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

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

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

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

LAB CHRONICLE

OrderID:	Q3213	**OrderDate:**	9/25/2025 2:33:00 PM
Client:	Tetra Tech NUS, Inc.	**Project:**	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	**Location:**	A12,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3213-01	**BP-VPB-184-TB-20250923**	**Water**			**09/19/25**			**09/25/25**
			VOC-TCLVOA-10	8260-Low			09/29/25	
Q3213-02	**VPB184-HYD-20250924**	**Water**			**09/24/25**			**09/25/25**
			VOC-TCLVOA-10	8260-Low			09/29/25	
Q3213-03	**BP-VPB-184-GW-340-342**	**Water**			**09/23/25**			**09/25/25**
			VOC-TCLVOA-10	8260-Low			09/29/25	
Q3213-04	**BP-VPB-184-GW-360-362**	**Water**			**09/23/25**			**09/25/25**
			VOC-TCLVOA-10	8260-Low			09/30/25	
Q3213-05	**BP-VPB-184-GW-380-382**	**Water**			**09/23/25**			**09/25/25**
			VOC-TCLVOA-10	8260-Low			09/29/25	
Q3213-07	**BP-VPB-184-GW-400-402**	**Water**			**09/24/25**			**09/25/25**
			VOC-TCLVOA-10	8260-Low			09/29/25	
Q3213-08	**BP-VPB-184-GW-420-422**	**Water**			**09/24/25**			**09/25/25**
			VOC-TCLVOA-10	8260-Low			09/29/25	
Q3213-09	**BP-VPB-184-GW-440-442**	**Water**			**09/24/25**			**09/25/25**
			VOC-TCLVOA-10	8260-Low			09/29/25	
Q3213-10	**BP-VPB-184-EB-20250923**	**Water**			**09/23/25**			**09/25/25**
			VOC-TCLVOA-10	8260-Low			09/30/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q3213

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**VPB184-HYD-20250924**								
Q3213-02	VPB184-HYD-2025	Water	Chloromethane	0.54	J	0.32	0.50	1.00	ug/L
Q3213-02	VPB184-HYD-2025	Water	Bromodichloromethane	0.32	J	0.22	0.50	1.00	ug/L
Q3213-02	VPB184-HYD-2025	Water	Dibromochloromethane	0.75	J	0.18	0.50	1.00	ug/L
Q3213-02	VPB184-HYD-2025	Water	Bromoform	0.53	J	0.19	0.50	1.00	ug/L
			Total Voc :	2.14					
			Total Concentration:	2.14					
Client ID:	**BP-VPB-184-GW-340-342**								
Q3213-03	BP-VPB-184-GW-3	Water	Chloromethane	0.49	J	0.32	0.50	1.00	ug/L
Q3213-03	BP-VPB-184-GW-3	Water	Acetone	7.10		1.50	3.80	5.00	ug/L
Q3213-03	BP-VPB-184-GW-3	Water	Carbon Disulfide	0.48	J	0.21	0.75	1.00	ug/L
			Total Voc :	8.07					
			Total Concentration:	8.07					
Client ID:	**BP-VPB-184-GW-360-362**								
Q3213-04	BP-VPB-184-GW-3	Water	Acetone	13.8		1.50	3.80	5.00	ug/L
Q3213-04	BP-VPB-184-GW-3	Water	2-Butanone	3.80	J	0.98	2.50	5.00	ug/L
			Total Voc :	17.6					
			Total Concentration:	17.6					
Client ID:	**BP-VPB-184-GW-380-382**								
Q3213-05	BP-VPB-184-GW-3	Water	Chloromethane	0.59	J	0.32	0.50	1.00	ug/L
Q3213-05	BP-VPB-184-GW-3	Water	Acetone	6.40		1.50	3.80	5.00	ug/L
Q3213-05	BP-VPB-184-GW-3	Water	Carbon Disulfide	0.24	J	0.21	0.75	1.00	ug/L
			Total Voc :	7.23					
			Total Concentration:	7.23					
Client ID:	**BP-VPB-184-GW-400-402**								
Q3213-07	BP-VPB-184-GW-4	Water	Acetone	4.30	J	1.50	3.80	5.00	ug/L
			Total Voc :	4.30					
			Total Concentration:	4.30					
Client ID:	**BP-VPB-184-GW-420-422**								
Q3213-08	BP-VPB-184-GW-4	Water	Chloromethane	0.63	J	0.32	0.50	1.00	ug/L
Q3213-08	BP-VPB-184-GW-4	Water	Acetone	14.8		1.50	3.80	5.00	ug/L
Q3213-08	BP-VPB-184-GW-4	Water	Methyl tert-butyl Ether	0.28	J	0.16	0.50	1.00	ug/L
Q3213-08	BP-VPB-184-GW-4	Water	2-Butanone	3.20	J	0.98	2.50	5.00	ug/L
			Total Voc :	18.9					
			Total Concentration:	18.9					
Client ID:	**BP-VPB-184-GW-440-442**								
Q3213-09	BP-VPB-184-GW-4	Water	Chloromethane	0.46	J	0.32	0.50	1.00	ug/L
Q3213-09	BP-VPB-184-GW-4	Water	Acetone	5.40		1.50	3.80	5.00	ug/L
			Total Voc :	5.86					
			Total Concentration:	5.86					

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

Hit Summary Sheet
SW-846

SDG No.: Q3213

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**BP-VPB-184-EB-20250923**								
Q3213-10	BP-VPB-184-EB-2(	Water	Acetone	64.3		1.50	3.80	5.00	ug/L
Q3213-10	BP-VPB-184-EB-2(	Water	Carbon Disulfide	1.30		0.21	0.75	1.00	ug/L
Q3213-10	BP-VPB-184-EB-2(	Water	2-Butanone	8.50		0.98	2.50	5.00	ug/L
			Total Voc :	74.1					
			Total Concentration:	74.1					



QC SUMMARY

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

Surrogate Summary

SDG No.: Q3213

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
Q3213-01	BP-VPB-184-TB-20250923	1,2-Dichloroethane-d4	50	55.1	110		81	118
		Dibromofluoromethane	50	50.8	102		80	119
		Toluene-d8	50	49.0	98		89	112
		4-Bromofluorobenzene	50	56.2	112		85	114
Q3213-02	VPB184-HYD-20250924	1,2-Dichloroethane-d4	50	54.5	109		81	118
		Dibromofluoromethane	50	49.9	100		80	119
		Toluene-d8	50	48.6	97		89	112
		4-Bromofluorobenzene	50	55.9	112		85	114
Q3213-03	BP-VPB-184-GW-340-342	1,2-Dichloroethane-d4	50	50.1	100		81	118
		Dibromofluoromethane	50	47.6	95		80	119
		Toluene-d8	50	47.9	96		89	112
		4-Bromofluorobenzene	50	51.5	103		85	114
Q3213-04	BP-VPB-184-GW-360-362	1,2-Dichloroethane-d4	50	46.9	94		81	118
		Dibromofluoromethane	50	47.4	95		80	119
		Toluene-d8	50	47.3	95		89	112
		4-Bromofluorobenzene	50	51.5	103		85	114
Q3213-05	BP-VPB-184-GW-380-382	1,2-Dichloroethane-d4	50	57.1	114		81	118
		Dibromofluoromethane	50	50.5	101		80	119
		Toluene-d8	50	48.5	97		89	112
		4-Bromofluorobenzene	50	56.4	113		85	114
Q3213-07	BP-VPB-184-GW-400-402	1,2-Dichloroethane-d4	50	53.0	106		81	118
		Dibromofluoromethane	50	51.0	102		80	119
		Toluene-d8	50	49.7	99		89	112
		4-Bromofluorobenzene	50	54.9	110		85	114
Q3213-08	BP-VPB-184-GW-420-422	1,2-Dichloroethane-d4	50	51.5	103		81	118
		Dibromofluoromethane	50	49.3	99		80	119
		Toluene-d8	50	48.6	97		89	112
		4-Bromofluorobenzene	50	55.5	111		85	114
Q3213-09	BP-VPB-184-GW-440-442	1,2-Dichloroethane-d4	50	52.3	105		81	118
		Dibromofluoromethane	50	49.9	100		80	119
		Toluene-d8	50	47.8	96		89	112
		4-Bromofluorobenzene	50	53.6	107		85	114
Q3213-10	BP-VPB-184-EB-20250923	1,2-Dichloroethane-d4	50	48.3	97		81	118
		Dibromofluoromethane	50	47.6	95		80	119
		Toluene-d8	50	47.6	95		89	112
		4-Bromofluorobenzene	50	52.1	104		85	114
VX0929WBL01	VX0929WBL01	1,2-Dichloroethane-d4	50	49.3	99		81	118
		Dibromofluoromethane	50	48.8	98		80	119
		Toluene-d8	50	48.5	97		89	112
		4-Bromofluorobenzene	50	53.1	106		85	114
VX0929WBS01	VX0929WBS01	1,2-Dichloroethane-d4	50	48.8	98		81	118
		Dibromofluoromethane	50	52.9	106		80	119
		Toluene-d8	50	52.3	105		89	112
		4-Bromofluorobenzene	50	52.9	106		85	114
VX0929WBSD0	VX0929WBSD01	1,2-Dichloroethane-d4	50	51.7	103		81	118
		Dibromofluoromethane	50	54.3	109		80	119
		Toluene-d8	50	53.0	106		89	112
		4-Bromofluorobenzene	50	54.0	108		85	114
VX0930WBL01	VX0930WBL01	1,2-Dichloroethane-d4	50	52.7	105		81	118
		Dibromofluoromethane	50	50.4	101		80	119

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

Surrogate Summary

SDG No.: Q3213

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
VX0930WBL01	VX0930WBL01	Toluene-d8	50	48.8	98		89	112
		4-Bromofluorobenzene	50	56.0	112		85	114
VX0930WBS01	VX0930WBS01	1,2-Dichloroethane-d4	50	50.0	100		81	118
		Dibromofluoromethane	50	52.1	104		80	119
		Toluene-d8	50	51.0	102		89	112
		4-Bromofluorobenzene	50	51.6	103		85	114

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3213**	**Analytical Method:**	**SW8260-Low**
Client:	**Tetra Tech NUS, Inc.**	**Datafile :**	VX047871.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0929WBS01	Dichlorodifluoromethane	20	22.3	ug/L	112			32	152	
	Chloromethane	20	18.8	ug/L	94			50	139	
	Vinyl chloride	20	20.3	ug/L	102			58	137	
	Bromomethane	20	22.0	ug/L	110			53	141	
	Chloroethane	20	19.7	ug/L	99			60	138	
	Trichlorofluoromethane	20	20.4	ug/L	102			65	141	
	1,1,2-Trichlorotrifluoroethane	20	21.2	ug/L	106			70	136	
	1,1-Dichloroethene	20	19.9	ug/L	100			71	131	
	Acetone	100	99.4	ug/L	99			39	160	
	Carbon disulfide	20	19.5	ug/L	98			64	133	
	Methyl tert-butyl Ether	20	19.3	ug/L	97			71	124	
	Methyl Acetate	20	21.4	ug/L	107			56	136	
	Methylene Chloride	20	19.5	ug/L	98			74	124	
	trans-1,2-Dichloroethene	20	20.1	ug/L	101			75	124	
	1,1-Dichloroethane	20	19.9	ug/L	100			77	125	
	Cyclohexane	20	19.5	ug/L	98			71	130	
	2-Butanone	100	100	ug/L	100			56	143	
	Carbon Tetrachloride	20	20.6	ug/L	103			72	136	
	cis-1,2-Dichloroethene	20	19.7	ug/L	99			78	123	
	Bromochloromethane	20	18.3	ug/L	92			78	123	
	Chloroform	20	20.5	ug/L	103			79	124	
	1,1,1-Trichloroethane	20	20.3	ug/L	102			74	131	
	Methylcyclohexane	20	20.2	ug/L	101			72	132	
	Benzene	20	20.4	ug/L	102			79	120	
	1,2-Dichloroethane	20	19.8	ug/L	99			73	128	
	Trichloroethene	20	20.6	ug/L	103			79	123	
	1,2-Dichloropropane	20	20.8	ug/L	104			78	122	
	Bromodichloromethane	20	20.6	ug/L	103			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	20.8	ug/L	104			80	121	
	t-1,3-Dichloropropene	20	19.8	ug/L	99			73	127	
	cis-1,3-Dichloropropene	20	20.0	ug/L	100			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	21.6	ug/L	108			74	126	
	1,2-Dibromoethane	20	21.6	ug/L	108			77	121	
	Tetrachloroethene	20	21.0	ug/L	105			74	129	
	Chlorobenzene	20	20.2	ug/L	101			82	118	
	Ethyl Benzene	20	19.6	ug/L	98			79	121	
	m/p-Xylenes	40	41.0	ug/L	103			80	121	
	o-Xylene	20	20.2	ug/L	101			78	122	
	Styrene	20	20.0	ug/L	100			78	123	
	Bromoform	20	21.7	ug/L	109			66	130	
	Isopropylbenzene	20	19.2	ug/L	96			72	131	
	1,1,2,2-Tetrachloroethane	20	20.6	ug/L	103			71	121	
	1,3-Dichlorobenzene	20	19.8	ug/L	99			80	119	
	1,4-Dichlorobenzene	20	19.4	ug/L	97			79	118	
	1,2-Dichlorobenzene	20	19.8	ug/L	99			80	119	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3213**	**Analytical Method:**	**SW8260-Low**
Client:	**Tetra Tech NUS, Inc.**	**Datafile :**	VX047871.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0929WBS01	1,2-Dibromo-3-Chloropropane	20	19.8	ug/L	99			62	128	
	1,2,4-Trichlorobenzene	20	18.6	ug/L	93			69	130	
	1,2,3-Trichlorobenzene	20	19.3	ug/L	97			69	129	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3213**	**Analytical Method:**	**SW8260-Low**
Client:	**Tetra Tech NUS, Inc.**	**Datafile :**	VX047873.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0929WBSD01	Dichlorodifluoromethane	20	20.7	ug/L	104	7		32	152	20
	Chloromethane	20	18.0	ug/L	90	4		50	139	20
	Vinyl chloride	20	19.6	ug/L	98	4		58	137	20
	Bromomethane	20	21.2	ug/L	106	4		53	141	20
	Chloroethane	20	18.9	ug/L	95	4		60	138	20
	Trichlorofluoromethane	20	19.6	ug/L	98	4		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	19.9	ug/L	100	6		70	136	20
	1,1-Dichloroethene	20	19.3	ug/L	97	3		71	131	20
	Acetone	100	92.5	ug/L	93	6		39	160	20
	Carbon disulfide	20	18.5	ug/L	93	5		64	133	20
	Methyl tert-butyl Ether	20	19.7	ug/L	99	2		71	124	20
	Methyl Acetate	20	23.5	ug/L	117	9		56	136	20
	Methylene Chloride	20	19.6	ug/L	98	0		74	124	20
	trans-1,2-Dichloroethene	20	19.4	ug/L	97	4		75	124	20
	1,1-Dichloroethane	20	19.3	ug/L	97	3		77	125	20
	Cyclohexane	20	18.4	ug/L	92	6		71	130	20
	2-Butanone	100	110	ug/L	110	10		56	143	20
	Carbon Tetrachloride	20	19.1	ug/L	96	7		72	136	20
	cis-1,2-Dichloroethene	20	19.4	ug/L	97	2		78	123	20
	Bromochloromethane	20	18.7	ug/L	94	2		78	123	20
	Chloroform	20	20.0	ug/L	100	3		79	124	20
	1,1,1-Trichloroethane	20	19.6	ug/L	98	4		74	131	20
	Methylcyclohexane	20	18.7	ug/L	94	7		72	132	20
	Benzene	20	19.6	ug/L	98	4		79	120	20
	1,2-Dichloroethane	20	19.4	ug/L	97	2		73	128	20
	Trichloroethene	20	19.7	ug/L	99	4		79	123	20
	1,2-Dichloropropane	20	19.8	ug/L	99	5		78	122	20
	Bromodichloromethane	20	19.7	ug/L	99	4		79	125	20
	4-Methyl-2-Pentanone	100	120	ug/L	120	9		67	130	20
	Toluene	20	19.7	ug/L	99	5		80	121	20
	t-1,3-Dichloropropene	20	19.2	ug/L	96	3		73	127	20
	cis-1,3-Dichloropropene	20	19.5	ug/L	98	2		75	124	20
	1,1,2-Trichloroethane	20	21.0	ug/L	105	2		80	119	20
	2-Hexanone	100	110	ug/L	110	0		57	139	20
	Dibromochloromethane	20	21.0	ug/L	105	3		74	126	20
	1,2-Dibromoethane	20	21.6	ug/L	108	0		77	121	20
	Tetrachloroethene	20	19.7	ug/L	99	6		74	129	20
	Chlorobenzene	20	19.0	ug/L	95	6		82	118	20
	Ethyl Benzene	20	18.7	ug/L	94	4		79	121	20
	m/p-Xylenes	40	38.1	ug/L	95	8		80	121	20
	o-Xylene	20	18.8	ug/L	94	7		78	122	20
	Styrene	20	19.0	ug/L	95	5		78	123	20
	Bromoform	20	20.5	ug/L	103	6		66	130	20
	Isopropylbenzene	20	18.3	ug/L	92	4		72	131	20
	1,1,2,2-Tetrachloroethane	20	20.6	ug/L	103	0		71	121	20
	1,3-Dichlorobenzene	20	18.9	ug/L	95	4		80	119	20
	1,4-Dichlorobenzene	20	18.6	ug/L	93	4		79	118	20
	1,2-Dichlorobenzene	20	18.9	ug/L	95	4		80	119	20

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3213**	**Analytical Method:**	**SW8260-Low**
Client:	**Tetra Tech NUS, Inc.**	**Datafile :**	VX047873.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0929WBSD01	1,2-Dibromo-3-Chloropropane	20	19.9	ug/L	100	1		62	128	20
	1,2,4-Trichlorobenzene	20	17.6	ug/L	88	6		69	130	20
	1,2,3-Trichlorobenzene	20	18.3	ug/L	92	5		69	129	20

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3213**	**Analytical Method:**	**SW8260-Low**
Client:	**Tetra Tech NUS, Inc.**	**Datafile :**	VX047899.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0930WBS01	Dichlorodifluoromethane	20	21.4	ug/L	107			32	152	
	Chloromethane	20	19.4	ug/L	97			50	139	
	Vinyl chloride	20	20.6	ug/L	103			58	137	
	Bromomethane	20	21.0	ug/L	105			53	141	
	Chloroethane	20	21.1	ug/L	106			60	138	
	Trichlorofluoromethane	20	21.0	ug/L	105			65	141	
	1,1,2-Trichlorotrifluoroethane	20	20.9	ug/L	104			70	136	
	1,1-Dichloroethene	20	20.3	ug/L	102			71	131	
	Acetone	100	110	ug/L	110			39	160	
	Carbon disulfide	20	19.3	ug/L	97			64	133	
	Methyl tert-butyl Ether	20	20.7	ug/L	104			71	124	
	Methyl Acetate	20	22.9	ug/L	115			56	136	
	Methylene Chloride	20	21.6	ug/L	108			74	124	
	trans-1,2-Dichloroethene	20	20.5	ug/L	103			75	124	
	1,1-Dichloroethane	20	21.1	ug/L	106			77	125	
	Cyclohexane	20	19.0	ug/L	95			71	130	
	2-Butanone	100	110	ug/L	110			56	143	
	Carbon Tetrachloride	20	19.8	ug/L	99			72	136	
	cis-1,2-Dichloroethene	20	20.8	ug/L	104			78	123	
	Bromochloromethane	20	22.8	ug/L	114			78	123	
	Chloroform	20	22.0	ug/L	110			79	124	
	1,1,1-Trichloroethane	20	20.8	ug/L	104			74	131	
	Methylcyclohexane	20	18.5	ug/L	93			72	132	
	Benzene	20	20.9	ug/L	104			79	120	
	1,2-Dichloroethane	20	20.8	ug/L	104			73	128	
	Trichloroethene	20	20.5	ug/L	103			79	123	
	1,2-Dichloropropane	20	21.3	ug/L	106			78	122	
	Bromodichloromethane	20	21.5	ug/L	108			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	20.9	ug/L	104			80	121	
	t-1,3-Dichloropropene	20	20.6	ug/L	103			73	127	
	cis-1,3-Dichloropropene	20	21.0	ug/L	105			75	124	
	1,1,2-Trichloroethane	20	21.9	ug/L	110			80	119	
	2-Hexanone	100	110	ug/L	110			57	139	
	Dibromochloromethane	20	22.2	ug/L	111			74	126	
	1,2-Dibromoethane	20	22.8	ug/L	114			77	121	
	Tetrachloroethene	20	19.6	ug/L	98			74	129	
	Chlorobenzene	20	20.5	ug/L	103			82	118	
	Ethyl Benzene	20	19.8	ug/L	99			79	121	
	m/p-Xylenes	40	40.6	ug/L	102			80	121	
	o-Xylene	20	20.2	ug/L	101			78	122	
	Styrene	20	20.5	ug/L	103			78	123	
	Bromoform	20	21.7	ug/L	109			66	130	
	Isopropylbenzene	20	19.0	ug/L	95			72	131	
	1,1,2,2-Tetrachloroethane	20	21.3	ug/L	106			71	121	
	1,3-Dichlorobenzene	20	19.7	ug/L	99			80	119	
	1,4-Dichlorobenzene	20	19.9	ug/L	100			79	118	
	1,2-Dichlorobenzene	20	19.9	ug/L	100			80	119	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3213 **Analytical Method:** SW8260-Low

Client: Tetra Tech NUS, Inc. **Datafile :** VX047899.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0930WBS01	1,2-Dibromo-3-Chloropropane	20	18.7	ug/L	94			62	128	
	1,2,4-Trichlorobenzene	20	19.1	ug/L	96			69	130	
	1,2,3-Trichlorobenzene	20	19.2	ug/L	96			69	129	

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

VOLATILE METHOD BLANK SUMMARY

Client ID: VX0929WBL01

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q3213

Lab File ID: VX047870.D Lab Sample ID: VX0929WBL01

Date Analyzed: 09/29/2025 Time Analyzed: 09:48

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

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0929WBS01	VX0929WBS01	VX047871.D	09/29/2025
VX0929WBSD01	VX0929WBSD01	VX047873.D	09/29/2025
VPB184-HYD-20250924	Q3213-02	VX047884.D	09/29/2025
BP-VPB-184-TB-20250923	Q3213-01	VX047885.D	09/29/2025
BP-VPB-184-GW-340-342	Q3213-03	VX047886.D	09/29/2025
BP-VPB-184-GW-380-382	Q3213-05	VX047888.D	09/29/2025
BP-VPB-184-GW-400-402	Q3213-07	VX047889.D	09/29/2025
BP-VPB-184-GW-420-422	Q3213-08	VX047890.D	09/29/2025
BP-VPB-184-GW-440-442	Q3213-09	VX047891.D	09/29/2025

COMMENTS:

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

VOLATILE METHOD BLANK SUMMARY

Client ID: VX0930WBL01

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q3213

Lab File ID: VX047898.D Lab Sample ID: VX0930WBL01

Date Analyzed: 09/30/2025 Time Analyzed: 10:09

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

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0930WBS01	VX0930WBS01	VX047899.D	09/30/2025
BP-VPB-184-GW-360-362	Q3213-04	VX047900.D	09/30/2025
BP-VPB-184-EB-20250923	Q3213-10	VX047902.D	09/30/2025

COMMENTS:

Raw Data: **VX047584.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG NO.: Q3213

Lab File ID: VX047584.D | BFB Injection Date: 09/16/2025

Instrument ID: MSVOA_X | BFB Injection Time: 08:56

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20
75	30.0 - 60.0% of mass 95	54
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	67.3
175	5.0 - 9.0% of mass 174	5.4 (8.1) 1
176	95.0 - 101.0% of mass 174	66.3 (98.6) 1
177	5.0 - 9.0% of mass 176	4.3 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VX047585.D	09/16/2025	09:23
VSTDICC005	VSTDICC005	VX047586.D	09/16/2025	10:16
VSTDICC020	VSTDICC020	VX047587.D	09/16/2025	10:37
VSTDICCC050	VSTDICCC050	VX047588.D	09/16/2025	10:58
VSTDICC100	VSTDICC100	VX047589.D	09/16/2025	11:40
VSTDICC150	VSTDICC150	VX047590.D	09/16/2025	12:01

Raw Data: **VX047867.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG NO.: Q3213

Lab File ID: VX047867.D | BFB Injection Date: 09/29/2025

Instrument ID: MSVOA_X | BFB Injection Time: 08:29

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.6
75	30.0 - 60.0% of mass 95	52.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	69.7
175	5.0 - 9.0% of mass 174	5.3 (7.6) 1
176	95.0 - 101.0% of mass 174	67.3 (96.5) 1
177	5.0 - 9.0% of mass 176	4.6 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX047868.D	09/29/2025	08:59
VX0929WBL01	VX0929WBL01	VX047870.D	09/29/2025	09:48
VX0929WBS01	VX0929WBS01	VX047871.D	09/29/2025	10:44
VX0929WBSD01	VX0929WBSD01	VX047873.D	09/29/2025	11:26
VPB184-HYD-20250924	Q3213-02	VX047884.D	09/29/2025	15:20
BP-VPB-184-TB-20250923	Q3213-01	VX047885.D	09/29/2025	15:41
BP-VPB-184-GW-340-342	Q3213-03	VX047886.D	09/29/2025	16:02
BP-VPB-184-GW-380-382	Q3213-05	VX047888.D	09/29/2025	16:44
BP-VPB-184-GW-400-402	Q3213-07	VX047889.D	09/29/2025	17:05
BP-VPB-184-GW-420-422	Q3213-08	VX047890.D	09/29/2025	17:26
BP-VPB-184-GW-440-442	Q3213-09	VX047891.D	09/29/2025	17:46
VSTDCCC050EC	VSTDCCC050	VX047894.D	09/29/2025	18:49

Raw Data: **VX047895.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: TETR06
Lab Code: ACE
SDG NO.: Q3213
Lab File ID: VX047895.D
BFB Injection Date: 09/30/2025
Instrument ID: MSVOA_X
BFB Injection Time: 08:49
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.2
75	30.0 - 60.0% of mass 95	52.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.5 (0.8) 1
174	50.0 - 100.0% of mass 95	68
175	5.0 - 9.0% of mass 174	5.3 (7.7) 1
176	95.0 - 101.0% of mass 174	67.8 (99.7) 1
177	5.0 - 9.0% of mass 176	4 (5.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX047896.D	09/30/2025	09:20
VX0930WBL01	VX0930WBL01	VX047898.D	09/30/2025	10:09
VX0930WBS01	VX0930WBS01	VX047899.D	09/30/2025	11:06
BP-VPB-184-GW-360-362	Q3213-04	VX047900.D	09/30/2025	11:27
BP-VPB-184-EB-20250923	Q3213-10	VX047902.D	09/30/2025	12:09
VSTDCCC050EC	VSTDCCC050	VX047923.D	09/30/2025	19:30

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q3213

Lab File ID: VX047868.D Date Analyzed: 09/29/2025

Instrument ID: MSVOA_X Time Analyzed: 08:59

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	185893	5.53	309770	6.74	268975	10.04
UPPER LIMIT	371786	6.031	619540	7.238	537950	10.537
LOWER LIMIT	92946.5	5.031	154885	6.238	134488	9.537
EPA SAMPLE NO.						
BP-VPB-184-TB-20250923	141653	5.54	299169	6.75	307943	10.04
VPB184-HYD-20250924	137990	5.54	287753	6.75	302814	10.04
BP-VPB-184-GW-340-342	121262	5.54	250493	6.75	252342	10.04
BP-VPB-184-GW-380-382	133701	5.54	285495	6.75	296119	10.04
BP-VPB-184-GW-400-402	187752	5.54	393964	6.75	400100	10.04
BP-VPB-184-GW-420-422	128773	5.54	265004	6.75	273028	10.04
BP-VPB-184-GW-440-442	126934	5.55	264916	6.75	273054	10.04
VX0929WBL01	151039	5.54	304108	6.75	305847	10.04
VX0929WBS01	165805	5.54	286774	6.75	261167	10.04
VX0929WBSD01	159091	5.54	281426	6.75	258238	10.04

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

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q3213

Lab File ID: VX047868.D Date Analyzed: 09/29/2025

Instrument ID: MSVOA_X Time Analyzed: 08:59

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

	IS4 AREA #	RT #				
12 HOUR STD	131495	12.006				
UPPER LIMIT	262990	12.506				
LOWER LIMIT	65747.5	11.506				
EPA SAMPLE NO.						
BP-VPB-184-TB-20250923	161425	12.01				
VPB184-HYD-20250924	155121	12.01				
BP-VPB-184-GW-340-342	126414	12.01				
BP-VPB-184-GW-380-382	153022	12.01				
BP-VPB-184-GW-400-402	194810	12.01				
BP-VPB-184-GW-420-422	140306	12.01				
BP-VPB-184-GW-440-442	137102	12.01				
VX0929WBL01	151711	12.01				
VX0929WBS01	131097	12.01				
VX0929WBSD01	129173	12.01				

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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q3213

Lab File ID: VX047896.D Date Analyzed: 09/30/2025

Instrument ID: MSVOA_X Time Analyzed: 09:20

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	159265	5.53	274684	6.74	247069	10.04
UPPER LIMIT	318530	6.031	549368	7.239	494138	10.537
LOWER LIMIT	79632.5	5.031	137342	6.239	123535	9.537
EPA SAMPLE NO.						
BP-VPB-184-GW-360-362	131080	5.54	265322	6.75	269226	10.04
BP-VPB-184-EB-20250923	127478	5.54	257240	6.75	260569	10.04
VX0930WBL01	126165	5.54	254131	6.75	265110	10.04
VX0930WBS01	139945	5.54	252162	6.74	231700	10.04

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

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q3213

Lab File ID: VX047896.D Date Analyzed: 09/30/2025

Instrument ID: MSVOA_X Time Analyzed: 09:20

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

	IS4 AREA #	RT #				
12 HOUR STD	121307	12.006				
UPPER LIMIT	242614	12.506				
LOWER LIMIT	60653.5	11.506				
EPA SAMPLE NO.						
BP-VPB-184-GW-360-362	129059	12.01				
BP-VPB-184-EB-20250923	127484	12.01				
VX0930WBL01	133087	12.01				
VX0930WBS01	116962	12.01				

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: **VX047885.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/19/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-TB-20250923	SDG No.:	Q3213
Lab Sample ID:	Q3213-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047885.D	1	09/29/25 15:41	VX092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/19/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-TB-20250923	SDG No.:	Q3213
Lab Sample ID:	Q3213-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047885.D	1	09/29/25 15:41	VX092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.1		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	49.0		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.2		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	142000	5.543				
540-36-3	1,4-Difluorobenzene	299000	6.75				
3114-55-4	Chlorobenzene-d5	308000	10.036				
3855-82-1	1,4-Dichlorobenzene-d4	161000	12.006				
TENTATIVE IDENTIFIED COMPOUNDS							

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/19/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-TB-20250923	SDG No.:	Q3213
Lab Sample ID:	Q3213-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047885.D	1	09/29/25 15:41	VX092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
75-43-4	Dichlorofluoromethane	N.D					

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047885.D
Acq On : 29 Sep 2025 15:41
Operator : JC/MD
Sample : Q3213-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250923

Quant Time: Sep 30 01:22:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

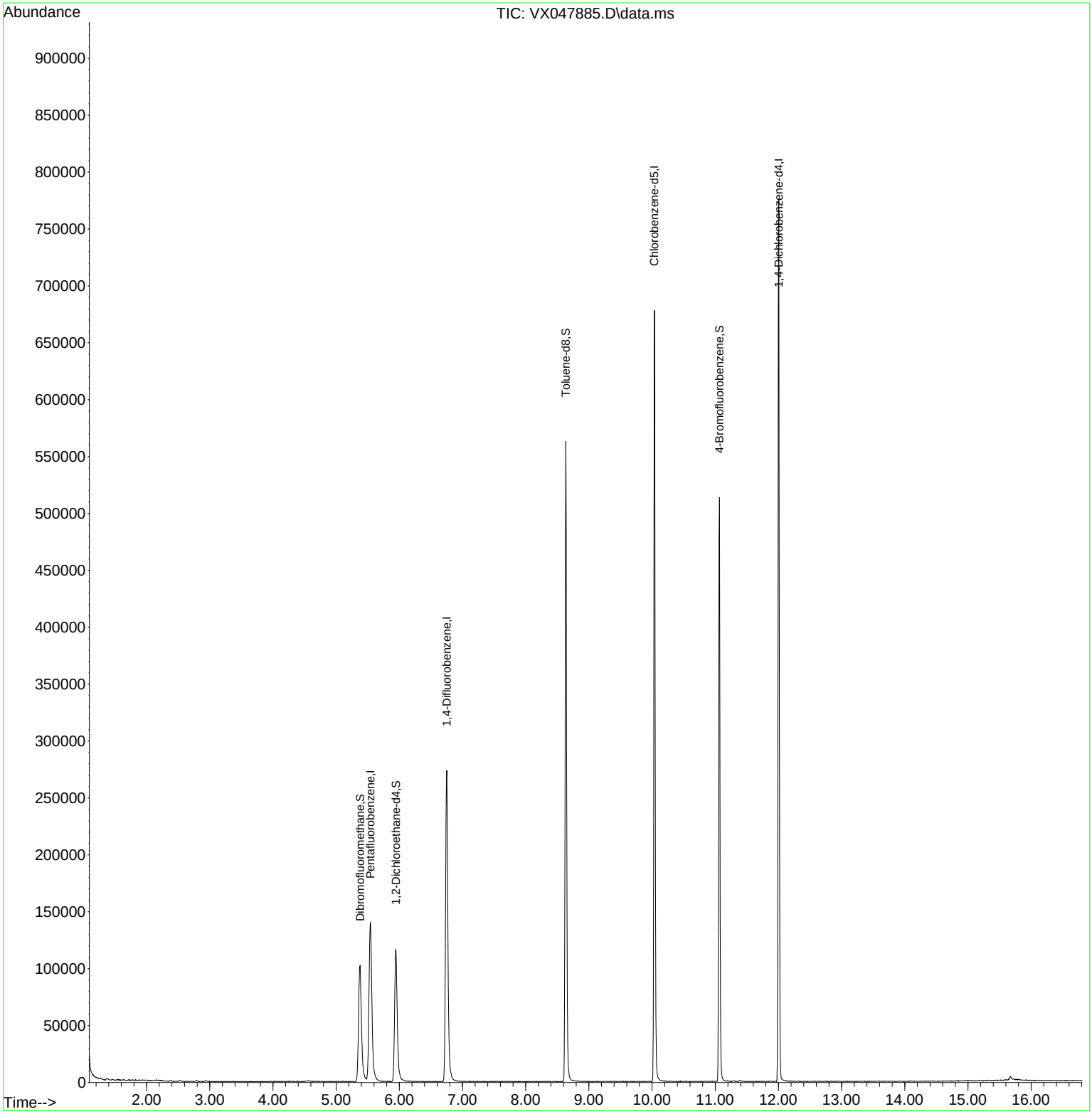
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	141653	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	299169	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	307943	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	161425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	124215	55.090	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.180%			
35) Dibromofluoromethane	5.379	113	101921	50.798	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.600%			
50) Toluene-d8	8.634	98	340143	48.994	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.980%			
62) 4-Bromofluorobenzene	11.067	95	148173	56.237	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.480%			
Target Compounds						Qvalue

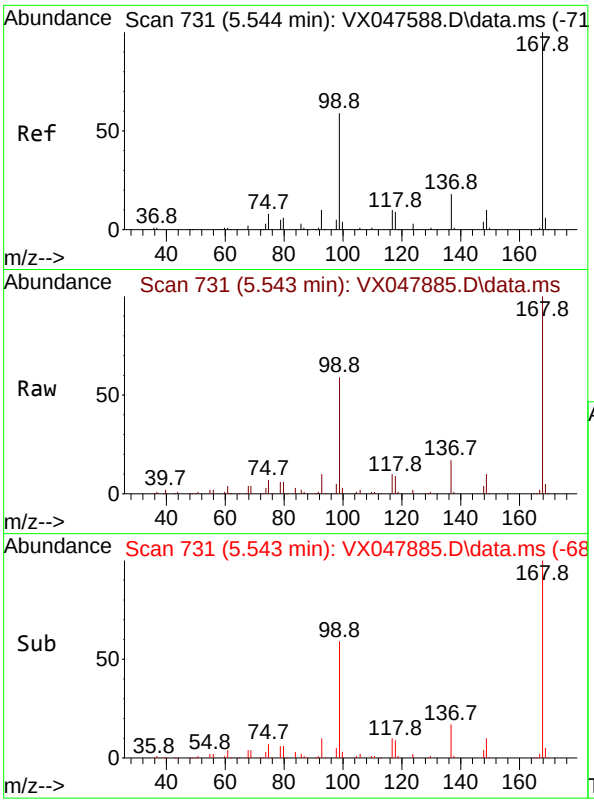
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047885.D
Acq On : 29 Sep 2025 15:41
Operator : JC/MD
Sample : Q3213-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250923

Quant Time: Sep 30 01:22:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



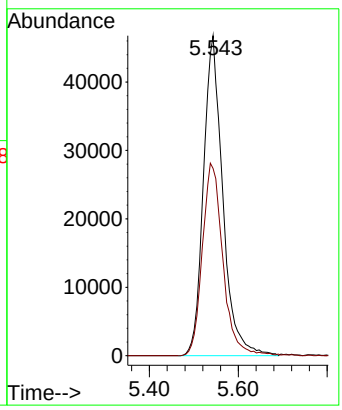


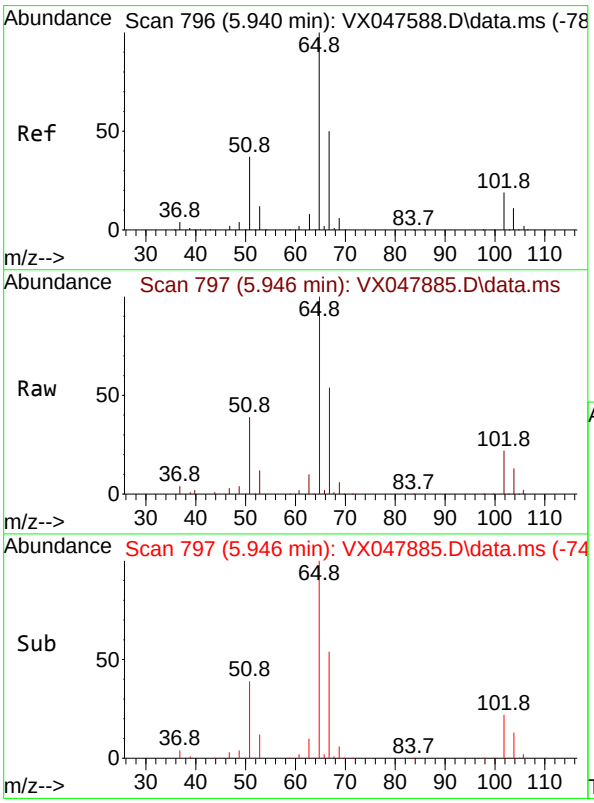
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.001 min
Lab File: VX047885.D
Acq: 29 Sep 2025 15:41

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250923

Tgt Ion:168 Resp: 141653

Ion	Ratio	Lower	Upper
168	100		
99	58.5	48.8	73.2

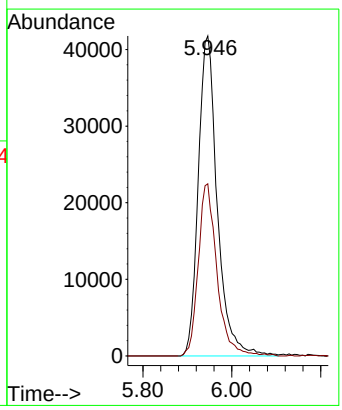


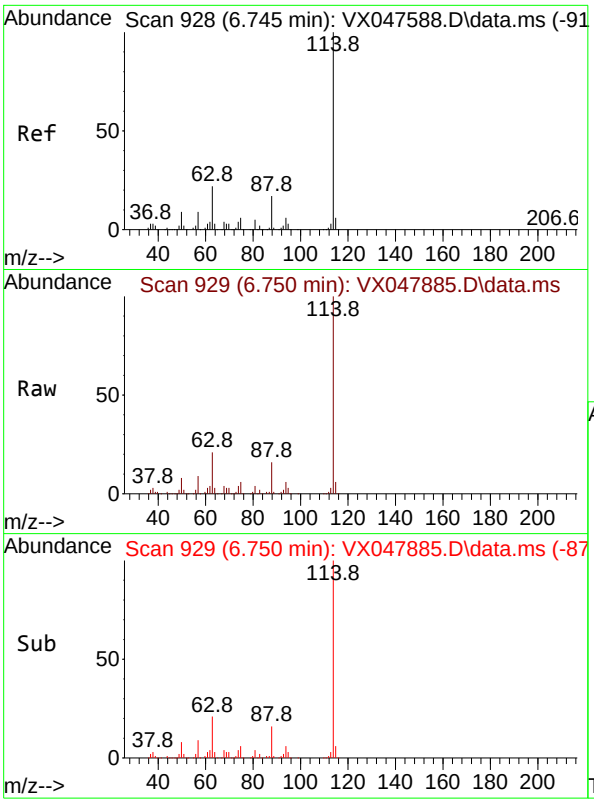


#33
1,2-Dichloroethane-d4
Concen: 55.090 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047885.D
Acq: 29 Sep 2025 15:41

Tgt Ion: 65 Resp: 124215

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	103.0



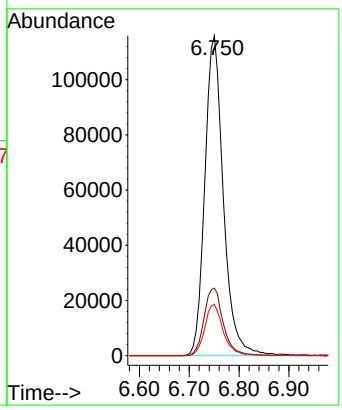


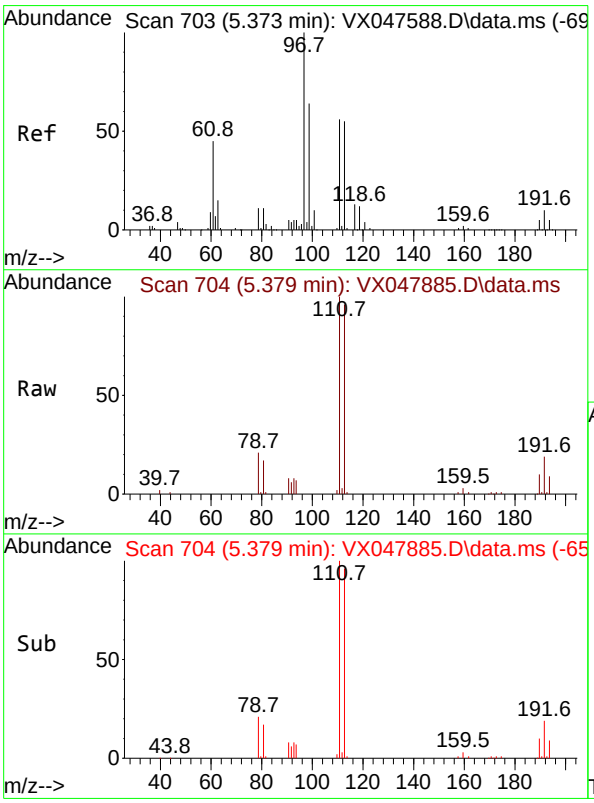
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.750 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047885.D
Acq: 29 Sep 2025 15:41

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250923

Tgt Ion:114 Resp: 299169

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	44.0
88	16.1	0.0	34.2

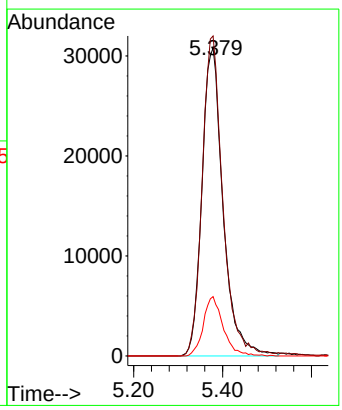


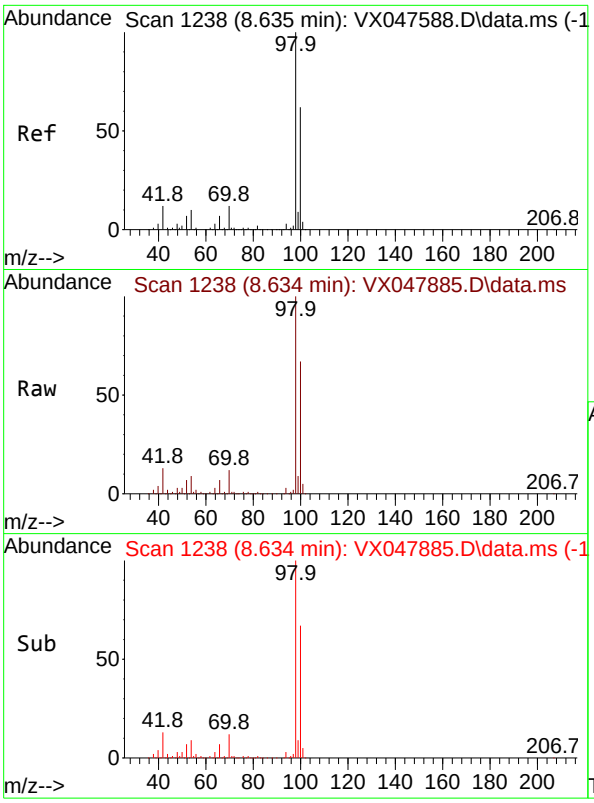


#35
Dibromofluoromethane
Concen: 50.798 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047885.D
Acq: 29 Sep 2025 15:41

Tgt Ion:113 Resp: 101921

Ion	Ratio	Lower	Upper
113	100		
111	101.4	80.9	121.3
192	18.1	14.2	21.4



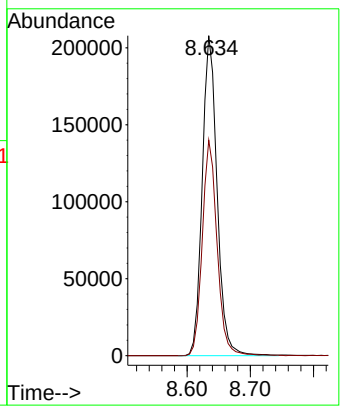


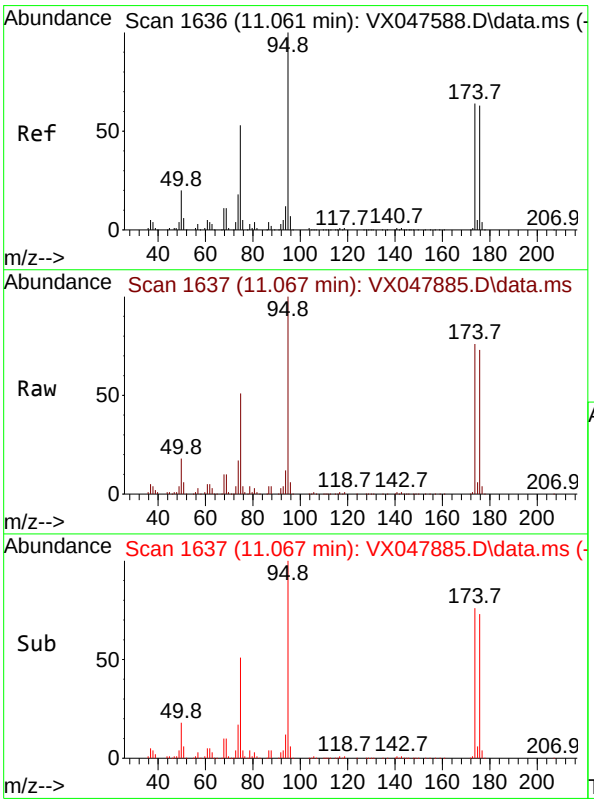
#50
Toluene-d8
Concen: 48.994 ug/l
RT: 8.634 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047885.D
Acq: 29 Sep 2025 15:41

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250923

Tgt Ion: 98 Resp: 340143

Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.0	79.4

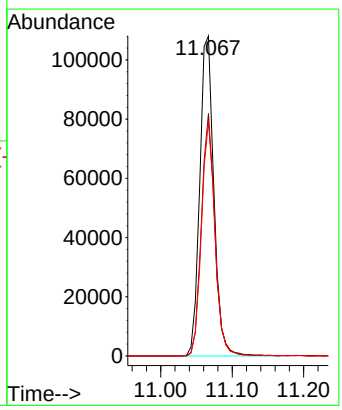


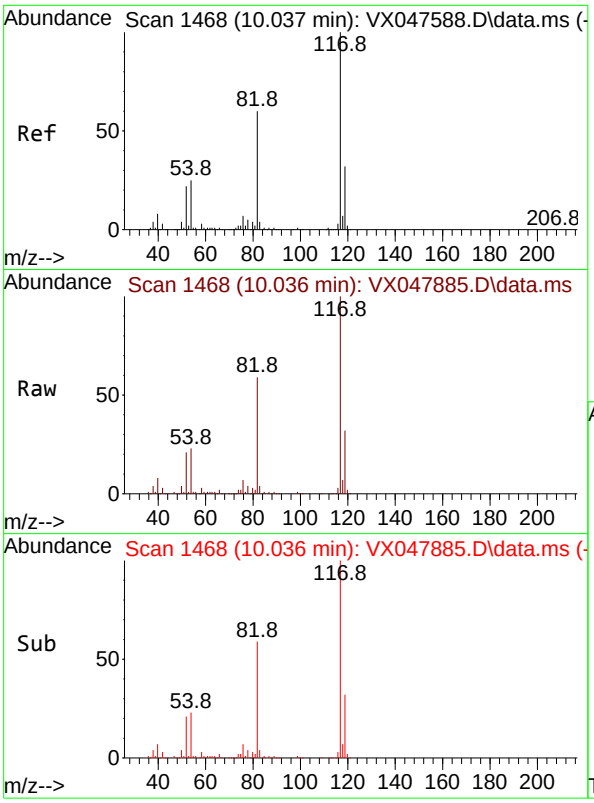


#62
4-Bromofluorobenzene
Concen: 56.237 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047885.D
Acq: 29 Sep 2025 15:41

Tgt Ion: 95 Resp: 148173

Ion	Ratio	Lower	Upper
95	100		
174	72.4	0.0	141.6
176	70.1	0.0	138.4



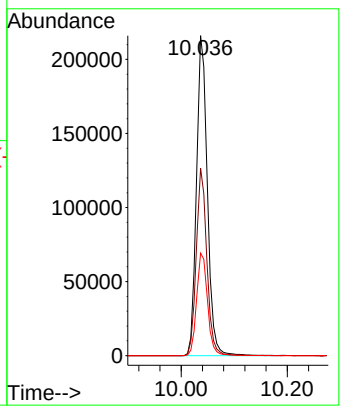


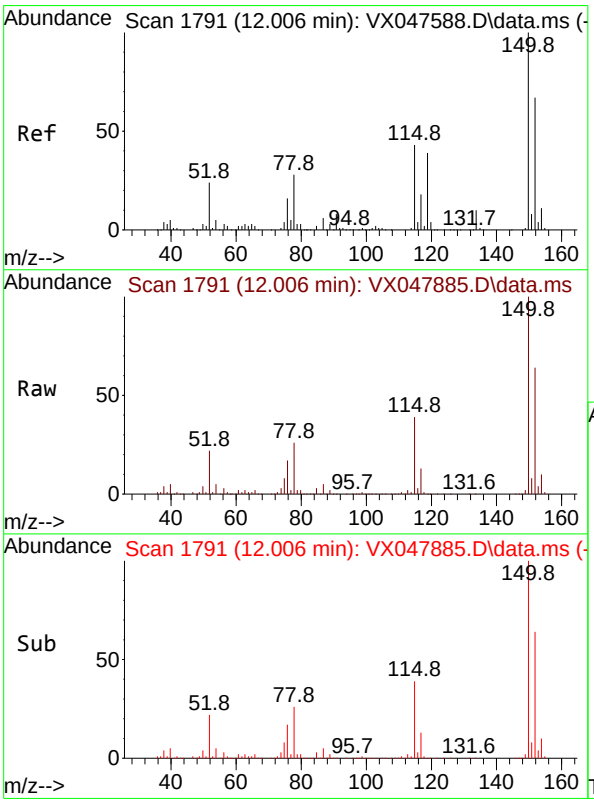
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.036 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047885.D
Acq: 29 Sep 2025 15:41

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250923

Tgt Ion:117 Resp: 307943

Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.8	71.6
119	32.1	25.2	37.8

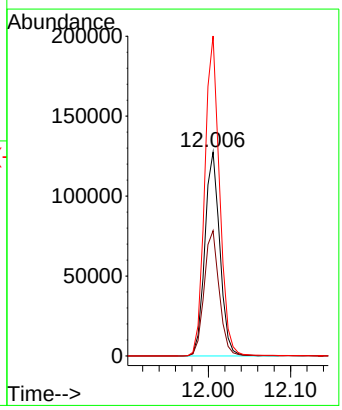




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047885.D
Acq: 29 Sep 2025 15:41

Tgt Ion:152 Resp: 161425

Ion	Ratio	Lower	Upper
152	100		
115	61.8	44.9	134.5
150	155.5	0.0	352.0



Sample Results: **VX047885.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047885.D
Acq On : 29 Sep 2025 15:41
Operator : JC/MD
Sample : Q3213-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250923

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Title : SW846 8260

Signal : TIC: VX047885.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.379	692	704	721	rBV2	101972	331939	33.32%	6.144%
2	5.543	721	731	750	rVB2	138101	433514	43.52%	8.025%
3	5.946	786	797	821	rBV	116590	340941	34.22%	6.311%
4	6.750	919	929	951	rBV	273494	714085	71.68%	13.218%
5	8.634	1231	1238	1254	rBV	562447	920745	92.42%	17.043%
6	10.036	1462	1468	1488	rBV	677664	964246	96.79%	17.849%
7	11.067	1631	1637	1652	rBV	513235	700664	70.33%	12.970%
8	12.006	1785	1791	1800	rBV	775652	996216	100.00%	18.440%

Sum of corrected areas: 5402350

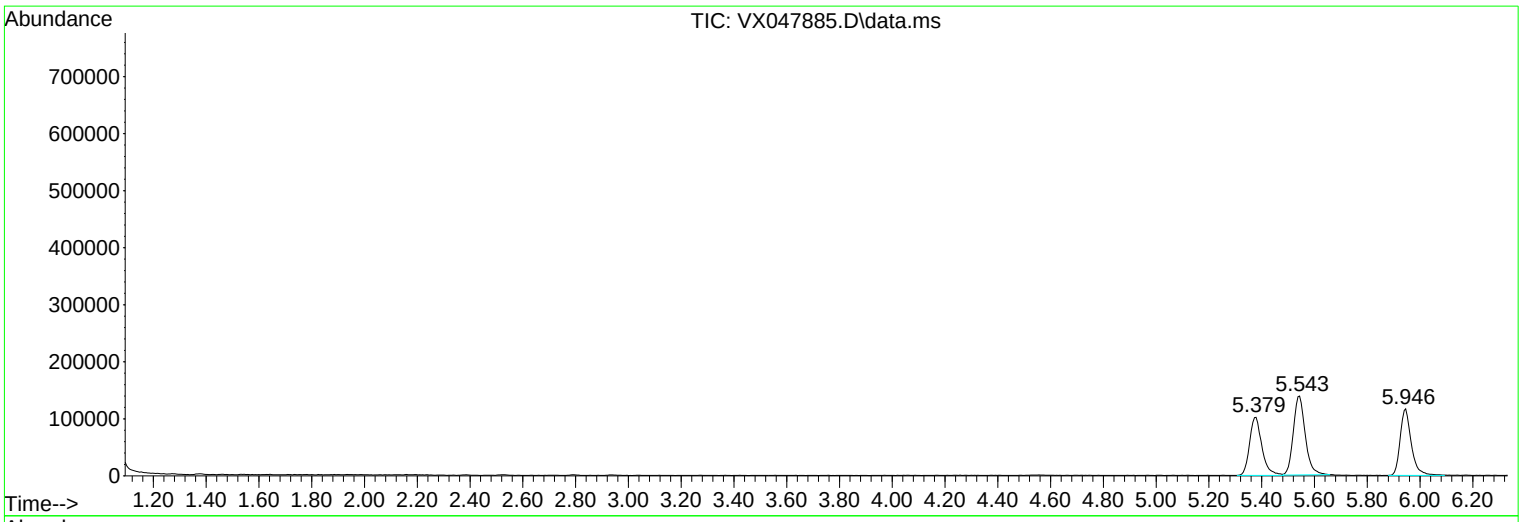
Sample Results: **VX047885.D**

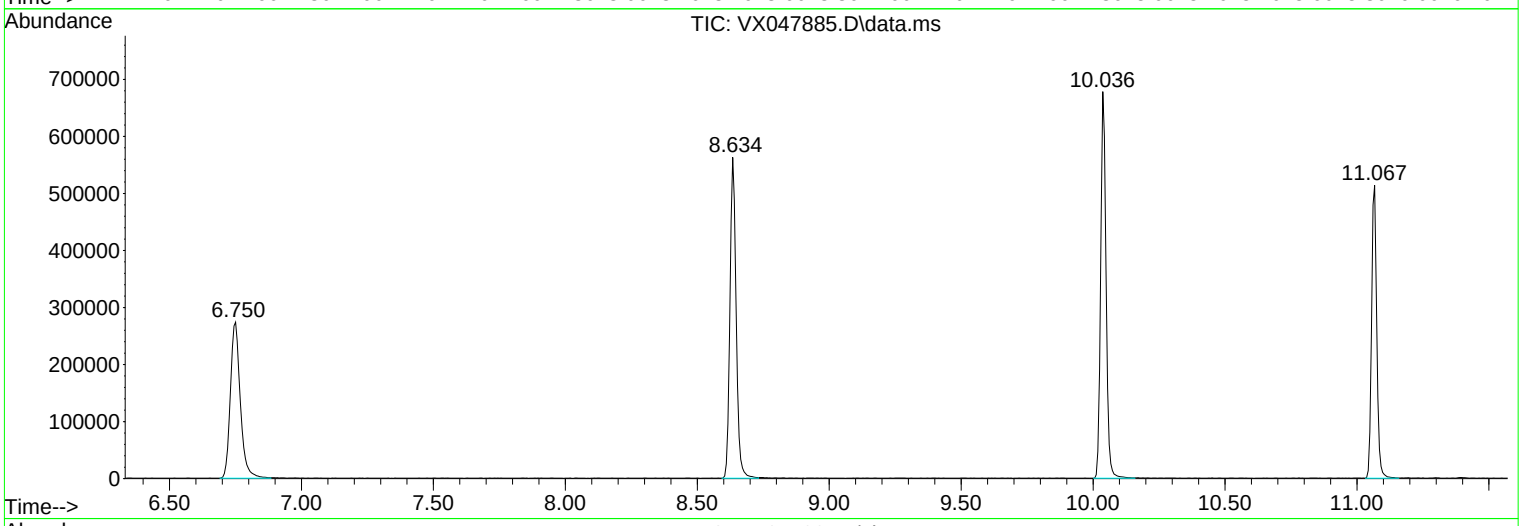
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047885.D
Acq On : 29 Sep 2025 15:41
Operator : JC/MD
Sample : Q3213-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

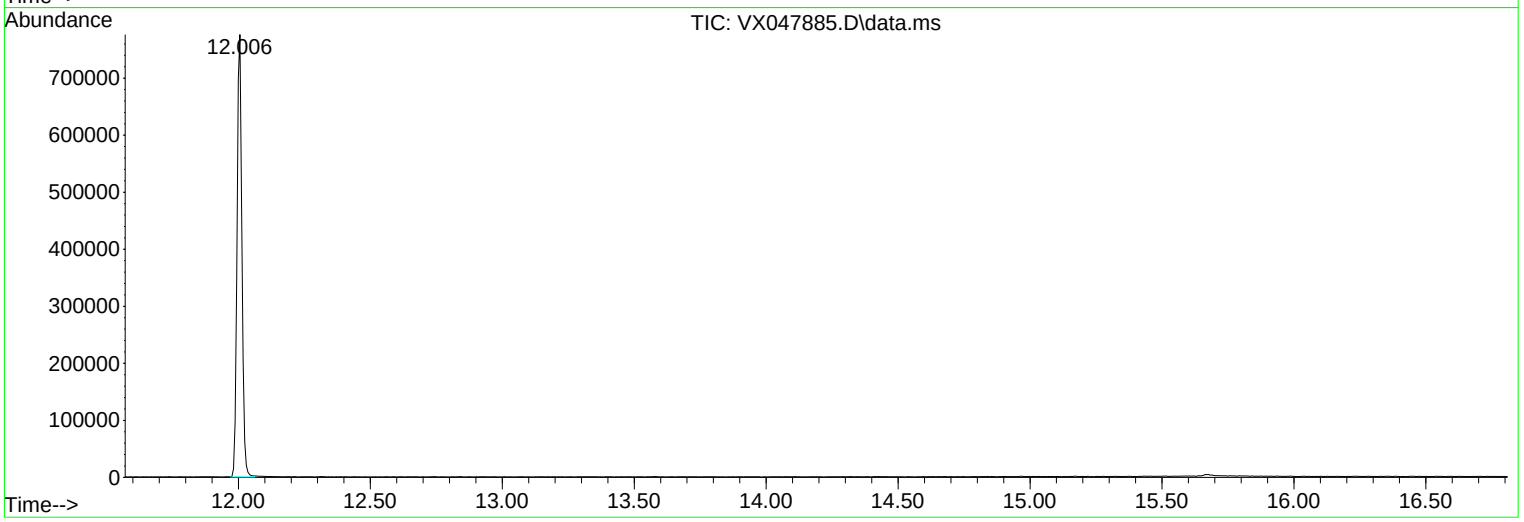
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250923

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VX047885.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047885.D
Acq On : 29 Sep 2025 15:41
Operator : JC/MD
Sample : Q3213-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250923

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047885.D
Acq On : 29 Sep 2025 15:41
Operator : JC/MD
Sample : Q3213-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250923

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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: **VX047884.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/24/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/25/25
Client Sample ID:	VPB184-HYD-20250924	SDG No.:	Q3213
Lab Sample ID:	Q3213-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047884.D	1	09/29/25 15:20	VX092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.54	J	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.32	J	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Raw Data: **VX047884.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/24/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/25/25
Client Sample ID:	VPB184-HYD-20250924	SDG No.:	Q3213
Lab Sample ID:	Q3213-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047884.D	1	09/29/25 15:20	VX092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.75	J	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.53	J	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.5		81 - 118		109%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	48.6		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.9		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	138000	5.544				
540-36-3	1,4-Difluorobenzene	288000	6.745				
3114-55-4	Chlorobenzene-d5	303000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	155000	12.006				
TENTATIVE IDENTIFIED COMPOUNDS							

Raw Data: **VX047884.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/24/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/25/25
Client Sample ID:	VPB184-HYD-20250924	SDG No.:	Q3213
Lab Sample ID:	Q3213-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047884.D	1	09/29/25 15:20	VX092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
75-43-4	Dichlorofluoromethane	N.D					

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047884.D
Acq On : 29 Sep 2025 15:20
Operator : JC/MD
Sample : Q3213-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20250924

Quant Time: Sep 30 01:22:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	137990	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	287753	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	302814	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	155121	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	119798	54.542	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.080%			
35) Dibromofluoromethane	5.379	113	96280	49.890	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.780%			
50) Toluene-d8	8.635	98	324271	48.561	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.120%			
62) 4-Bromofluorobenzene	11.067	95	141573	55.863	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.720%			
Target Compounds						Qvalue
3) Chloromethane	1.307	50	1005	0.535	ug/l	94
16) Acetone	2.374	43	1190	1.246	ug/l #	79
47) Bromodichloromethane	7.812	83	1036	0.315	ug/l #	81
60) Dibromochloromethane	9.513	129	1749	0.746	ug/l	100
71) Bromoform	10.787	173	934	0.527	ug/l #	93

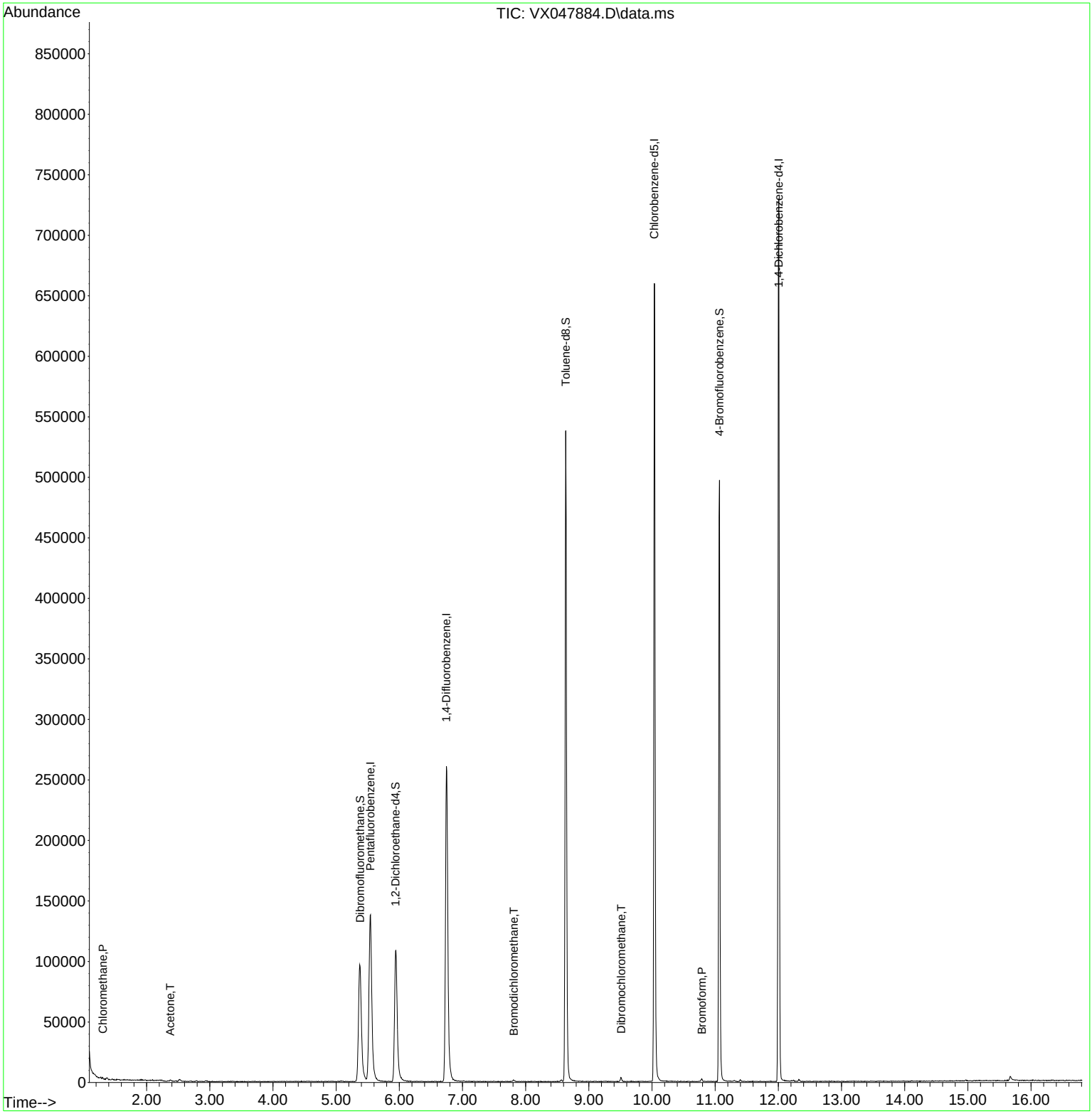
(#) = qualifier out of range (m) = manual integration (+) = signals summed

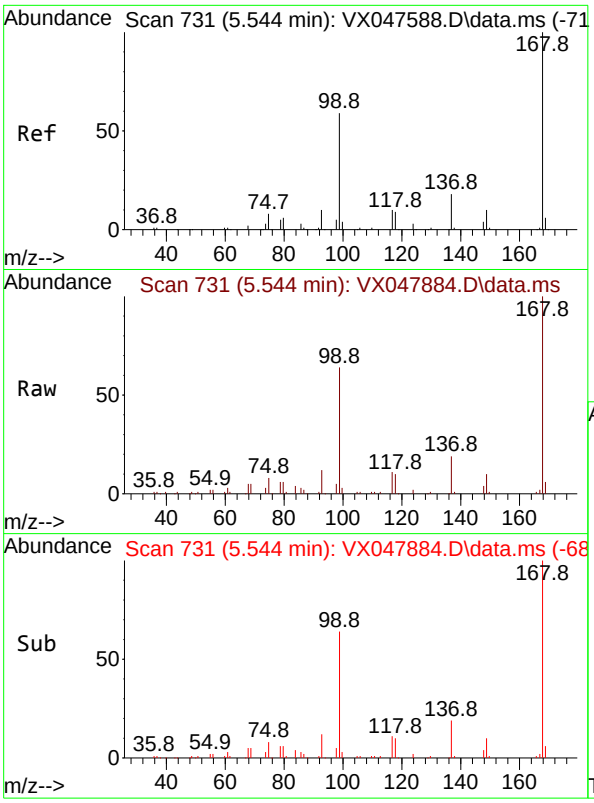
Sample Results: **VX047884.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047884.D
Acq On : 29 Sep 2025 15:20
Operator : JC/MD
Sample : Q3213-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20250924

Quant Time: Sep 30 01:22:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



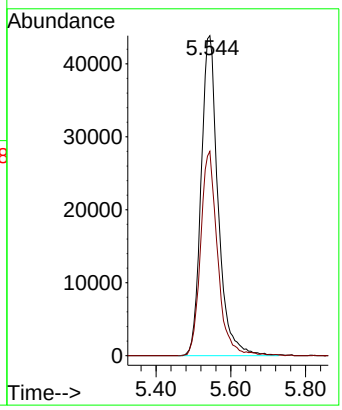


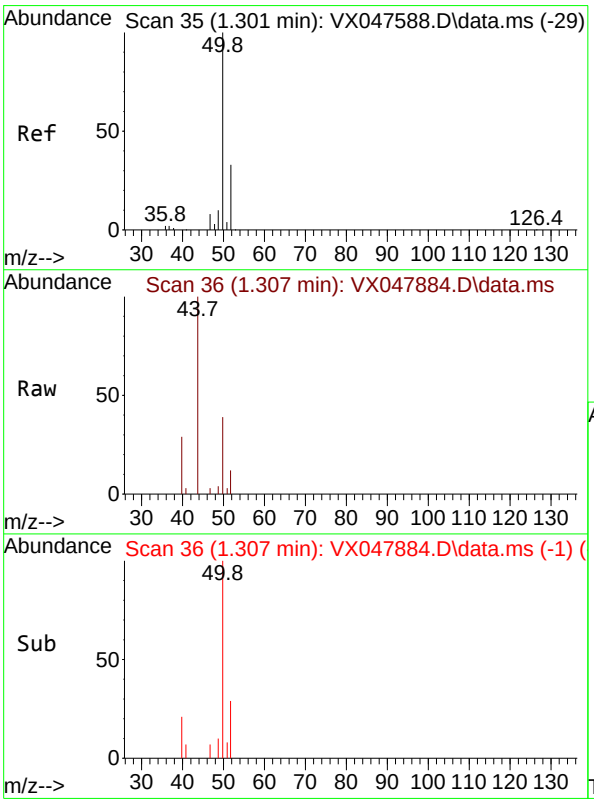
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047884.D
Acq: 29 Sep 2025 15:20

Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20250924

Tgt Ion:168 Resp: 137990

Ion	Ratio	Lower	Upper
168	100		
99	63.9	48.8	73.2

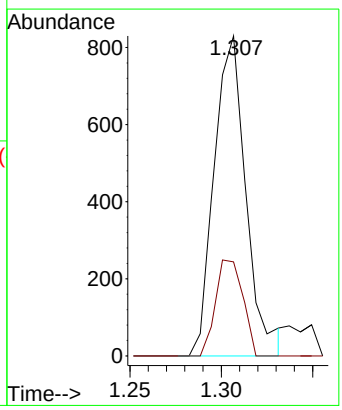


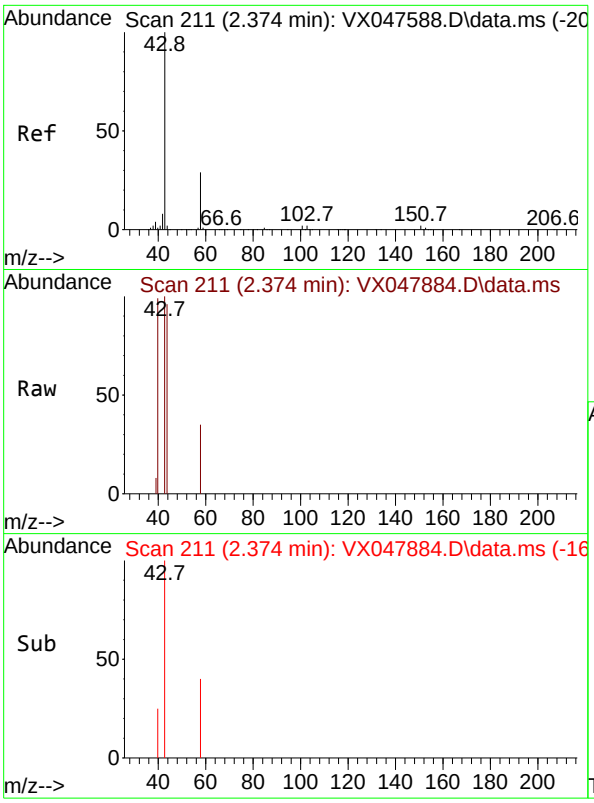


#3
Chloromethane
Concen: 0.535 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX047884.D
Acq: 29 Sep 2025 15:20

Tgt Ion: 50 Resp: 1005

Ion	Ratio	Lower	Upper
50	100		
52	29.4	26.1	39.1



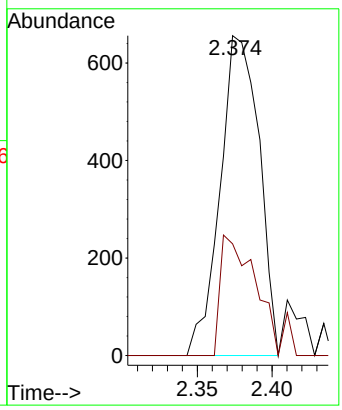


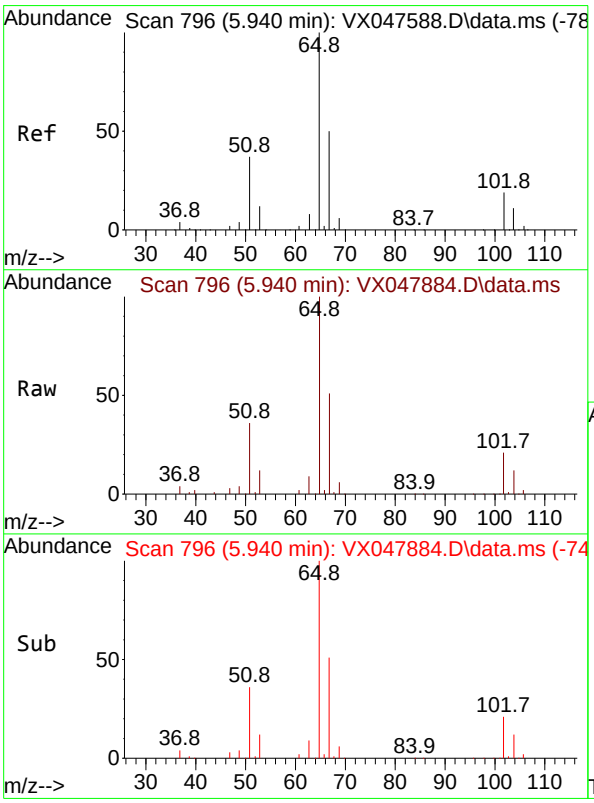
#16
Acetone
Concen: 1.246 ug/l
RT: 2.374 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX047884.D
Acq: 29 Sep 2025 15:20

Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20250924

Tgt Ion: 43 Resp: 1190

Ion	Ratio	Lower	Upper
43	100		
58	17.8	23.4	35.0#

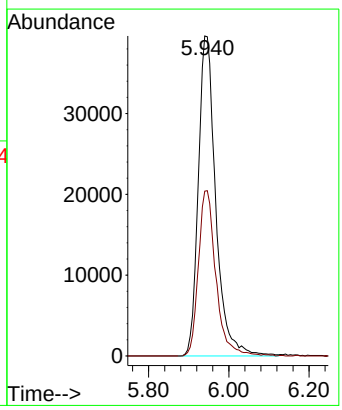


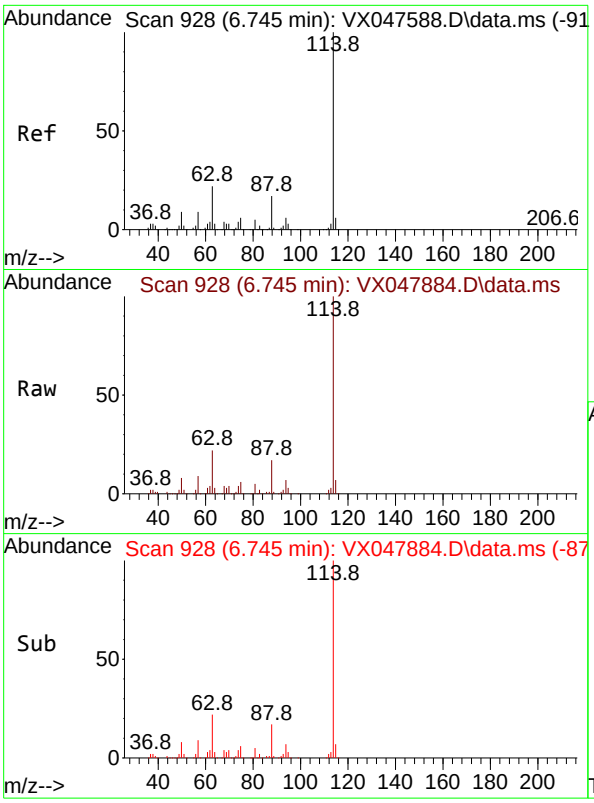


#33
1,2-Dichloroethane-d4
Concen: 54.542 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX047884.D
Acq: 29 Sep 2025 15:20

Tgt Ion: 65 Resp: 119798

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	103.0



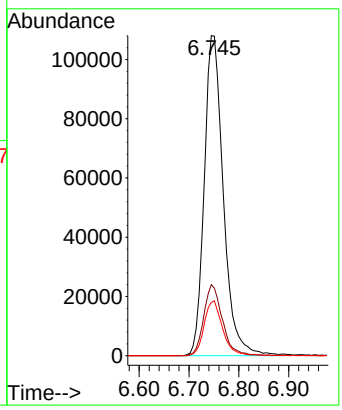


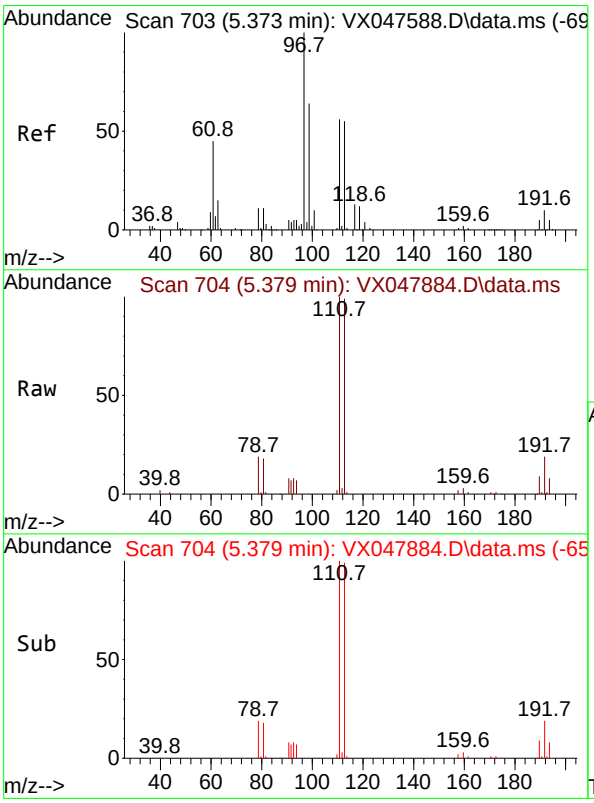
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047884.D
Acq: 29 Sep 2025 15:20

Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20250924

Tgt Ion:114 Resp: 287753

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	44.0
88	16.7	0.0	34.2

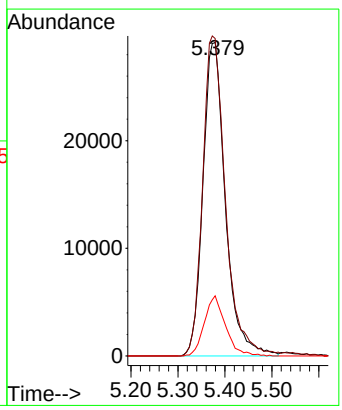


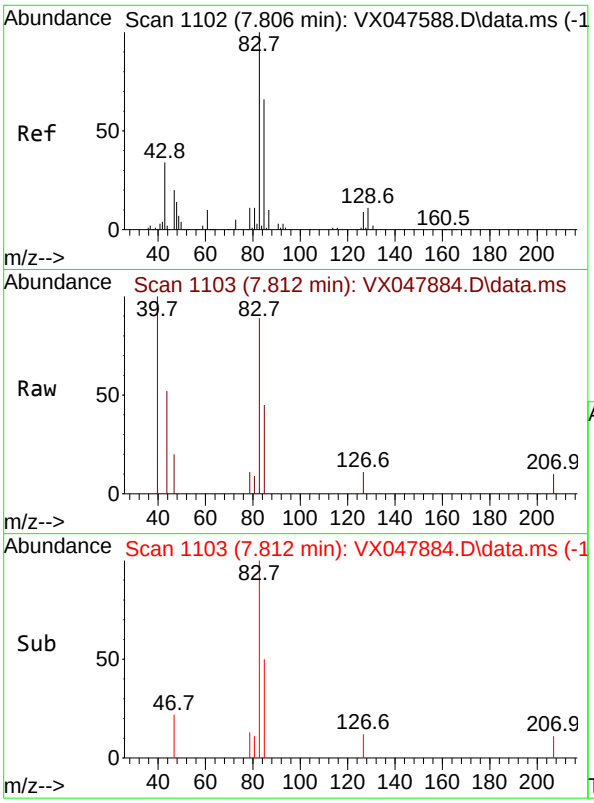


#35
Dibromofluoromethane
Concen: 49.890 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047884.D
Acq: 29 Sep 2025 15:20

Tgt Ion:113 Resp: 96280

Ion	Ratio	Lower	Upper
113	100		
111	103.8	80.9	121.3
192	18.1	14.2	21.4



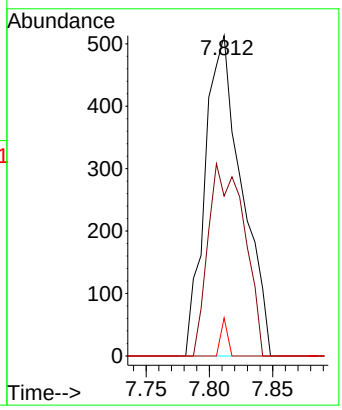


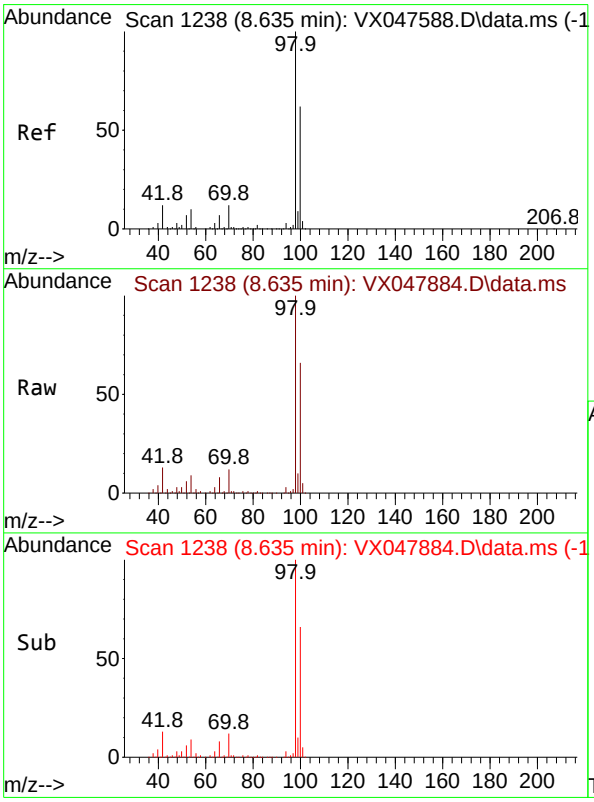
#47
Bromodichloromethane
Concen: 0.315 ug/l
RT: 7.812 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047884.D
Acq: 29 Sep 2025 15:20

Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20250924

Tgt Ion: 83 Resp: 1036

Ion	Ratio	Lower	Upper
83	100		
85	49.9	52.5	78.7#
127	11.9	6.9	10.3#

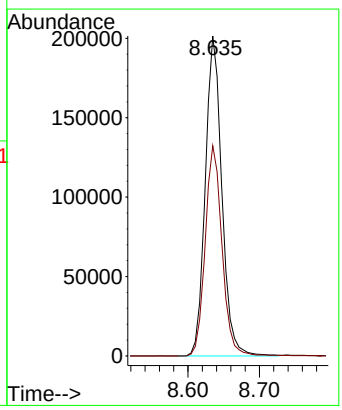


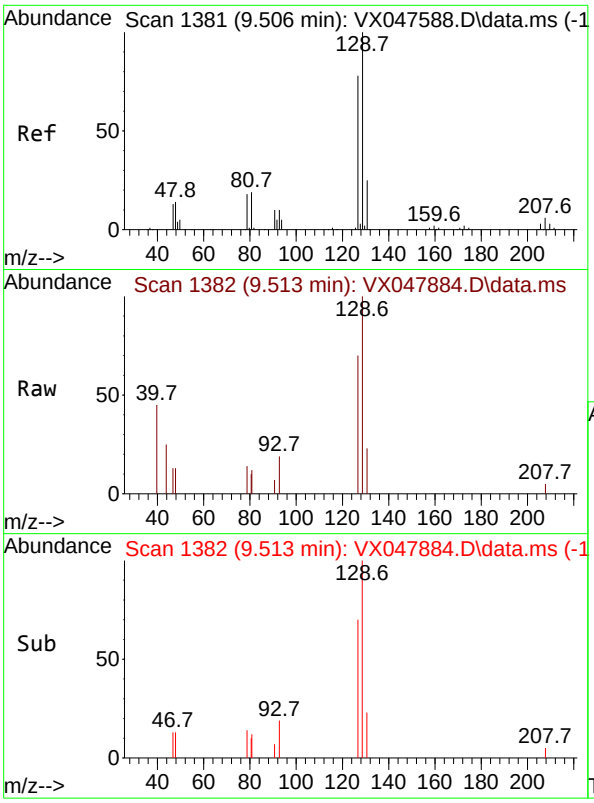


#50
Toluene-d8
Concen: 48.561 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047884.D
Acq: 29 Sep 2025 15:20

Tgt Ion: 98 Resp: 324271

Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.0	79.4



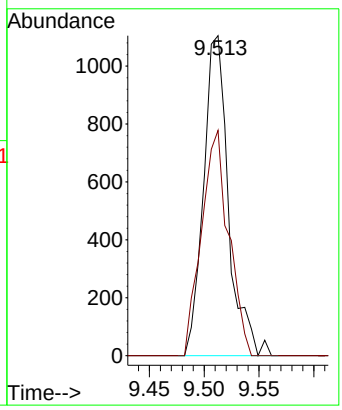


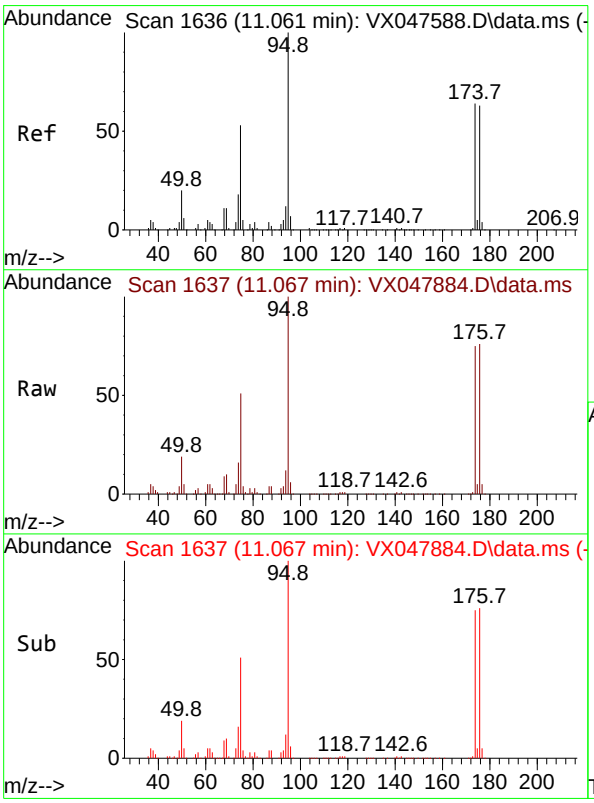
#60
Dibromochloromethane
Concen: 0.746 ug/l
RT: 9.513 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047884.D
Acq: 29 Sep 2025 15:20

Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20250924

Tgt Ion:129 Resp: 1749

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.4	115.2

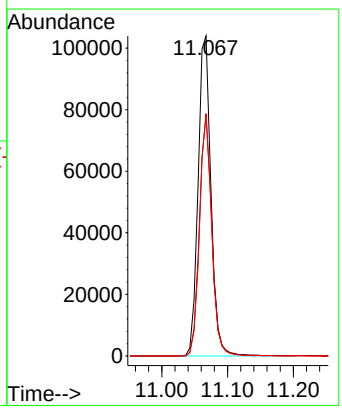


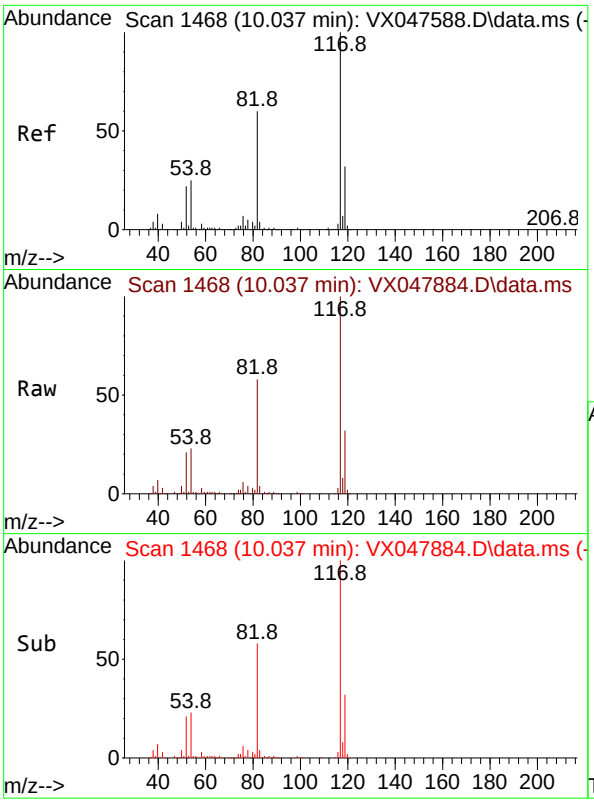


#62
4-Bromofluorobenzene
Concen: 55.863 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047884.D
Acq: 29 Sep 2025 15:20

Tgt Ion: 95 Resp: 141573

Ion	Ratio	Lower	Upper
95	100		
174	72.8	0.0	141.6
176	71.3	0.0	138.4



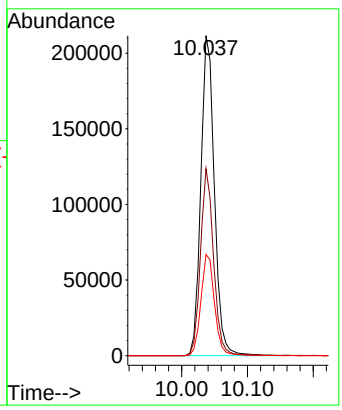


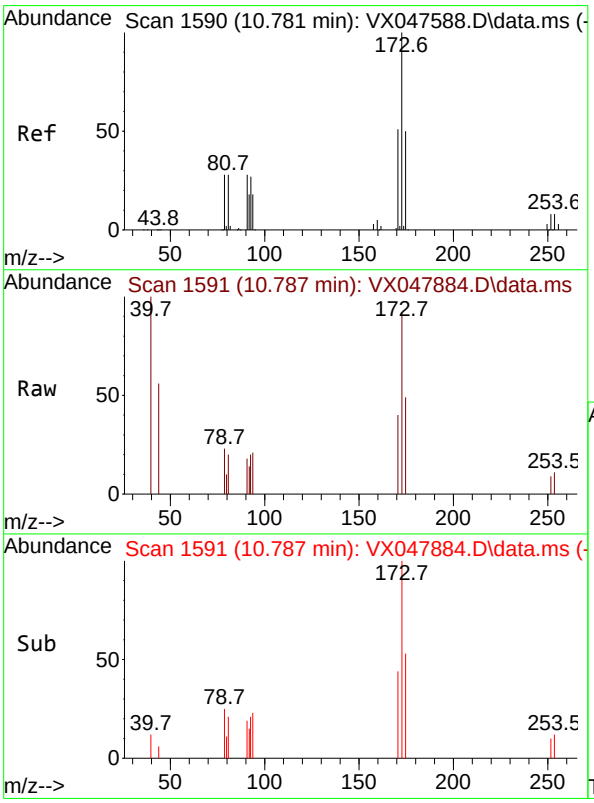
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047884.D
Acq: 29 Sep 2025 15:20

Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20250924

Tgt Ion:117 Resp: 302814

Ion	Ratio	Lower	Upper
117	100		
82	58.4	47.8	71.6
119	31.6	25.2	37.8

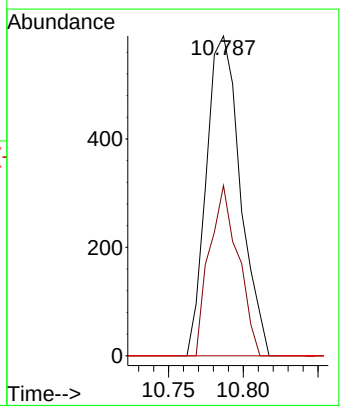


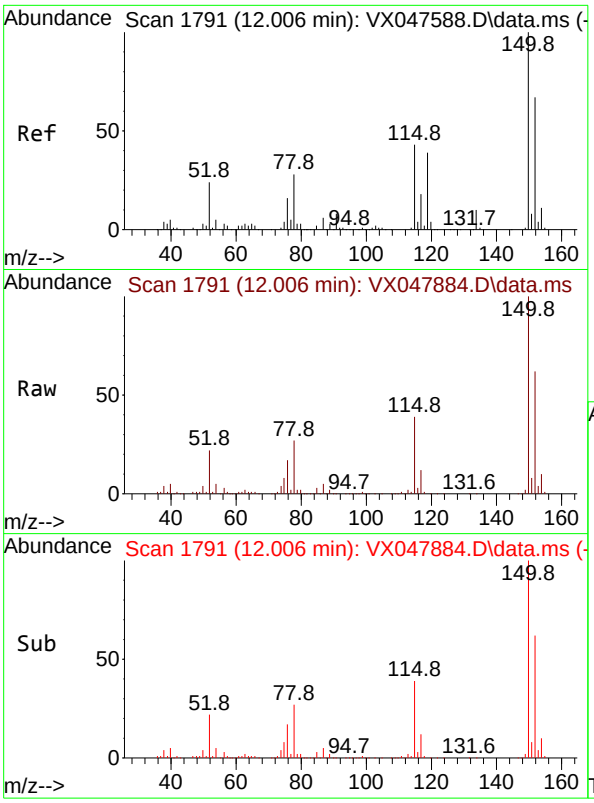


#71
Bromoform
Concen: 0.527 ug/l
RT: 10.787 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VX047884.D
Acq: 29 Sep 2025 15:20

Tgt Ion:173 Resp: 934

Ion	Ratio	Lower	Upper
173	100		
175	45.0	24.9	74.6
254	0.0	0.1	0.1#



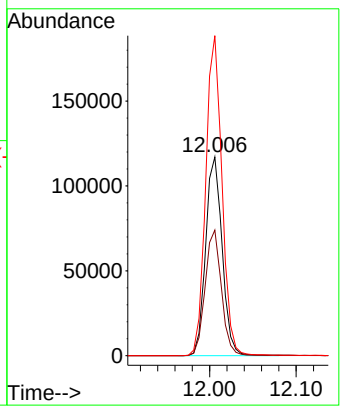


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047884.D
Acq: 29 Sep 2025 15:20

Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20250924

Tgt Ion:152 Resp: 155121

Ion	Ratio	Lower	Upper
152	100		
115	62.5	44.9	134.5
150	158.7	0.0	352.0



Sample Results: **VX047884.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047884.D
Acq On : 29 Sep 2025 15:20
Operator : JC/MD
Sample : Q3213-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20250924

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Title : SW846 8260

Signal : TIC: VX047884.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.373	692	703	719	rBV4	96224	314186	32.17%	6.020%
2	5.544	720	731	753	rVB	137155	427933	43.82%	8.200%
3	5.946	787	797	818	rBV	108421	325678	33.35%	6.240%
4	6.745	917	928	945	rBV	260403	687122	70.35%	13.166%
5	8.635	1230	1238	1260	rBV	537676	877789	89.88%	16.819%
6	10.037	1462	1468	1484	rBV	659261	934808	95.72%	17.912%
7	11.067	1631	1637	1648	rBV	496917	674818	69.10%	12.930%
8	12.006	1785	1791	1802	rBV	729262	976650	100.00%	18.713%

Sum of corrected areas: 5218984

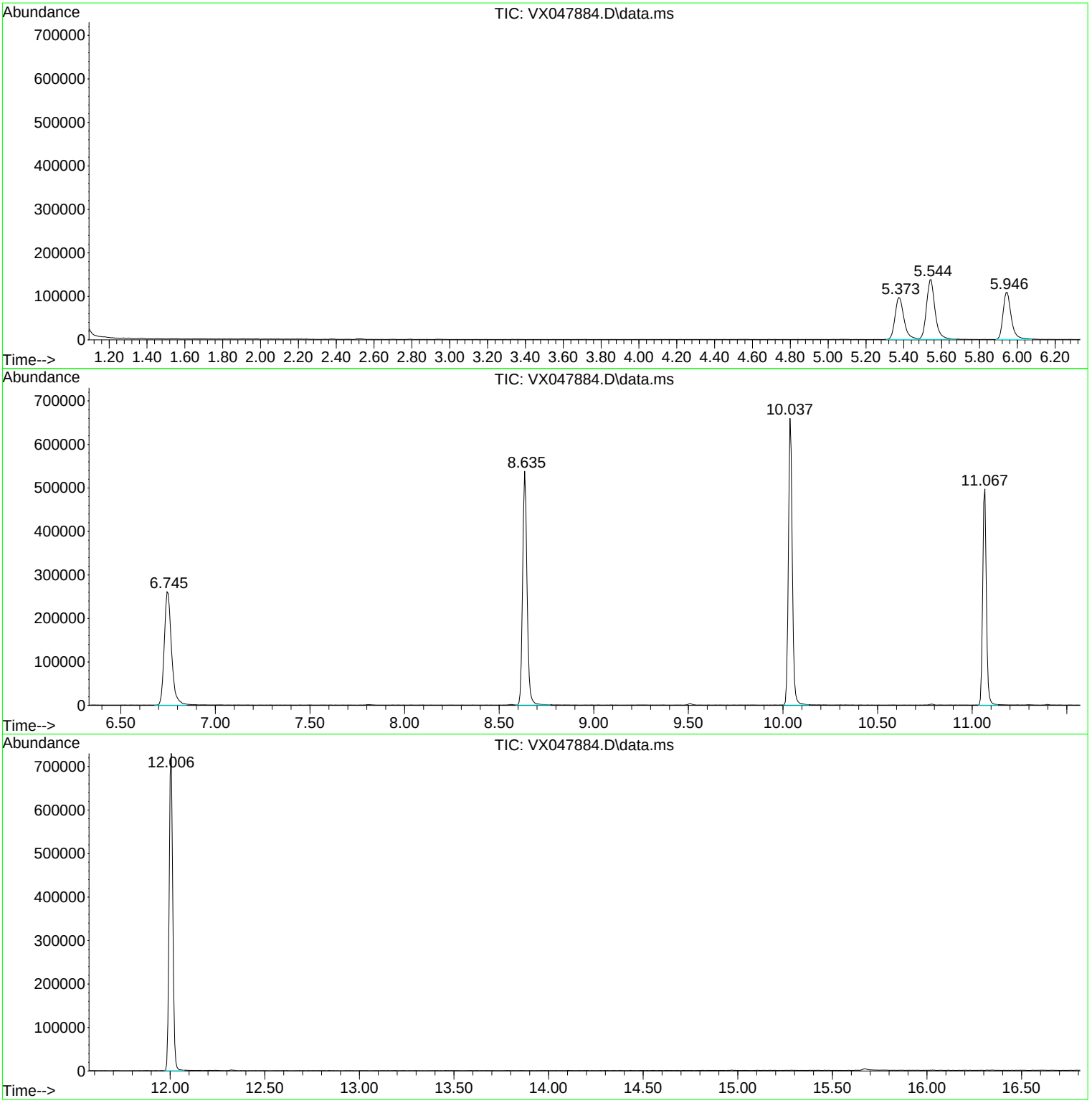
Sample Results: **VX047884.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047884.D
Acq On : 29 Sep 2025 15:20
Operator : JC/MD
Sample : Q3213-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20250924

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX047884.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047884.D
Acq On : 29 Sep 2025 15:20
Operator : JC/MD
Sample : Q3213-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20250924

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047884.D
Acq On : 29 Sep 2025 15:20
Operator : JC/MD
Sample : Q3213-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20250924

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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: **VX047886.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/23/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-GW-340-342	SDG No.:	Q3213
Lab Sample ID:	Q3213-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047886.D	1	09/29/25 16:02	VX092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.49	J	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	7.10		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.48	J	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/23/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-GW-340-342	SDG No.:	Q3213
Lab Sample ID:	Q3213-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047886.D	1	09/29/25 16:02	VX092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.1		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	47.6		80 - 119		95%	SPK: 50
2037-26-5	Toluene-d8	47.9		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	121000	5.544				
540-36-3	1,4-Difluorobenzene	250000	6.745				
3114-55-4	Chlorobenzene-d5	252000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	126000	12.006				
TENTATIVE IDENTIFIED COMPOUNDS							

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/23/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-GW-340-342	SDG No.:	Q3213
Lab Sample ID:	Q3213-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047886.D	1	09/29/25 16:02	VX092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
75-43-4	Dichlorofluoromethane	N.D					

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: **VX047886.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047886.D
Acq On : 29 Sep 2025 16:02
Operator : JC/MD
Sample : Q3213-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-340-342

Quant Time: Sep 30 01:22:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

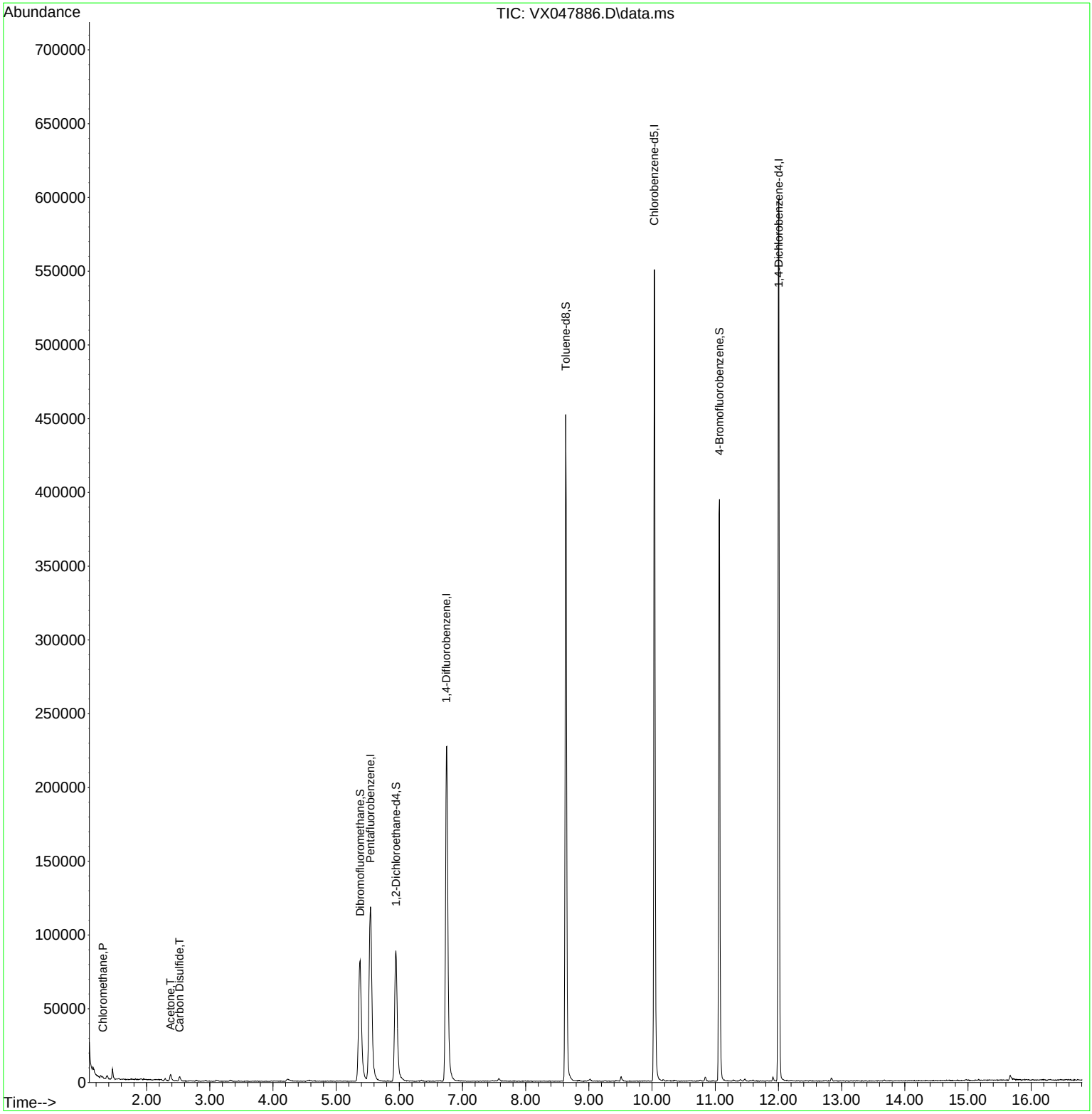
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	121262	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	250493	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	252342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	126414	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	96623	50.059	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.120%			
35) Dibromofluoromethane	5.379	113	80030	47.639	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.280%			
50) Toluene-d8	8.635	98	278316	47.879	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.760%			
62) 4-Bromofluorobenzene	11.067	95	113538	51.465	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.940%			
Target Compounds						Qvalue
3) Chloromethane	1.307	50	815	0.494	ug/l	93
16) Acetone	2.380	43	5987	7.134	ug/l	98
17) Carbon Disulfide	2.520	76	1904	0.483	ug/l	99

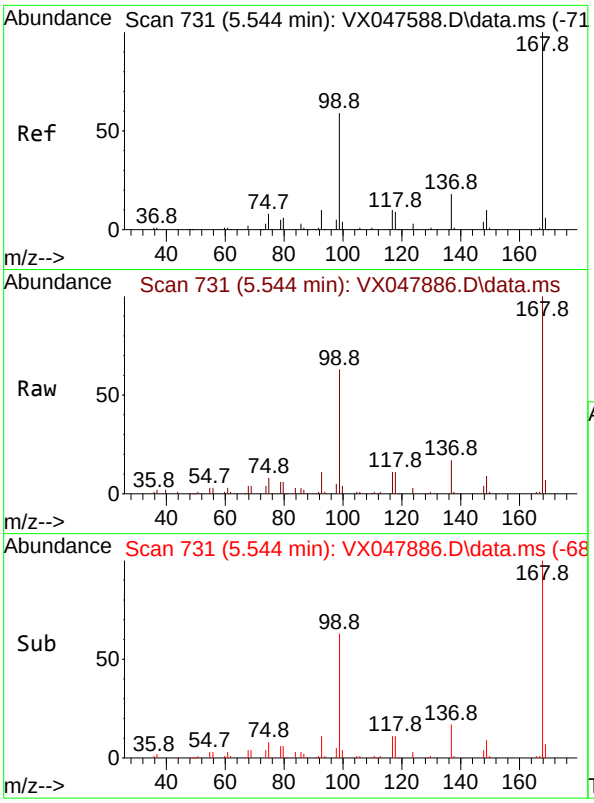
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047886.D
Acq On : 29 Sep 2025 16:02
Operator : JC/MD
Sample : Q3213-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-340-342

Quant Time: Sep 30 01:22:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



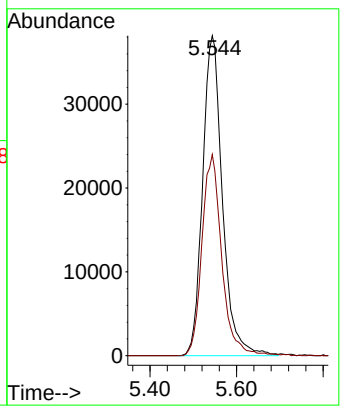


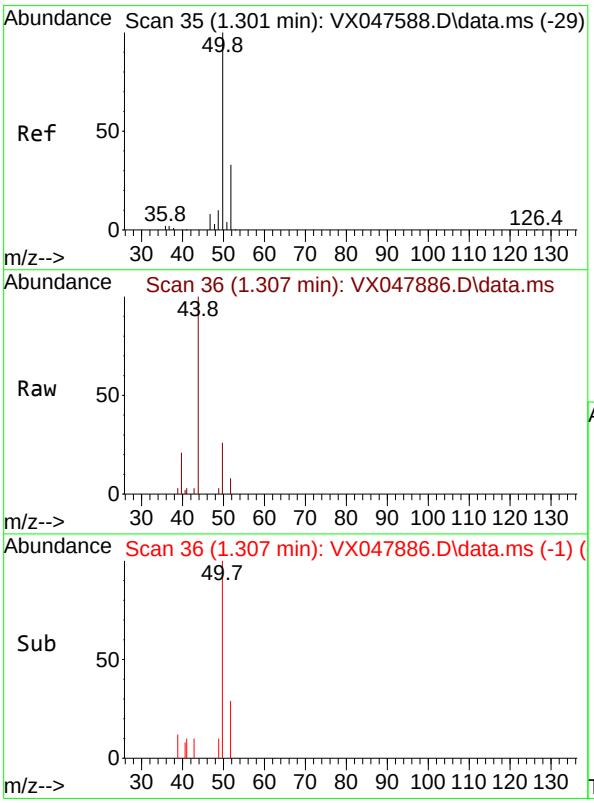
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047886.D
Acq: 29 Sep 2025 16:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-340-342

Tgt Ion:168 Resp: 121262

Ion	Ratio	Lower	Upper
168	100		
99	62.9	48.8	73.2

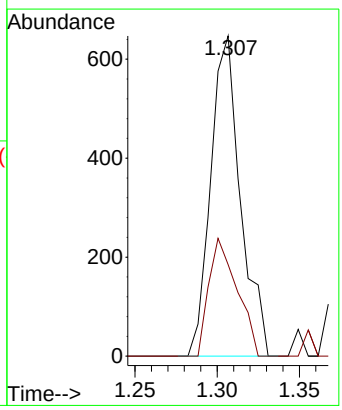


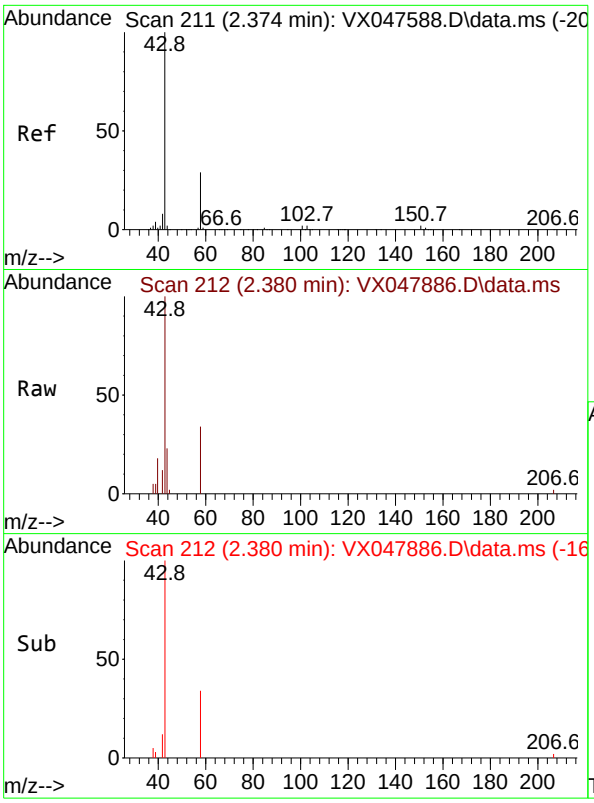


#3
Chloromethane
Concen: 0.494 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX047886.D
Acq: 29 Sep 2025 16:02

Tgt Ion: 50 Resp: 815

Ion	Ratio	Lower	Upper
50	100		
52	28.6	26.1	39.1



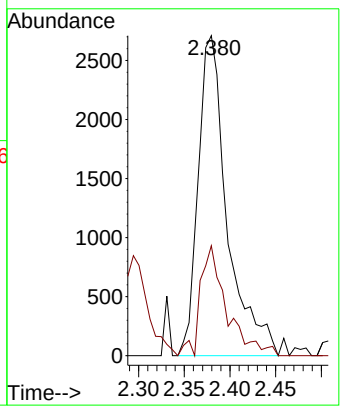


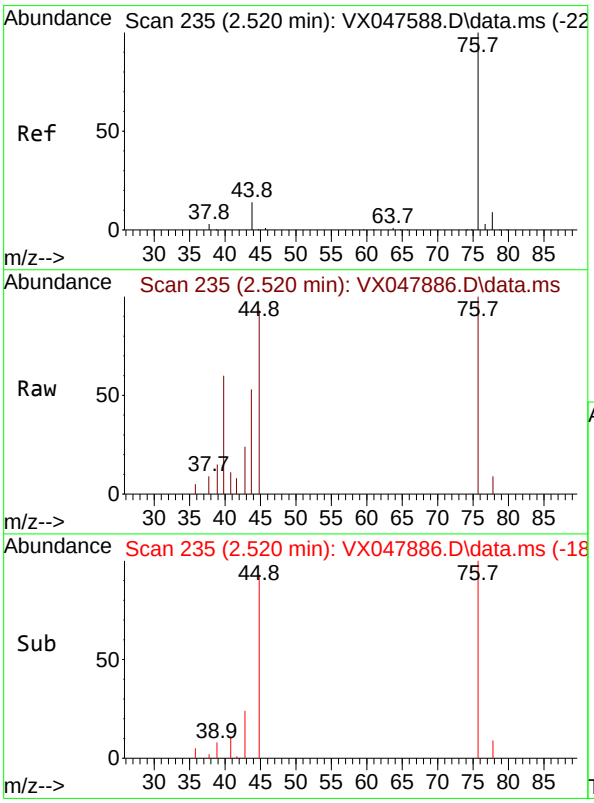
#16
Acetone
Concen: 7.134 ug/l
RT: 2.380 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047886.D
Acq: 29 Sep 2025 16:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-340-342

Tgt Ion: 43 Resp: 5987

Ion	Ratio	Lower	Upper
43	100		
58	28.0	23.4	35.0

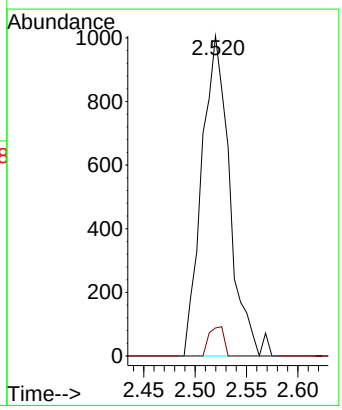


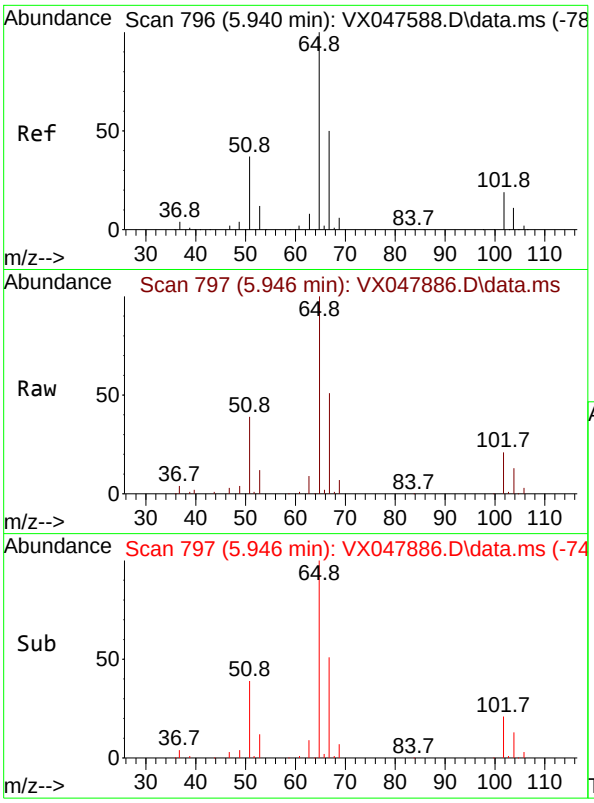


#17
Carbon Disulfide
Concen: 0.483 ug/l
RT: 2.520 min Scan# 235
Delta R.T. -0.000 min
Lab File: VX047886.D
Acq: 29 Sep 2025 16:02

Tgt Ion: 76 Resp: 1904

Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.8	10.2



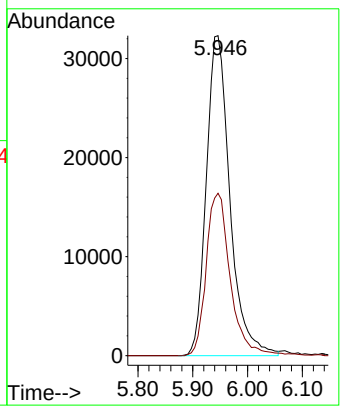


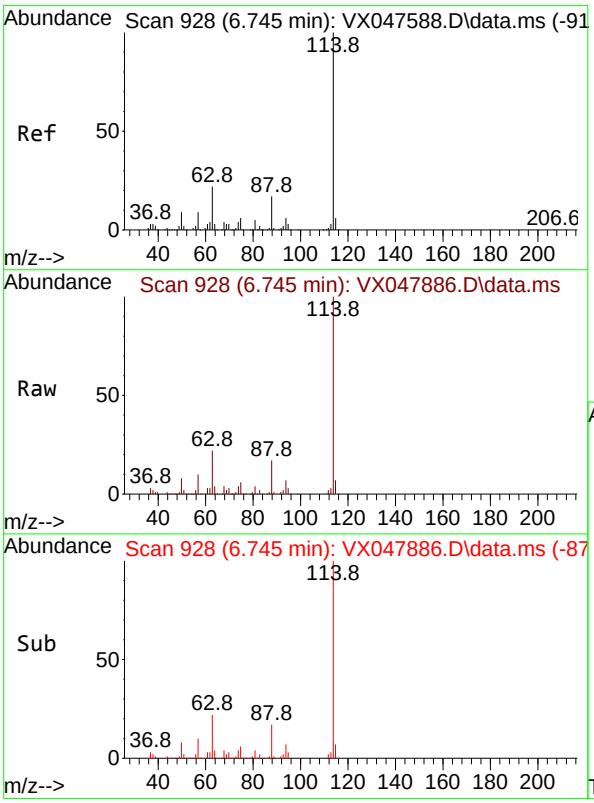
#33
1,2-Dichloroethane-d4
Concen: 50.059 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047886.D
Acq: 29 Sep 2025 16:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-340-342

Tgt Ion: 65 Resp: 96623

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.0

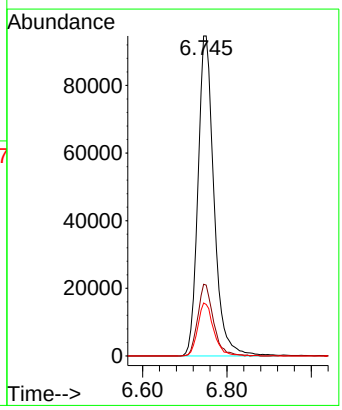


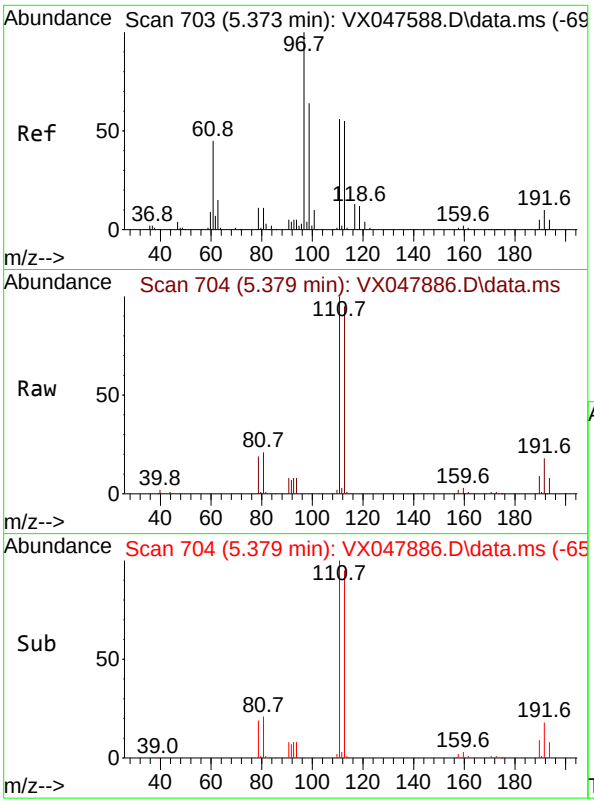


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047886.D
Acq: 29 Sep 2025 16:02

Tgt Ion:114 Resp: 250493

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	44.0
88	16.5	0.0	34.2



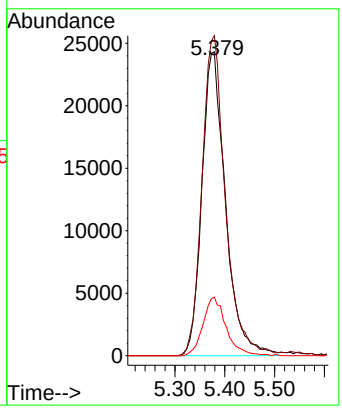


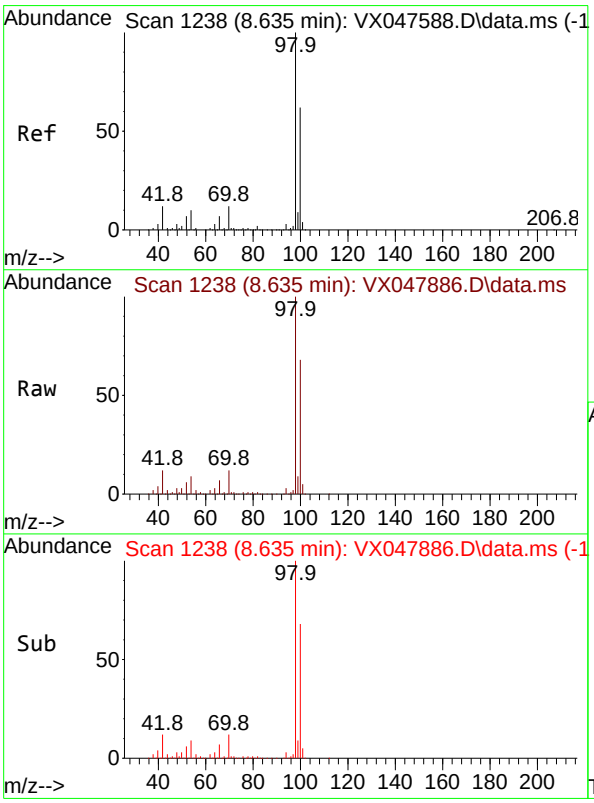
#35
Dibromofluoromethane
Concen: 47.639 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047886.D
Acq: 29 Sep 2025 16:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-340-342

Tgt Ion:113 Resp: 80030

Ion	Ratio	Lower	Upper
113	100		
111	104.0	80.9	121.3
192	18.8	14.2	21.4

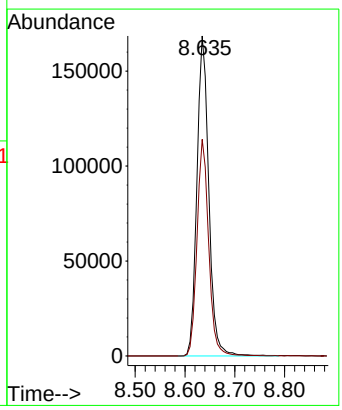


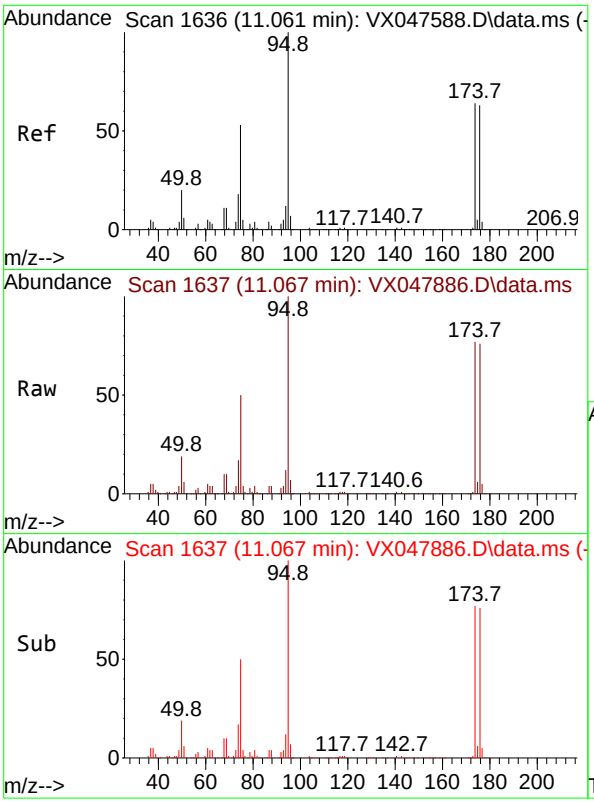


#50
Toluene-d8
Concen: 47.879 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047886.D
Acq: 29 Sep 2025 16:02

Tgt Ion: 98 Resp: 278316

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.0	79.4



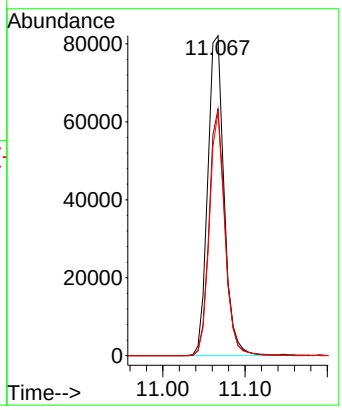


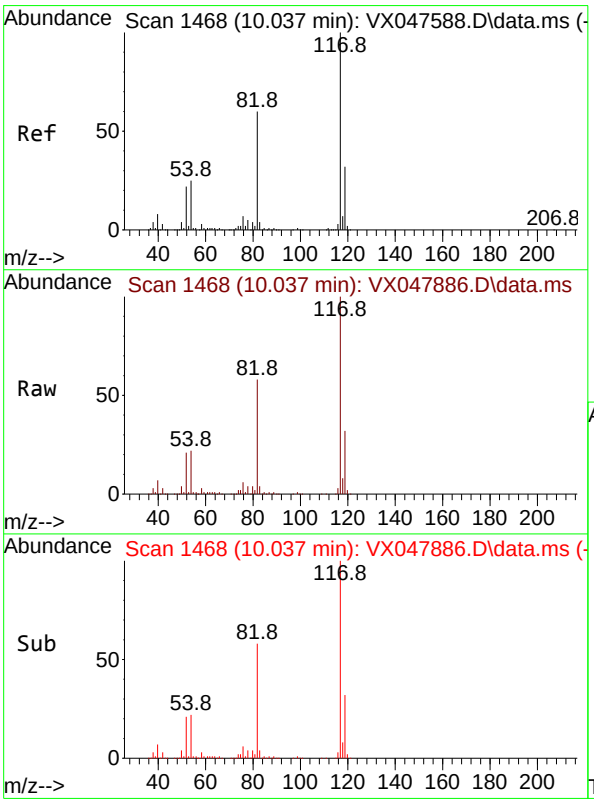
#62
4-Bromofluorobenzene
Concen: 51.465 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047886.D
Acq: 29 Sep 2025 16:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-340-342

Tgt Ion: 95 Resp: 113538

Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	141.6
176	72.2	0.0	138.4

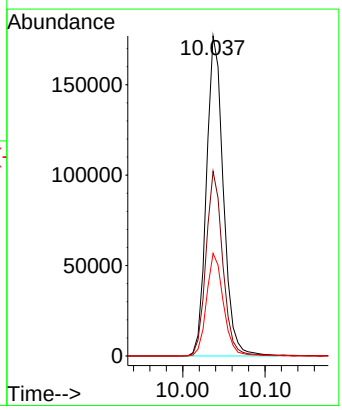


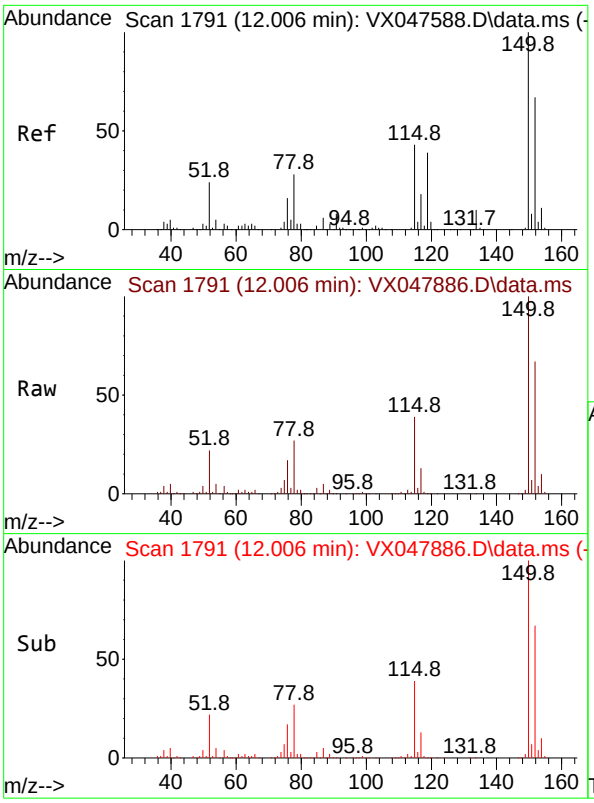


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047886.D
Acq: 29 Sep 2025 16:02

Tgt Ion:117 Resp: 252342

Ion	Ratio	Lower	Upper
117	100		
82	57.7	47.8	71.6
119	32.1	25.2	37.8



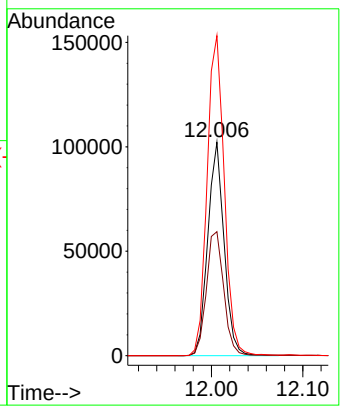


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047886.D
Acq: 29 Sep 2025 16:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-340-342

Tgt Ion:152 Resp: 126414

Ion	Ratio	Lower	Upper
152	100		
115	62.0	44.9	134.5
150	158.1	0.0	352.0



Sample Results: **VX047886.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047886.D
Acq On : 29 Sep 2025 16:02
Operator : JC/MD
Sample : Q3213-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-340-342

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Title : SW846 8260

Signal : TIC: VX047886.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.148	8	10	22	rVB2	6351	13721	1.74%	0.312%
2	1.459	56	61	68	rVB	7177	10021	1.27%	0.228%
3	2.380	206	212	219	rBV	4347	8664	1.10%	0.197%
4	5.379	691	704	720	rBV4	81748	264673	33.51%	6.009%
5	5.544	720	731	749	rVB2	117342	369713	46.81%	8.394%
6	5.946	787	797	819	rBV2	88462	264426	33.48%	6.004%
7	6.751	919	929	950	rBV	227008	597862	75.69%	13.574%
8	8.635	1231	1238	1260	rBV	452059	752810	95.31%	17.093%
9	10.037	1461	1468	1489	rBV	550291	789865	100.00%	17.934%
10	11.067	1631	1637	1649	rBV	394165	546543	69.19%	12.409%
11	12.006	1785	1791	1801	rBV	598099	786013	99.51%	17.846%

Sum of corrected areas: 4404311

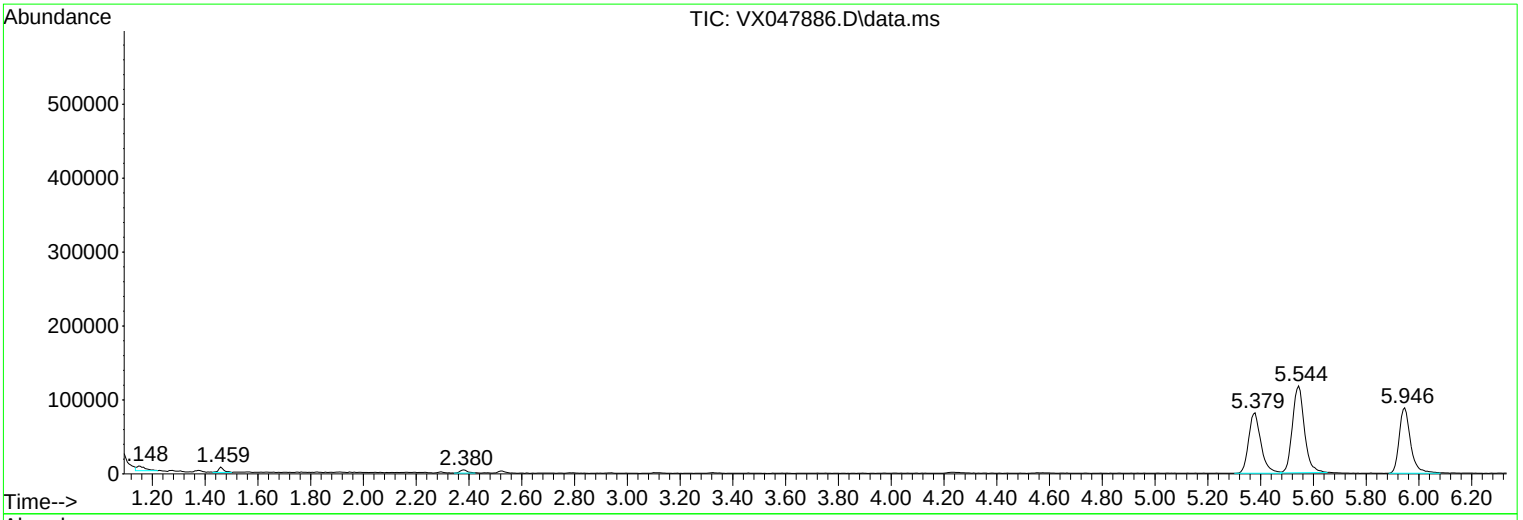
Sample Results: **VX047886.D**

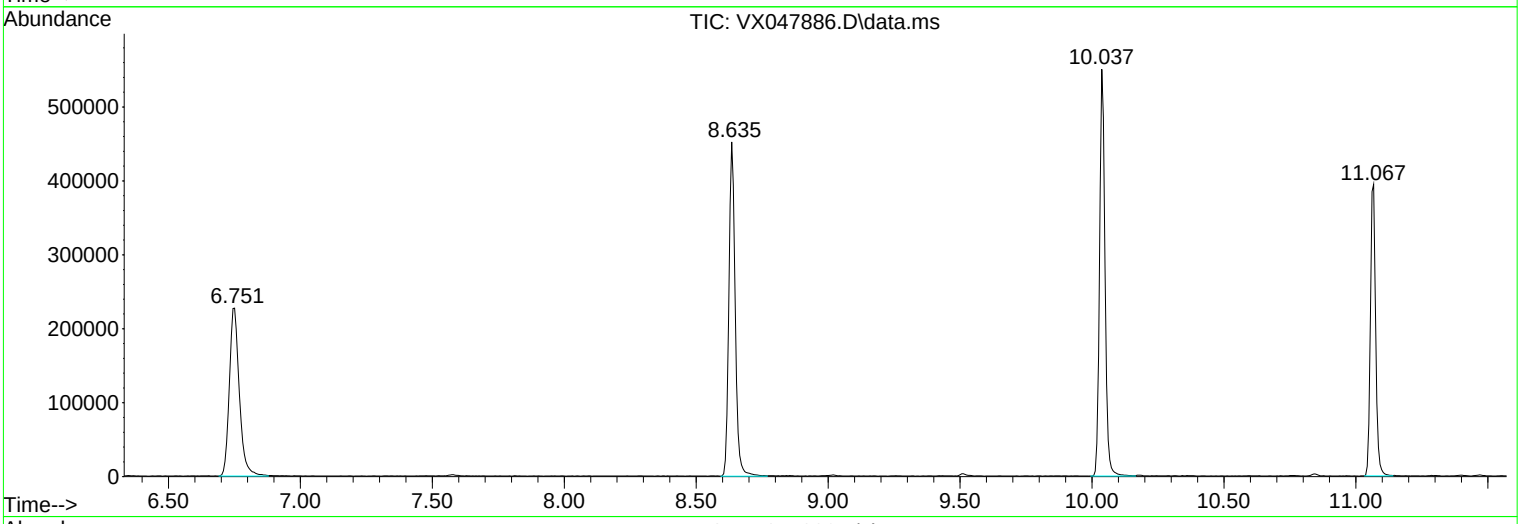
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047886.D
Acq On : 29 Sep 2025 16:02
Operator : JC/MD
Sample : Q3213-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

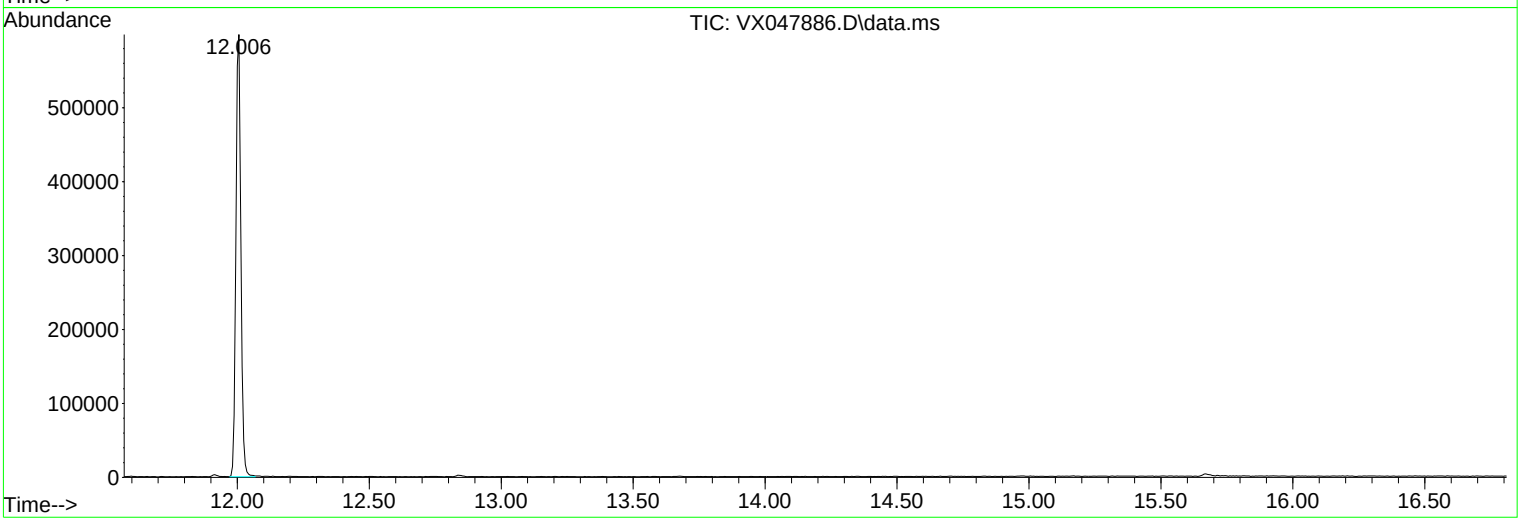
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-340-342

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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







Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047886.D
Acq On : 29 Sep 2025 16:02
Operator : JC/MD
Sample : Q3213-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-340-342

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047886.D
Acq On : 29 Sep 2025 16:02
Operator : JC/MD
Sample : Q3213-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-340-342

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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:	Tetra Tech NUS, Inc.	Date Collected:	09/23/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-GW-360-362	SDG No.:	Q3213
Lab Sample ID:	Q3213-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047900.D	1	09/30/25 11:27	VX093025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	13.8		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	3.80	J	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/23/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-GW-360-362	SDG No.:	Q3213
Lab Sample ID:	Q3213-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047900.D	1	09/30/25 11:27	VX093025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.9		81 - 118		94%	SPK: 50
1868-53-7	Dibromofluoromethane	47.4		80 - 119		95%	SPK: 50
2037-26-5	Toluene-d8	47.3		89 - 112		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	131000	5.544				
540-36-3	1,4-Difluorobenzene	265000	6.751				
3114-55-4	Chlorobenzene-d5	269000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	129000	12.006				
TENTATIVE IDENTIFIED COMPOUNDS							

Raw Data: **VX047900.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/23/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-GW-360-362	SDG No.:	Q3213
Lab Sample ID:	Q3213-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047900.D	1	09/30/25 11:27	VX093025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
75-43-4	Dichlorofluoromethane	N.D					

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047900.D
Acq On : 30 Sep 2025 11:27
Operator : JC/MD
Sample : Q3213-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-360-362

Quant Time: Oct 01 01:06:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

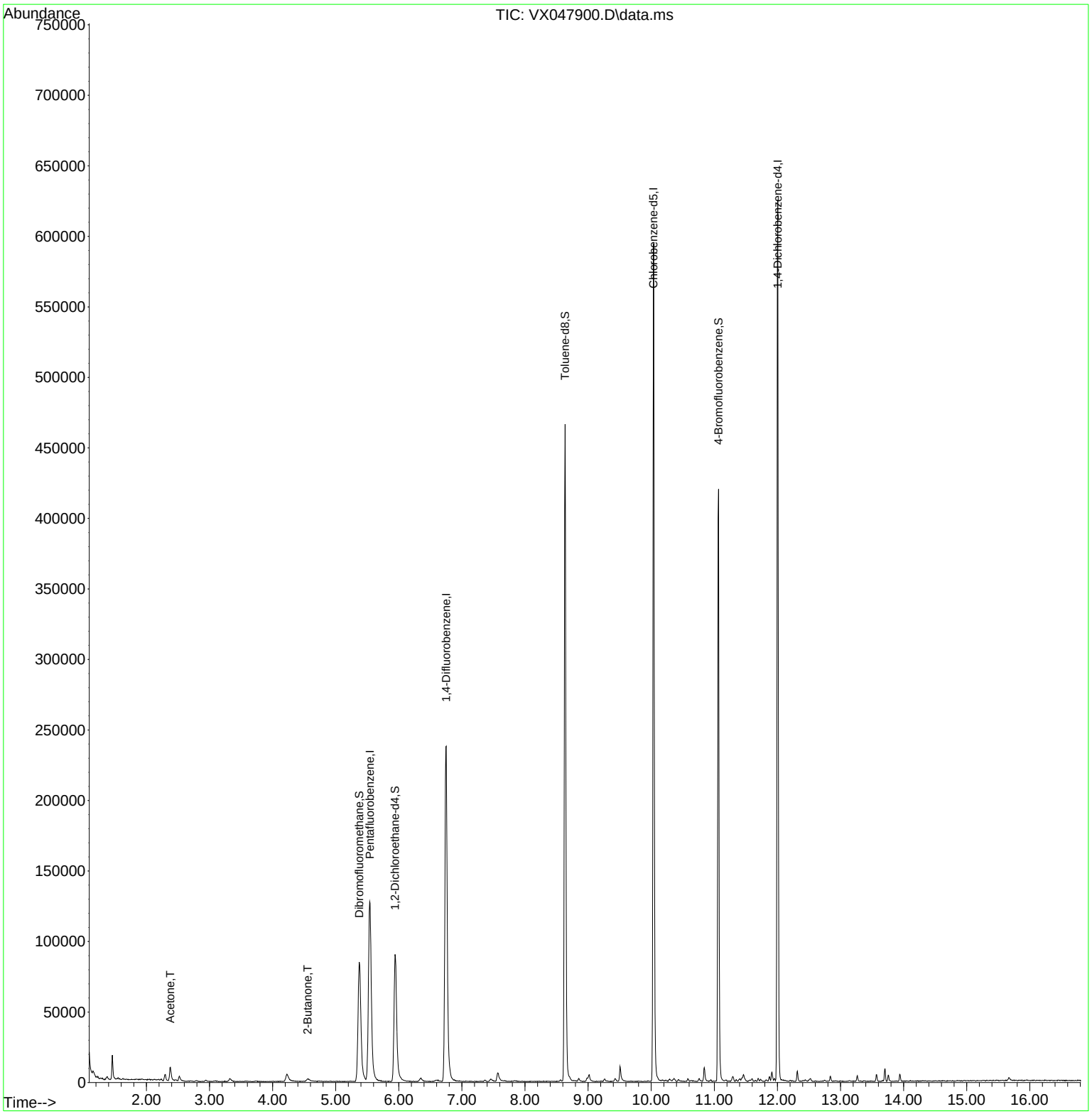
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	131080	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	265322	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	269226	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	129059	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	97917	46.930	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 93.860%			
35) Dibromofluoromethane	5.373	113	84323	47.389	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.780%			
50) Toluene-d8	8.635	98	291076	47.275	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.560%			
62) 4-Bromofluorobenzene	11.067	95	120328	51.495	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.980%			
Target Compounds						Qvalue
16) Acetone	2.380	43	12510	13.790	ug/l	99
25) 2-Butanone	4.556	43	4247	3.753	ug/l #	74

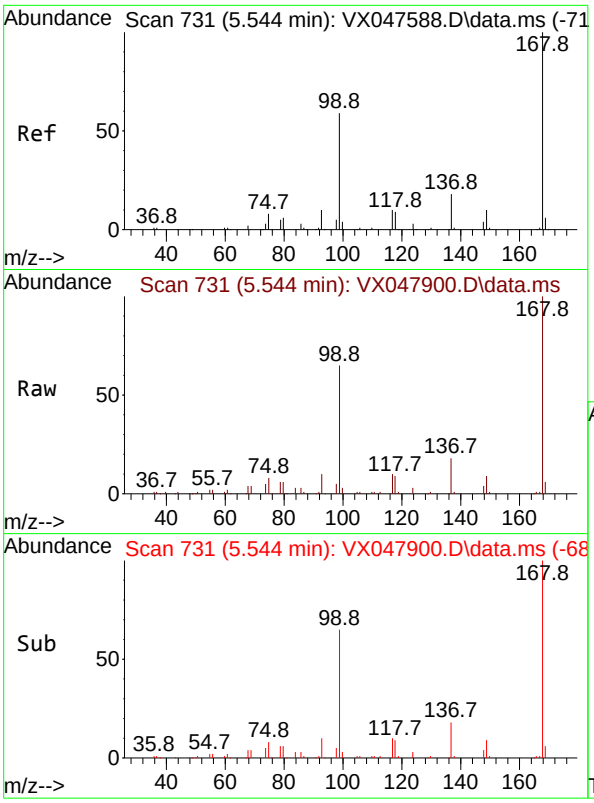
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047900.D
Acq On : 30 Sep 2025 11:27
Operator : JC/MD
Sample : Q3213-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-360-362

Quant Time: Oct 01 01:06:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



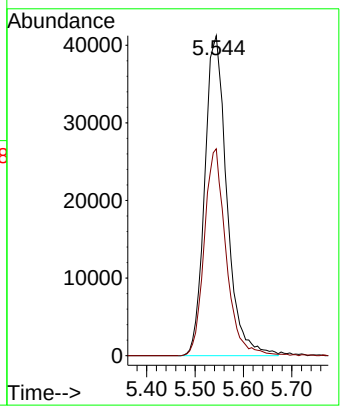


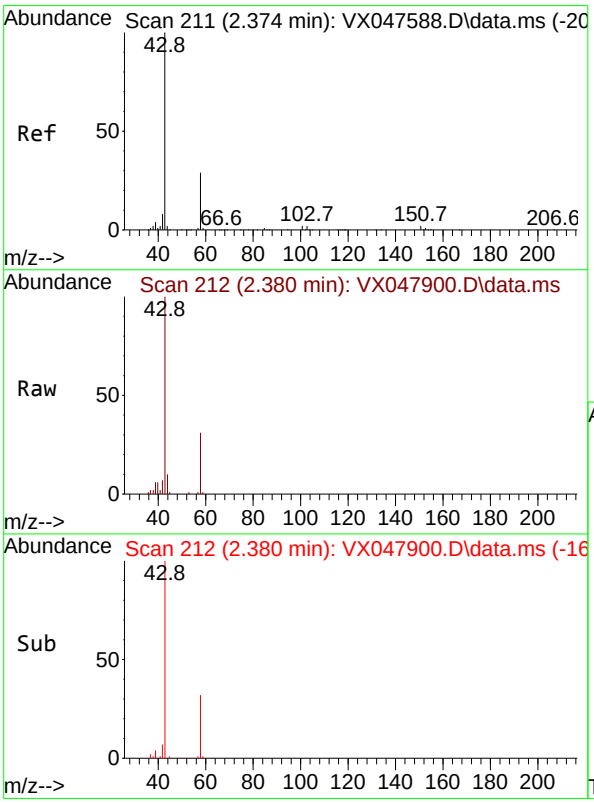
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047900.D
Acq: 30 Sep 2025 11:27

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-360-362

Tgt Ion:168 Resp: 131080

Ion	Ratio	Lower	Upper
168	100		
99	64.6	48.8	73.2

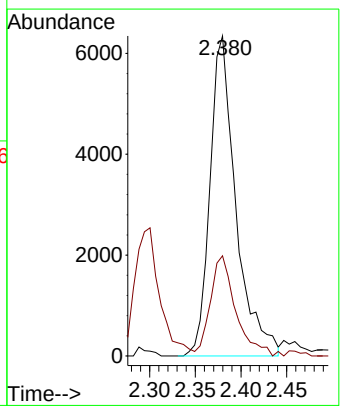


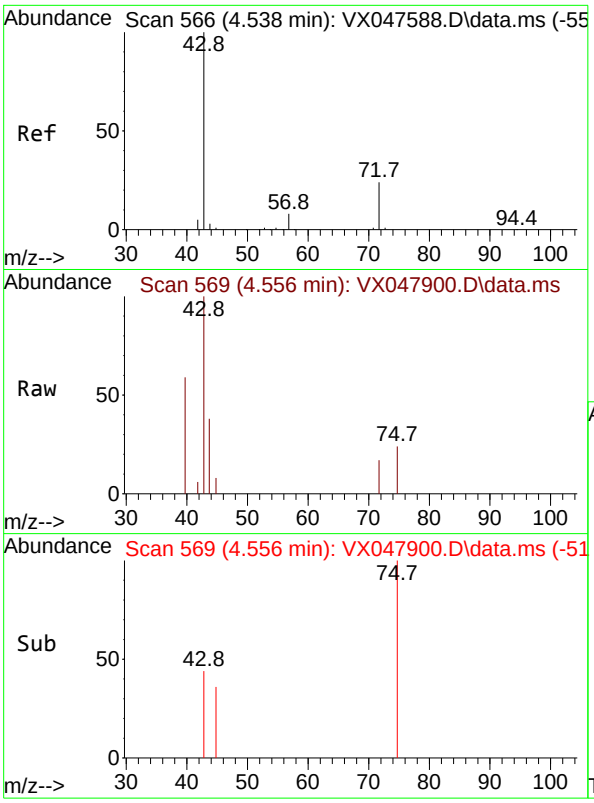


#16
Acetone
Concen: 13.790 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047900.D
Acq: 30 Sep 2025 11:27

Tgt Ion: 43 Resp: 12510

Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.4	35.0



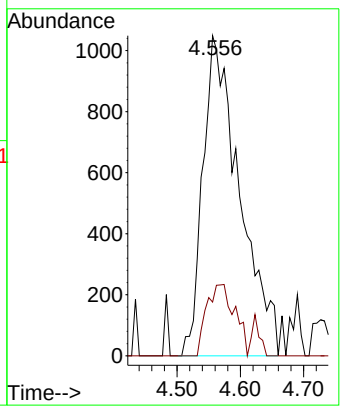


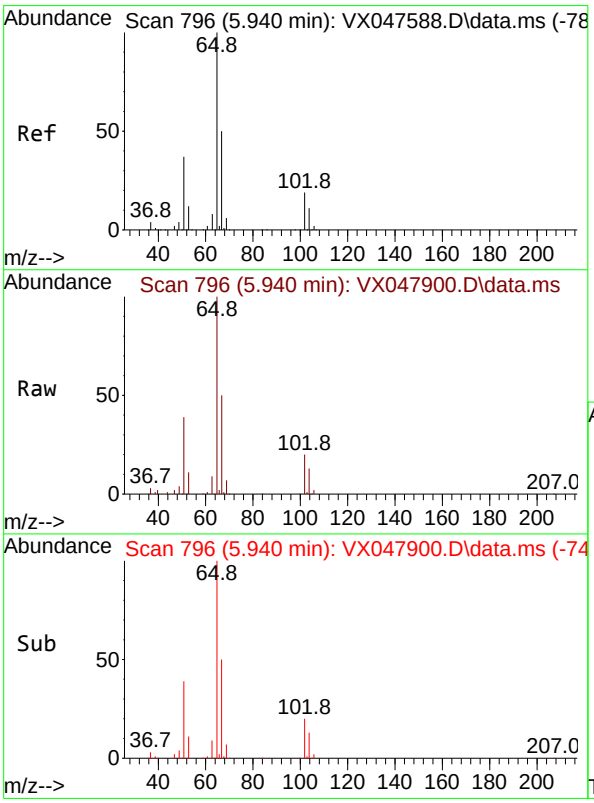
#25
2-Butanone
Concen: 3.753 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX047900.D
Acq: 30 Sep 2025 11:27

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-360-362

Tgt Ion: 43 Resp: 4247

Ion	Ratio	Lower	Upper
43	100		
72	12.2	20.1	30.1#

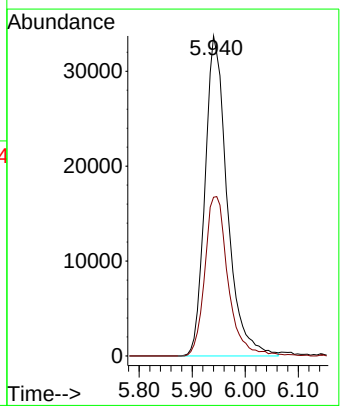


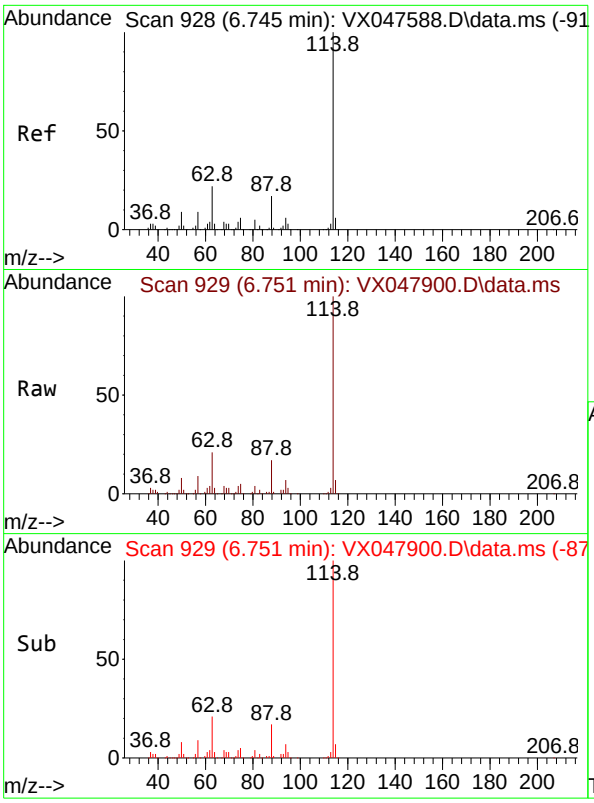


#33
1,2-Dichloroethane-d4
Concen: 46.930 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX047900.D
Acq: 30 Sep 2025 11:27

Tgt Ion: 65 Resp: 97917

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	103.0



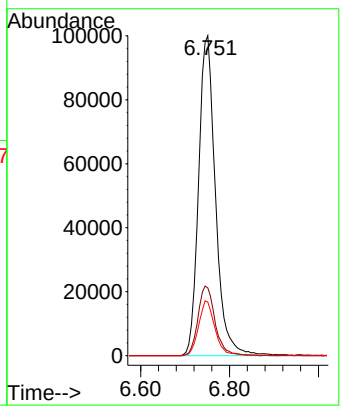


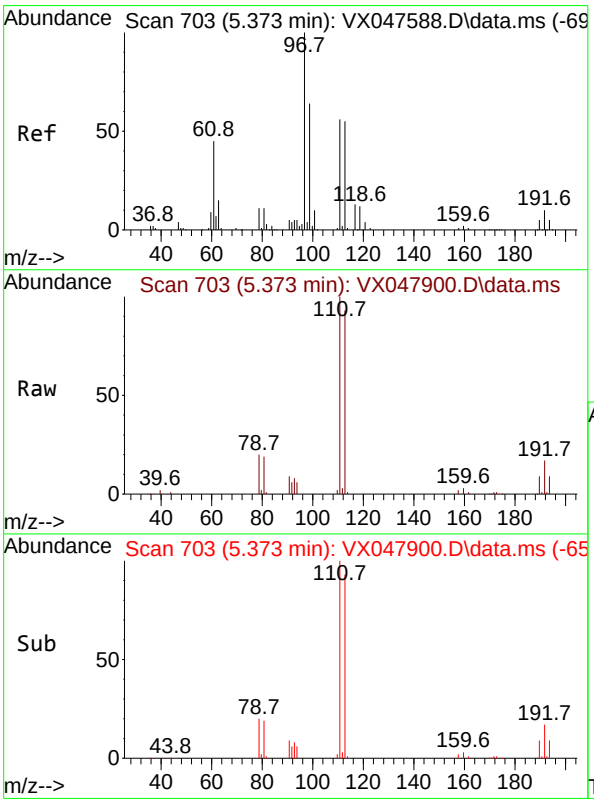
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047900.D
Acq: 30 Sep 2025 11:27

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-360-362

Tgt Ion:114 Resp: 265322

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	44.0
88	16.7	0.0	34.2

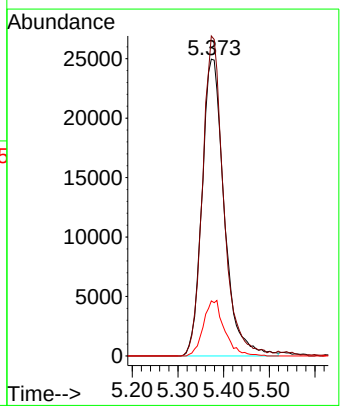


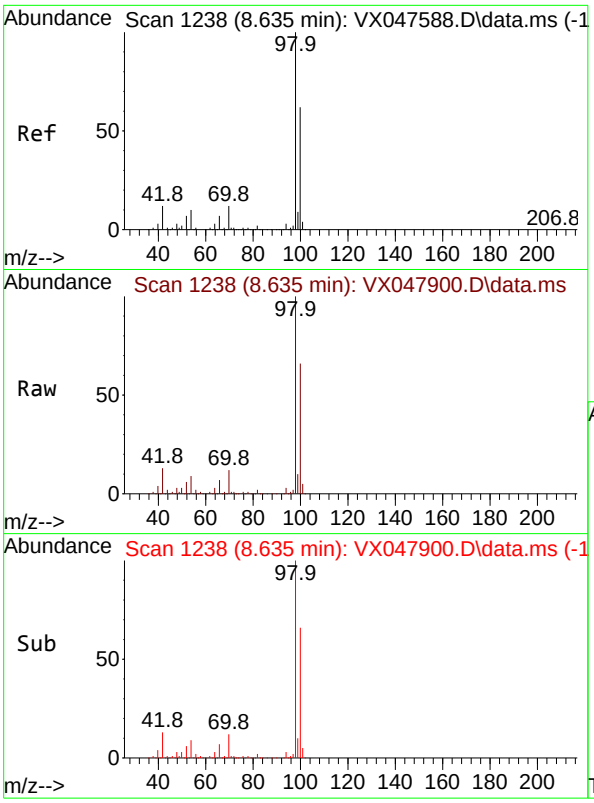


#35
Dibromofluoromethane
Concen: 47.389 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047900.D
Acq: 30 Sep 2025 11:27

Tgt Ion:113 Resp: 84323

Ion	Ratio	Lower	Upper
113	100		
111	102.2	80.9	121.3
192	17.8	14.2	21.4



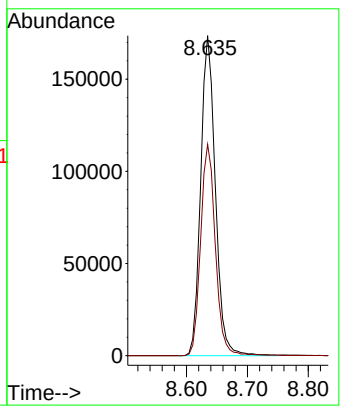


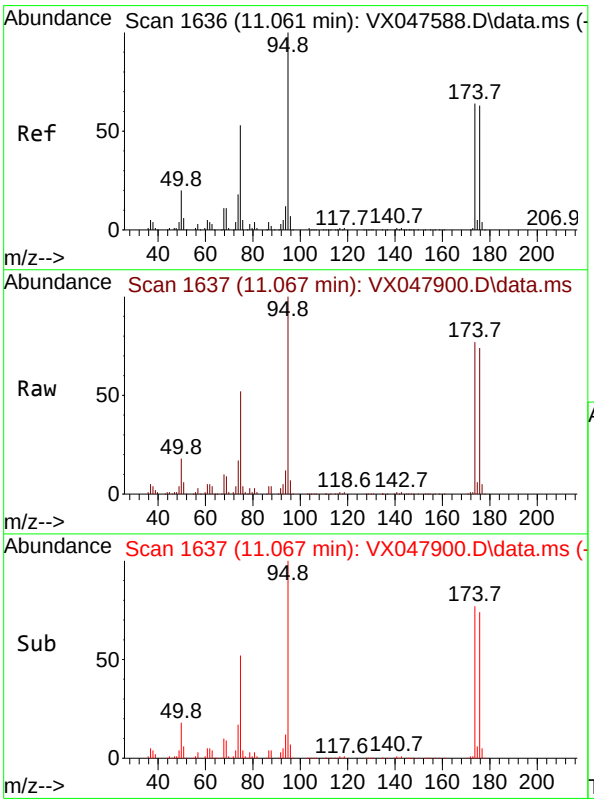
#50
Toluene-d8
Concen: 47.275 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047900.D
Acq: 30 Sep 2025 11:27

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-360-362

Tgt Ion: 98 Resp: 291076

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.4

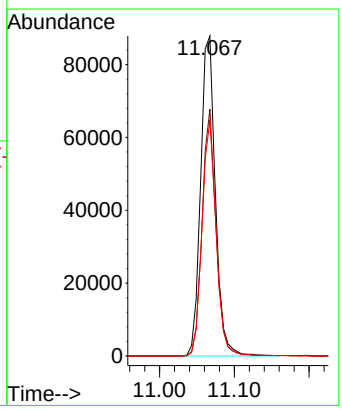


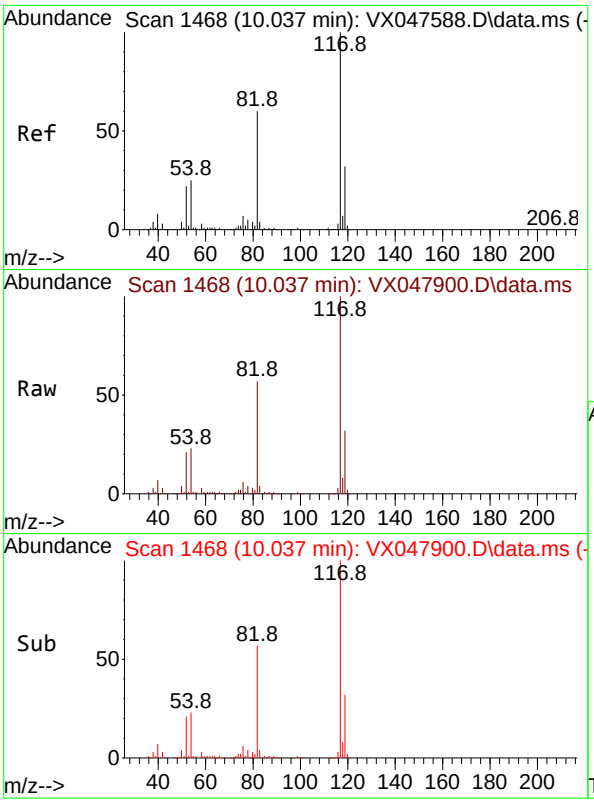


#62
4-Bromofluorobenzene
Concen: 51.495 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047900.D
Acq: 30 Sep 2025 11:27

Tgt Ion: 95 Resp: 120328

Ion	Ratio	Lower	Upper
95	100		
174	72.7	0.0	141.6
176	70.5	0.0	138.4



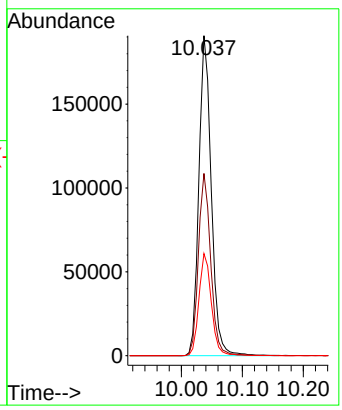


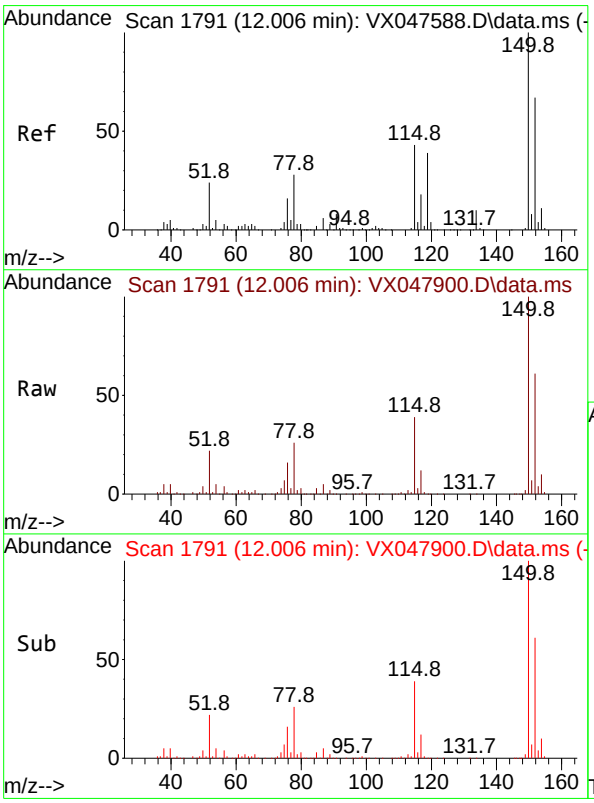
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047900.D
Acq: 30 Sep 2025 11:27

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-360-362

Tgt Ion:117 Resp: 269226

Ion	Ratio	Lower	Upper
117	100		
82	57.0	47.8	71.6
119	31.9	25.2	37.8

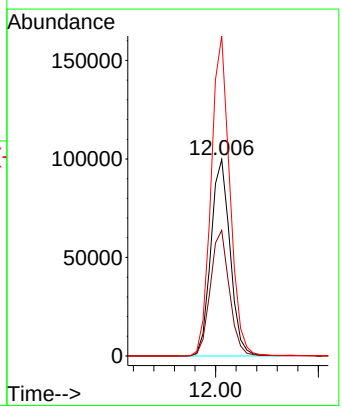




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047900.D
Acq: 30 Sep 2025 11:27

Tgt Ion:152 Resp: 129059

Ion	Ratio	Lower	Upper
152	100		
115	63.7	44.9	134.5
150	159.3	0.0	352.0



Sample Results: **VX047900.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047900.D
Acq On : 30 Sep 2025 11:27
Operator : JC/MD
Sample : Q3213-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-360-362

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Title : SW846 8260

Signal : TIC: VX047900.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.459	57	61	69	rBV	17028	21725	2.58%	0.458%
2	2.380	206	212	222	rVV	9541	18276	2.17%	0.385%
3	4.227	508	515	525	rBV3	5056	14964	1.78%	0.316%
4	5.373	692	703	720	rBV4	84556	274090	32.60%	5.780%
5	5.538	720	730	749	rVB	126452	399306	47.49%	8.421%
6	5.940	785	796	827	rBV	90119	273168	32.49%	5.761%
7	6.751	919	929	948	rBV	237522	633190	75.30%	13.354%
8	7.568	1058	1063	1072	rBV2	5903	14403	1.71%	0.304%
9	8.635	1231	1238	1257	rBV	465658	785535	93.42%	16.567%
10	9.019	1297	1301	1310	rVB	4696	8693	1.03%	0.183%
11	9.506	1376	1381	1391	rBV2	10372	17491	2.08%	0.369%
12	10.037	1462	1468	1485	rBV	593953	840882	100.00%	17.734%
13	10.842	1595	1600	1606	rBV2	9620	14855	1.77%	0.313%
14	11.067	1631	1637	1652	rBV	419766	573349	68.18%	12.092%
15	11.463	1695	1702	1713	rVB6	4963	13306	1.58%	0.281%
16	12.006	1785	1791	1800	rBV	624536	817119	97.17%	17.233%
17	12.317	1837	1842	1849	rBV2	7206	9880	1.17%	0.208%
18	13.707	2066	2070	2074	rVB2	8877	11459	1.36%	0.242%

Sum of corrected areas: 4741691

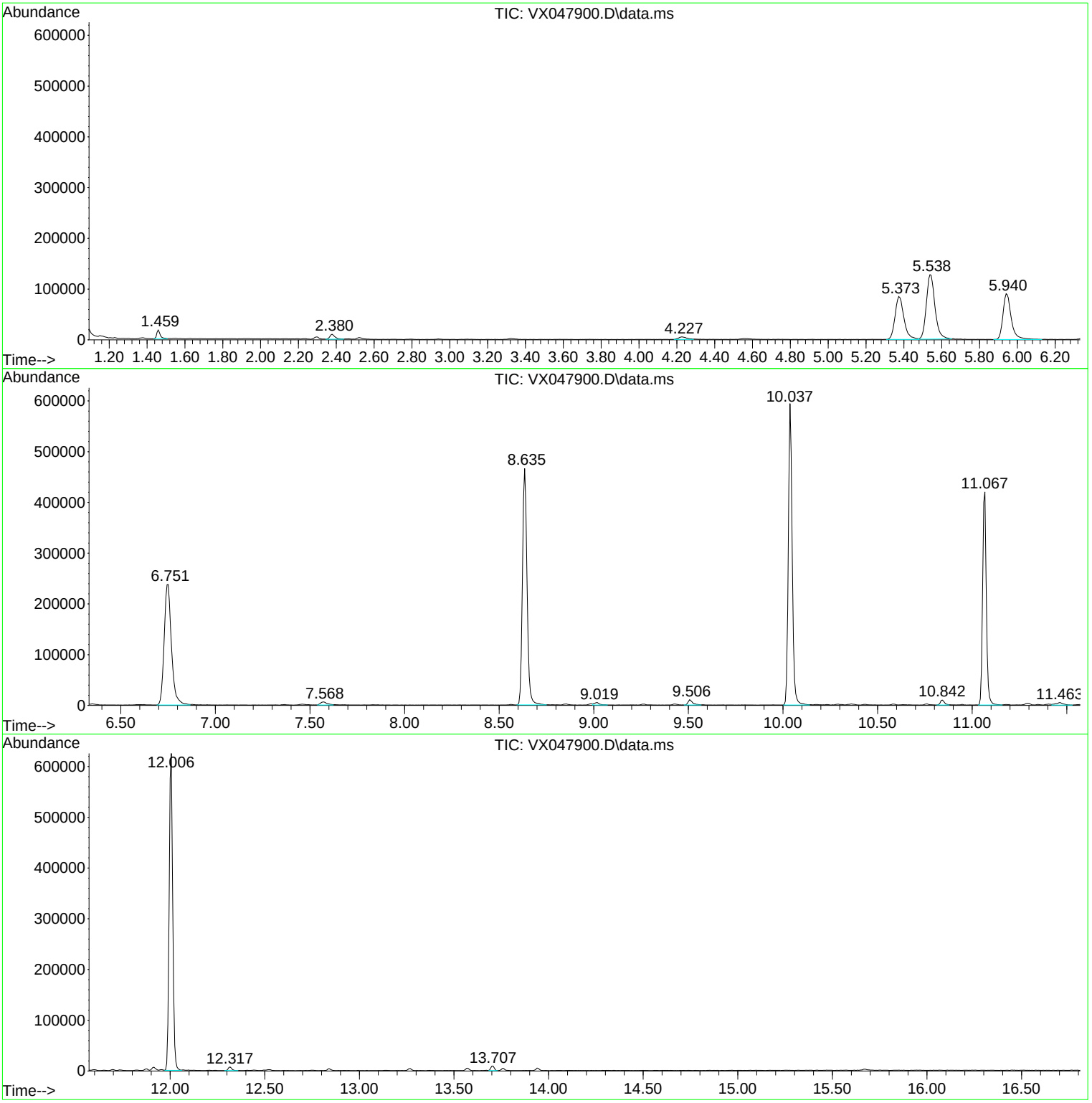
Sample Results: **VX047900.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047900.D
Acq On : 30 Sep 2025 11:27
Operator : JC/MD
Sample : Q3213-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-360-362

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX047900.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047900.D
Acq On : 30 Sep 2025 11:27
Operator : JC/MD
Sample : Q3213-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-360-362

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047900.D
Acq On : 30 Sep 2025 11:27
Operator : JC/MD
Sample : Q3213-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-360-362

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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: **VX047888.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/23/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-GW-380-382	SDG No.:	Q3213
Lab Sample ID:	Q3213-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047888.D	1	09/29/25 16:44	VX092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.59	J	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	6.40		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.24	J	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Raw Data: **VX047888.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/23/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-GW-380-382	SDG No.:	Q3213
Lab Sample ID:	Q3213-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047888.D	1	09/29/25 16:44	VX092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.1		81 - 118		114%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	48.6		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.4		85 - 114		113%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	134000	5.544				
540-36-3	1,4-Difluorobenzene	285000	6.751				
3114-55-4	Chlorobenzene-d5	296000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	153000	12.006				
TENTATIVE IDENTIFIED COMPOUNDS							

Raw Data: **VX047888.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/23/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-GW-380-382	SDG No.:	Q3213
Lab Sample ID:	Q3213-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047888.D	1	09/29/25 16:44	VX092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
75-43-4	Dichlorofluoromethane	N.D					

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047888.D
Acq On : 29 Sep 2025 16:44
Operator : JC/MD
Sample : Q3213-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-380-382

Quant Time: Sep 30 01:23:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

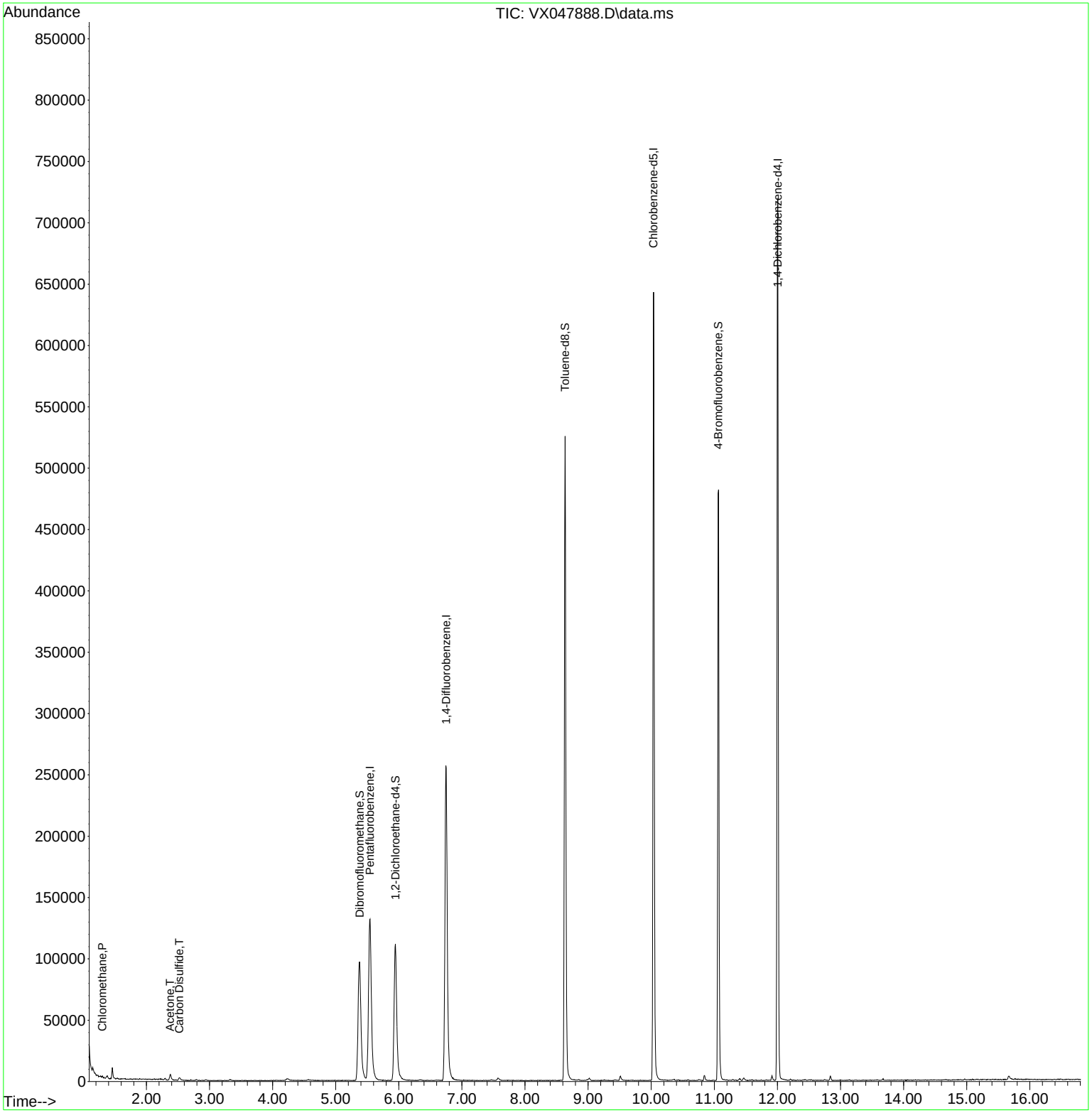
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	133701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	285495	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	296119	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	153022	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	121464	57.074	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.140%			
35) Dibromofluoromethane	5.379	113	96700	50.504	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.000%			
50) Toluene-d8	8.635	98	321663	48.551	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.100%			
62) 4-Bromofluorobenzene	11.061	95	141912	56.440	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.880%			
Target Compounds						Qvalue
3) Chloromethane	1.301	50	1081	0.594	ug/l	96
16) Acetone	2.374	43	5941	6.420	ug/l	99
17) Carbon Disulfide	2.520	76	1044	0.240	ug/l #	82

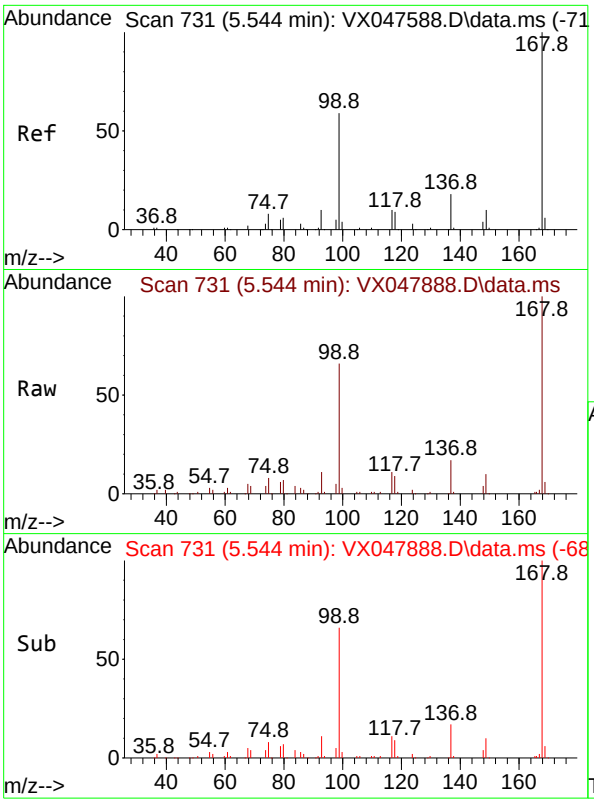
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047888.D
Acq On : 29 Sep 2025 16:44
Operator : JC/MD
Sample : Q3213-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-380-382

Quant Time: Sep 30 01:23:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



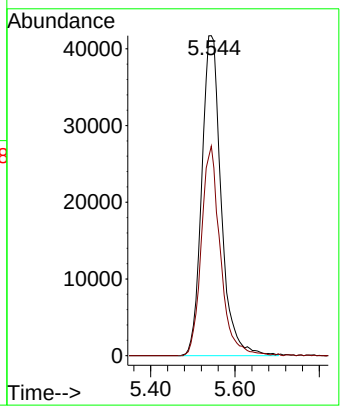


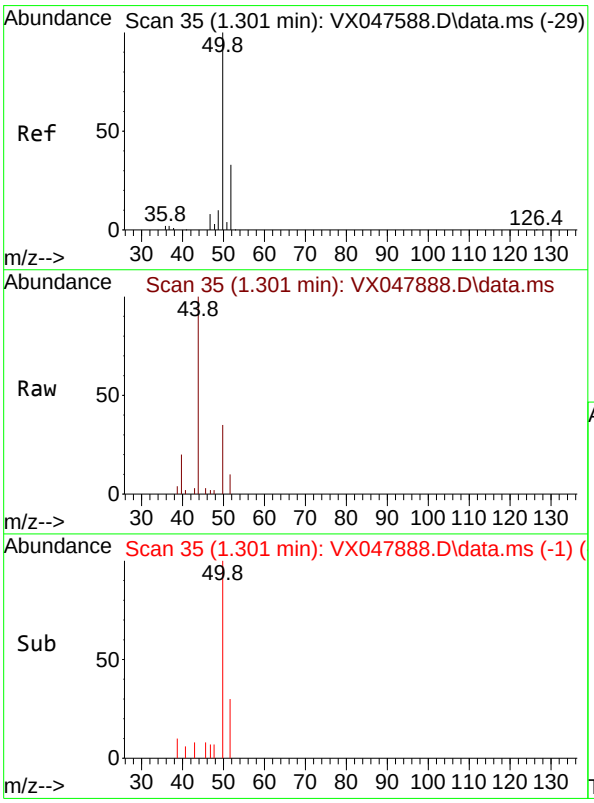
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047888.D
Acq: 29 Sep 2025 16:44

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-380-382

Tgt Ion:168 Resp: 133701

Ion	Ratio	Lower	Upper
168	100		
99	65.5	48.8	73.2

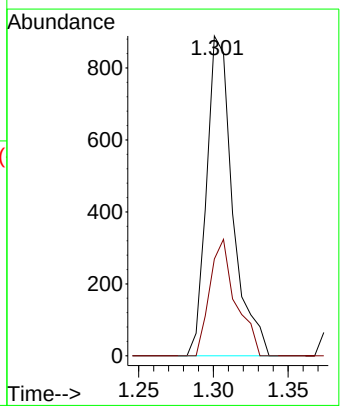


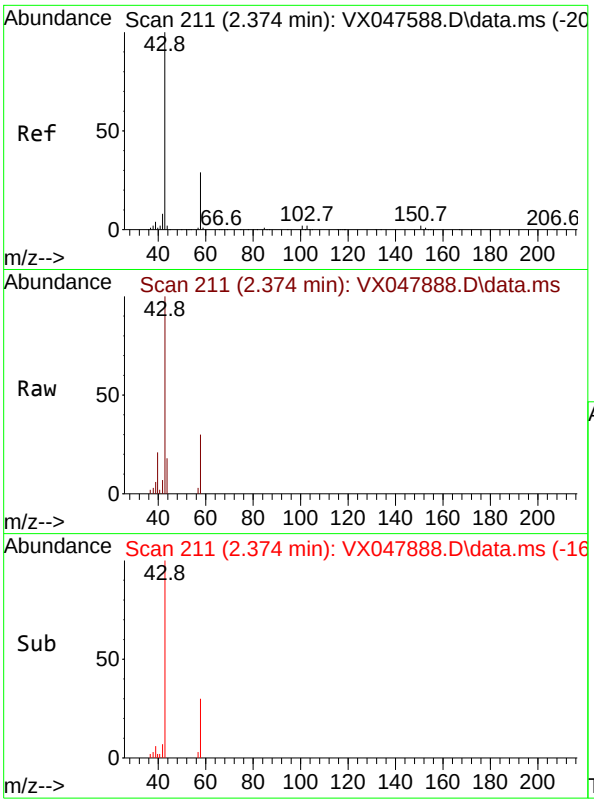


#3
Chloromethane
Concen: 0.594 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX047888.D
Acq: 29 Sep 2025 16:44

Tgt Ion: 50 Resp: 1081

Ion	Ratio	Lower	Upper
50	100		
52	30.3	26.1	39.1



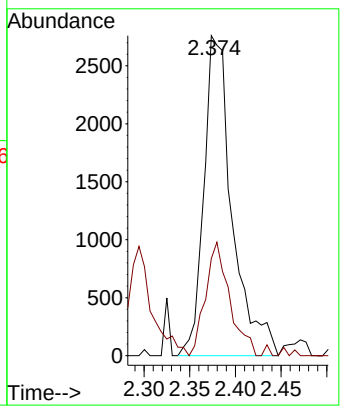


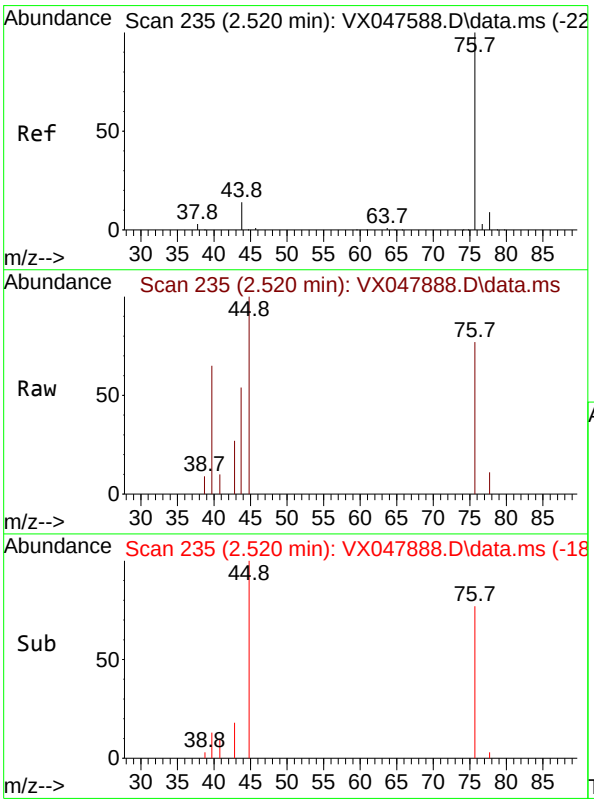
#16
Acetone
Concen: 6.420 ug/l
RT: 2.374 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX047888.D
Acq: 29 Sep 2025 16:44

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-380-382

Tgt Ion: 43 Resp: 5941

Ion	Ratio	Lower	Upper
43	100		
58	29.5	23.4	35.0

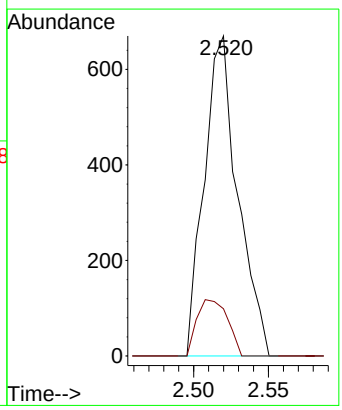


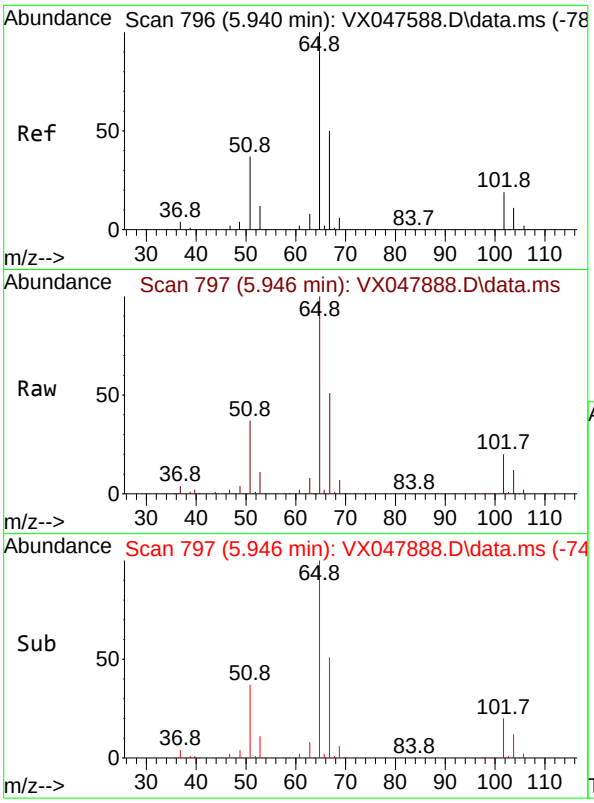


#17
Carbon Disulfide
Concen: 0.240 ug/l
RT: 2.520 min Scan# 235
Delta R.T. -0.000 min
Lab File: VX047888.D
Acq: 29 Sep 2025 16:44

Tgt Ion: 76 Resp: 1044

Ion	Ratio	Lower	Upper
76	100		
78	14.8	6.8	10.2#



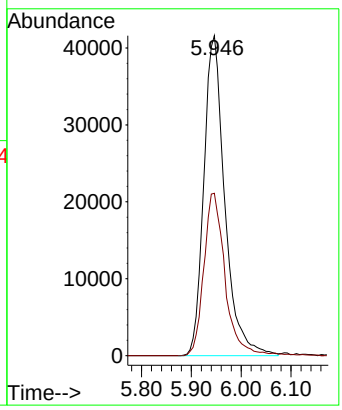


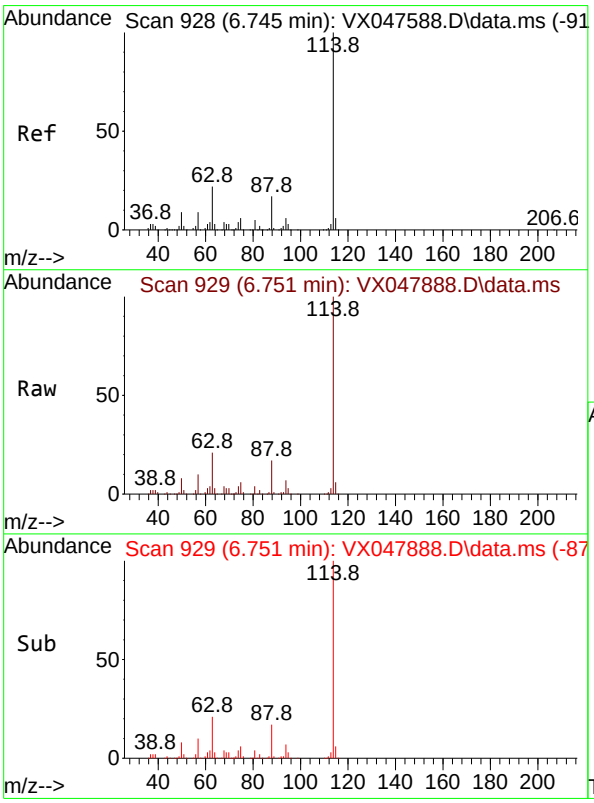
#33
1,2-Dichloroethane-d4
Concen: 57.074 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047888.D
Acq: 29 Sep 2025 16:44

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-380-382

Tgt Ion: 65 Resp: 121464

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	103.0

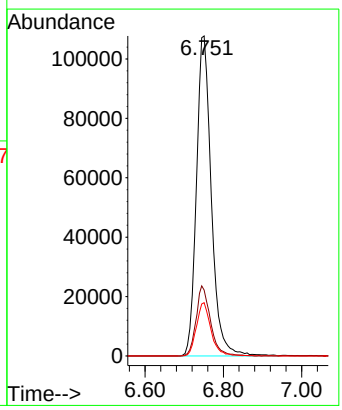


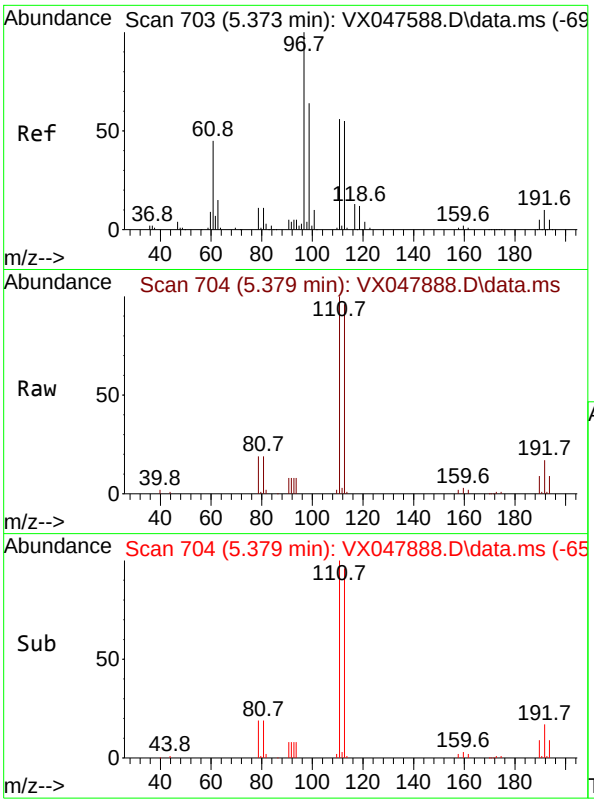


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047888.D
Acq: 29 Sep 2025 16:44

Tgt Ion:114 Resp: 285495

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	44.0
88	16.6	0.0	34.2



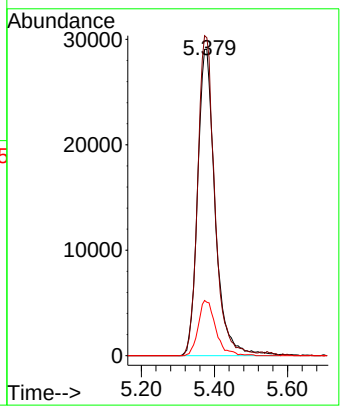


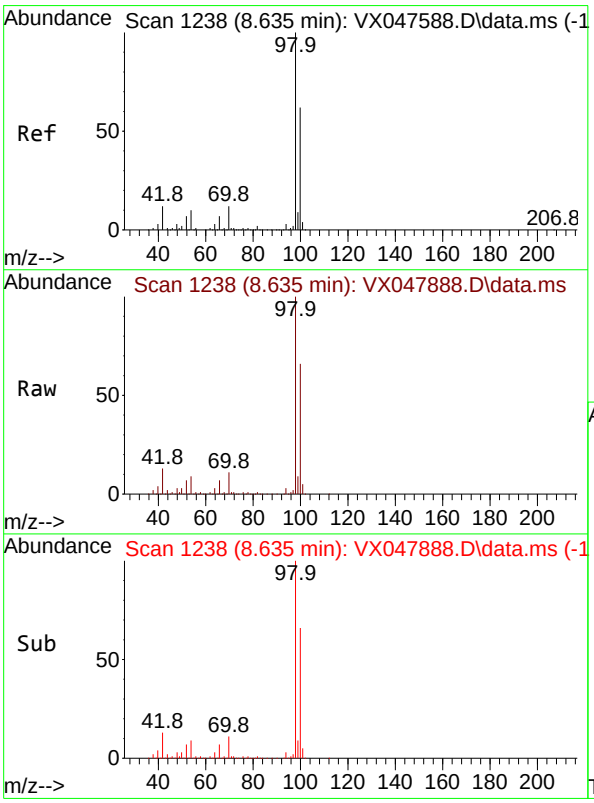
#35
Dibromofluoromethane
Concen: 50.504 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047888.D
Acq: 29 Sep 2025 16:44

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-380-382

Tgt Ion:113 Resp: 96700

Ion	Ratio	Lower	Upper
113	100		
111	101.5	80.9	121.3
192	18.0	14.2	21.4

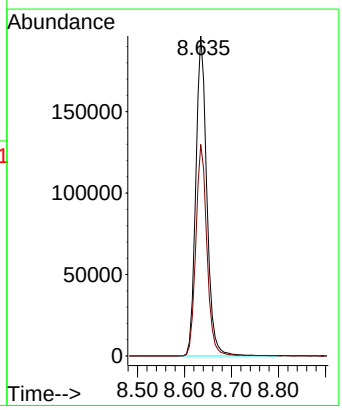


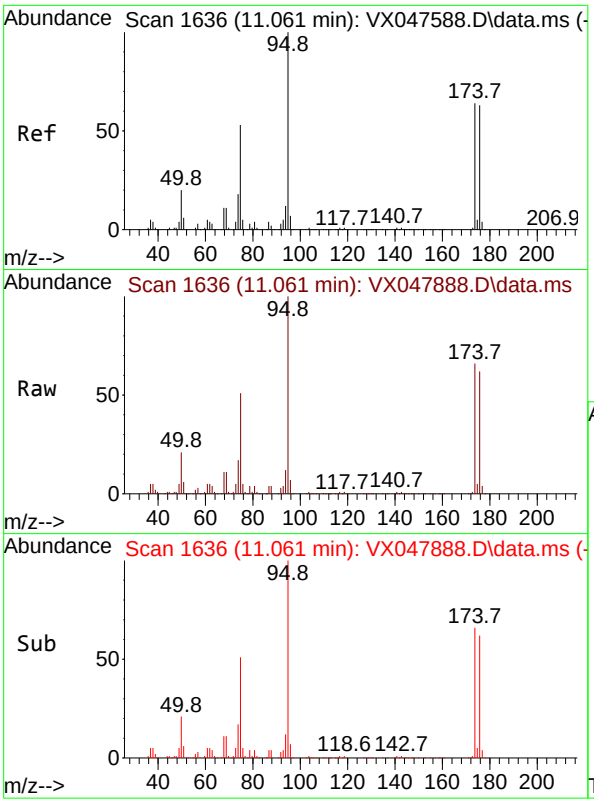


#50
Toluene-d8
Concen: 48.551 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047888.D
Acq: 29 Sep 2025 16:44

Tgt Ion: 98 Resp: 321663

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.4



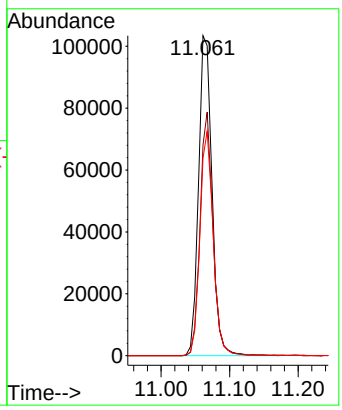


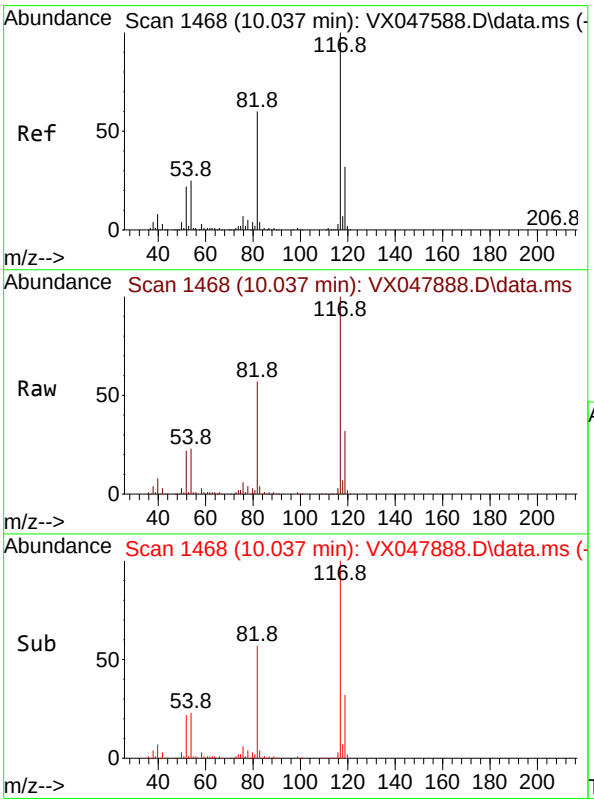
#62
4-Bromofluorobenzene
Concen: 56.440 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047888.D
Acq: 29 Sep 2025 16:44

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-380-382

Tgt Ion: 95 Resp: 141912

Ion	Ratio	Lower	Upper
95	100		
174	72.8	0.0	141.6
176	69.1	0.0	138.4

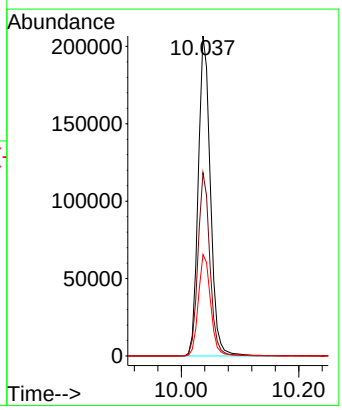


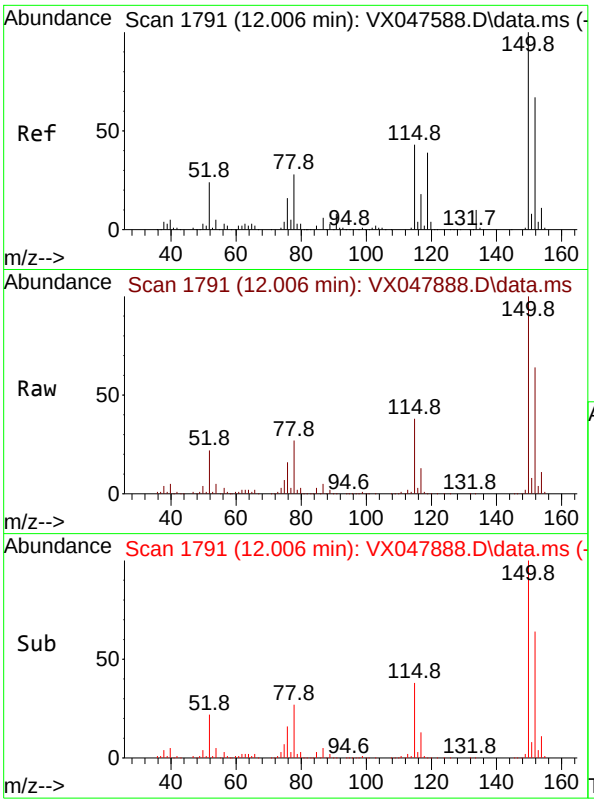


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047888.D
Acq: 29 Sep 2025 16:44

Tgt Ion:117 Resp: 296119

Ion	Ratio	Lower	Upper
117	100		
82	57.3	47.8	71.6
119	31.7	25.2	37.8



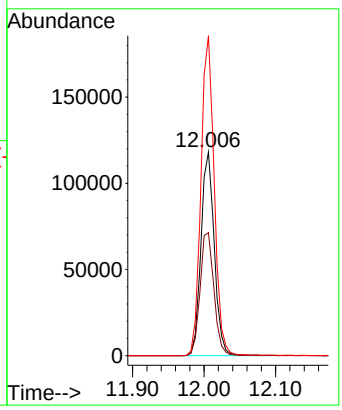


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047888.D
Acq: 29 Sep 2025 16:44

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-380-382

Tgt Ion:152 Resp: 153022

Ion	Ratio	Lower	Upper
152	100		
115	62.9	44.9	134.5
150	156.5	0.0	352.0



Sample Results: **VX047888.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047888.D
Acq On : 29 Sep 2025 16:44
Operator : JC/MD
Sample : Q3213-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-380-382

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Title : SW846 8260

Signal : TIC: VX047888.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.148	8	10	19	rVB2	6586	12110	1.27%	0.234%
2	1.459	58	61	66	rBV	8983	10210	1.07%	0.197%
3	5.379	692	704	720	rBV2	96589	314550	32.95%	6.082%
4	5.544	720	731	754	rVB	131202	417011	43.68%	8.064%
5	5.946	786	797	818	rBV2	111203	327523	34.31%	6.333%
6	6.745	919	928	946	rBV	256927	674622	70.67%	13.045%
7	8.635	1231	1238	1260	rBV	525136	870631	91.20%	16.835%
8	10.037	1462	1468	1485	rBV	642303	916441	96.00%	17.721%
9	11.067	1631	1637	1651	rBV	481629	673849	70.59%	13.030%
10	12.006	1785	1791	1800	rBV	718674	954622	100.00%	18.459%

Sum of corrected areas: 5171569

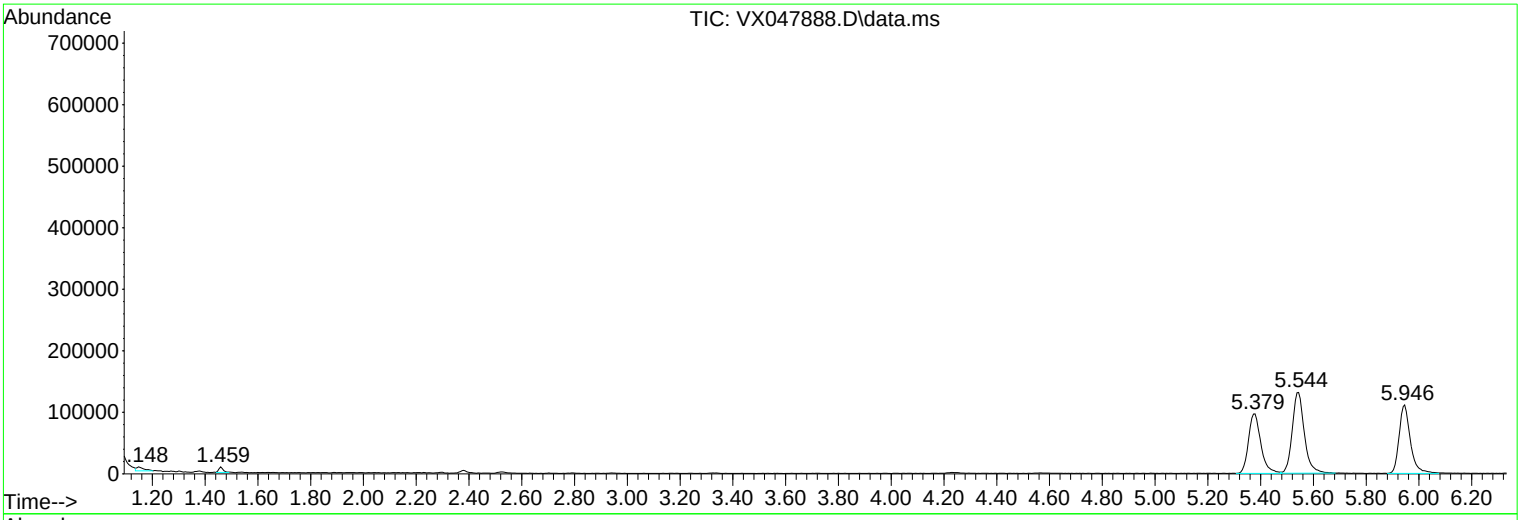
Sample Results: **VX047888.D**

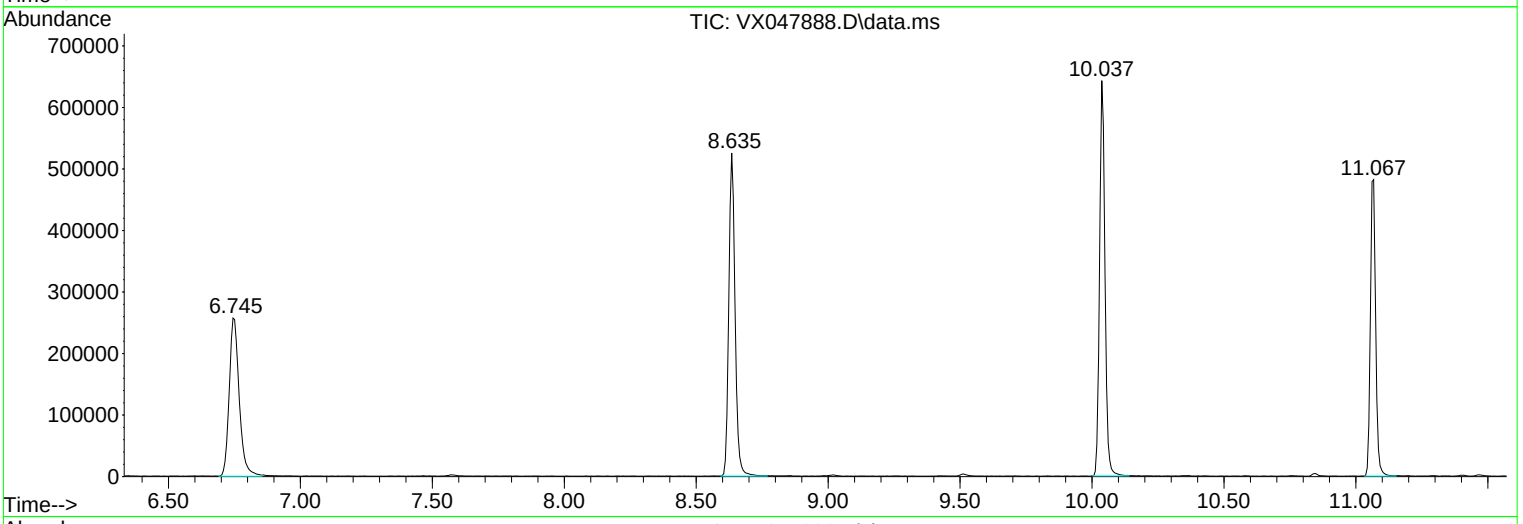
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047888.D
Acq On : 29 Sep 2025 16:44
Operator : JC/MD
Sample : Q3213-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

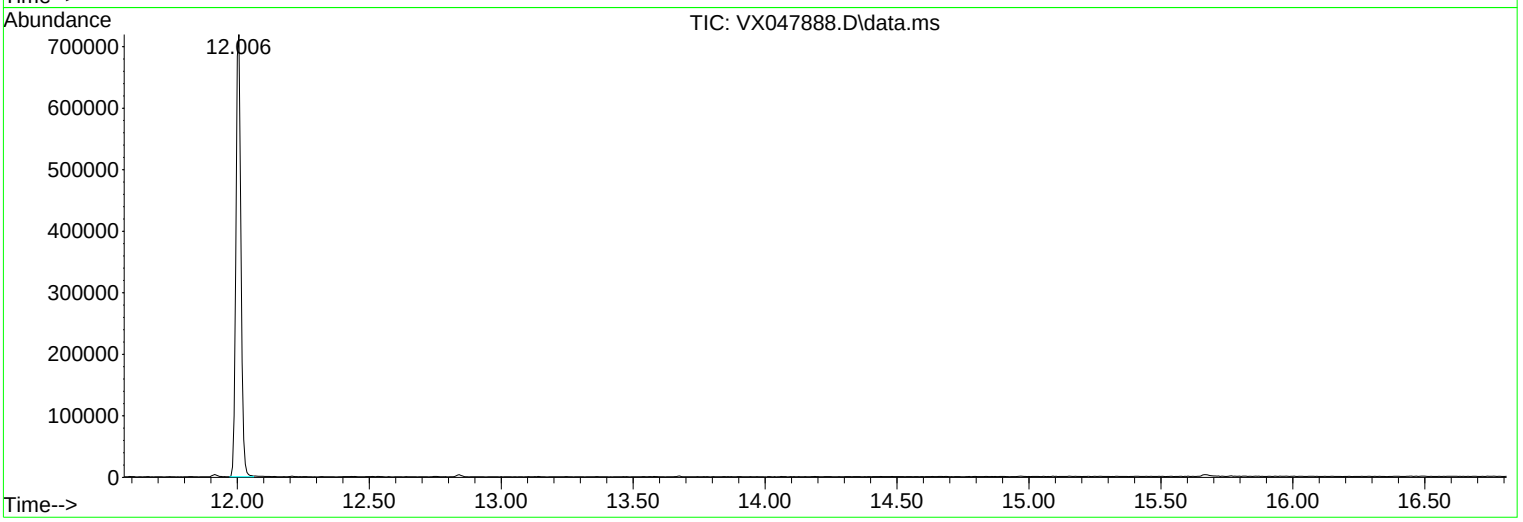
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-380-382

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VX047888.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047888.D
Acq On : 29 Sep 2025 16:44
Operator : JC/MD
Sample : Q3213-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-380-382

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Sample Results: **VX047888.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047888.D
Acq On : 29 Sep 2025 16:44
Operator : JC/MD
Sample : Q3213-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-380-382

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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:	Tetra Tech NUS, Inc.	Date Collected:	09/24/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-GW-400-402	SDG No.:	Q3213
Lab Sample ID:	Q3213-07	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047889.D	1	09/29/25 17:05	VX092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	4.30	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/24/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-GW-400-402	SDG No.:	Q3213
Lab Sample ID:	Q3213-07	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047889.D	1	09/29/25 17:05	VX092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.0		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	49.7		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.9		85 - 114		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	188000	5.544				
540-36-3	1,4-Difluorobenzene	394000	6.751				
3114-55-4	Chlorobenzene-d5	400000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	195000	12.006				
TENTATIVE IDENTIFIED COMPOUNDS							

Raw Data: **VX047889.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/24/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-GW-400-402	SDG No.:	Q3213
Lab Sample ID:	Q3213-07	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047889.D	1	09/29/25 17:05	VX092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
75-43-4	Dichlorofluoromethane	N.D					

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047889.D
Acq On : 29 Sep 2025 17:05
Operator : JC/MD
Sample : Q3213-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-400-402

Quant Time: Sep 30 01:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

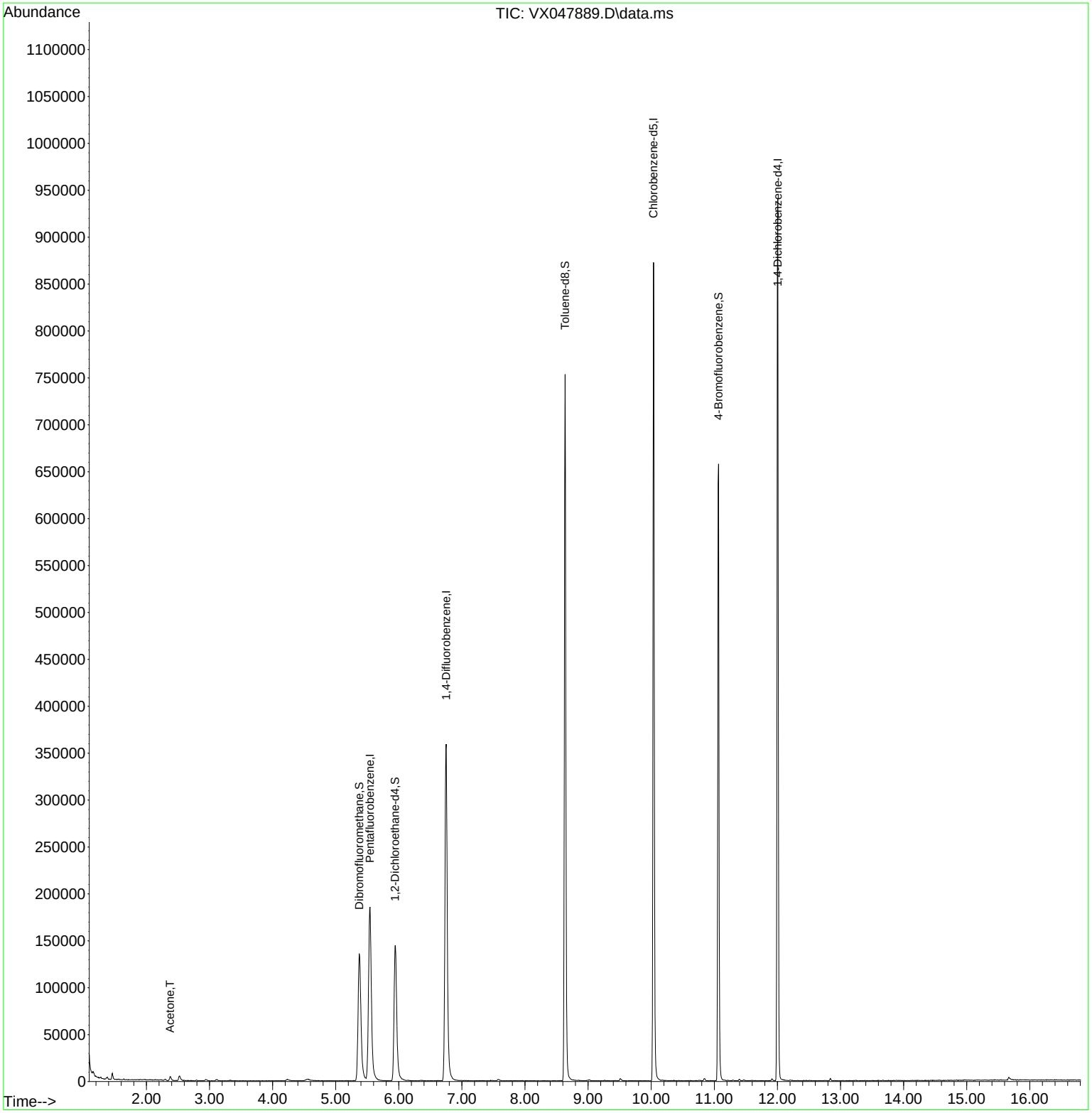
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	187752	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	393964	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	400100	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	194810	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	158327	52.978	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.960%			
35) Dibromofluoromethane	5.373	113	134608	50.947	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.900%			
50) Toluene-d8	8.635	98	454743	49.740	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.480%			
62) 4-Bromofluorobenzene	11.067	95	190319	54.852	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.700%			
Target Compounds						Qvalue
16) Acetone	2.374	43	5584	4.297	ug/l	100

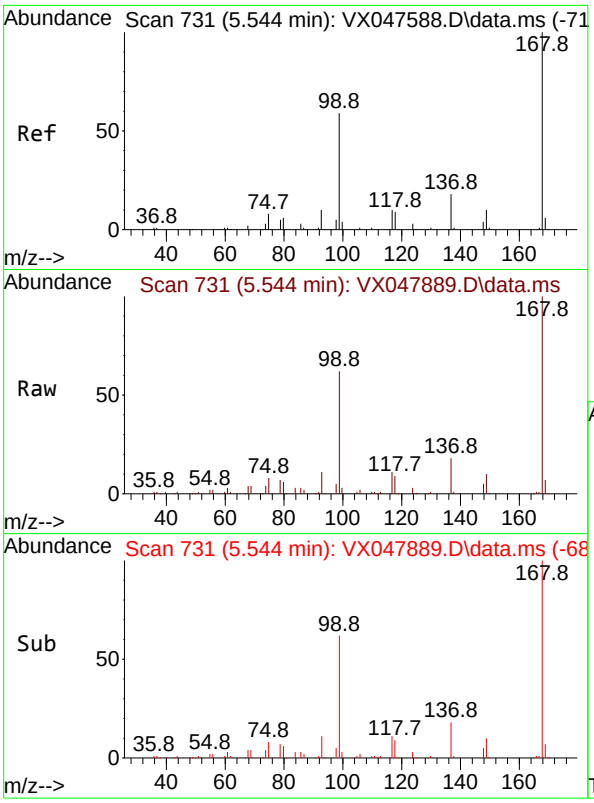
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047889.D
Acq On : 29 Sep 2025 17:05
Operator : JC/MD
Sample : Q3213-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-400-402

Quant Time: Sep 30 01:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



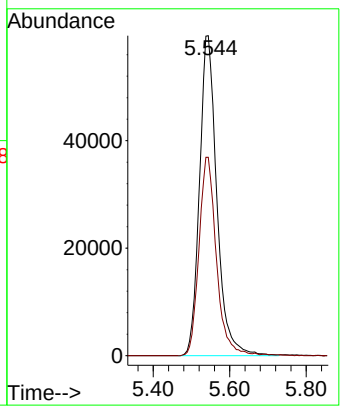


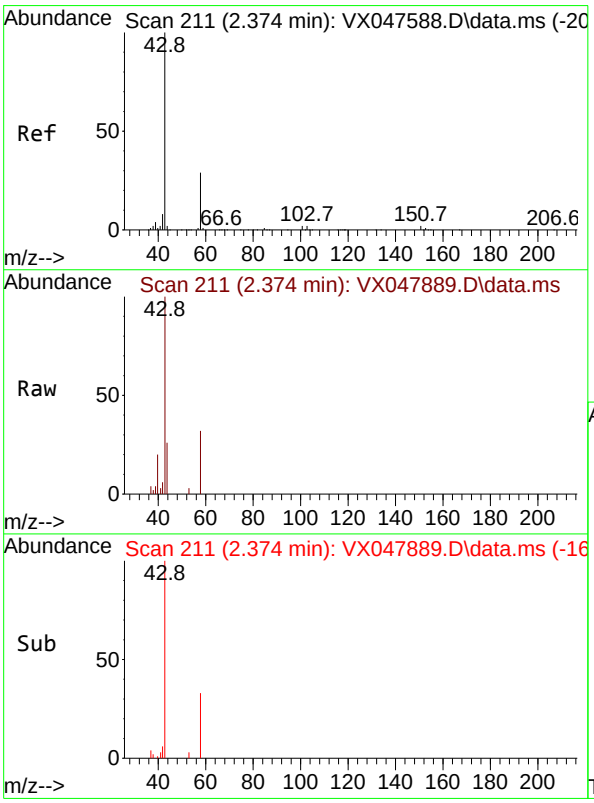
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047889.D
Acq: 29 Sep 2025 17:05

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-400-402

Tgt Ion:168 Resp: 187752

Ion	Ratio	Lower	Upper
168	100		
99	62.0	48.8	73.2

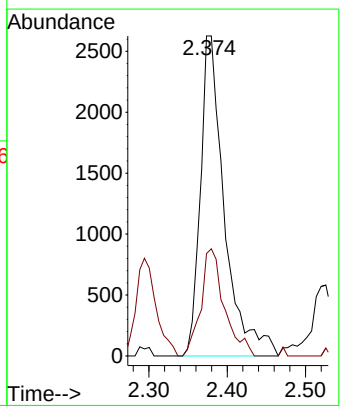


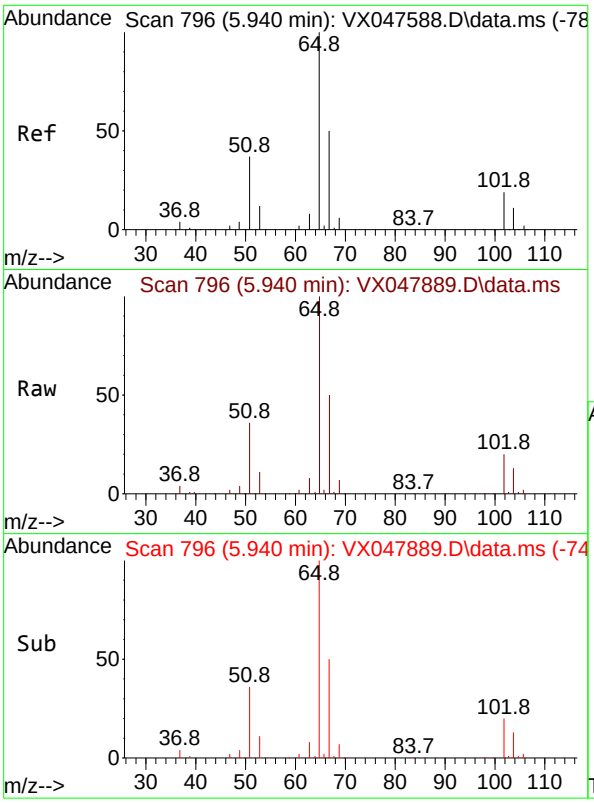


#16
Acetone
Concen: 4.297 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047889.D
Acq: 29 Sep 2025 17:05

Tgt Ion: 43 Resp: 5584

Ion	Ratio	Lower	Upper
43	100		
58	29.0	23.4	35.0



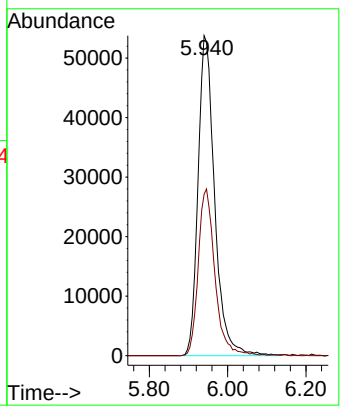


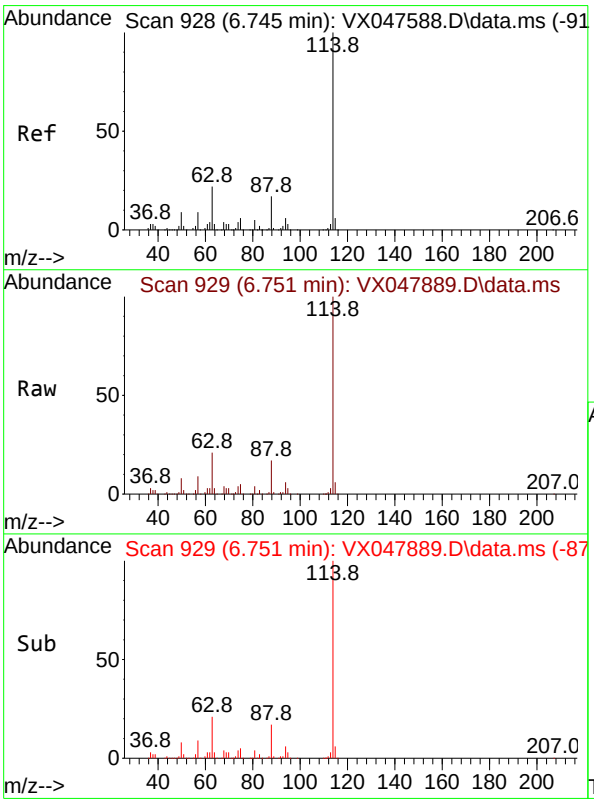
#33
1,2-Dichloroethane-d4
Concen: 52.978 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047889.D
Acq: 29 Sep 2025 17:05

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-400-402

Tgt Ion: 65 Resp: 158327

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	103.0

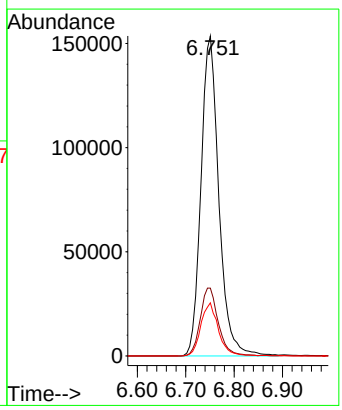


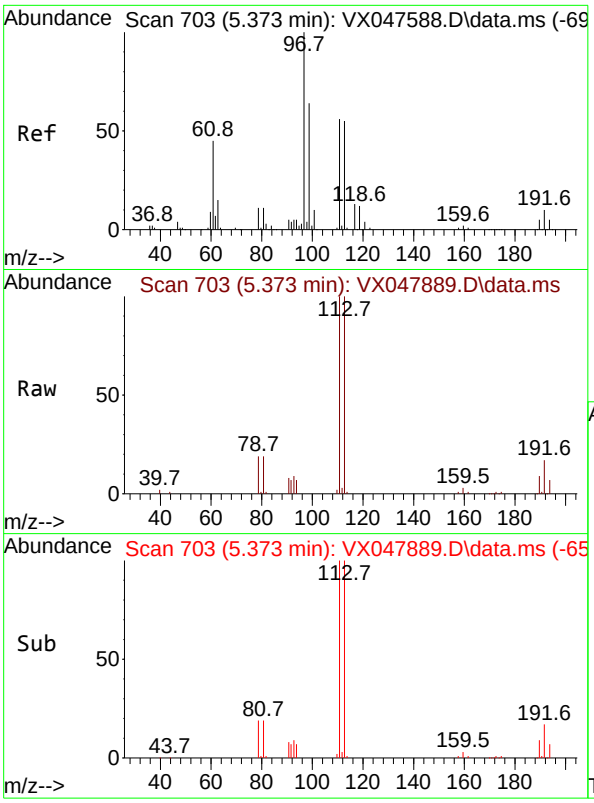


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047889.D
Acq: 29 Sep 2025 17:05

Tgt Ion:114 Resp: 393964

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	44.0
88	16.6	0.0	34.2



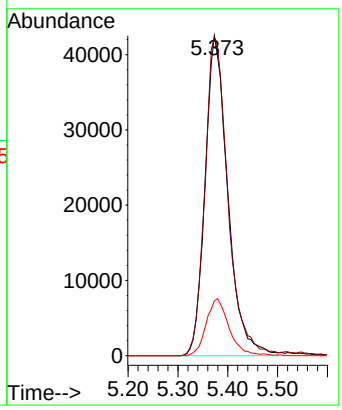


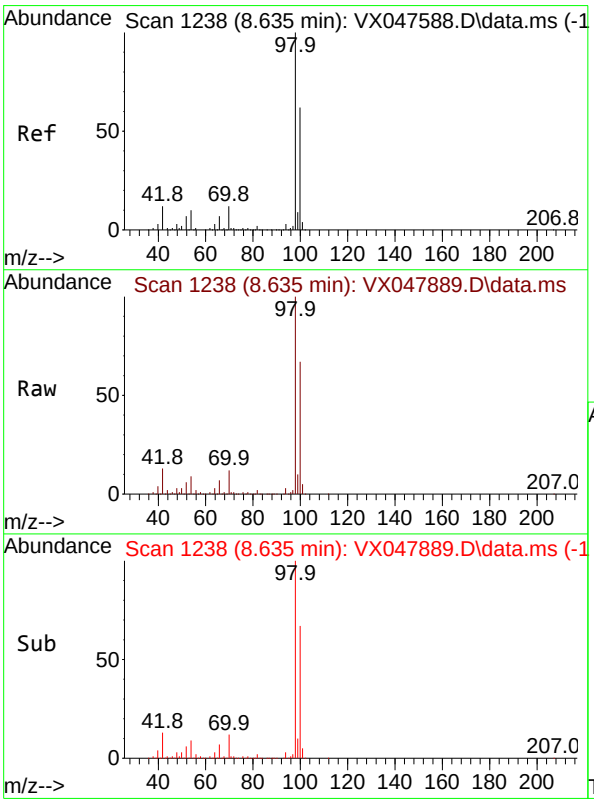
#35
Dibromofluoromethane
Concen: 50.947 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047889.D
Acq: 29 Sep 2025 17:05

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-400-402

Tgt Ion:113 Resp: 134608

Ion	Ratio	Lower	Upper
113	100		
111	101.2	80.9	121.3
192	17.9	14.2	21.4

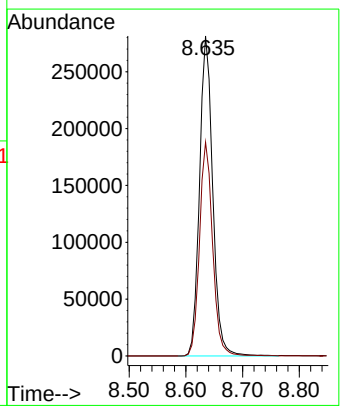


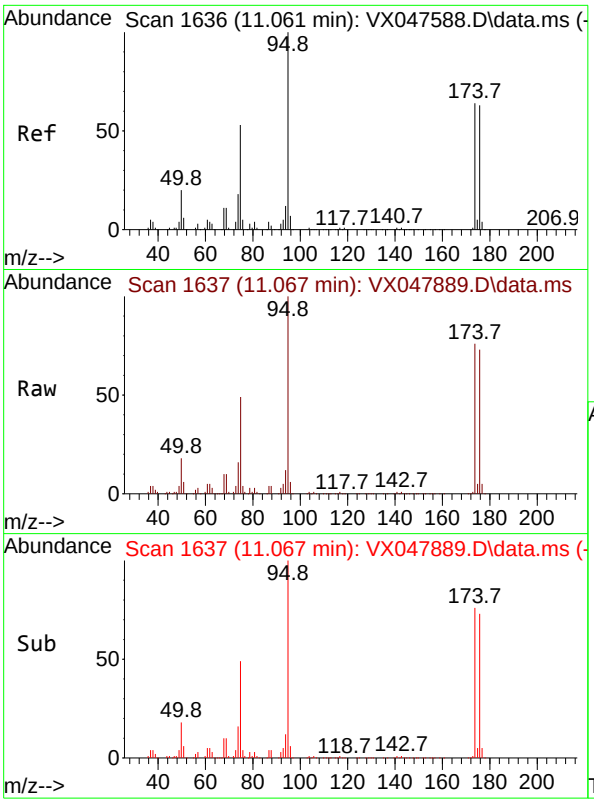


#50
Toluene-d8
Concen: 49.740 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047889.D
Acq: 29 Sep 2025 17:05

Tgt Ion: 98 Resp: 454743

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.0	79.4



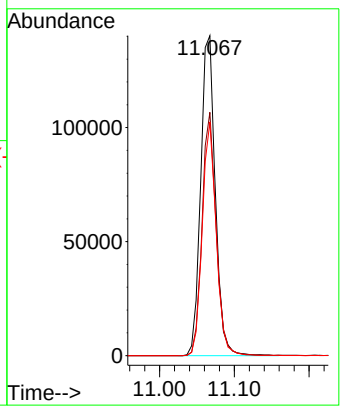


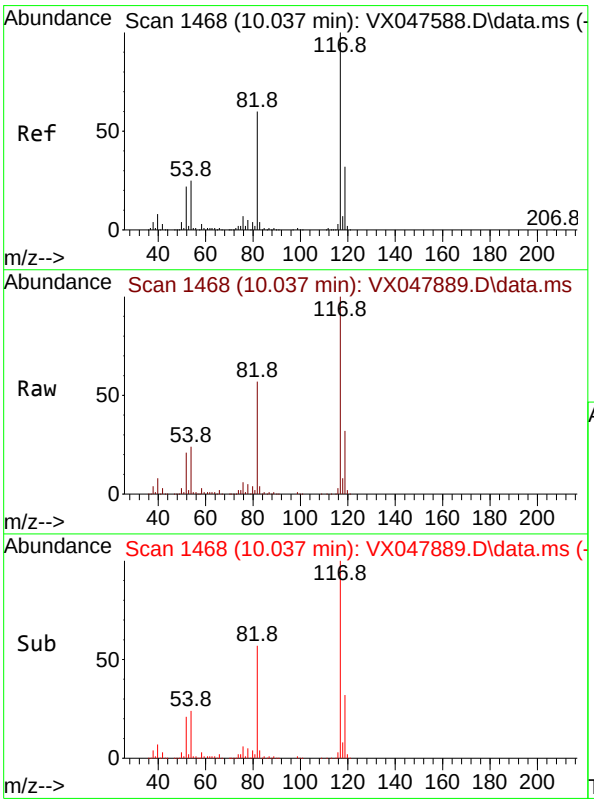
#62
4-Bromofluorobenzene
Concen: 54.852 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047889.D
Acq: 29 Sep 2025 17:05

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-400-402

Tgt Ion: 95 Resp: 190319

Ion	Ratio	Lower	Upper
95	100		
174	73.7	0.0	141.6
176	70.0	0.0	138.4

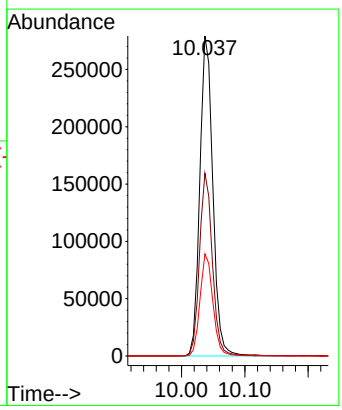


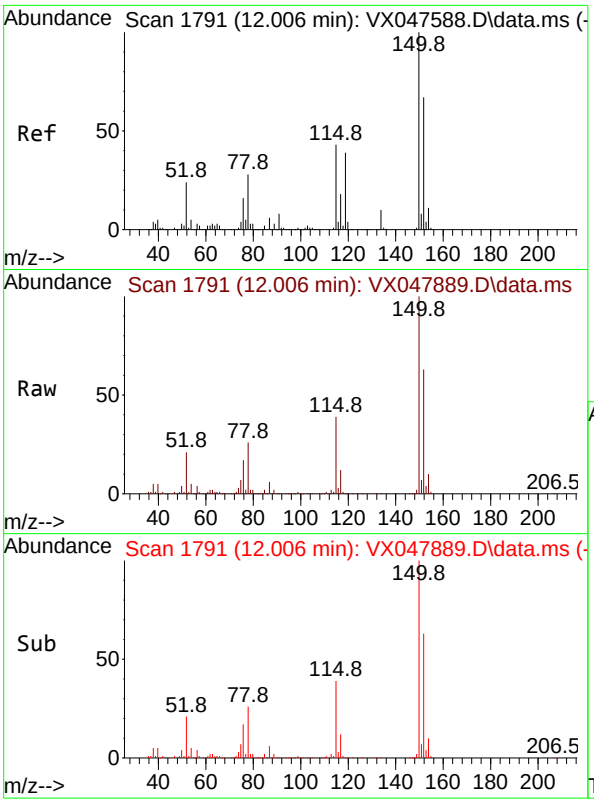


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047889.D
Acq: 29 Sep 2025 17:05

Tgt Ion:117 Resp: 400100

Ion	Ratio	Lower	Upper
117	100		
82	57.1	47.8	71.6
119	31.9	25.2	37.8



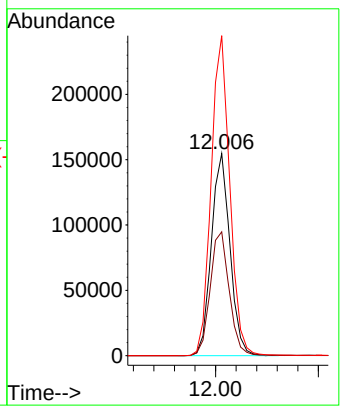


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047889.D
Acq: 29 Sep 2025 17:05

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-400-402

Tgt Ion:152 Resp: 194810

Ion	Ratio	Lower	Upper
152	100		
115	62.9	44.9	134.5
150	158.3	0.0	352.0



Sample Results: **VX047889.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047889.D
Acq On : 29 Sep 2025 17:05
Operator : JC/MD
Sample : Q3213-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-400-402

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Title : SW846 8260

Signal : TIC: VX047889.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.373	691	703	721	rBV2	135517	436244	35.13%	6.251%
2	5.544	721	731	753	rVB	184662	578418	46.58%	8.288%
3	5.946	786	797	814	rBV	144042	429665	34.60%	6.156%
4	6.751	919	929	952	rBV	359014	940403	75.73%	13.474%
5	8.635	1231	1238	1257	rBV	753270	1227539	98.85%	17.589%
6	10.037	1462	1468	1487	rBV	872371	1241835	100.00%	17.793%
7	11.067	1631	1637	1651	rBV	657413	902942	72.71%	12.938%
8	12.006	1785	1791	1803	rBV	940292	1222167	98.42%	17.512%

Sum of corrected areas: 6979213

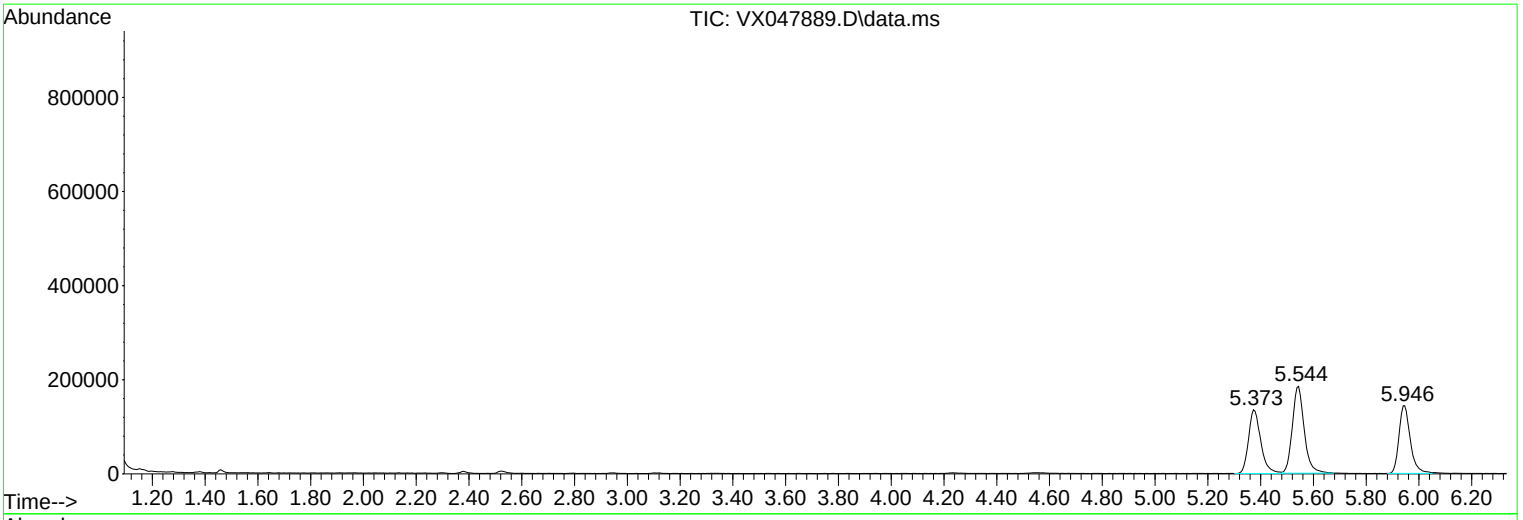
Sample Results: **VX047889.D**

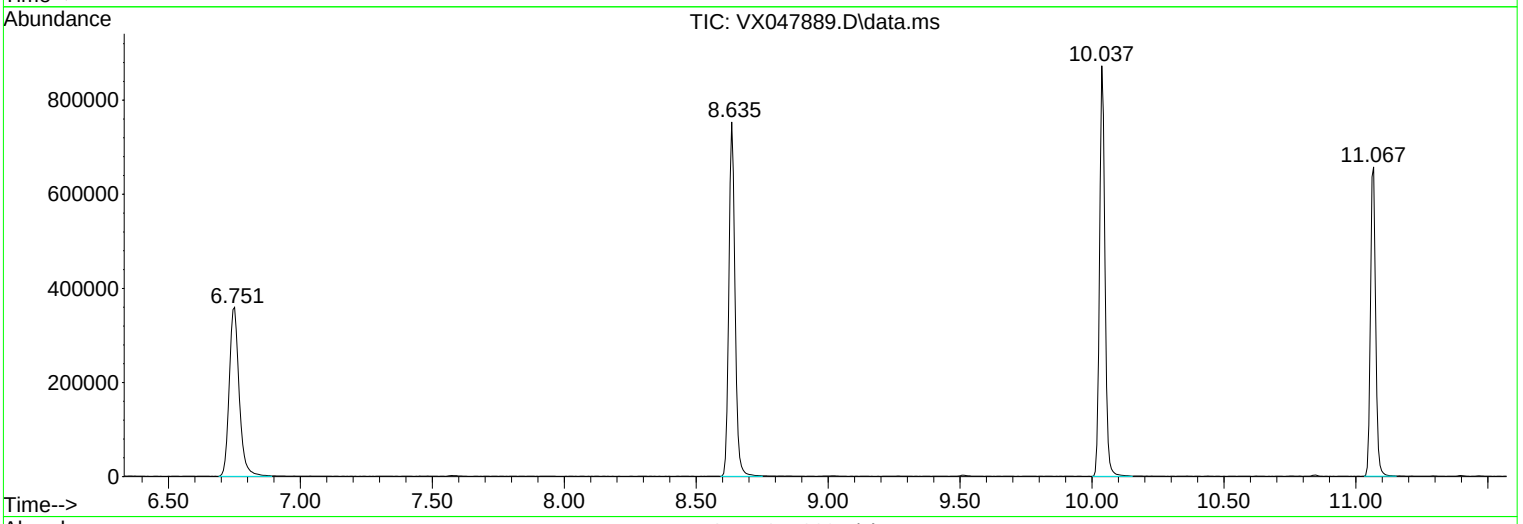
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047889.D
Acq On : 29 Sep 2025 17:05
Operator : JC/MD
Sample : Q3213-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

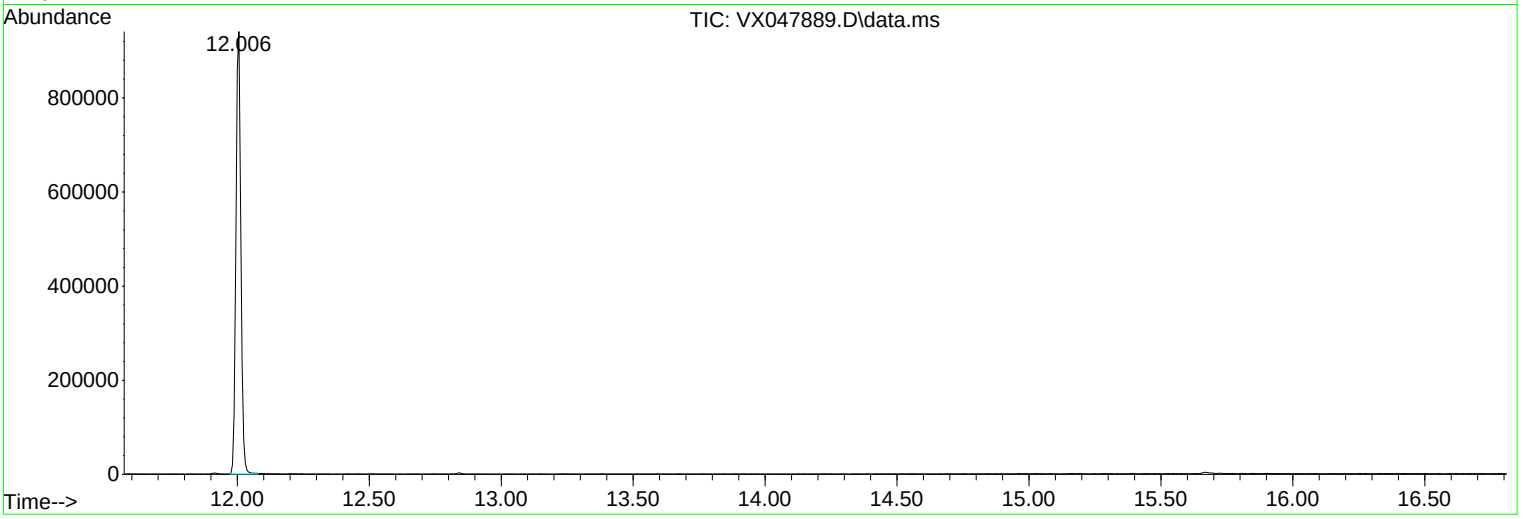
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-400-402

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VX047889.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047889.D
Acq On : 29 Sep 2025 17:05
Operator : JC/MD
Sample : Q3213-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-400-402

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047889.D
Acq On : 29 Sep 2025 17:05
Operator : JC/MD
Sample : Q3213-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-400-402

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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:	Tetra Tech NUS, Inc.	Date Collected:	09/24/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-GW-420-422	SDG No.:	Q3213
Lab Sample ID:	Q3213-08	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047890.D	1	09/29/25 17:26	VX092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.63	J	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	14.8		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.28	J	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	3.20	J	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/24/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-GW-420-422	SDG No.:	Q3213
Lab Sample ID:	Q3213-08	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047890.D	1	09/29/25 17:26	VX092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.5		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	48.6		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.5		85 - 114		111%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	129000	5.544				
540-36-3	1,4-Difluorobenzene	265000	6.751				
3114-55-4	Chlorobenzene-d5	273000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	140000	12.006				
TENTATIVE IDENTIFIED COMPOUNDS							

Raw Data: **VX047890.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/24/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-GW-420-422	SDG No.:	Q3213
Lab Sample ID:	Q3213-08	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047890.D	1	09/29/25 17:26	VX092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
75-43-4	Dichlorofluoromethane	N.D					

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047890.D
Acq On : 29 Sep 2025 17:26
Operator : JC/MD
Sample : Q3213-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-420-422

Quant Time: Sep 30 01:24:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	128773	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	265004	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	273028	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	140306	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	105554	51.496	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.000%			
35) Dibromofluoromethane	5.373	113	87688	49.339	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.680%			
50) Toluene-d8	8.635	98	298703	48.572	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.140%			
62) 4-Bromofluorobenzene	11.067	95	129436	55.459	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.920%			
Target Compounds						Qvalue
3) Chloromethane	1.300	50	1095	0.625	ug/l	97
16) Acetone	2.380	43	13227	14.841	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	1552	0.278	ug/l	100
25) 2-Butanone	4.574	43	3508	3.156	ug/l #	87

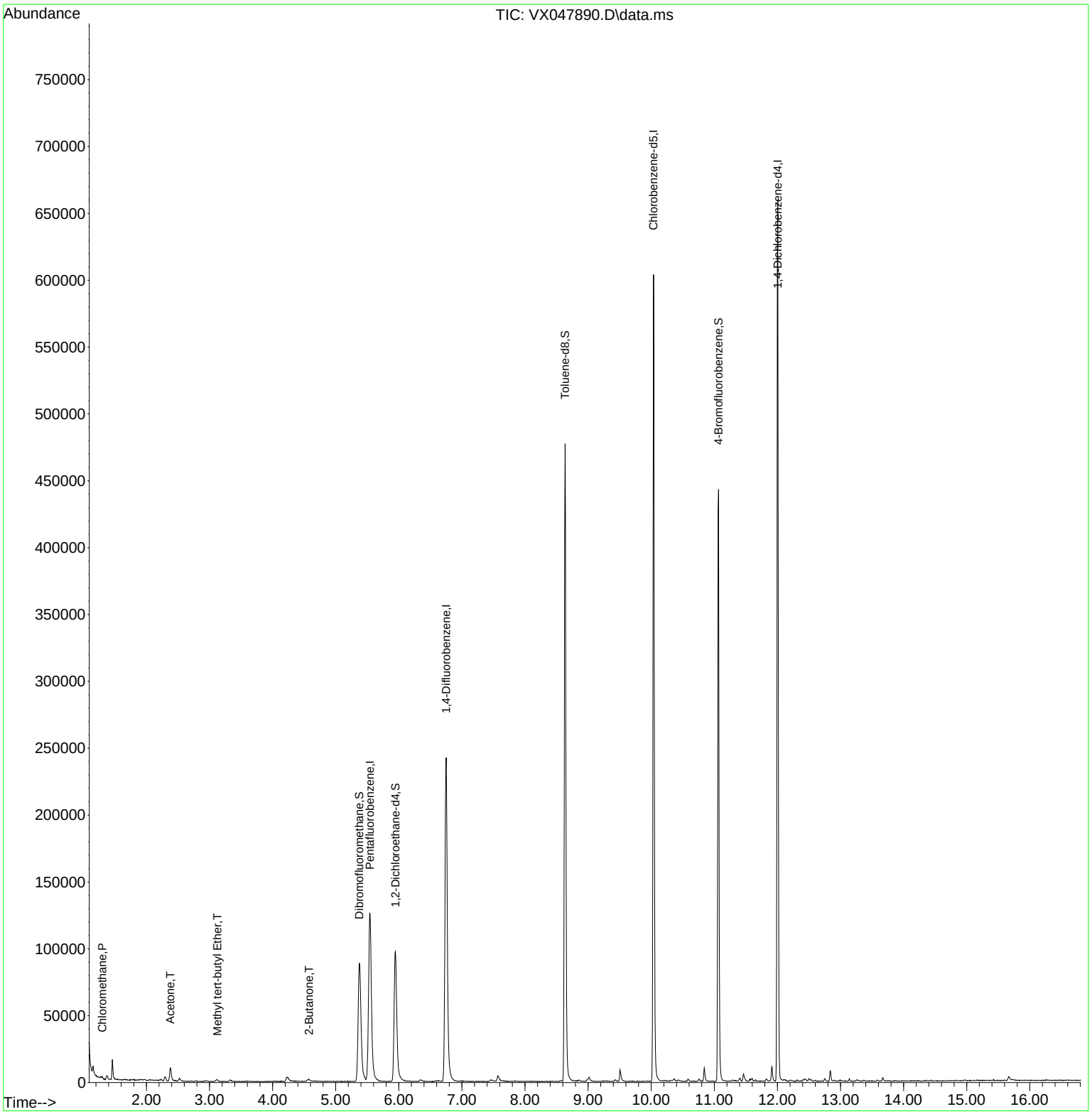
(#) = qualifier out of range (m) = manual integration (+) = signals summed

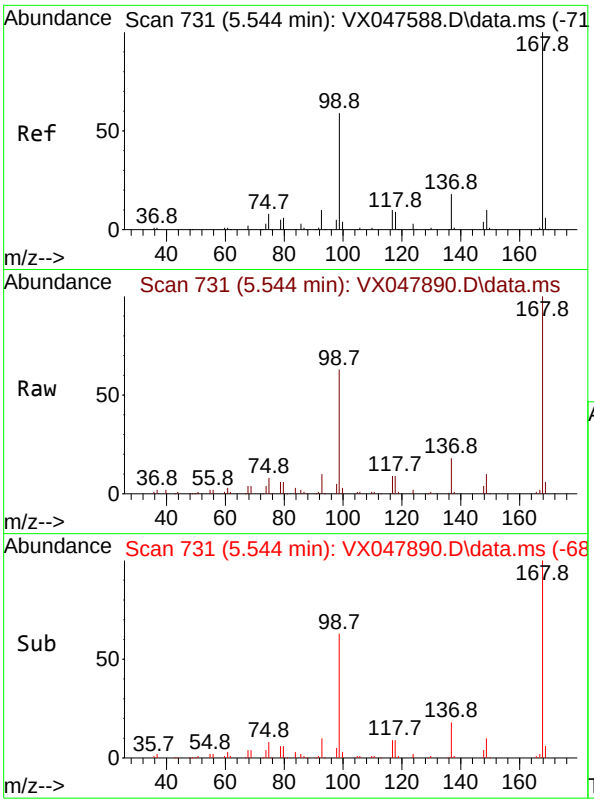
Sample Results: **VX047890.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047890.D
Acq On : 29 Sep 2025 17:26
Operator : JC/MD
Sample : Q3213-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-420-422

Quant Time: Sep 30 01:24:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



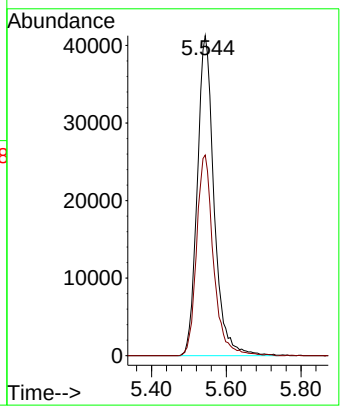


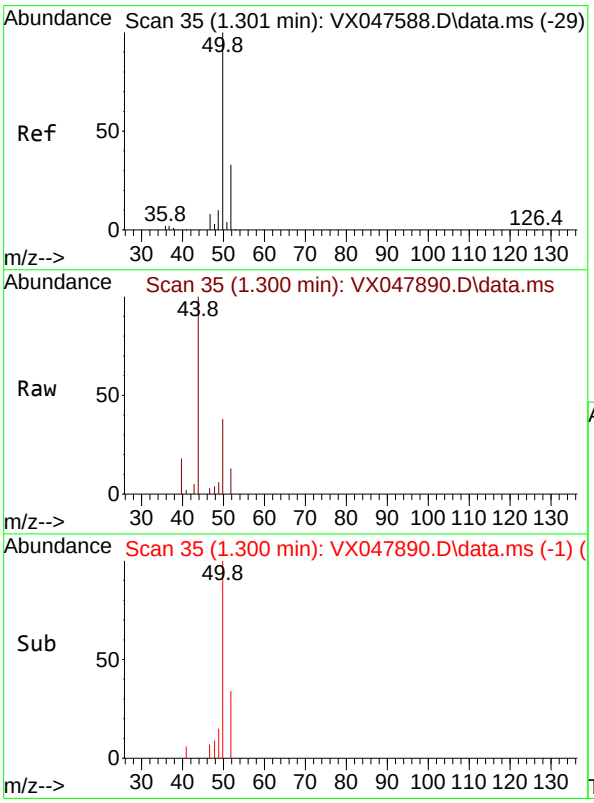
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047890.D
Acq: 29 Sep 2025 17:26

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-420-422

Tgt Ion:168 Resp: 128773

Ion	Ratio	Lower	Upper
168	100		
99	62.7	48.8	73.2

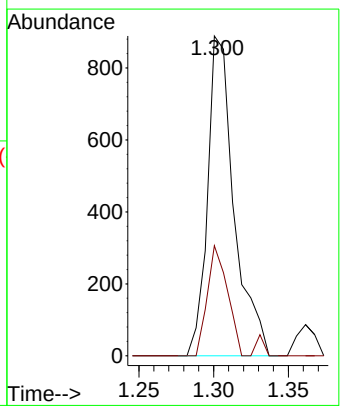


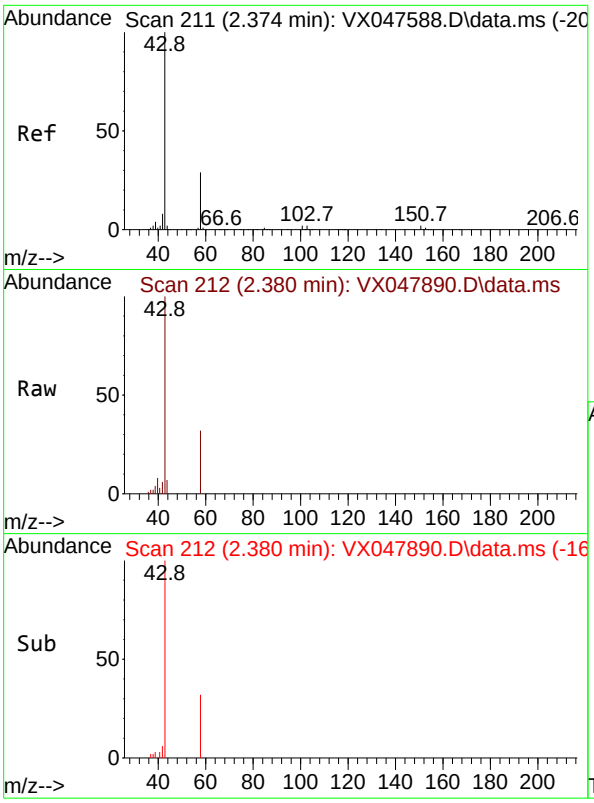


#3
Chloromethane
Concen: 0.625 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX047890.D
Acq: 29 Sep 2025 17:26

Tgt Ion: 50 Resp: 1095

Ion	Ratio	Lower	Upper
50	100		
52	34.4	26.1	39.1



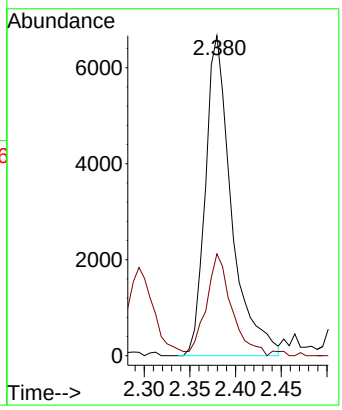


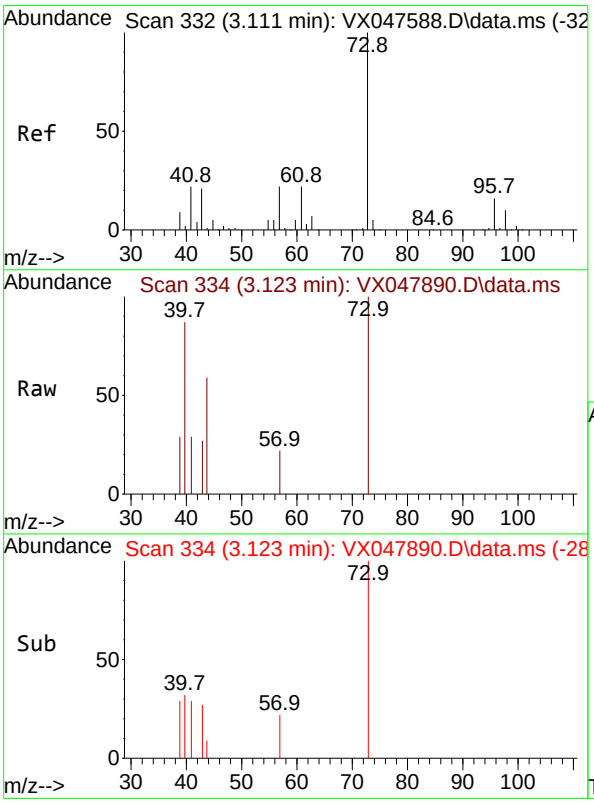
#16
Acetone
Concen: 14.841 ug/l
RT: 2.380 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047890.D
Acq: 29 Sep 2025 17:26

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-420-422

Tgt Ion: 43 Resp: 13227

Ion	Ratio	Lower	Upper
43	100		
58	28.5	23.4	35.0

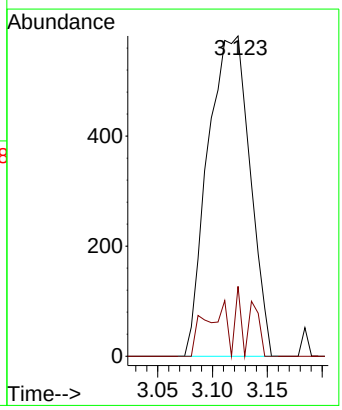


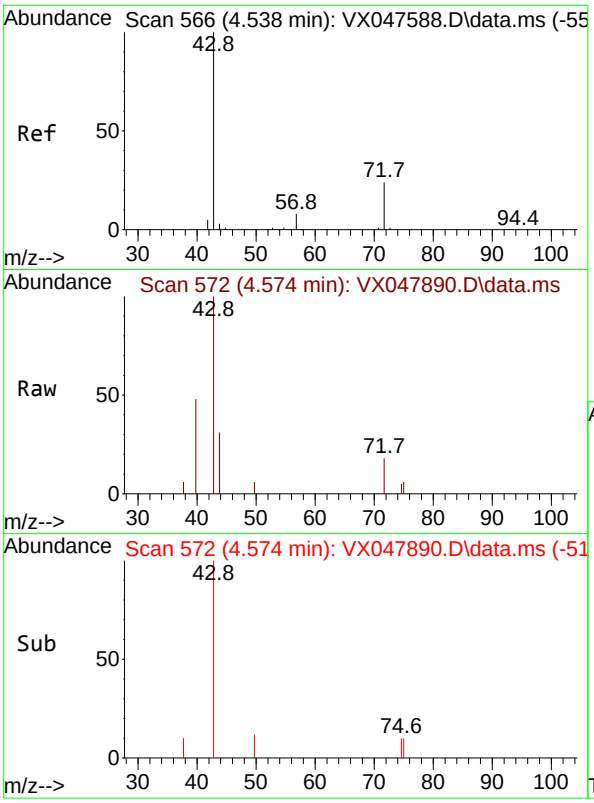


#19
Methyl tert-butyl Ether
Concen: 0.278 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.012 min
Lab File: VX047890.D
Acq: 29 Sep 2025 17:26

Tgt Ion: 73 Resp: 1552

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.2



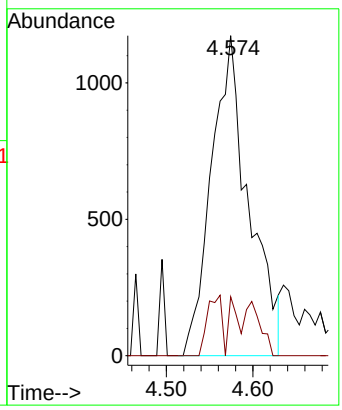


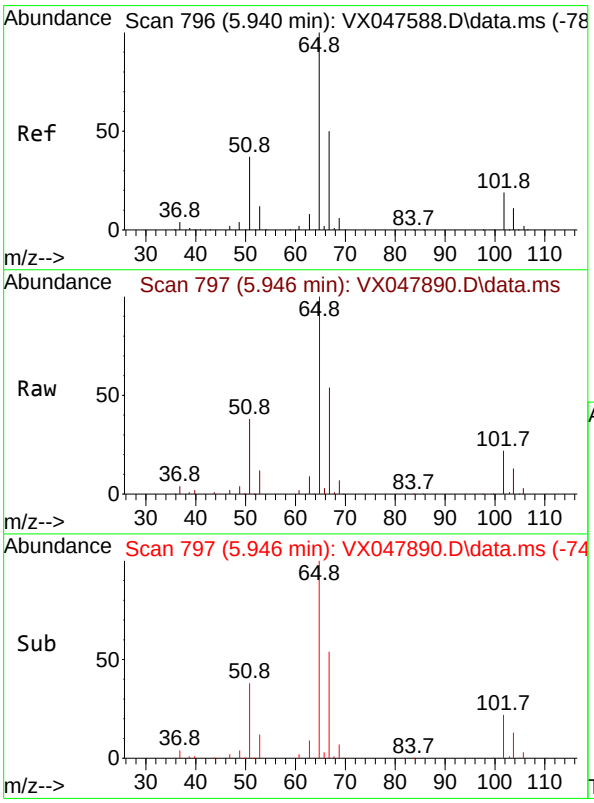
#25
2-Butanone
Concen: 3.156 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.036 min
Lab File: VX047890.D
Acq: 29 Sep 2025 17:26

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-420-422

Tgt Ion: 43 Resp: 3508

Ion	Ratio	Lower	Upper
43	100		
72	18.4	20.1	30.1#

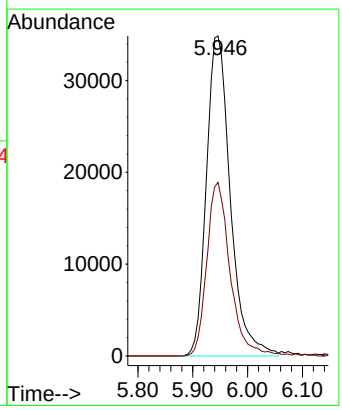


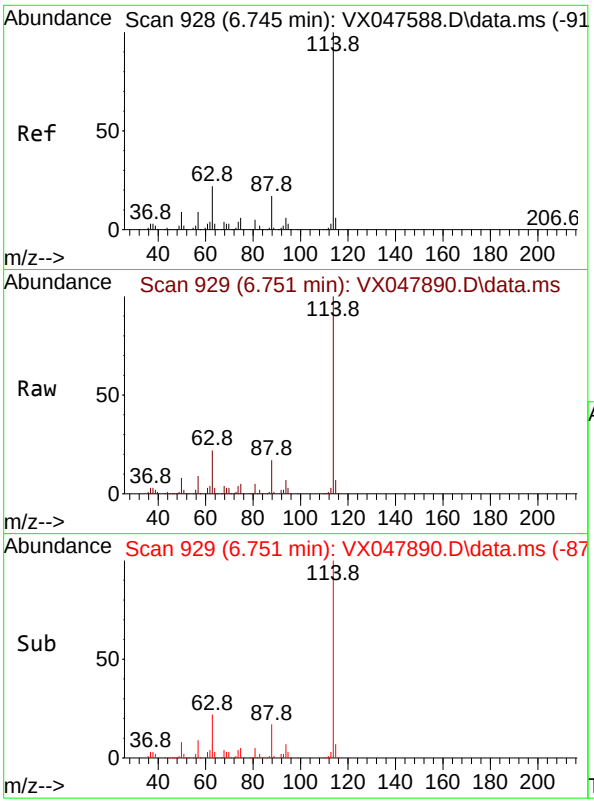


#33
1,2-Dichloroethane-d4
Concen: 51.496 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047890.D
Acq: 29 Sep 2025 17:26

Tgt Ion: 65 Resp: 105554

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	103.0



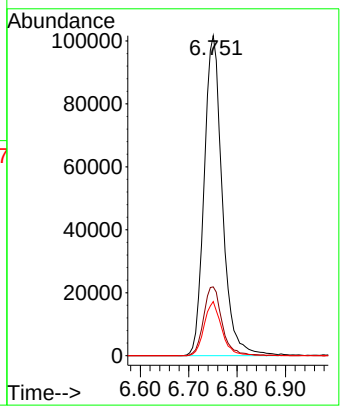


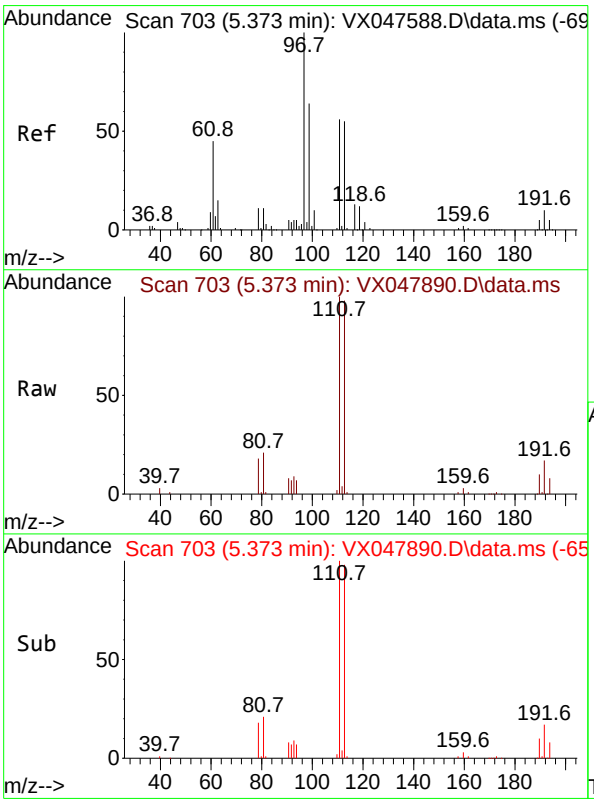
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047890.D
Acq: 29 Sep 2025 17:26

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-420-422

Tgt Ion:114 Resp: 265004

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	44.0
88	16.9	0.0	34.2

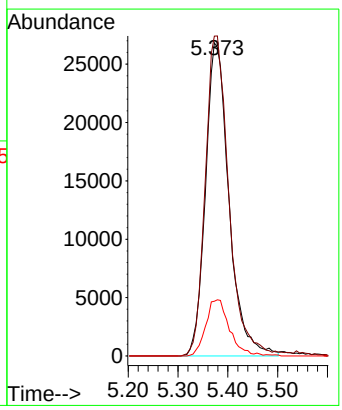


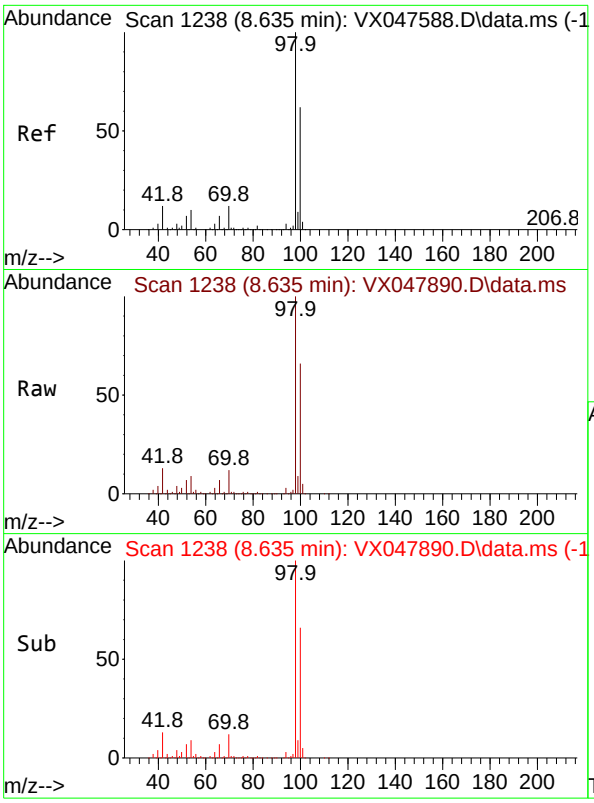


#35
Dibromofluoromethane
Concen: 49.339 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047890.D
Acq: 29 Sep 2025 17:26

Tgt Ion:113 Resp: 87688

Ion	Ratio	Lower	Upper
113	100		
111	103.3	80.9	121.3
192	18.3	14.2	21.4



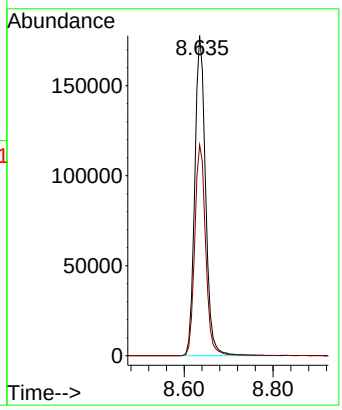


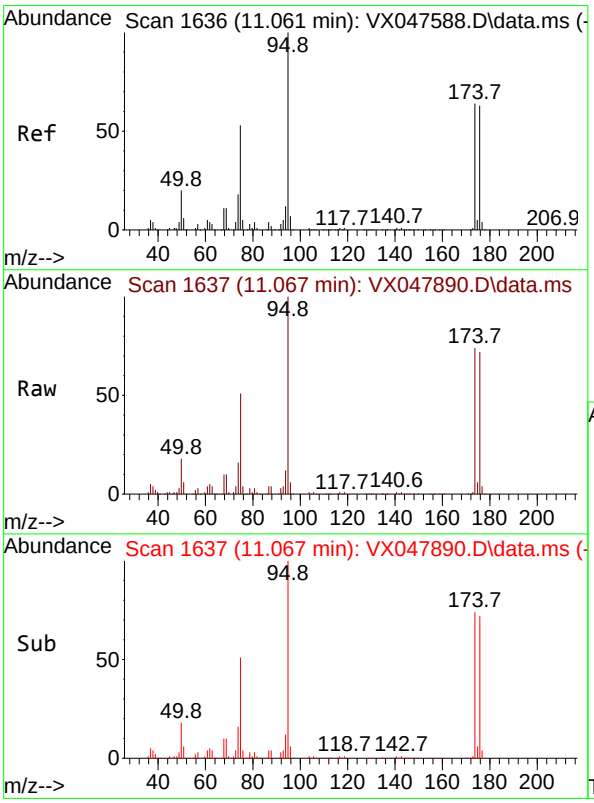
#50
Toluene-d8
Concen: 48.572 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047890.D
Acq: 29 Sep 2025 17:26

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-420-422

Tgt Ion: 98 Resp: 298703

Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.0	79.4

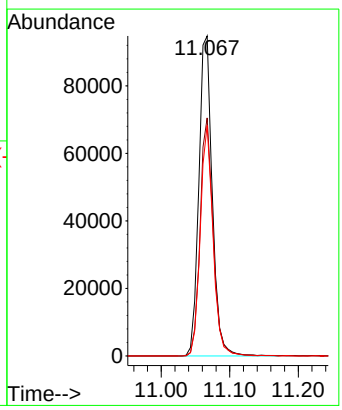


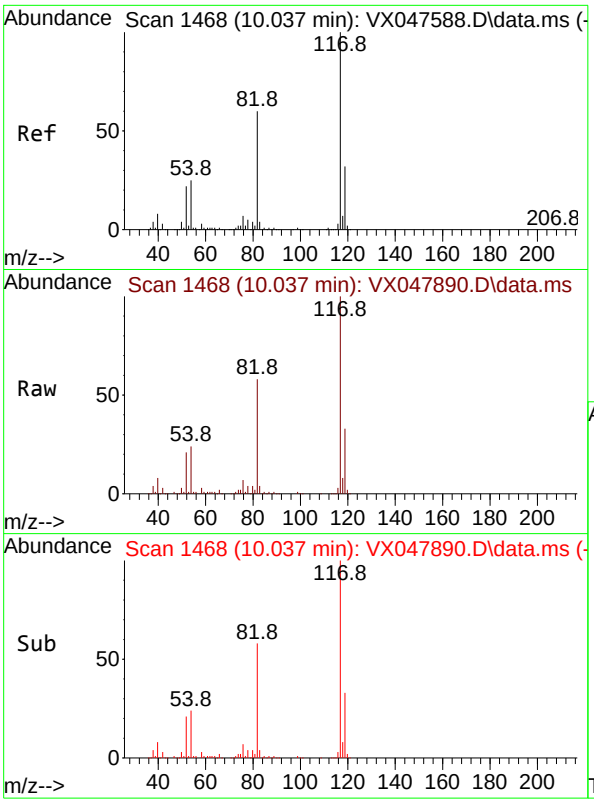


#62
4-Bromofluorobenzene
Concen: 55.459 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047890.D
Acq: 29 Sep 2025 17:26

Tgt Ion: 95 Resp: 129436

Ion	Ratio	Lower	Upper
95	100		
174	72.4	0.0	141.6
176	68.5	0.0	138.4



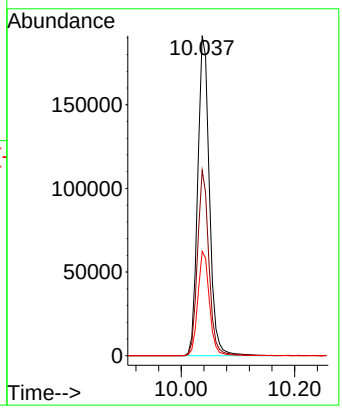


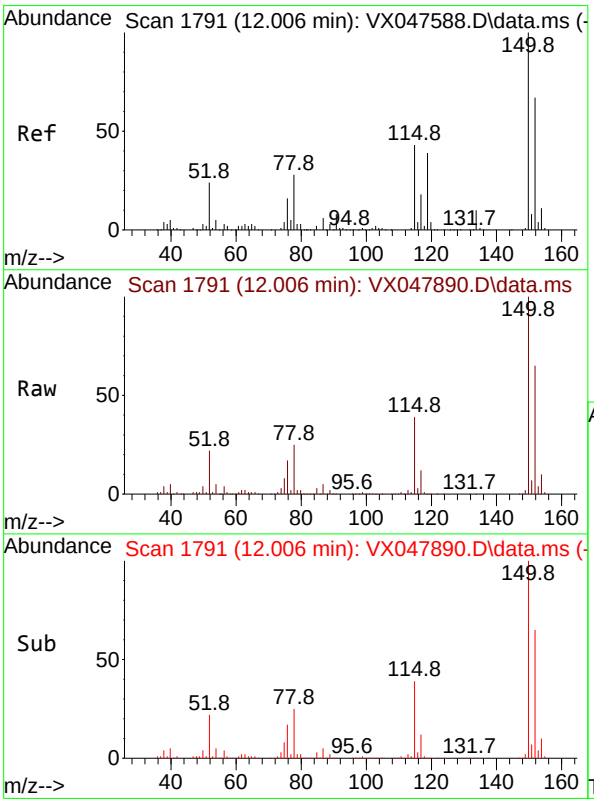
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047890.D
Acq: 29 Sep 2025 17:26

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-420-422

Tgt Ion:117 Resp: 273028

Ion	Ratio	Lower	Upper
117	100		
82	58.0	47.8	71.6
119	32.6	25.2	37.8

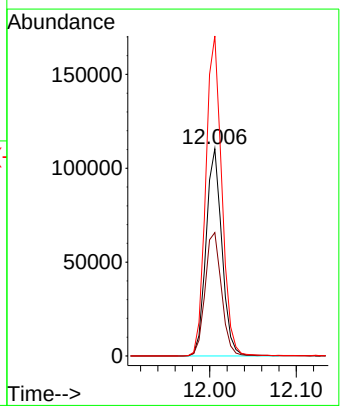




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047890.D
Acq: 29 Sep 2025 17:26

Tgt Ion:152 Resp: 140306

Ion	Ratio	Lower	Upper
152	100		
115	62.0	44.9	134.5
150	156.0	0.0	352.0



Sample Results: **VX047890.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047890.D
Acq On : 29 Sep 2025 17:26
Operator : JC/MD
Sample : Q3213-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-420-422

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Title : SW846 8260

Signal : TIC: VX047890.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.154	8	11	18	rVB3	6992	11030	1.26%	0.226%
2	1.459	58	61	66	rBV	14778	17099	1.96%	0.351%
3	2.380	205	212	220	rBV	9814	19516	2.24%	0.400%
4	4.227	509	515	526	rBV4	3305	10582	1.21%	0.217%
5	5.373	691	703	720	rBV2	88395	288316	33.05%	5.911%
6	5.538	720	730	750	rVB	124850	389514	44.65%	7.986%
7	5.946	785	797	817	rBV2	97133	291974	33.47%	5.986%
8	6.751	919	929	951	rBV	242068	635965	72.90%	13.039%
9	8.635	1232	1238	1257	rBV	476601	807586	92.58%	16.558%
10	9.019	1289	1301	1312	rBV6	3286	9476	1.09%	0.194%
11	9.506	1377	1381	1394	rBV2	8596	14561	1.67%	0.299%
12	10.037	1462	1468	1486	rBV	603468	850472	97.49%	17.437%
13	10.841	1596	1600	1609	rVB3	9820	14445	1.66%	0.296%
14	11.067	1631	1637	1649	rBV	442592	607994	69.70%	12.466%
15	11.463	1697	1702	1711	rVB3	5383	9714	1.11%	0.199%
16	11.914	1770	1776	1785	rVB2	10771	15889	1.82%	0.326%
17	12.006	1785	1791	1805	rBV	658977	872342	100.00%	17.886%
18	12.841	1924	1928	1933	rBV3	7722	10818	1.24%	0.222%

Sum of corrected areas: 4877293

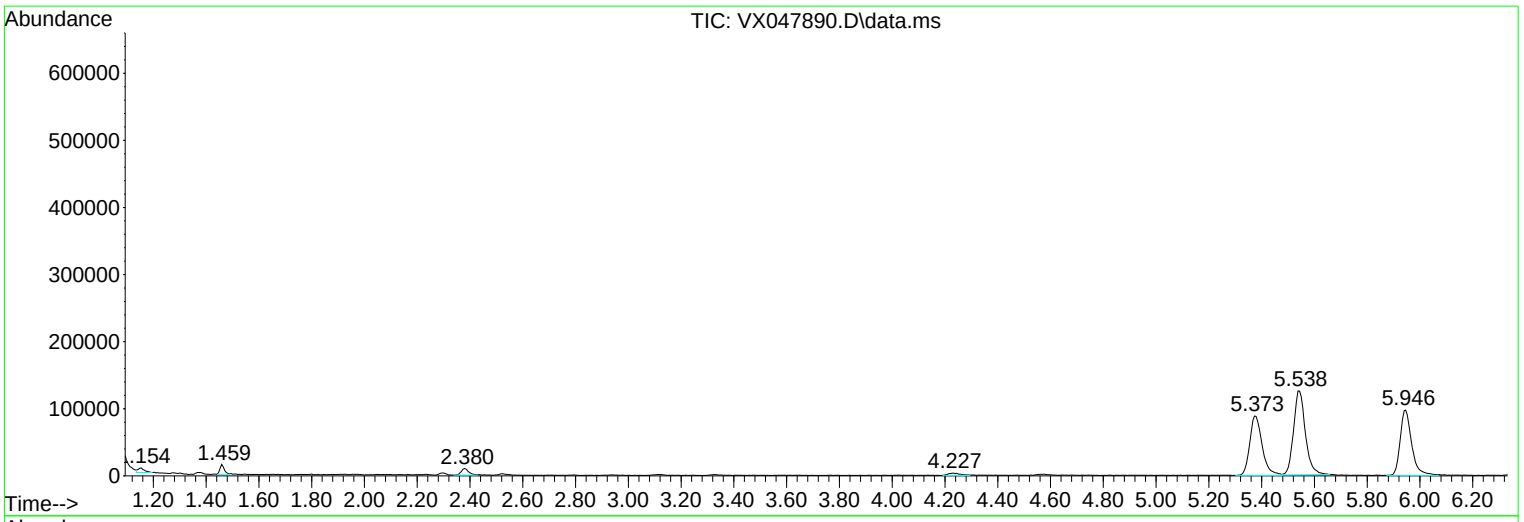
Sample Results: **VX047890.D**

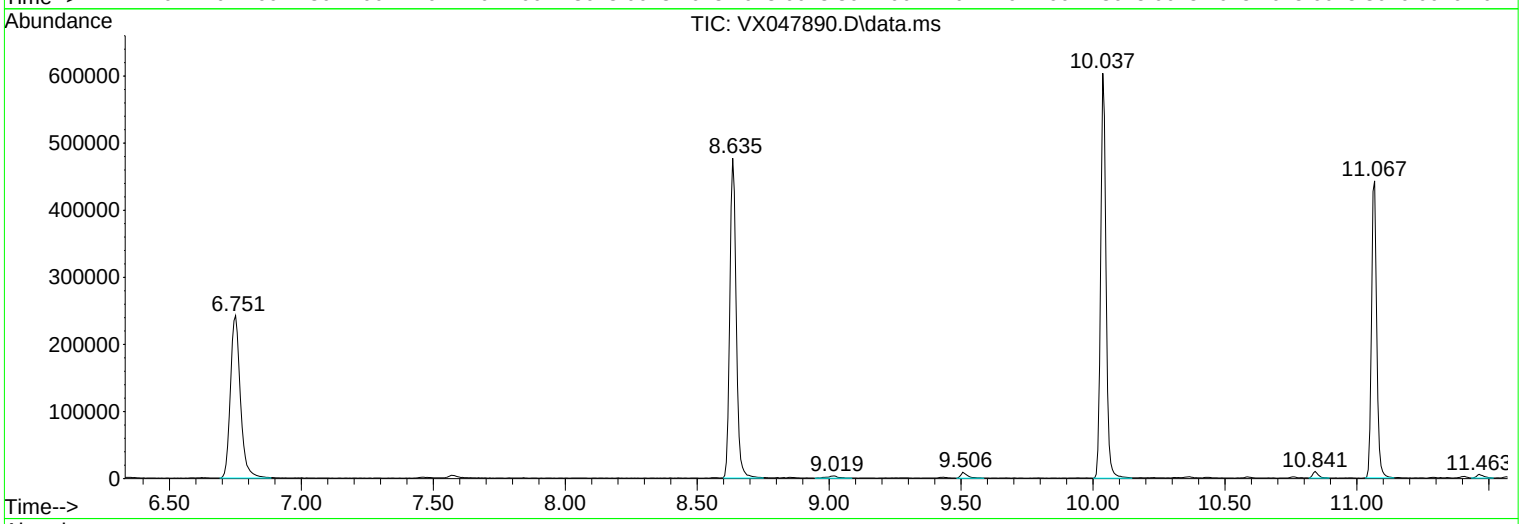
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047890.D
Acq On : 29 Sep 2025 17:26
Operator : JC/MD
Sample : Q3213-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

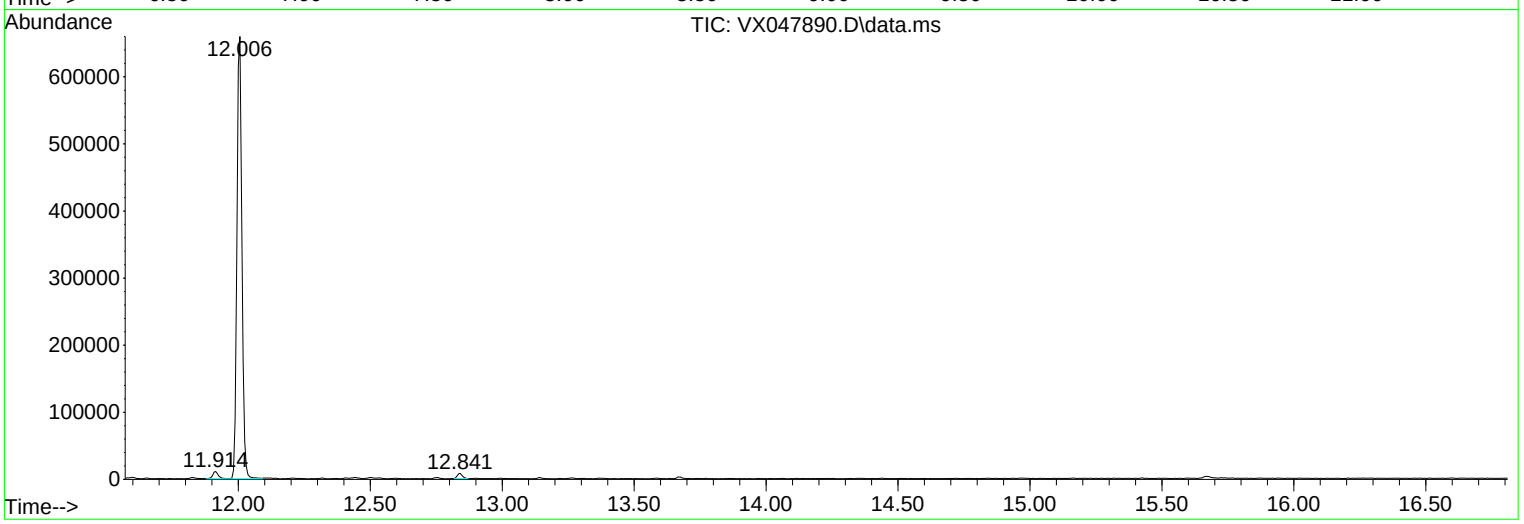
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-420-422

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VX047890.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047890.D
Acq On : 29 Sep 2025 17:26
Operator : JC/MD
Sample : Q3213-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-420-422

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047890.D
Acq On : 29 Sep 2025 17:26
Operator : JC/MD
Sample : Q3213-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-420-422

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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: **VX047891.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/24/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-GW-440-442	SDG No.:	Q3213
Lab Sample ID:	Q3213-09	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047891.D	1	09/29/25 17:46	VX092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.46	J	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	5.40		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/24/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-GW-440-442	SDG No.:	Q3213
Lab Sample ID:	Q3213-09	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047891.D	1	09/29/25 17:46	VX092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.3		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	47.8		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.6		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	127000	5.55				
540-36-3	1,4-Difluorobenzene	265000	6.751				
3114-55-4	Chlorobenzene-d5	273000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	137000	12.006				
TENTATIVE IDENTIFIED COMPOUNDS							

Raw Data: **VX047891.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/24/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-GW-440-442	SDG No.:	Q3213
Lab Sample ID:	Q3213-09	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047891.D	1	09/29/25 17:46	VX092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
75-43-4	Dichlorofluoromethane	N.D					

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047891.D
Acq On : 29 Sep 2025 17:46
Operator : JC/MD
Sample : Q3213-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-440-442

Quant Time: Sep 30 01:25:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

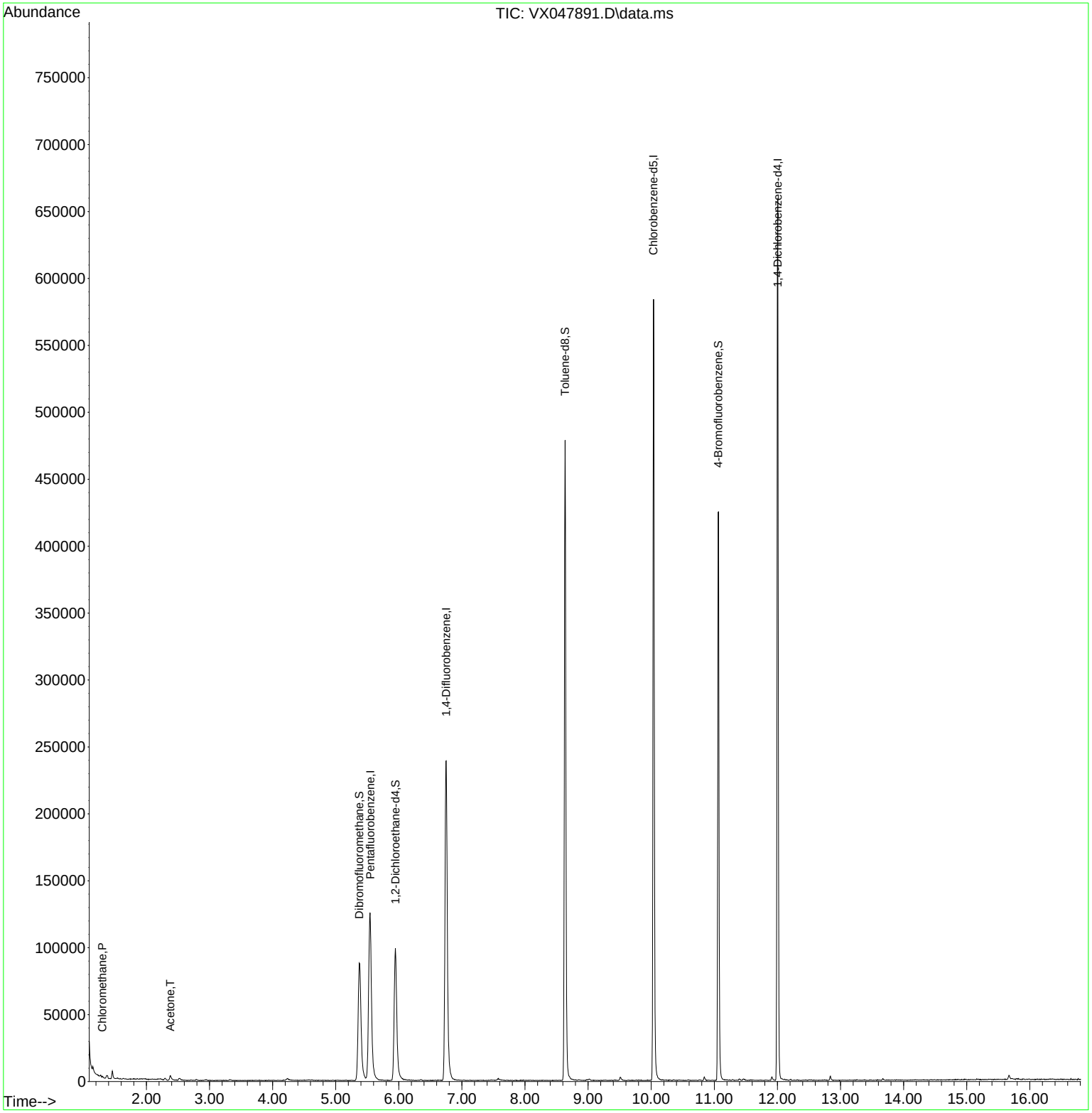
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	126934	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	264916	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	273054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	137102	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	105715	52.322	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.640%			
35) Dibromofluoromethane	5.373	113	88669	49.907	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.820%			
50) Toluene-d8	8.635	98	293810	47.792	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.580%			
62) 4-Bromofluorobenzene	11.061	95	125076	53.608	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.220%			
Target Compounds						Qvalue
3) Chloromethane	1.300	50	789	0.457	ug/l	98
16) Acetone	2.380	43	4779	5.440	ug/l #	83

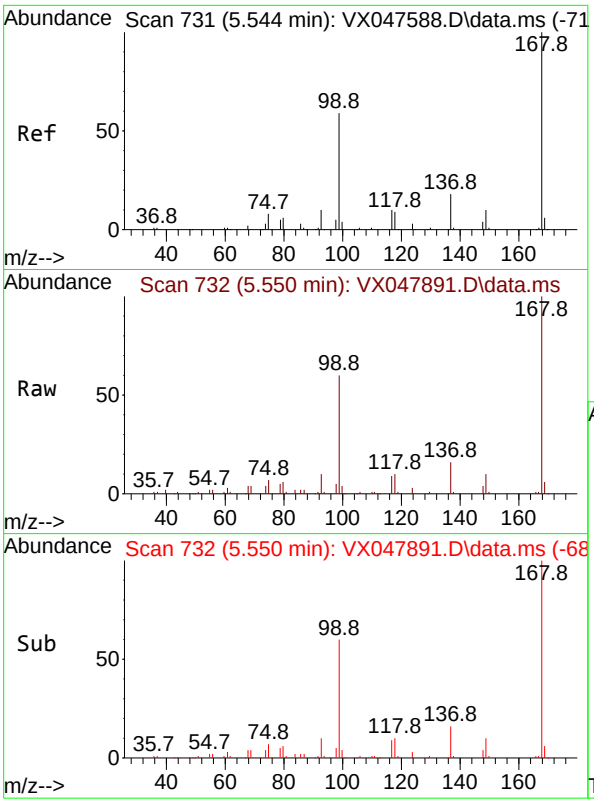
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047891.D
Acq On : 29 Sep 2025 17:46
Operator : JC/MD
Sample : Q3213-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-440-442

Quant Time: Sep 30 01:25:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



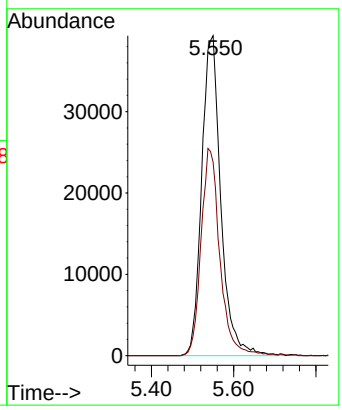


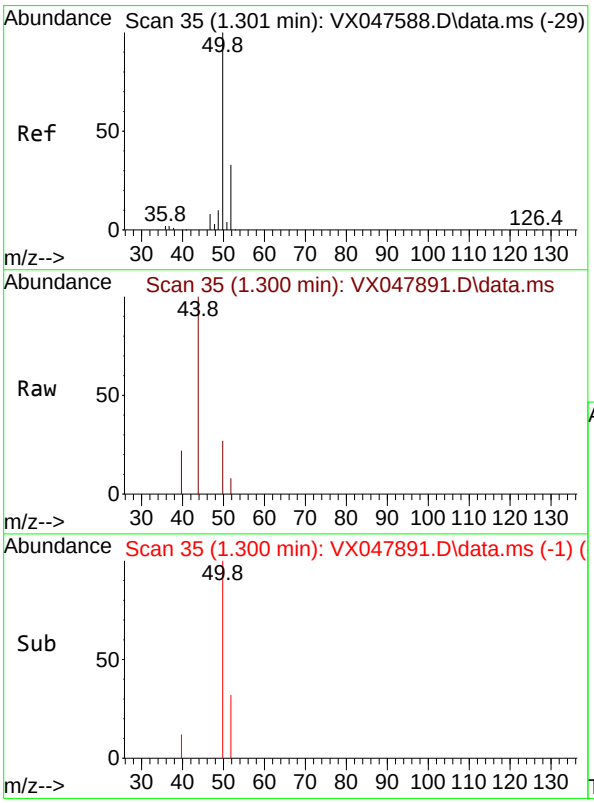
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047891.D
Acq: 29 Sep 2025 17:46

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-440-442

Tgt Ion:168 Resp: 126934

Ion	Ratio	Lower	Upper
168	100		
99	60.5	48.8	73.2

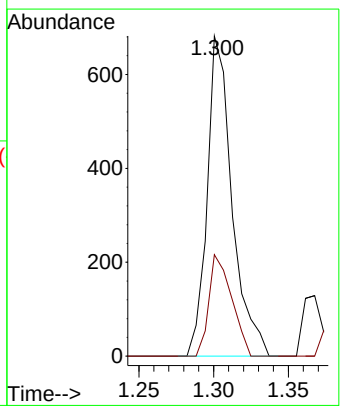


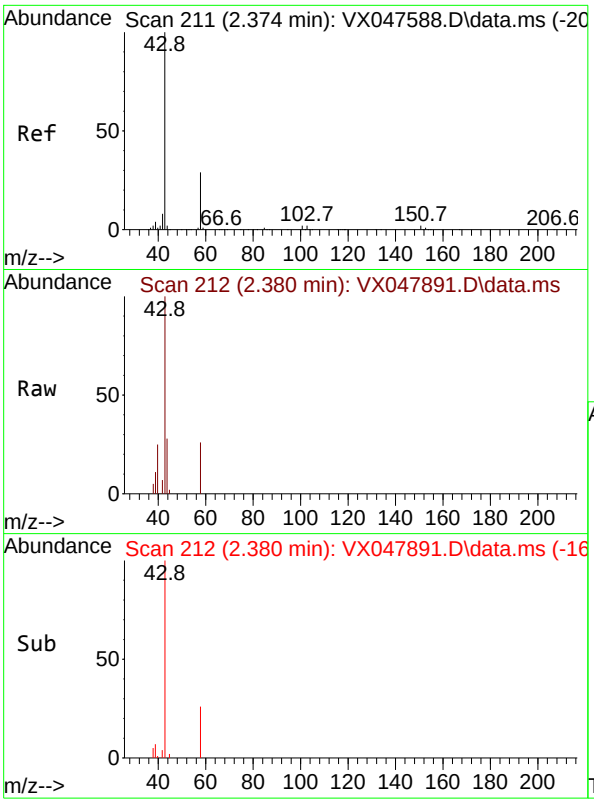


#3
Chloromethane
Concen: 0.457 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX047891.D
Acq: 29 Sep 2025 17:46

Tgt Ion: 50 Resp: 789

Ion	Ratio	Lower	Upper
50	100		
52	31.7	26.1	39.1



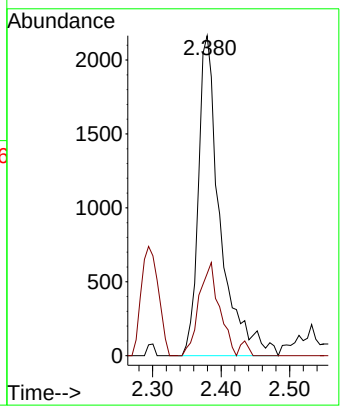


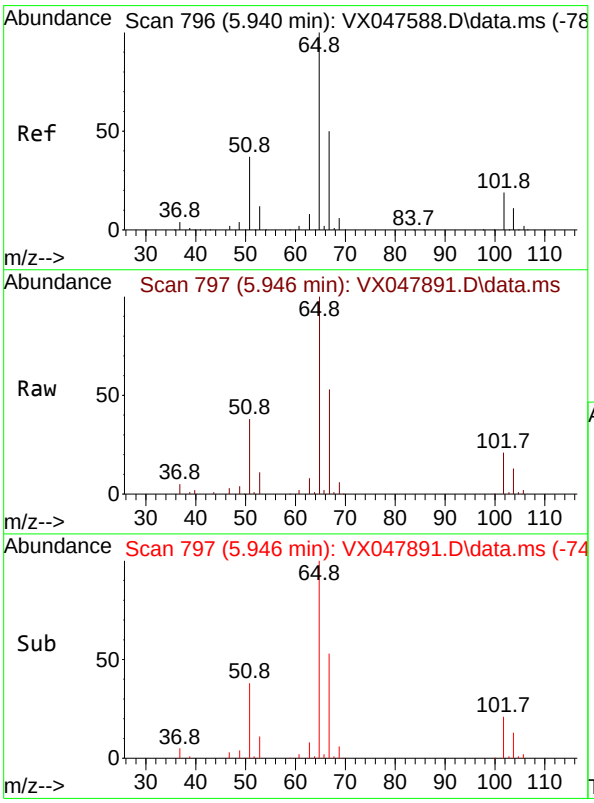
#16
Acetone
Concen: 5.440 ug/l
RT: 2.380 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047891.D
Acq: 29 Sep 2025 17:46

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-440-442

Tgt Ion: 43 Resp: 4779

Ion	Ratio	Lower	Upper
43	100		
58	20.0	23.4	35.0#

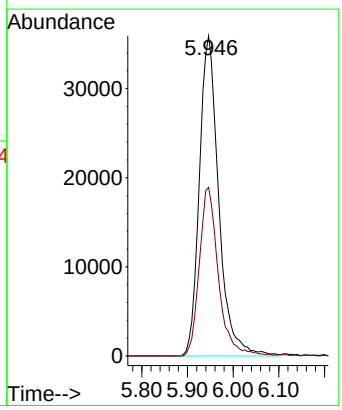


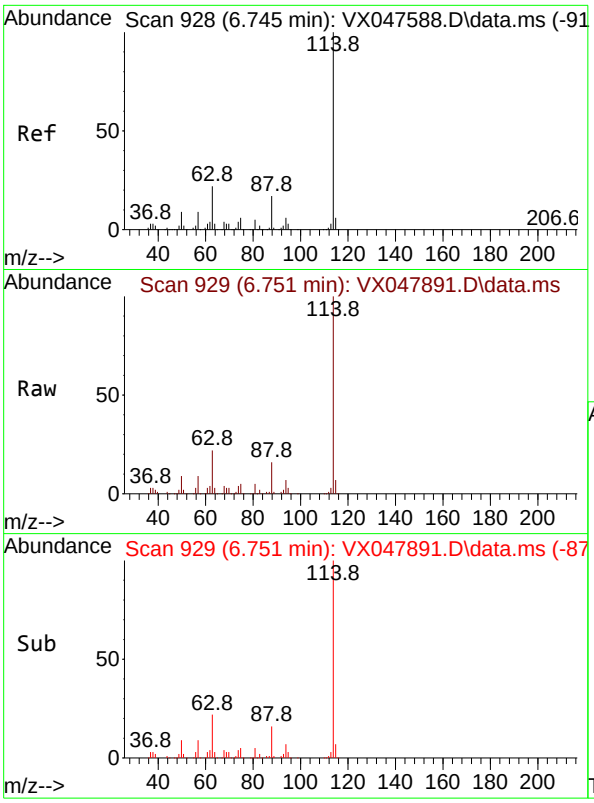


#33
1,2-Dichloroethane-d4
Concen: 52.322 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047891.D
Acq: 29 Sep 2025 17:46

Tgt Ion: 65 Resp: 105715

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.0



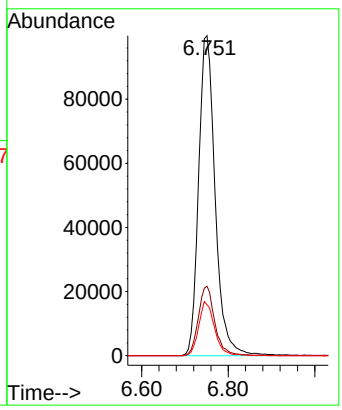


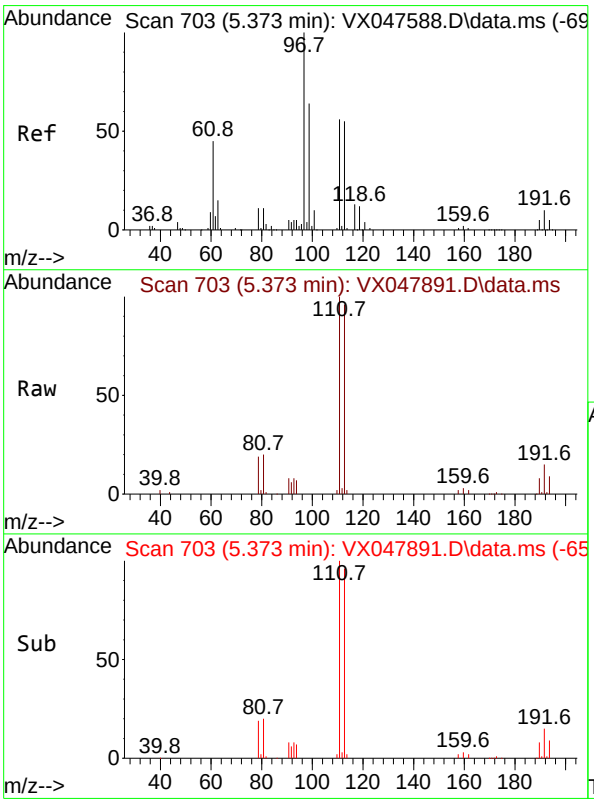
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047891.D
Acq: 29 Sep 2025 17:46

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-440-442

Tgt Ion:114 Resp: 264916

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	44.0
88	15.9	0.0	34.2

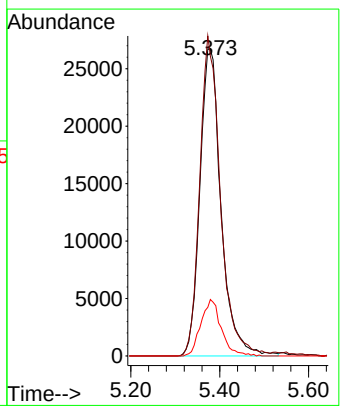


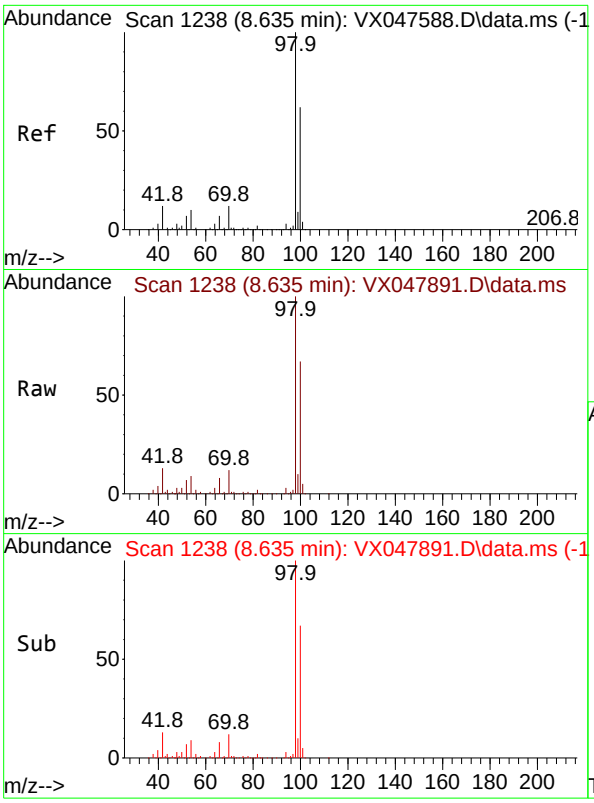


#35
Dibromofluoromethane
Concen: 49.907 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047891.D
Acq: 29 Sep 2025 17:46

Tgt Ion:113 Resp: 88669

Ion	Ratio	Lower	Upper
113	100		
111	101.8	80.9	121.3
192	17.7	14.2	21.4



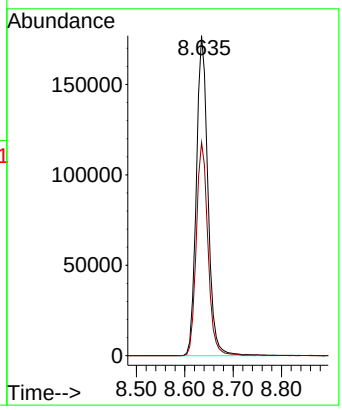


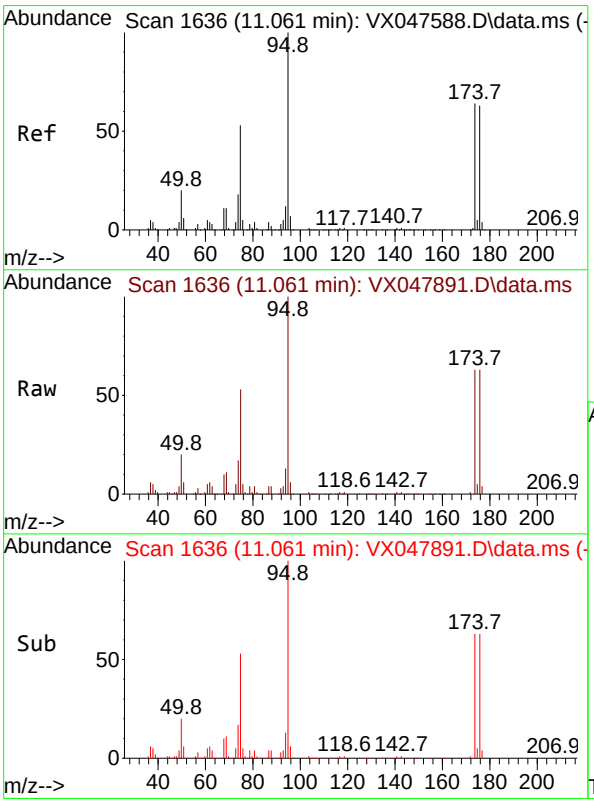
#50
Toluene-d8
Concen: 47.792 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047891.D
Acq: 29 Sep 2025 17:46

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-440-442

Tgt Ion: 98 Resp: 293810

Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.0	79.4

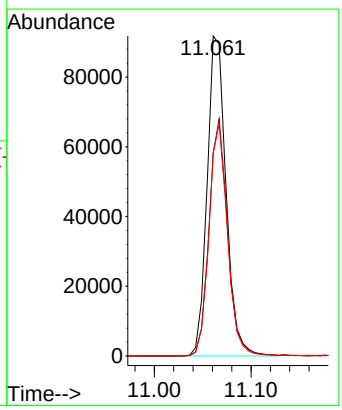


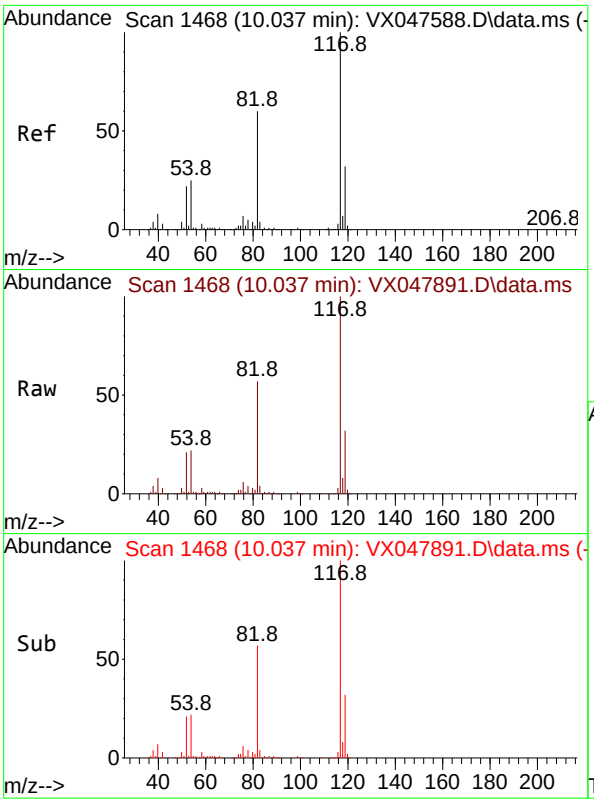


#62
4-Bromofluorobenzene
Concen: 53.608 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047891.D
Acq: 29 Sep 2025 17:46

Tgt Ion: 95 Resp: 125076

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	141.6
176	70.7	0.0	138.4



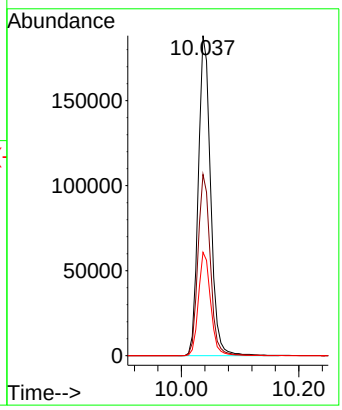


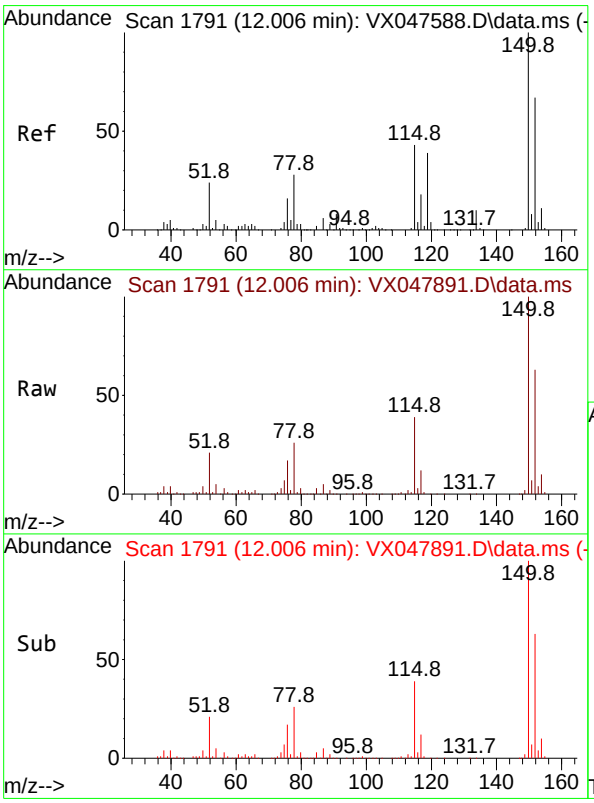
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047891.D
Acq: 29 Sep 2025 17:46

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-440-442

Tgt Ion:117 Resp: 273054

Ion	Ratio	Lower	Upper
117	100		
82	56.7	47.8	71.6
119	32.3	25.2	37.8

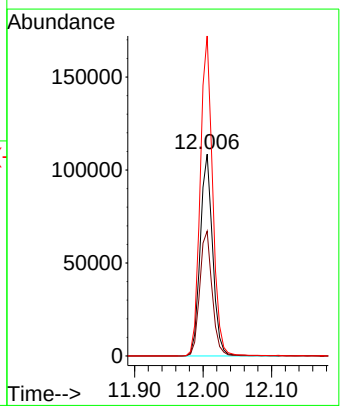




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047891.D
Acq: 29 Sep 2025 17:46

Tgt Ion:152 Resp: 137102

Ion	Ratio	Lower	Upper
152	100		
115	61.7	44.9	134.5
150	158.0	0.0	352.0



Sample Results: **VX047891.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047891.D
Acq On : 29 Sep 2025 17:46
Operator : JC/MD
Sample : Q3213-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-440-442

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Title : SW846 8260

Signal : TIC: VX047891.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.148	9	10	22	rVB3	6300	9544	1.12%	0.203%
2	5.373	690	703	719	rBV3	87896	286908	33.60%	6.101%
3	5.544	721	731	754	rVB2	125013	393692	46.10%	8.372%
4	5.946	787	797	819	rBV	98576	286996	33.61%	6.103%
5	6.751	919	929	946	rBV	238769	629926	73.77%	13.396%
6	8.635	1230	1238	1256	rBV	478302	798218	93.47%	16.974%
7	10.037	1462	1468	1482	rBV	583518	845784	99.04%	17.986%
8	11.067	1631	1637	1652	rBV	424714	597479	69.97%	12.706%
9	12.006	1785	1791	1802	rBV	658718	853951	100.00%	18.160%

Sum of corrected areas: 4702498

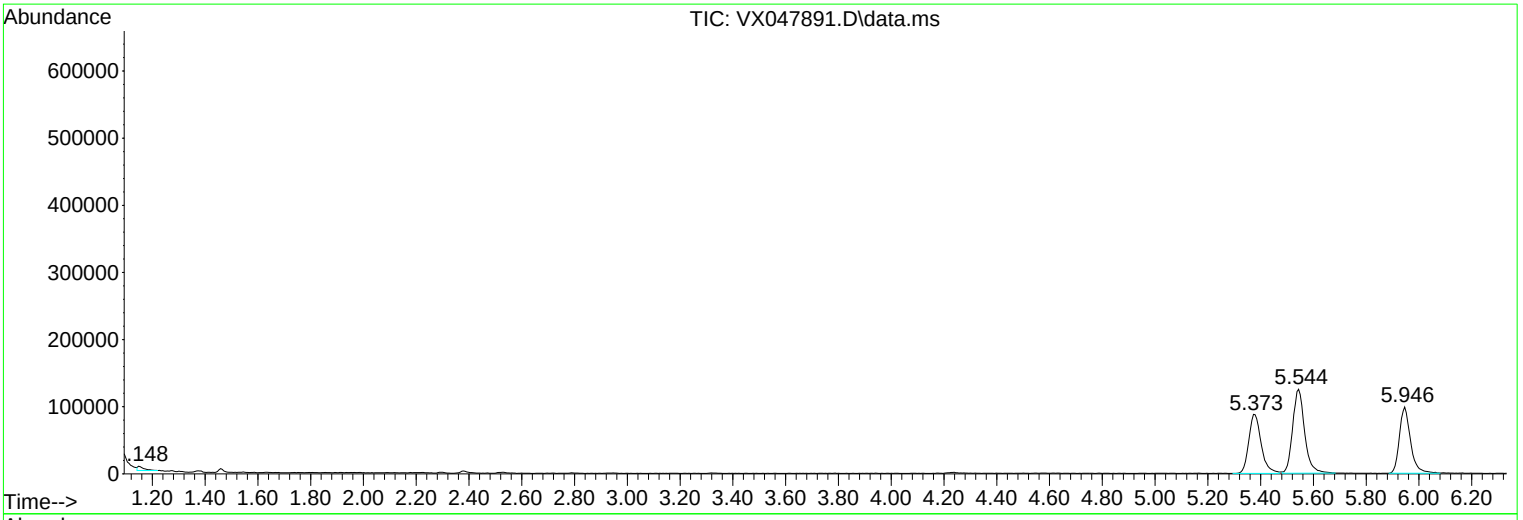
Sample Results: **VX047891.D**

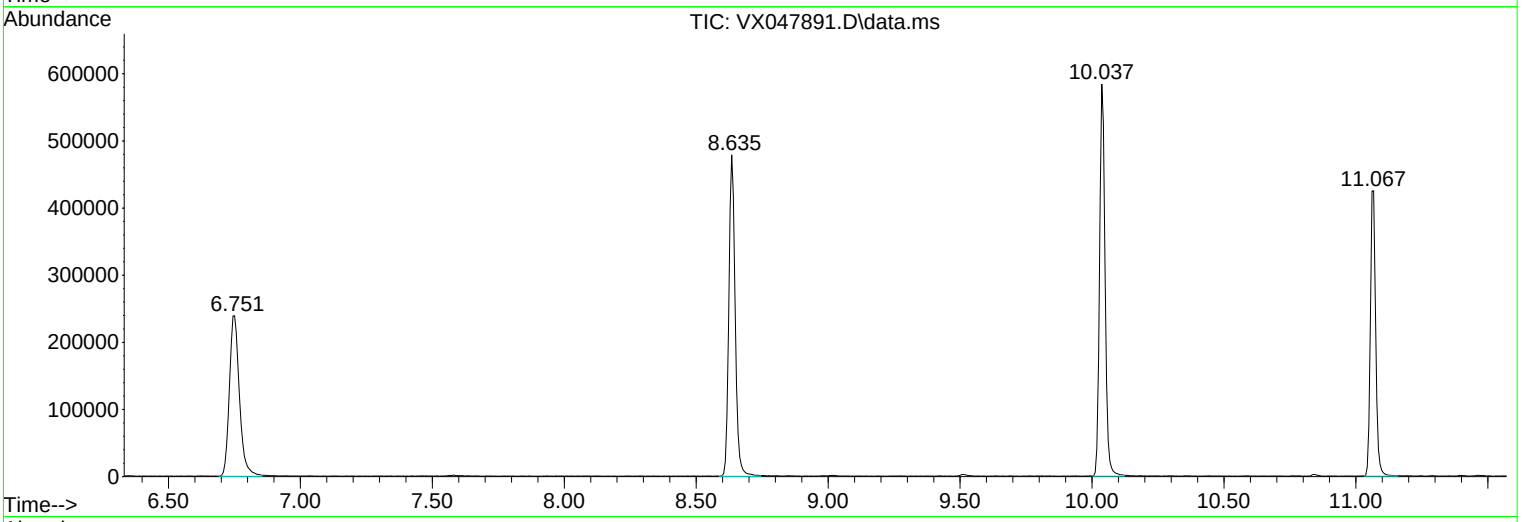
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047891.D
Acq On : 29 Sep 2025 17:46
Operator : JC/MD
Sample : Q3213-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

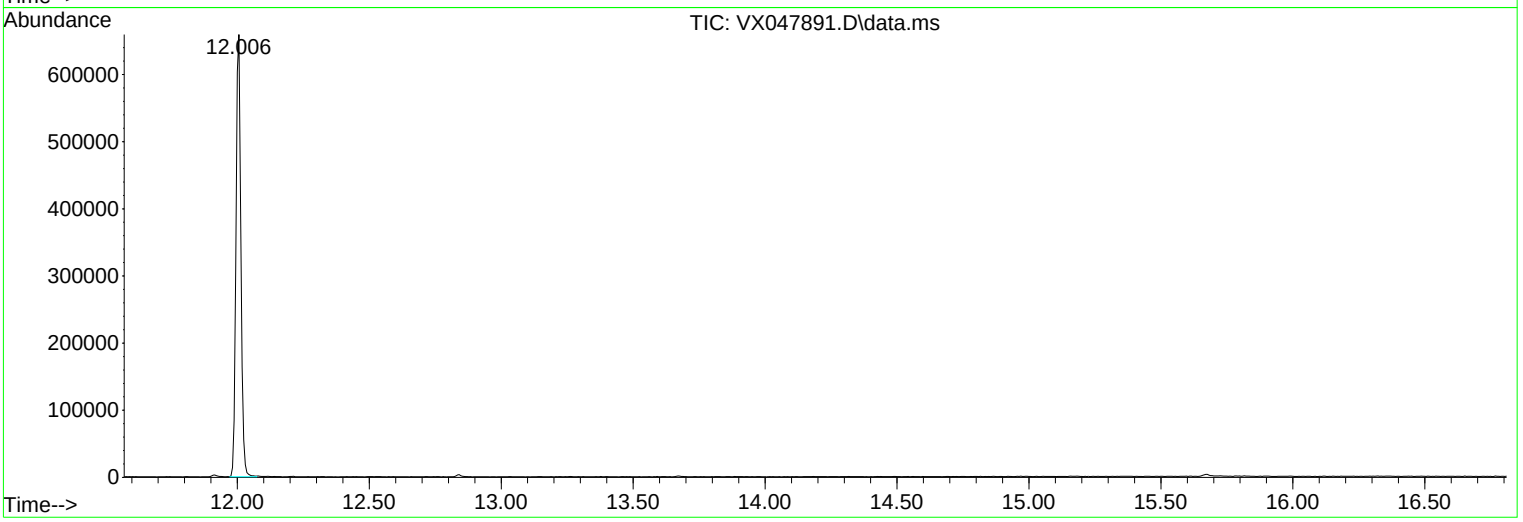
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-440-442

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VX047891.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047891.D
Acq On : 29 Sep 2025 17:46
Operator : JC/MD
Sample : Q3213-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-440-442

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Sample Results: **VX047891.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047891.D
Acq On : 29 Sep 2025 17:46
Operator : JC/MD
Sample : Q3213-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-440-442

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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:	Tetra Tech NUS, Inc.	Date Collected:	09/23/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-EB-20250923	SDG No.:	Q3213
Lab Sample ID:	Q3213-10	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047902.D	1	09/30/25 12:09	VX093025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	64.3		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	1.30		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	8.50		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/23/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-EB-20250923	SDG No.:	Q3213
Lab Sample ID:	Q3213-10	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047902.D	1	09/30/25 12:09	VX093025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.3		81 - 118		97%	SPK: 50
1868-53-7	Dibromofluoromethane	47.6		80 - 119		95%	SPK: 50
2037-26-5	Toluene-d8	47.7		89 - 112		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.1		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	127000	5.538				
540-36-3	1,4-Difluorobenzene	257000	6.751				
3114-55-4	Chlorobenzene-d5	261000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	127000	12.006				
TENTATIVE IDENTIFIED COMPOUNDS							

Raw Data: **VX047902.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/23/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/25/25
Client Sample ID:	BP-VPB-184-EB-20250923	SDG No.:	Q3213
Lab Sample ID:	Q3213-10	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047902.D	1	09/30/25 12:09	VX093025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
75-43-4	Dichlorofluoromethane	N.D					

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047902.D
Acq On : 30 Sep 2025 12:09
Operator : JC/MD
Sample : Q3213-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20250923

Quant Time: Oct 01 01:07:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

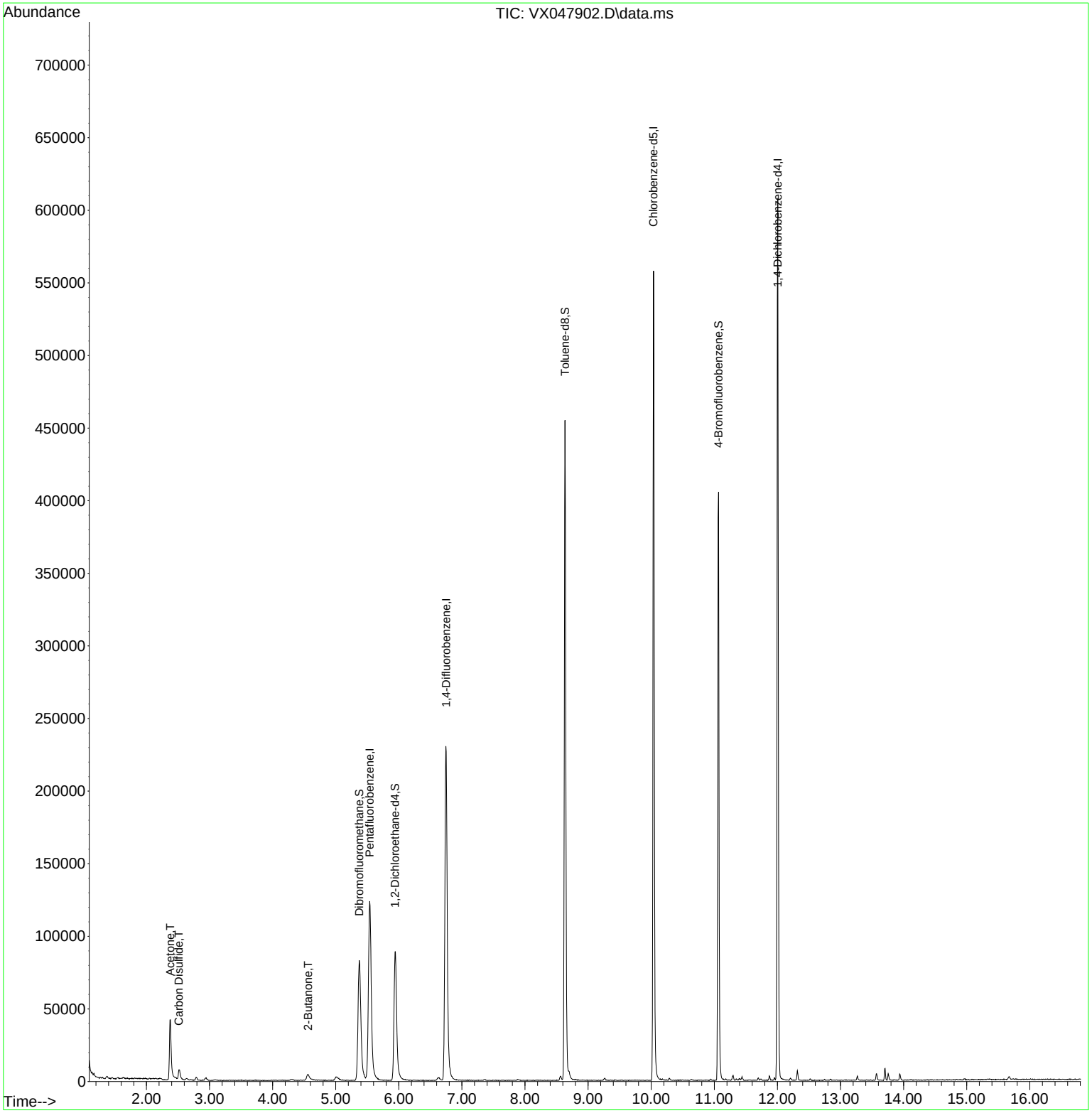
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	127478	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	257240	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	260569	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	127484	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	98063	48.328	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 96.660%			
35) Dibromofluoromethane	5.373	113	82184	47.638	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.280%			
50) Toluene-d8	8.635	98	284445	47.650	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.300%			
62) 4-Bromofluorobenzene	11.067	95	118144	52.148	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.300%			
Target Compounds						Qvalue
16) Acetone	2.380	43	56694	64.259	ug/l	95
17) Carbon Disulfide	2.514	76	5205	1.255	ug/l	97
25) 2-Butanone	4.562	43	9365	8.510	ug/l	95

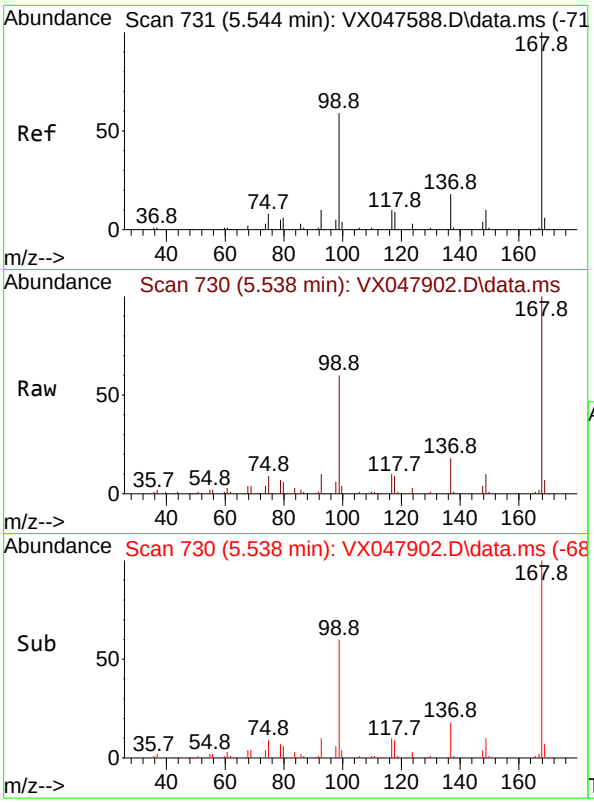
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047902.D
Acq On : 30 Sep 2025 12:09
Operator : JC/MD
Sample : Q3213-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20250923

Quant Time: Oct 01 01:07:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



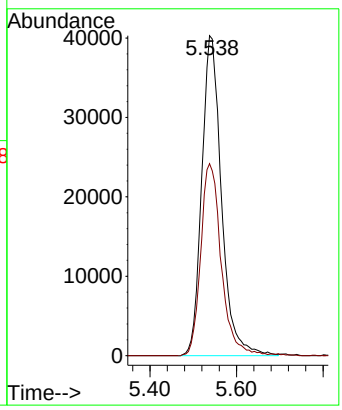


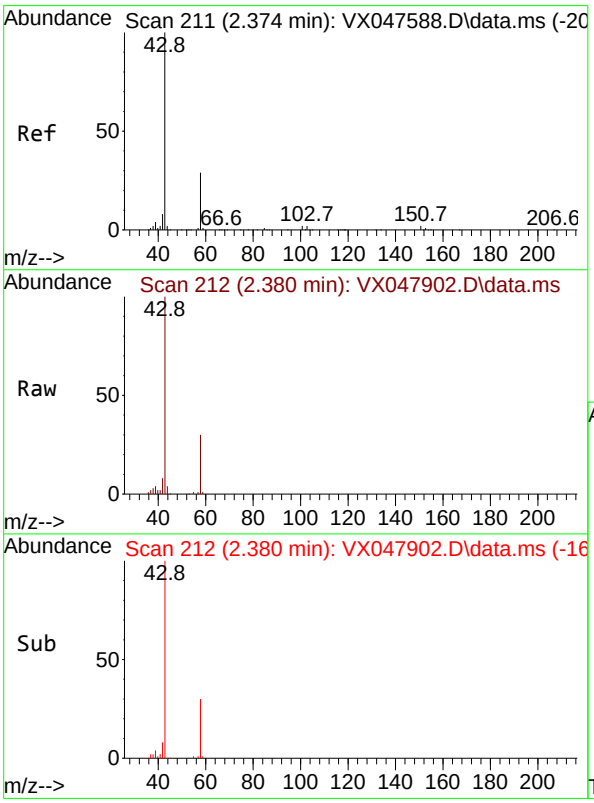
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047902.D
Acq: 30 Sep 2025 12:09

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20250923

Tgt Ion:168 Resp: 127478

Ion	Ratio	Lower	Upper
168	100		
99	60.0	48.8	73.2

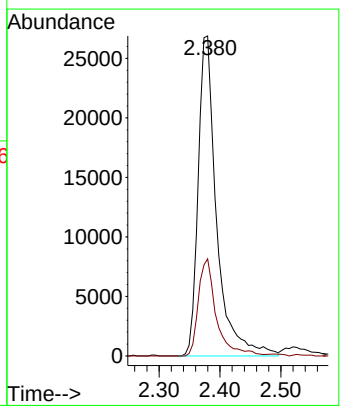


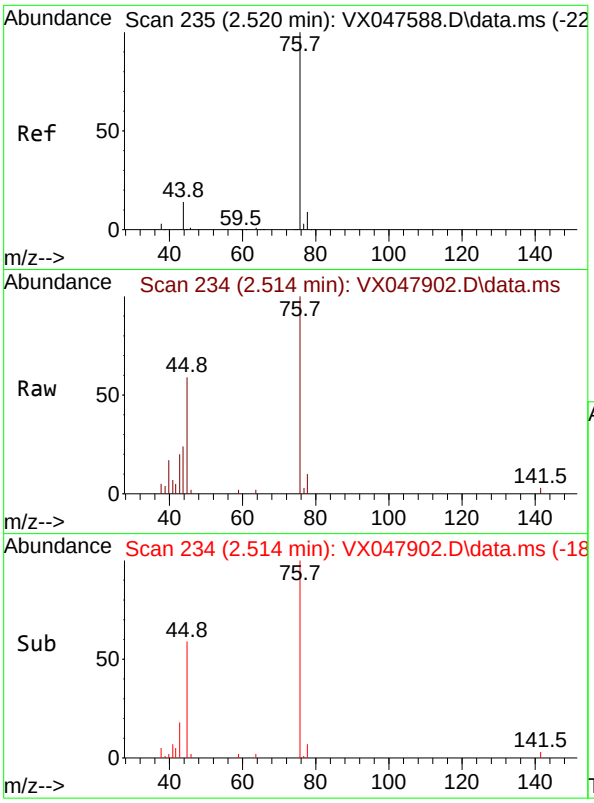


#16
Acetone
Concen: 64.259 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047902.D
Acq: 30 Sep 2025 12:09

Tgt Ion: 43 Resp: 56694

Ion	Ratio	Lower	Upper
43	100		
58	31.8	23.4	35.0



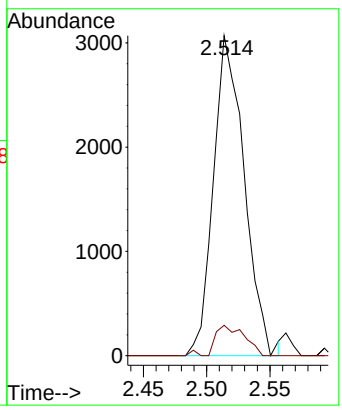


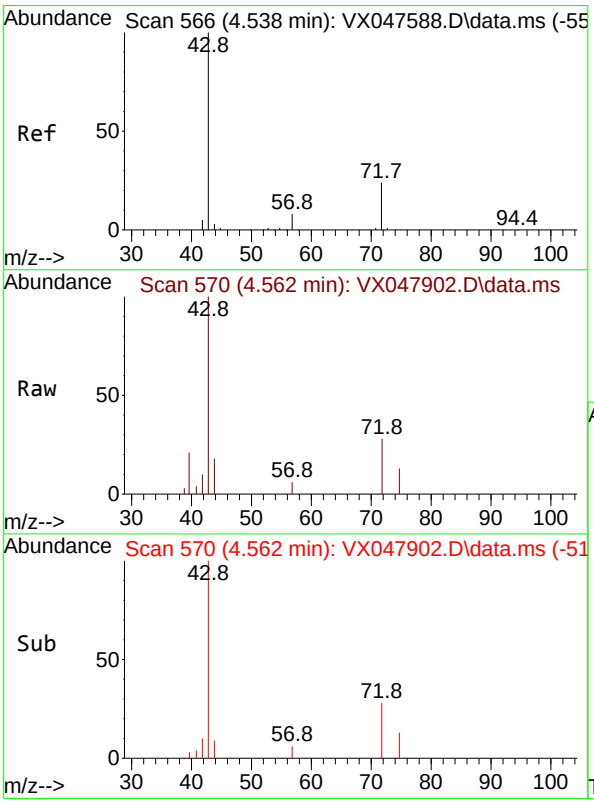
#17
Carbon Disulfide
Concen: 1.255 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047902.D
Acq: 30 Sep 2025 12:09

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20250923

Tgt Ion: 76 Resp: 5205

Ion	Ratio	Lower	Upper
76	100		
78	9.5	6.8	10.2

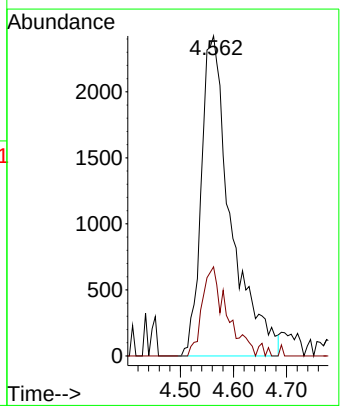


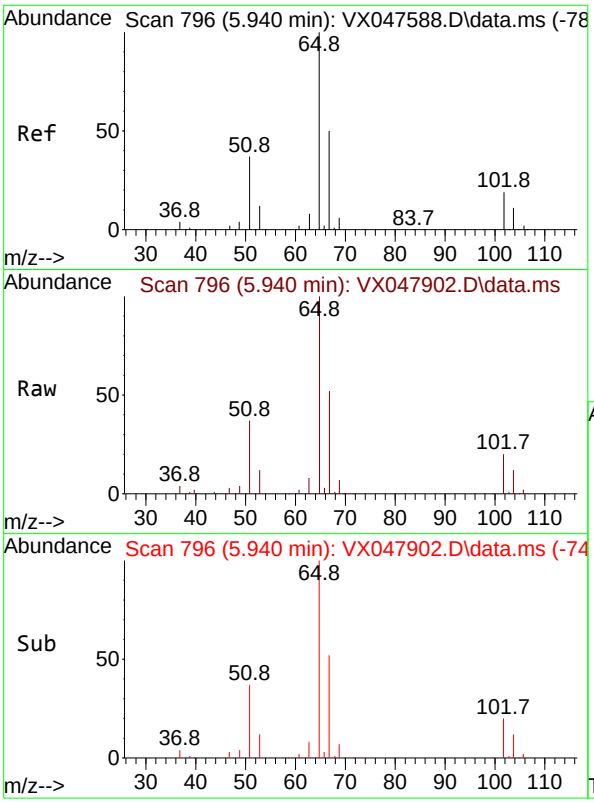


#25
2-Butanone
Concen: 8.510 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.024 min
Lab File: VX047902.D
Acq: 30 Sep 2025 12:09

Tgt Ion: 43 Resp: 9365

Ion	Ratio	Lower	Upper
43	100		
72	27.9	20.1	30.1



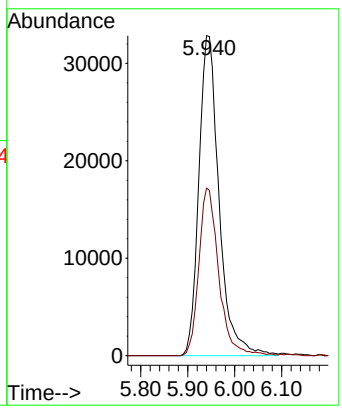


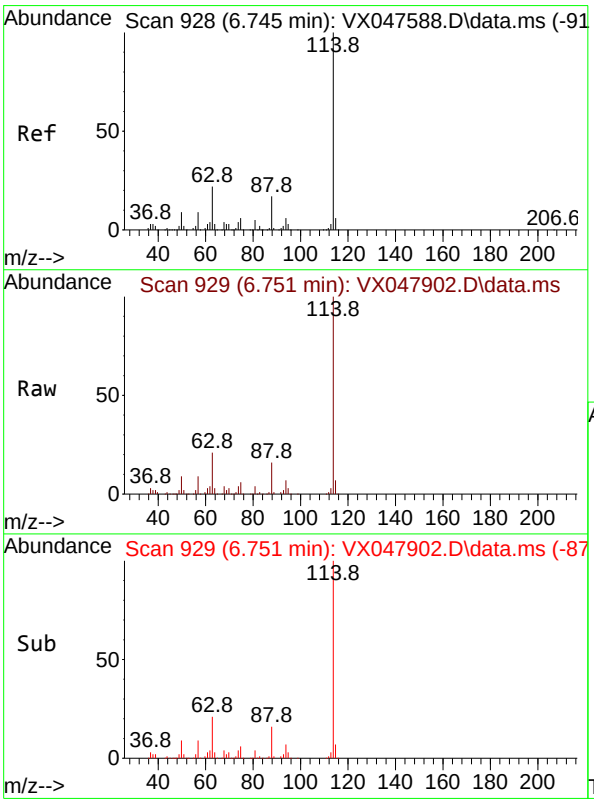
#33
1,2-Dichloroethane-d4
Concen: 48.328 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047902.D
Acq: 30 Sep 2025 12:09

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20250923

Tgt Ion: 65 Resp: 98063

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.0

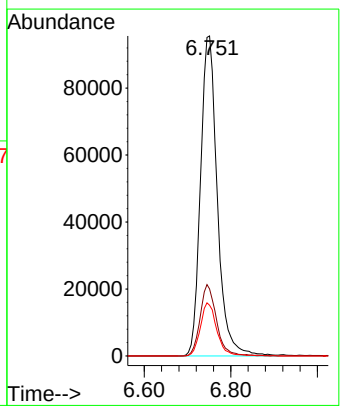


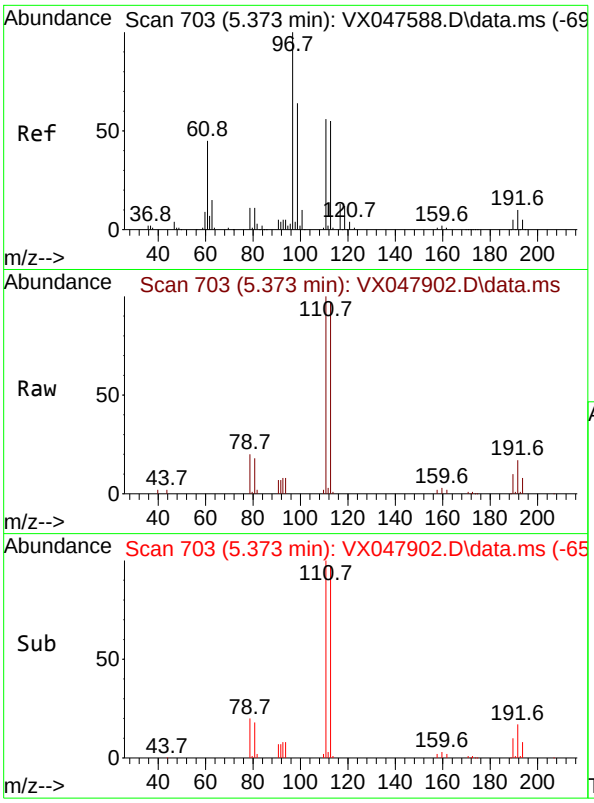


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047902.D
Acq: 30 Sep 2025 12:09

Tgt Ion:114 Resp: 257240

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	44.0
88	15.9	0.0	34.2



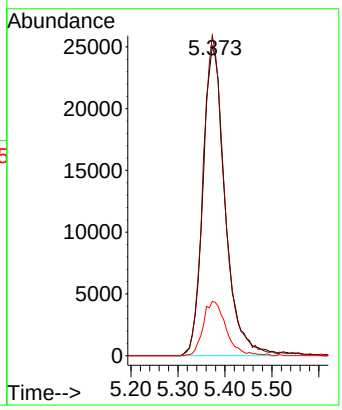


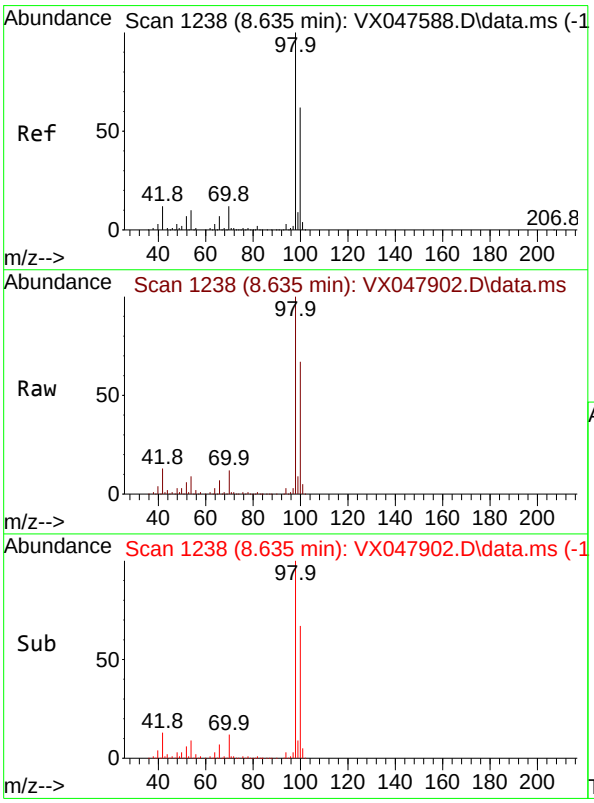
#35
Dibromofluoromethane
Concen: 47.638 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047902.D
Acq: 30 Sep 2025 12:09

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20250923

Tgt Ion:113 Resp: 82184

Ion	Ratio	Lower	Upper
113	100		
111	101.4	80.9	121.3
192	18.2	14.2	21.4

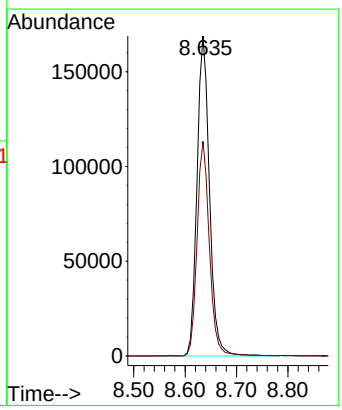


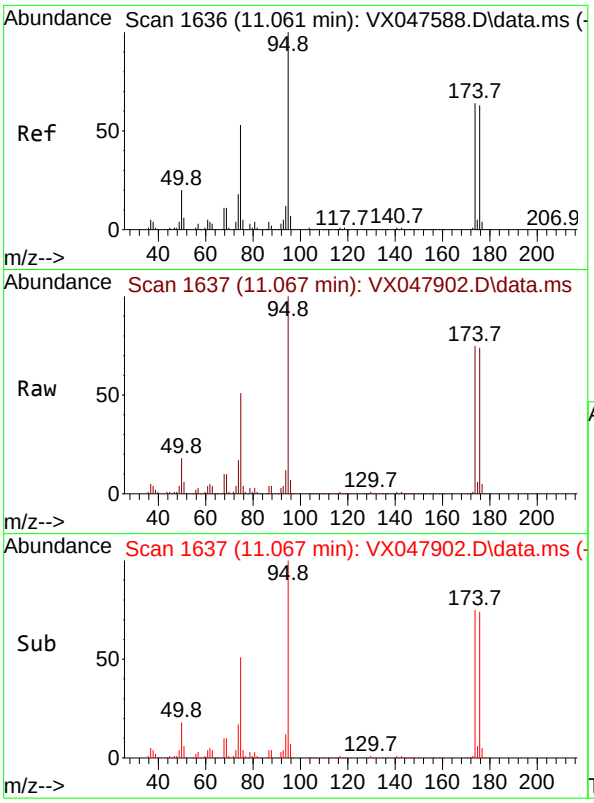


#50
Toluene-d8
Concen: 47.650 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047902.D
Acq: 30 Sep 2025 12:09

Tgt Ion: 98 Resp: 284445

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.0	79.4



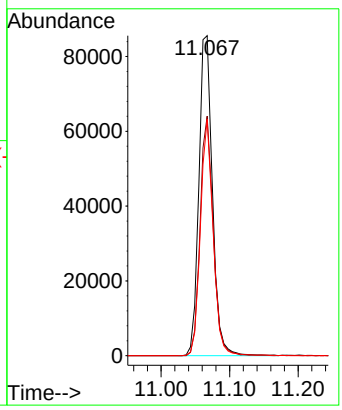


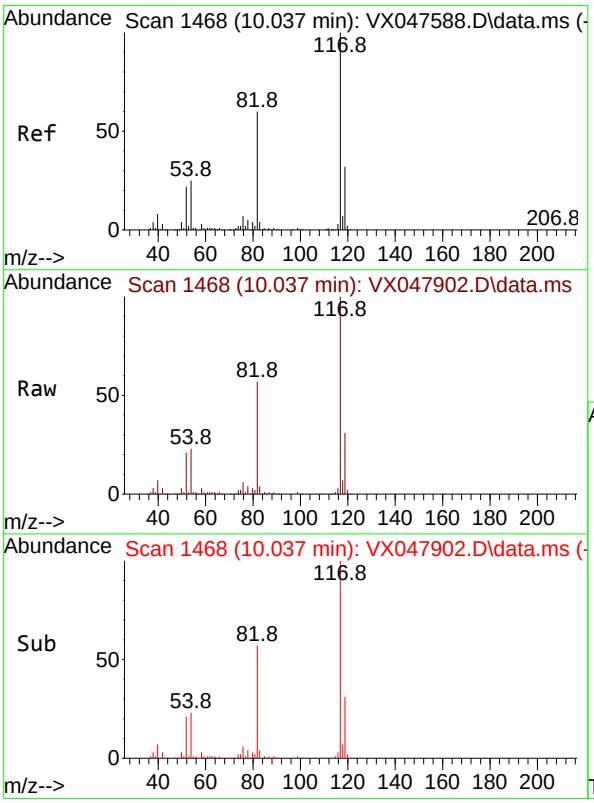
#62
4-Bromofluorobenzene
Concen: 52.148 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047902.D
Acq: 30 Sep 2025 12:09

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20250923

Tgt Ion: 95 Resp: 118144

Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	141.6
176	69.2	0.0	138.4

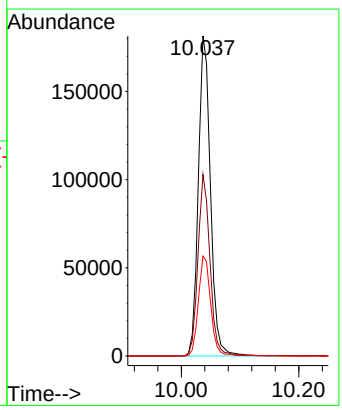


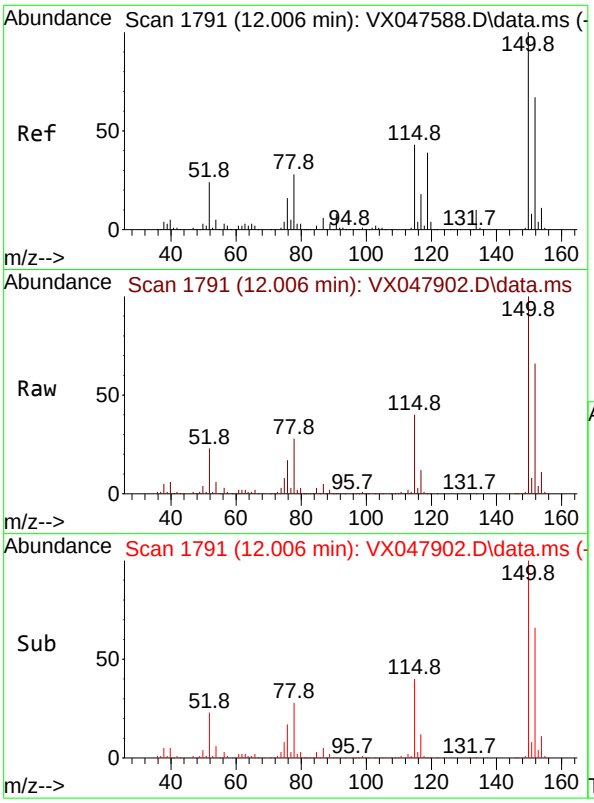


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047902.D
Acq: 30 Sep 2025 12:09

Tgt Ion:117 Resp: 260569

Ion	Ratio	Lower	Upper
117	100		
82	56.7	47.8	71.6
119	31.2	25.2	37.8



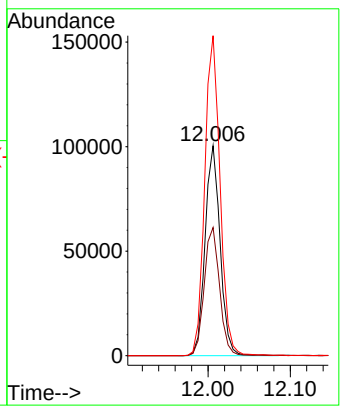


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047902.D
Acq: 30 Sep 2025 12:09

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20250923

Tgt Ion:152 Resp: 127484

Ion	Ratio	Lower	Upper
152	100		
115	62.4	44.9	134.5
150	155.5	0.0	352.0



Sample Results: **VX047902.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047902.D
Acq On : 30 Sep 2025 12:09
Operator : JC/MD
Sample : Q3213-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20250923

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Title : SW846 8260

Signal : TIC: VX047902.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.380	204	212	224	rBV	41329	84887	10.52%	1.853%
2	2.520	230	235	247	rVB2	6846	16251	2.01%	0.355%
3	4.556	561	569	578	rBV2	4120	13365	1.66%	0.292%
4	5.373	691	703	719	rBV4	82633	268246	33.25%	5.855%
5	5.538	719	730	751	rVB	122699	388419	48.15%	8.478%
6	5.946	787	797	815	rBV	88532	262329	32.52%	5.726%
7	6.745	919	928	955	rVB	229963	612609	75.94%	13.371%
8	8.635	1231	1238	1257	rVB	454072	767662	95.16%	16.755%
9	10.037	1462	1468	1484	rBV	557521	806673	100.00%	17.606%
10	11.067	1631	1637	1649	rBV	405080	555140	68.82%	12.116%
11	12.006	1785	1791	1800	rBV	606901	795544	98.62%	17.363%
12	13.707	2066	2070	2075	rBV4	8353	10583	1.31%	0.231%

Sum of corrected areas: 4581708

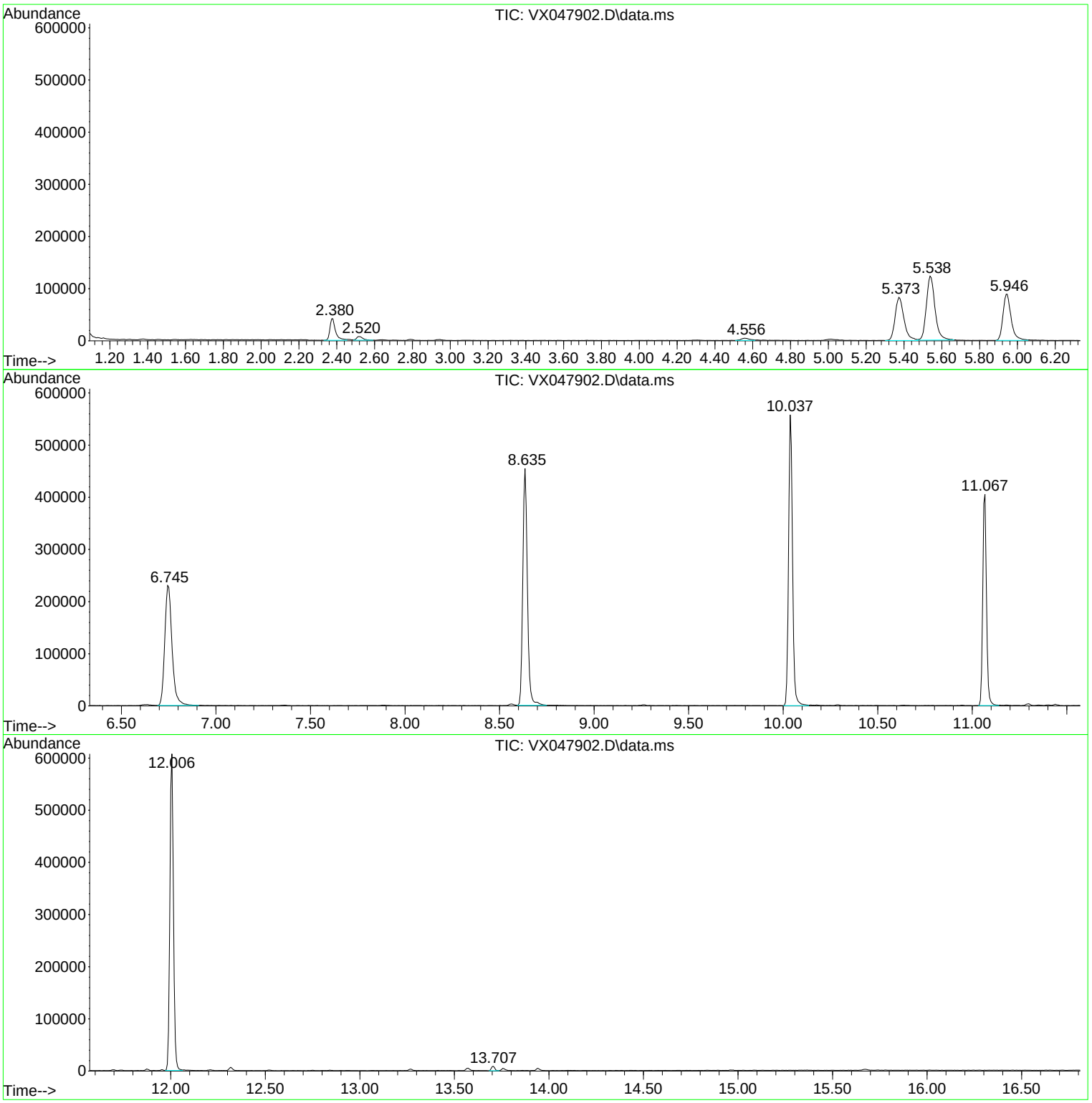
Sample Results: **VX047902.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047902.D
Acq On : 30 Sep 2025 12:09
Operator : JC/MD
Sample : Q3213-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20250923

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047902.D
Acq On : 30 Sep 2025 12:09
Operator : JC/MD
Sample : Q3213-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20250923

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047902.D
Acq On : 30 Sep 2025 12:09
Operator : JC/MD
Sample : Q3213-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20250923

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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: Alliance Contract: TETR06

Lab Code: ACE SDG No.: Q3213

Instrument ID: MSVOA_X Calibration Date(s): 09/16/2025 09/16/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:23 12:01

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VX047585.D RRF005 = VX047586.D RRF020 = VX047587.D
RRF050 = VX047588.D RRF100 = VX047589.D RRF150 = VX047590.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.447	0.575	0.582	0.501	0.510	0.492	0.518	10
Chloromethane	0.610	0.749	0.739	0.661	0.677	0.647	0.680	7.9
Vinyl Chloride	0.572	0.713	0.716	0.661	0.677	0.658	0.666	7.9
Bromomethane		0.493	0.451	0.424	0.423	0.321	0.422	15
Chloroethane	0.433	0.450	0.469	0.443	0.450	0.426	0.445	3.4
Trichlorofluoromethane	0.865	1.033	1.038	0.995	1.018	0.986	0.989	6.5
1,1,2-Trichlorotrifluoroethane	0.519	0.591	0.603	0.583	0.590	0.583	0.578	5.2
1,1-Dichloroethene	0.526	0.612	0.618	0.604	0.609	0.596	0.594	5.7
Acetone	0.343	0.416	0.400	0.317	0.302	0.299	0.346	14.7
Carbon Disulfide	1.555	1.735	1.758	1.566	1.589	1.555	1.626	5.8
Methyl tert-butyl Ether	1.884	2.238	2.221	2.247	2.212	2.209	2.169	6.5
Methyl Acetate	0.612	0.673	0.714	0.876	0.865	0.881	0.770	15.4
Methylene Chloride	0.718	0.772	0.754	0.730	0.716	0.705	0.732	3.5
trans-1,2-Dichloroethene	0.543	0.703	0.665	0.649	0.643	0.635	0.640	8.3
1,1-Dichloroethane	1.090	1.325	1.299	1.297	1.287	1.278	1.263	6.8
Cyclohexane		1.161	1.092	1.030	0.984	0.993	1.052	7.1
2-Butanone	0.370	0.470	0.473	0.439	0.414	0.424	0.432	9
Carbon Tetrachloride	0.482	0.574	0.555	0.539	0.526	0.518	0.532	6
cis-1,2-Dichloroethene	0.698	0.806	0.803	0.808	0.787	0.797	0.783	5.4
Bromochloromethane	0.457	0.607	0.450	0.577	0.587	0.630	0.551	14.2
Chloroform	1.034	1.364	1.366	1.323	1.282	1.288	1.276	9.7
1,1,1-Trichloroethane	0.901	1.123	1.141	1.127	1.100	1.103	1.082	8.3
Methylcyclohexane	0.490	0.589	0.591	0.565	0.548	0.554	0.556	6.6
Benzene	1.330	1.577	1.566	1.523	1.473	1.459	1.488	6.1
1,2-Dichloroethane	0.513	0.595	0.600	0.582	0.554	0.553	0.566	5.8
Trichloroethene	0.296	0.382	0.382	0.370	0.364	0.363	0.360	8.9
1,2-Dichloropropane	0.326	0.403	0.394	0.397	0.382	0.384	0.381	7.4
Bromodichloromethane	0.461	0.599	0.601	0.607	0.579	0.586	0.572	9.7
4-Methyl-2-Pentanone	0.390	0.493	0.503	0.511	0.479	0.487	0.477	9.3
Toluene	0.841	0.967	0.960	0.940	0.897	0.897	0.917	5.2

* 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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG No.: Q3213

Instrument ID: MSVOA_X | Calibration Date(s): 09/16/2025 09/16/2025

Heated Purge: (Y/N) N | Calibration Time(s): 09:23 12:01

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VX047585.D RRF005 = VX047586.D RRF020 = VX047587.D
RRF050 = VX047588.D RRF100 = VX047589.D RRF150 = VX047590.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.487	0.588	0.602	0.619	0.595	0.611	0.584	8.3
cis-1,3-Dichloropropene	0.513	0.652	0.644	0.653	0.637	0.644	0.624	8.7
1,1,2-Trichloroethane	0.323	0.365	0.371	0.367	0.344	0.351	0.354	5.1
2-Hexanone	0.274	0.374	0.372	0.360	0.333	0.343	0.343	10.8
Dibromochloromethane	0.321	0.414	0.431	0.435	0.421	0.422	0.407	10.5
1,2-Dibromoethane	0.287	0.379	0.384	0.379	0.364	0.367	0.360	10.1
Tetrachloroethene	0.299	0.354	0.342	0.326	0.320	0.314	0.326	6
Chlorobenzene	0.998	1.182	1.177	1.178	1.139	1.142	1.136	6.2
Ethyl Benzene	1.625	2.077	2.049	2.039	1.996	1.973	1.960	8.6
m/p-Xylenes	0.604	0.774	0.765	0.765	0.739	0.730	0.729	8.8
o-Xylene	0.576	0.734	0.734	0.749	0.721	0.719	0.706	9.1
Styrene	1.019	1.288	1.290	1.299	1.257	1.265	1.236	8.7
Bromoform	0.221	0.293	0.301	0.313	0.312	0.317	0.293	12.4
Isopropylbenzene	3.124	3.907	3.986	4.047	3.907	3.839	3.801	8.9
1,1,2,2-Tetrachloroethane	0.965	1.182	1.203	1.225	1.152	1.173	1.150	8.2
1,3-Dichlorobenzene	1.462	1.800	1.829	1.817	1.768	1.758	1.739	8
1,4-Dichlorobenzene	1.570	1.890	1.868	1.832	1.767	1.783	1.785	6.5
1,2-Dichlorobenzene	1.359	1.691	1.757	1.746	1.696	1.692	1.657	9
1,2-Dibromo-3-Chloropropane	0.173	0.218	0.242	0.254	0.250	0.260	0.233	14.1
1,2,4-Trichlorobenzene	0.831	1.099	1.107	1.156	1.140	1.126	1.077	11.3
1,2,3-Trichlorobenzene	0.753	0.986	1.031	1.088	1.078	1.073	1.002	12.7
1,2-Dichloroethane-d4		0.884	0.647	0.770	0.815	0.863	0.796	11.8
Dibromofluoromethane		0.356	0.266	0.331	0.355	0.368	0.335	12.3
Toluene-d8		1.237	0.943	1.147	1.211	1.263	1.160	11.1
4-Bromofluorobenzene		0.478	0.360	0.427	0.452	0.484	0.440	11.4

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

Response Factor Report MSVOA_X2

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X091625W.M
Title : SW846 8260
Last Update : Wed Sep 17 06:39:58 2025
Response Via : Initial Calibration

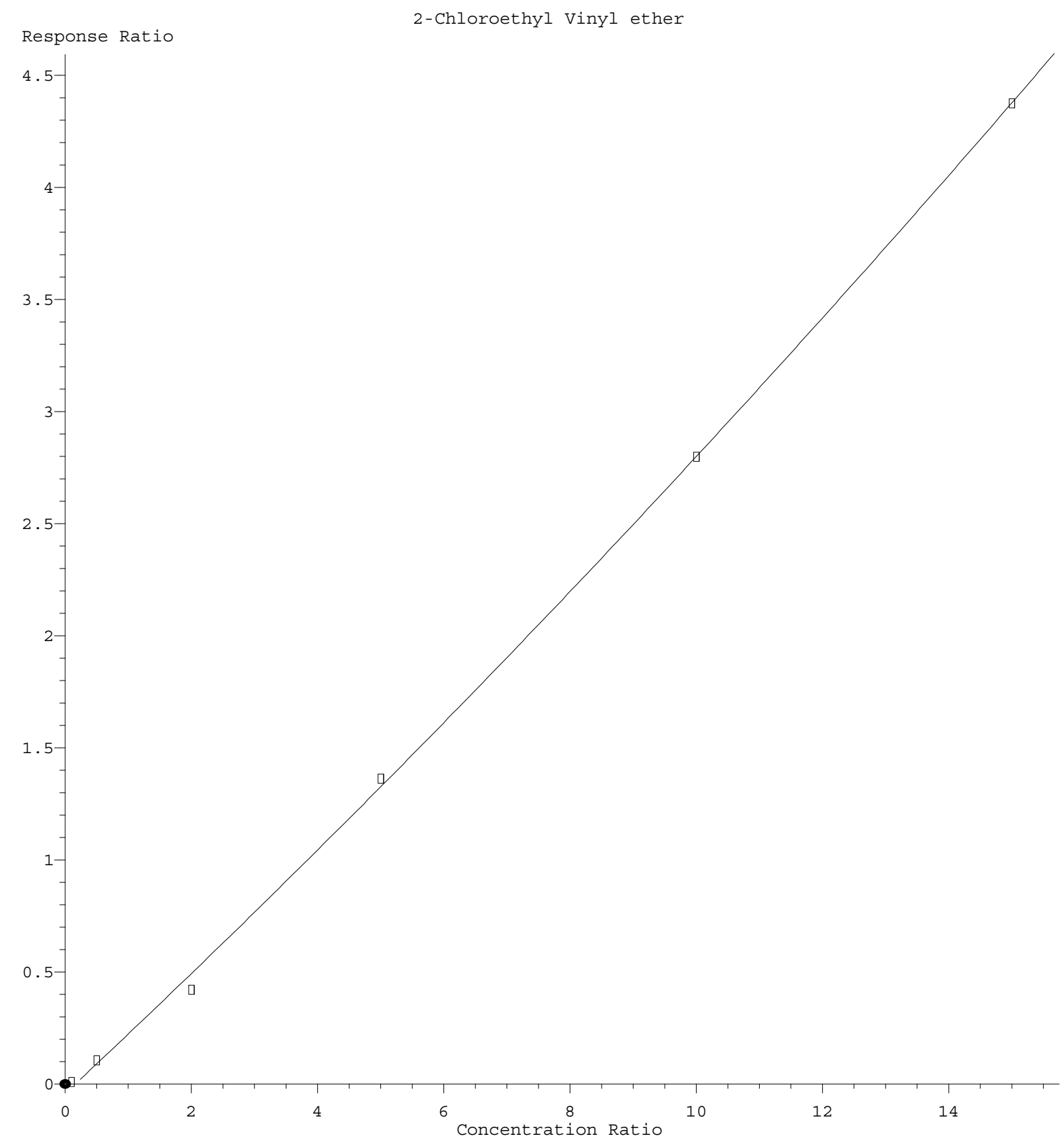
Calibration Files
1 =VX047585.D 5 =VX047586.D 20 =VX047587.D 50 =VX047588.D 100 =VX047589.D 150 =VX047590.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.447	0.575	0.582	0.501	0.510	0.492	0.518	10.01
3)	P	Chloromethane	0.610	0.749	0.739	0.661	0.677	0.647	0.680	7.92
4)	C	Vinyl Chloride	0.572	0.713	0.716	0.661	0.677	0.658	0.666	7.87#
5)	T	Bromomethane		0.493	0.451	0.424	0.423	0.321	0.422	15.01
6)	T	Chloroethane	0.433	0.450	0.469	0.443	0.450	0.426	0.445	3.36
7)	T	Trichlorofluor...	0.865	1.033	1.038	0.995	1.018	0.986	0.989	6.49
8)	T	Diethyl Ether	0.372	0.405	0.413	0.409	0.420	0.409	0.405	4.17
9)	T	1,1,2-Trichlor...	0.519	0.591	0.603	0.583	0.590	0.583	0.578	5.21
10)	T	Methyl Iodide		0.865	0.922	0.911	0.925	0.886	0.902	2.85
11)	T	Tert butyl alc...		0.085	0.086	0.089	0.090	0.094	0.089	4.18
12)	CM	1,1-Dichloroet...	0.526	0.612	0.618	0.604	0.609	0.596	0.594	5.71#
13)	T	Acrolein		0.071	0.069	0.082	0.089	0.097	0.082	14.59
14)	T	Allyl chloride	1.194	1.267	1.249	1.211	1.226	1.207	1.226	2.25
15)	T	Acrylonitrile	0.264	0.329	0.343	0.347	0.343	0.344	0.328	9.82
16)	T	Acetone	0.343	0.416	0.400	0.317	0.302	0.299	0.346	14.67
17)	T	Carbon Disulfide	1.555	1.735	1.758	1.566	1.589	1.555	1.626	5.80
18)	T	Methyl Acetate	0.612	0.673	0.714	0.876	0.865	0.881	0.770	15.39
19)	T	Methyl tert-bu...	1.884	2.238	2.221	2.247	2.212	2.209	2.169	6.47
20)	T	Methylene Chlo...	0.718	0.772	0.754	0.730	0.716	0.705	0.732	3.45
21)	T	trans-1,2-Dich...	0.543	0.703	0.665	0.649	0.643	0.635	0.640	8.28
22)	T	Diisopropyl ether	1.976	2.531	2.487	2.477	2.398	2.384	2.376	8.56
23)	T	Vinyl Acetate	1.541	1.937	2.020	1.992	1.958	1.961	1.901	9.41
24)	P	1,1-Dichloroet...	1.090	1.325	1.299	1.297	1.287	1.278	1.263	6.81
25)	T	2-Butanone	0.370	0.470	0.473	0.439	0.414	0.424	0.432	8.98
26)	T	2,2-Dichloropr...	0.945	1.096	1.074	1.068	1.055	1.060	1.050	5.06
27)	T	cis-1,2-Dichlo...	0.698	0.806	0.803	0.808	0.787	0.797	0.783	5.41
28)	T	Bromochloromet...	0.457	0.607	0.450	0.577	0.587	0.630	0.551	14.18
29)	T	Tetrahydrofuran	0.211	0.269	0.272	0.275	0.262	0.268	0.260	9.24
30)	C	Chloroform	1.034	1.364	1.366	1.323	1.282	1.288	1.276	9.72#
31)	T	Cyclohexane		1.161	1.092	1.030	0.984	0.993	1.052	7.08
32)	T	1,1,1-Trichlor...	0.901	1.123	1.141	1.127	1.100	1.103	1.082	8.33
33)	S	1,2-Dichloroet...		0.884	0.647	0.770	0.815	0.863	0.796	11.82
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.356	0.266	0.331	0.355	0.368	0.335	12.25
36)	T	1,1-Dichloropr...	0.484	0.520	0.508	0.487	0.471	0.469	0.490	4.15
37)	T	Ethyl Acetate	0.429	0.561	0.554	0.532	0.533	0.539	0.525	9.21
38)	T	Carbon Tetrach...	0.482	0.574	0.555	0.539	0.526	0.518	0.532	5.99
39)	T	Methylcyclohexane	0.490	0.589	0.591	0.565	0.548	0.554	0.556	6.60
40)	TM	Benzene	1.330	1.577	1.566	1.523	1.473	1.459	1.488	6.11
41)	T	Methacrylonitrile	0.236	0.264	0.286	0.286	0.282	0.271	0.271	7.13
42)	TM	1,2-Dichloroet...	0.513	0.595	0.600	0.582	0.554	0.553	0.566	5.76
43)	T	Isopropyl Acetate	0.751	0.882	0.889	0.897	0.865	0.879	0.860	6.34
44)	TM	Trichloroethene	0.296	0.382	0.382	0.370	0.364	0.363	0.360	8.92
45)	C	1,2-Dichloropr...	0.326	0.403	0.394	0.397	0.382	0.384	0.381	7.37#
46)	T	Dibromomethane	0.248	0.285	0.289	0.288	0.276	0.277	0.277	5.54
47)	T	Bromodichlorom...	0.461	0.599	0.601	0.607	0.579	0.586	0.572	9.65
48)	T	Methyl methacr...	0.372	0.421	0.447	0.449	0.436	0.446	0.429	6.97
49)	T	1,4-Dioxane	0.003	0.004	0.004	0.005	0.005	0.005	0.004	19.43
50)	S	Toluene-d8		1.237	0.943	1.147	1.211	1.263	1.160	11.10
51)	T	4-Methyl-2-Pen...	0.390	0.493	0.503	0.511	0.479	0.487	0.477	9.28
52)	CM	Toluene	0.841	0.967	0.960	0.940	0.897	0.897	0.917	5.22#
53)	T	t-1,3-Dichloro...	0.487	0.588	0.602	0.619	0.595	0.611	0.584	8.33
54)	T	cis-1,3-Dichlo...	0.513	0.652	0.644	0.653	0.637	0.644	0.624	8.74
55)	T	1,1,2-Trichlor...	0.323	0.365	0.371	0.367	0.344	0.351	0.354	5.10
56)	T	Ethyl methacry...	0.407	0.563	0.587	0.599	0.580	0.595	0.555	13.25

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X091625W.M

57)	T	1,3-Dichloropr...	0.507	0.648	0.636	0.638	0.607	0.609	0.607	8.51
58)	T	2-Chloroethyl ...	0.094	0.212	0.210	0.272	0.280	0.292	0.227	32.65
59)	T	2-Hexanone	0.274	0.374	0.372	0.360	0.333	0.343	0.343	10.82
60)	T	Dibromochlorom...	0.321	0.414	0.431	0.435	0.421	0.422	0.407	10.49
61)	T	1,2-Dibromoethane	0.287	0.379	0.384	0.379	0.364	0.367	0.360	10.10
62)	S	4-Bromofluorob...		0.478	0.360	0.427	0.452	0.484	0.440	11.42
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.299	0.354	0.342	0.326	0.320	0.314	0.326	6.03
65)	PM	Chlorobenzene	0.998	1.182	1.177	1.178	1.139	1.142	1.136	6.18
66)	T	1,1,1,2-Tetrac...	0.327	0.404	0.402	0.414	0.404	0.402	0.392	8.26
67)	C	Ethyl Benzene	1.625	2.077	2.049	2.039	1.996	1.973	1.960	8.57#
68)	T	m/p-Xylenes	0.604	0.774	0.765	0.765	0.739	0.730	0.729	8.77
69)	T	o-Xylene	0.576	0.734	0.734	0.749	0.721	0.719	0.706	9.13
70)	T	Styrene	1.019	1.288	1.290	1.299	1.257	1.265	1.236	8.70
71)	P	Bromoform	0.221	0.293	0.301	0.313	0.312	0.317	0.293	12.37
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.124	3.907	3.986	4.047	3.907	3.839	3.801	8.94
74)	T	N-amyl acetate	1.277	1.726	1.851	1.862	1.834	1.850	1.733	13.21
75)	P	1,1,2,2-Tetrac...	0.965	1.182	1.203	1.225	1.152	1.173	1.150	8.16
76)	T	1,2,3-Trichlor...	0.847	1.023	1.073	1.128	0.939	1.064	1.012	10.13
77)	T	Bromobenzene	0.760	0.964	0.992	0.988	0.960	0.954	0.936	9.38
78)	T	n-propylbenzene	3.680	4.667	4.739	4.792	4.581	4.504	4.494	9.17
79)	T	2-Chlorotoluene	2.276	2.859	2.935	2.915	2.798	2.730	2.752	8.91
80)	T	1,3,5-Trimethy...	2.458	3.235	3.311	3.343	3.221	3.171	3.123	10.62
81)	T	trans-1,4-Dich...		0.347	0.381	0.414	0.420	0.424	0.397	8.31
82)	T	4-Chlorotoluene	2.754	3.347	3.410	3.433	3.285	3.275	3.251	7.74
83)	T	tert-Butylbenzene	2.800	3.223	3.346	3.359	3.240	3.215	3.197	6.39
84)	T	1,2,4-Trimethy...	2.522	3.302	3.381	3.344	3.234	3.216	3.166	10.17
85)	T	sec-Butylbenzene	3.110	4.001	3.945	4.028	3.867	3.834	3.797	9.09
86)	T	p-Isopropyltol...	2.660	3.372	3.371	3.419	3.263	3.205	3.215	8.81
87)	T	1,3-Dichlorobe...	1.462	1.800	1.829	1.817	1.768	1.758	1.739	7.95
88)	T	1,4-Dichlorobe...	1.570	1.890	1.868	1.832	1.767	1.783	1.785	6.47
89)	T	n-Butylbenzene	2.429	3.070	3.114	3.139	3.098	2.999	2.975	9.14
90)	T	Hexachloroethane	0.434	0.565	0.574	0.593	0.606	0.614	0.564	11.81
91)	T	1,2-Dichlorobe...	1.359	1.691	1.757	1.746	1.696	1.692	1.657	8.97
92)	T	1,2-Dibromo-3-...	0.173	0.218	0.242	0.254	0.250	0.260	0.233	14.07
93)	T	1,2,4-Trichlor...	0.831	1.099	1.107	1.156	1.140	1.126	1.077	11.34
94)	T	Hexachlorobuta...	0.341	0.377	0.361	0.384	0.377	0.354	0.366	4.51
95)	T	Naphthalene	2.503	3.153	3.410	3.539	3.496	3.571	3.279	12.46
96)	T	1,2,3-Trichlor...	0.753	0.986	1.031	1.088	1.078	1.073	1.002	12.72

(#) = Out of Range



R = 2.100e-003 A*A + 2.631e-001 A - 4.158e-002
Coef of Det (r^2) = 0.999517 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X091625W.M
Calibration Table Last Updated: Wed Sep 17 06:39:58 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:09:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.537	168	246348	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.745	114	451502	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.037	117	410953	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	201976	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 78 - 117		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 92 - 112		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 83 - 123		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.179	85	2201	0.863	ug/l		96
3) Chloromethane	1.300	50	3006	0.897	ug/l	#	82
4) Vinyl Chloride	1.386	62	2818	0.859	ug/l		95
6) Chloroethane	1.697	64	2134	0.973	ug/l		95
7) Trichlorofluoromethane	1.898	101	4261	0.874	ug/l		88
8) Diethyl Ether	2.130	74	1831	0.919	ug/l		98
9) 1,1,2-Trichlorotrifluo...	2.337	101	2555	0.897	ug/l		93
12) 1,1-Dichloroethene	2.325	96	2594	0.886	ug/l	#	80
14) Allyl chloride	2.666	41	5885	0.974	ug/l		94
15) Acrylonitrile	3.062	53	6500	4.018	ug/l		97
16) Acetone	2.380	43	8444	4.953	ug/l		99
17) Carbon Disulfide	2.520	76	7662	0.956	ug/l	#	91
18) Methyl Acetate	2.703	43	3013	0.794	ug/l		98
19) Methyl tert-butyl Ether	3.111	73	9281	0.869	ug/l	#	89
20) Methylene Chloride	2.788	84	3540	0.981	ug/l		93
21) trans-1,2-Dichloroethene	3.099	96	2676	0.849	ug/l		95
22) Diisopropyl ether	3.751	45	9738	0.832	ug/l	#	87
23) Vinyl Acetate	3.715	43	37962	4.052	ug/l		97
24) 1,1-Dichloroethane	3.611	63	5372	0.863	ug/l		95
25) 2-Butanone	4.550	43	9105	4.281	ug/l	#	83
26) 2,2-Dichloropropane	4.477	77	4657	0.901	ug/l		77
27) cis-1,2-Dichloroethene	4.477	96	3440	0.891	ug/l		96
28) Bromochloromethane	4.879	49	2251	0.829	ug/l	#	93
29) Tetrahydrofuran	4.995	42	5210	4.072	ug/l		98
30) Chloroform	5.074	83	5093	0.810	ug/l		86
32) 1,1,1-Trichloroethane	5.373	97	4439	0.832	ug/l	#	47
36) 1,1-Dichloropropene	5.672	75	4373	0.988	ug/l	#	69
37) Ethyl Acetate	4.702	43	3873	0.818	ug/l	#	91
38) Carbon Tetrachloride	5.659	117	4349	0.905	ug/l		95
39) Methylcyclohexane	7.360	83	4428	0.882	ug/l		94
40) Benzene	6.025	78	12012	0.894	ug/l		98
41) Methacrylonitrile	4.903	41	2128	0.870	ug/l	#	63
42) 1,2-Dichloroethane	6.062	62	4634	0.906	ug/l		80
43) Isopropyl Acetate	6.318	43	6784	0.873	ug/l		94
44) Trichloroethene	7.110	130	2677	0.824	ug/l		78
45) 1,2-Dichloropropane	7.415	63	2945	0.856	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 06:09:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	7.574	93	2240	0.895	ug/l		94
47) Bromodichloromethane	7.805	83	4167	0.806	ug/l	#	92
48) Methyl methacrylate	7.683	41	3355	0.867	ug/l	#	87
49) 1,4-Dioxane	7.653	88	488m	12.477	ug/l		
51) 4-Methyl-2-Pentanone	8.555	43	17596	4.085	ug/l		95
52) Toluene	8.708	92	7595	0.917	ug/l		92
53) t-1,3-Dichloropropene	8.964	75	4398	0.834	ug/l	#	82
54) cis-1,3-Dichloropropene	8.354	75	4635	0.823	ug/l	#	76
55) 1,1,2-Trichloroethane	9.134	97	2918	0.914	ug/l		95
56) Ethyl methacrylate	9.104	69	3679	0.734	ug/l	#	84
57) 1,3-Dichloropropane	9.293	76	4580	0.835	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	4222	9.665	ug/l		99
59) 2-Hexanone	9.415	43	12385	4.003	ug/l		98
60) Dibromochloromethane	9.506	129	2903	0.789	ug/l		87
61) 1,2-Dibromoethane	9.592	107	2596	0.798	ug/l		96
64) Tetrachloroethene	9.256	164	2457	0.917	ug/l		83
65) Chlorobenzene	10.061	112	8202	0.879	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.140	131	2684	0.833	ug/l	#	66
67) Ethyl Benzene	10.177	91	13360	0.829	ug/l		98
68) m/p-Xylenes	10.287	106	9922	1.655	ug/l		99
69) o-Xylene	10.622	106	4734	0.816	ug/l		94
70) Styrene	10.640	104	8377	0.824	ug/l		96
71) Bromoform	10.787	173	1816	0.755	ug/l	#	94
73) Isopropylbenzene	10.945	105	12618	0.822	ug/l		96
74) N-amyl acetate	10.829	43	5159	0.737	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.195	83	3900	0.839	ug/l		96
76) 1,2,3-Trichloropropane	11.225	75	3421m	0.816	ug/l		
77) Bromobenzene	11.183	156	3069	0.811	ug/l		98
78) n-propylbenzene	11.286	91	14866	0.819	ug/l		99
79) 2-Chlorotoluene	11.347	91	9195	0.827	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	9929	0.787	ug/l		99
82) 4-Chlorotoluene	11.439	91	11123	0.847	ug/l		95
83) tert-Butylbenzene	11.695	119	11311	0.876	ug/l		97
84) 1,2,4-Trimethylbenzene	11.731	105	10187	0.796	ug/l		100
85) sec-Butylbenzene	11.872	105	12561	0.819	ug/l		99
86) p-Isopropyltoluene	11.994	119	10744	0.827	ug/l		92
87) 1,3-Dichlorobenzene	11.951	146	5907	0.841	ug/l		98
88) 1,4-Dichlorobenzene	12.024	146	6341m	0.880	ug/l		
89) n-Butylbenzene	12.317	91	9811	0.816	ug/l		97
90) Hexachloroethane	12.524	117	1752	0.768	ug/l		97
91) 1,2-Dichlorobenzene	12.317	146	5491	0.820	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.926	75	698	0.742	ug/l		93
93) 1,2,4-Trichlorobenzene	13.567	180	3358	0.772	ug/l		95
94) Hexachlorobutadiene	13.707	225	1378	0.933	ug/l		93
95) Naphthalene	13.756	128	10112	0.763	ug/l		98
96) 1,2,3-Trichlorobenzene	13.944	180	3043	0.752	ug/l		98

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

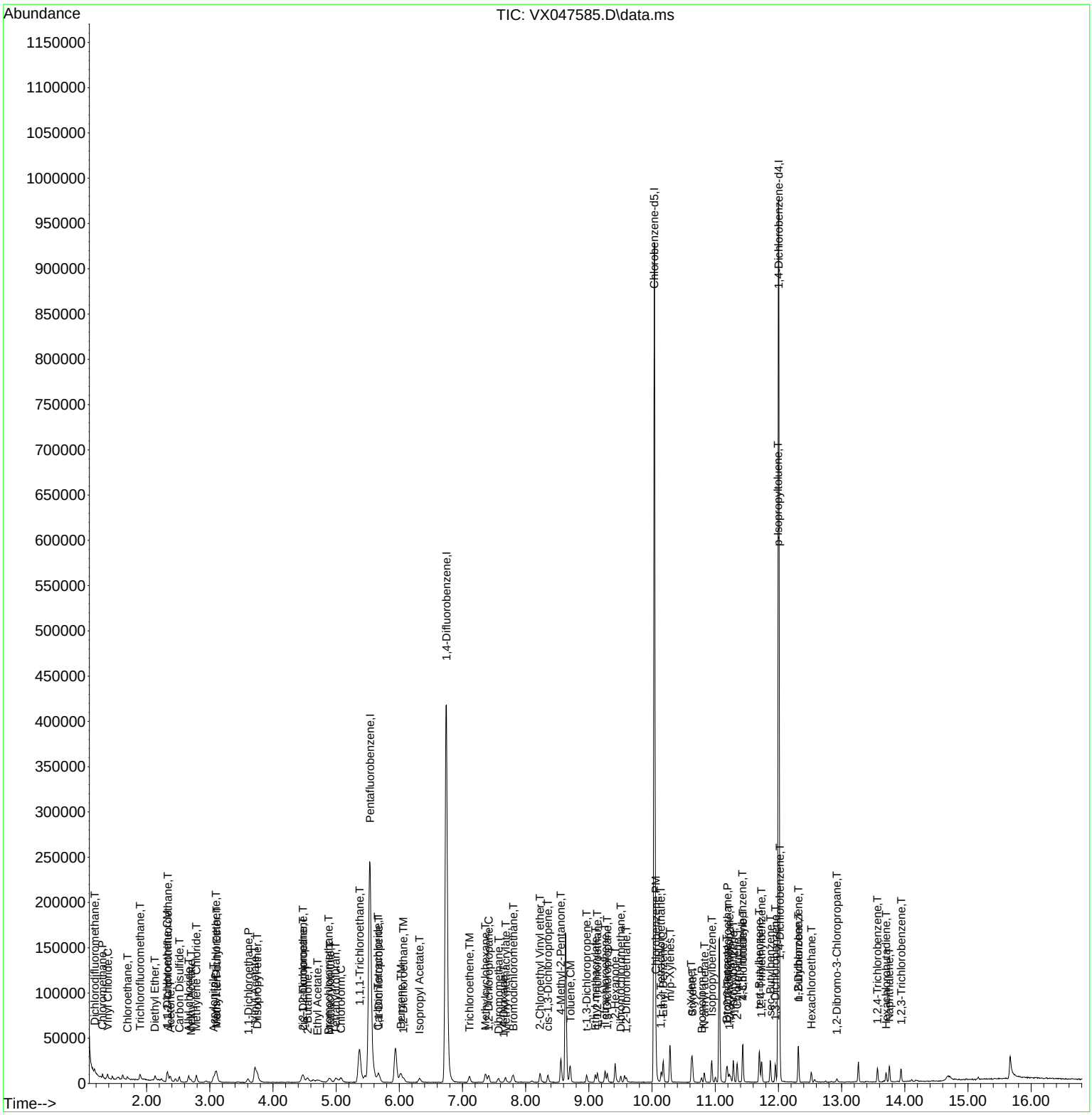
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

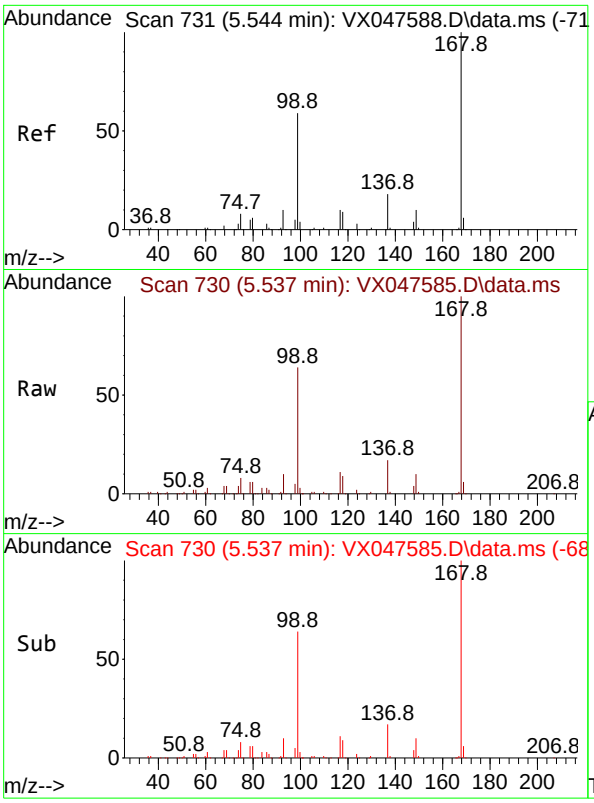
Quant Time: Sep 17 06:09:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

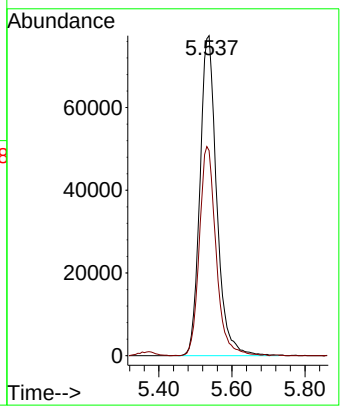




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:168 Resp: 24634

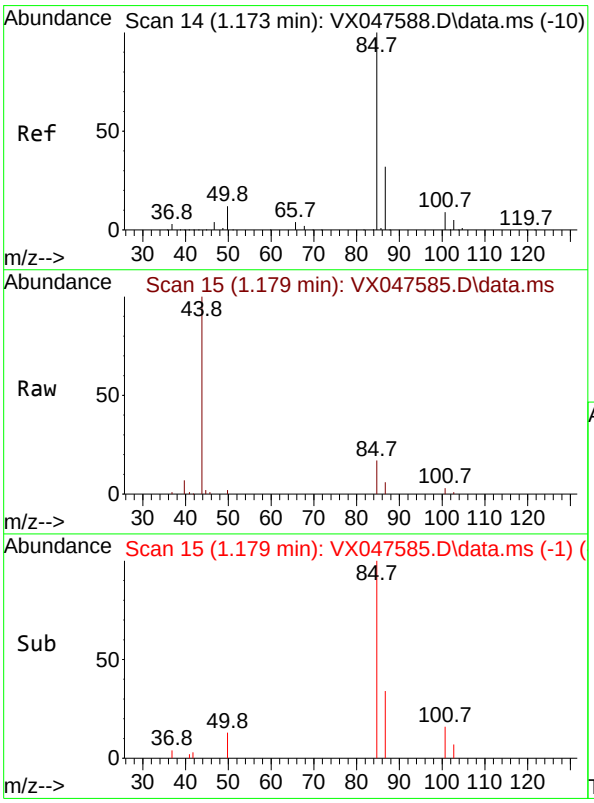
Ion	Ratio	Lower	Upper
168	100		
99	64.0	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

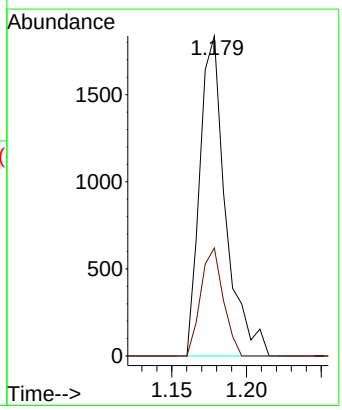
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

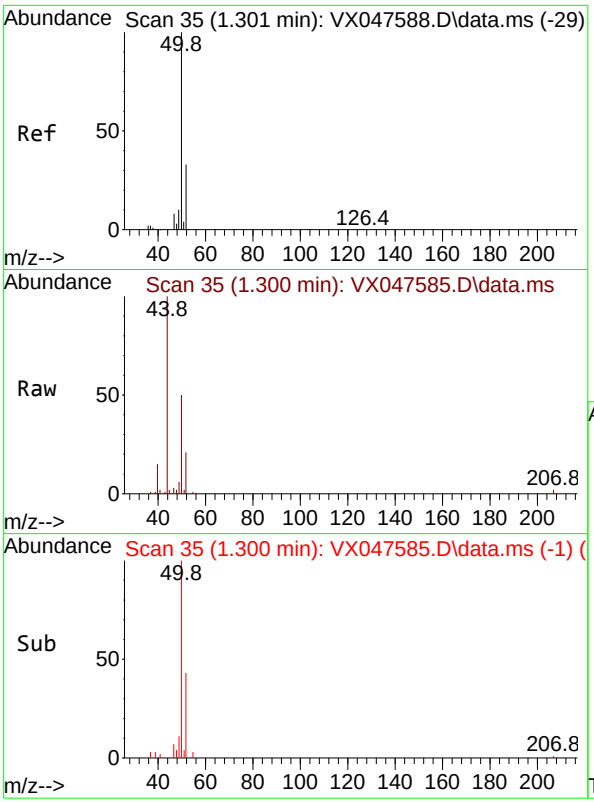


#2
Dichlorodifluoromethane
Concen: 0.863 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 85 Resp: 2201

Ion	Ratio	Lower	Upper
85	100		
87	33.8	15.8	47.3

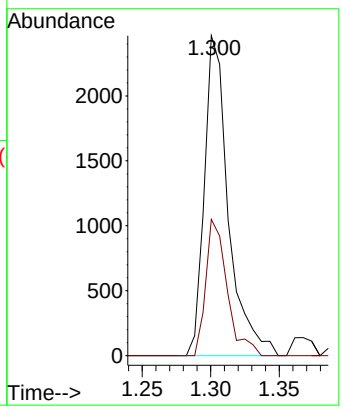




#3
Chloromethane
Concen: 0.897 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 50 Resp: 300

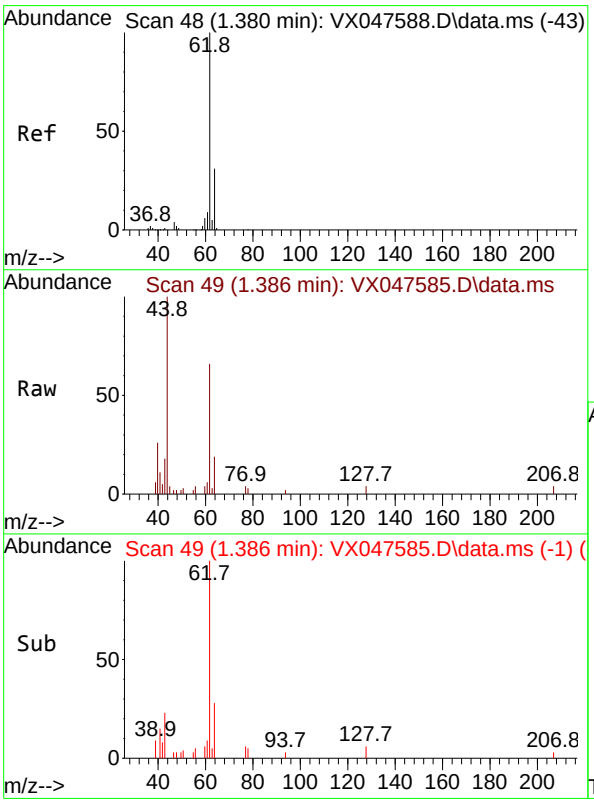
Ion	Ratio	Lower	Upper
50	100		
52	42.6	26.1	39.1#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

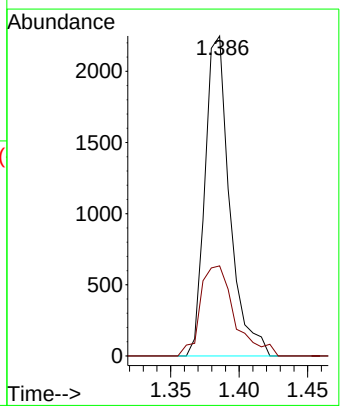
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

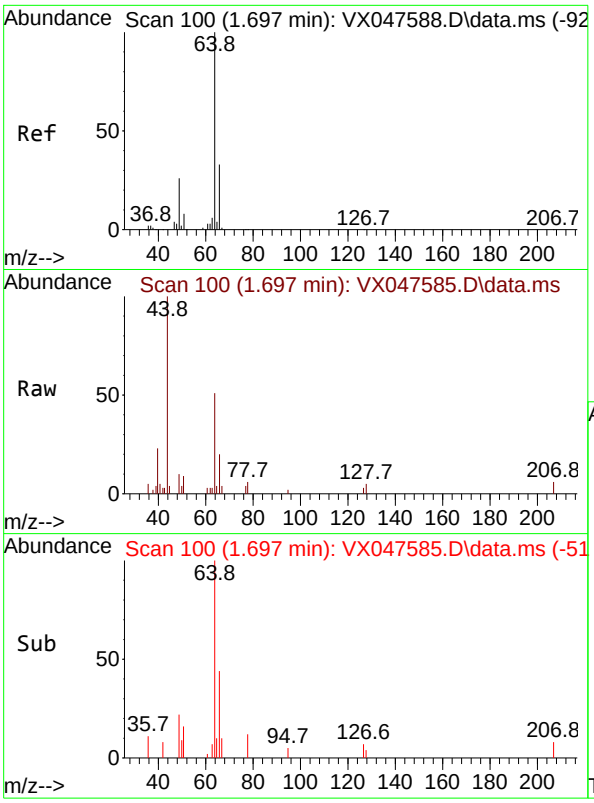


#4
Vinyl Chloride
Concen: 0.859 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 62 Resp: 2818

Ion	Ratio	Lower	Upper
62	100		
64	28.2	24.9	37.3

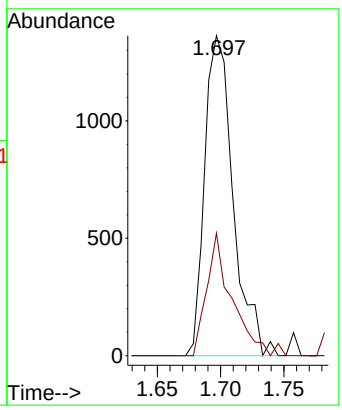




#6
Chloroethane
Concen: 0.973 ug/l
RT: 1.697 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 64 Resp: 213

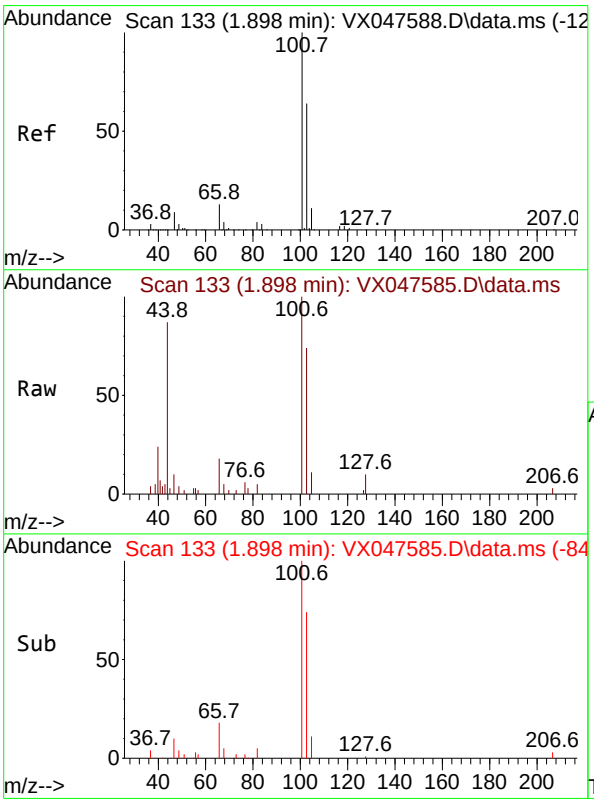
Ion	Ratio	Lower	Upper
64	100		
66	35.4	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

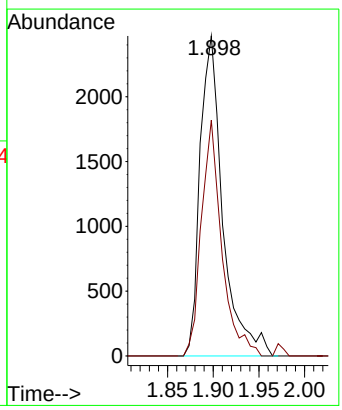
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

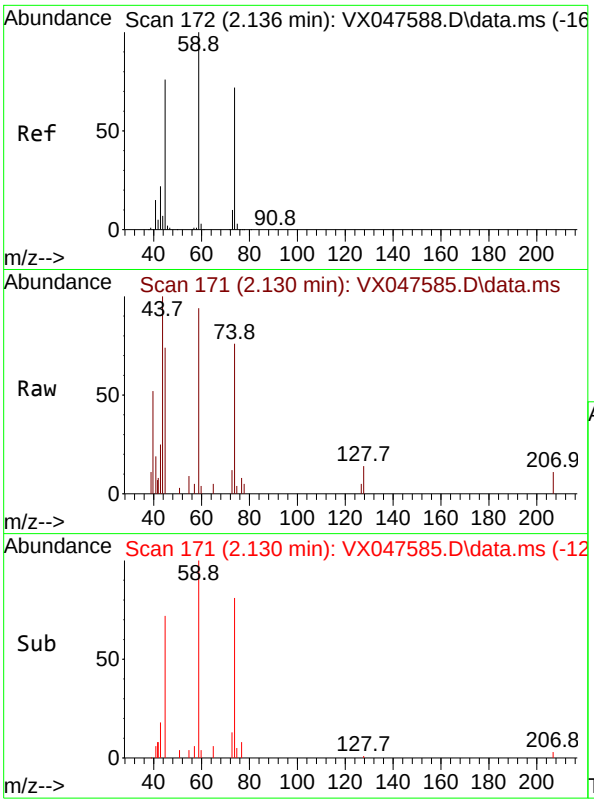


#7
Trichlorofluoromethane
Concen: 0.874 ug/l
RT: 1.898 min Scan# 133
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:101 Resp: 4261

Ion	Ratio	Lower	Upper
101	100		
103	73.7	51.4	77.2





#8
Diethyl Ether
Concen: 0.919 ug/l
RT: 2.130 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

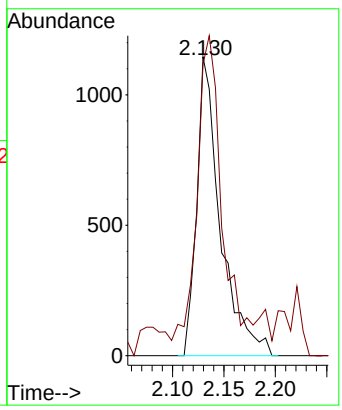
Tgt Ion: 74 Resp: 183

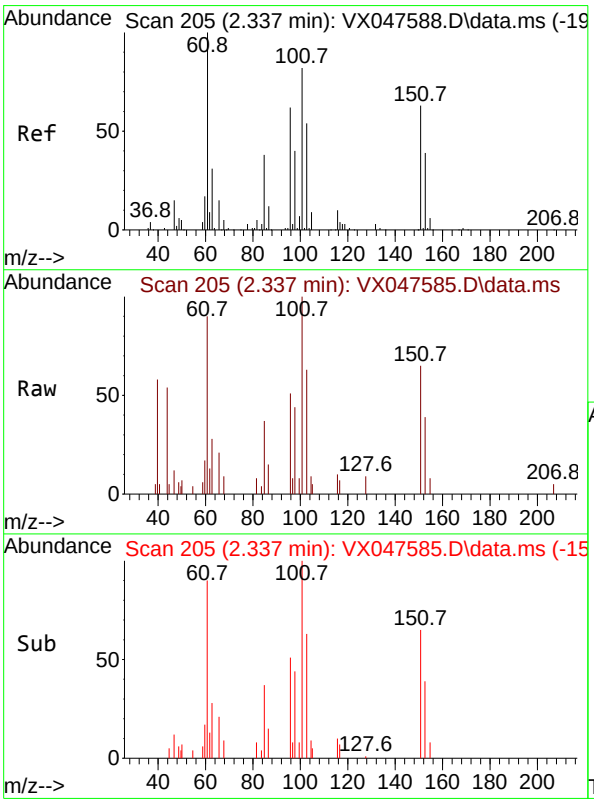
Ion	Ratio	Lower	Upper
74	100		
45	102.2	52.3	156.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

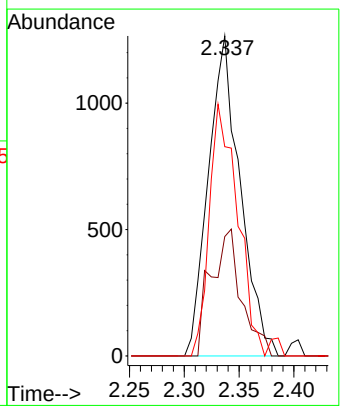


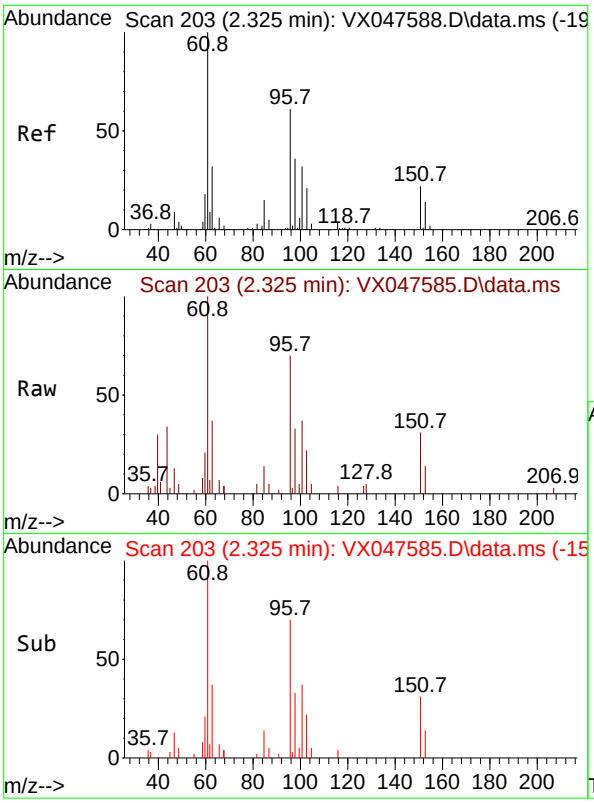


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.897 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:101 Resp: 2555

Ion	Ratio	Lower	Upper
101	100		
85	37.8	35.5	53.3
151	69.9	59.4	89.0

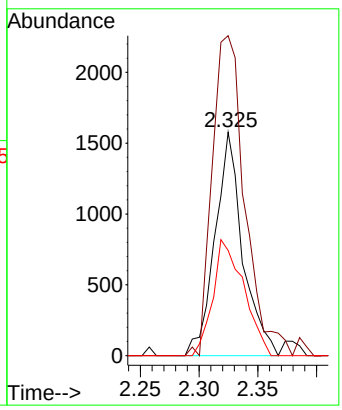




#12
1,1-Dichloroethene
Concen: 0.886 ug/l
RT: 2.325 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 96 Resp: 259

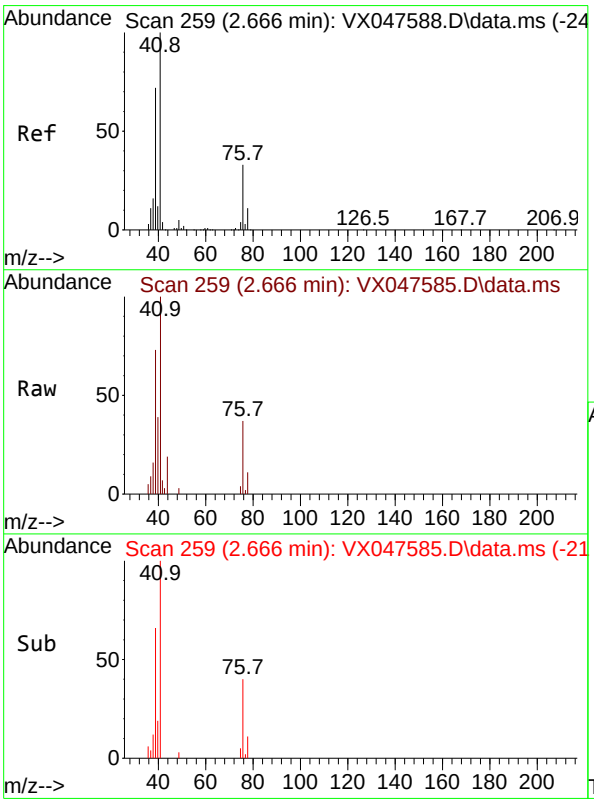
Ion	Ratio	Lower	Upper
96	100		
61	137.3	131.0	196.6
98	45.2	47.7	71.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

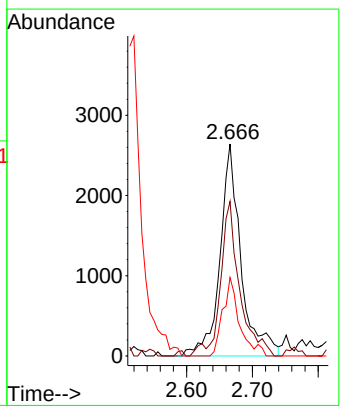
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

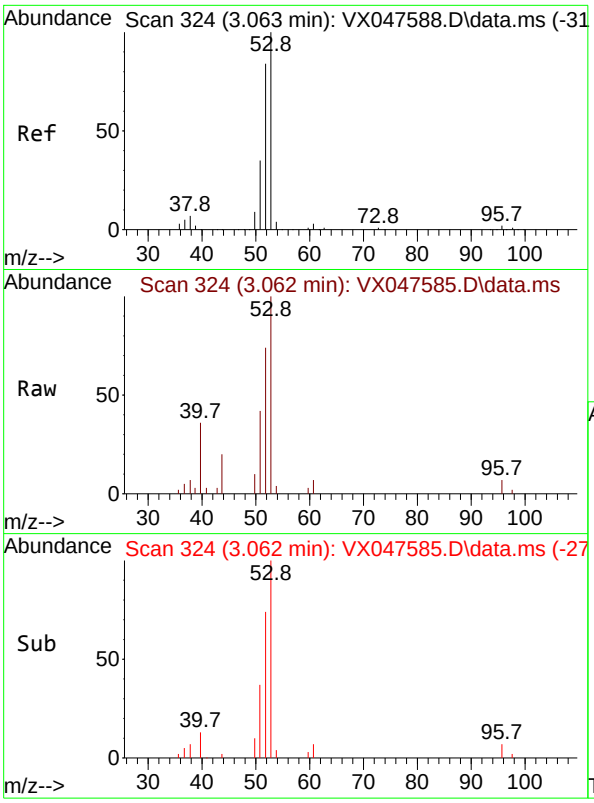


#14
Allyl chloride
Concen: 0.974 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 41 Resp: 5885

Ion	Ratio	Lower	Upper
41	100		
39	63.3	54.7	82.1
76	29.3	25.7	38.5

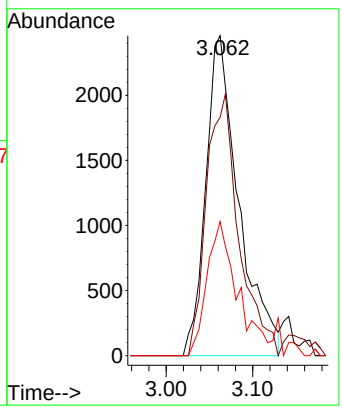




#15
Acrylonitrile
Concen: 4.018 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 53 Resp: 650

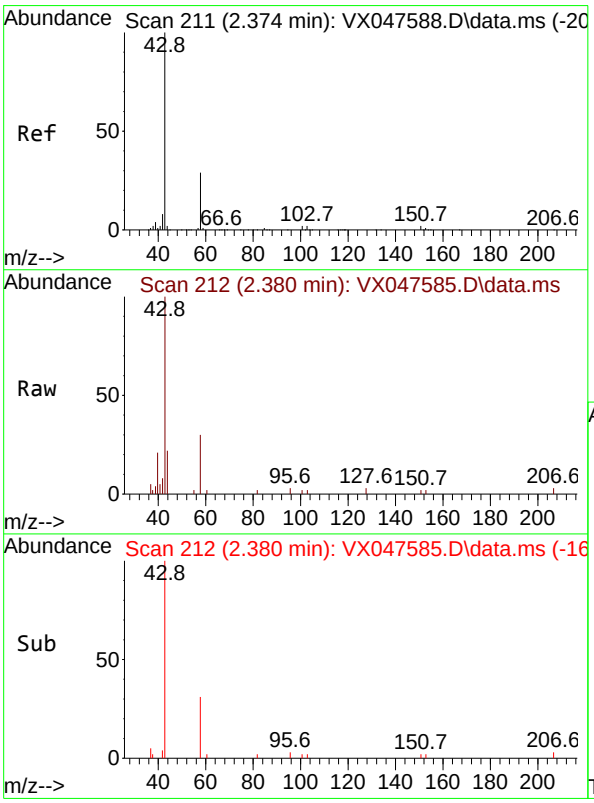
Ion	Ratio	Lower	Upper
53	100		
52	80.3	66.4	99.6
51	38.7	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

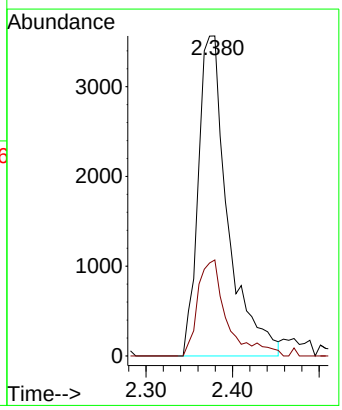
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

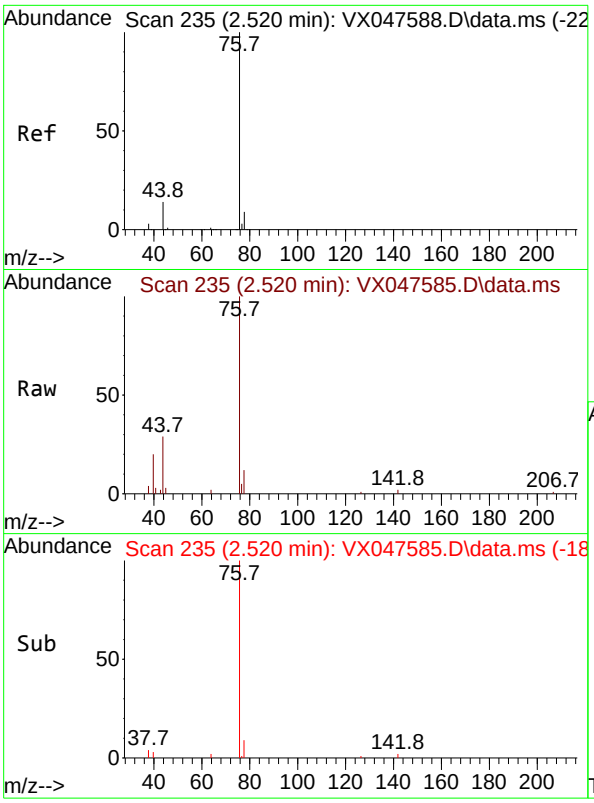


#16
Acetone
Concen: 4.953 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 8444

Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.4	35.0





#17
Carbon Disulfide
Concen: 0.956 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

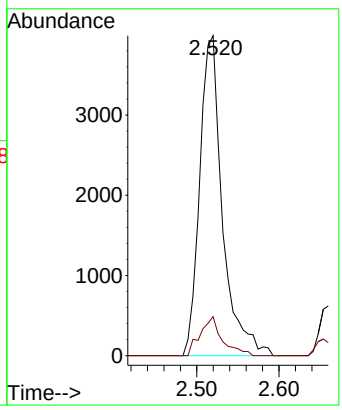
Tgt Ion: 76 Resp: 766

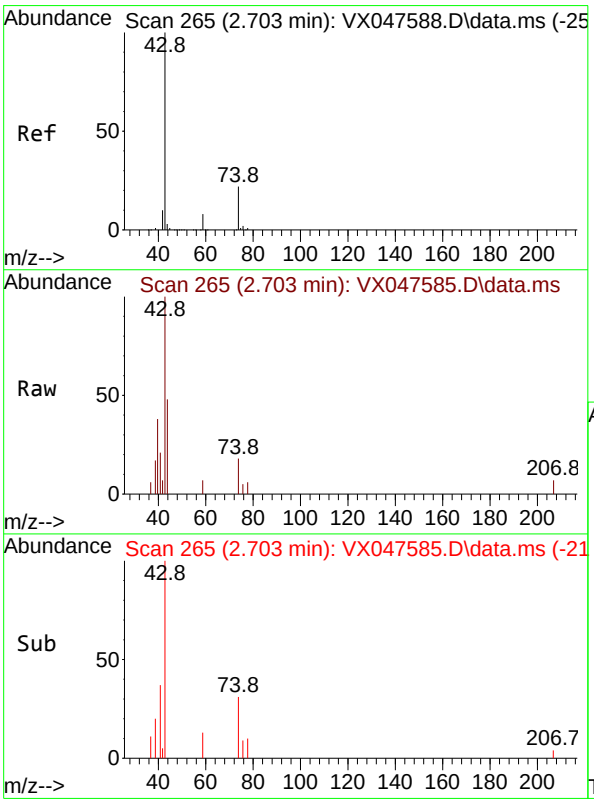
Ion	Ratio	Lower	Upper
76	100		
78	11.6	6.8	10.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

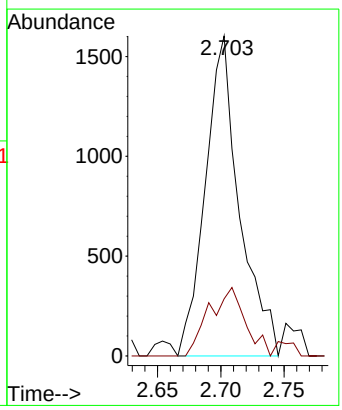


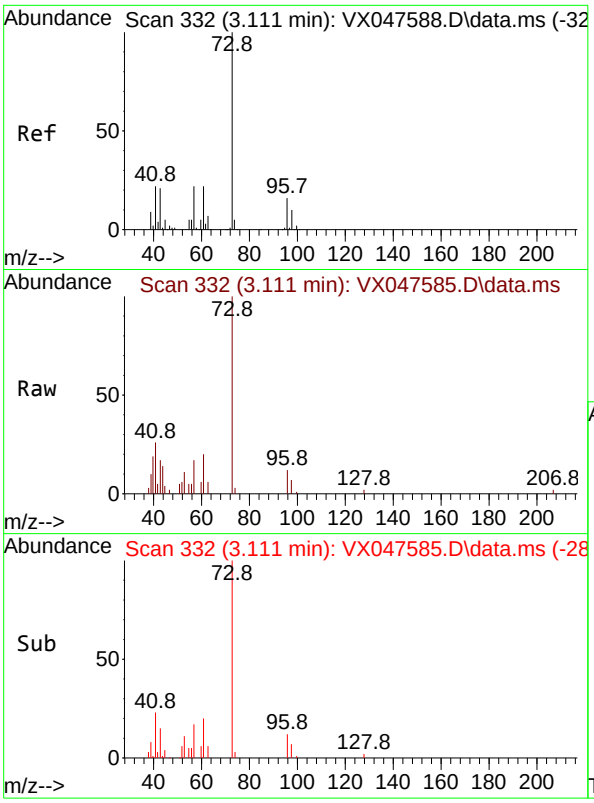


#18
Methyl Acetate
Concen: 0.794 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 3013

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2

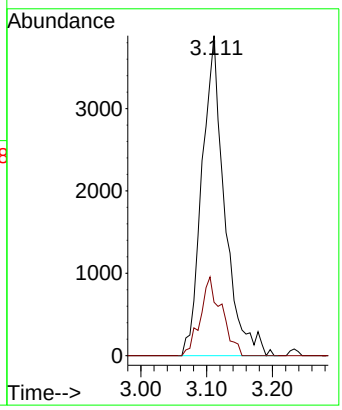




#19
Methyl tert-butyl Ether
Concen: 0.869 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 73 Resp: 928

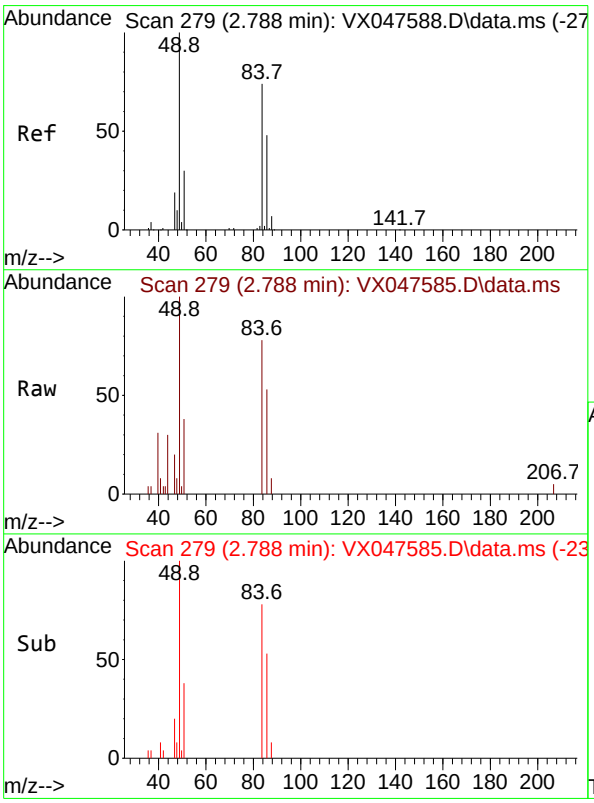
Ion	Ratio	Lower	Upper
73	100		
57	16.7	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

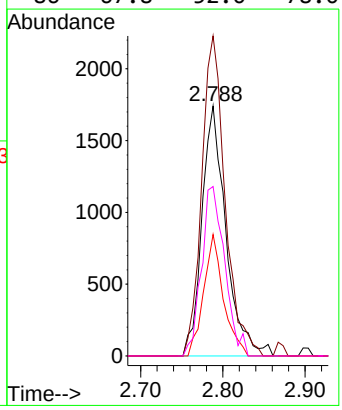
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

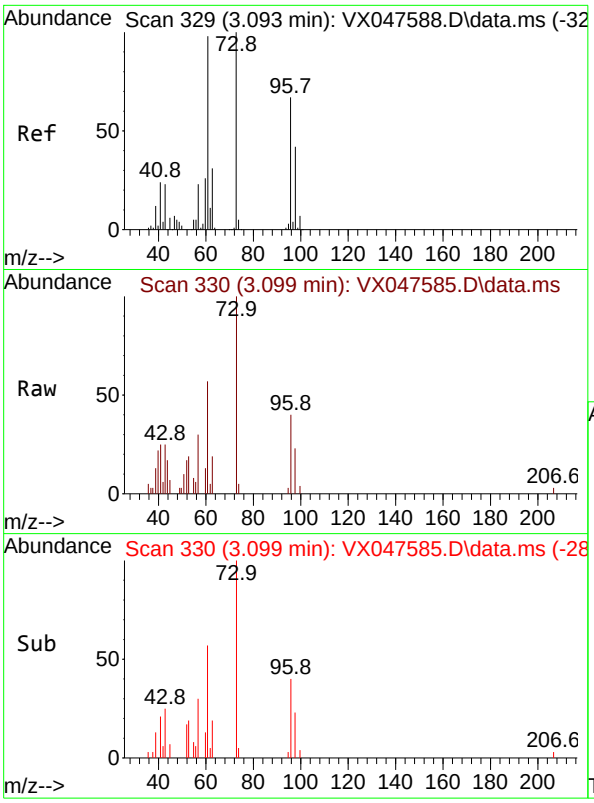


#20
Methylene Chloride
Concen: 0.981 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 84 Resp: 3540

Ion	Ratio	Lower	Upper
84	100		
49	128.0	108.6	162.8
51	48.6	32.6	48.8
86	67.8	52.0	78.0





#21
trans-1,2-Dichloroethene
Concen: 0.849 ug/l
RT: 3.099 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

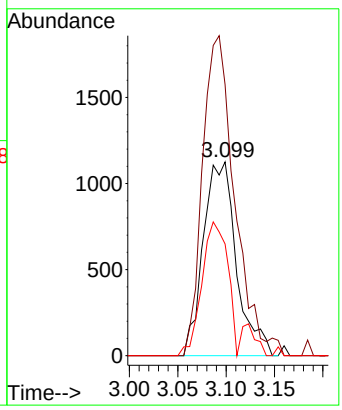
Tgt Ion: 96 Resp: 267

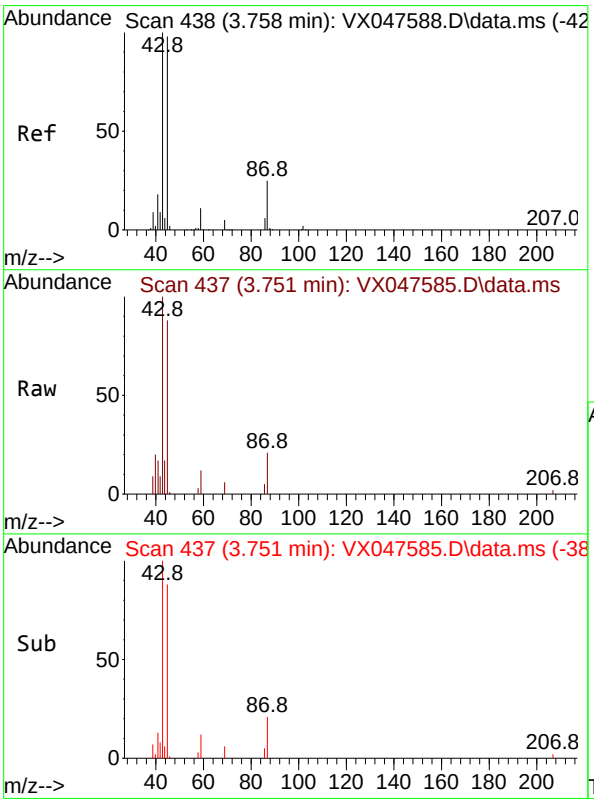
Ion	Ratio	Lower	Upper
96	100		
61	139.9	116.2	174.2
98	57.6	49.3	73.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

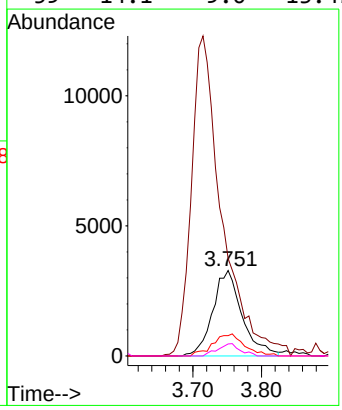


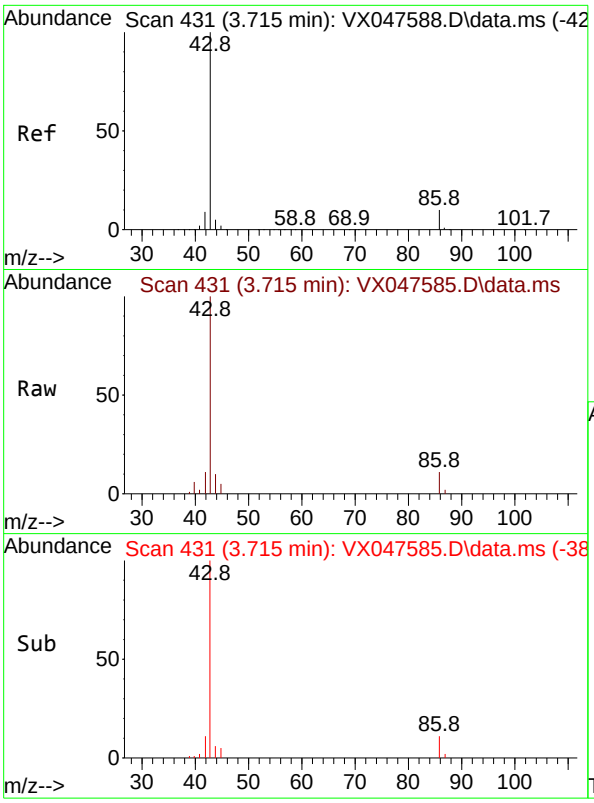


#22
Diisopropyl ether
Concen: 0.832 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 45 Resp: 9738

Ion	Ratio	Lower	Upper
45	100		
43	117.9	81.0	121.4
87	23.7	20.3	30.5
59	14.1	9.0	13.4#





#23
Vinyl Acetate
Concen: 4.052 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

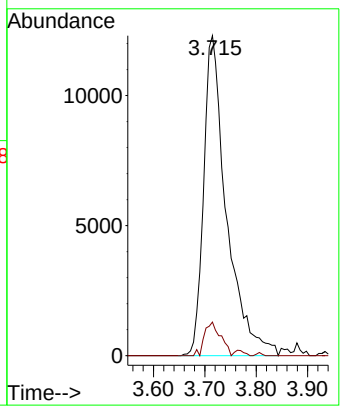
Tgt Ion: 43 Resp: 3796

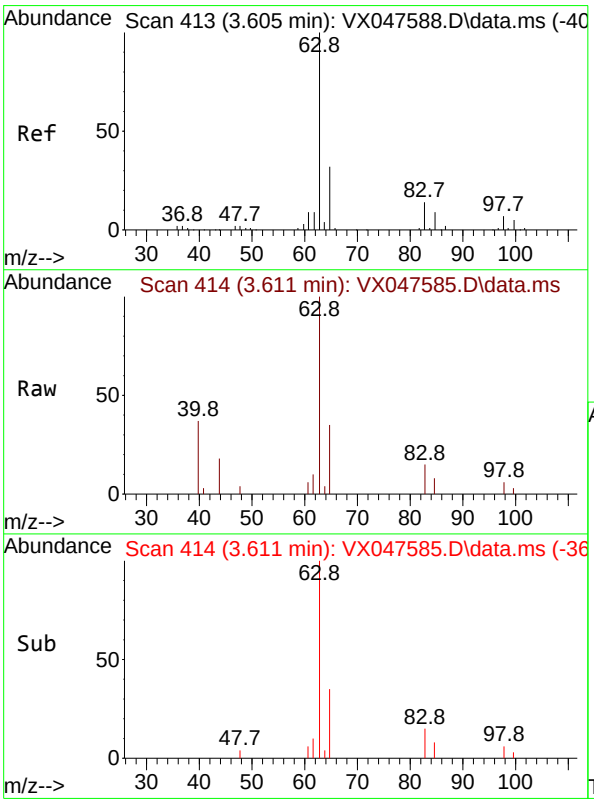
Ion	Ratio	Lower	Upper
43	100		
86	10.9	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

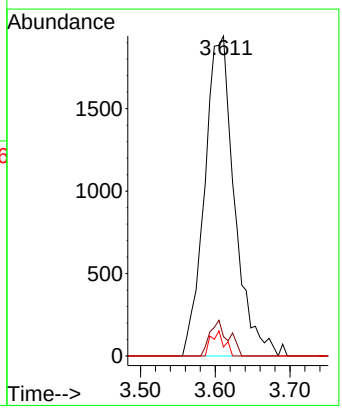


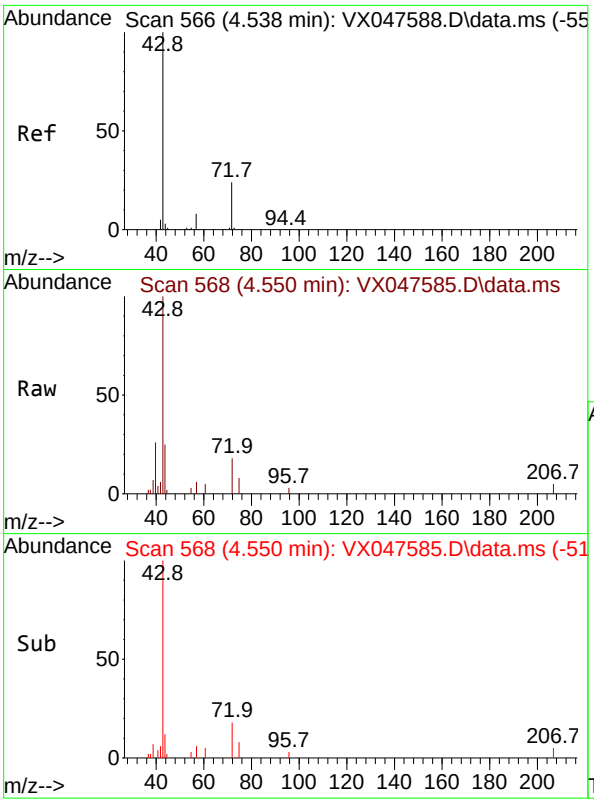


#24
1,1-Dichloroethane
Concen: 0.863 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 63 Resp: 5372

Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.8	11.2
100	2.8	2.3	6.9





#25
2-Butanone
Concen: 4.281 ug/l
RT: 4.550 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

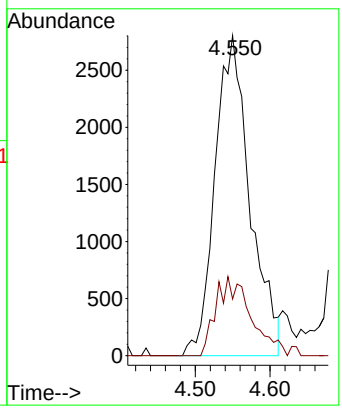
Tgt Ion: 43 Resp: 910

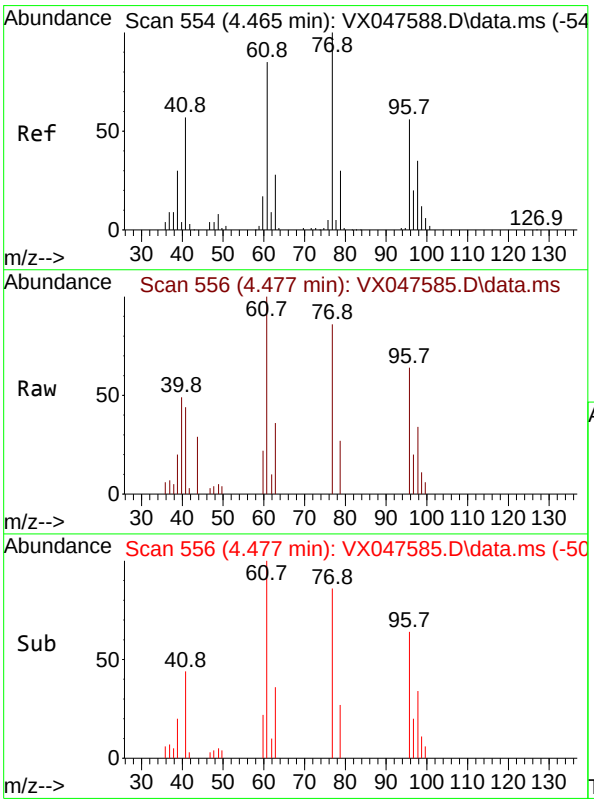
Ion	Ratio	Lower	Upper
43	100		
72	16.3	20.1	30.1#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

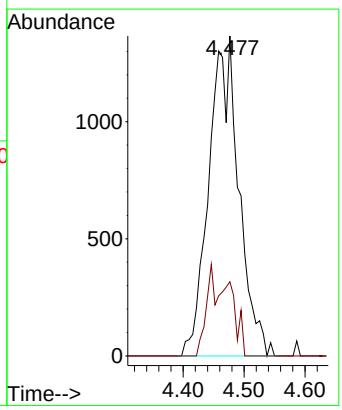


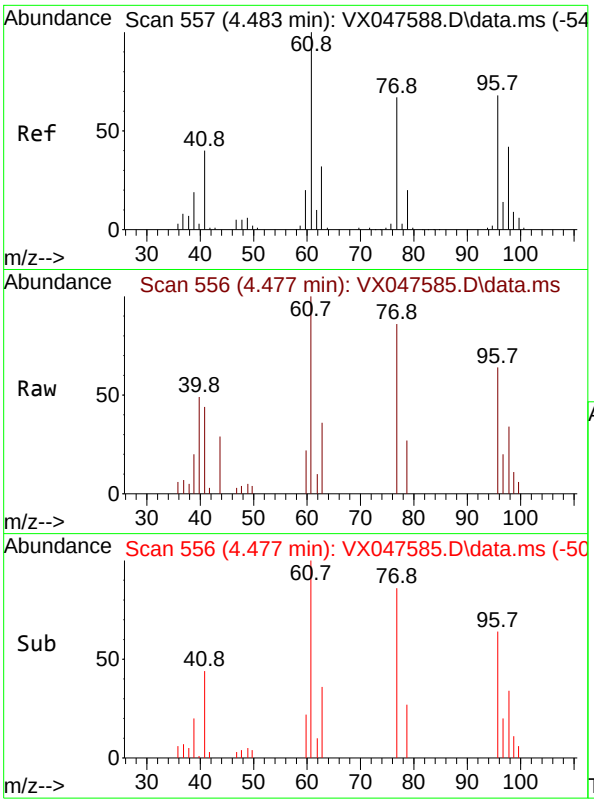


#26
2,2-Dichloropropane
Concen: 0.901 ug/l
RT: 4.477 min Scan# 556
Delta R.T. 0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 77 Resp: 4657

Ion	Ratio	Lower	Upper
77	100		
97	11.0	10.9	32.7

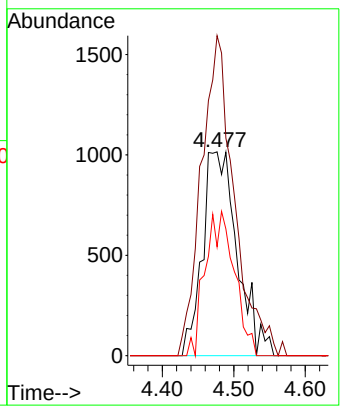




#27
cis-1,2-Dichloroethene
Concen: 0.891 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 96 Resp: 344

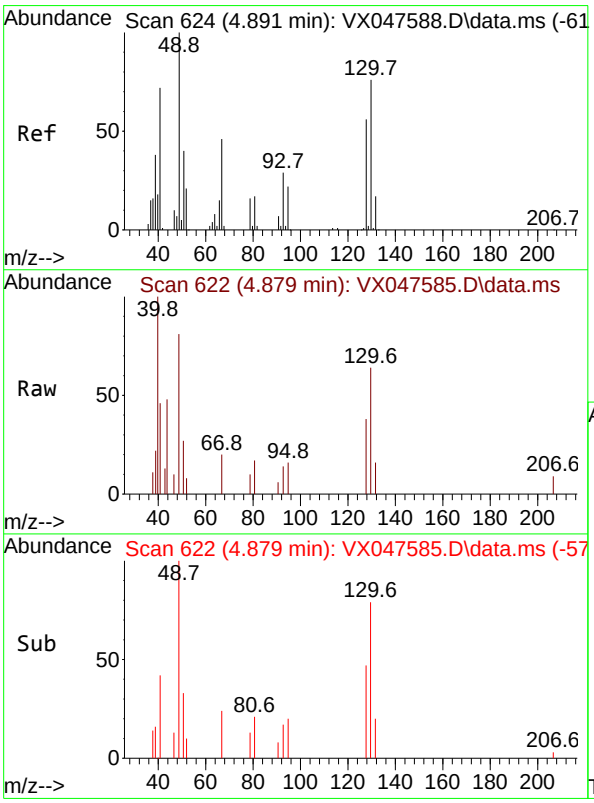
Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	303.2
98	59.4	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

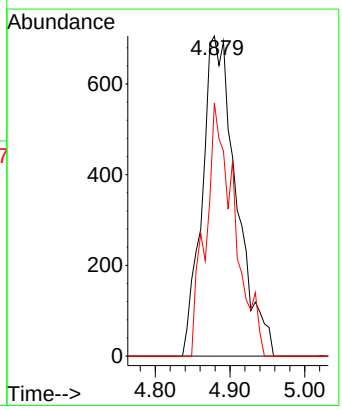
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

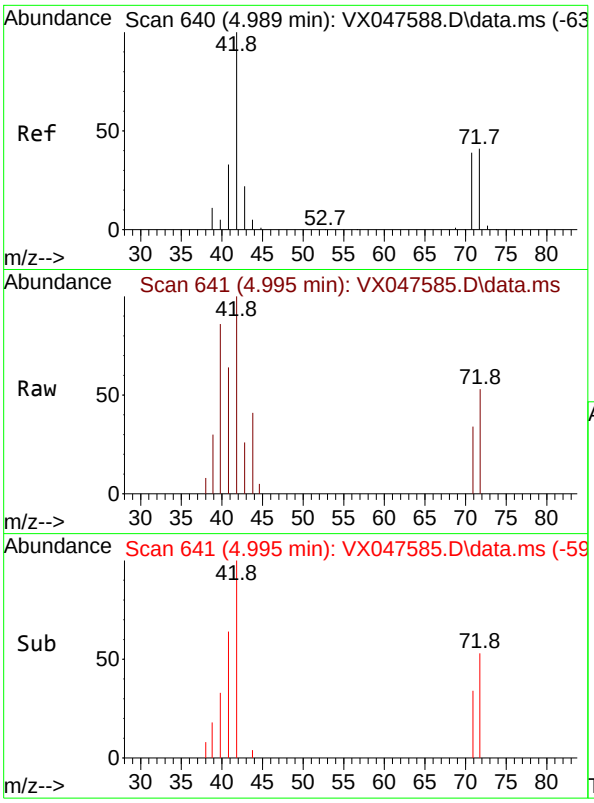


#28
Bromochloromethane
Concen: 0.829 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 49 Resp: 2251

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.2
130	66.2	57.8	86.8





#29
Tetrahydrofuran
Concen: 4.072 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

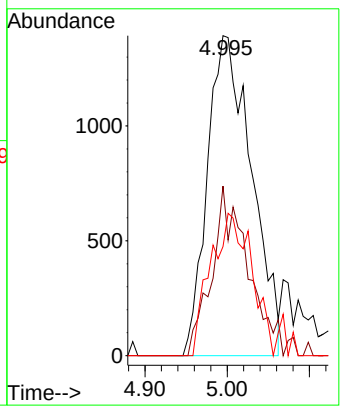
Tgt Ion: 42 Resp: 521

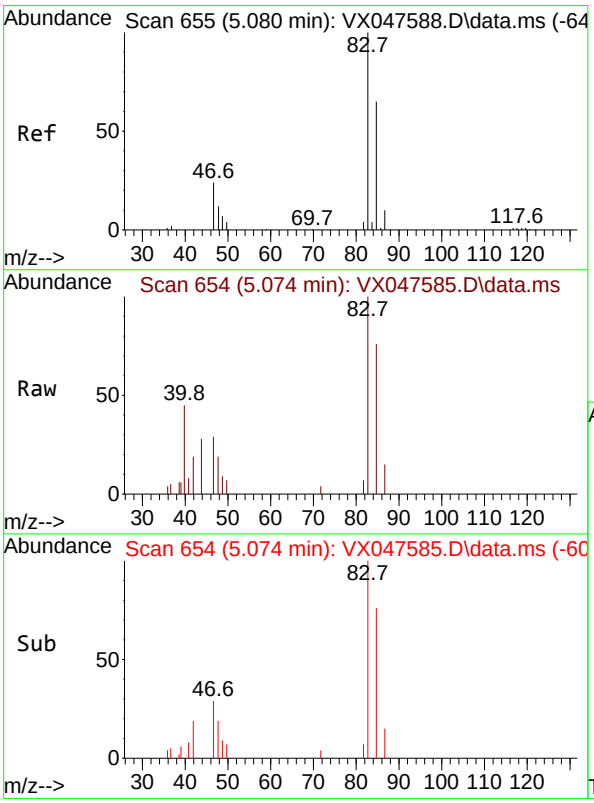
Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.2	51.2
71	41.3	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

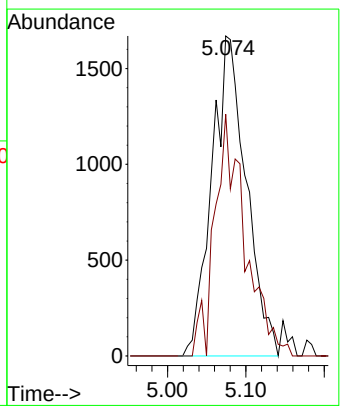


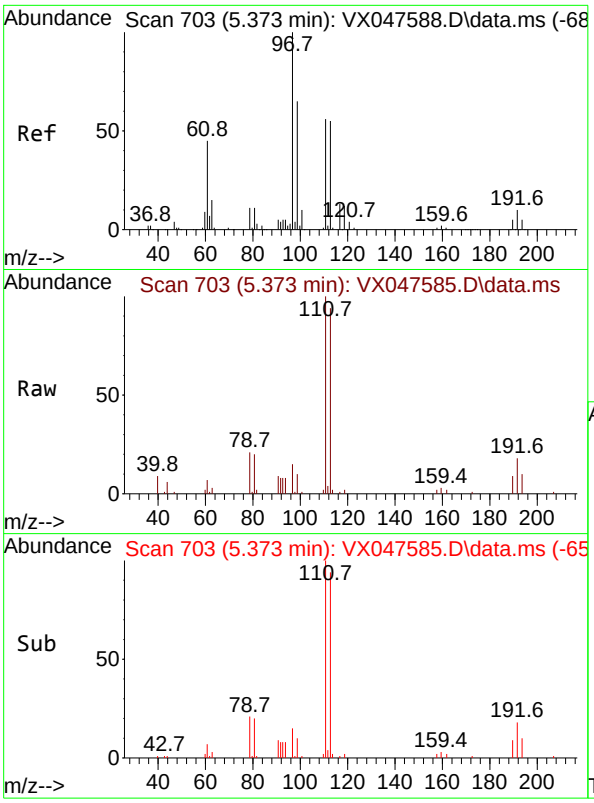


#30
Chloroform
Concen: 0.810 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 83 Resp: 5093

Ion	Ratio	Lower	Upper
83	100		
85	75.6	51.8	77.6





#32
1,1,1-Trichloroethane
Concen: 0.832 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

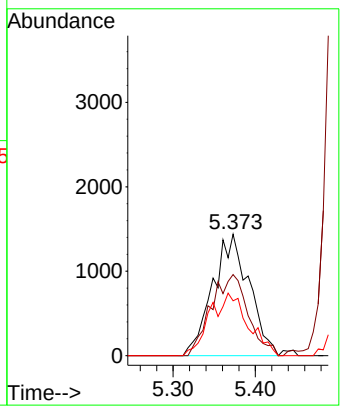
Tgt Ion: 97 Resp: 443

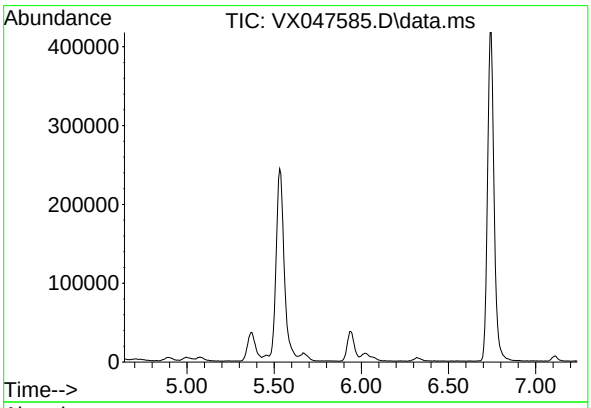
Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.6	76.0
61	36.2	35.8	53.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



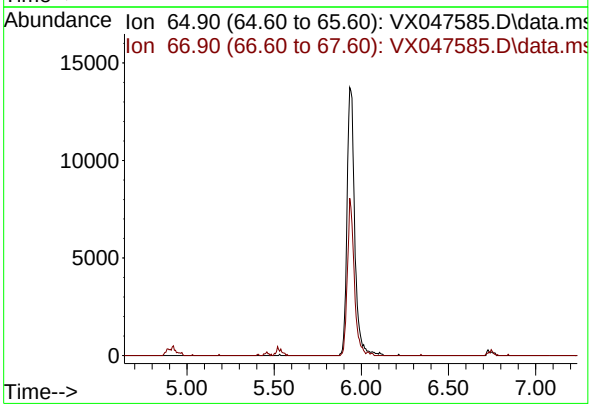


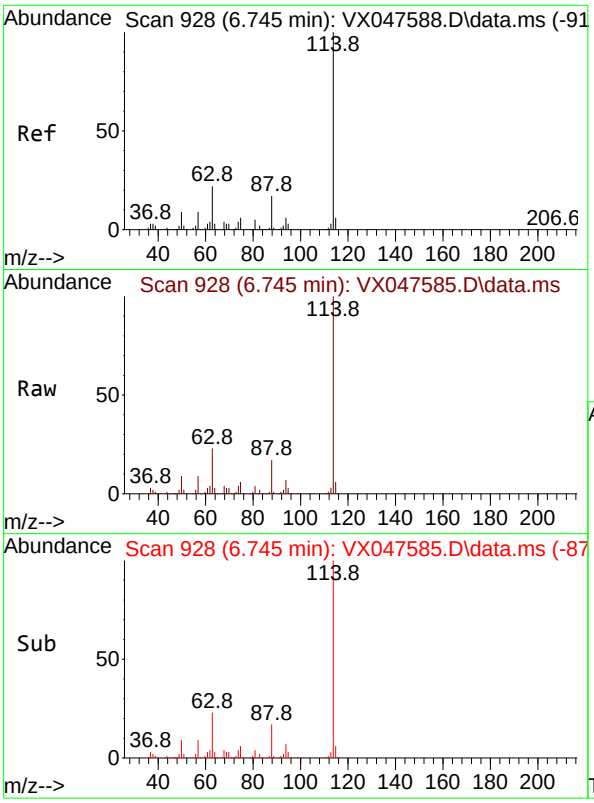
#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.94 min

Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 65

Sig	Exp Ratio
65	100
67	51.5





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

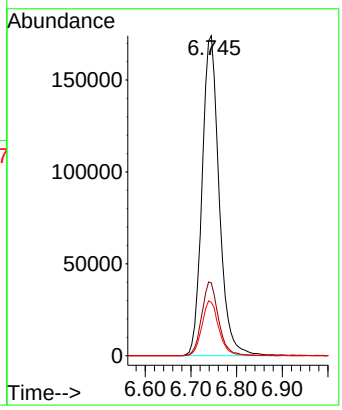
Tgt Ion:114 Resp: 45150

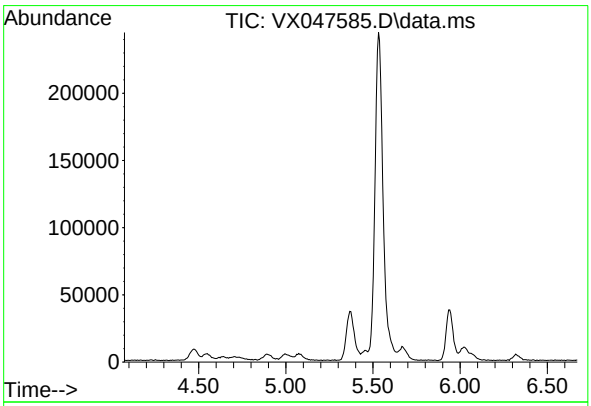
Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	44.0
88	16.6	0.0	34.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



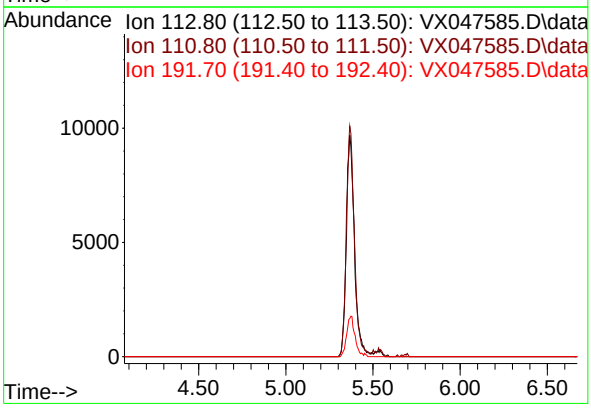


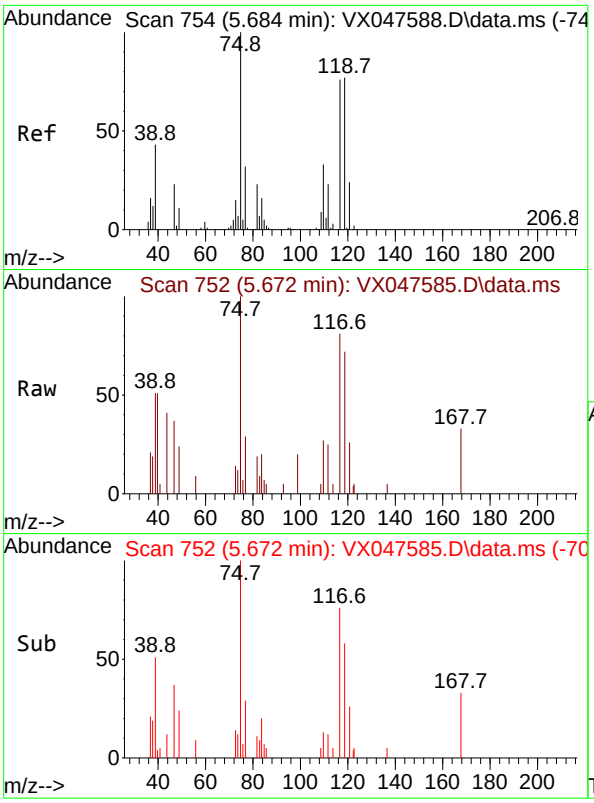
#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.37 min

Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	101.1
192	17.8

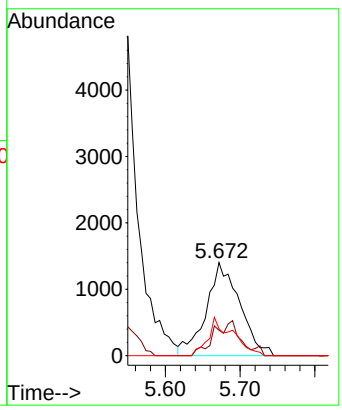




#36
1,1-Dichloropropene
Concen: 0.988 ug/l
RT: 5.672 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 437

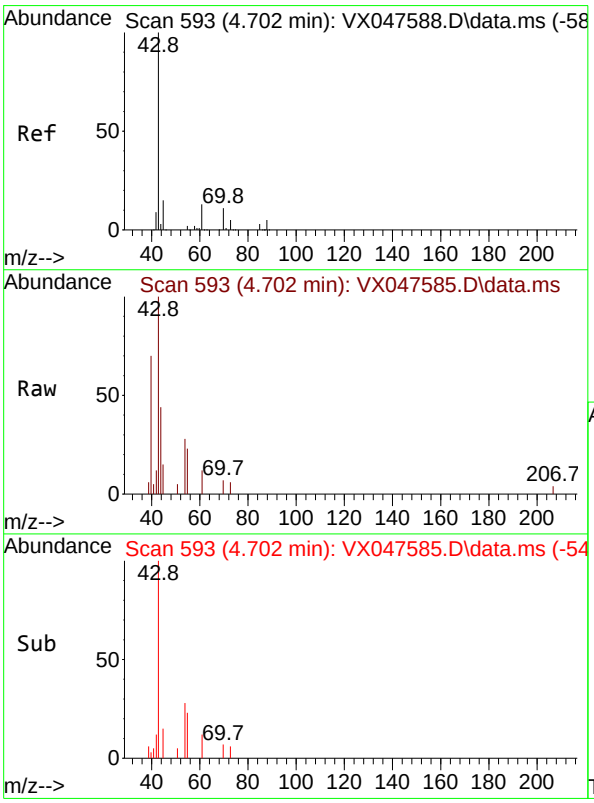
Ion	Ratio	Lower	Upper
75	100		
110	0.0	16.7	50.1#
77	30.0	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

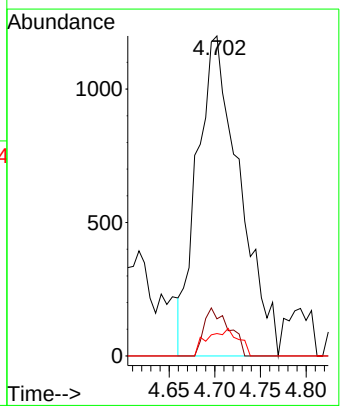
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

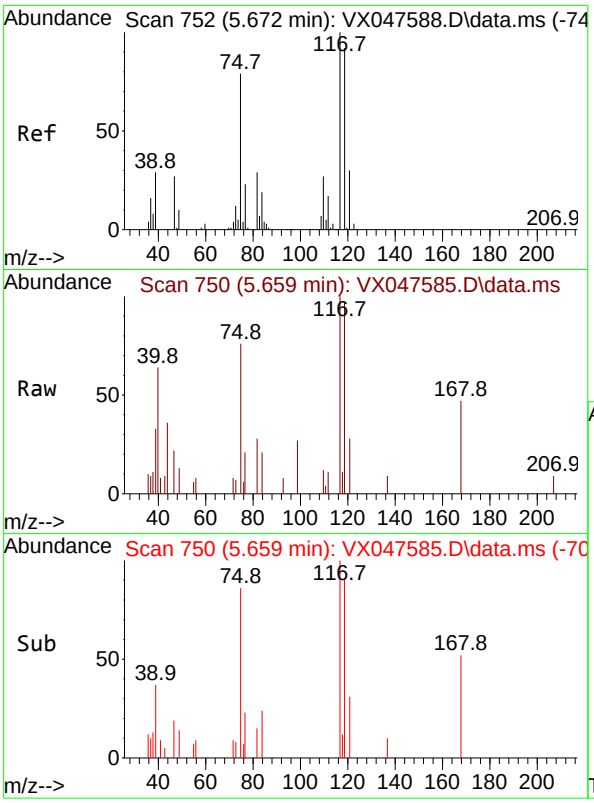


#37
Ethyl Acetate
Concen: 0.818 ug/l
RT: 4.702 min Scan# 593
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 3873

Ion	Ratio	Lower	Upper
43	100		
61	8.9	9.8	14.8#
70	6.2	7.9	11.9#

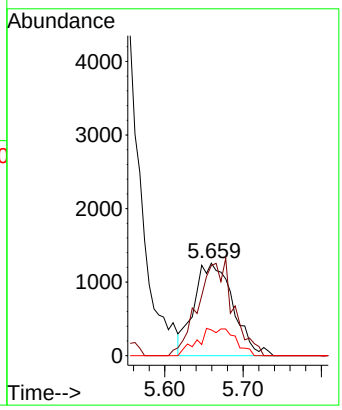




#38
Carbon Tetrachloride
Concen: 0.905 ug/l
RT: 5.659 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:117 Resp: 434

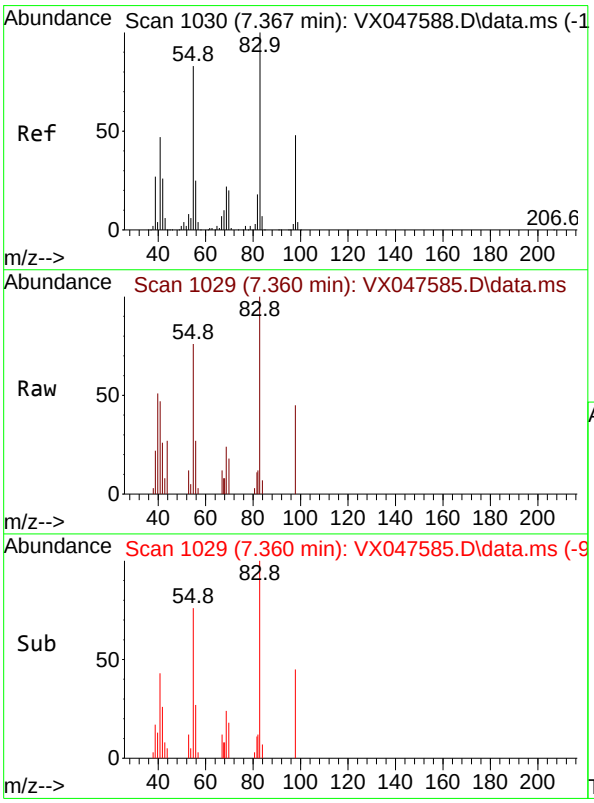
Ion	Ratio	Lower	Upper
117	100		
119	97.3	73.4	110.2
121	27.8	23.8	35.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

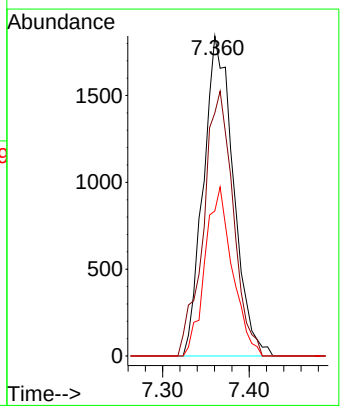
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

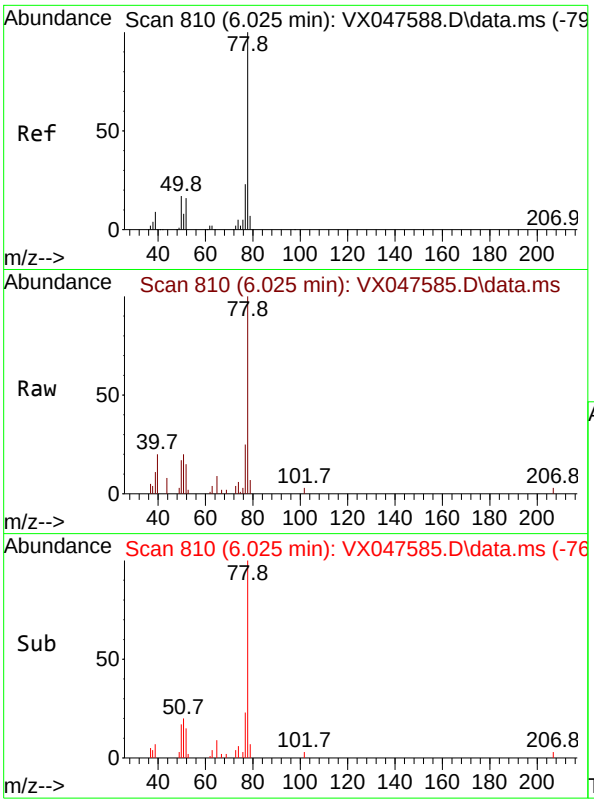


#39
Methylcyclohexane
Concen: 0.882 ug/l
RT: 7.360 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 83 Resp: 4428

Ion	Ratio	Lower	Upper
83	100		
55	76.0	66.4	99.6
98	45.3	38.1	57.1

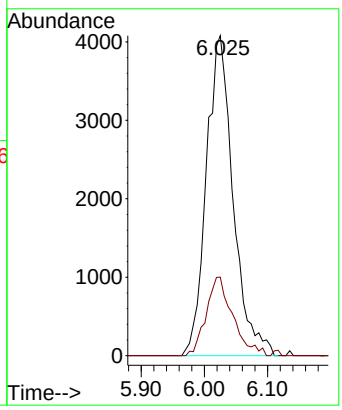




#40
Benzene
Concen: 0.894 ug/l
RT: 6.025 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 78 Resp: 1201

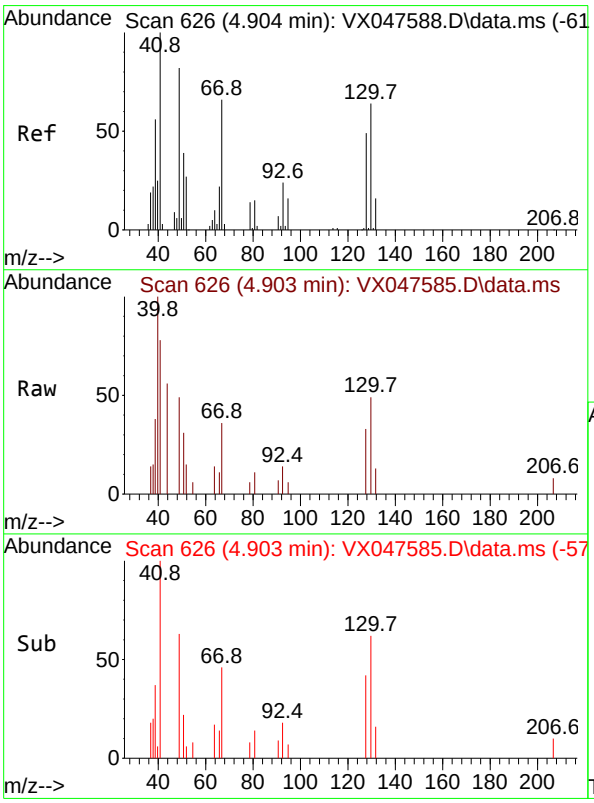
Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.8	28.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

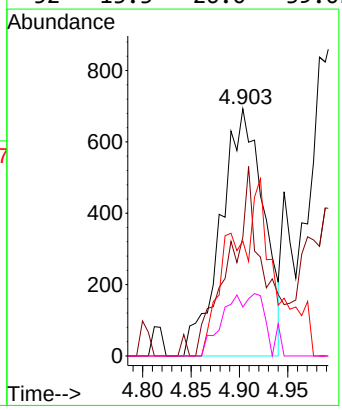
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

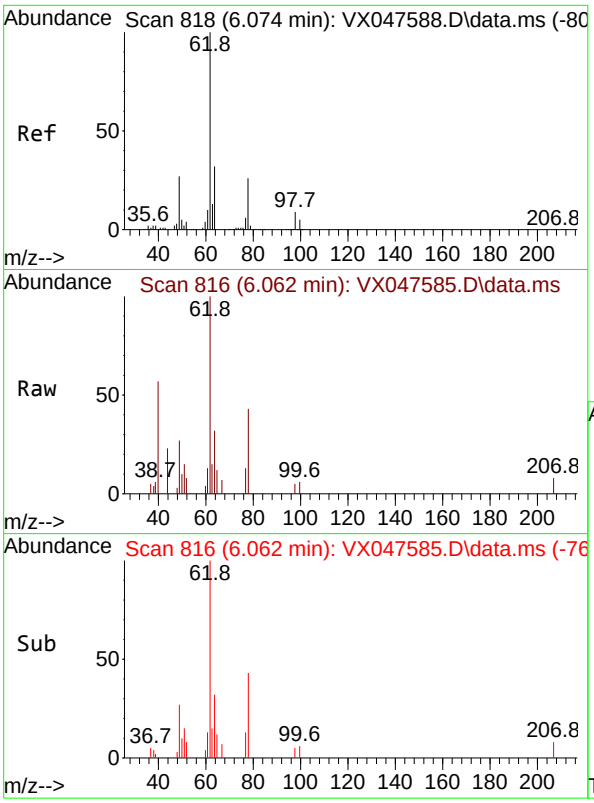


#41
Methacrylonitrile
Concen: 0.870 ug/l
RT: 4.903 min Scan# 626
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 41 Resp: 2128

Ion	Ratio	Lower	Upper
41	100		
39	60.3	43.3	64.9
67	23.5	58.6	87.8#
52	13.3	26.0	39.0#





#42
1,2-Dichloroethane
Concen: 0.906 ug/l
RT: 6.062 min Scan# 81
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

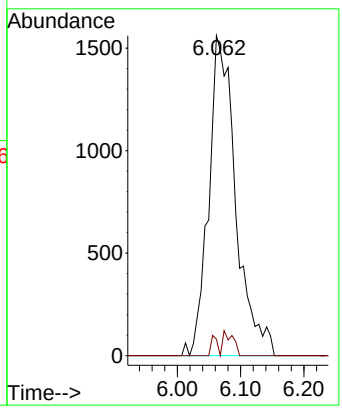
Tgt Ion: 62 Resp: 463

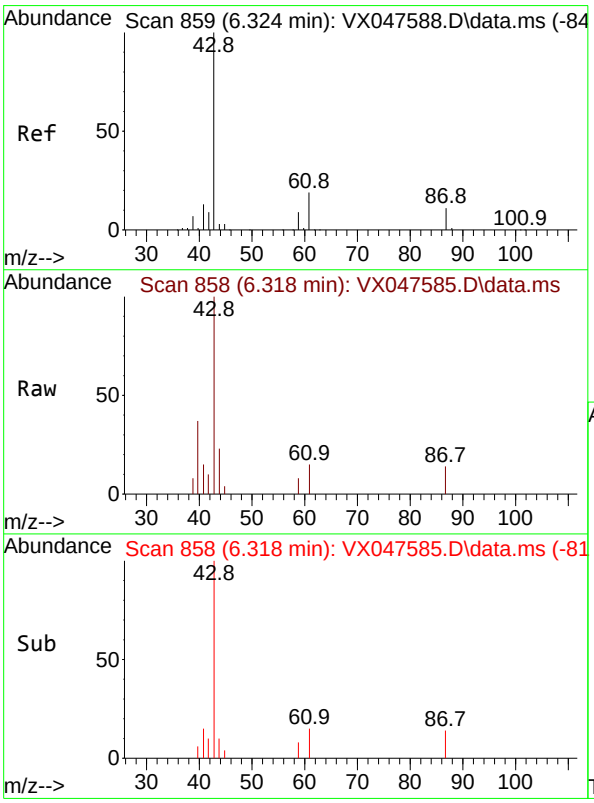
Ion	Ratio	Lower	Upper
62	100		
98	1.4	0.0	17.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

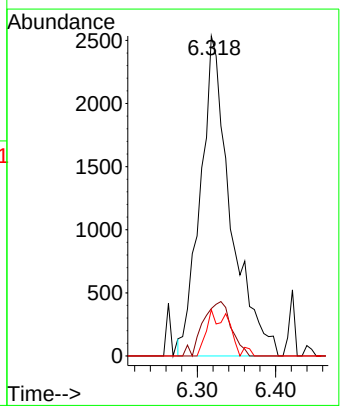


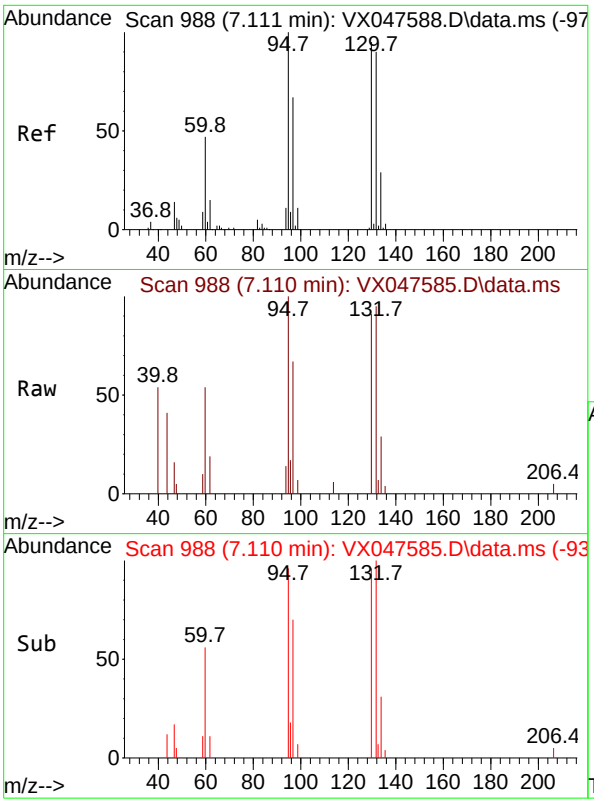


#43
Isopropyl Acetate
Concen: 0.873 ug/l
RT: 6.318 min Scan# 858
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 6784

Ion	Ratio	Lower	Upper
43	100		
61	15.9	15.2	22.8
87	10.1	9.6	14.4





#44
Trichloroethene
Concen: 0.824 ug/l
RT: 7.110 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

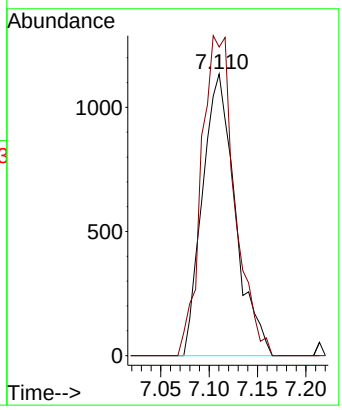
Tgt Ion:130 Resp: 267

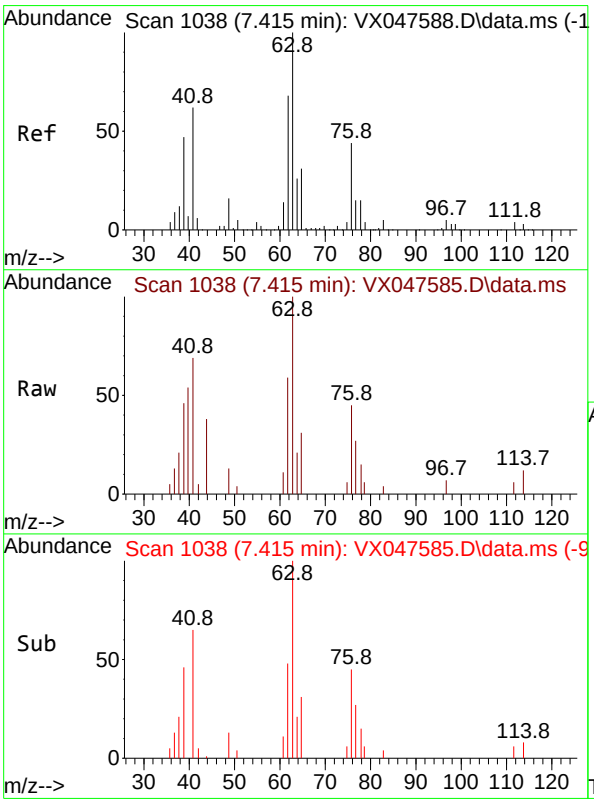
Ion	Ratio	Lower	Upper
130	100		
95	127.9	0.0	210.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

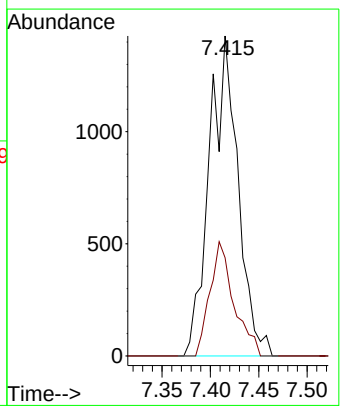


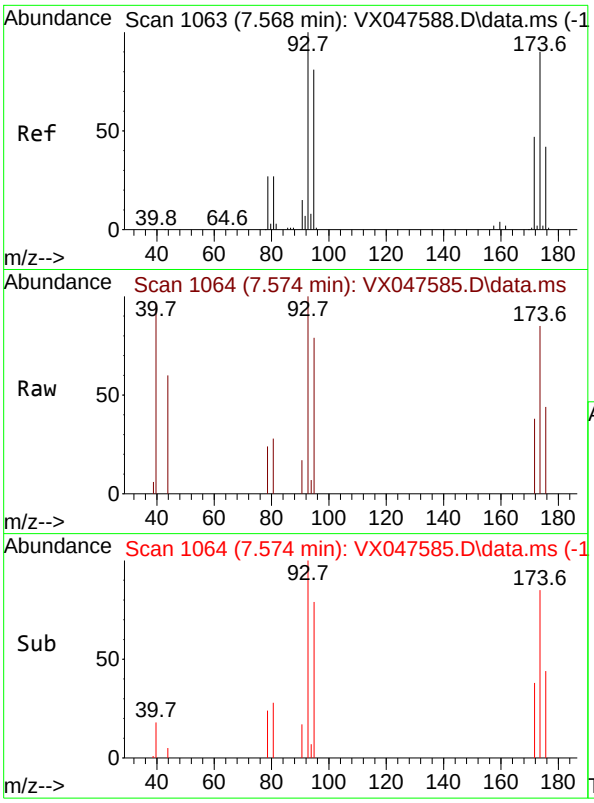


#45
1,2-Dichloropropane
Concen: 0.856 ug/l
RT: 7.415 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 63 Resp: 2945

Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1

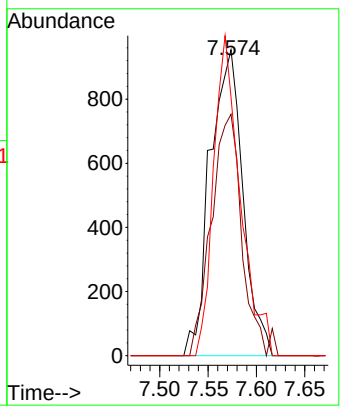




#46
Dibromomethane
Concen: 0.895 ug/l
RT: 7.574 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 93 Resp: 224

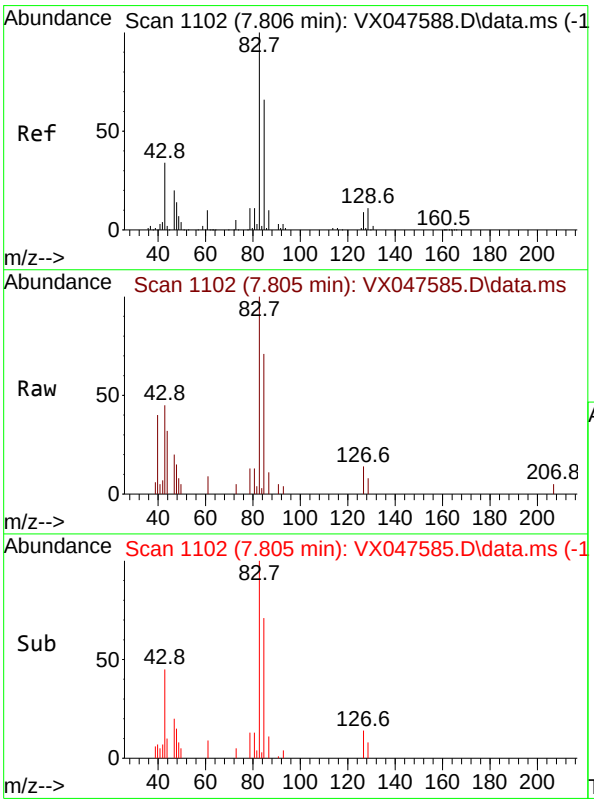
Ion	Ratio	Lower	Upper
93	100		
95	74.4	65.0	97.6
174	85.1	71.6	107.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

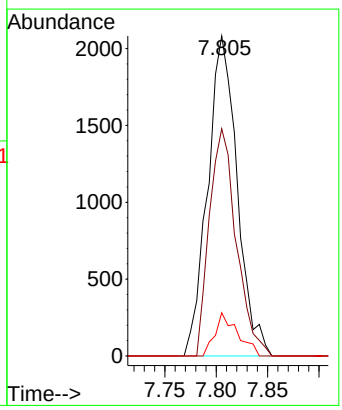
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

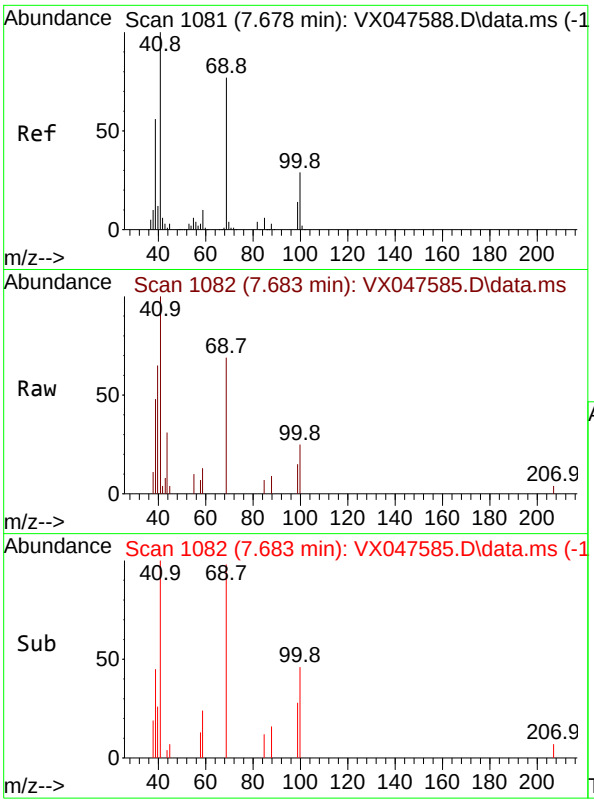


#47
Bromodichloromethane
Concen: 0.806 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 83 Resp: 4167

Ion	Ratio	Lower	Upper
83	100		
85	71.0	52.5	78.7
127	13.5	6.9	10.3#





#48
Methyl methacrylate
Concen: 0.867 ug/l
RT: 7.683 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

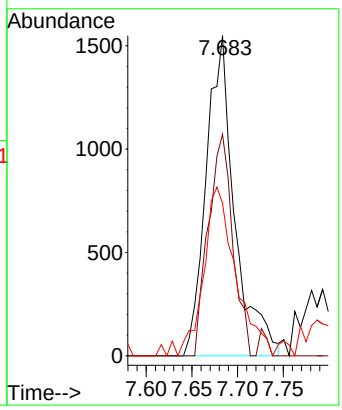
Tgt Ion: 41 Resp: 335

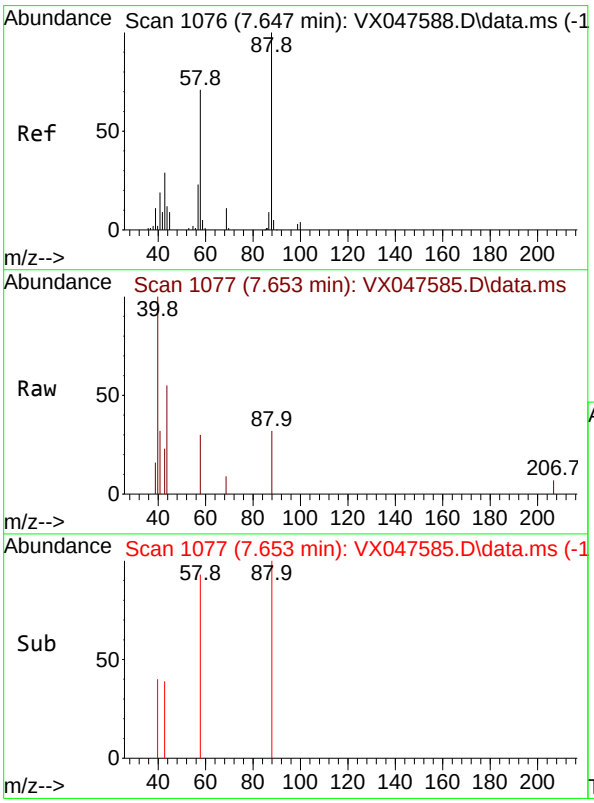
Ion	Ratio	Lower	Upper
41	100		
69	59.3	61.4	92.2#
39	59.5	45.8	68.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

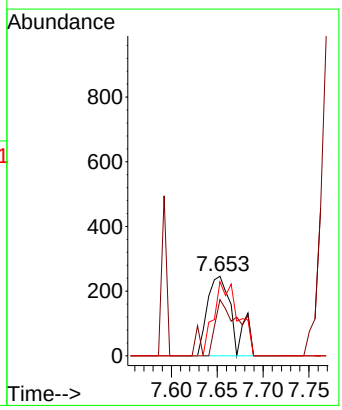


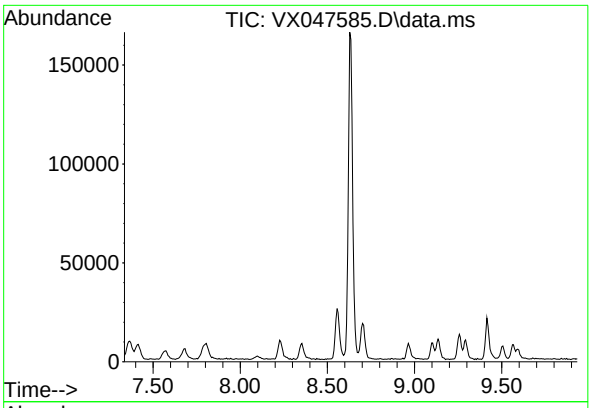


#49
1,4-Dioxane
Concen: 12.477 ug/l m
RT: 7.653 min Scan# 1077
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 88 Resp: 488

Ion	Ratio	Lower	Upper
88	100		
43	64.1	30.2	45.2#
58	88.9	59.5	89.3





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.63 min

Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

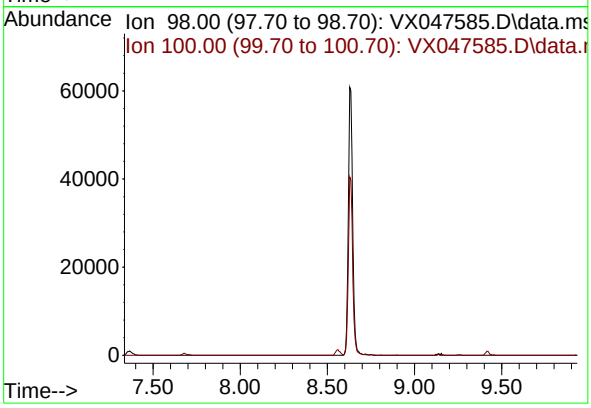
Tgt Ion: 98

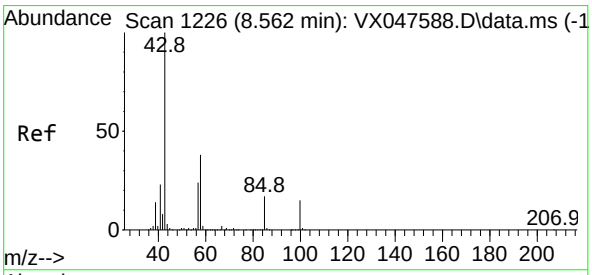
Sig	Exp Ratio
98	100
100	66.2

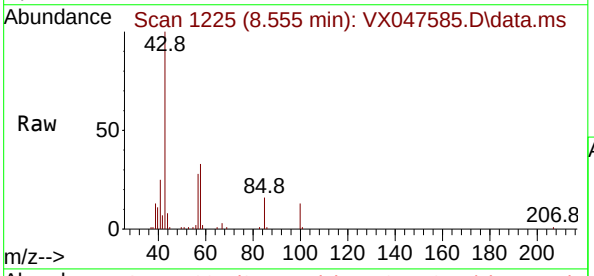
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

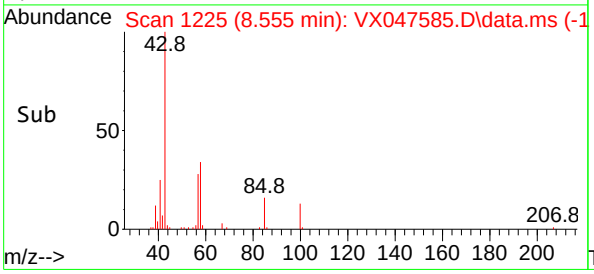
Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025





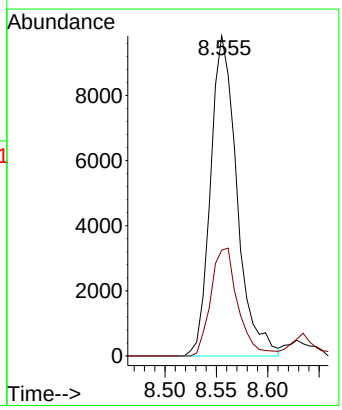


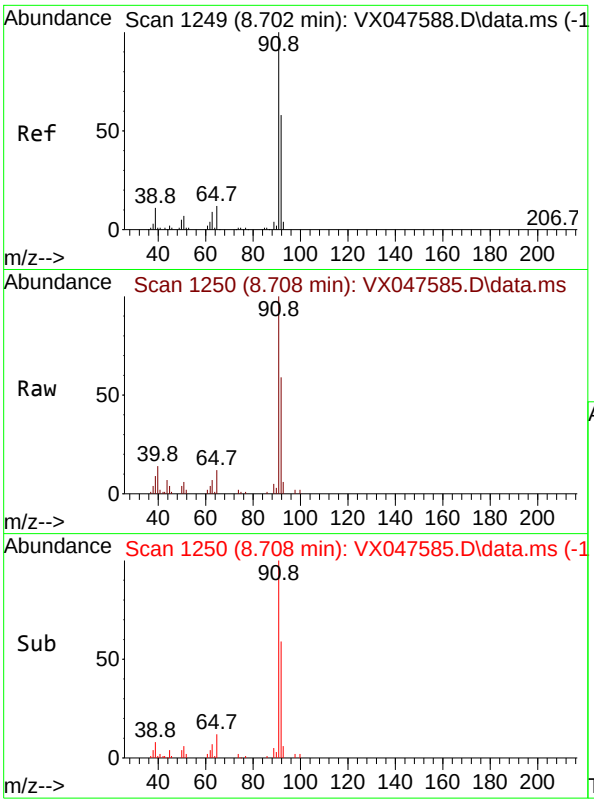


#51
4-Methyl-2-Pentanone
Concen: 4.085 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 17596

Ion	Ratio	Lower	Upper
43	100		
58	34.7	30.3	45.5

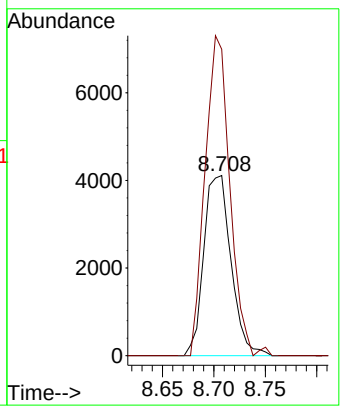




#52
Toluene
Concen: 0.917 ug/l
RT: 8.708 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 92 Resp: 759

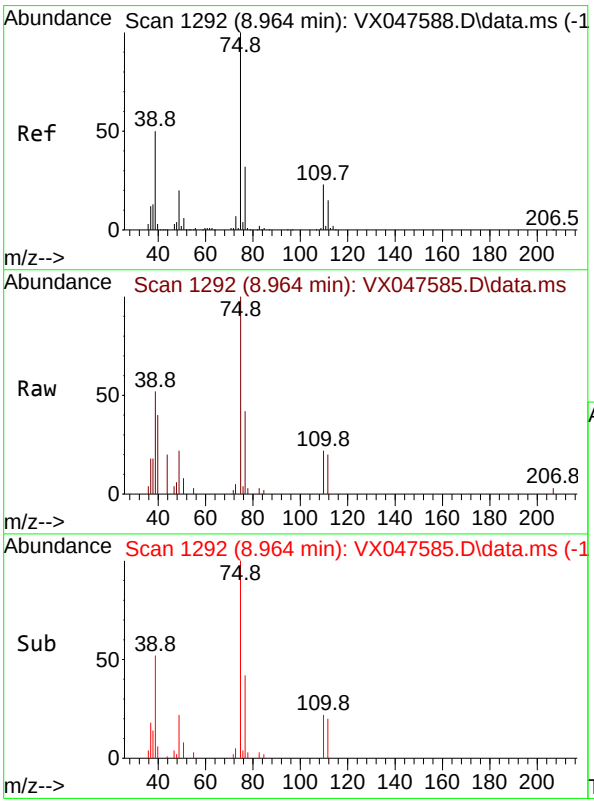
Ion	Ratio	Lower	Upper
92	100		
91	160.7	137.1	205.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

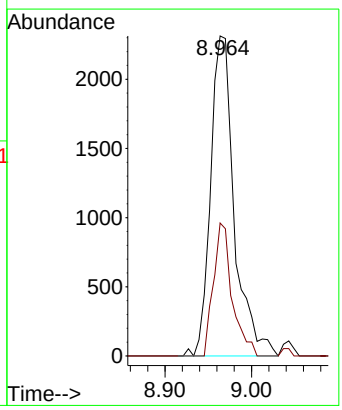
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

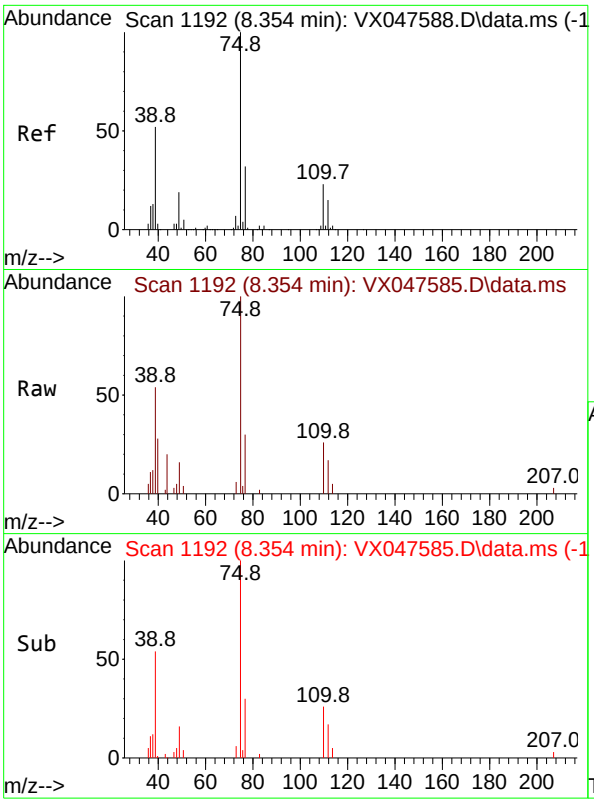


#53
t-1,3-Dichloropropene
Concen: 0.834 ug/l
RT: 8.964 min Scan# 1292
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 4398

Ion	Ratio	Lower	Upper
75	100		
77	41.5	25.4	38.2#

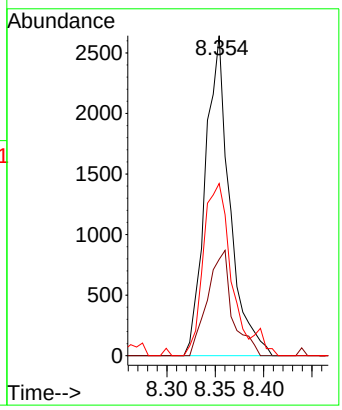




#54
cis-1,3-Dichloropropene
Concen: 0.823 ug/l
RT: 8.354 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 463

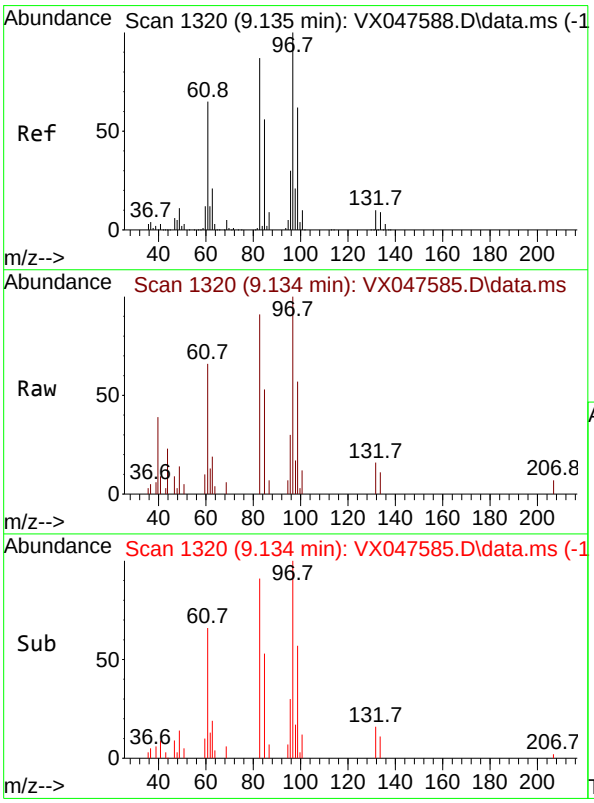
Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.8	38.6
39	25.6	41.4	62.2#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

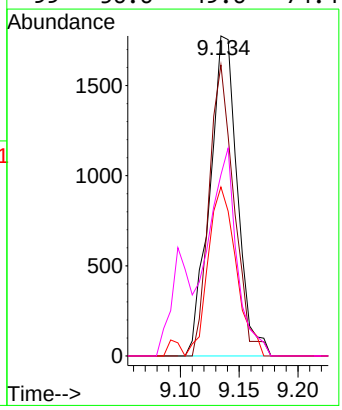
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

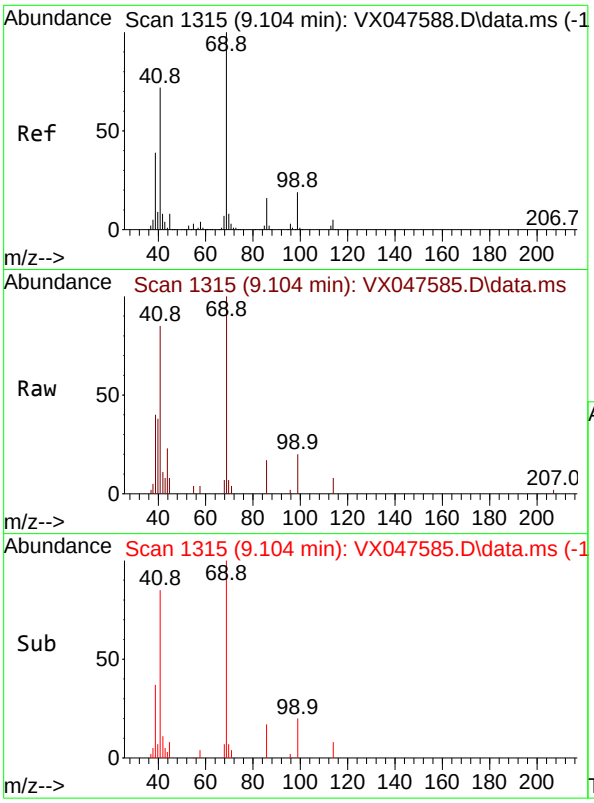


#55
1,1,2-Trichloroethane
Concen: 0.914 ug/l
RT: 9.134 min Scan# 1320
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 97 Resp: 2918

Ion	Ratio	Lower	Upper
97	100		
83	90.9	69.6	104.4
85	52.8	45.0	67.6
99	56.6	49.6	74.4

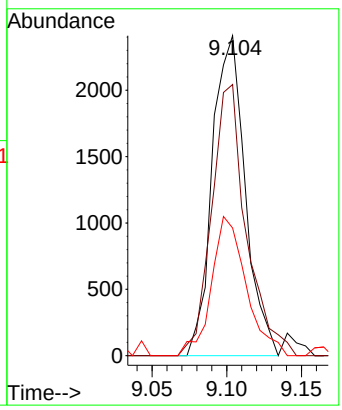




#56
Ethyl methacrylate
Concen: 0.734 ug/l
RT: 9.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 69 Resp: 367

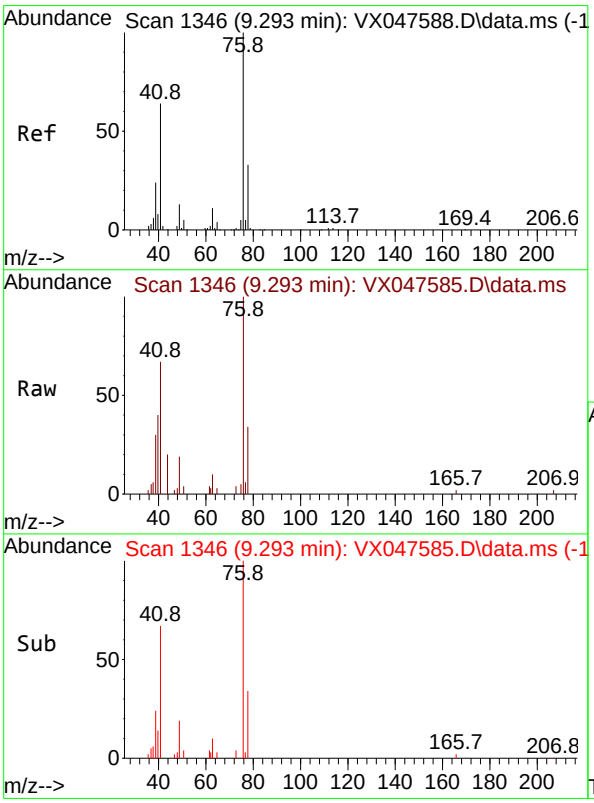
Ion	Ratio	Lower	Upper
69	100		
41	89.4	58.6	87.8
39	46.0	31.5	47.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

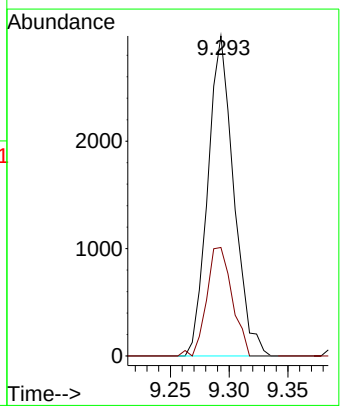
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

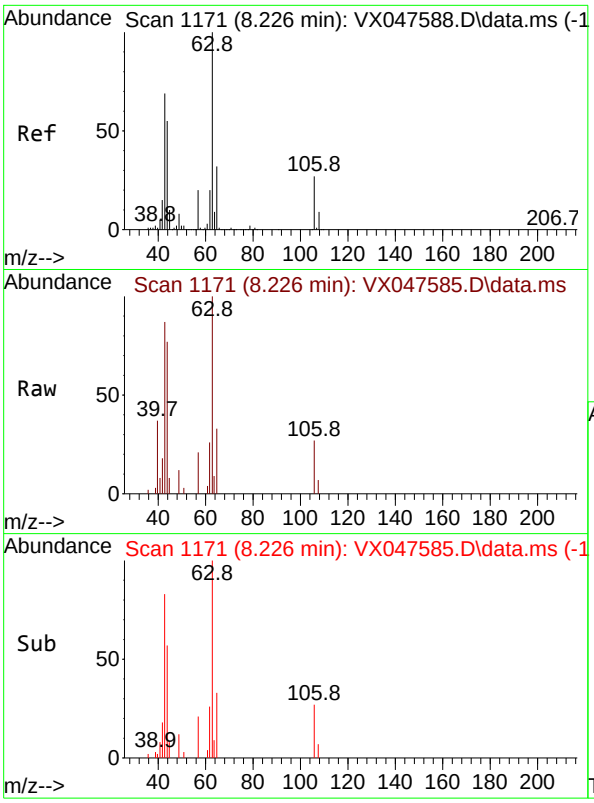


#57
1,3-Dichloropropane
Concen: 0.835 ug/l
RT: 9.293 min Scan# 1346
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 76 Resp: 4580

Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.2	39.4





#58
2-Chloroethyl Vinyl ether
Concen: 9.665 ug/l
RT: 8.226 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

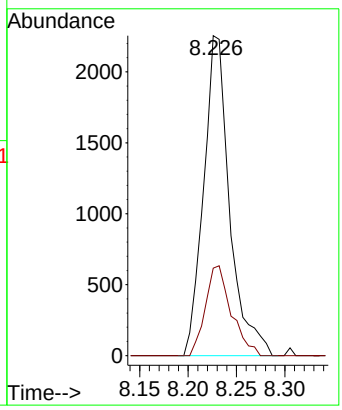
Tgt Ion: 63 Resp: 422

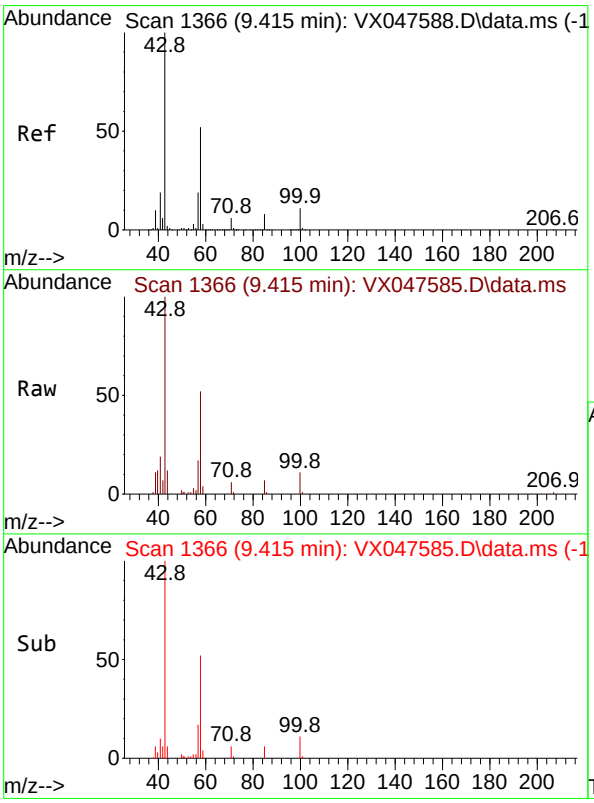
Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.9	32.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

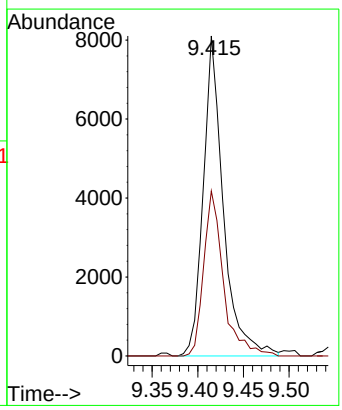


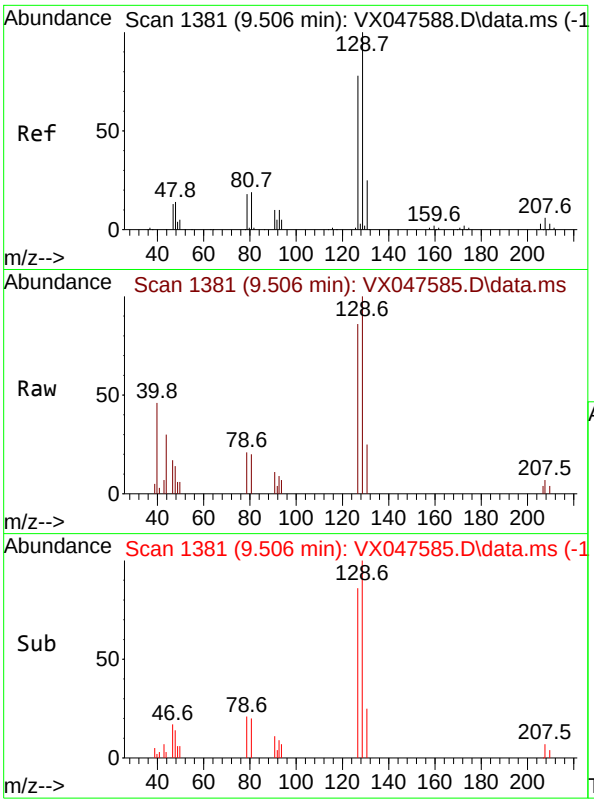


#59
2-Hexanone
Concen: 4.003 ug/l
RT: 9.415 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 12385

Ion	Ratio	Lower	Upper
43	100		
58	50.7	26.1	78.2

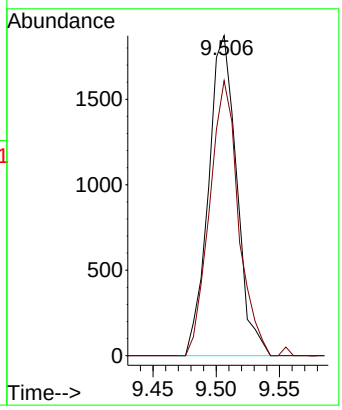




#60
Dibromochloromethane
Concen: 0.789 ug/l
RT: 9.506 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:129 Resp: 290

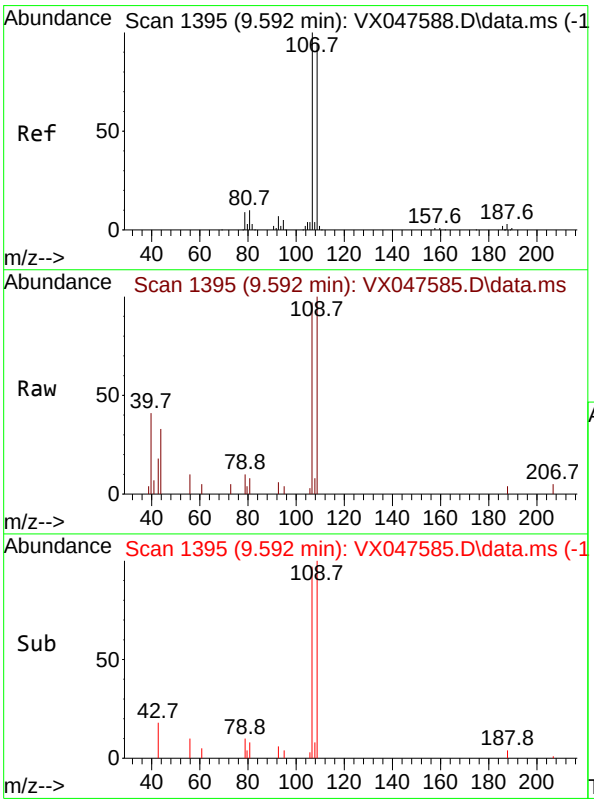
Ion	Ratio	Lower	Upper
129	100		
127	88.2	38.4	115.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

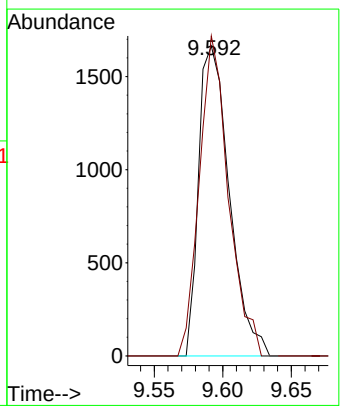
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

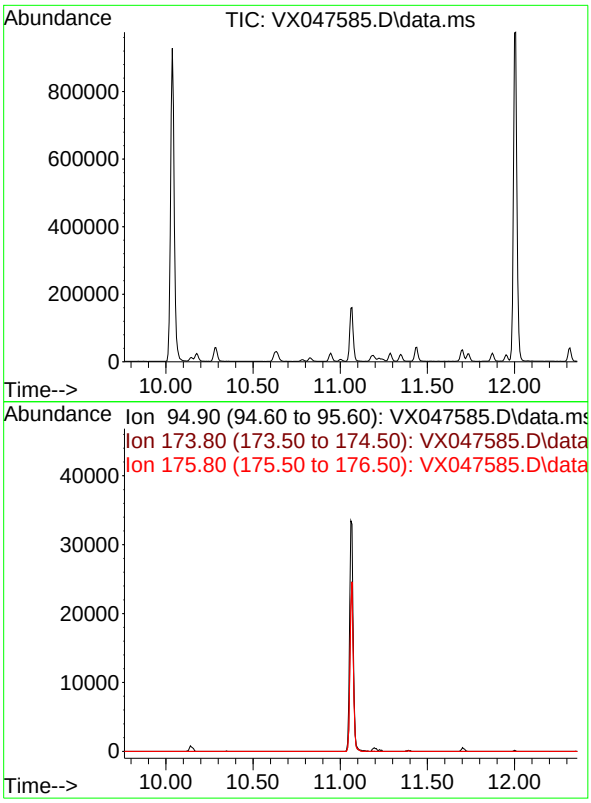


#61
1,2-Dibromoethane
Concen: 0.798 ug/l
RT: 9.592 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:107 Resp: 2596

Ion	Ratio	Lower	Upper
107	100		
109	97.7	75.3	112.9





#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.06 min

Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

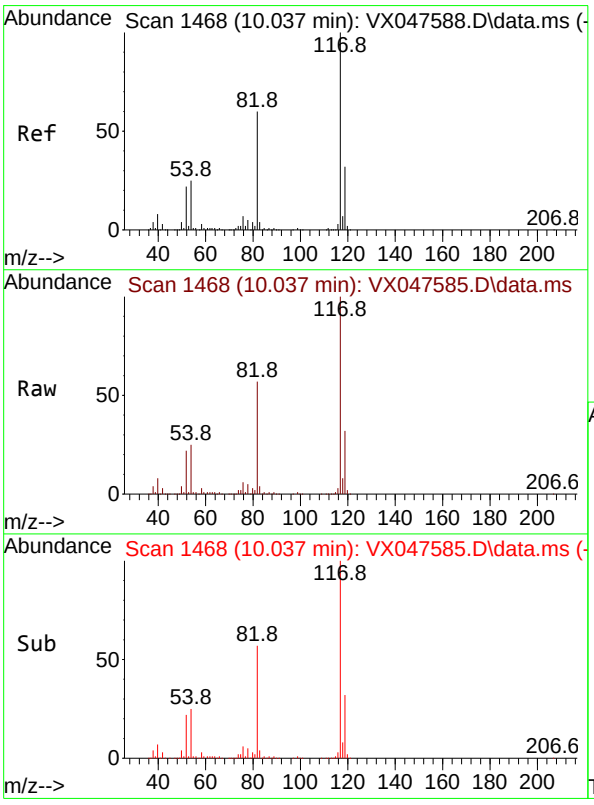
Tgt Ion: 95

Sig	Exp Ratio
95	100
174	70.8
176	69.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

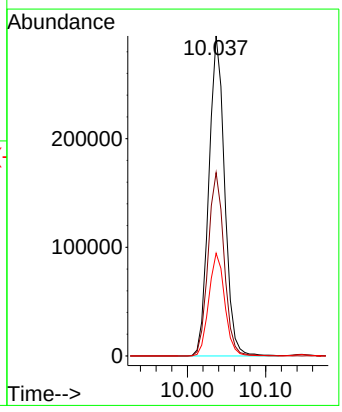
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

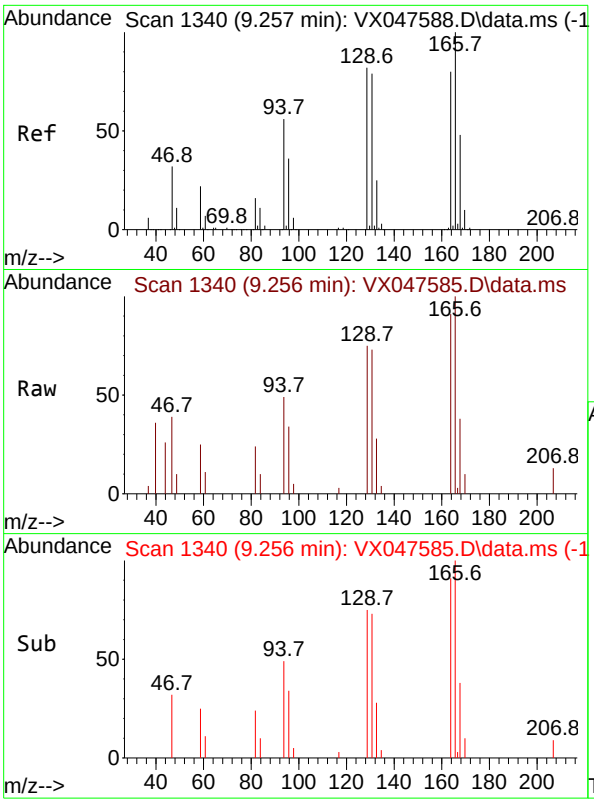


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:117 Resp: 410953

Ion	Ratio	Lower	Upper
117	100		
82	57.3	47.8	71.6
119	32.1	25.2	37.8

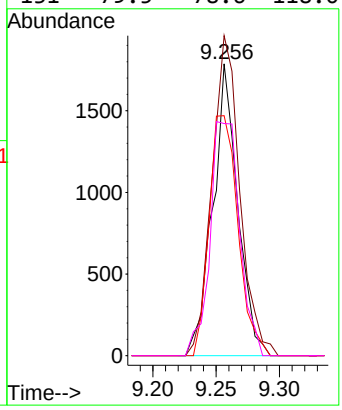




#64
Tetrachloroethene
Concen: 0.917 ug/l
RT: 9.256 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:164 Resp: 245

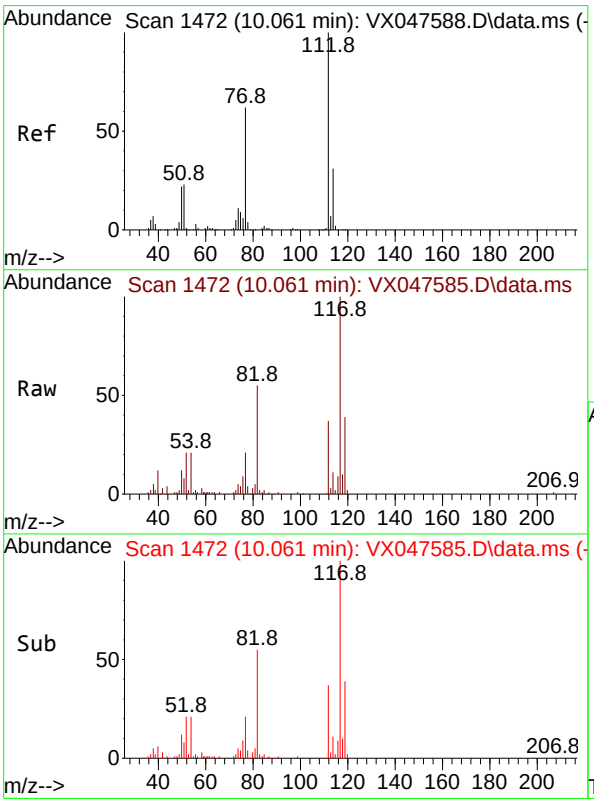
Ion	Ratio	Lower	Upper
164	100		
166	109.6	100.2	150.2
129	82.2	81.8	122.6
131	79.5	78.6	118.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

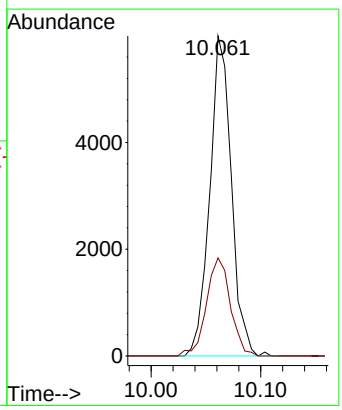
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

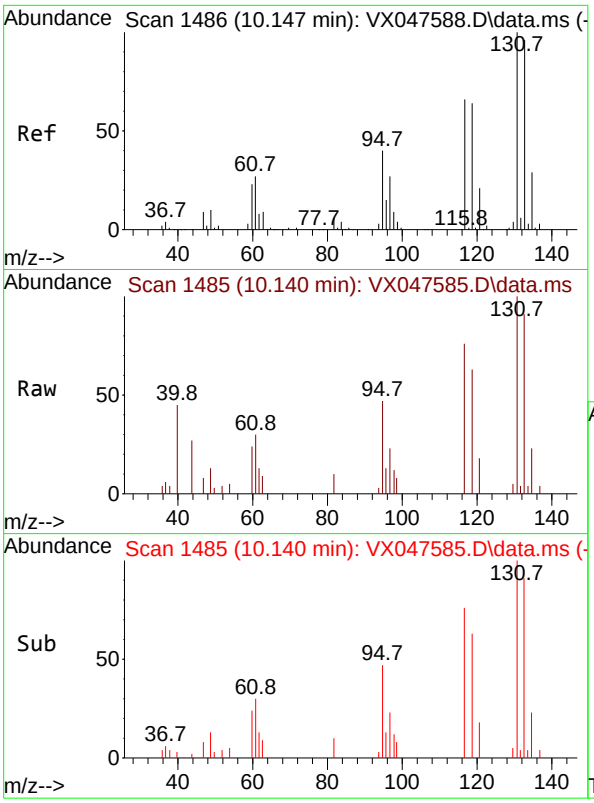


#65
Chlorobenzene
Concen: 0.879 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:112 Resp: 8202

Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.1	37.7





#66
1,1,1,2-Tetrachloroethane
Concen: 0.833 ug/l
RT: 10.140 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

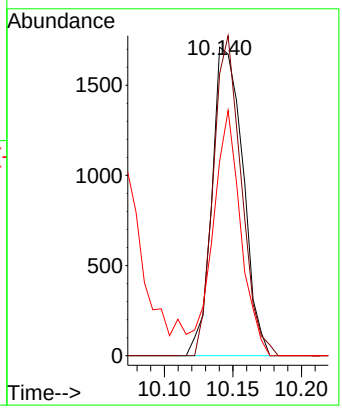
Tgt Ion:131 Resp: 268

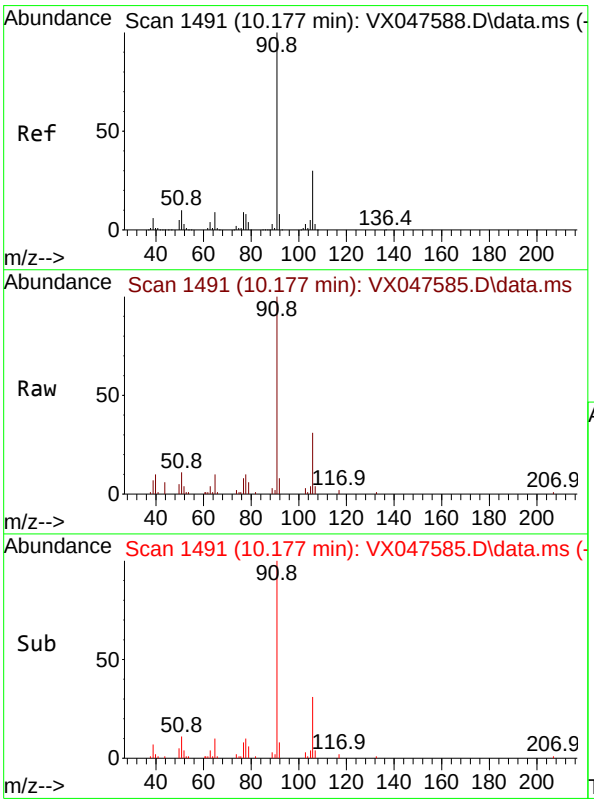
Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.3	142.0
119	0.0	32.0	96.0#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

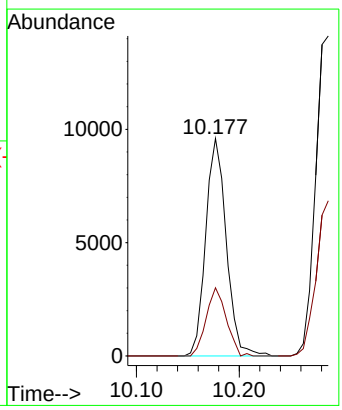


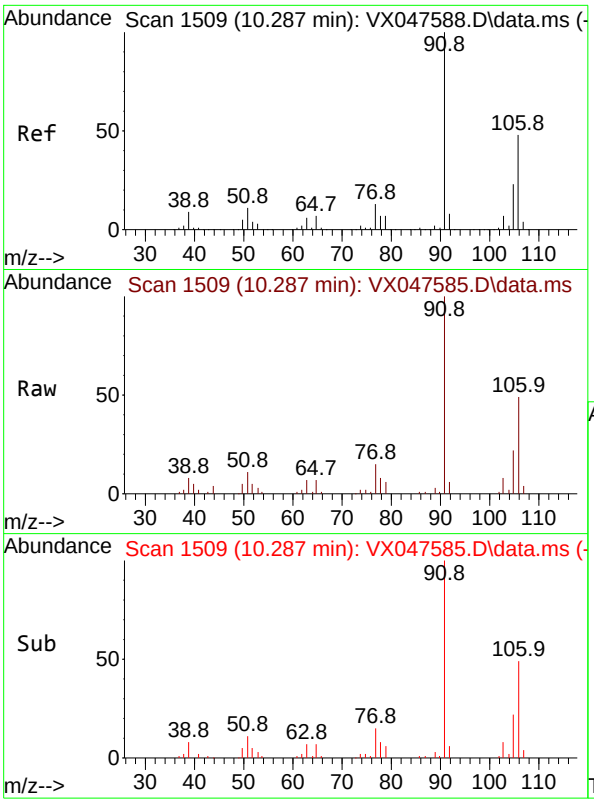


#67
Ethyl Benzene
Concen: 0.829 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 13360

Ion	Ratio	Lower	Upper
91	100		
106	31.3	24.3	36.5





#68
m/p-Xylenes
Concen: 1.655 ug/l
RT: 10.287 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

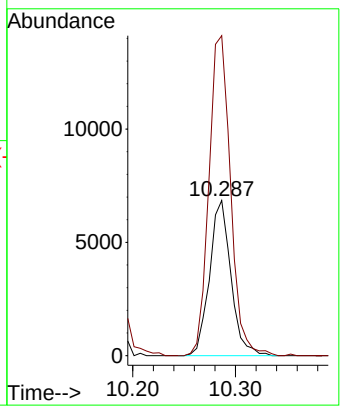
Tgt Ion:106 Resp: 992

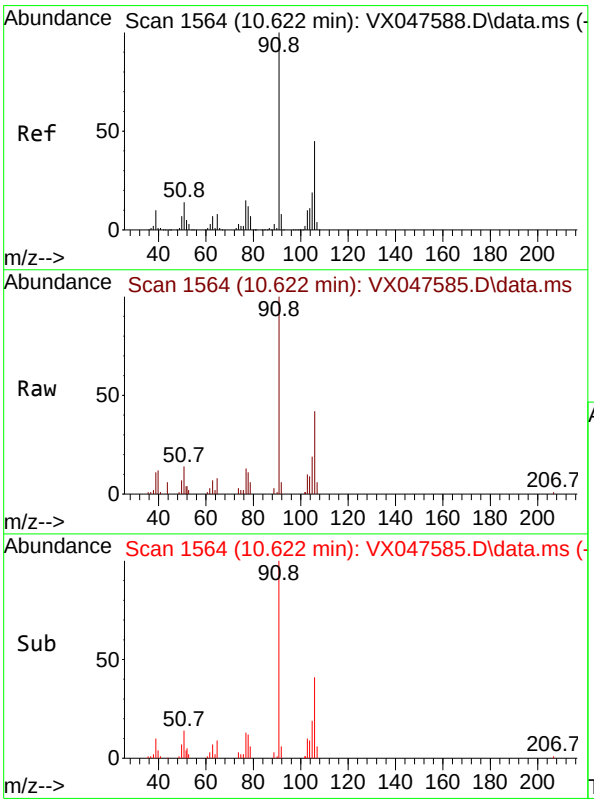
Ion	Ratio	Lower	Upper
106	100		
91	208.5	167.8	251.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

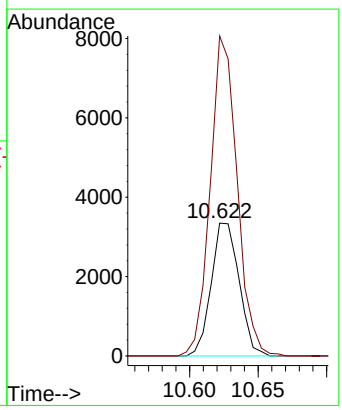


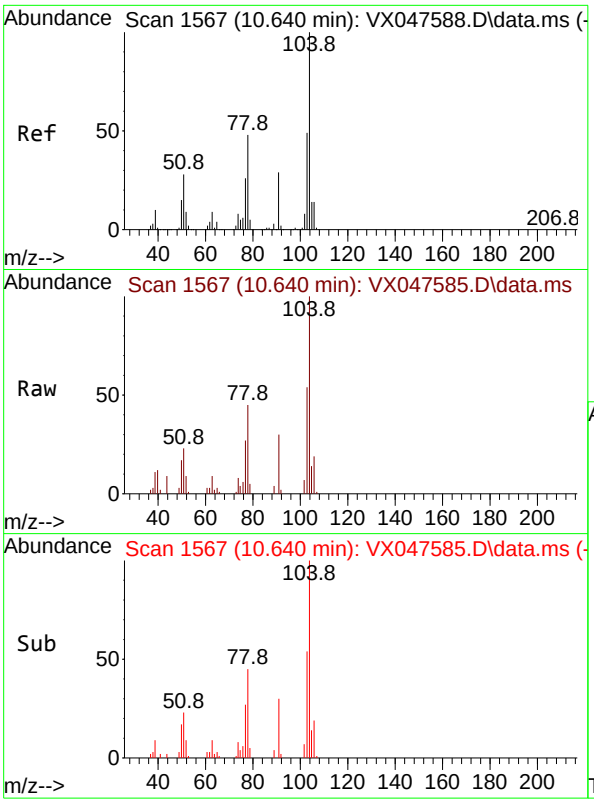


#69
o-Xylene
Concen: 0.816 ug/l
RT: 10.622 min Scan# 1564
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:106 Resp: 4734

Ion	Ratio	Lower	Upper
106	100		
91	232.4	111.1	333.4

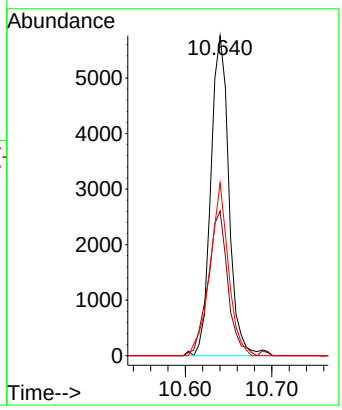




#70
Styrene
Concen: 0.824 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:104 Resp: 837

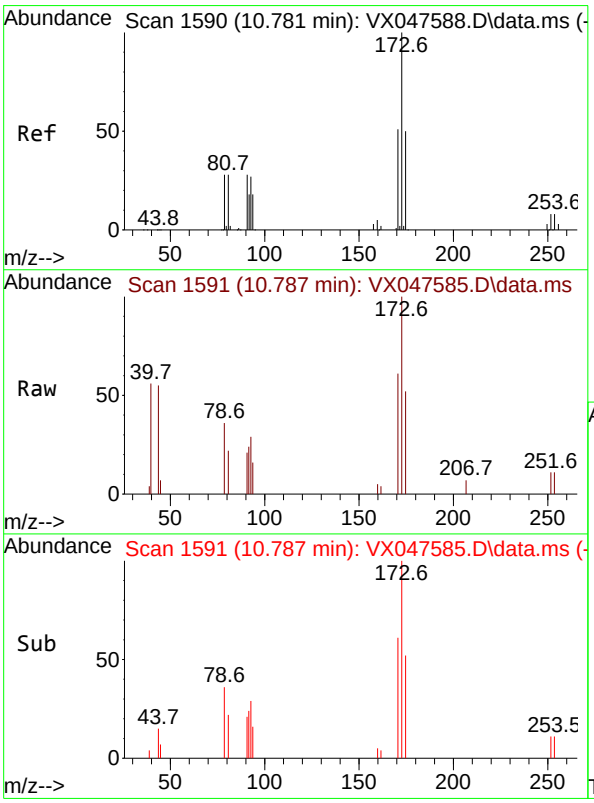
Ion	Ratio	Lower	Upper
104	100		
78	49.5	43.1	64.7
103	55.0	43.1	64.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

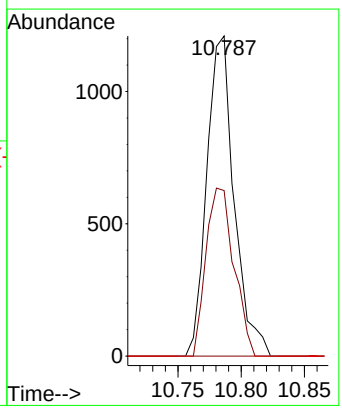
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

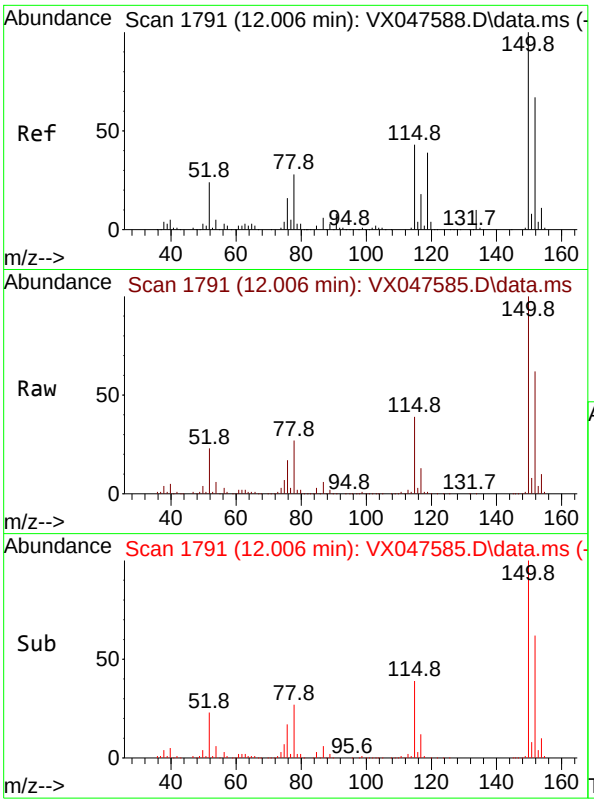


#71
Bromoform
Concen: 0.755 ug/l
RT: 10.787 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:173 Resp: 1816

Ion	Ratio	Lower	Upper
173	100		
175	53.8	24.9	74.6
254	0.0	0.1	0.1#

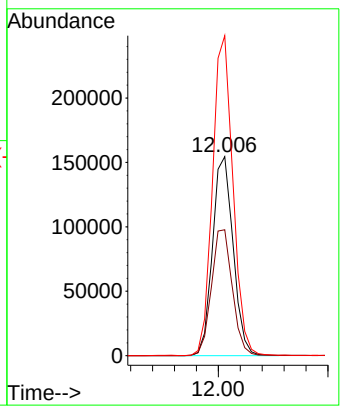




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:152 Resp: 20197

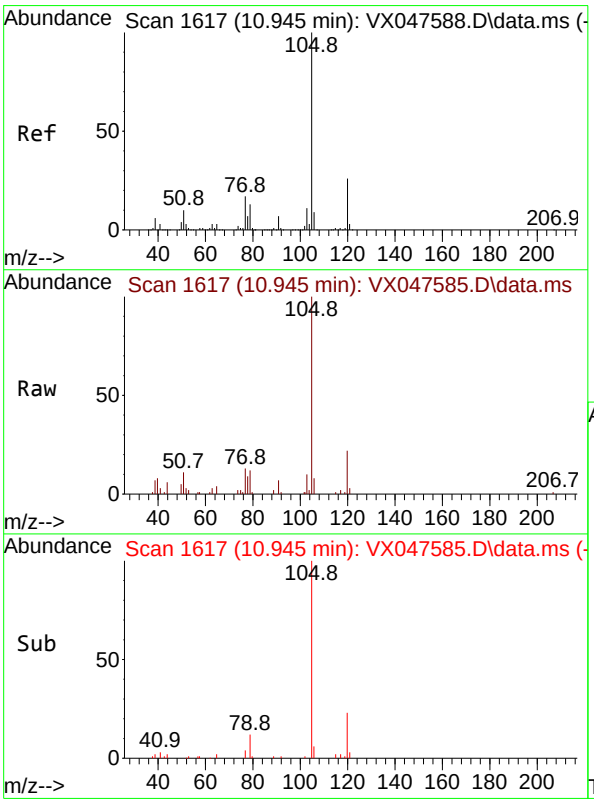
Ion	Ratio	Lower	Upper
152	100		
115	64.2	44.9	134.5
150	158.7	0.0	352.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

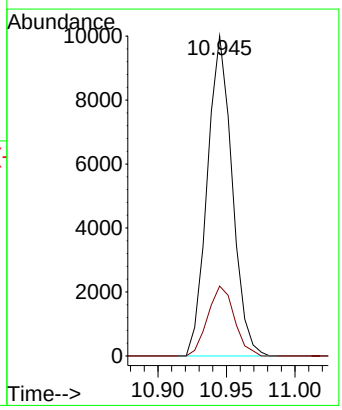
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

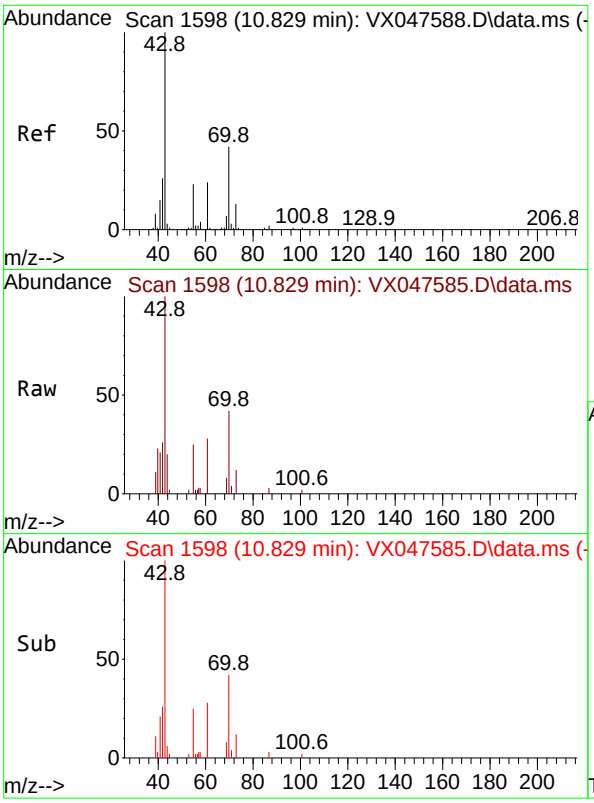


#73
Isopropylbenzene
Concen: 0.822 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:105 Resp: 12618

Ion	Ratio	Lower	Upper
105	100		
120	23.4	12.8	38.4

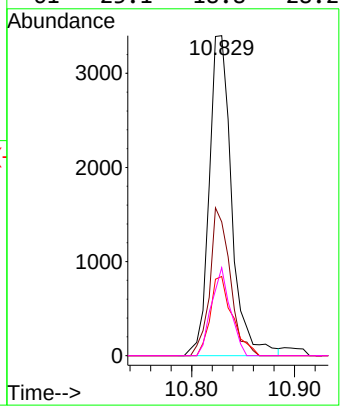




#74
N-amyl acetate
Concen: 0.737 ug/l
RT: 10.829 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 515

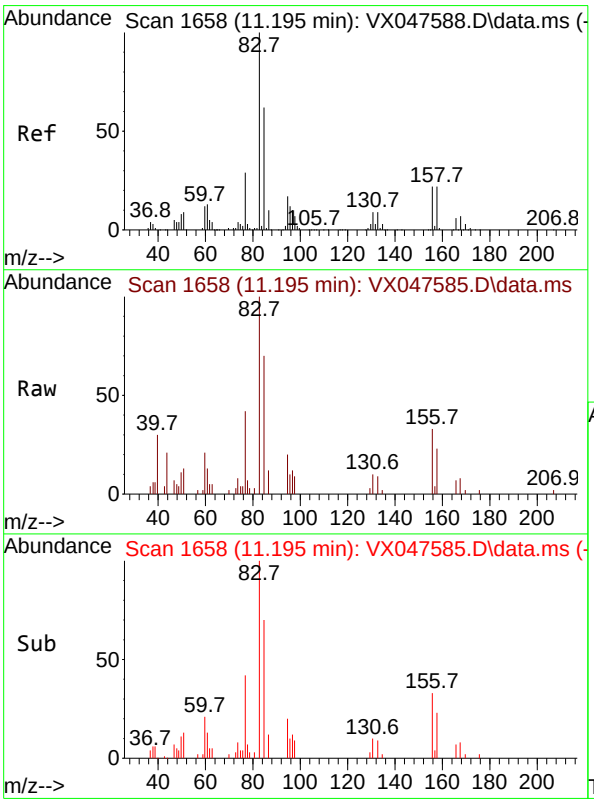
Ion	Ratio	Lower	Upper
43	100		
70	41.7	32.0	48.0
55	24.3	18.9	28.3
61	23.1	18.8	28.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

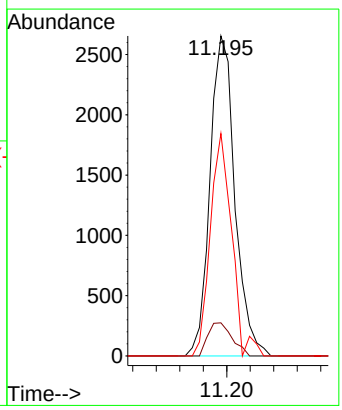
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

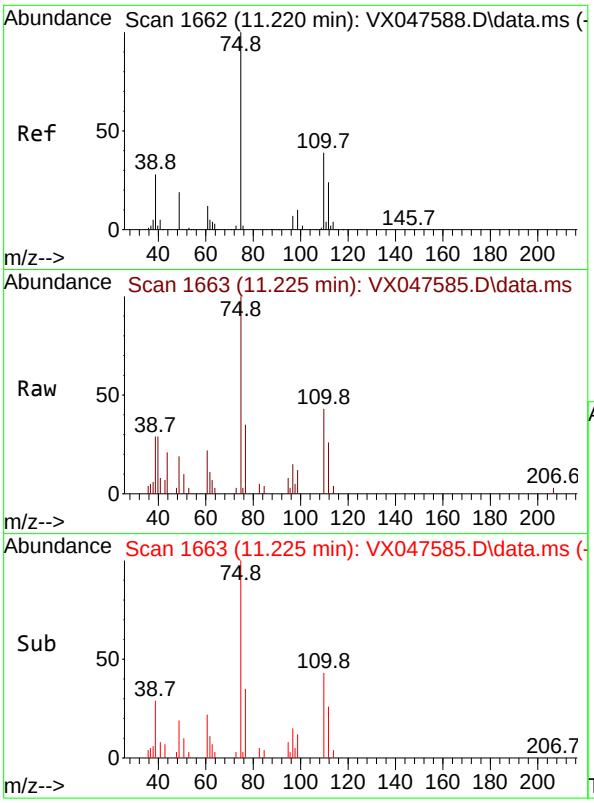


#75
1,1,2,2-Tetrachloroethane
Concen: 0.839 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 83 Resp: 3900

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	59.8	31.6	95.0





#76
1,2,3-Trichloropropane
Concen: 0.816 ug/l m
RT: 11.225 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

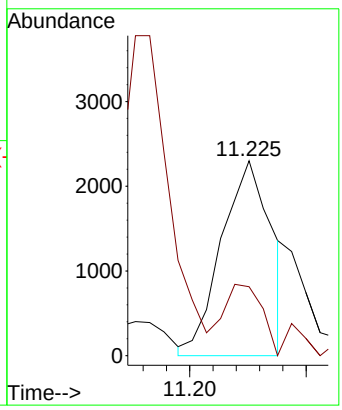
Tgt Ion: 75 Resp: 342

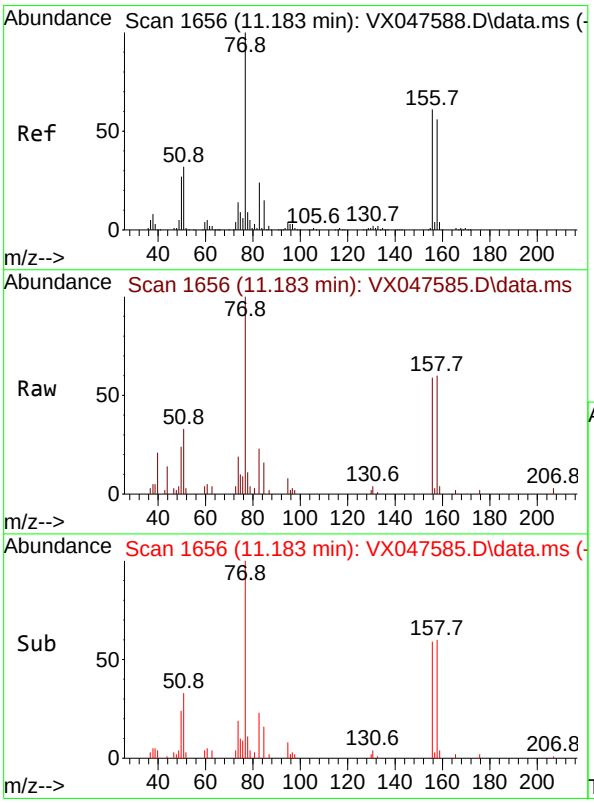
Ion	Ratio	Lower	Upper
75	100		
77	34.6	18.8	56.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

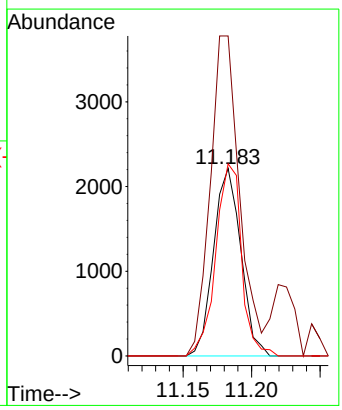


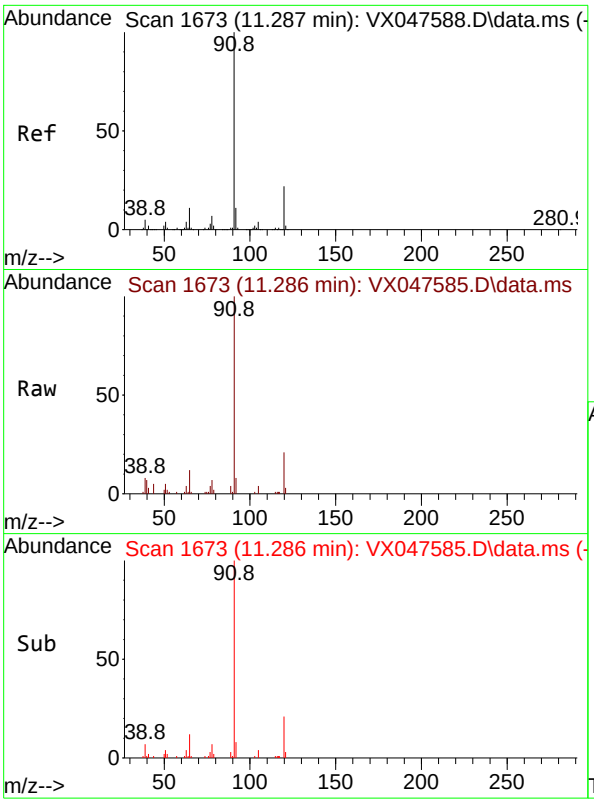


#77
Bromobenzene
Concen: 0.811 ug/l
RT: 11.183 min Scan# 1656
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:156 Resp: 3069

Ion	Ratio	Lower	Upper
156	100		
77	182.3	89.7	269.1
158	96.6	47.9	143.6





#78
n-propylbenzene
Concen: 0.819 ug/l
RT: 11.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

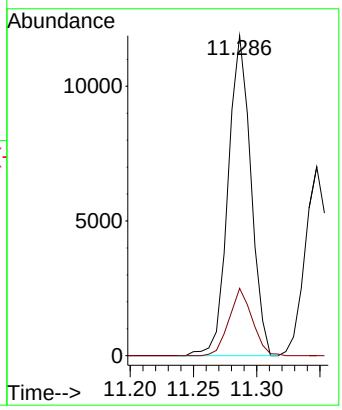
Tgt Ion: 91 Resp: 1486

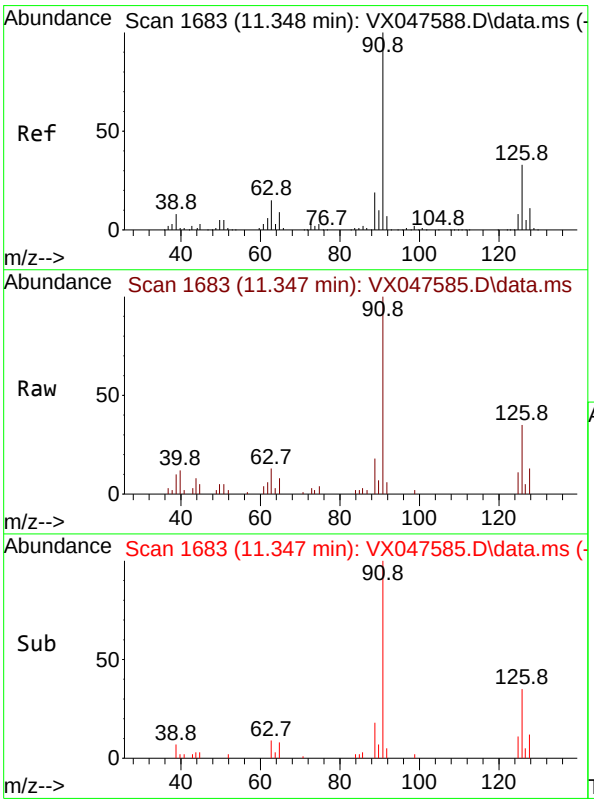
Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.1	33.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

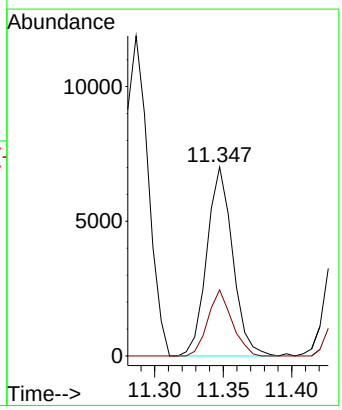


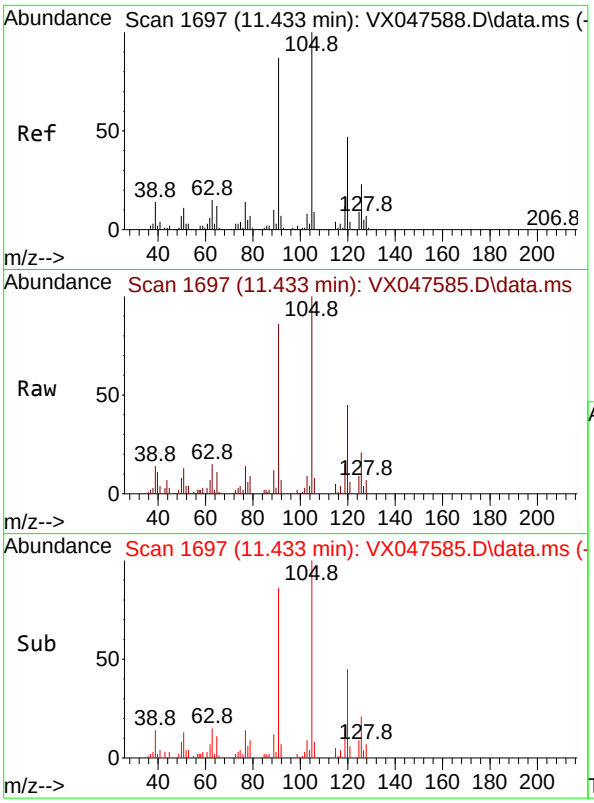


#79
2-Chlorotoluene
Concen: 0.827 ug/l
RT: 11.347 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 9195

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3





#80
1,3,5-Trimethylbenzene
Concen: 0.787 ug/l
RT: 11.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

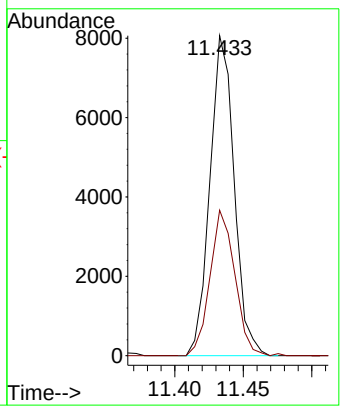
Tgt Ion:105 Resp: 992

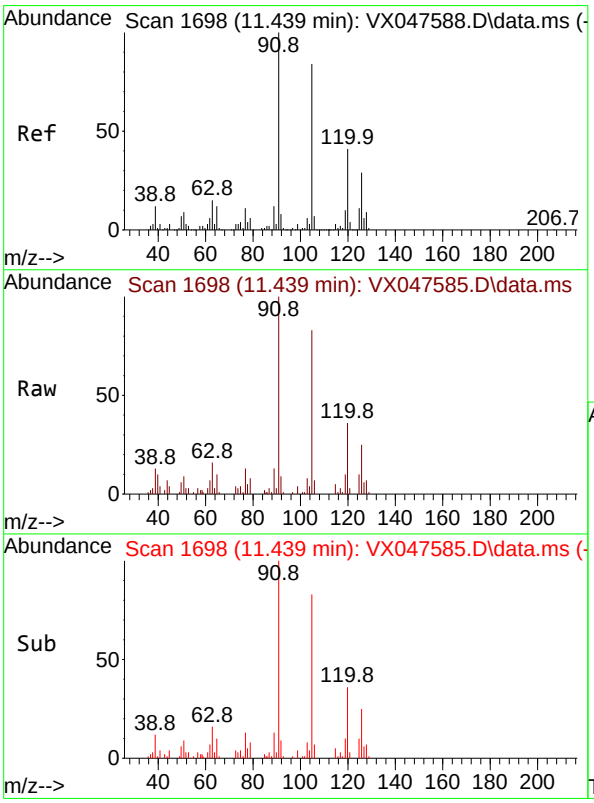
Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.6	70.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

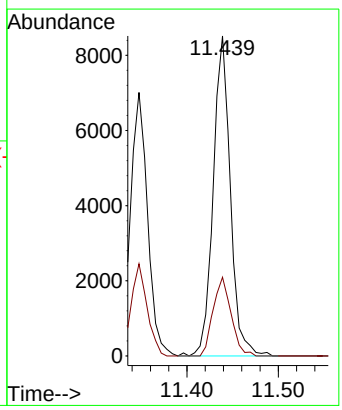


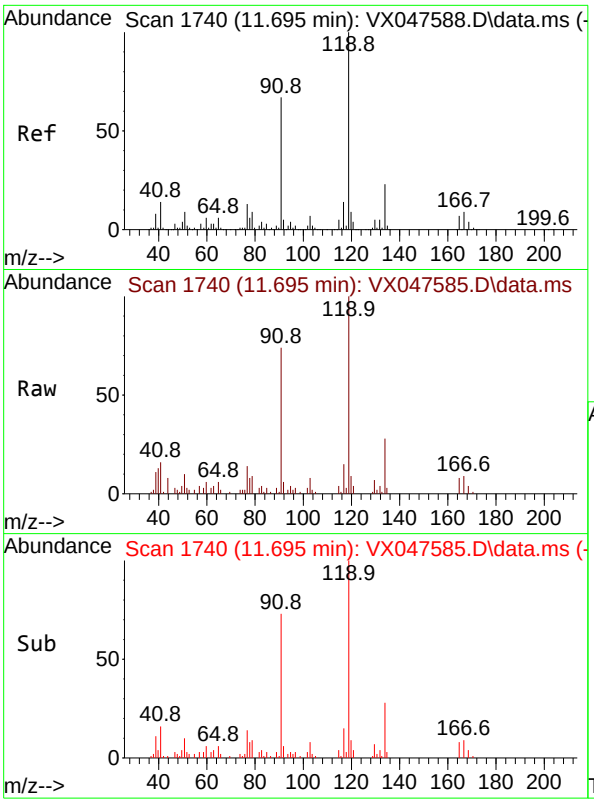


#82
4-Chlorotoluene
Concen: 0.847 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 11123

Ion	Ratio	Lower	Upper
91	100		
126	25.8	14.2	42.6

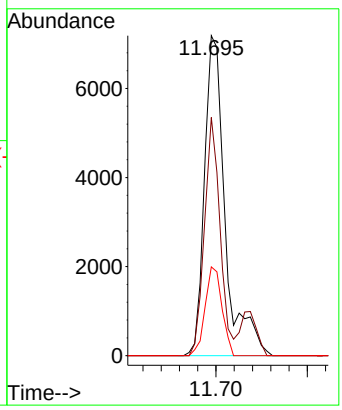




#83
tert-Butylbenzene
Concen: 0.876 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:119 Resp: 1131

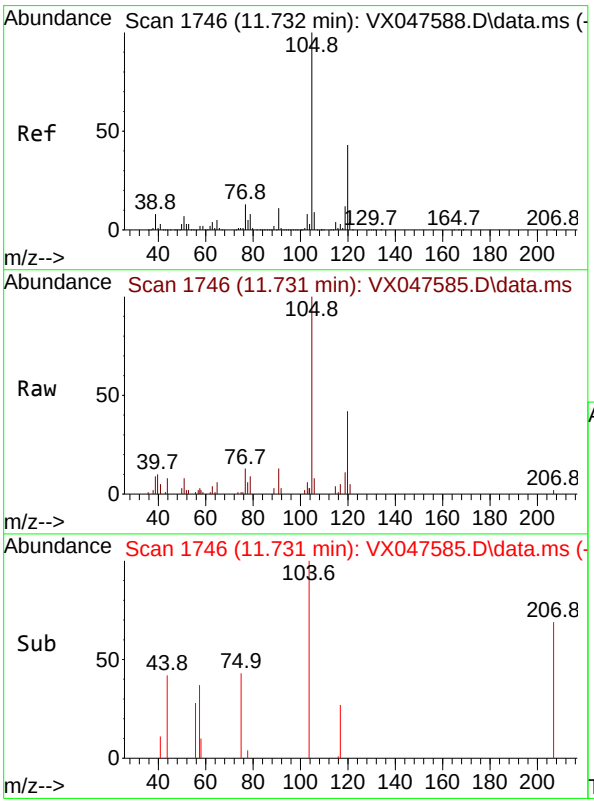
Ion	Ratio	Lower	Upper
119	100		
91	56.1	29.6	88.8
134	22.5	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

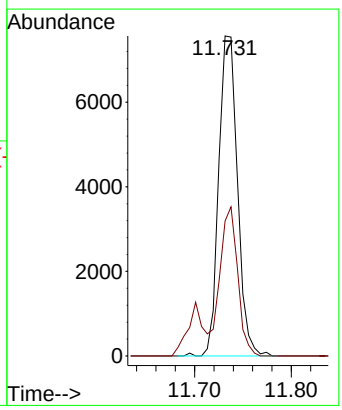
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

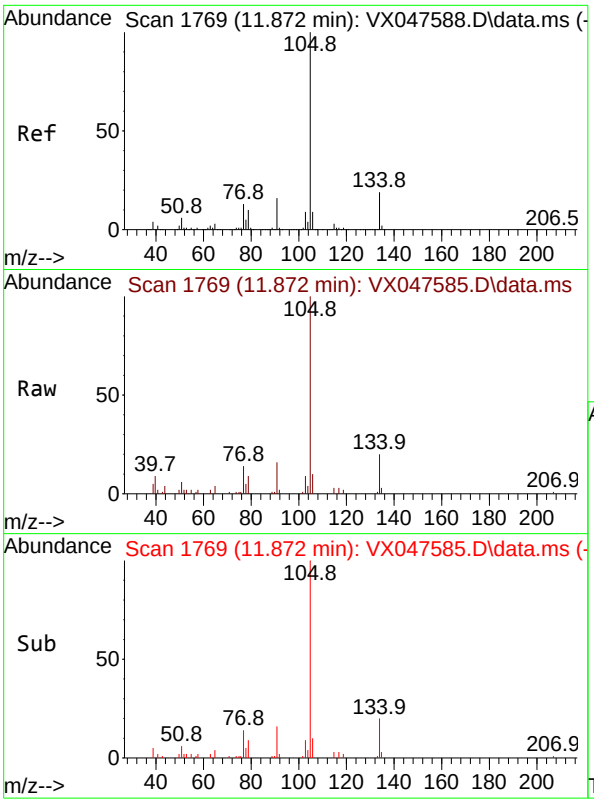


#84
1,2,4-Trimethylbenzene
Concen: 0.796 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:105 Resp: 10187

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.1	66.1

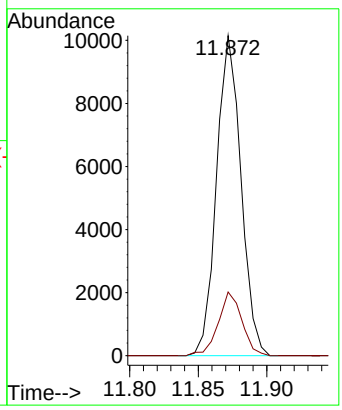




#85
sec-Butylbenzene
Concen: 0.819 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:105 Resp: 1256

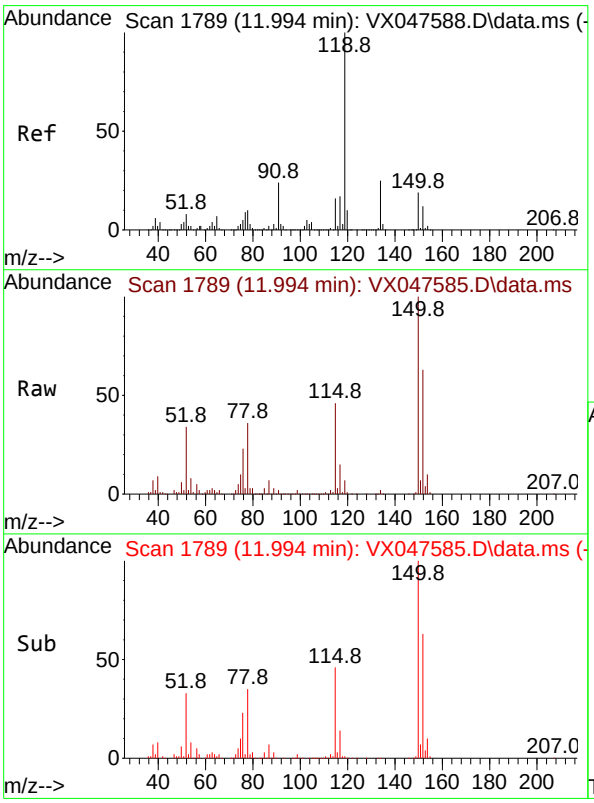
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

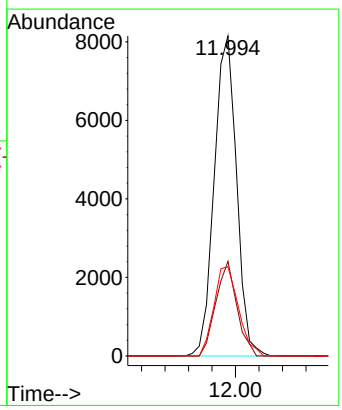
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

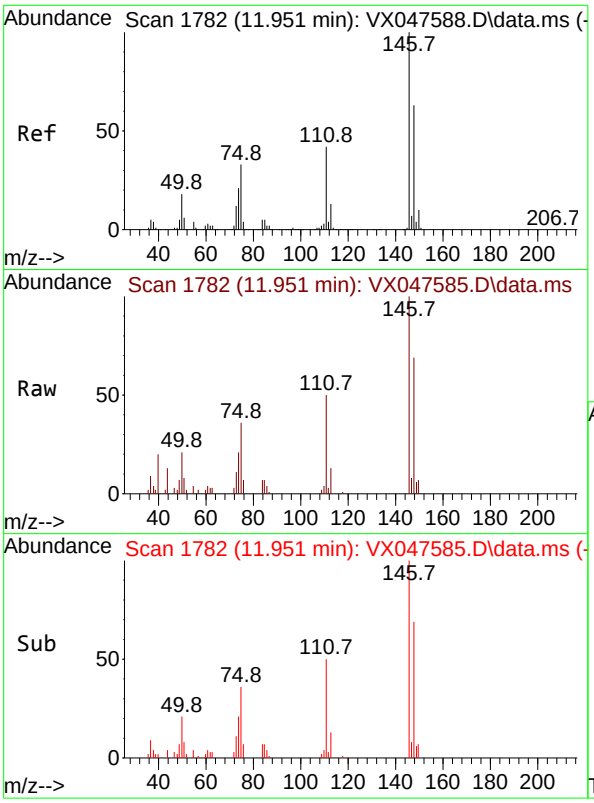


#86
p-Isopropyltoluene
Concen: 0.827 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:119 Resp: 10744

Ion	Ratio	Lower	Upper
119	100		
134	27.9	12.6	37.8
91	30.8	12.6	37.6

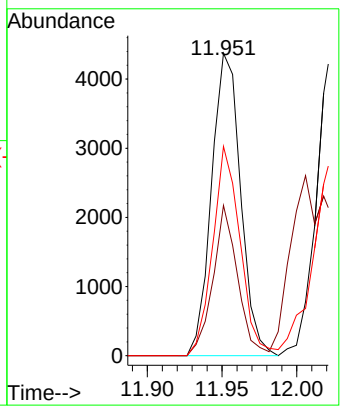




#87
1,3-Dichlorobenzene
Concen: 0.841 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:146 Resp: 590

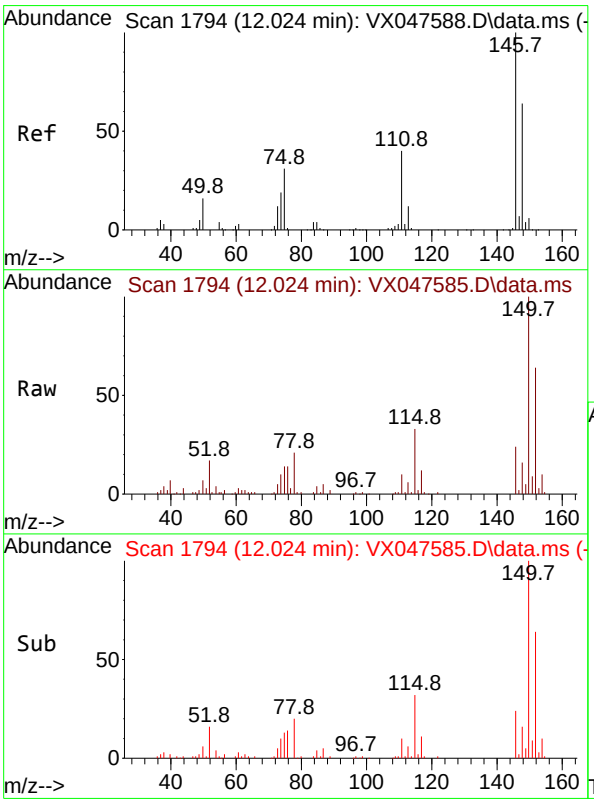
Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.5	64.5
148	65.5	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

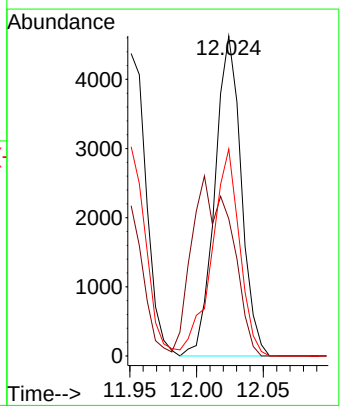
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

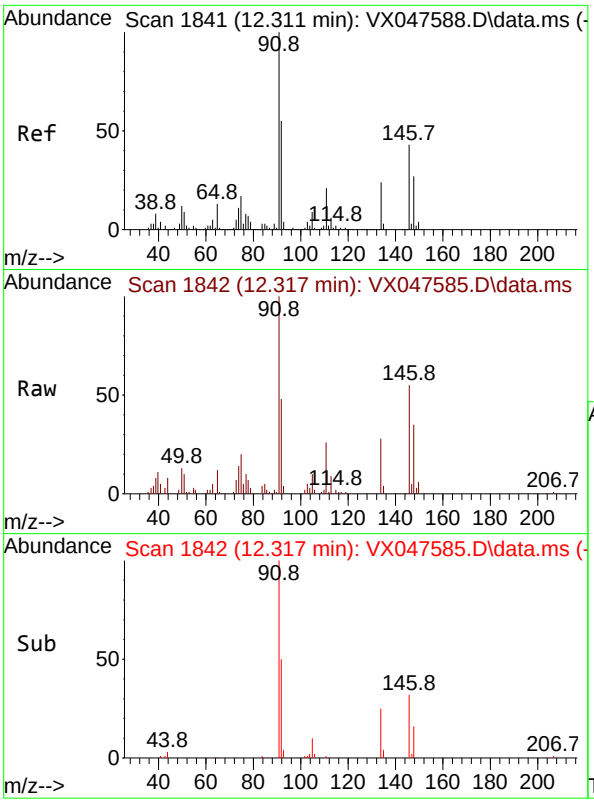


#88
1,4-Dichlorobenzene
Concen: 0.880 ug/l m
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:146 Resp: 6341

Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.8	62.4
148	61.1	31.7	95.1





#89
n-Butylbenzene
Concen: 0.816 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

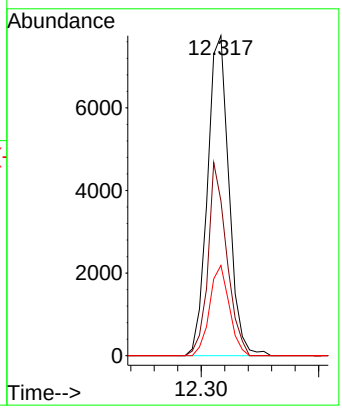
Tgt Ion: 91 Resp: 981

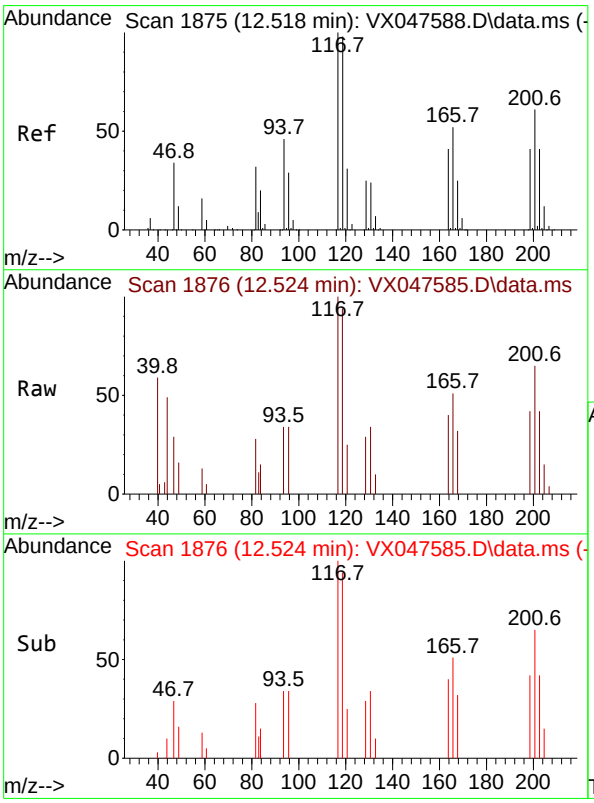
Ion	Ratio	Lower	Upper
91	100		
92	52.4	27.6	82.7
134	25.9	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

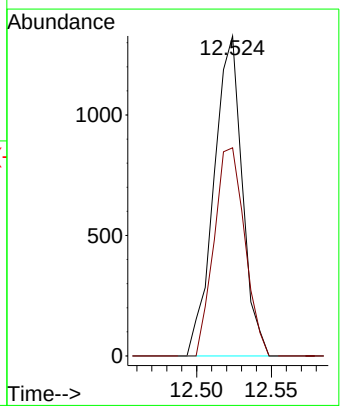


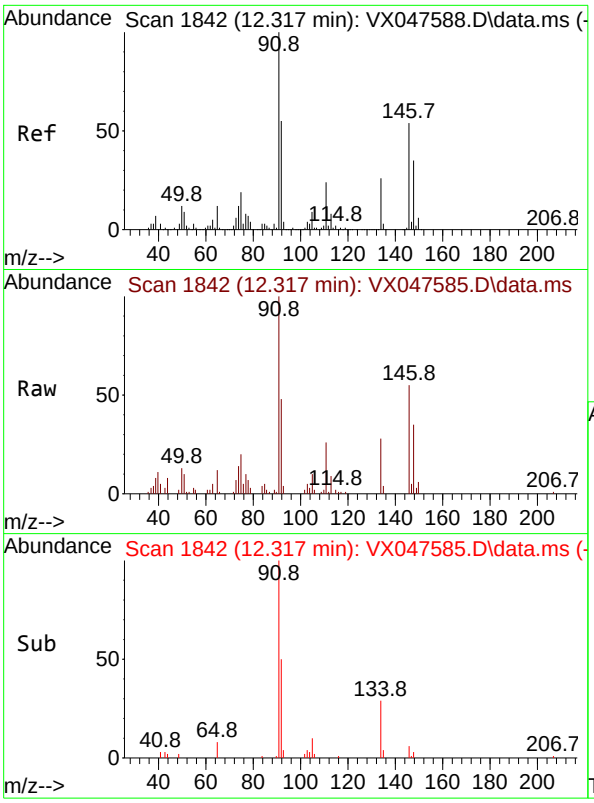


#90
Hexachloroethane
Concen: 0.768 ug/l
RT: 12.524 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:117 Resp: 1752

Ion	Ratio	Lower	Upper
117	100		
201	70.4	34.2	102.5

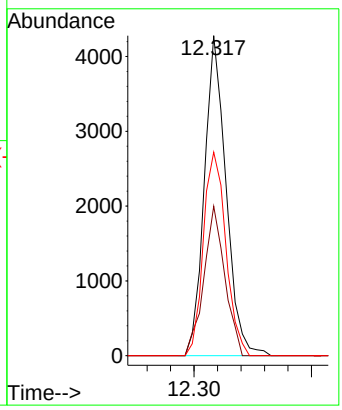




#91
1,2-Dichlorobenzene
Concen: 0.820 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:146 Resp: 549

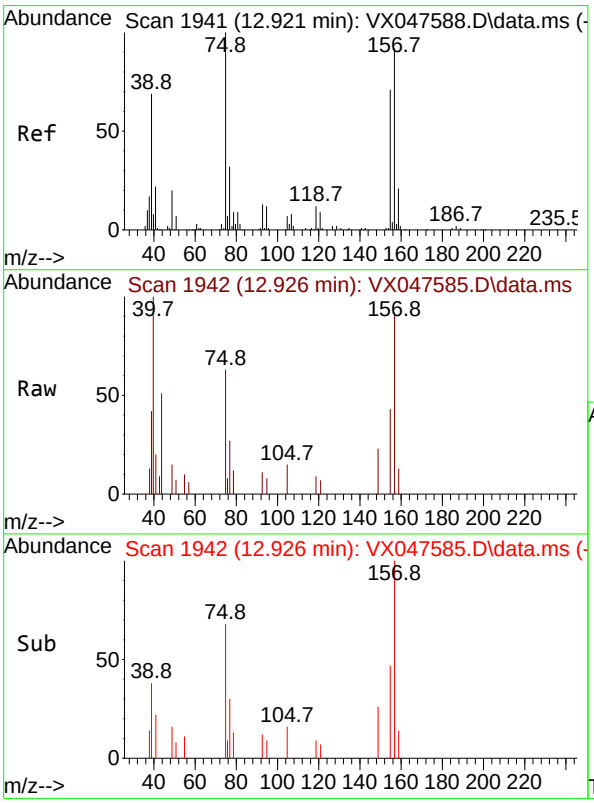
Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.2	66.6
148	65.8	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

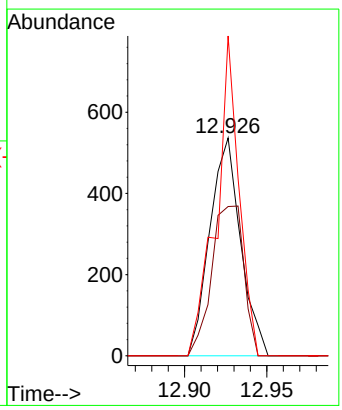
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

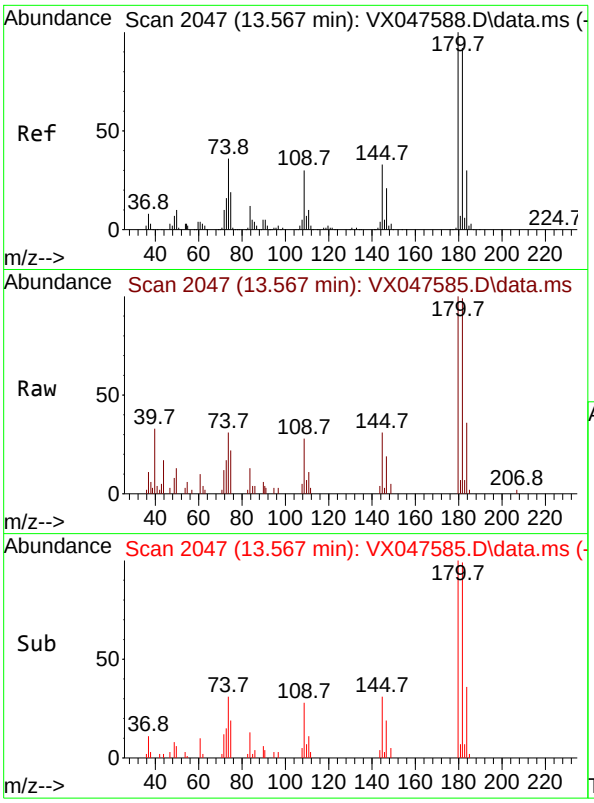


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.742 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 698

Ion	Ratio	Lower	Upper
75	100		
155	72.1	37.7	113.1
157	108.7	49.8	149.4

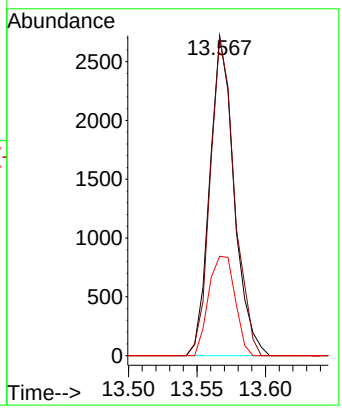




#93
1,2,4-Trichlorobenzene
Concen: 0.772 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:180 Resp: 335

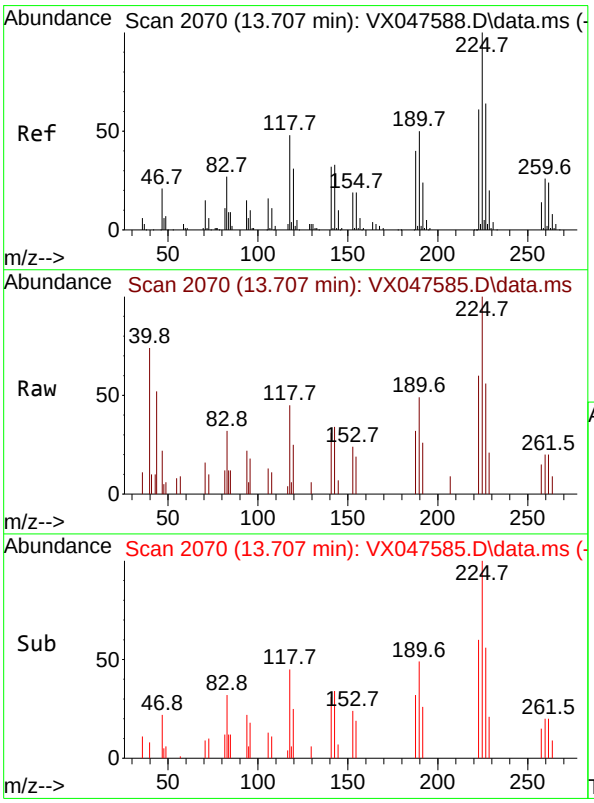
Ion	Ratio	Lower	Upper
180	100		
182	98.6	46.6	139.8
145	33.7	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

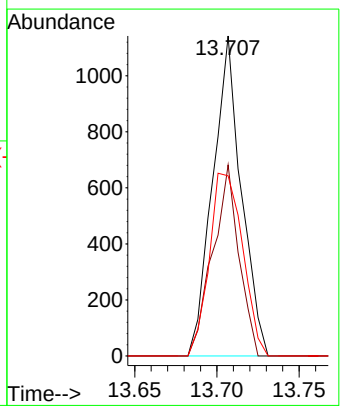
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

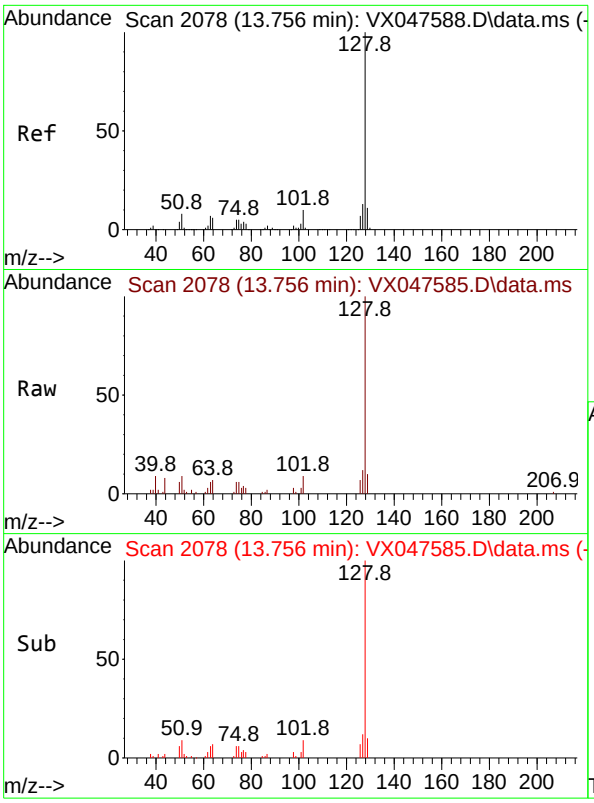


#94
Hexachlorobutadiene
Concen: 0.933 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:225 Resp: 1378

Ion	Ratio	Lower	Upper
225	100		
223	54.8	31.7	95.1
227	66.7	32.0	96.0

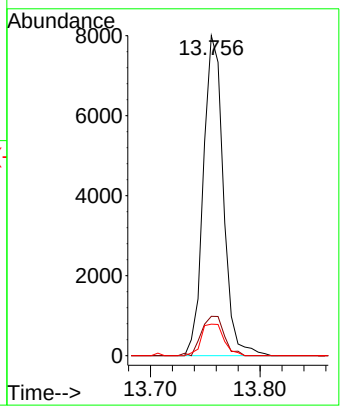




#95
Naphthalene
Concen: 0.763 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:128 Resp: 1011

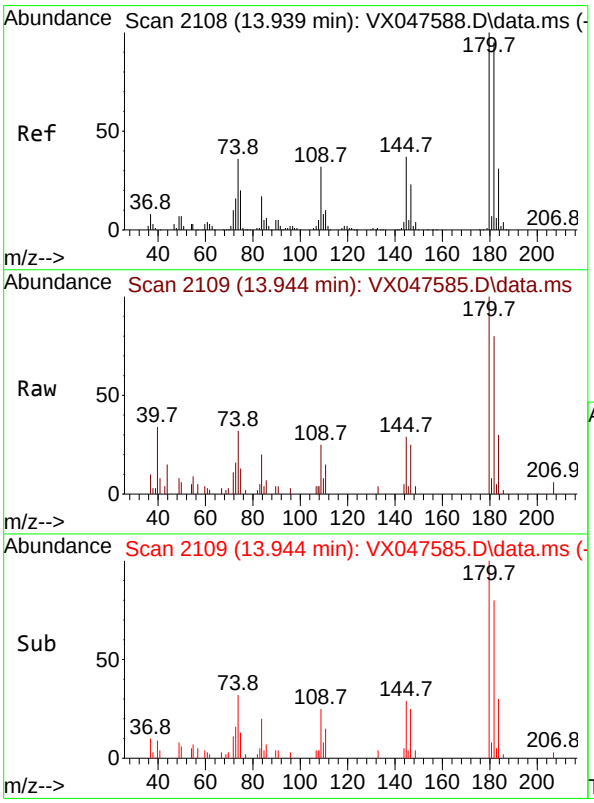
Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.2	15.2
129	11.2	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

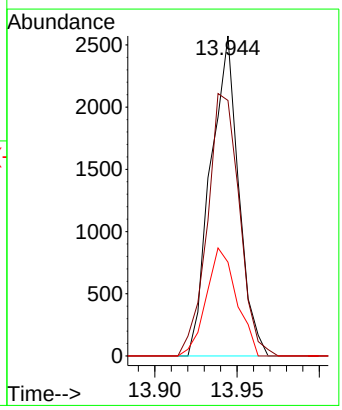
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 0.752 ug/l
RT: 13.944 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:180 Resp: 3043

Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.6	142.8
145	36.6	17.9	53.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:10:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	198376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	355026	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	317288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	156219	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	17538	5.554	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	11.100%#		
35) Dibromofluoromethane	5.373	113	12647	5.312	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.620%#		
50) Toluene-d8	8.635	98	43926	5.332	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	10.660%#		
62) 4-Bromofluorobenzene	11.061	95	16974	5.429	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	10.860%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	11403	5.551	ug/l	93
3) Chloromethane	1.301	50	14854	5.502	ug/l	99
4) Vinyl Chloride	1.380	62	14147	5.353	ug/l	97
5) Bromomethane	1.618	94	9780	5.836	ug/l	87
6) Chloroethane	1.697	64	8926	5.053	ug/l	96
7) Trichlorofluoromethane	1.898	101	20497	5.223	ug/l	100
8) Diethyl Ether	2.136	74	8039	5.008	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	11729	5.112	ug/l	98
10) Methyl Iodide	2.453	142	17159	4.795	ug/l	98
11) Tert butyl alcohol	2.947	59	8399	23.883	ug/l	99
12) 1,1-Dichloroethene	2.325	96	12131	5.147	ug/l	91
13) Acrolein	2.239	56	7080	21.847	ug/l	95
14) Allyl chloride	2.666	41	25135	5.168	ug/l	99
15) Acrylonitrile	3.062	53	32587	25.016	ug/l	99
16) Acetone	2.374	43	41297	30.079	ug/l	97
17) Carbon Disulfide	2.514	76	34426	5.335	ug/l	100
18) Methyl Acetate	2.703	43	13357	4.371	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	44396	5.160	ug/l	98
20) Methylene Chloride	2.788	84	15307	5.267	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	13937	5.492	ug/l	97
22) Diisopropyl ether	3.757	45	50213	5.327	ug/l	98
23) Vinyl Acetate	3.715	43	192175	25.474	ug/l	99
24) 1,1-Dichloroethane	3.611	63	26292	5.248	ug/l	97
25) 2-Butanone	4.544	43	46651	27.240	ug/l	92
26) 2,2-Dichloropropane	4.465	77	21738	5.220	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	15996	5.147	ug/l	98
28) Bromochloromethane	4.891	49	12047	5.508	ug/l	95
29) Tetrahydrofuran	4.995	42	26729	25.944	ug/l	92
30) Chloroform	5.080	83	27054	5.344	ug/l	99
31) Cyclohexane	5.458	56	23032	5.520	ug/l	94
32) 1,1,1-Trichloroethane	5.367	97	22279	5.188	ug/l	96
36) 1,1-Dichloropropene	5.684	75	18455	5.304	ug/l	98
37) Ethyl Acetate	4.708	43	19913	5.345	ug/l #	97
38) Carbon Tetrachloride	5.666	117	20376	5.390	ug/l	96
39) Methylcyclohexane	7.367	83	20900	5.292	ug/l	97
40) Benzene	6.019	78	55996	5.299	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 06:10:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.904	41	9390	4.883	ug/l		95
42) 1,2-Dichloroethane	6.074	62	21117	5.252	ug/l		99
43) Isopropyl Acetate	6.324	43	31304	5.124	ug/l		99
44) Trichloroethene	7.111	130	13576	5.314	ug/l		97
45) 1,2-Dichloropropane	7.415	63	14305	5.287	ug/l		99
46) Dibromomethane	7.568	93	10133	5.146	ug/l		99
47) Bromodichloromethane	7.806	83	21270	5.235	ug/l		99
48) Methyl methacrylate	7.677	41	14959	4.915	ug/l		99
49) 1,4-Dioxane	7.653	88	3017	98.096	ug/l	#	90
51) 4-Methyl-2-Pentanone	8.555	43	87492	25.828	ug/l		100
52) Toluene	8.702	92	34314	5.271	ug/l		98
53) t-1,3-Dichloropropene	8.964	75	20863	5.034	ug/l		97
54) cis-1,3-Dichloropropene	8.354	75	23157	5.227	ug/l		98
55) 1,1,2-Trichloroethane	9.135	97	12968	5.166	ug/l		91
56) Ethyl methacrylate	9.104	69	19980	5.068	ug/l		97
57) 1,3-Dichloropropane	9.293	76	22989	5.331	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	37585	27.899	ug/l		98
59) 2-Hexanone	9.415	43	66356	27.275	ug/l		99
60) Dibromochloromethane	9.506	129	14705	5.084	ug/l		95
61) 1,2-Dibromoethane	9.592	107	13461	5.264	ug/l		98
64) Tetrachloroethene	9.256	164	11228	5.428	ug/l		97
65) Chlorobenzene	10.061	112	37507	5.203	ug/l		96
66) 1,1,1,2-Tetrachloroethane	10.147	131	12807	5.149	ug/l		99
67) Ethyl Benzene	10.177	91	65908	5.299	ug/l		100
68) m/p-Xylenes	10.287	106	49132	10.613	ug/l		99
69) o-Xylene	10.628	106	23300	5.204	ug/l		98
70) Styrene	10.640	104	40872	5.210	ug/l		99
71) Bromoform	10.781	173	9298	5.006	ug/l	#	97
73) Isopropylbenzene	10.945	105	61029	5.139	ug/l		100
74) N-amyl acetate	10.823	43	26969	4.980	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	18462	5.138	ug/l		98
76) 1,2,3-Trichloropropane	11.220	75	15982m	4.927	ug/l		
77) Bromobenzene	11.183	156	15066	5.150	ug/l		99
78) n-propylbenzene	11.287	91	72900	5.192	ug/l		100
79) 2-Chlorotoluene	11.348	91	44663	5.194	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	50535	5.179	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	5413	4.364	ug/l		91
82) 4-Chlorotoluene	11.439	91	52294	5.149	ug/l		100
83) tert-Butylbenzene	11.695	119	50350	5.041	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	51583	5.214	ug/l		100
85) sec-Butylbenzene	11.872	105	62507	5.268	ug/l		99
86) p-Isopropyltoluene	11.994	119	52674	5.244	ug/l		98
87) 1,3-Dichlorobenzene	11.951	146	28116	5.175	ug/l		100
88) 1,4-Dichlorobenzene	12.024	146	29519	5.294	ug/l		93
89) n-Butylbenzene	12.317	91	47953	5.159	ug/l		99
90) Hexachloroethane	12.518	117	8830	5.007	ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	26409	5.102	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	3412	4.690	ug/l		99
93) 1,2,4-Trichlorobenzene	13.567	180	17167	5.103	ug/l		98
94) Hexachlorobutadiene	13.707	225	5894	5.158	ug/l		99
95) Naphthalene	13.756	128	49257	4.808	ug/l		99
96) 1,2,3-Trichlorobenzene	13.939	180	15400	4.921	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:10:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 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

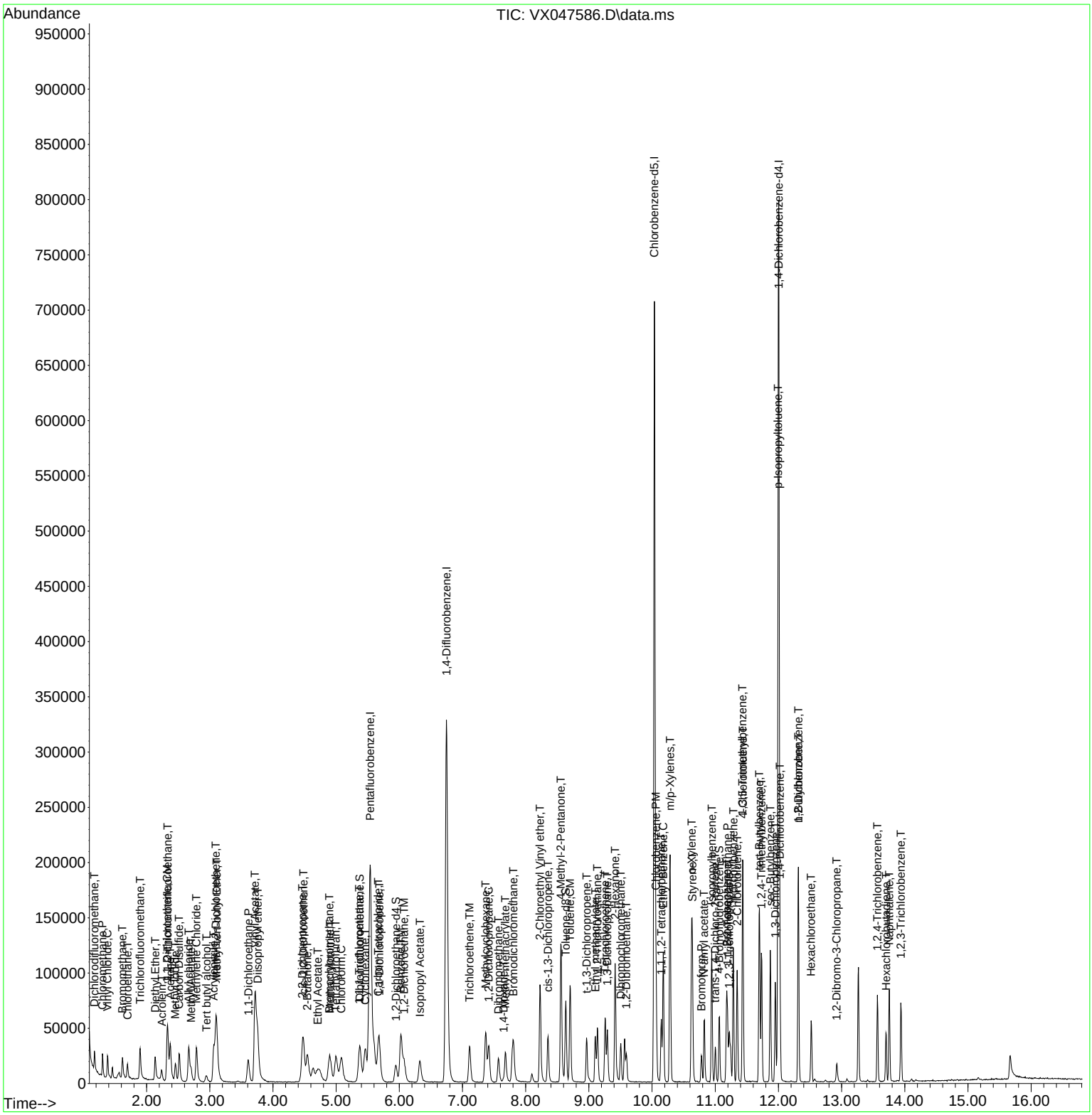
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

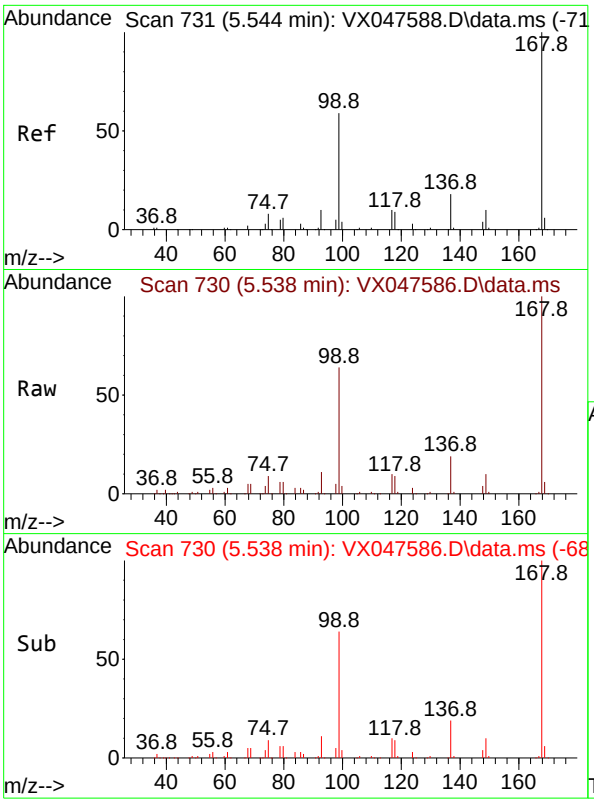
Quant Time: Sep 17 06:10:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

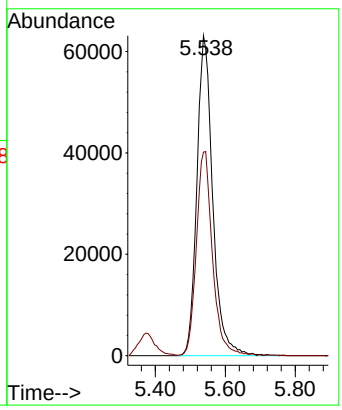




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:168 Resp: 19837

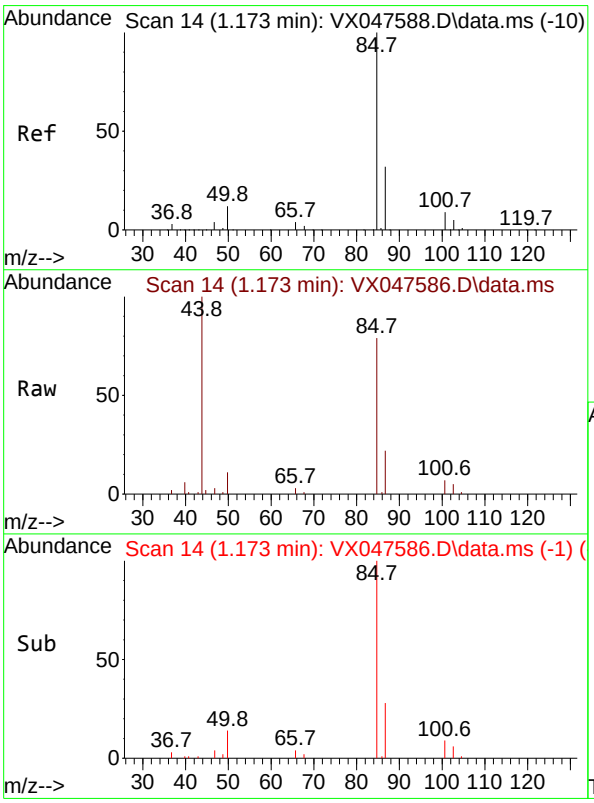
Ion	Ratio	Lower	Upper
168	100		
99	63.5	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

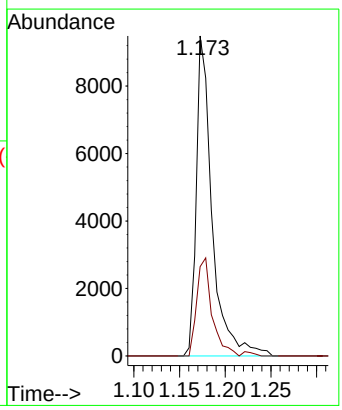
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

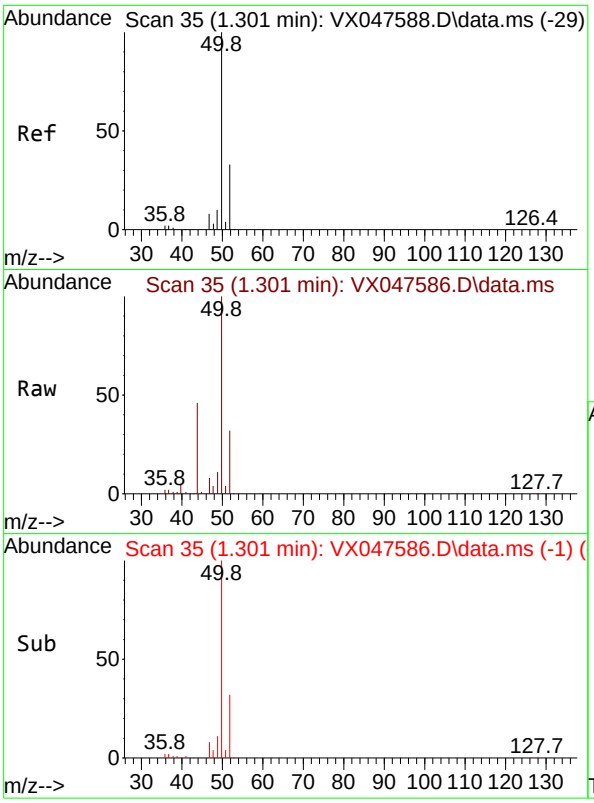


#2
Dichlorodifluoromethane
Concen: 5.551 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 85 Resp: 11403

Ion	Ratio	Lower	Upper
85	100		
87	27.9	15.8	47.3

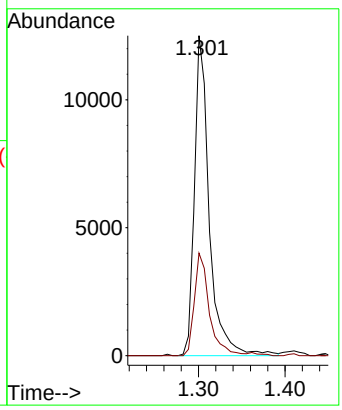




#3
Chloromethane
Concen: 5.502 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 50 Resp: 1485

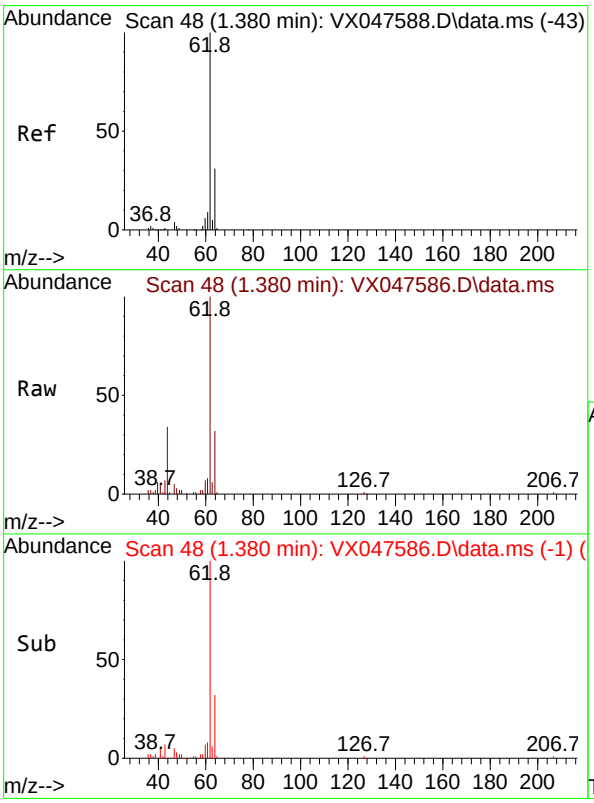
Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

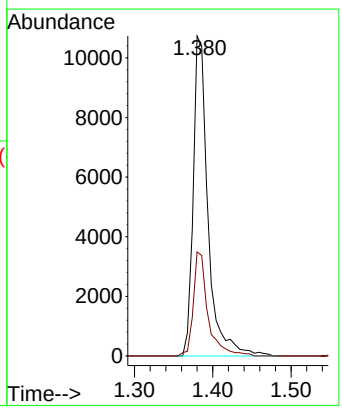
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

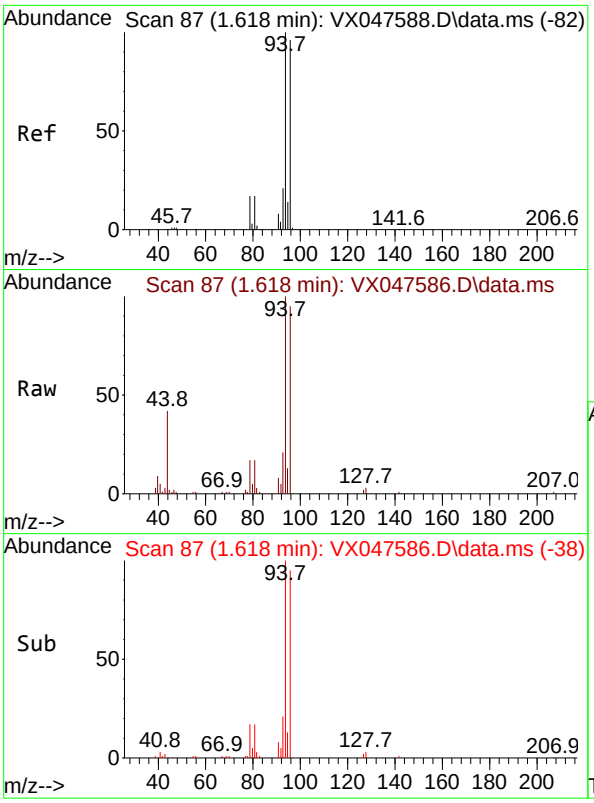


#4
Vinyl Chloride
Concen: 5.353 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 62 Resp: 14147

Ion	Ratio	Lower	Upper
62	100		
64	32.5	24.9	37.3





#5
Bromomethane
Concen: 5.836 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

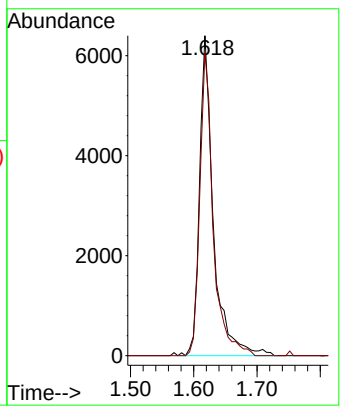
Tgt Ion: 94 Resp: 978

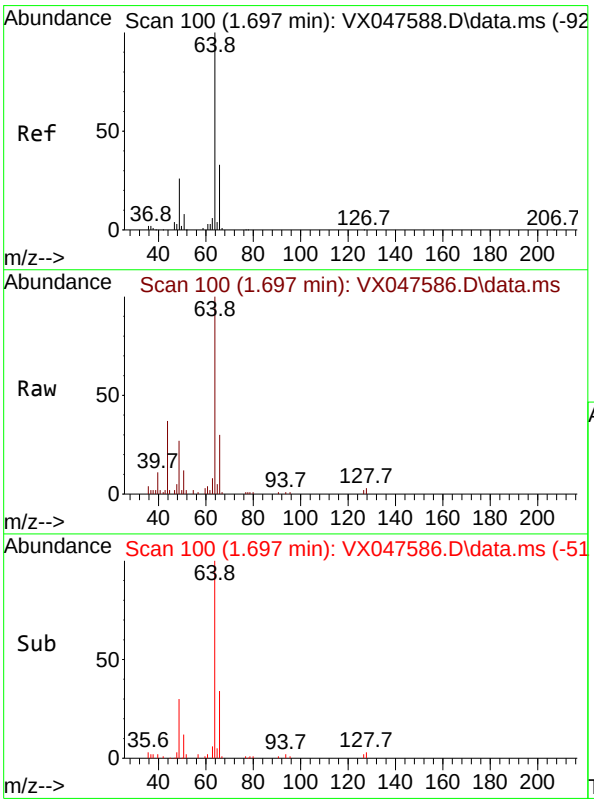
Ion	Ratio	Lower	Upper
94	100		
96	83.6	76.6	115.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

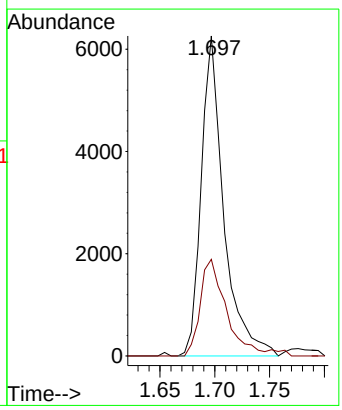


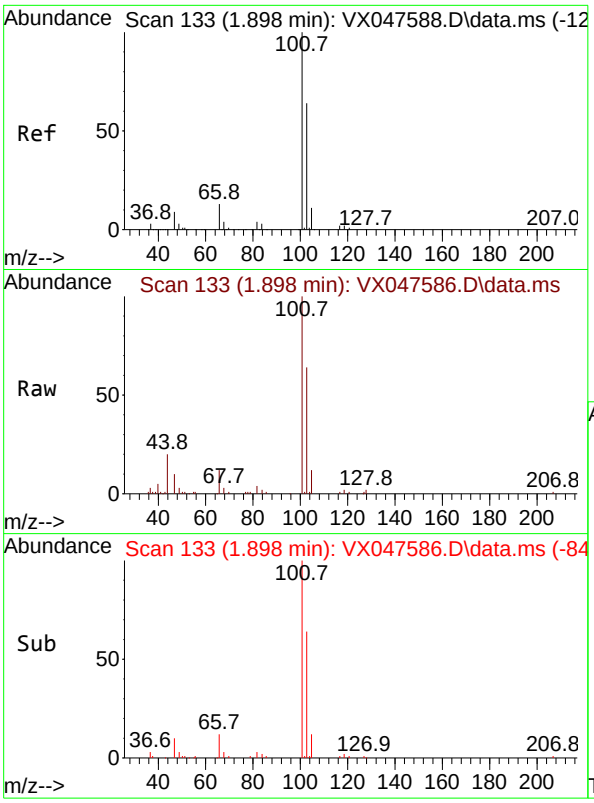


#6
Chloroethane
Concen: 5.053 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 64 Resp: 8926

Ion	Ratio	Lower	Upper
64	100		
66	30.2	26.1	39.1

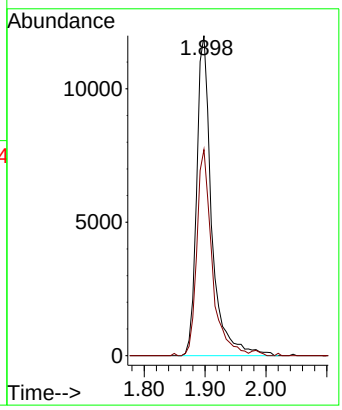




#7
Trichlorofluoromethane
Concen: 5.223 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:101 Resp: 2049

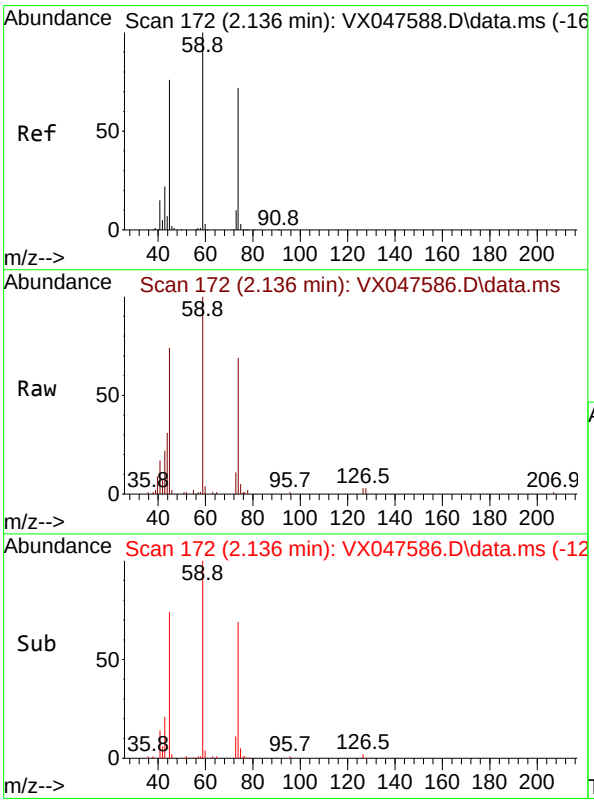
Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

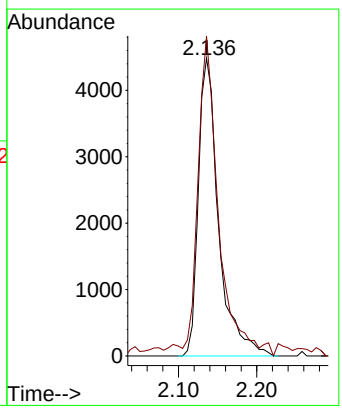
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

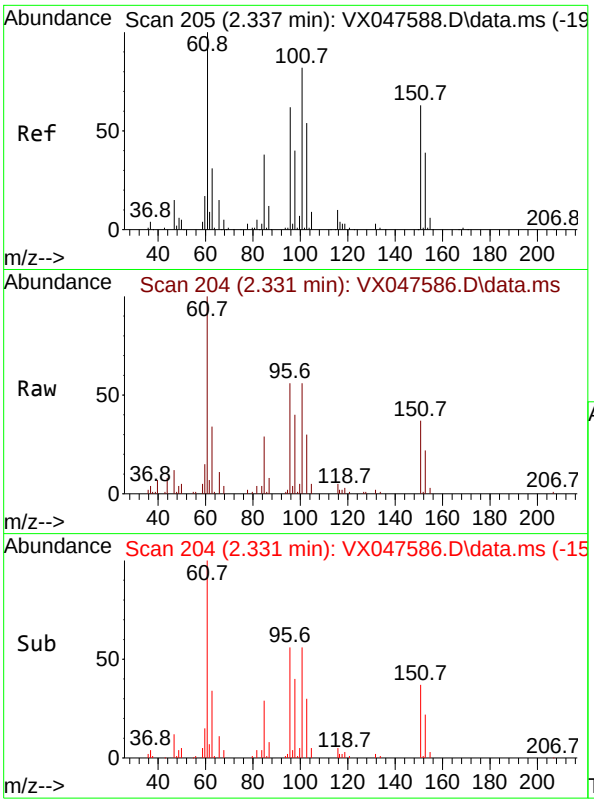


#8
Diethyl Ether
Concen: 5.008 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 74 Resp: 8039

Ion	Ratio	Lower	Upper
74	100		
45	111.7	52.3	156.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.112 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

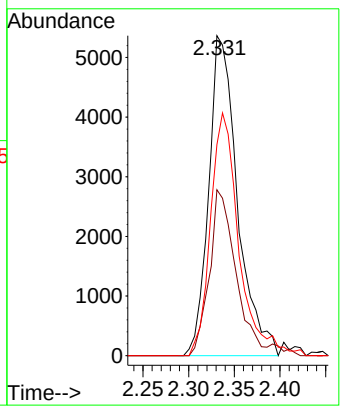
Tgt Ion:101 Resp: 1172

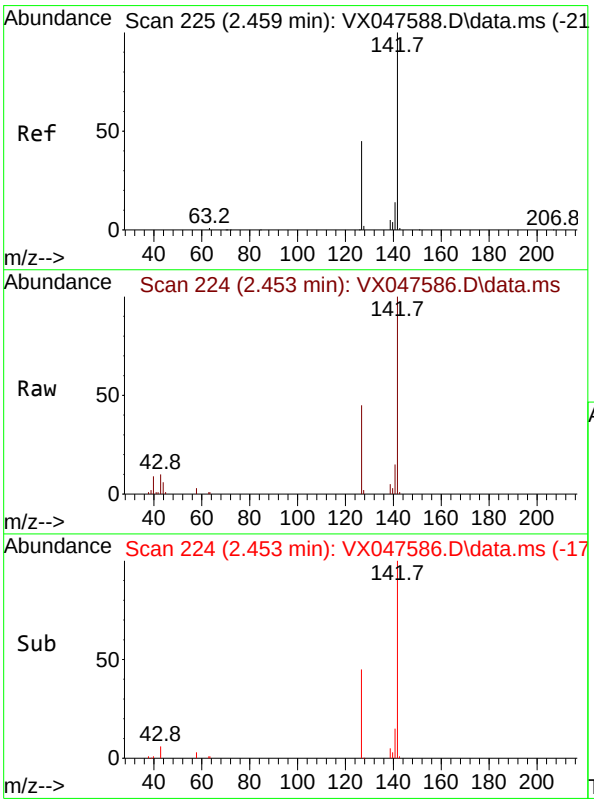
Ion	Ratio	Lower	Upper
101	100		
85	47.5	35.5	53.3
151	75.0	59.4	89.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

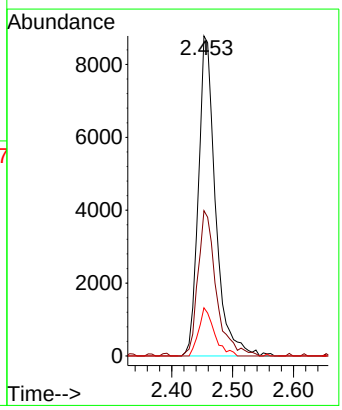


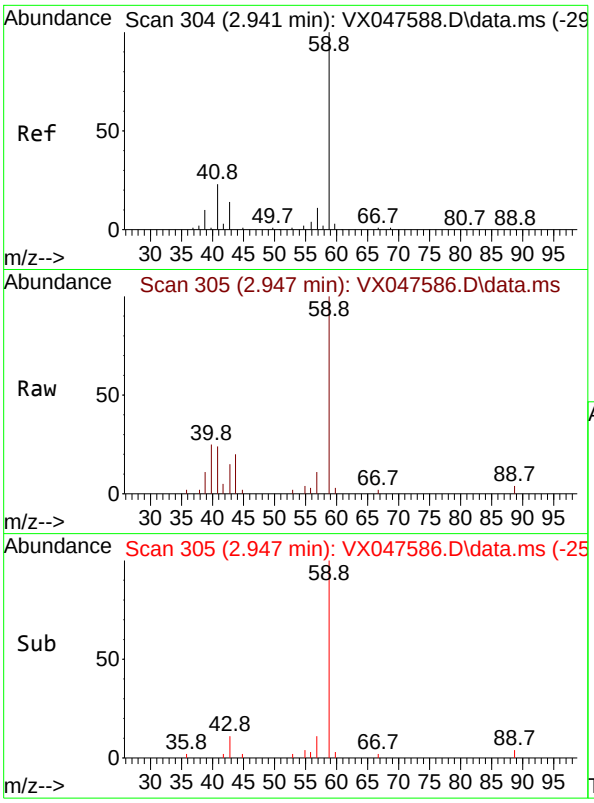


#10
Methyl Iodide
Concen: 4.795 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:142 Resp: 17159

Ion	Ratio	Lower	Upper
142	100		
127	48.4	37.2	55.8
141	13.8	11.4	17.0

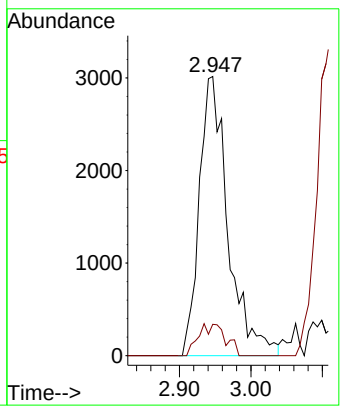




#11
Tert butyl alcohol
Concen: 23.883 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 59 Resp: 839

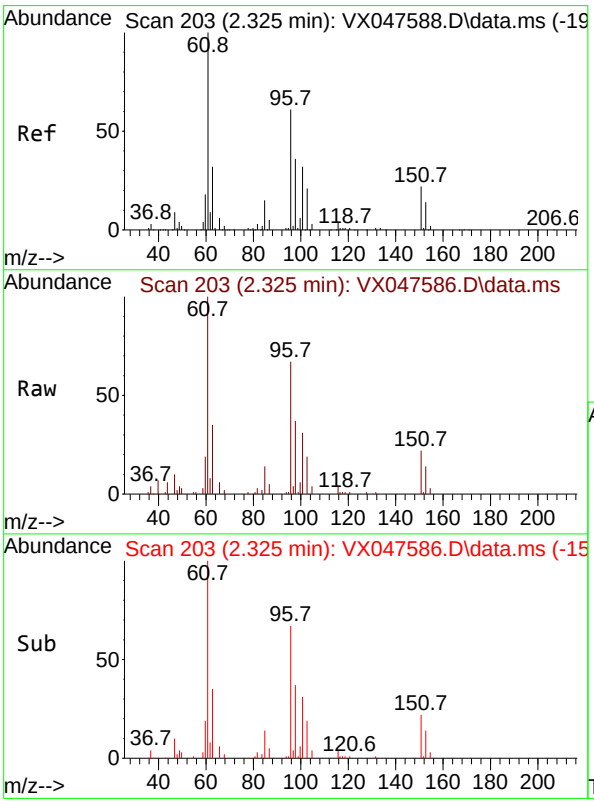
Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

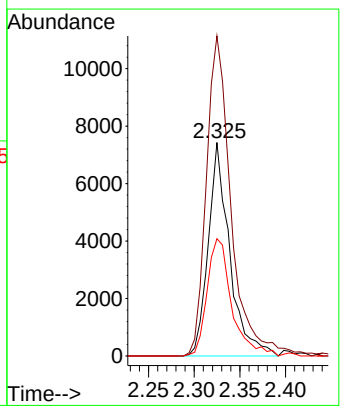
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

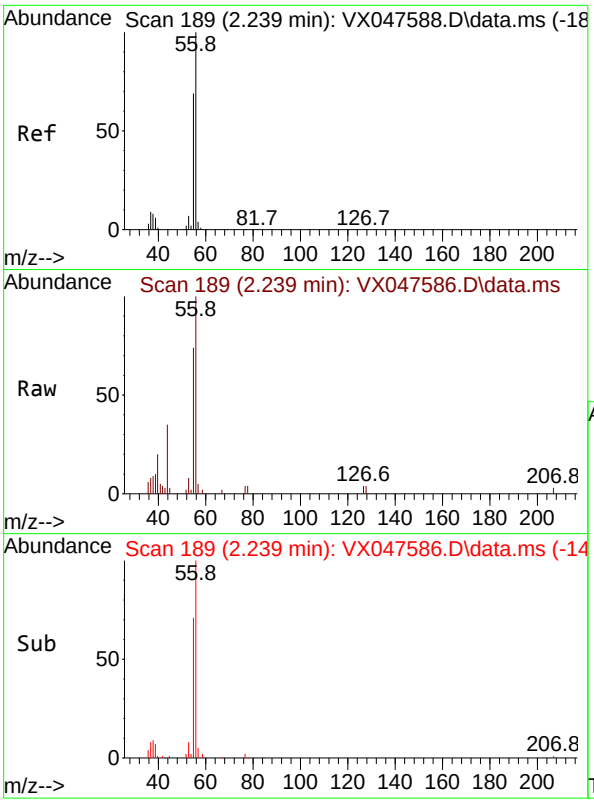


#12
1,1-Dichloroethene
Concen: 5.147 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 96 Resp: 12131

Ion	Ratio	Lower	Upper
96	100		
61	149.9	131.0	196.6
98	54.9	47.7	71.5

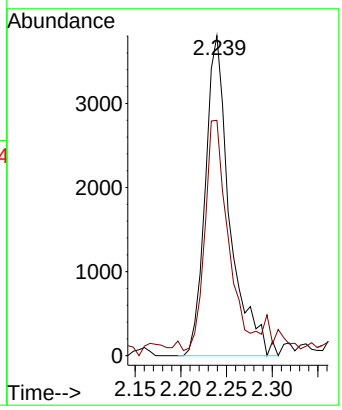




#13
Acrolein
Concen: 21.847 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 56 Resp: 708

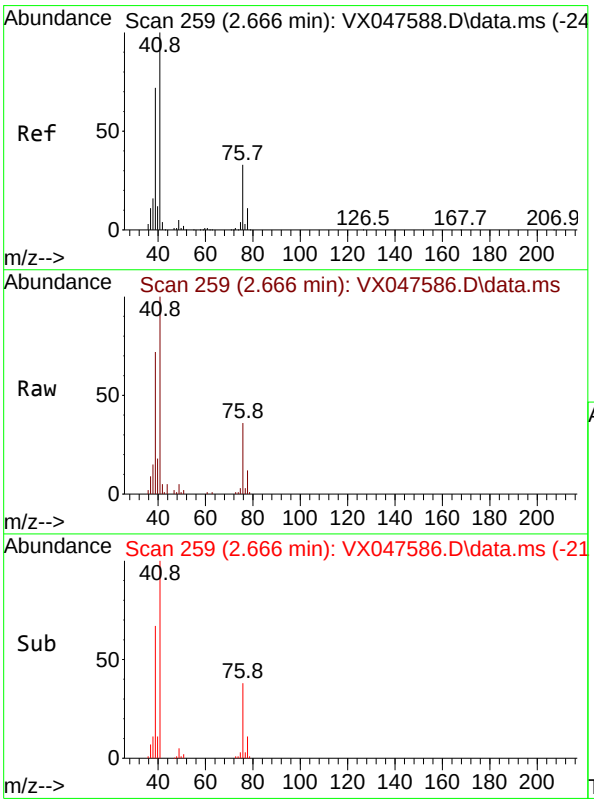
Ion	Ratio	Lower	Upper
56	100		
55	67.1	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

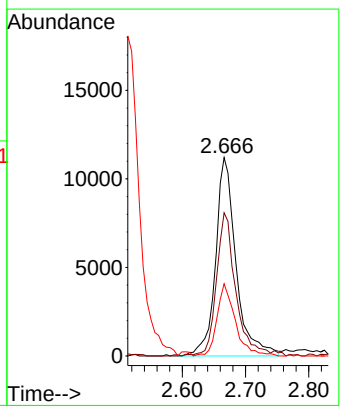
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

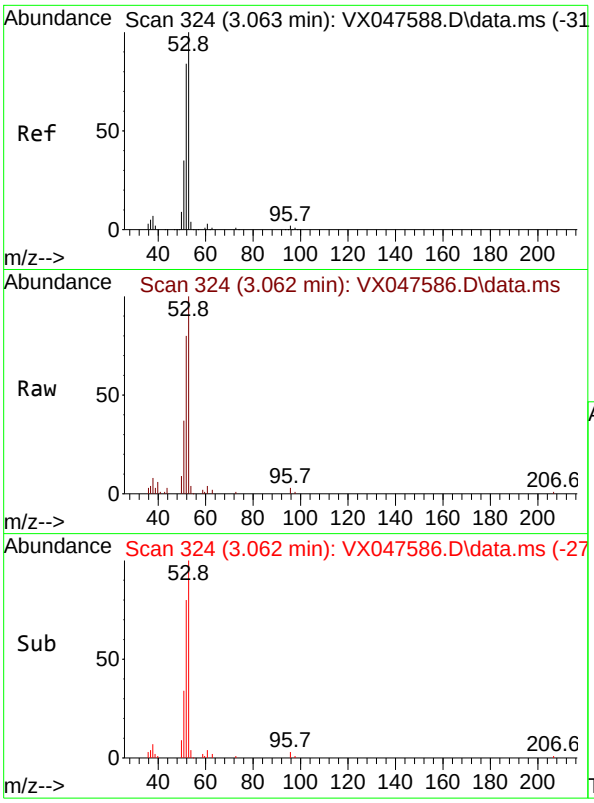


#14
Allyl chloride
Concen: 5.168 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 41 Resp: 25135

Ion	Ratio	Lower	Upper
41	100		
39	69.1	54.7	82.1
76	32.4	25.7	38.5

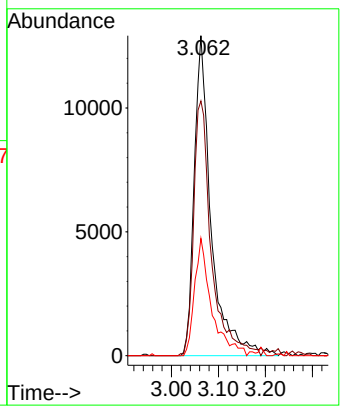




#15
Acrylonitrile
Concen: 25.016 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 53 Resp: 3258

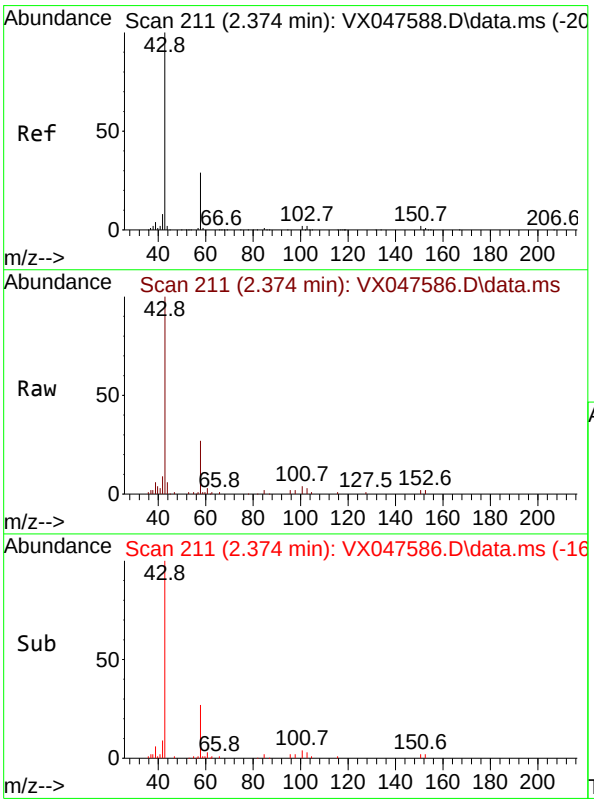
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.4	99.6
51	36.5	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

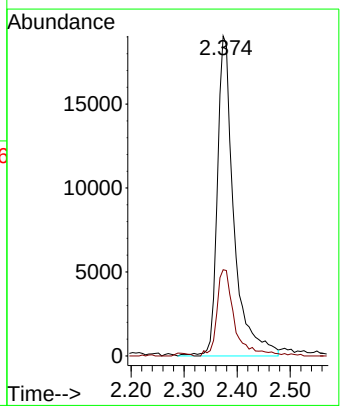
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

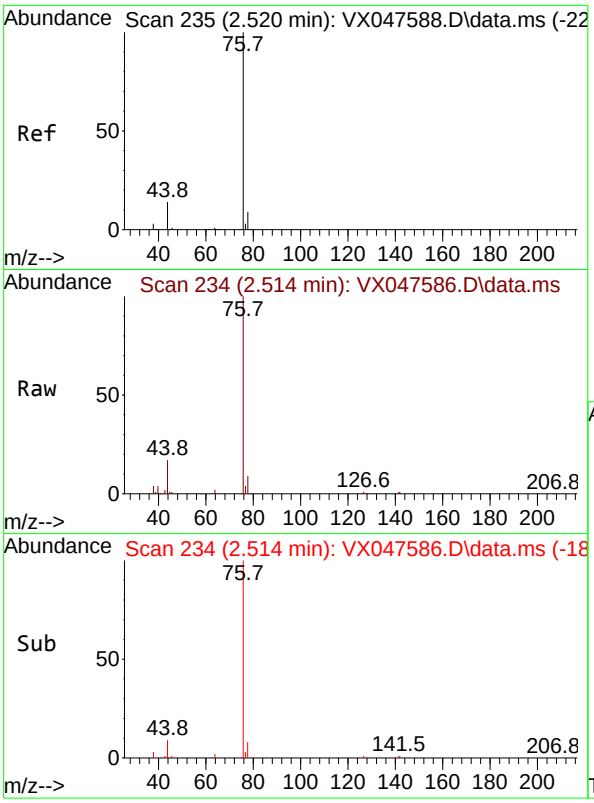


#16
Acetone
Concen: 30.079 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 41297

Ion	Ratio	Lower	Upper
43	100		
58	27.6	23.4	35.0

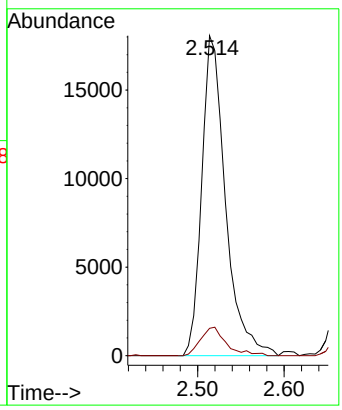




#17
Carbon Disulfide
Concen: 5.335 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 76 Resp: 3442

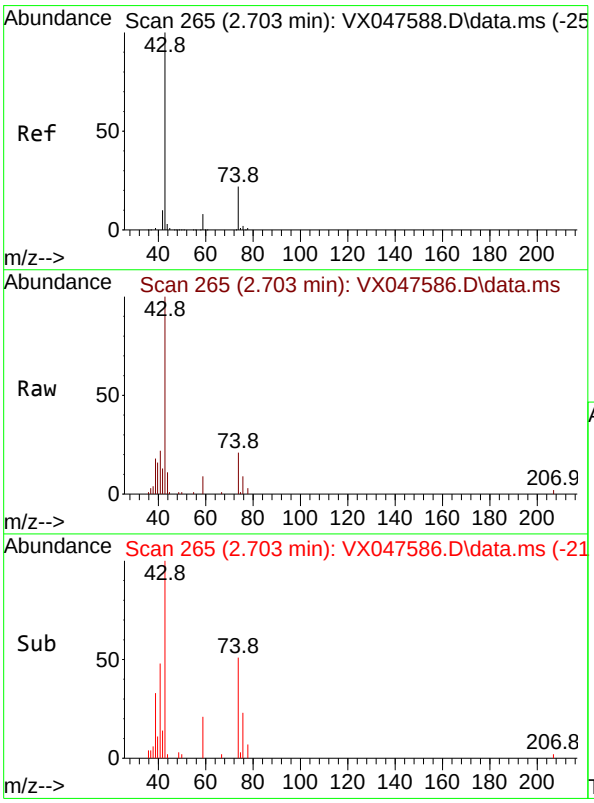
Ion	Ratio	Lower	Upper
76	100		
78	8.6	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

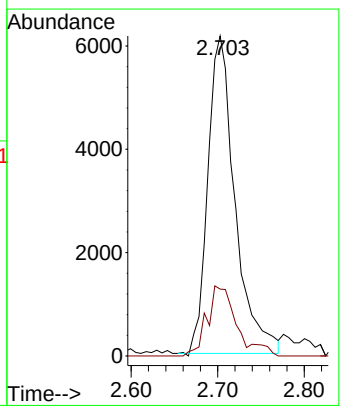
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

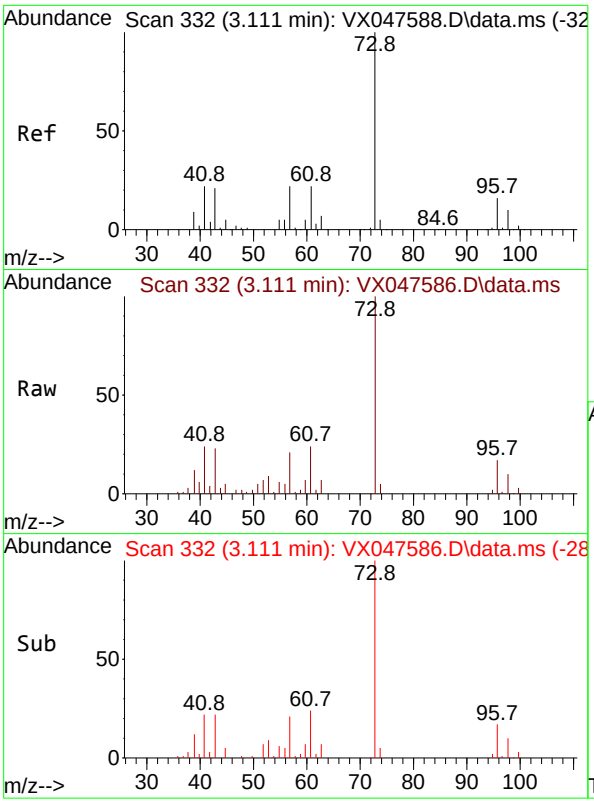


#18
Methyl Acetate
Concen: 4.371 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 13357

Ion	Ratio	Lower	Upper
43	100		
74	22.9	17.4	26.2

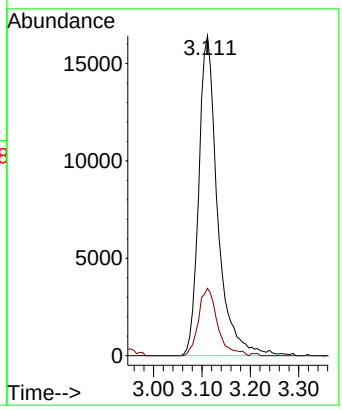




#19
Methyl tert-butyl Ether
Concen: 5.160 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 73 Resp: 4439

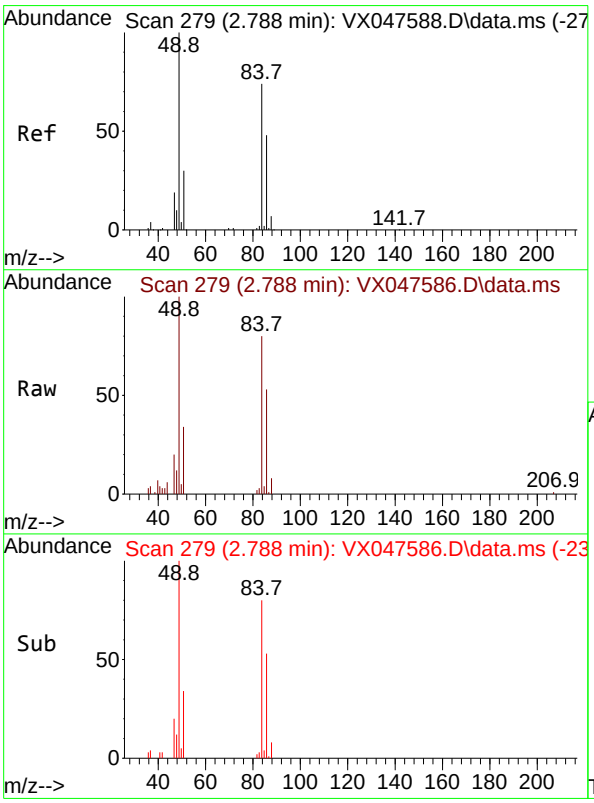
Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

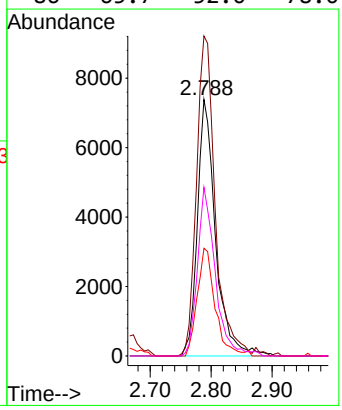
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

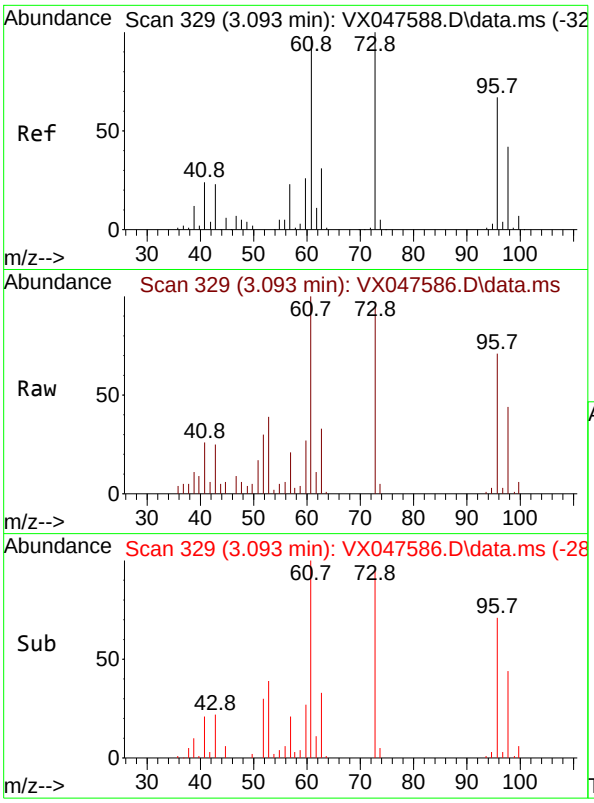


#20
Methylene Chloride
Concen: 5.267 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 84 Resp: 15307

Ion	Ratio	Lower	Upper
84	100		
49	124.7	108.6	162.8
51	42.0	32.6	48.8
86	65.7	52.0	78.0

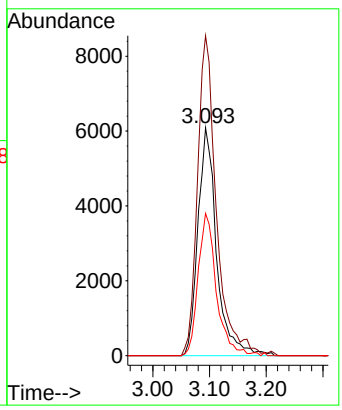




#21
trans-1,2-Dichloroethene
Concen: 5.492 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 96 Resp: 1393

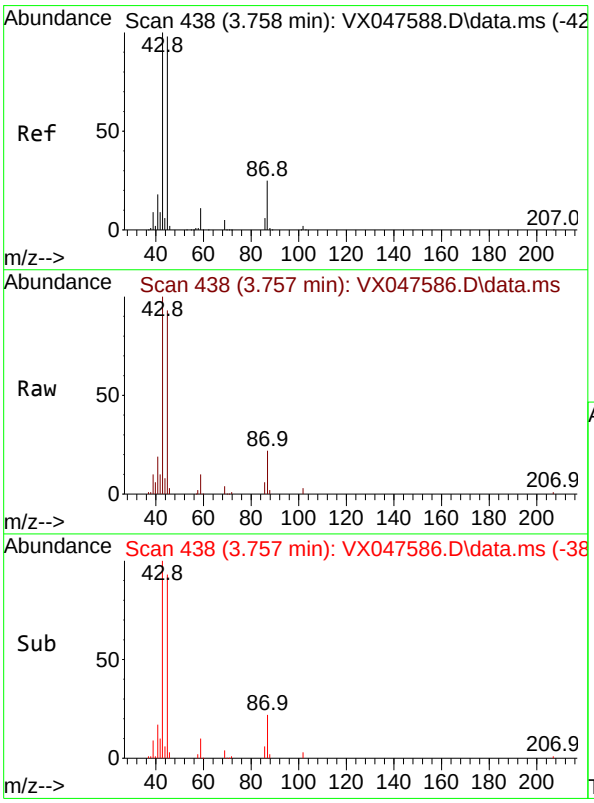
Ion	Ratio	Lower	Upper
96	100		
61	140.4	116.2	174.2
98	62.4	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

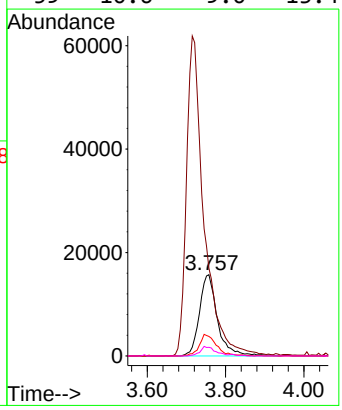
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

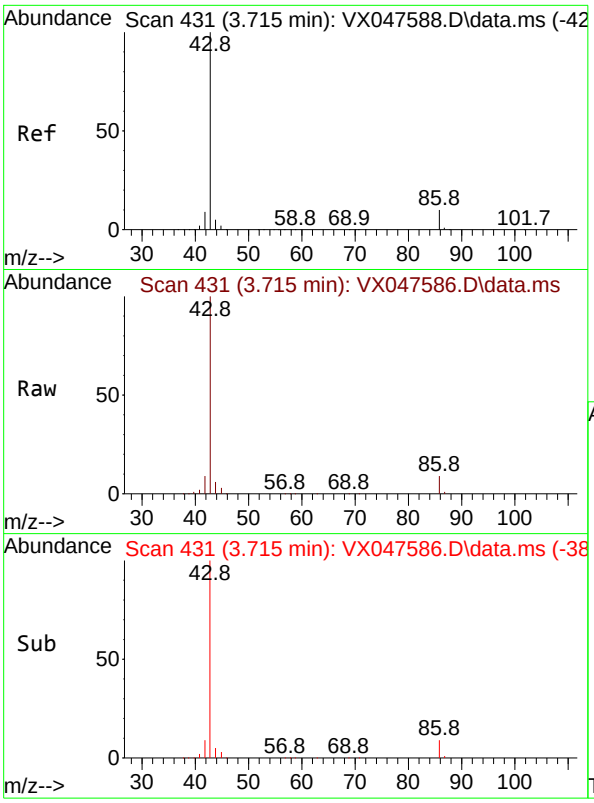


#22
Diisopropyl ether
Concen: 5.327 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 45 Resp: 50213

Ion	Ratio	Lower	Upper
45	100		
43	102.8	81.0	121.4
87	23.3	20.3	30.5
59	10.6	9.0	13.4





#23
Vinyl Acetate
Concen: 25.474 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

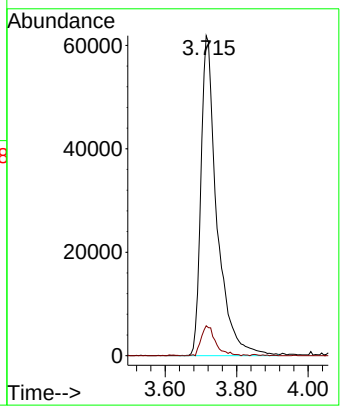
Tgt Ion: 43 Resp: 19217

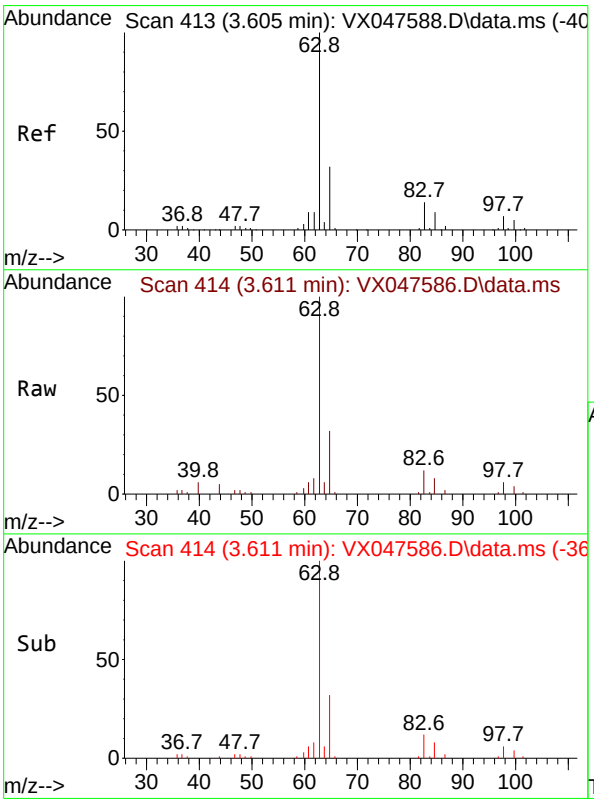
Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

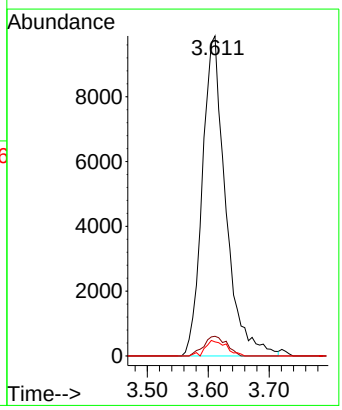


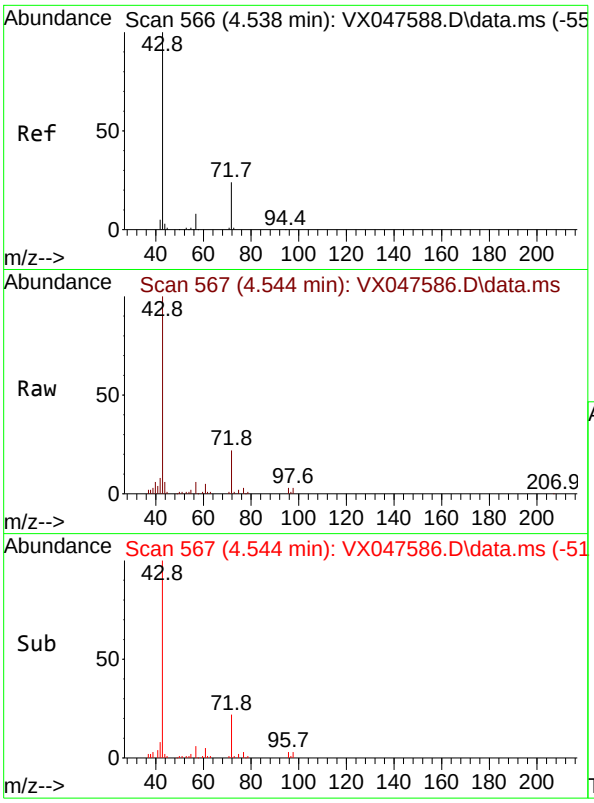


#24
1,1-Dichloroethane
Concen: 5.248 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 63 Resp: 26292

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.8	11.2
100	4.4	2.3	6.9





#25
2-Butanone
Concen: 27.240 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

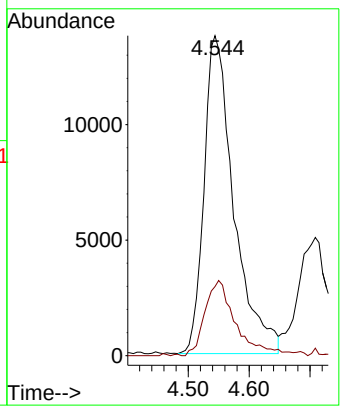
Tgt Ion: 43 Resp: 4665

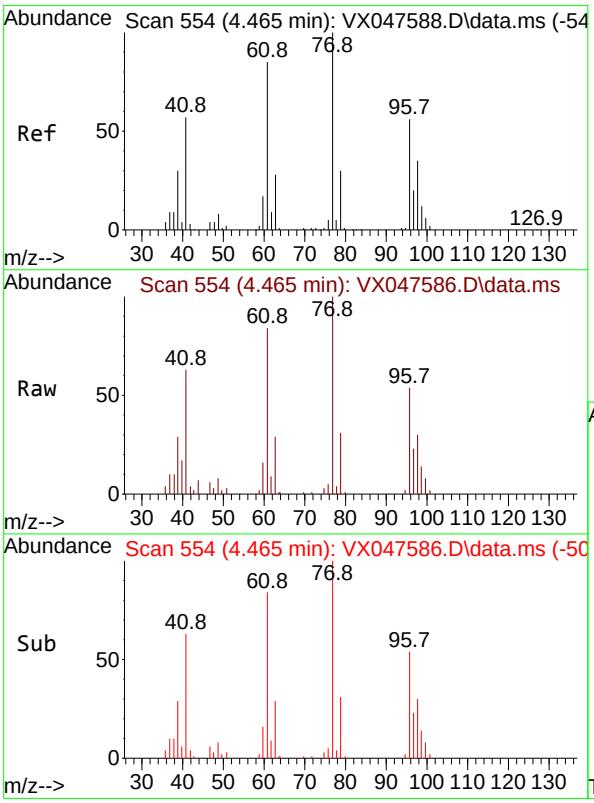
Ion	Ratio	Lower	Upper
43	100		
72	21.3	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

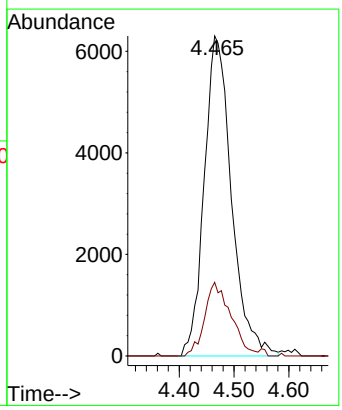


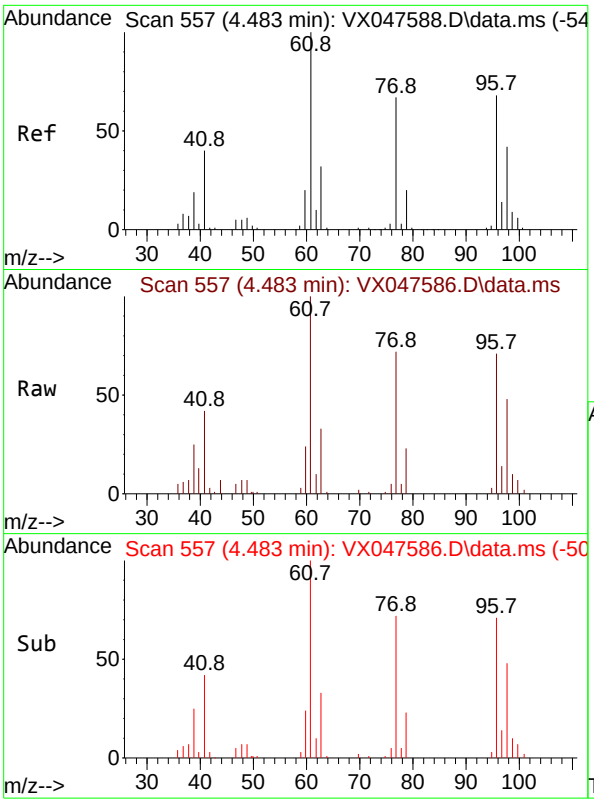


#26
2,2-Dichloropropane
Concen: 5.220 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 77 Resp: 21738

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.9	32.7

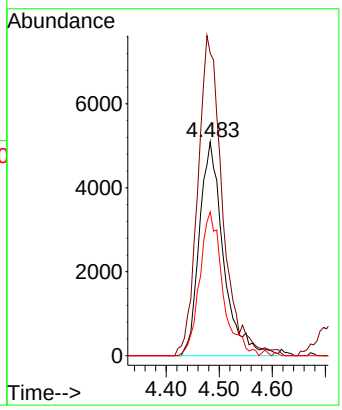




#27
cis-1,2-Dichloroethene
Concen: 5.147 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 96 Resp: 1599

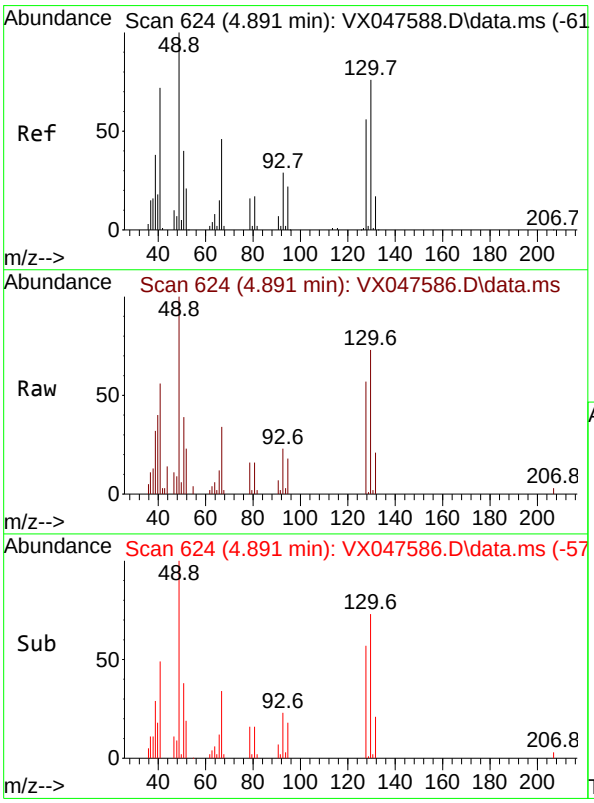
Ion	Ratio	Lower	Upper
96	100		
61	154.4	0.0	303.2
98	64.8	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

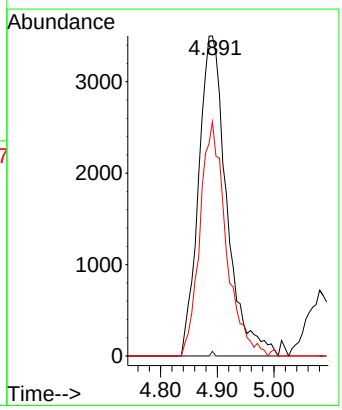
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

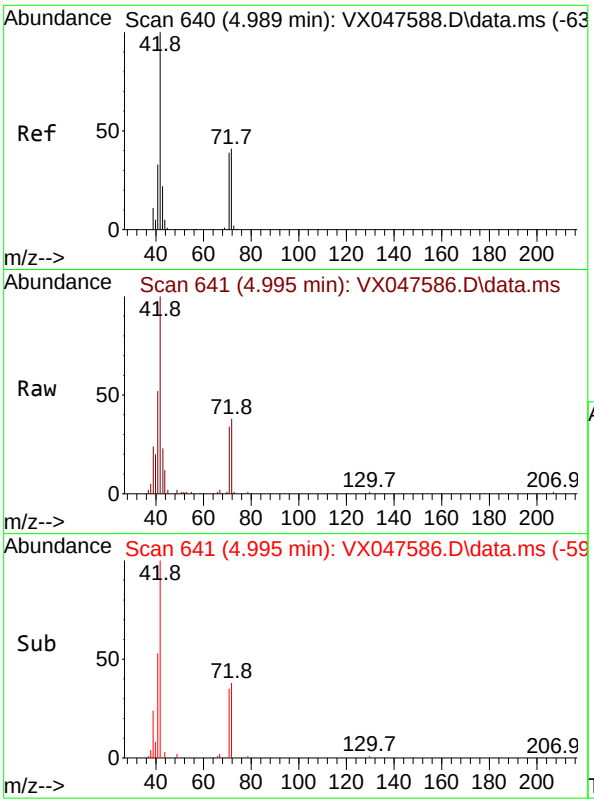


#28
Bromochloromethane
Concen: 5.508 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 49 Resp: 12047

Ion	Ratio	Lower	Upper
49	100		
129	0.2	0.0	3.2
130	68.0	57.8	86.8





#29
Tetrahydrofuran
Concen: 25.944 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

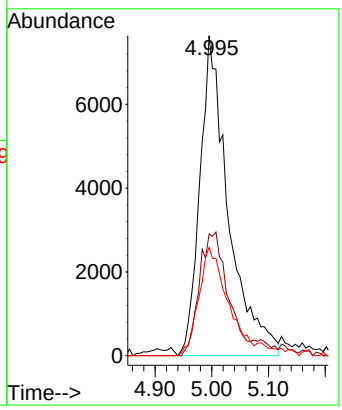
Tgt Ion: 42 Resp: 2672

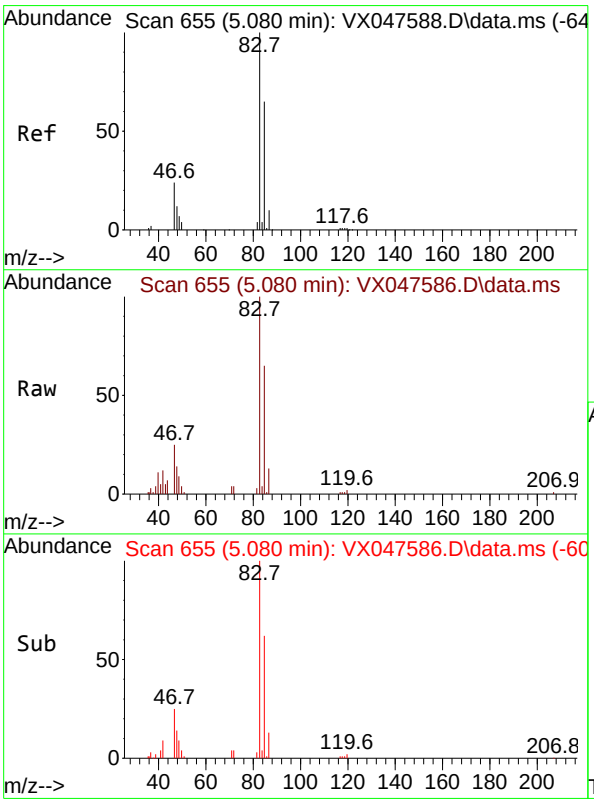
Ion	Ratio	Lower	Upper
42	100		
72	38.7	34.2	51.2
71	34.1	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

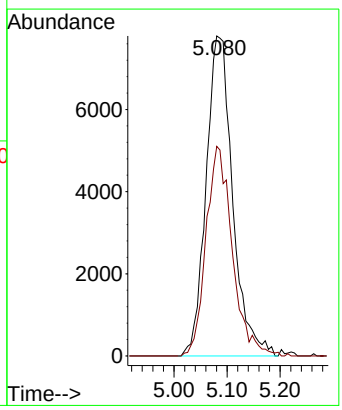


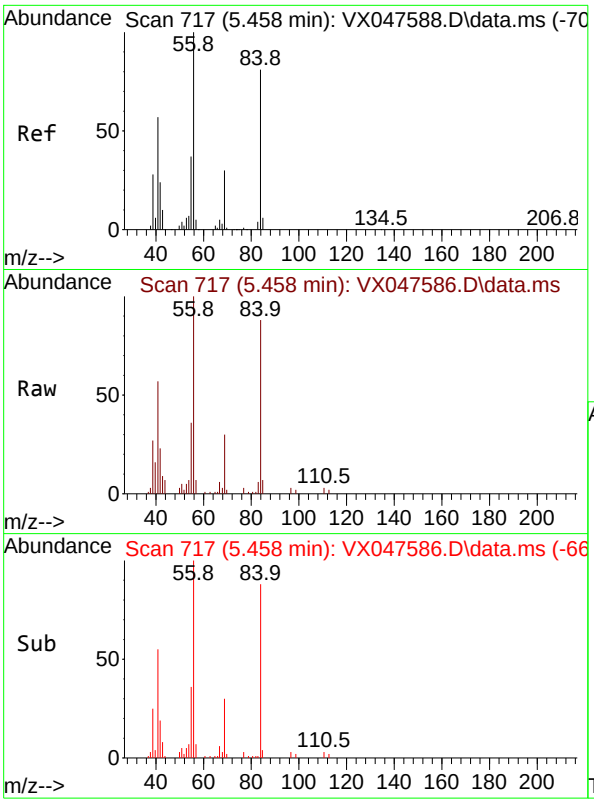


#30
Chloroform
Concen: 5.344 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 83 Resp: 27054

Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.8	77.6





#31
Cyclohexane
Concen: 5.520 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

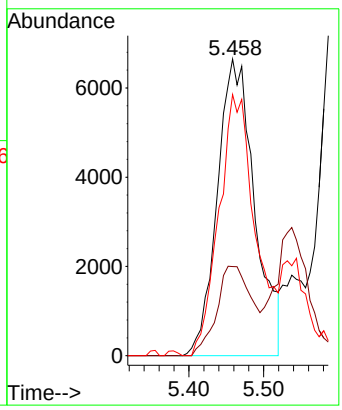
Tgt Ion: 56 Resp: 2303

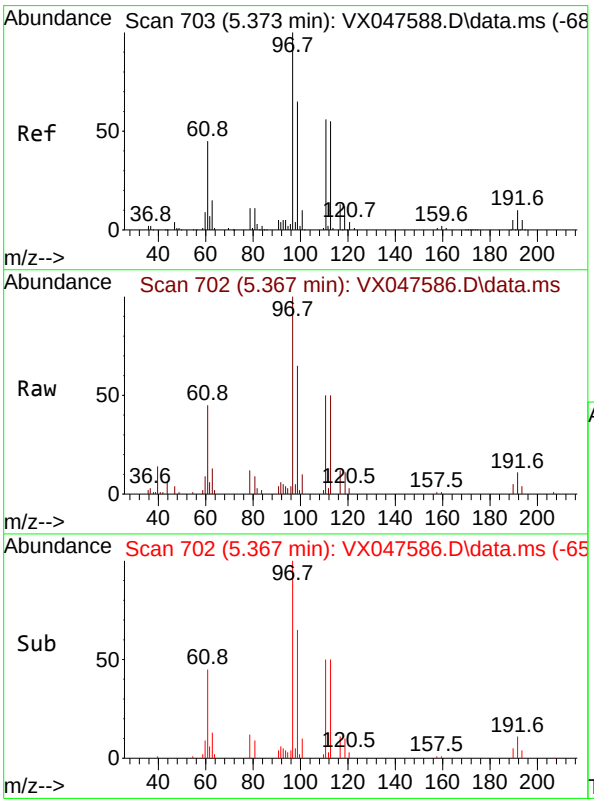
Ion	Ratio	Lower	Upper
56	100		
69	32.2	23.8	35.8
84	87.1	64.6	97.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

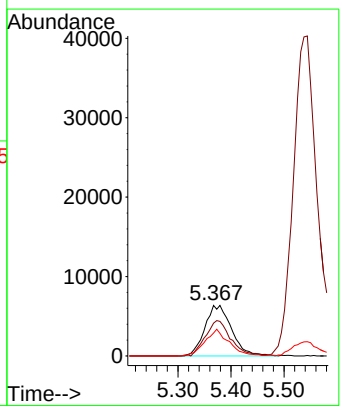


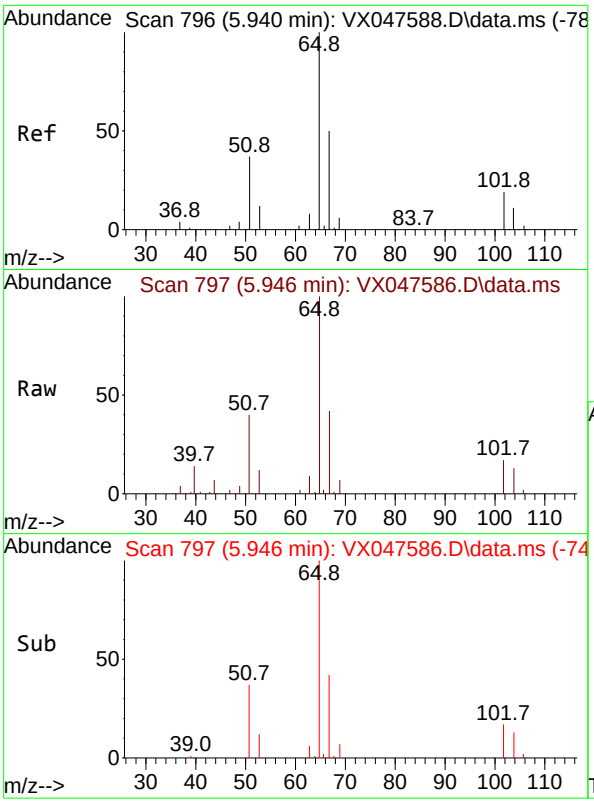


#32
1,1,1-Trichloroethane
Concen: 5.188 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 97 Resp: 22279

Ion	Ratio	Lower	Upper
97	100		
99	66.4	50.6	76.0
61	47.4	35.8	53.8

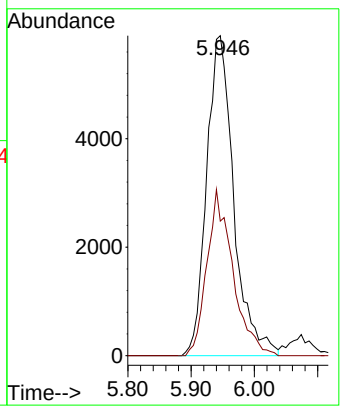




#33
1,2-Dichloroethane-d4
Concen: 5.554 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 65 Resp: 1753

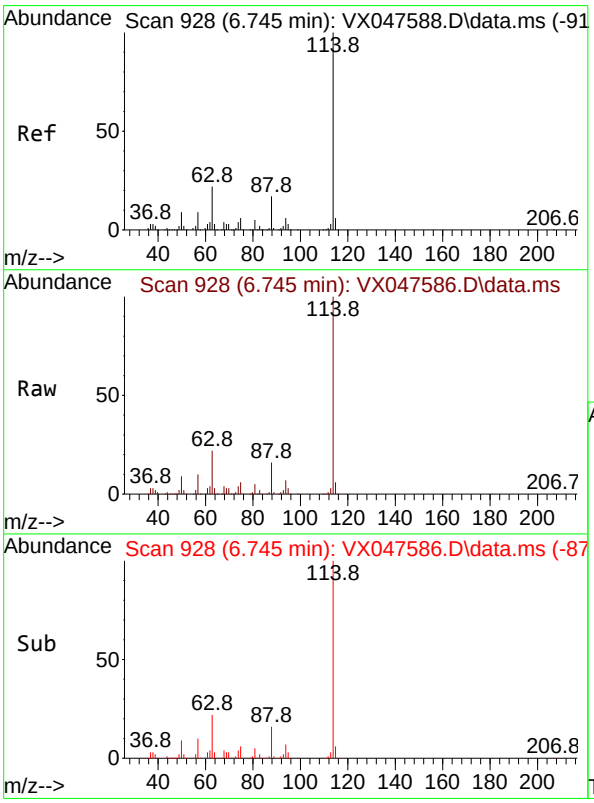
Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

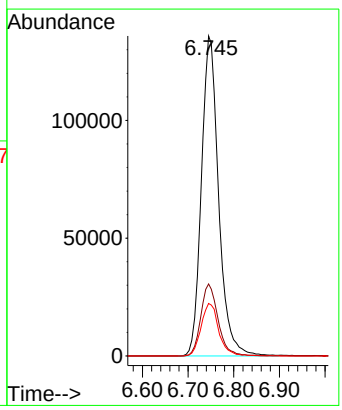
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

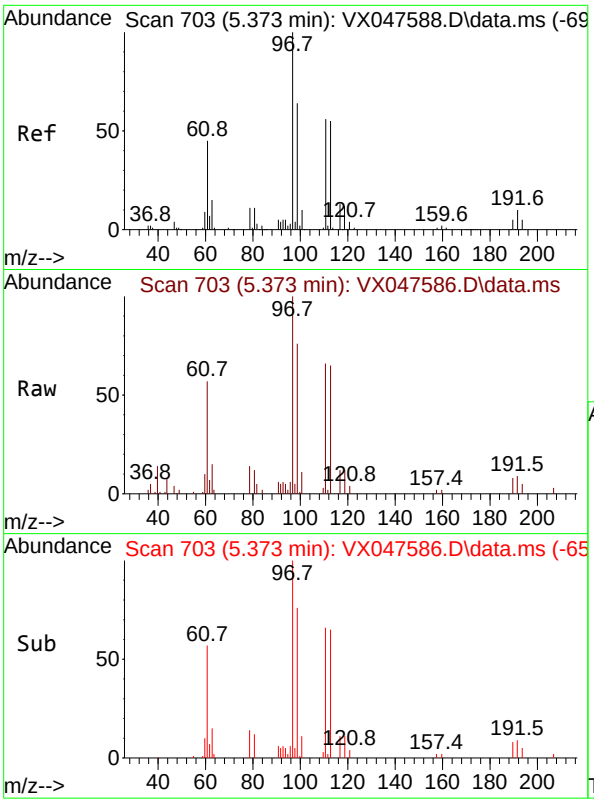


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:114 Resp: 355026

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	44.0
88	16.4	0.0	34.2

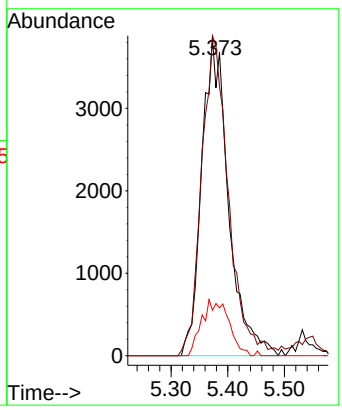




#35
Dibromofluoromethane
Concen: 5.312 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:113 Resp: 1264

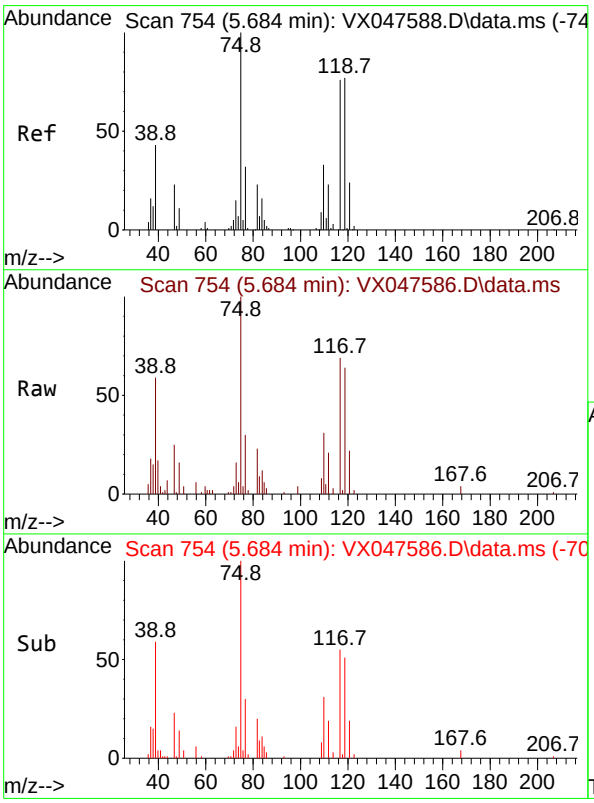
Ion	Ratio	Lower	Upper
113	100		
111	100.5	80.9	121.3
192	17.8	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

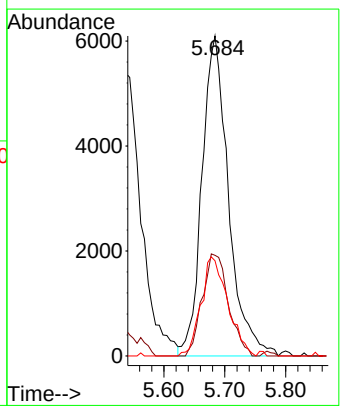
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

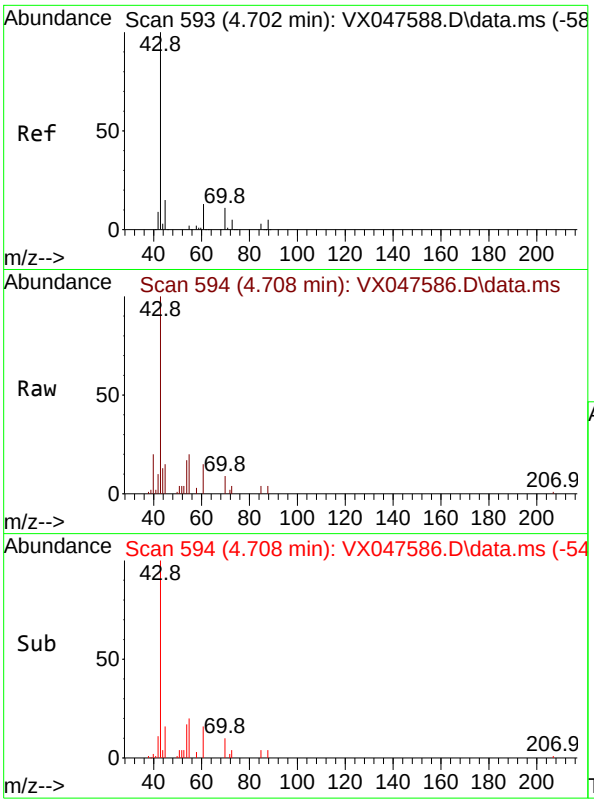


#36
1,1-Dichloropropene
Concen: 5.304 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 18455

Ion	Ratio	Lower	Upper
75	100		
110	31.4	16.7	50.1
77	31.0	24.3	36.5





#37
Ethyl Acetate
Concen: 5.345 ug/l
RT: 4.708 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

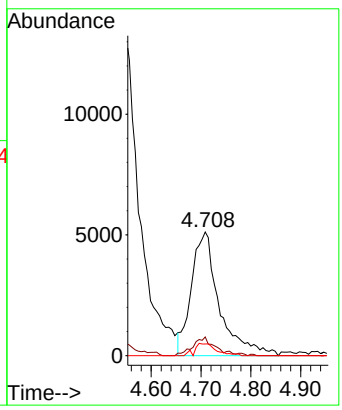
Tgt Ion: 43 Resp: 1991

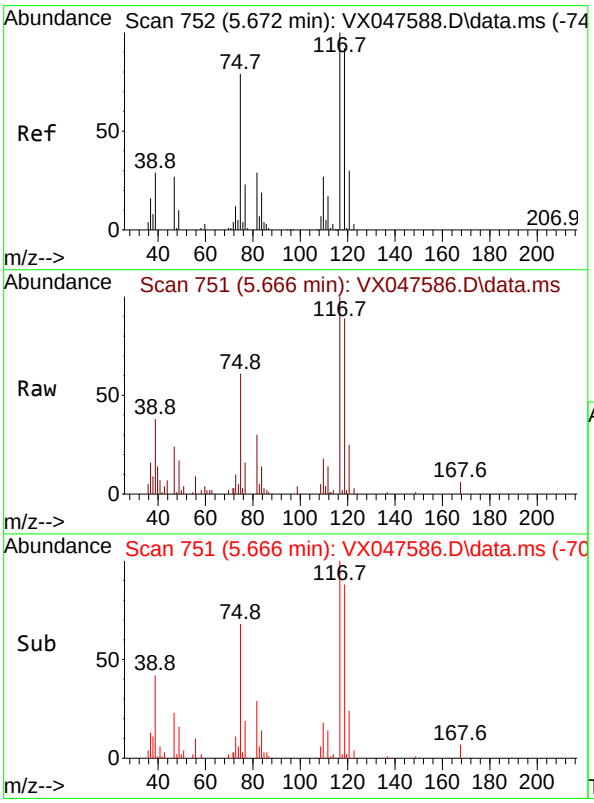
Ion	Ratio	Lower	Upper
43	100		
61	11.9	9.8	14.8
70	7.6	7.9	11.9#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

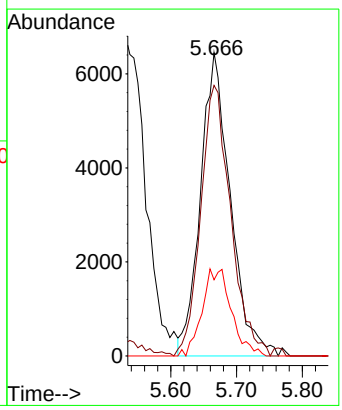


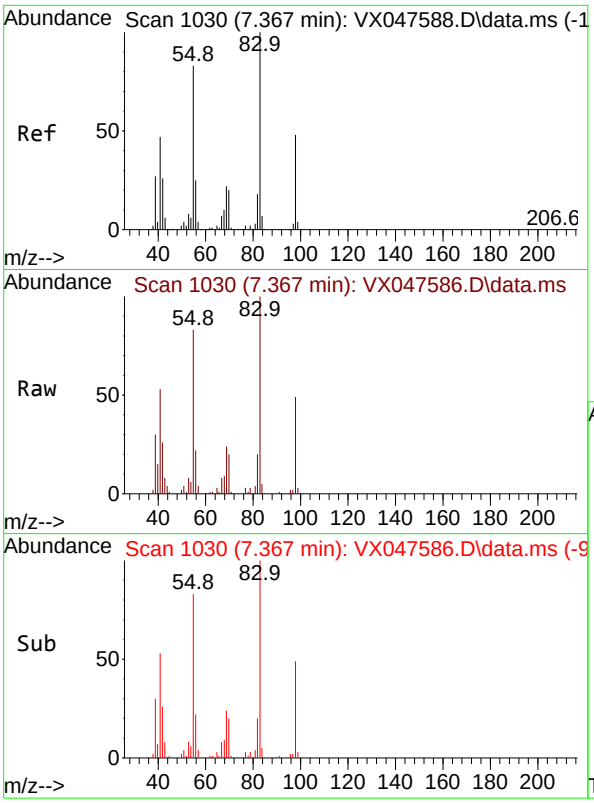


#38
Carbon Tetrachloride
Concen: 5.390 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:117 Resp: 20376

Ion	Ratio	Lower	Upper
117	100		
119	88.9	73.4	110.2
121	25.1	23.8	35.6





#39
Methylcyclohexane
Concen: 5.292 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

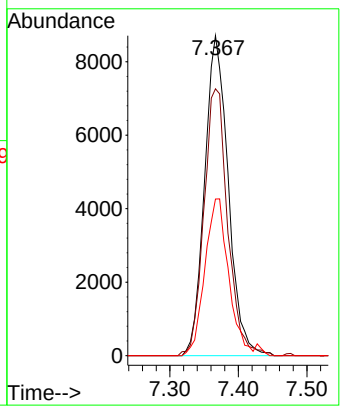
Tgt Ion: 83 Resp: 2090

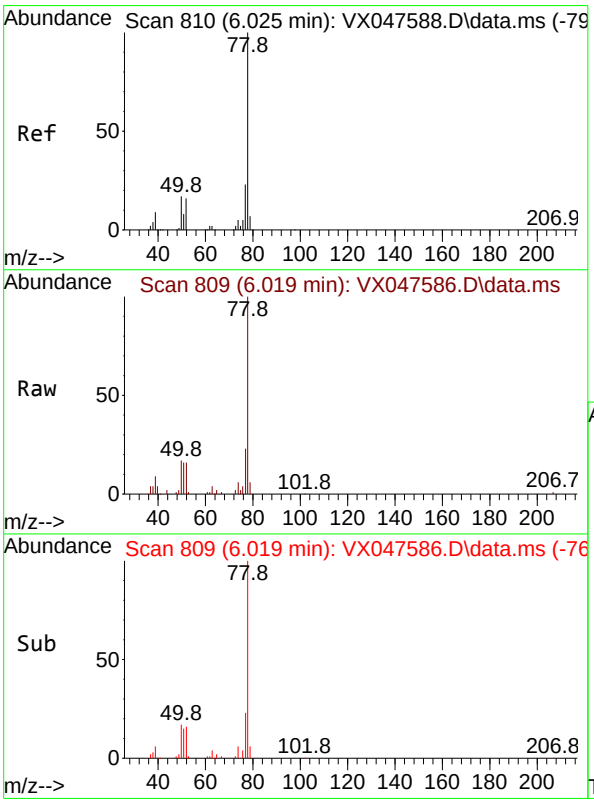
Ion	Ratio	Lower	Upper
83	100		
55	79.1	66.4	99.6
98	46.4	38.1	57.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

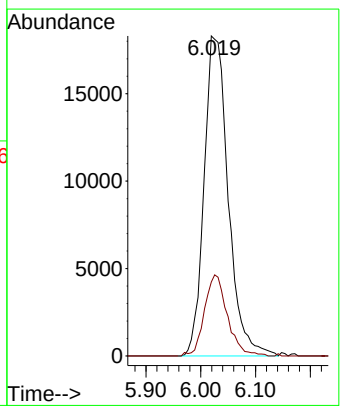


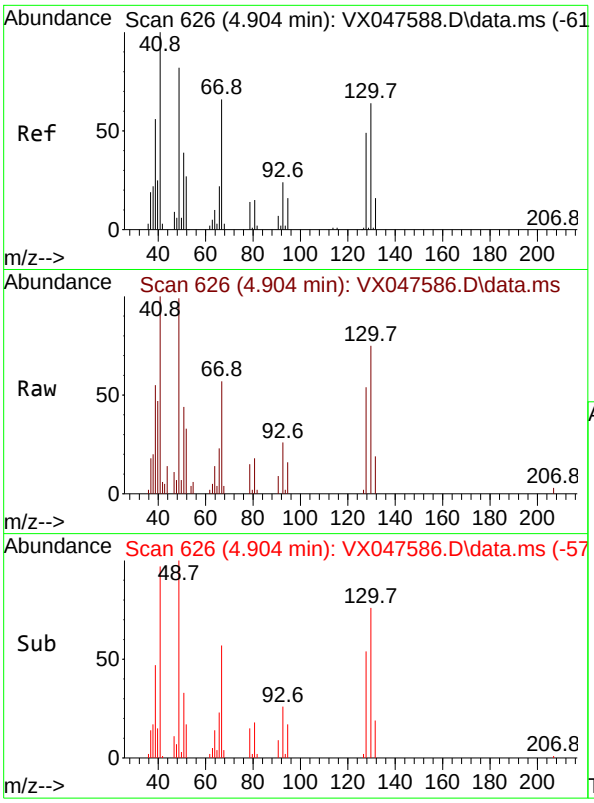


#40
Benzene
Concen: 5.299 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 78 Resp: 55996

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2

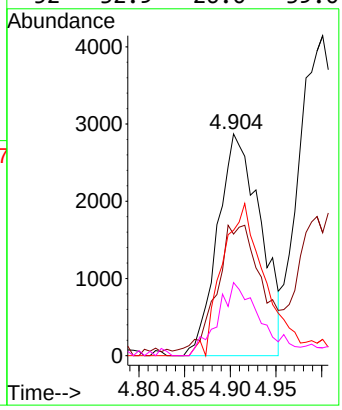




#41
Methacrylonitrile
Concen: 4.883 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 41 Resp: 939

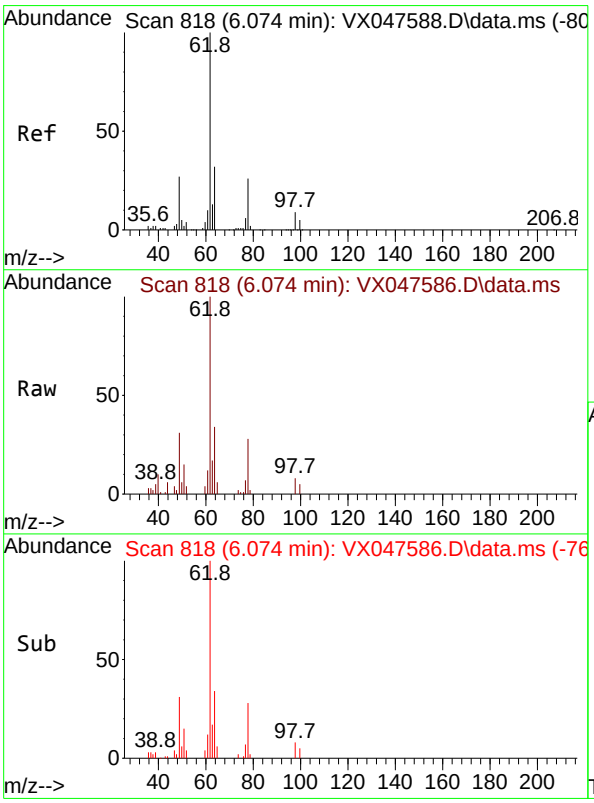
Ion	Ratio	Lower	Upper
41	100		
39	58.3	43.3	64.9
67	68.7	58.6	87.8
52	32.9	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

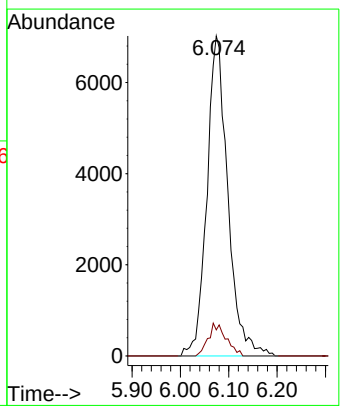
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

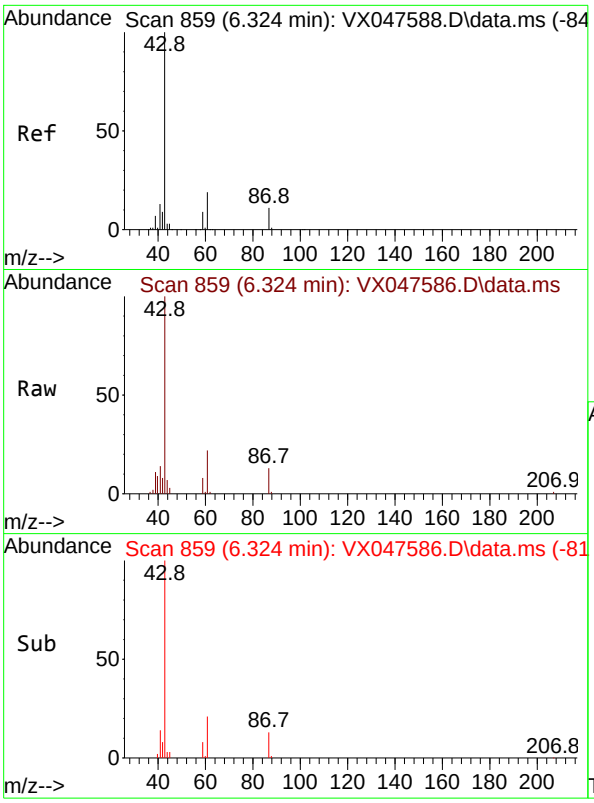


#42
1,2-Dichloroethane
Concen: 5.252 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 62 Resp: 21117

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0

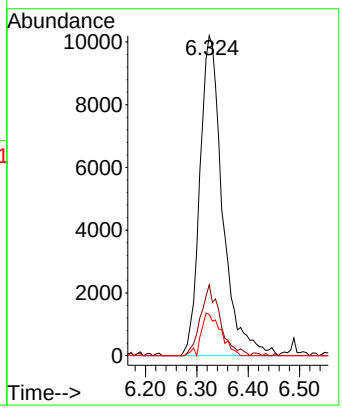




#43
Isopropyl Acetate
Concen: 5.124 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 3130

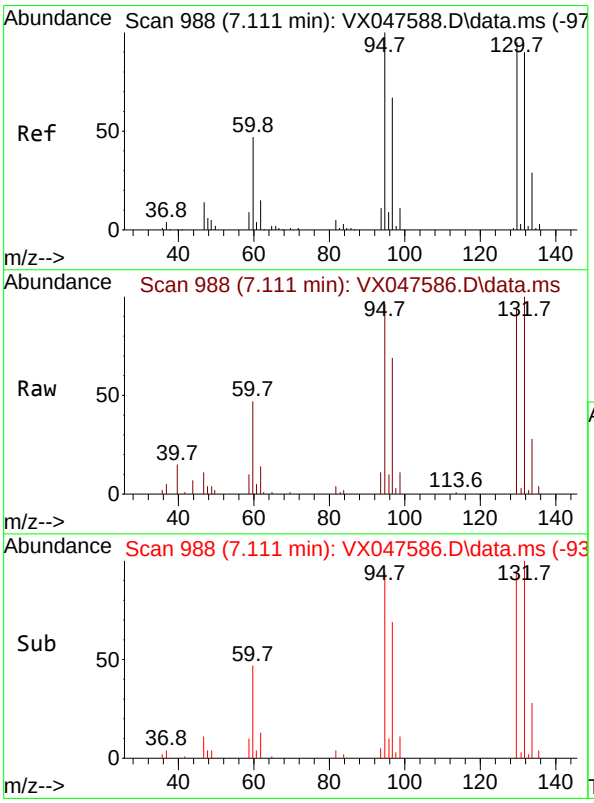
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.2	22.8
87	11.6	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

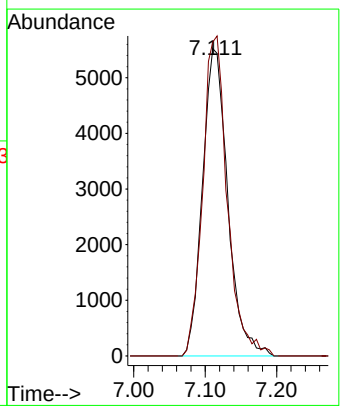
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

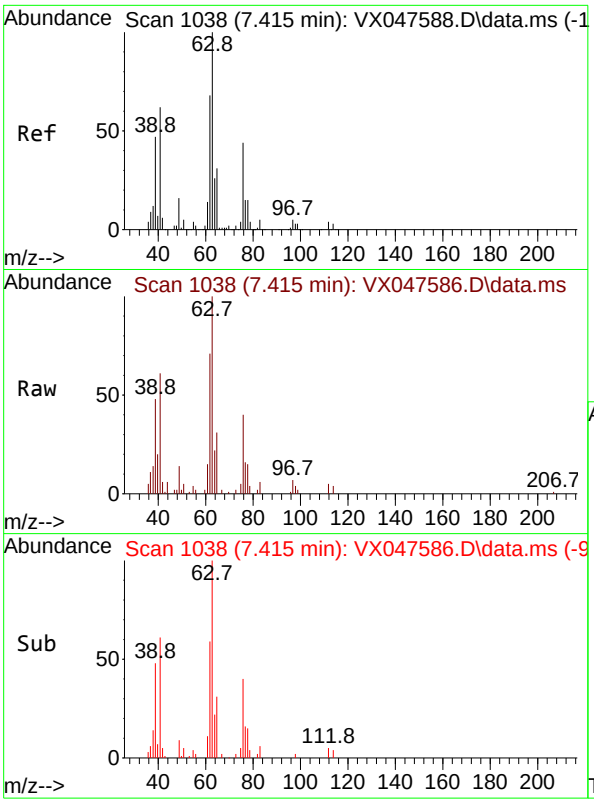


#44
Trichloroethene
Concen: 5.314 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:130 Resp: 13576

Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	210.8





#45
1,2-Dichloropropane
Concen: 5.287 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

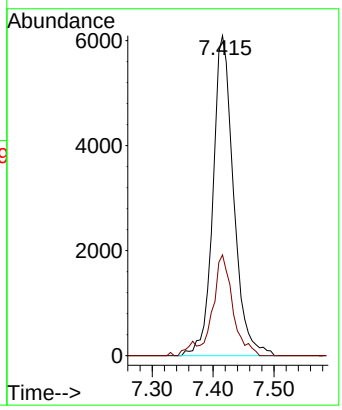
Tgt Ion: 63 Resp: 1430

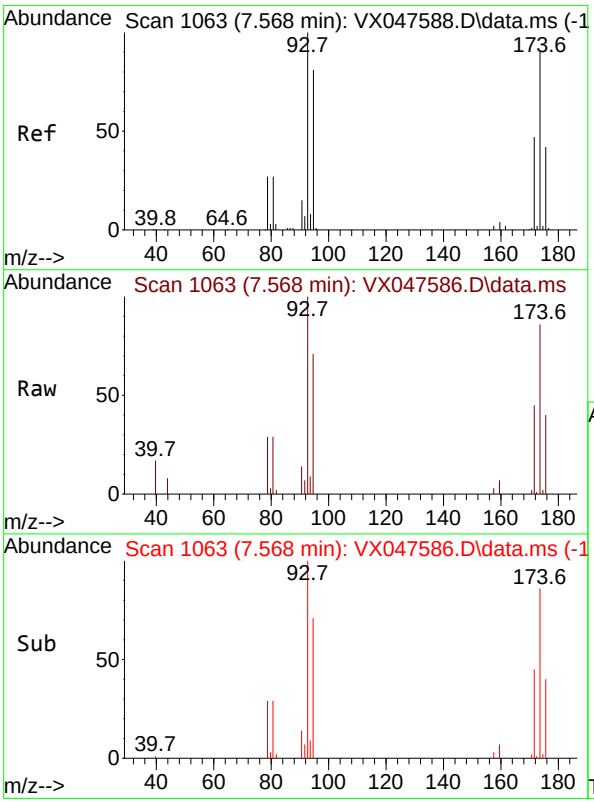
Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

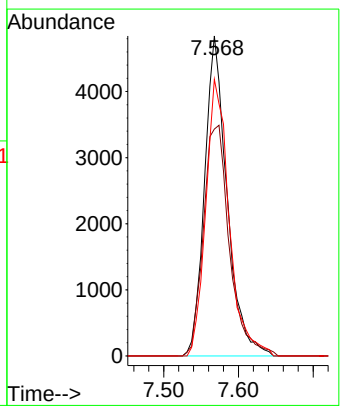


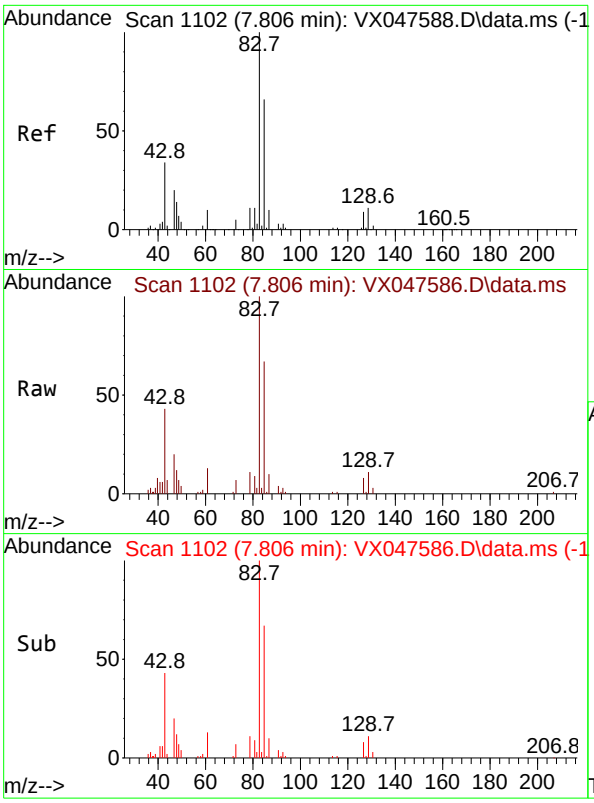


#46
Dibromomethane
Concen: 5.146 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 93 Resp: 10133

Ion	Ratio	Lower	Upper
93	100		
95	83.5	65.0	97.6
174	90.0	71.6	107.4

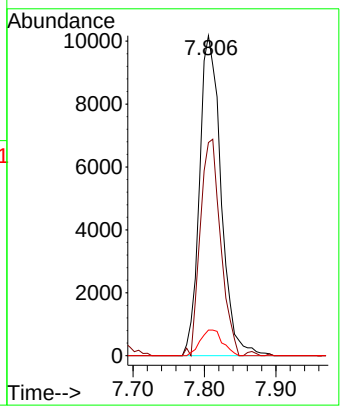




#47
Bromodichloromethane
Concen: 5.235 ug/l
RT: 7.806 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 83 Resp: 2127

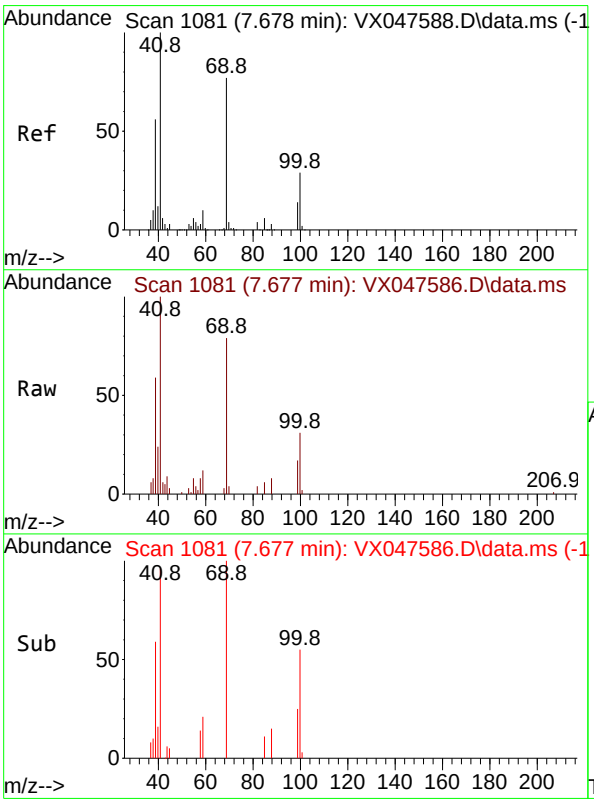
Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.5	78.7
127	7.8	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

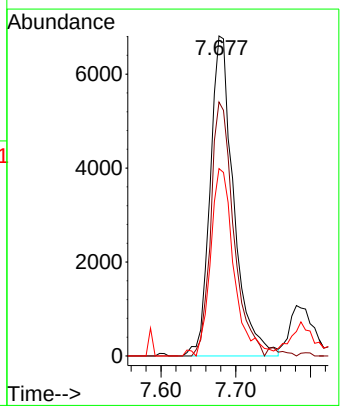
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

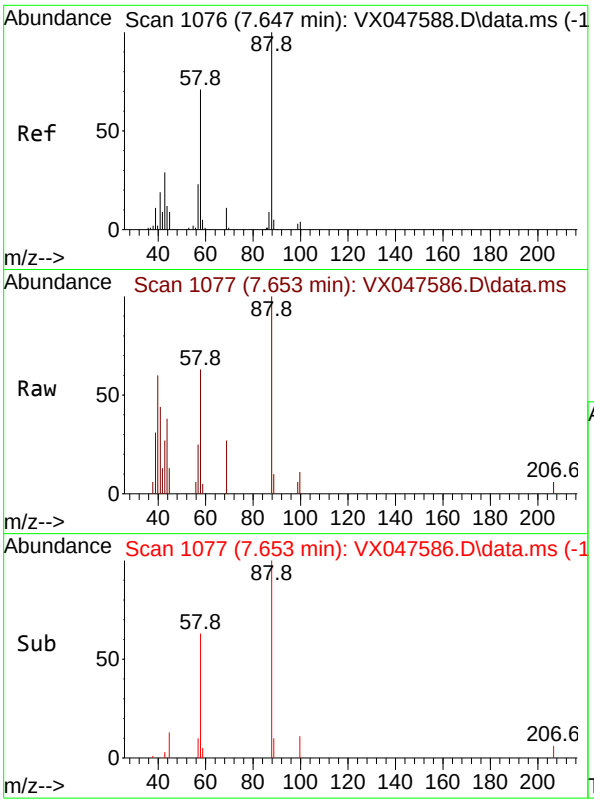


#48
Methyl methacrylate
Concen: 4.915 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 41 Resp: 14959

Ion	Ratio	Lower	Upper
41	100		
69	76.4	61.4	92.2
39	58.2	45.8	68.6

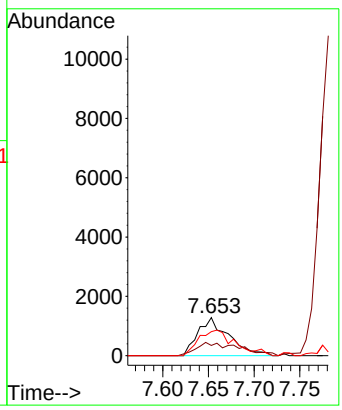




#49
1,4-Dioxane
Concen: 98.096 ug/l
RT: 7.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 88 Resp: 301

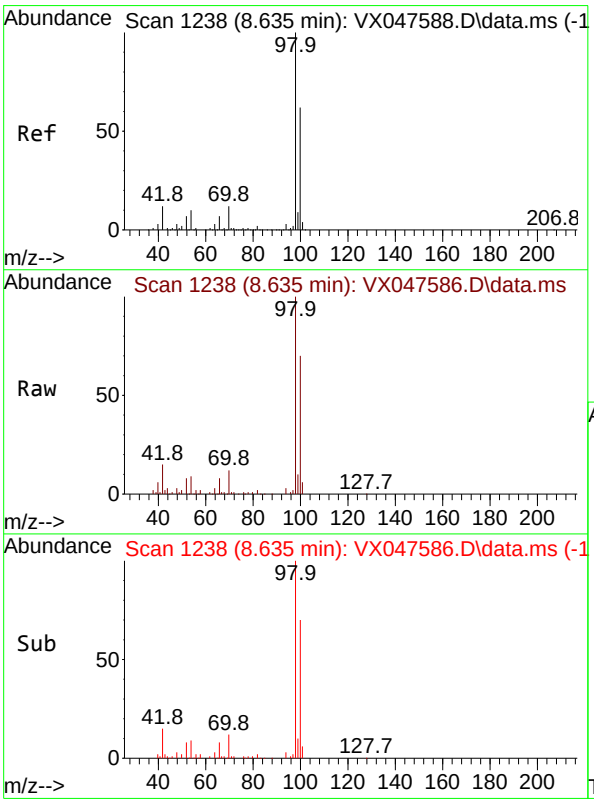
Ion	Ratio	Lower	Upper
88	100		
43	48.3	30.2	45.2
58	79.1	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

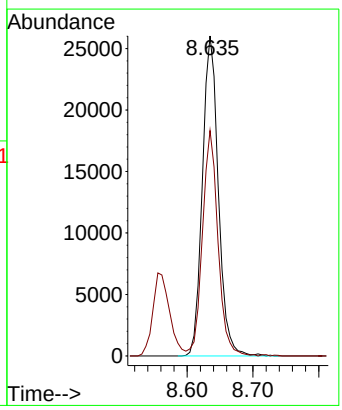
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

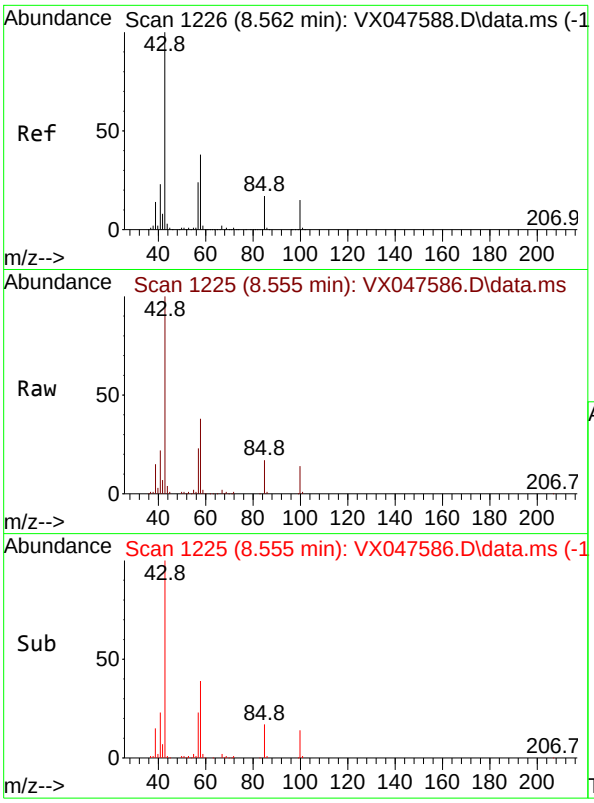


#50
Toluene-d8
Concen: 5.332 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 98 Resp: 43926

Ion	Ratio	Lower	Upper
98	100		
100	68.4	53.0	79.4

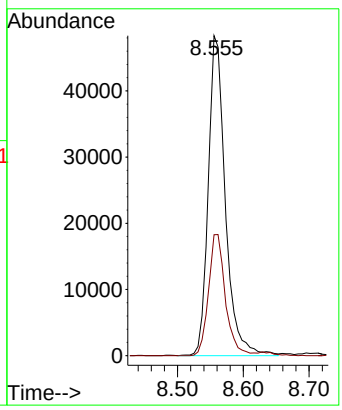




#51
4-Methyl-2-Pentanone
Concen: 25.828 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 8749

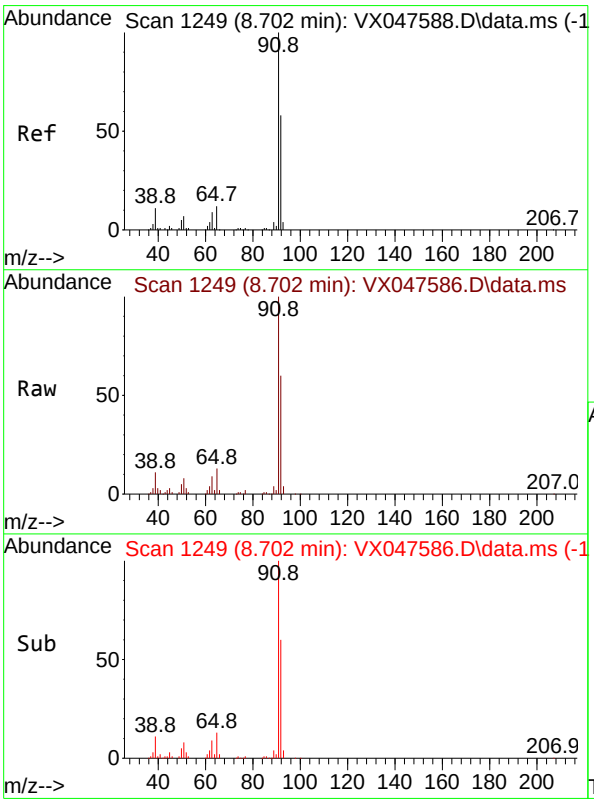
Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

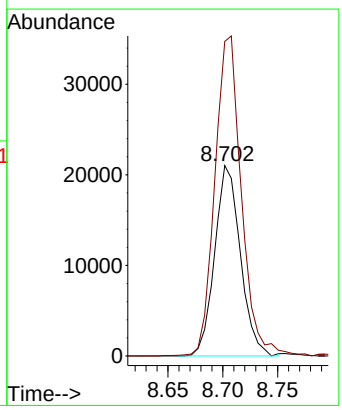
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

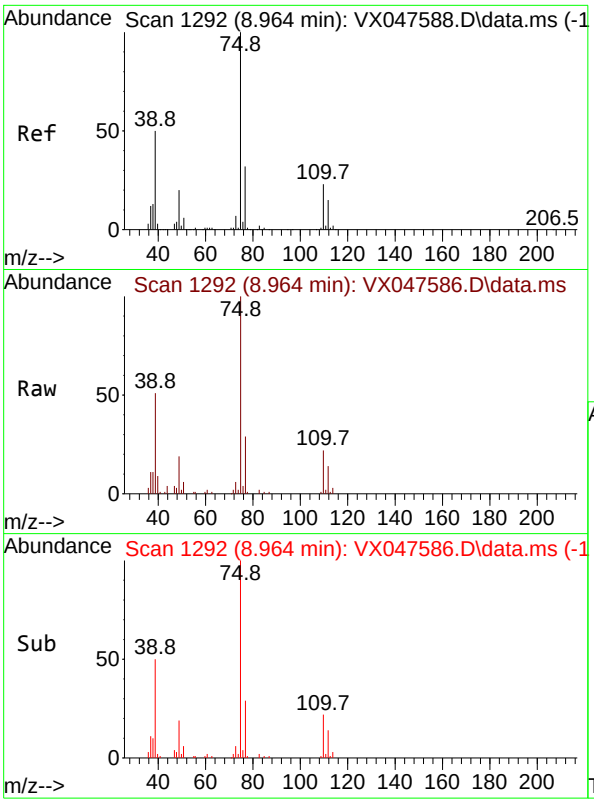


#52
Toluene
Concen: 5.271 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 92 Resp: 34314

Ion	Ratio	Lower	Upper
92	100		
91	173.8	137.1	205.7

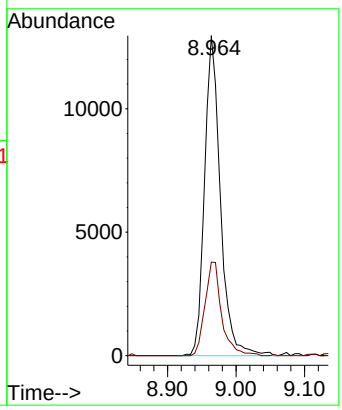




#53
t-1,3-Dichloropropene
Concen: 5.034 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 2086

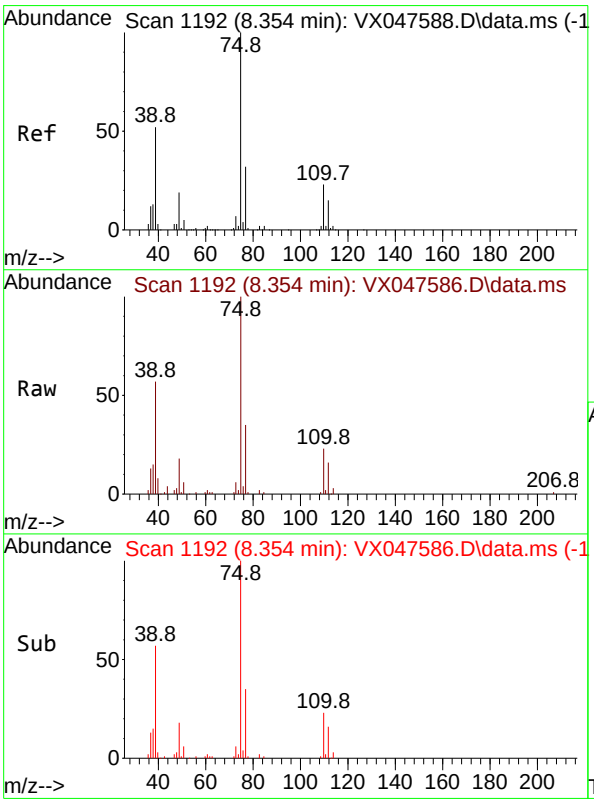
Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

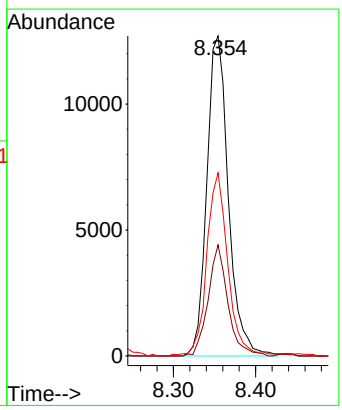
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

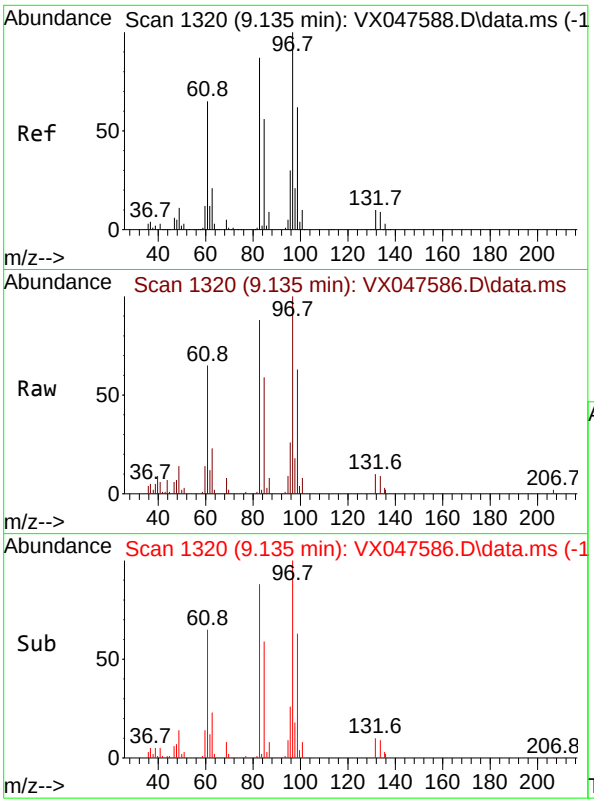


#54
cis-1,3-Dichloropropene
Concen: 5.227 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 23157

Ion	Ratio	Lower	Upper
75	100		
77	34.7	25.8	38.6
39	51.7	41.4	62.2

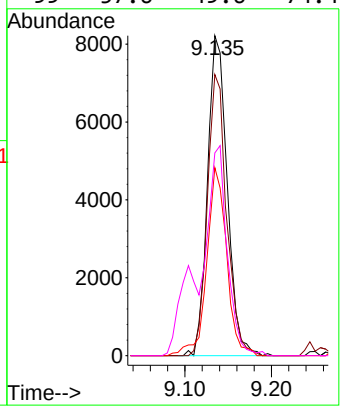




#55
1,1,2-Trichloroethane
Concen: 5.166 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 97 Resp: 1296

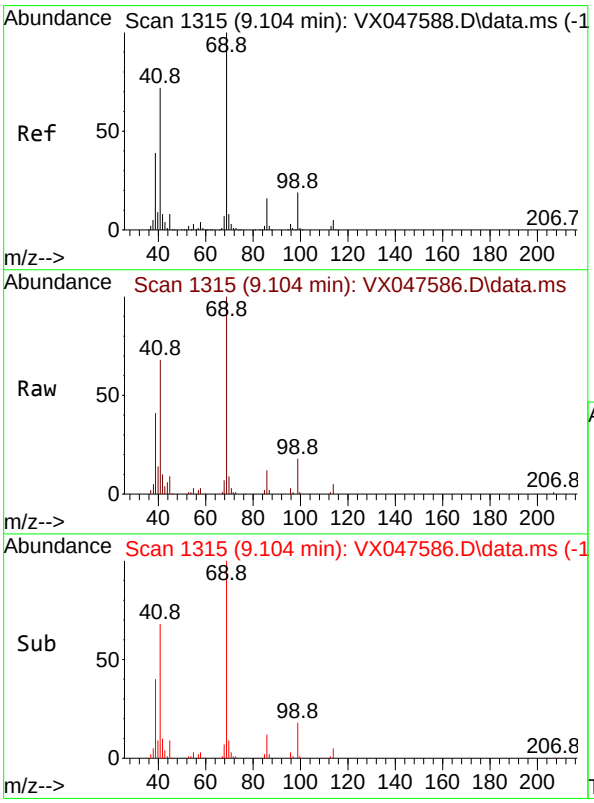
Ion	Ratio	Lower	Upper
97	100		
83	76.7	69.6	104.4
85	49.9	45.0	67.6
99	57.6	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

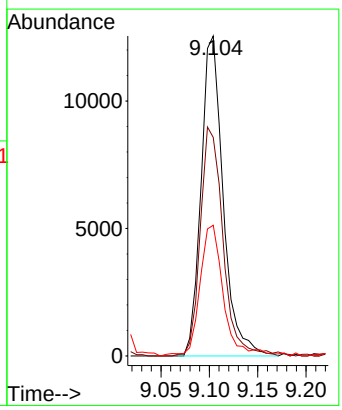
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

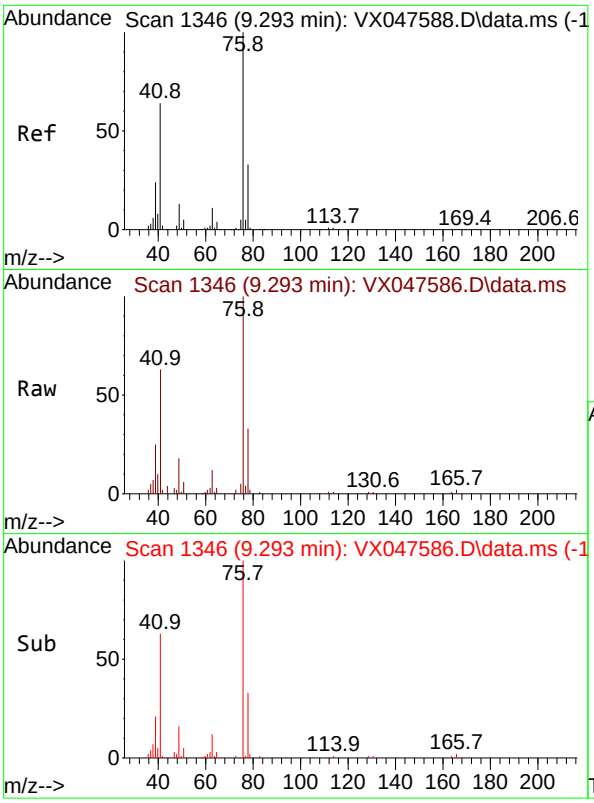


#56
Ethyl methacrylate
Concen: 5.068 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 69 Resp: 19980

Ion	Ratio	Lower	Upper
69	100		
41	73.9	58.6	87.8
39	43.7	31.5	47.3





#57
1,3-Dichloropropane
Concen: 5.331 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

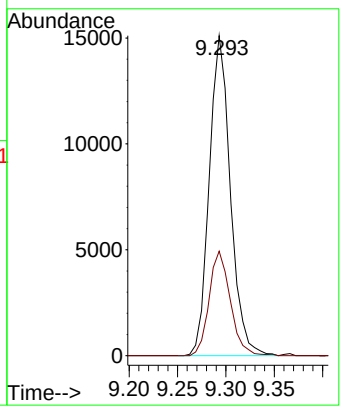
Tgt Ion: 76 Resp: 2298

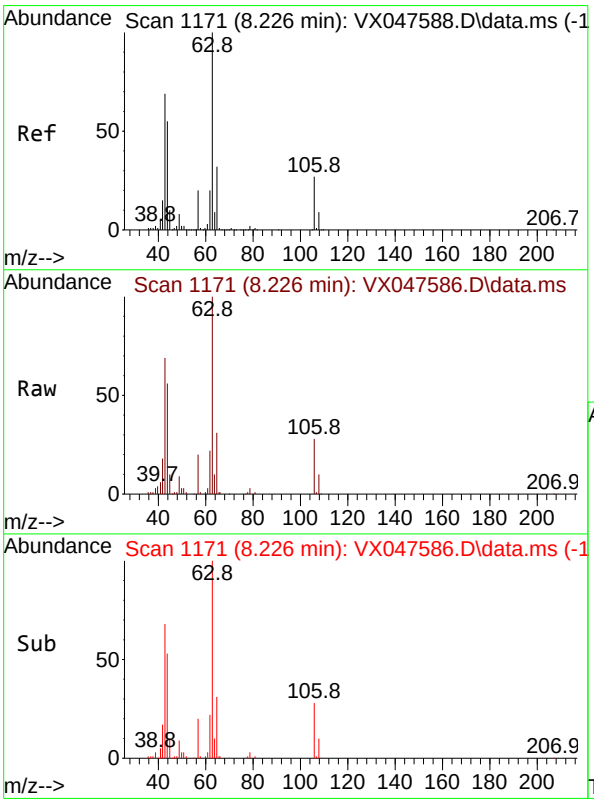
Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.2	39.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

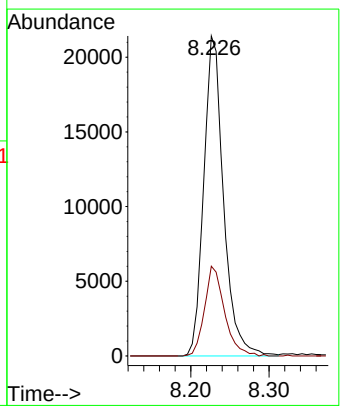


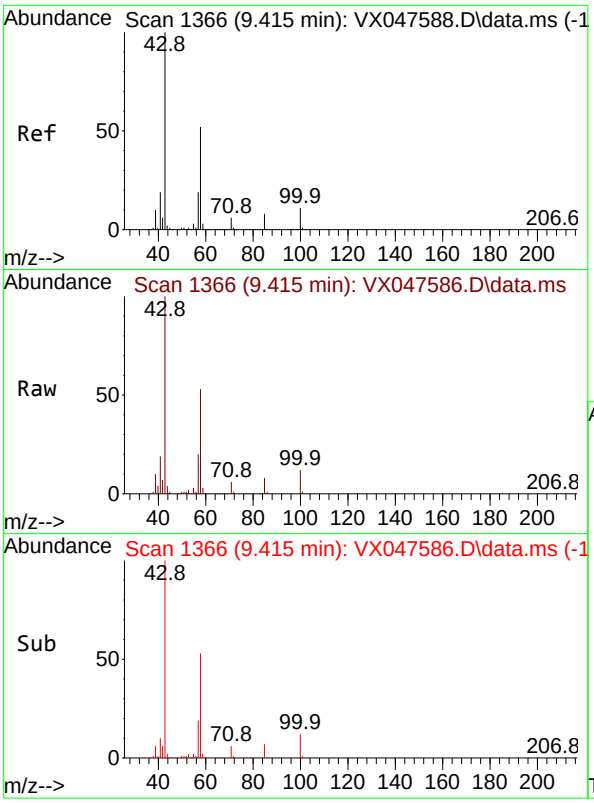


#58
2-Chloroethyl Vinyl ether
Concen: 27.899 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 63 Resp: 37585

Ion	Ratio	Lower	Upper
63	100		
106	28.3	21.9	32.9





#59
2-Hexanone
Concen: 27.275 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

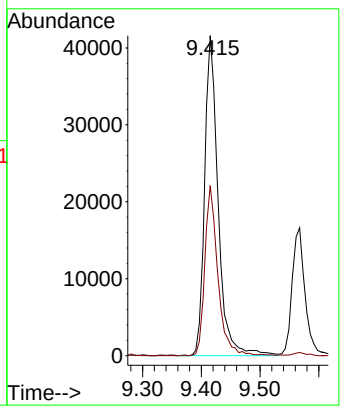
Tgt Ion: 43 Resp: 6635

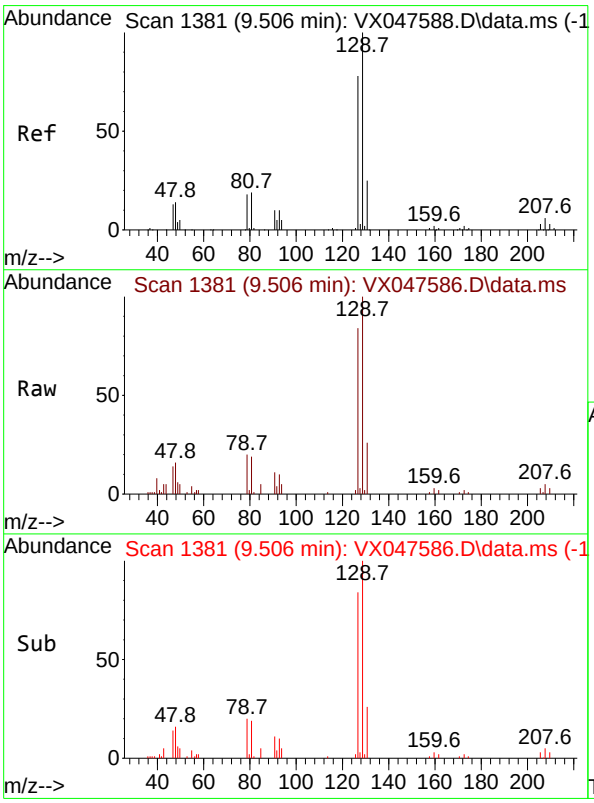
Ion	Ratio	Lower	Upper
43	100		
58	51.1	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

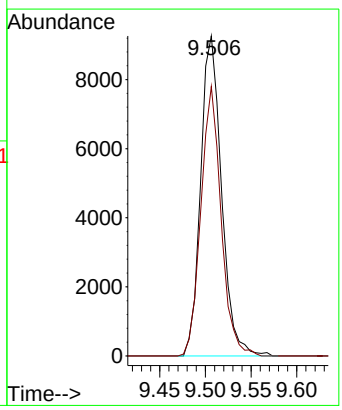


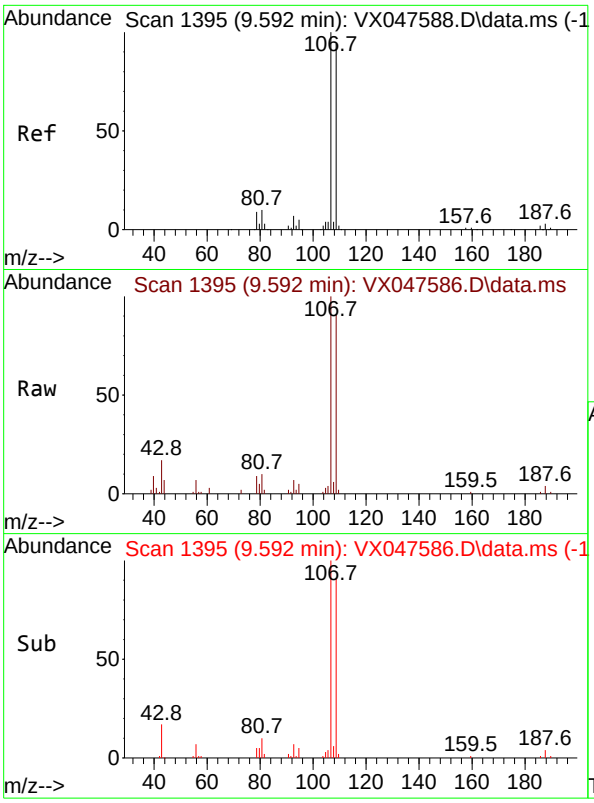


#60
Dibromochloromethane
Concen: 5.084 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:129 Resp: 14705

Ion	Ratio	Lower	Upper
129	100		
127	81.4	38.4	115.2





#61
1,2-Dibromoethane
Concen: 5.264 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

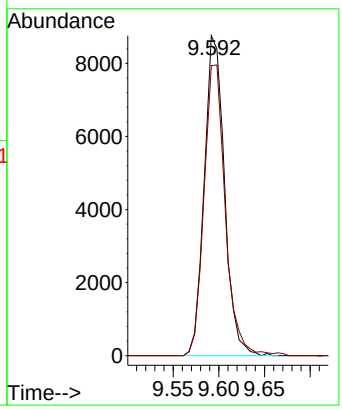
Tgt Ion:107 Resp: 1346

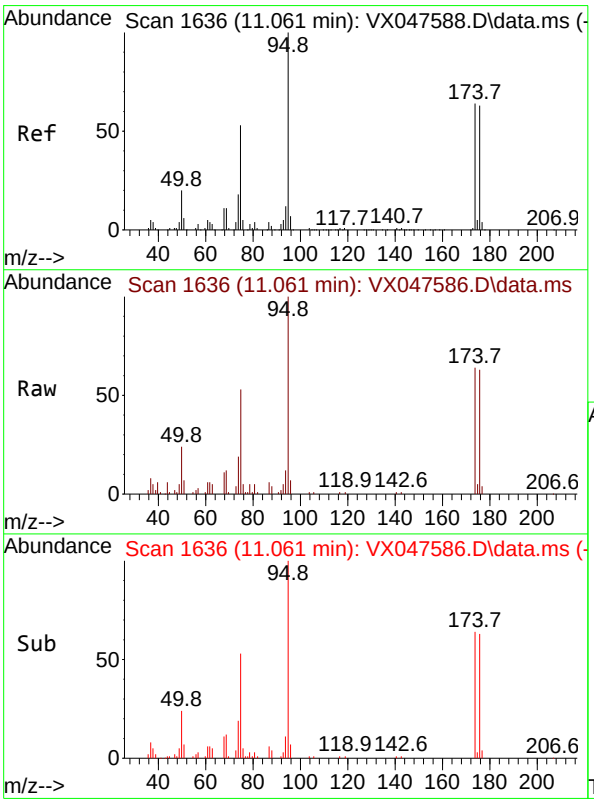
Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.3	112.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

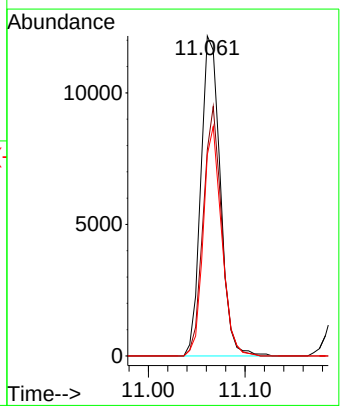


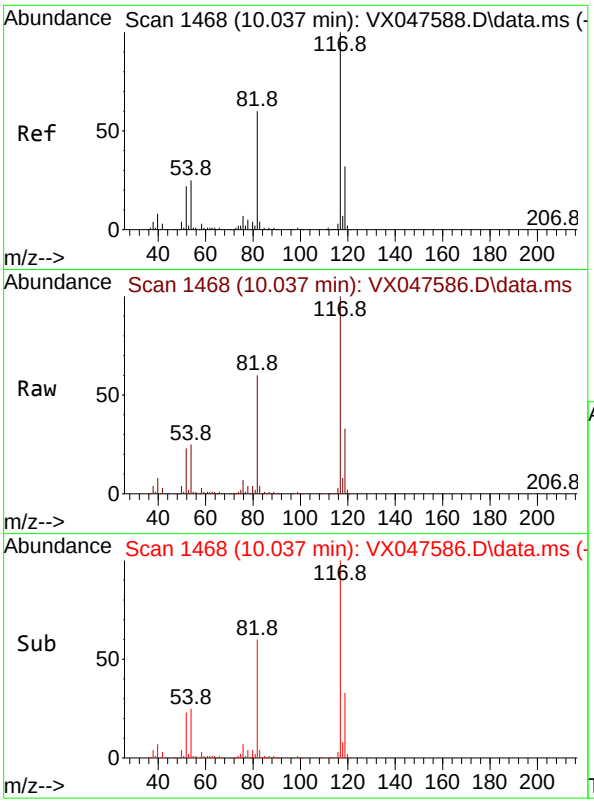


#62
4-Bromofluorobenzene
Concen: 5.429 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 95 Resp: 16974

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	141.6
176	67.9	0.0	138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

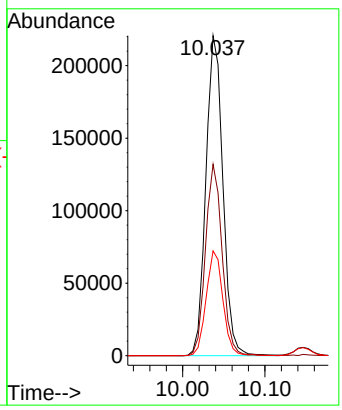
Tgt Ion:117 Resp: 31728

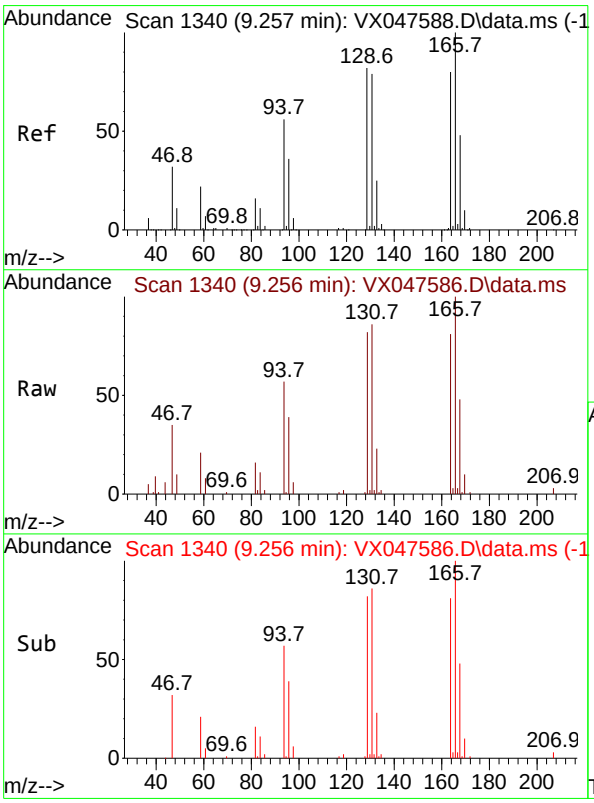
Ion	Ratio	Lower	Upper
117	100		
82	59.8	47.8	71.6
119	32.8	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

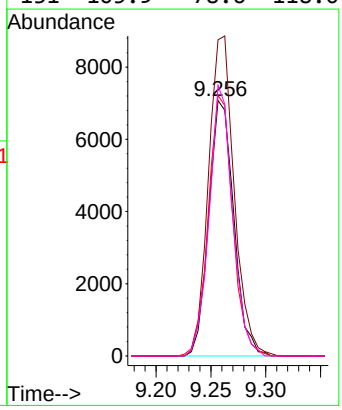


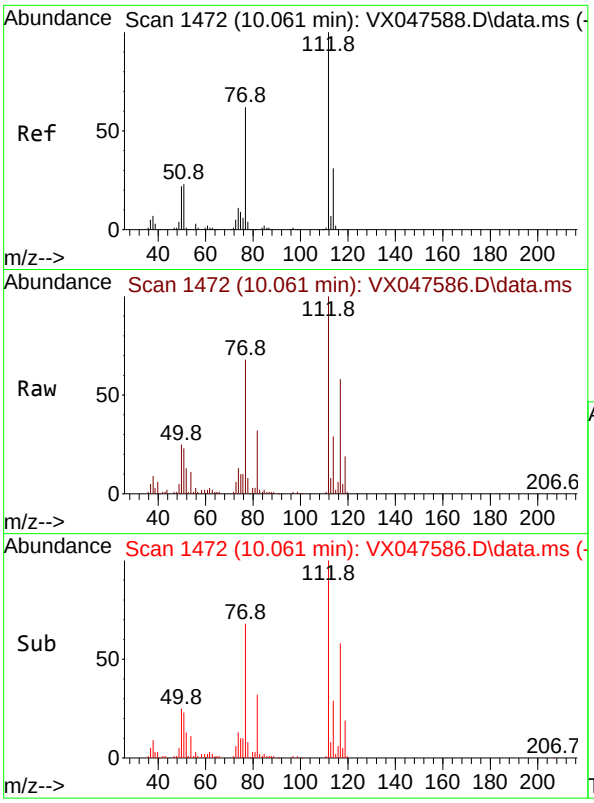


#64
Tetrachloroethene
Concen: 5.428 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:164 Resp: 11228

Ion	Ratio	Lower	Upper
164	100		
166	123.8	100.2	150.2
129	102.0	81.8	122.6
131	105.9	78.6	118.0

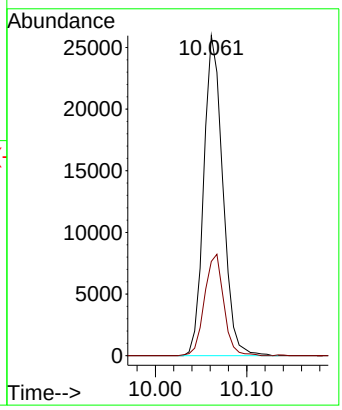




#65
Chlorobenzene
Concen: 5.203 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:112 Resp: 3750

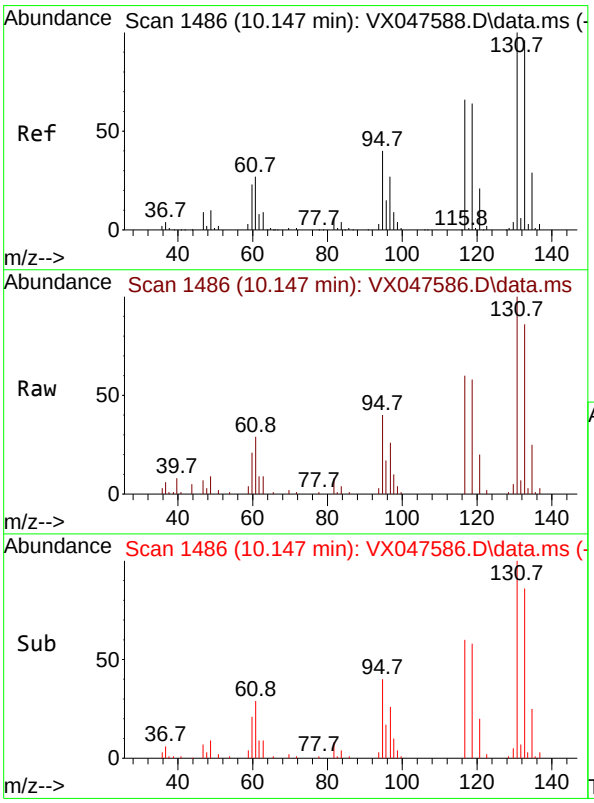
Ion	Ratio	Lower	Upper
112	100		
114	29.2	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

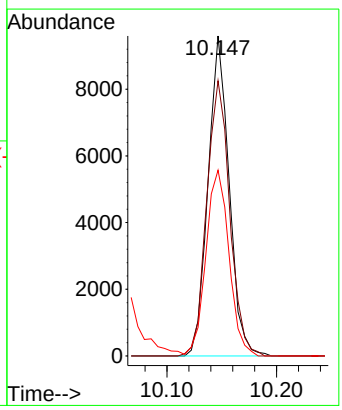
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

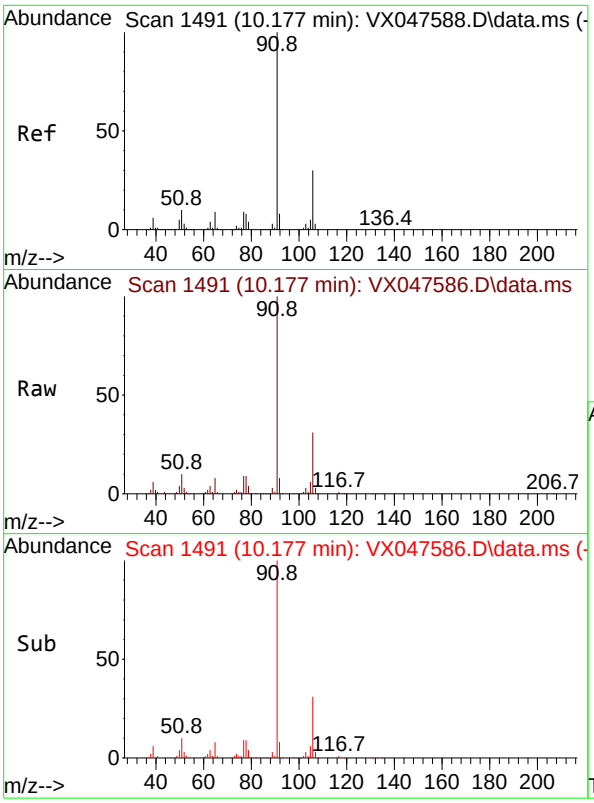


#66
1,1,1,2-Tetrachloroethane
Concen: 5.149 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:131 Resp: 12807

Ion	Ratio	Lower	Upper
131	100		
133	94.0	47.3	142.0
119	63.5	32.0	96.0

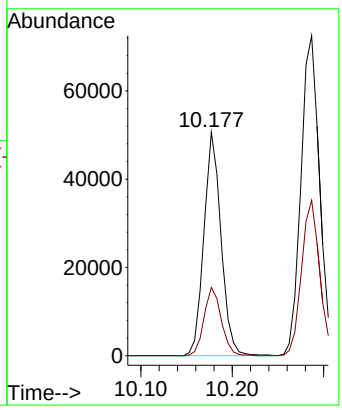




#67
Ethyl Benzene
Concen: 5.299 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 6590

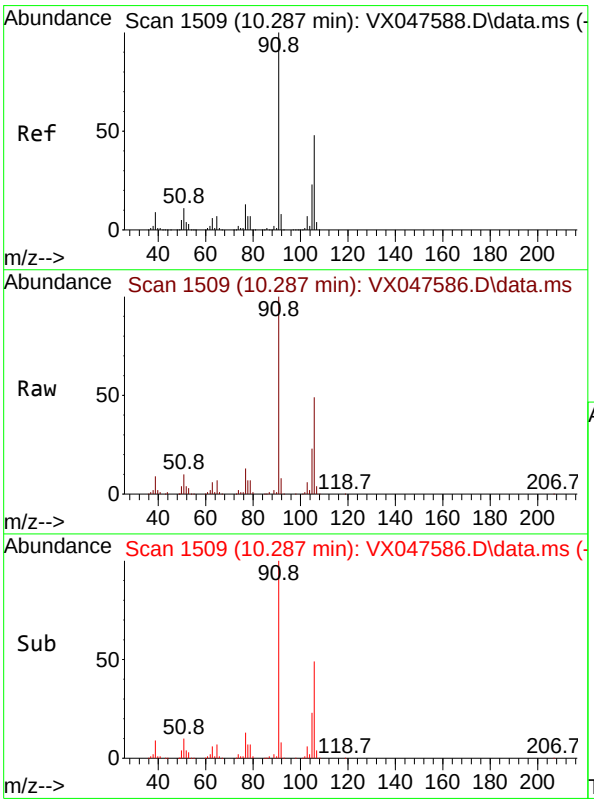
Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

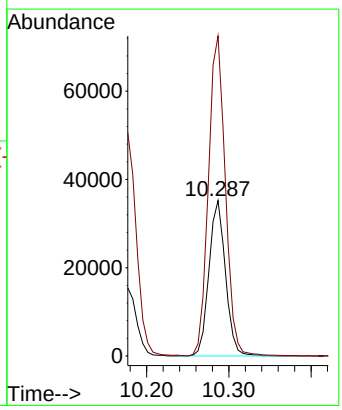
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

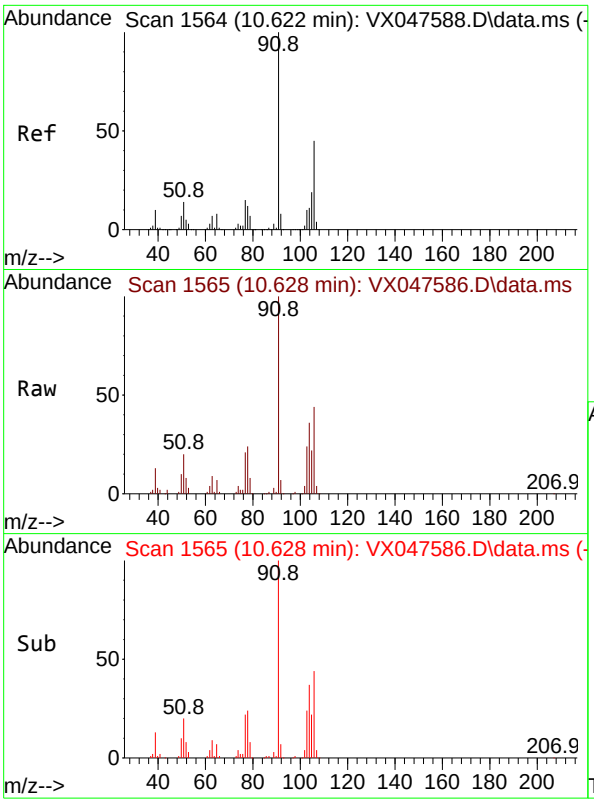


#68
m/p-Xylenes
Concen: 10.613 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:106 Resp: 49132

Ion	Ratio	Lower	Upper
106	100		
91	211.6	167.8	251.8





#69
o-Xylene
Concen: 5.204 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

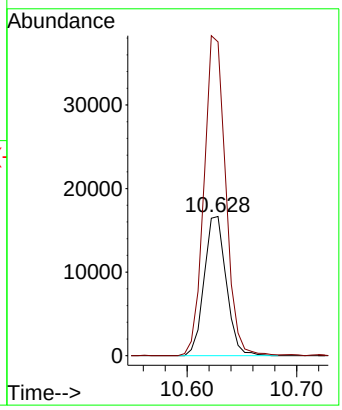
Tgt Ion:106 Resp: 2330

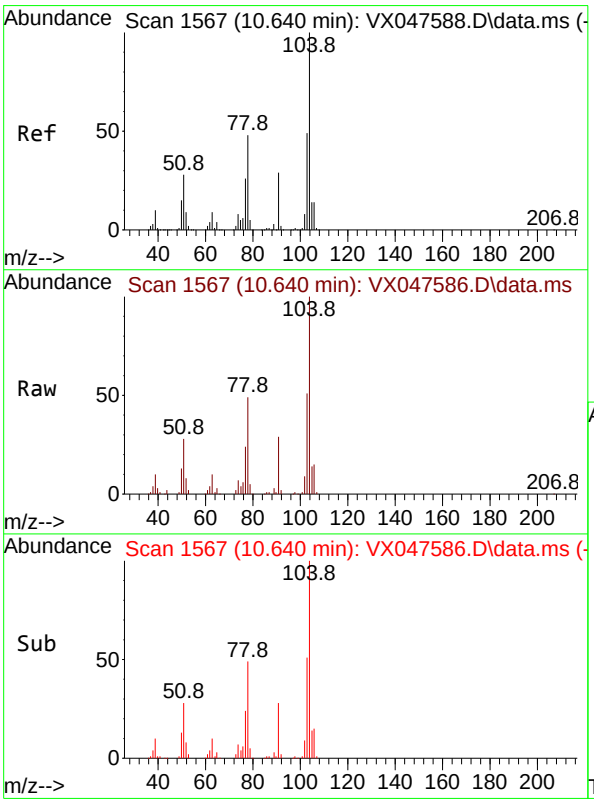
Ion	Ratio	Lower	Upper
106	100		
91	226.3	111.1	333.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

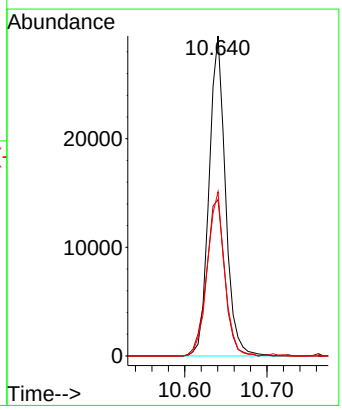


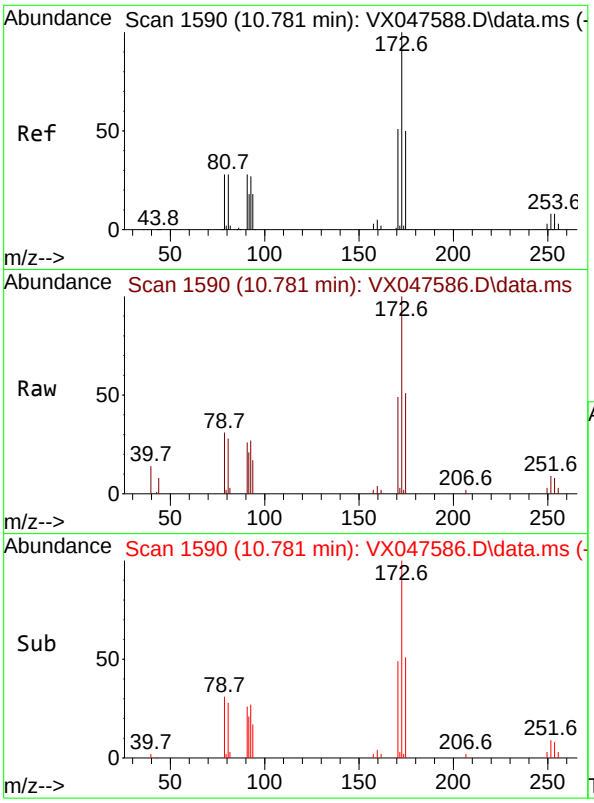


#70
Styrene
Concen: 5.210 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:104 Resp: 40872

Ion	Ratio	Lower	Upper
104	100		
78	54.8	43.1	64.7
103	53.7	43.1	64.7

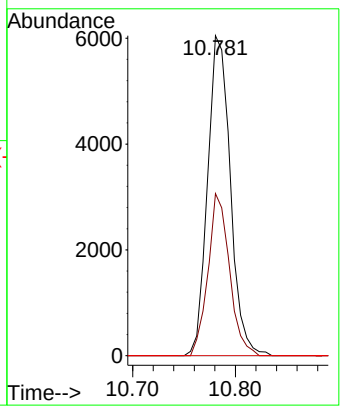




#71
Bromoform
Concen: 5.006 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:173 Resp: 929

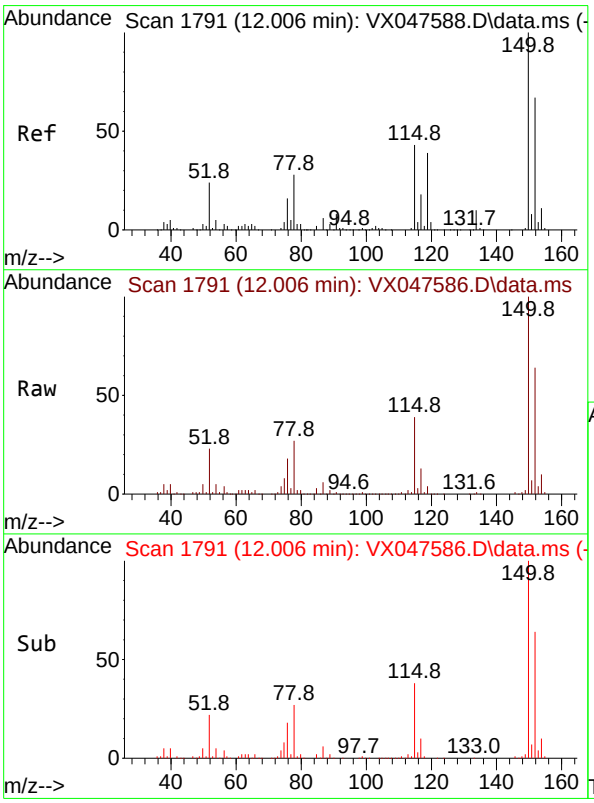
Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.9	74.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

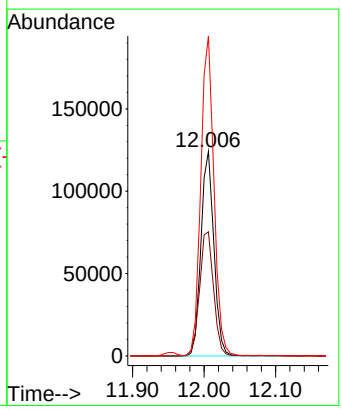
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

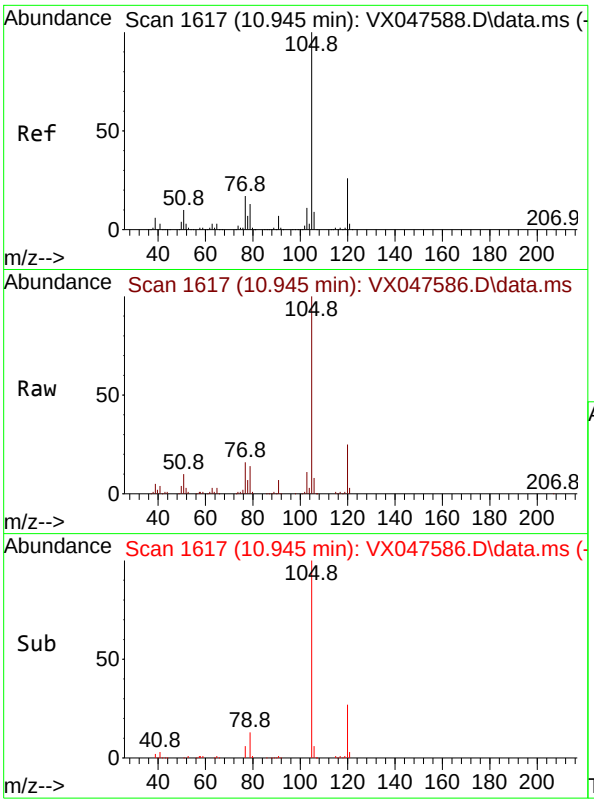


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:152 Resp: 156219

Ion	Ratio	Lower	Upper
152	100		
115	65.6	44.9	134.5
150	157.8	0.0	352.0

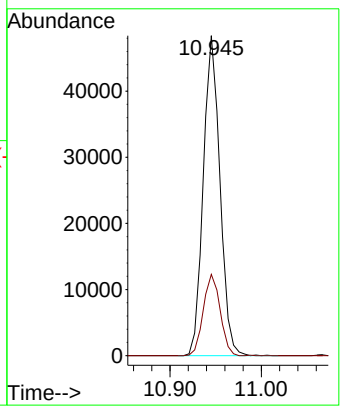




#73
Isopropylbenzene
Concen: 5.139 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 6102

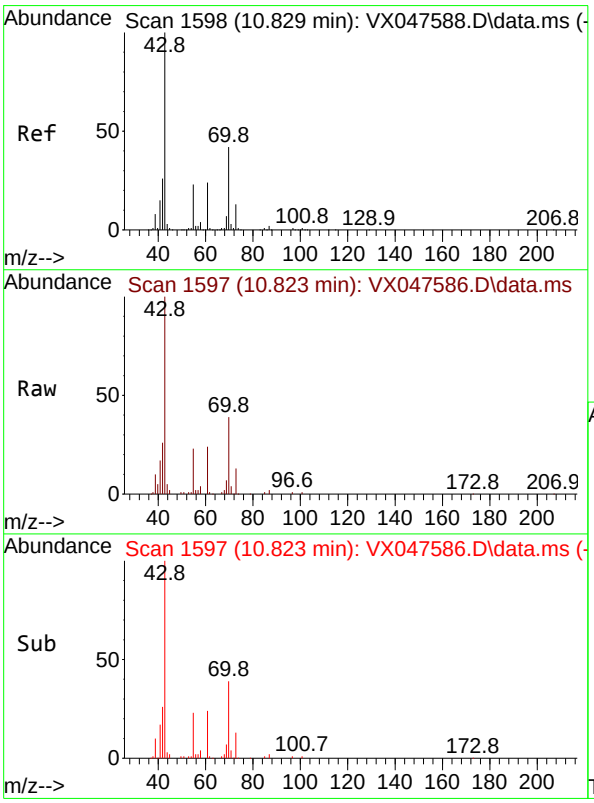
Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

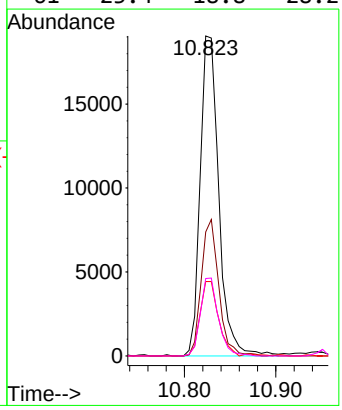
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

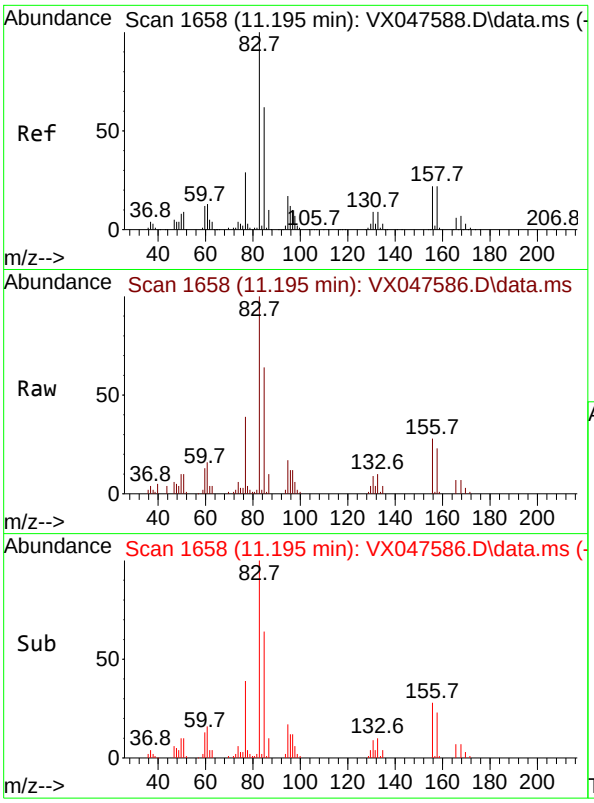


#74
N-amyl acetate
Concen: 4.980 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 26969

Ion	Ratio	Lower	Upper
43	100		
70	39.9	32.0	48.0
55	23.1	18.9	28.3
61	23.4	18.8	28.2

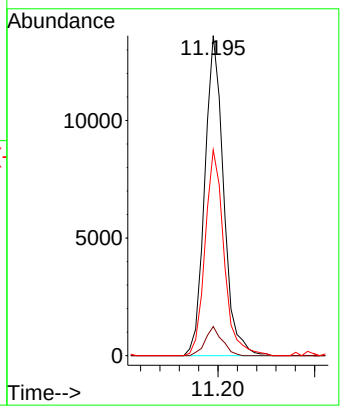




#75
1,1,2,2-Tetrachloroethane
Concen: 5.138 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 83 Resp: 1846

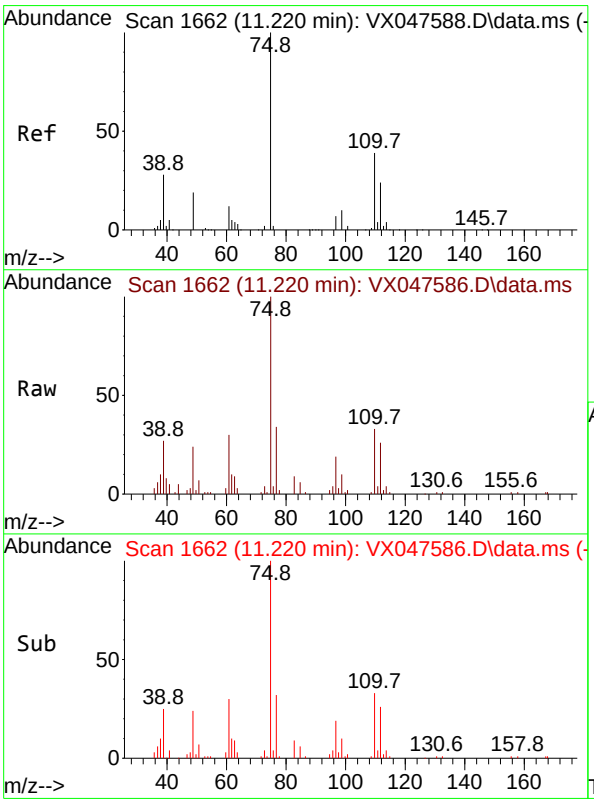
Ion	Ratio	Lower	Upper
83	100		
131	8.2	5.0	14.9
85	64.4	31.6	95.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

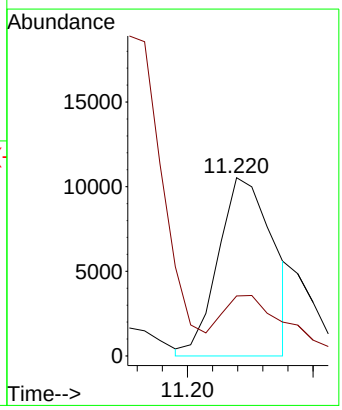
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

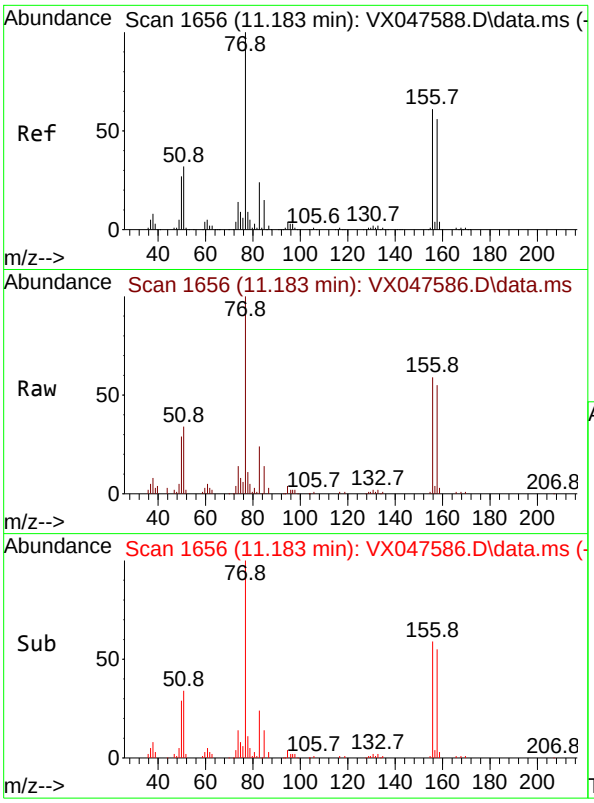


#76
1,2,3-Trichloropropane
Concen: 4.927 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 15982

Ion	Ratio	Lower	Upper
75	100		
77	40.6	18.8	56.4





#77
Bromobenzene
Concen: 5.150 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

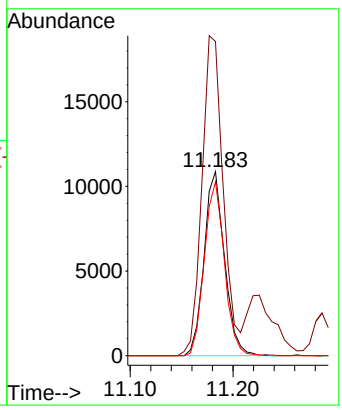
Tgt Ion:156 Resp: 1506

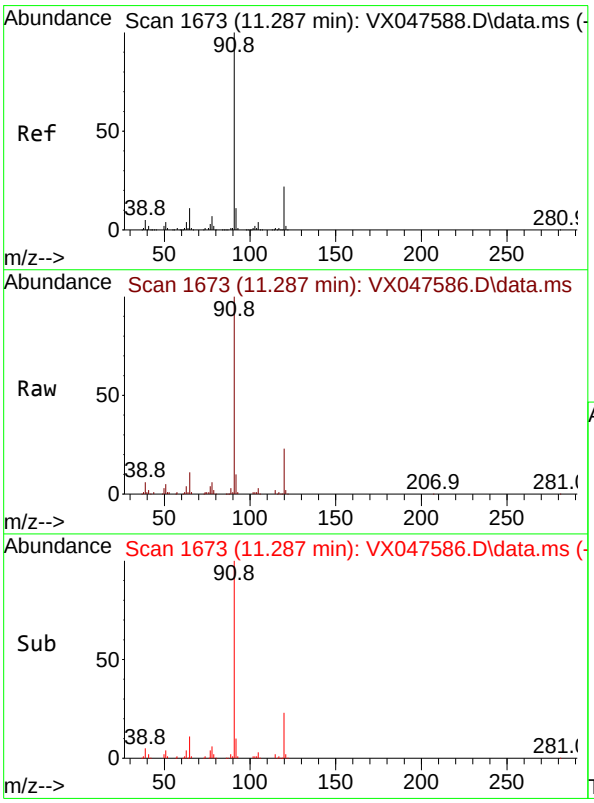
Ion	Ratio	Lower	Upper
156	100		
77	180.3	89.7	269.1
158	92.6	47.9	143.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

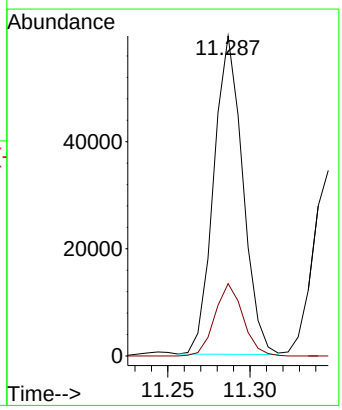


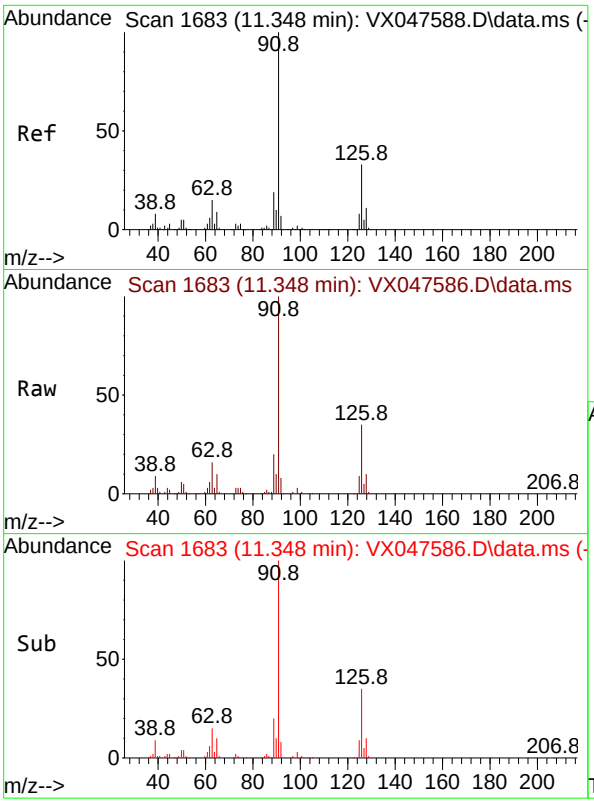


#78
n-propylbenzene
Concen: 5.192 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 72900

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1

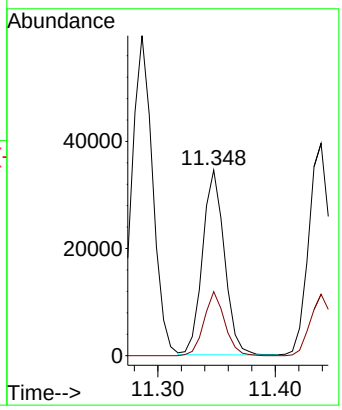




#79
2-Chlorotoluene
Concen: 5.194 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 4466

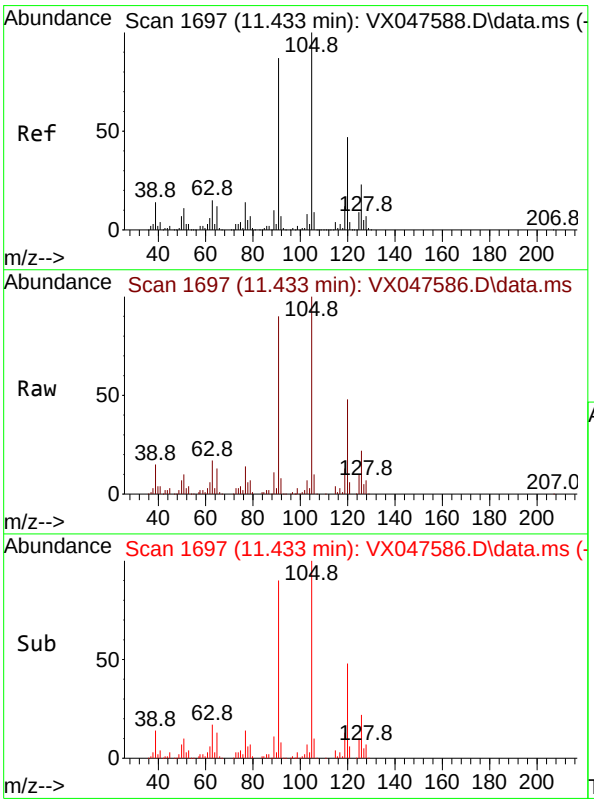
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

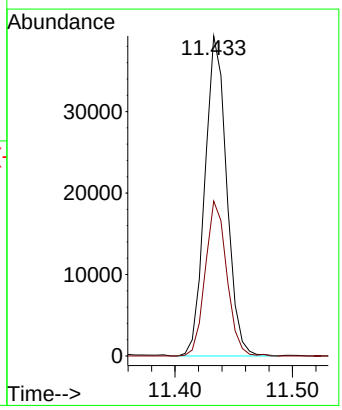
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

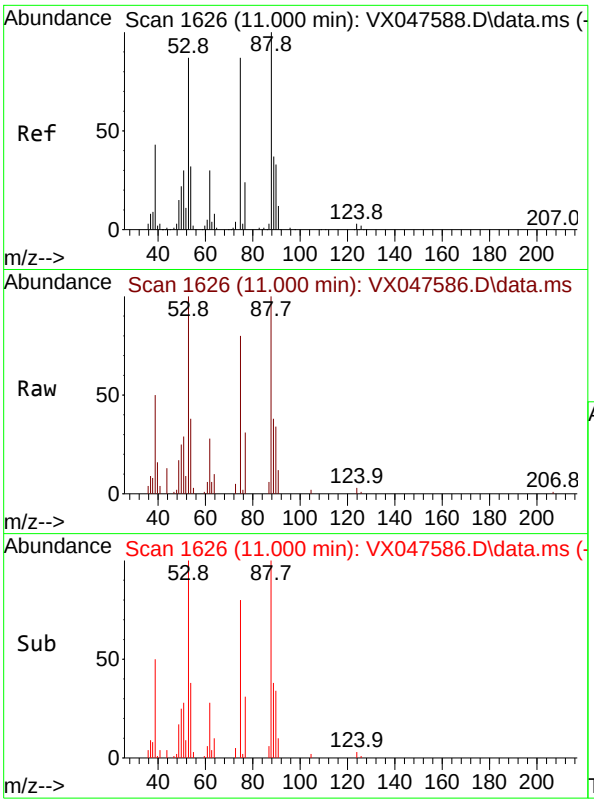


#80
1,3,5-Trimethylbenzene
Concen: 5.179 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 50535

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.6	70.8

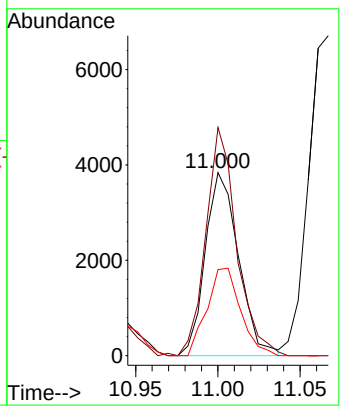




#81
trans-1,4-Dichloro-2-butene
Concen: 4.364 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 541

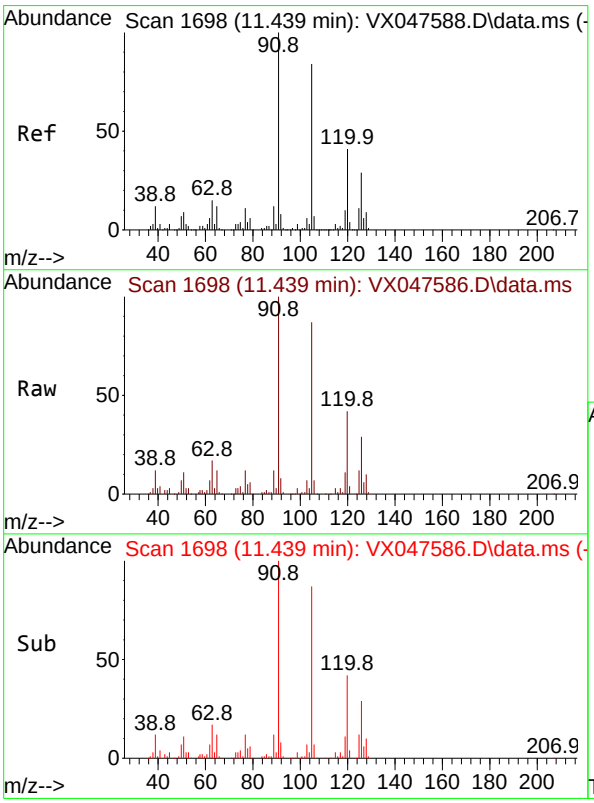
Ion	Ratio	Lower	Upper
75	100		
53	114.9	83.4	125.2
89	48.3	36.3	54.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

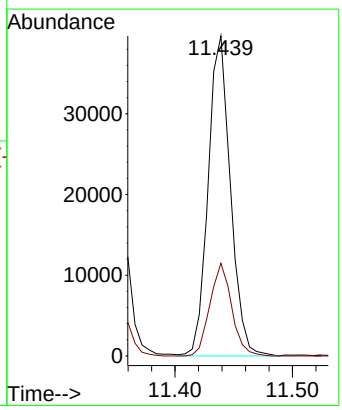
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

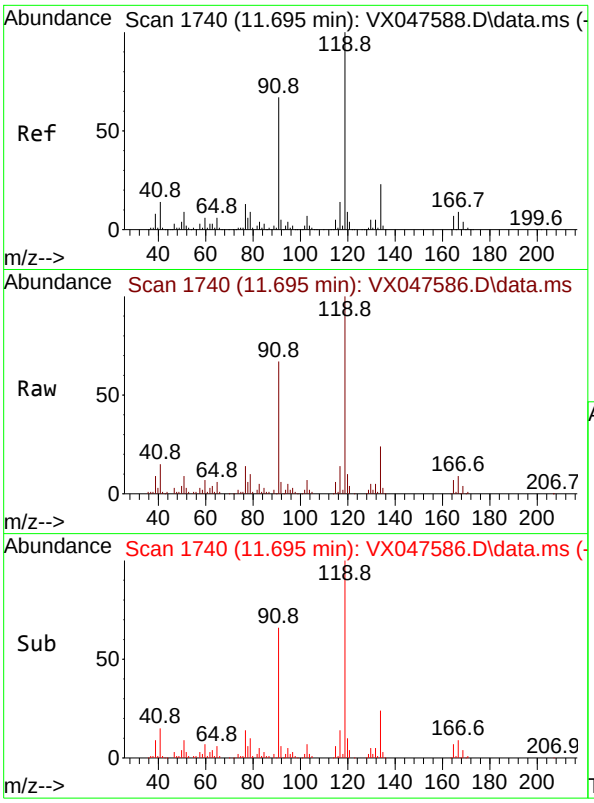


#82
4-Chlorotoluene
Concen: 5.149 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 52294

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.2	42.6

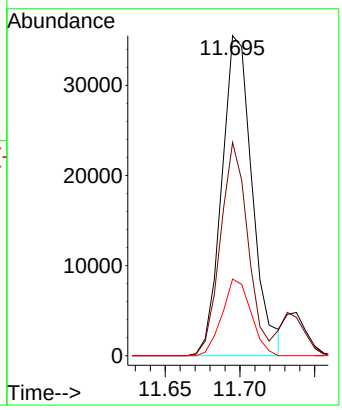




#83
tert-Butylbenzene
Concen: 5.041 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:119 Resp: 5035

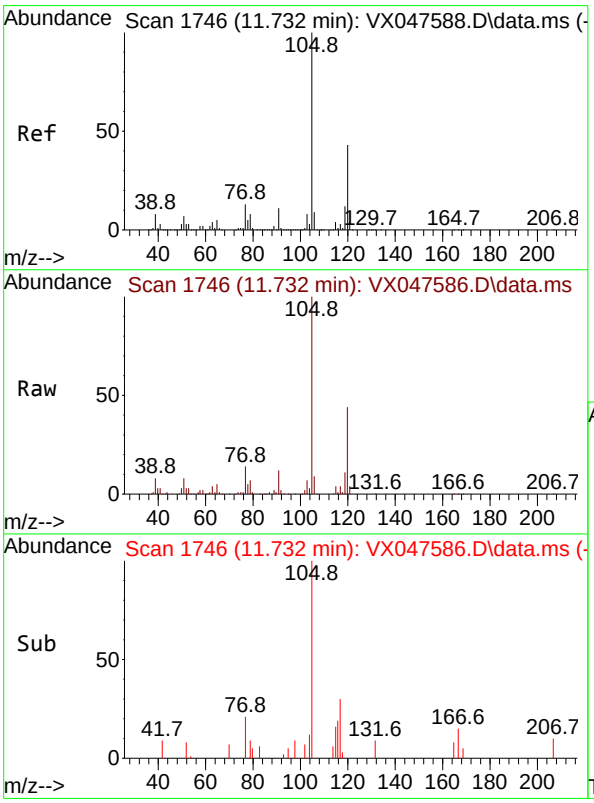
Ion	Ratio	Lower	Upper
119	100		
91	60.1	29.6	88.8
134	22.7	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

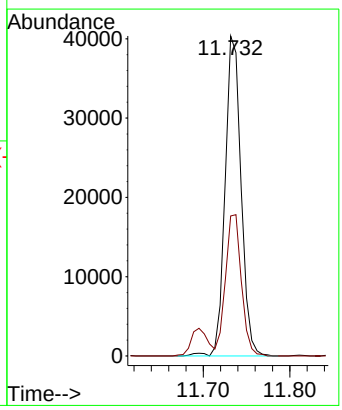
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

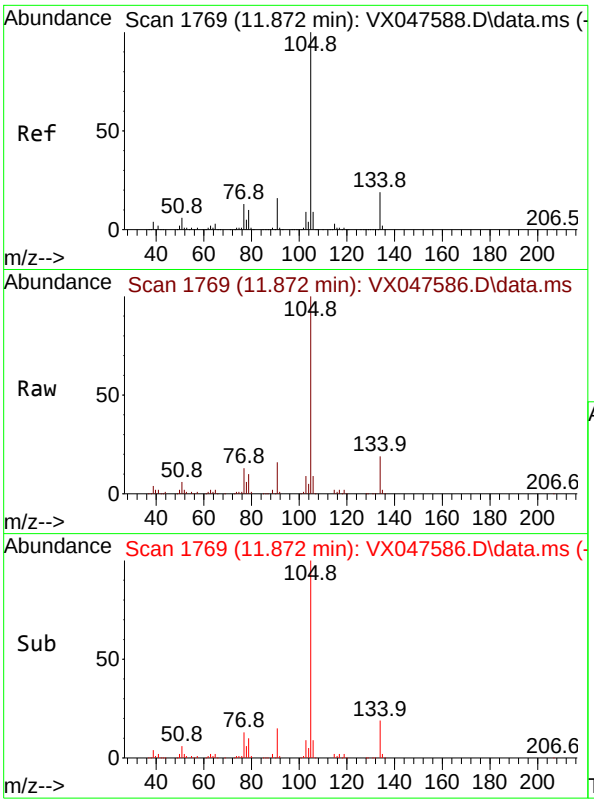


#84
1,2,4-Trimethylbenzene
Concen: 5.214 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 51583

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1

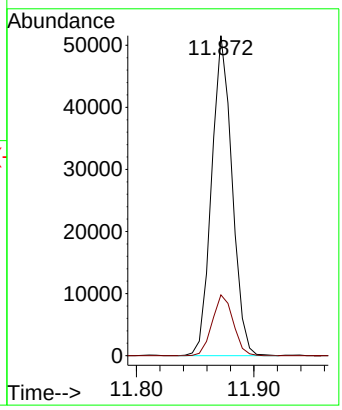




#85
sec-Butylbenzene
Concen: 5.268 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 6250

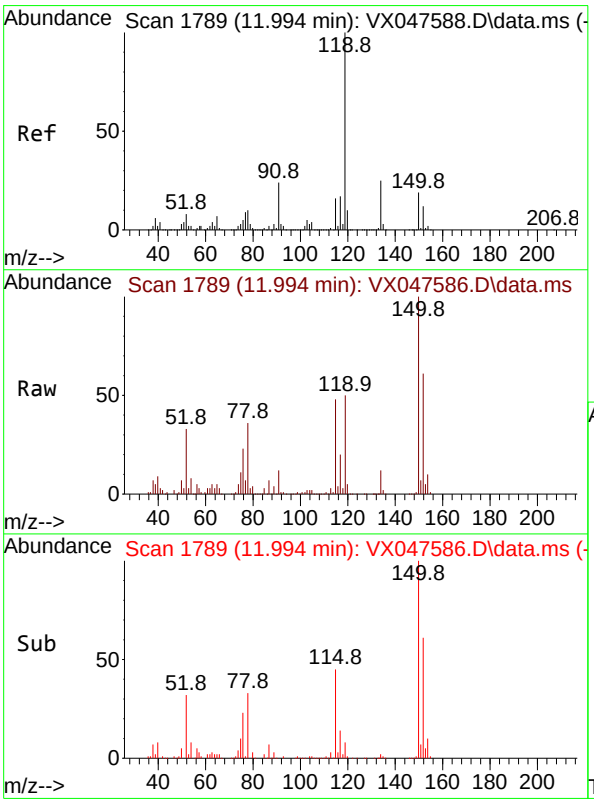
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

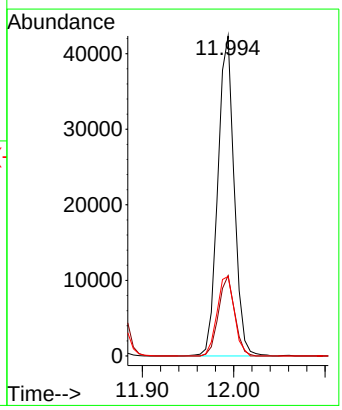
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

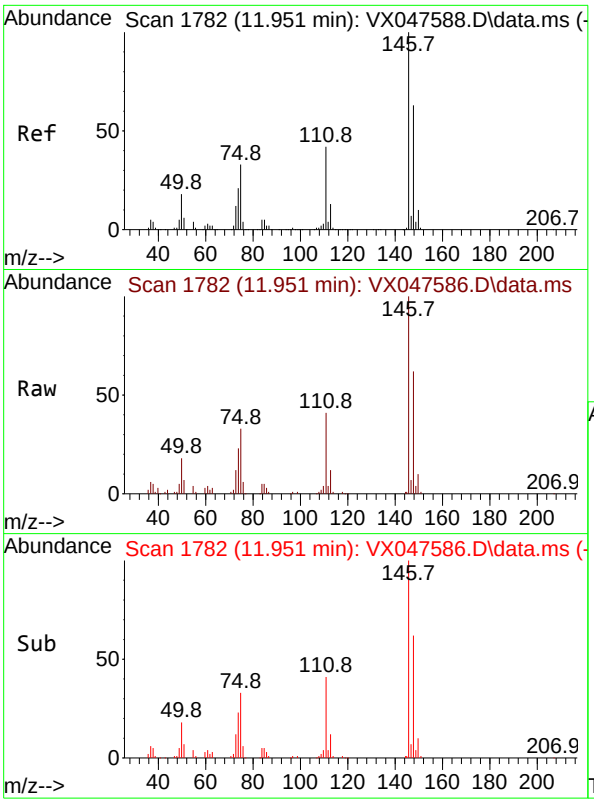


#86
p-Isopropyltoluene
Concen: 5.244 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:119 Resp: 52674

Ion	Ratio	Lower	Upper
119	100		
134	24.7	12.6	37.8
91	26.2	12.6	37.6

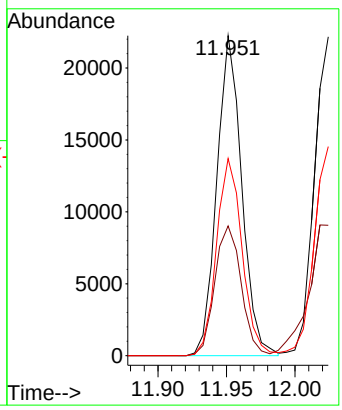




#87
1,3-Dichlorobenzene
Concen: 5.175 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:146 Resp: 2811

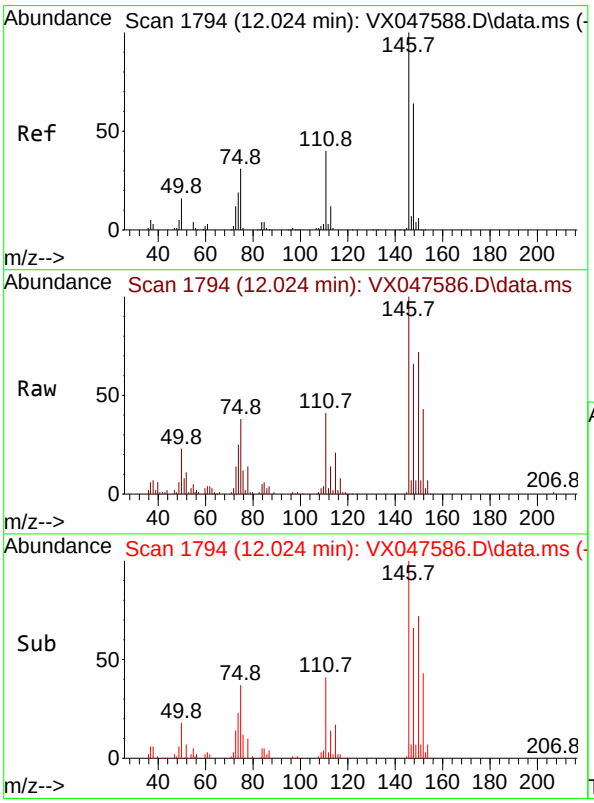
Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.5	64.5
148	63.4	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

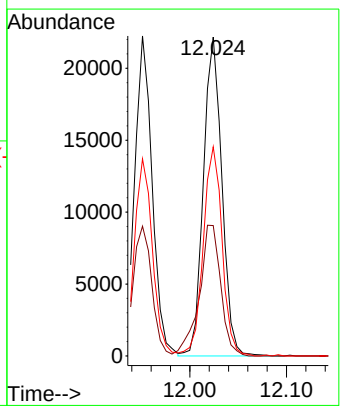
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

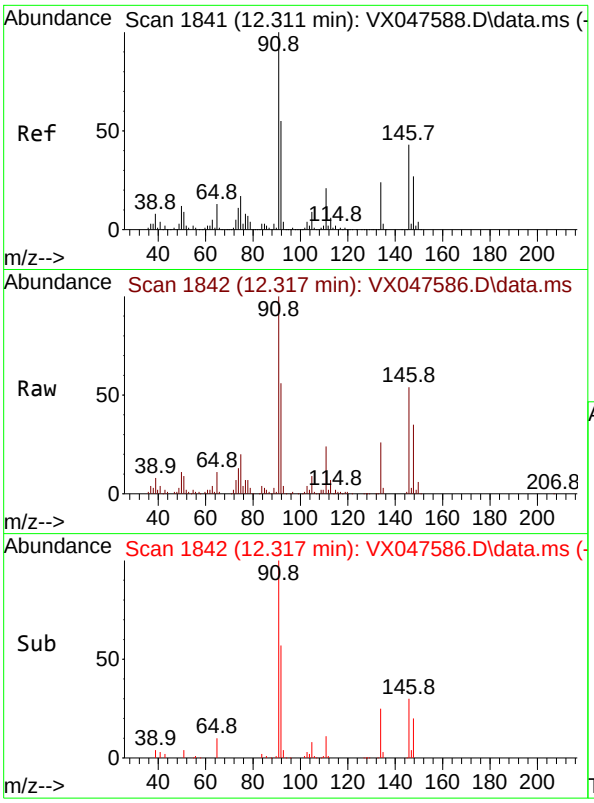


#88
1,4-Dichlorobenzene
Concen: 5.294 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:146 Resp: 29519

Ion	Ratio	Lower	Upper
146	100		
111	47.8	20.8	62.4
148	66.9	31.7	95.1

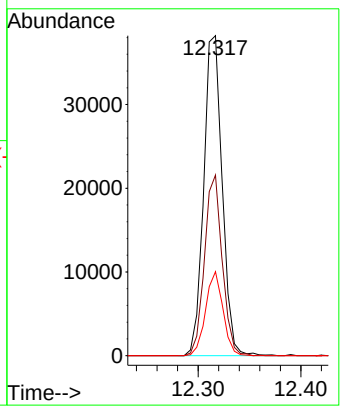




#89
n-Butylbenzene
Concen: 5.159 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 4795

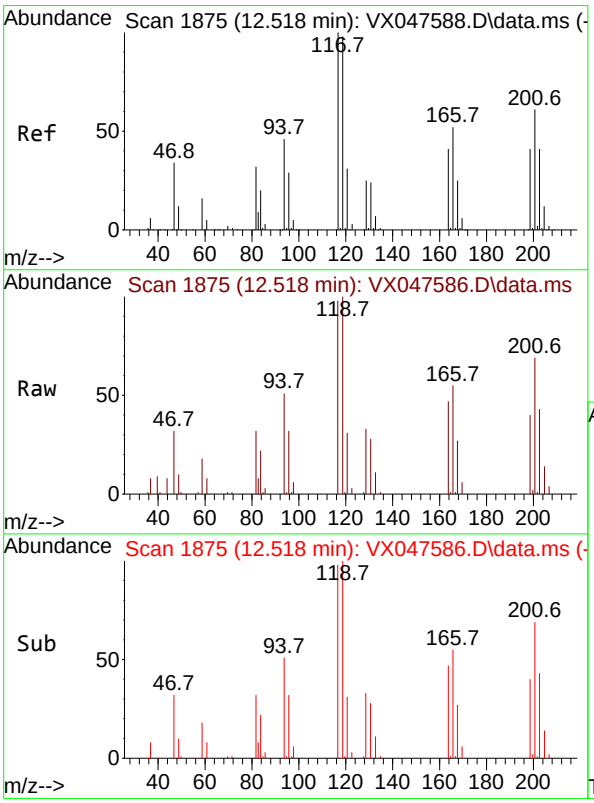
Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.6	82.7
134	24.6	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

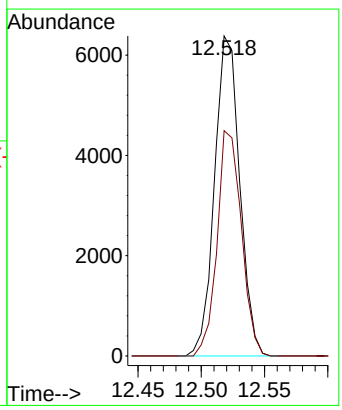
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

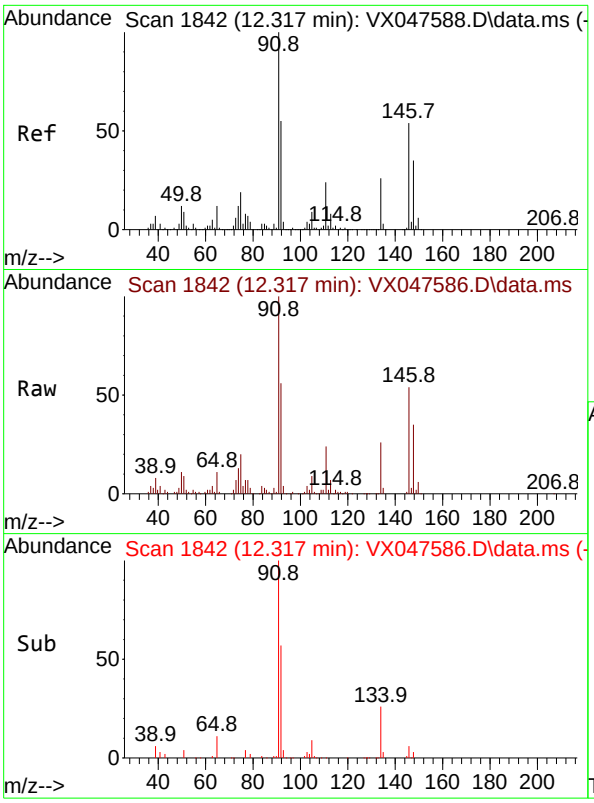


#90
Hexachloroethane
Concen: 5.007 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:117 Resp: 8830

Ion	Ratio	Lower	Upper
117	100		
201	67.9	34.2	102.5

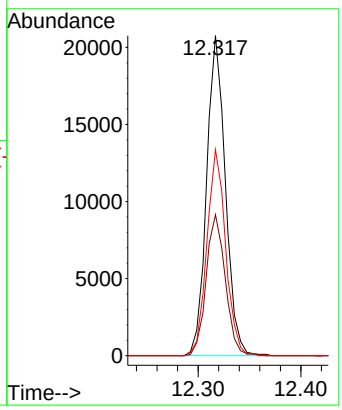




#91
1,2-Dichlorobenzene
Concen: 5.102 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:146 Resp: 2640

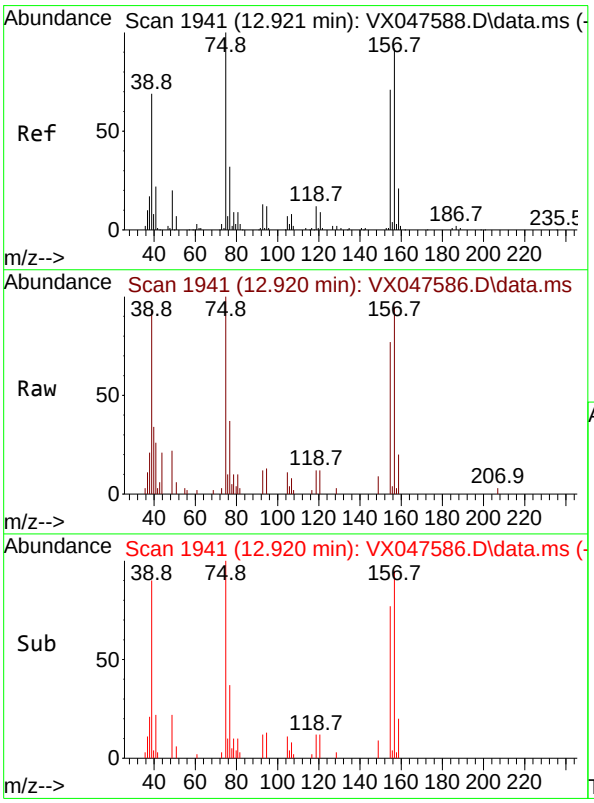
Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.2	66.6
148	64.2	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

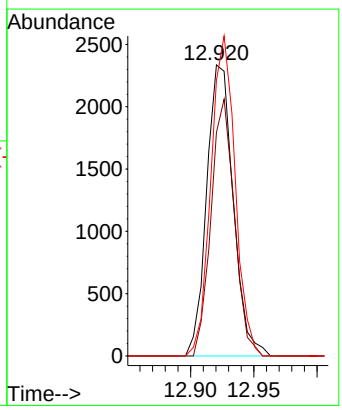
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

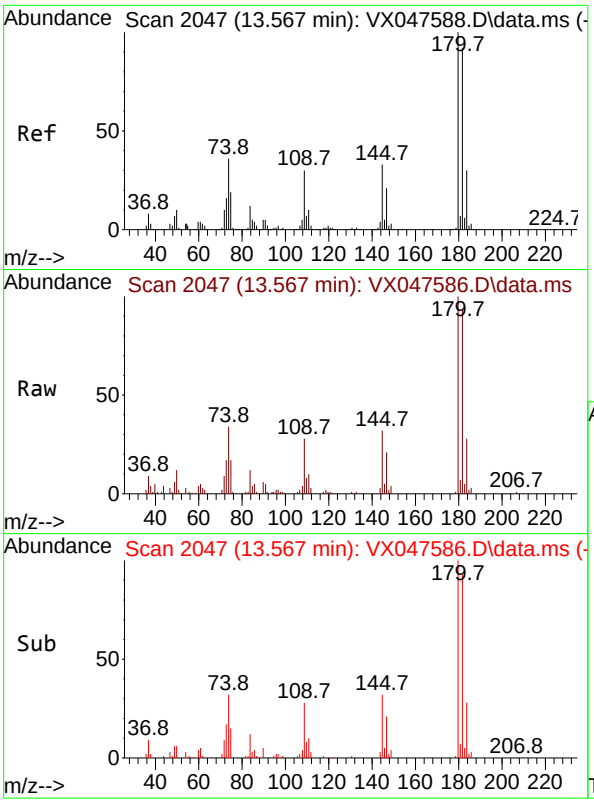


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.690 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 3412

Ion	Ratio	Lower	Upper
75	100		
155	77.4	37.7	113.1
157	100.1	49.8	149.4





#93
1,2,4-Trichlorobenzene
Concen: 5.103 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

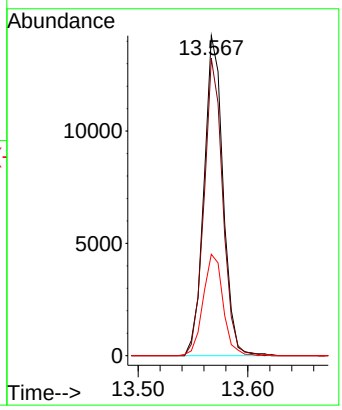
Tgt Ion:180 Resp: 1716

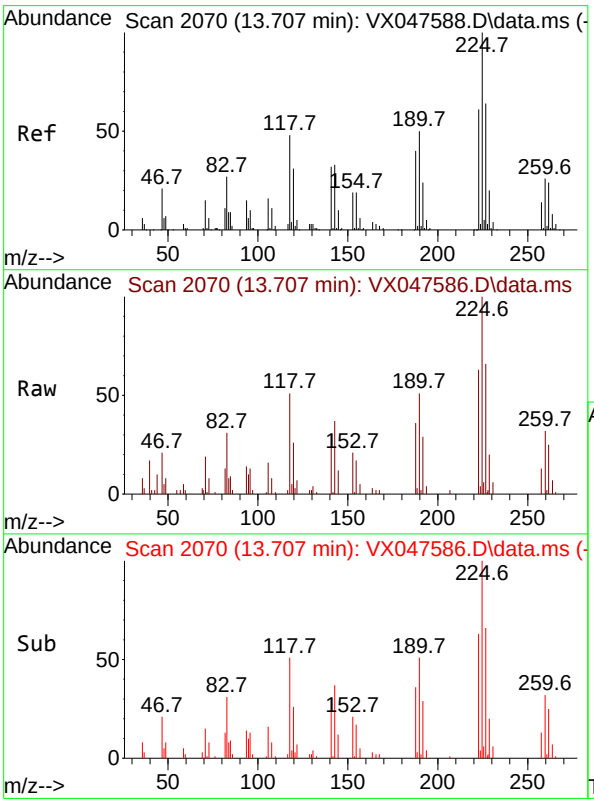
Ion	Ratio	Lower	Upper
180	100		
182	91.2	46.6	139.8
145	33.2	16.4	49.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

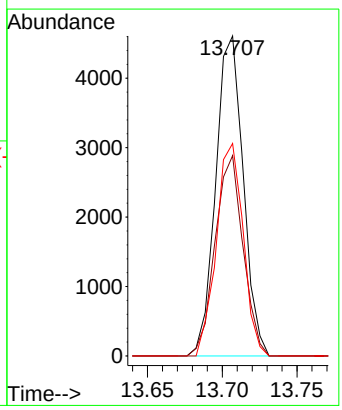


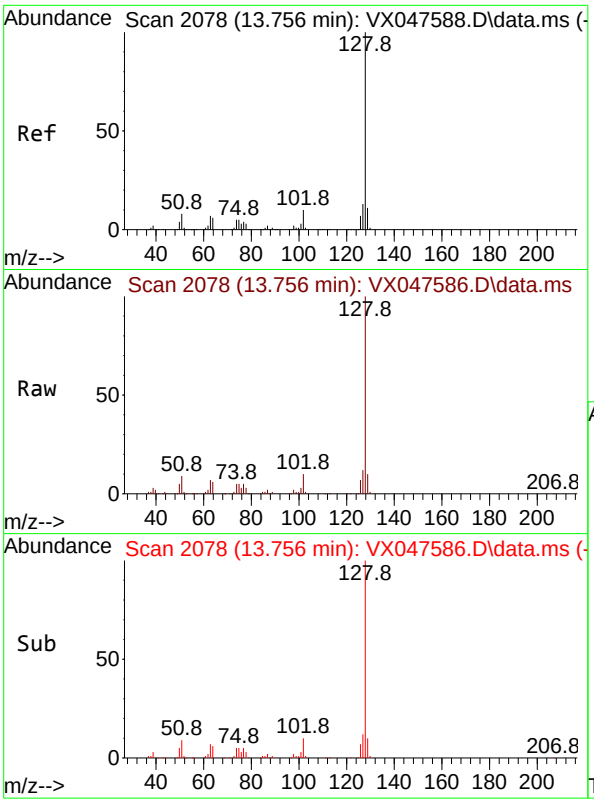


#94
Hexachlorobutadiene
Concen: 5.158 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:225 Resp: 5894

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.7	95.1
227	64.7	32.0	96.0

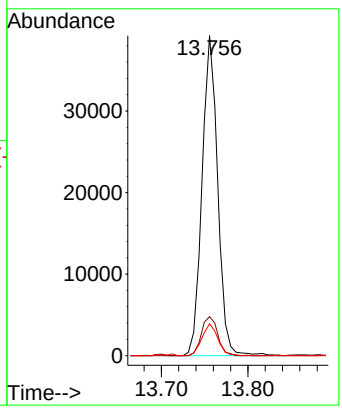




#95
Naphthalene
Concen: 4.808 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:128 Resp: 4925

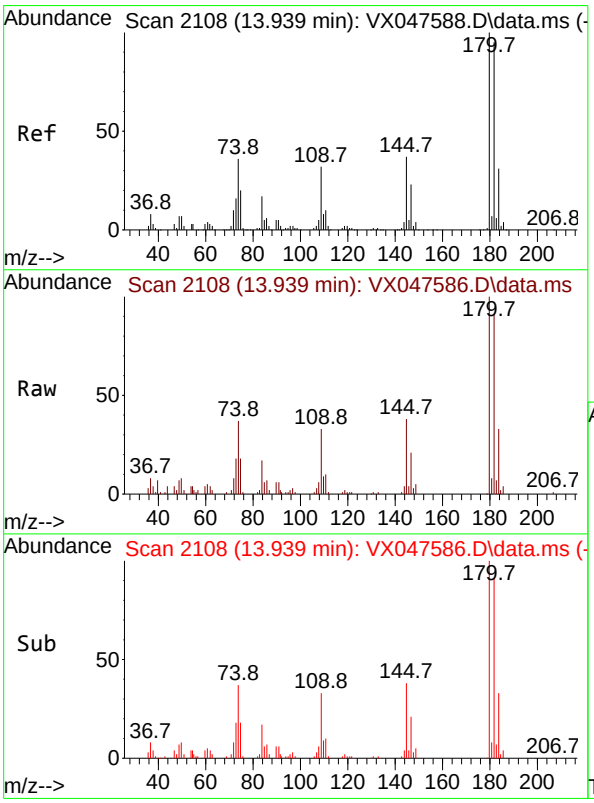
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.1	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

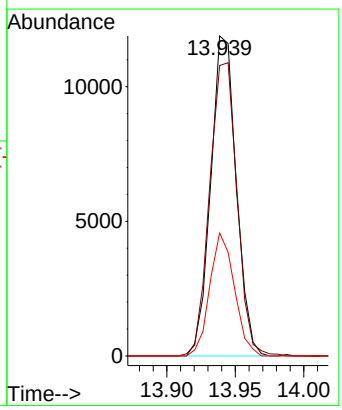
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.921 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:180 Resp: 15400

Ion	Ratio	Lower	Upper
180	100		
182	98.0	47.6	142.8
145	37.1	17.9	53.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:12:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	189559	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	336287	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	298629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	141590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	49073	16.264	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	32.520%#		
35) Dibromofluoromethane	5.379	113	35788	15.868	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	31.740%#		
50) Toluene-d8	8.634	98	126875	16.258	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	32.520%#		
62) 4-Bromofluorobenzene	11.067	95	48454	16.360	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	32.720%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	44126	22.480	ug/l	100
3) Chloromethane	1.300	50	56023	21.716	ug/l	96
4) Vinyl Chloride	1.386	62	54256	21.485	ug/l	96
5) Bromomethane	1.617	94	34193	21.353	ug/l	100
6) Chloroethane	1.697	64	35551	21.063	ug/l	97
7) Trichlorofluoromethane	1.898	101	78667	20.980	ug/l	100
8) Diethyl Ether	2.136	74	31335	20.429	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	45733	20.859	ug/l	98
10) Methyl Iodide	2.459	142	69935	20.452	ug/l	99
11) Tert butyl alcohol	2.946	59	32456	96.582	ug/l	98
12) 1,1-Dichloroethene	2.325	96	46863	20.808	ug/l	96
13) Acrolein	2.239	56	26159	84.473	ug/l	100
14) Allyl chloride	2.666	41	94710	20.379	ug/l	97
15) Acrylonitrile	3.062	53	130143	104.554	ug/l	99
16) Acetone	2.373	43	151538	115.507	ug/l	100
17) Carbon Disulfide	2.520	76	133296	21.620	ug/l	98
18) Methyl Acetate	2.703	43	54120	18.536	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	168426	20.486	ug/l	98
20) Methylene Chloride	2.788	84	57153	20.581	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	50413	20.791	ug/l	94
22) Diisopropyl ether	3.757	45	188598	20.940	ug/l	96
23) Vinyl Acetate	3.715	43	765675	106.218	ug/l	100
24) 1,1-Dichloroethane	3.605	63	98509	20.578	ug/l	99
25) 2-Butanone	4.538	43	179487	109.679	ug/l	94
26) 2,2-Dichloropropane	4.471	77	81413	20.459	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	60865	20.497	ug/l	98
28) Bromochloromethane	4.891	49	34085	16.309	ug/l	100
29) Tetrahydrofuran	4.995	42	102935	104.560	ug/l	97
30) Chloroform	5.080	83	103586	21.413	ug/l	99
31) Cyclohexane	5.464	56	82770	20.759	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	86500	21.081	ug/l	99
36) 1,1-Dichloropropene	5.684	75	68395	20.754	ug/l	99
37) Ethyl Acetate	4.702	43	74499	21.113	ug/l	96
38) Carbon Tetrachloride	5.665	117	74636	20.844	ug/l	95
39) Methylcyclohexane	7.366	83	79499	21.251	ug/l	98
40) Benzene	6.025	78	210711	21.051	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 17 06:12:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	38525	21.148	ug/l		99
42) 1,2-Dichloroethane	6.074	62	80646	21.175	ug/l		99
43) Isopropyl Acetate	6.324	43	119623	20.670	ug/l		100
44) Trichloroethene	7.110	130	51369	21.228	ug/l		97
45) 1,2-Dichloropropane	7.415	63	53046	20.697	ug/l		97
46) Dibromomethane	7.568	93	38910	20.862	ug/l		99
47) Bromodichloromethane	7.805	83	80831	21.002	ug/l		98
48) Methyl methacrylate	7.677	41	60182	20.877	ug/l		98
49) 1,4-Dioxane	7.647	88	12047	413.530	ug/l		95
51) 4-Methyl-2-Pentanone	8.561	43	338370	105.456	ug/l		100
52) Toluene	8.708	92	129193	20.950	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	80972	20.625	ug/l		100
54) cis-1,3-Dichloropropene	8.354	75	86648	20.650	ug/l		99
55) 1,1,2-Trichloroethane	9.140	97	49857	20.967	ug/l		98
56) Ethyl methacrylate	9.104	69	79011	21.158	ug/l		99
57) 1,3-Dichloropropane	9.293	76	85511	20.934	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	141395	86.617	ug/l		100
59) 2-Hexanone	9.415	43	250007	108.488	ug/l		99
60) Dibromochloromethane	9.506	129	57994	21.167	ug/l		99
61) 1,2-Dibromoethane	9.598	107	51614	21.310	ug/l		99
64) Tetrachloroethene	9.262	164	40840	20.979	ug/l		95
65) Chlorobenzene	10.061	112	140642	20.731	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.146	131	48022	20.513	ug/l		99
67) Ethyl Benzene	10.177	91	244737	20.907	ug/l		98
68) m/p-Xylenes	10.287	106	182778	41.951	ug/l		100
69) o-Xylene	10.628	106	87651	20.799	ug/l		98
70) Styrene	10.640	104	154077	20.866	ug/l		99
71) Bromoform	10.780	173	35922	20.550	ug/l	#	98
73) Isopropylbenzene	10.945	105	225730	20.970	ug/l		99
74) N-amyl acetate	10.829	43	104823	21.354	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	68132	20.920	ug/l		99
76) 1,2,3-Trichloropropane	11.225	75	60797m	20.680	ug/l		
77) Bromobenzene	11.183	156	56161	21.183	ug/l		99
78) n-propylbenzene	11.286	91	268399	21.092	ug/l		100
79) 2-Chlorotoluene	11.347	91	166237	21.329	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	187513	21.202	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	21553	19.173	ug/l		96
82) 4-Chlorotoluene	11.439	91	193122	20.980	ug/l		100
83) tert-Butylbenzene	11.695	119	189484	20.929	ug/l		100
84) 1,2,4-Trimethylbenzene	11.738	105	191477	21.355	ug/l		98
85) sec-Butylbenzene	11.872	105	223434	20.777	ug/l		100
86) p-Isopropyltoluene	11.994	119	190931	20.972	ug/l		98
87) 1,3-Dichlorobenzene	11.951	146	103584	21.035	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	105819	20.937	ug/l		99
89) n-Butylbenzene	12.317	91	176373	20.937	ug/l		99
90) Hexachloroethane	12.518	117	32526	20.349	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	99493	21.207	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	13729	20.821	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	62722	20.571	ug/l		96
94) Hexachlorobutadiene	13.707	225	20456	19.751	ug/l		98
95) Naphthalene	13.756	128	193134	20.801	ug/l		99
96) 1,2,3-Trichlorobenzene	13.938	180	58409	20.593	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:12:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 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

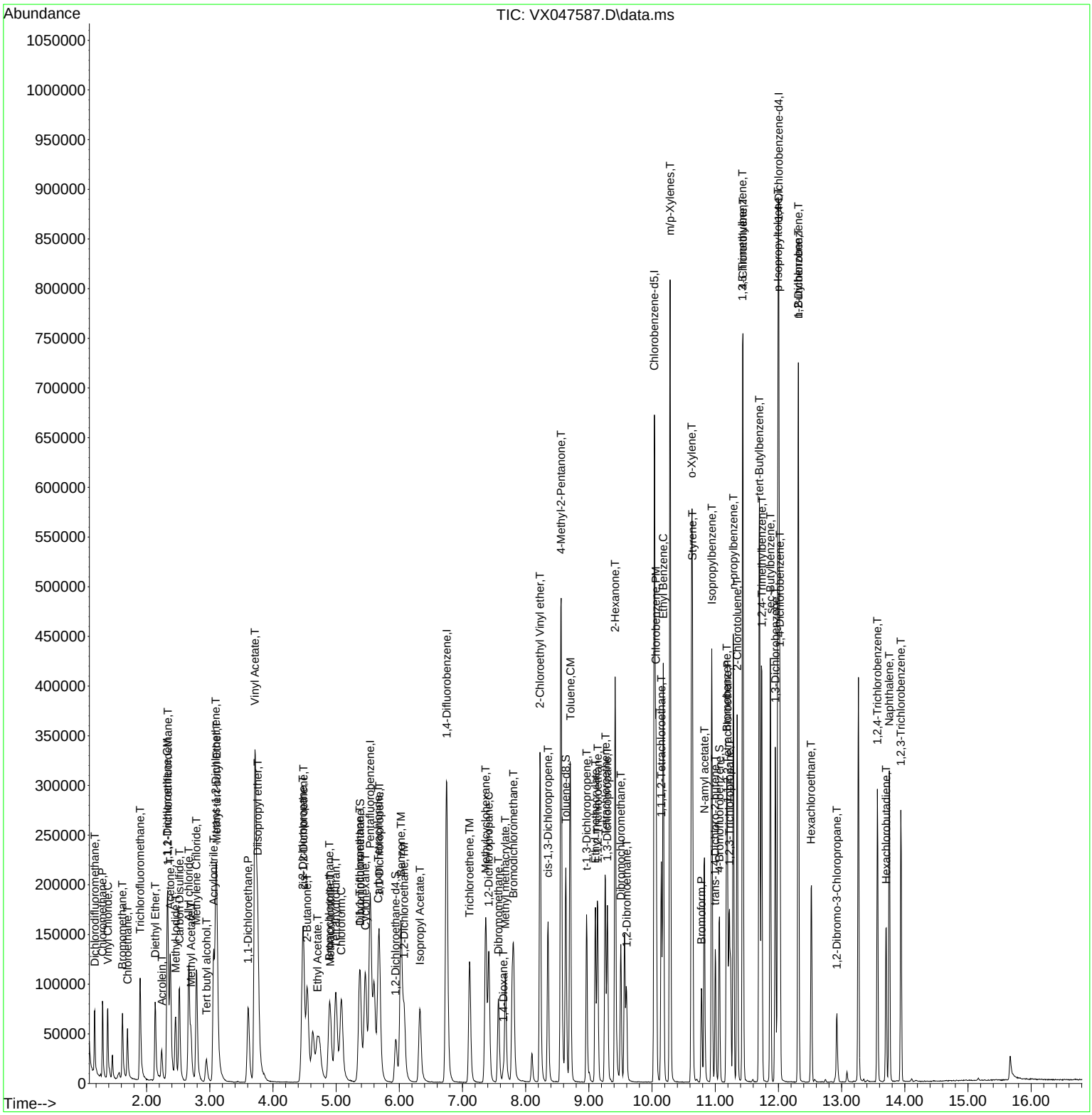
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

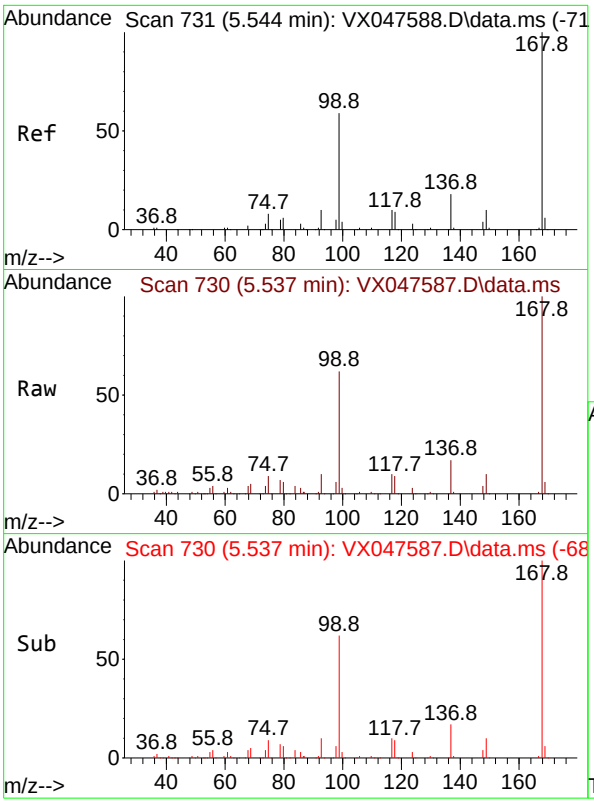
Quant Time: Sep 17 06:12:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

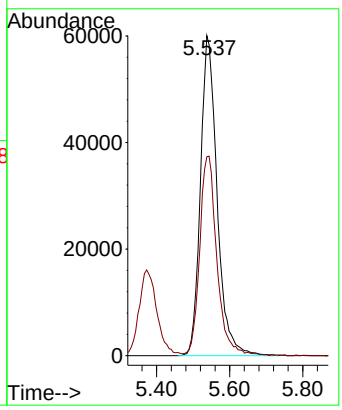




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:168 Resp: 18955

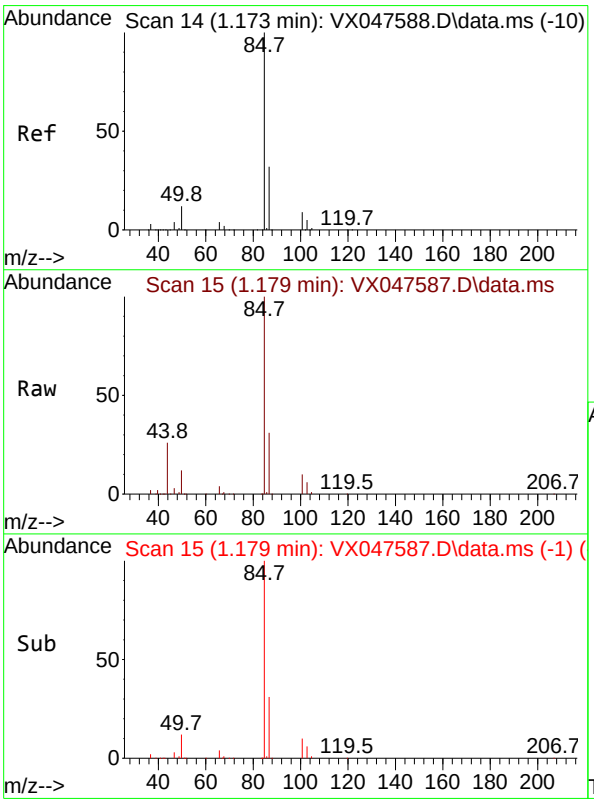
Ion	Ratio	Lower	Upper
168	100		
99	61.9	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

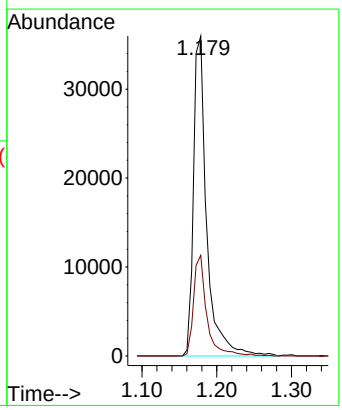
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

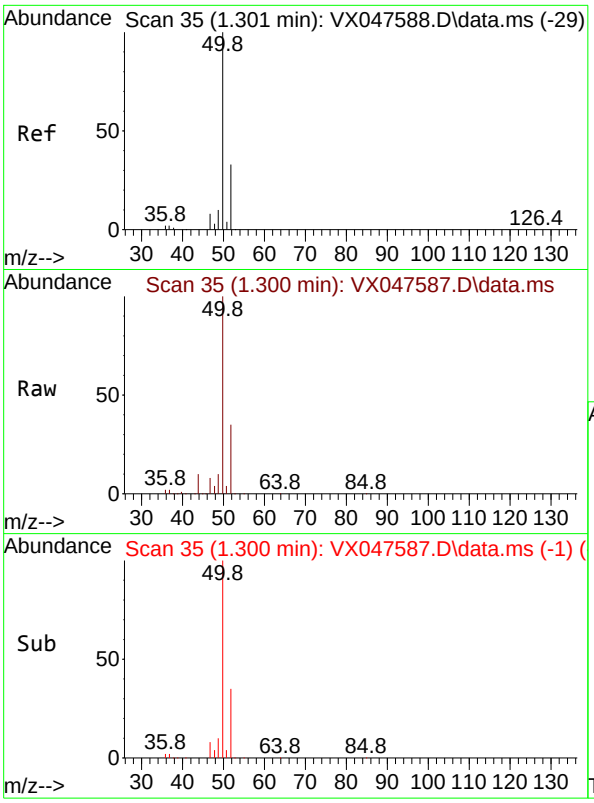


#2
Dichlorodifluoromethane
Concen: 22.480 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 85 Resp: 44126

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.8	47.3

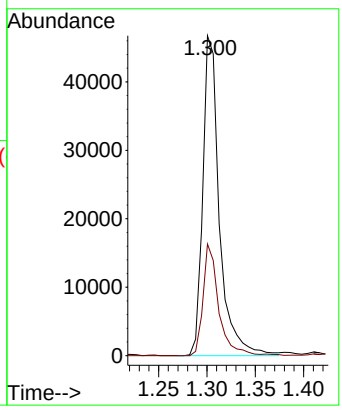




#3
Chloromethane
Concen: 21.716 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 50 Resp: 5602

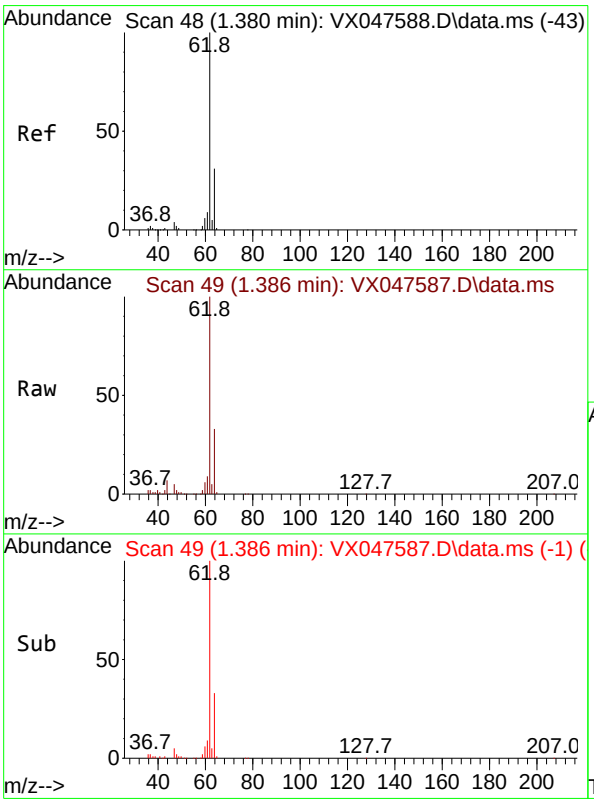
Ion	Ratio	Lower	Upper
50	100		
52	34.9	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

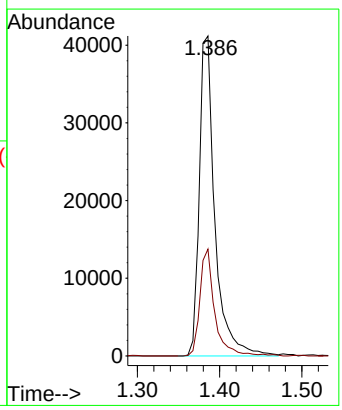
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

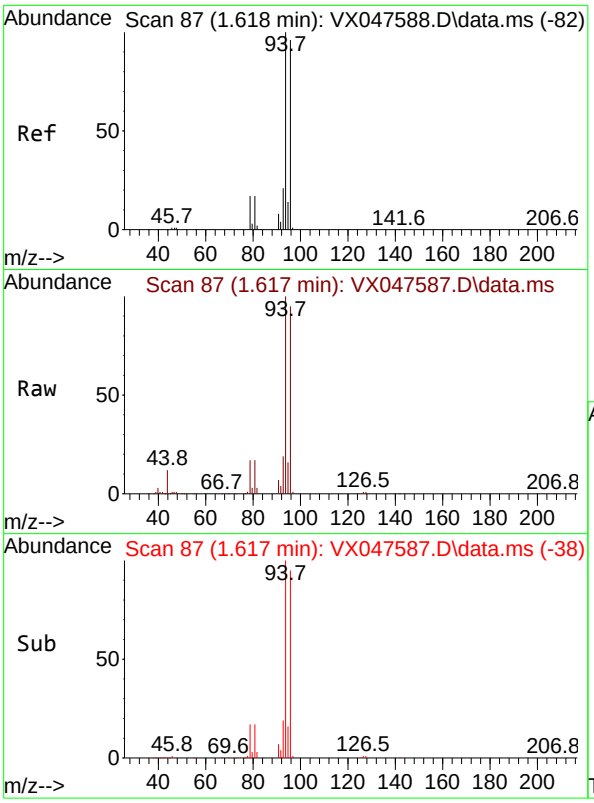


#4
Vinyl Chloride
Concen: 21.485 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 62 Resp: 54256

Ion	Ratio	Lower	Upper
62	100		
64	33.4	24.9	37.3

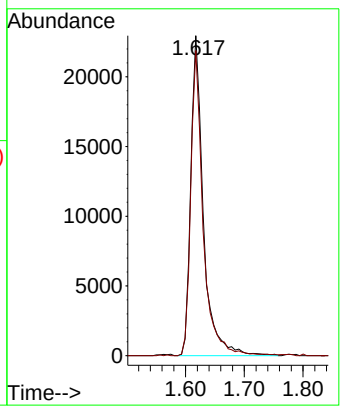




#5
Bromomethane
Concen: 21.353 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 94 Resp: 3419

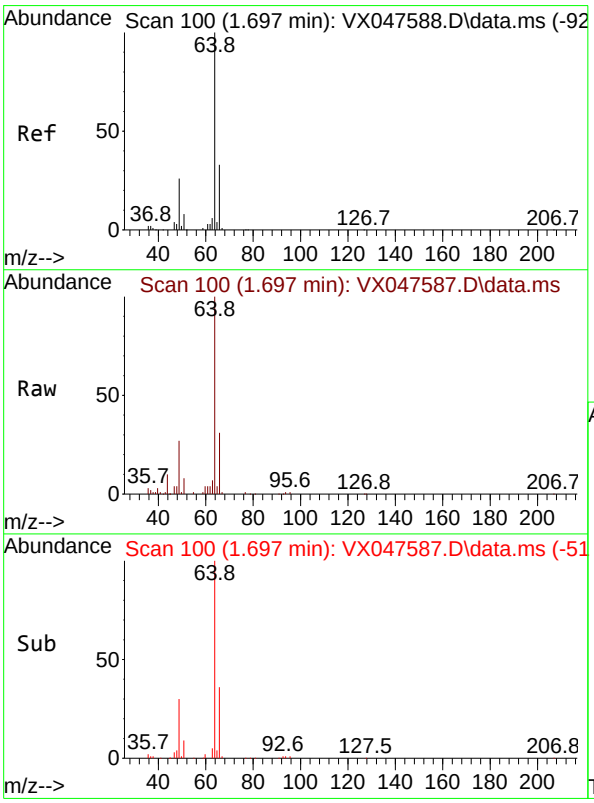
Ion	Ratio	Lower	Upper
94	100		
96	95.3	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

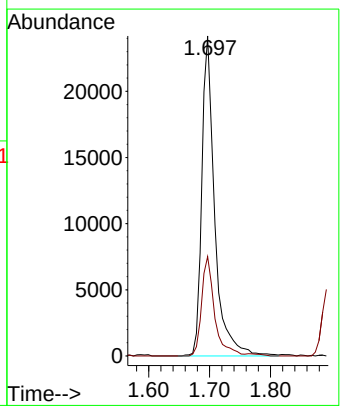
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

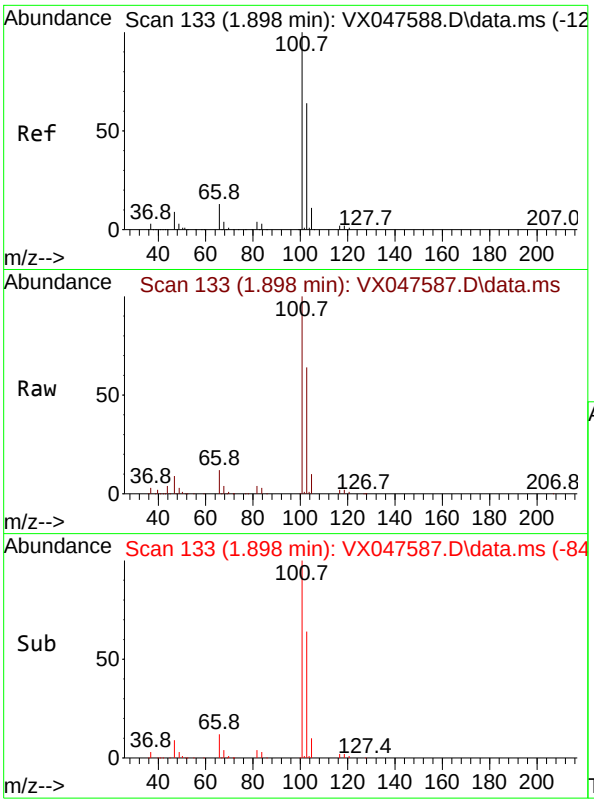


#6
Chloroethane
Concen: 21.063 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 64 Resp: 35551

Ion	Ratio	Lower	Upper
64	100		
66	31.0	26.1	39.1

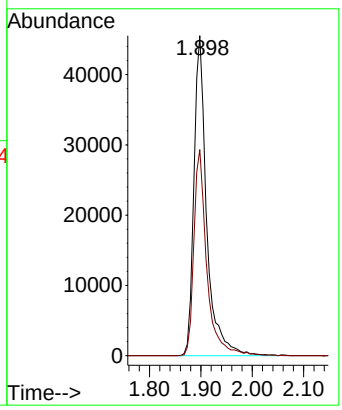




#7
Trichlorofluoromethane
Concen: 20.980 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:101 Resp: 7866

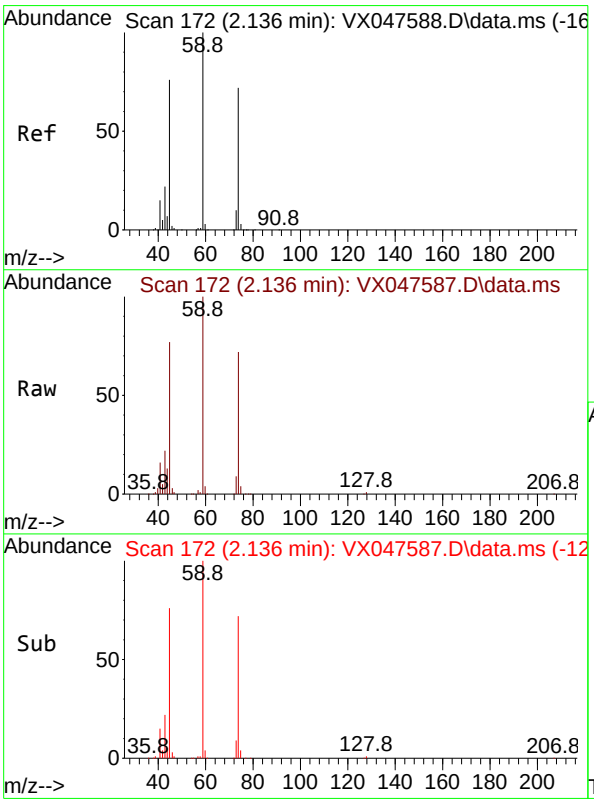
Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

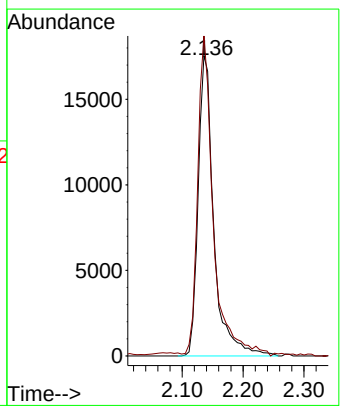
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

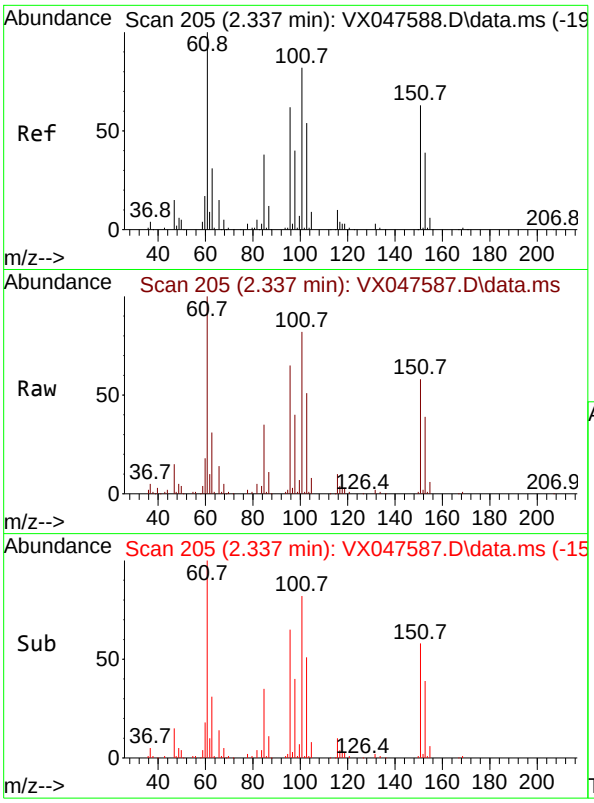


#8
Diethyl Ether
Concen: 20.429 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 74 Resp: 31335

Ion	Ratio	Lower	Upper
74	100		
45	107.0	52.3	156.8

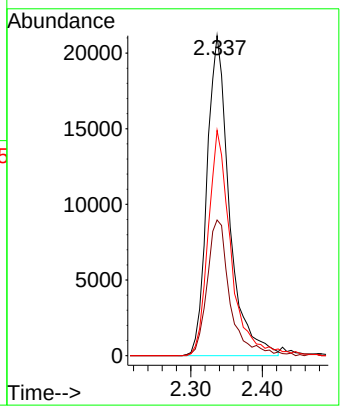




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.859 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:101 Resp: 4573

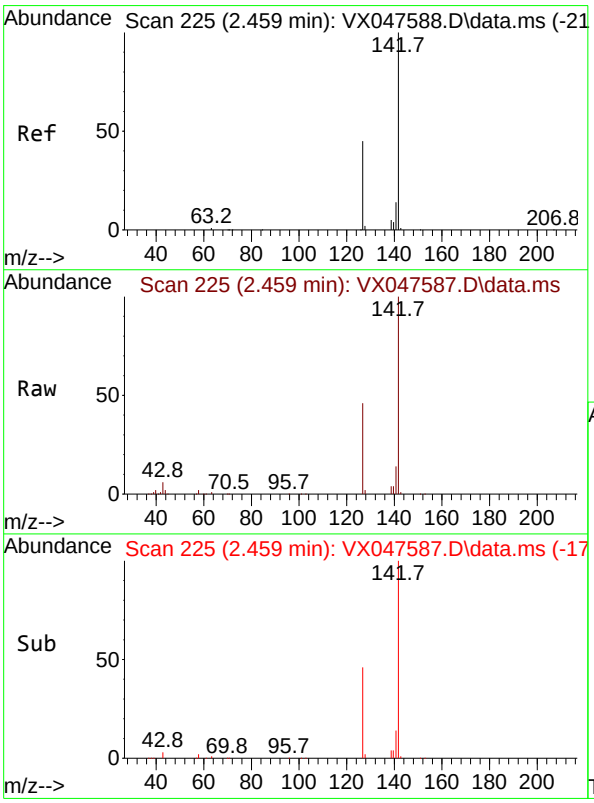
Ion	Ratio	Lower	Upper
101	100		
85	43.6	35.5	53.3
151	72.1	59.4	89.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

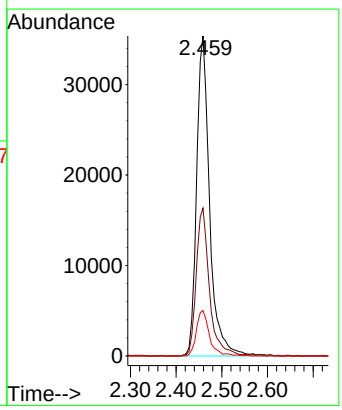
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

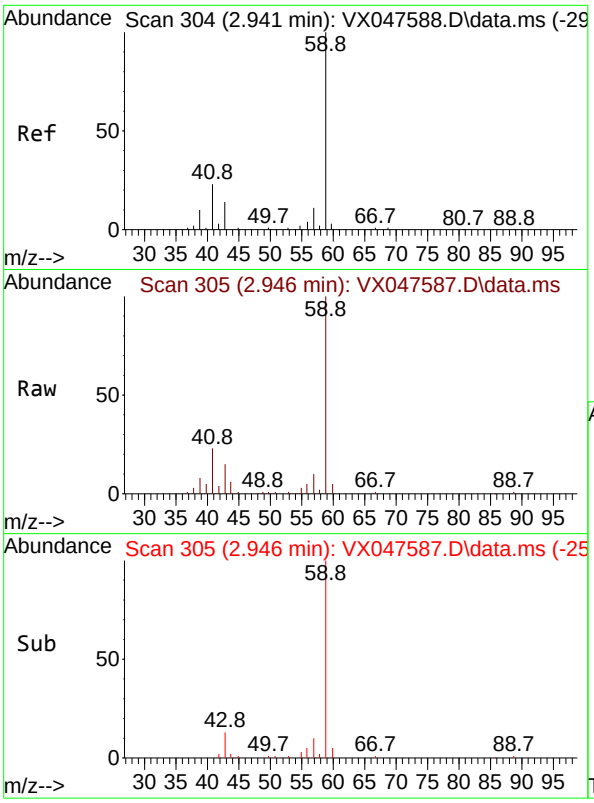


#10
Methyl Iodide
Concen: 20.452 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:142 Resp: 69935

Ion	Ratio	Lower	Upper
142	100		
127	46.9	37.2	55.8
141	14.3	11.4	17.0

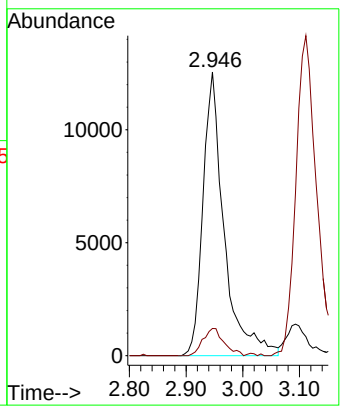




#11
Tert butyl alcohol
Concen: 96.582 ug/l
RT: 2.946 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 59 Resp: 3245

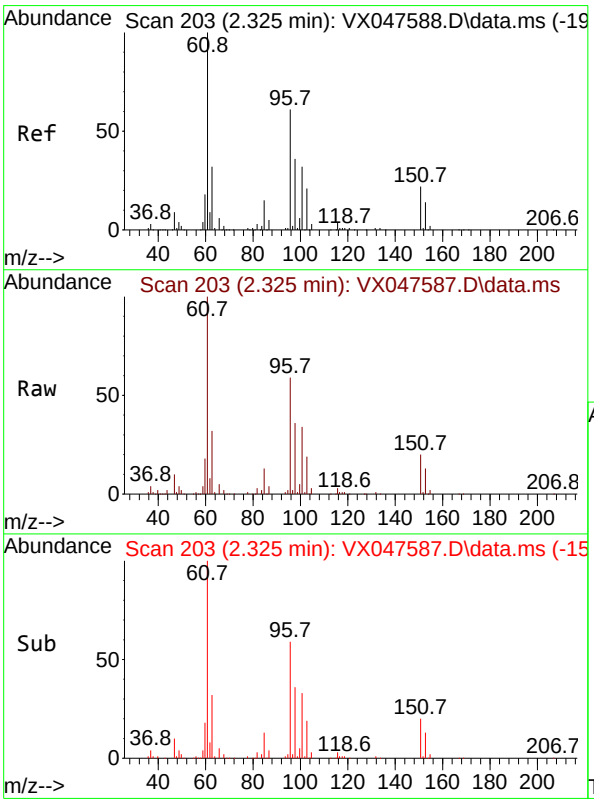
Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

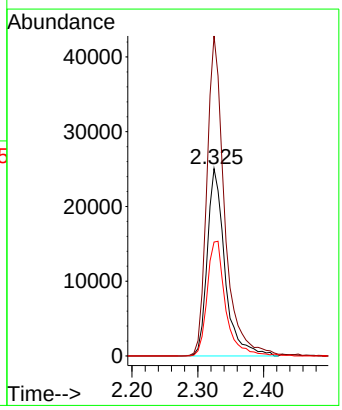
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

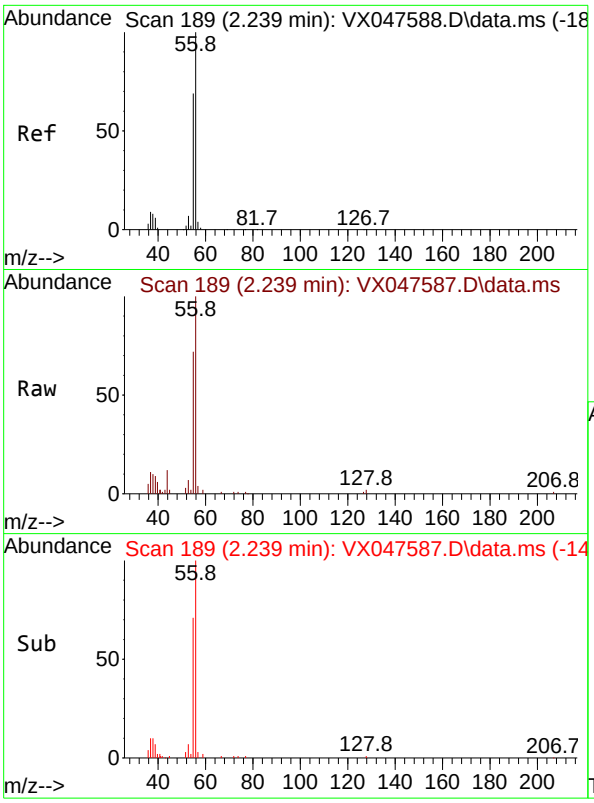


#12
1,1-Dichloroethene
Concen: 20.808 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 96 Resp: 46863

Ion	Ratio	Lower	Upper
96	100		
61	170.7	131.0	196.6
98	60.8	47.7	71.5

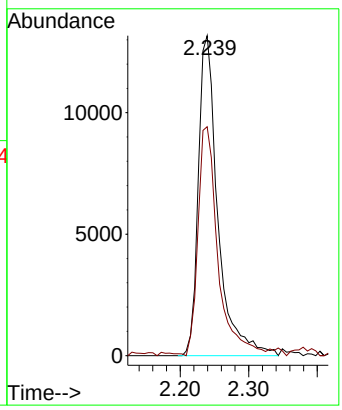




#13
Acrolein
Concen: 84.473 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 56 Resp: 2615

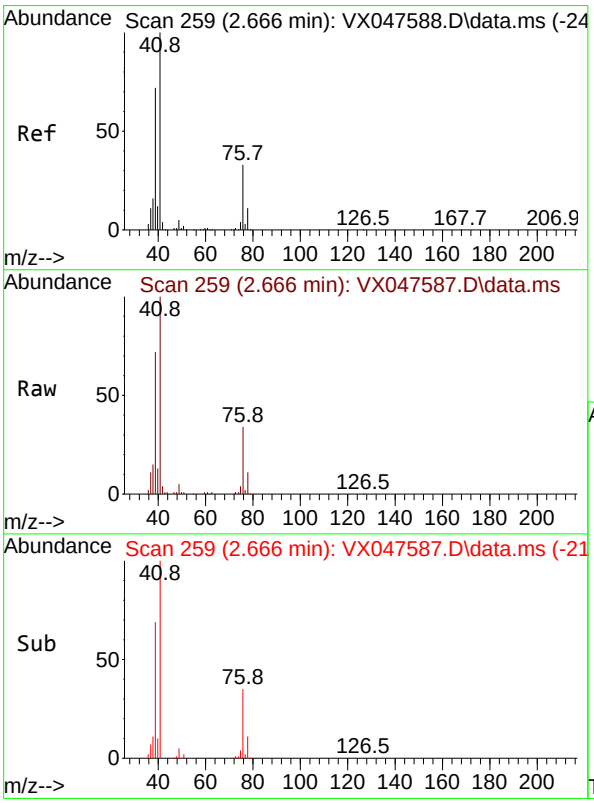
Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

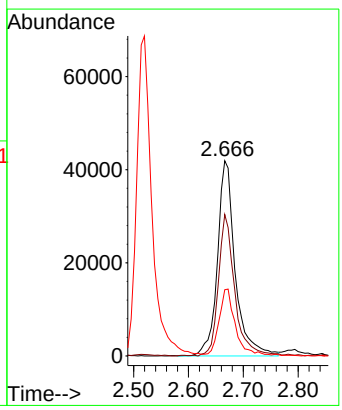
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

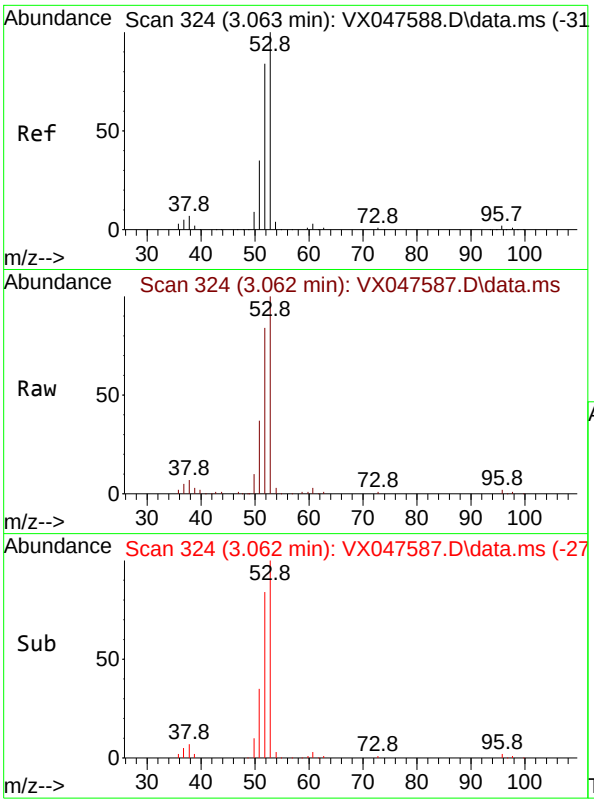


#14
Allyl chloride
Concen: 20.379 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 41 Resp: 94710

Ion	Ratio	Lower	Upper
41	100		
39	65.5	54.7	82.1
76	30.3	25.7	38.5

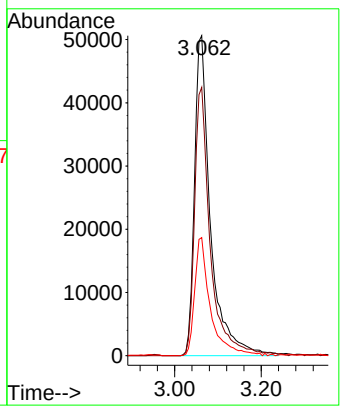




#15
Acrylonitrile
Concen: 104.554 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 53 Resp: 13014

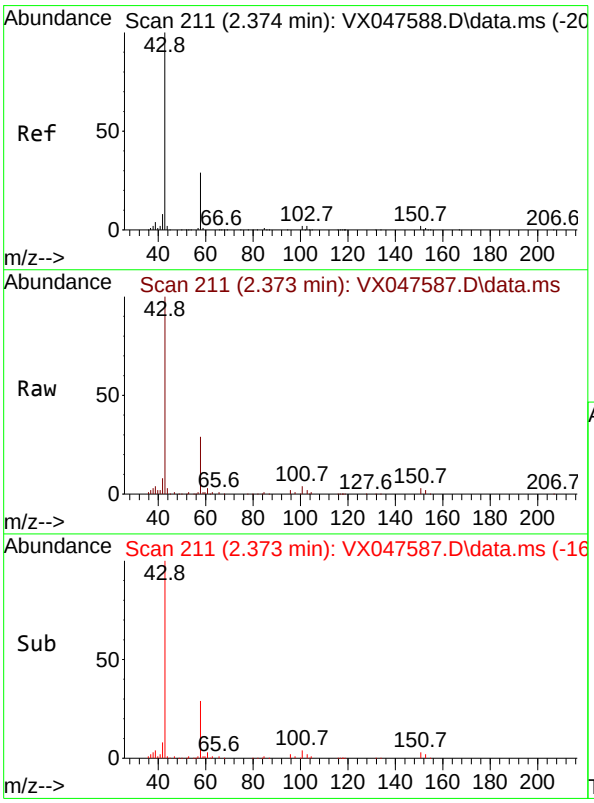
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.4	99.6
51	36.2	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

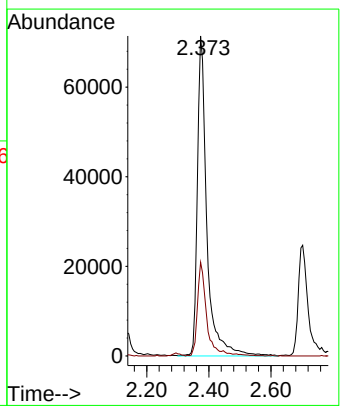
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

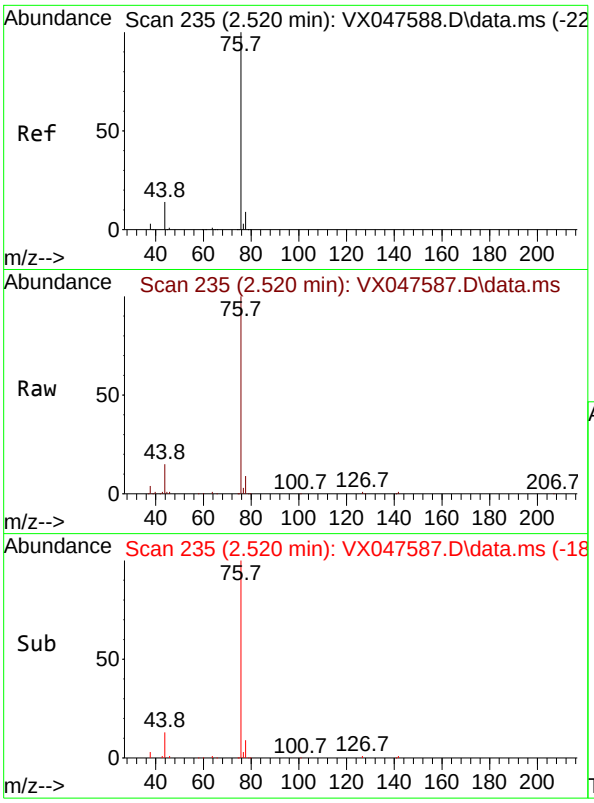


#16
Acetone
Concen: 115.507 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 151538

Ion	Ratio	Lower	Upper
43	100		
58	29.3	23.4	35.0

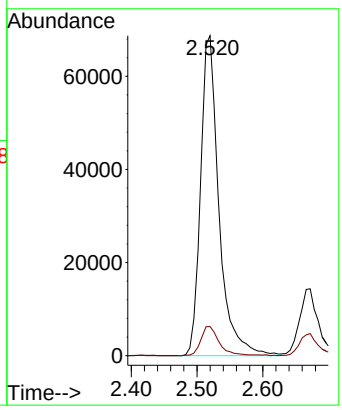




#17
Carbon Disulfide
Concen: 21.620 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 76 Resp: 13329

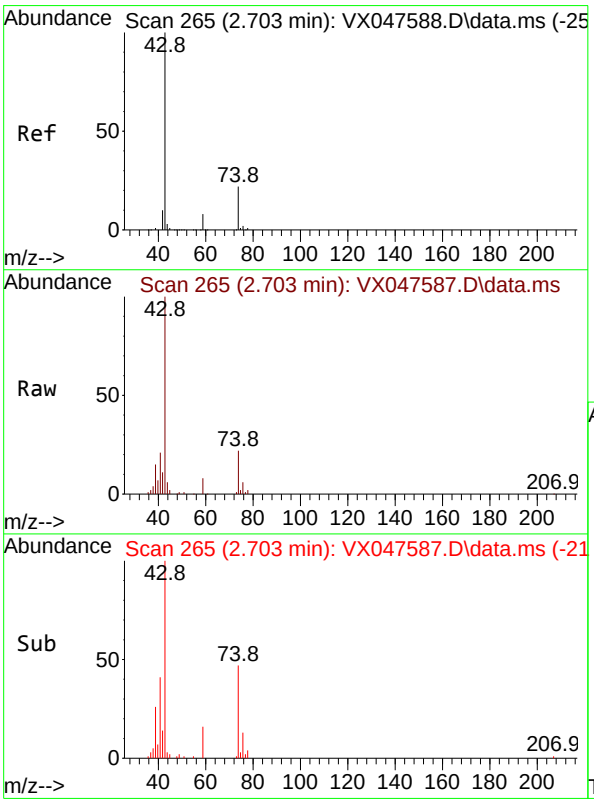
Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

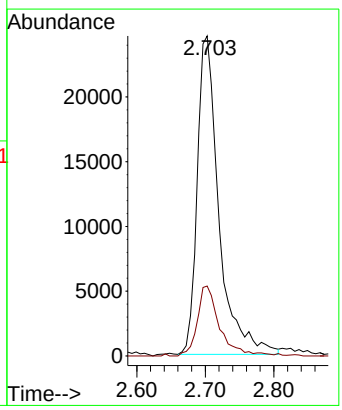
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

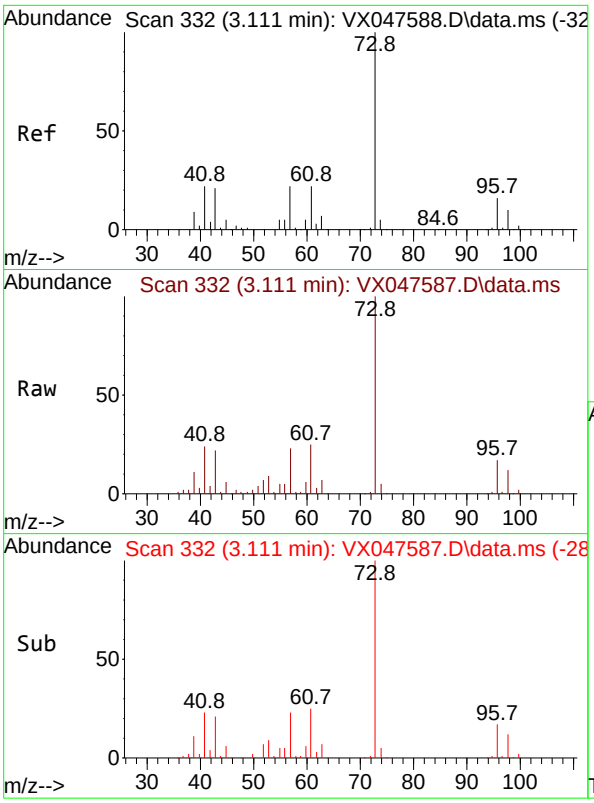


#18
Methyl Acetate
Concen: 18.536 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 54120

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2

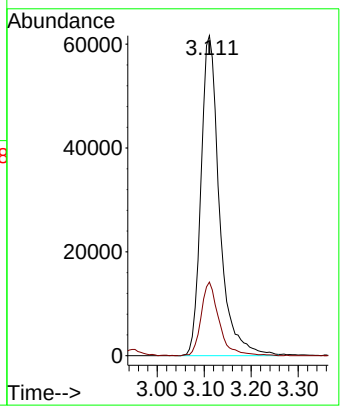




#19
Methyl tert-butyl Ether
Concen: 20.486 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 73 Resp: 16842

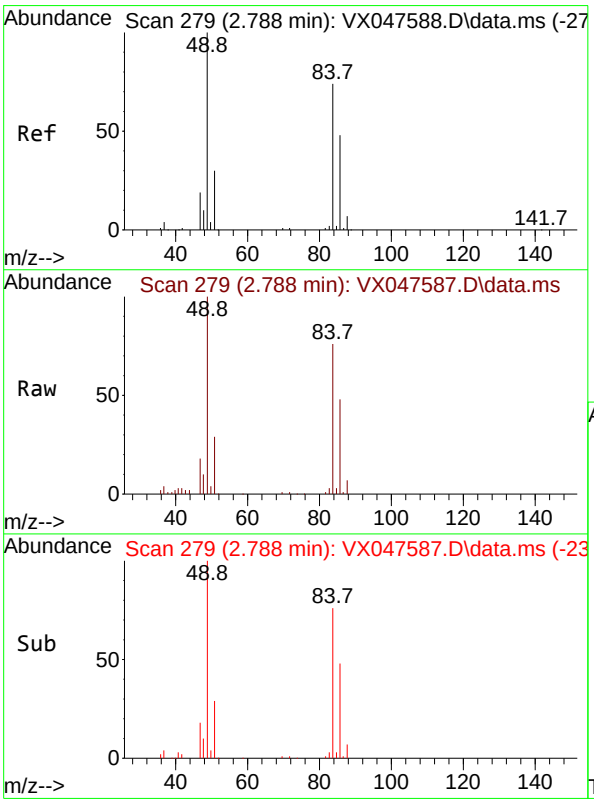
Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

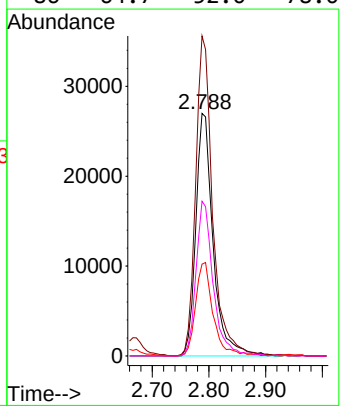
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

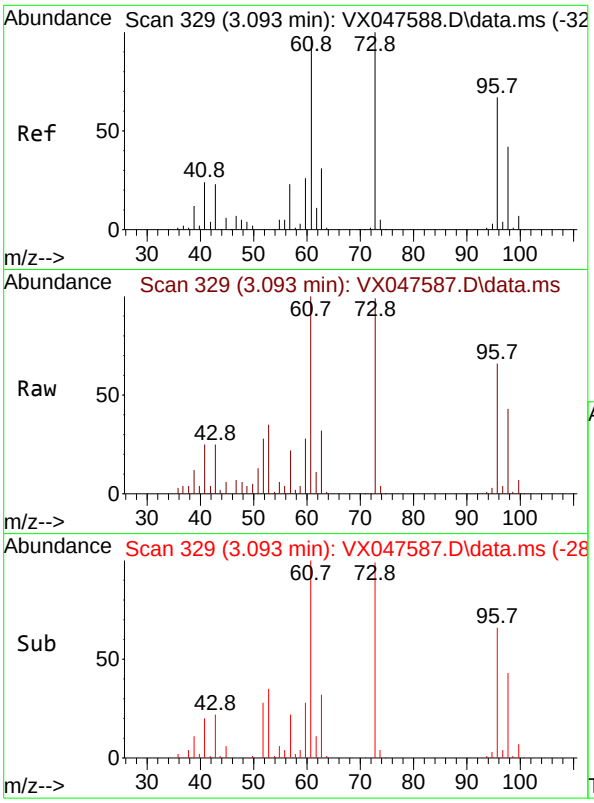


#20
Methylene Chloride
Concen: 20.581 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 84 Resp: 57153

Ion	Ratio	Lower	Upper
84	100		
49	131.7	108.6	162.8
51	37.9	32.6	48.8
86	64.7	52.0	78.0

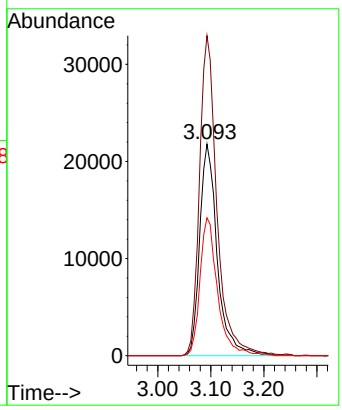




#21
trans-1,2-Dichloroethene
Concen: 20.791 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 96 Resp: 5041

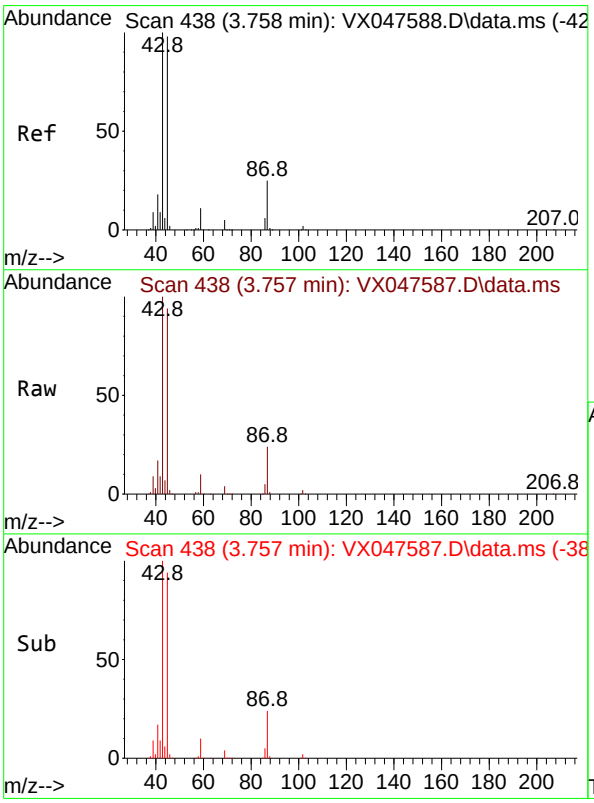
Ion	Ratio	Lower	Upper
96	100		
61	151.3	116.2	174.2
98	67.2	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

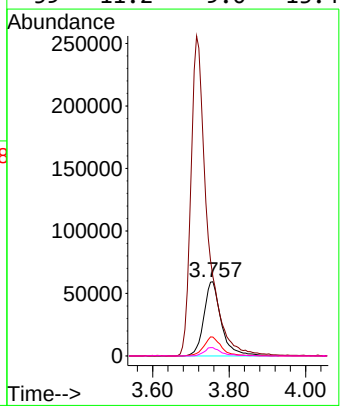
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

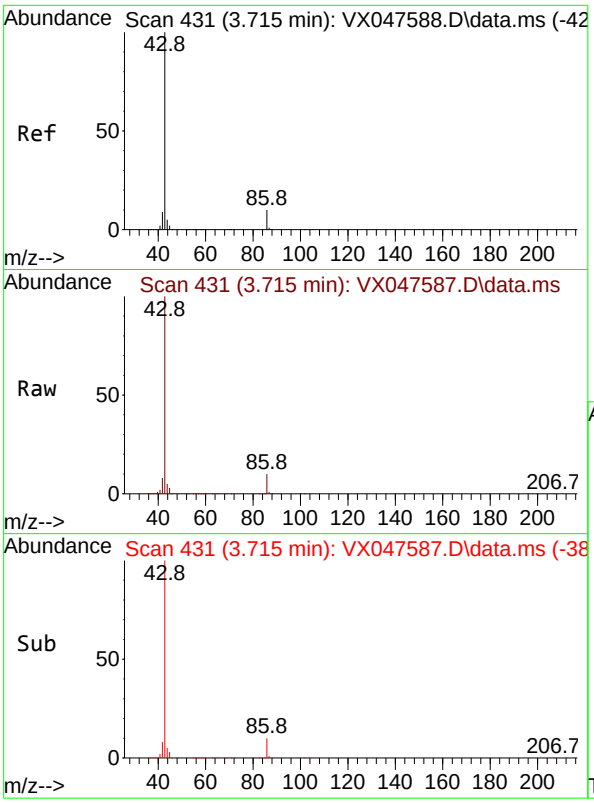


#22
Diisopropyl ether
Concen: 20.940 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 45 Resp: 188598

Ion	Ratio	Lower	Upper
45	100		
43	106.1	81.0	121.4
87	25.5	20.3	30.5
59	11.2	9.0	13.4





#23
Vinyl Acetate
Concen: 106.218 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

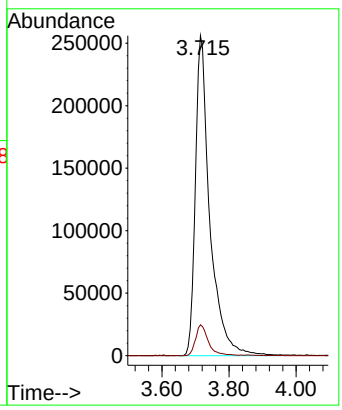
Tgt Ion: 43 Resp: 76567

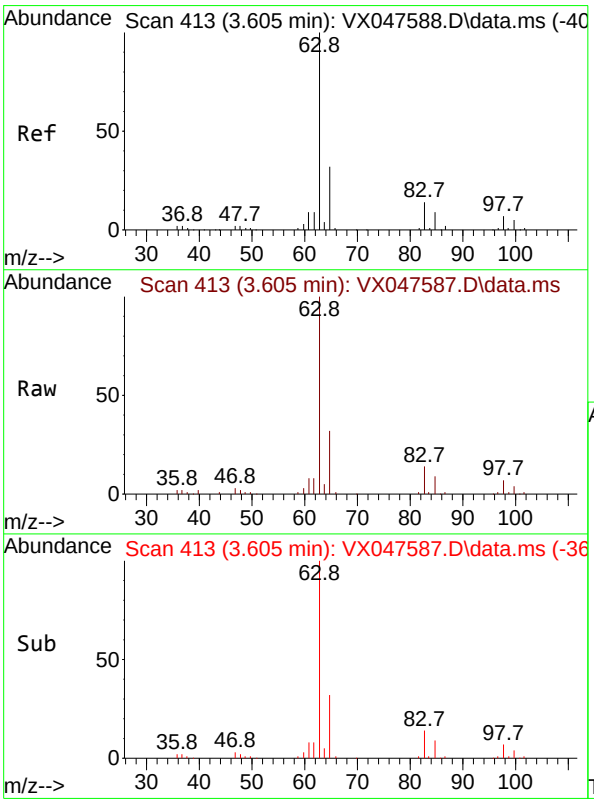
Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

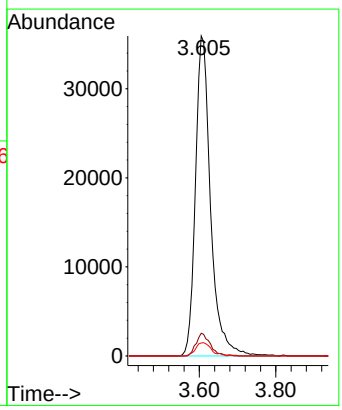


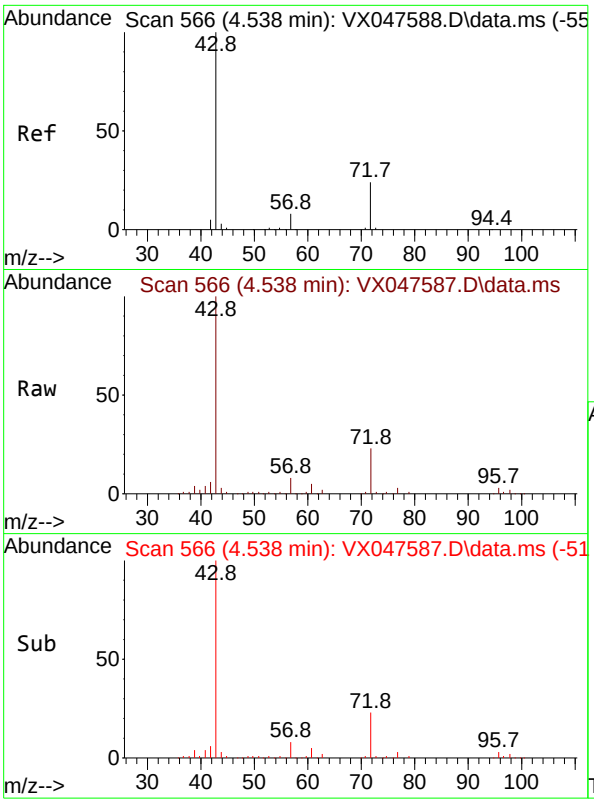


#24
1,1-Dichloroethane
Concen: 20.578 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 63 Resp: 98509

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.8	11.2
100	4.1	2.3	6.9





#25
2-Butanone
Concen: 109.679 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

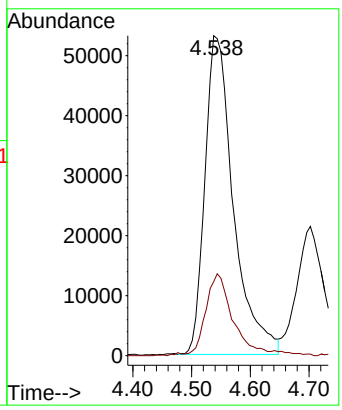
Tgt Ion: 43 Resp: 17948

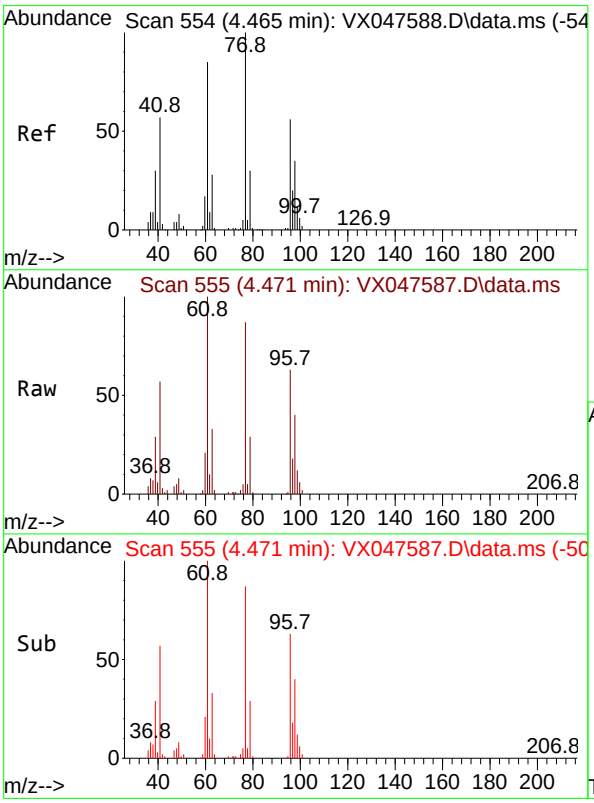
Ion	Ratio	Lower	Upper
43	100		
72	22.3	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

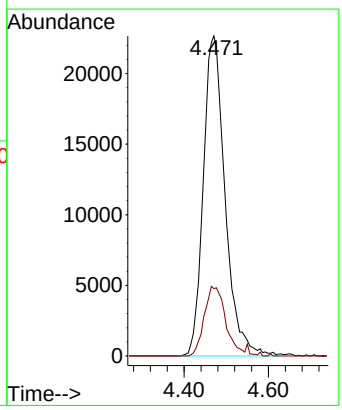


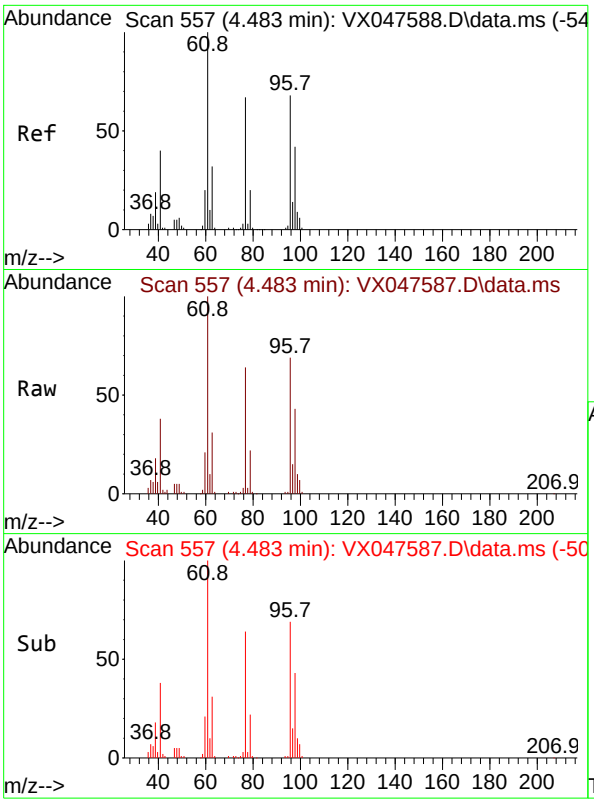


#26
2,2-Dichloropropane
Concen: 20.459 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 77 Resp: 81413

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.9	32.7





#27
cis-1,2-Dichloroethene
Concen: 20.497 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

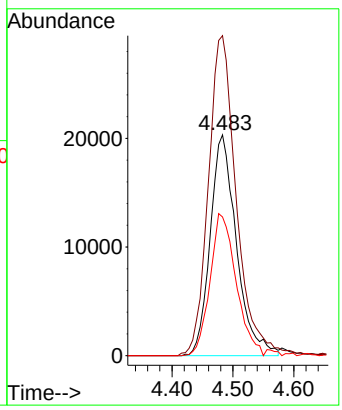
Tgt Ion: 96 Resp: 6086

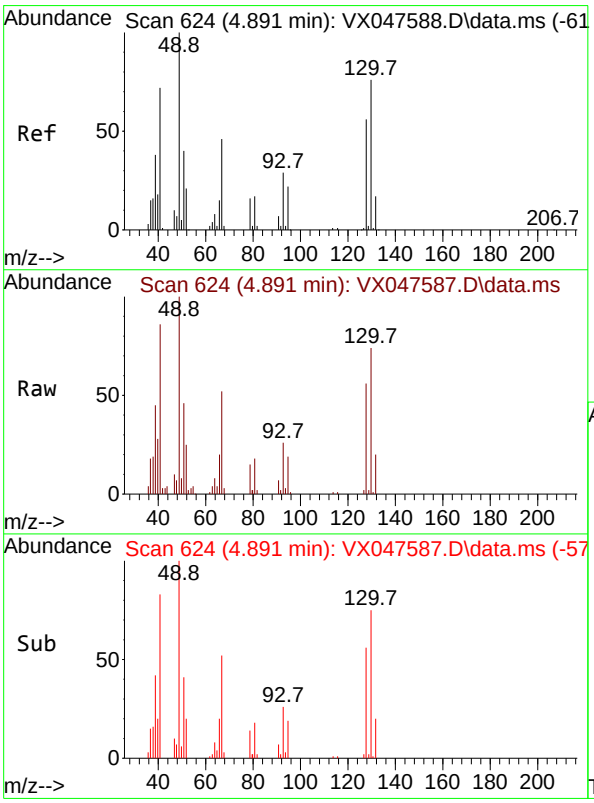
Ion	Ratio	Lower	Upper
96	100		
61	154.8	0.0	303.2
98	63.7	0.0	127.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

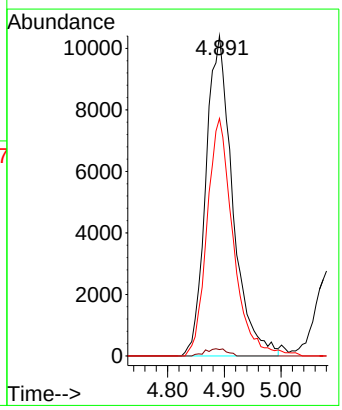


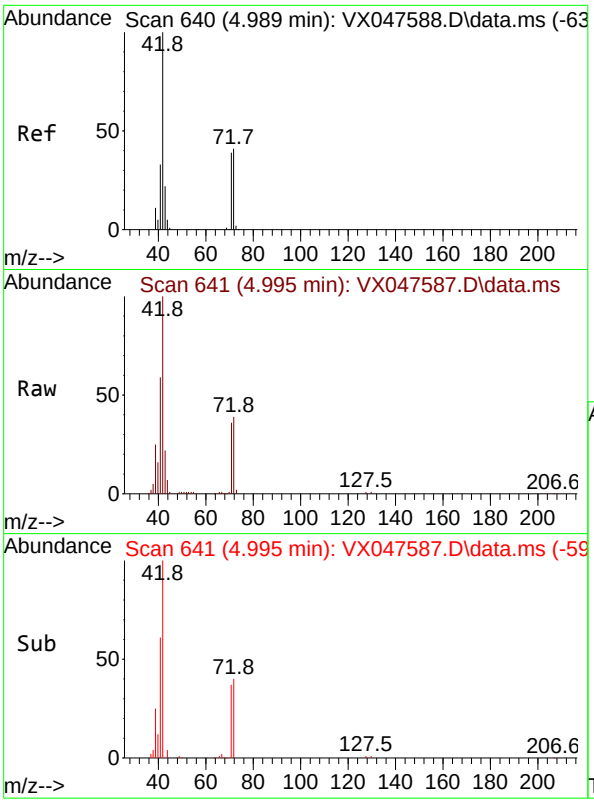


#28
Bromochloromethane
Concen: 16.309 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 49 Resp: 34085

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.2
130	72.7	57.8	86.8





#29
Tetrahydrofuran
Concen: 104.560 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

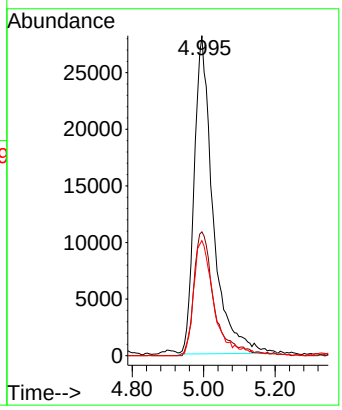
Tgt Ion: 42 Resp: 10293

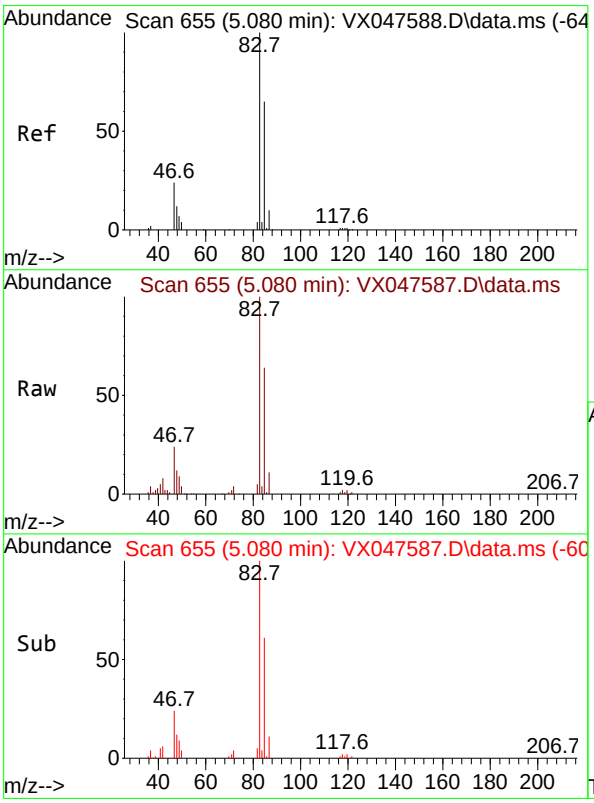
Ion	Ratio	Lower	Upper
42	100		
72	41.5	34.2	51.2
71	37.8	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

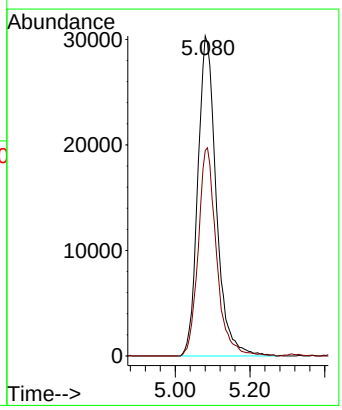


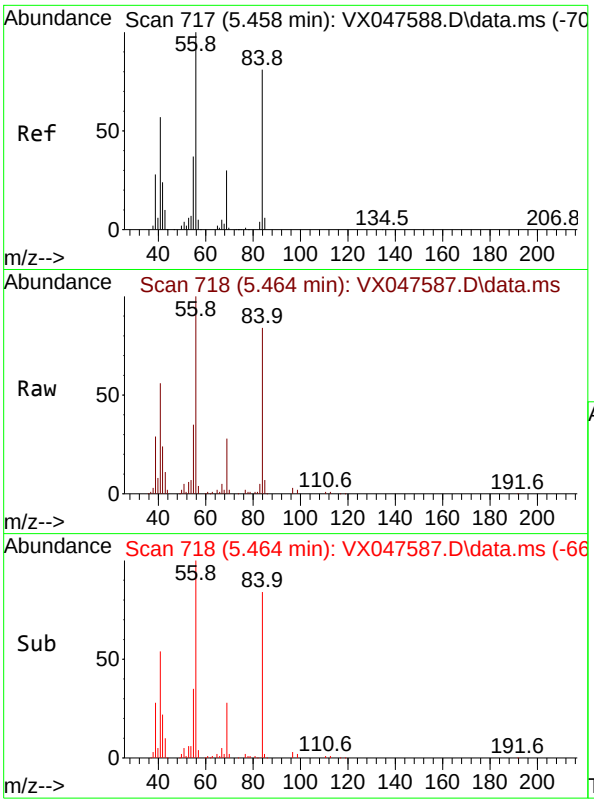


#30
Chloroform
Concen: 21.413 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 83 Resp: 103586

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.8	77.6





#31
Cyclohexane
Concen: 20.759 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

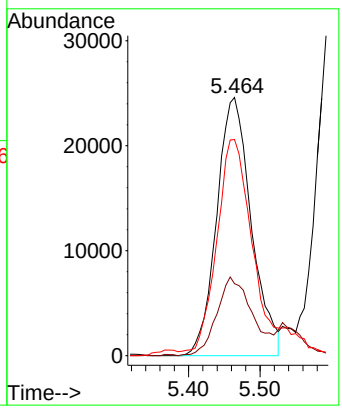
Tgt Ion: 56 Resp: 8277

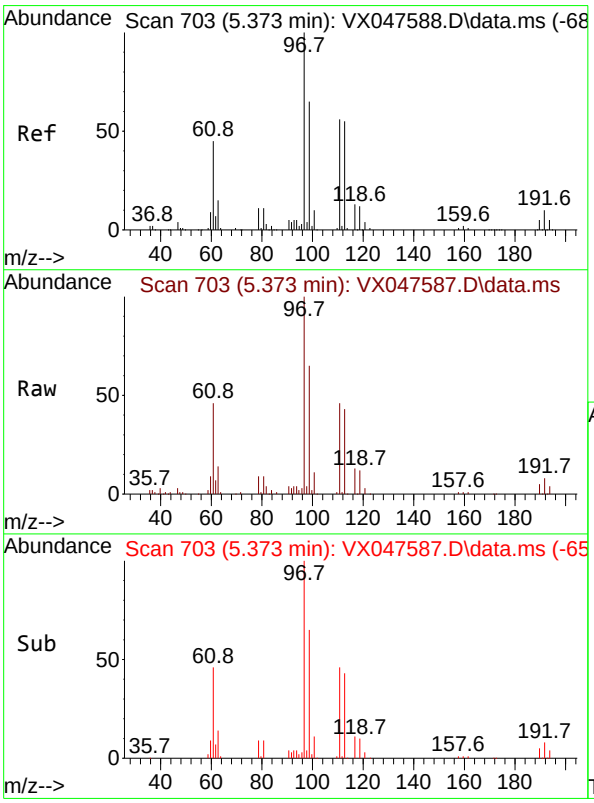
Ion	Ratio	Lower	Upper
56	100		
69	27.9	23.8	35.8
84	82.2	64.6	97.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

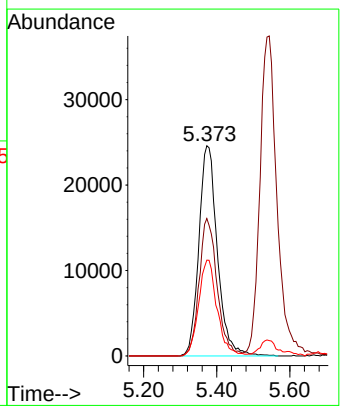


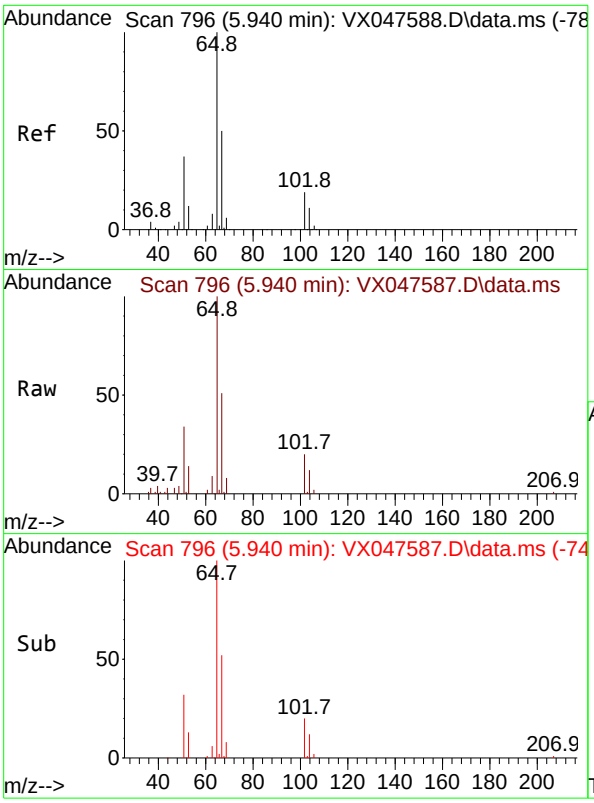


#32
1,1,1-Trichloroethane
Concen: 21.081 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 97 Resp: 86500

Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.6	76.0
61	45.5	35.8	53.8

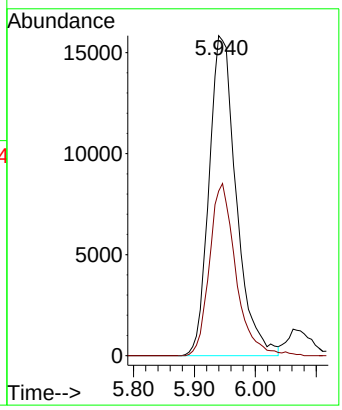




#33
1,2-Dichloroethane-d4
Concen: 16.264 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 65 Resp: 4907

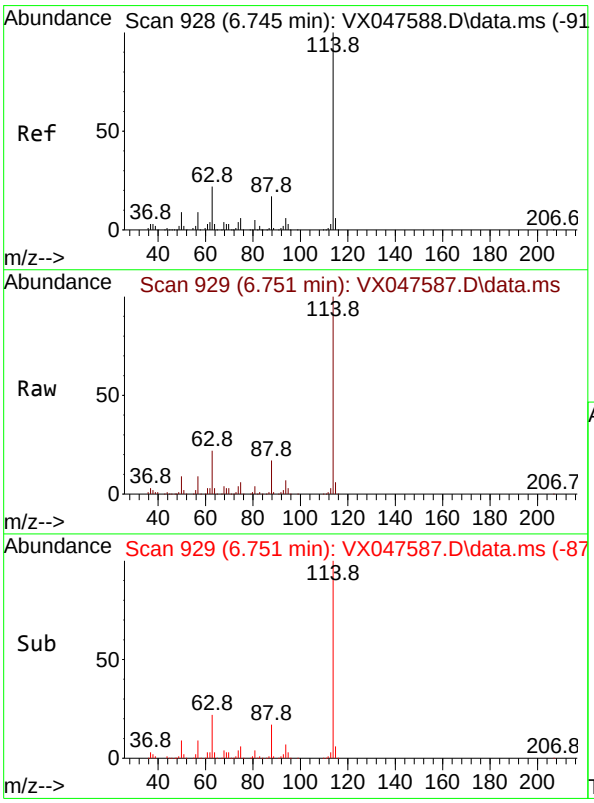
Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

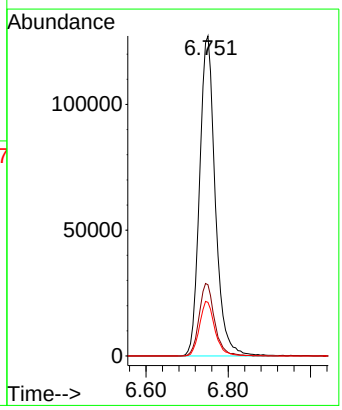
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

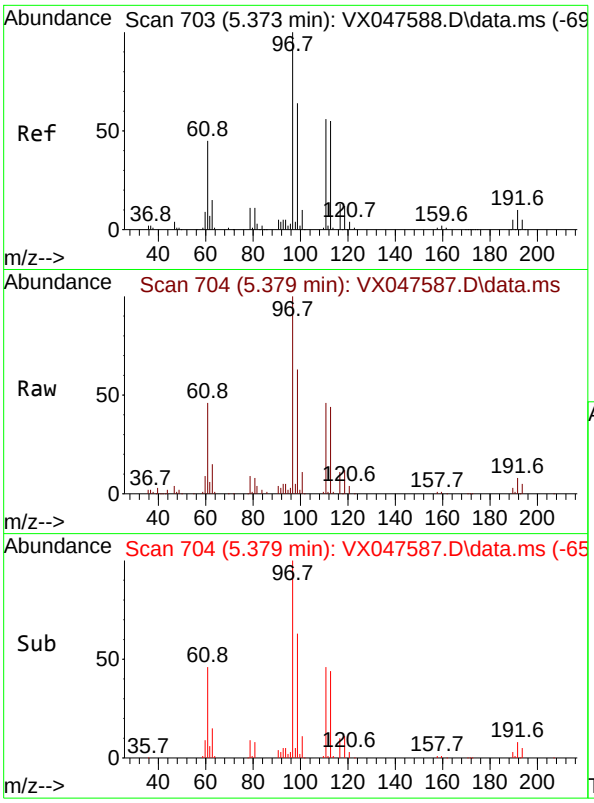


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:114 Resp: 336287

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	16.8	0.0	34.2

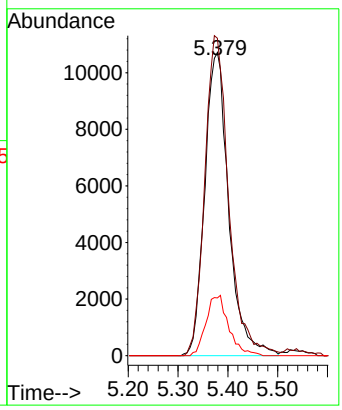




#35
Dibromofluoromethane
Concen: 15.868 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:113 Resp: 3578

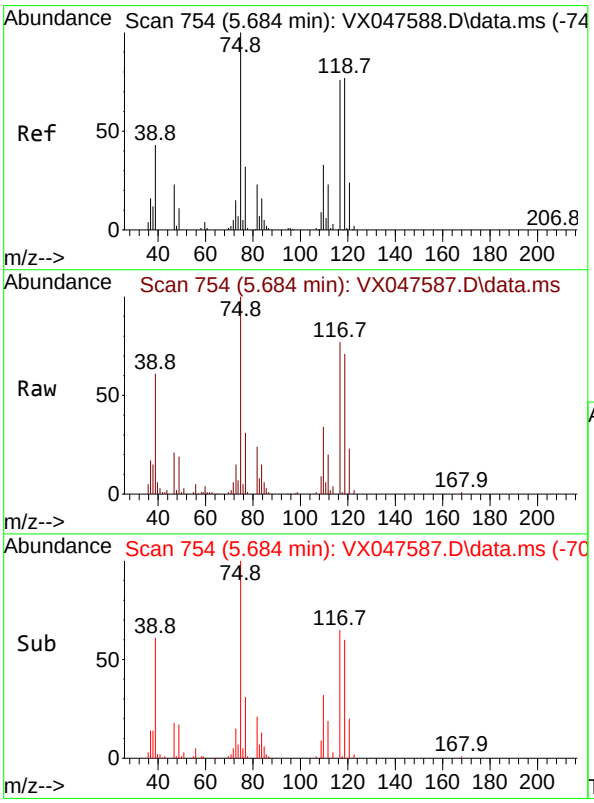
Ion	Ratio	Lower	Upper
113	100		
111	105.7	80.9	121.3
192	18.8	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

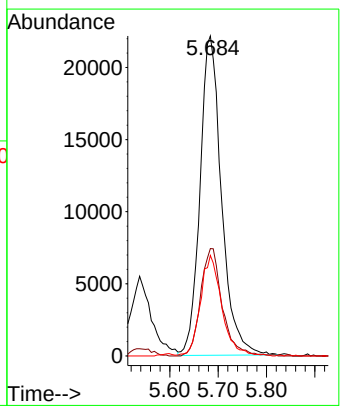
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

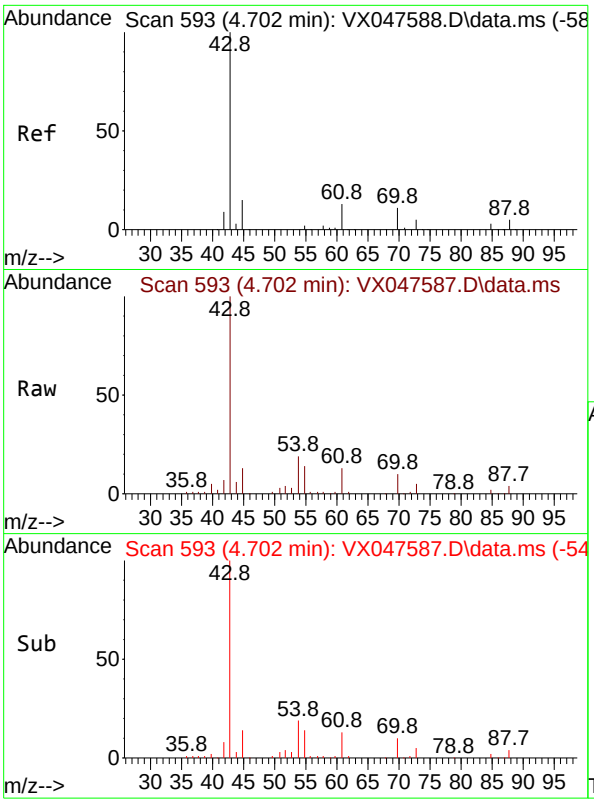


#36
1,1-Dichloropropene
Concen: 20.754 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 68395

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.7	50.1
77	31.2	24.3	36.5

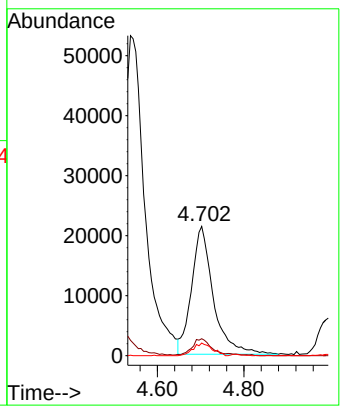




#37
Ethyl Acetate
Concen: 21.113 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 7449

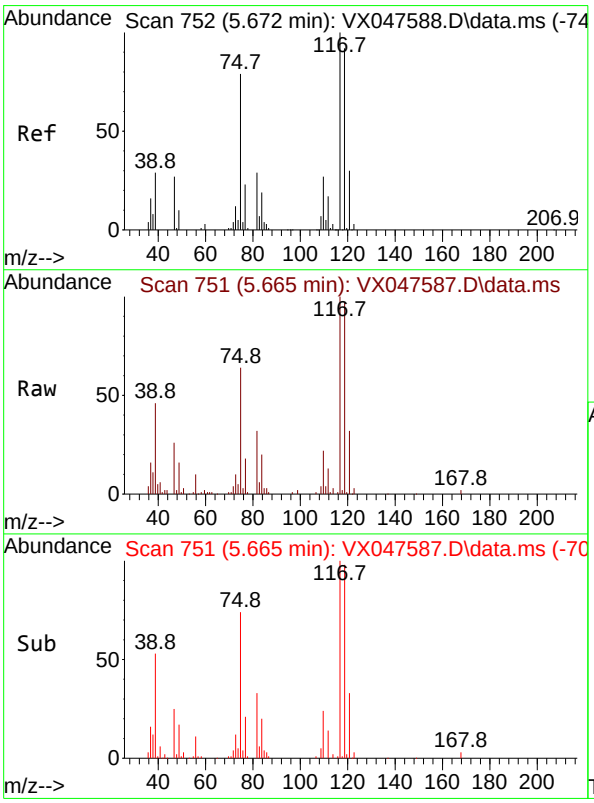
Ion	Ratio	Lower	Upper
43	100		
61	10.8	9.8	14.8
70	8.5	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

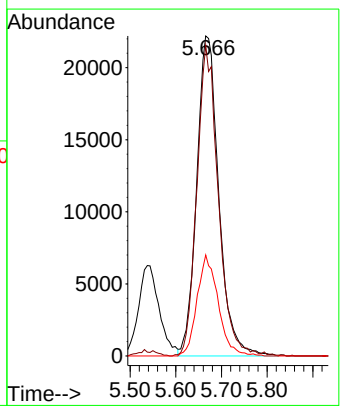
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

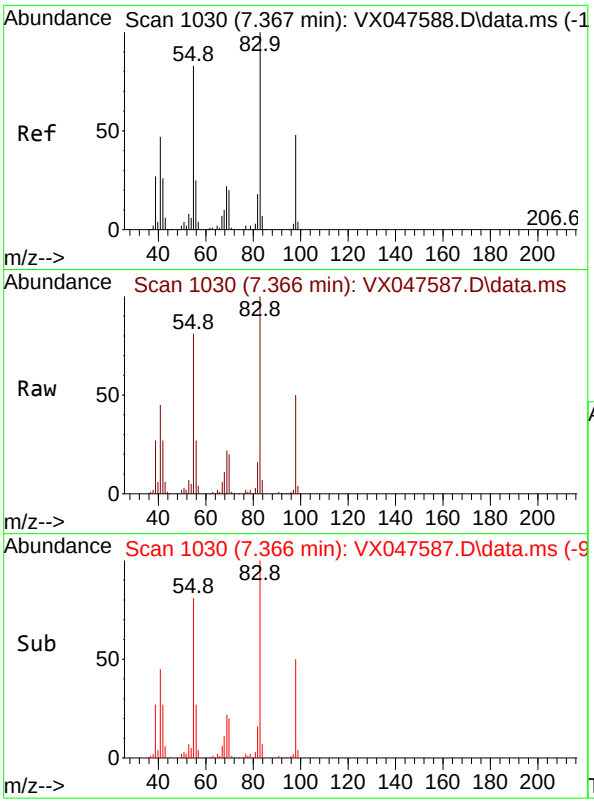


#38
Carbon Tetrachloride
Concen: 20.844 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:117 Resp: 74636

Ion	Ratio	Lower	Upper
117	100		
119	96.9	73.4	110.2
121	31.6	23.8	35.6





#39
Methylcyclohexane
Concen: 21.251 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

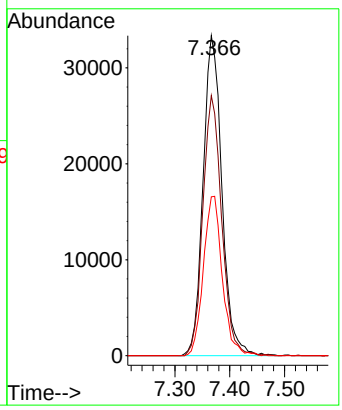
Tgt Ion: 83 Resp: 7949

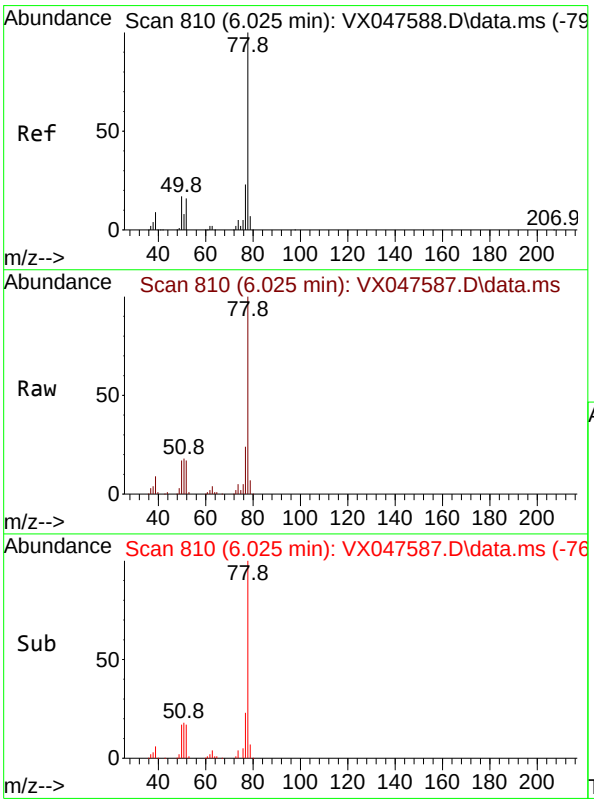
Ion	Ratio	Lower	Upper
83	100		
55	81.2	66.4	99.6
98	49.6	38.1	57.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

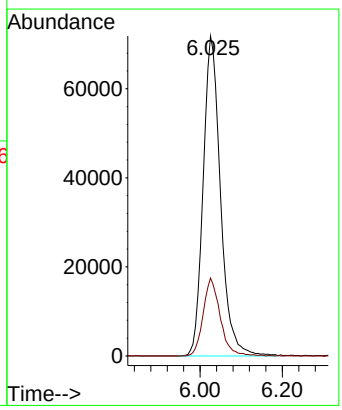


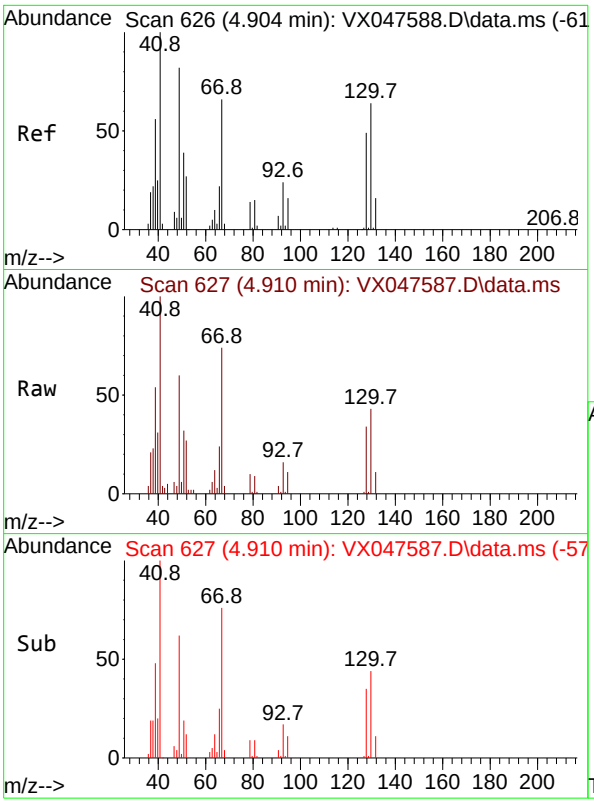


#40
Benzene
Concen: 21.051 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 78 Resp: 210711

Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.8	28.2

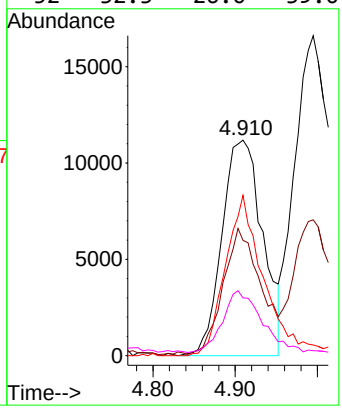




#41
Methacrylonitrile
Concen: 21.148 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 41 Resp: 3852

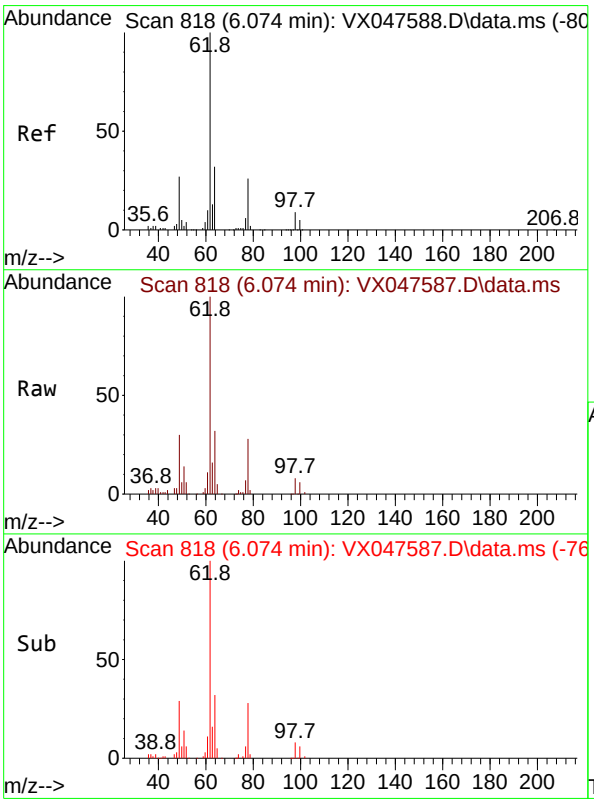
Ion	Ratio	Lower	Upper
41	100		
39	53.8	43.3	64.9
67	72.5	58.6	87.8
52	32.3	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

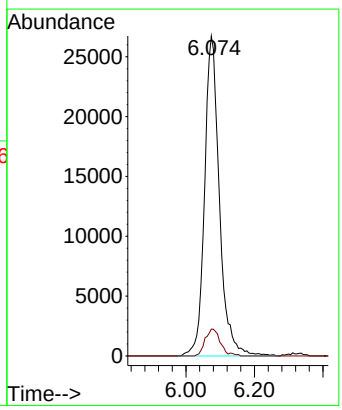
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

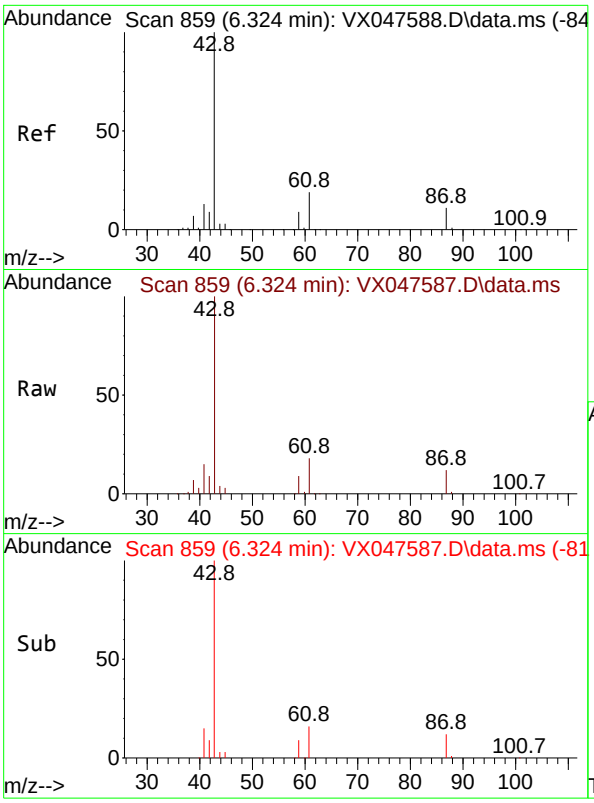


#42
1,2-Dichloroethane
Concen: 21.175 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 62 Resp: 80646

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0

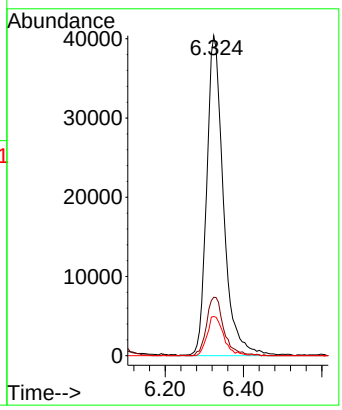




#43
Isopropyl Acetate
Concen: 20.670 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 11962

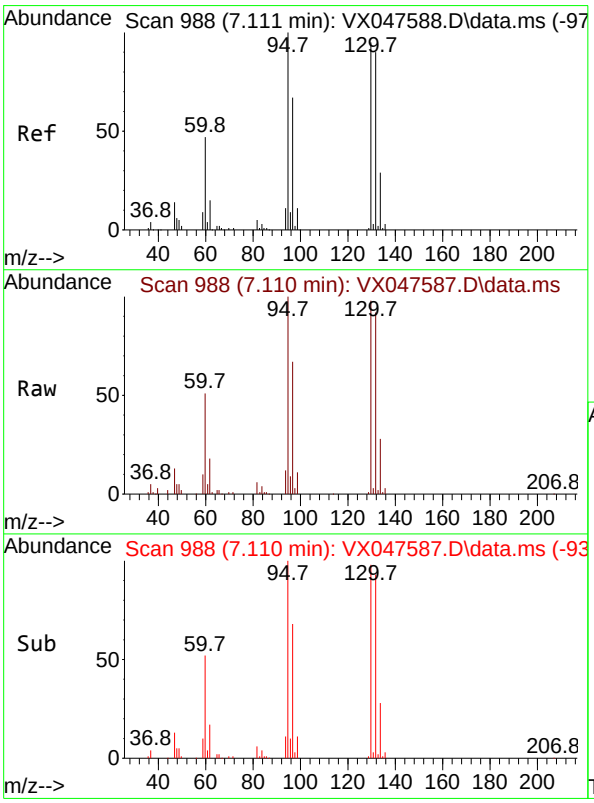
Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.2	22.8
87	12.1	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

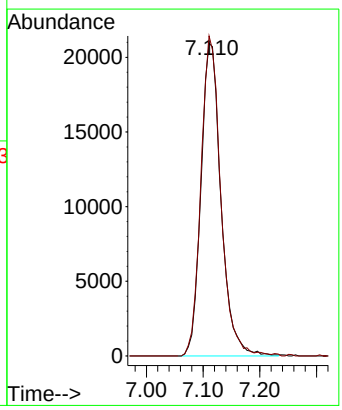
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

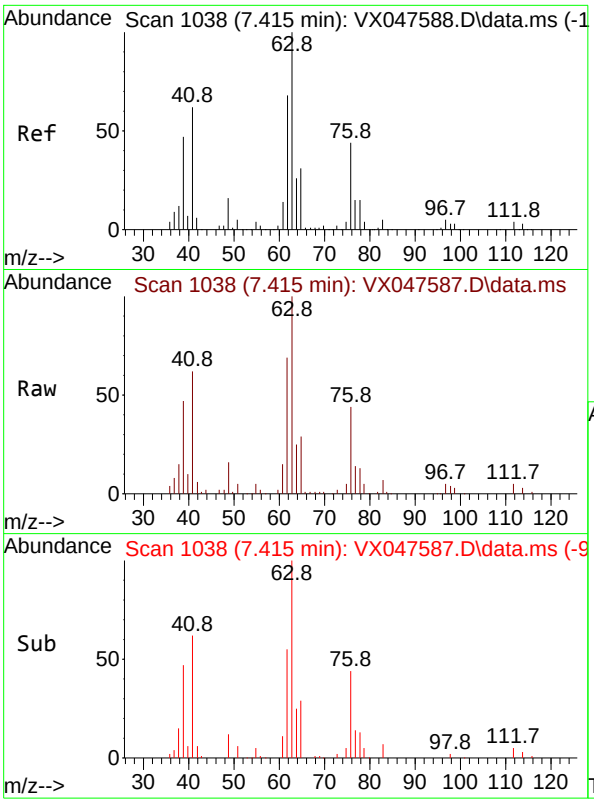


#44
Trichloroethene
Concen: 21.228 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:130 Resp: 51369

Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	210.8





#45
1,2-Dichloropropane
Concen: 20.697 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

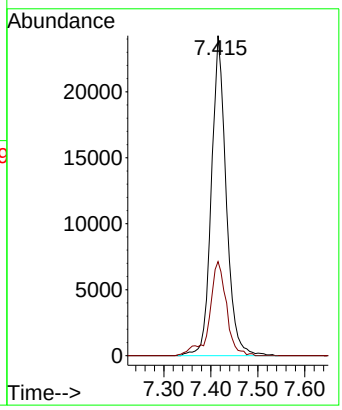
Tgt Ion: 63 Resp: 5304

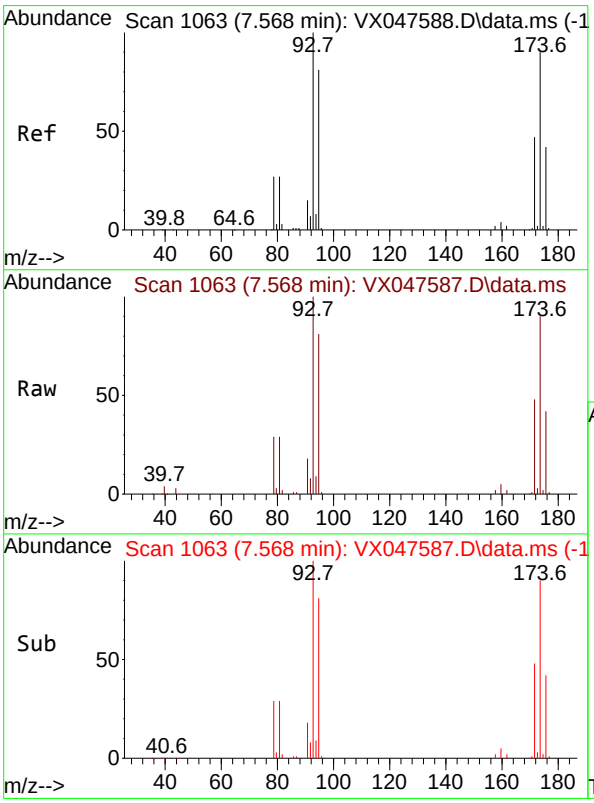
Ion	Ratio	Lower	Upper
63	100		
65	29.4	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

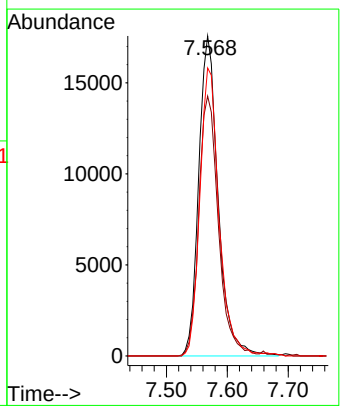


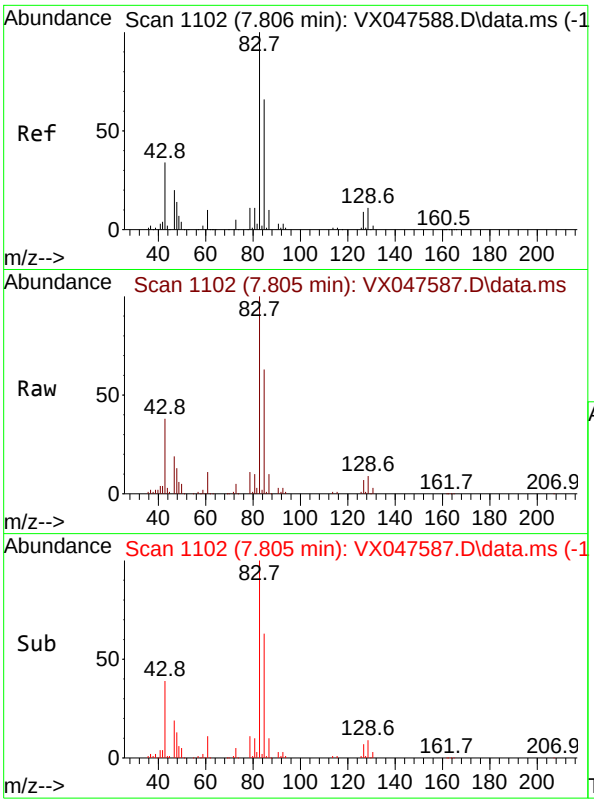


#46
Dibromomethane
Concen: 20.862 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 93 Resp: 38910

Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.0	97.6
174	89.2	71.6	107.4

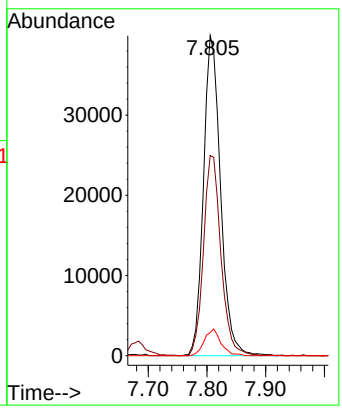




#47
Bromodichloromethane
Concen: 21.002 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 83 Resp: 8083

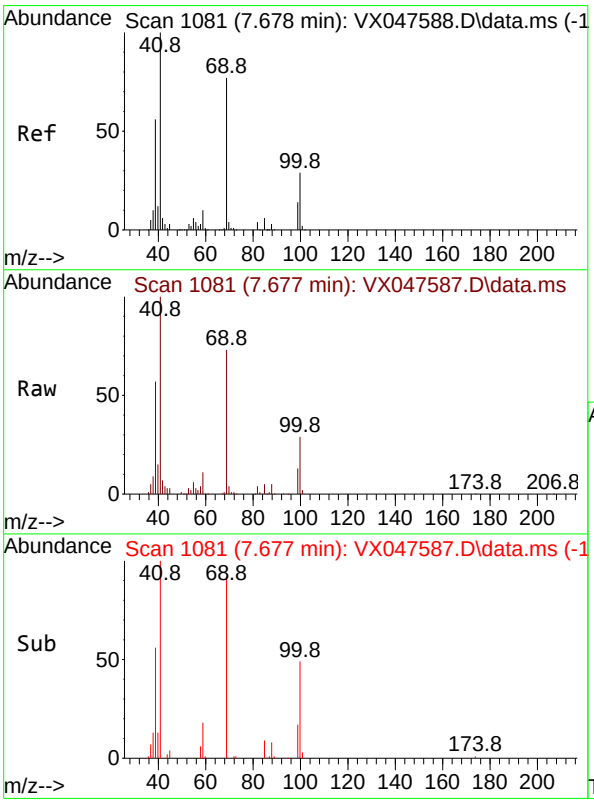
Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.5	78.7
127	8.2	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

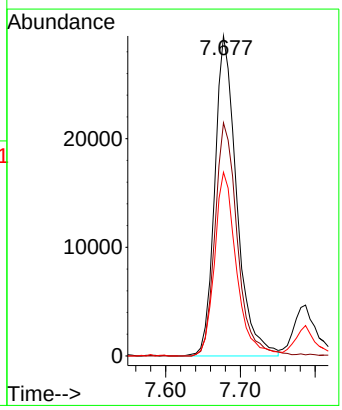
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

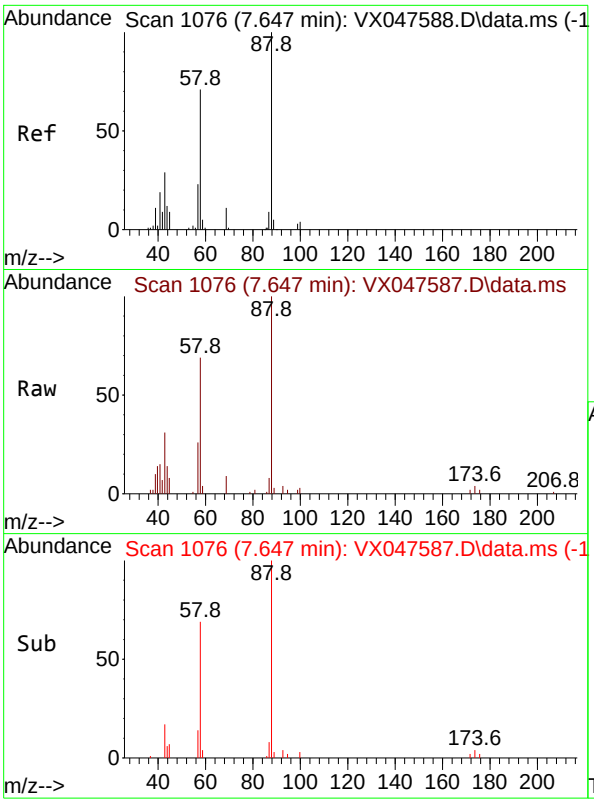


#48
Methyl methacrylate
Concen: 20.877 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 41 Resp: 60182

Ion	Ratio	Lower	Upper
41	100		
69	74.2	61.4	92.2
39	57.2	45.8	68.6





#49
1,4-Dioxane
Concen: 413.530 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

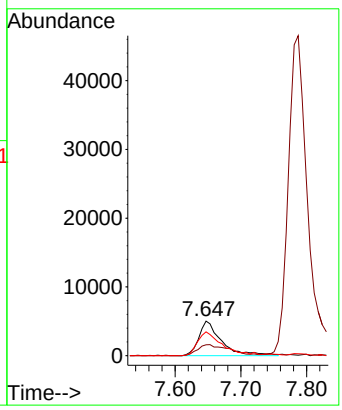
Tgt Ion: 88 Resp: 1204

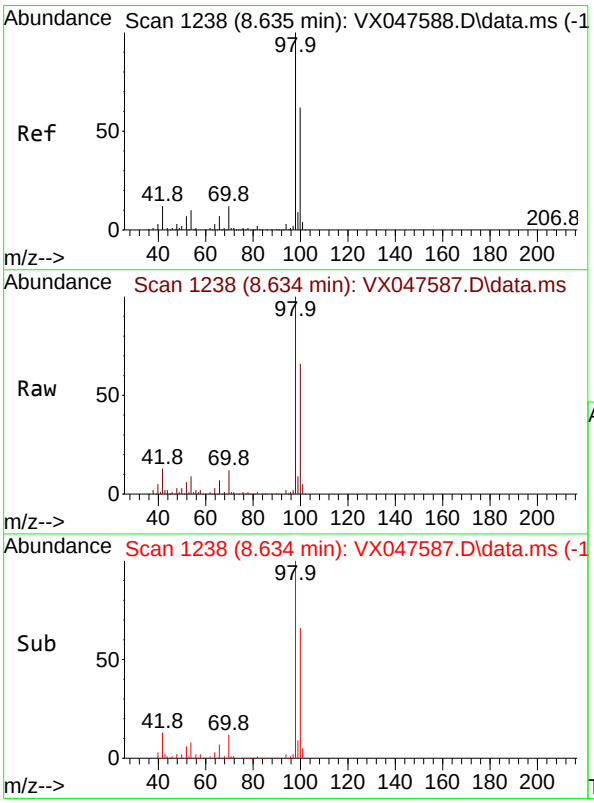
Ion	Ratio	Lower	Upper
88	100		
43	44.7	30.2	45.2
58	75.8	59.5	89.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

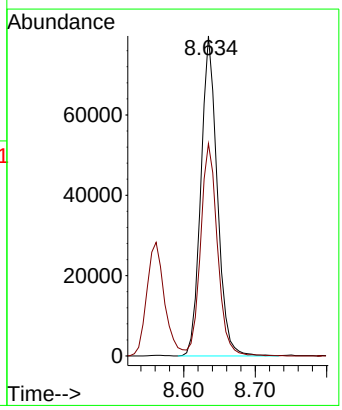


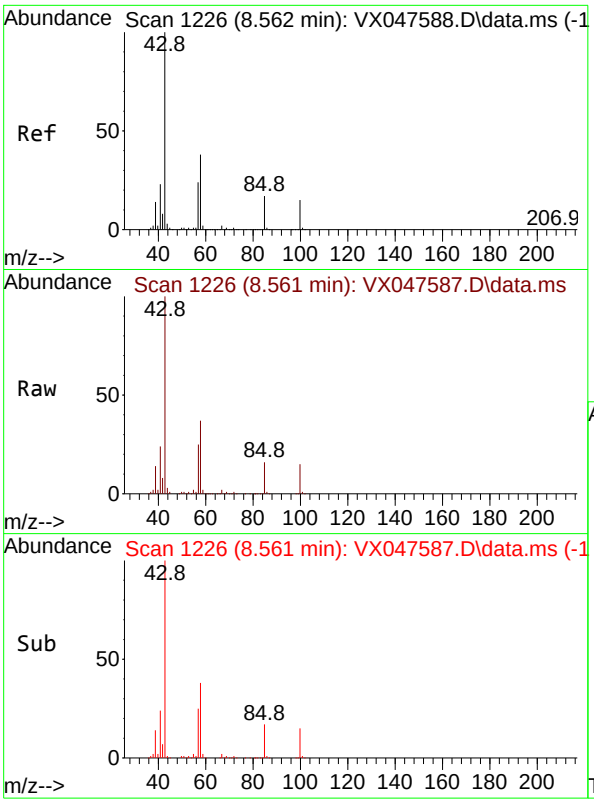


#50
Toluene-d8
Concen: 16.258 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 98 Resp: 126875

Ion	Ratio	Lower	Upper
98	100		
100	67.9	53.0	79.4

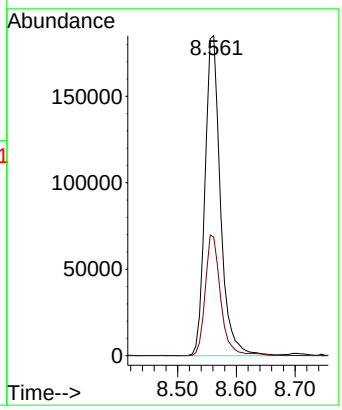




#51
4-Methyl-2-Pentanone
Concen: 105.456 ug/l
RT: 8.561 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 33837

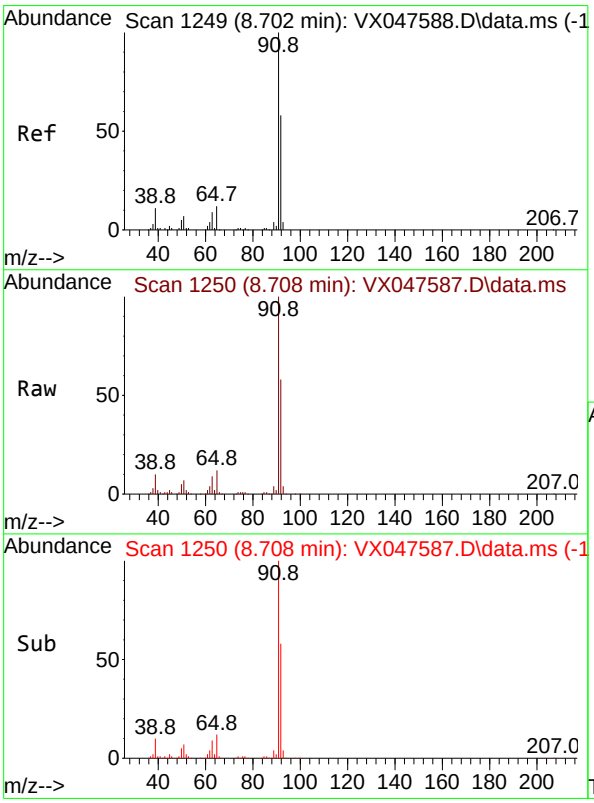
Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

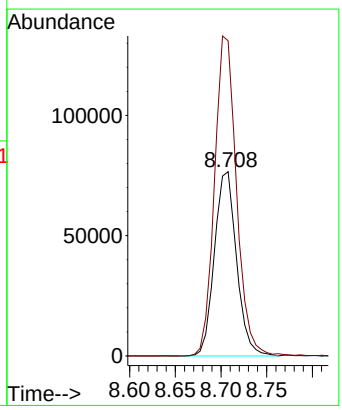
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

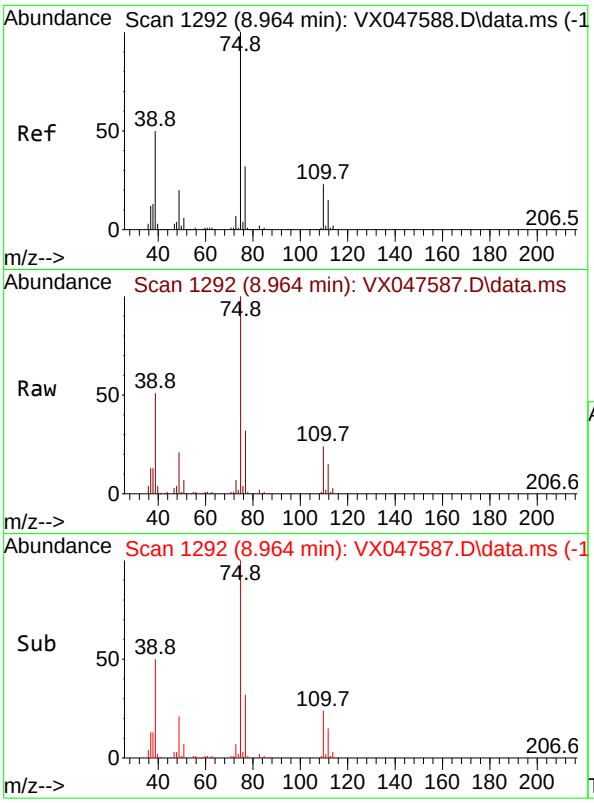


#52
Toluene
Concen: 20.950 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 92 Resp: 129193

Ion	Ratio	Lower	Upper
92	100		
91	173.2	137.1	205.7

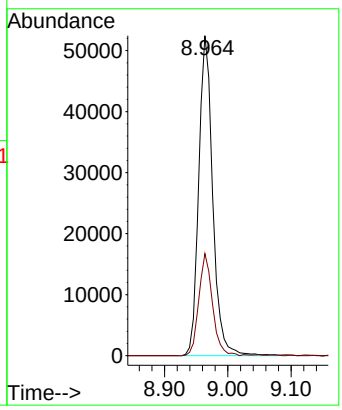




#53
t-1,3-Dichloropropene
Concen: 20.625 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 8097

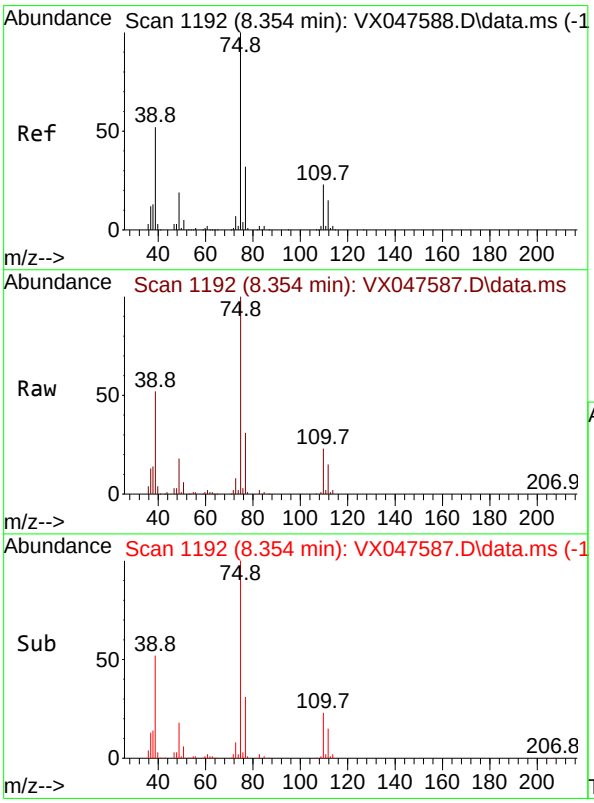
Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

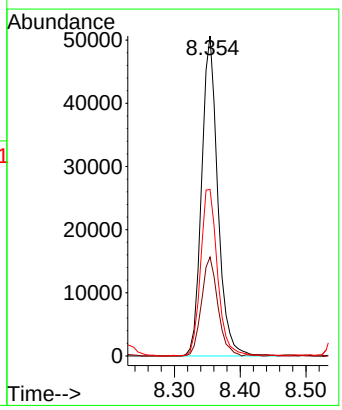
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

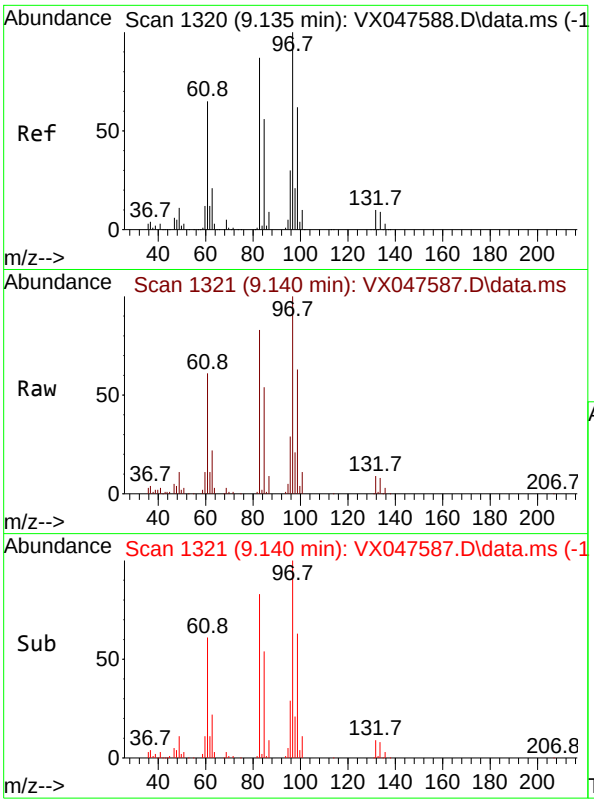


#54
cis-1,3-Dichloropropene
Concen: 20.650 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 86648

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.8	38.6
39	52.0	41.4	62.2

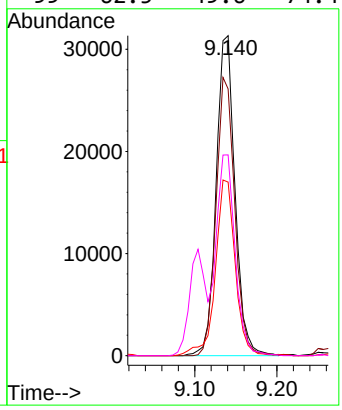




#55
1,1,2-Trichloroethane
Concen: 20.967 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 97 Resp: 4985

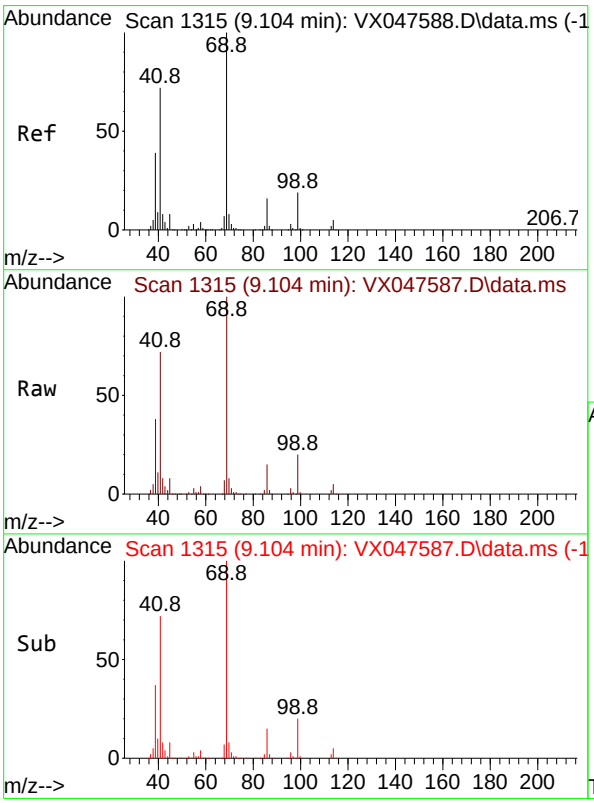
Ion	Ratio	Lower	Upper
97	100		
83	83.3	69.6	104.4
85	55.2	45.0	67.6
99	62.5	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

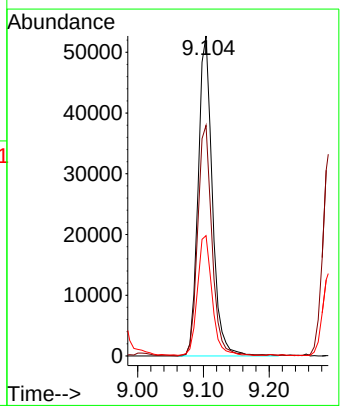
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

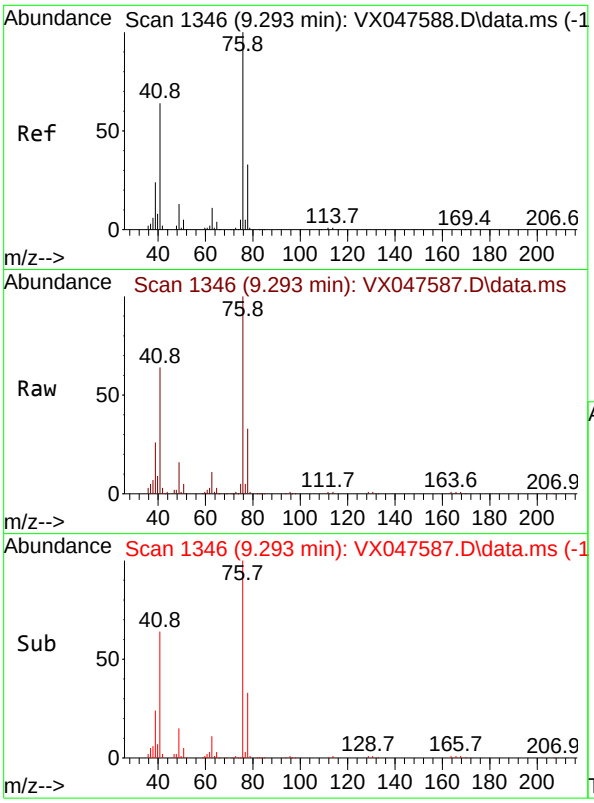


#56
Ethyl methacrylate
Concen: 21.158 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 69 Resp: 79011

Ion	Ratio	Lower	Upper
69	100		
41	72.6	58.6	87.8
39	38.6	31.5	47.3





#57
1,3-Dichloropropane
Concen: 20.934 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

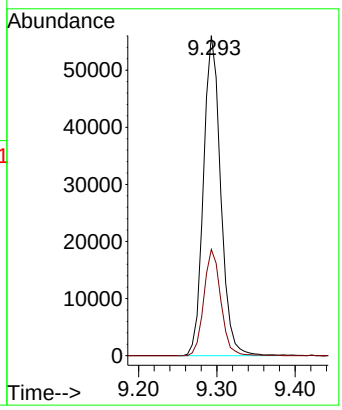
Tgt Ion: 76 Resp: 8551

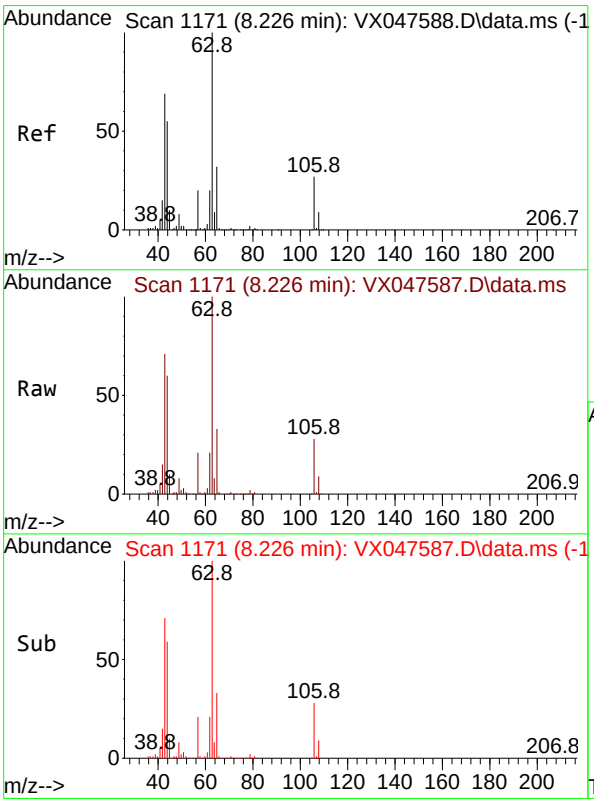
Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.2	39.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

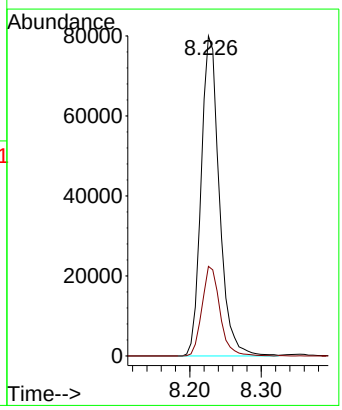


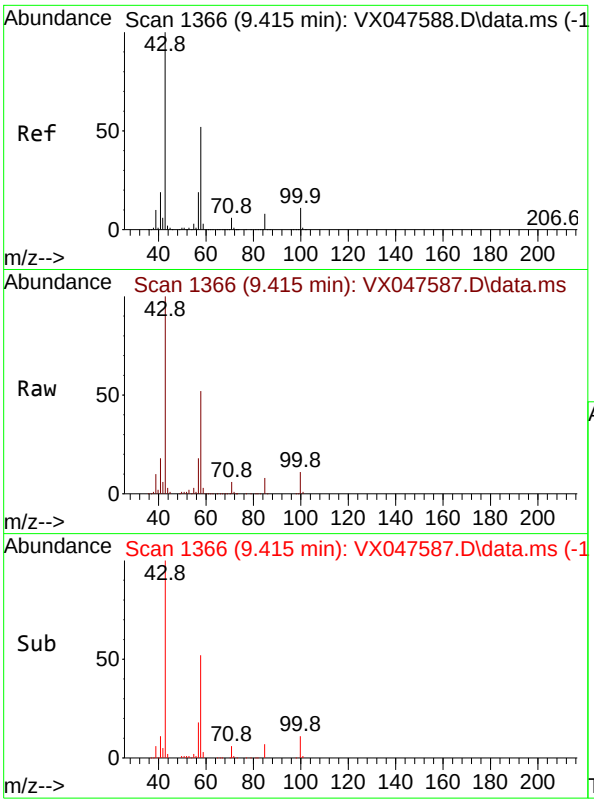


#58
2-Chloroethyl Vinyl ether
Concen: 86.617 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 63 Resp: 141395

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.9	32.9





#59
2-Hexanone
Concen: 108.488 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

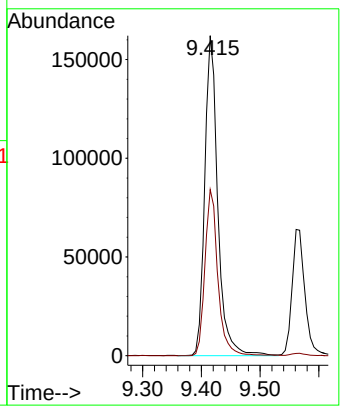
Tgt Ion: 43 Resp: 25000

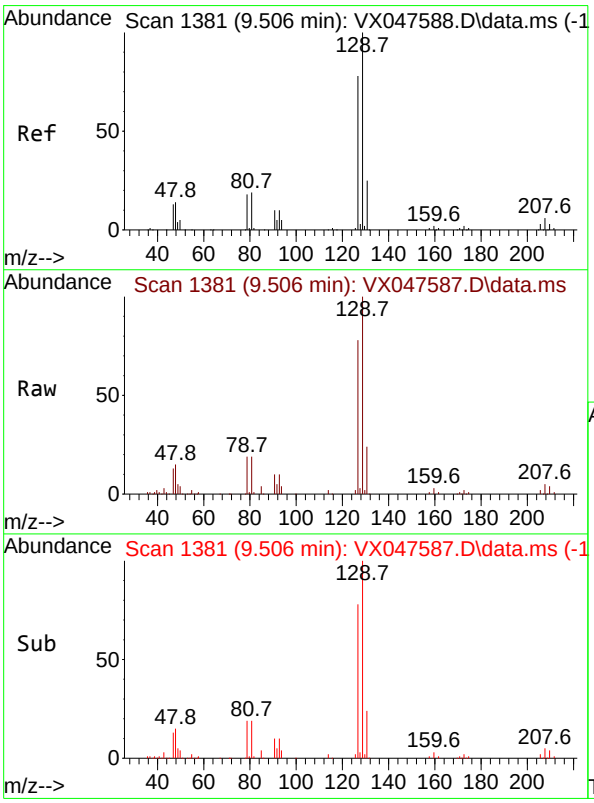
Ion	Ratio	Lower	Upper
43	100		
58	51.4	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

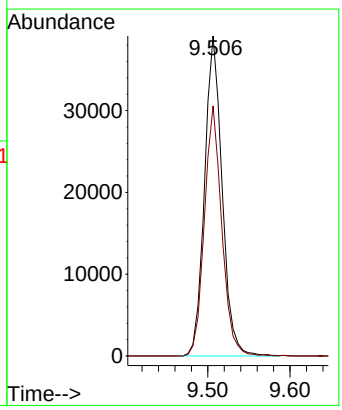


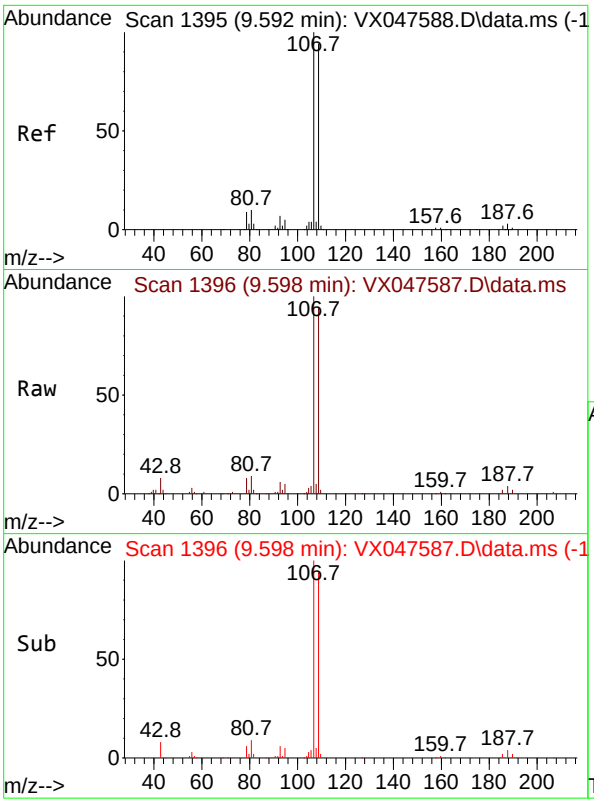


#60
Dibromochloromethane
Concen: 21.167 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:129 Resp: 57994

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.4	115.2

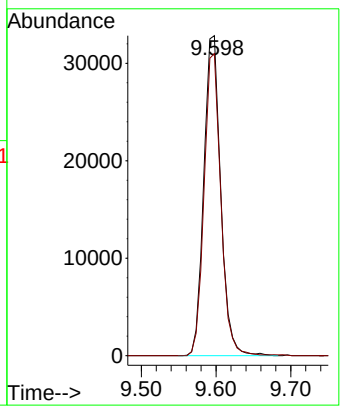




#61
1,2-Dibromoethane
Concen: 21.310 ug/l
RT: 9.598 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:107 Resp: 5161

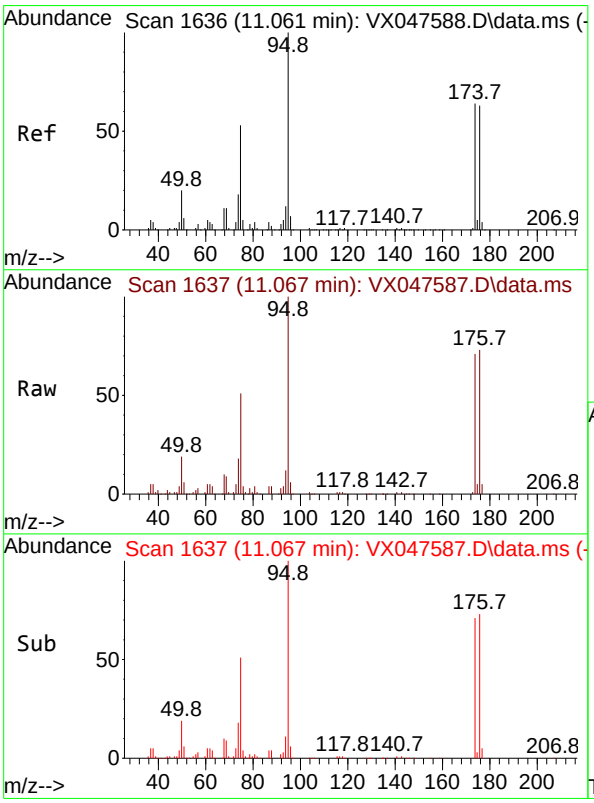
Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

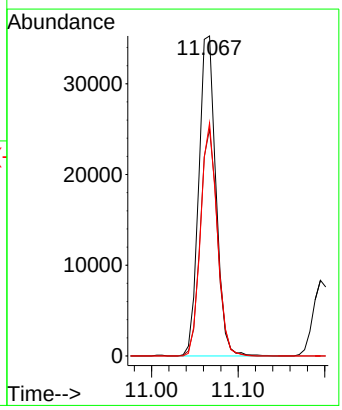
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

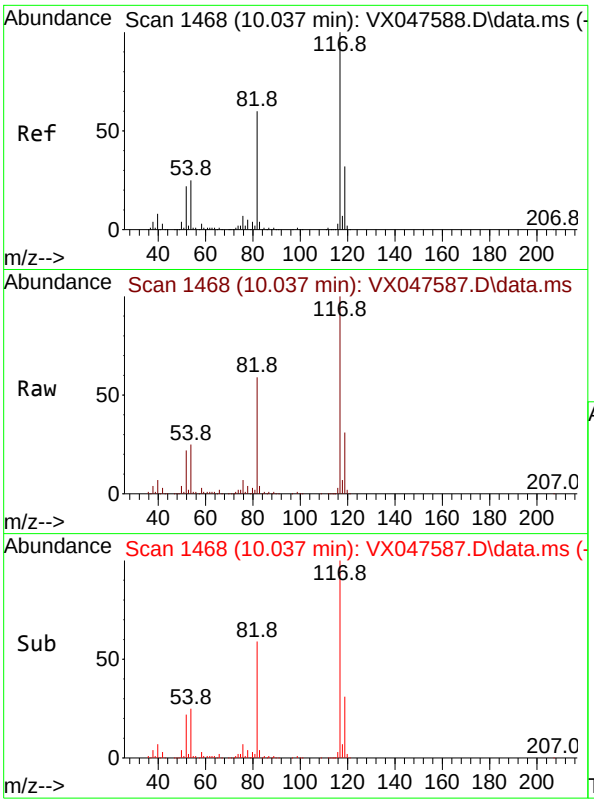


#62
4-Bromofluorobenzene
Concen: 16.360 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 95 Resp: 48454

Ion	Ratio	Lower	Upper
95	100		
174	70.2	0.0	141.6
176	70.3	0.0	138.4

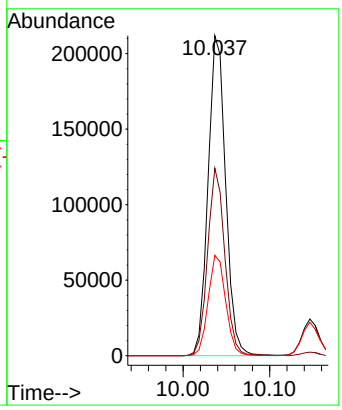




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:117 Resp: 29862

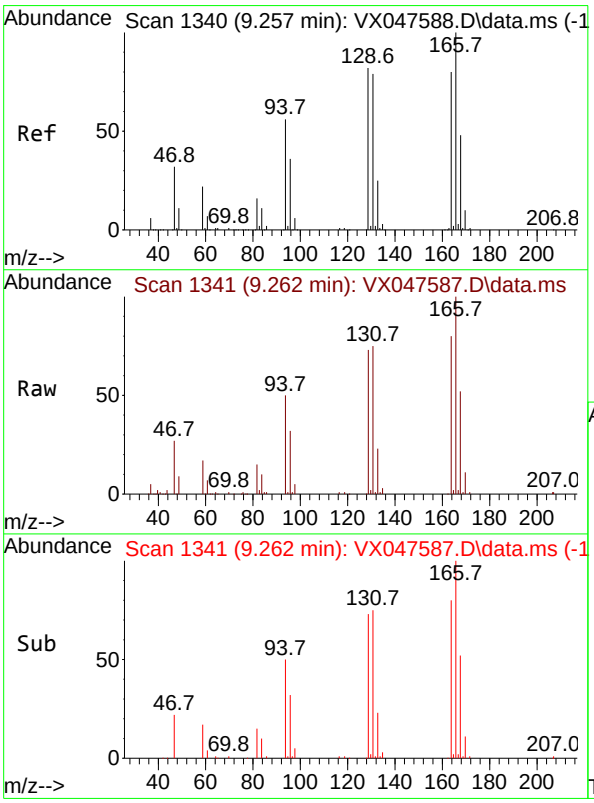
Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.8	71.6
119	31.3	25.2	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

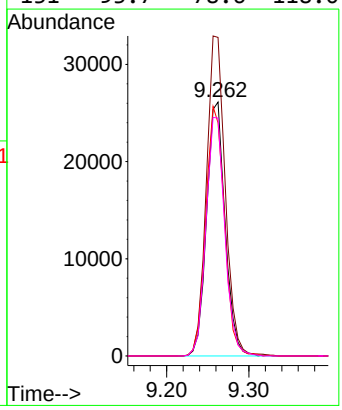
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

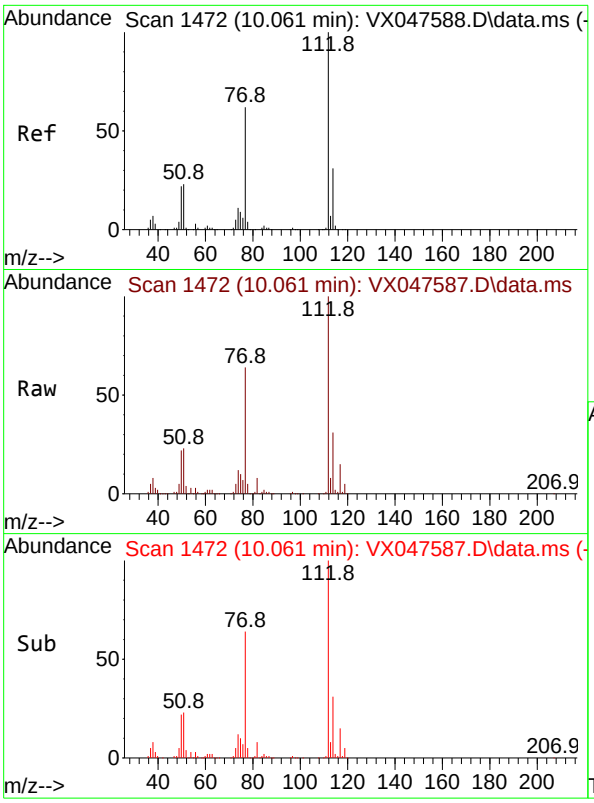


#64
Tetrachloroethene
Concen: 20.979 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:164 Resp: 40840

Ion	Ratio	Lower	Upper
164	100		
166	125.4	100.2	150.2
129	91.8	81.8	122.6
131	93.7	78.6	118.0





#65
Chlorobenzene
Concen: 20.731 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

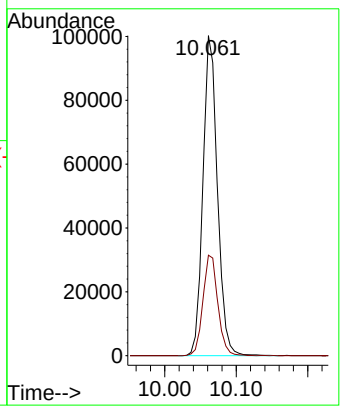
Tgt Ion:112 Resp: 14064

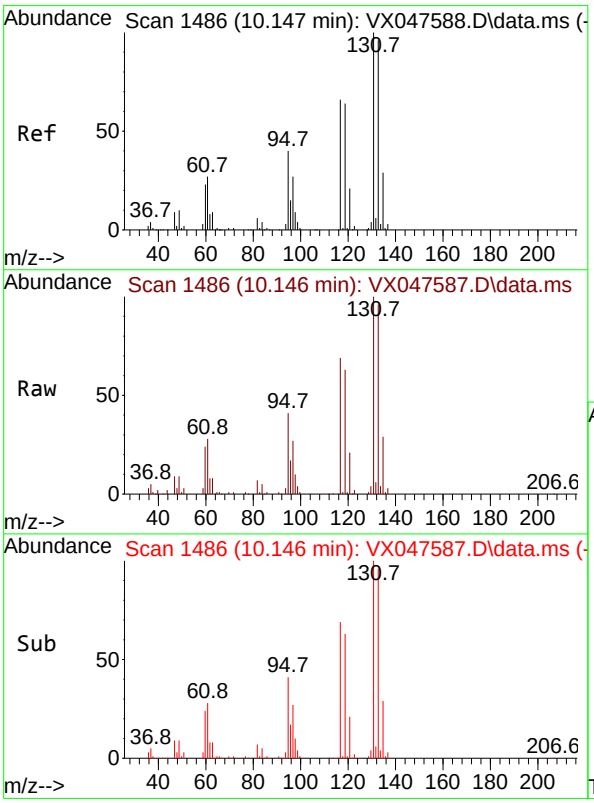
Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.1	37.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

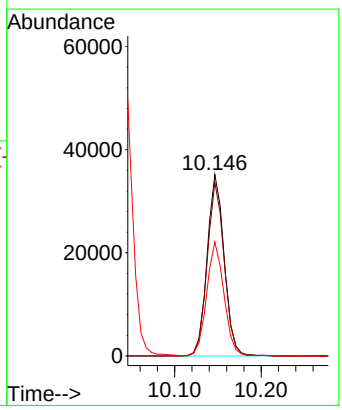


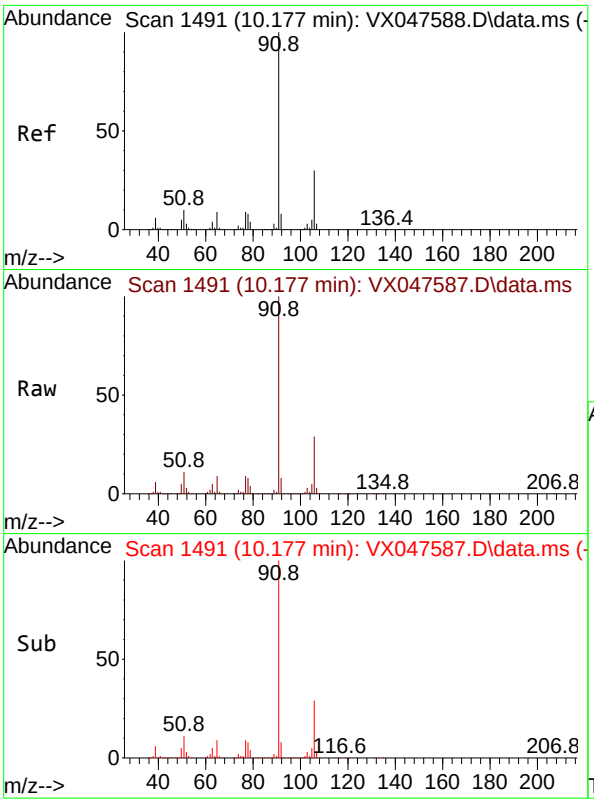


#66
1,1,1,2-Tetrachloroethane
Concen: 20.513 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:131 Resp: 48022

Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.3	142.0
119	63.9	32.0	96.0





#67
Ethyl Benzene
Concen: 20.907 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

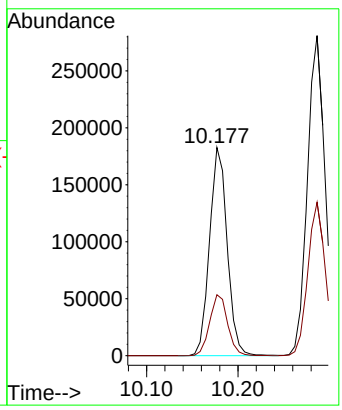
Tgt Ion: 91 Resp: 24473

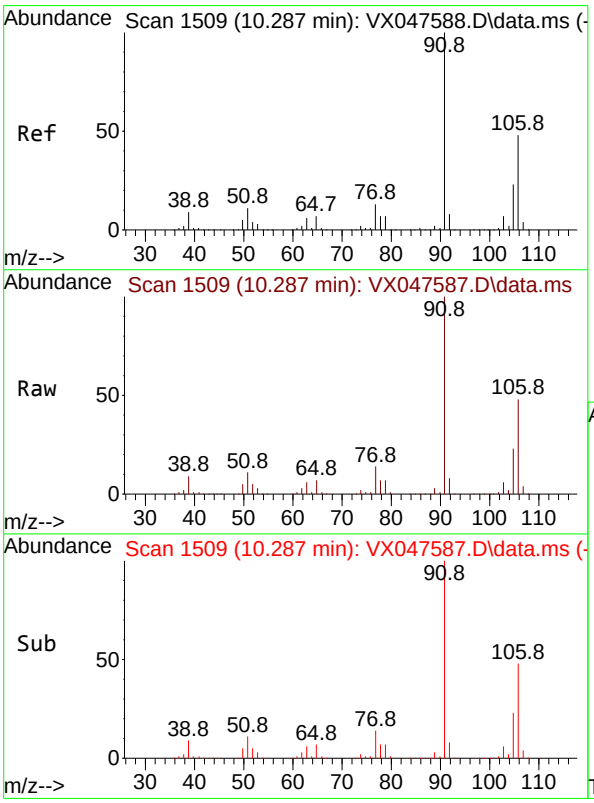
Ion	Ratio	Lower	Upper
91	100		
106	29.3	24.3	36.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

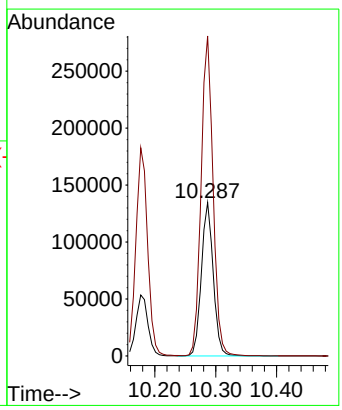


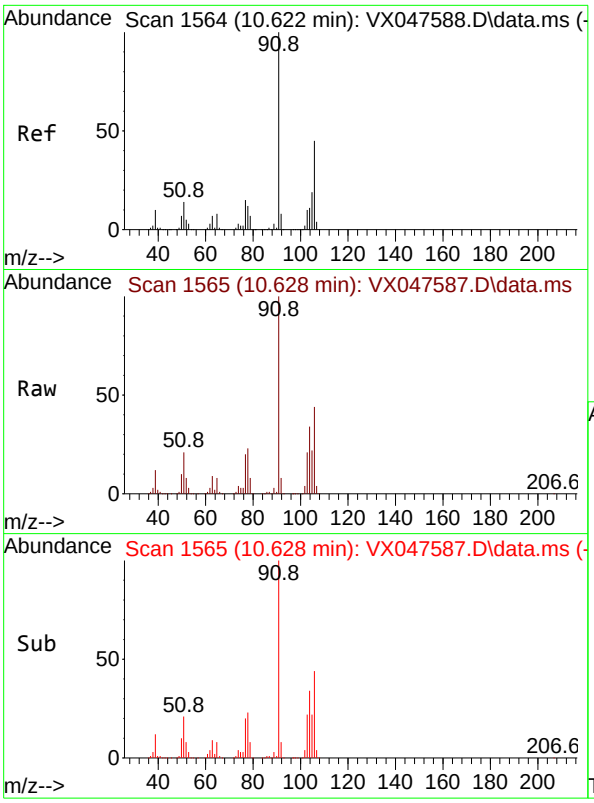


#68
m/p-Xylenes
Concen: 41.951 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:106 Resp: 182778

Ion	Ratio	Lower	Upper
106	100		
91	210.2	167.8	251.8





#69
o-Xylene
Concen: 20.799 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

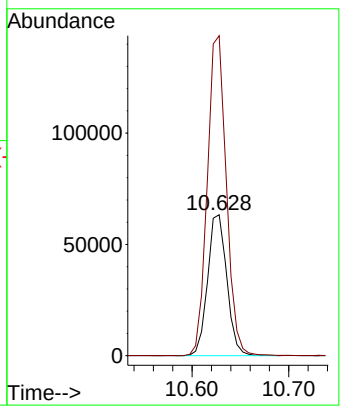
Tgt Ion:106 Resp: 8765

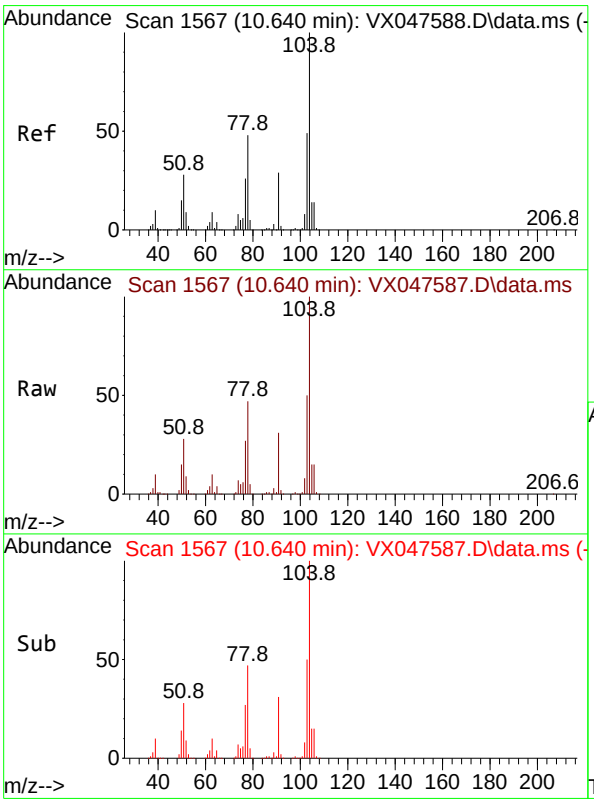
Ion	Ratio	Lower	Upper
106	100		
91	225.3	111.1	333.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

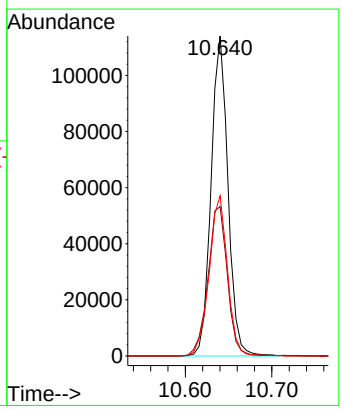


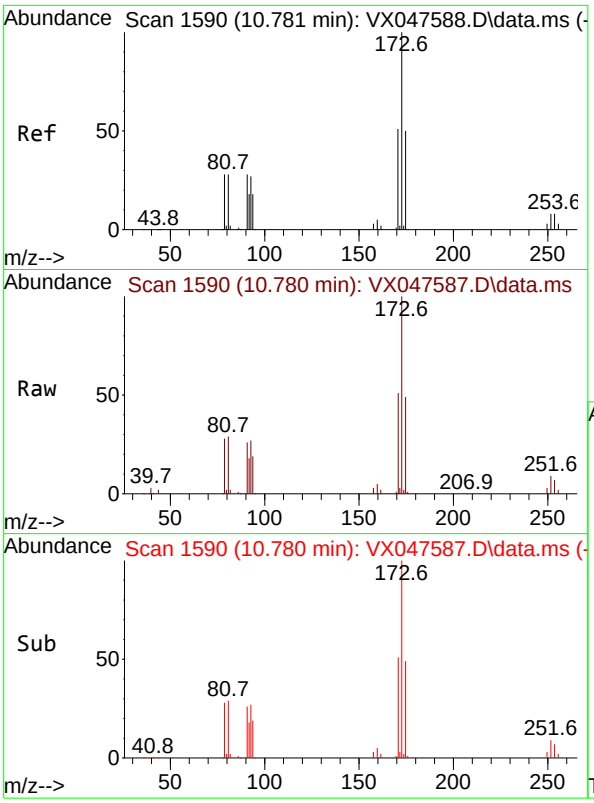


#70
Styrene
Concen: 20.866 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:104 Resp: 154077

Ion	Ratio	Lower	Upper
104	100		
78	53.6	43.1	64.7
103	54.4	43.1	64.7

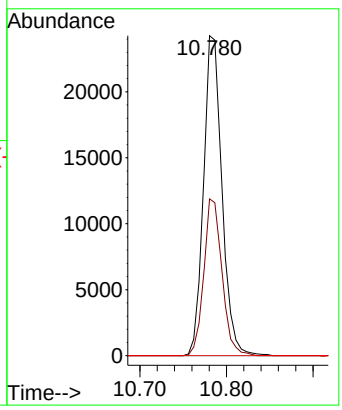




#71
Bromoform
Concen: 20.550 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:173 Resp: 3592

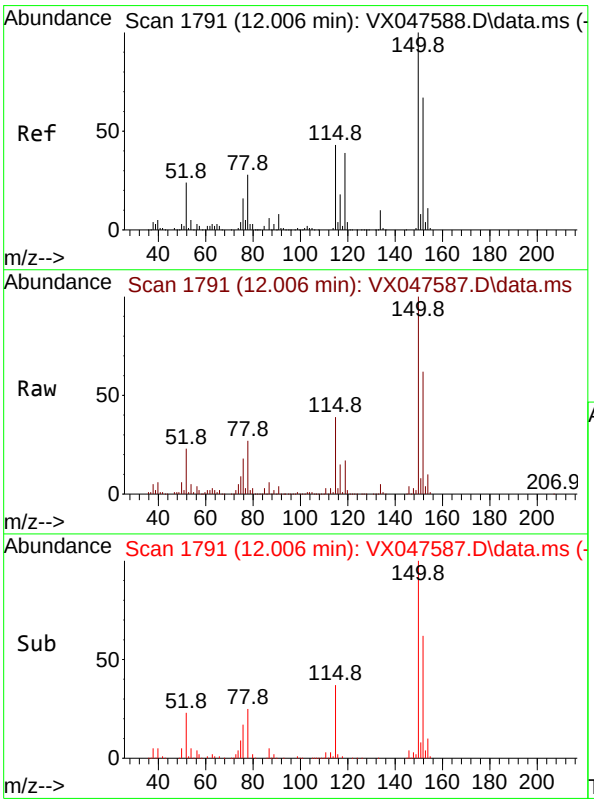
Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.9	74.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

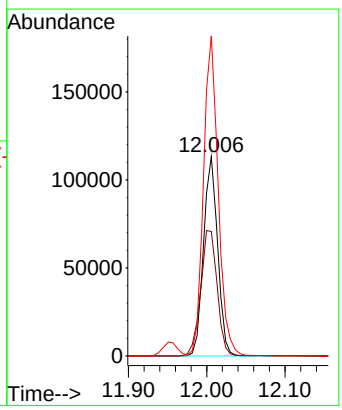
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

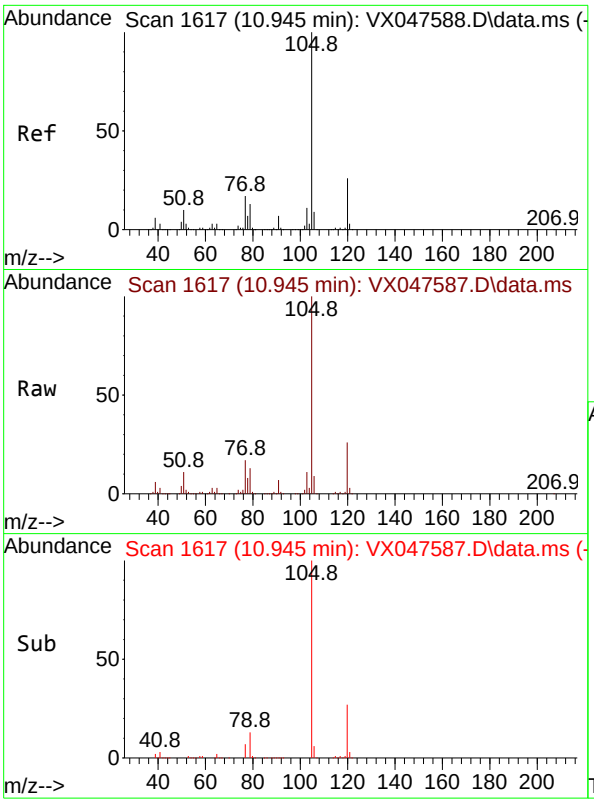


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:152 Resp: 141590

Ion	Ratio	Lower	Upper
152	100		
115	73.2	44.9	134.5
150	167.1	0.0	352.0





#73
Isopropylbenzene
Concen: 20.970 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

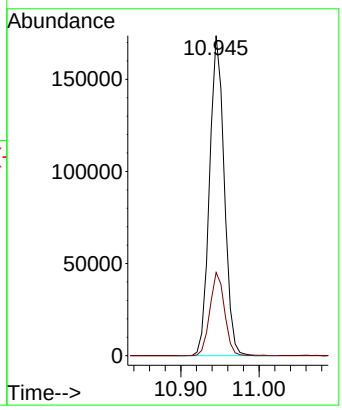
Tgt Ion:105 Resp: 22573

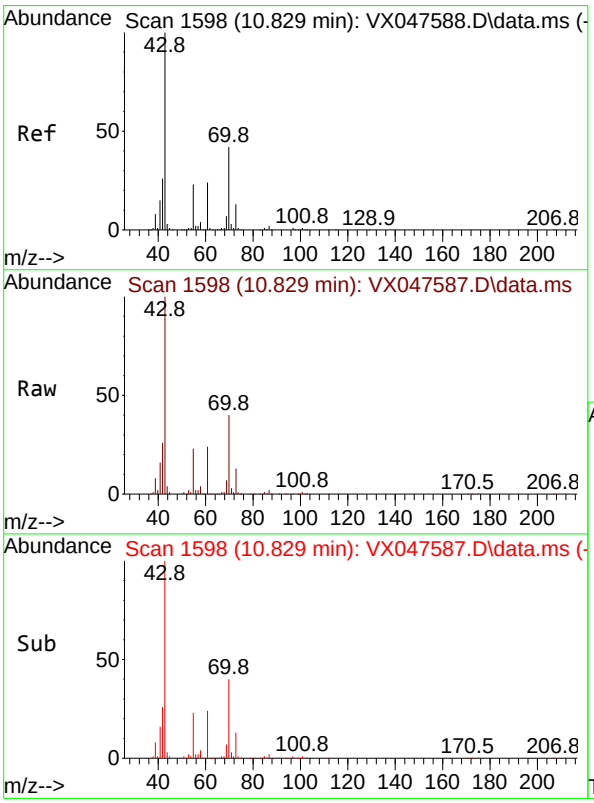
Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

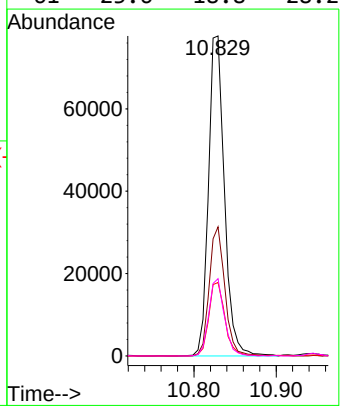


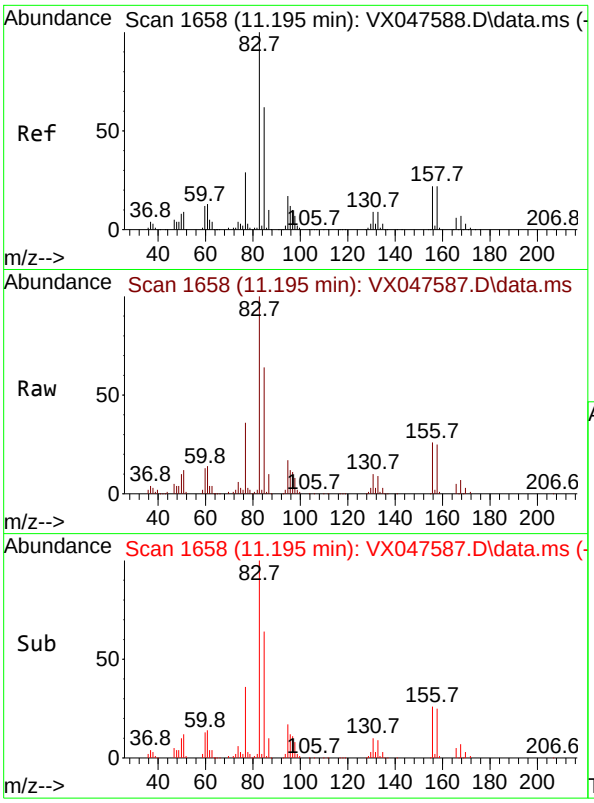


#74
N-amyl acetate
Concen: 21.354 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 104823

Ion	Ratio	Lower	Upper
43	100		
70	39.8	32.0	48.0
55	23.4	18.9	28.3
61	23.6	18.8	28.2

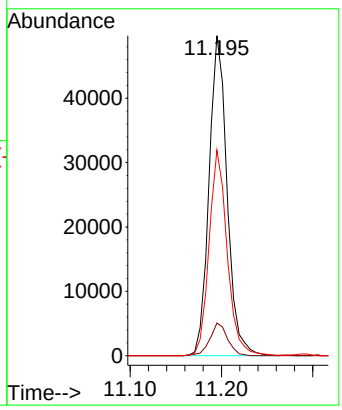




#75
1,1,2,2-Tetrachloroethane
Concen: 20.920 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 83 Resp: 6813

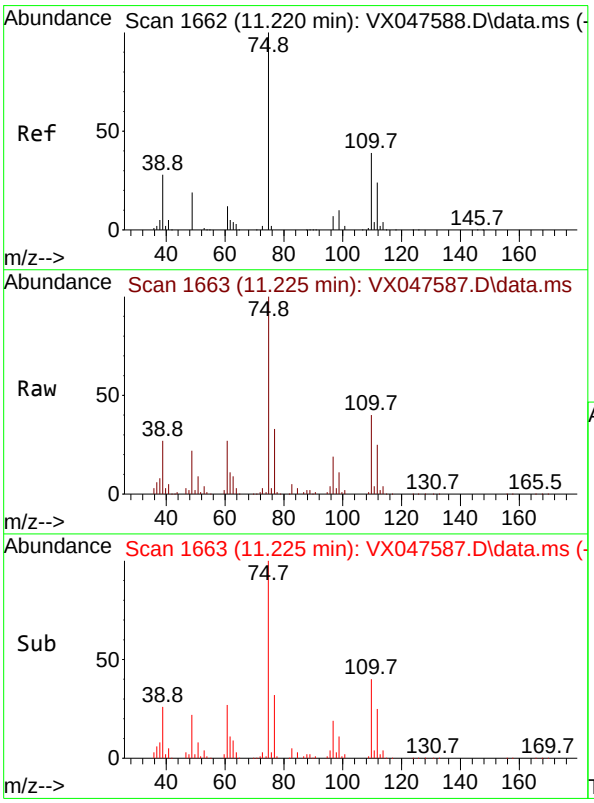
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	64.4	31.6	95.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

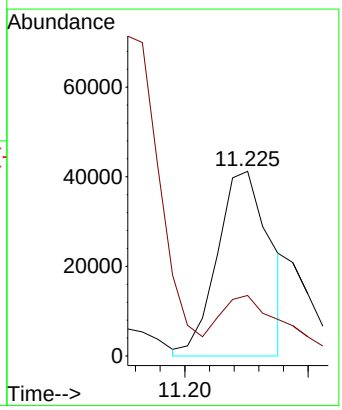
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

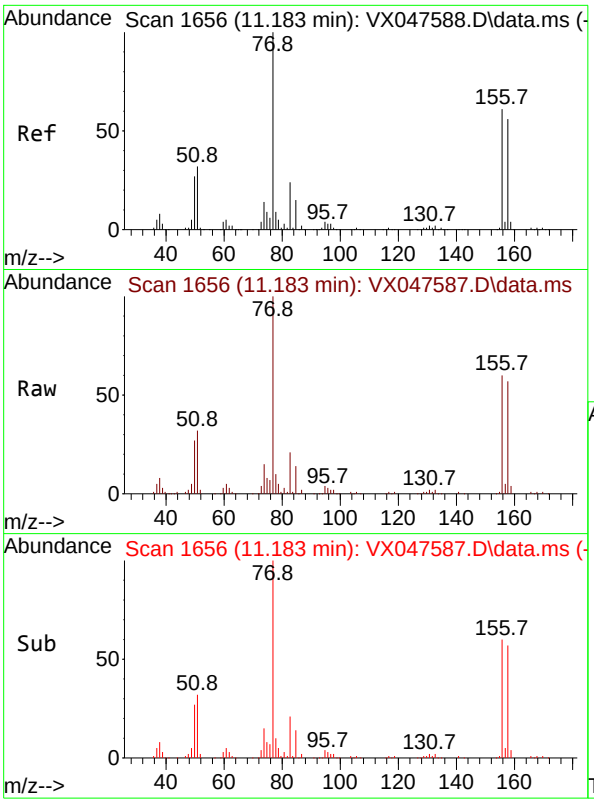


#76
1,2,3-Trichloropropane
Concen: 20.680 ug/l m
RT: 11.225 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 60797

Ion	Ratio	Lower	Upper
75	100		
77	39.6	18.8	56.4

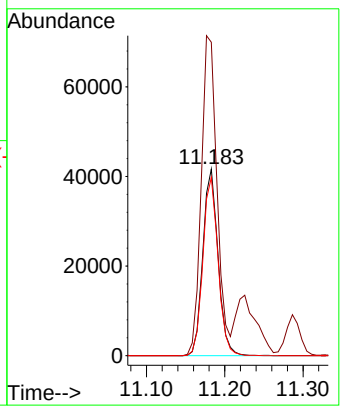




#77
Bromobenzene
Concen: 21.183 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:156 Resp: 5616

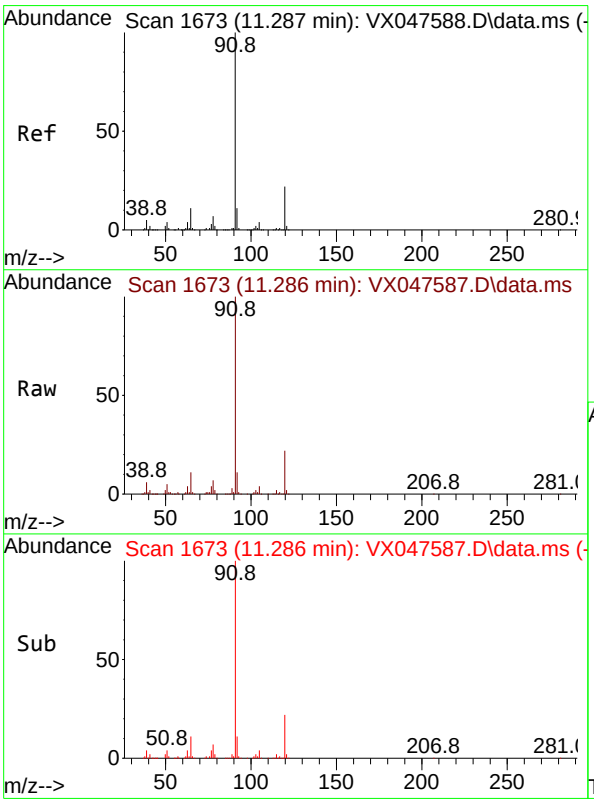
Ion	Ratio	Lower	Upper
156	100		
77	177.4	89.7	269.1
158	95.2	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

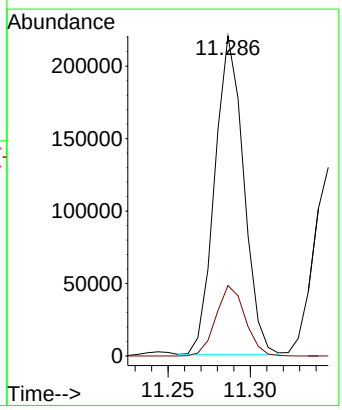
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

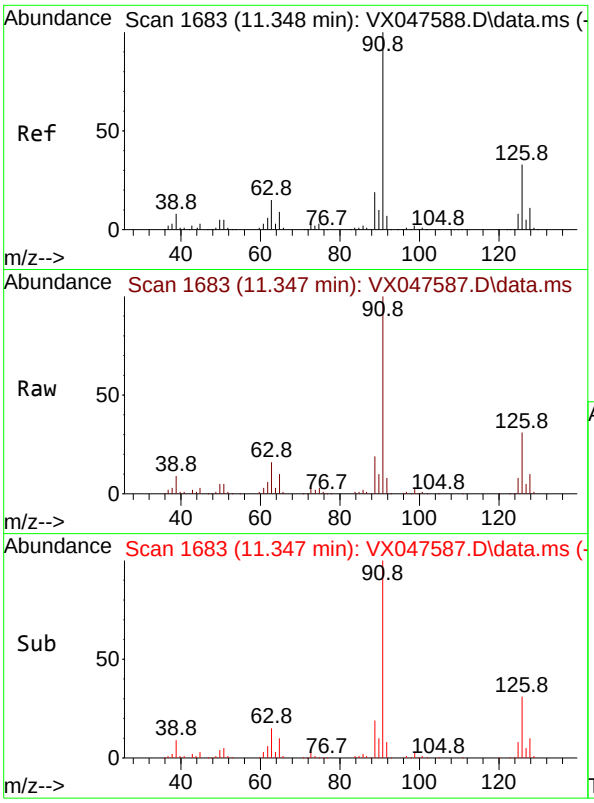


#78
n-propylbenzene
Concen: 21.092 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 268399

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1





#79
2-Chlorotoluene
Concen: 21.329 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

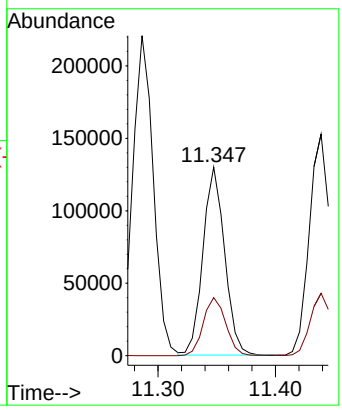
Tgt Ion: 91 Resp: 16623

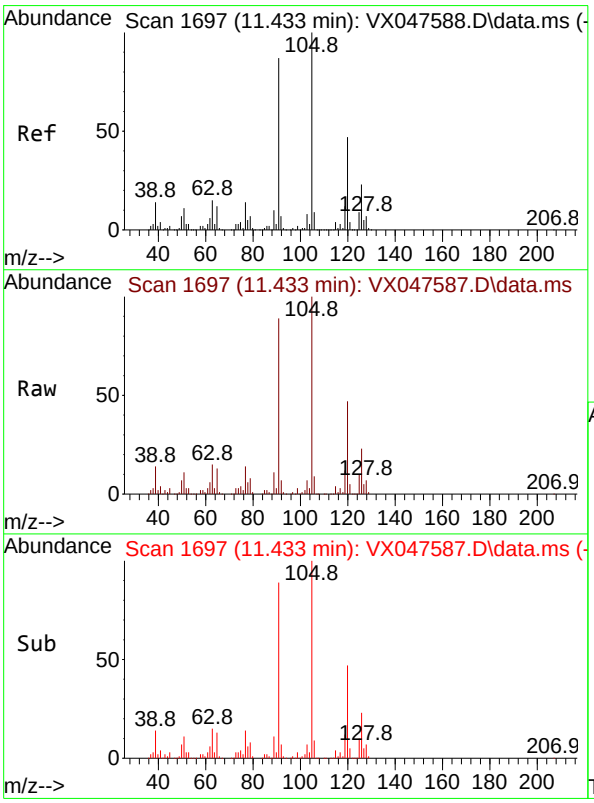
Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.1	48.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

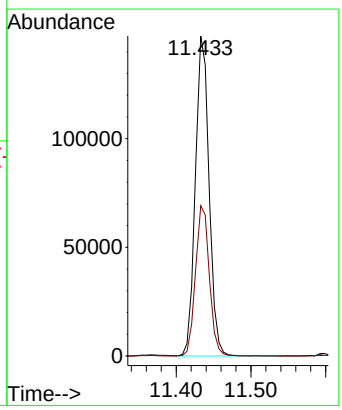


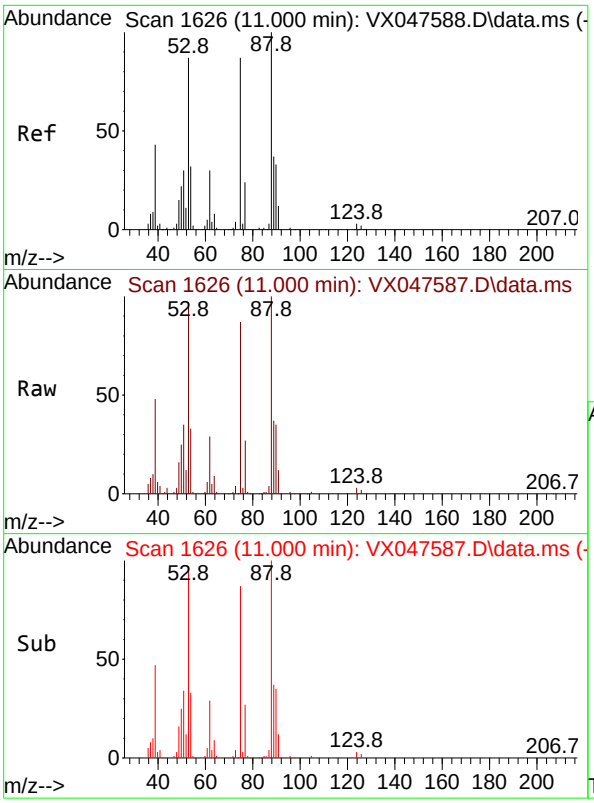


#80
1,3,5-Trimethylbenzene
Concen: 21.202 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:105 Resp: 187513

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 19.173 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

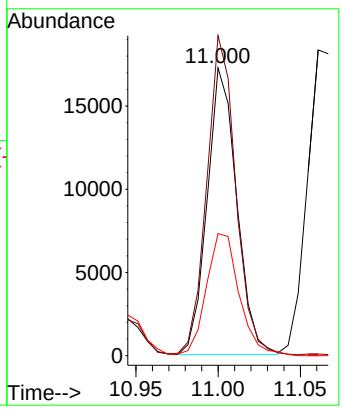
Tgt Ion: 75 Resp: 2155

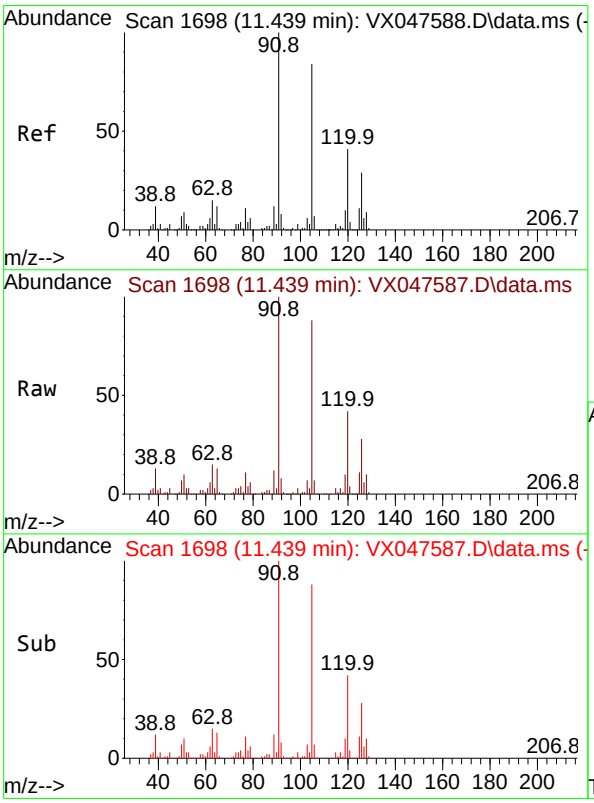
Ion	Ratio	Lower	Upper
75	100		
53	109.1	83.4	125.2
89	47.6	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

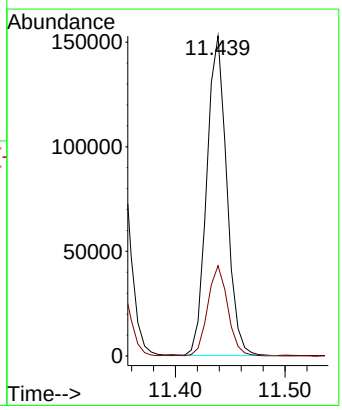


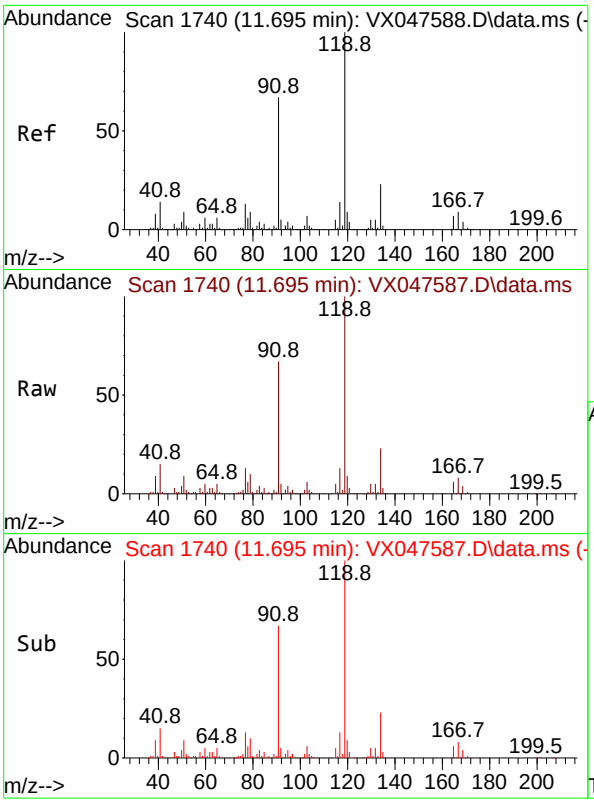


#82
4-Chlorotoluene
Concen: 20.980 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 193122

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.2	42.6

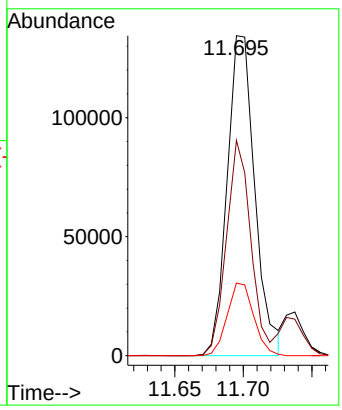




#83
tert-Butylbenzene
Concen: 20.929 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:119 Resp: 18948

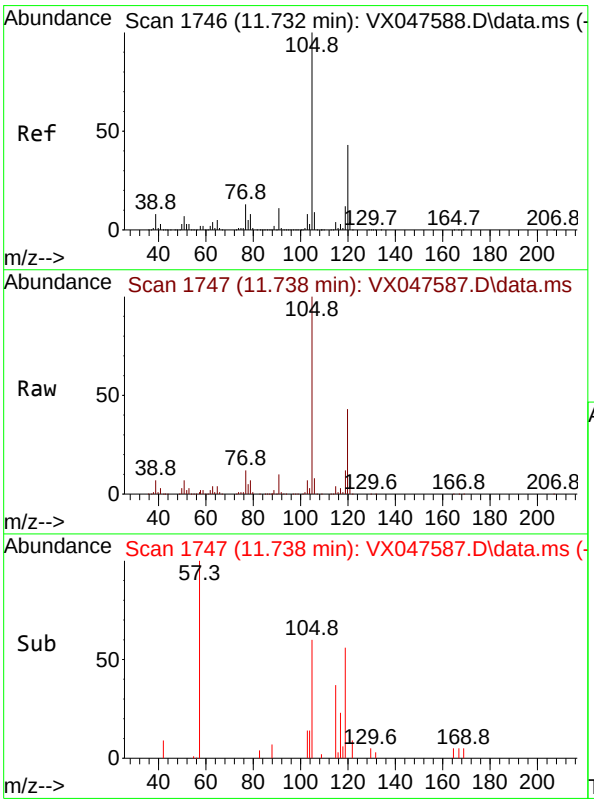
Ion	Ratio	Lower	Upper
119	100		
91	59.2	29.6	88.8
134	21.8	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

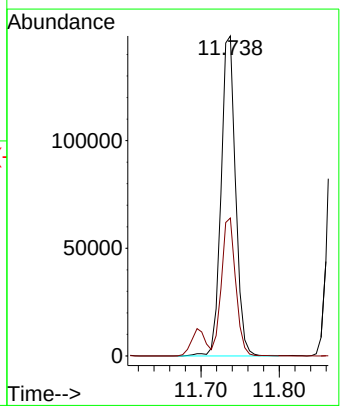
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

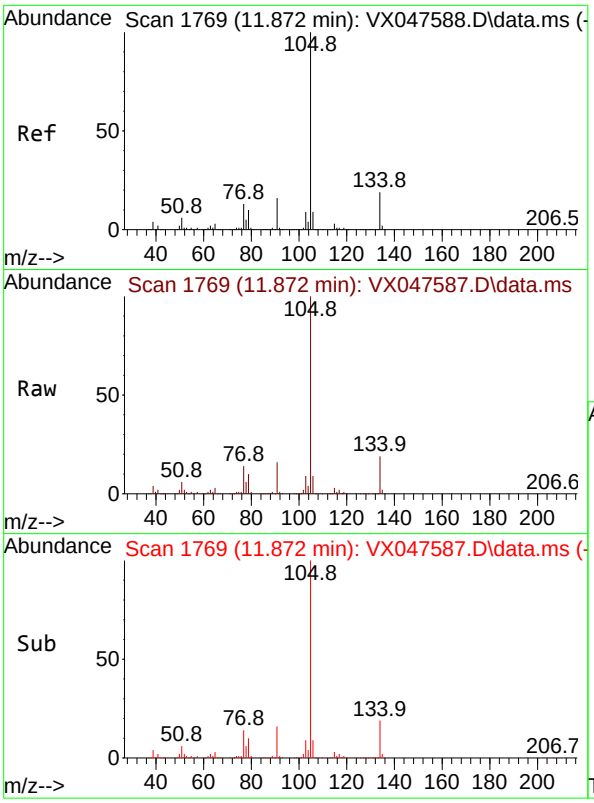


#84
1,2,4-Trimethylbenzene
Concen: 21.355 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:105 Resp: 191477

Ion	Ratio	Lower	Upper
105	100		
120	42.6	22.1	66.1

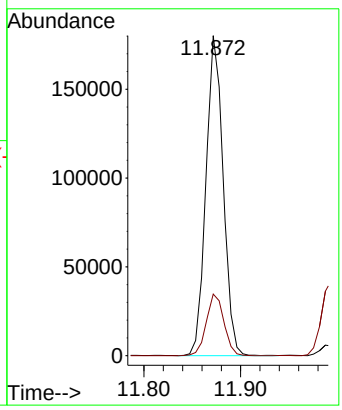




#85
sec-Butylbenzene
Concen: 20.777 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:105 Resp: 22343

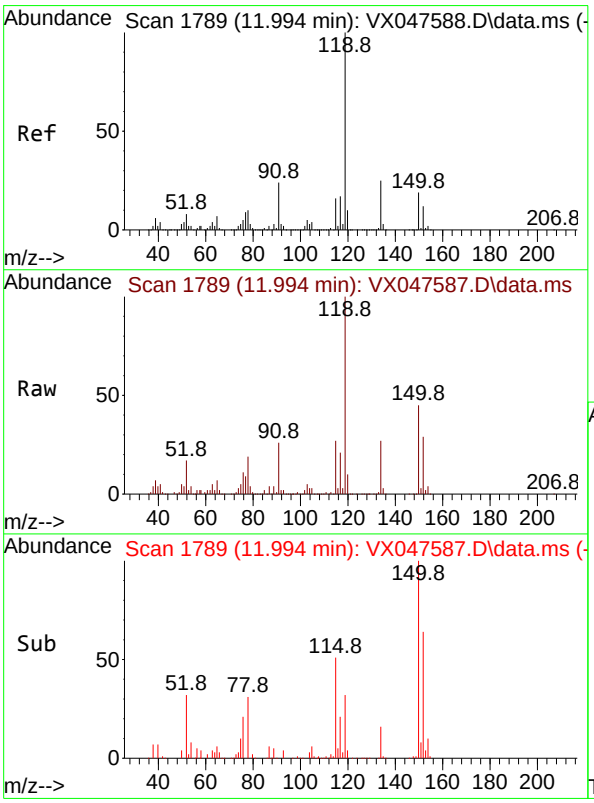
Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

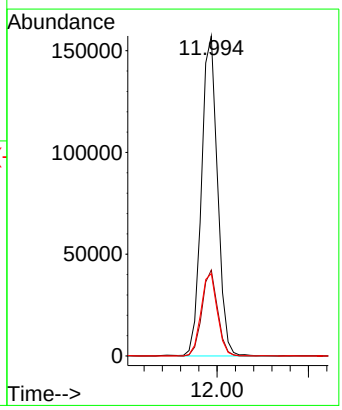
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

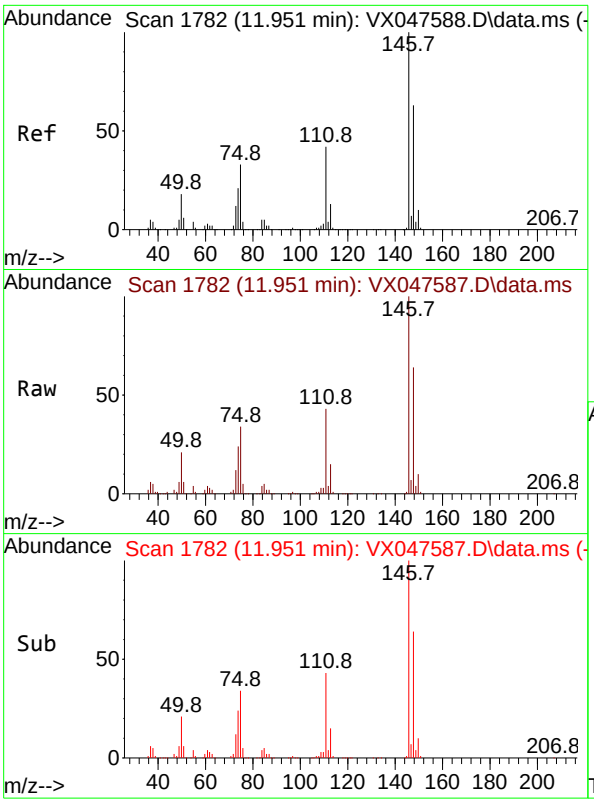


#86
p-Isopropyltoluene
Concen: 20.972 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:119 Resp: 190931

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.6	37.8
91	26.2	12.6	37.6

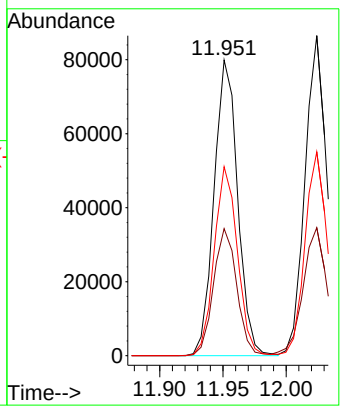




#87
1,3-Dichlorobenzene
Concen: 21.035 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:146 Resp: 10358

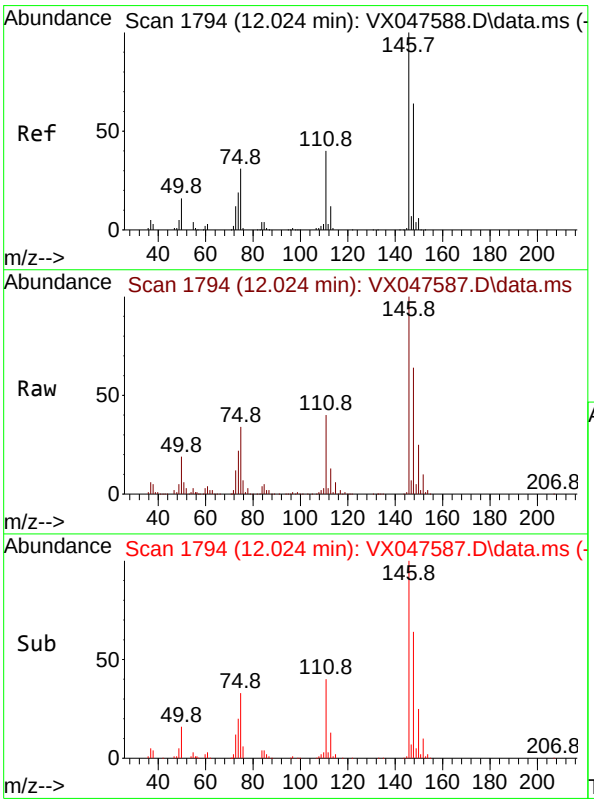
Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.5	64.5
148	62.7	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

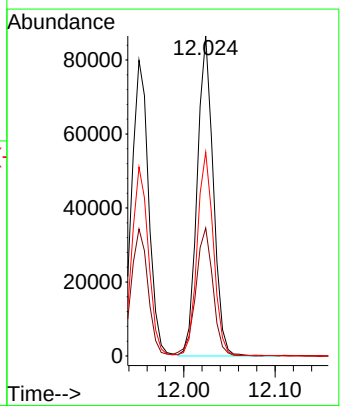
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

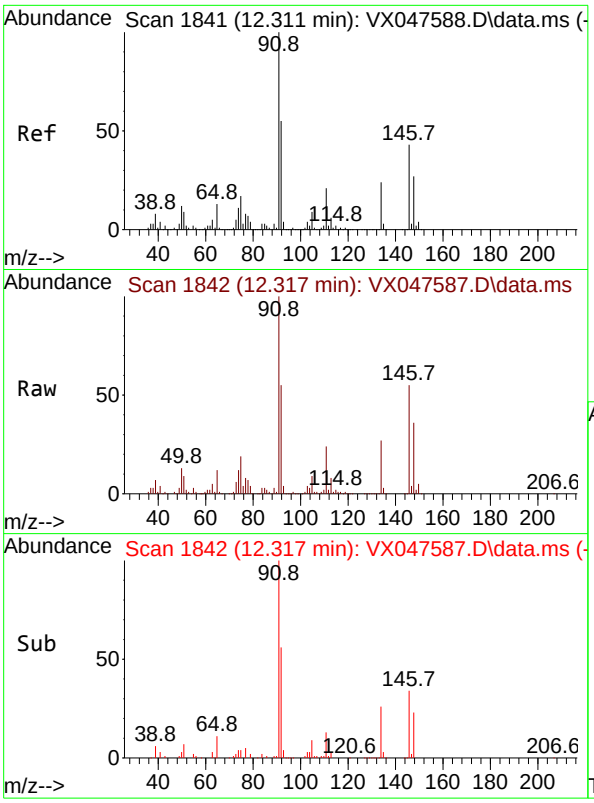


#88
1,4-Dichlorobenzene
Concen: 20.937 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:146 Resp: 105819

Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.8	62.4
148	64.4	31.7	95.1

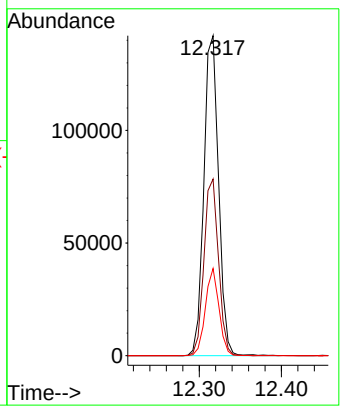




#89
n-Butylbenzene
Concen: 20.937 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 17637

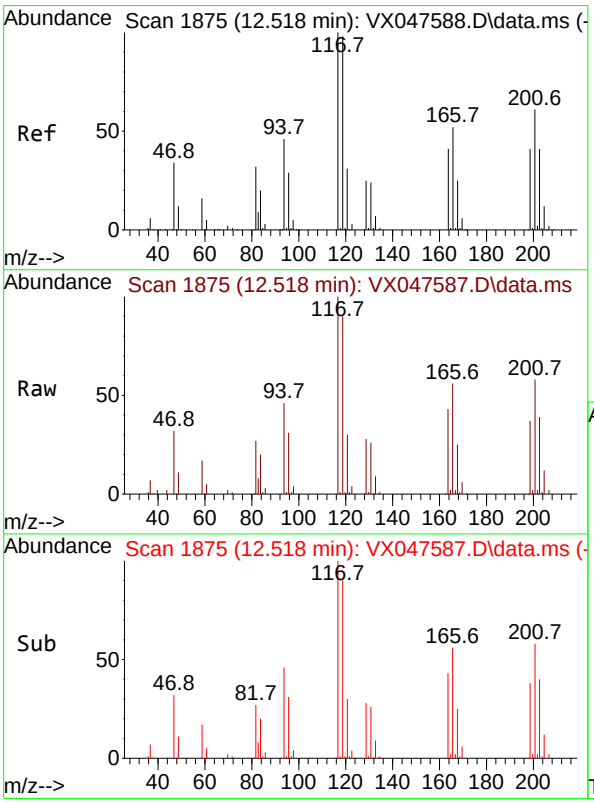
Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.6	82.7
134	25.3	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

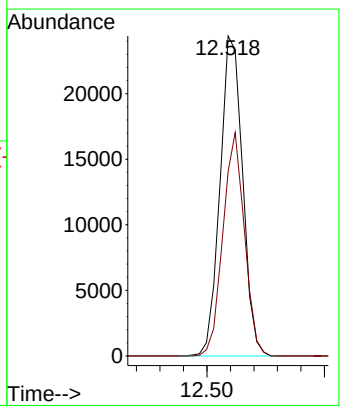
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

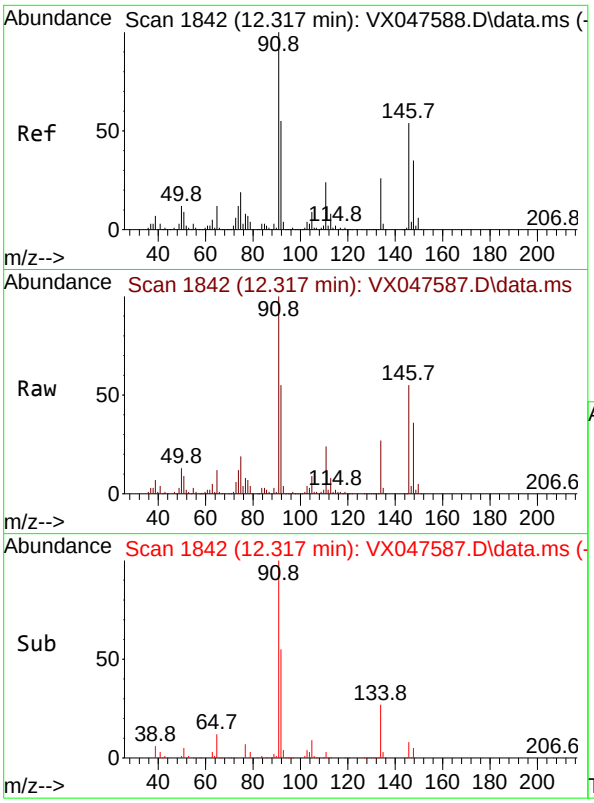


#90
Hexachloroethane
Concen: 20.349 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:117 Resp: 32526

Ion	Ratio	Lower	Upper
117	100		
201	66.6	34.2	102.5

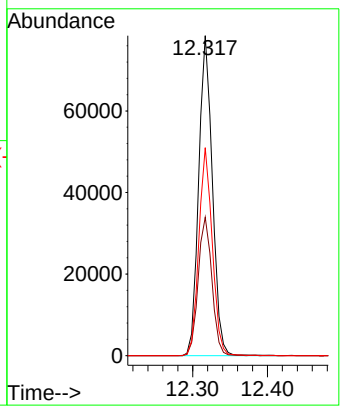




#91
1,2-Dichlorobenzene
Concen: 21.207 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:146 Resp: 9949

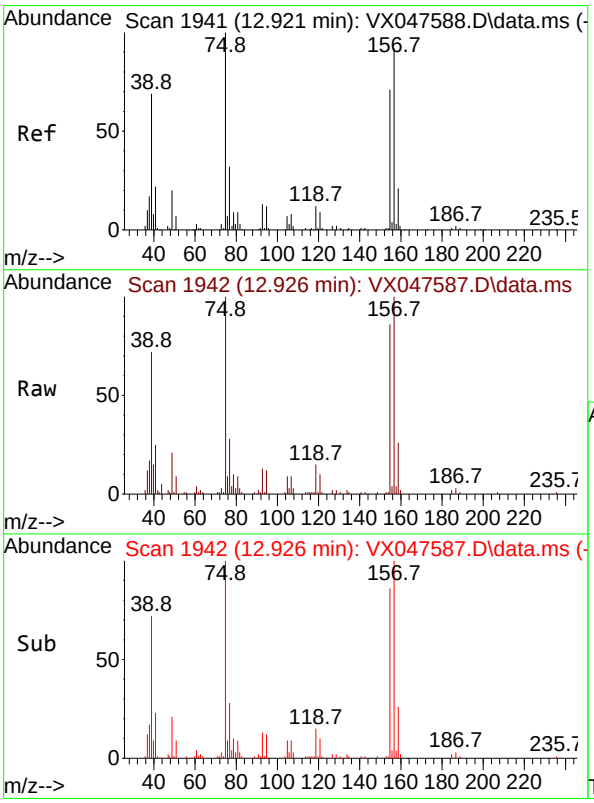
Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.2	66.6
148	63.9	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

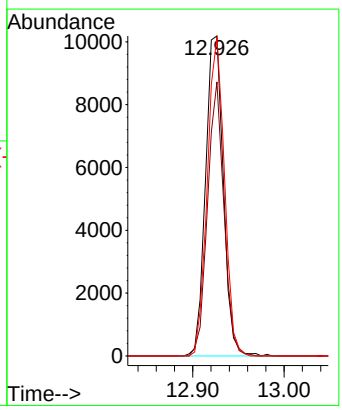
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

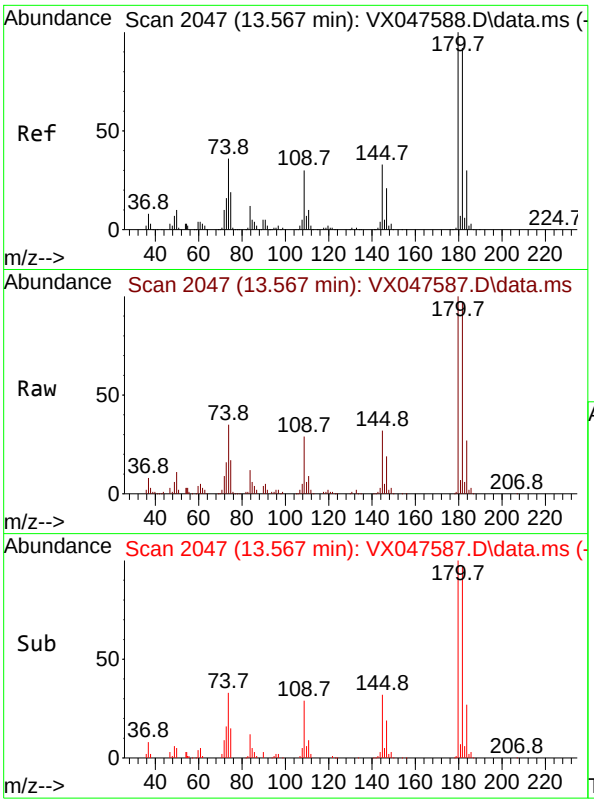


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.821 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 13729

Ion	Ratio	Lower	Upper
75	100		
155	78.8	37.7	113.1
157	95.9	49.8	149.4





#93
1,2,4-Trichlorobenzene
Concen: 20.571 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

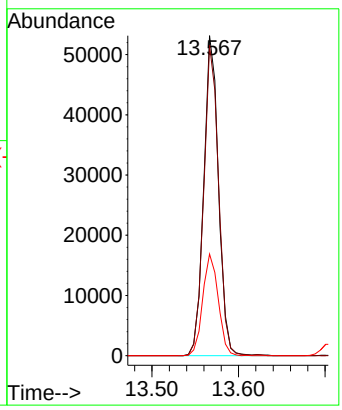
Tgt Ion:180 Resp: 6272

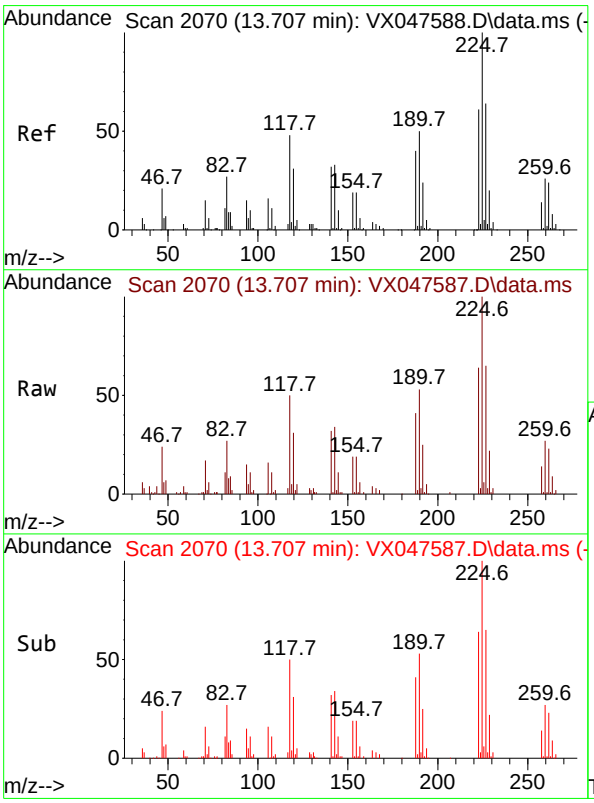
Ion	Ratio	Lower	Upper
180	100		
182	97.8	46.6	139.8
145	33.4	16.4	49.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

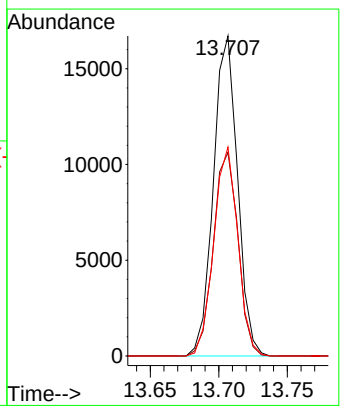


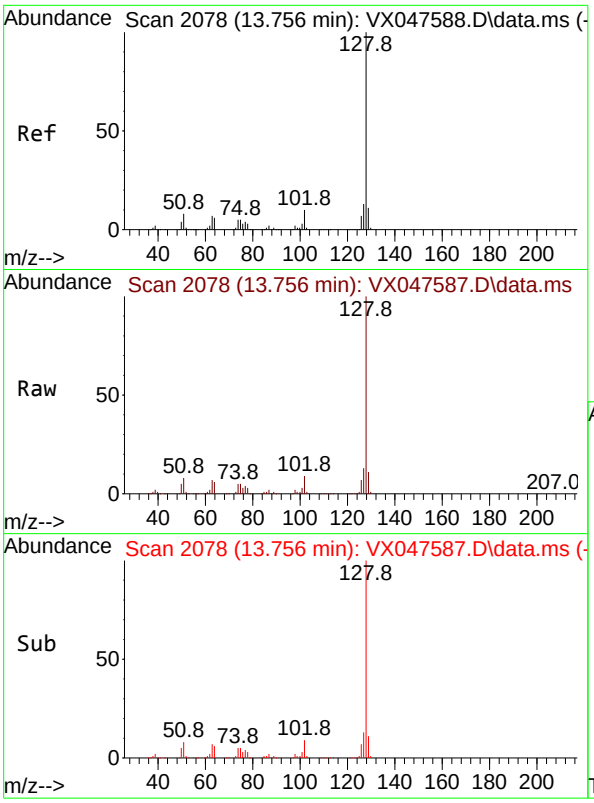


#94
Hexachlorobutadiene
Concen: 19.751 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:225 Resp: 20456

Ion	Ratio	Lower	Upper
225	100		
223	65.0	31.7	95.1
227	65.1	32.0	96.0

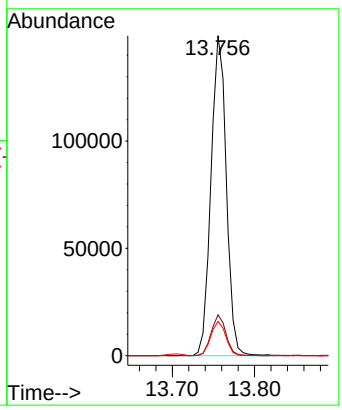




#95
Naphthalene
Concen: 20.801 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:128 Resp: 19313

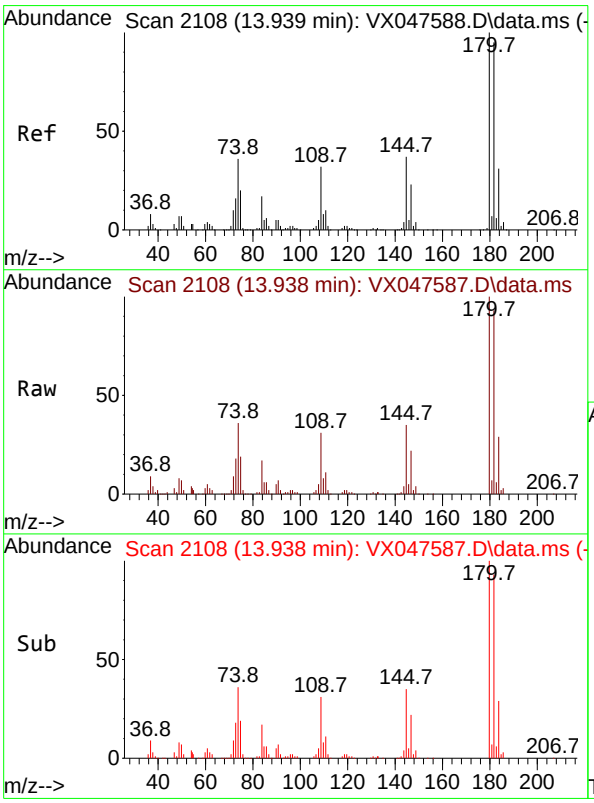
Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.2	15.2
129	10.5	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

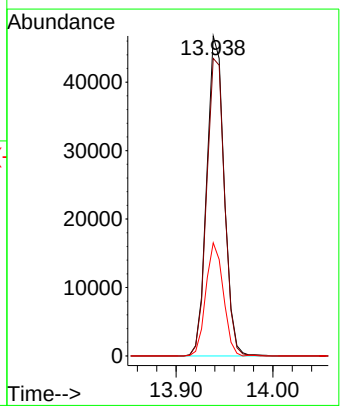
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.593 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:180 Resp: 58409

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.6	142.8
145	35.5	17.9	53.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:13:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	173407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	307383	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	270040	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	127732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	133606	48.404	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 96.800%			
35) Dibromofluoromethane	5.373	113	101627	49.298	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.600%			
50) Toluene-d8	8.635	98	352578	49.428	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.860%			
62) 4-Bromofluorobenzene	11.061	95	131217	48.471	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	86824	48.352	ug/l	100
3) Chloromethane	1.301	50	114682	48.594	ug/l	100
4) Vinyl Chloride	1.380	62	114666	49.635	ug/l	100
5) Bromomethane	1.618	94	73561	50.216	ug/l	100
6) Chloroethane	1.697	64	76736	49.698	ug/l	100
7) Trichlorofluoromethane	1.898	101	172561	50.307	ug/l	100
8) Diethyl Ether	2.136	74	70874	50.510	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	101178	50.445	ug/l	100
10) Methyl Iodide	2.459	142	158046	50.525	ug/l	100
11) Tert butyl alcohol	2.941	59	77232	251.232	ug/l	100
12) 1,1-Dichloroethene	2.325	96	104724	50.831	ug/l	100
13) Acrolein	2.239	56	70721	249.645	ug/l	100
14) Allyl chloride	2.666	41	210001	49.396	ug/l	100
15) Acrylonitrile	3.063	53	300642	264.027	ug/l	100
16) Acetone	2.374	43	275065	229.193	ug/l	100
17) Carbon Disulfide	2.520	76	271480	48.133	ug/l	100
18) Methyl Acetate	2.703	43	151968	56.897	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	389607	51.804	ug/l	100
20) Methylene Chloride	2.788	84	126506	49.798	ug/l	100
21) trans-1,2-Dichloroethene	3.093	96	112553	50.743	ug/l	100
22) Diisopropyl ether	3.758	45	429524	52.131	ug/l	100
23) Vinyl Acetate	3.715	43	1726735	261.852	ug/l	100
24) 1,1-Dichloroethane	3.605	63	224824	51.338	ug/l	100
25) 2-Butanone	4.538	43	380335	254.060	ug/l	100
26) 2,2-Dichloropropane	4.465	77	185247	50.888	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	140105	51.576	ug/l	100
28) Bromochloromethane	4.891	49	99991	52.301	ug/l	100
29) Tetrahydrofuran	4.989	42	238677	265.026	ug/l	100
30) Chloroform	5.080	83	229430	51.844	ug/l	100
31) Cyclohexane	5.458	56	178546	48.952	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	195407	52.058	ug/l	100
36) 1,1-Dichloropropene	5.684	75	149800	49.729	ug/l	100
37) Ethyl Acetate	4.702	43	163482	50.687	ug/l	100
38) Carbon Tetrachloride	5.672	117	165730	50.637	ug/l	100
39) Methylcyclohexane	7.367	83	173610	50.773	ug/l	100
40) Benzene	6.025	78	468136	51.167	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 17 06:13:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.904	41	87761	52.707	ug/l		100
42) 1,2-Dichloroethane	6.074	62	179037	51.431	ug/l		100
43) Isopropyl Acetate	6.324	43	275572	52.096	ug/l		100
44) Trichloroethene	7.111	130	113832	51.463	ug/l		100
45) 1,2-Dichloropropane	7.415	63	122109	52.122	ug/l		100
46) Dibromomethane	7.568	93	88505	51.914	ug/l		100
47) Bromodichloromethane	7.806	83	186540	53.025	ug/l		100
48) Methyl methacrylate	7.678	41	138167	52.438	ug/l		100
49) 1,4-Dioxane	7.647	88	29496	1107.698	ug/l		100
51) 4-Methyl-2-Pentanone	8.562	43	784978	267.650	ug/l		100
52) Toluene	8.702	92	288853	51.244	ug/l		100
53) t-1,3-Dichloropropene	8.964	75	190282	53.027	ug/l		100
54) cis-1,3-Dichloropropene	8.354	75	200859	52.369	ug/l		100
55) 1,1,2-Trichloroethane	9.135	97	112837	51.915	ug/l		100
56) Ethyl methacrylate	9.104	69	184087	53.930	ug/l		100
57) 1,3-Dichloropropane	9.293	76	195989	52.492	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	418707	256.309	ug/l		100
59) 2-Hexanone	9.415	43	553313	262.683	ug/l		100
60) Dibromochloromethane	9.506	129	133737	53.401	ug/l		100
61) 1,2-Dibromoethane	9.592	107	116462	52.607	ug/l		100
64) Tetrachloroethene	9.257	164	88149	50.074	ug/l		100
65) Chlorobenzene	10.061	112	317982	51.833	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.147	131	111849	52.835	ug/l		100
67) Ethyl Benzene	10.177	91	550610	52.017	ug/l		100
68) m/p-Xylenes	10.287	106	412932	104.809	ug/l		100
69) o-Xylene	10.622	106	202291	53.084	ug/l		100
70) Styrene	10.640	104	350654	52.515	ug/l		100
71) Bromoform	10.781	173	84485	53.447	ug/l	#	100
73) Isopropylbenzene	10.945	105	516891	53.227	ug/l		100
74) N-amyl acetate	10.829	43	237846	53.710	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	156454	53.251	ug/l		100
76) 1,2,3-Trichloropropane	11.220	75	144074m	54.322	ug/l		
77) Bromobenzene	11.183	156	126174	52.754	ug/l		100
78) n-propylbenzene	11.287	91	612035	53.315	ug/l		100
79) 2-Chlorotoluene	11.348	91	372397	52.965	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	426989	53.518	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	52927	52.190	ug/l		100
82) 4-Chlorotoluene	11.439	91	438502	52.806	ug/l		100
83) tert-Butylbenzene	11.695	119	429107	52.539	ug/l		100
84) 1,2,4-Trimethylbenzene	11.732	105	427073	52.798	ug/l		100
85) sec-Butylbenzene	11.872	105	514442	53.029	ug/l		100
86) p-Isopropyltoluene	11.994	119	436704	53.172	ug/l		100
87) 1,3-Dichlorobenzene	11.951	146	232038	52.232	ug/l		100
88) 1,4-Dichlorobenzene	12.024	146	233975	51.316	ug/l		100
89) n-Butylbenzene	12.311	91	400997	52.766	ug/l		100
90) Hexachloroethane	12.518	117	75800	52.567	ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	222993	52.688	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.921	75	32451	54.554	ug/l		100
93) 1,2,4-Trichlorobenzene	13.567	180	147670	53.685	ug/l		100
94) Hexachlorobutadiene	13.707	225	49061	52.510	ug/l		100
95) Naphthalene	13.756	128	452013	53.966	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	138978	54.316	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:13:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 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

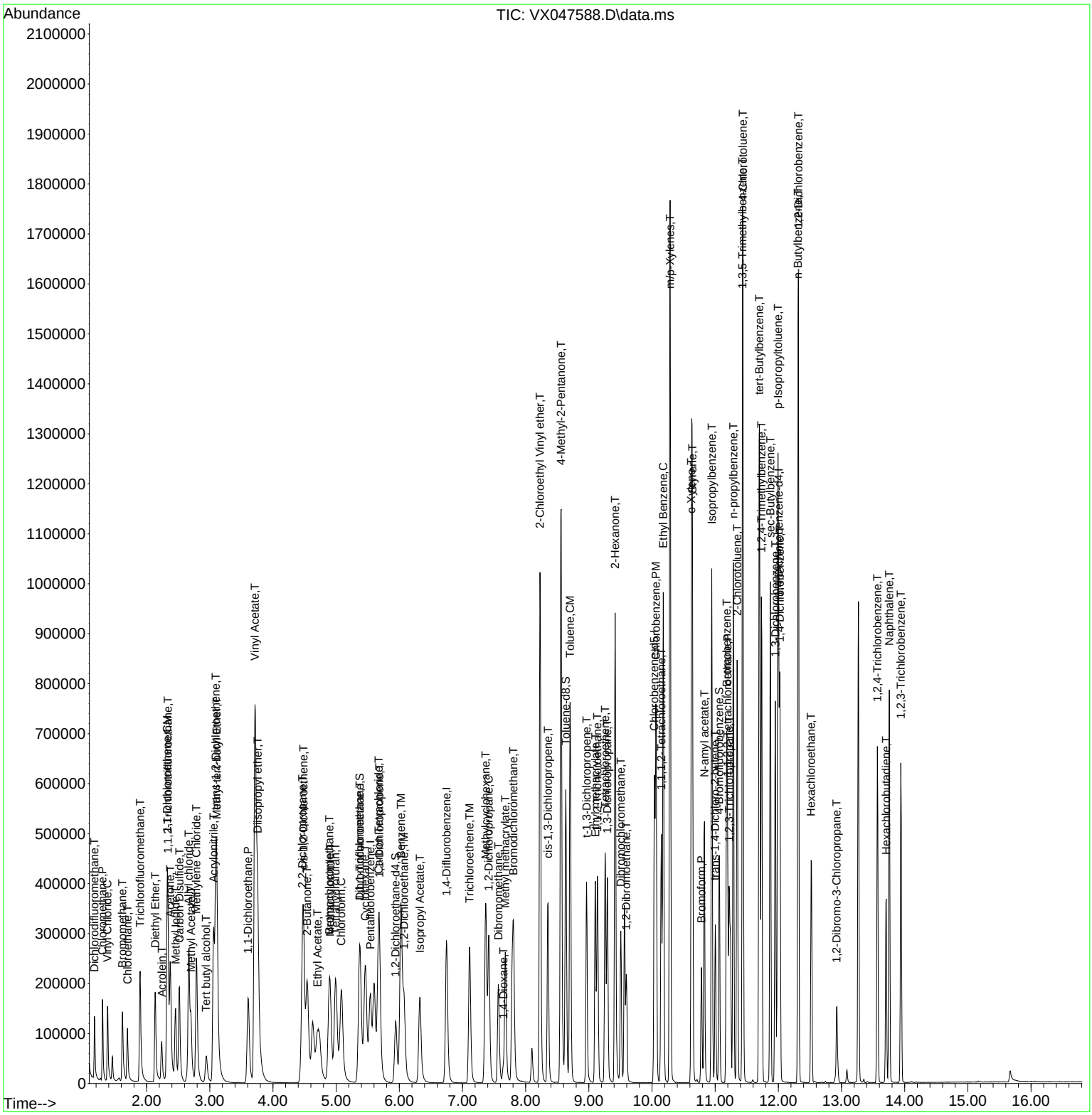
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

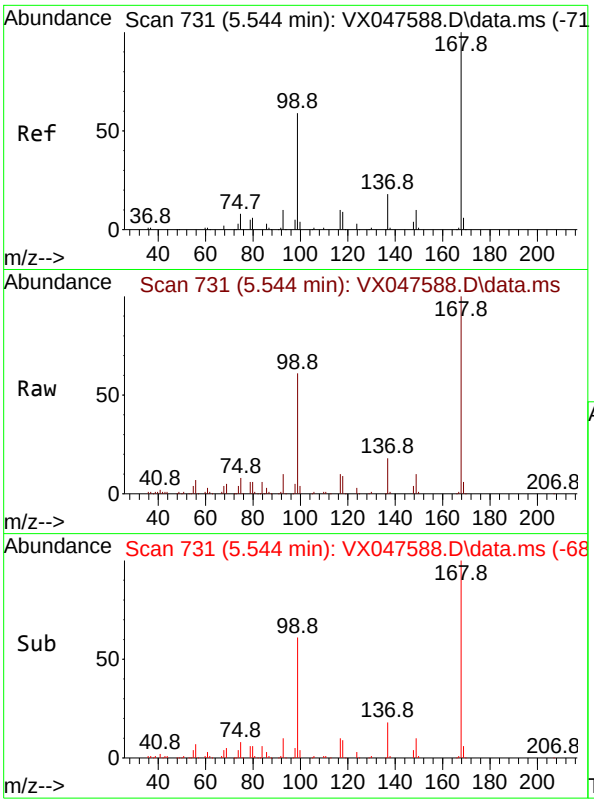
Quant Time: Sep 17 06:13:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

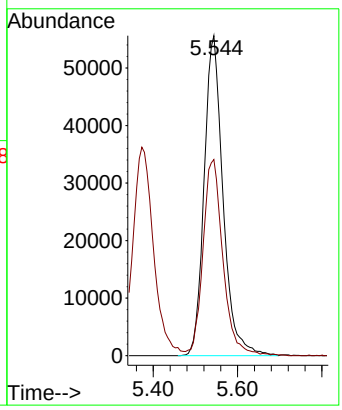




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:168 Resp: 17340

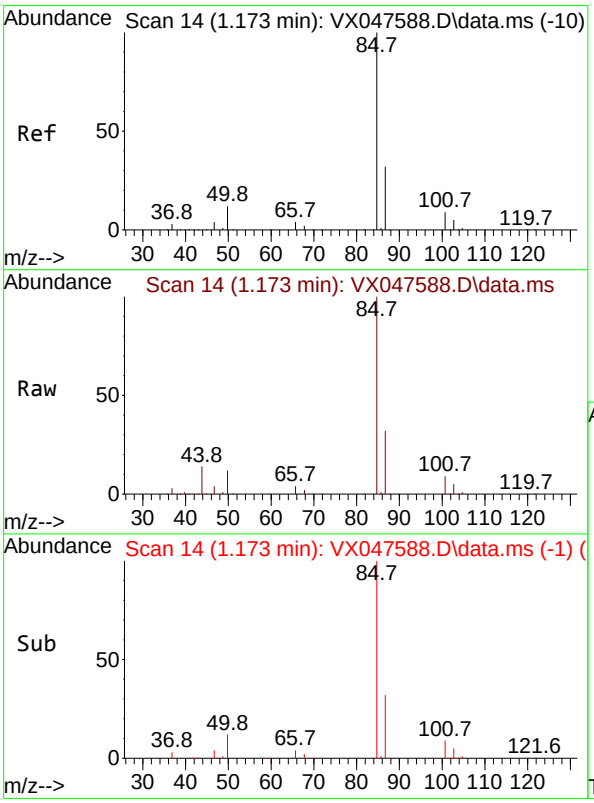
Ion	Ratio	Lower	Upper
168	100		
99	61.0	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

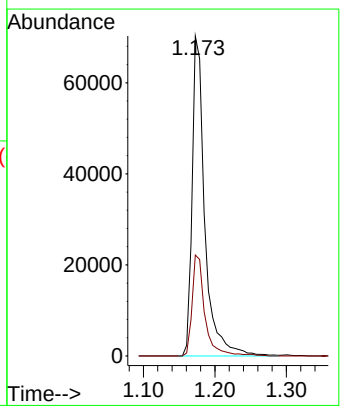
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

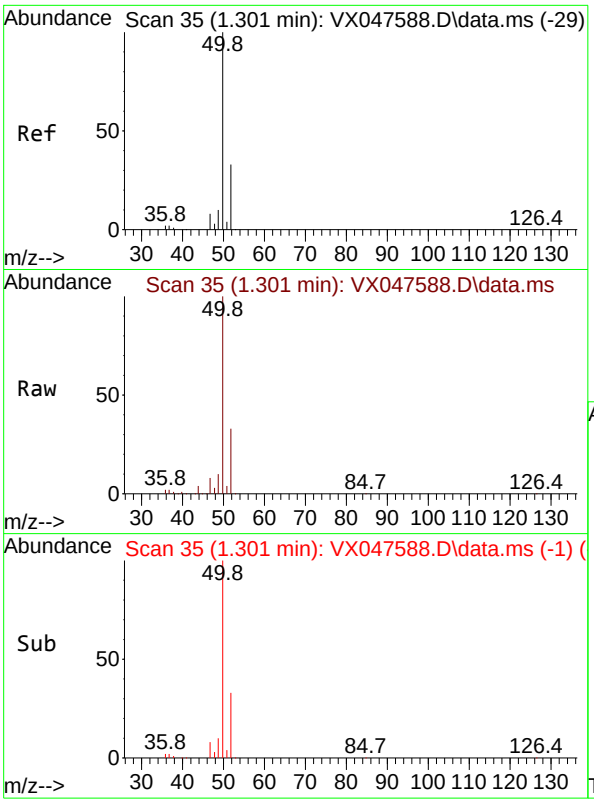


#2
Dichlorodifluoromethane
Concen: 48.352 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 85 Resp: 86824

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.8	47.3

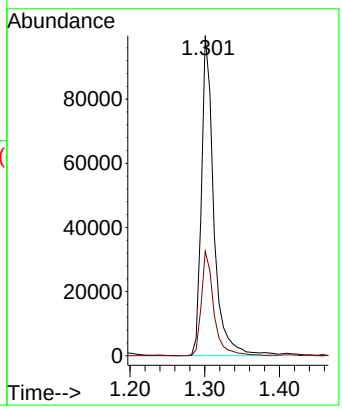




#3
Chloromethane
Concen: 48.594 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 50 Resp: 11468

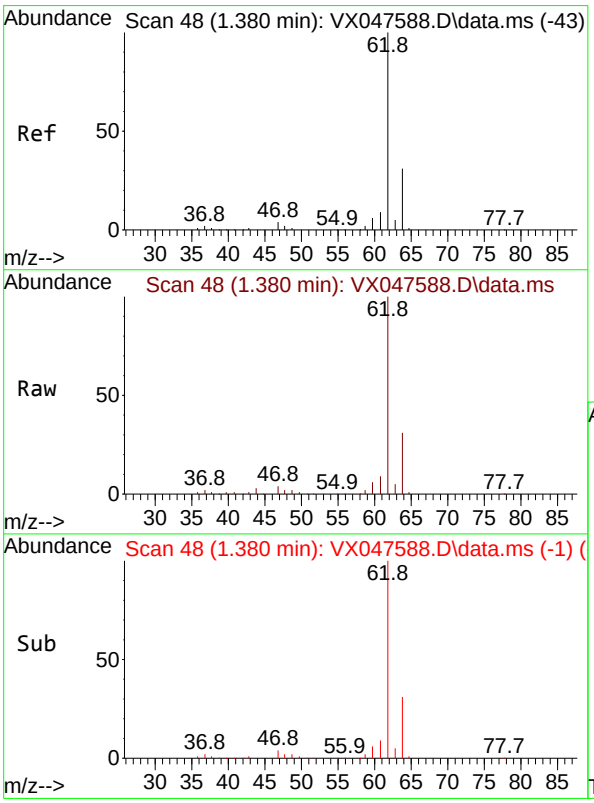
Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

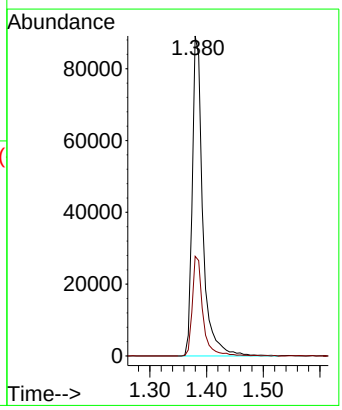
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

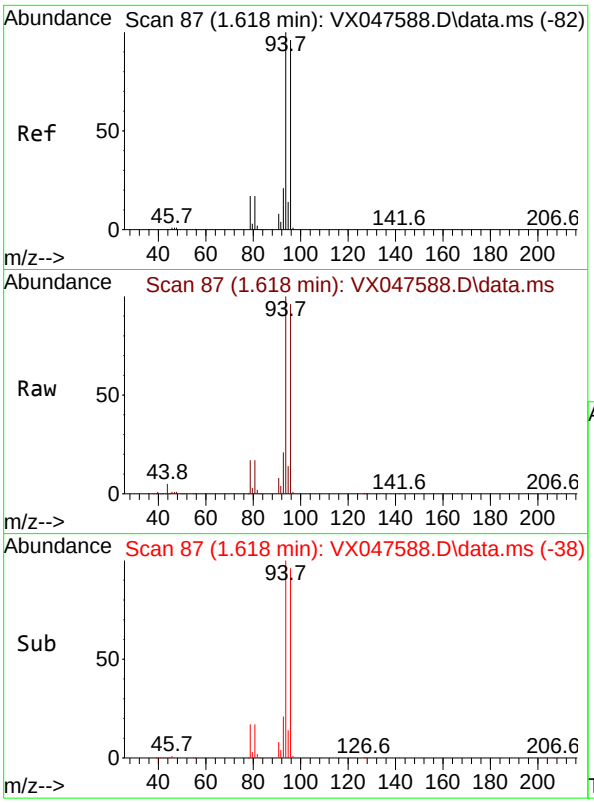


#4
Vinyl Chloride
Concen: 49.635 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 62 Resp: 114666

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.9	37.3

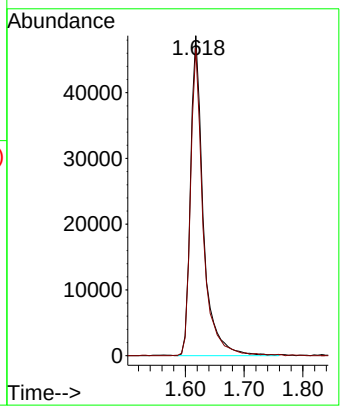




#5
Bromomethane
Concen: 50.216 ug/l
RT: 1.618 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 94 Resp: 7356

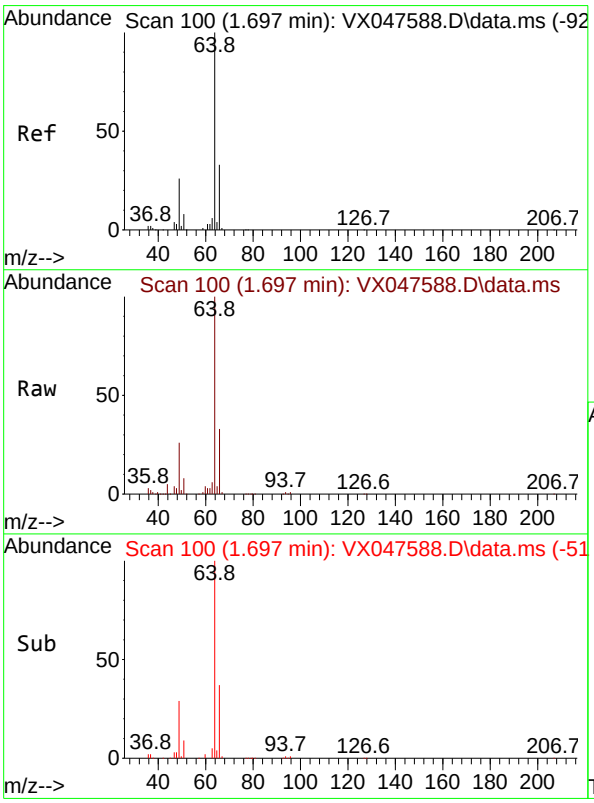
Ion	Ratio	Lower	Upper
94	100		
96	95.8	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

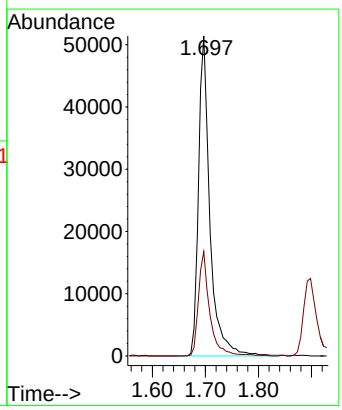
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

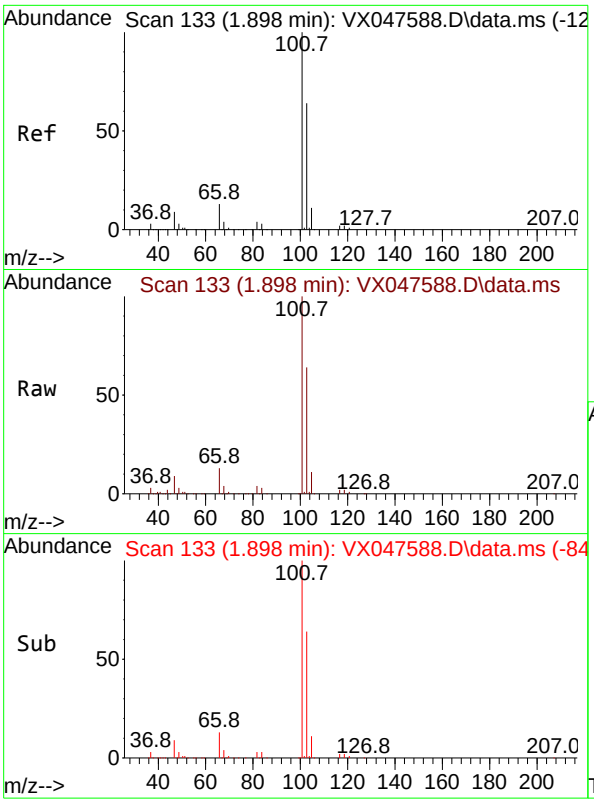


#6
Chloroethane
Concen: 49.698 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 64 Resp: 76736

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.1	39.1

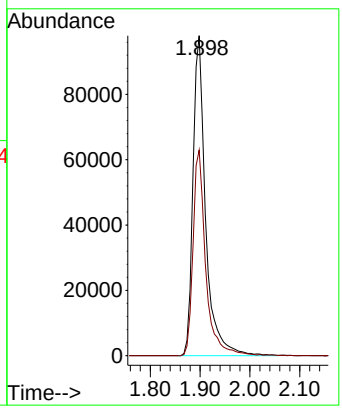




#7
Trichlorofluoromethane
Concen: 50.307 ug/l
RT: 1.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:101 Resp: 17256

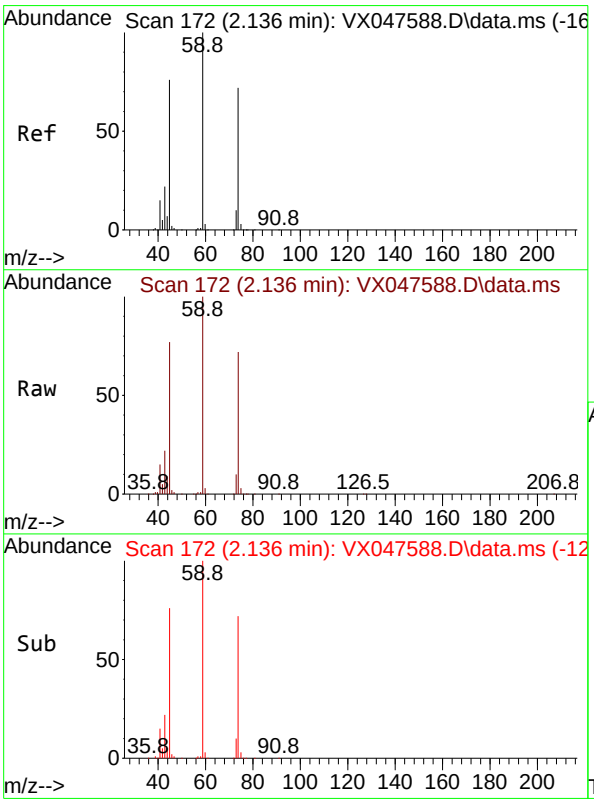
Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

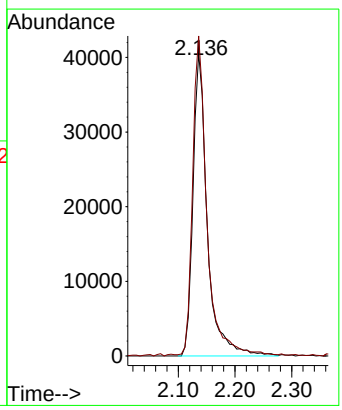
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

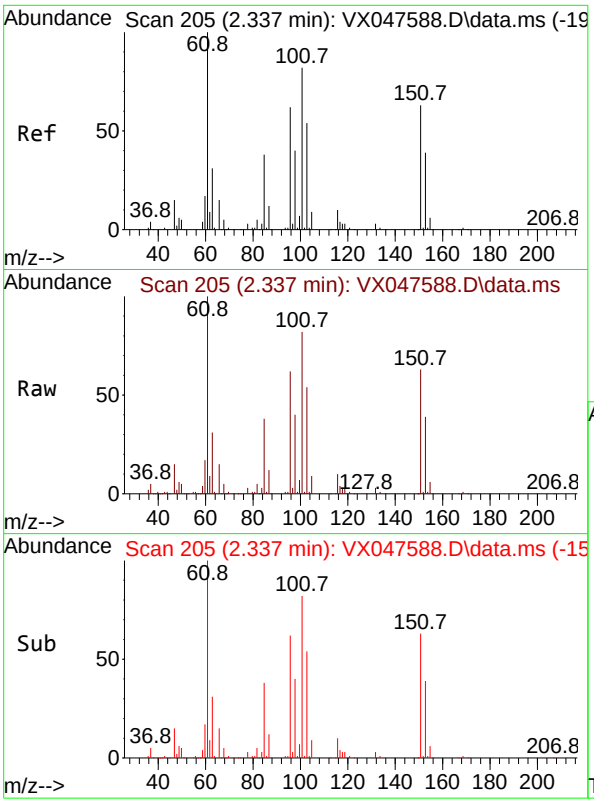


#8
Diethyl Ether
Concen: 50.510 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 74 Resp: 70874

Ion	Ratio	Lower	Upper
74	100		
45	104.5	52.3	156.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.445 ug/l
RT: 2.337 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

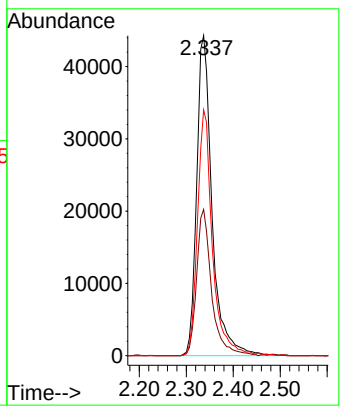
Tgt Ion:101 Resp: 10117

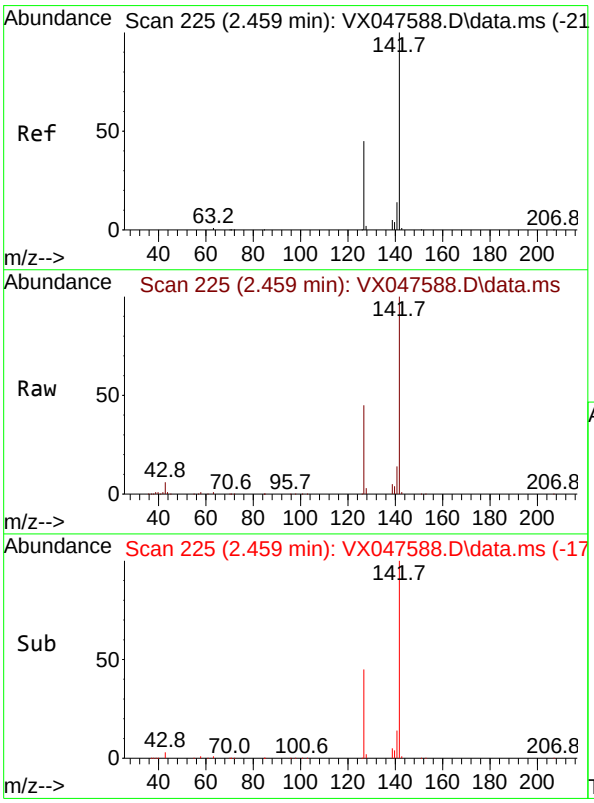
Ion	Ratio	Lower	Upper
101	100		
85	44.4	35.5	53.3
151	74.2	59.4	89.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

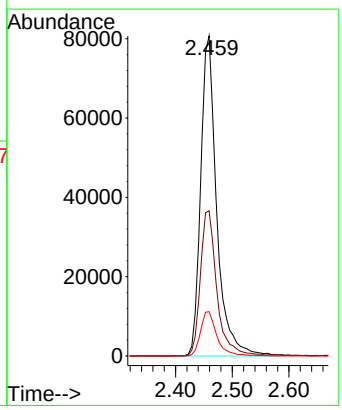


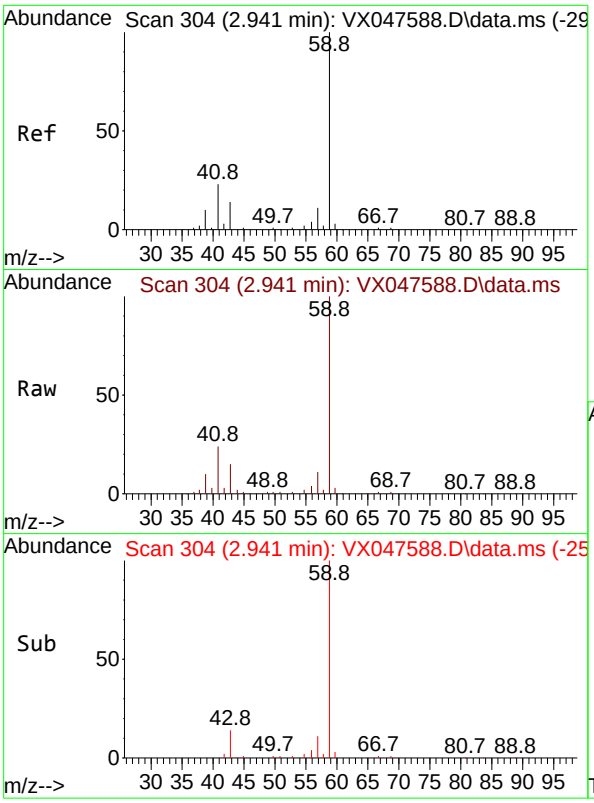


#10
Methyl Iodide
Concen: 50.525 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:142 Resp: 158046

Ion	Ratio	Lower	Upper
142	100		
127	46.5	37.2	55.8
141	14.2	11.4	17.0

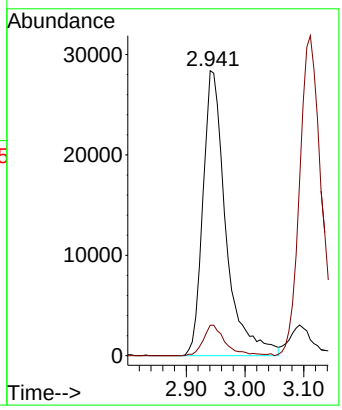




#11
Tert butyl alcohol
Concen: 251.232 ug/l
RT: 2.941 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 59 Resp: 7723

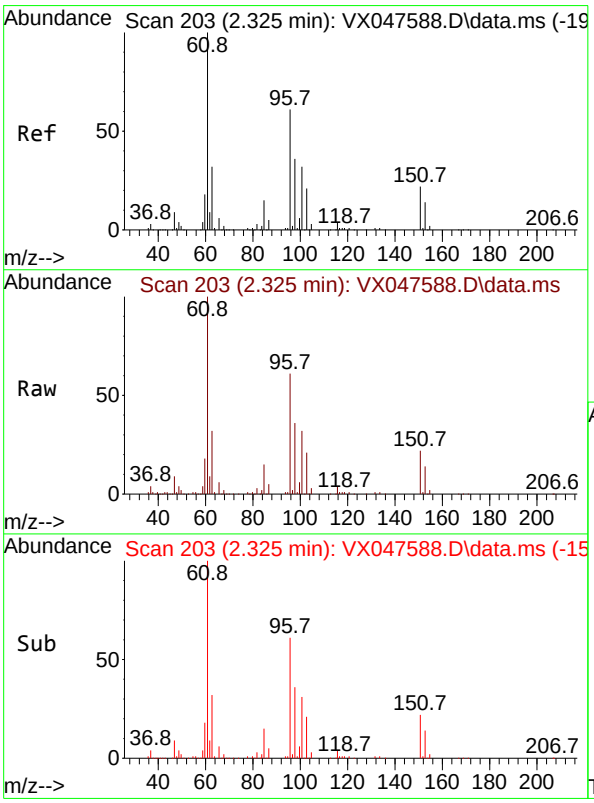
Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

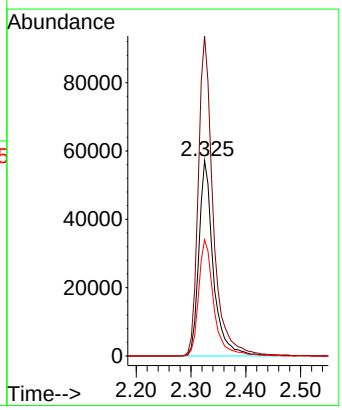
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

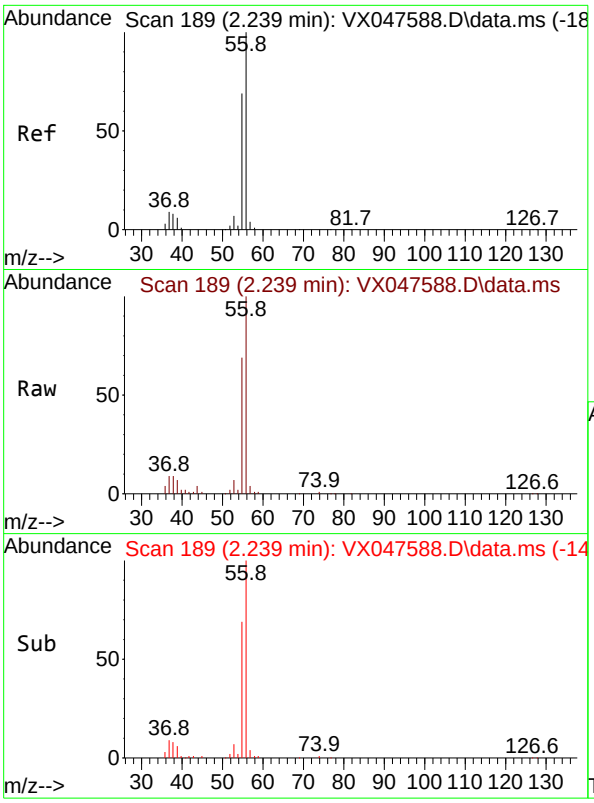


#12
1,1-Dichloroethene
Concen: 50.831 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 96 Resp: 104724

Ion	Ratio	Lower	Upper
96	100		
61	163.8	131.0	196.6
98	59.6	47.7	71.5





#13
Acrolein
Concen: 249.645 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

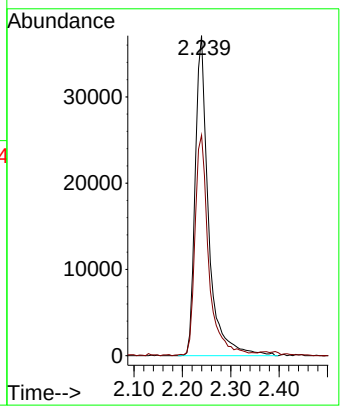
Tgt Ion: 56 Resp: 7072

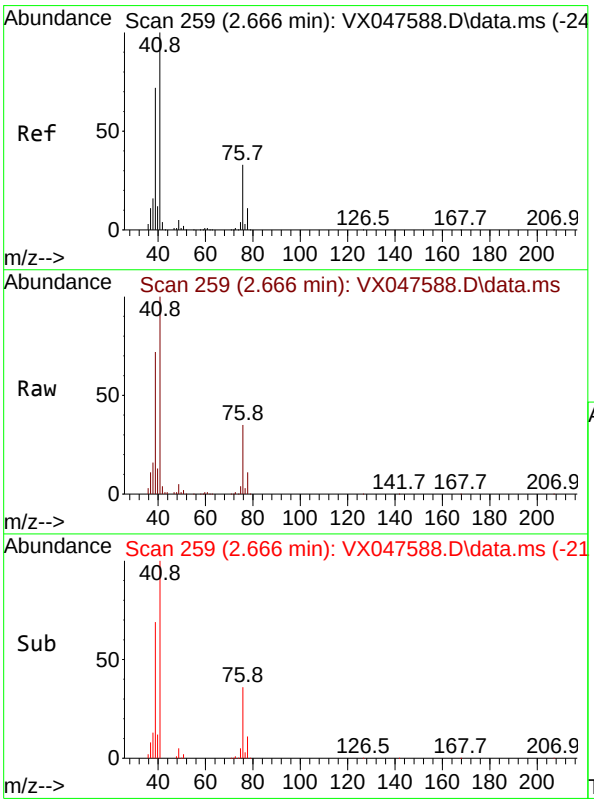
Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.2	85.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

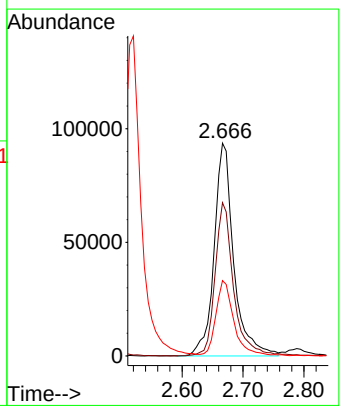


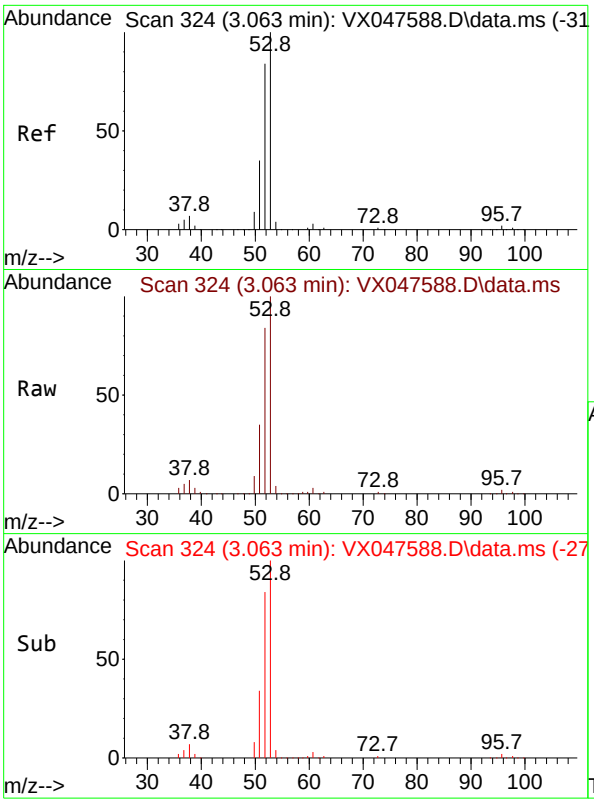


#14
Allyl chloride
Concen: 49.396 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 41 Resp: 210001

Ion	Ratio	Lower	Upper
41	100		
39	68.4	54.7	82.1
76	32.1	25.7	38.5

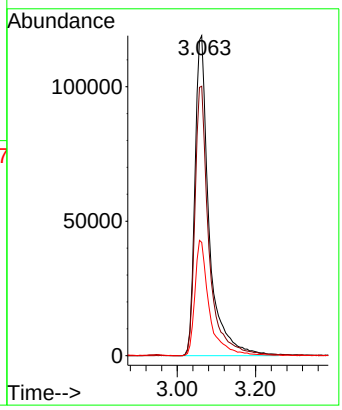




#15
Acrylonitrile
Concen: 264.027 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 53 Resp: 30064

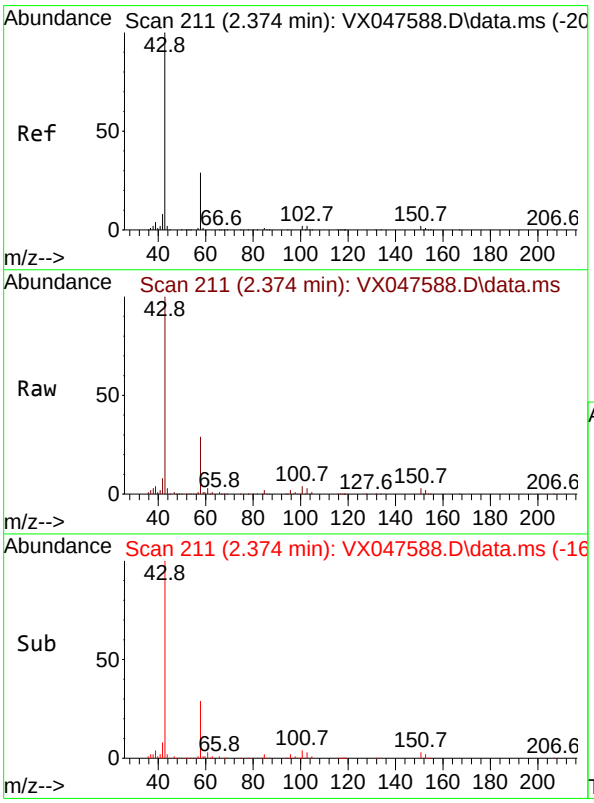
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.4	99.6
51	36.9	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

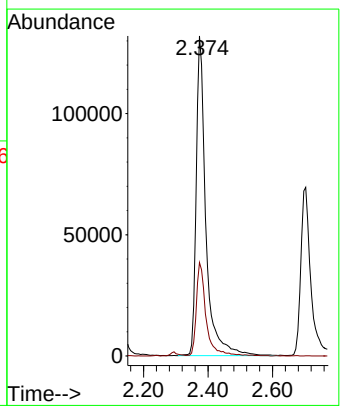
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

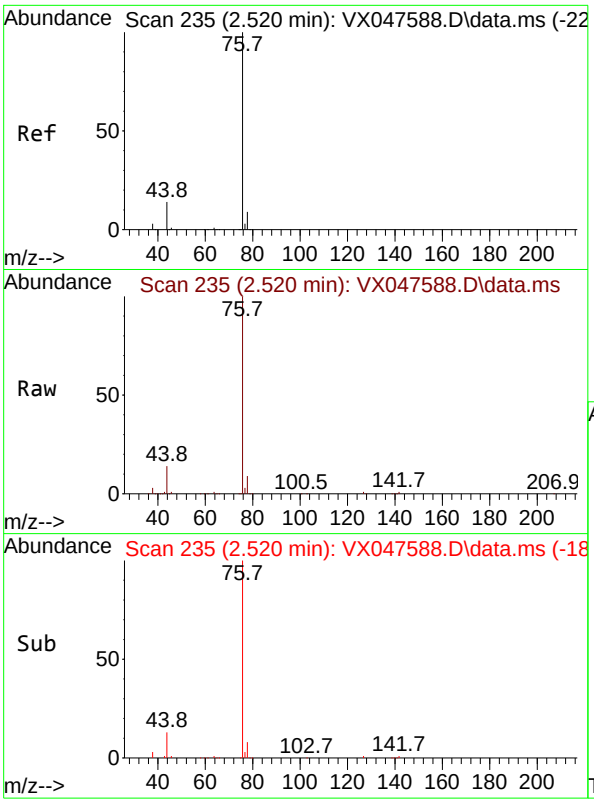


#16
Acetone
Concen: 229.193 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 275065

Ion	Ratio	Lower	Upper
43	100		
58	29.2	23.4	35.0





#17
Carbon Disulfide
Concen: 48.133 ug/l
RT: 2.520 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

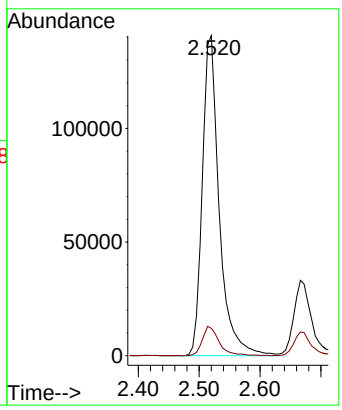
Tgt Ion: 76 Resp: 27148

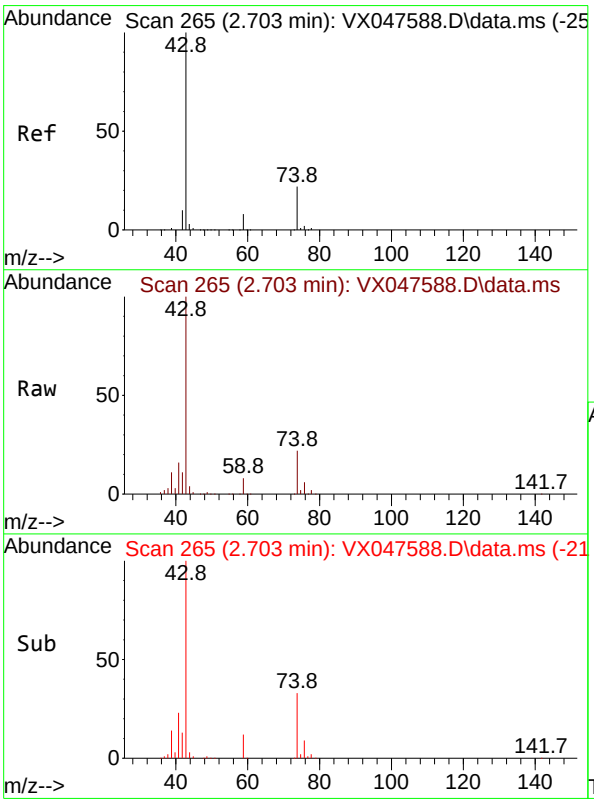
Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.8	10.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

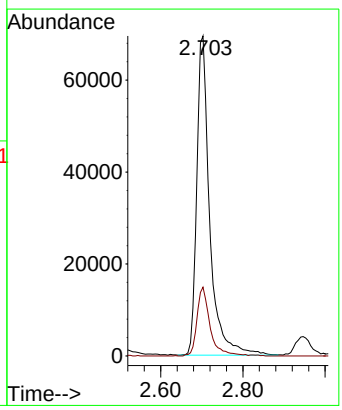


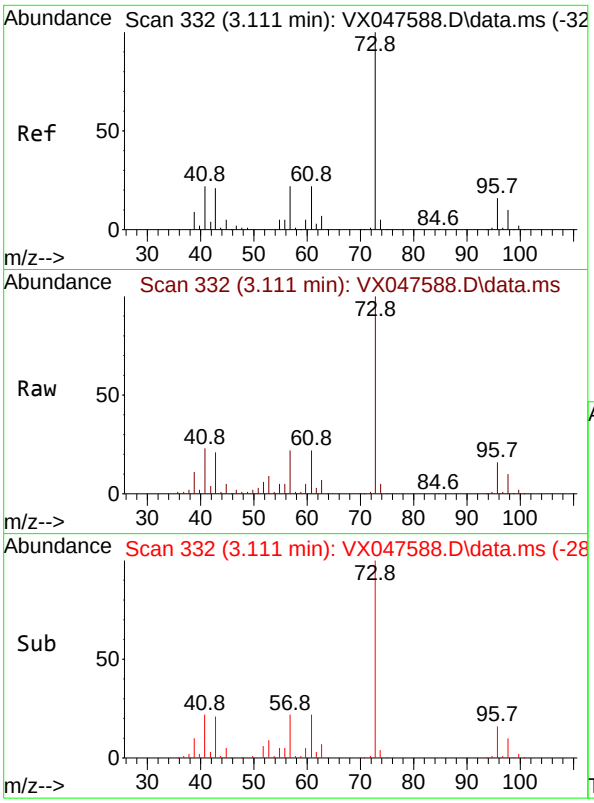


#18
Methyl Acetate
Concen: 56.897 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 151968

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2

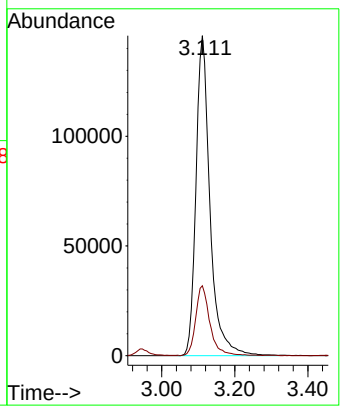




#19
Methyl tert-butyl Ether
Concen: 51.804 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 73 Resp: 38960

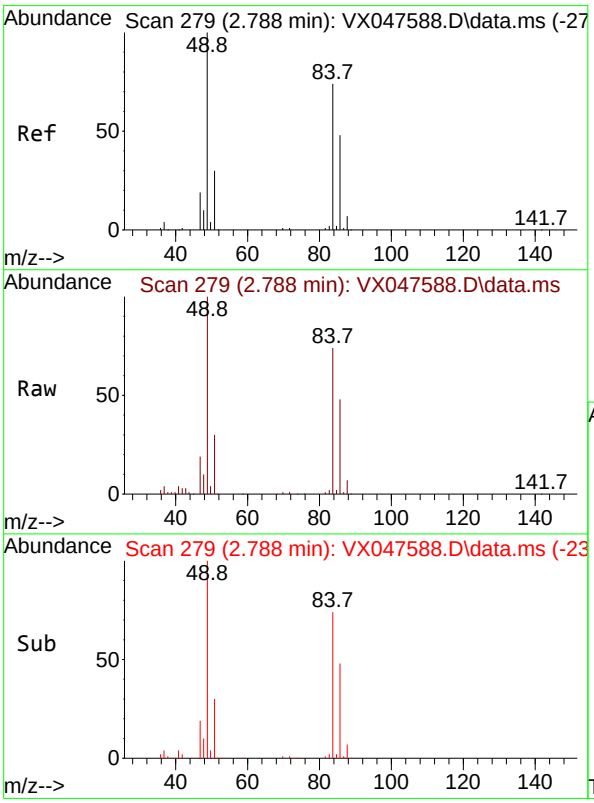
Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

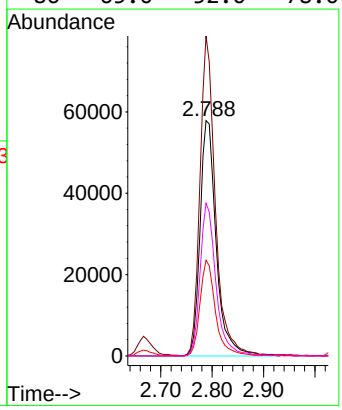
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

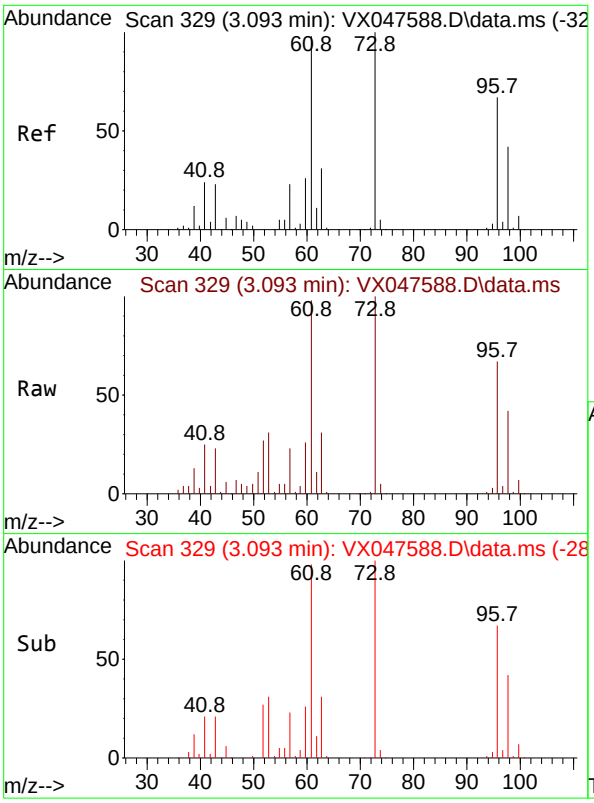


#20
Methylene Chloride
Concen: 49.798 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 84 Resp: 126506

Ion	Ratio	Lower	Upper
84	100		
49	135.7	108.6	162.8
51	40.7	32.6	48.8
86	65.0	52.0	78.0

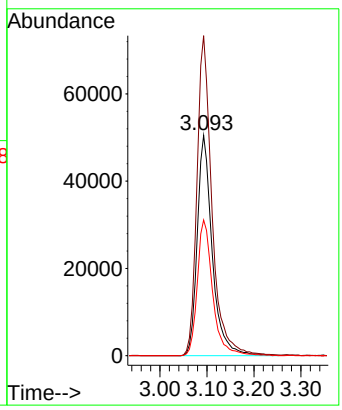




#21
trans-1,2-Dichloroethene
Concen: 50.743 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 96 Resp: 11255

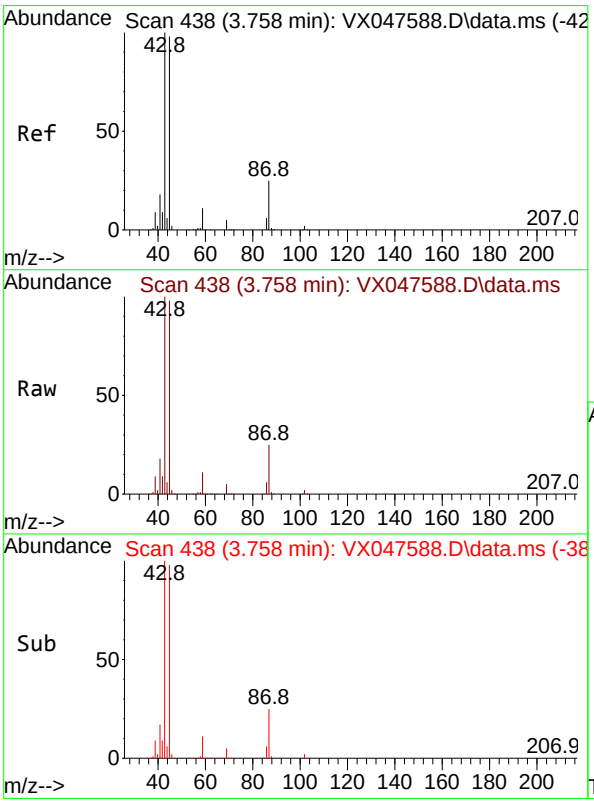
Ion	Ratio	Lower	Upper
96	100		
61	145.2	116.2	174.2
98	61.6	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

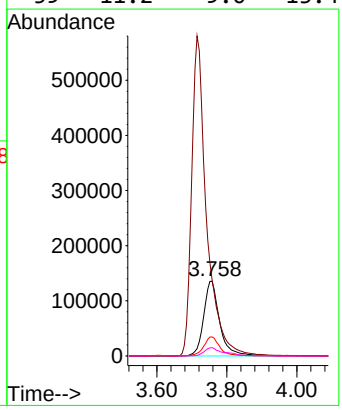
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

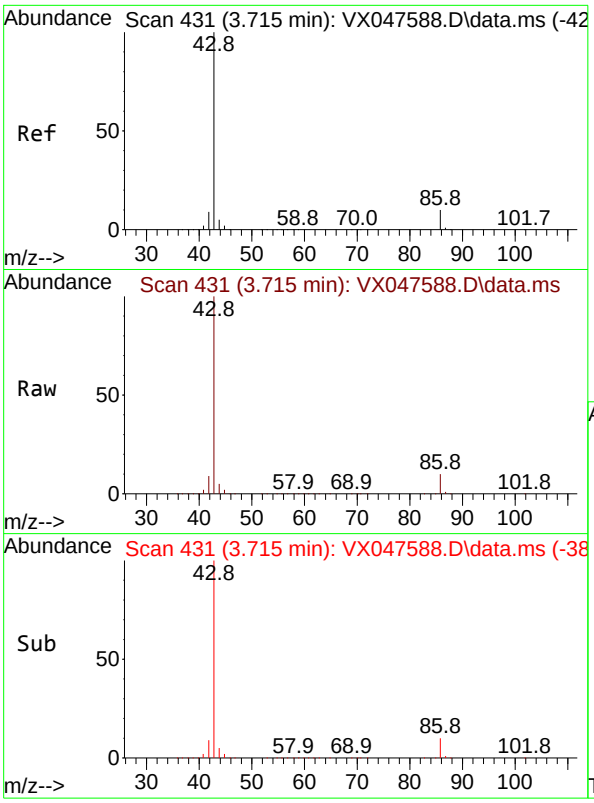


#22
Diisopropyl ether
Concen: 52.131 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 45 Resp: 429524

Ion	Ratio	Lower	Upper
45	100		
43	101.2	81.0	121.4
87	25.4	20.3	30.5
59	11.2	9.0	13.4





#23
Vinyl Acetate
Concen: 261.852 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

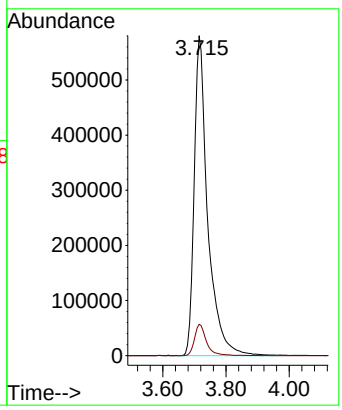
Tgt Ion: 43 Resp: 172673

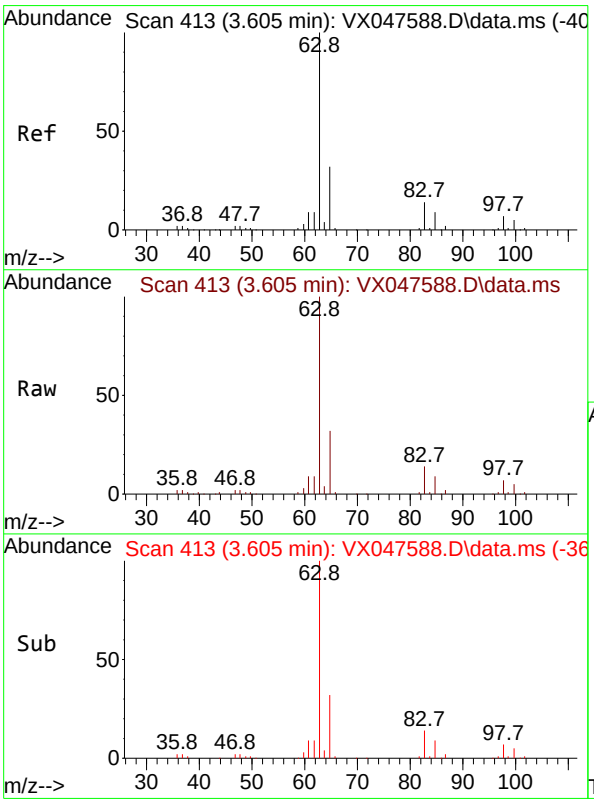
Ion	Ratio	Lower	Upper
43	100		
86	9.8	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

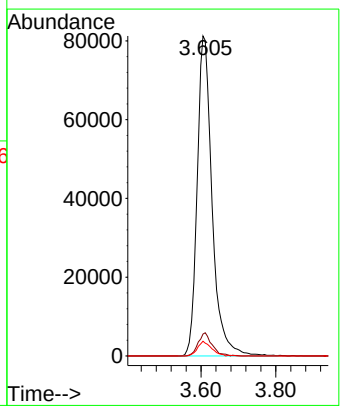


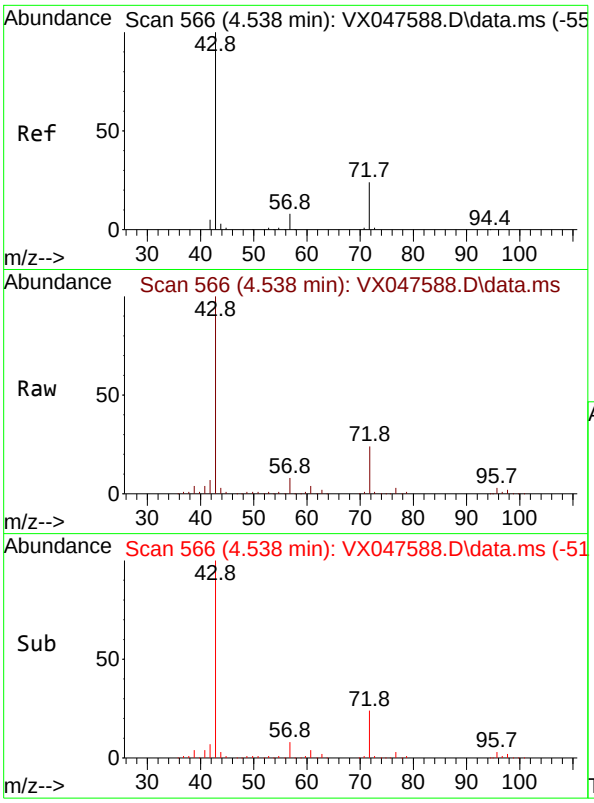


#24
1,1-Dichloroethane
Concen: 51.338 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 63 Resp: 224824

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.8	11.2
100	4.6	2.3	6.9





#25
2-Butanone
Concen: 254.060 ug/l
RT: 4.538 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

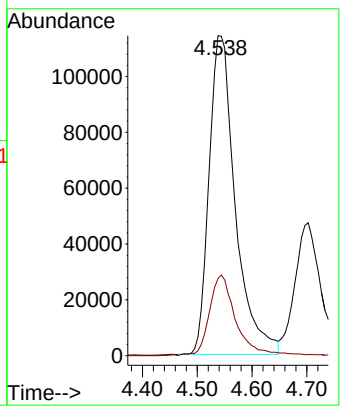
Tgt Ion: 43 Resp: 38033

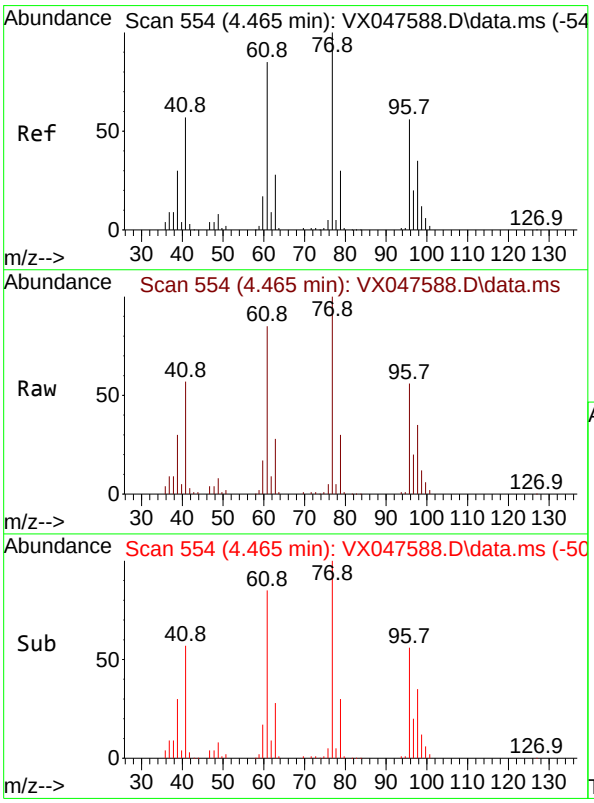
Ion	Ratio	Lower	Upper
43	100		
72	25.1	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

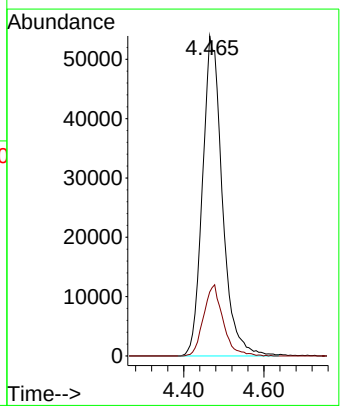


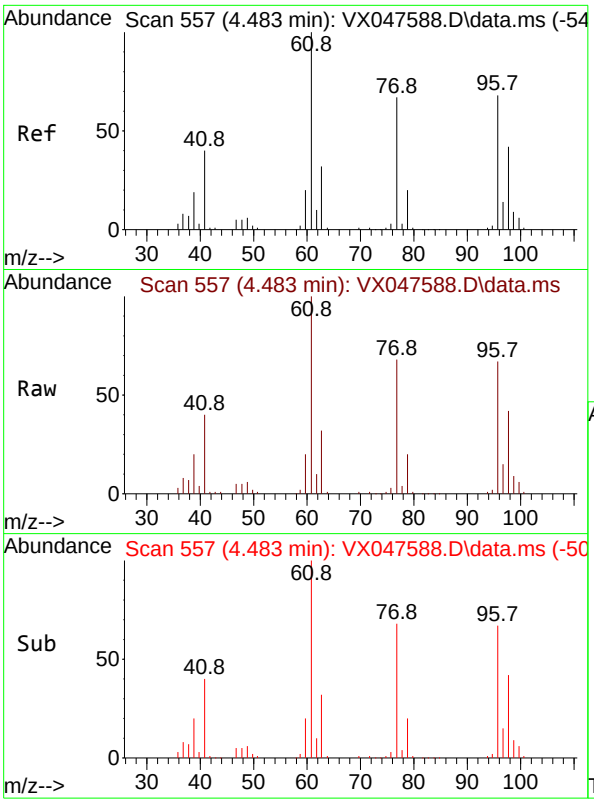


#26
2,2-Dichloropropane
Concen: 50.888 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 77 Resp: 185247

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.9	32.7

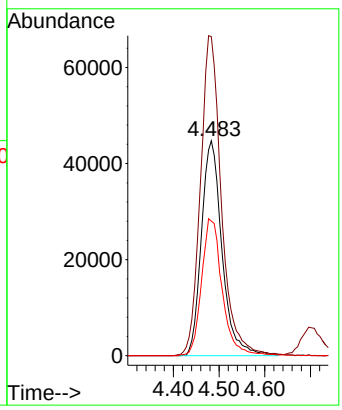




#27
cis-1,2-Dichloroethene
Concen: 51.576 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 96 Resp: 14010

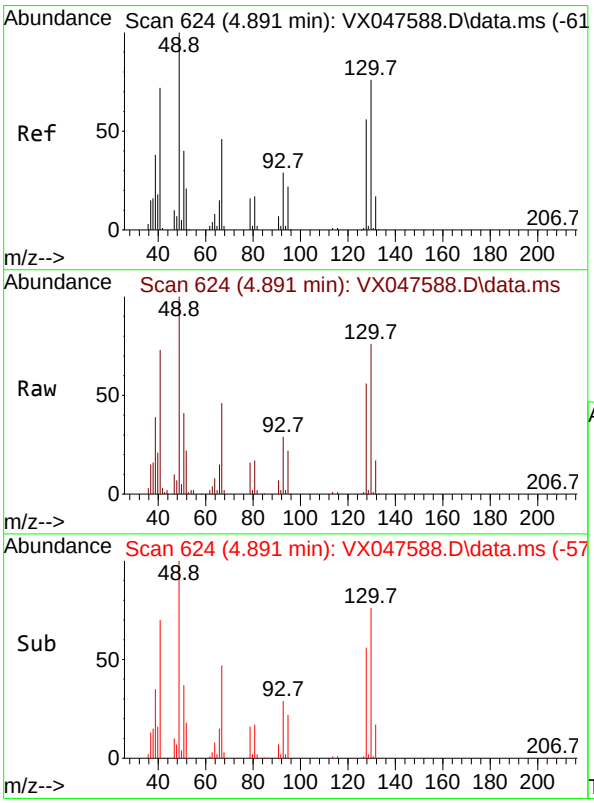
Ion	Ratio	Lower	Upper
96	100		
61	151.6	0.0	303.2
98	63.9	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

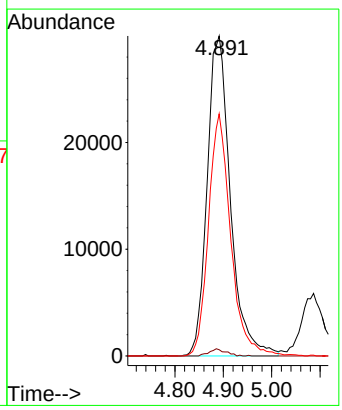
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

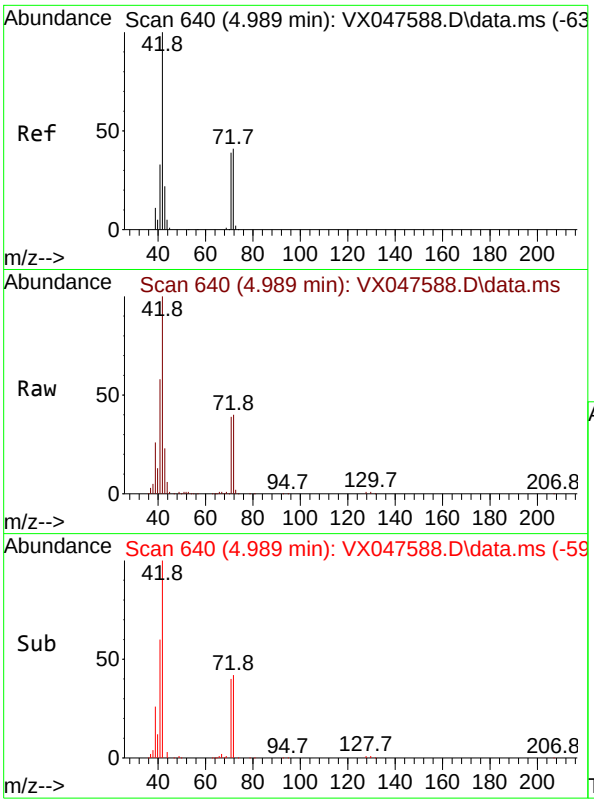


#28
Bromochloromethane
Concen: 52.301 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 49 Resp: 99991

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.2
130	72.3	57.8	86.8





#29
Tetrahydrofuran
Concen: 265.026 ug/l
RT: 4.989 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

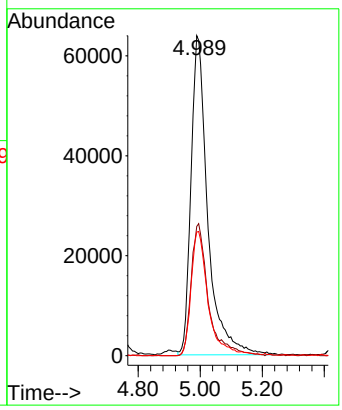
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

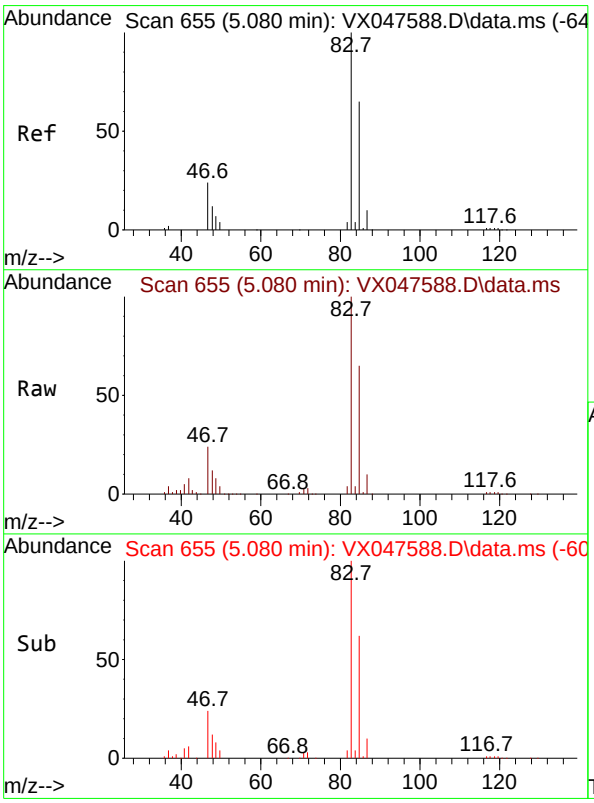
Tgt Ion: 42 Resp: 23867

Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	39.9	31.9	47.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

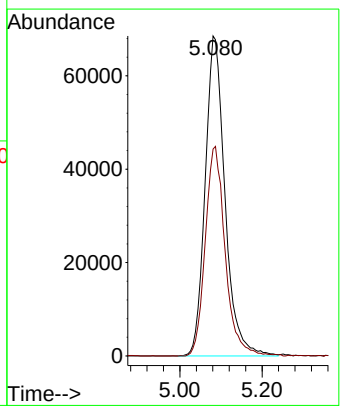


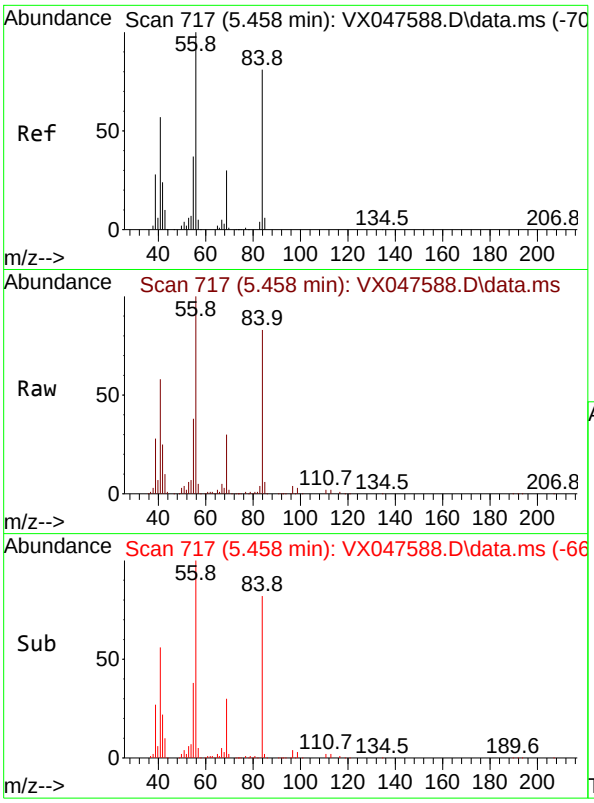


#30
Chloroform
Concen: 51.844 ug/l
RT: 5.080 min Scan# 655
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 83 Resp: 229430

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6

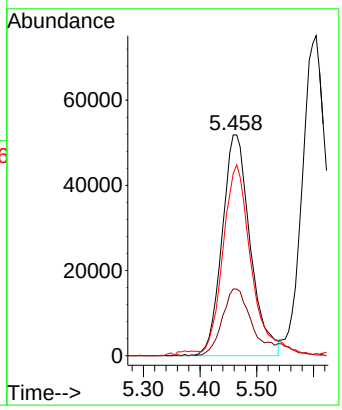




#31
Cyclohexane
Concen: 48.952 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 56 Resp: 17854

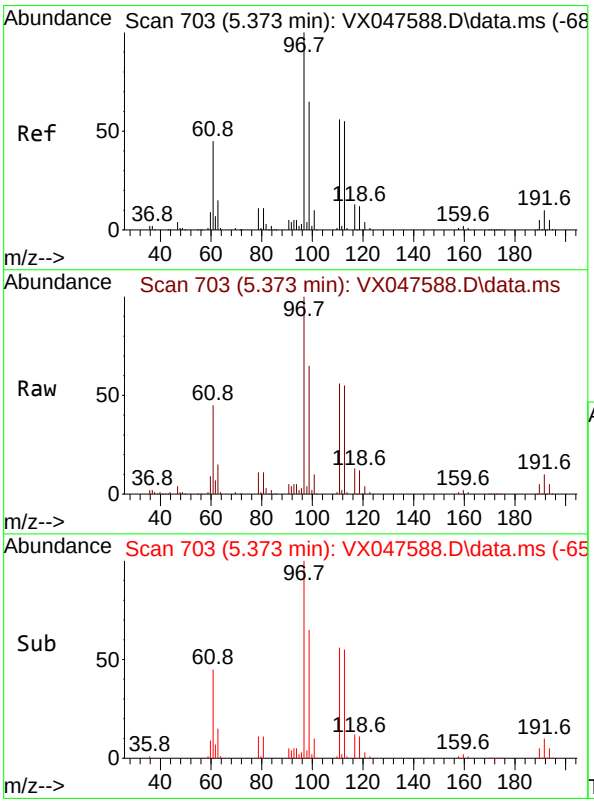
Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.8	35.8
84	80.8	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

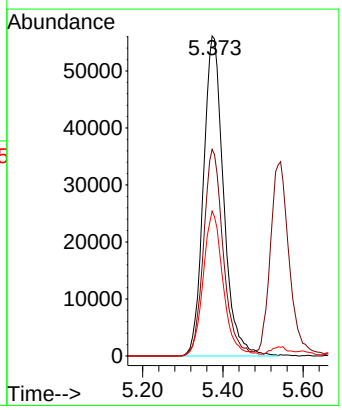
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

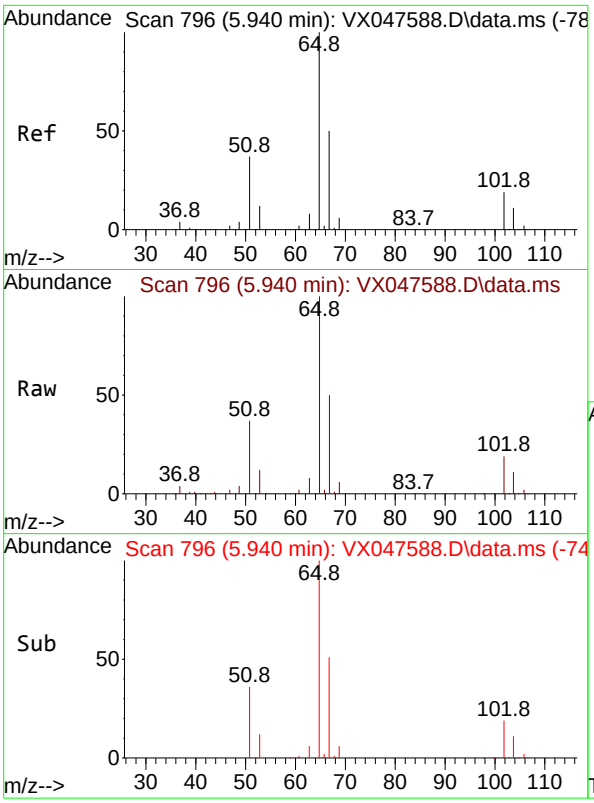


#32
1,1,1-Trichloroethane
Concen: 52.058 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 97 Resp: 195407

Ion	Ratio	Lower	Upper
97	100		
99	63.3	50.6	76.0
61	44.8	35.8	53.8

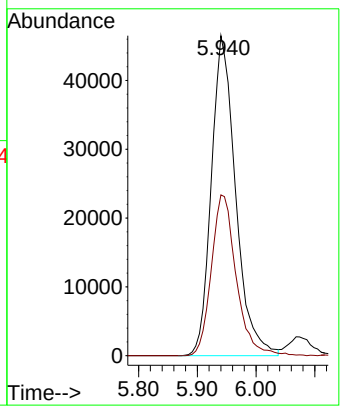




#33
1,2-Dichloroethane-d4
Concen: 48.404 ug/l
RT: 5.940 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 65 Resp: 13360

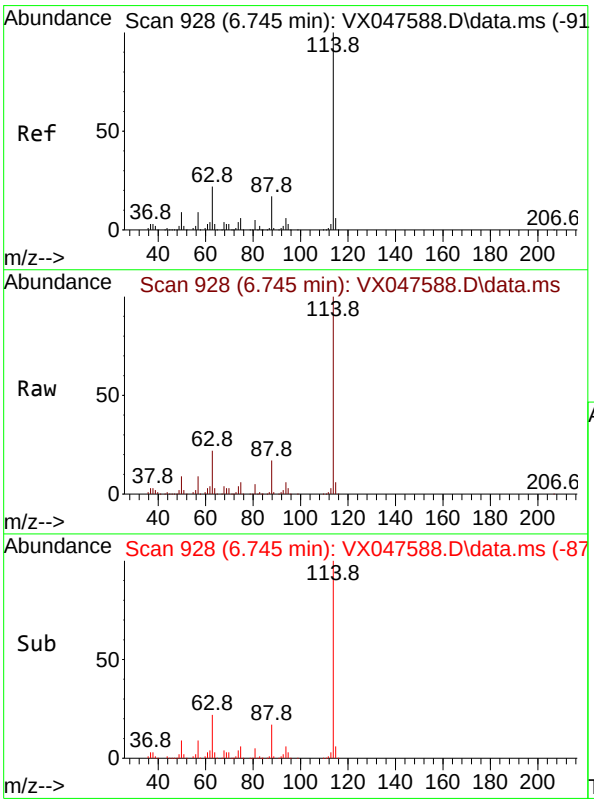
Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

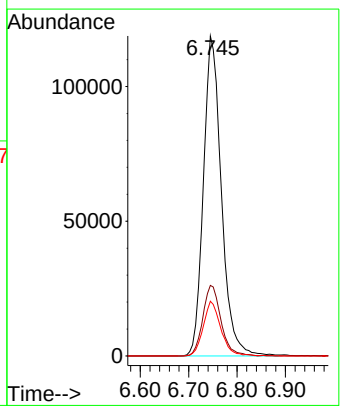
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

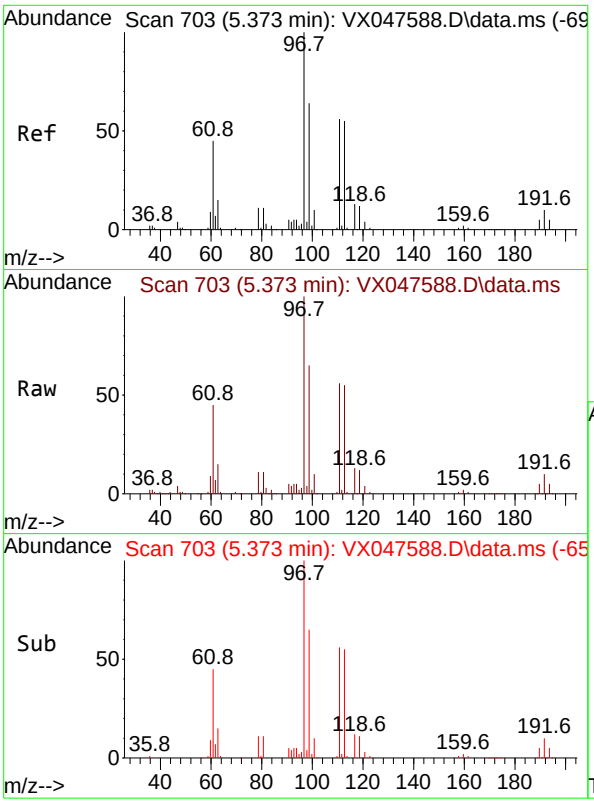


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:114 Resp: 307383

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.0
88	17.1	0.0	34.2

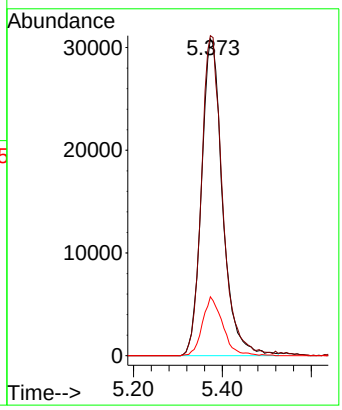




#35
Dibromofluoromethane
Concen: 49.298 ug/l
RT: 5.373 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:113 Resp: 10162

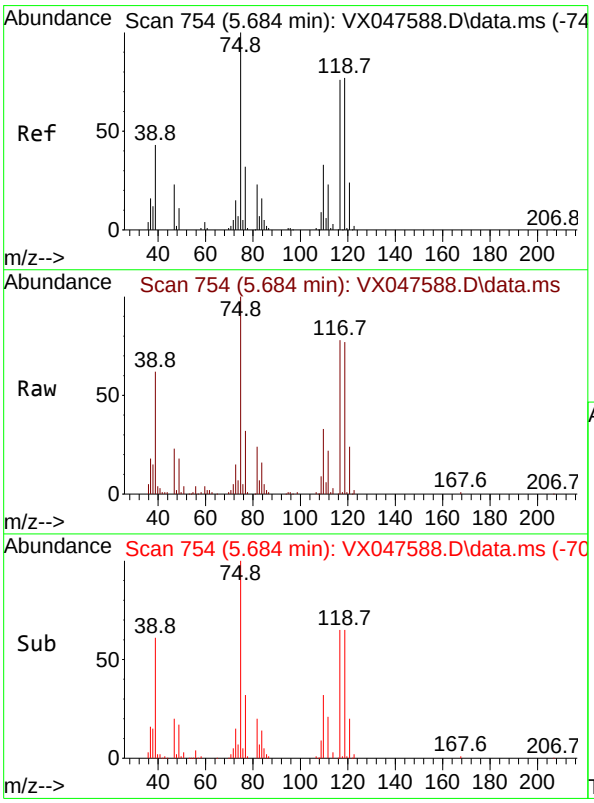
Ion	Ratio	Lower	Upper
113	100		
111	101.1	80.9	121.3
192	17.8	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

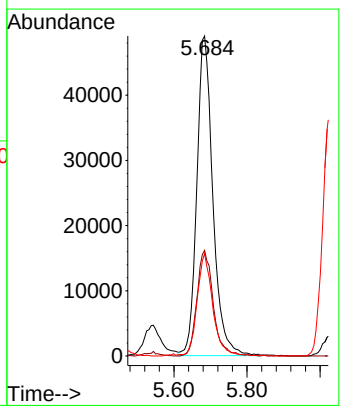
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

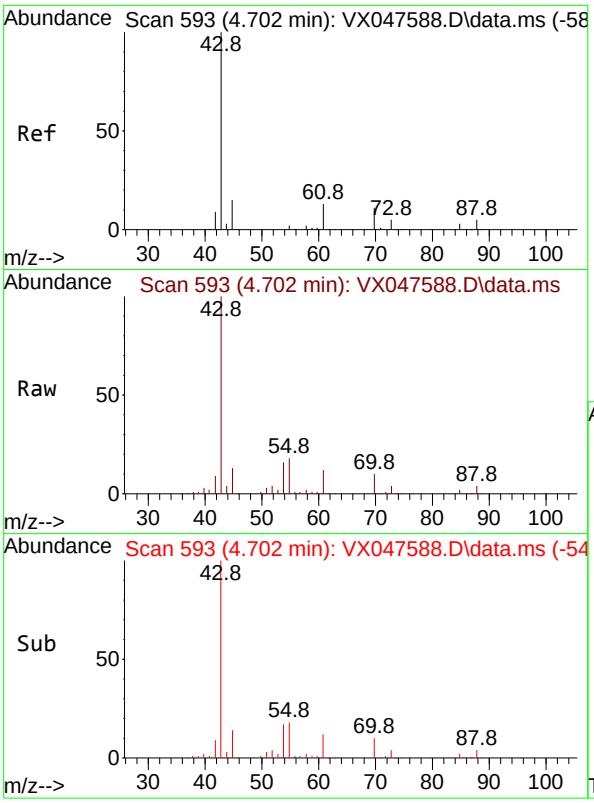


#36
1,1-Dichloropropene
Concen: 49.729 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 149800

Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.7	50.1
77	30.4	24.3	36.5





#37
Ethyl Acetate
Concen: 50.687 ug/l
RT: 4.702 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

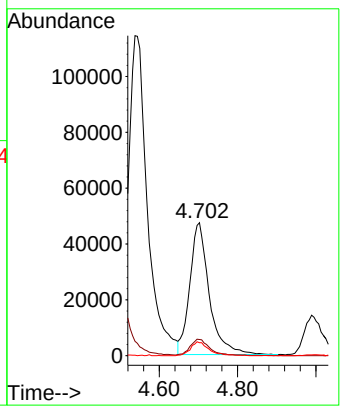
Tgt Ion: 43 Resp: 16348

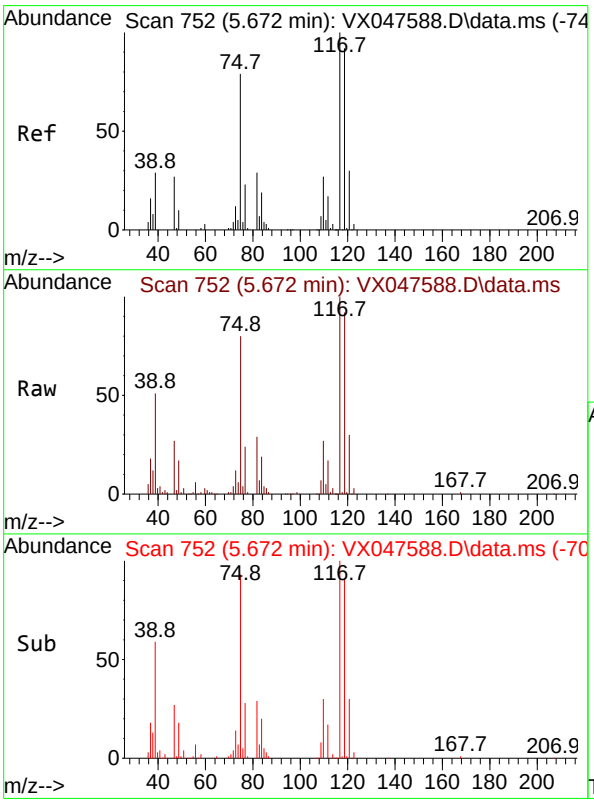
Ion	Ratio	Lower	Upper
43	100		
61	12.3	9.8	14.8
70	9.9	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

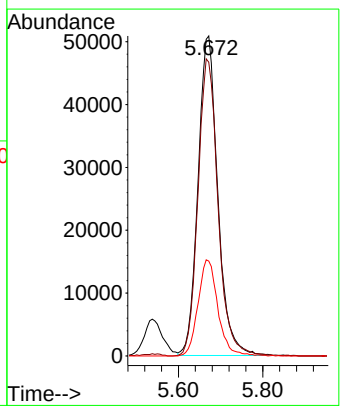


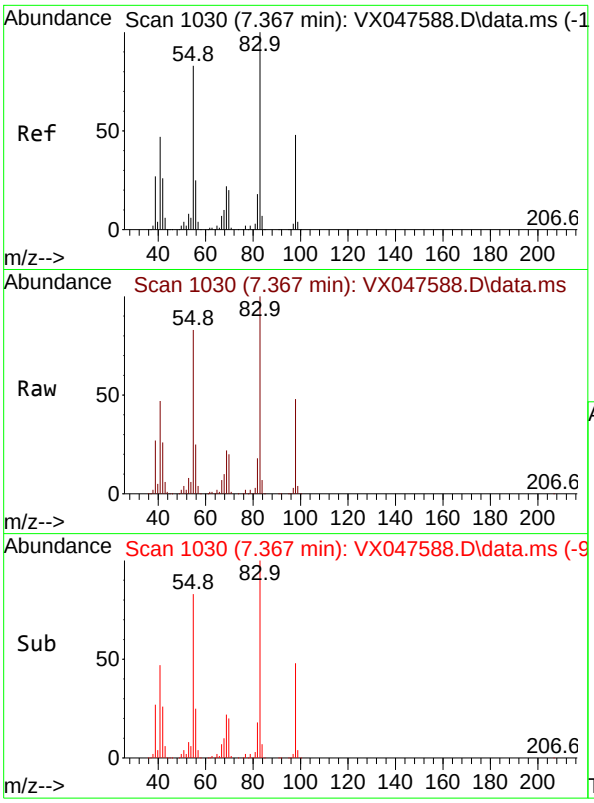


#38
Carbon Tetrachloride
Concen: 50.637 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:117 Resp: 165730

Ion	Ratio	Lower	Upper
117	100		
119	91.8	73.4	110.2
121	29.7	23.8	35.6

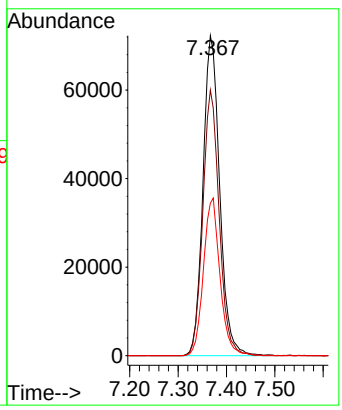




#39
Methylcyclohexane
Concen: 50.773 ug/l
RT: 7.367 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 83 Resp: 17361

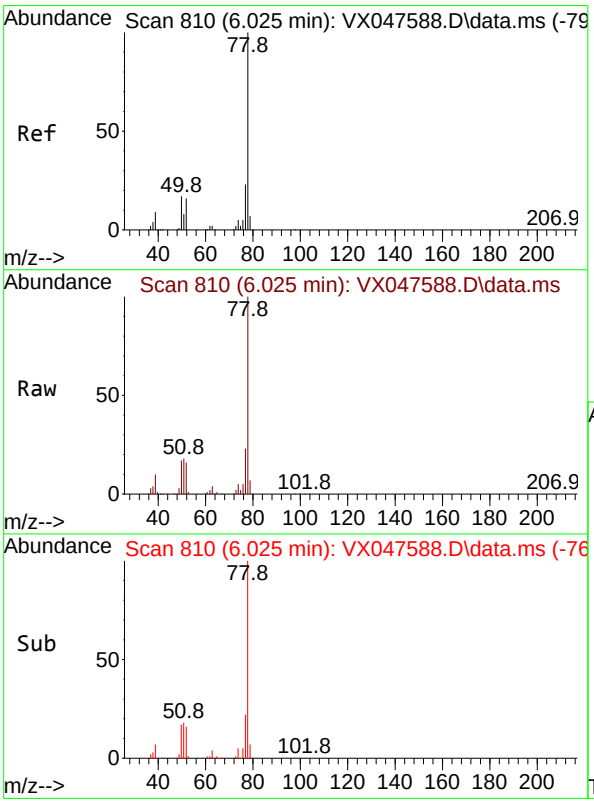
Ion	Ratio	Lower	Upper
83	100		
55	83.0	66.4	99.6
98	47.6	38.1	57.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

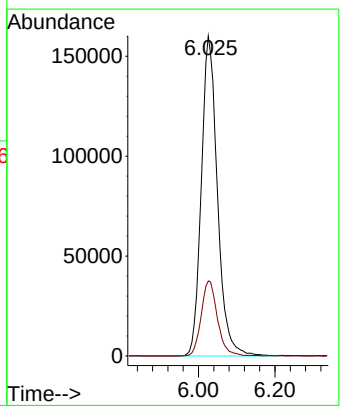
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

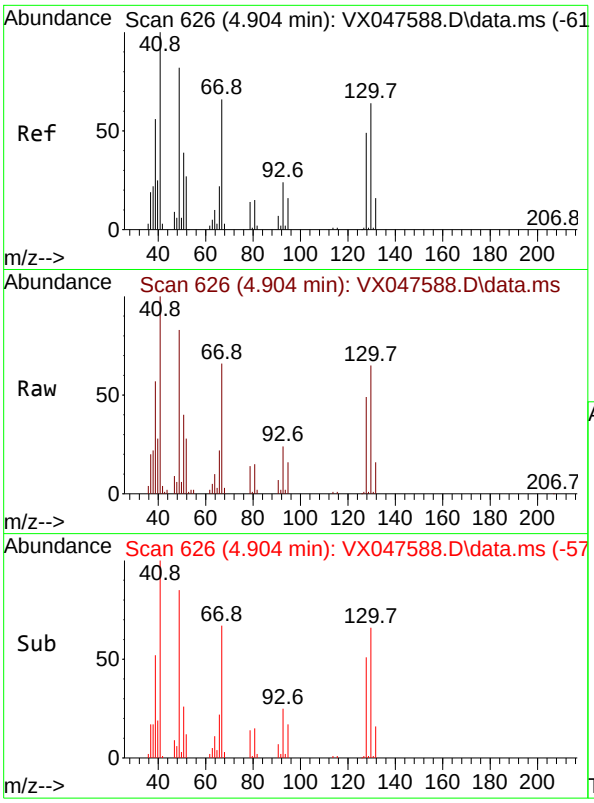


#40
Benzene
Concen: 51.167 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 78 Resp: 468136

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2

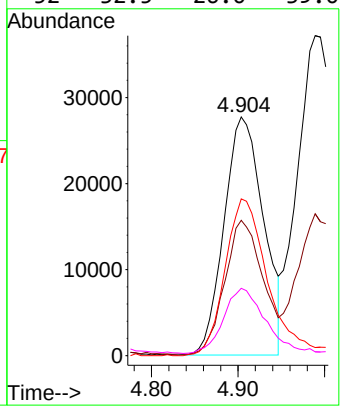




#41
Methacrylonitrile
Concen: 52.707 ug/l
RT: 4.904 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 41 Resp: 8776

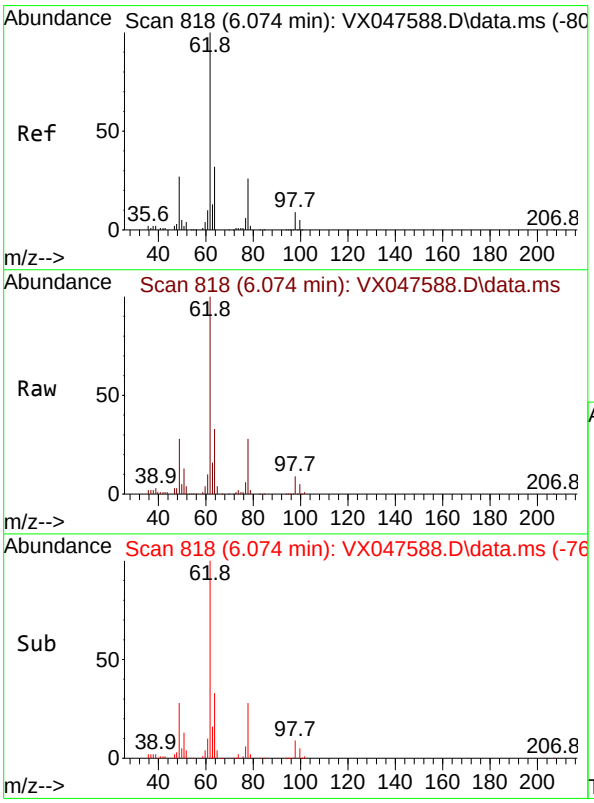
Ion	Ratio	Lower	Upper
41	100		
39	54.1	43.3	64.9
67	73.2	58.6	87.8
52	32.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

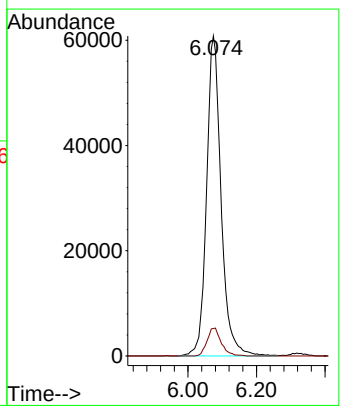
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

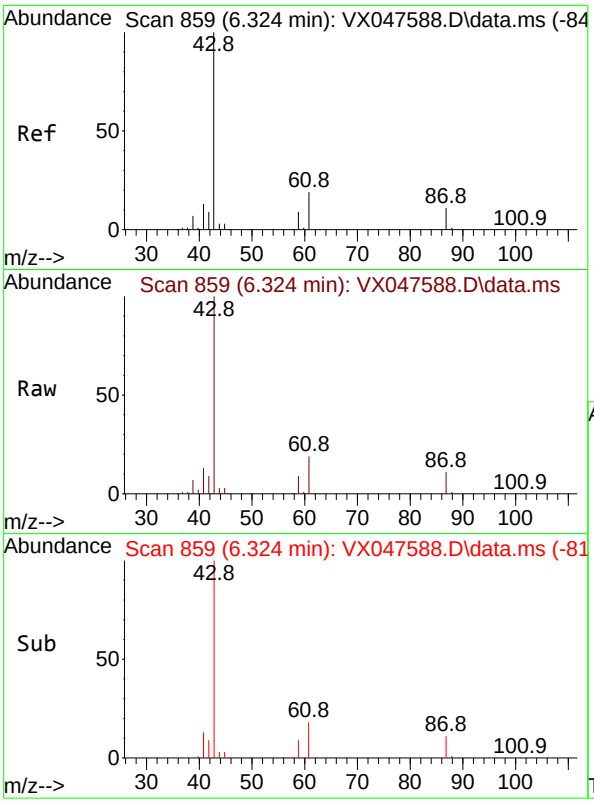


#42
1,2-Dichloroethane
Concen: 51.431 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 62 Resp: 179037

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.0

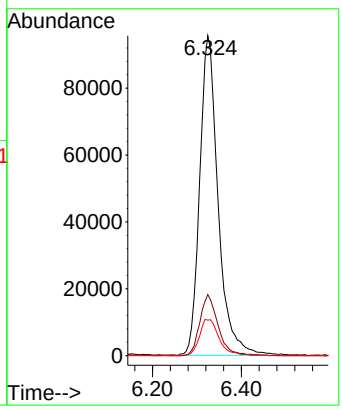




#43
Isopropyl Acetate
Concen: 52.096 ug/l
RT: 6.324 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 27557

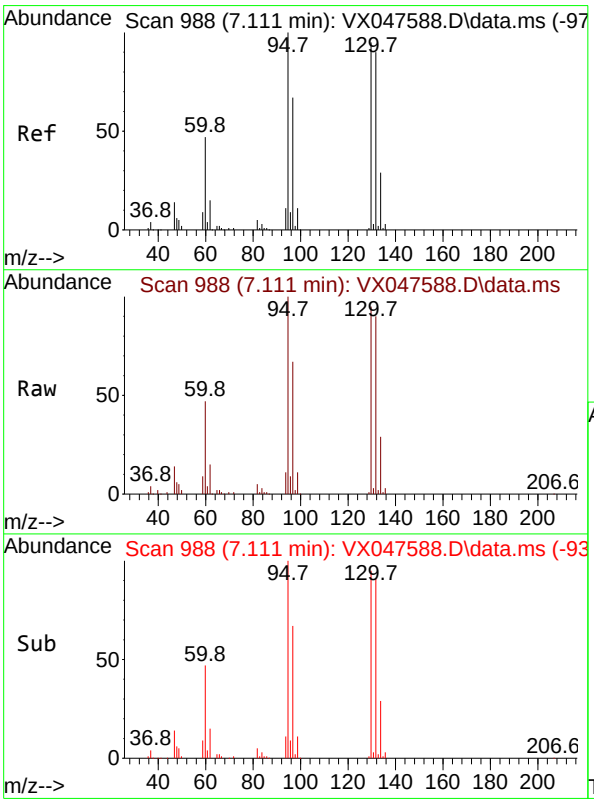
Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.2	22.8
87	12.0	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

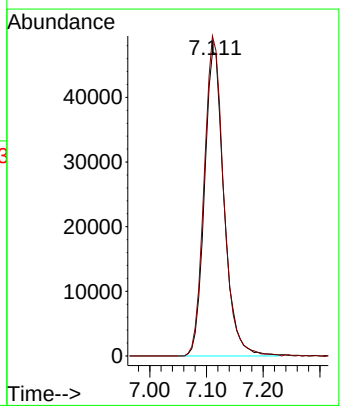
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

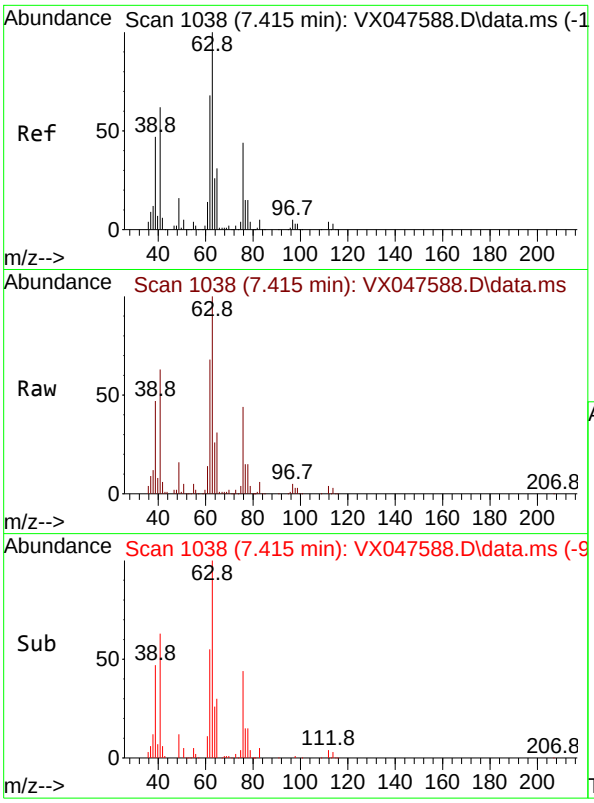


#44
Trichloroethene
Concen: 51.463 ug/l
RT: 7.111 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:130 Resp: 113832

Ion	Ratio	Lower	Upper
130	100		
95	105.4	0.0	210.8





#45
1,2-Dichloropropane
Concen: 52.122 ug/l
RT: 7.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

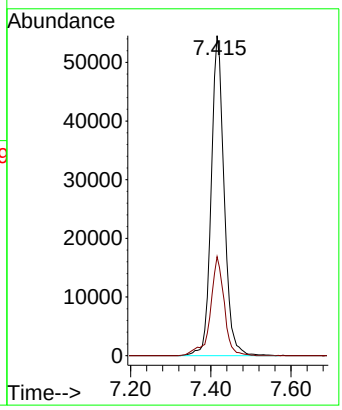
Tgt Ion: 63 Resp: 12210

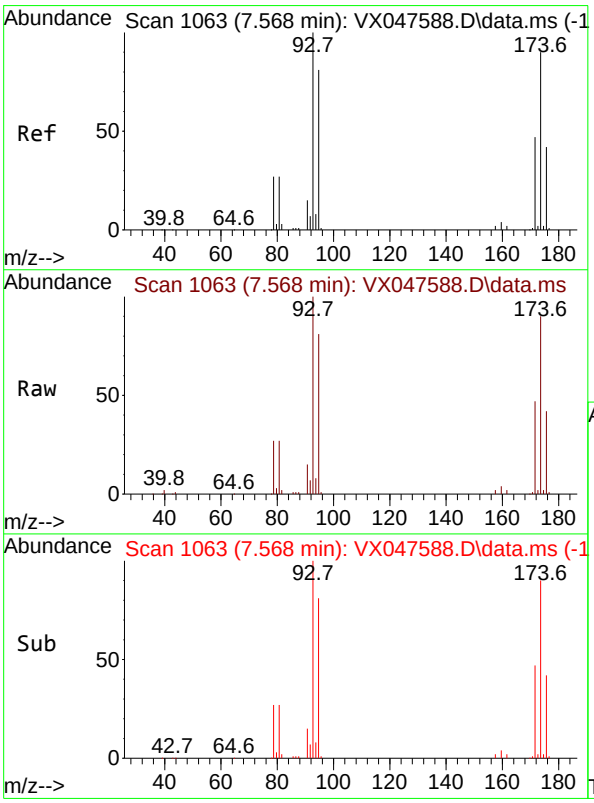
Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

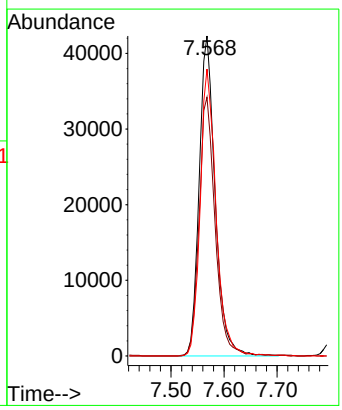


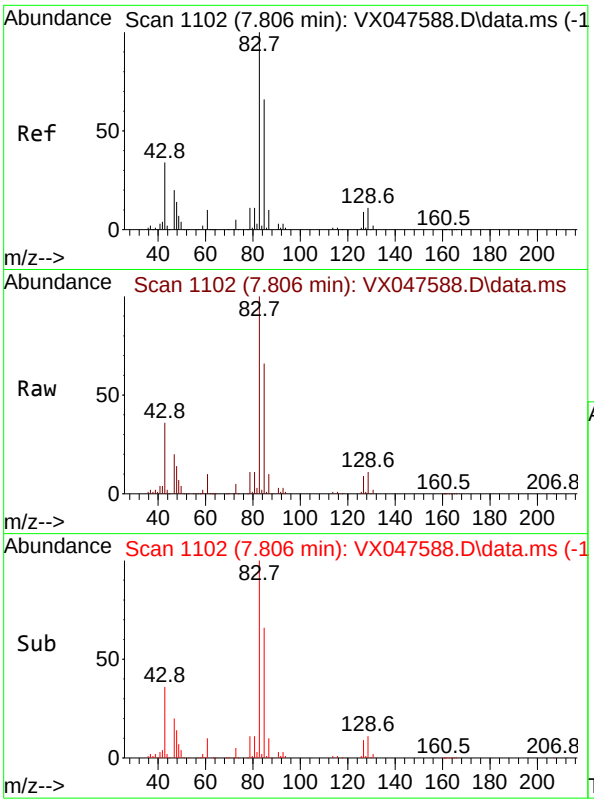


#46
Dibromomethane
Concen: 51.914 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 93 Resp: 88505

Ion	Ratio	Lower	Upper
93	100		
95	81.3	65.0	97.6
174	89.5	71.6	107.4

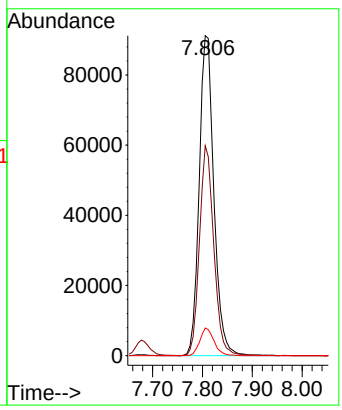




#47
Bromodichloromethane
Concen: 53.025 ug/l
RT: 7.806 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 83 Resp: 18654

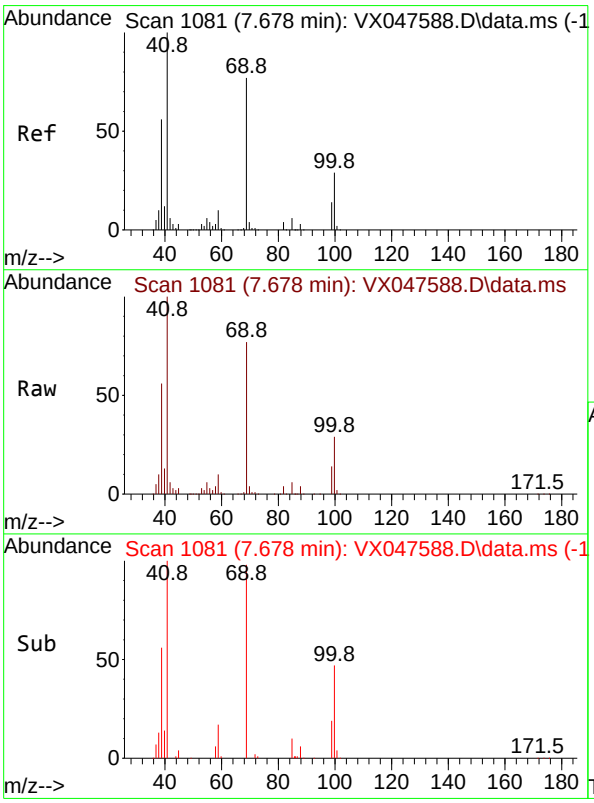
Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.5	78.7
127	8.6	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

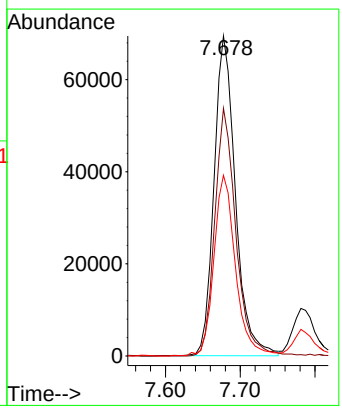
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

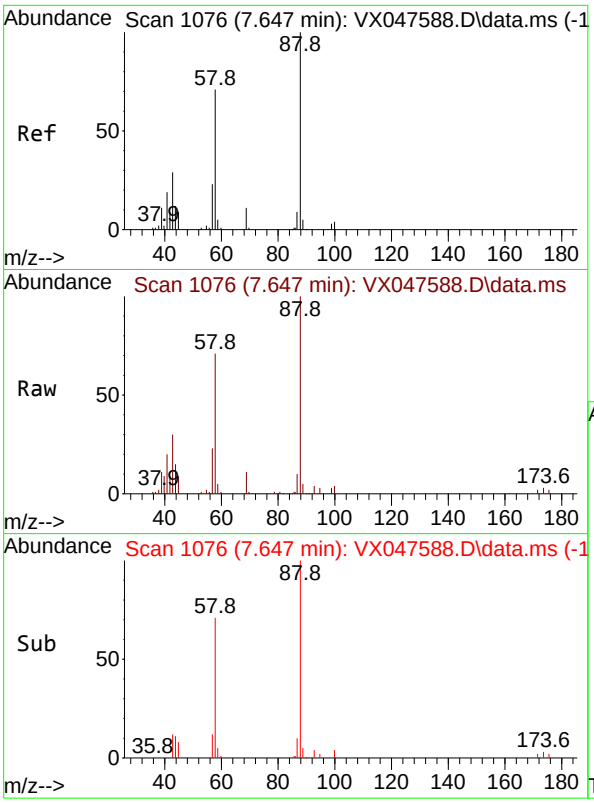


#48
Methyl methacrylate
Concen: 52.438 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 41 Resp: 138167

Ion	Ratio	Lower	Upper
41	100		
69	76.8	61.4	92.2
39	57.2	45.8	68.6

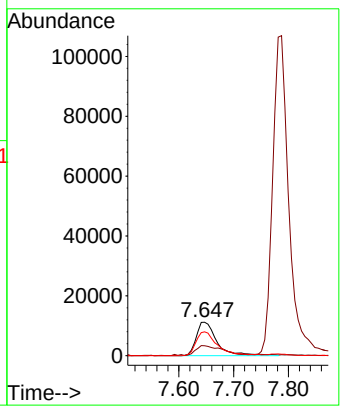




#49
1,4-Dioxane
Concen: 1107.698 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 88 Resp: 2949

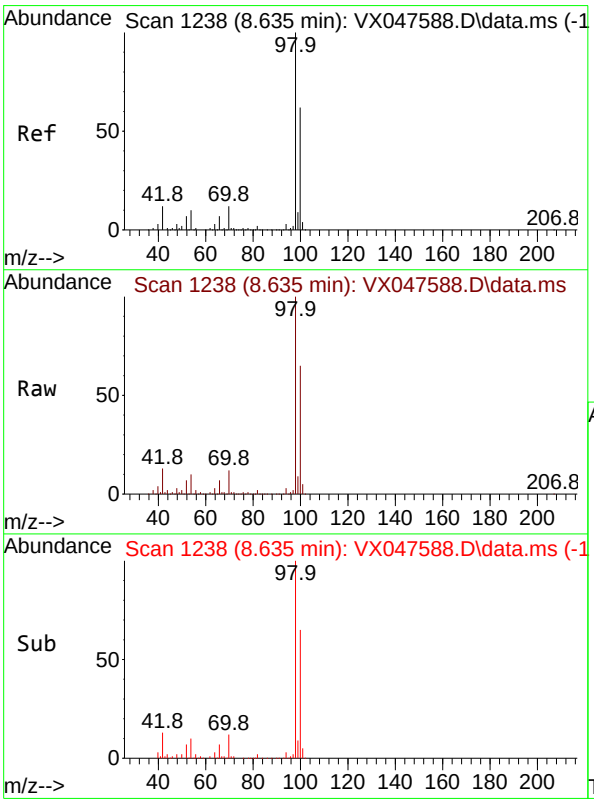
Ion	Ratio	Lower	Upper
88	100		
43	37.7	30.2	45.2
58	74.4	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

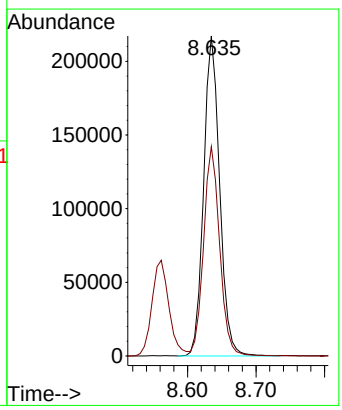
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

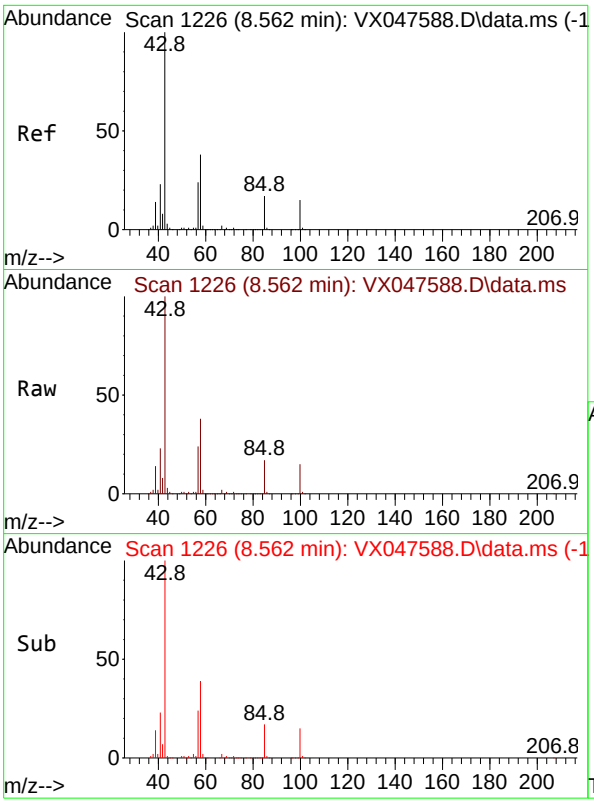


#50
Toluene-d8
Concen: 49.428 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 98 Resp: 352578

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4

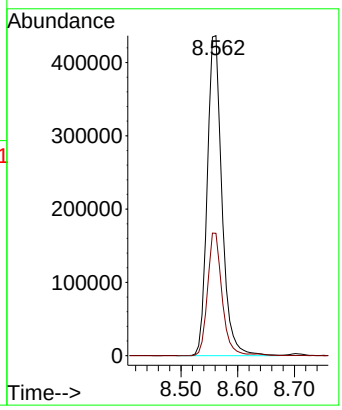




#51
4-Methyl-2-Pentanone
Concen: 267.650 ug/l
RT: 8.562 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 78497

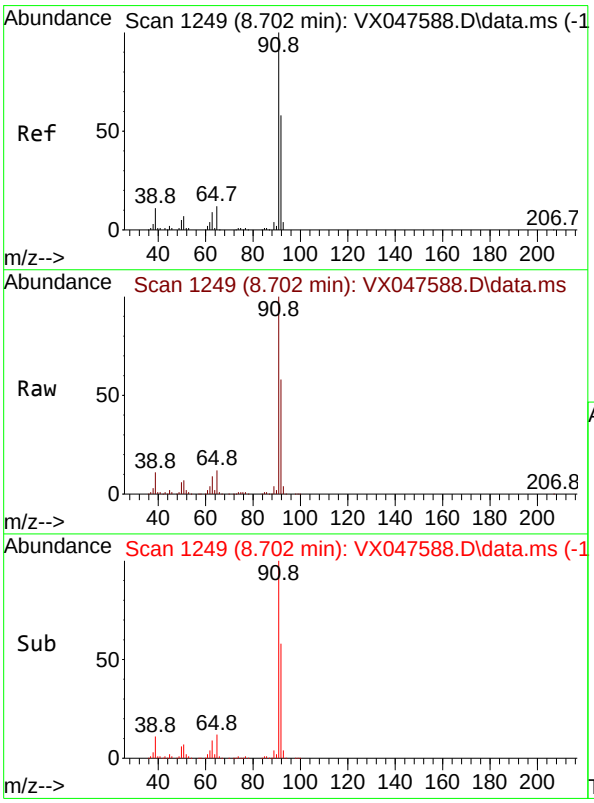
Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

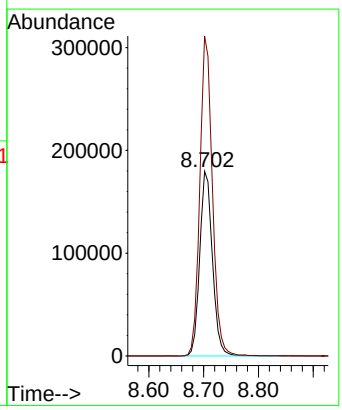
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

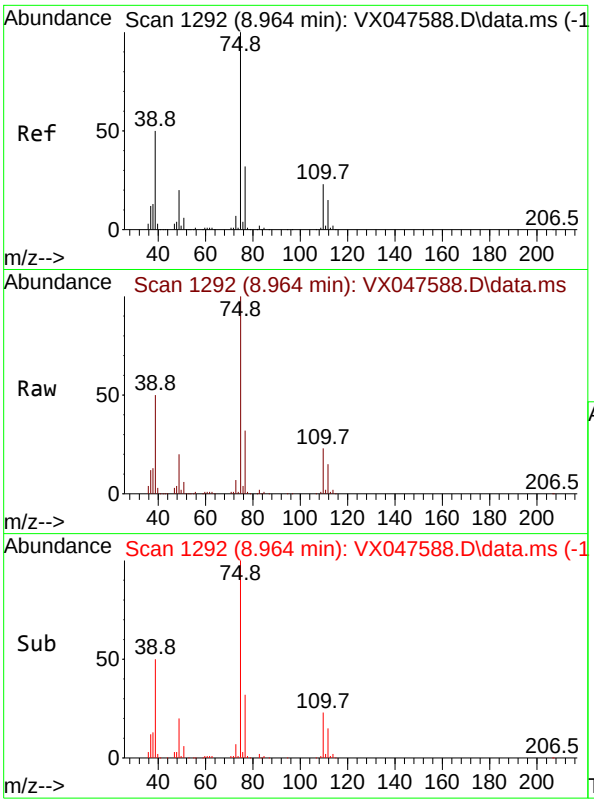


#52
Toluene
Concen: 51.244 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 92 Resp: 288853

Ion	Ratio	Lower	Upper
92	100		
91	171.4	137.1	205.7

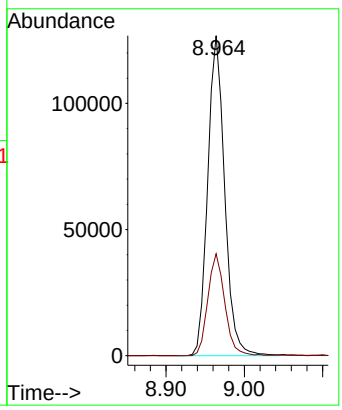




#53
t-1,3-Dichloropropene
Concen: 53.027 ug/l
RT: 8.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 19028

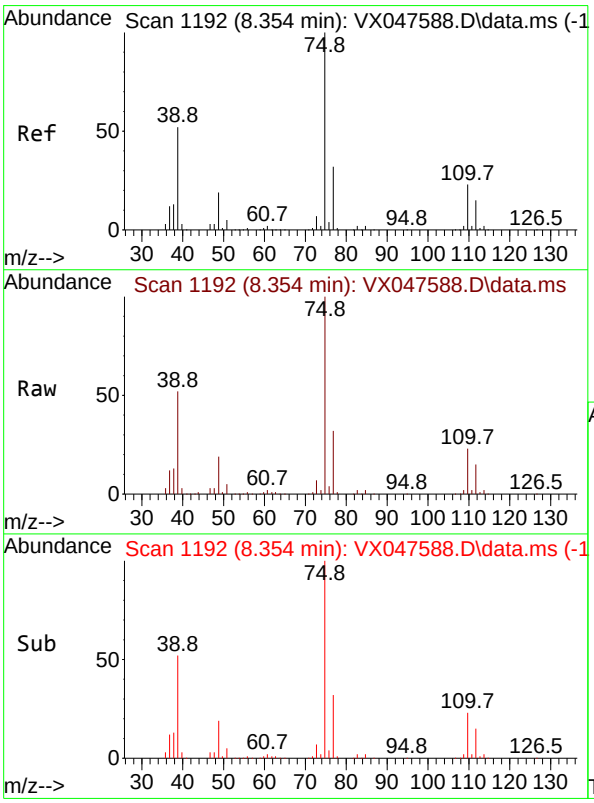
Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

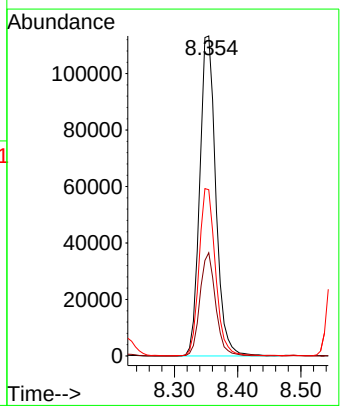
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

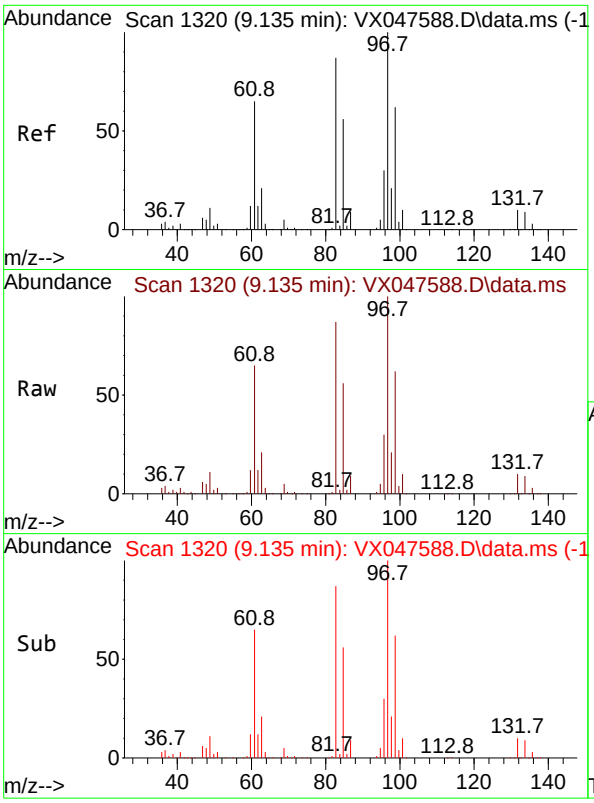


#54
cis-1,3-Dichloropropene
Concen: 52.369 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 200859

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.8	38.6
39	51.8	41.4	62.2

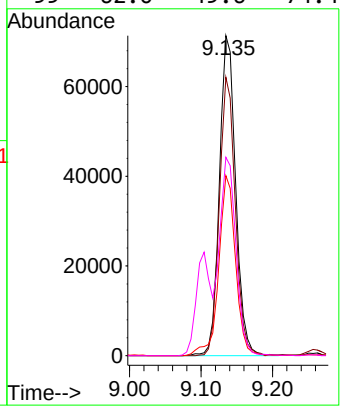




#55
1,1,2-Trichloroethane
Concen: 51.915 ug/l
RT: 9.135 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 97 Resp: 11283

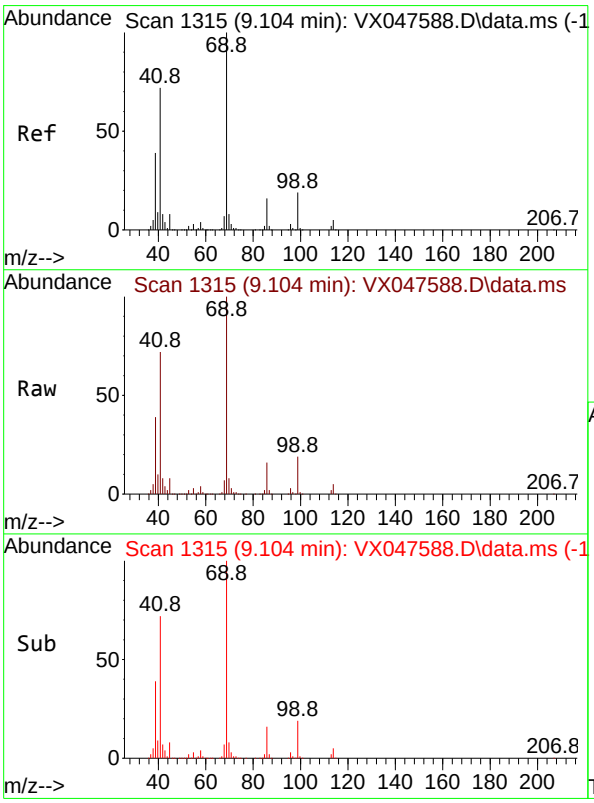
Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.6	104.4
85	56.3	45.0	67.6
99	62.0	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

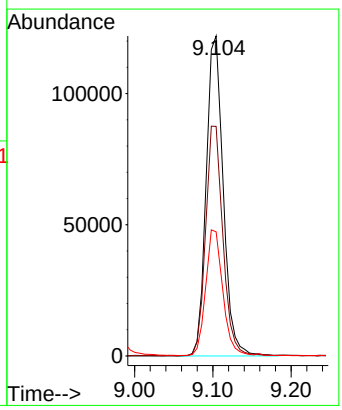
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

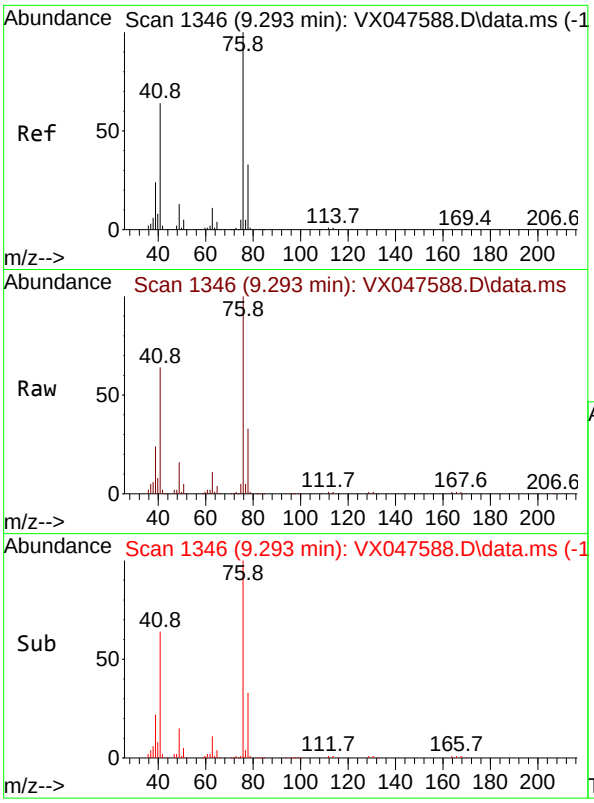


#56
Ethyl methacrylate
Concen: 53.930 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 69 Resp: 184087

Ion	Ratio	Lower	Upper
69	100		
41	73.2	58.6	87.8
39	39.4	31.5	47.3

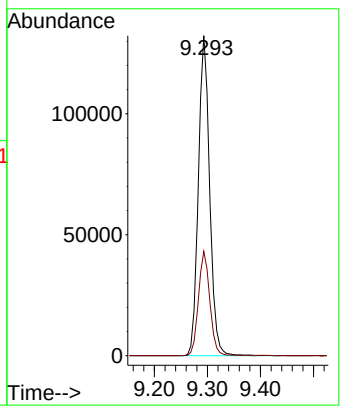




#57
1,3-Dichloropropane
Concen: 52.492 ug/l
RT: 9.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 76 Resp: 19598

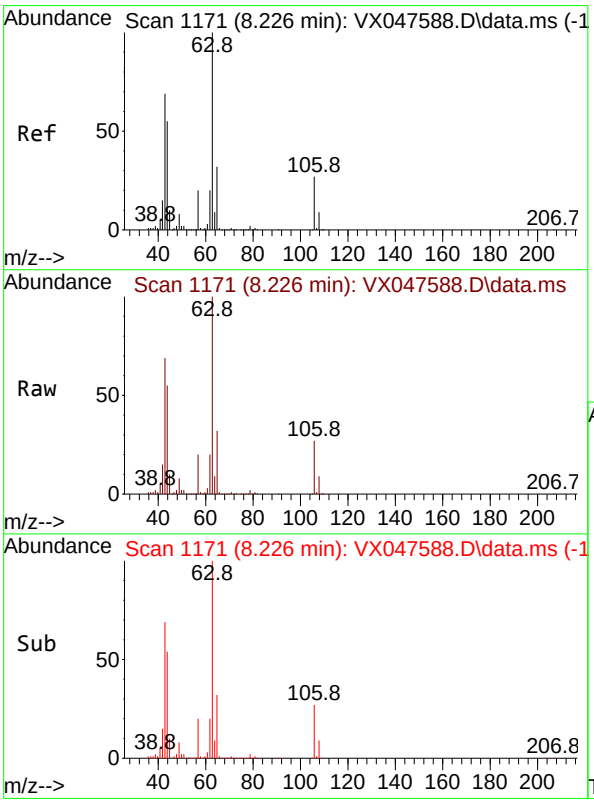
Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

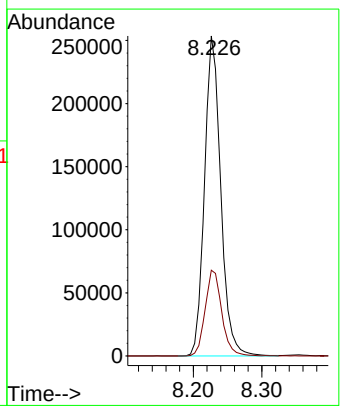
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

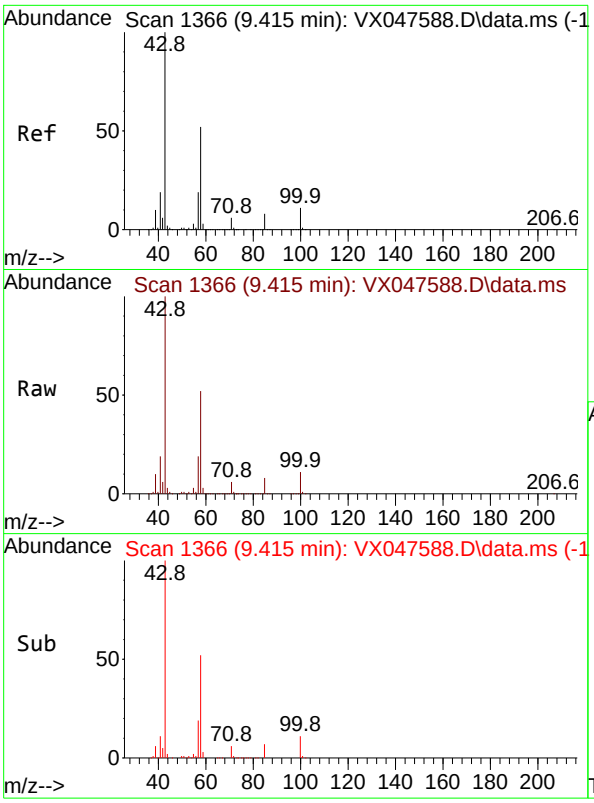


#58
2-Chloroethyl Vinyl ether
Concen: 256.309 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 63 Resp: 418707

Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.9	32.9





#59
2-Hexanone
Concen: 262.683 ug/l
RT: 9.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

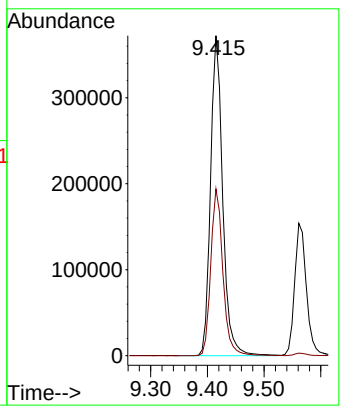
Tgt Ion: 43 Resp: 55331

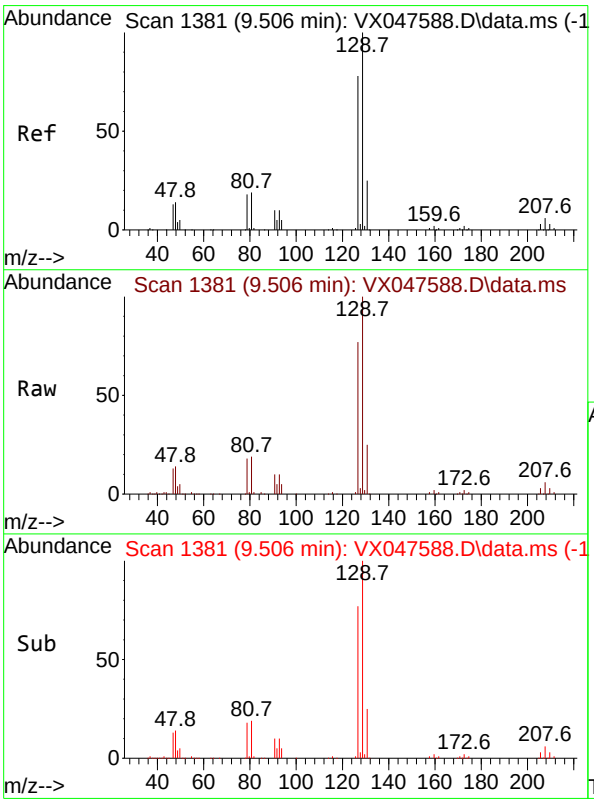
Ion	Ratio	Lower	Upper
43	100		
58	52.1	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

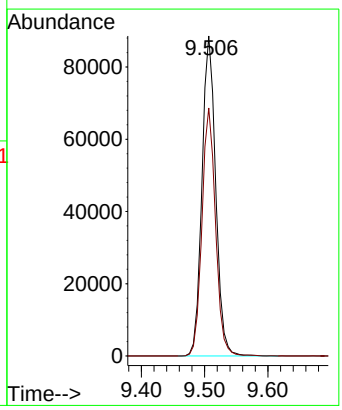


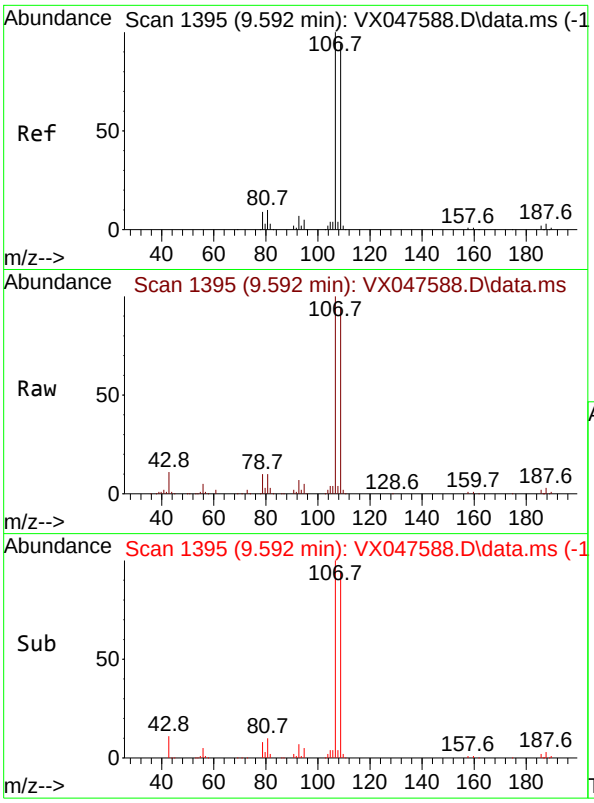


#60
Dibromochloromethane
Concen: 53.401 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:129 Resp: 133737

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.4	115.2





#61
1,2-Dibromoethane
Concen: 52.607 ug/l
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

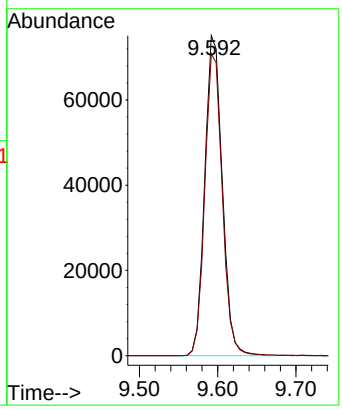
Tgt Ion:107 Resp: 11646

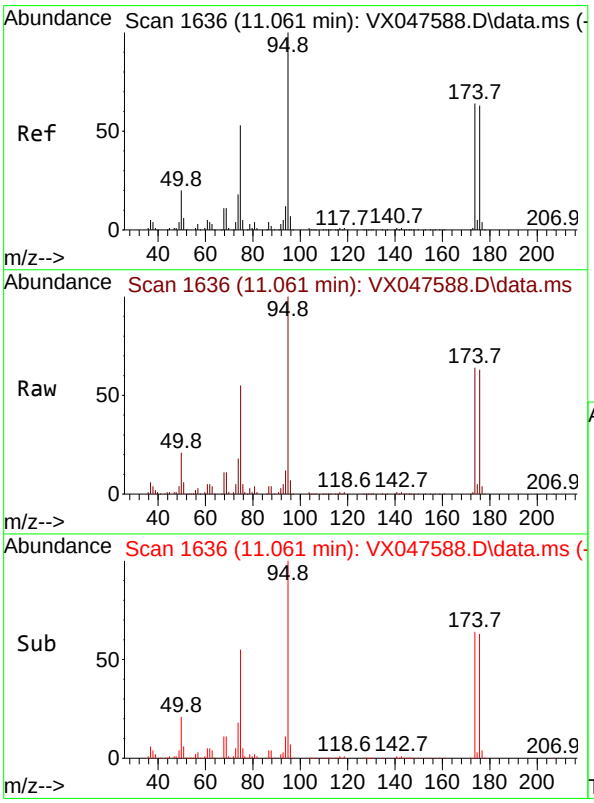
Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.3	112.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

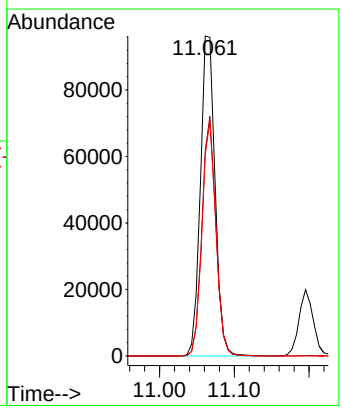


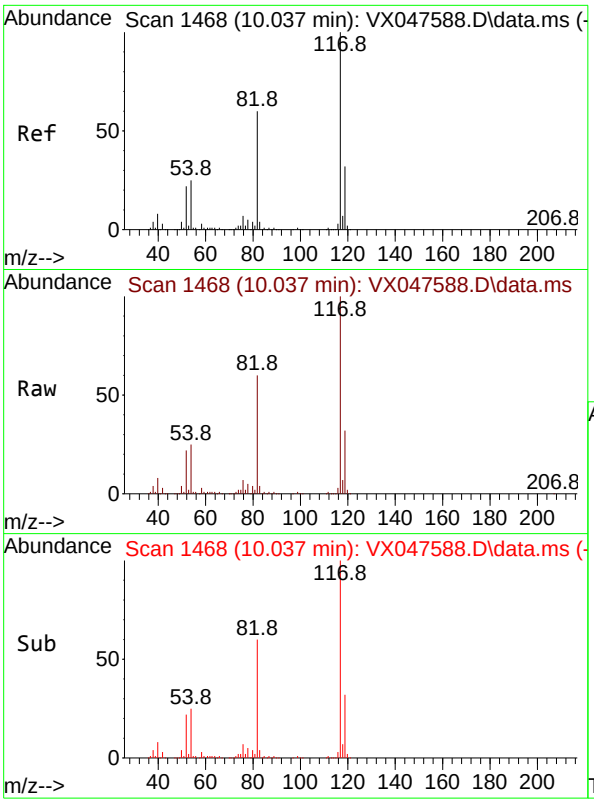


#62
4-Bromofluorobenzene
Concen: 48.471 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 95 Resp: 131217

Ion	Ratio	Lower	Upper
95	100		
174	70.8	0.0	141.6
176	69.2	0.0	138.4

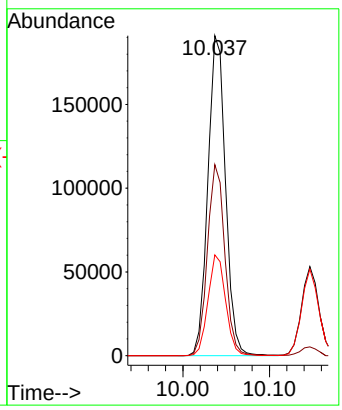




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:117 Resp: 27004

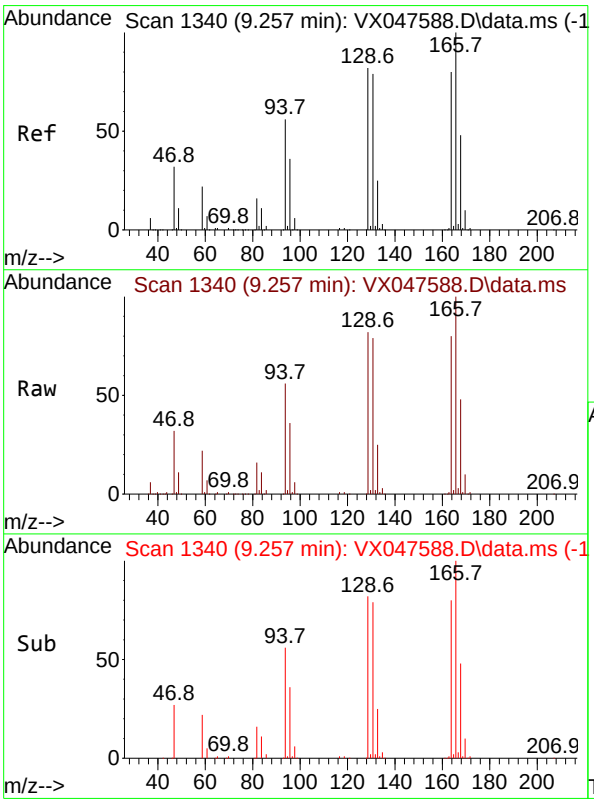
Ion	Ratio	Lower	Upper
117	100		
82	59.7	47.8	71.6
119	31.5	25.2	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

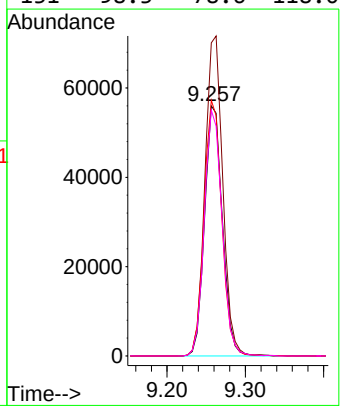
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

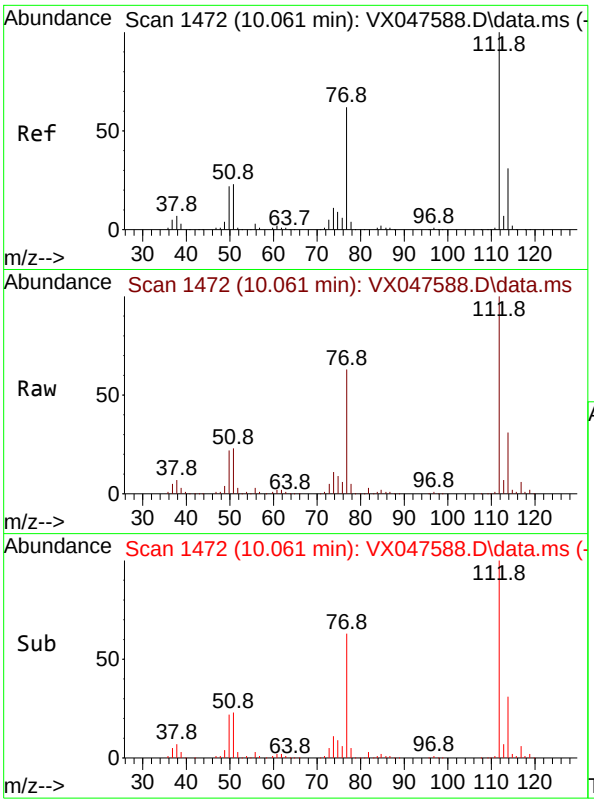


#64
Tetrachloroethene
Concen: 50.074 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:164 Resp: 88149

Ion	Ratio	Lower	Upper
164	100		
166	125.2	100.2	150.2
129	102.2	81.8	122.6
131	98.3	78.6	118.0





#65
Chlorobenzene
Concen: 51.833 ug/l
RT: 10.061 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

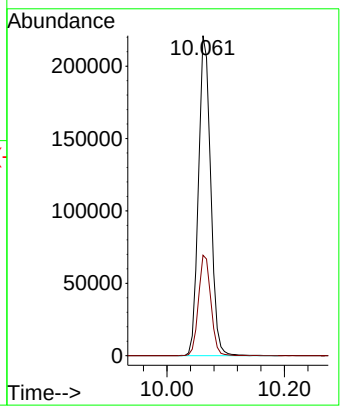
Tgt Ion:112 Resp: 31798

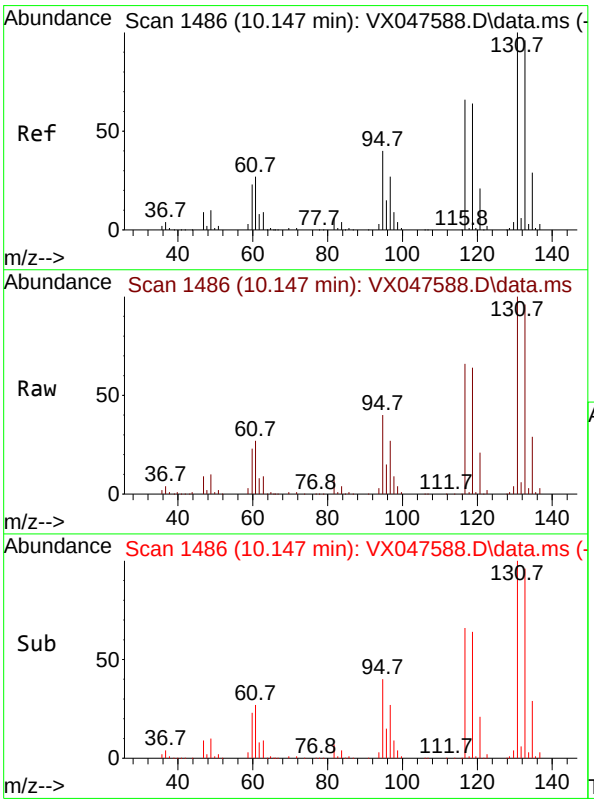
Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.1	37.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

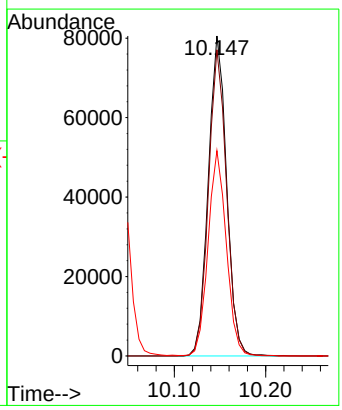


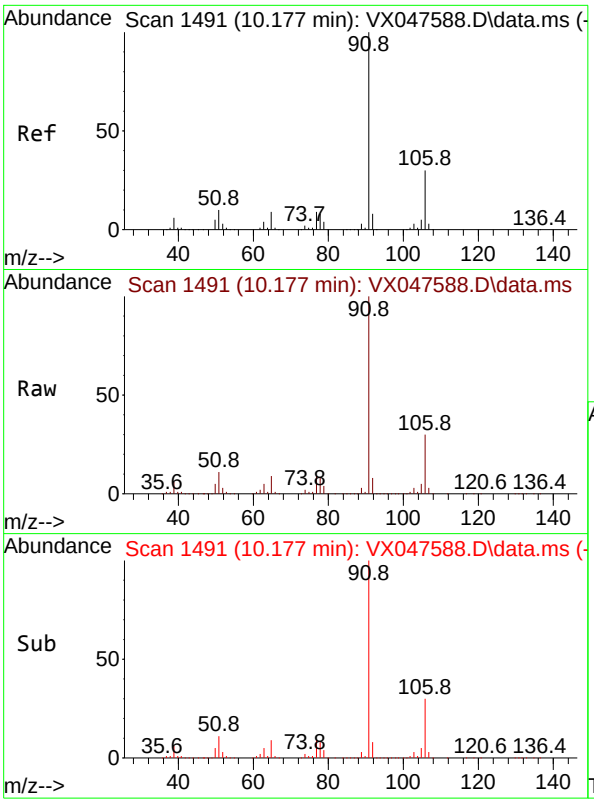


#66
1,1,1,2-Tetrachloroethane
Concen: 52.835 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:131 Resp: 111849

Ion	Ratio	Lower	Upper
131	100		
133	94.7	47.3	142.0
119	64.0	32.0	96.0

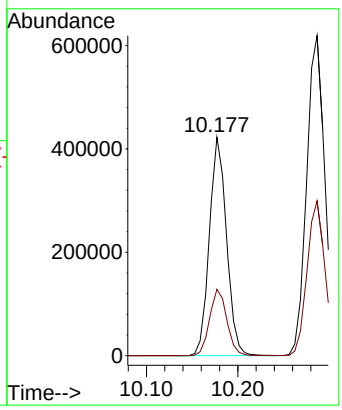




#67
Ethyl Benzene
Concen: 52.017 ug/l
RT: 10.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 55061

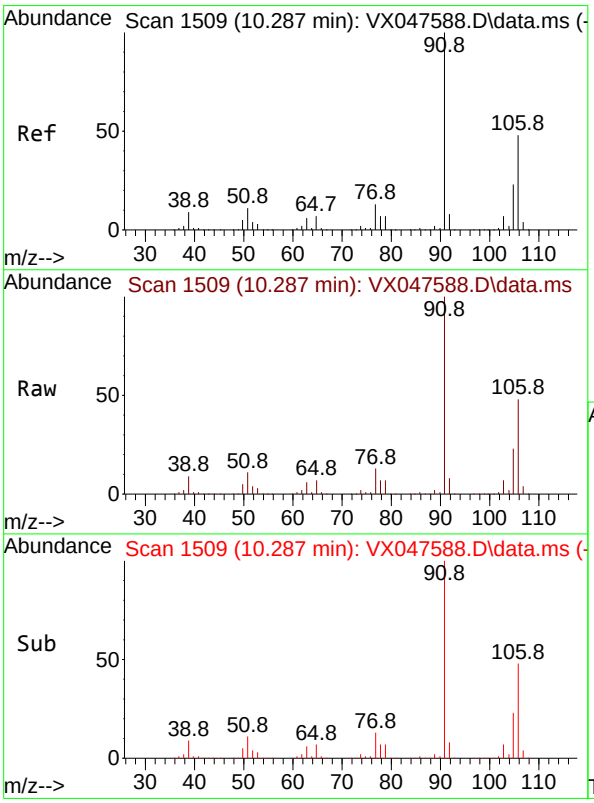
Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

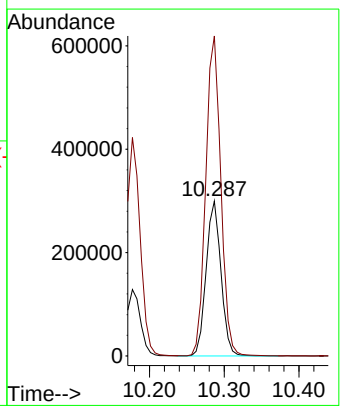
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

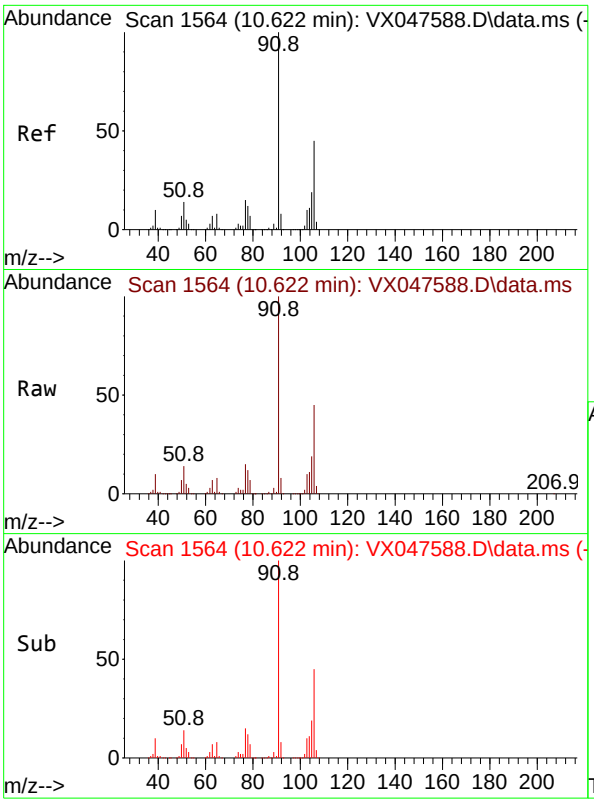


#68
m/p-Xylenes
Concen: 104.809 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:106 Resp: 412932

Ion	Ratio	Lower	Upper
106	100		
91	209.8	167.8	251.8





#69
o-Xylene
Concen: 53.084 ug/l
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

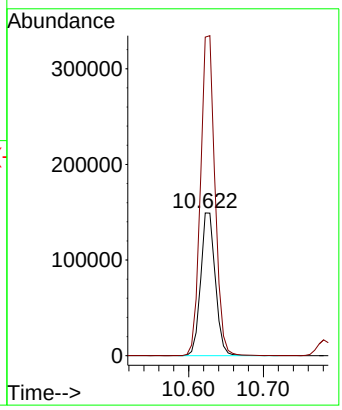
Tgt Ion:106 Resp: 20229

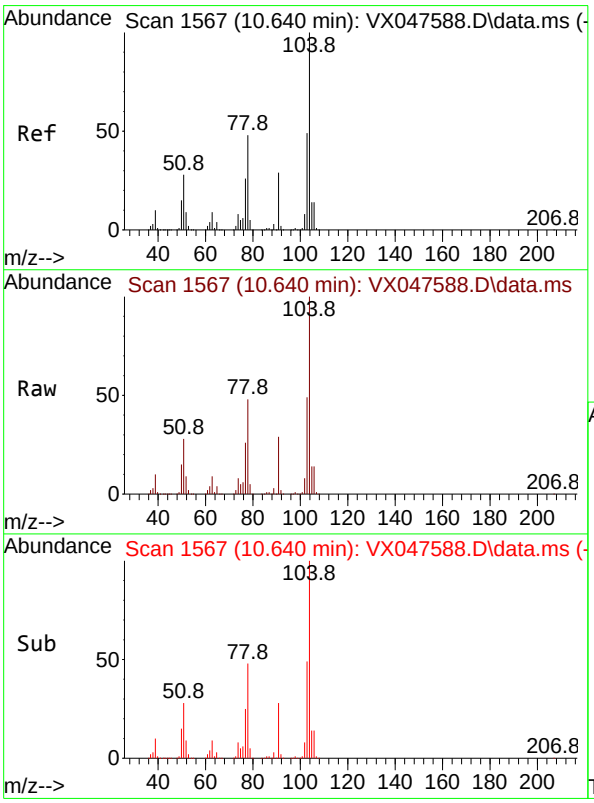
Ion	Ratio	Lower	Upper
106	100		
91	222.3	111.1	333.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

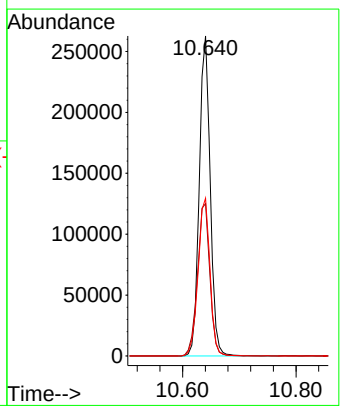


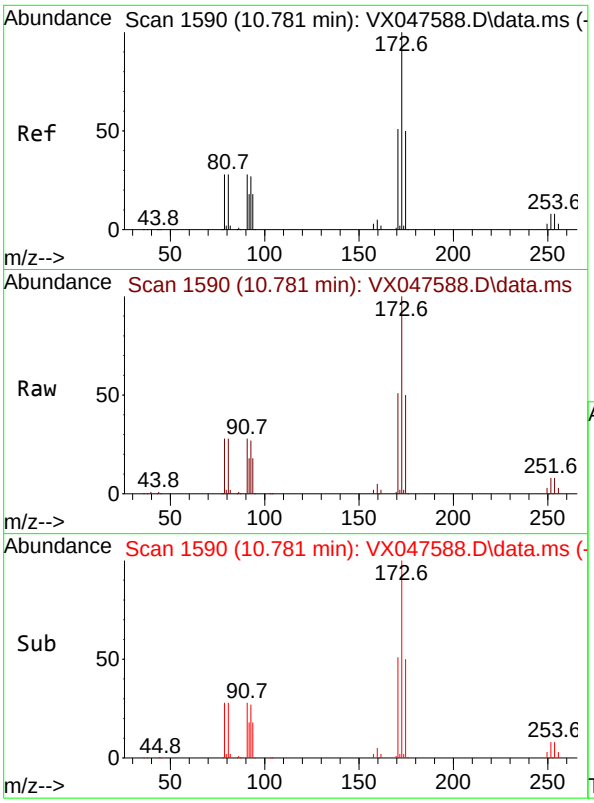


#70
Styrene
Concen: 52.515 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:104 Resp: 350654

Ion	Ratio	Lower	Upper
104	100		
78	53.9	43.1	64.7
103	53.9	43.1	64.7

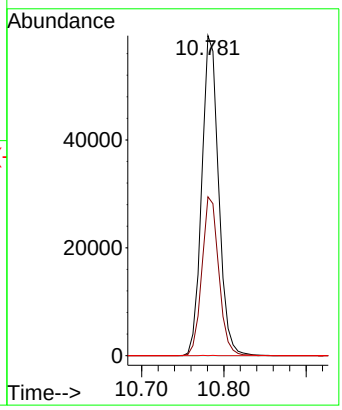




#71
Bromoform
Concen: 53.447 ug/l
RT: 10.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:173 Resp: 8448

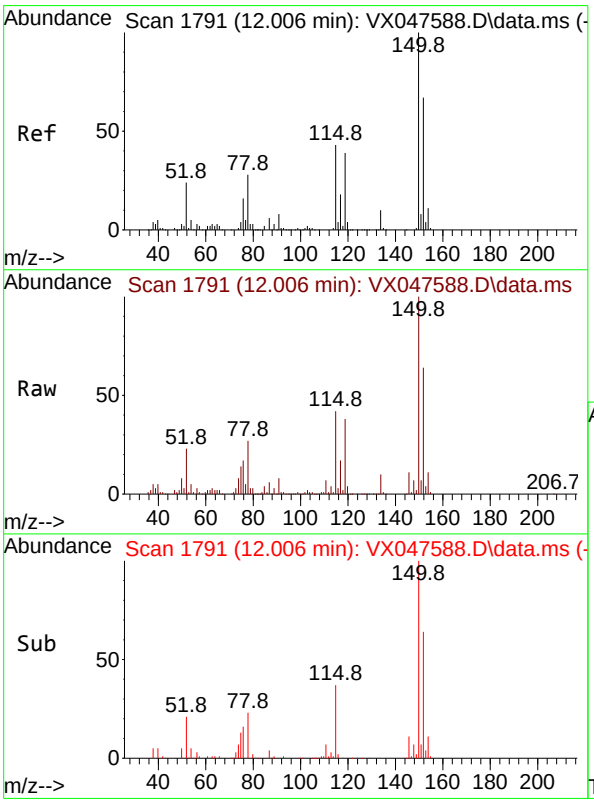
Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.9	74.6
254	0.1	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

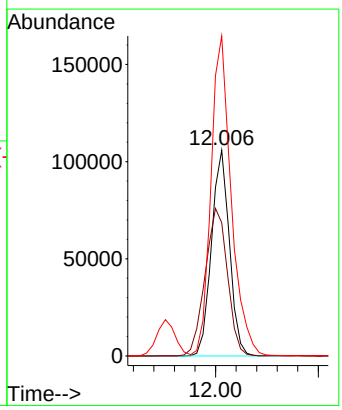
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

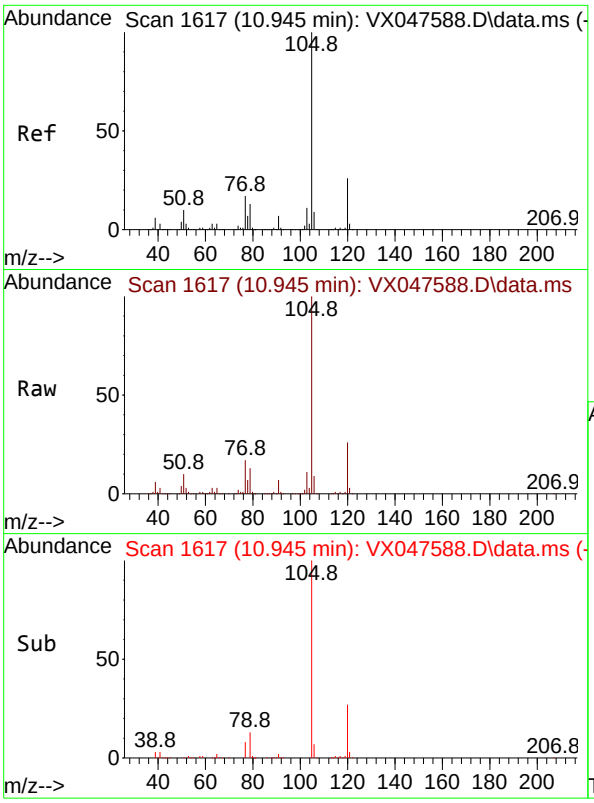


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:152 Resp: 127732

Ion	Ratio	Lower	Upper
152	100		
115	89.7	44.9	134.5
150	176.0	0.0	352.0

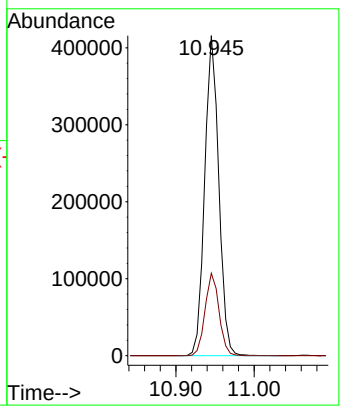




#73
Isopropylbenzene
Concen: 53.227 ug/l
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 51689

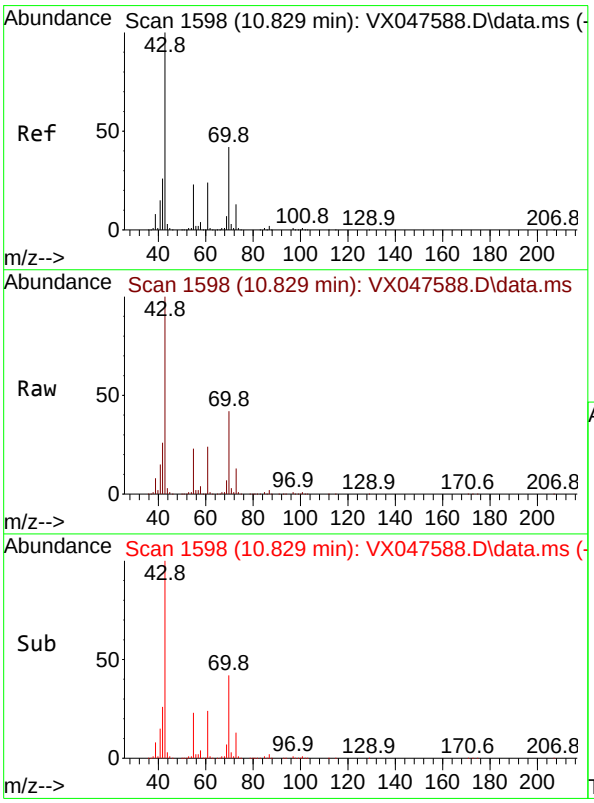
Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

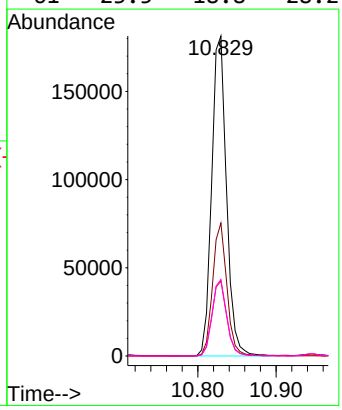
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

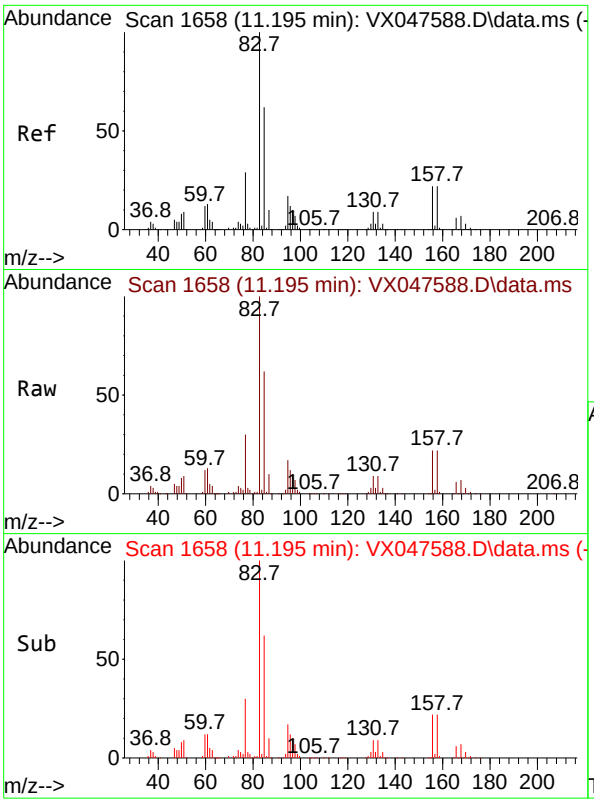


#74
N-amyl acetate
Concen: 53.710 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 237846

Ion	Ratio	Lower	Upper
43	100		
70	40.0	32.0	48.0
55	23.6	18.9	28.3
61	23.5	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 53.251 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

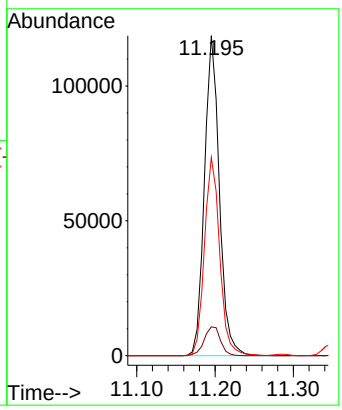
Tgt Ion: 83 Resp: 15645

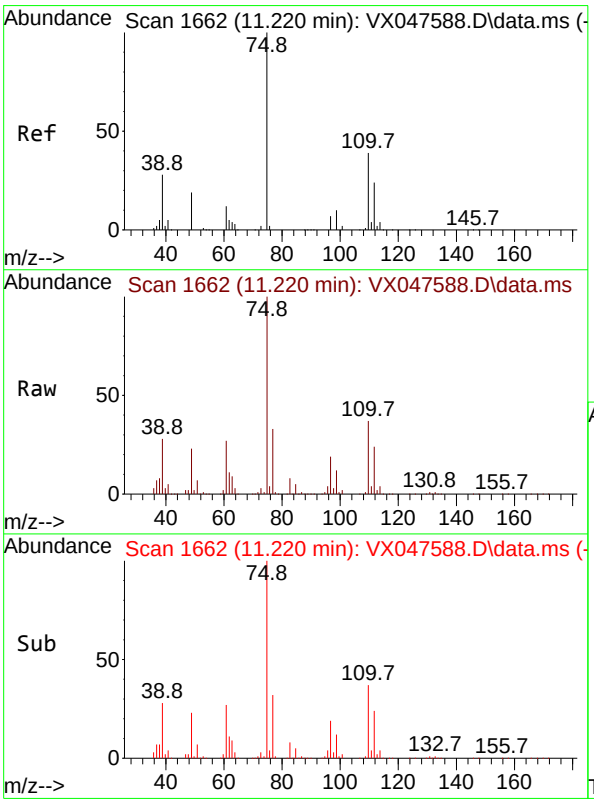
Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	63.3	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

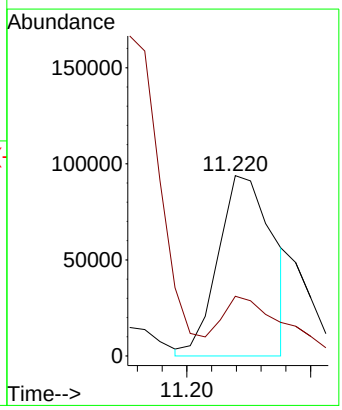


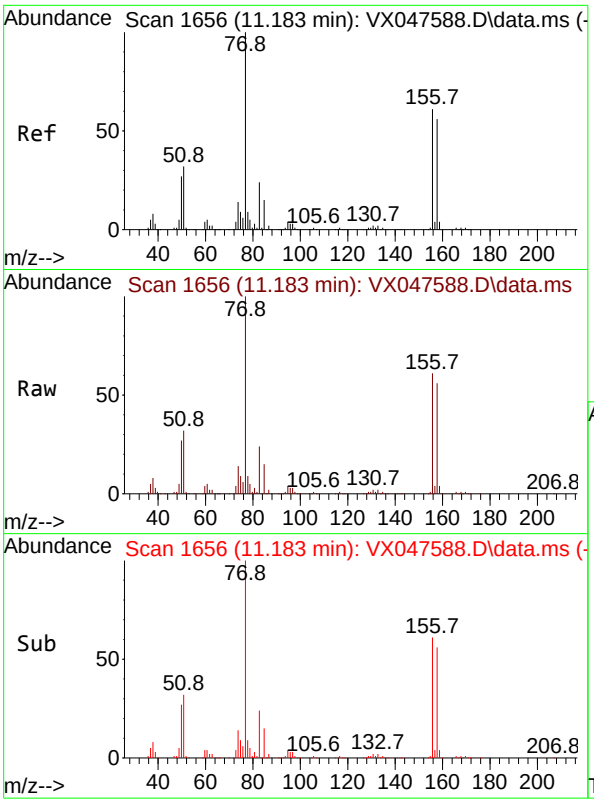


#76
1,2,3-Trichloropropane
Concen: 54.322 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 144074

Ion	Ratio	Lower	Upper
75	100		
77	37.6	18.8	56.4





#77
Bromobenzene
Concen: 52.754 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

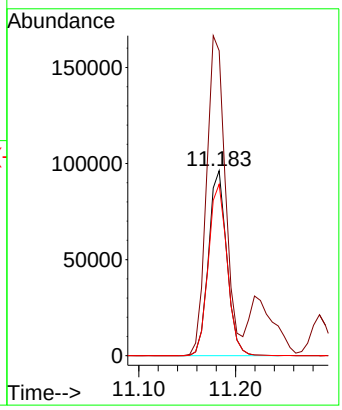
Tgt Ion:156 Resp: 12617

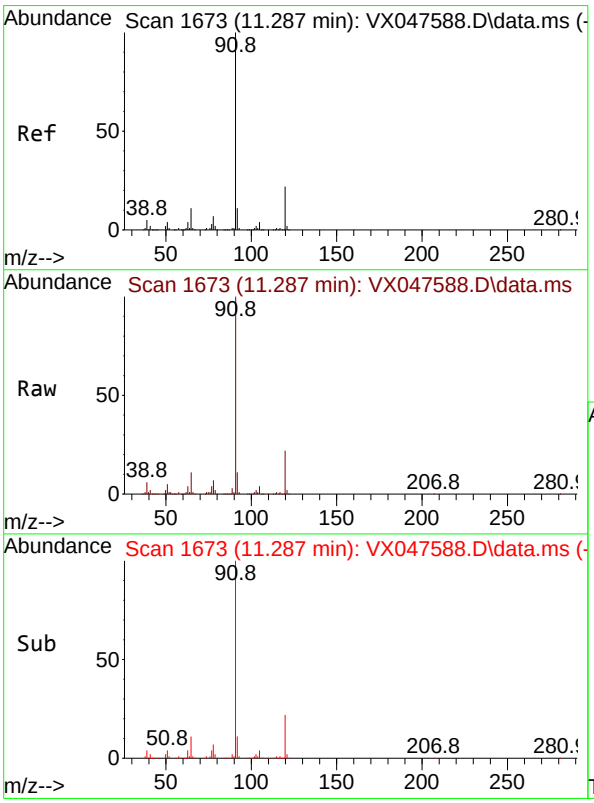
Ion	Ratio	Lower	Upper
156	100		
77	179.4	89.7	269.1
158	95.7	47.9	143.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

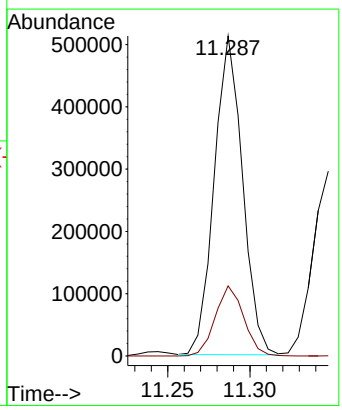


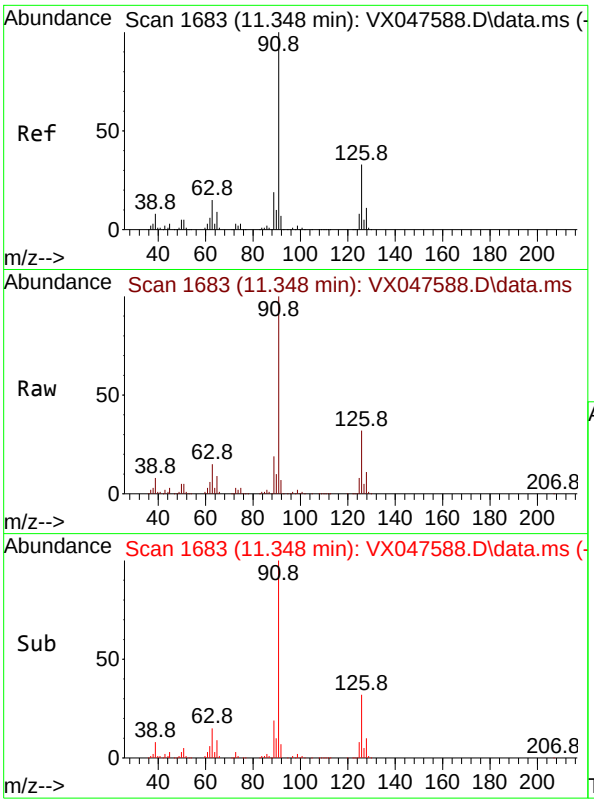


#78
n-propylbenzene
Concen: 53.315 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 612035

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.1





#79
2-Chlorotoluene
Concen: 52.965 ug/l
RT: 11.348 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

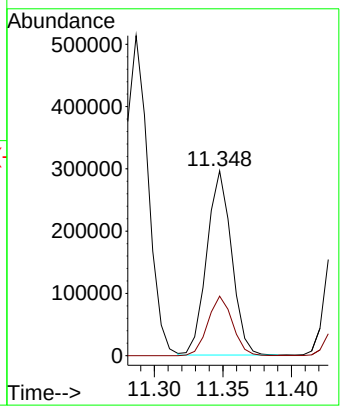
Tgt Ion: 91 Resp: 37239

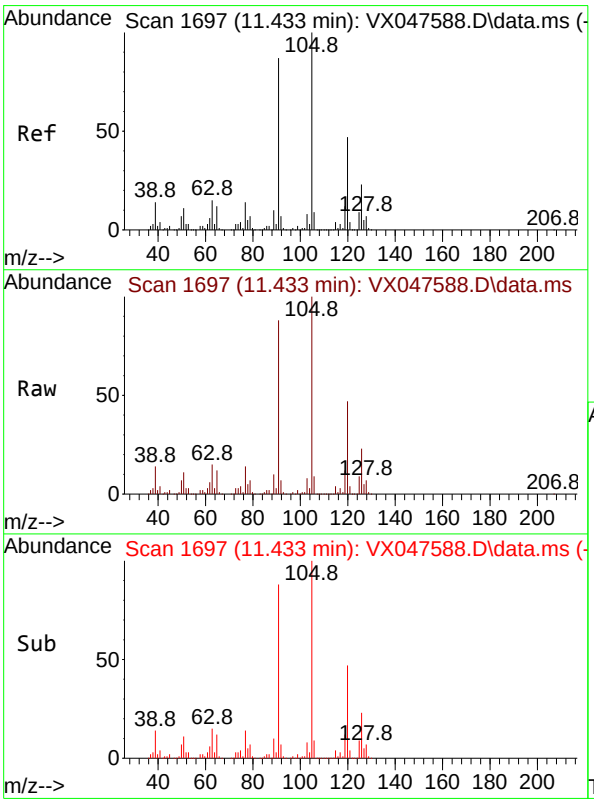
Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

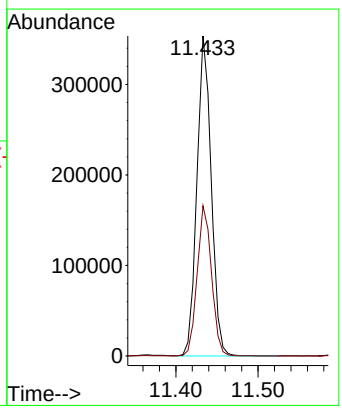


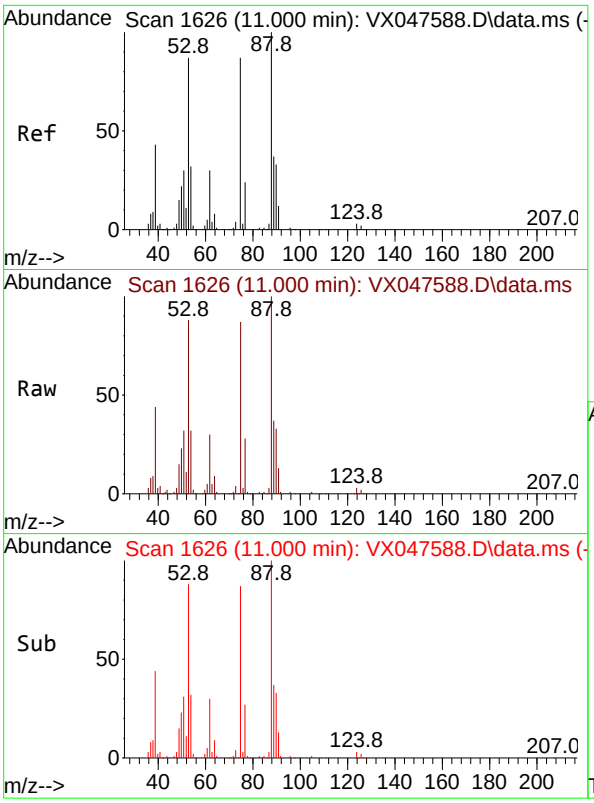


#80
1,3,5-Trimethylbenzene
Concen: 53.518 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 426989

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.6	70.8

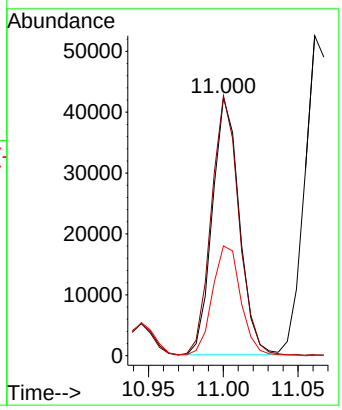




#81
trans-1,4-Dichloro-2-butene
Concen: 52.190 ug/l
RT: 11.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 5292

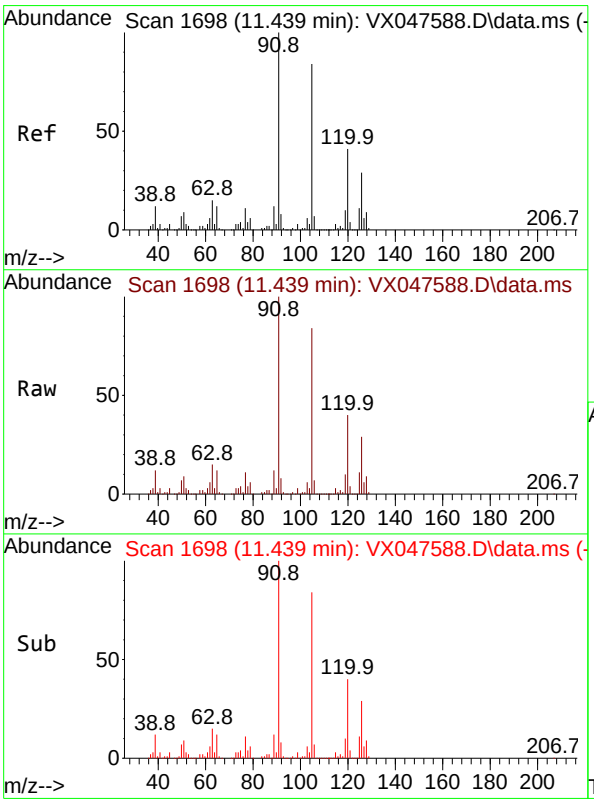
Ion	Ratio	Lower	Upper
75	100		
53	104.3	83.4	125.2
89	45.4	36.3	54.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

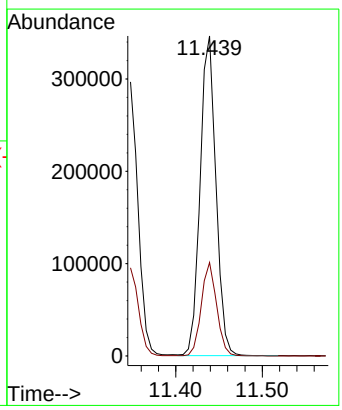
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

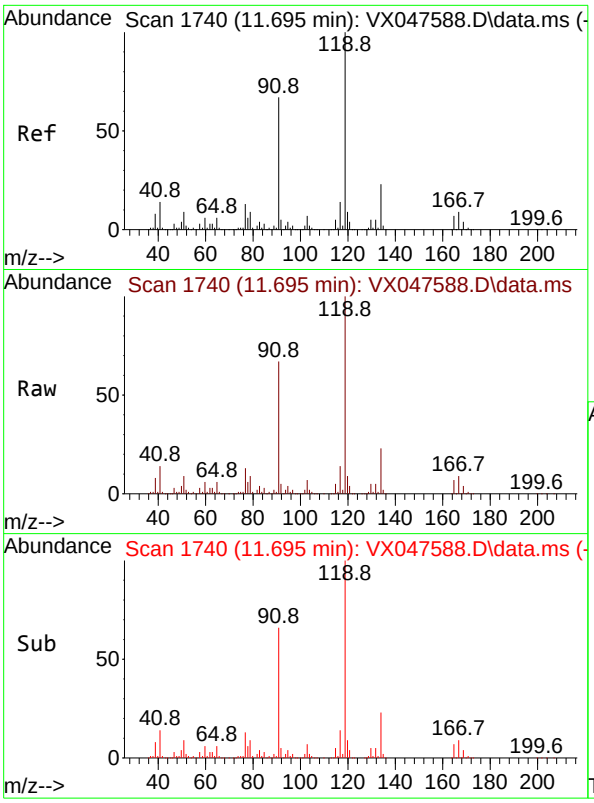


#82
4-Chlorotoluene
Concen: 52.806 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 438502

Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.2	42.6

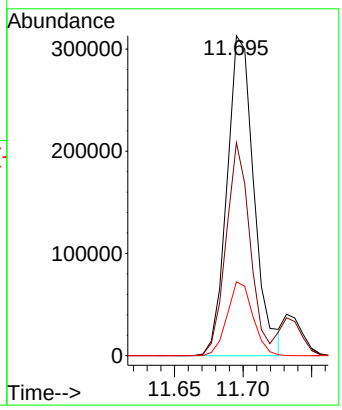




#83
tert-Butylbenzene
Concen: 52.539 ug/l
RT: 11.695 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:119 Resp: 42910

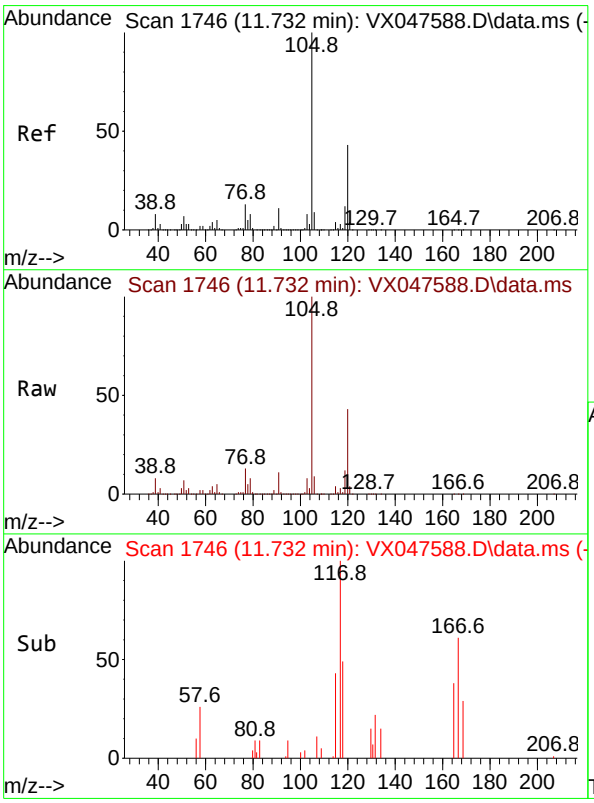
Ion	Ratio	Lower	Upper
119	100		
91	59.2	29.6	88.8
134	22.0	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

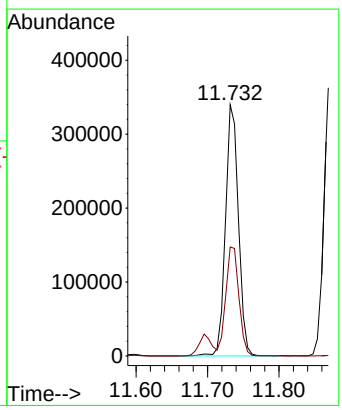
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

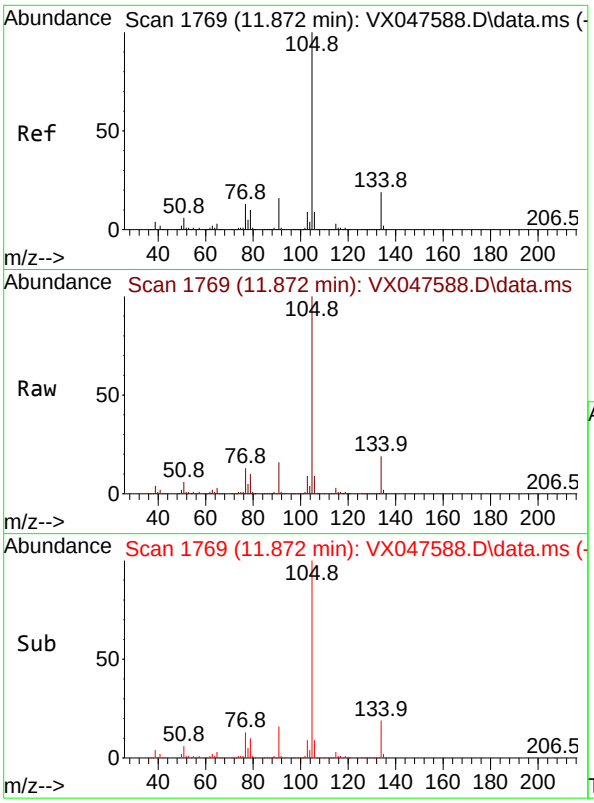


#84
1,2,4-Trimethylbenzene
Concen: 52.798 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 427073

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1

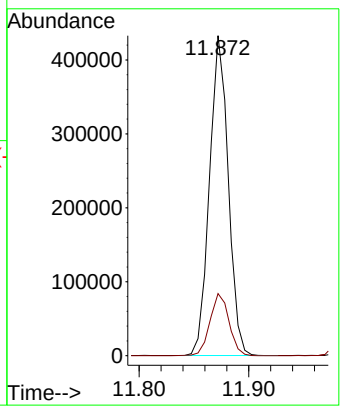




#85
sec-Butylbenzene
Concen: 53.029 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 51444

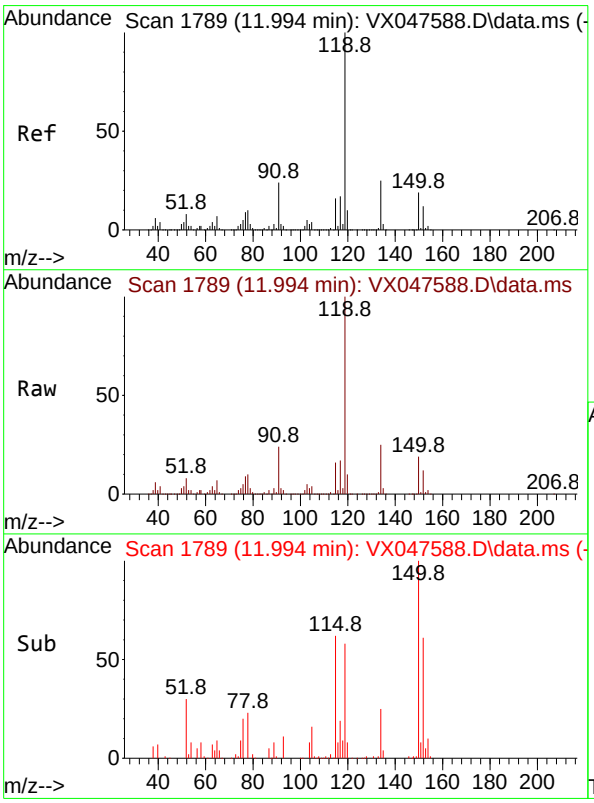
Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

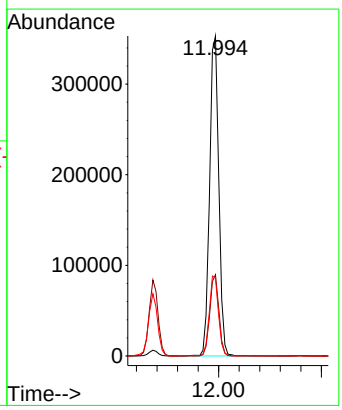
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

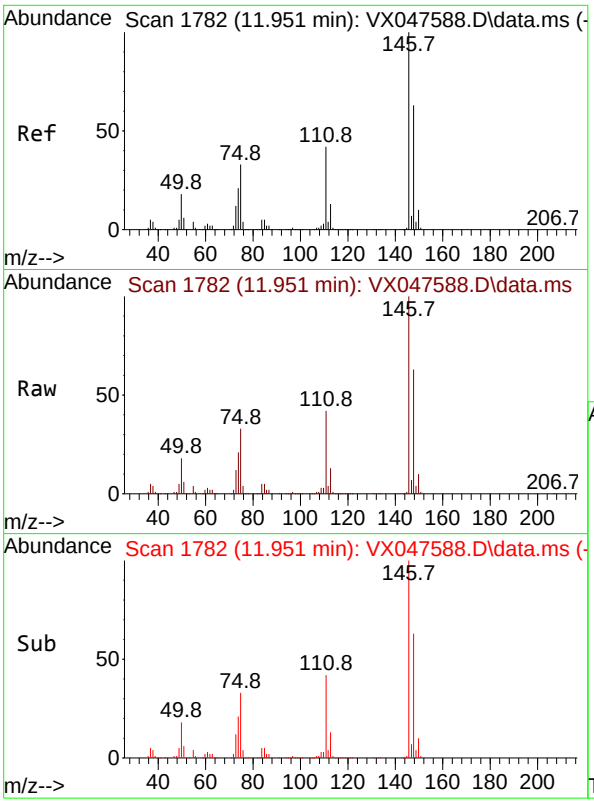


#86
p-Isopropyltoluene
Concen: 53.172 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:119 Resp: 436704

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.8
91	25.1	12.6	37.6

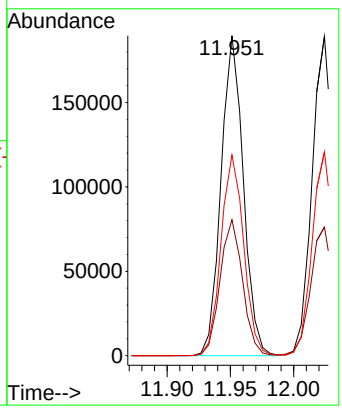




#87
1,3-Dichlorobenzene
Concen: 52.232 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:146 Resp: 23203

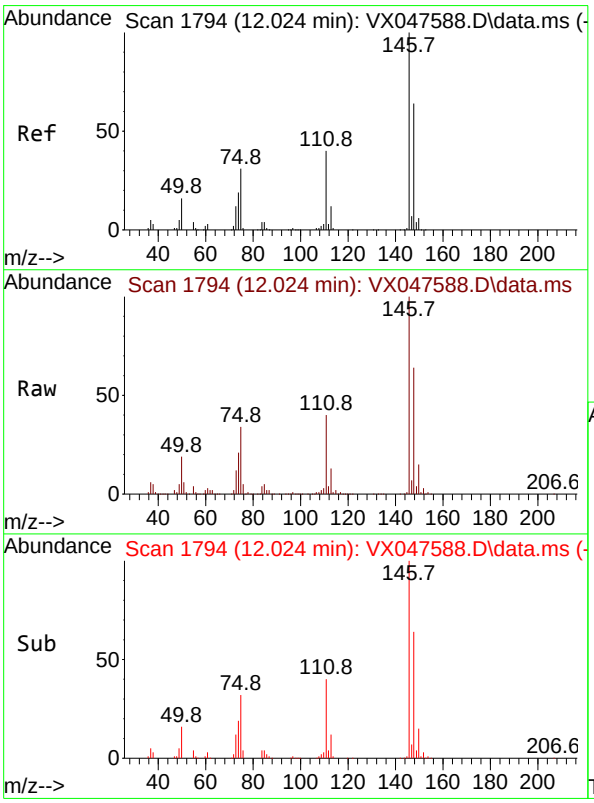
Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.5	64.5
148	64.0	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

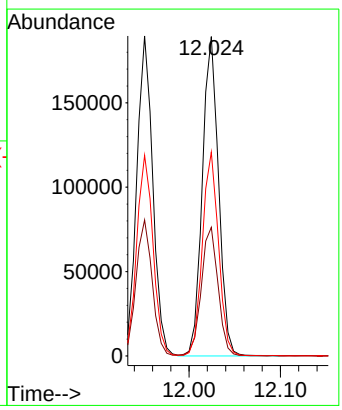
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

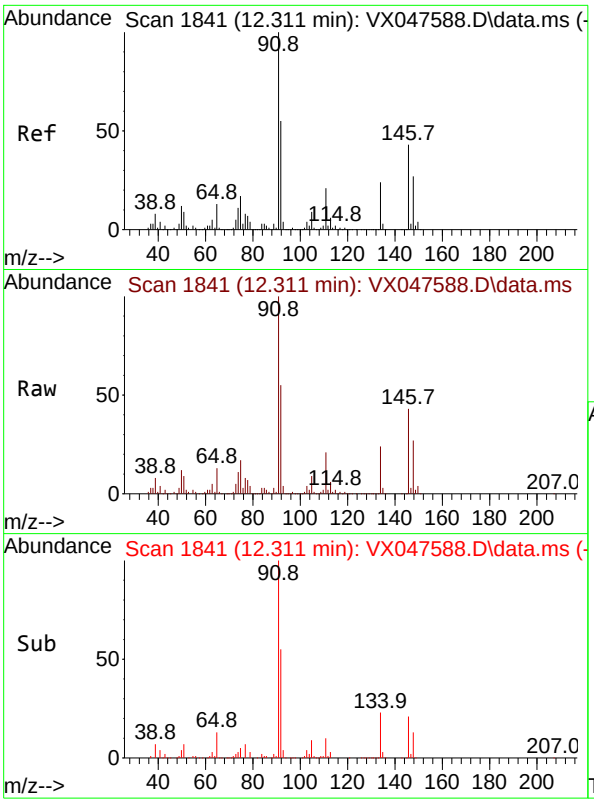


#88
1,4-Dichlorobenzene
Concen: 51.316 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:146 Resp: 233975

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.4
148	63.4	31.7	95.1





#89
n-Butylbenzene
Concen: 52.766 ug/l
RT: 12.311 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

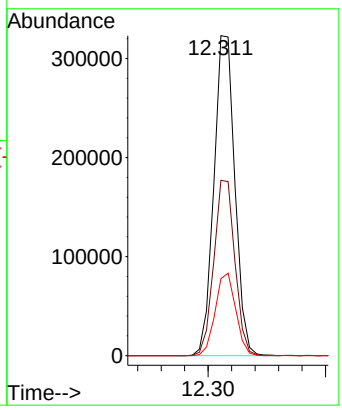
Tgt Ion: 91 Resp: 40099

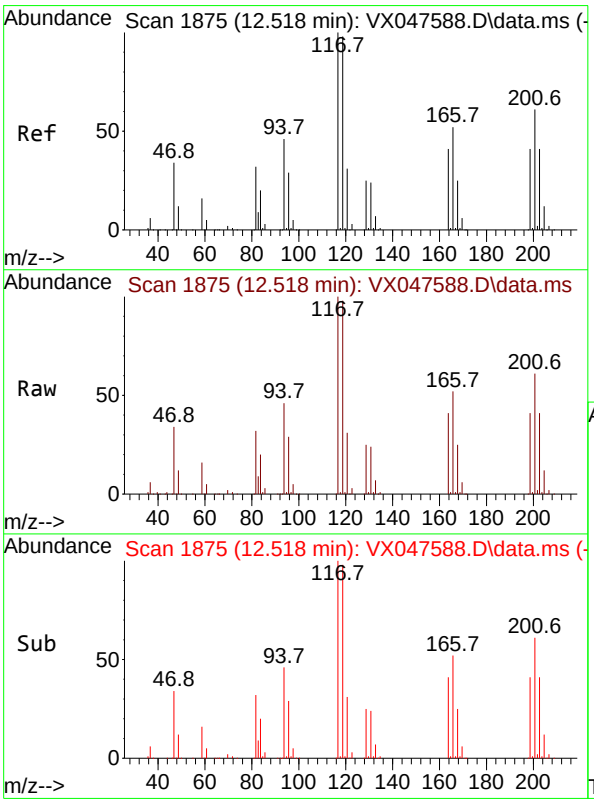
Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.6	82.7
134	25.2	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

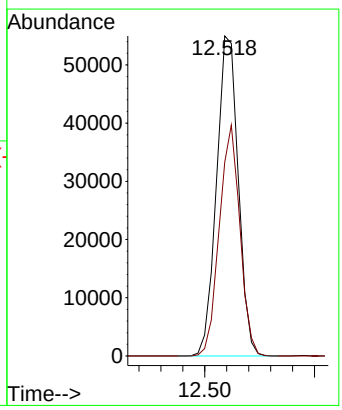


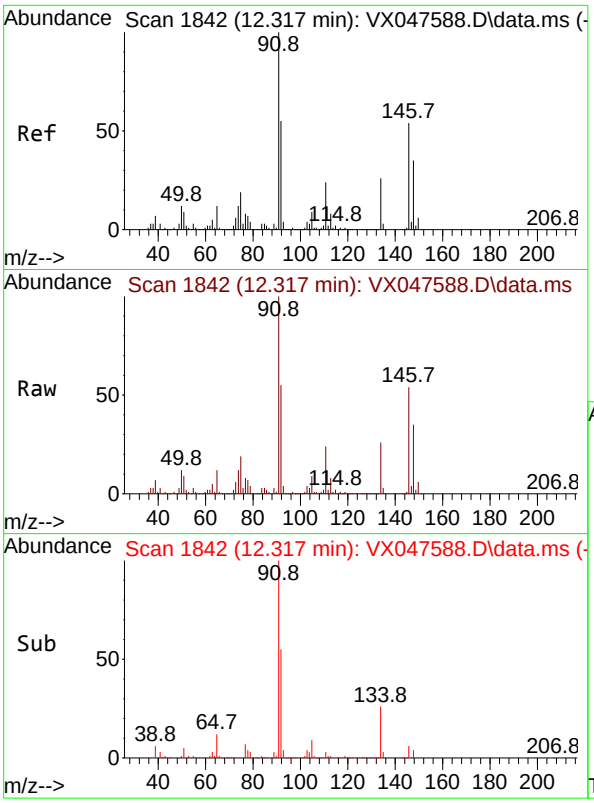


#90
Hexachloroethane
Concen: 52.567 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:117 Resp: 75800

Ion	Ratio	Lower	Upper
117	100		
201	68.3	34.2	102.5

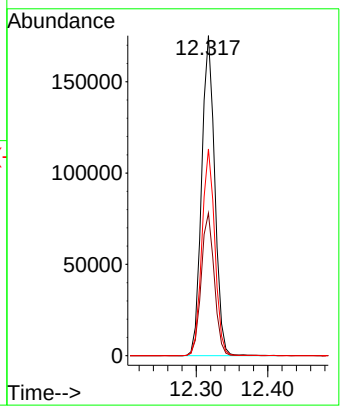




#91
1,2-Dichlorobenzene
Concen: 52.688 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:146 Resp: 22299

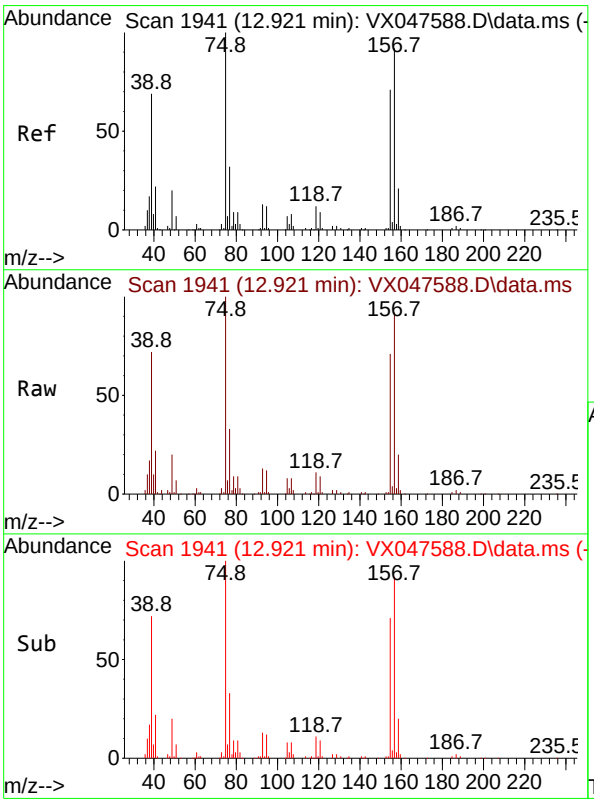
Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.2	66.6
148	63.6	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

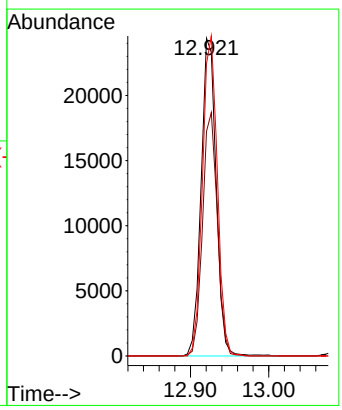
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

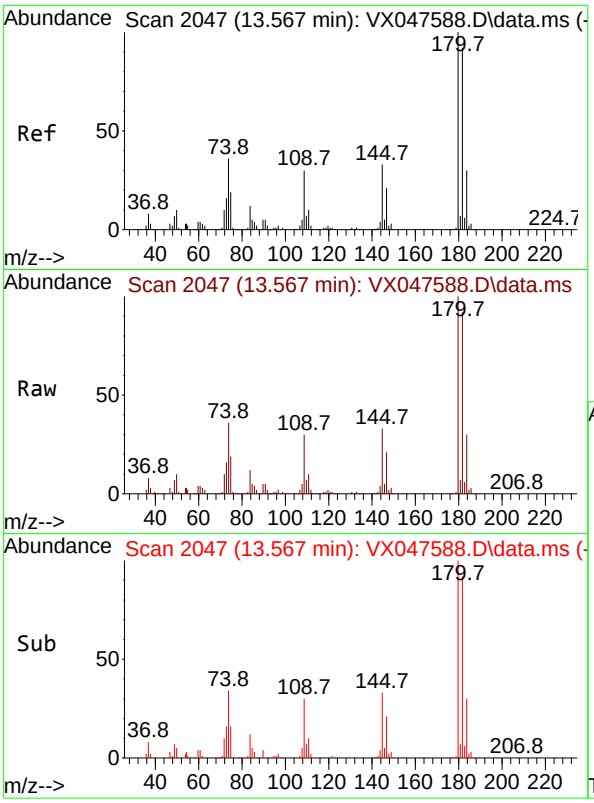


#92
1,2-Dibromo-3-Chloropropane
Concen: 54.554 ug/l
RT: 12.921 min Scan# 1941
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 32451

Ion	Ratio	Lower	Upper
75	100		
155	75.4	37.7	113.1
157	99.6	49.8	149.4

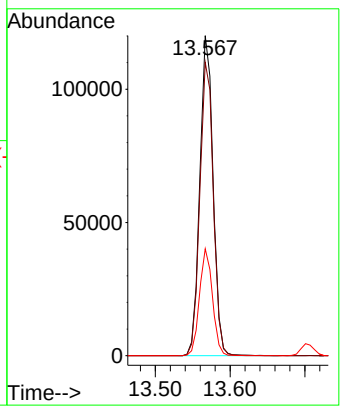




#93
1,2,4-Trichlorobenzene
Concen: 53.685 ug/l
RT: 13.567 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:180 Resp: 14767

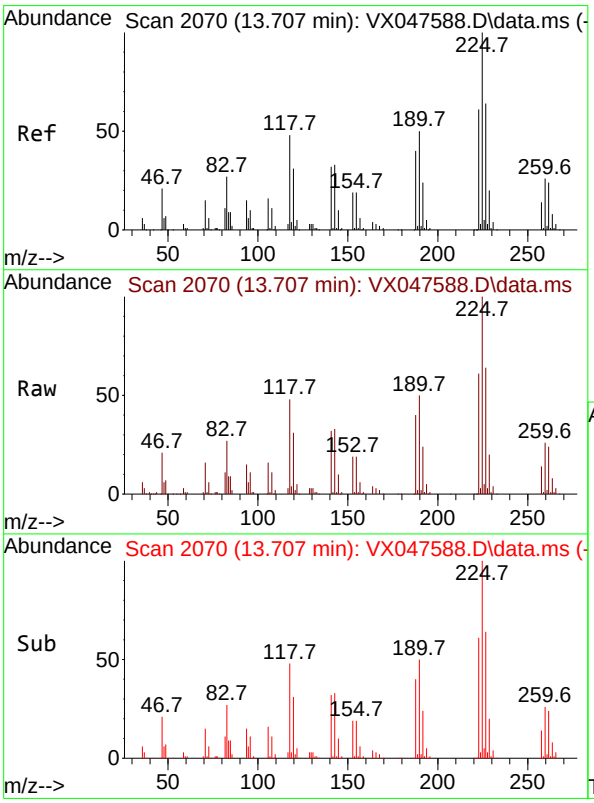
Ion	Ratio	Lower	Upper
180	100		
182	93.2	46.6	139.8
145	32.7	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

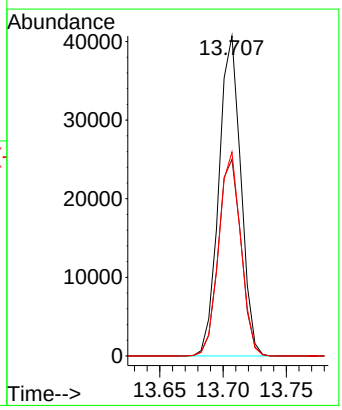
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

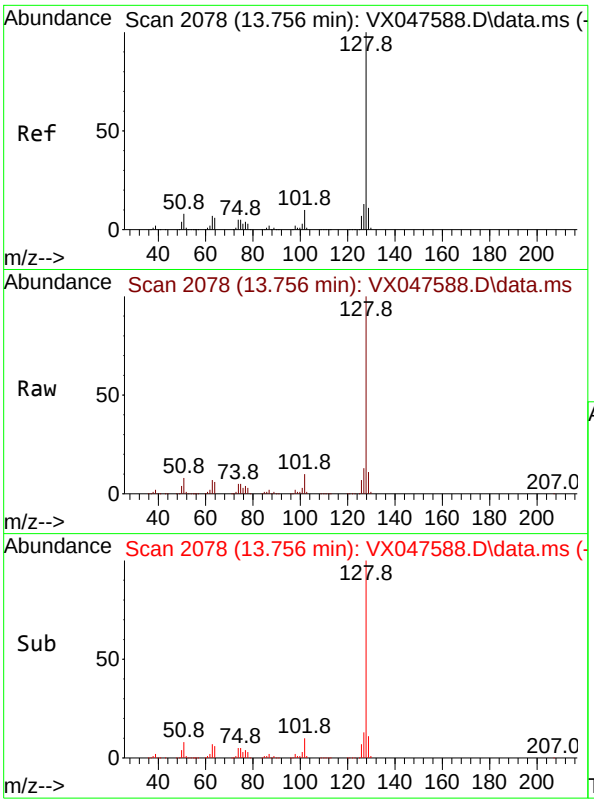


#94
Hexachlorobutadiene
Concen: 52.510 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:225 Resp: 49061

Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.7	95.1
227	64.0	32.0	96.0

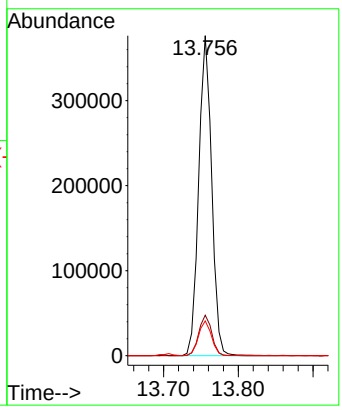




#95
Naphthalene
Concen: 53.966 ug/l
RT: 13.756 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:128 Resp: 45201

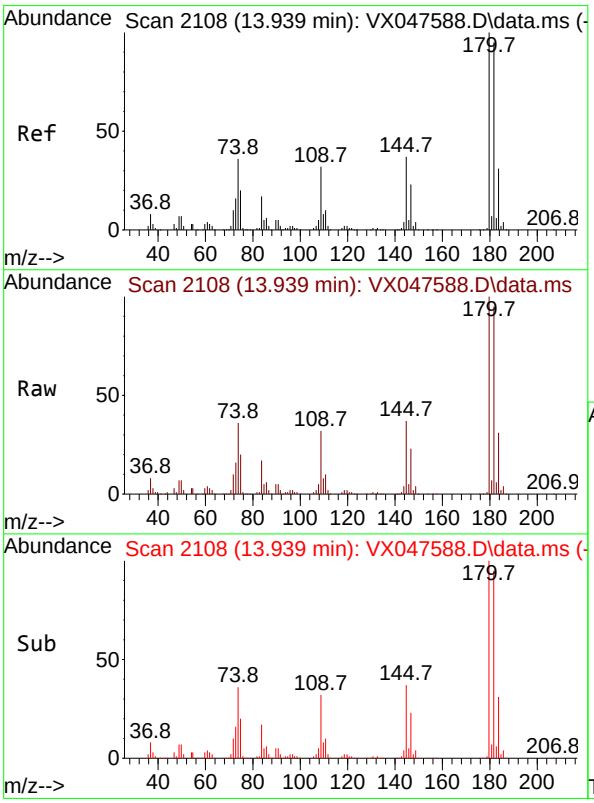
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.0	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

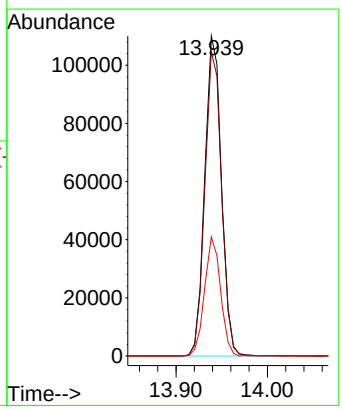
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 54.316 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:180 Resp: 138978

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.6	142.8
145	35.8	17.9	53.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 17 06:15:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.532	168	169280	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	298913	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	258399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	122218	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	275758	102.341	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 204.680%#			
35) Dibromofluoromethane	5.361	113	212419	105.962	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 211.920%#			
50) Toluene-d8	8.629	98	724078	104.386	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 208.780%#			
62) 4-Bromofluorobenzene	11.061	95	270289	102.672	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 205.340%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	172727	98.537	ug/l	100
3) Chloromethane	1.301	50	229165	99.472	ug/l	100
4) Vinyl Chloride	1.380	62	229175	101.621	ug/l	100
5) Bromomethane	1.611	94	143113	100.076	ug/l	99
6) Chloroethane	1.691	64	152487	101.167	ug/l	99
7) Trichlorofluoromethane	1.892	101	344488	102.878	ug/l	100
8) Diethyl Ether	2.130	74	142038	103.695	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	199843	102.067	ug/l	99
10) Methyl Iodide	2.453	142	313092	102.531	ug/l	99
11) Tert butyl alcohol	2.947	59	152108	506.863	ug/l	98
12) 1,1-Dichloroethene	2.319	96	206097	102.473	ug/l	93
13) Acrolein	2.233	56	150793	545.276	ug/l	97
14) Allyl chloride	2.660	41	415140	100.028	ug/l	99
15) Acrylonitrile	3.056	53	581240	522.897	ug/l	100
16) Acetone	2.374	43	510542	435.772	ug/l	100
17) Carbon Disulfide	2.514	76	537888	97.693	ug/l	98
18) Methyl Acetate	2.697	43	292867	112.324	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	748952	102.011	ug/l	100
20) Methylene Chloride	2.782	84	242548	97.805	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	217759	100.566	ug/l	98
22) Diisopropyl ether	3.745	45	811840	100.934	ug/l	88
23) Vinyl Acetate	3.709	43	3314707	514.916	ug/l	99
24) 1,1-Dichloroethane	3.599	63	435815	101.944	ug/l	98
25) 2-Butanone	4.532	43	700827	479.558	ug/l	97
26) 2,2-Dichloropropane	4.465	77	357292	100.542	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	266550	100.516	ug/l	100
28) Bromochloromethane	4.873	49	198788	106.512	ug/l	99
29) Tetrahydrofuran	4.977	42	443530	504.502	ug/l	99
30) Chloroform	5.074	83	433937	100.447	ug/l	100
31) Cyclohexane	5.452	56	332995	93.523	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	372323	101.607	ug/l	99
36) 1,1-Dichloropropene	5.672	75	281650	96.149	ug/l	98
37) Ethyl Acetate	4.690	43	318793	101.641	ug/l	99
38) Carbon Tetrachloride	5.660	117	314745	98.891	ug/l	98
39) Methylcyclohexane	7.360	83	327858	98.600	ug/l	98
40) Benzene	6.019	78	880885	99.009	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 17 06:15:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.891	41	168753	104.220 ug/l	99
42) 1,2-Dichloroethane	6.062	62	331465	97.916 ug/l	100
43) Isopropyl Acetate	6.318	43	516875	100.482 ug/l	99
44) Trichloroethene	7.104	130	217753	101.234 ug/l	96
45) 1,2-Dichloropropane	7.409	63	228150	100.145 ug/l	100
46) Dibromomethane	7.562	93	164987	99.519 ug/l	99
47) Bromodichloromethane	7.806	83	345991	101.136 ug/l	98
48) Methyl methacrylate	7.671	41	260358	101.612 ug/l	100
49) 1,4-Dioxane	7.641	88	56717	2190.315 ug/l	99
51) 4-Methyl-2-Pentanone	8.555	43	1431253	501.834 ug/l	100
52) Toluene	8.702	92	536148	97.811 ug/l	99
53) t-1,3-Dichloropropene	8.958	75	355881	101.986 ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	380577	102.038 ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	205939	97.434 ug/l	97
56) Ethyl methacrylate	9.098	69	346659	104.435 ug/l	99
57) 1,3-Dichloropropane	9.293	76	362848	99.935 ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	836362	499.814 ug/l	100
59) 2-Hexanone	9.415	43	996274	486.380 ug/l	100
60) Dibromochloromethane	9.506	129	251394	103.226 ug/l	99
61) 1,2-Dibromoethane	9.592	107	217751	101.147 ug/l	100
64) Tetrachloroethene	9.256	164	165559	98.284 ug/l	98
65) Chlorobenzene	10.061	112	588517	100.253 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	208621	102.988 ug/l	100
67) Ethyl Benzene	10.177	91	1031346	101.823 ug/l	100
68) m/p-Xylenes	10.287	106	763898	202.624 ug/l	99
69) o-Xylene	10.622	106	372621	102.186 ug/l	99
70) Styrene	10.634	104	649863	101.710 ug/l	100
71) Bromoform	10.781	173	161188	106.566 ug/l	98
73) Isopropylbenzene	10.945	105	954900	102.768 ug/l	100
74) N-amyl acetate	10.823	43	448344	105.812 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	281608	100.172 ug/l	98
76) 1,2,3-Trichloropropane	11.220	75	229521m	90.444 ug/l	
77) Bromobenzene	11.183	156	234666	102.541 ug/l	98
78) n-propylbenzene	11.287	91	1119728	101.941 ug/l	99
79) 2-Chlorotoluene	11.348	91	683867	101.652 ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	787327	103.134 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	102555	105.689 ug/l	98
82) 4-Chlorotoluene	11.433	91	802929	101.054 ug/l	100
83) tert-Butylbenzene	11.695	119	791896	101.333 ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	790557	102.144 ug/l	99
85) sec-Butylbenzene	11.872	105	945321	101.840 ug/l	100
86) p-Isopropyltoluene	11.994	119	797643	101.501 ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	432248	101.689 ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	431839	98.985 ug/l	100
89) n-Butylbenzene	12.311	91	757239	104.138 ug/l	99
90) Hexachloroethane	12.518	117	148048	107.304 ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	414491	102.352 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	61029	107.225 ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	278777	105.922 ug/l	100
94) Hexachlorobutadiene	13.707	225	92124	103.049 ug/l	99
95) Naphthalene	13.756	128	854492	106.620 ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	263512	107.633 ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:15:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 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

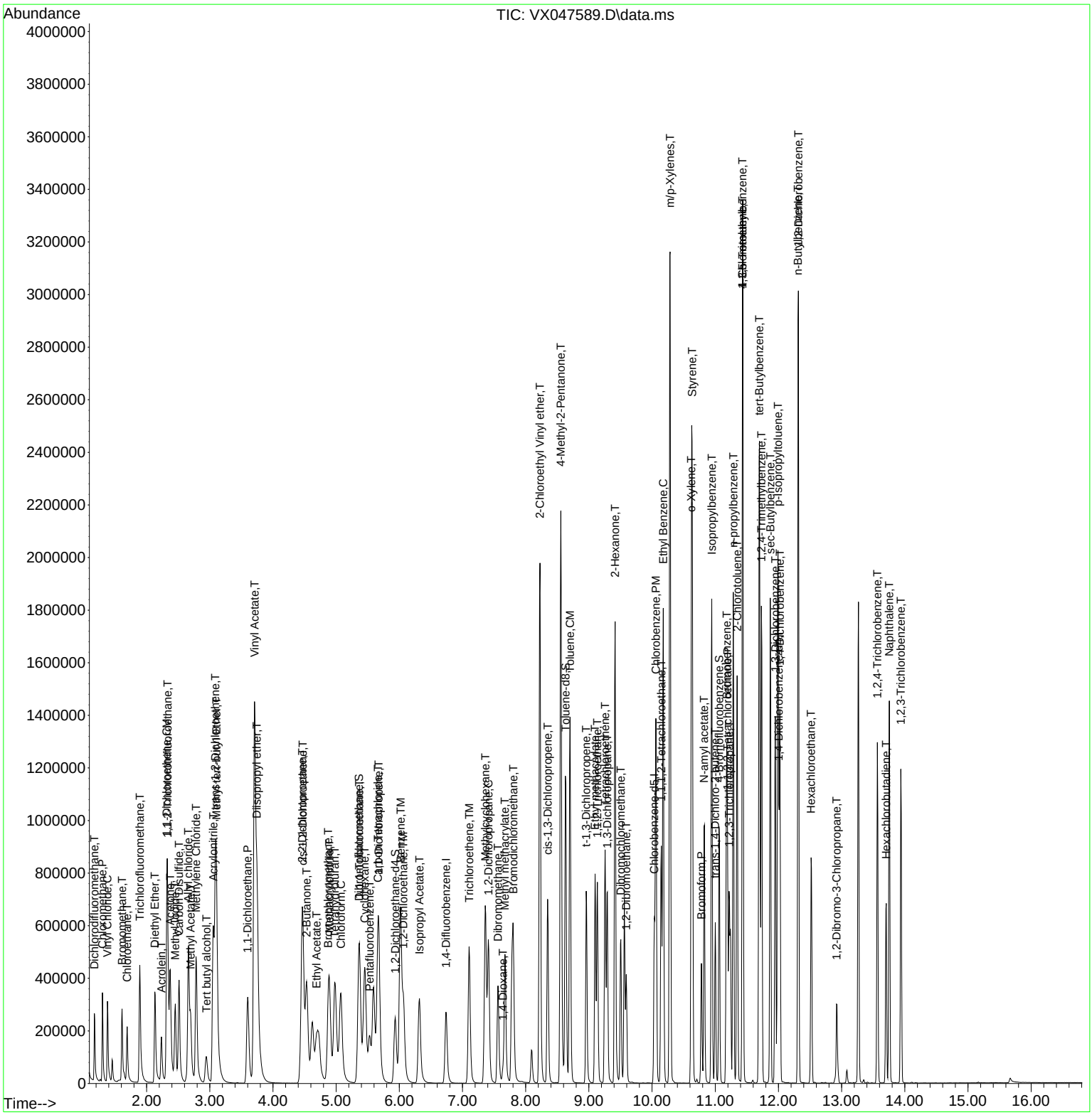
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

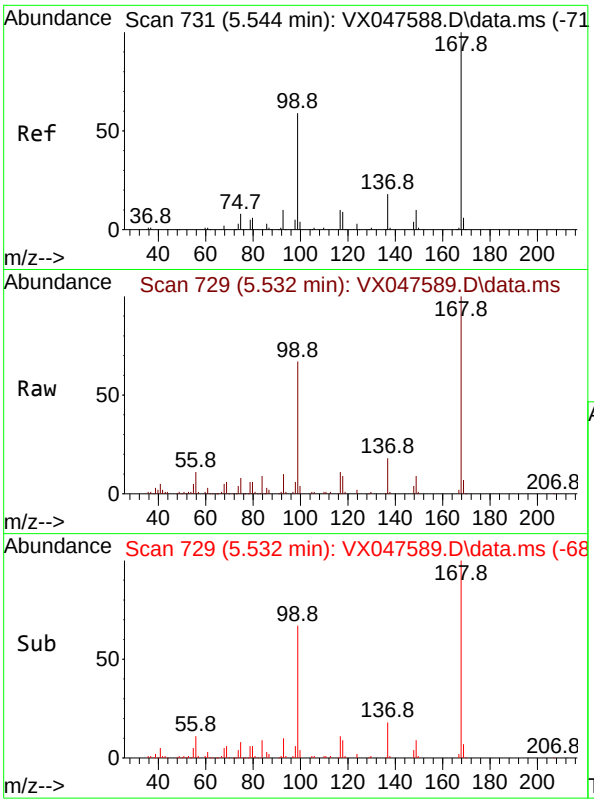
Quant Time: Sep 17 06:15:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

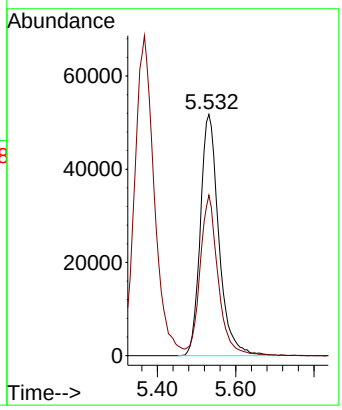




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:168 Resp: 16928

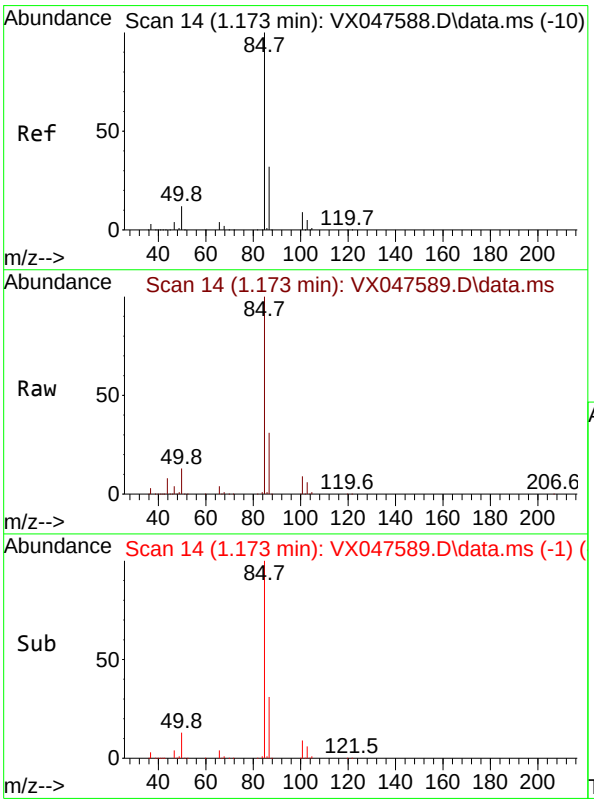
Ion	Ratio	Lower	Upper
168	100		
99	66.4	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

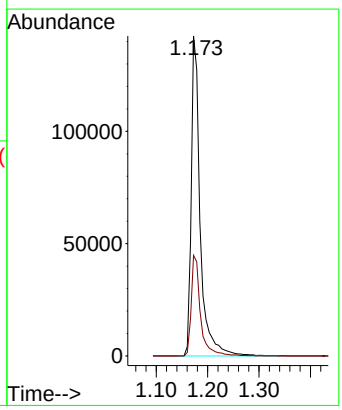
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

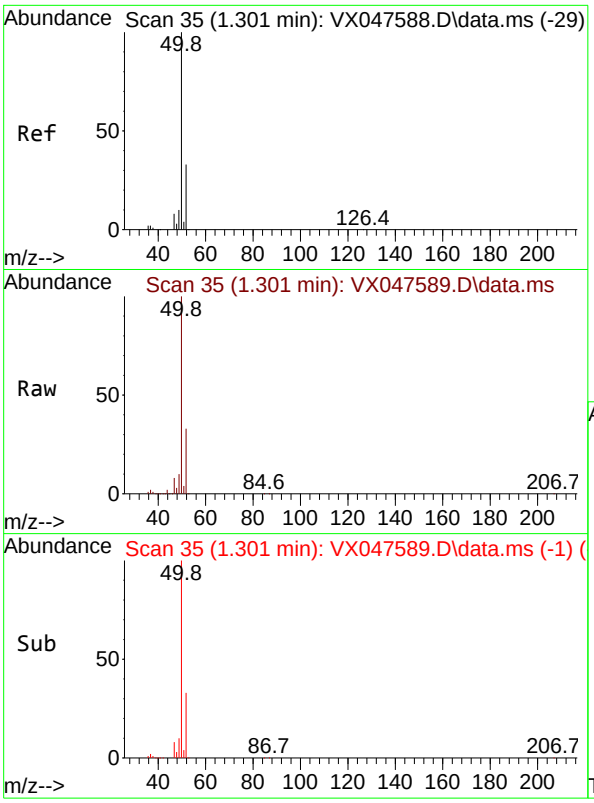


#2
Dichlorodifluoromethane
Concen: 98.537 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 85 Resp: 172727

Ion	Ratio	Lower	Upper
85	100		
87	31.4	15.8	47.3

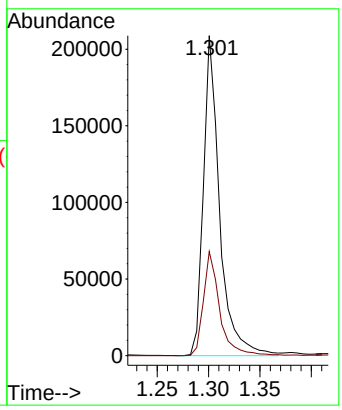




#3
Chloromethane
Concen: 99.472 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 50 Resp: 22916

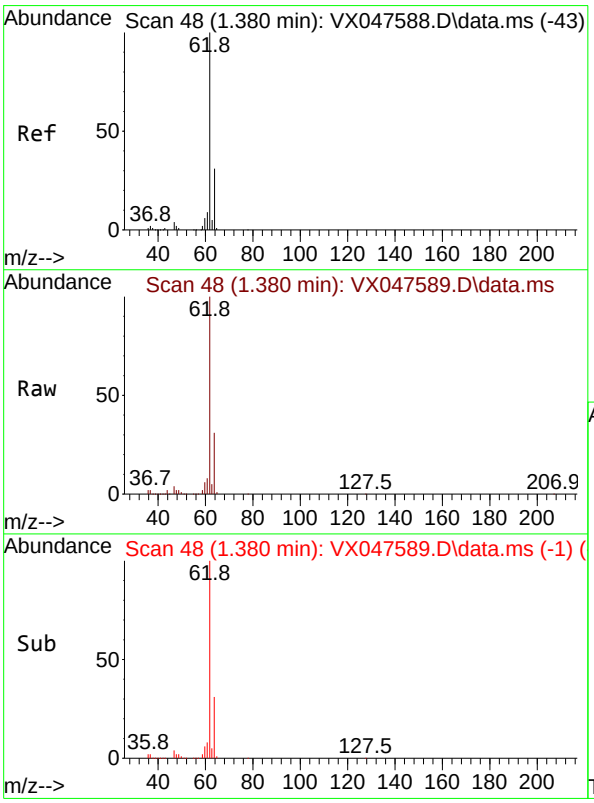
Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

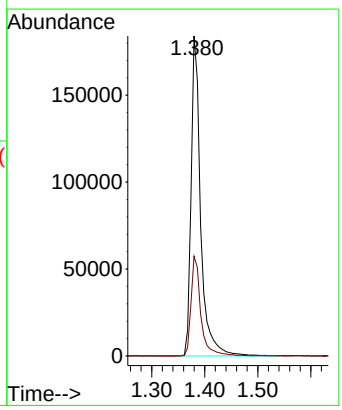
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

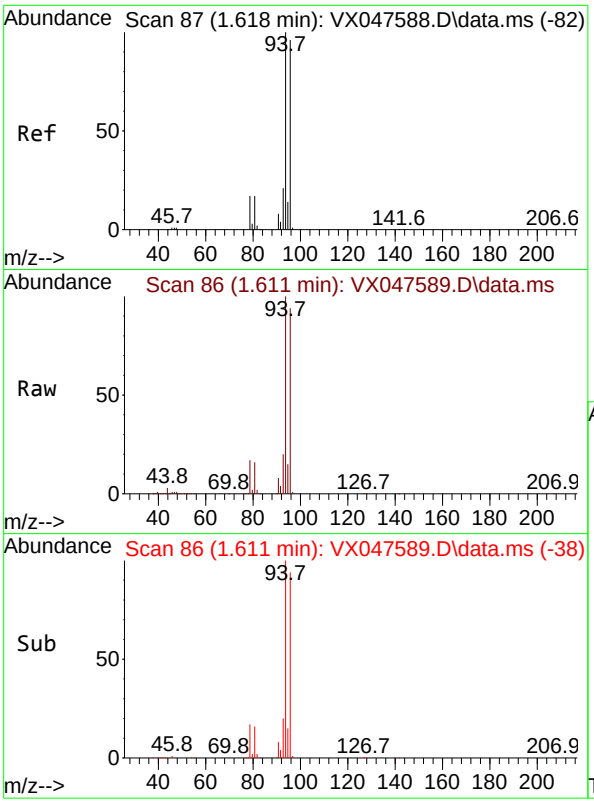


#4
Vinyl Chloride
Concen: 101.621 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 62 Resp: 229175

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.9	37.3





#5
Bromomethane
Concen: 100.076 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

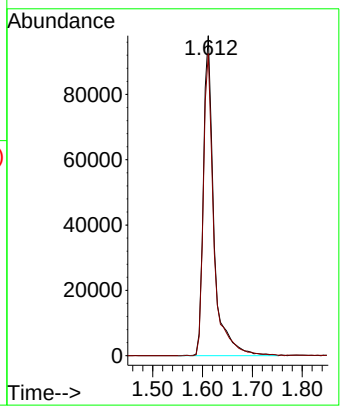
Tgt Ion: 94 Resp: 14311

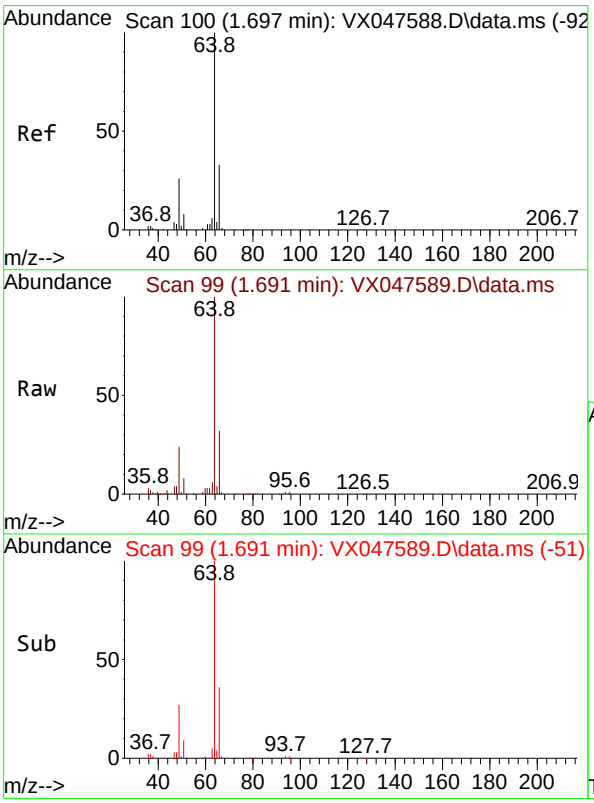
Ion	Ratio	Lower	Upper
94	100		
96	94.4	76.6	115.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

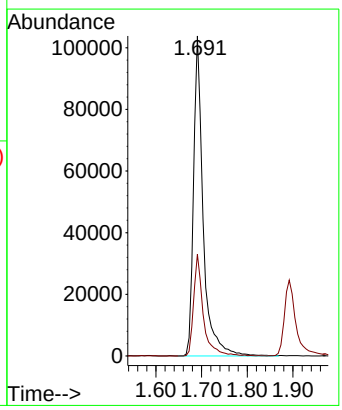


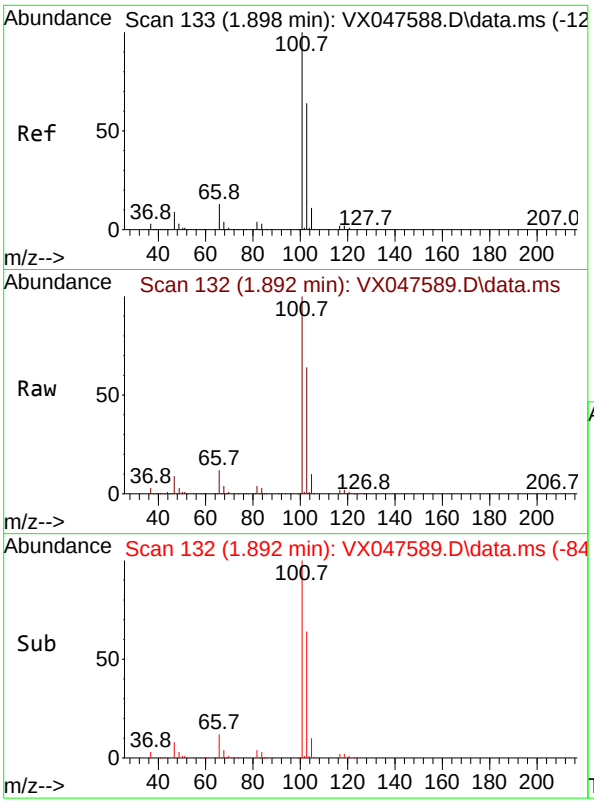


#6
Chloroethane
Concen: 101.167 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 64 Resp: 152487

Ion	Ratio	Lower	Upper
64	100		
66	31.8	26.1	39.1

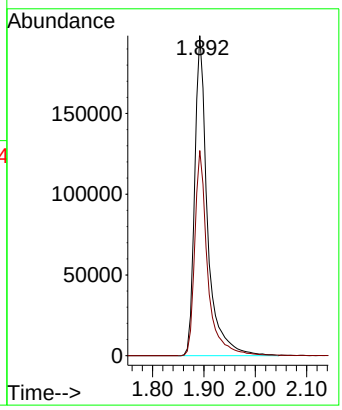




#7
Trichlorofluoromethane
Concen: 102.878 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:101 Resp: 34448

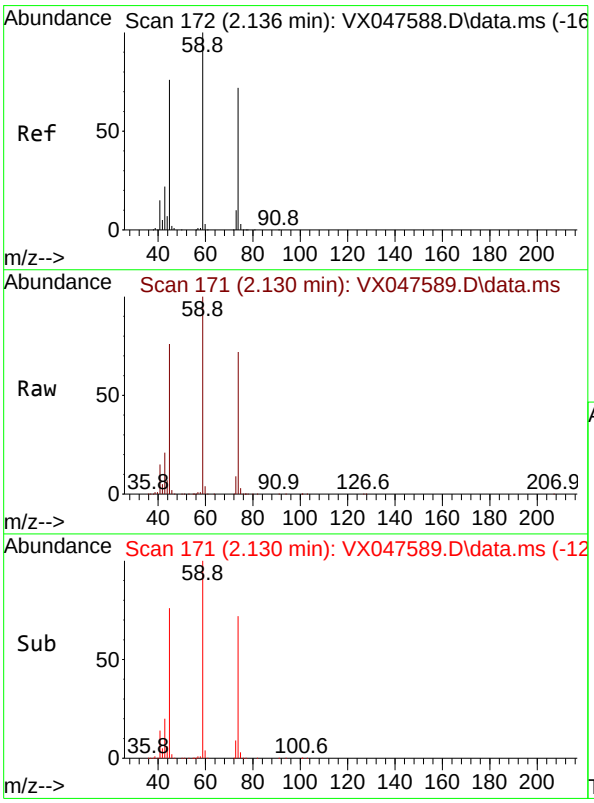
Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

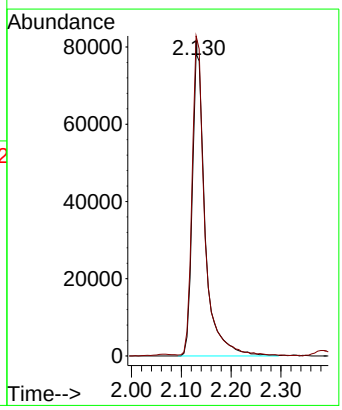
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

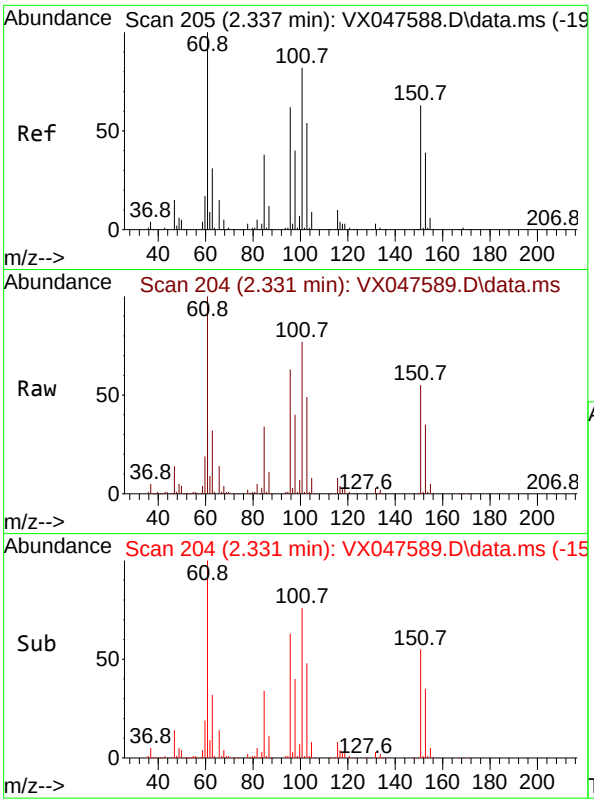


#8
Diethyl Ether
Concen: 103.695 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 74 Resp: 142038

Ion	Ratio	Lower	Upper
74	100		
45	104.6	52.3	156.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 102.067 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

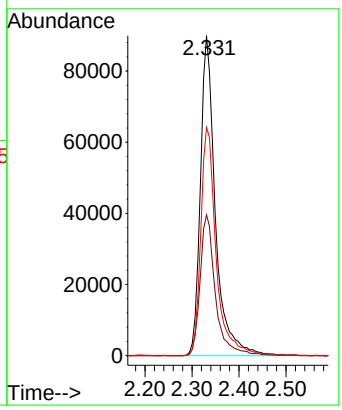
Tgt Ion:101 Resp: 19984

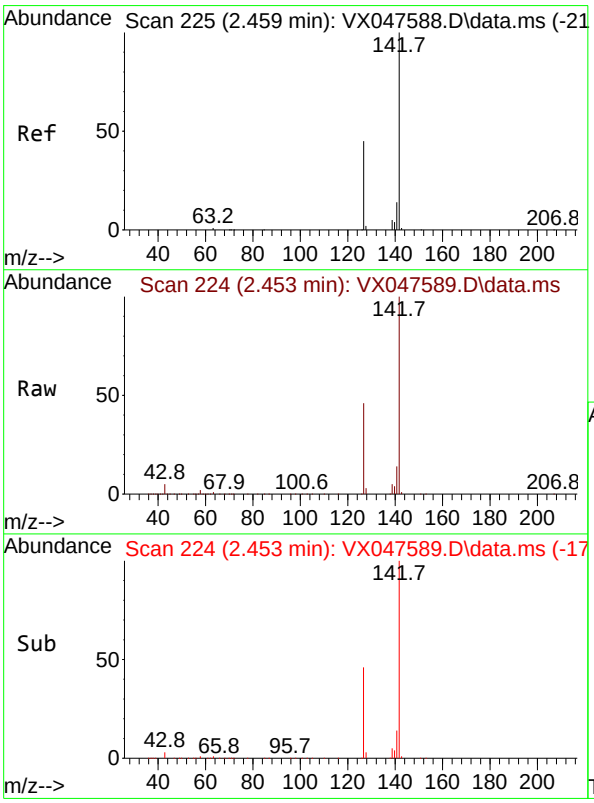
Ion	Ratio	Lower	Upper
101	100		
85	45.1	35.5	53.3
151	73.6	59.4	89.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

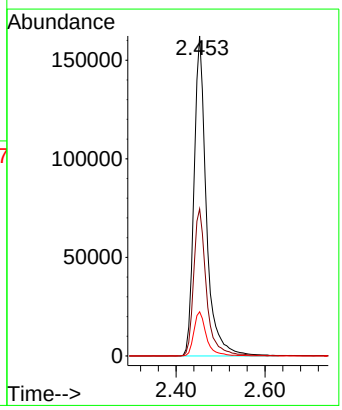


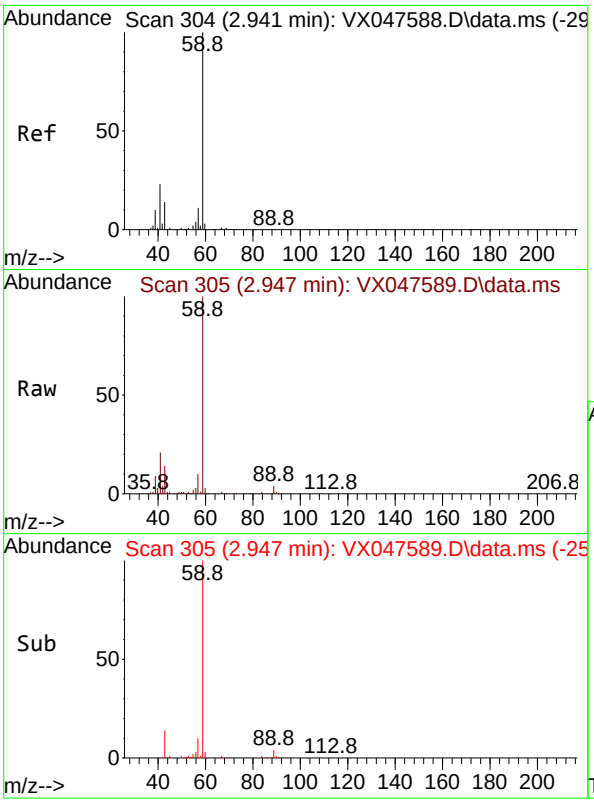


#10
Methyl Iodide
Concen: 102.531 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:142 Resp: 313092

Ion	Ratio	Lower	Upper
142	100		
127	47.3	37.2	55.8
141	14.1	11.4	17.0





#11
Tert butyl alcohol
Concen: 506.863 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

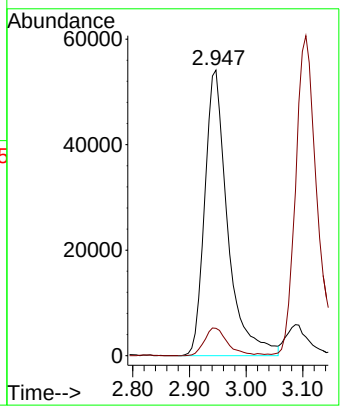
Tgt Ion: 59 Resp: 15210

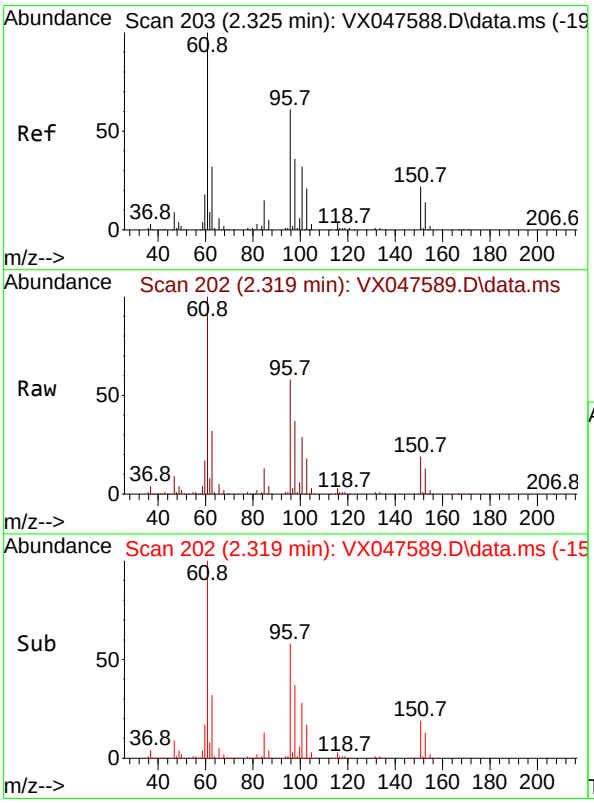
Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

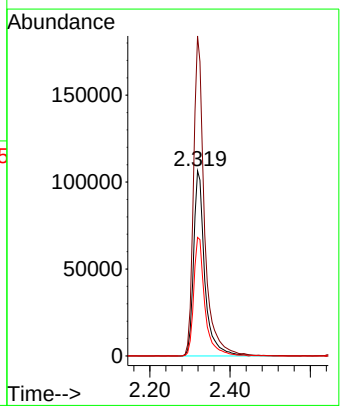


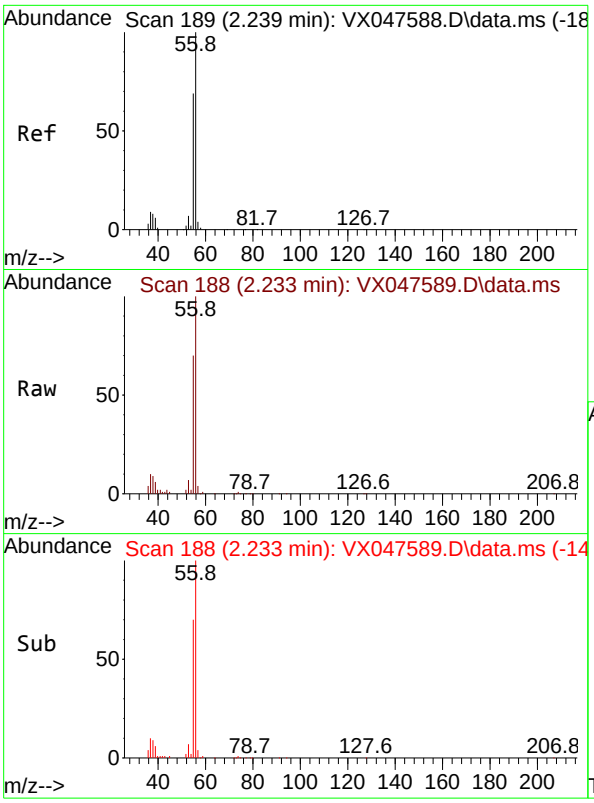


#12
1,1-Dichloroethene
Concen: 102.473 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 96 Resp: 206097

Ion	Ratio	Lower	Upper
96	100		
61	172.9	131.0	196.6
98	64.0	47.7	71.5

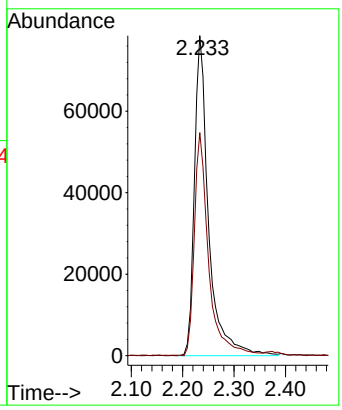




#13
Acrolein
Concen: 545.276 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 56 Resp: 15079

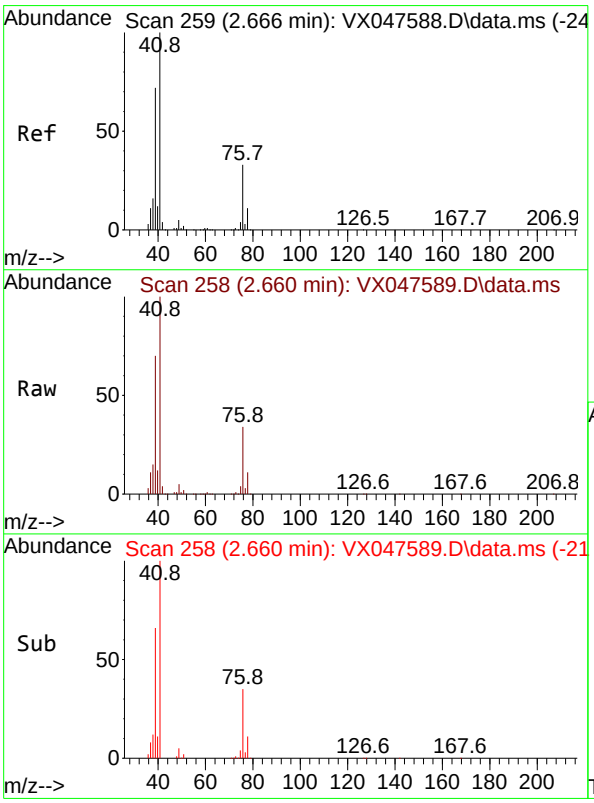
Ion	Ratio	Lower	Upper
56	100		
55	69.4	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

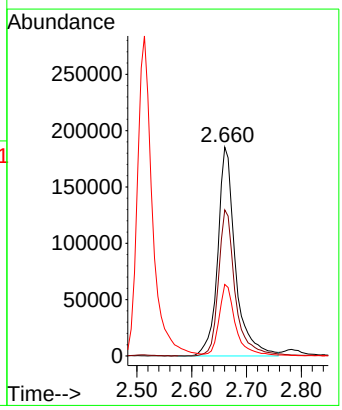
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

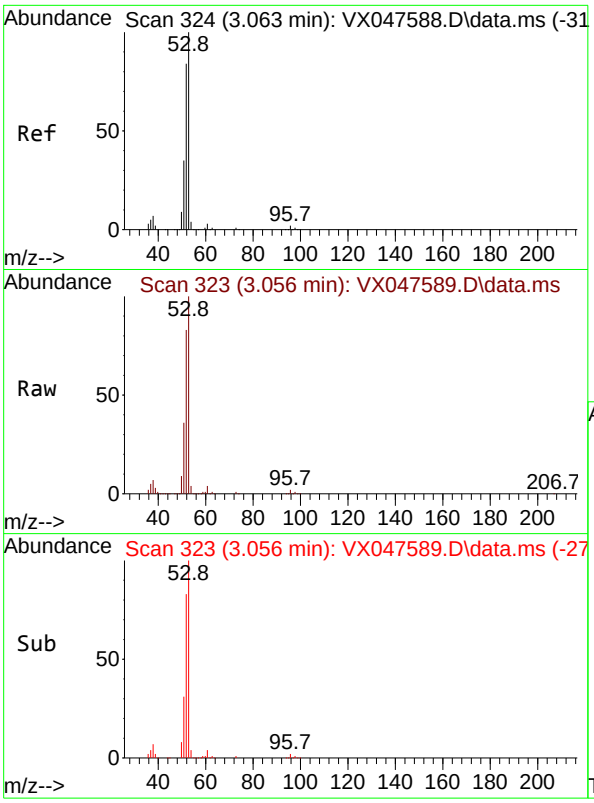


#14
Allyl chloride
Concen: 100.028 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 41 Resp: 415140

Ion	Ratio	Lower	Upper
41	100		
39	67.0	54.7	82.1
76	32.2	25.7	38.5

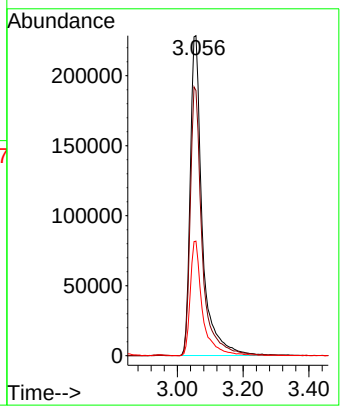




#15
Acrylonitrile
Concen: 522.897 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 53 Resp: 58124

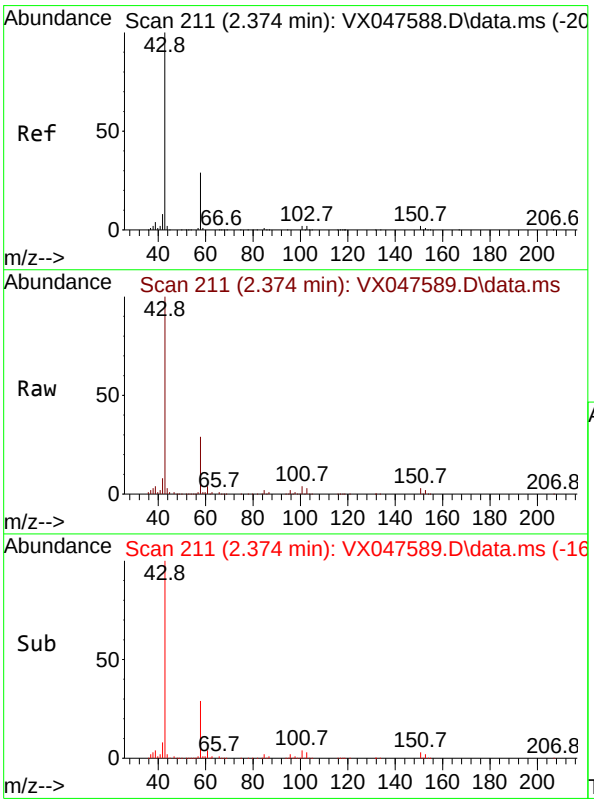
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.4	99.6
51	36.4	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

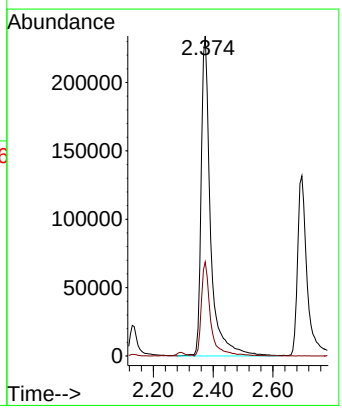
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

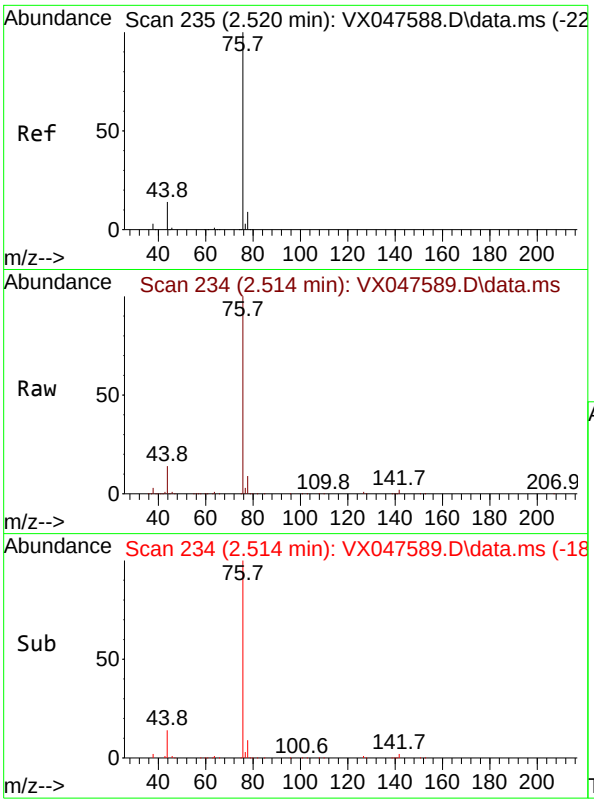


#16
Acetone
Concen: 435.772 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 510542

Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.4	35.0

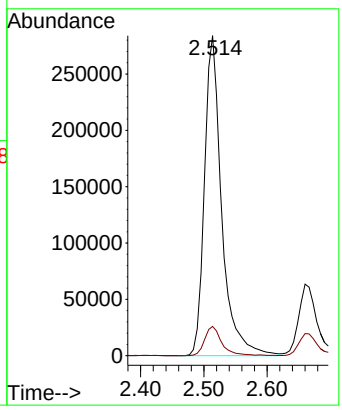




#17
Carbon Disulfide
Concen: 97.693 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 76 Resp: 53788

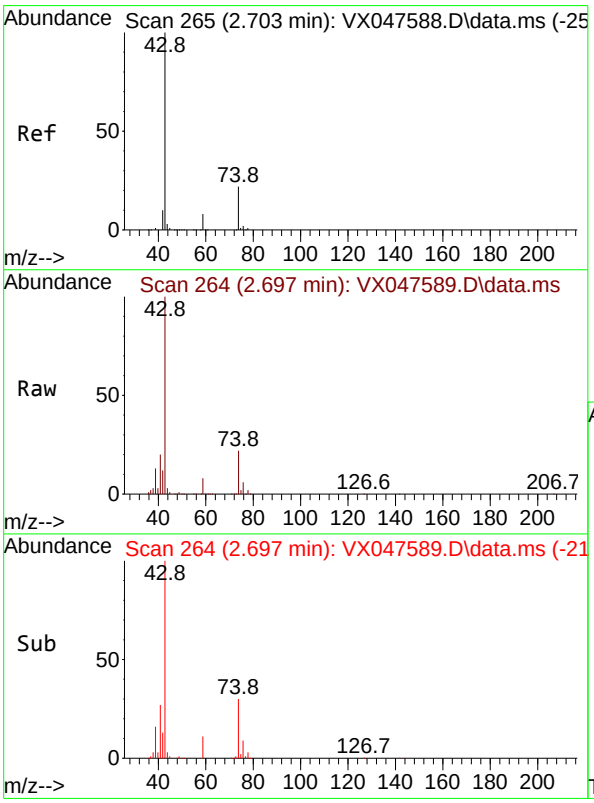
Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

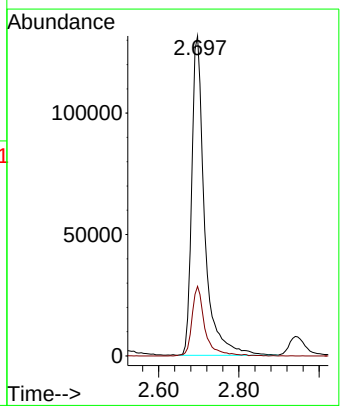
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

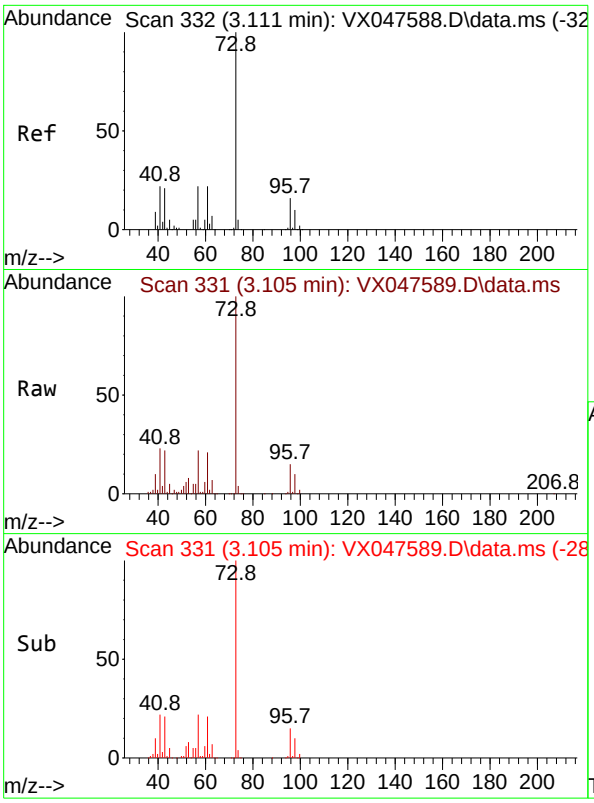


#18
Methyl Acetate
Concen: 112.324 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 292867

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2

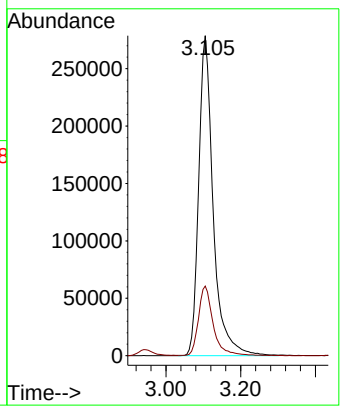




#19
Methyl tert-butyl Ether
Concen: 102.011 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 73 Resp: 74895

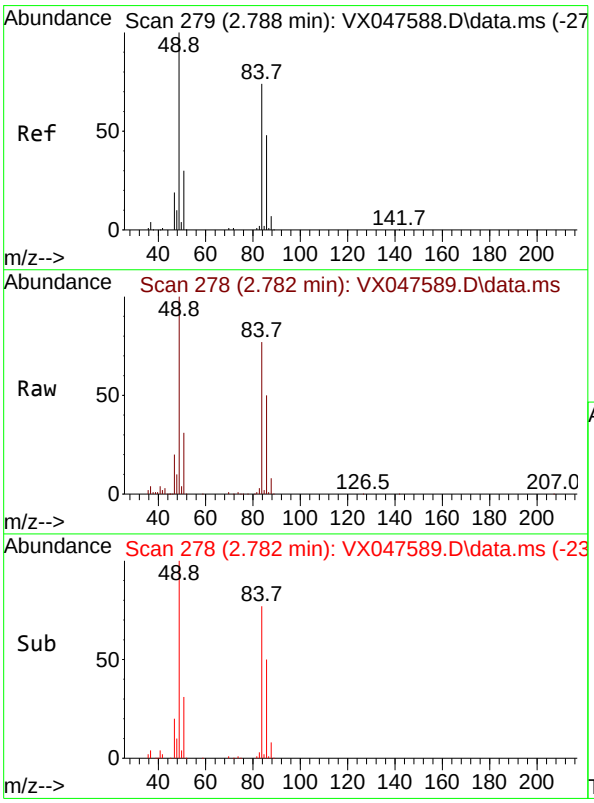
Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

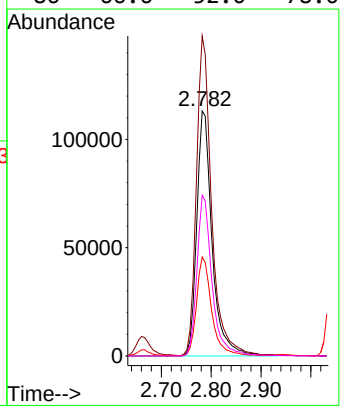
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

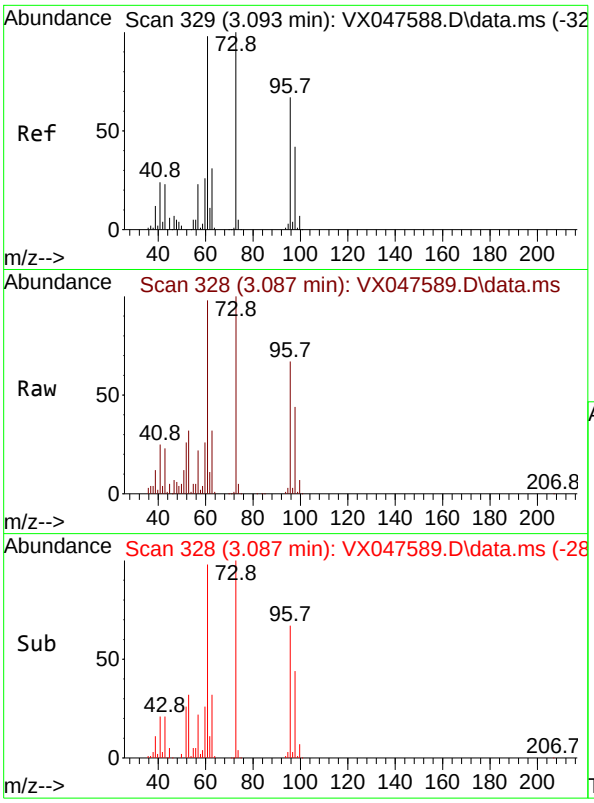


#20
Methylene Chloride
Concen: 97.805 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 84 Resp: 242548

Ion	Ratio	Lower	Upper
84	100		
49	130.4	108.6	162.8
51	40.3	32.6	48.8
86	66.6	52.0	78.0

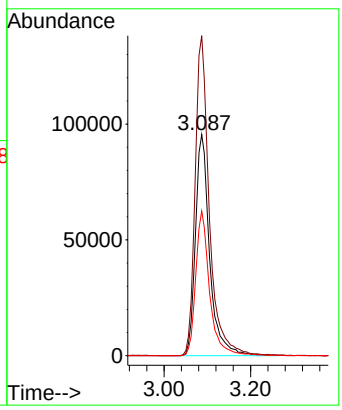




#21
trans-1,2-Dichloroethene
Concen: 100.566 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 96 Resp: 21775

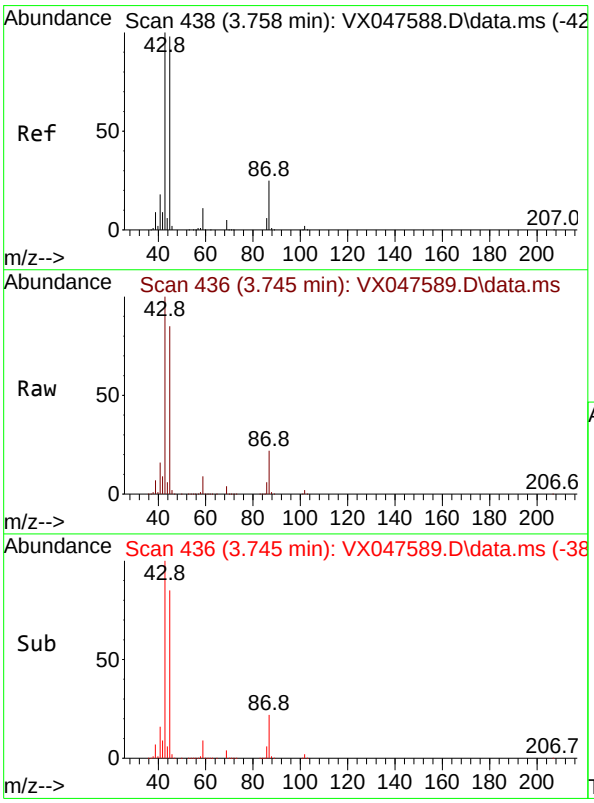
Ion	Ratio	Lower	Upper
96	100		
61	144.7	116.2	174.2
98	65.4	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

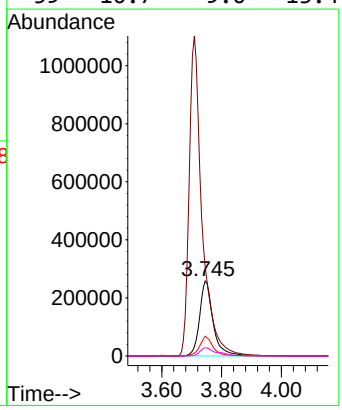
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

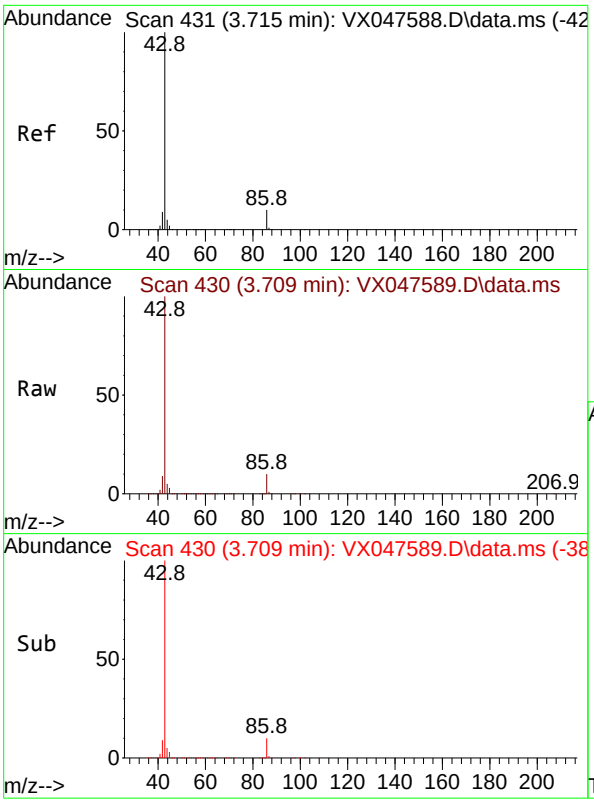


#22
Diisopropyl ether
Concen: 100.934 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 45 Resp: 811840

Ion	Ratio	Lower	Upper
45	100		
43	117.3	81.0	121.4
87	26.1	20.3	30.5
59	10.7	9.0	13.4

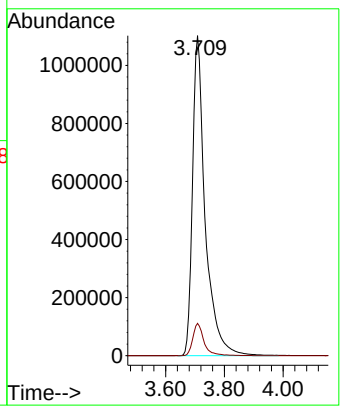




#23
Vinyl Acetate
Concen: 514.916 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 331470

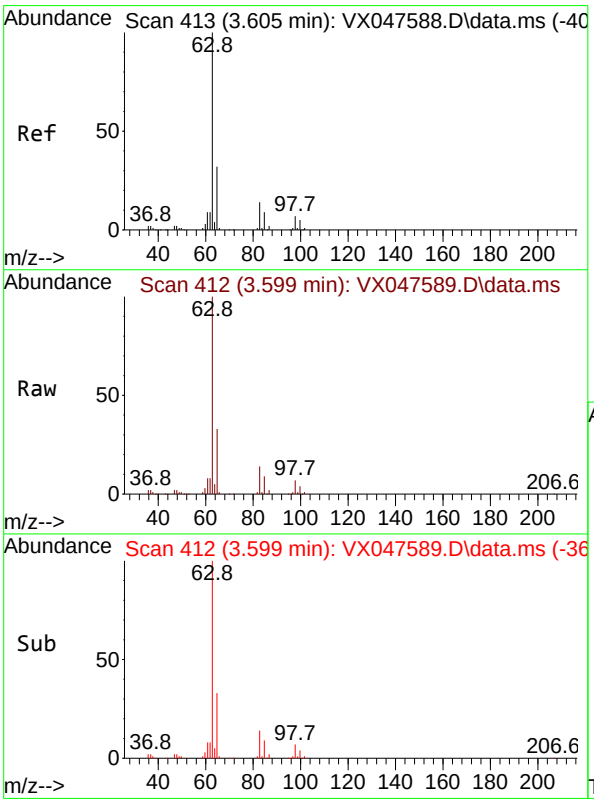
Ion	Ratio	Lower	Upper
43	100		
86	10.1	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

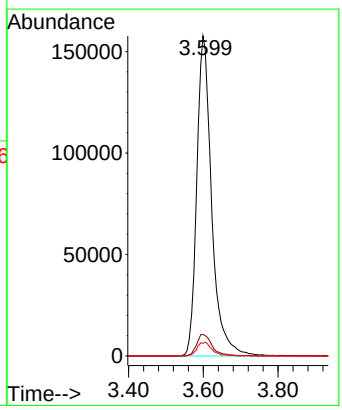
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

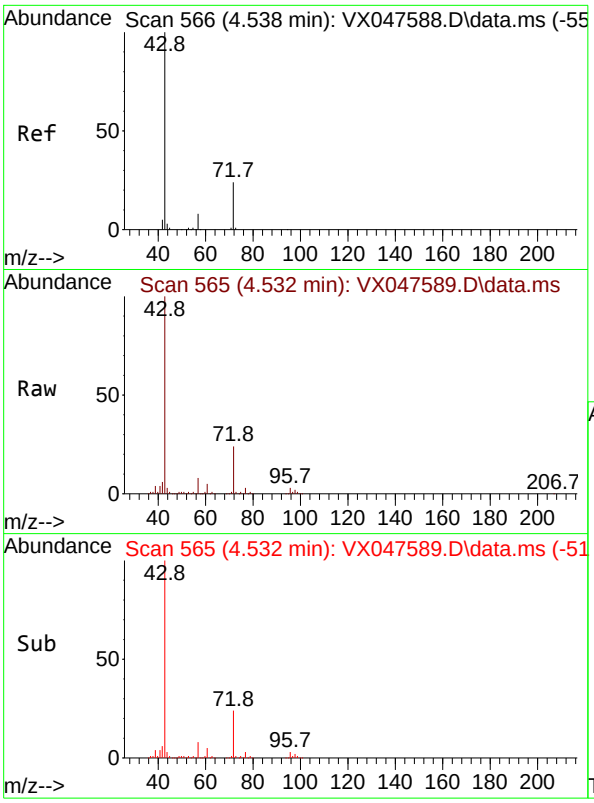


#24
1,1-Dichloroethane
Concen: 101.944 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 63 Resp: 435815

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.8	11.2
100	4.0	2.3	6.9





#25
2-Butanone
Concen: 479.558 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

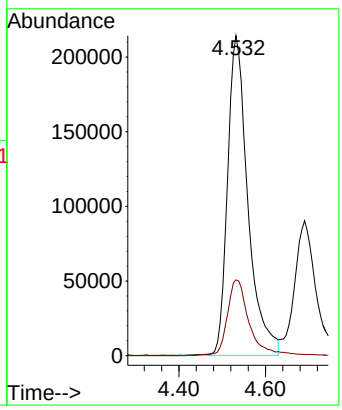
Tgt Ion: 43 Resp: 70082

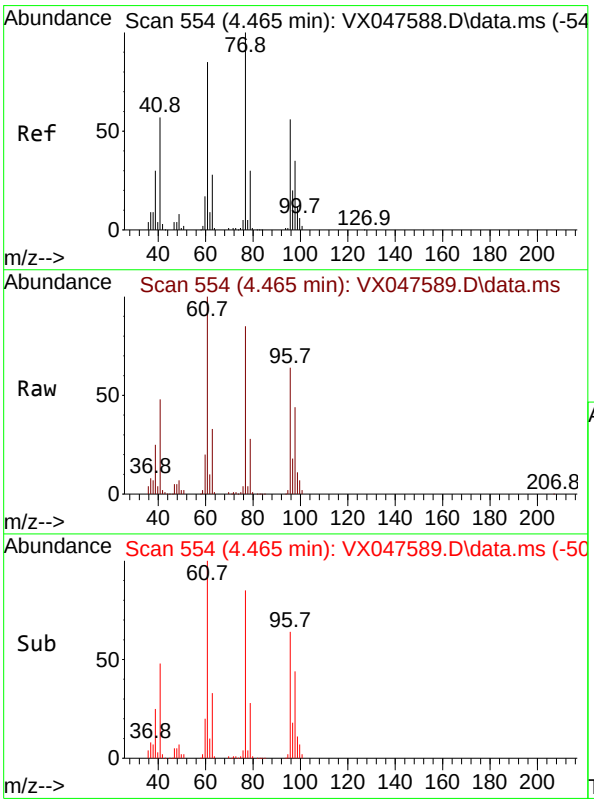
Ion	Ratio	Lower	Upper
43	100		
72	23.8	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

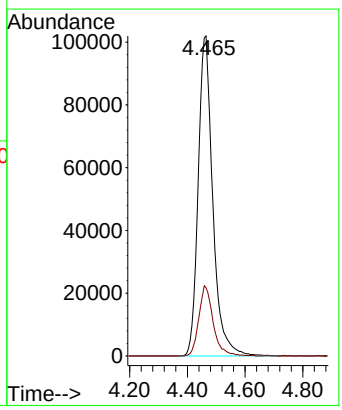


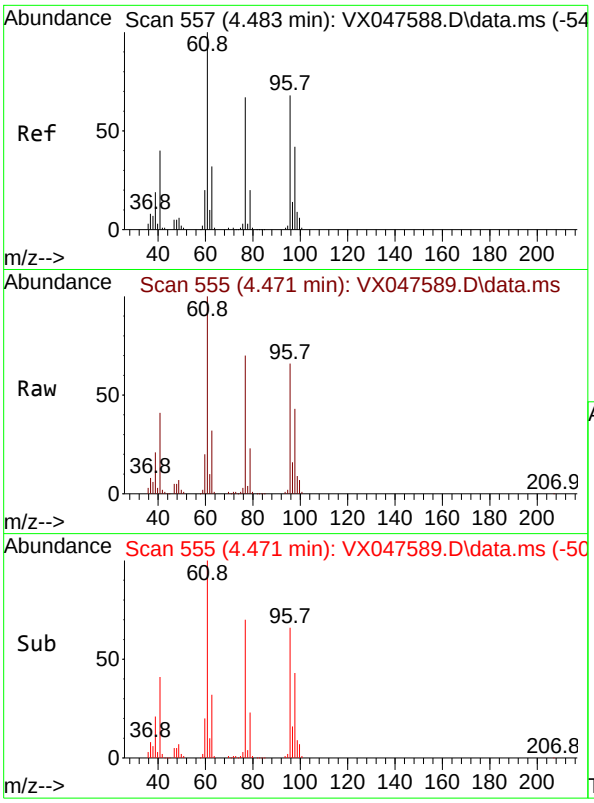


#26
2,2-Dichloropropane
Concen: 100.542 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 77 Resp: 357292

Ion	Ratio	Lower	Upper
77	100		
97	21.6	10.9	32.7

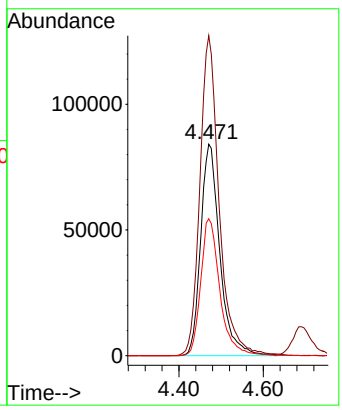




#27
cis-1,2-Dichloroethene
Concen: 100.516 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 96 Resp: 26655

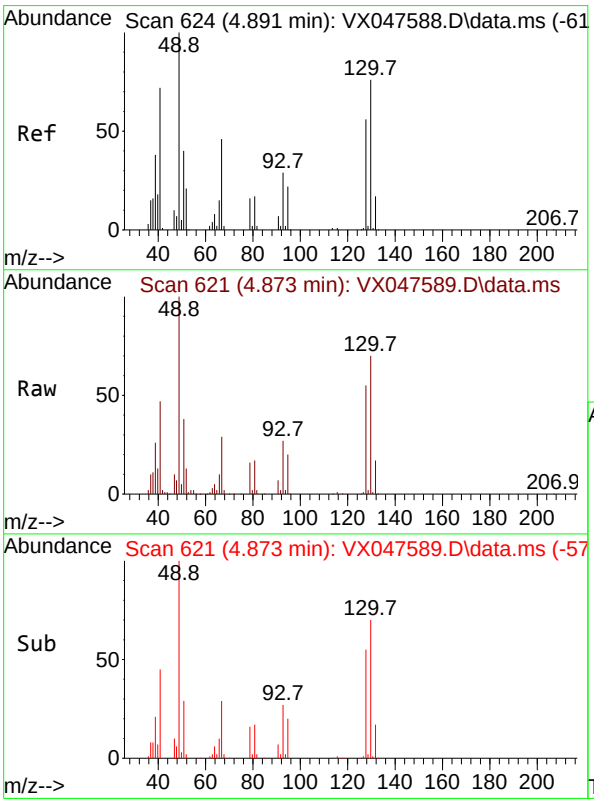
Ion	Ratio	Lower	Upper
96	100		
61	151.5	0.0	303.2
98	64.4	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

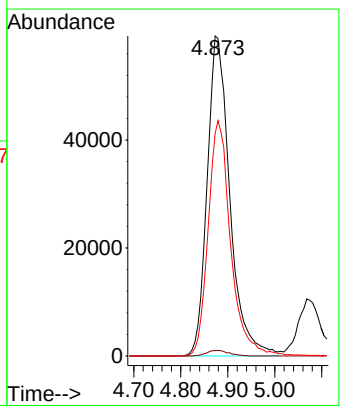
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

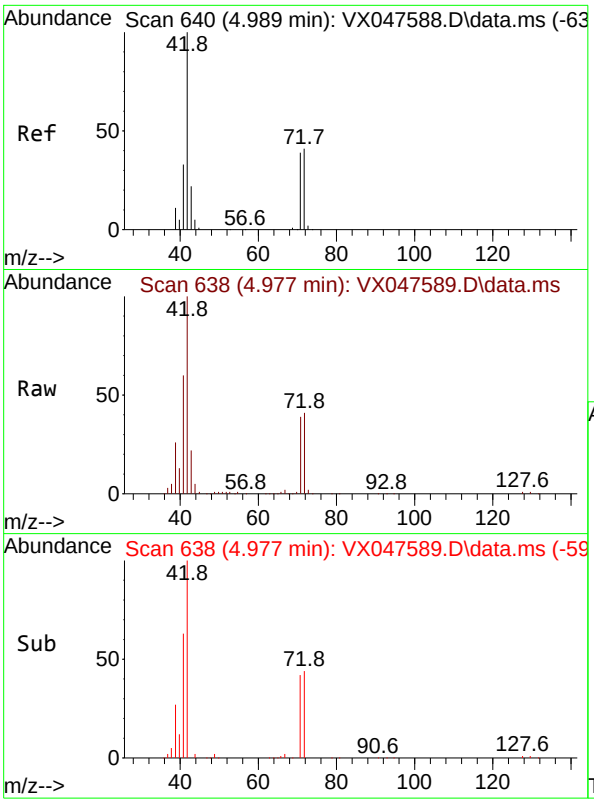


#28
Bromochloromethane
Concen: 106.512 ug/l
RT: 4.873 min Scan# 621
Delta R.T. -0.018 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 49 Resp: 198788

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	72.8	57.8	86.8





#29
Tetrahydrofuran
Concen: 504.502 ug/l
RT: 4.977 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

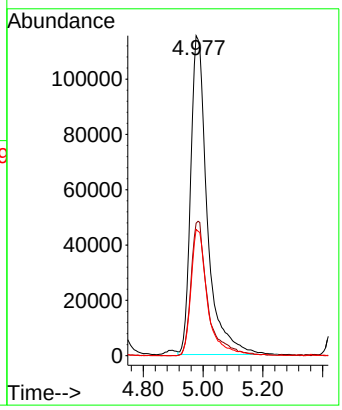
Tgt Ion: 42 Resp: 44353

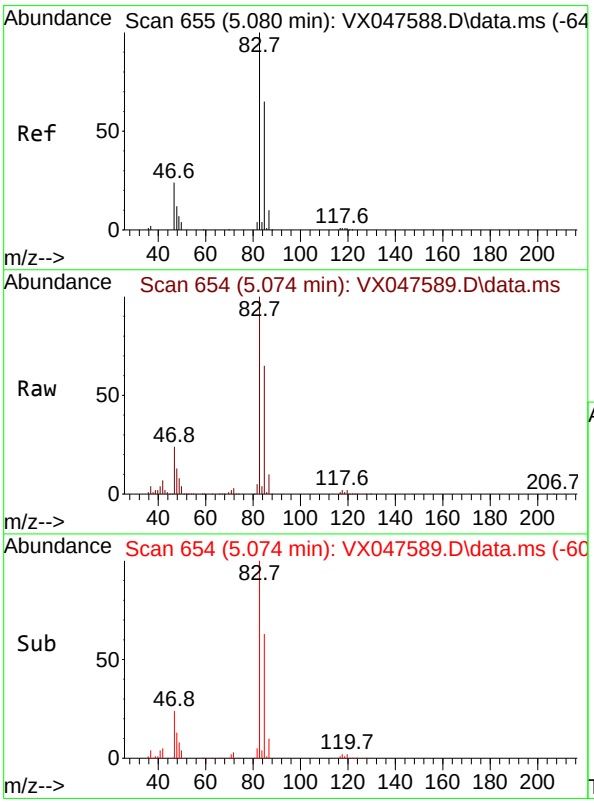
Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.2	51.2
71	39.5	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

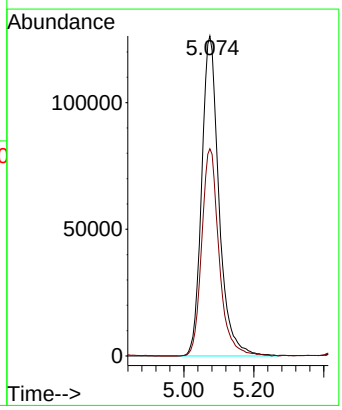


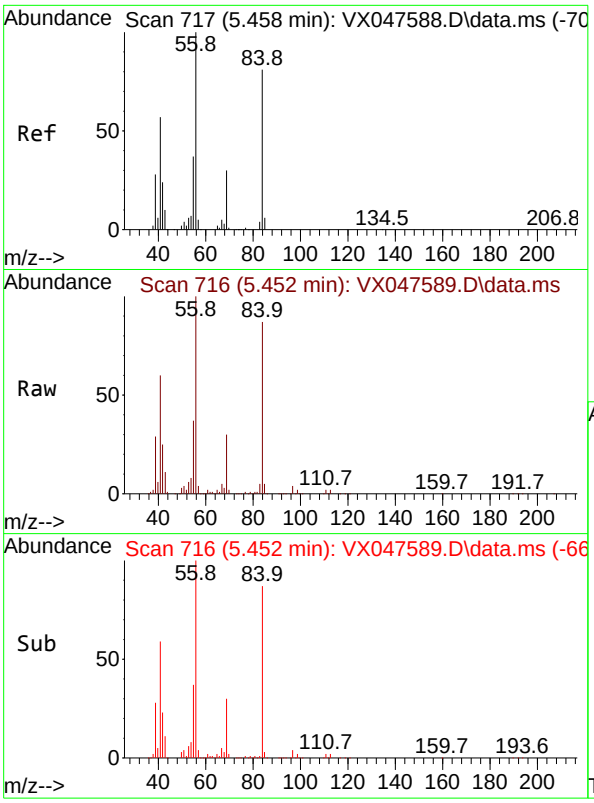


#30
Chloroform
Concen: 100.447 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 83 Resp: 433937

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.6

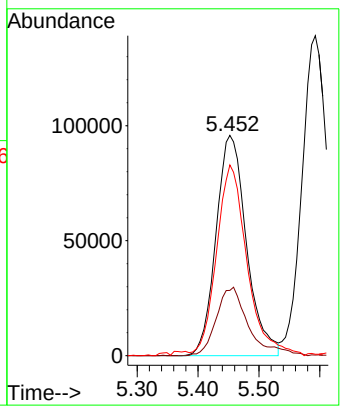




#31
Cyclohexane
Concen: 93.523 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 56 Resp: 33299

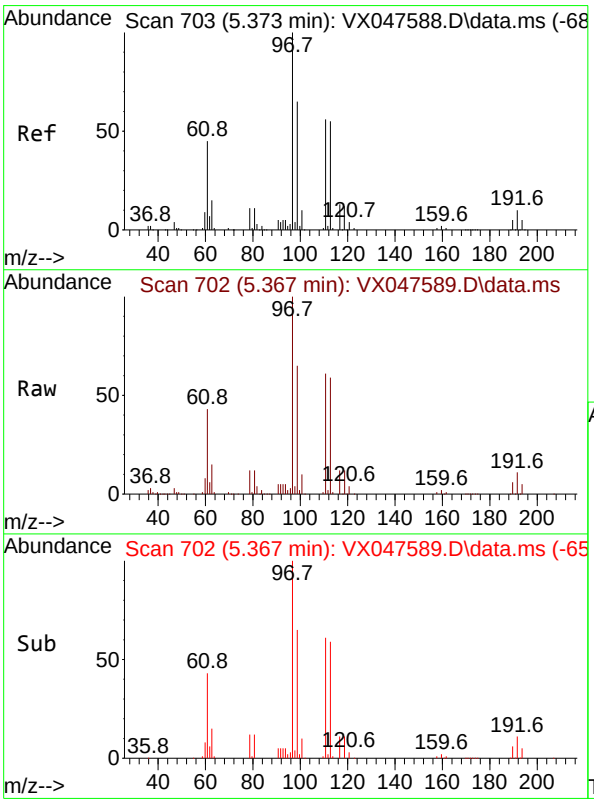
Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.8	35.8
84	84.7	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

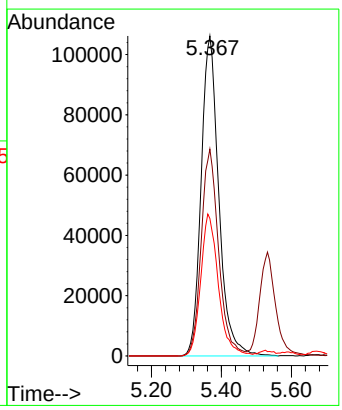
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

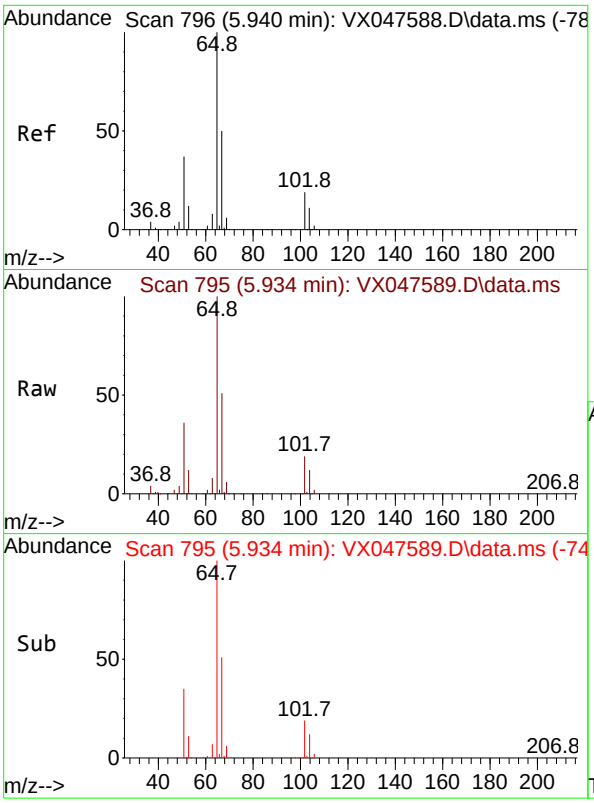


#32
1,1,1-Trichloroethane
Concen: 101.607 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 97 Resp: 372323

Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.6	76.0
61	44.4	35.8	53.8





#33
1,2-Dichloroethane-d4
Concen: 102.341 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

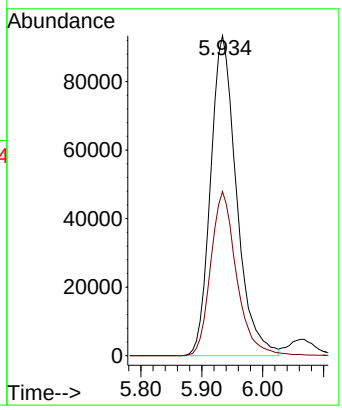
Tgt Ion: 65 Resp: 27575

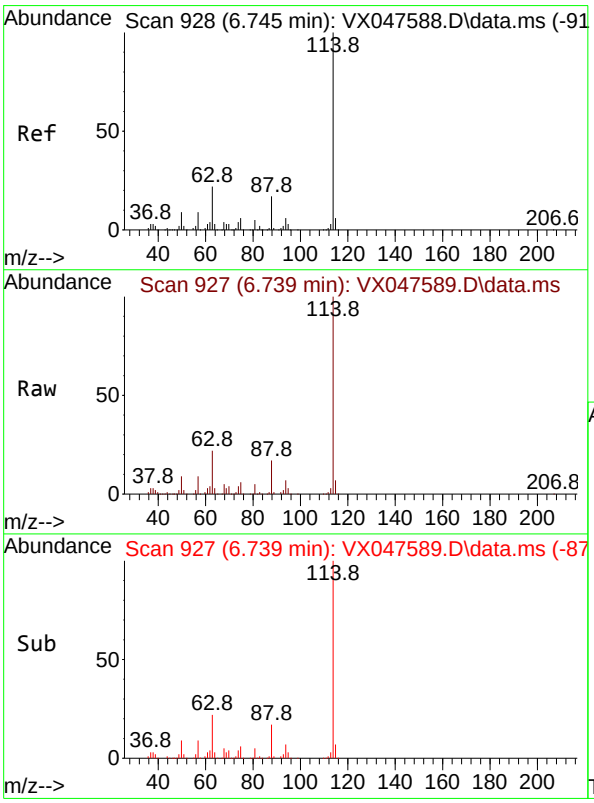
Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	103.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

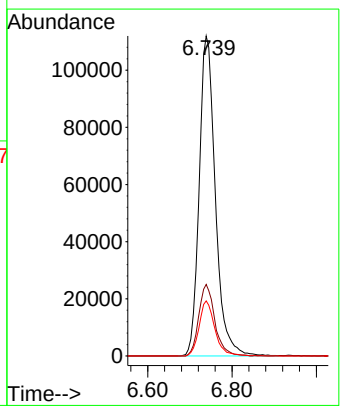


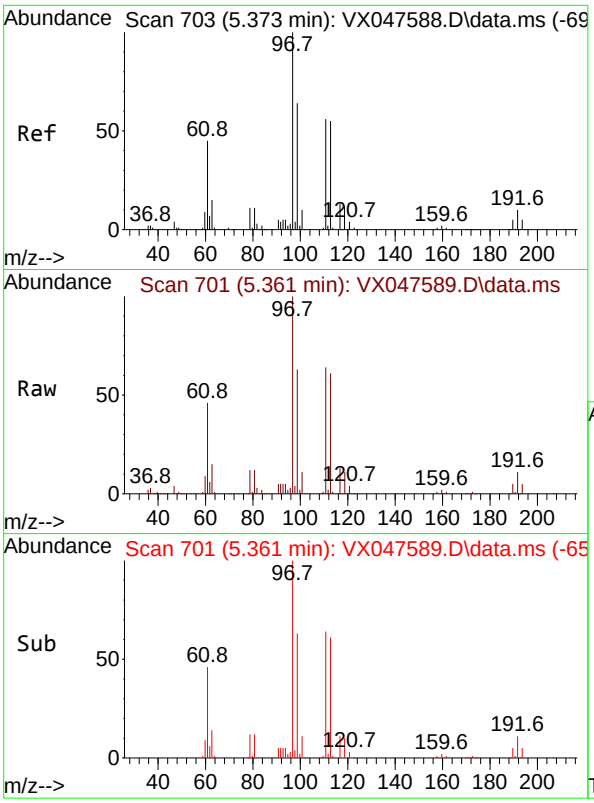


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:114 Resp: 298913

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	17.2	0.0	34.2

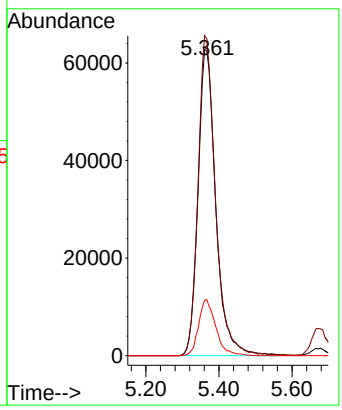




#35
Dibromofluoromethane
Concen: 105.962 ug/l
RT: 5.361 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:113 Resp: 21241

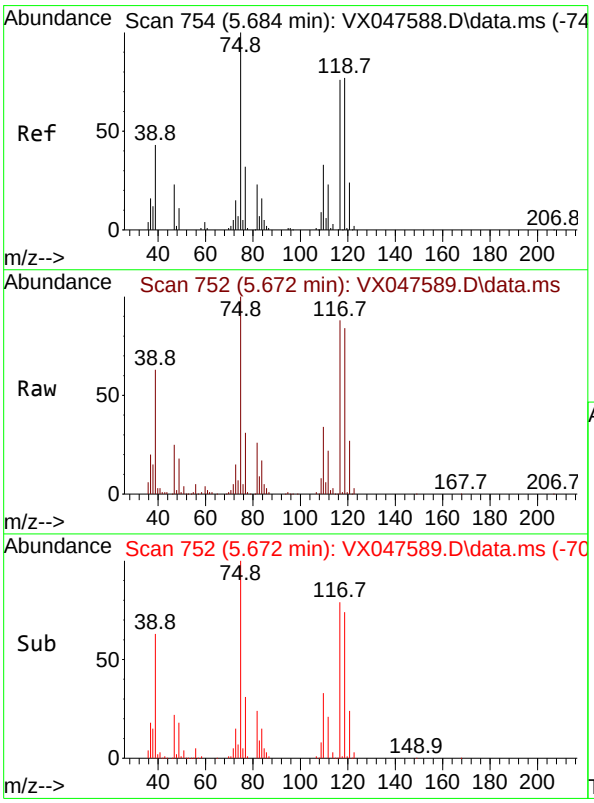
Ion	Ratio	Lower	Upper
113	100		
111	101.8	80.9	121.3
192	17.7	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

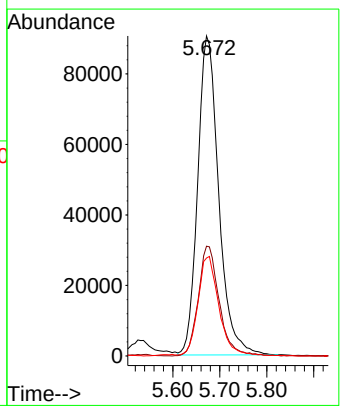
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

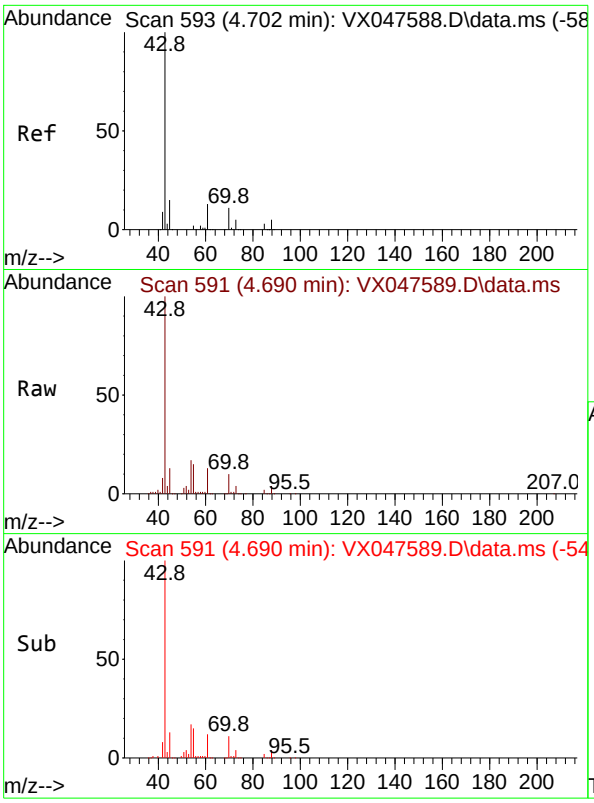


#36
1,1-Dichloropropene
Concen: 96.149 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 281650

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.7	50.1
77	31.3	24.3	36.5





#37
Ethyl Acetate
Concen: 101.641 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

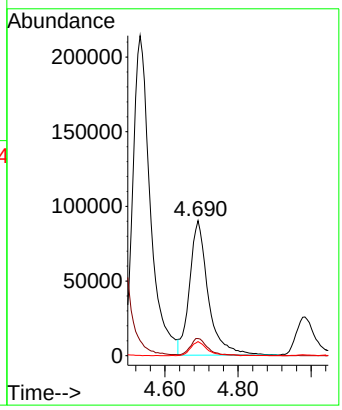
Tgt Ion: 43 Resp: 31879

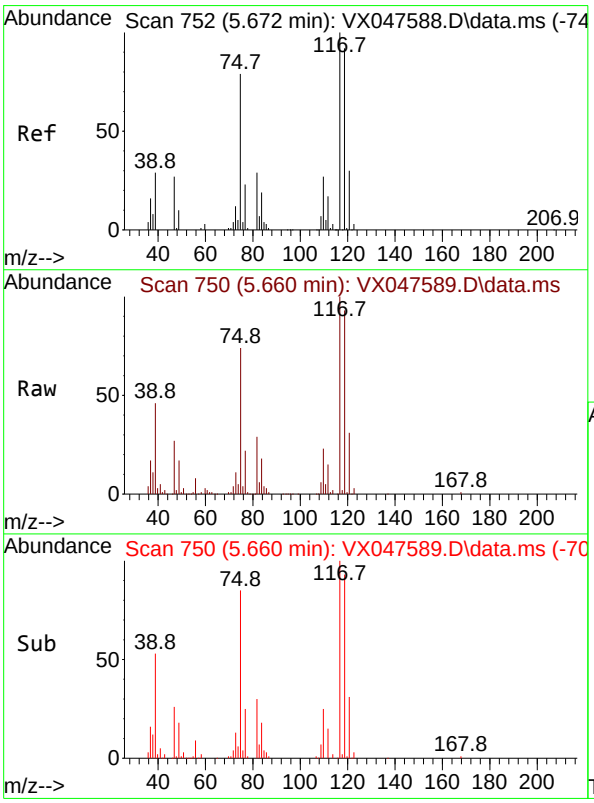
Ion	Ratio	Lower	Upper
43	100		
61	12.0	9.8	14.8
70	9.4	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

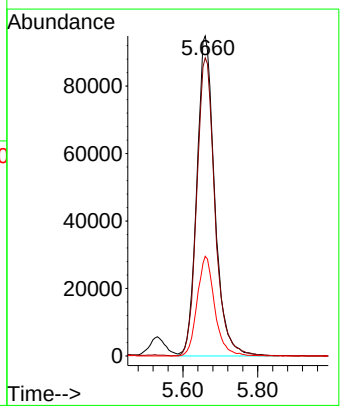


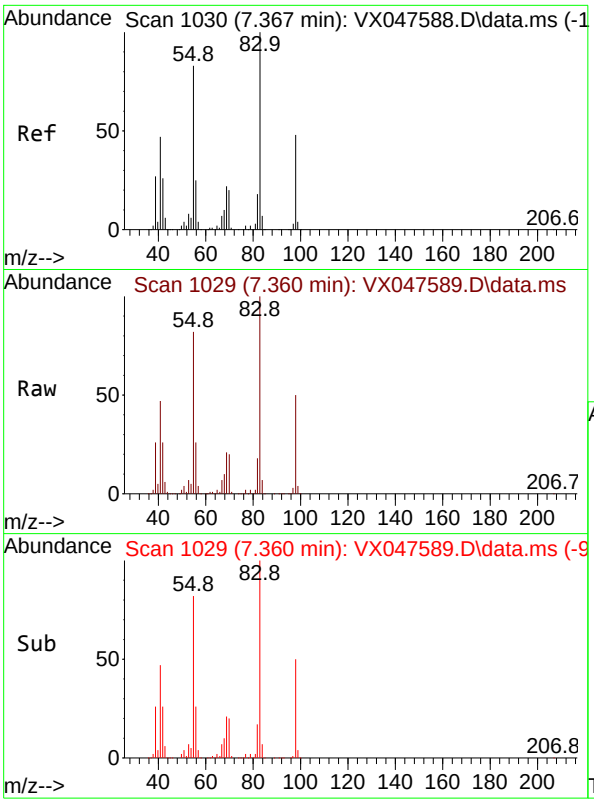


#38
Carbon Tetrachloride
Concen: 98.891 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:117 Resp: 314745

Ion	Ratio	Lower	Upper
117	100		
119	93.0	73.4	110.2
121	31.2	23.8	35.6





#39
Methylcyclohexane
Concen: 98.600 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

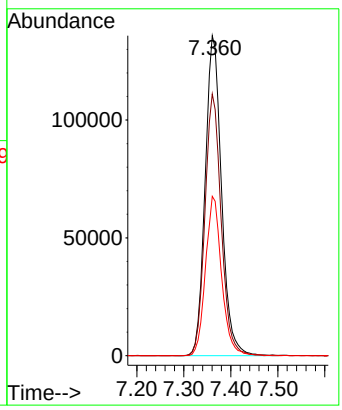
Tgt Ion: 83 Resp: 32785

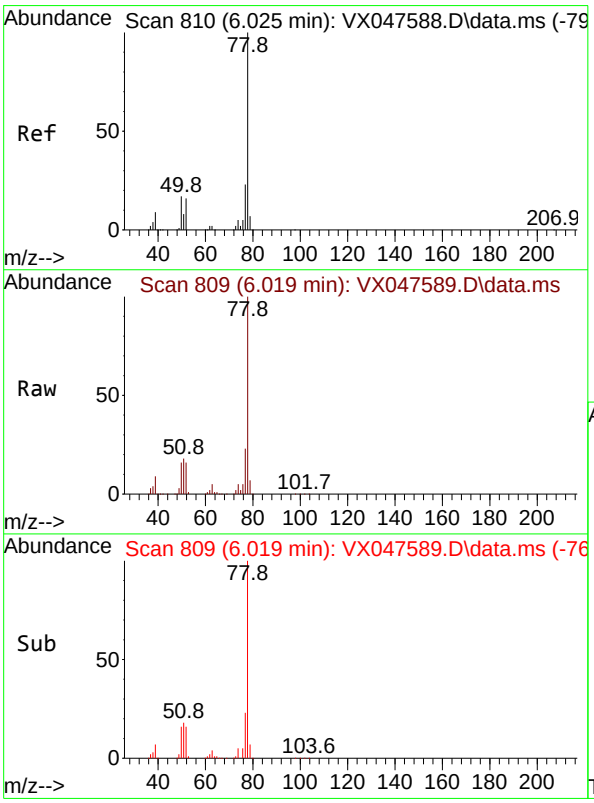
Ion	Ratio	Lower	Upper
83	100		
55	81.8	66.4	99.6
98	49.8	38.1	57.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

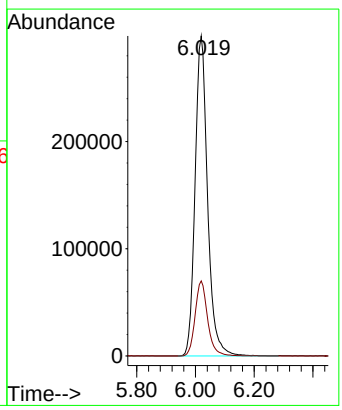


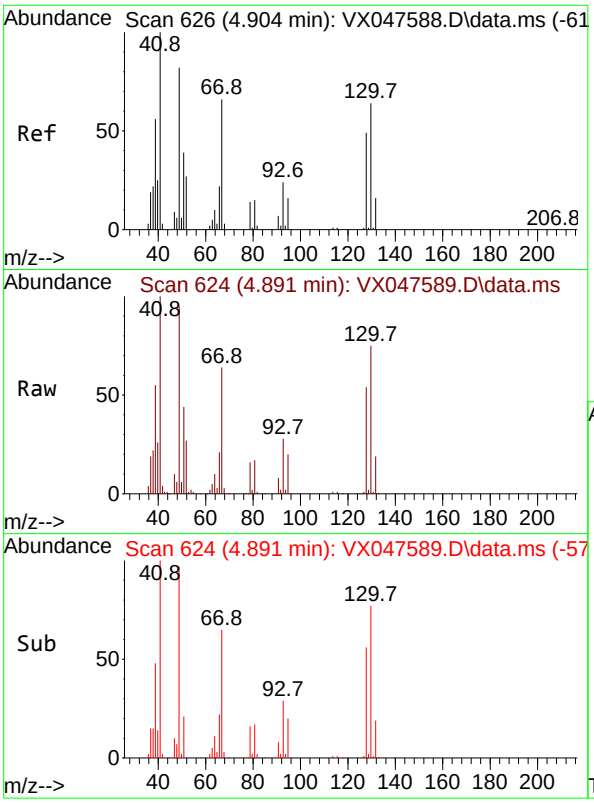


#40
Benzene
Concen: 99.009 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 78 Resp: 880885

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2

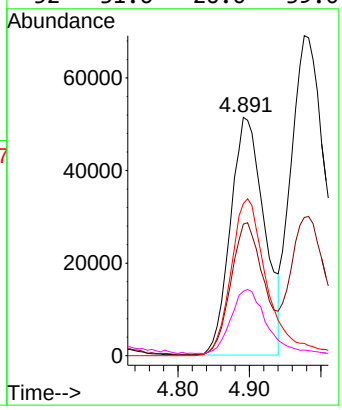




#41
Methacrylonitrile
Concen: 104.220 ug/l
RT: 4.891 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 41 Resp: 16875

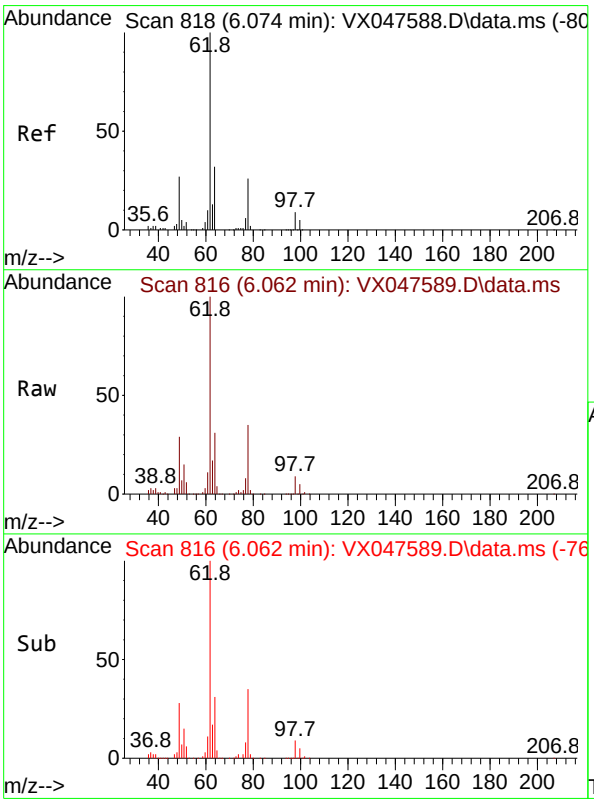
Ion	Ratio	Lower	Upper
41	100		
39	54.6	43.3	64.9
67	72.1	58.6	87.8
52	31.6	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

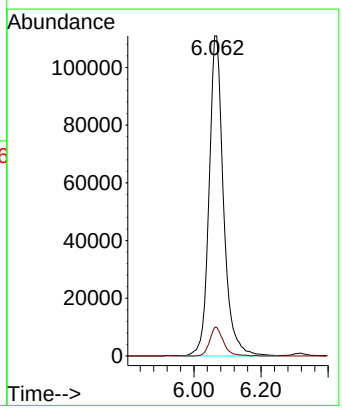
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

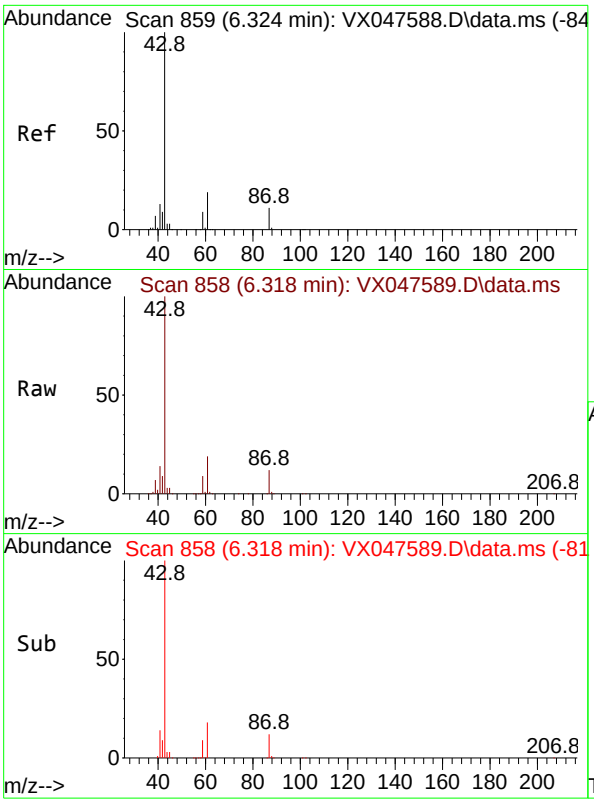


#42
1,2-Dichloroethane
Concen: 97.916 ug/l
RT: 6.062 min Scan# 816
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 62 Resp: 331465

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0

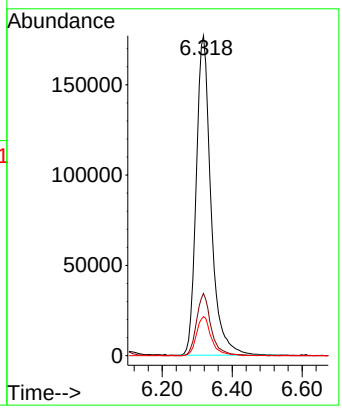




#43
Isopropyl Acetate
Concen: 100.482 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 51687

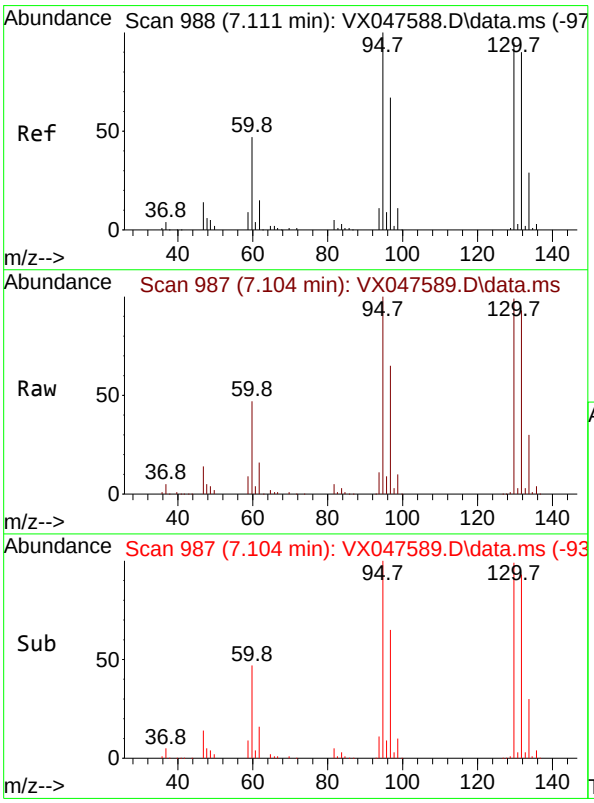
Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.2	22.8
87	12.3	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

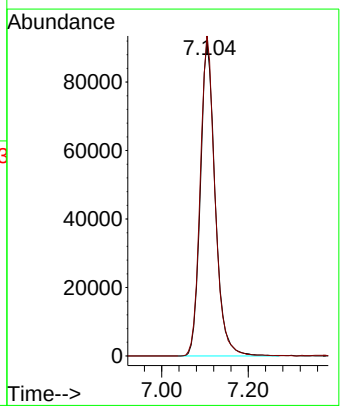
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

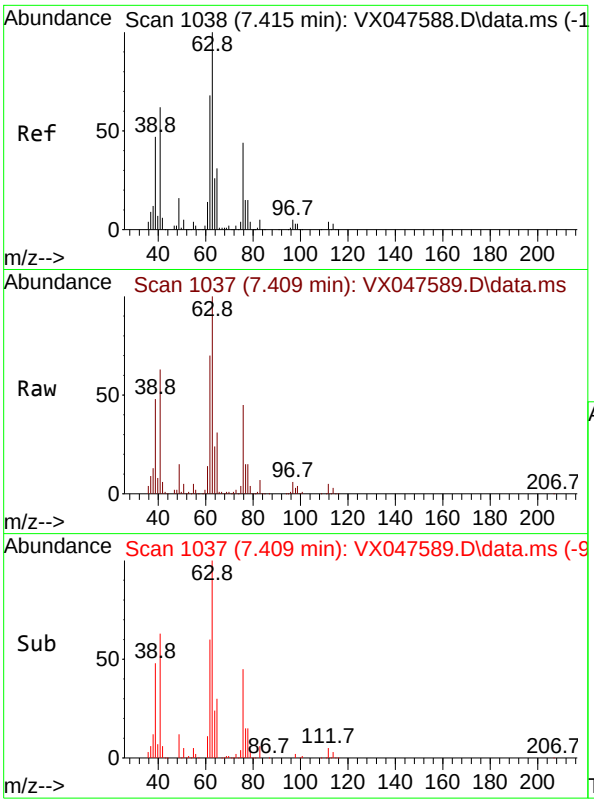


#44
Trichloroethene
Concen: 101.234 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:130 Resp: 217753

Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	210.8

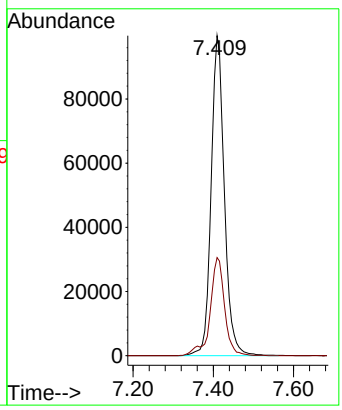




#45
1,2-Dichloropropane
Concen: 100.145 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 63 Resp: 22815

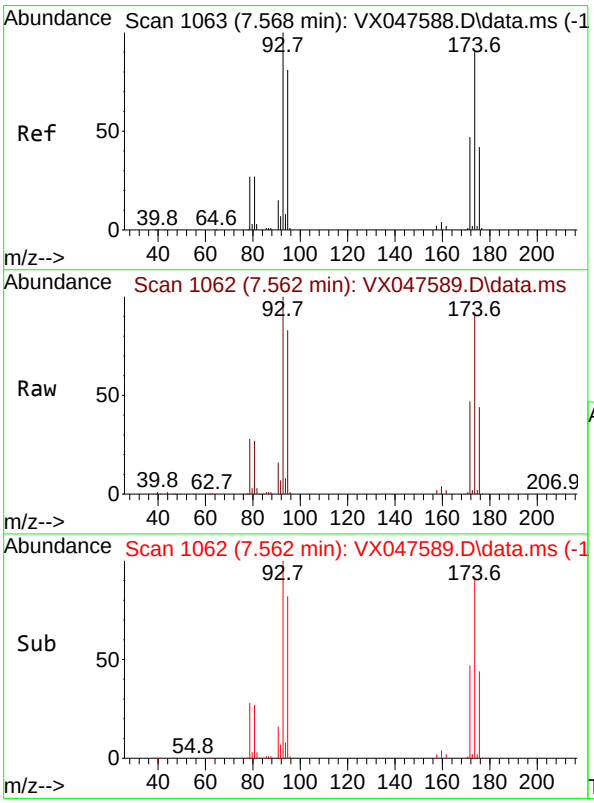
Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

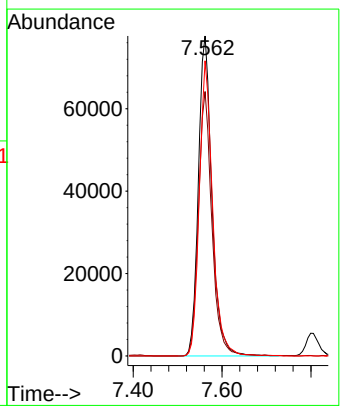
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

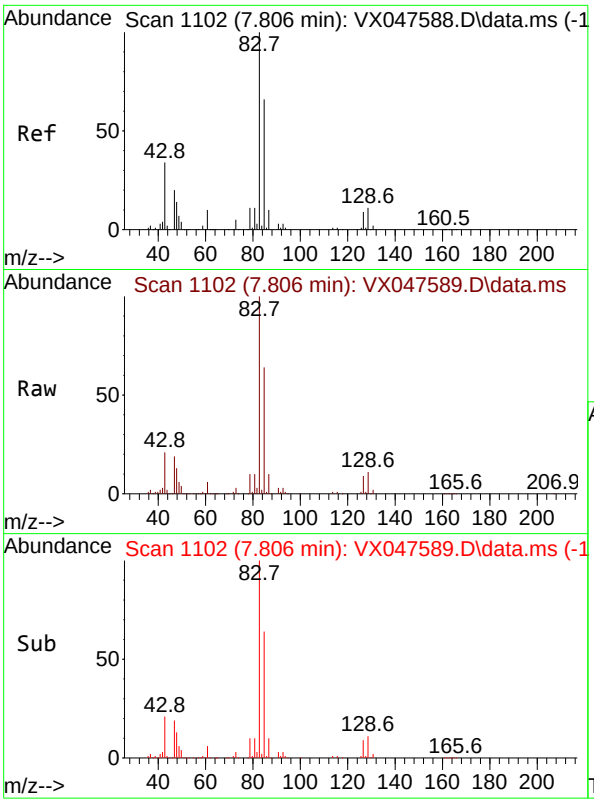


#46
Dibromomethane
Concen: 99.519 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 93 Resp: 164987

Ion	Ratio	Lower	Upper
93	100		
95	82.1	65.0	97.6
174	90.5	71.6	107.4

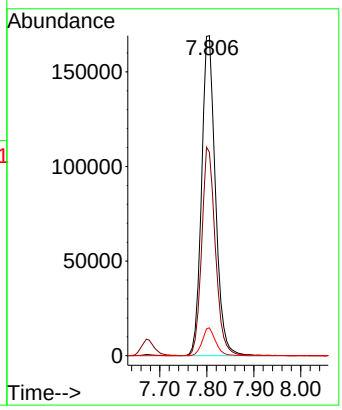




#47
Bromodichloromethane
Concen: 101.136 ug/l
RT: 7.806 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 83 Resp: 34599

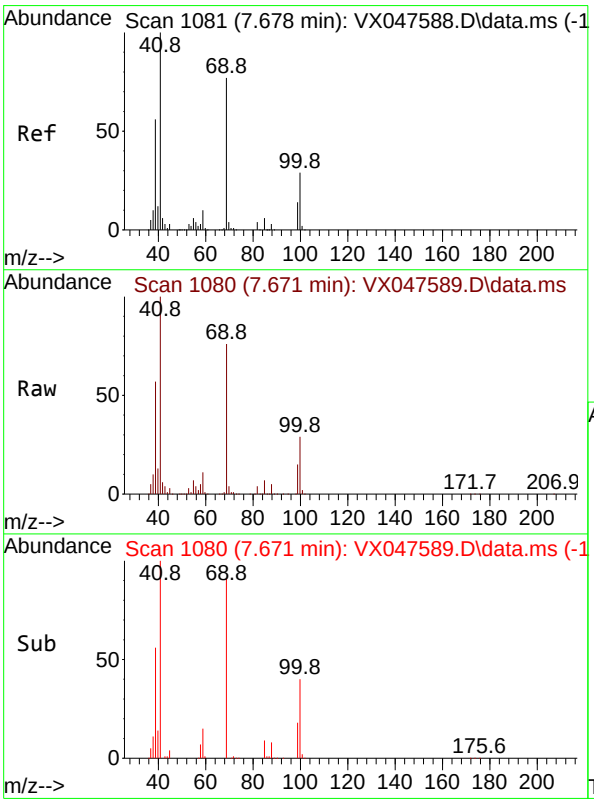
Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.5	78.7
127	8.7	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

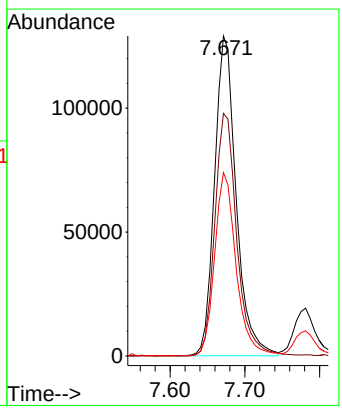
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

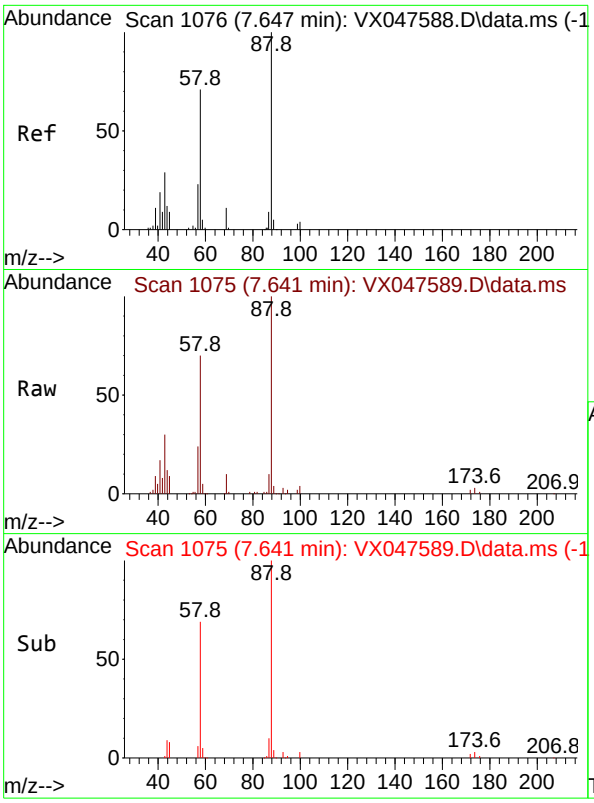


#48
Methyl methacrylate
Concen: 101.612 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 41 Resp: 260358

Ion	Ratio	Lower	Upper
41	100		
69	77.1	61.4	92.2
39	57.0	45.8	68.6





#49
1,4-Dioxane
Concen: 2190.315 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

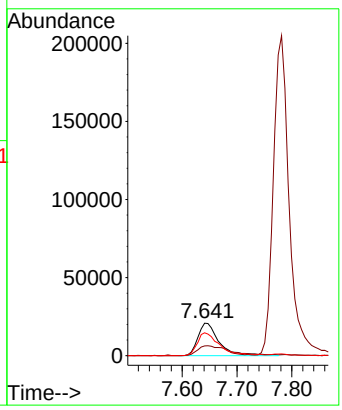
Tgt Ion: 88 Resp: 5671

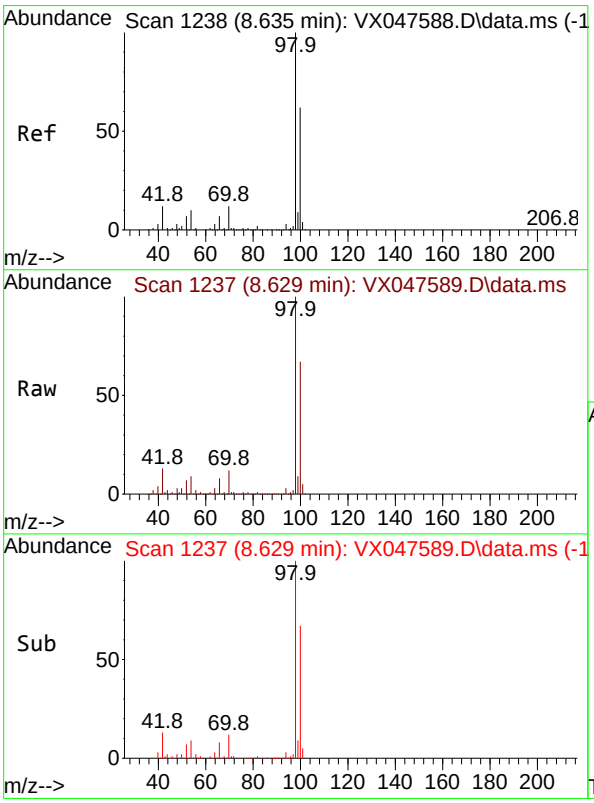
Ion	Ratio	Lower	Upper
88	100		
43	39.4	30.2	45.2
58	74.0	59.5	89.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

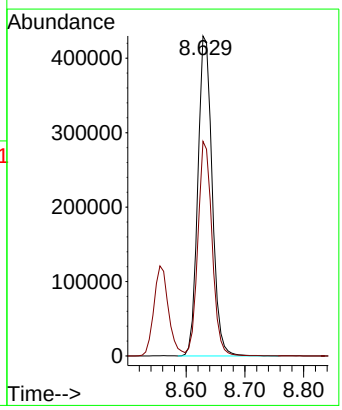


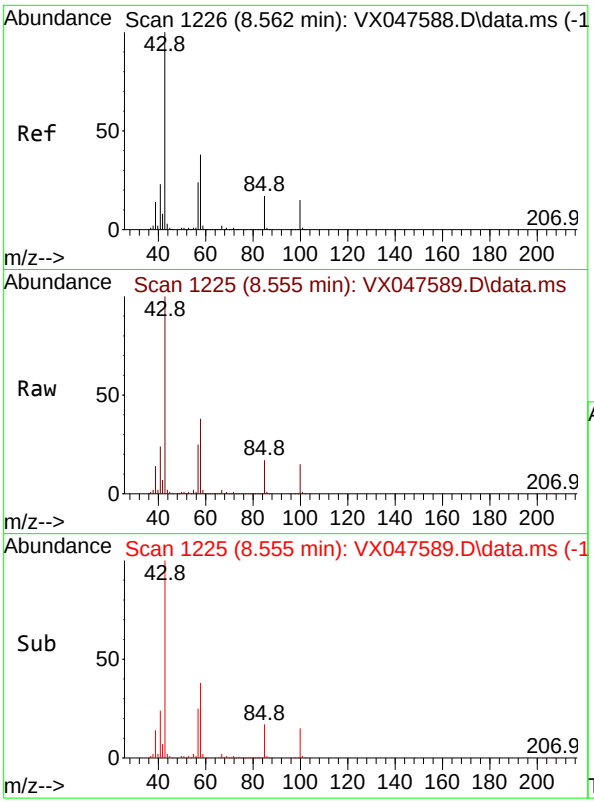


#50
Toluene-d8
Concen: 104.386 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 98 Resp: 724078

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.4

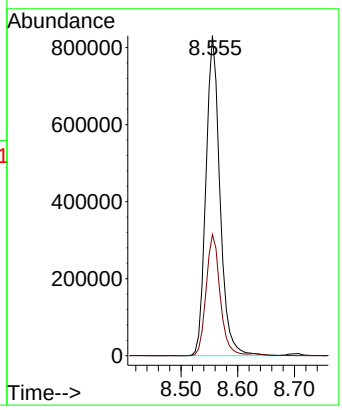




#51
4-Methyl-2-Pentanone
Concen: 501.834 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 143125

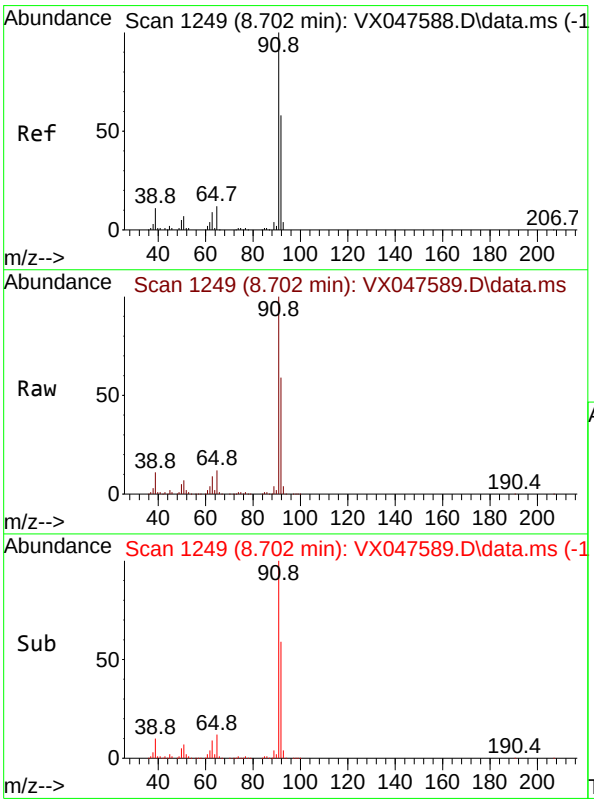
Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

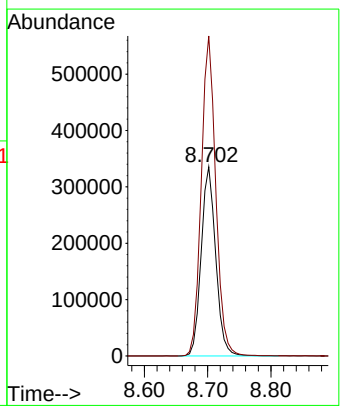
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

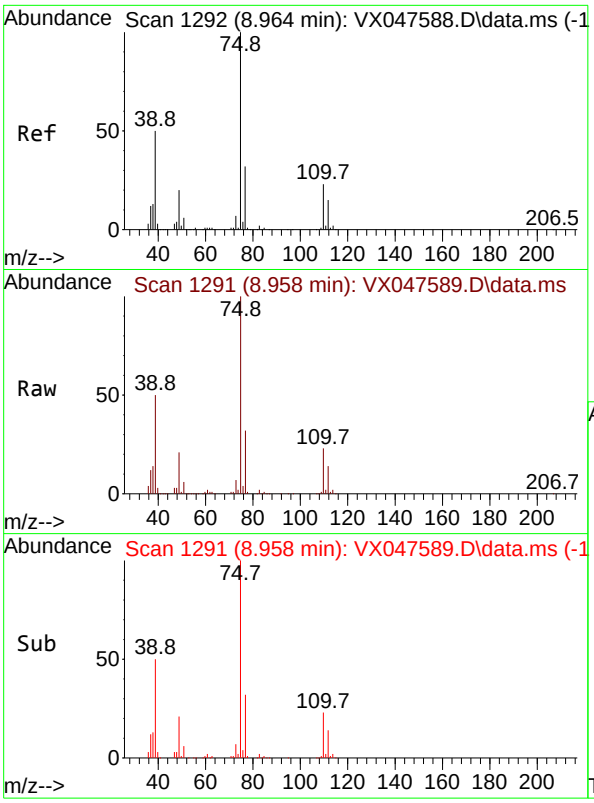


#52
Toluene
Concen: 97.811 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 92 Resp: 536148

Ion	Ratio	Lower	Upper
92	100		
91	169.3	137.1	205.7

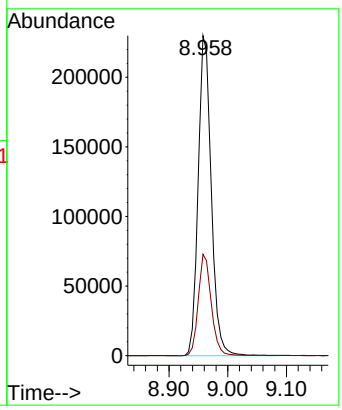




#53
t-1,3-Dichloropropene
Concen: 101.986 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 35588

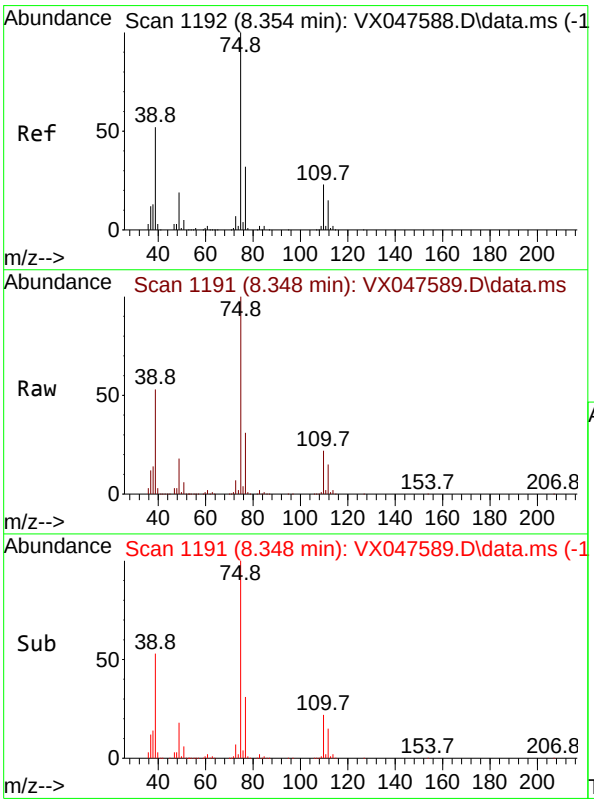
Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

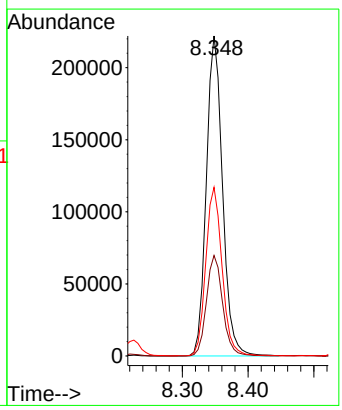
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

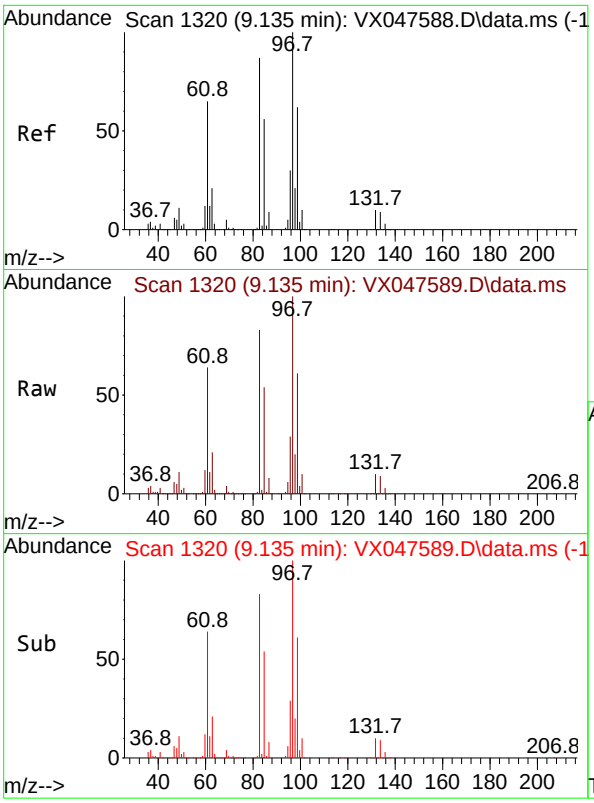


#54
cis-1,3-Dichloropropene
Concen: 102.038 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 380577

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.8	38.6
39	52.3	41.4	62.2

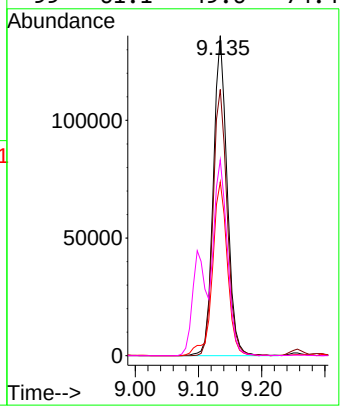




#55
1,1,2-Trichloroethane
Concen: 97.434 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 97 Resp: 20593

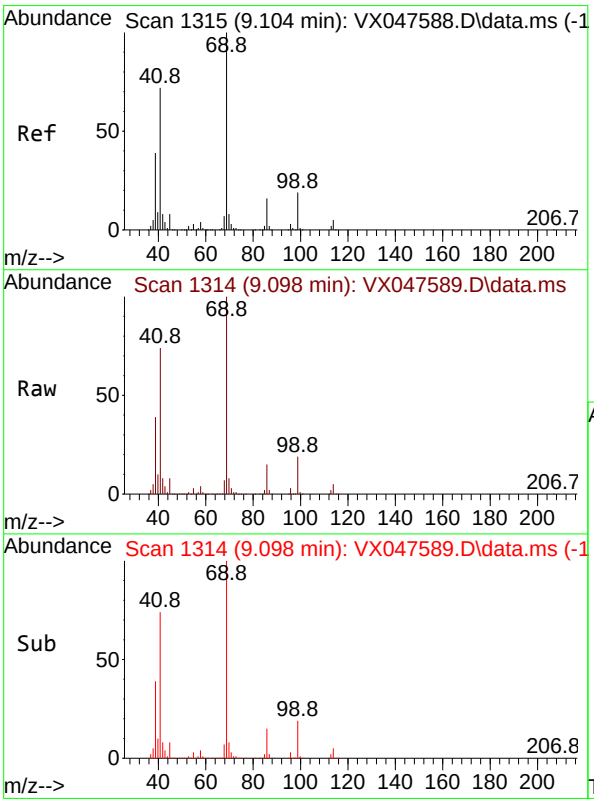
Ion	Ratio	Lower	Upper
97	100		
83	83.2	69.6	104.4
85	54.3	45.0	67.6
99	61.1	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

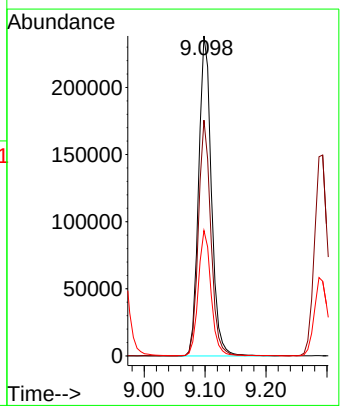
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

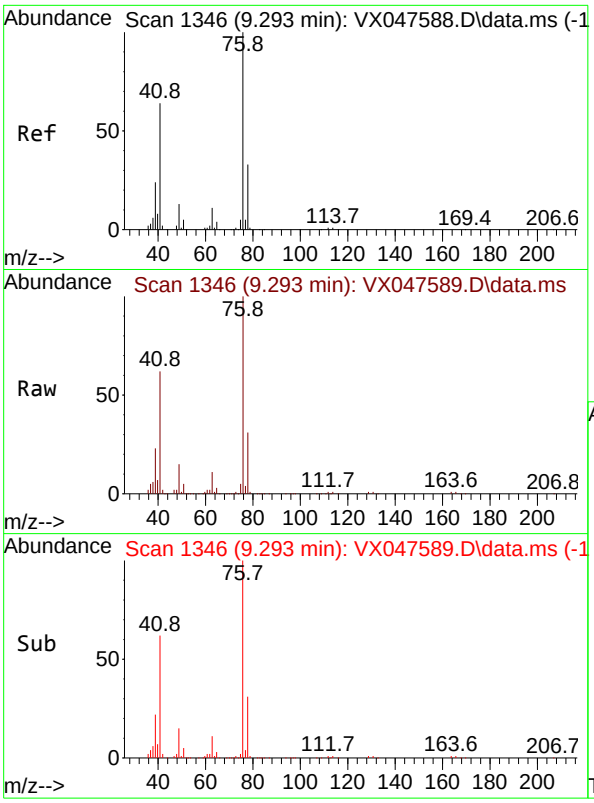


#56
Ethyl methacrylate
Concen: 104.435 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 69 Resp: 346659

Ion	Ratio	Lower	Upper
69	100		
41	71.7	58.6	87.8
39	39.0	31.5	47.3

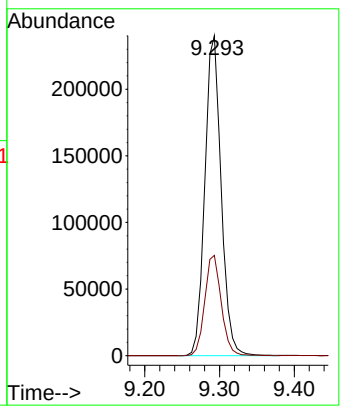




#57
1,3-Dichloropropane
Concen: 99.935 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 76 Resp: 36284

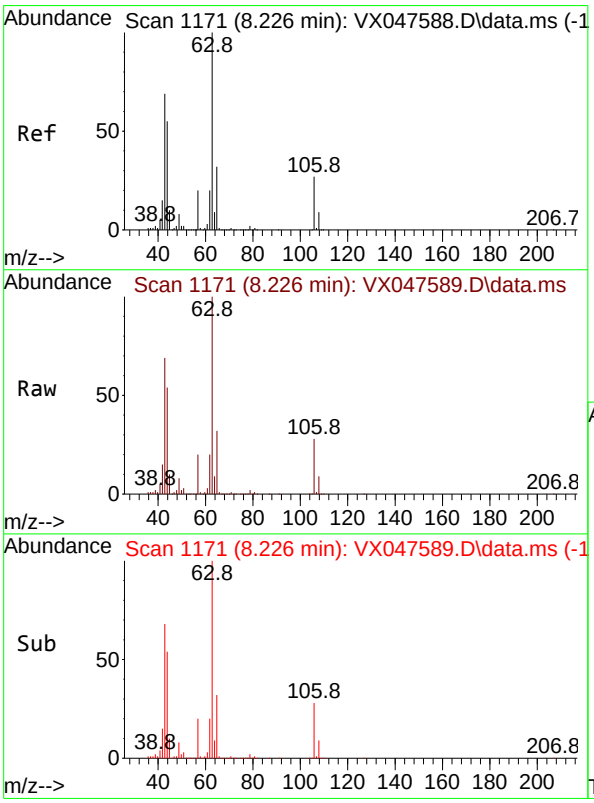
Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

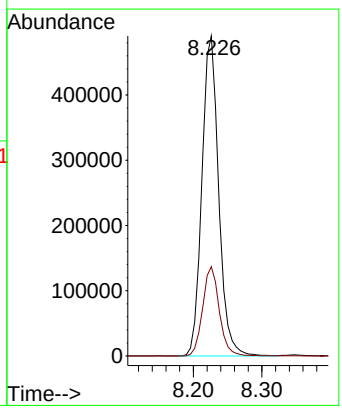
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

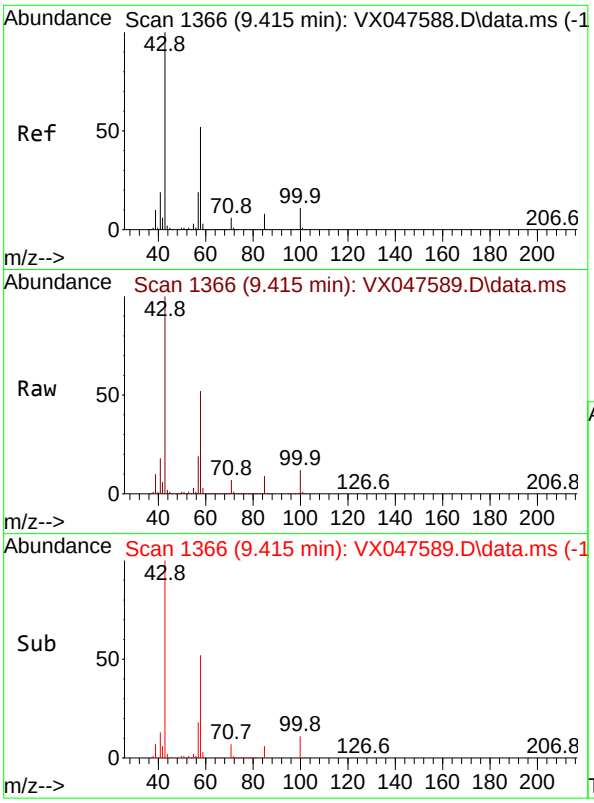


#58
2-Chloroethyl Vinyl ether
Concen: 499.814 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 63 Resp: 836362

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.9	32.9





#59
2-Hexanone
Concen: 486.380 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

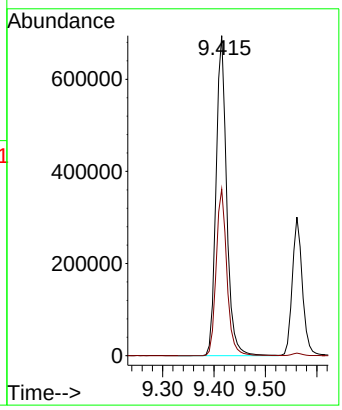
Tgt Ion: 43 Resp: 99627

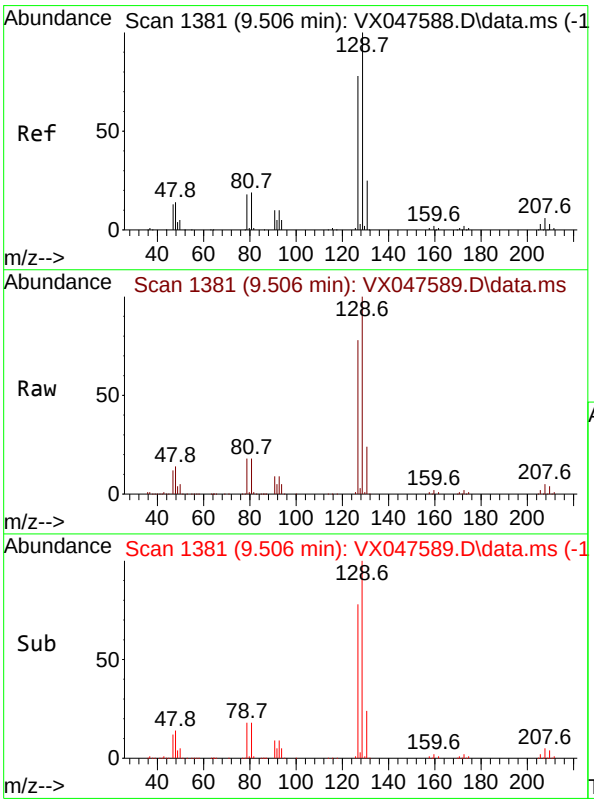
Ion	Ratio	Lower	Upper
43	100		
58	52.4	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

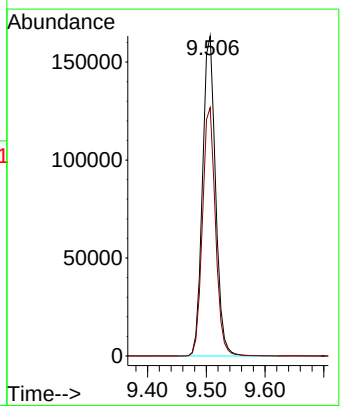


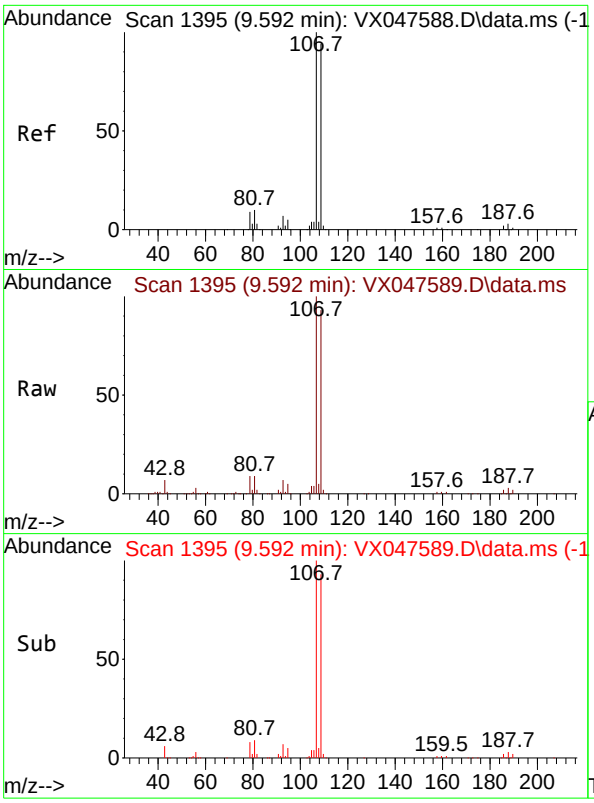


#60
Dibromochloromethane
Concen: 103.226 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:129 Resp: 251394

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.4	115.2

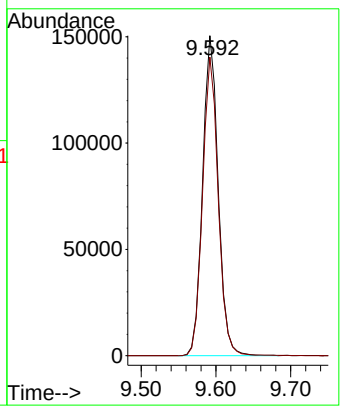




#61
1,2-Dibromoethane
Concen: 101.147 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:107 Resp: 21775

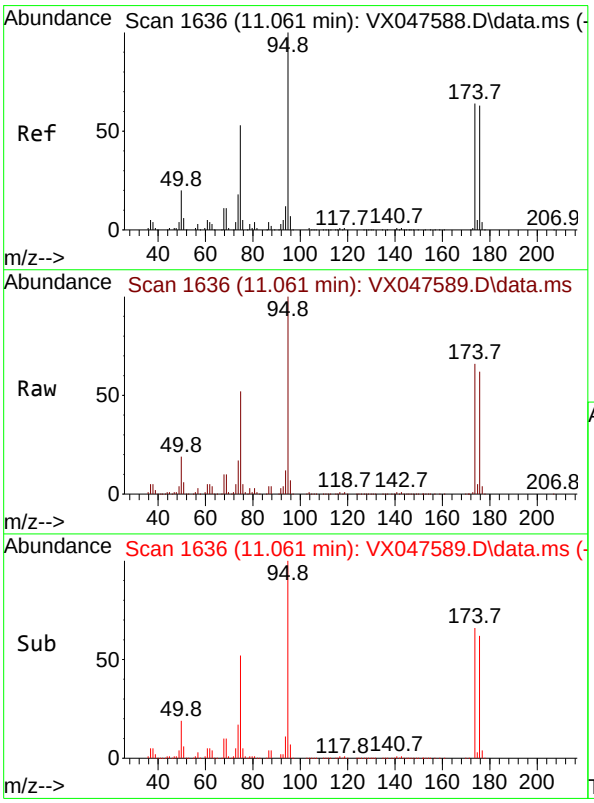
Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

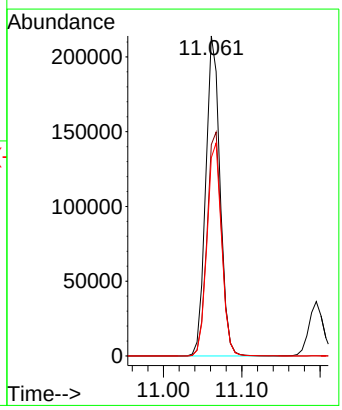
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

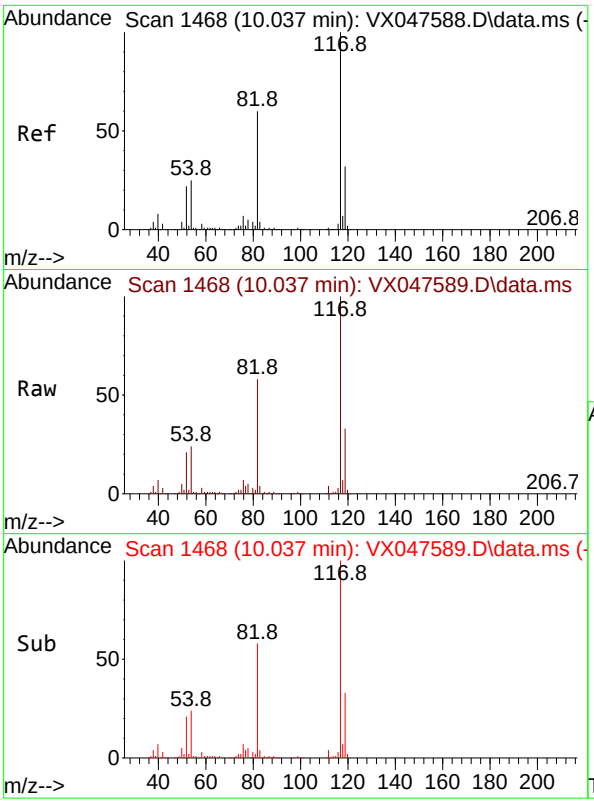


#62
4-Bromofluorobenzene
Concen: 102.672 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 95 Resp: 270289

Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	141.6
176	68.0	0.0	138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

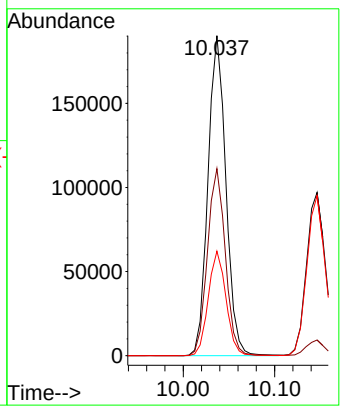
Tgt Ion:117 Resp: 25839

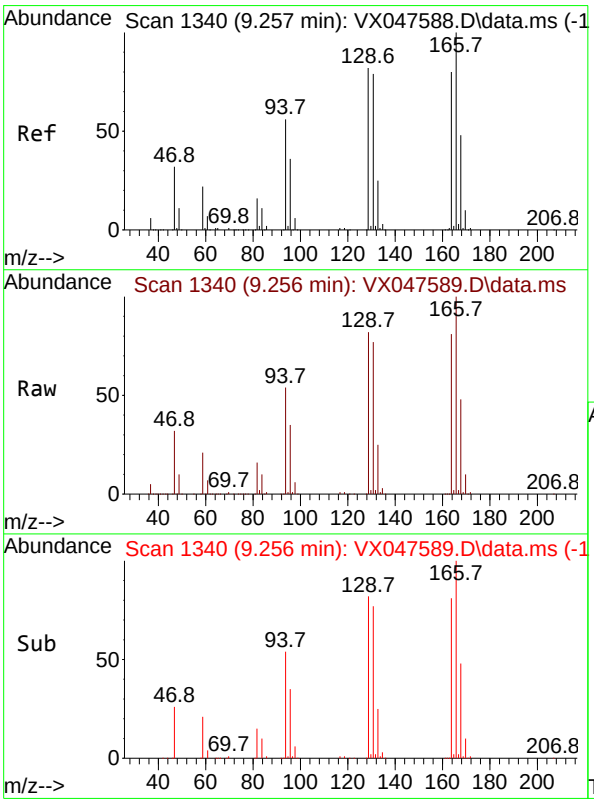
Ion	Ratio	Lower	Upper
117	100		
82	58.4	47.8	71.6
119	32.7	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

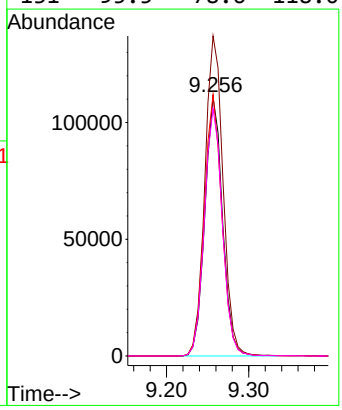


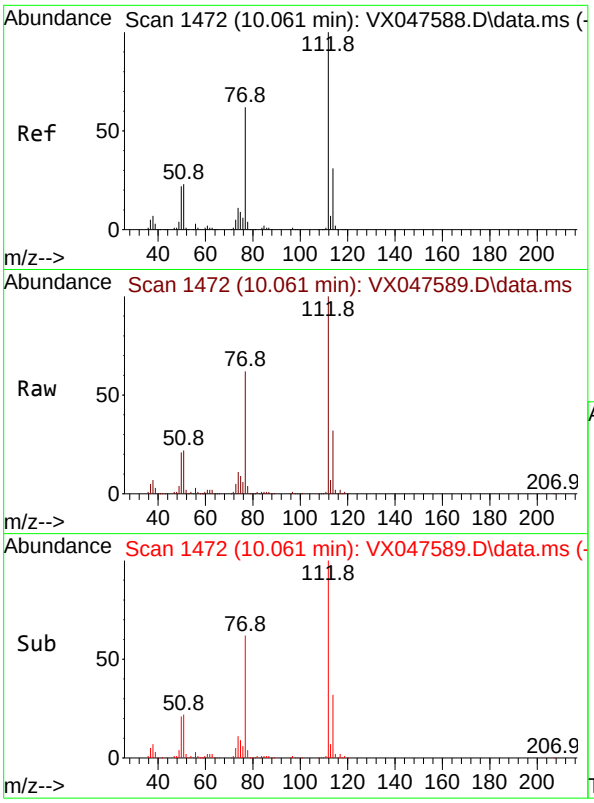


#64
Tetrachloroethene
Concen: 98.284 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:164 Resp: 165559

Ion	Ratio	Lower	Upper
164	100		
166	123.6	100.2	150.2
129	100.9	81.8	122.6
131	95.5	78.6	118.0





#65
Chlorobenzene
Concen: 100.253 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

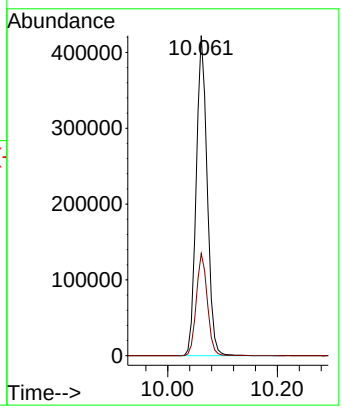
Tgt Ion:112 Resp: 58851

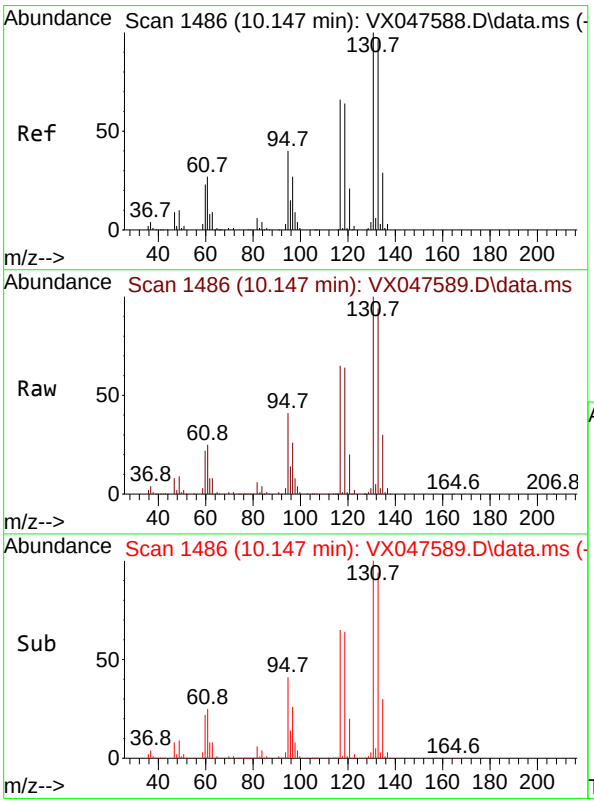
Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.1	37.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

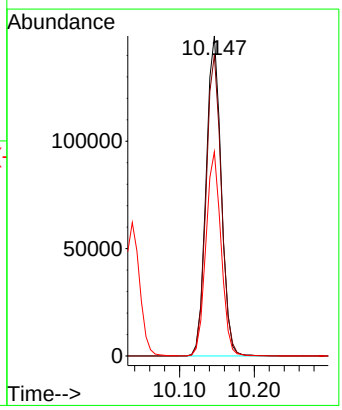


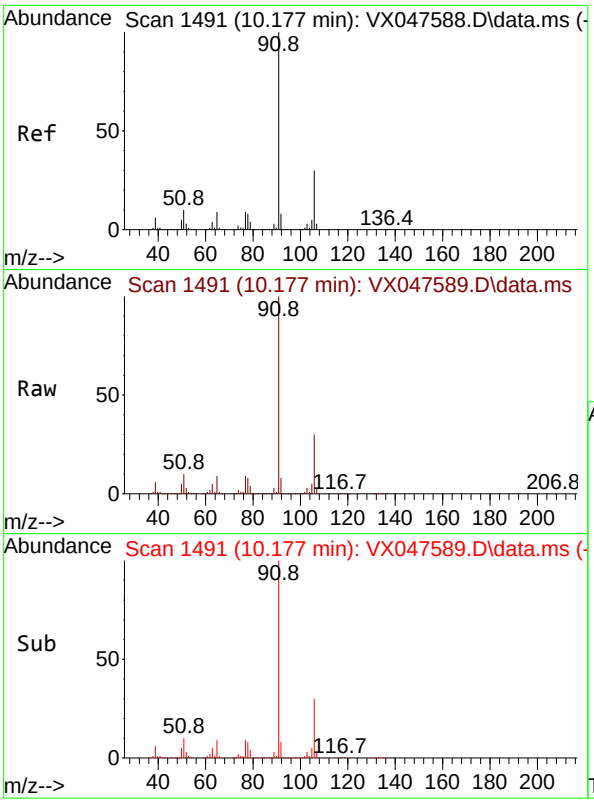


#66
1,1,1,2-Tetrachloroethane
Concen: 102.988 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:131 Resp: 208621

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.3	142.0
119	64.2	32.0	96.0





#67
Ethyl Benzene
Concen: 101.823 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

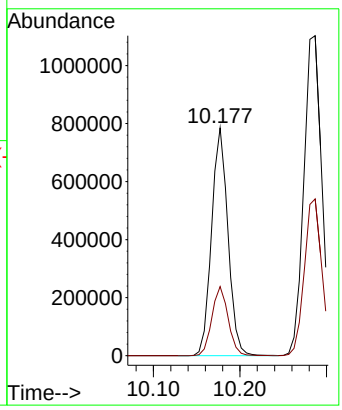
Tgt Ion: 91 Resp: 103134

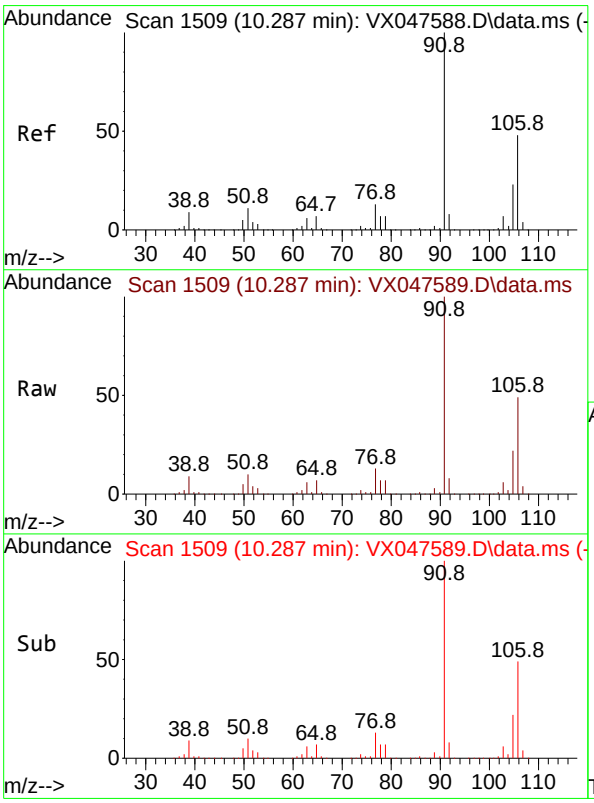
Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.3	36.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

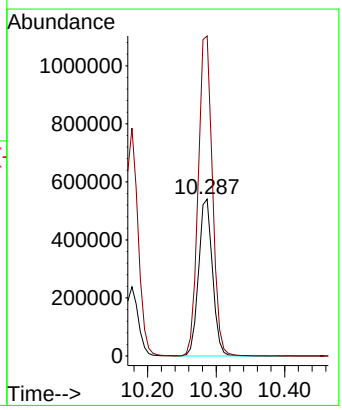


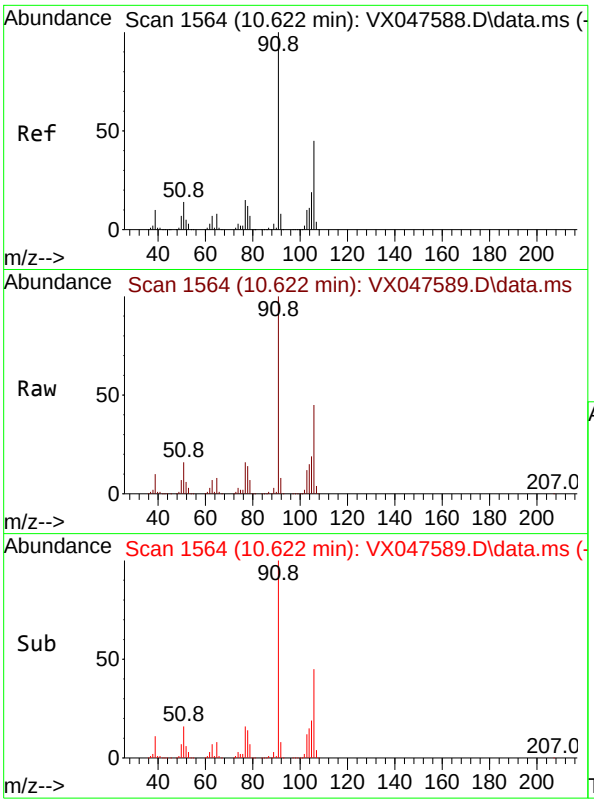


#68
m/p-Xylenes
Concen: 202.624 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:106 Resp: 763898

Ion	Ratio	Lower	Upper
106	100		
91	208.5	167.8	251.8





#69
o-Xylene
Concen: 102.186 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

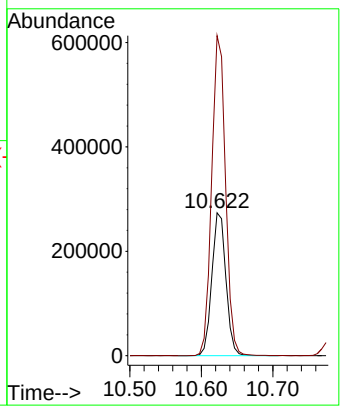
Tgt Ion:106 Resp: 37262

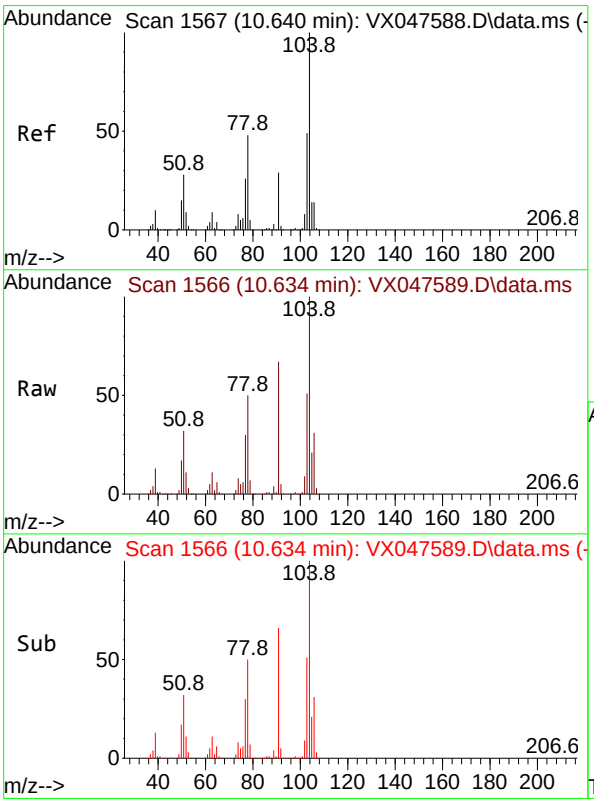
Ion	Ratio	Lower	Upper
106	100		
91	221.3	111.1	333.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

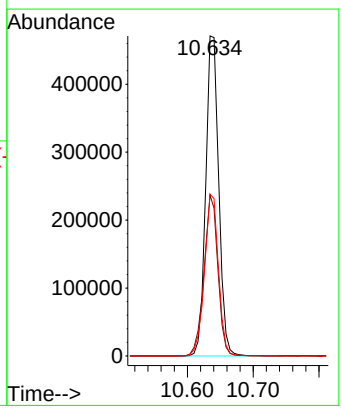


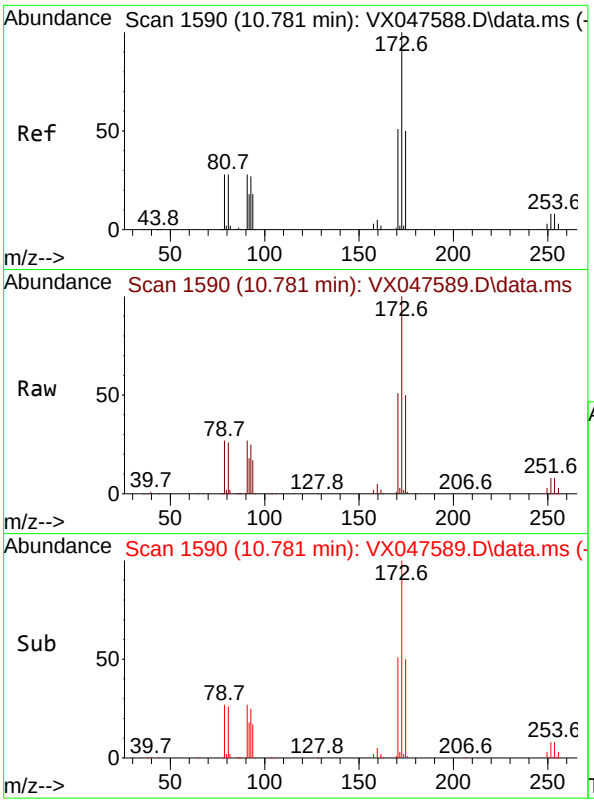


#70
Styrene
Concen: 101.710 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:104 Resp: 649863

Ion	Ratio	Lower	Upper
104	100		
78	53.5	43.1	64.7
103	54.1	43.1	64.7

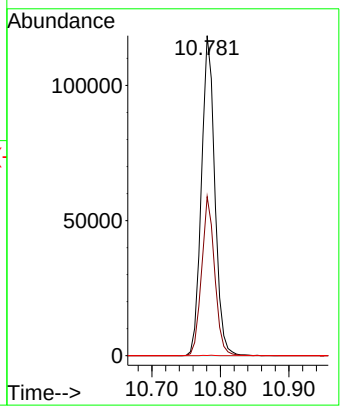




#71
Bromoform
Concen: 106.566 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:173 Resp: 16118

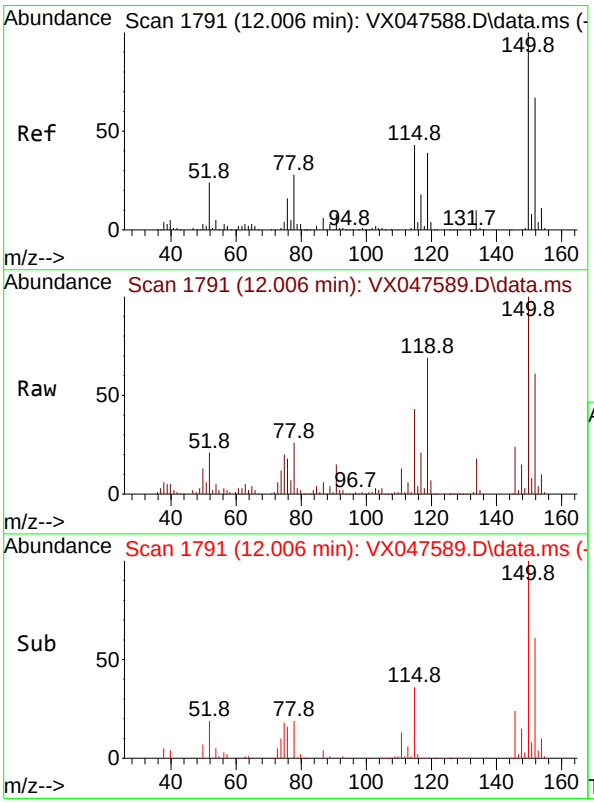
Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.9	74.6
254	0.1	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

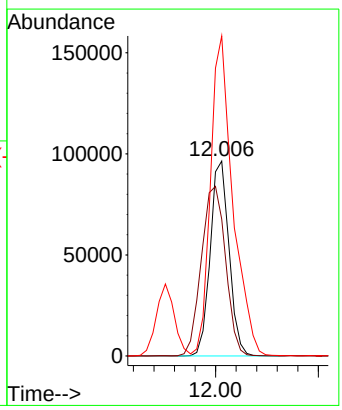
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

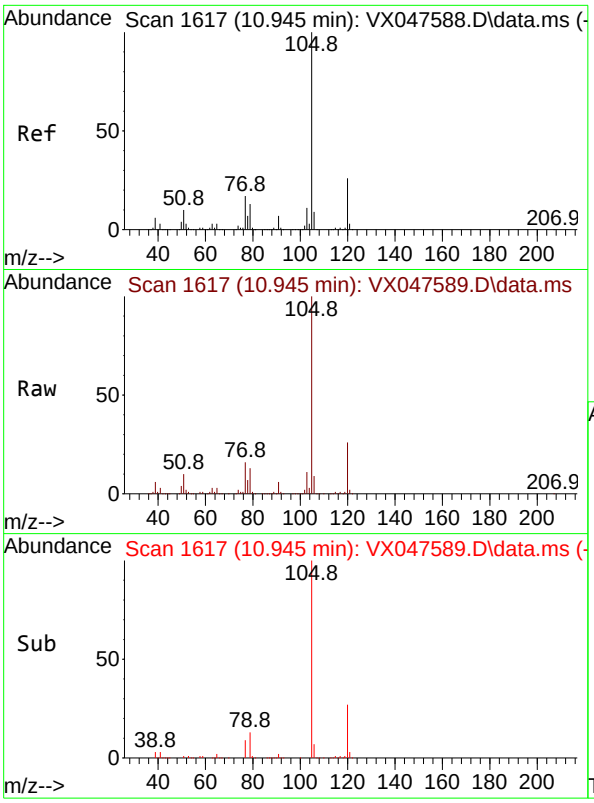


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:152 Resp: 122218

Ion	Ratio	Lower	Upper
152	100		
115	112.6	44.9	134.5
150	195.0	0.0	352.0

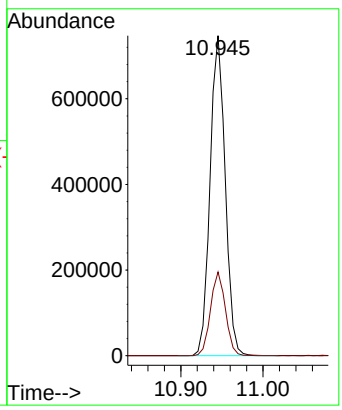




#73
Isopropylbenzene
Concen: 102.768 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:105 Resp: 95490

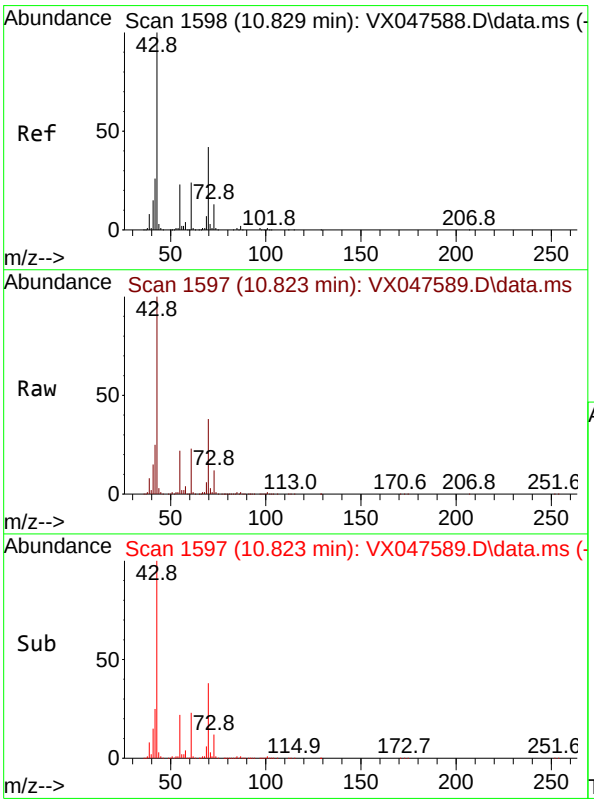
Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

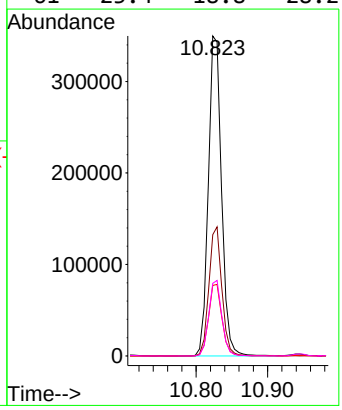
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

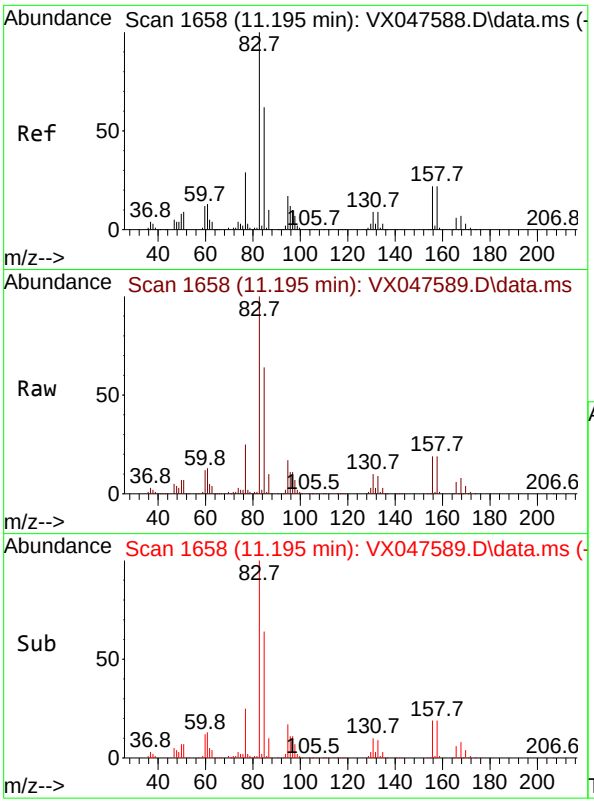


#74
N-amyl acetate
Concen: 105.812 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 448344

Ion	Ratio	Lower	Upper
43	100		
70	39.6	32.0	48.0
55	22.8	18.9	28.3
61	23.4	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 100.172 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

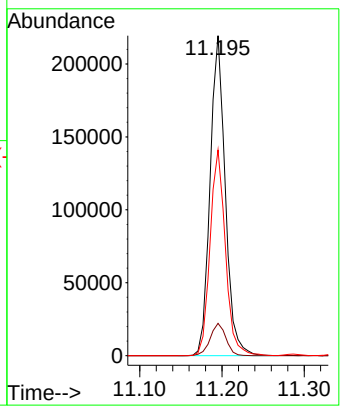
Tgt Ion: 83 Resp: 28160

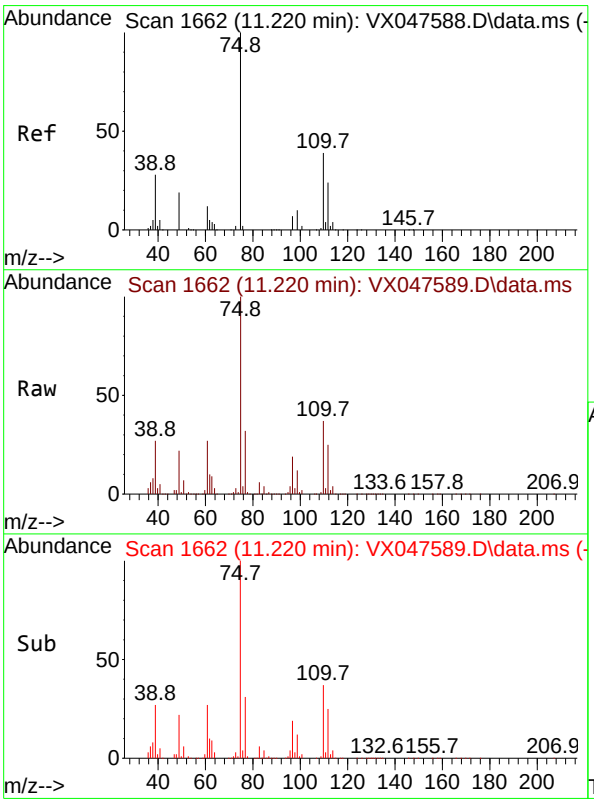
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.0	14.9
85	65.1	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

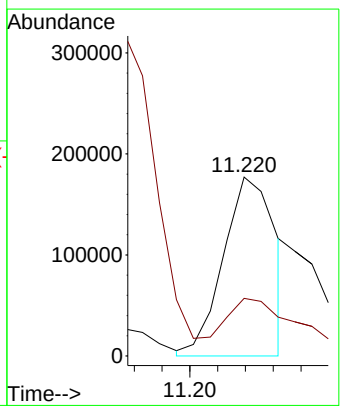


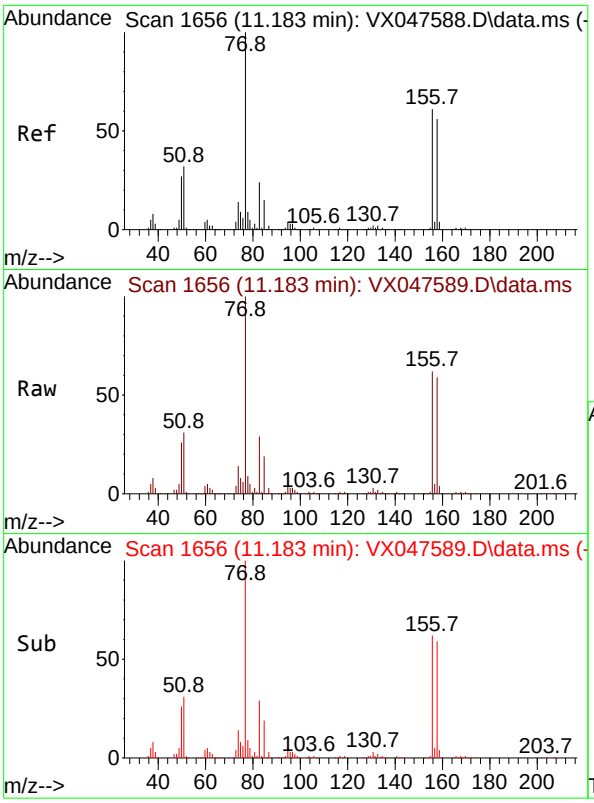


#76
1,2,3-Trichloropropane
Concen: 90.444 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 229521

Ion	Ratio	Lower	Upper
75	100		
77	43.9	18.8	56.4





#77
Bromobenzene
Concen: 102.541 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

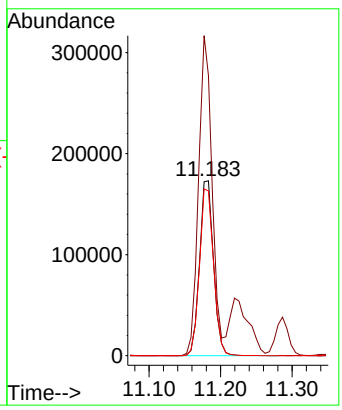
Tgt Ion:156 Resp: 23466

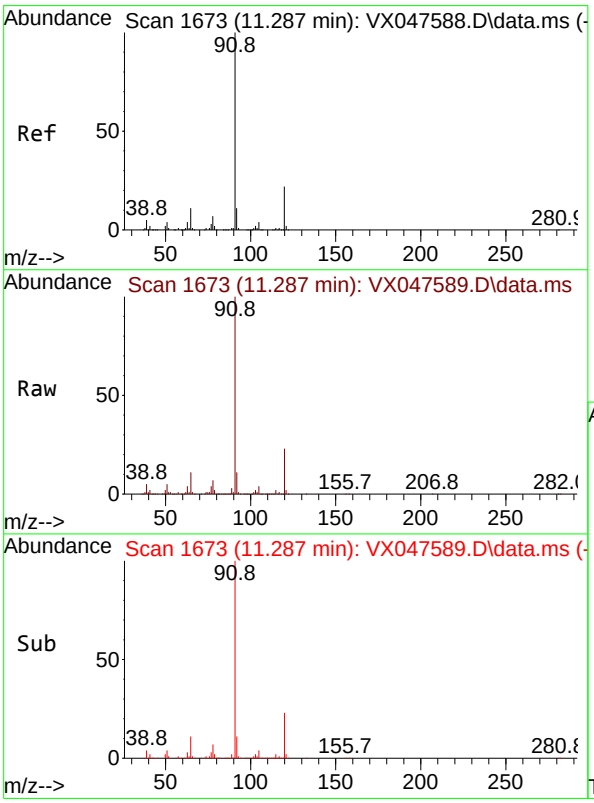
Ion	Ratio	Lower	Upper
156	100		
77	176.0	89.7	269.1
158	96.5	47.9	143.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

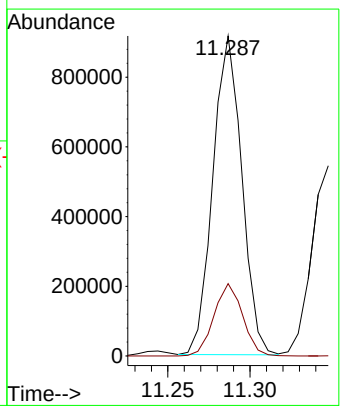


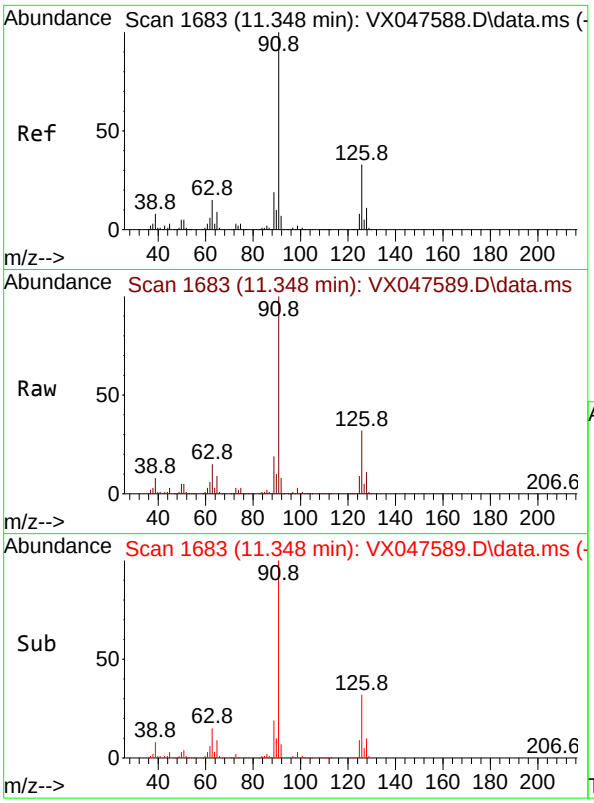


#78
n-propylbenzene
Concen: 101.941 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 1119728

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1

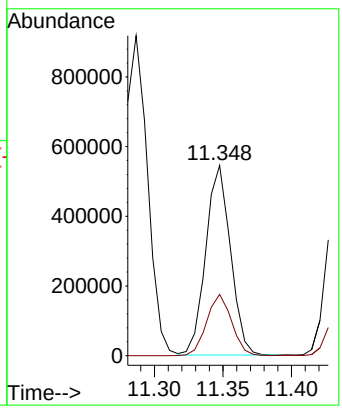




#79
2-Chlorotoluene
Concen: 101.652 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 68386

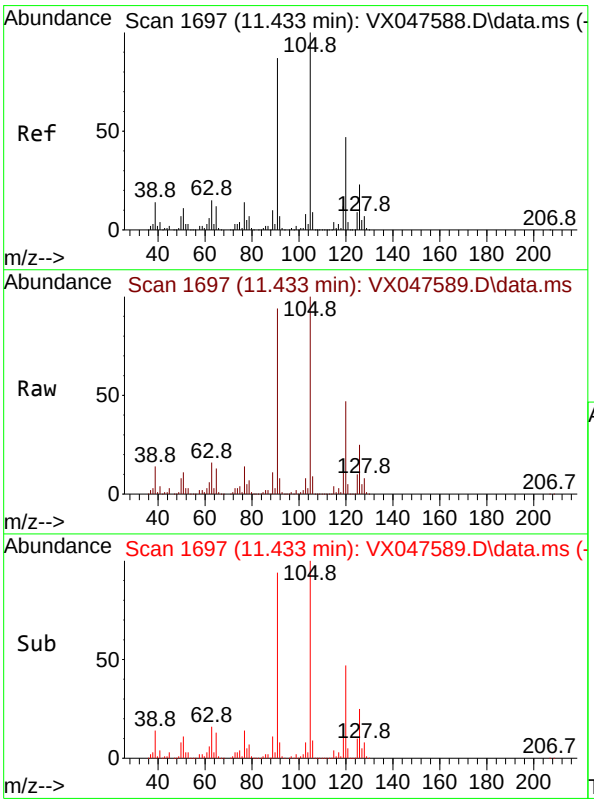
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

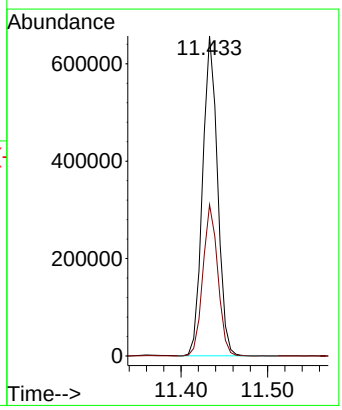
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

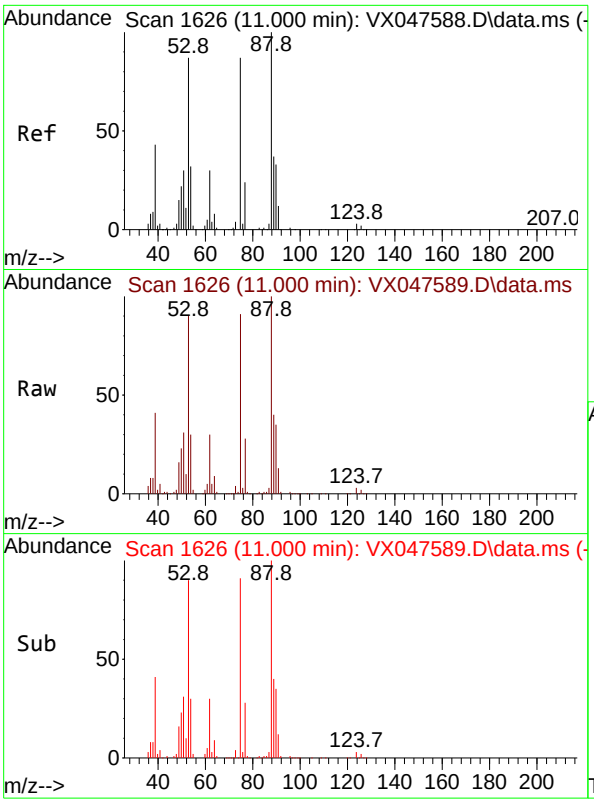


#80
1,3,5-Trimethylbenzene
Concen: 103.134 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:105 Resp: 787327

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 105.689 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

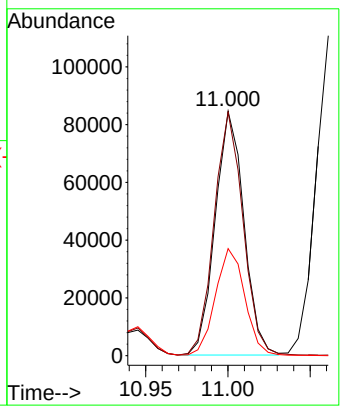
Tgt Ion: 75 Resp: 10255

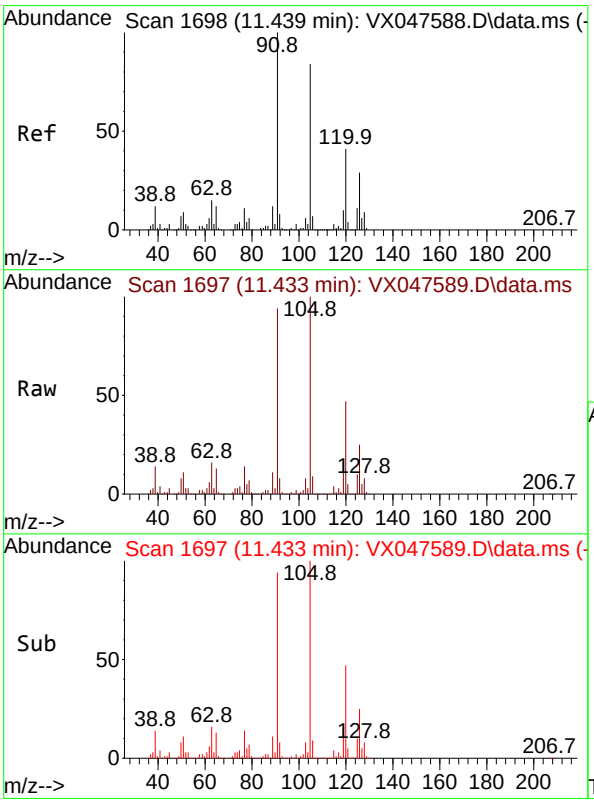
Ion	Ratio	Lower	Upper
75	100		
53	101.1	83.4	125.2
89	45.3	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

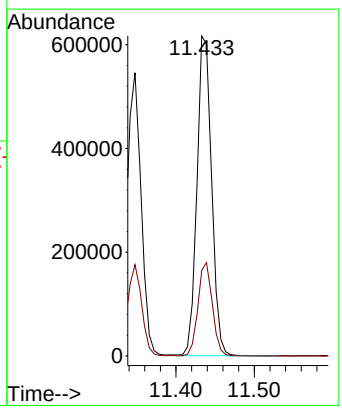


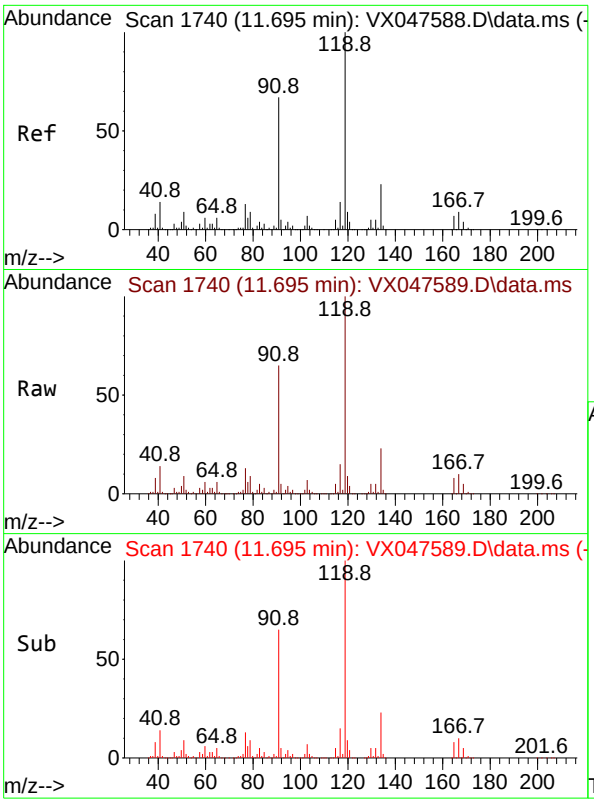


#82
4-Chlorotoluene
Concen: 101.054 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 802929

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6

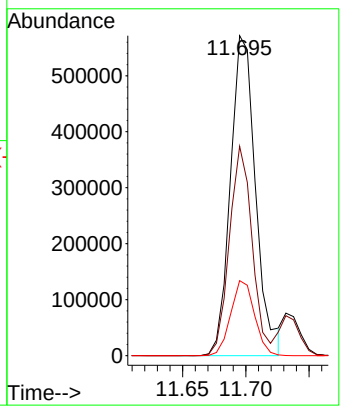




#83
tert-Butylbenzene
Concen: 101.333 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:119 Resp: 79189

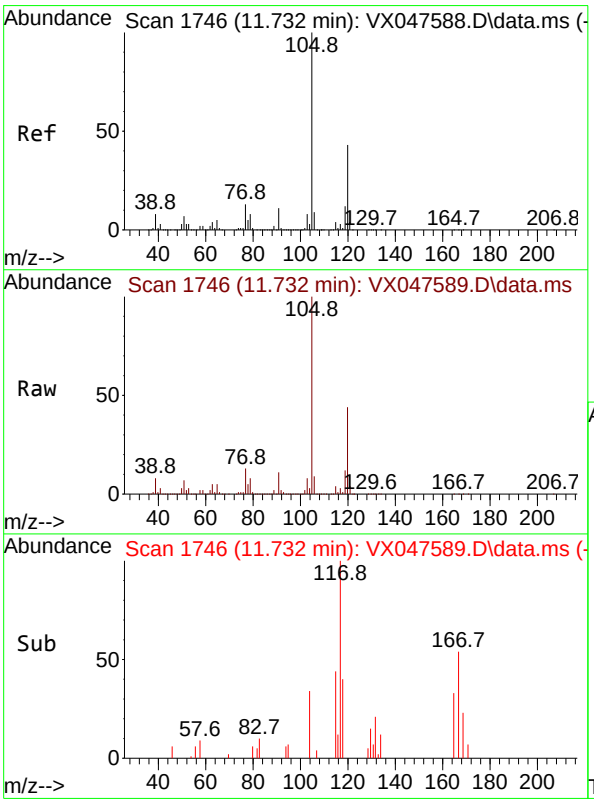
Ion	Ratio	Lower	Upper
119	100		
91	59.3	29.6	88.8
134	22.3	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

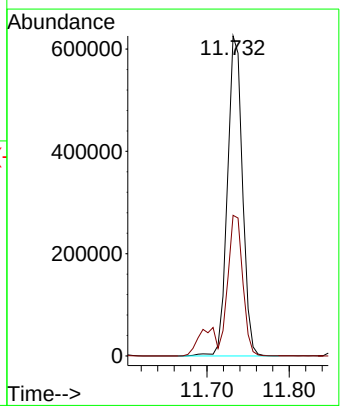
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

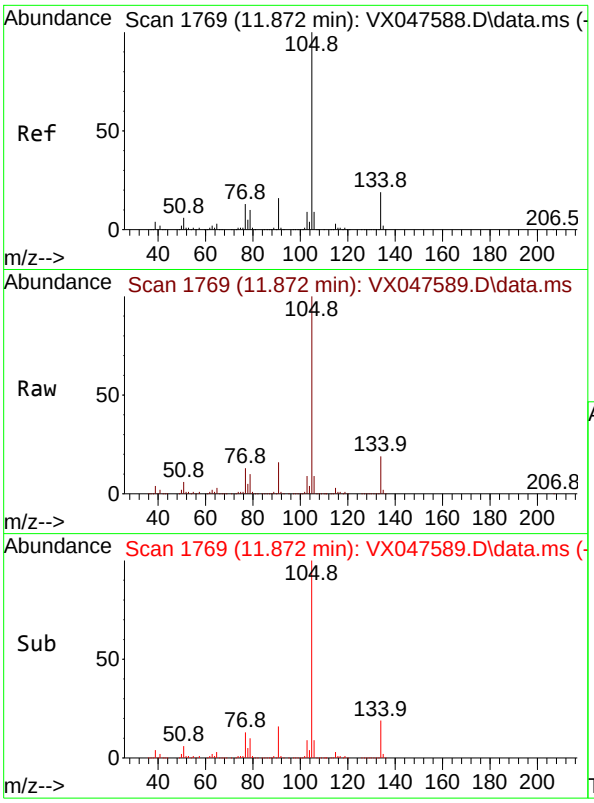


#84
1,2,4-Trimethylbenzene
Concen: 102.144 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:105 Resp: 790557

Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.1	66.1

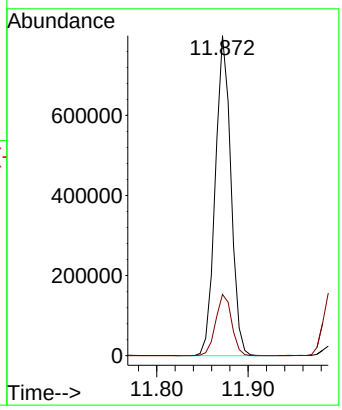




#85
sec-Butylbenzene
Concen: 101.840 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:105 Resp: 94532

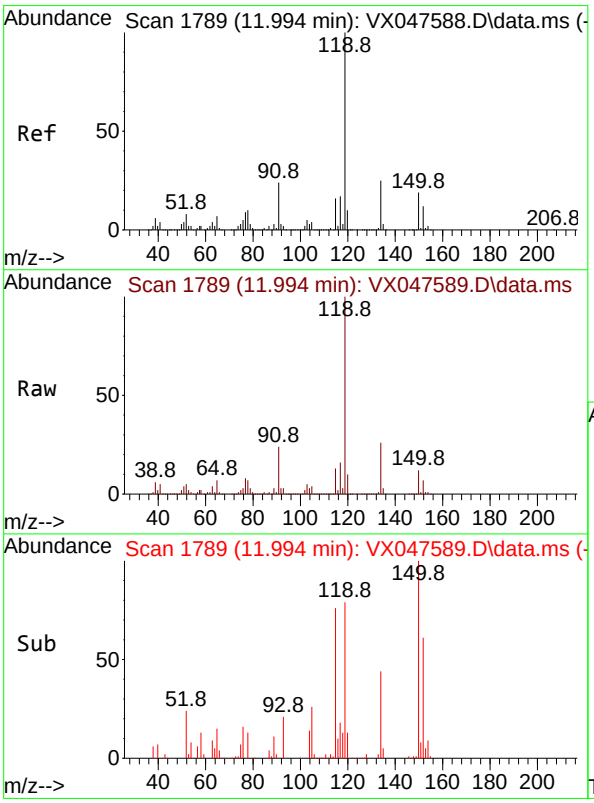
Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

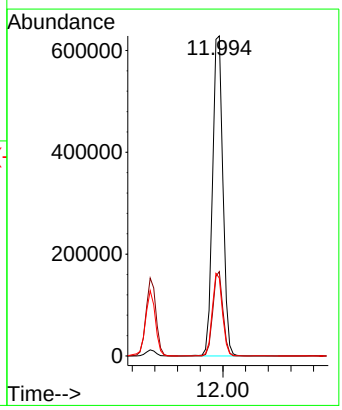
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

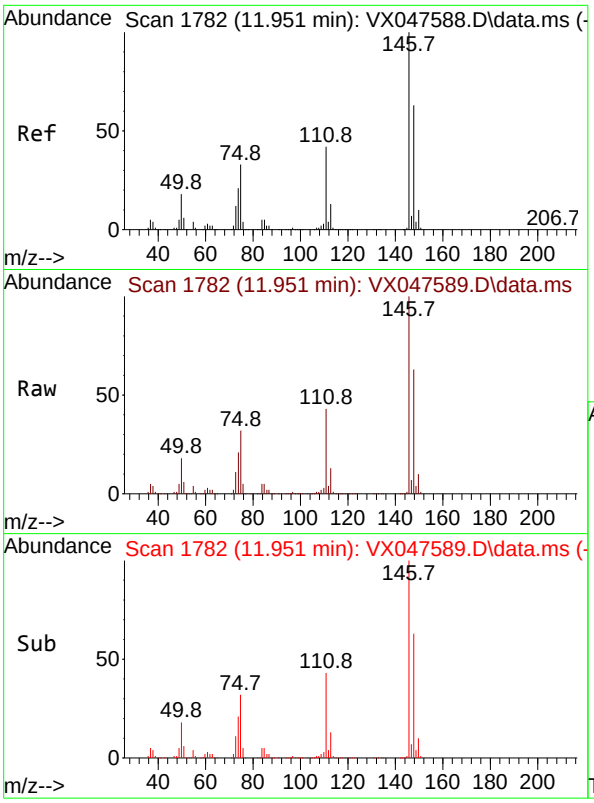


#86
p-Isopropyltoluene
Concen: 101.501 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:119 Resp: 797643

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.6	37.8
91	25.2	12.6	37.6

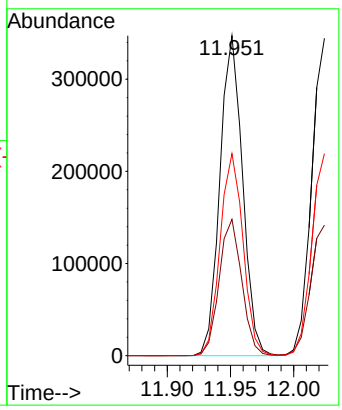




#87
1,3-Dichlorobenzene
Concen: 101.689 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:146 Resp: 43224

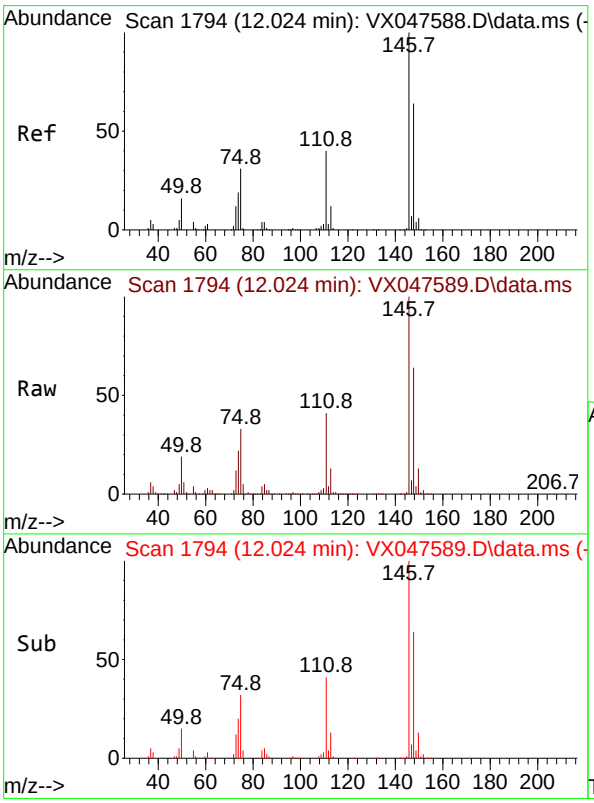
Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.5	64.5
148	63.9	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

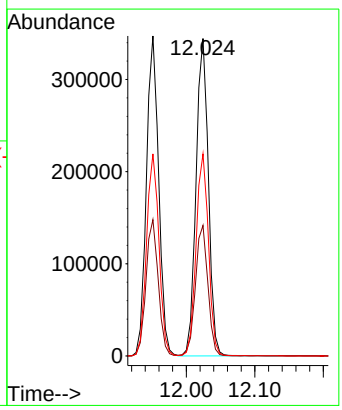
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

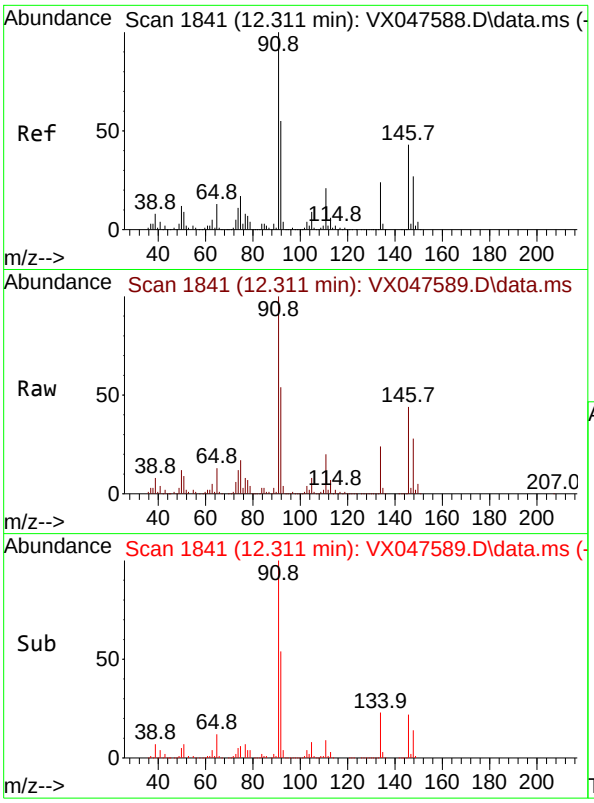


#88
1,4-Dichlorobenzene
Concen: 98.985 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:146 Resp: 431839

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.4
148	63.8	31.7	95.1





#89
n-Butylbenzene
Concen: 104.138 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

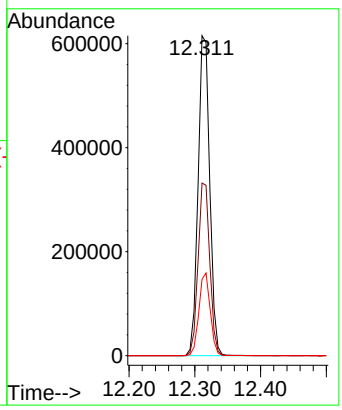
Tgt Ion: 91 Resp: 75723

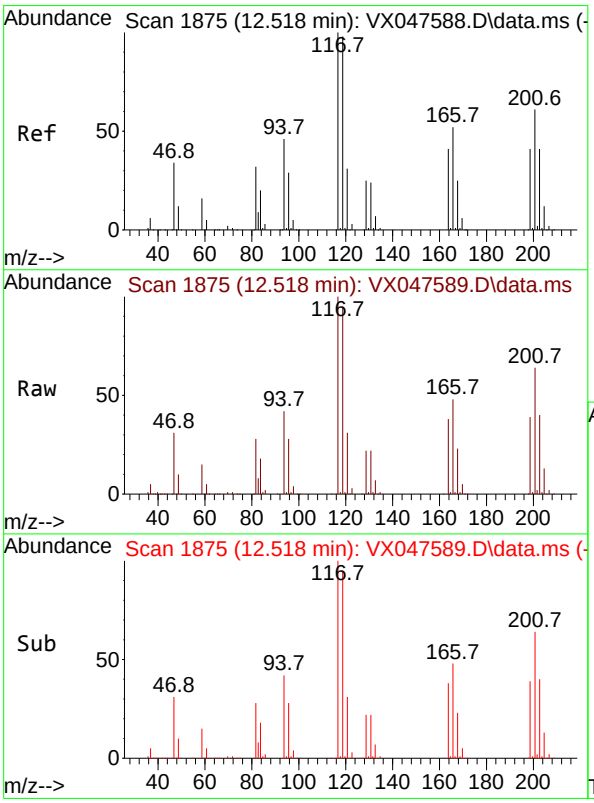
Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.6	82.7
134	25.1	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

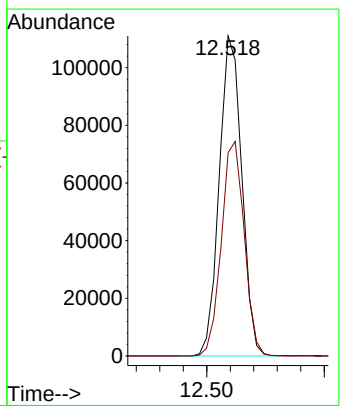


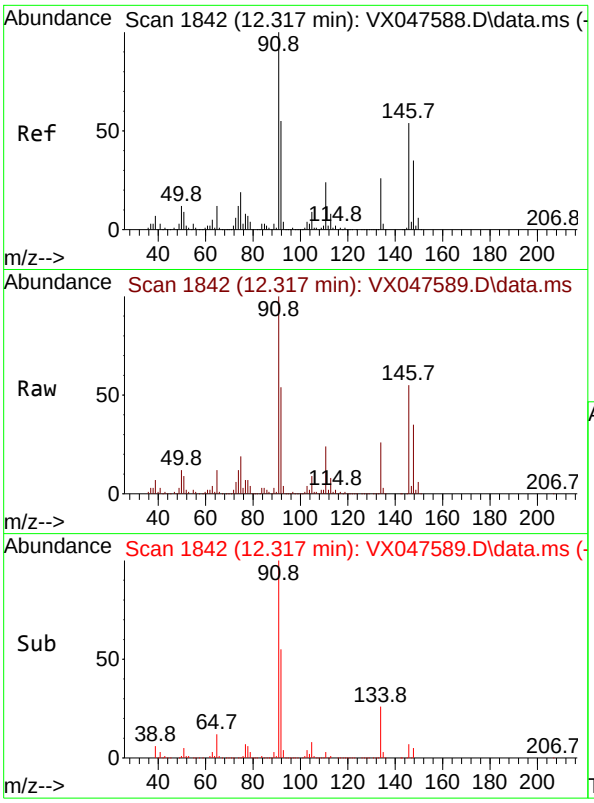


#90
Hexachloroethane
Concen: 107.304 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:117 Resp: 148048

Ion	Ratio	Lower	Upper
117	100		
201	68.1	34.2	102.5

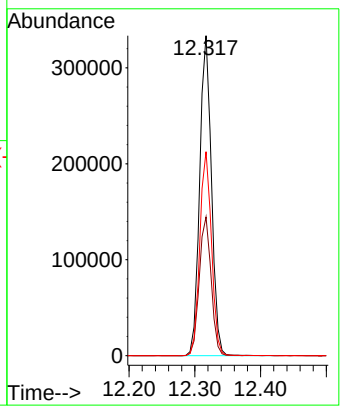




#91
1,2-Dichlorobenzene
Concen: 102.352 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:146 Resp: 41449

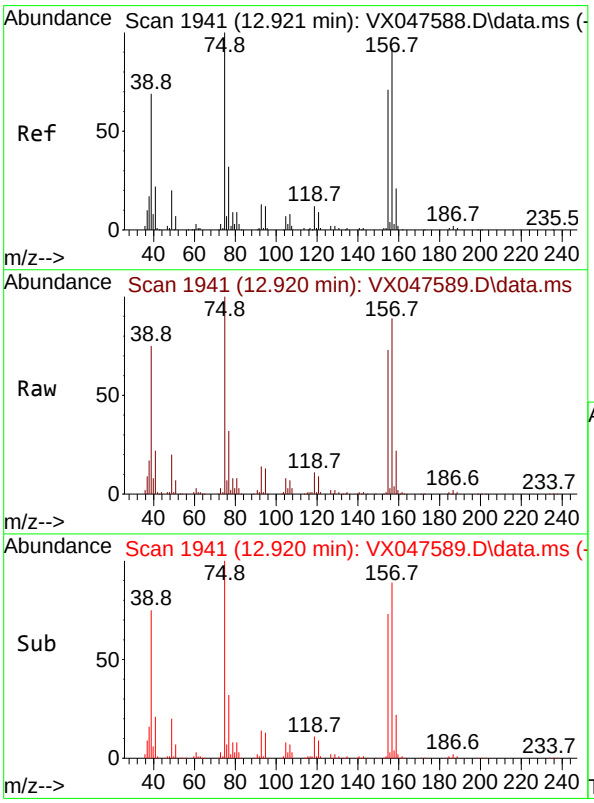
Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.2	66.6
148	63.4	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

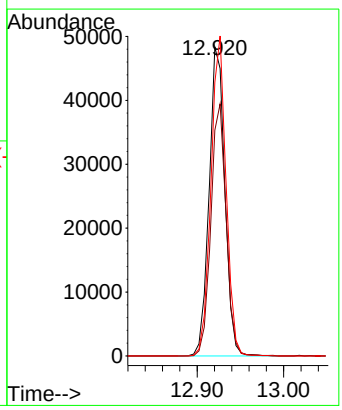
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

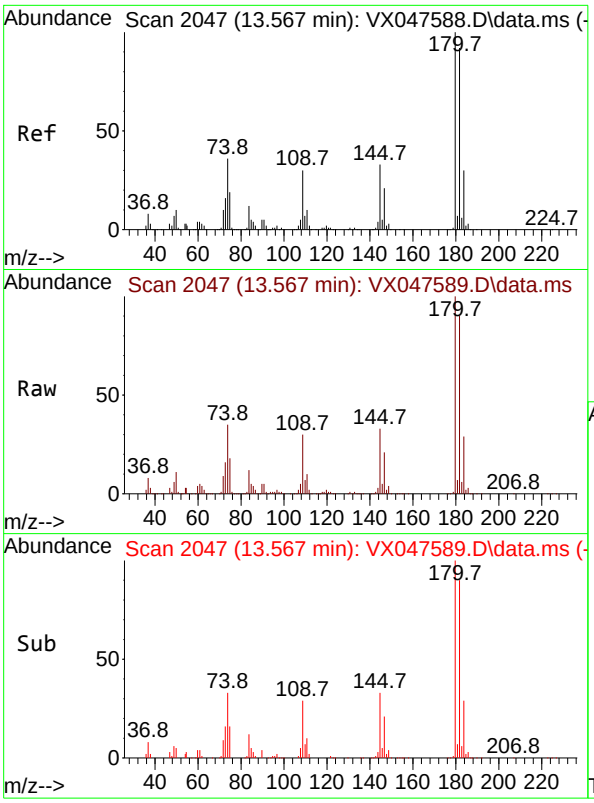


#92
1,2-Dibromo-3-Chloropropane
Concen: 107.225 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 61029

Ion	Ratio	Lower	Upper
75	100		
155	79.0	37.7	113.1
157	99.2	49.8	149.4

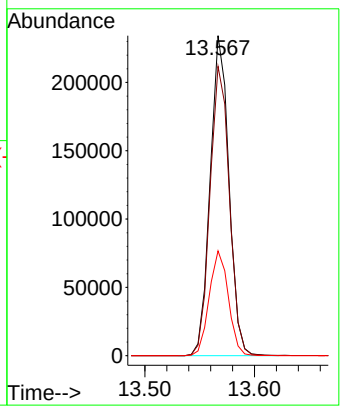




#93
1,2,4-Trichlorobenzene
Concen: 105.922 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:180 Resp: 27877

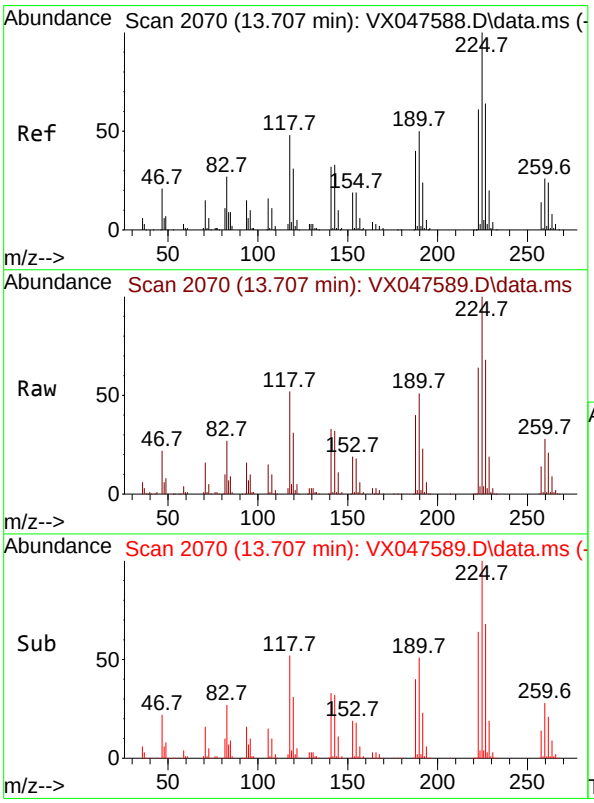
Ion	Ratio	Lower	Upper
180	100		
182	93.2	46.6	139.8
145	33.3	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

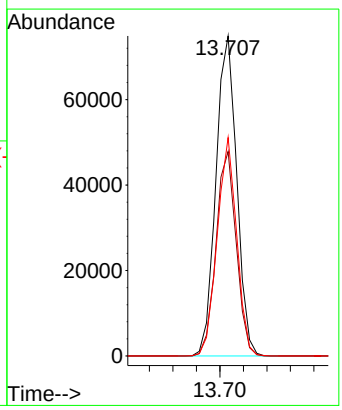
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

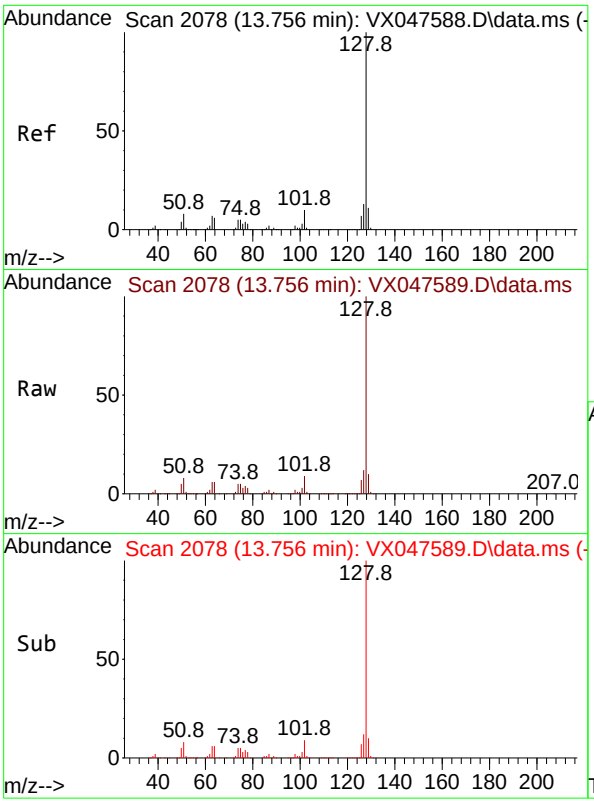


#94
Hexachlorobutadiene
Concen: 103.049 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:225 Resp: 92124

Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.7	95.1
227	63.8	32.0	96.0

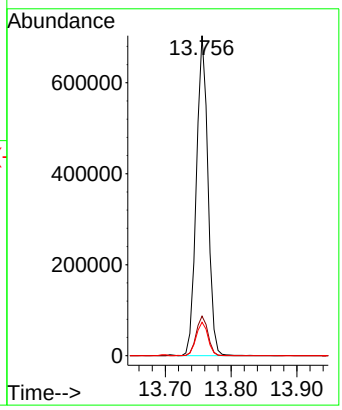




#95
Naphthalene
Concen: 106.620 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:128 Resp: 85449

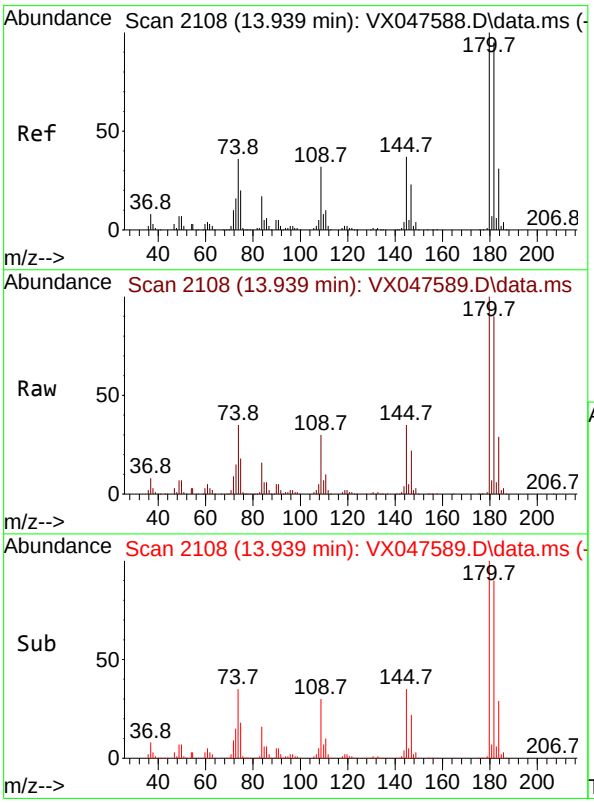
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.8	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

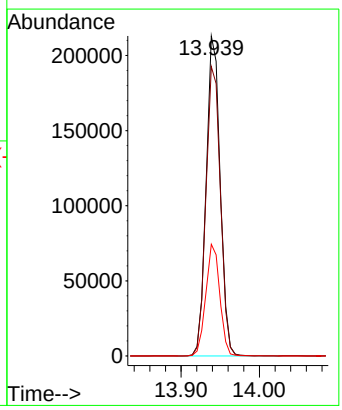
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 107.633 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:180 Resp: 263512

Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.6	142.8
145	35.0	17.9	53.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:16:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	153177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	274804	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	241818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	114743	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	396627	162.673	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 325.340%#			
35) Dibromofluoromethane	5.373	113	303728	164.802	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 329.600%#			
50) Toluene-d8	8.635	98	1041079	163.253	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 326.500%#			
62) 4-Bromofluorobenzene	11.067	95	399386	165.020	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 330.040%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	226166	142.586	ug/l	99
3) Chloromethane	1.301	50	297259	142.593	ug/l	99
4) Vinyl Chloride	1.380	62	302303	148.140	ug/l	98
5) Bromomethane	1.605	94	147541	114.019	ug/l	98
6) Chloroethane	1.691	64	195927	143.652	ug/l	99
7) Trichlorofluoromethane	1.892	101	453116	149.545	ug/l	99
8) Diethyl Ether	2.136	74	188006	151.684	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	267995	151.264	ug/l	99
10) Methyl Iodide	2.453	142	407242	147.384	ug/l	99
11) Tert butyl alcohol	2.959	59	215927	795.166	ug/l	100
12) 1,1-Dichloroethene	2.325	96	273692	150.388	ug/l	97
13) Acrolein	2.239	56	223763	894.203	ug/l	98
14) Allyl chloride	2.666	41	554779	147.727	ug/l	99
15) Acrylonitrile	3.063	53	790790	786.201	ug/l	99
16) Acetone	2.380	43	686119	647.201	ug/l	98
17) Carbon Disulfide	2.514	76	714503	143.412	ug/l	99
18) Methyl Acetate	2.703	43	404736	171.548	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	1015295	152.826	ug/l	100
20) Methylene Chloride	2.788	84	324032	144.398	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	291616	148.833	ug/l	98
22) Diisopropyl ether	3.757	45	1095726	150.551	ug/l	97
23) Vinyl Acetate	3.715	43	4504849	773.364	ug/l	100
24) 1,1-Dichloroethane	3.605	63	587129	151.776	ug/l	98
25) 2-Butanone	4.544	43	973938	736.502	ug/l	99
26) 2,2-Dichloropropane	4.471	77	486890	151.414	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	366262	152.638	ug/l	99
28) Bromochloromethane	4.885	49	289548	171.451	ug/l	99
29) Tetrahydrofuran	4.989	42	616374	774.811	ug/l	100
30) Chloroform	5.080	83	591709	151.367	ug/l	99
31) Cyclohexane	5.458	56	456119	141.570	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	506654	152.802	ug/l	99
36) 1,1-Dichloropropene	5.684	75	386601	143.556	ug/l	99
37) Ethyl Acetate	4.702	43	444461	154.141	ug/l	99
38) Carbon Tetrachloride	5.666	117	427263	146.021	ug/l	98
39) Methylcyclohexane	7.367	83	456694	149.395	ug/l	98
40) Benzene	6.025	78	1202846	147.057	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 17 06:16:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.904	41	223218	149.951 ug/l	99
42) 1,2-Dichloroethane	6.074	62	455978	146.515 ug/l	99
43) Isopropyl Acetate	6.324	43	724888	153.283 ug/l	99
44) Trichloroethene	7.111	130	299673	151.542 ug/l	96
45) 1,2-Dichloropropane	7.415	63	316720	151.219 ug/l	99
46) Dibromomethane	7.568	93	228550	149.954 ug/l	97
47) Bromodichloromethane	7.806	83	483438	153.710 ug/l	98
48) Methyl methacrylate	7.678	41	367931	156.194 ug/l	99
49) 1,4-Dioxane	7.647	88	82739	3475.565 ug/l	98
51) 4-Methyl-2-Pentanone	8.562	43	2008063	765.849 ug/l	100
52) Toluene	8.702	92	739332	146.712 ug/l	99
53) t-1,3-Dichloropropene	8.964	75	503912	157.076 ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	530566	154.732 ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	289103	148.781 ug/l	99
56) Ethyl methacrylate	9.104	69	490623	160.773 ug/l	97
57) 1,3-Dichloropropane	9.293	76	502121	150.426 ug/l	98
58) 2-Chloroethyl Vinyl ether	8.232	63	1202206	749.661 ug/l	99
59) 2-Hexanone	9.415	43	1412417	750.035 ug/l	99
60) Dibromochloromethane	9.506	129	347748	155.318 ug/l	98
61) 1,2-Dibromoethane	9.592	107	302715	152.949 ug/l	99
64) Tetrachloroethene	9.263	164	227931	144.590 ug/l	98
65) Chlorobenzene	10.061	112	828239	150.763 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	291433	153.733 ug/l	98
67) Ethyl Benzene	10.177	91	1431554	151.026 ug/l	99
68) m/p-Xylenes	10.287	106	1059776	300.381 ug/l	99
69) o-Xylene	10.628	106	521840	152.920 ug/l	99
70) Styrene	10.640	104	917532	153.449 ug/l	99
71) Bromoform	10.781	173	229683	162.262 ug/l	99
73) Isopropylbenzene	10.945	105	1321409	151.477 ug/l	99
74) N-amyl acetate	10.829	43	636879	160.099 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	403906	153.035 ug/l	99
76) 1,2,3-Trichloropropane	11.226	75	366171m	153.692 ug/l	
77) Bromobenzene	11.183	156	328336	152.818 ug/l	99
78) n-propylbenzene	11.287	91	1550316	150.337 ug/l	99
79) 2-Chlorotoluene	11.348	91	939707	148.781 ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	1091593	152.306 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	145921	160.176 ug/l	97
82) 4-Chlorotoluene	11.439	91	1127233	151.112 ug/l	100
83) tert-Butylbenzene	11.701	119	1106532	150.819 ug/l	99
84) 1,2,4-Trimethylbenzene	11.738	105	1106914	152.336 ug/l	100
85) sec-Butylbenzene	11.872	105	1319819	151.448 ug/l	99
86) p-Isopropyltoluene	11.994	119	1103210	149.530 ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	605123	151.633 ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	613617	149.814 ug/l	99
89) n-Butylbenzene	12.317	91	1032357	151.222 ug/l	100
90) Hexachloroethane	12.518	117	211472	163.258 ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	582565	153.227 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	89415	167.332 ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	387652	156.884 ug/l	98
94) Hexachlorobutadiene	13.707	225	121791	145.110 ug/l	99
95) Naphthalene	13.756	128	1229363	163.388 ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	369382	160.704 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:16:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 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

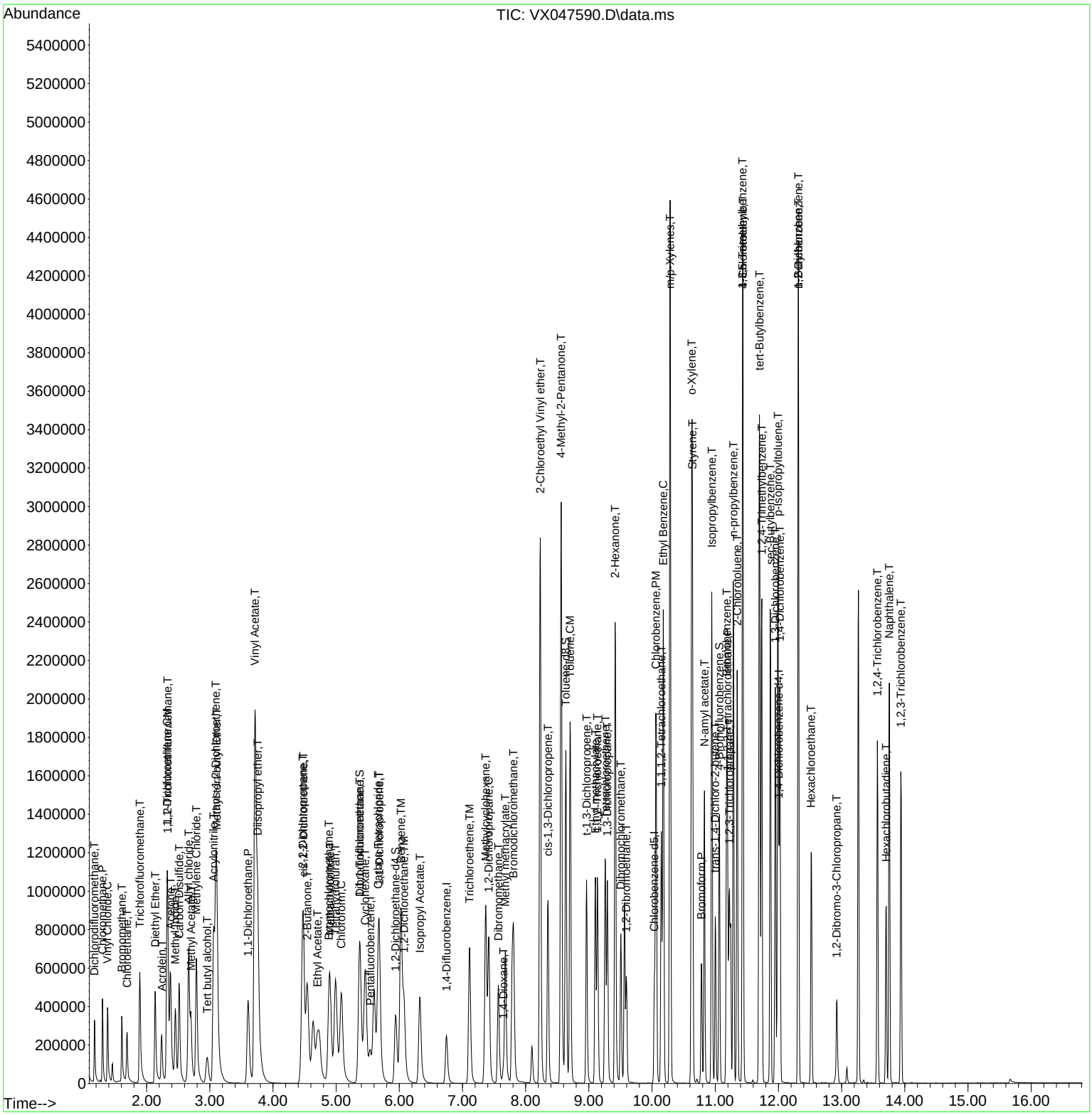
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

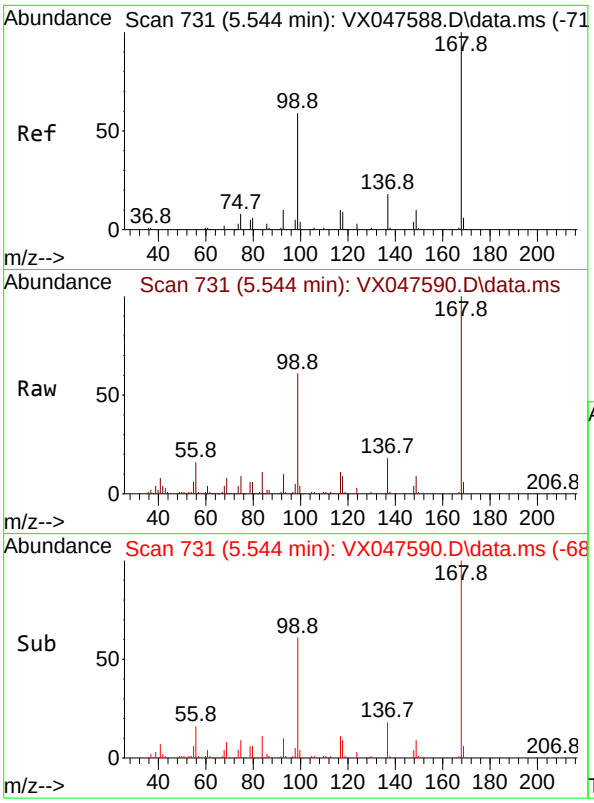
Quant Time: Sep 17 06:16:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

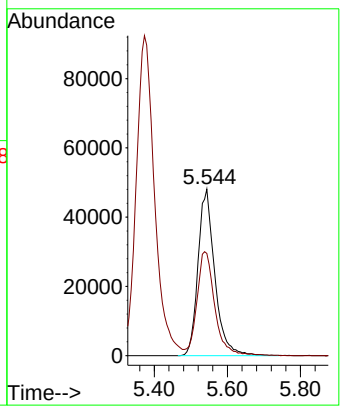




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:168 Resp: 15317

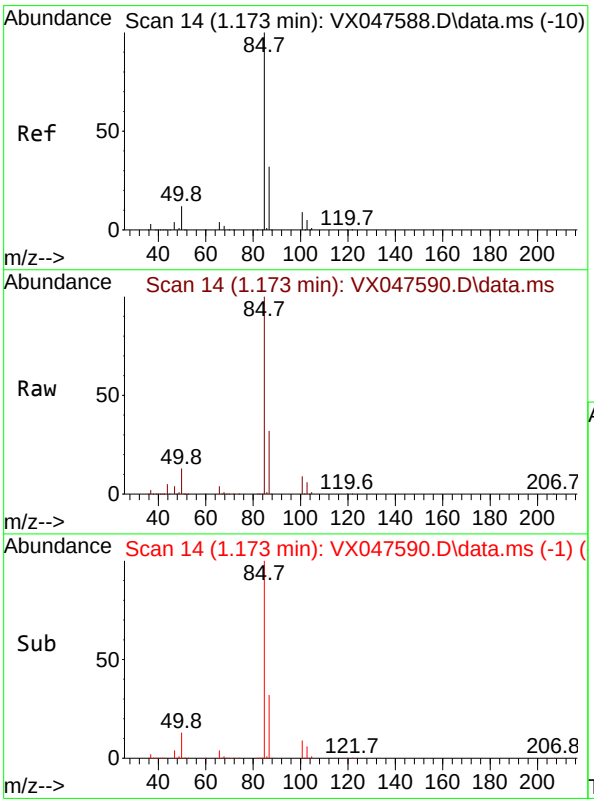
Ion	Ratio	Lower	Upper
168	100		
99	61.1	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

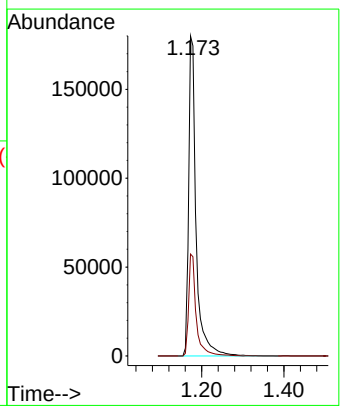
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

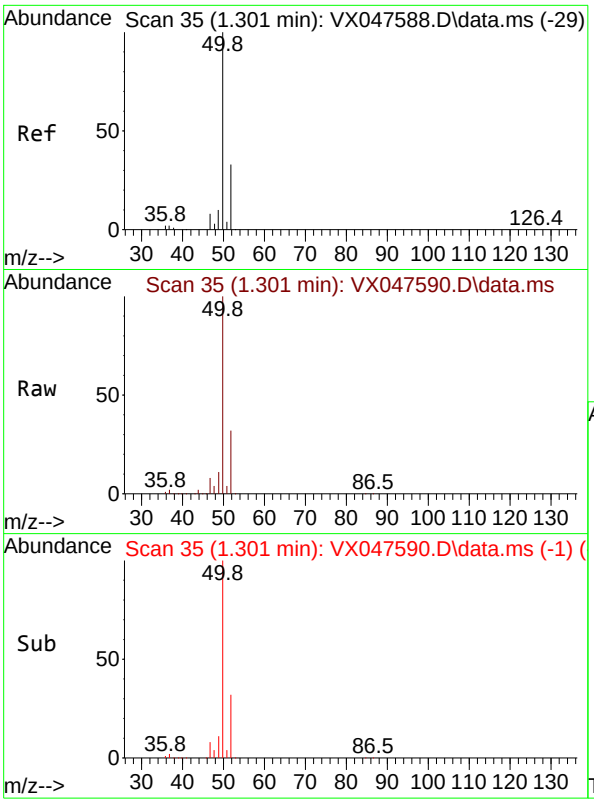


#2
Dichlorodifluoromethane
Concen: 142.586 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 85 Resp: 226166

Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.8	47.3

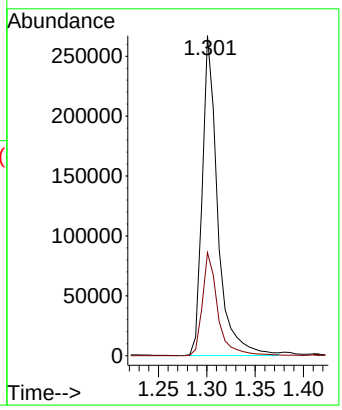




#3
Chloromethane
Concen: 142.593 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 50 Resp: 29725

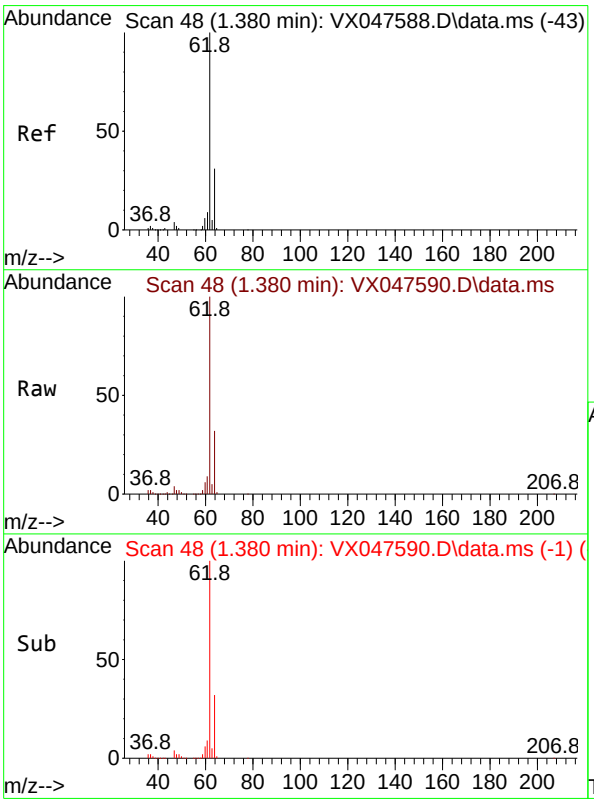
Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

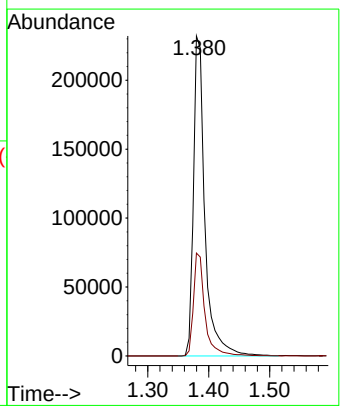
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

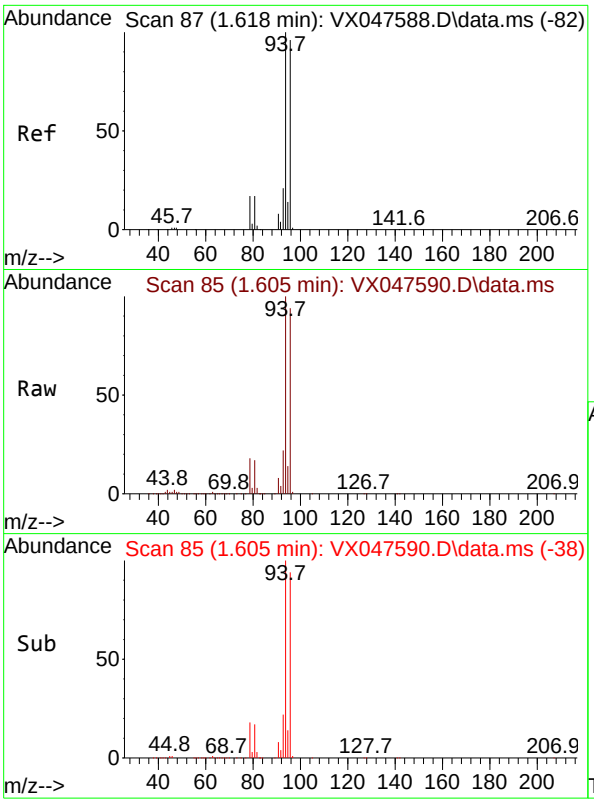


#4
Vinyl Chloride
Concen: 148.140 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 62 Resp: 302303

Ion	Ratio	Lower	Upper
62	100		
64	32.1	24.9	37.3

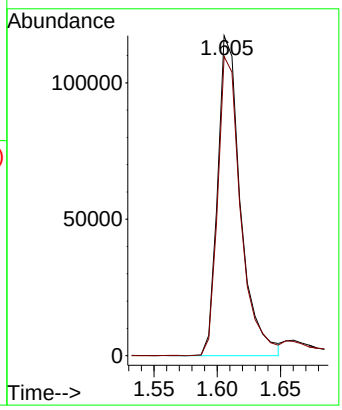




#5
Bromomethane
Concen: 114.019 ug/l
RT: 1.605 min Scan# 8
Delta R.T. -0.012 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 94 Resp: 14754

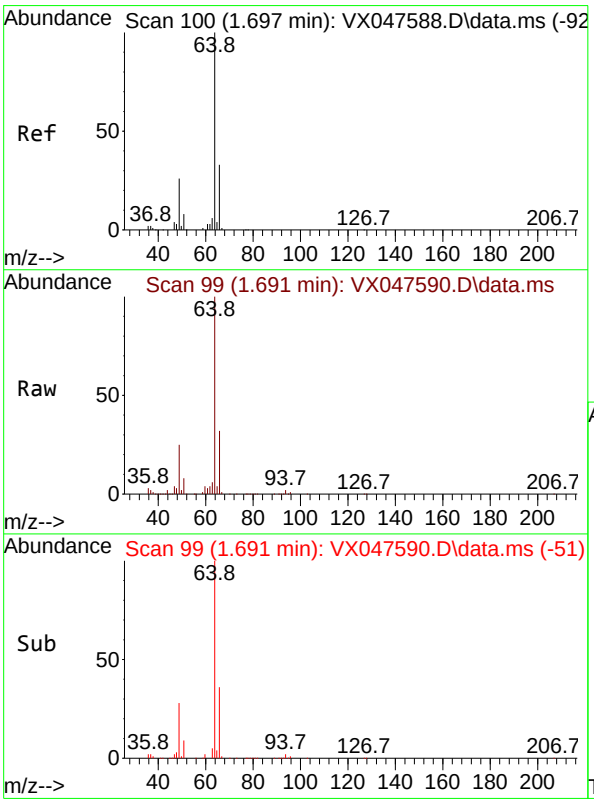
Ion	Ratio	Lower	Upper
94	100		
96	93.4	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

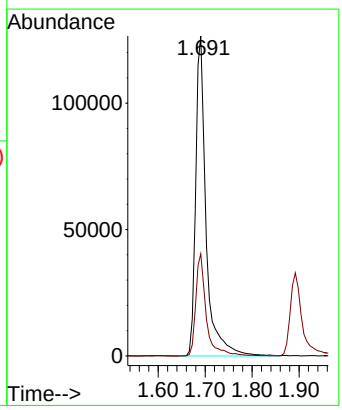
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

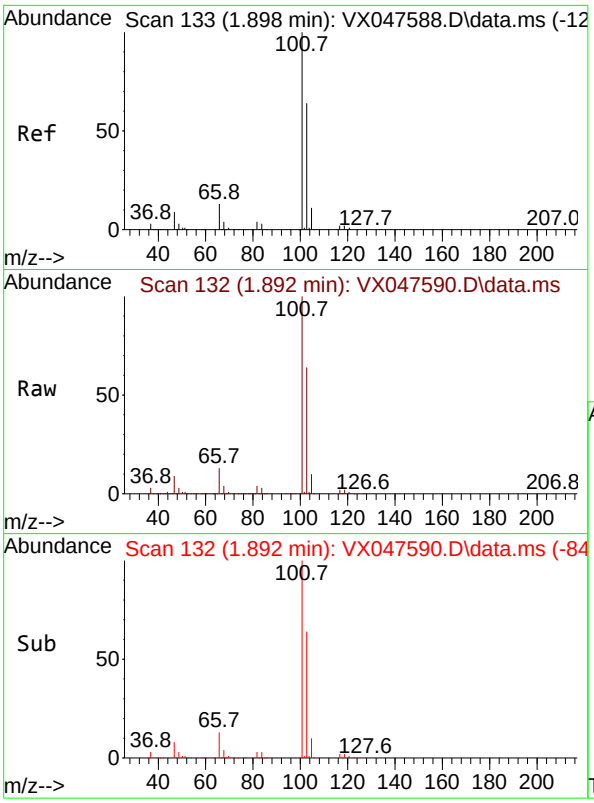


#6
Chloroethane
Concen: 143.652 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 64 Resp: 195927

Ion	Ratio	Lower	Upper
64	100		
66	31.9	26.1	39.1





#7
Trichlorofluoromethane
Concen: 149.545 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

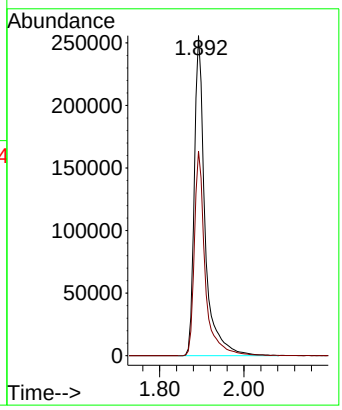
Tgt Ion:101 Resp: 45311

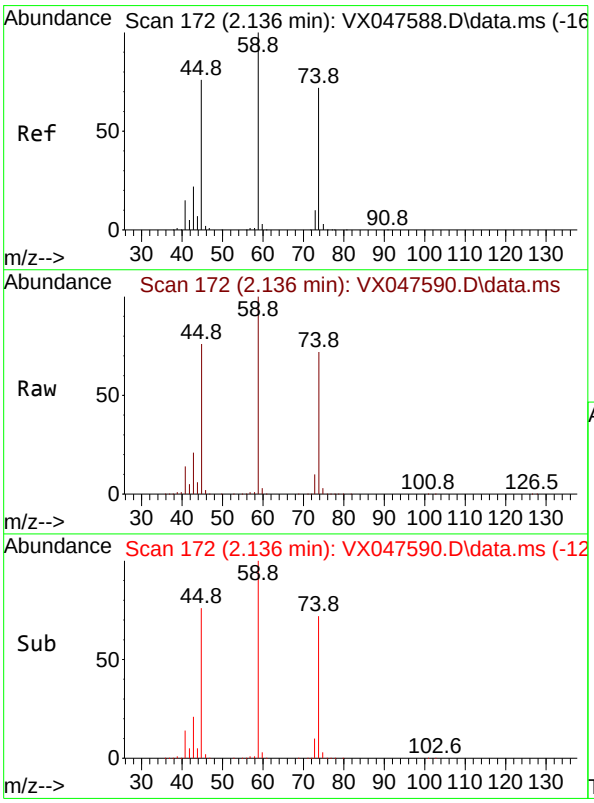
Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.4	77.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

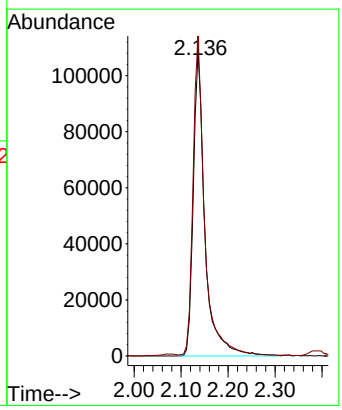


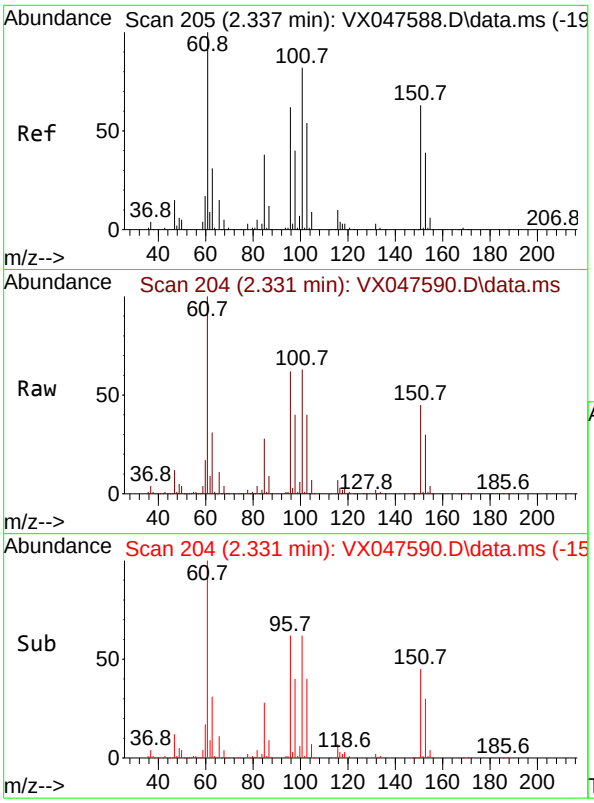


#8
Diethyl Ether
Concen: 151.684 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 74 Resp: 188006

Ion	Ratio	Lower	Upper
74	100		
45	105.5	52.3	156.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 151.264 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

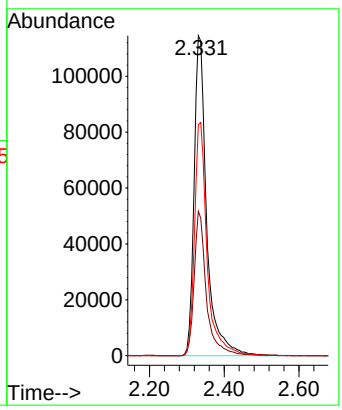
Tgt Ion:101 Resp: 26799

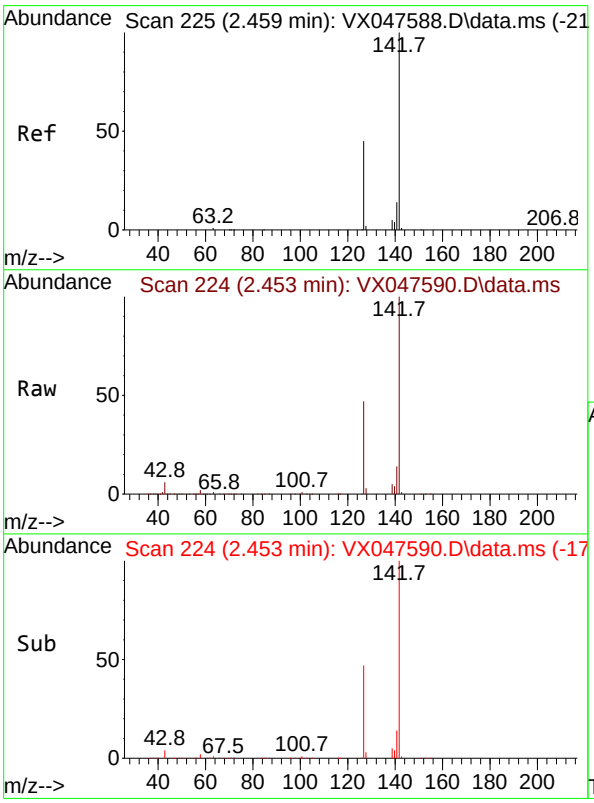
Ion	Ratio	Lower	Upper
101	100		
85	43.9	35.5	53.3
151	73.2	59.4	89.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

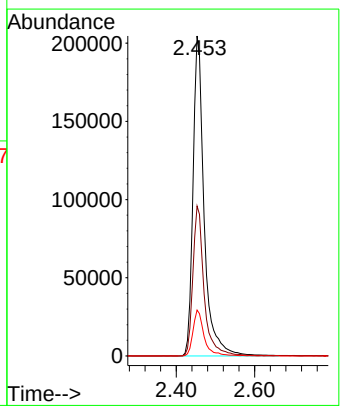


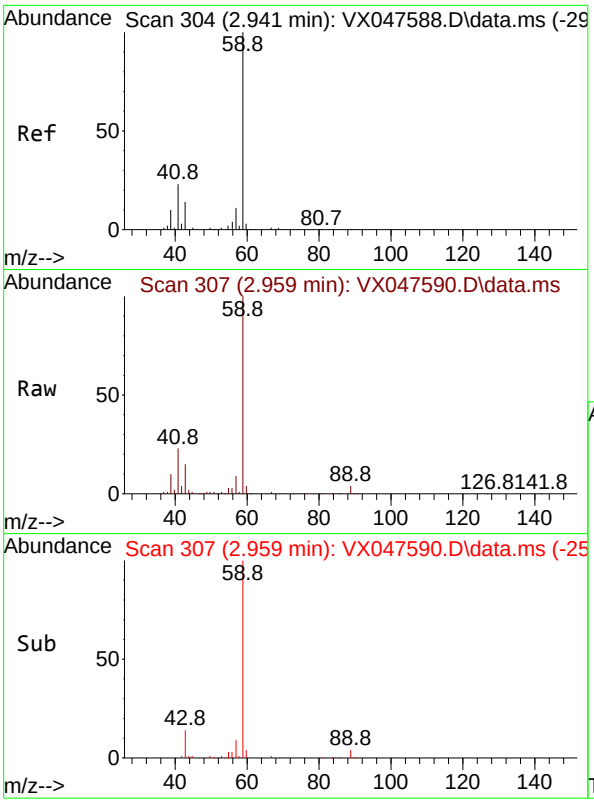


#10
Methyl Iodide
Concen: 147.384 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:142 Resp: 407242

Ion	Ratio	Lower	Upper
142	100		
127	47.3	37.2	55.8
141	14.3	11.4	17.0

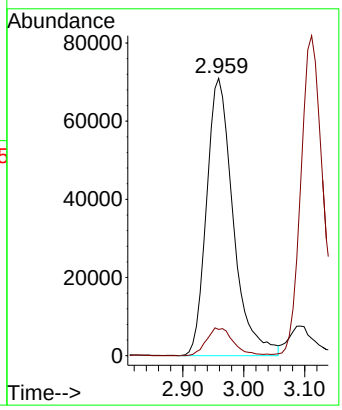




#11
Tert butyl alcohol
Concen: 795.166 ug/l
RT: 2.959 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 59 Resp: 21592

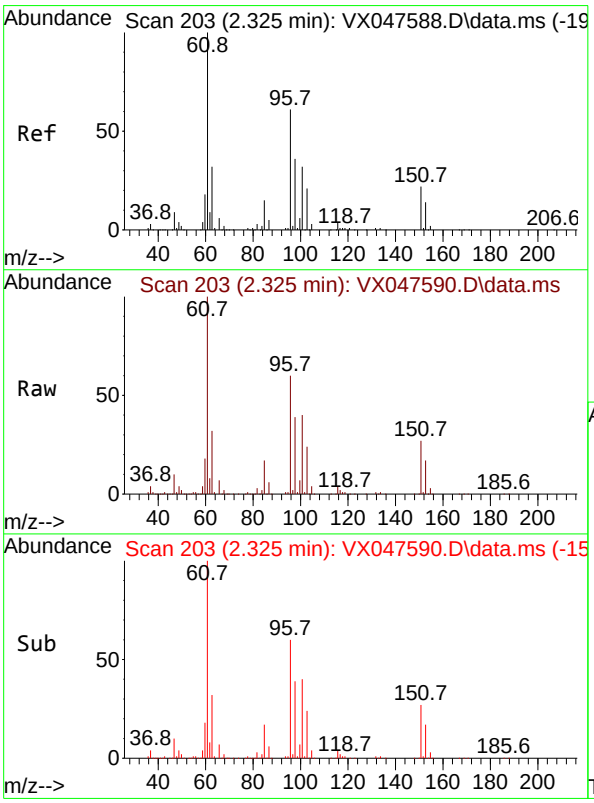
Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

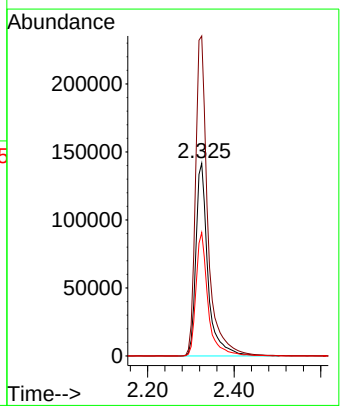
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

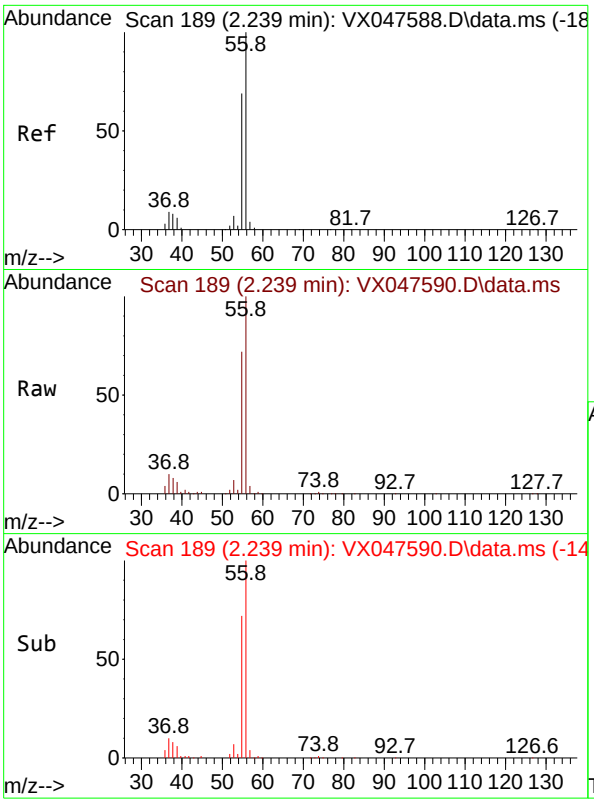


#12
1,1-Dichloroethene
Concen: 150.388 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 96 Resp: 273692

Ion	Ratio	Lower	Upper
96	100		
61	166.1	131.0	196.6
98	64.0	47.7	71.5

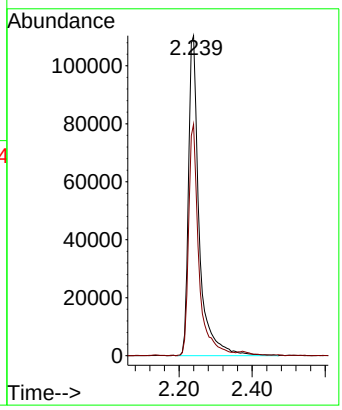




#13
Acrolein
Concen: 894.203 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 56 Resp: 22376

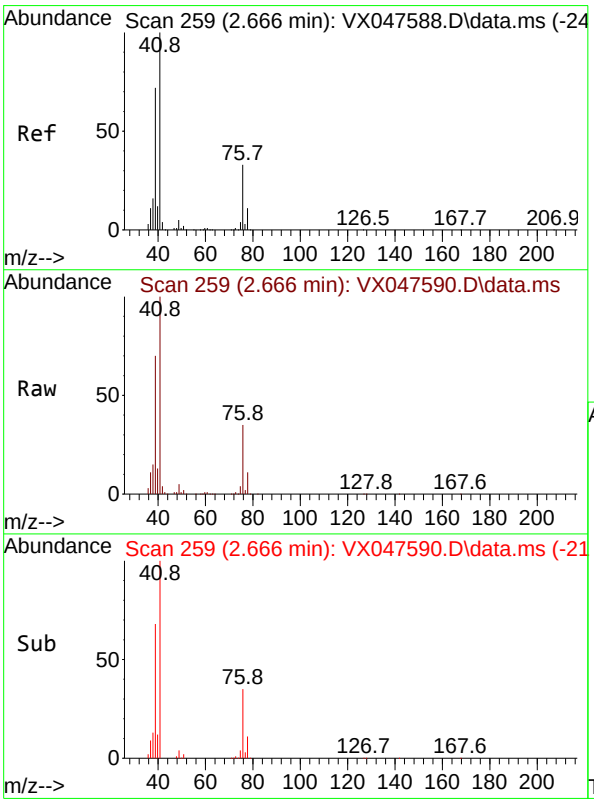
Ion	Ratio	Lower	Upper
56	100		
55	69.6	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

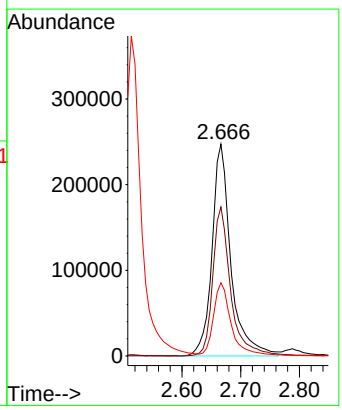
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

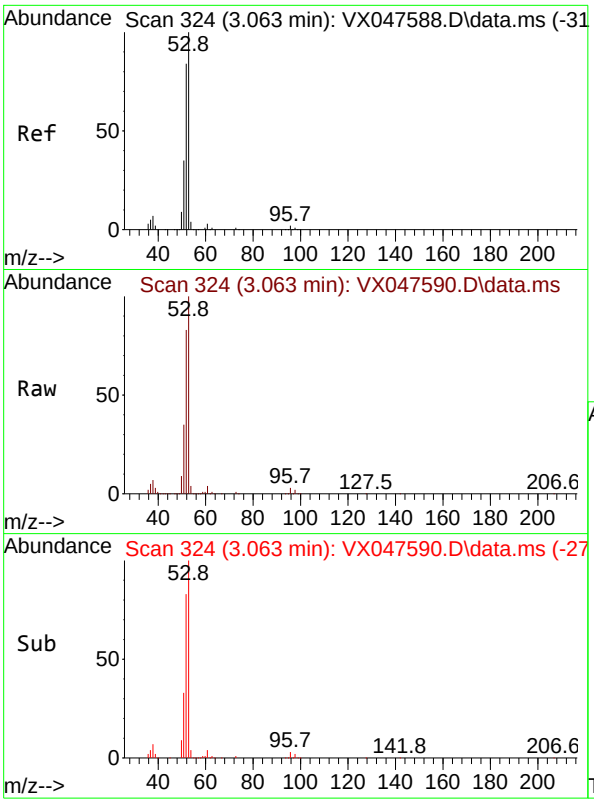


#14
Allyl chloride
Concen: 147.727 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 41 Resp: 554779

Ion	Ratio	Lower	Upper
41	100		
39	67.3	54.7	82.1
76	32.4	25.7	38.5

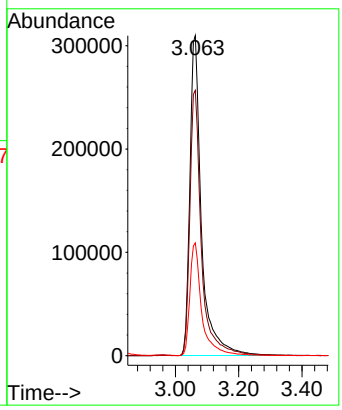




#15
Acrylonitrile
Concen: 786.201 ug/l
RT: 3.063 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 53 Resp: 79079

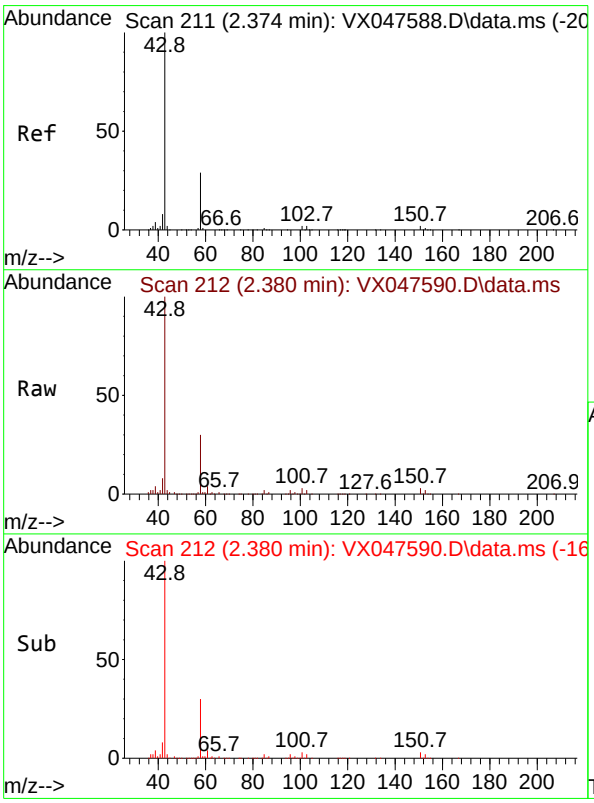
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.4	99.6
51	36.1	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

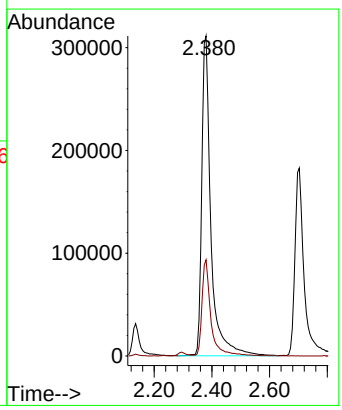
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

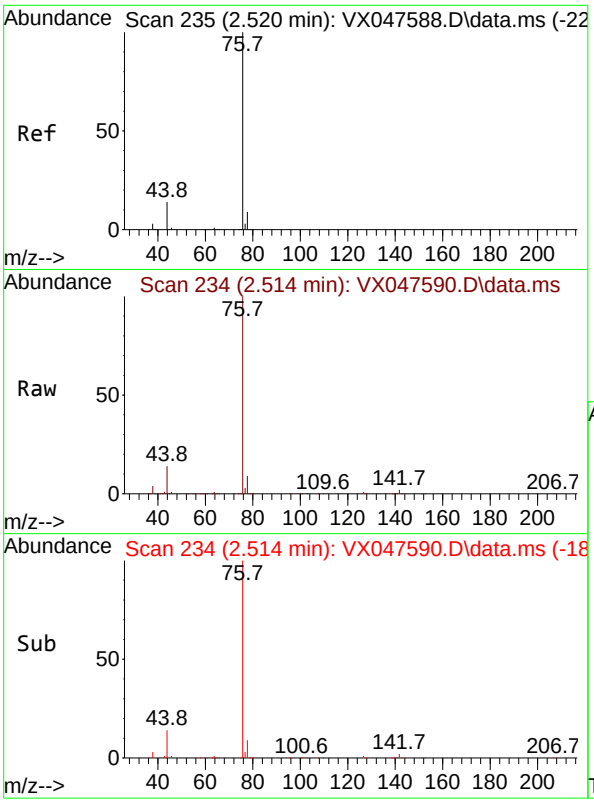


#16
Acetone
Concen: 647.201 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 686119

Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.4	35.0

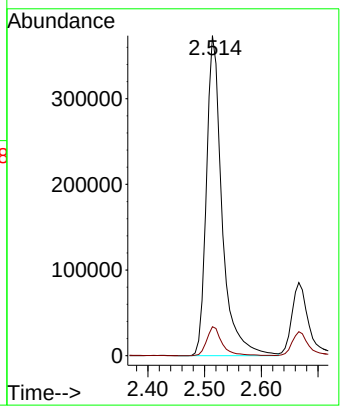




#17
Carbon Disulfide
Concen: 143.412 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 76 Resp: 71450

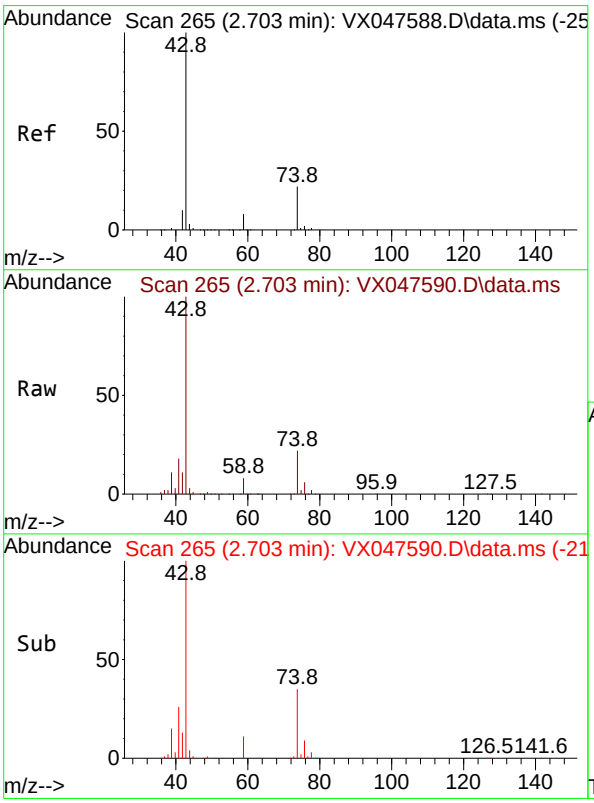
Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

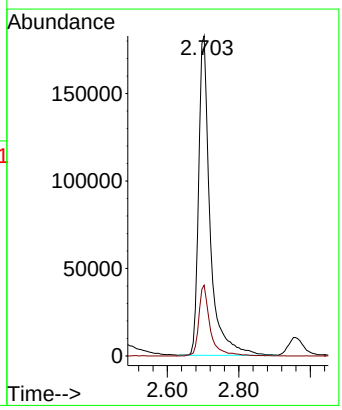
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

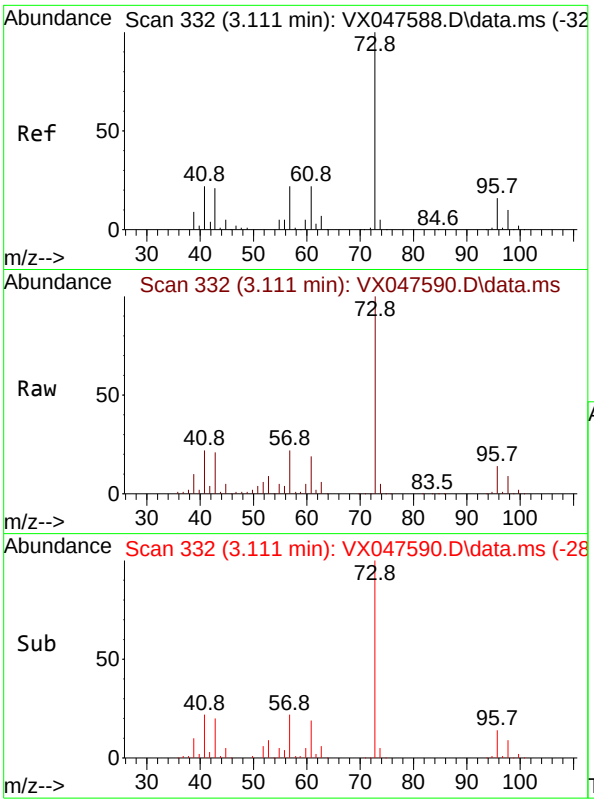


#18
Methyl Acetate
Concen: 171.548 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 404736

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.4	26.2





#19
Methyl tert-butyl Ether
Concen: 152.826 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

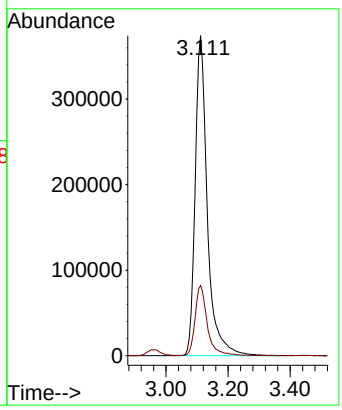
Tgt Ion: 73 Resp: 101529

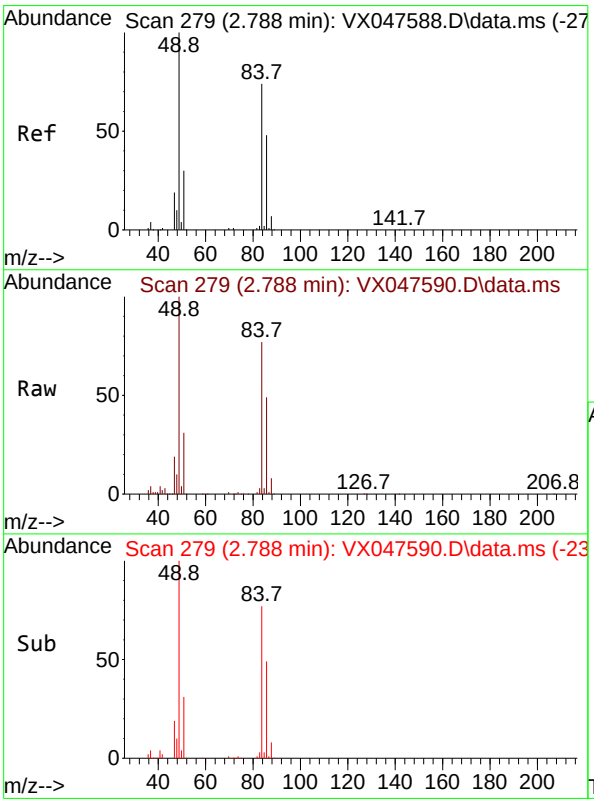
Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.4	26.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

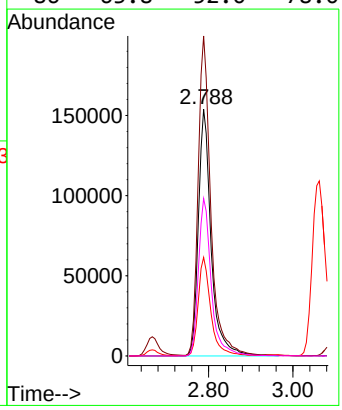


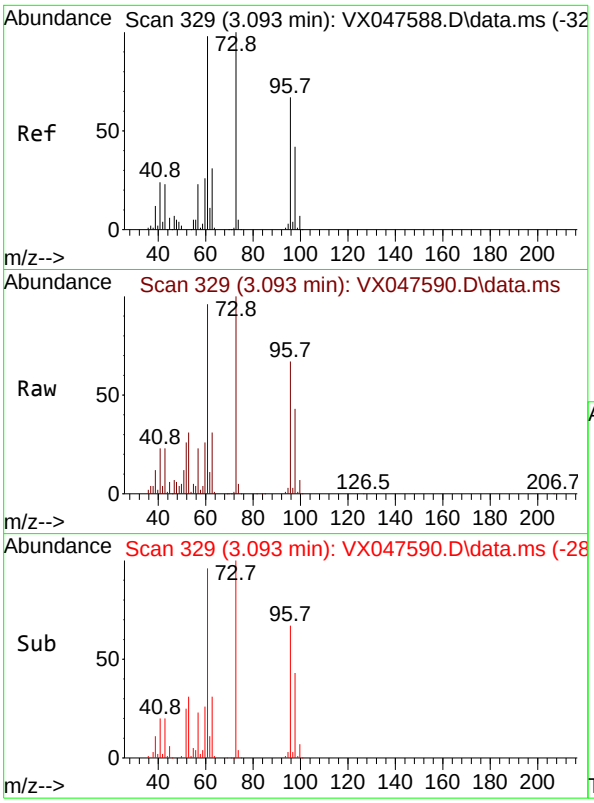


#20
Methylene Chloride
Concen: 144.398 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 84 Resp: 324032

Ion	Ratio	Lower	Upper
84	100		
49	129.4	108.6	162.8
51	39.9	32.6	48.8
86	63.8	52.0	78.0

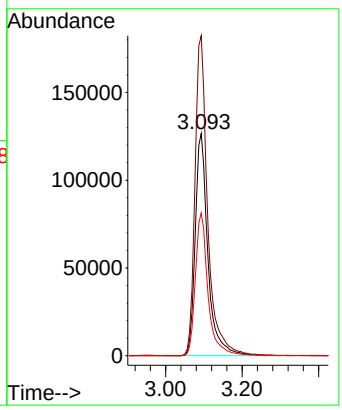




#21
trans-1,2-Dichloroethene
Concen: 148.833 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 96 Resp: 29161

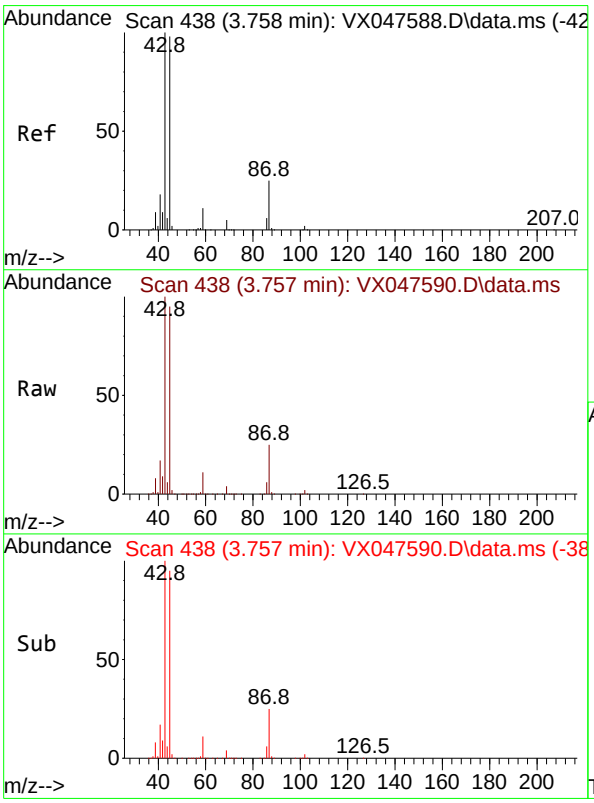
Ion	Ratio	Lower	Upper
96	100		
61	144.0	116.2	174.2
98	64.3	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

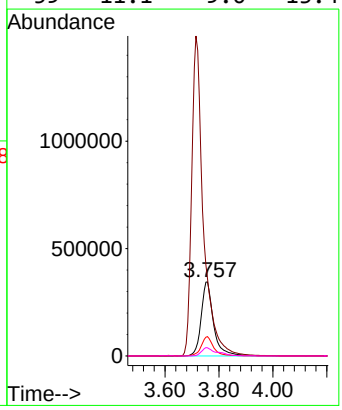
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

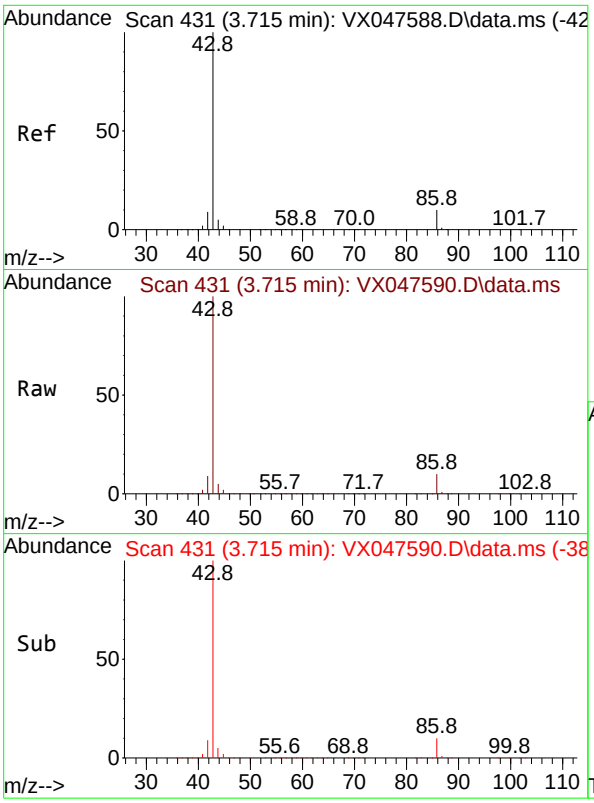


#22
Diisopropyl ether
Concen: 150.551 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 45 Resp: 1095726

Ion	Ratio	Lower	Upper
45	100		
43	104.7	81.0	121.4
87	26.2	20.3	30.5
59	11.1	9.0	13.4





#23
Vinyl Acetate
Concen: 773.364 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

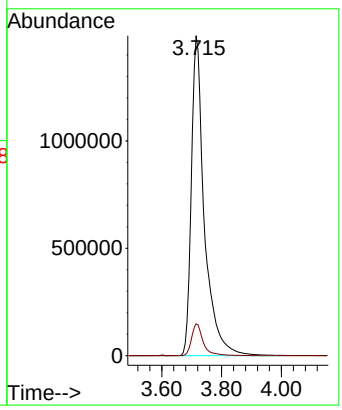
Tgt Ion: 43 Resp: 450484

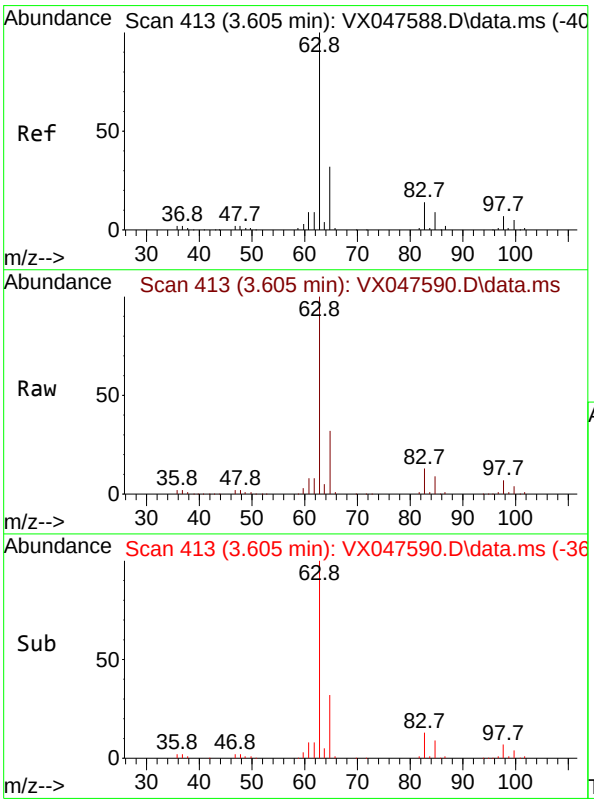
Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

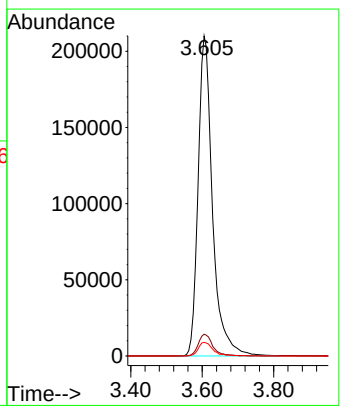


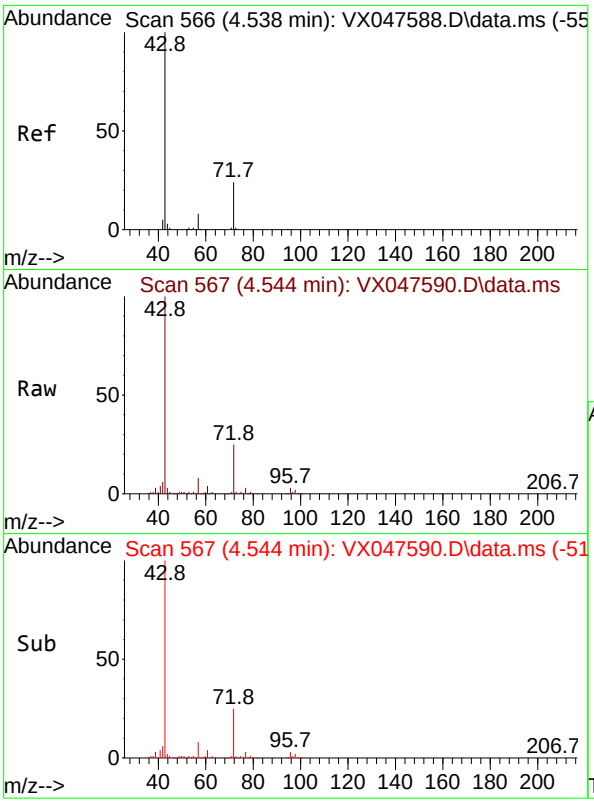


#24
1,1-Dichloroethane
Concen: 151.776 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 63 Resp: 587129

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.8	11.2
100	4.3	2.3	6.9





#25
2-Butanone
Concen: 736.502 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

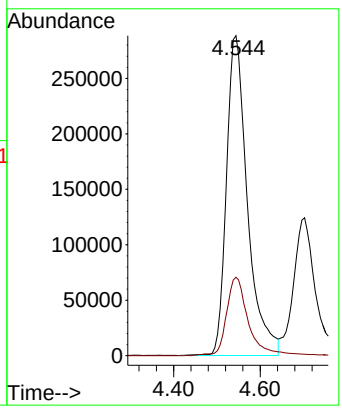
Tgt Ion: 43 Resp: 97393

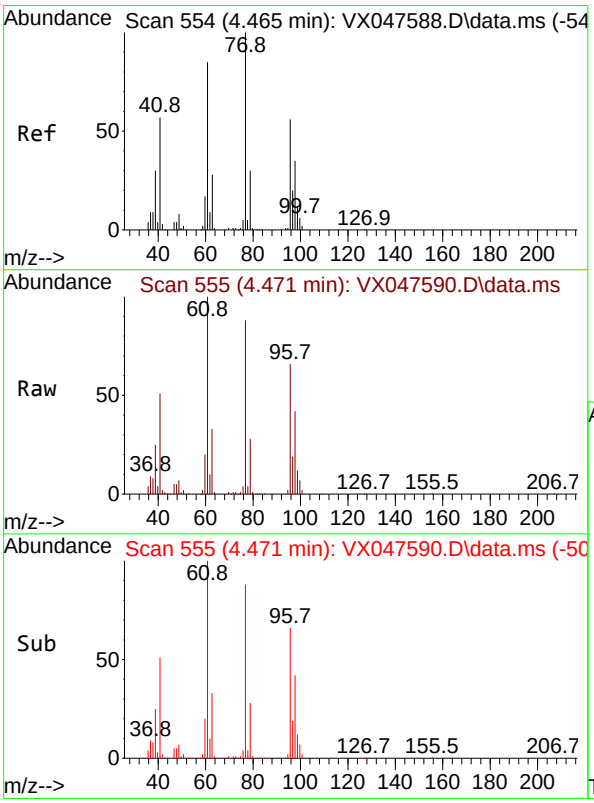
Ion	Ratio	Lower	Upper
43	100		
72	24.6	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

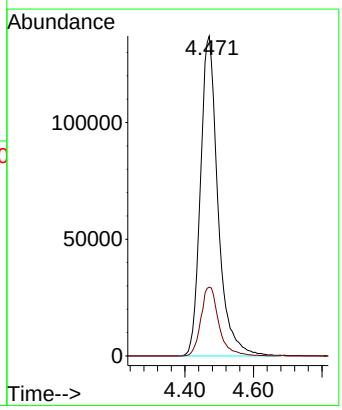


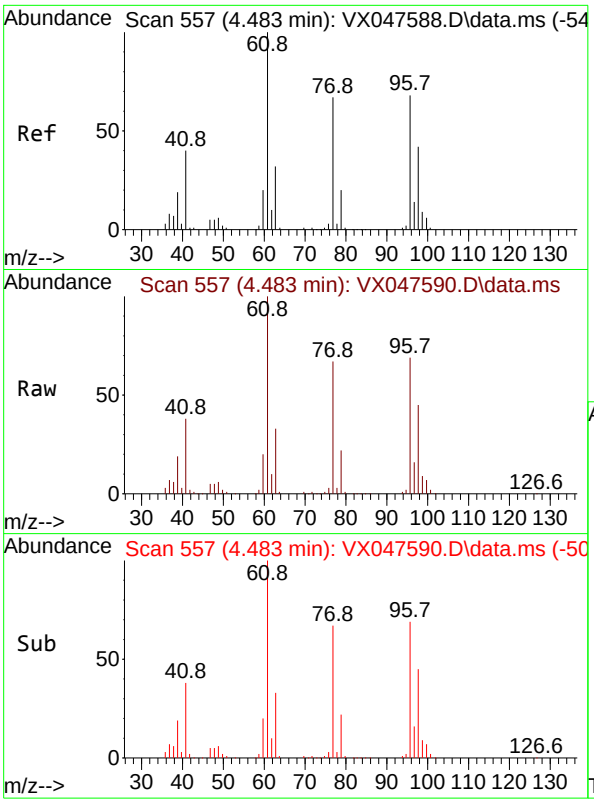


#26
2,2-Dichloropropane
Concen: 151.414 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 77 Resp: 486890

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.9	32.7





#27
cis-1,2-Dichloroethene
Concen: 152.638 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

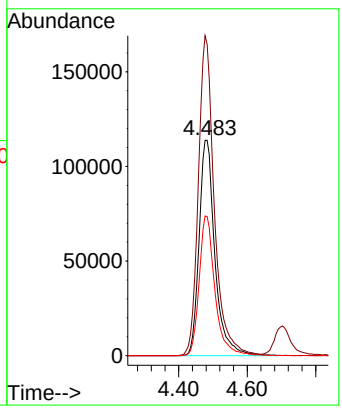
Tgt Ion: 96 Resp: 36626

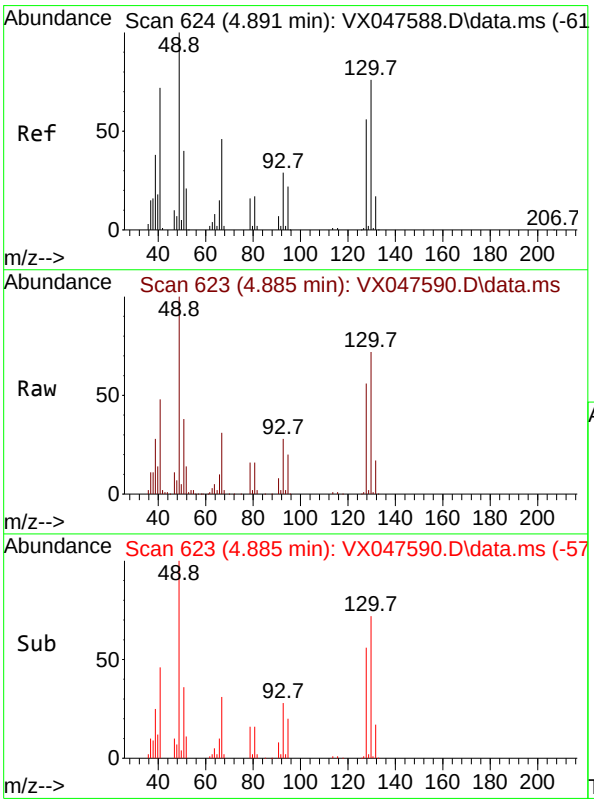
Ion	Ratio	Lower	Upper
96	100		
61	149.8	0.0	303.2
98	64.6	0.0	127.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

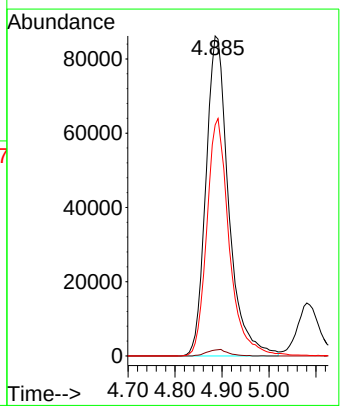


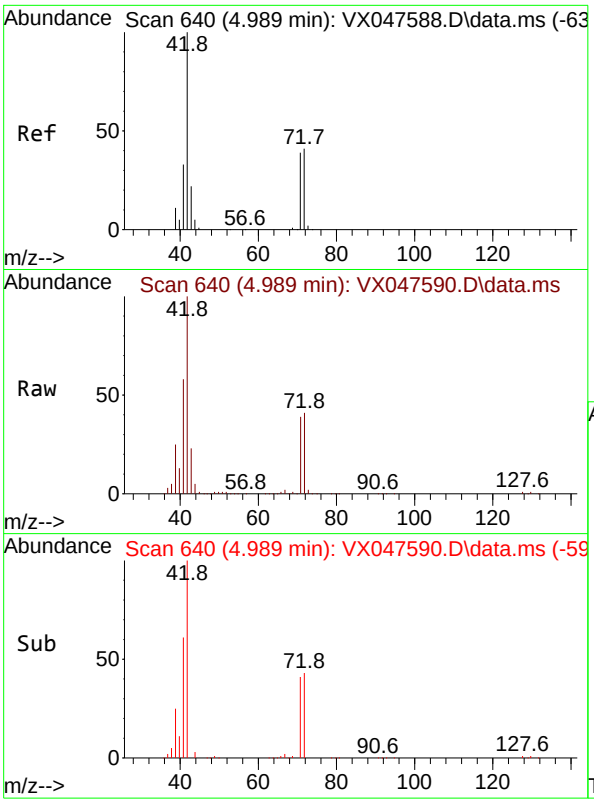


#28
Bromochloromethane
Concen: 171.451 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 49 Resp: 289548

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.2
130	73.2	57.8	86.8





#29
Tetrahydrofuran
Concen: 774.811 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

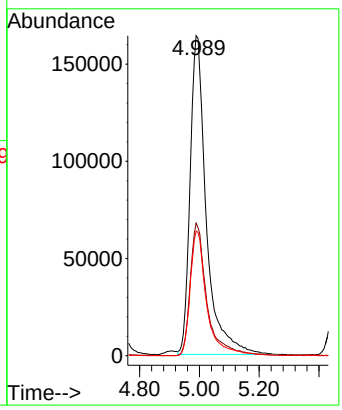
Tgt Ion: 42 Resp: 616374

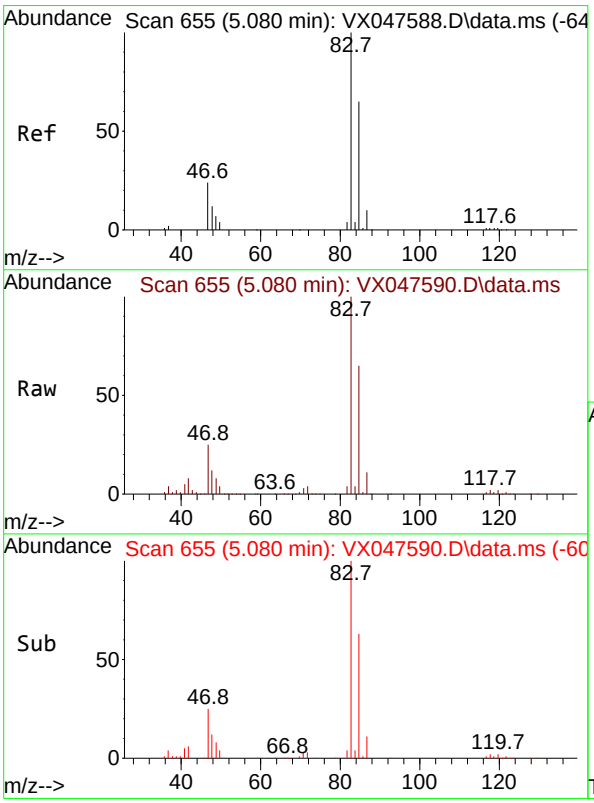
Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.2	51.2
71	39.9	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

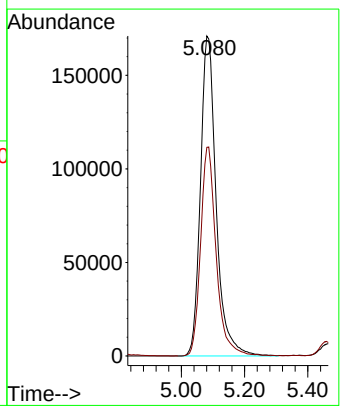


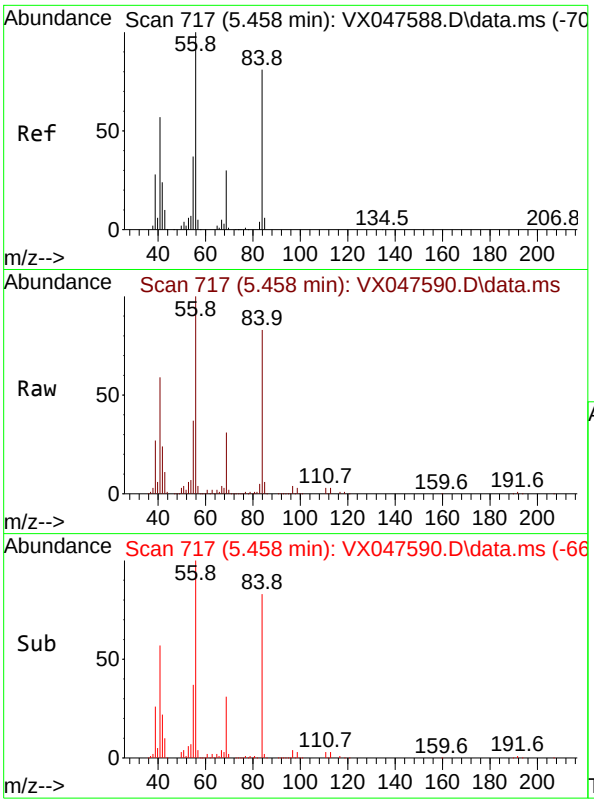


#30
Chloroform
Concen: 151.367 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 83 Resp: 591709

Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.6

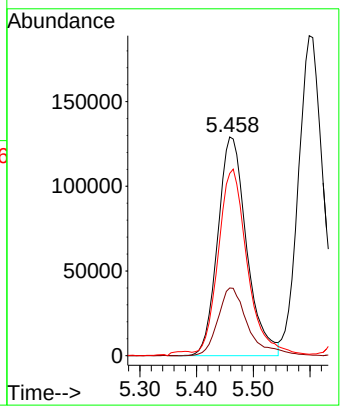




#31
Cyclohexane
Concen: 141.570 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 56 Resp: 45611

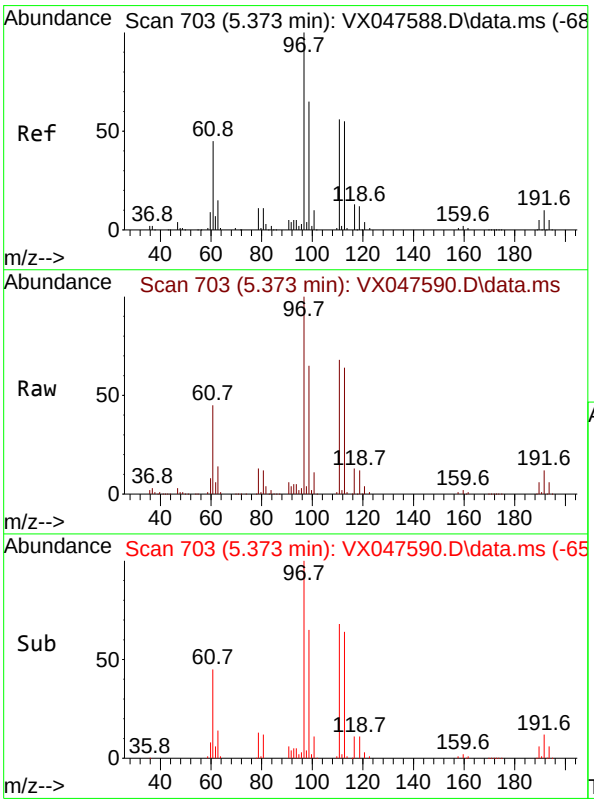
Ion	Ratio	Lower	Upper
56	100		
69	30.5	23.8	35.8
84	81.5	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

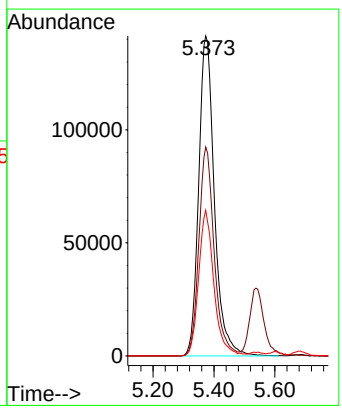
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

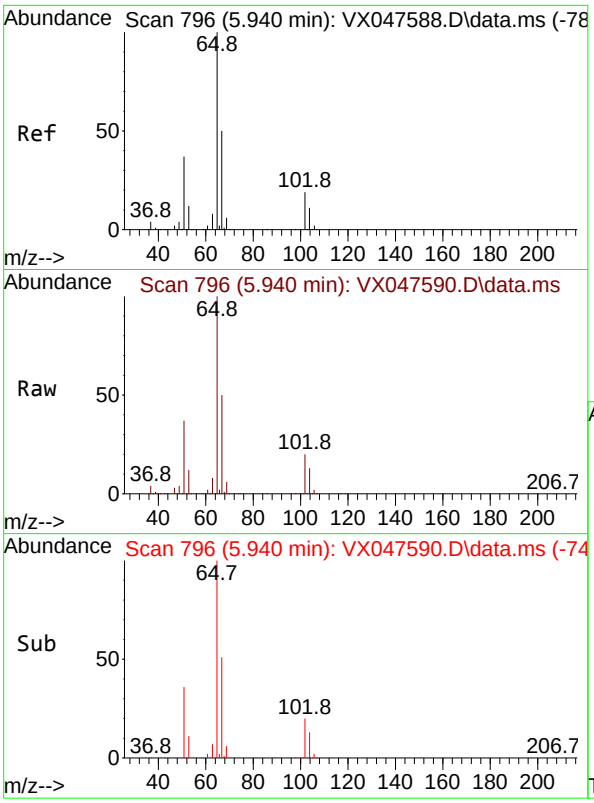


#32
1,1,1-Trichloroethane
Concen: 152.802 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 97 Resp: 506654

Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.6	76.0
61	44.2	35.8	53.8





#33
1,2-Dichloroethane-d4
Concen: 162.673 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

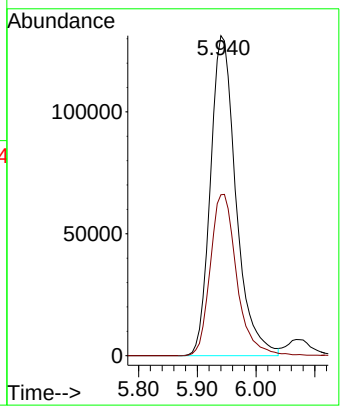
Tgt Ion: 65 Resp: 39662

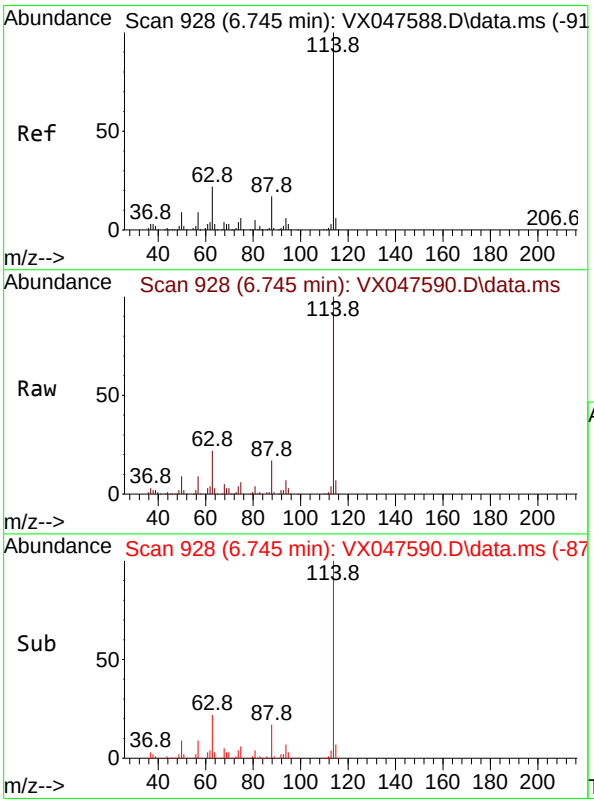
Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	103.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

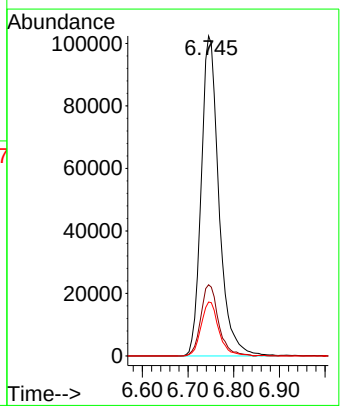


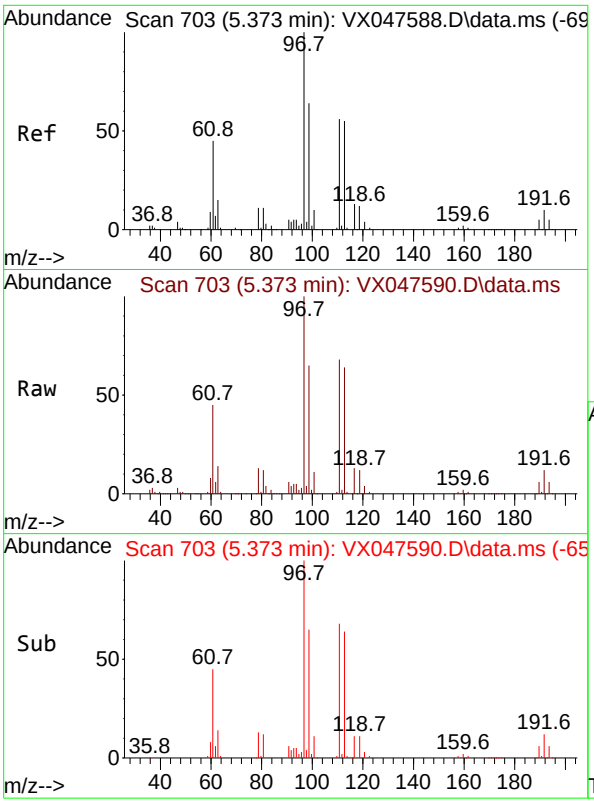


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:114 Resp: 274804

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	16.8	0.0	34.2

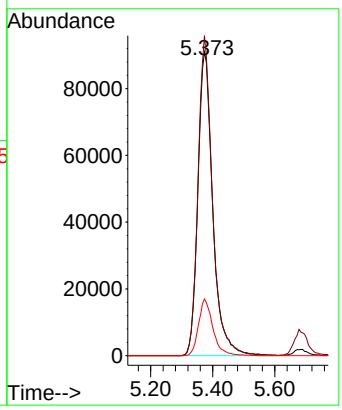




#35
Dibromofluoromethane
Concen: 164.802 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:113 Resp: 30372

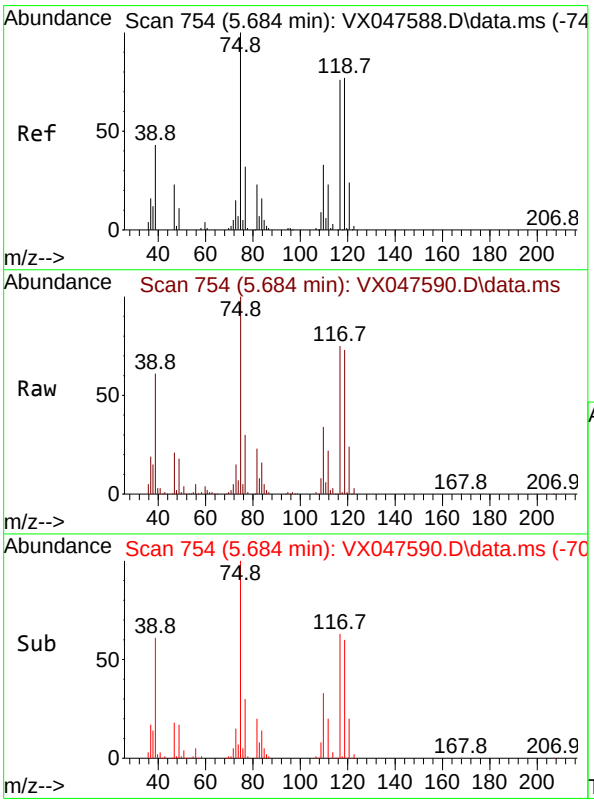
Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.9	121.3
192	18.1	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

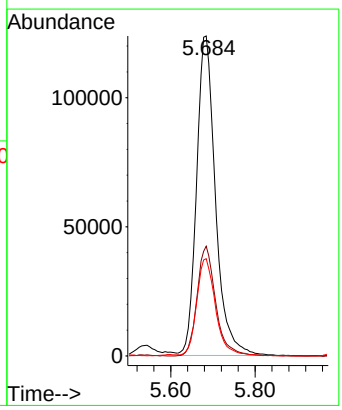
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

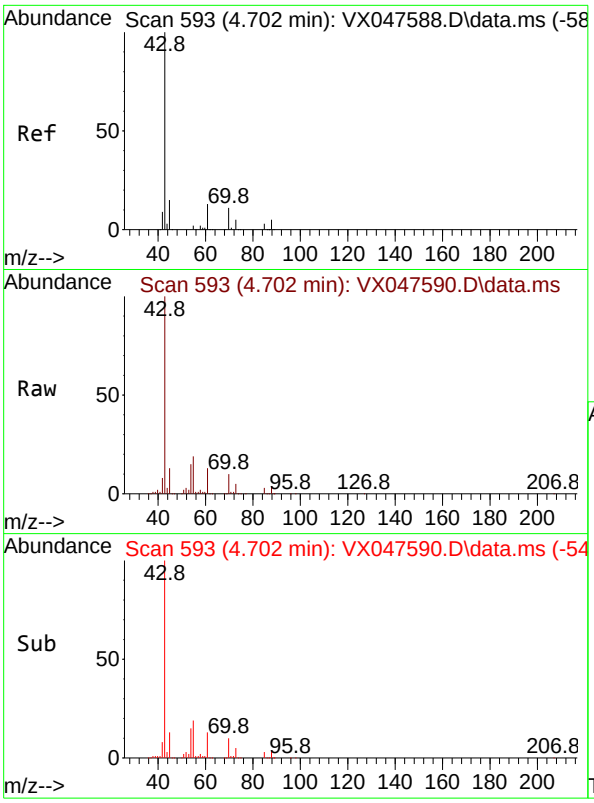


#36
1,1-Dichloropropene
Concen: 143.556 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 386601

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.7	50.1
77	30.6	24.3	36.5





#37
Ethyl Acetate
Concen: 154.141 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

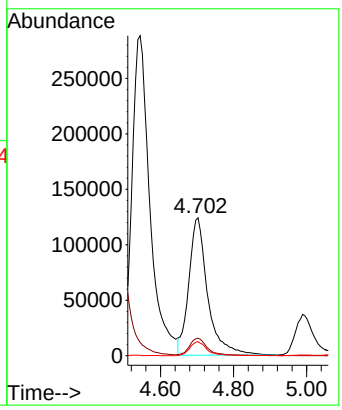
Tgt Ion: 43 Resp: 44446

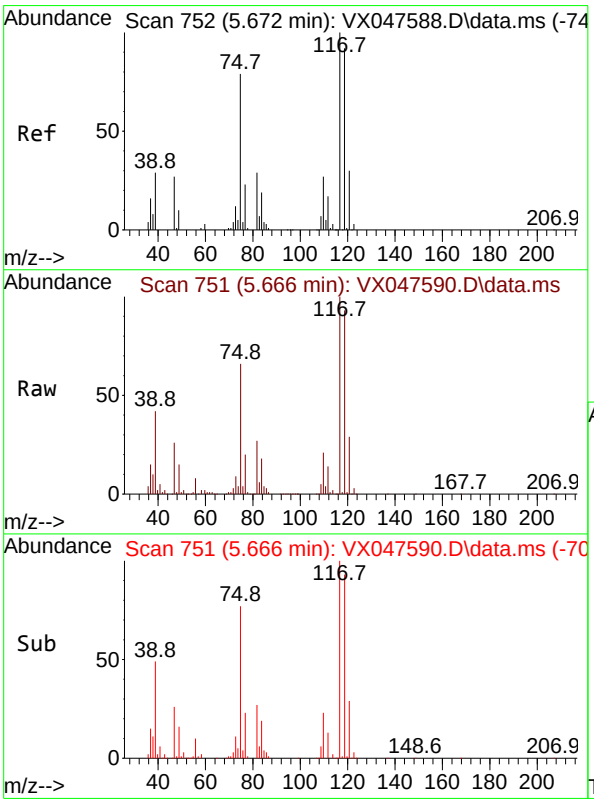
Ion	Ratio	Lower	Upper
43	100		
61	12.1	9.8	14.8
70	9.5	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

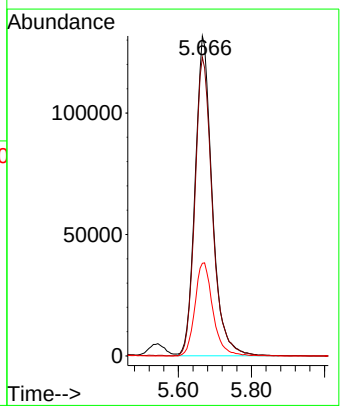


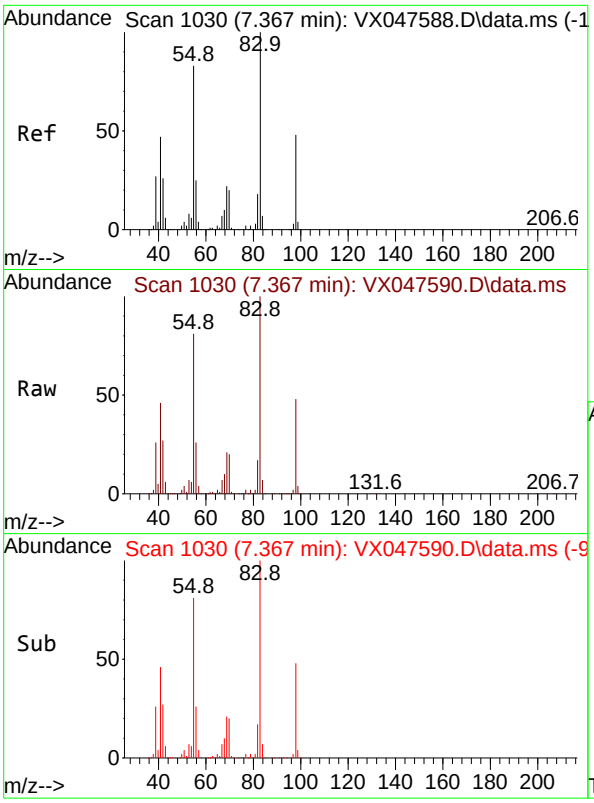


#38
Carbon Tetrachloride
Concen: 146.021 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:117 Resp: 427263

Ion	Ratio	Lower	Upper
117	100		
119	93.3	73.4	110.2
121	29.0	23.8	35.6





#39
Methylcyclohexane
Concen: 149.395 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

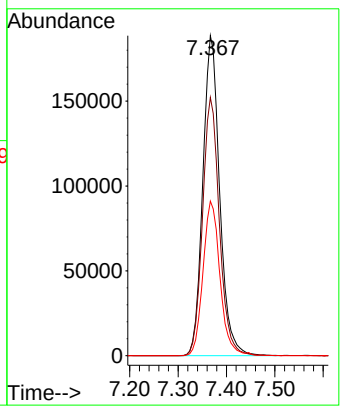
Tgt Ion: 83 Resp: 45669

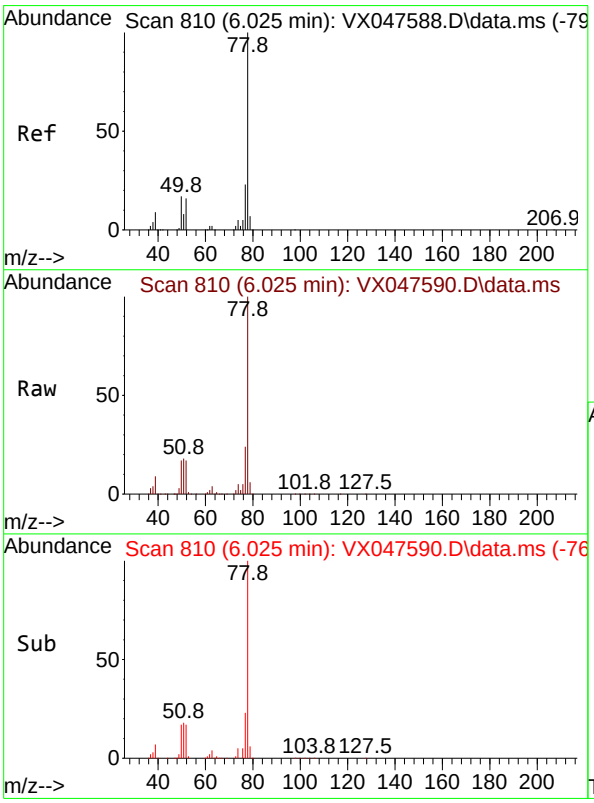
Ion	Ratio	Lower	Upper
83	100		
55	80.7	66.4	99.6
98	48.3	38.1	57.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

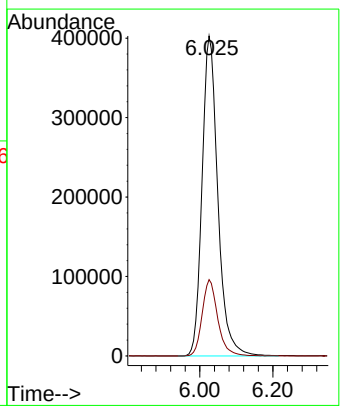


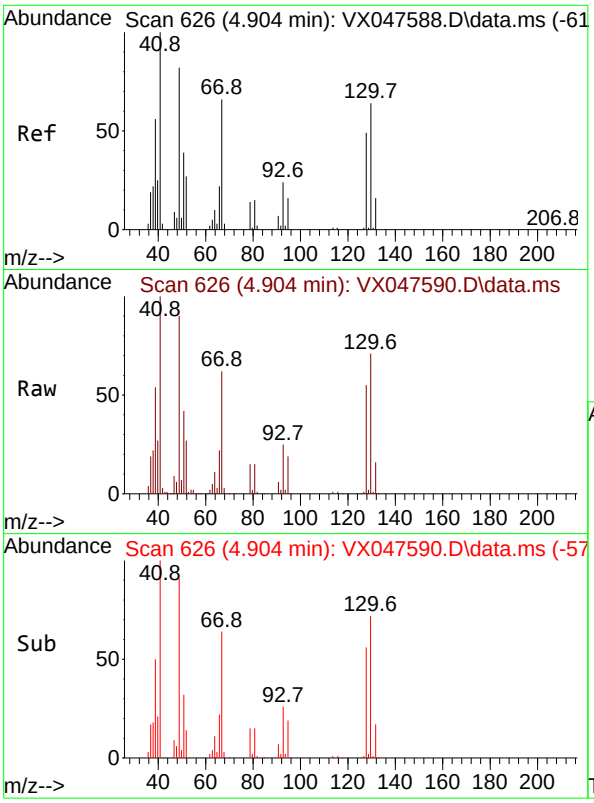


#40
Benzene
Concen: 147.057 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 78 Resp: 1202846

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2

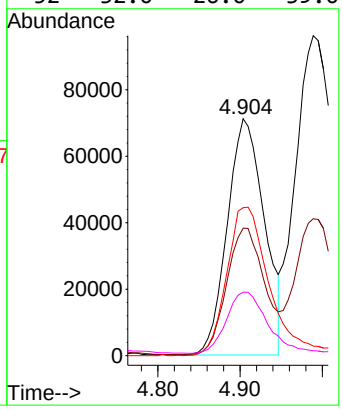




#41
Methacrylonitrile
Concen: 149.951 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 41 Resp: 22321

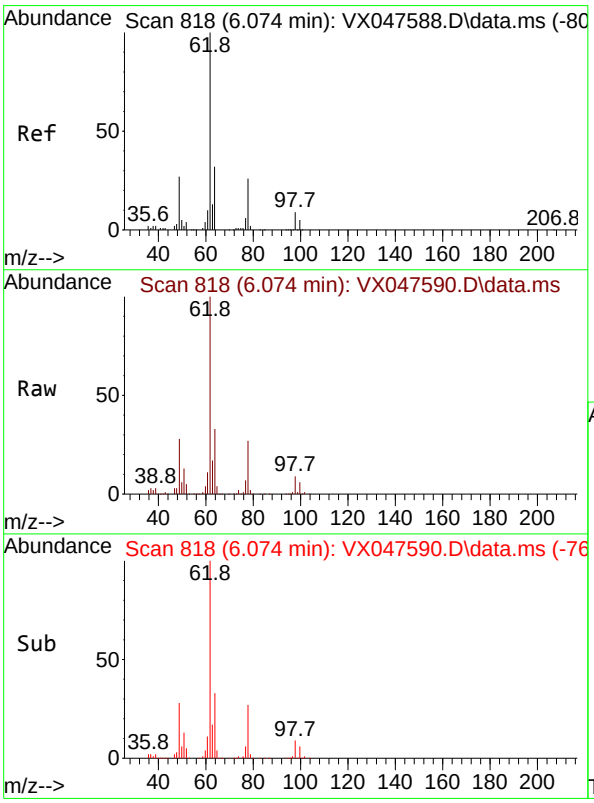
Ion	Ratio	Lower	Upper
41	100		
39	54.5	43.3	64.9
67	74.6	58.6	87.8
52	32.0	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

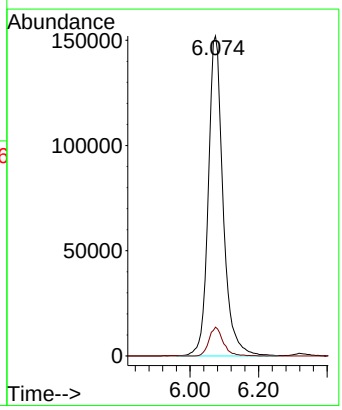
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

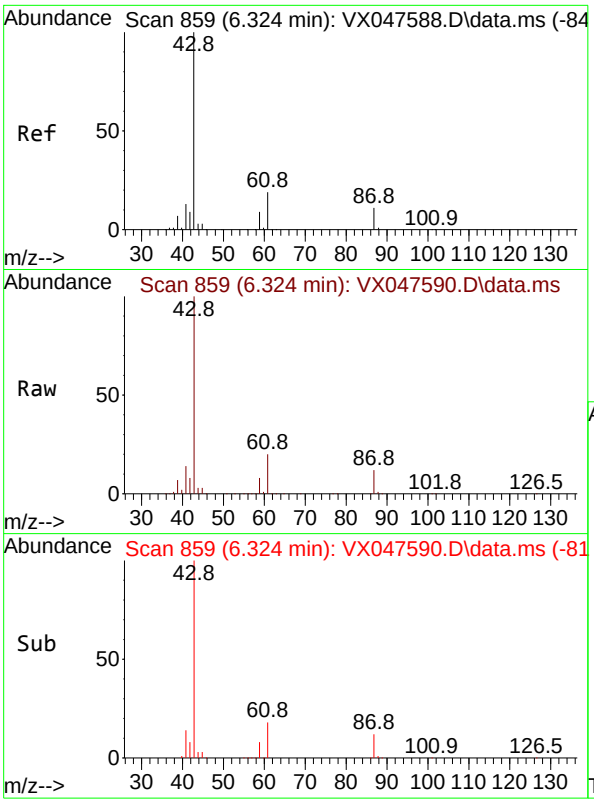


#42
1,2-Dichloroethane
Concen: 146.515 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 62 Resp: 455978

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0

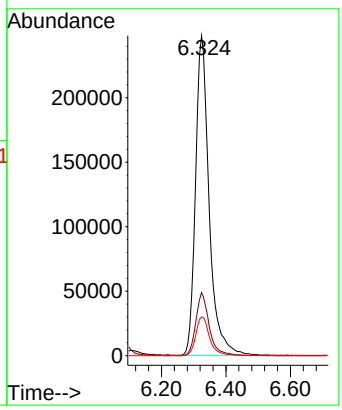




#43
Isopropyl Acetate
Concen: 153.283 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 72488

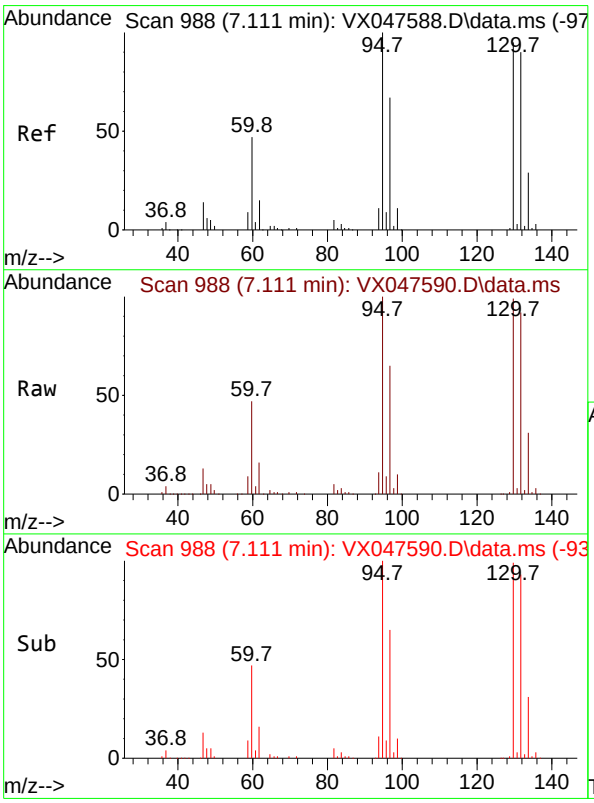
Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.2	22.8
87	12.3	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

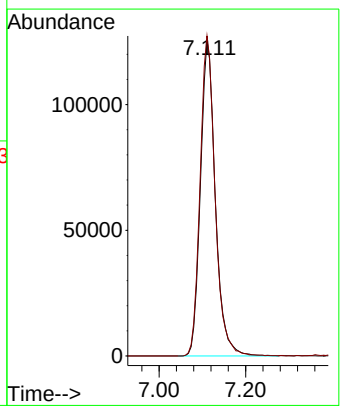
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

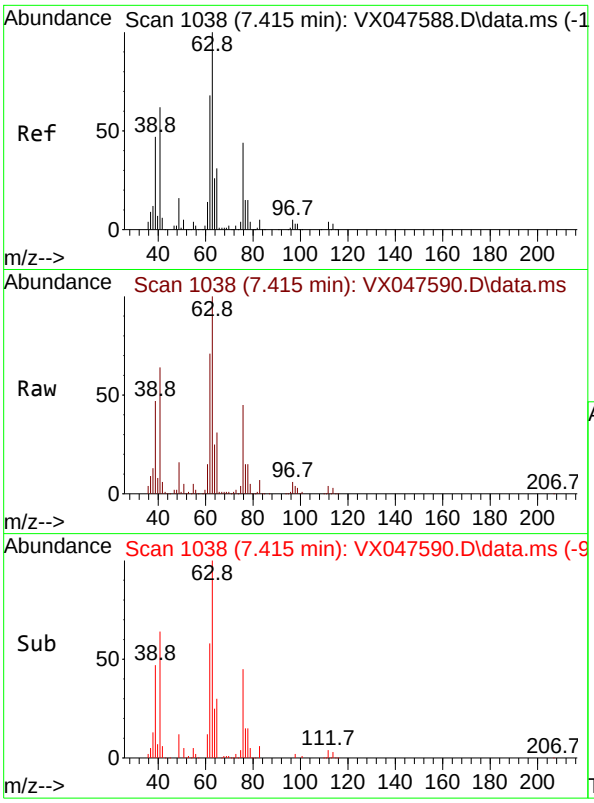


#44
Trichloroethene
Concen: 151.542 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:130 Resp: 299673

Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	210.8





#45
1,2-Dichloropropane
Concen: 151.219 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

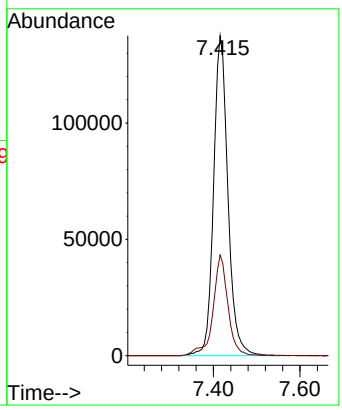
Tgt Ion: 63 Resp: 31672

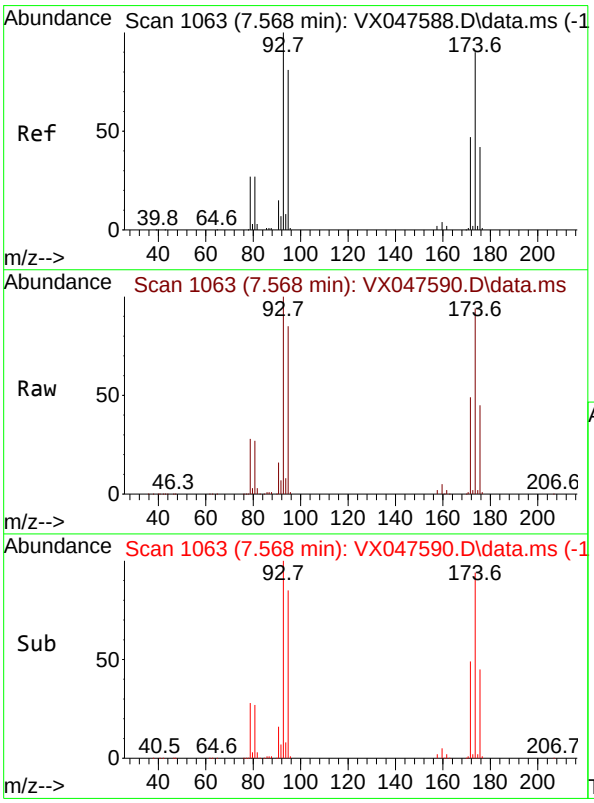
Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

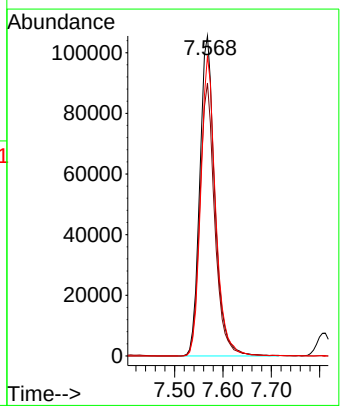


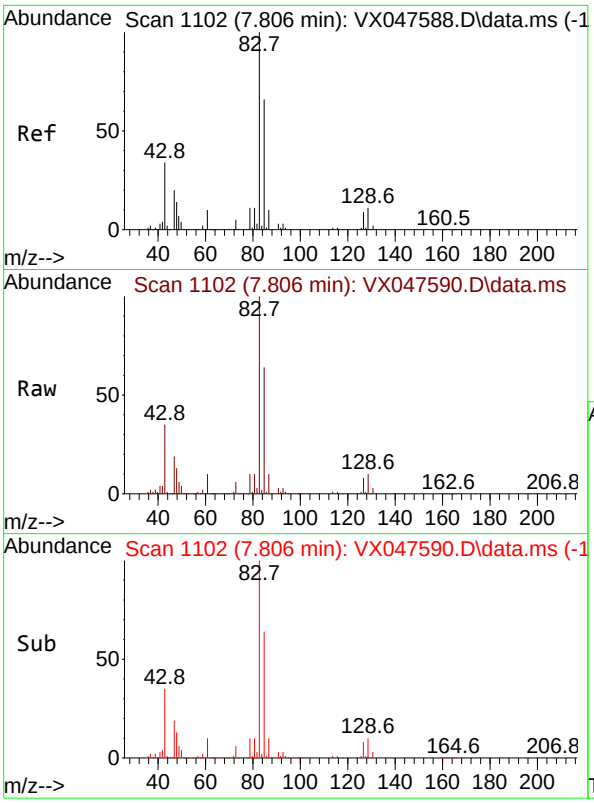


#46
Dibromomethane
Concen: 149.954 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 93 Resp: 228550

Ion	Ratio	Lower	Upper
93	100		
95	84.2	65.0	97.6
174	92.5	71.6	107.4

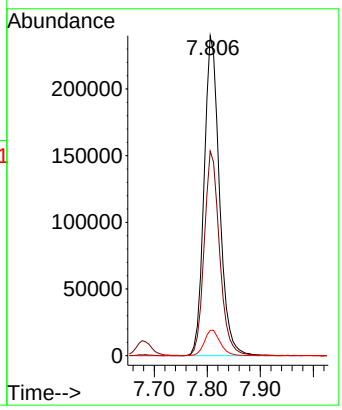




#47
Bromodichloromethane
Concen: 153.710 ug/l
RT: 7.806 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 83 Resp: 48343

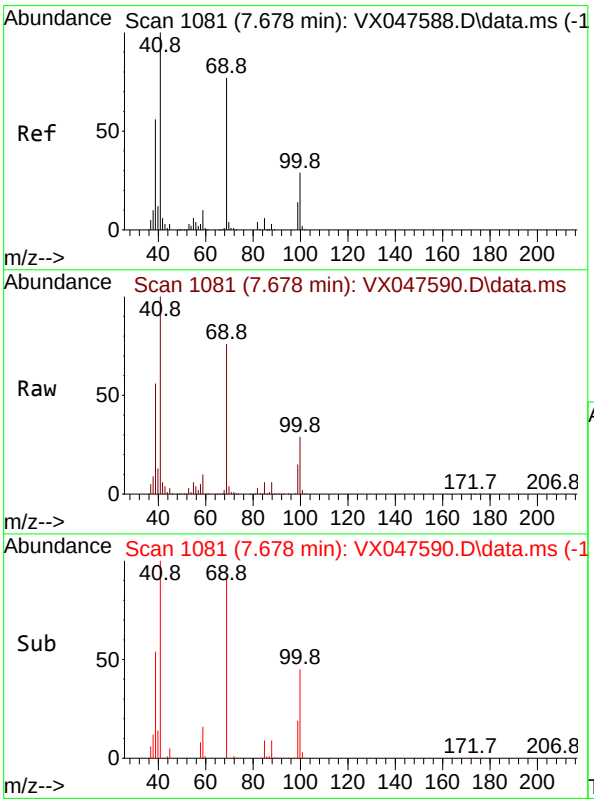
Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.5	78.7
127	7.9	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

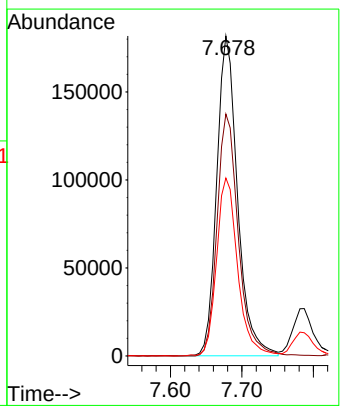
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

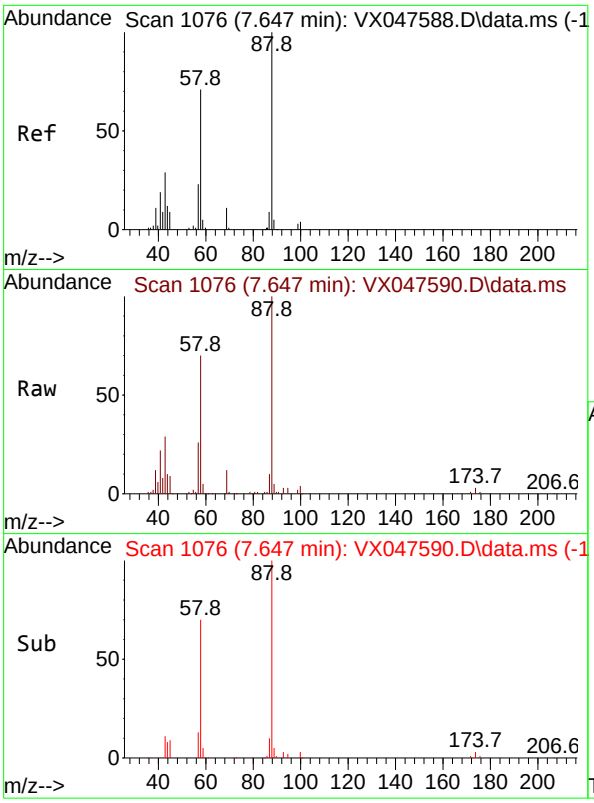


#48
Methyl methacrylate
Concen: 156.194 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 41 Resp: 367931

Ion	Ratio	Lower	Upper
41	100		
69	77.2	61.4	92.2
39	56.5	45.8	68.6

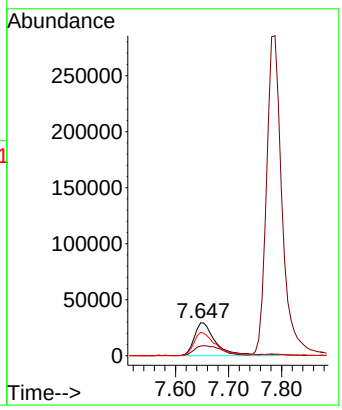




#49
1,4-Dioxane
Concen: 3475.565 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 88 Resp: 8273

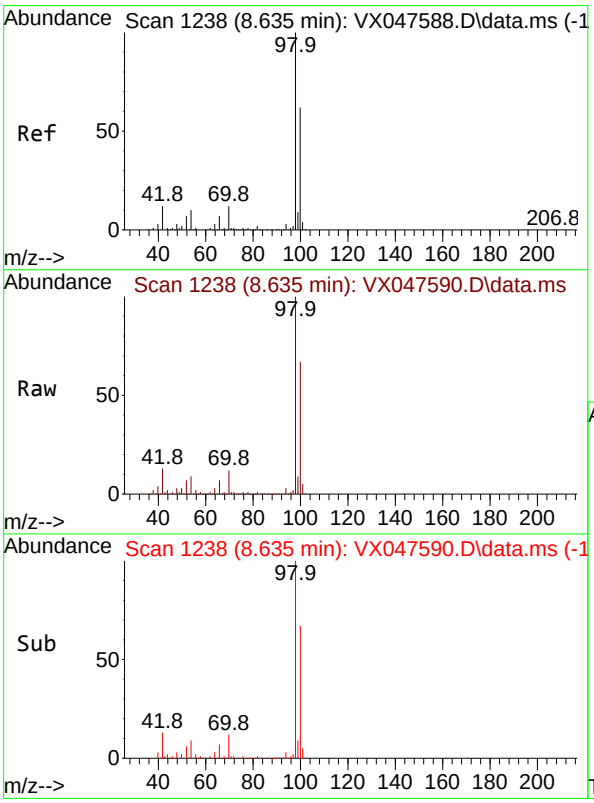
Ion	Ratio	Lower	Upper
88	100		
43	38.5	30.2	45.2
58	73.0	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

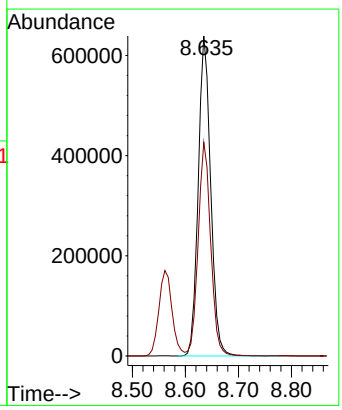
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

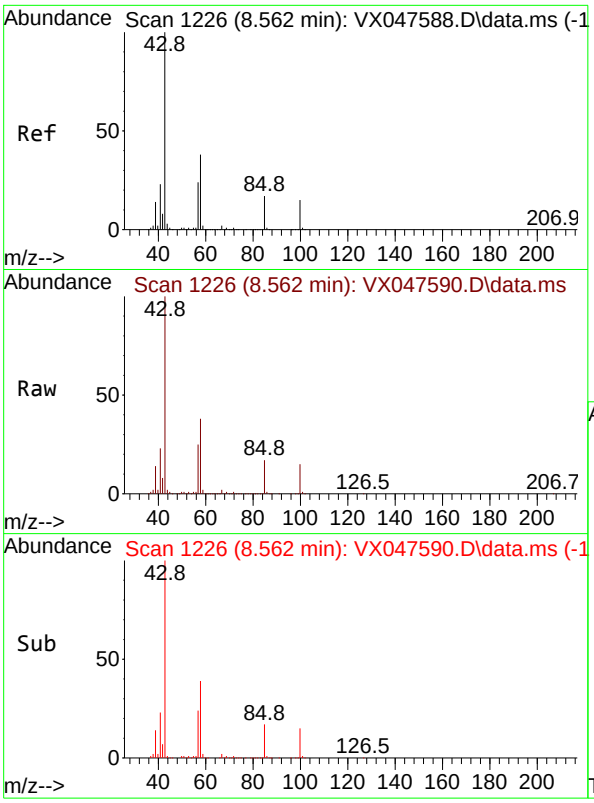


#50
Toluene-d8
Concen: 163.253 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 98 Resp: 1041079

Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.0	79.4

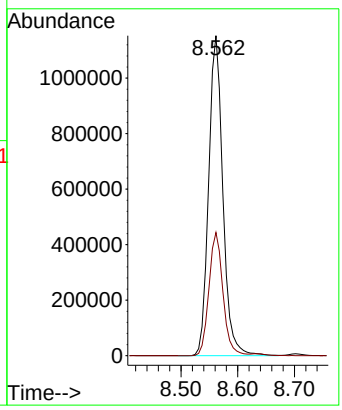




#51
4-Methyl-2-Pentanone
Concen: 765.849 ug/l
RT: 8.562 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 200806

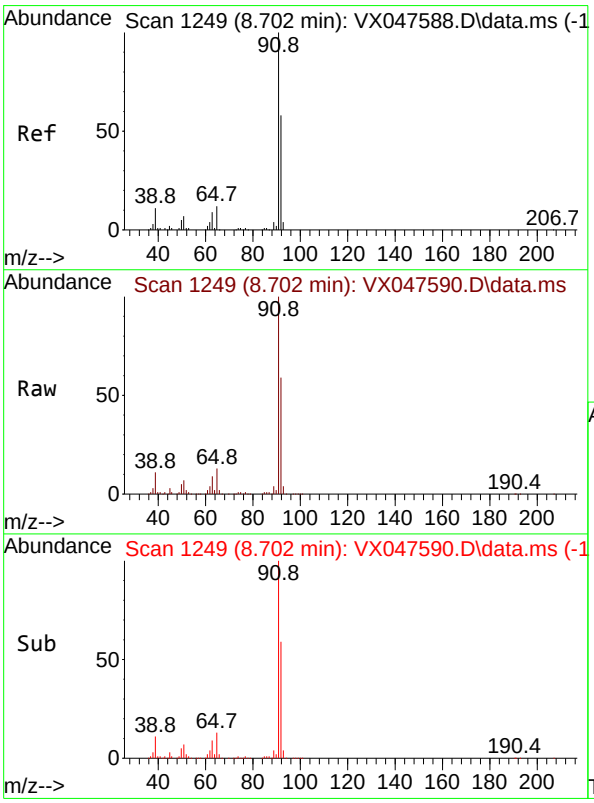
Ion	Ratio	Lower	Upper
43	100		
58	38.0	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

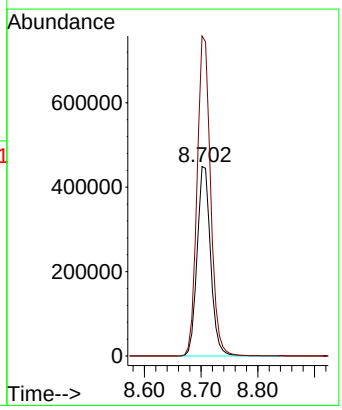
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

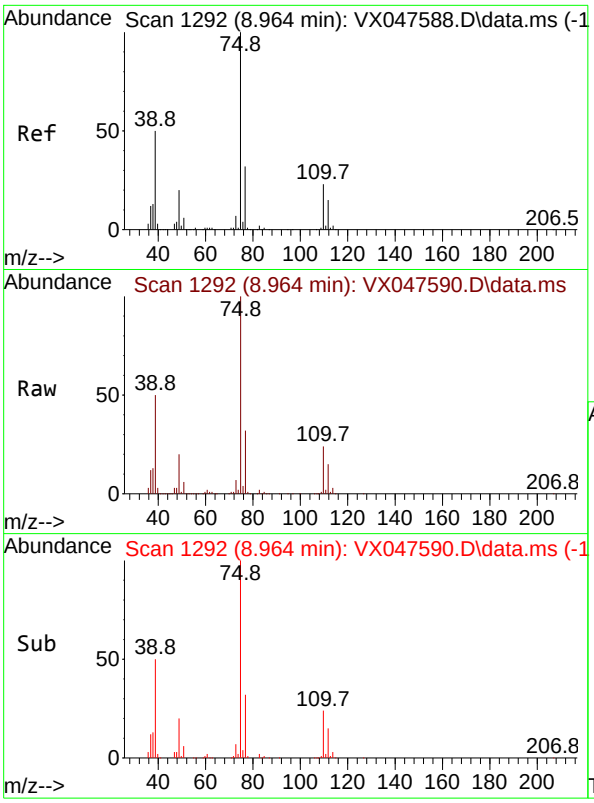


#52
Toluene
Concen: 146.712 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 92 Resp: 739332

Ion	Ratio	Lower	Upper
92	100		
91	169.5	137.1	205.7

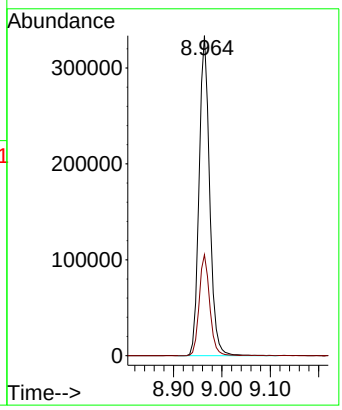




#53
t-1,3-Dichloropropene
Concen: 157.076 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 50391

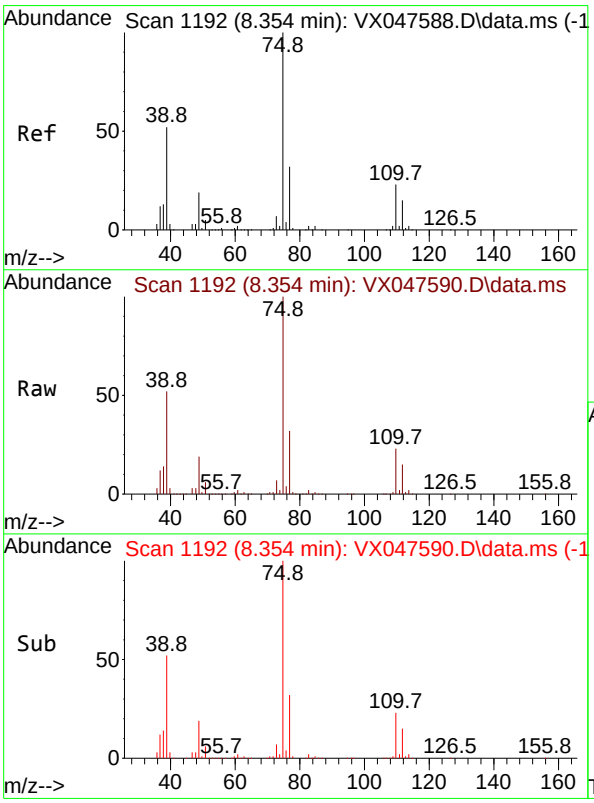
Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

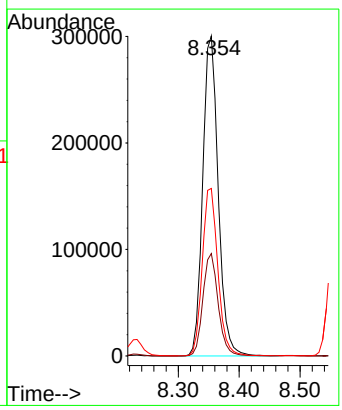
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

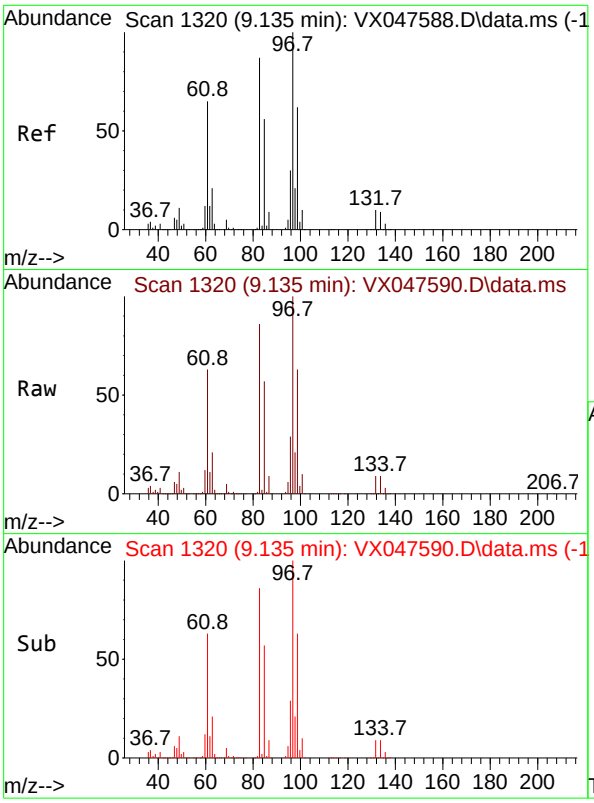


#54
cis-1,3-Dichloropropene
Concen: 154.732 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 530566

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.8	38.6
39	52.3	41.4	62.2

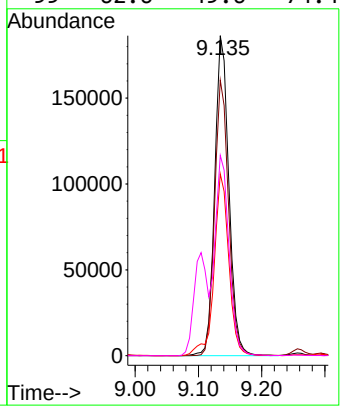




#55
1,1,2-Trichloroethane
Concen: 148.781 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 97 Resp: 28910

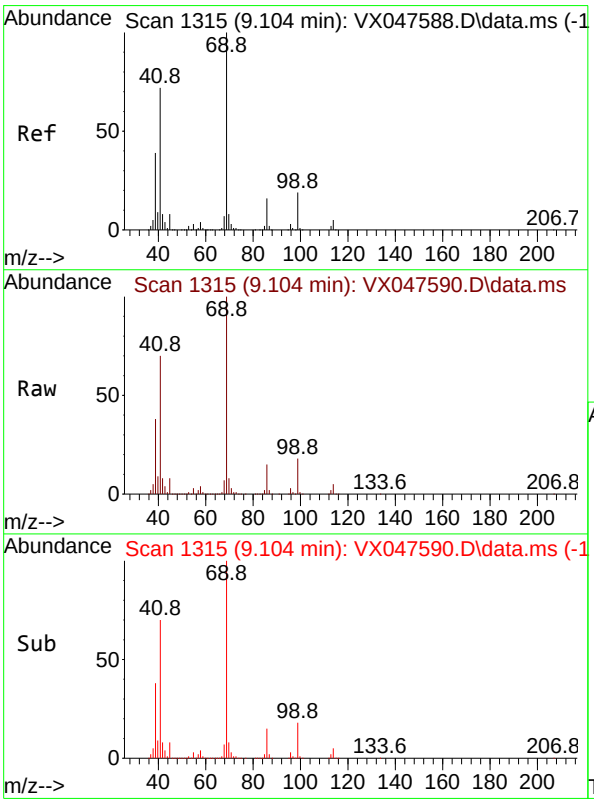
Ion	Ratio	Lower	Upper
97	100		
83	86.1	69.6	104.4
85	56.8	45.0	67.6
99	62.6	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

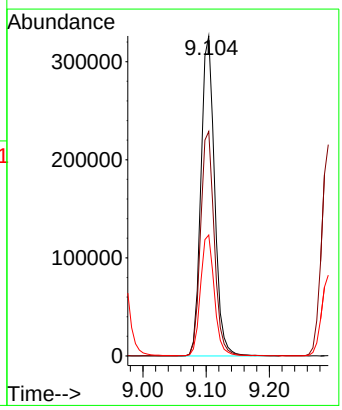
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

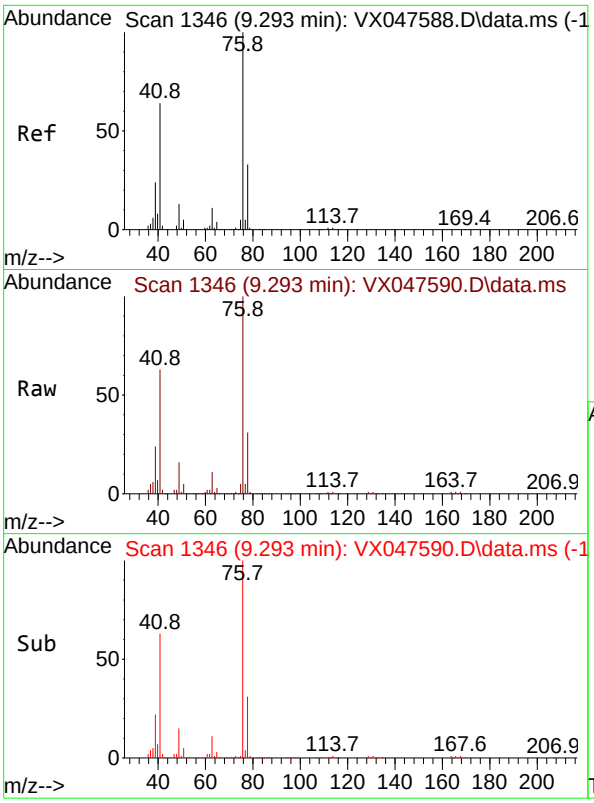


#56
Ethyl methacrylate
Concen: 160.773 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 69 Resp: 490623

Ion	Ratio	Lower	Upper
69	100		
41	70.5	58.6	87.8
39	38.2	31.5	47.3





#57
1,3-Dichloropropane
Concen: 150.426 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

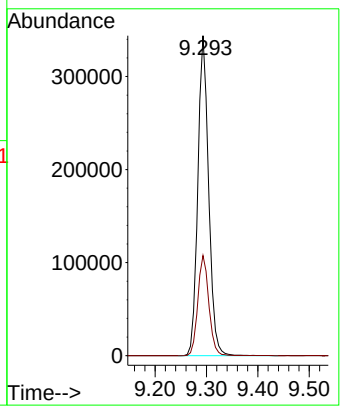
Tgt Ion: 76 Resp: 50212

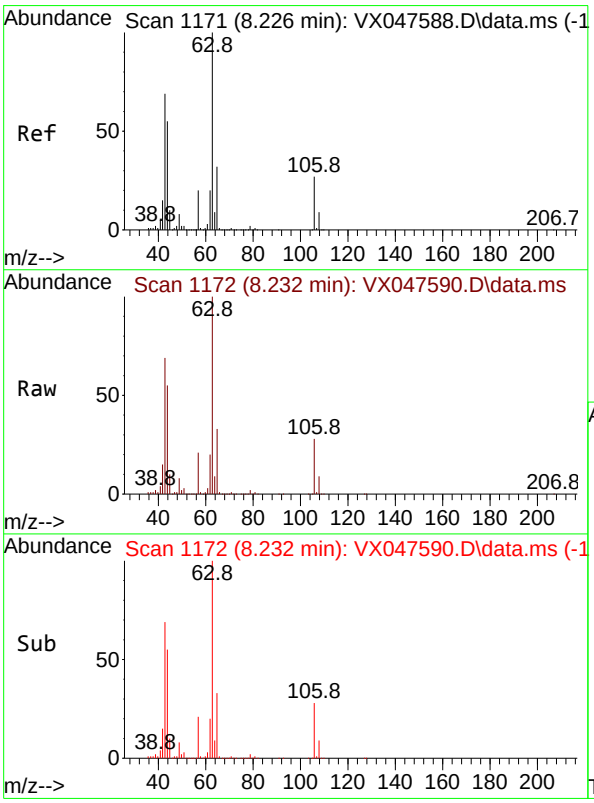
Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.2	39.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

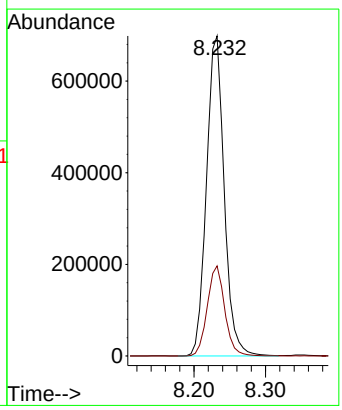


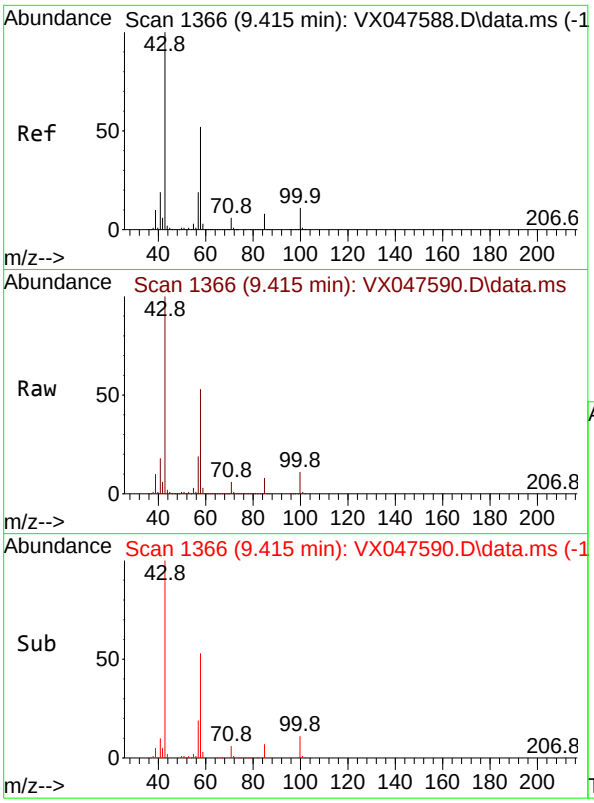


#58
2-Chloroethyl Vinyl ether
Concen: 749.661 ug/l
RT: 8.232 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 63 Resp: 1202206

Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.9	32.9

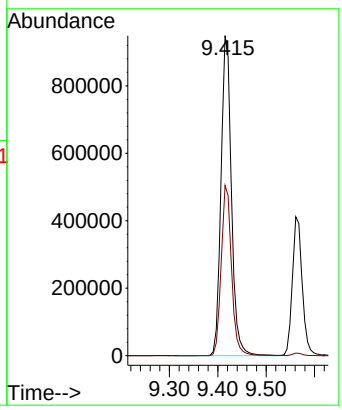




#59
2-Hexanone
Concen: 750.035 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 141241

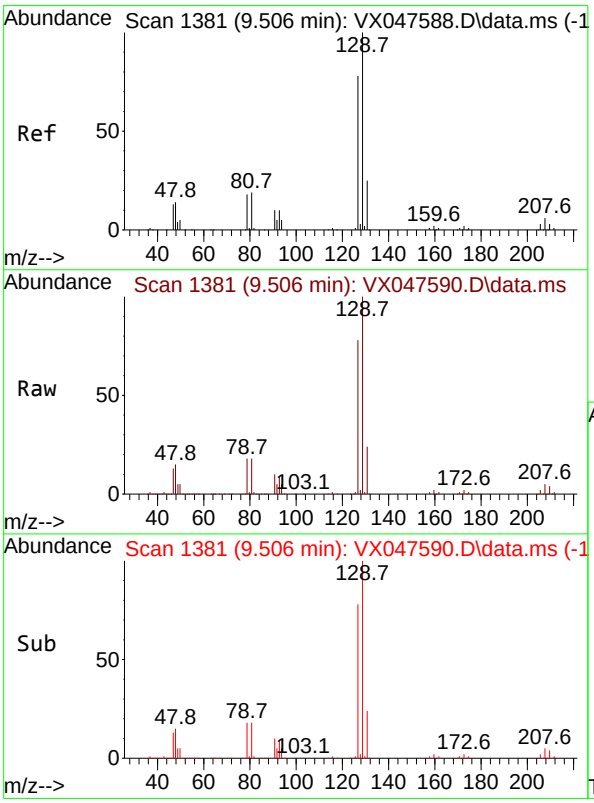
Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.1	78.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

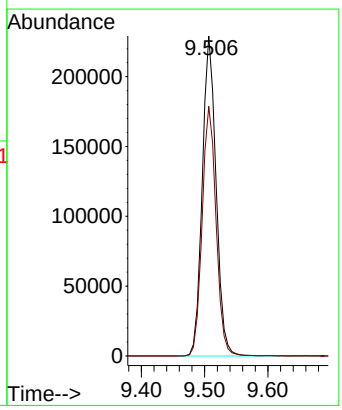
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

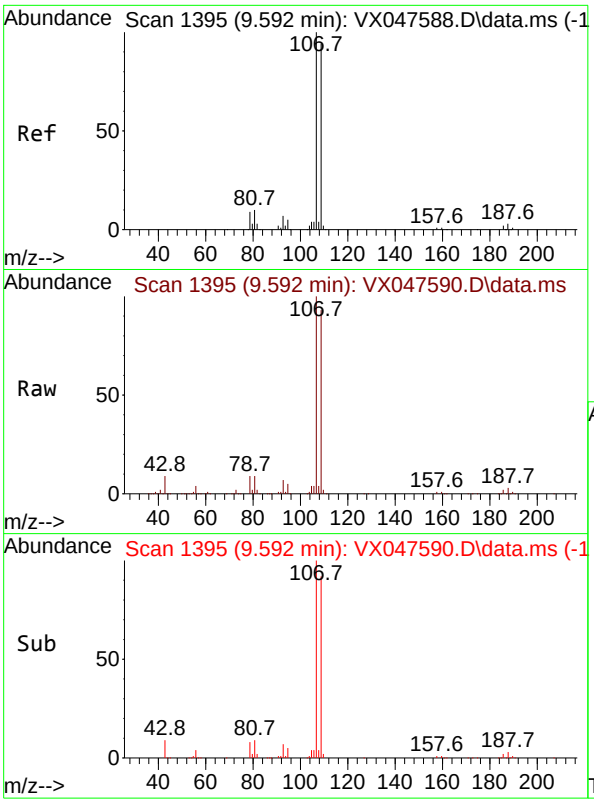


#60
Dibromochloromethane
Concen: 155.318 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:129 Resp: 347748

Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.4	115.2





#61
1,2-Dibromoethane
Concen: 152.949 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

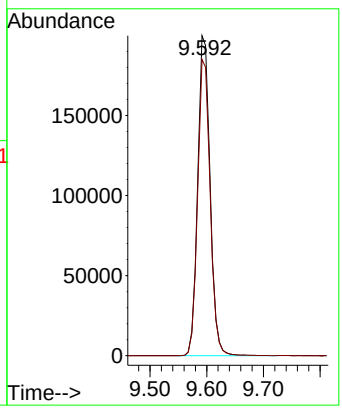
Tgt Ion:107 Resp: 30271

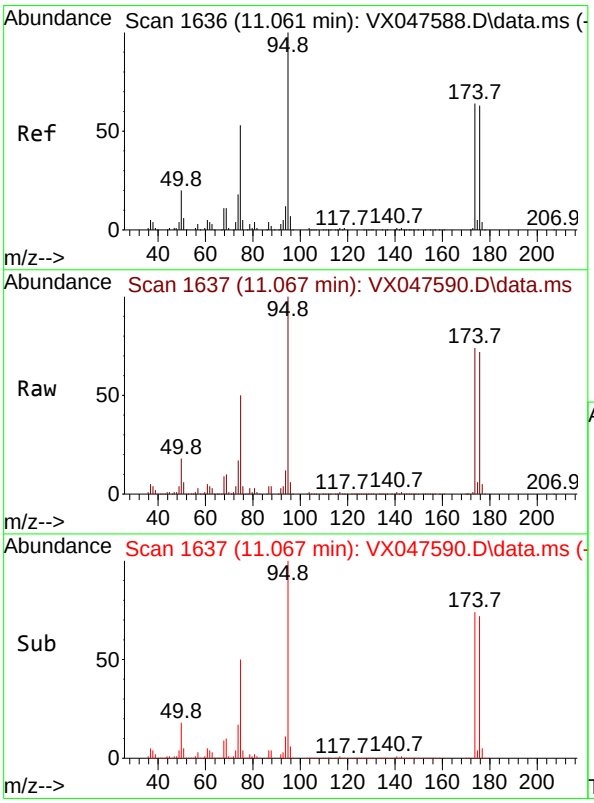
Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.3	112.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

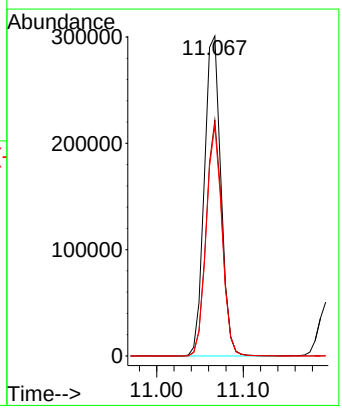


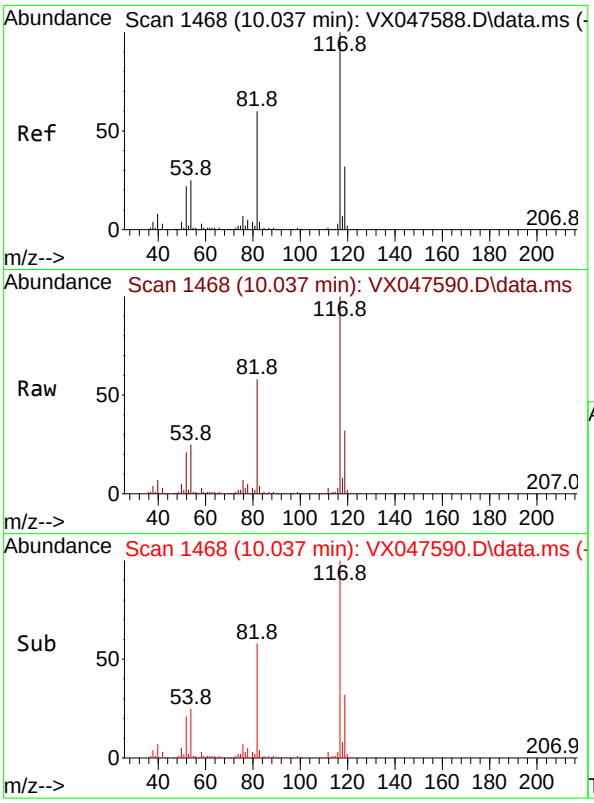


#62
4-Bromofluorobenzene
Concen: 165.020 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 95 Resp: 399386

Ion	Ratio	Lower	Upper
95	100		
174	70.7	0.0	141.6
176	68.5	0.0	138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

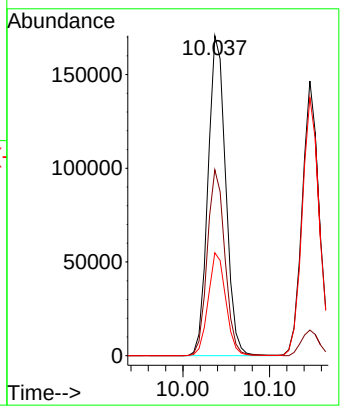
Tgt Ion:117 Resp: 24181

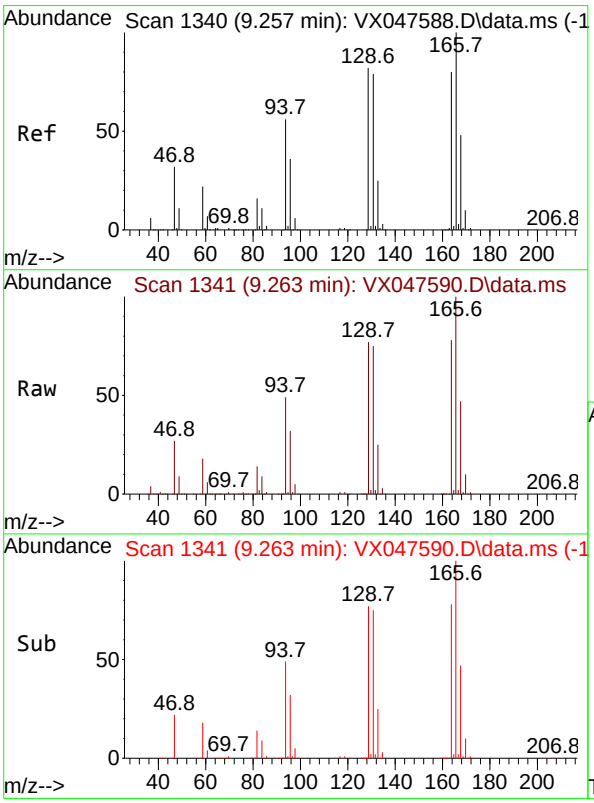
Ion	Ratio	Lower	Upper
117	100		
82	58.1	47.8	71.6
119	32.2	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

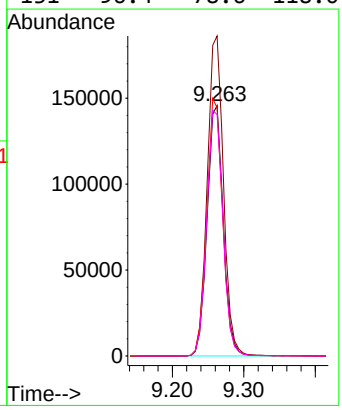


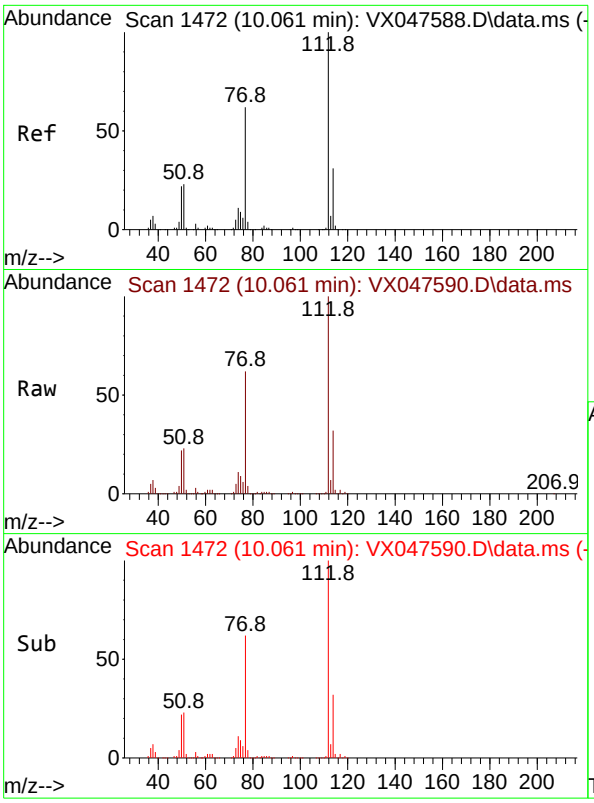


#64
Tetrachloroethene
Concen: 144.590 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:164 Resp: 227931

Ion	Ratio	Lower	Upper
164	100		
166	127.8	100.2	150.2
129	99.0	81.8	122.6
131	96.4	78.6	118.0

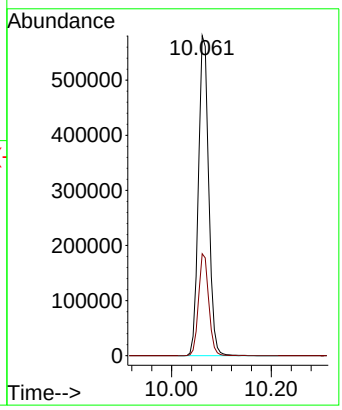




#65
Chlorobenzene
Concen: 150.763 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:112 Resp: 82823

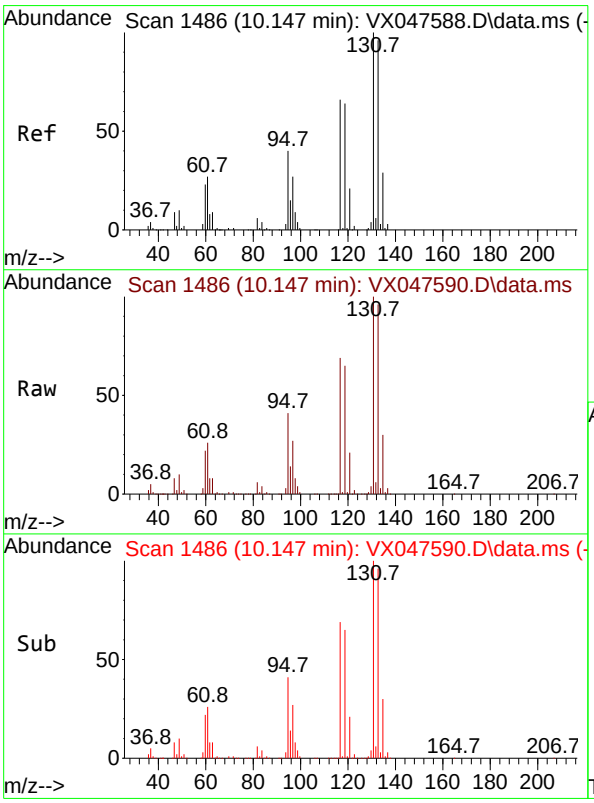
Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

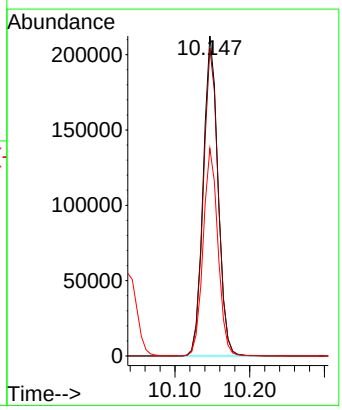
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

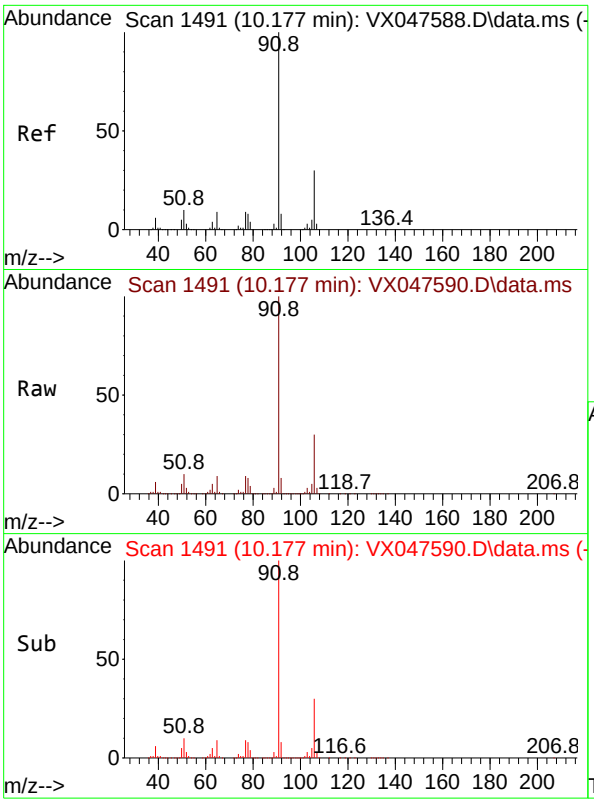


#66
1,1,1,2-Tetrachloroethane
Concen: 153.733 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:131 Resp: 291433

Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.3	142.0
119	64.8	32.0	96.0





#67
Ethyl Benzene
Concen: 151.026 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

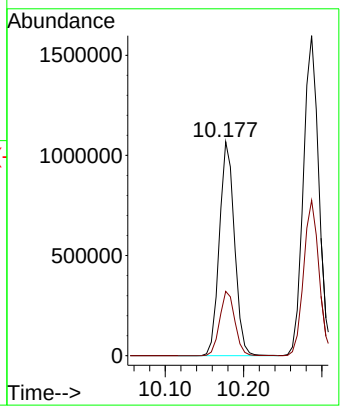
Tgt Ion: 91 Resp: 143155

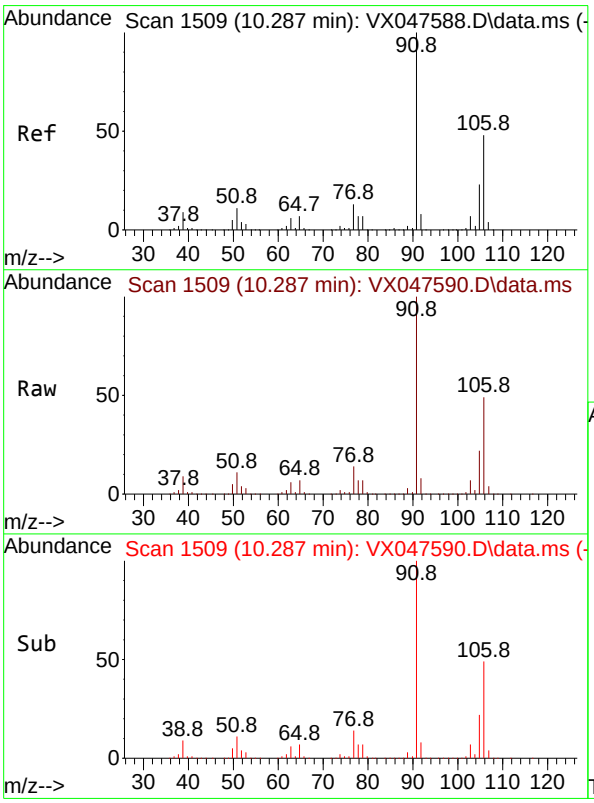
Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.3	36.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

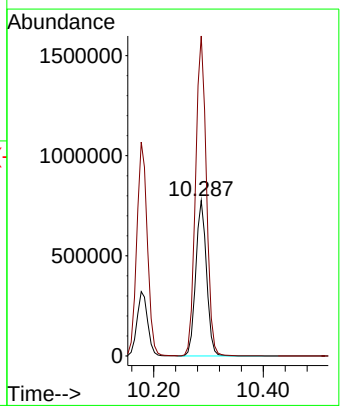


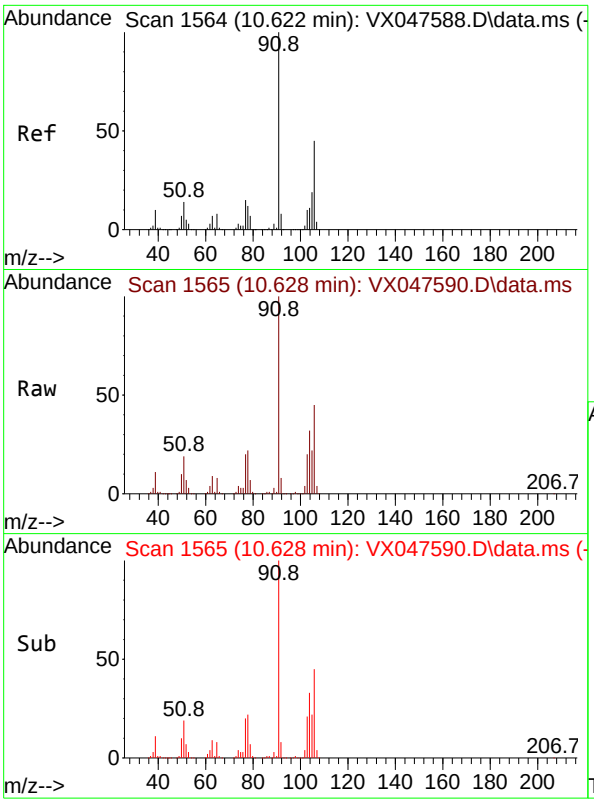


#68
m/p-Xylenes
Concen: 300.381 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:106 Resp: 1059776

Ion	Ratio	Lower	Upper
106	100		
91	208.0	167.8	251.8





#69
o-Xylene
Concen: 152.920 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

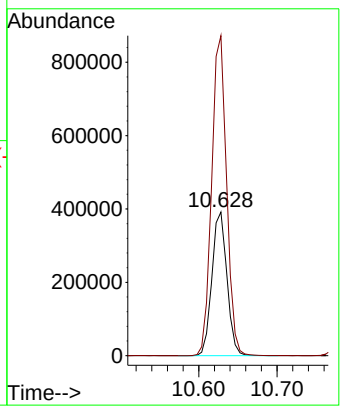
Tgt Ion:106 Resp: 52184

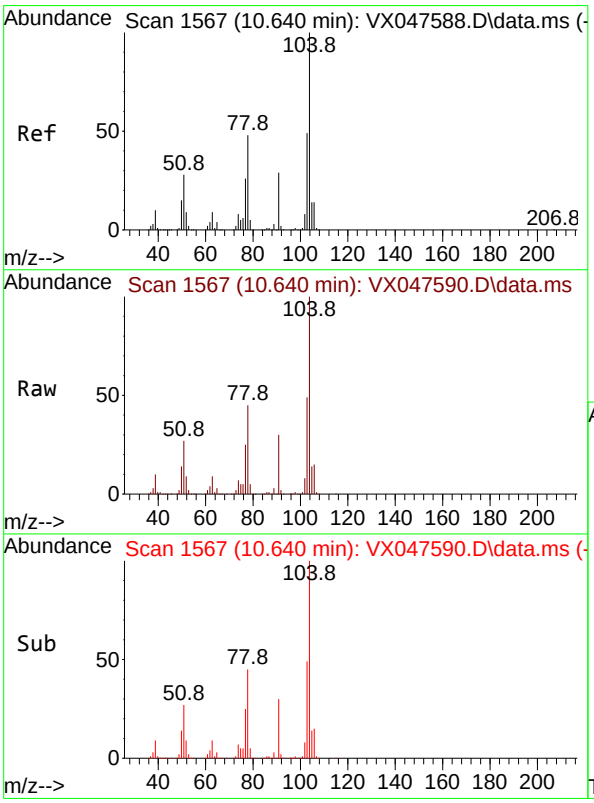
Ion	Ratio	Lower	Upper
106	100		
91	220.7	111.1	333.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

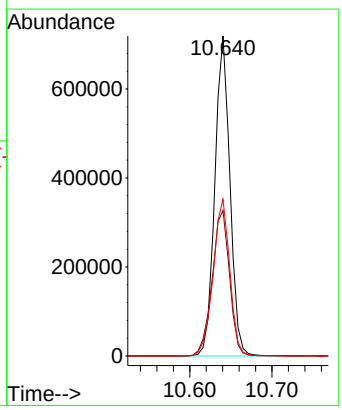


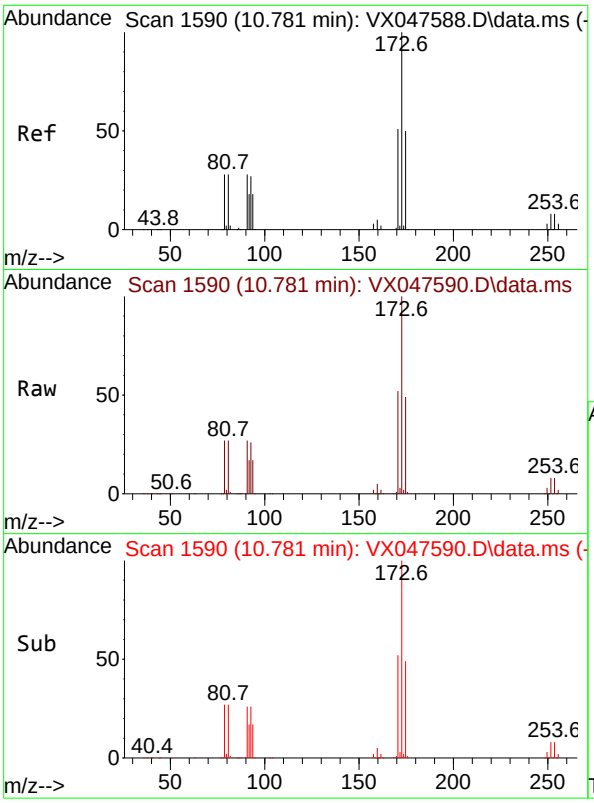


#70
Styrene
Concen: 153.449 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:104 Resp: 917532

Ion	Ratio	Lower	Upper
104	100		
78	52.4	43.1	64.7
103	54.0	43.1	64.7

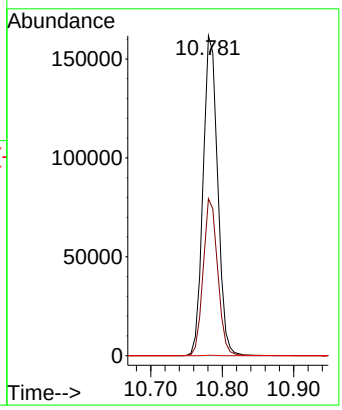




#71
Bromoform
Concen: 162.262 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:173 Resp: 22968

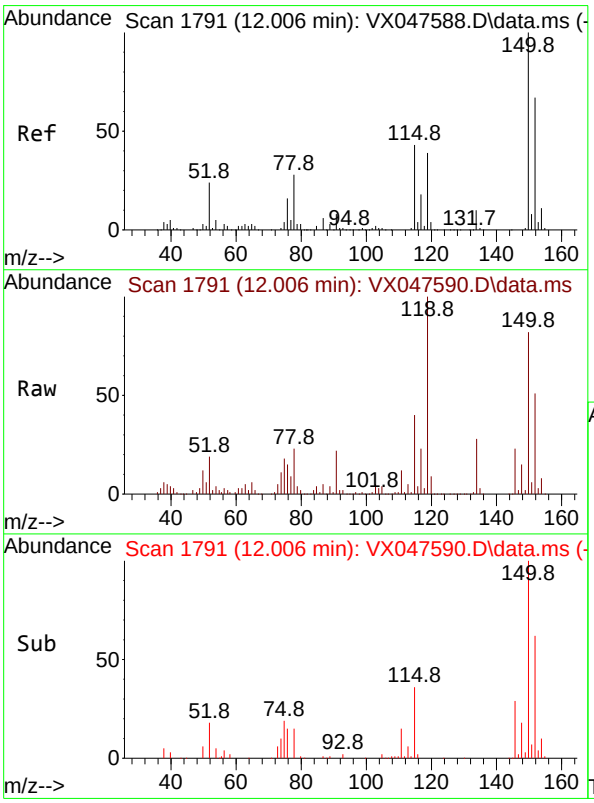
Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.9	74.6
254	0.1	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

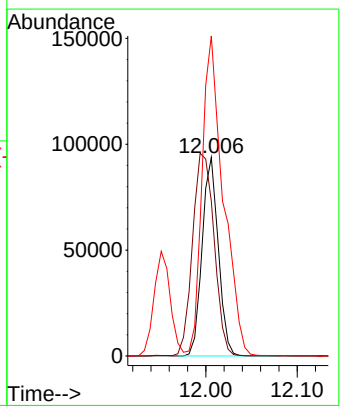
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

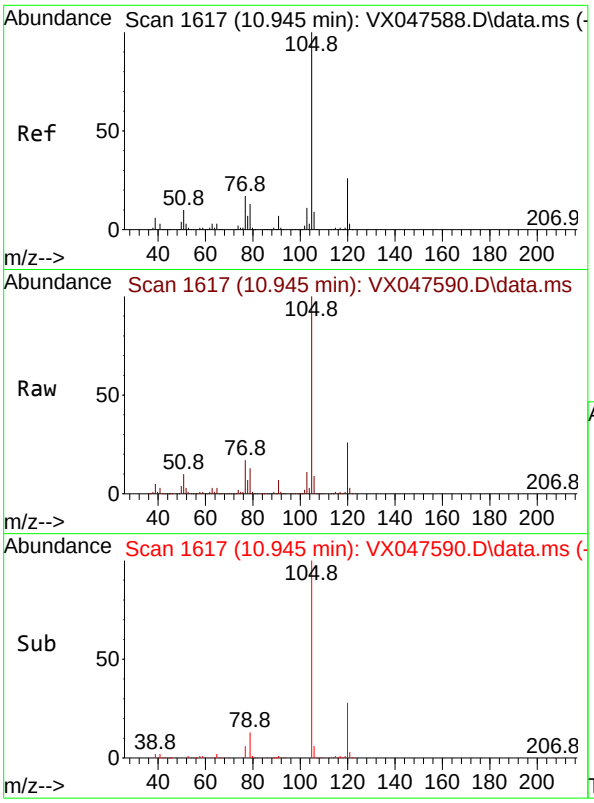


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:152 Resp: 114743

Ion	Ratio	Lower	Upper
152	100		
115	136.9	44.9	134.5#
150	212.9	0.0	352.0

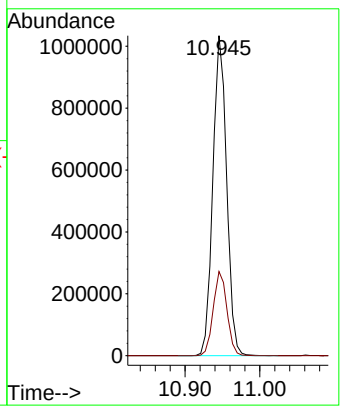




#73
Isopropylbenzene
Concen: 151.477 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:105 Resp: 132140

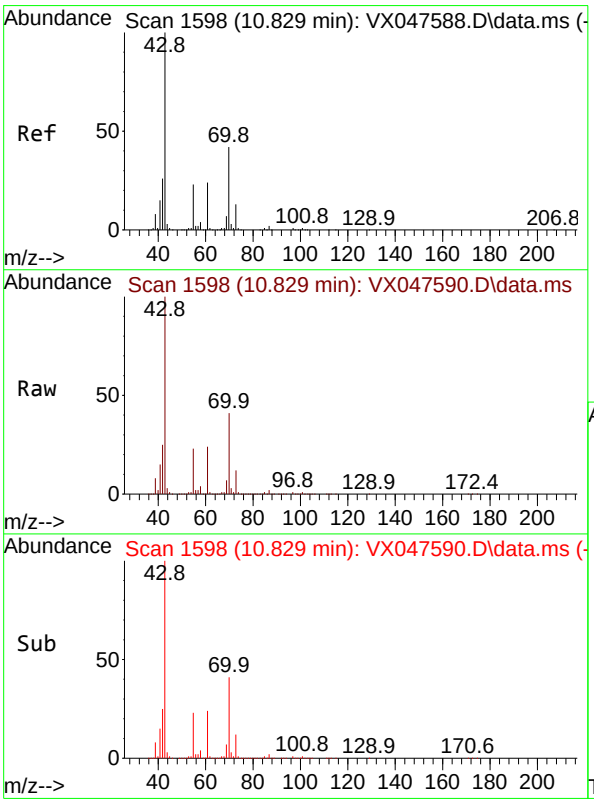
Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

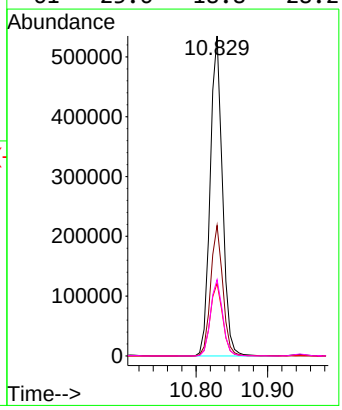
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

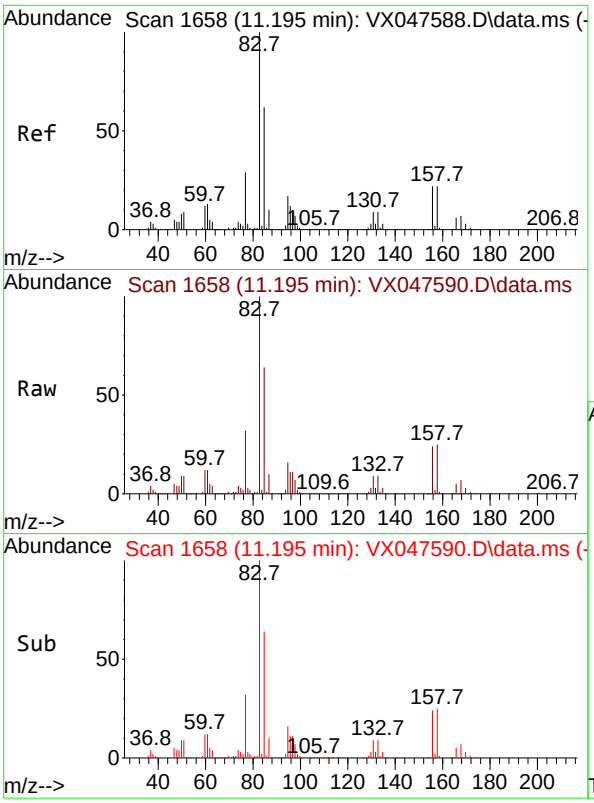


#74
N-amyl acetate
Concen: 160.099 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 636879

Ion	Ratio	Lower	Upper
43	100		
70	40.4	32.0	48.0
55	22.9	18.9	28.3
61	23.6	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 153.035 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

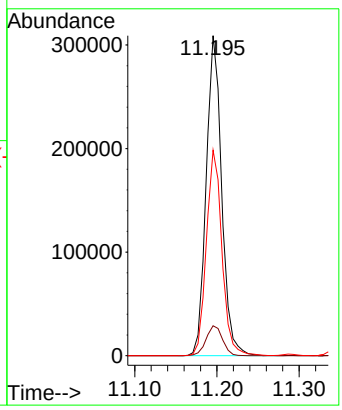
Tgt Ion: 83 Resp: 40390

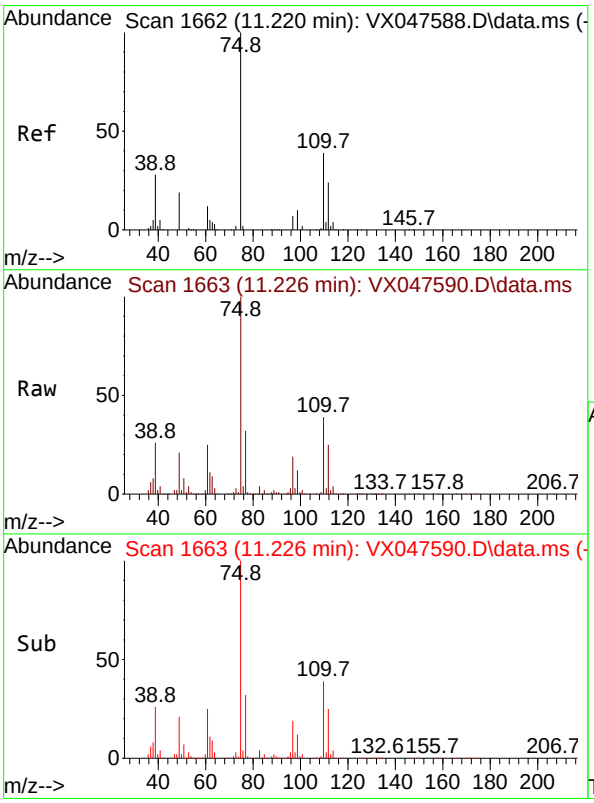
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	64.6	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

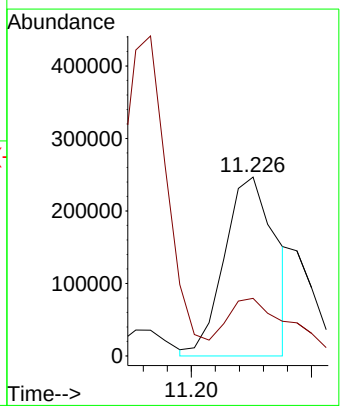


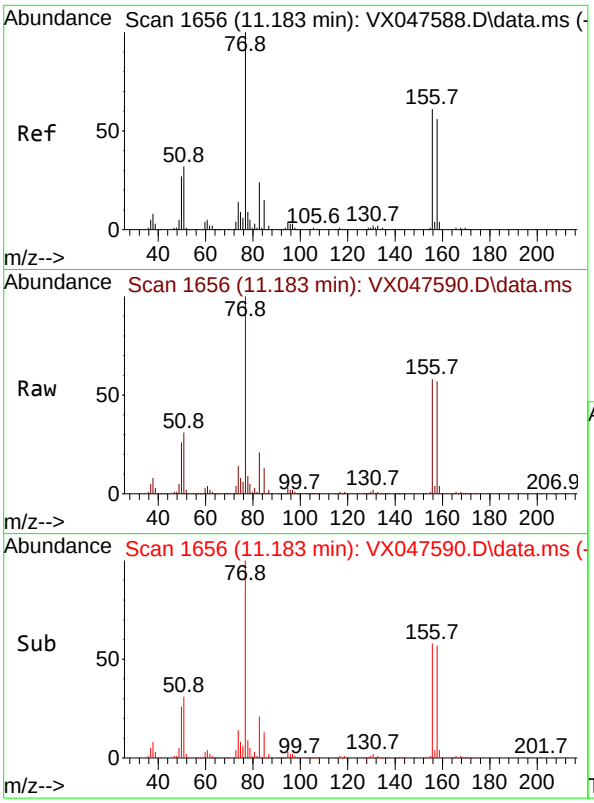


#76
1,2,3-Trichloropropane
Concen: 153.692 ug/l m
RT: 11.226 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 366171

Ion	Ratio	Lower	Upper
75	100		
77	39.7	18.8	56.4

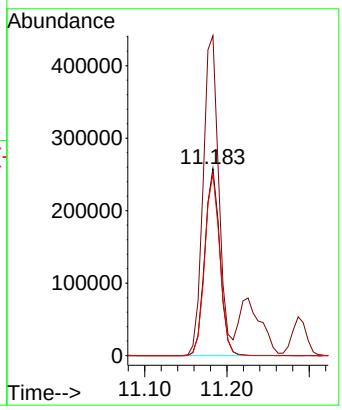




#77
Bromobenzene
Concen: 152.818 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:156 Resp: 32833

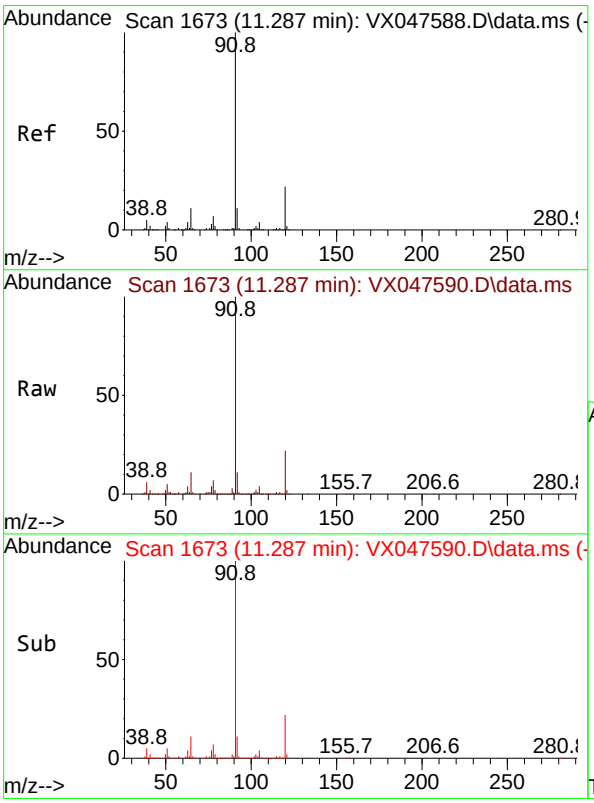
Ion	Ratio	Lower	Upper
156	100		
77	178.2	89.7	269.1
158	97.5	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

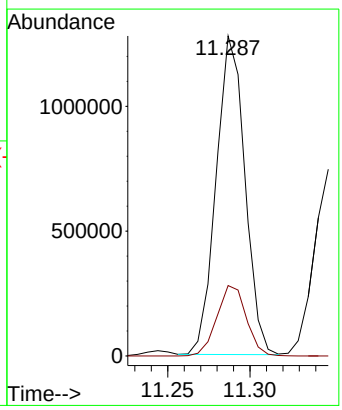
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

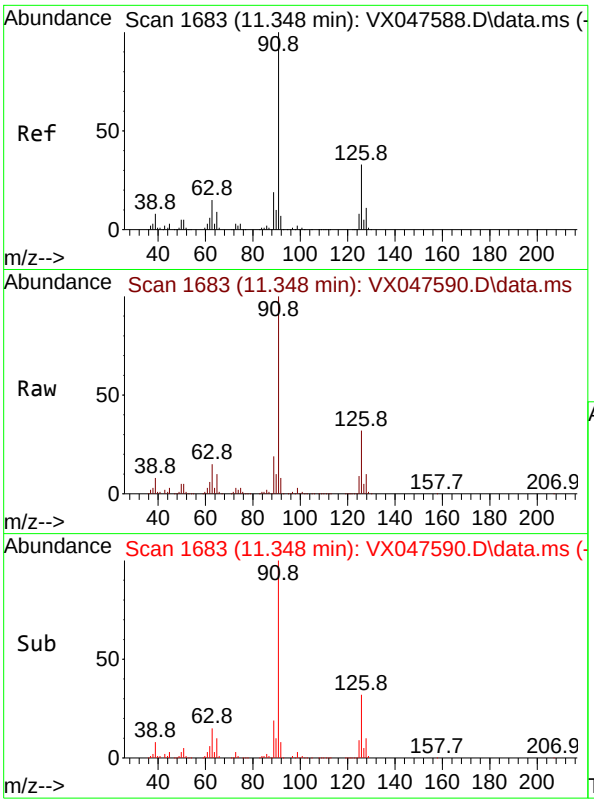


#78
n-propylbenzene
Concen: 150.337 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 1550316

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.1	33.1

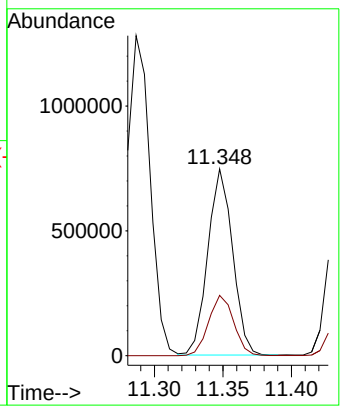




#79
2-Chlorotoluene
Concen: 148.781 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 93970

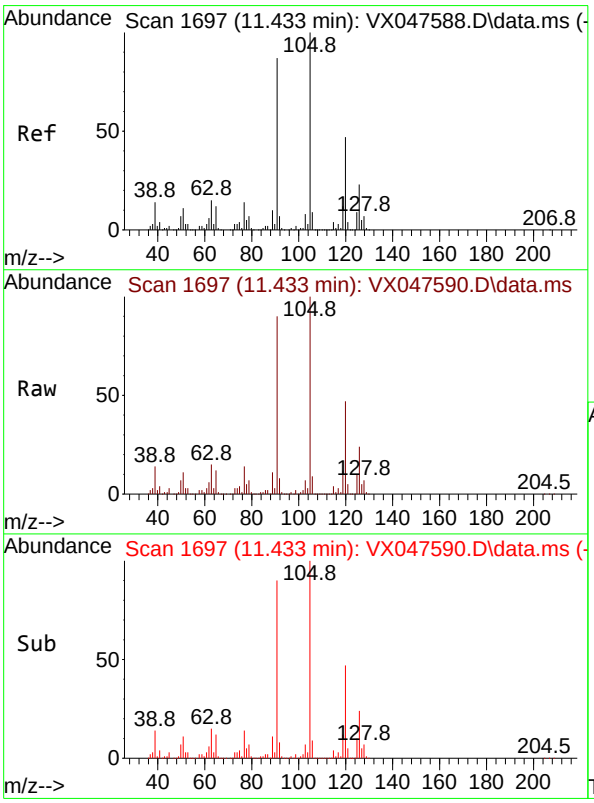
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

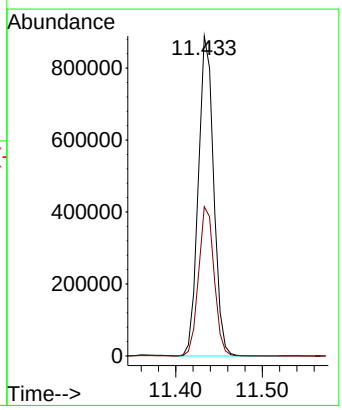
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

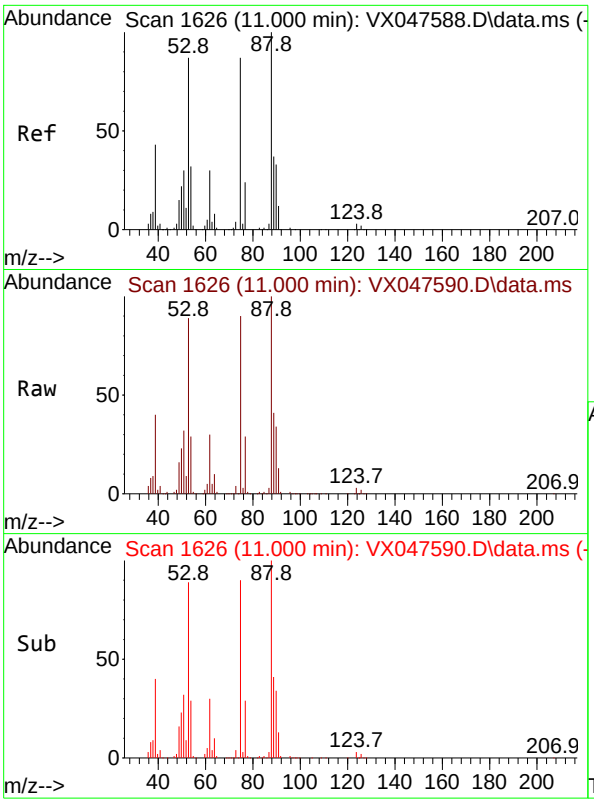


#80
1,3,5-Trimethylbenzene
Concen: 152.306 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:105 Resp: 1091593

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 160.176 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

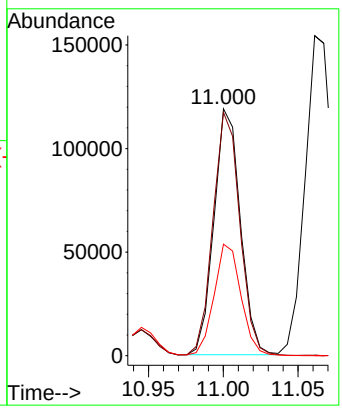
Tgt Ion: 75 Resp: 14592

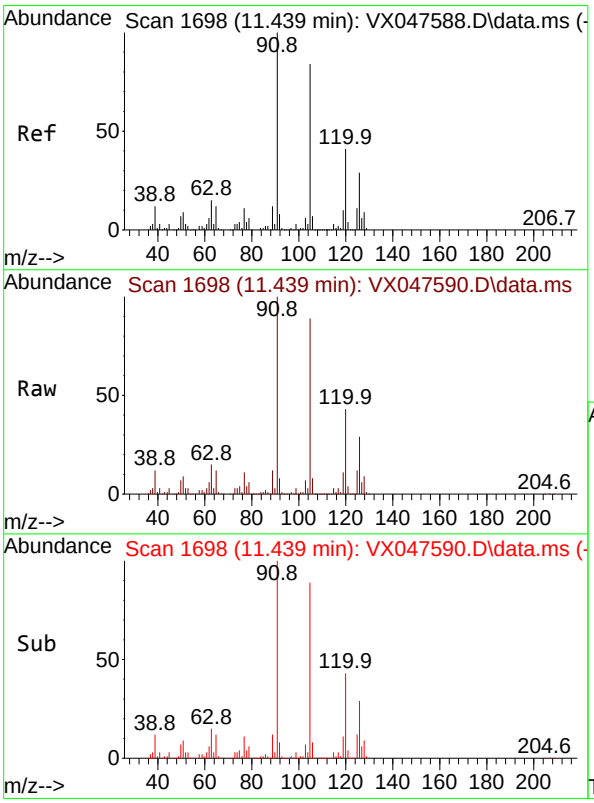
Ion	Ratio	Lower	Upper
75	100		
53	100.8	83.4	125.2
89	46.3	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

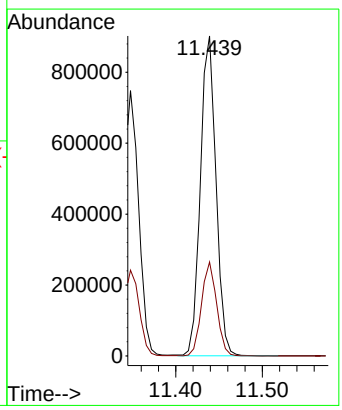


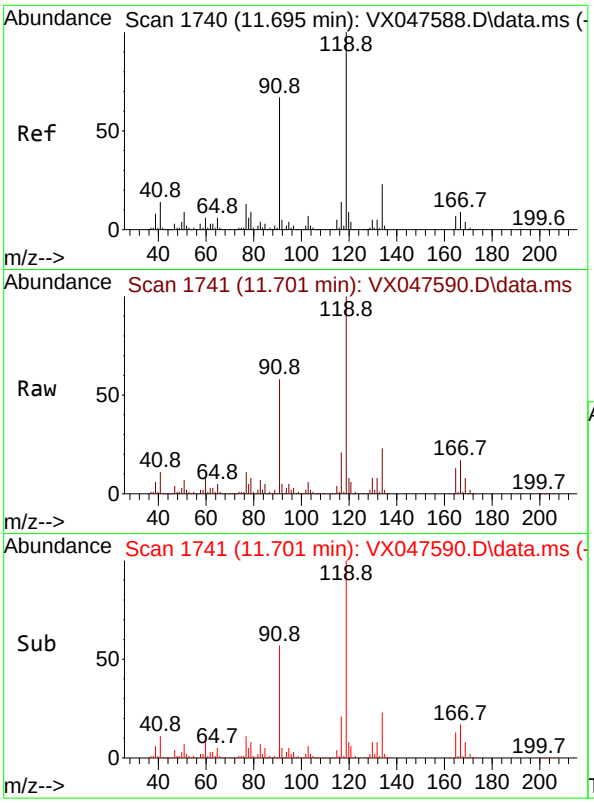


#82
4-Chlorotoluene
Concen: 151.112 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 1127233

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.2	42.6

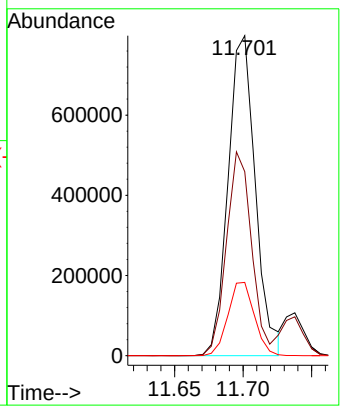




#83
tert-Butylbenzene
Concen: 150.819 ug/l
RT: 11.701 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:119 Resp: 110653

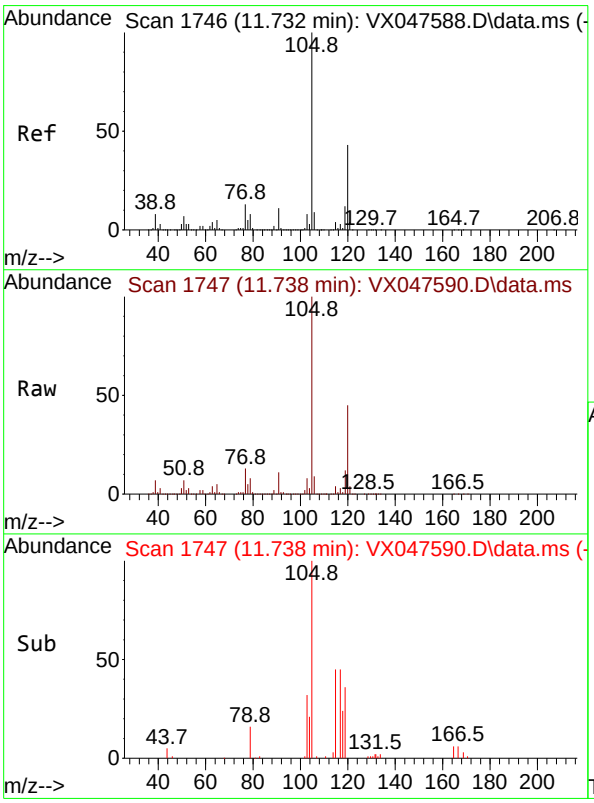
Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.6	88.8
134	22.3	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

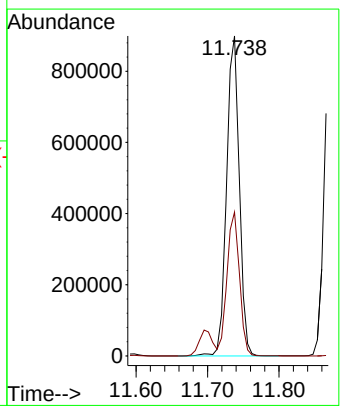
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

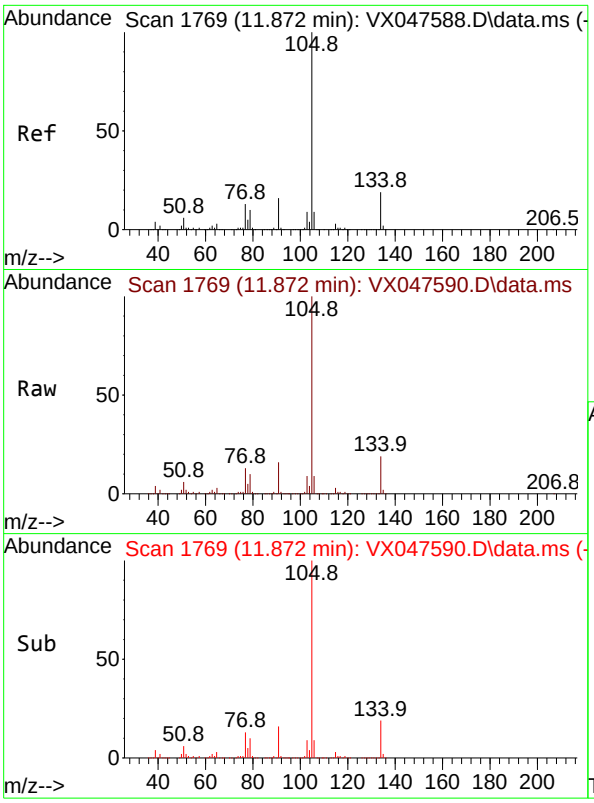


#84
1,2,4-Trimethylbenzene
Concen: 152.336 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:105 Resp: 1106914

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.1

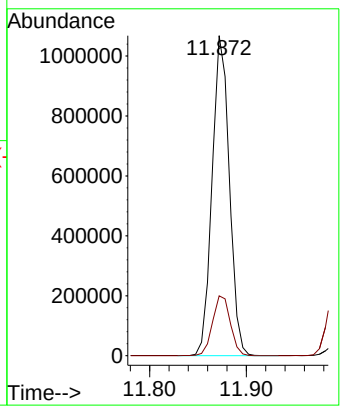




#85
sec-Butylbenzene
Concen: 151.448 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:105 Resp: 131981

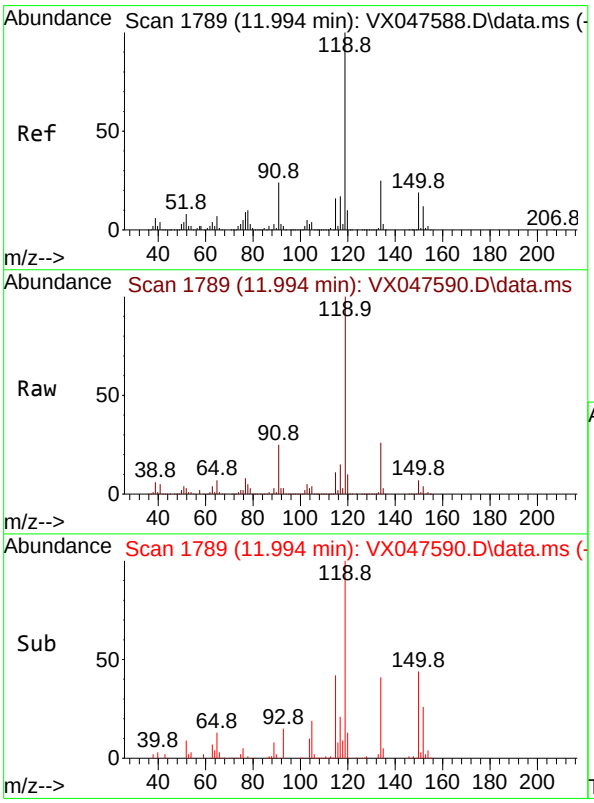
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

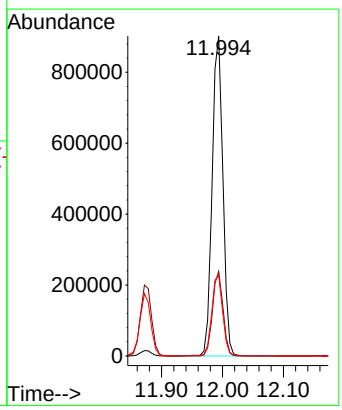
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

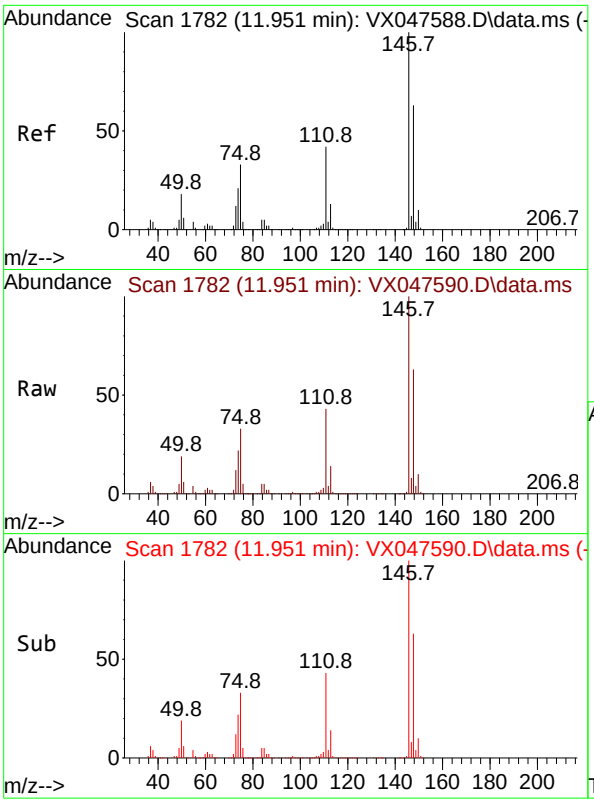


#86
p-Isopropyltoluene
Concen: 149.530 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:119 Resp: 1103210

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	25.3	12.6	37.6





#87
1,3-Dichlorobenzene
Concen: 151.633 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

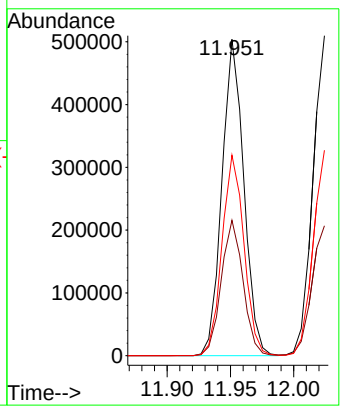
Tgt Ion:146 Resp: 60512

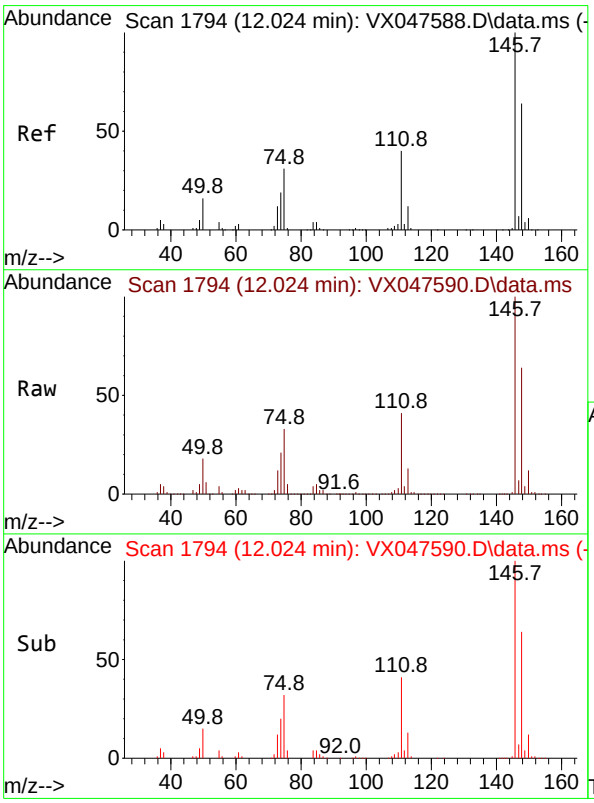
Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.5	64.5
148	63.8	32.0	96.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

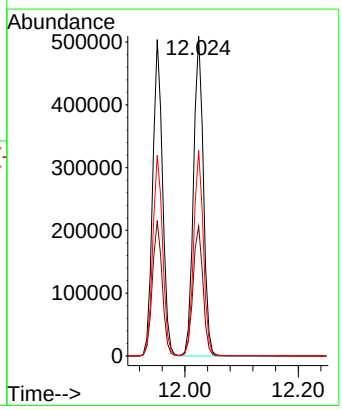


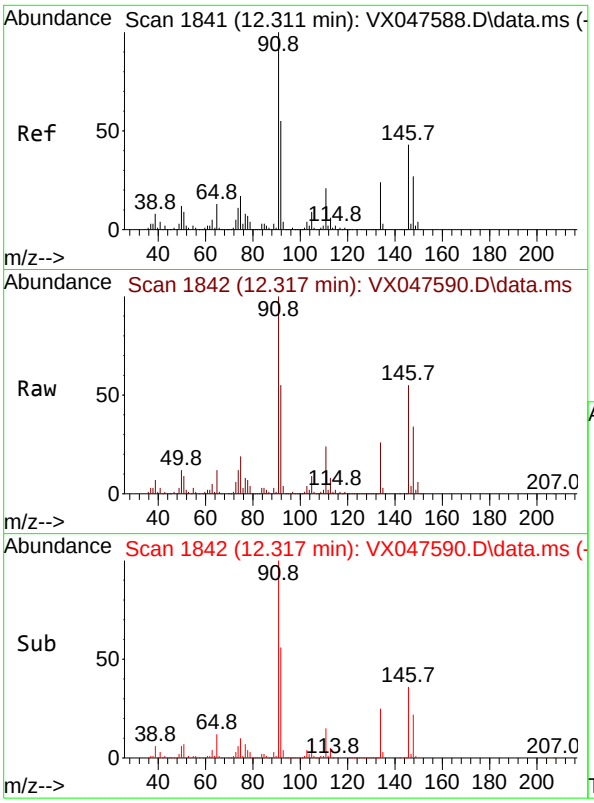


#88
1,4-Dichlorobenzene
Concen: 149.814 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:146 Resp: 613617

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.4
148	63.2	31.7	95.1





#89
n-Butylbenzene
Concen: 151.222 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

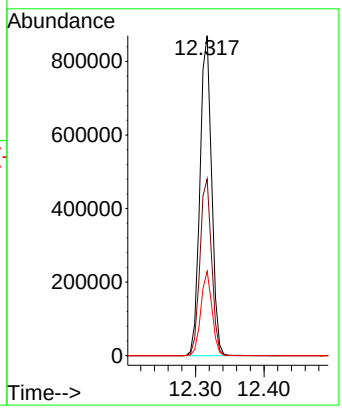
Tgt Ion: 91 Resp: 103235

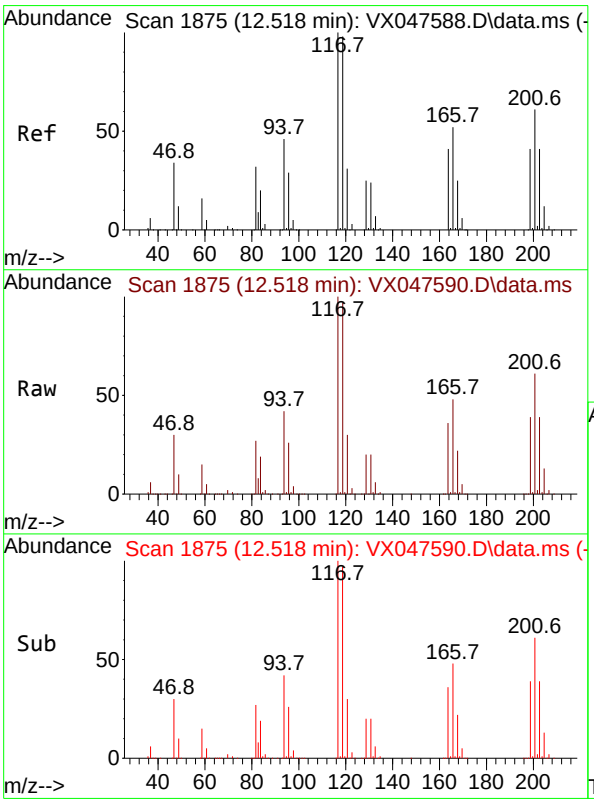
Ion	Ratio	Lower	Upper
91	100		
92	55.2	27.6	82.7
134	25.2	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

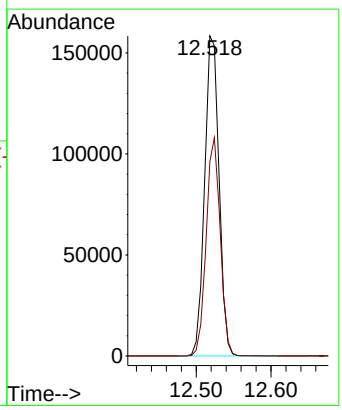


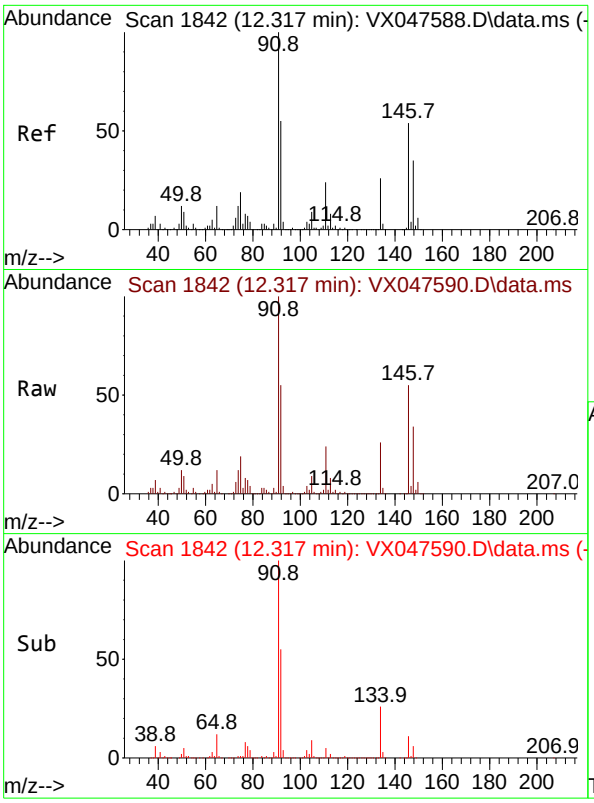


#90
Hexachloroethane
Concen: 163.258 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:117 Resp: 211472

Ion	Ratio	Lower	Upper
117	100		
201	66.6	34.2	102.5

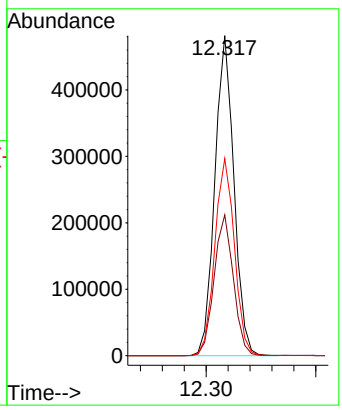




#91
1,2-Dichlorobenzene
Concen: 153.227 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:146 Resp: 58256

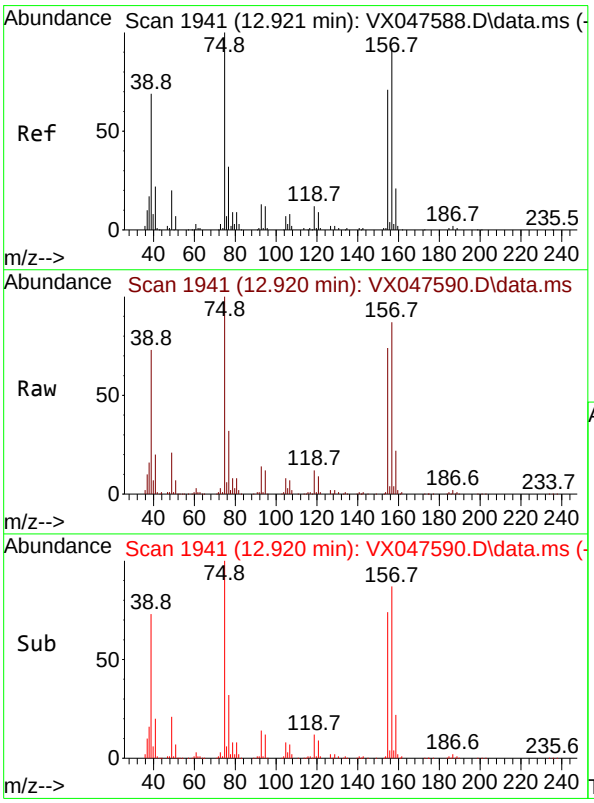
Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.2	66.6
148	63.5	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

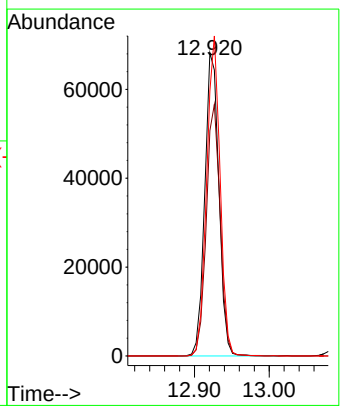
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

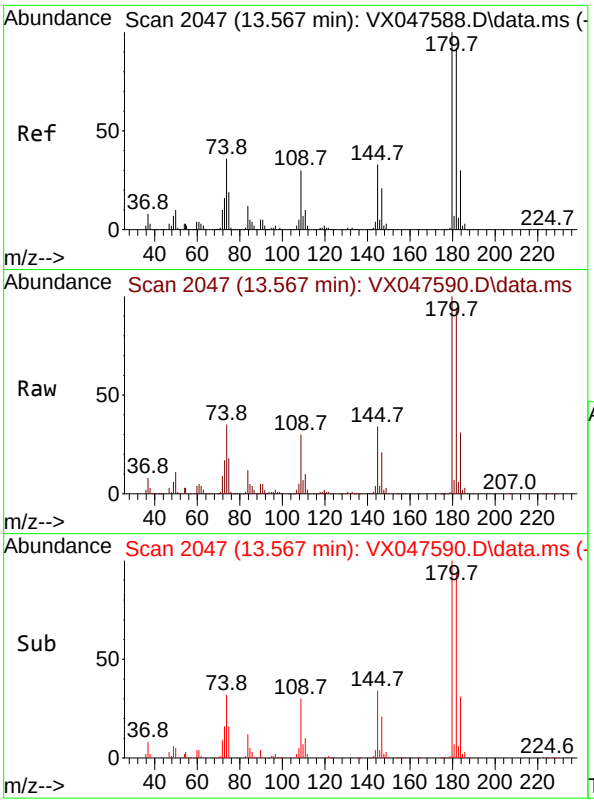


#92
1,2-Dibromo-3-Chloropropane
Concen: 167.332 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 89415

Ion	Ratio	Lower	Upper
75	100		
155	81.3	37.7	113.1
157	100.6	49.8	149.4





#93
1,2,4-Trichlorobenzene
Concen: 156.884 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

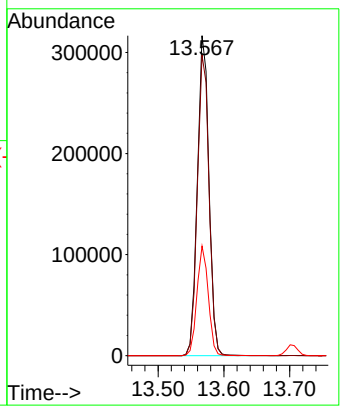
Tgt Ion:180 Resp: 38765

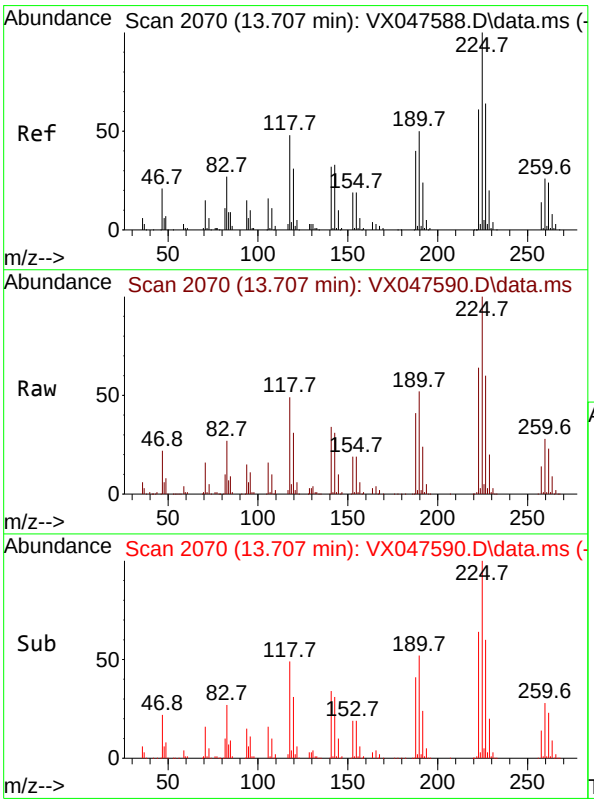
Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.6	139.8
145	33.5	16.4	49.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

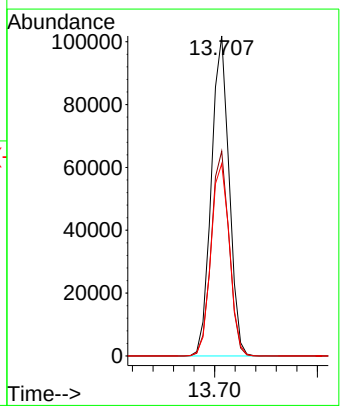


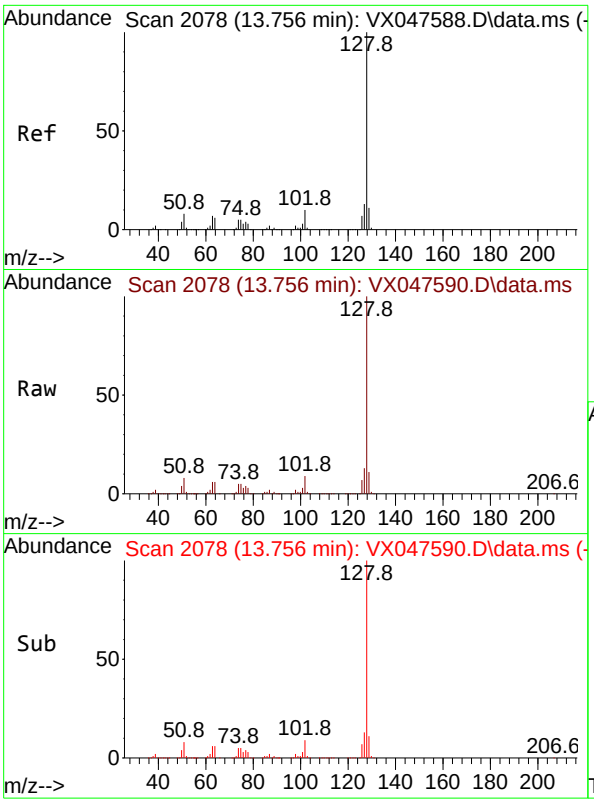


#94
Hexachlorobutadiene
Concen: 145.110 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:225 Resp: 121791

Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.7	95.1
227	62.8	32.0	96.0

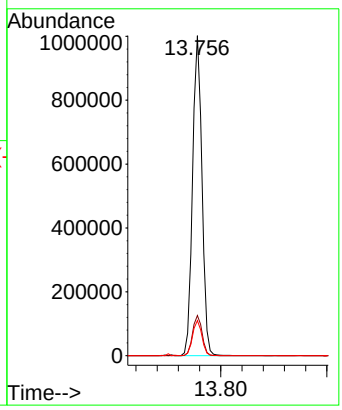




#95
Naphthalene
Concen: 163.388 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:128 Resp: 122936

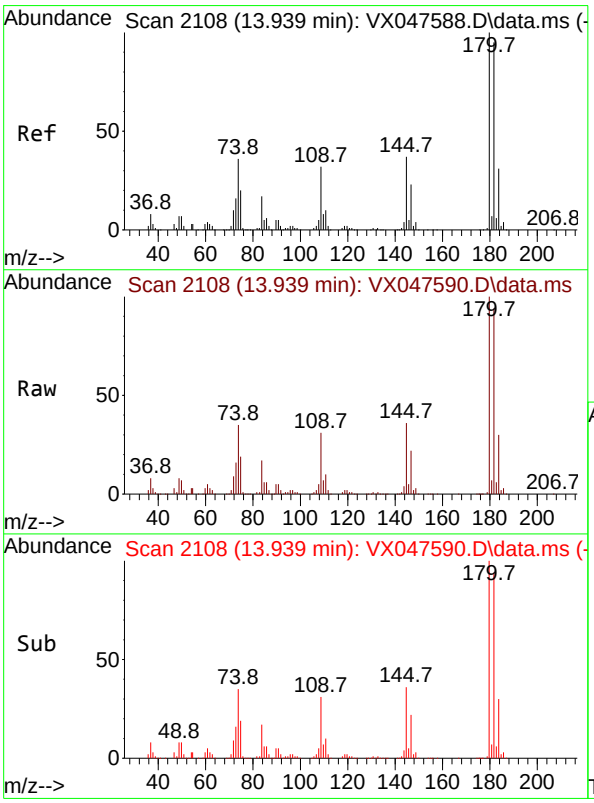
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

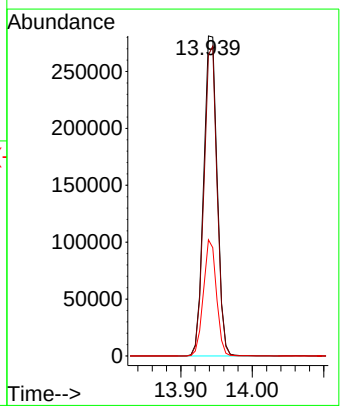
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 160.704 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:180 Resp: 369382

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.6	142.8
145	34.9	17.9	53.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	186484	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	331837	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	288660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	139252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	135209	45.550	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.100%		
35) Dibromofluoromethane	5.367	113	101390	45.559	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.120%		
50) Toluene-d8	8.634	98	357393	46.411	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.820%		
62) 4-Bromofluorobenzene	11.061	95	135957	46.520	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.040%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	86110	44.592	ug/l	94
3) Chloromethane	1.300	50	110935	43.710	ug/l	99
4) Vinyl Chloride	1.380	62	113742	45.783	ug/l	99
5) Bromomethane	1.617	94	76388	48.489	ug/l	99
6) Chloroethane	1.697	64	77337	46.575	ug/l	99
7) Trichlorofluoromethane	1.892	101	173647	47.074	ug/l	98
8) Diethyl Ether	2.136	74	70459	46.693	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	104663	48.524	ug/l	99
10) Methyl Iodide	2.453	142	155450	46.210	ug/l	99
11) Tert butyl alcohol	2.940	59	84722	256.271	ug/l	100
12) 1,1-Dichloroethene	2.325	96	104302	47.076	ug/l	98
13) Acrolein	2.233	56	77645	254.867	ug/l	99
14) Allyl chloride	2.666	41	213704	46.742	ug/l	99
15) Acrylonitrile	3.056	53	310505	253.567	ug/l	99
16) Acetone	2.373	43	316217	245.006	ug/l	97
17) Carbon Disulfide	2.514	76	272741	44.966	ug/l	97
18) Methyl Acetate	2.697	43	158480	55.175	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	392574	48.538	ug/l	100
20) Methylene Chloride	2.788	84	125669	46.000	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	111418	46.709	ug/l	99
22) Diisopropyl ether	3.745	45	426854	48.174	ug/l #	83
23) Vinyl Acetate	3.709	43	1741267	245.539	ug/l	99
24) 1,1-Dichloroethane	3.599	63	226249	48.041	ug/l	99
25) 2-Butanone	4.532	43	408273	253.598	ug/l	97
26) 2,2-Dichloropropane	4.458	77	193760	49.494	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	142635	48.826	ug/l	99
28) Bromochloromethane	4.879	49	95782	46.586	ug/l	99
29) Tetrahydrofuran	4.983	42	245392	253.375	ug/l	99
30) Chloroform	5.074	83	231954	48.739	ug/l	99
31) Cyclohexane	5.458	56	180430	45.999	ug/l	99
32) 1,1,1-Trichloroethane	5.367	97	197711	48.978	ug/l	100
36) 1,1-Dichloropropene	5.678	75	151745	46.663	ug/l	99
37) Ethyl Acetate	4.690	43	171454	49.241	ug/l	98
38) Carbon Tetrachloride	5.659	117	165834	46.935	ug/l	95
39) Methylcyclohexane	7.360	83	179392	48.597	ug/l	98
40) Benzene	6.019	78	467748	47.357	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.897	41	90758	50.490	ug/l		98
42) 1,2-Dichloroethane	6.068	62	176131	46.867	ug/l		100
43) Isopropyl Acetate	6.318	43	280595	49.136	ug/l		100
44) Trichloroethene	7.104	130	114708	48.037	ug/l		98
45) 1,2-Dichloropropane	7.409	63	121532	48.053	ug/l		98
46) Dibromomethane	7.562	93	88297	47.976	ug/l		98
47) Bromodichloromethane	7.799	83	185219	48.769	ug/l		96
48) Methyl methacrylate	7.671	41	141532	49.757	ug/l		99
49) 1,4-Dioxane	7.641	88	31320	1089.520	ug/l		98
51) 4-Methyl-2-Pentanone	8.555	43	809759	255.752	ug/l		100
52) Toluene	8.702	92	292879	48.130	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	191863	49.527	ug/l		100
54) cis-1,3-Dichloropropene	8.348	75	203954	49.257	ug/l		97
55) 1,1,2-Trichloroethane	9.134	97	112094	47.772	ug/l		98
56) Ethyl methacrylate	9.098	69	189741	51.490	ug/l		99
57) 1,3-Dichloropropane	9.293	76	197079	48.894	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	394205	225.562	ug/l		99
59) 2-Hexanone	9.415	43	575599	253.126	ug/l		99
60) Dibromochloromethane	9.506	129	134704	49.824	ug/l		99
61) 1,2-Dibromoethane	9.592	107	117817	49.297	ug/l		99
64) Tetrachloroethene	9.256	164	90881	48.296	ug/l		98
65) Chlorobenzene	10.061	112	318372	48.549	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.146	131	110416	48.794	ug/l		98
67) Ethyl Benzene	10.177	91	563634	49.813	ug/l		99
68) m/p-Xylenes	10.287	106	416757	98.956	ug/l		99
69) o-Xylene	10.622	106	204323	50.159	ug/l		99
70) Styrene	10.640	104	353567	49.536	ug/l		99
71) Bromoform	10.780	173	86524	51.207	ug/l	#	98
73) Isopropylbenzene	10.945	105	523826	49.479	ug/l		100
74) N-amyl acetate	10.823	43	243198	50.375	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	159676	49.851	ug/l		99
76) 1,2,3-Trichloropropane	11.219	75	149779m	53.124	ug/l		
77) Bromobenzene	11.183	156	125610	48.173	ug/l		98
78) n-propylbenzene	11.286	91	616928	49.295	ug/l		99
79) 2-Chlorotoluene	11.347	91	376486	49.117	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	435375	50.055	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	55880	50.543	ug/l		99
82) 4-Chlorotoluene	11.433	91	445075	49.164	ug/l		100
83) tert-Butylbenzene	11.695	119	442341	49.679	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	440134	49.911	ug/l		99
85) sec-Butylbenzene	11.872	105	529869	50.100	ug/l		100
86) p-Isopropyltoluene	11.994	119	446441	49.861	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	237383	49.014	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	243618	49.011	ug/l		99
89) n-Butylbenzene	12.317	91	420478	50.752	ug/l		100
90) Hexachloroethane	12.518	117	79751	50.732	ug/l		99
91) 1,2-Dichlorobenzene	12.317	146	227493	49.304	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	33020	50.918	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	153333	51.133	ug/l		100
94) Hexachlorobutadiene	13.707	225	53099	52.131	ug/l		99
95) Naphthalene	13.756	128	464206	50.836	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	142413	51.054	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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

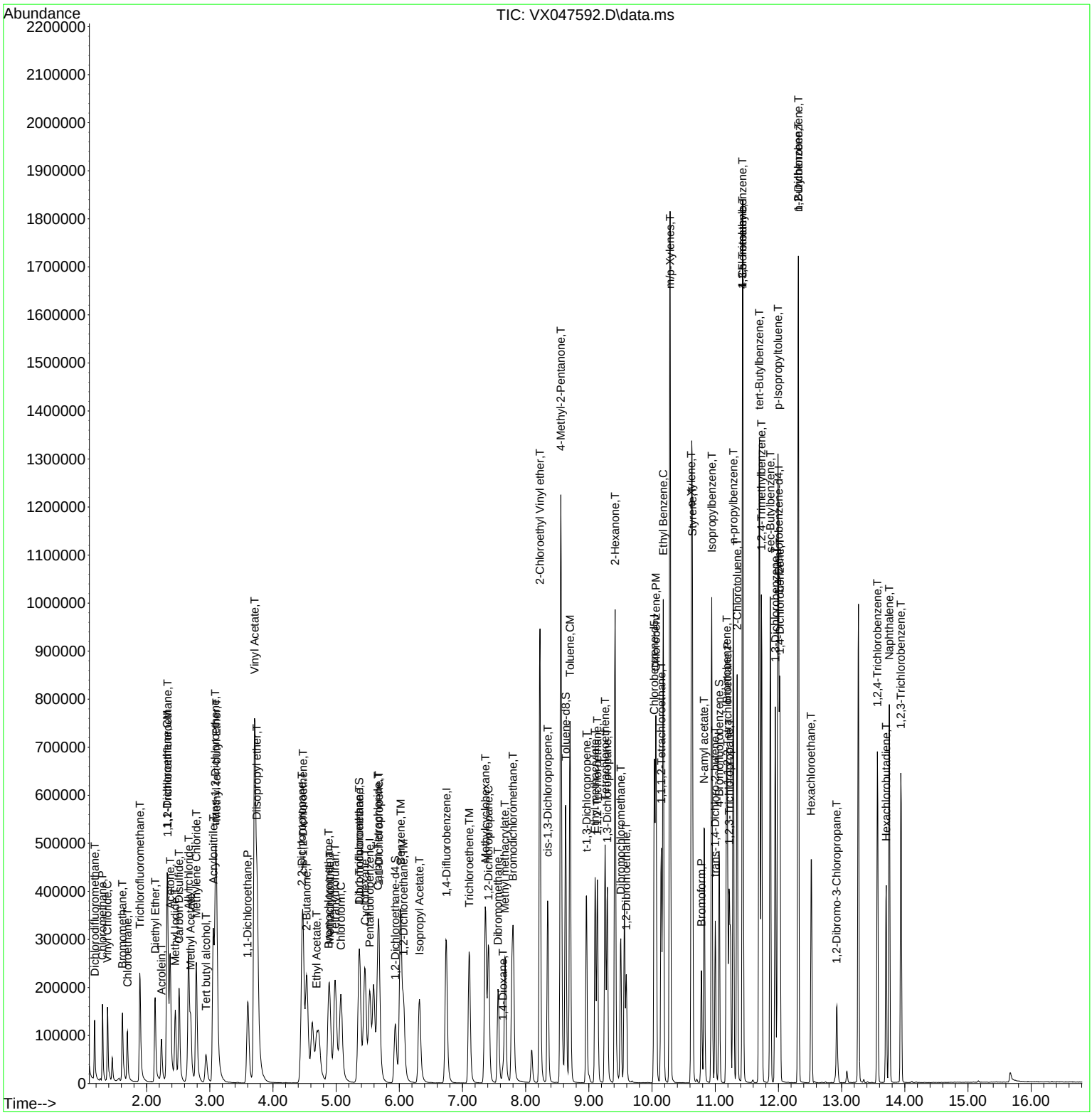
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

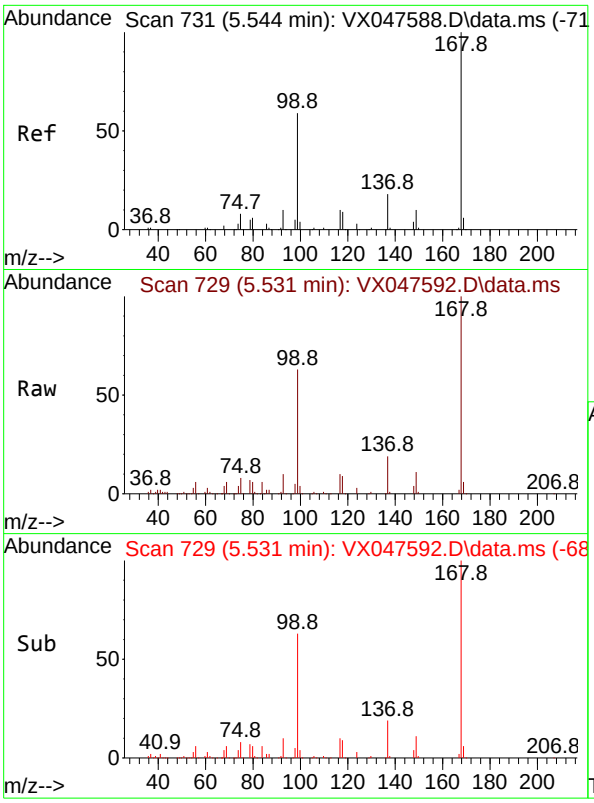
Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

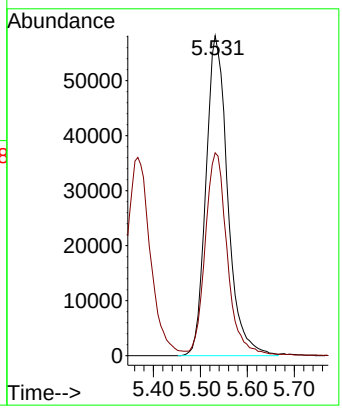




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:168 Resp: 18648

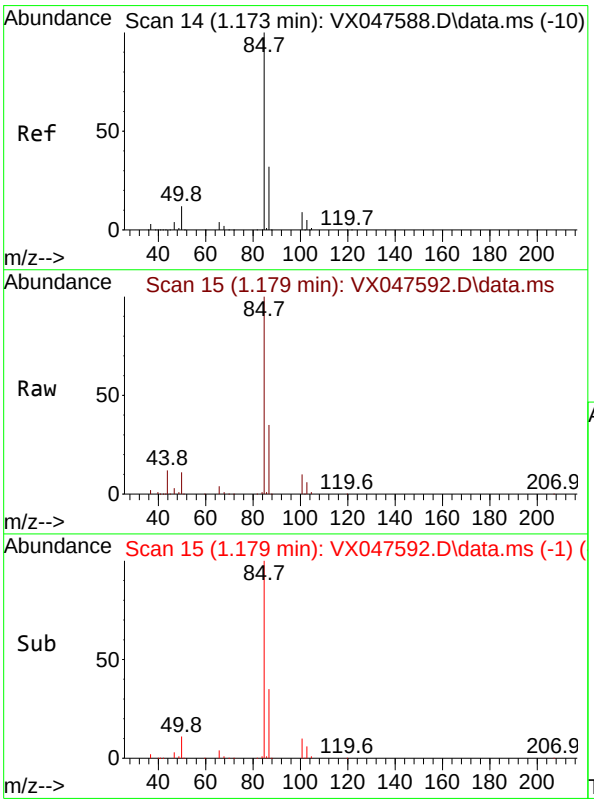
Ion	Ratio	Lower	Upper
168	100		
99	62.9	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

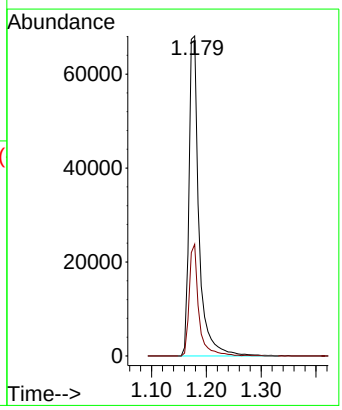
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

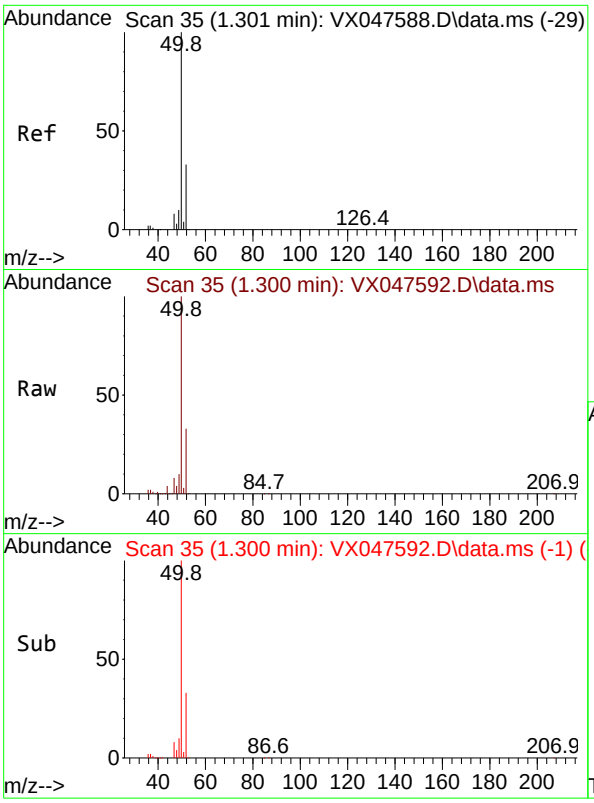


#2
Dichlorodifluoromethane
Concen: 44.592 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 85 Resp: 86110

Ion	Ratio	Lower	Upper
85	100		
87	34.9	15.8	47.3

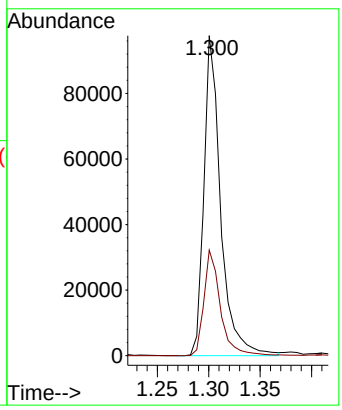




#3
Chloromethane
Concen: 43.710 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 50 Resp: 11093

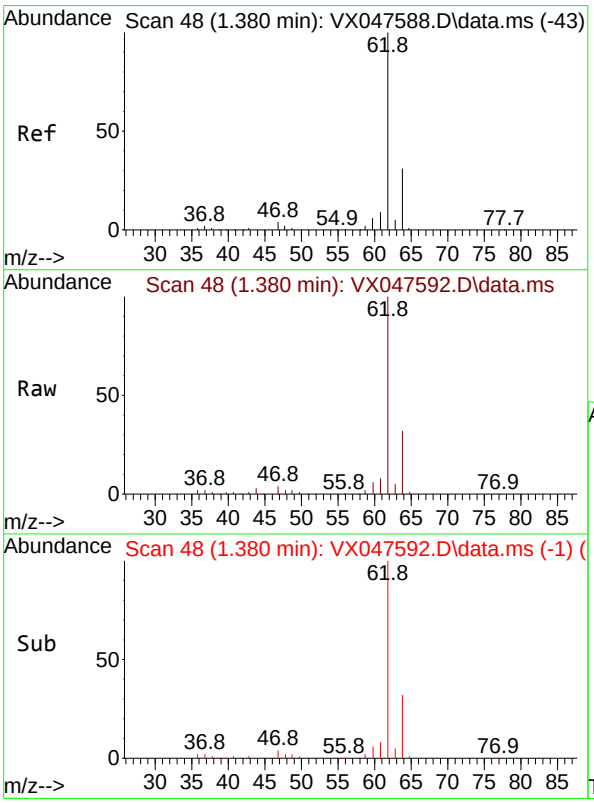
Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

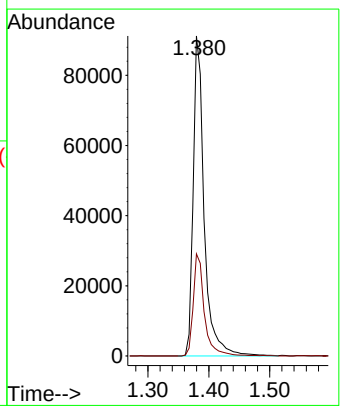
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

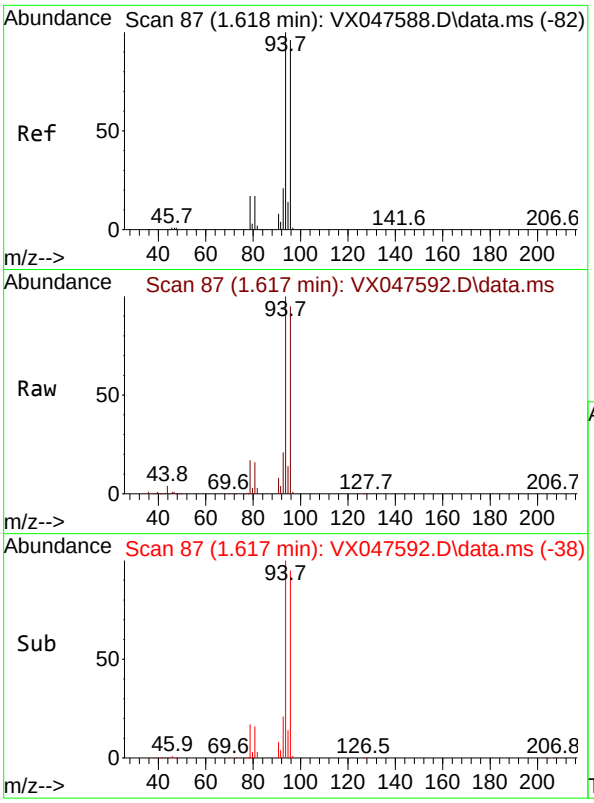


#4
Vinyl Chloride
Concen: 45.783 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 62 Resp: 113742

Ion	Ratio	Lower	Upper
62	100		
64	31.9	24.9	37.3

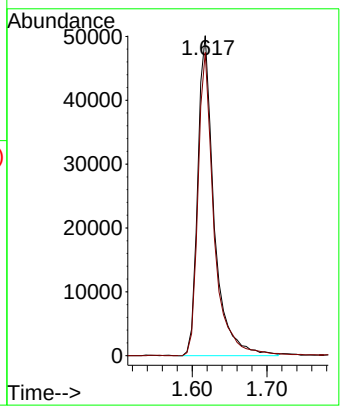




#5
Bromomethane
Concen: 48.489 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 94 Resp: 7638

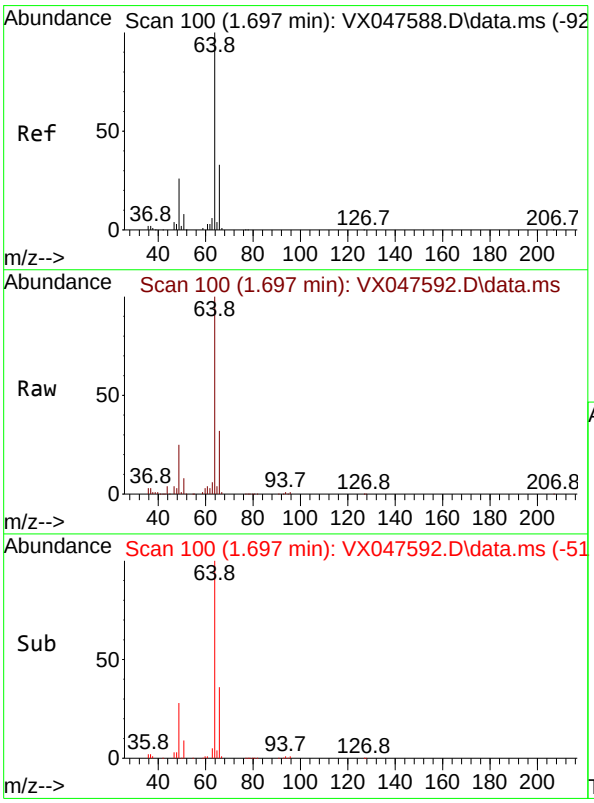
Ion	Ratio	Lower	Upper
94	100		
96	94.7	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

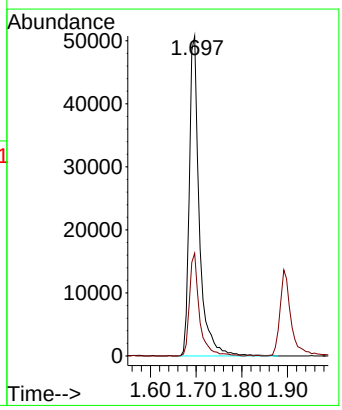
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

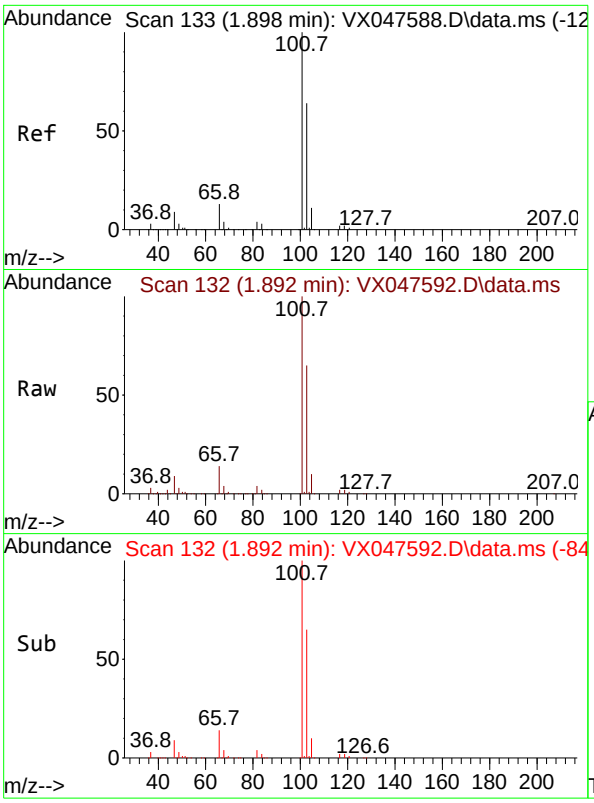


#6
Chloroethane
Concen: 46.575 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 64 Resp: 77337

Ion	Ratio	Lower	Upper
64	100		
66	32.1	26.1	39.1





#7
Trichlorofluoromethane
Concen: 47.074 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

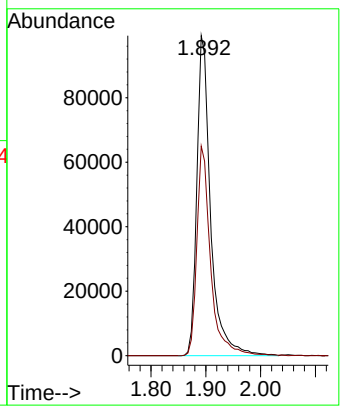
Tgt Ion:101 Resp: 17364

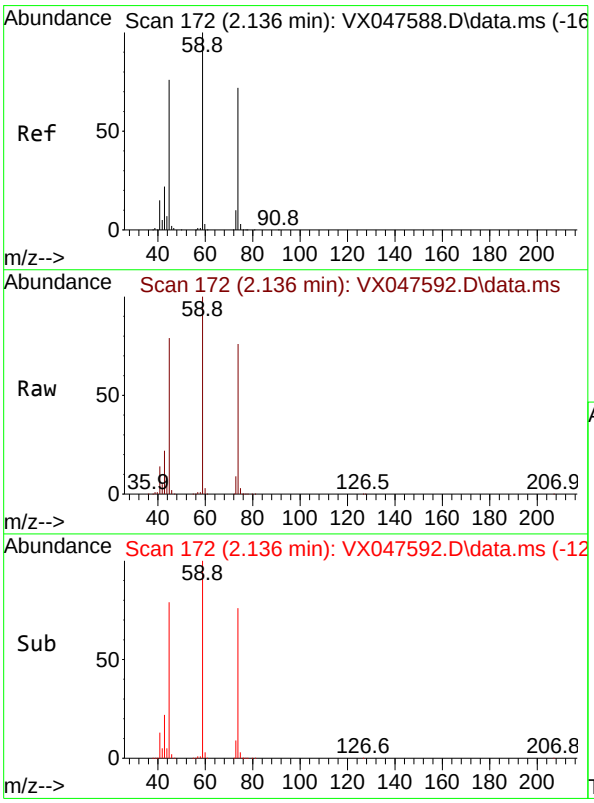
Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.4	77.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

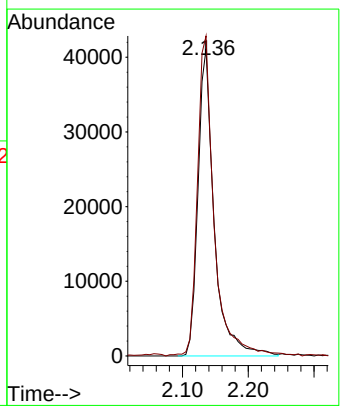


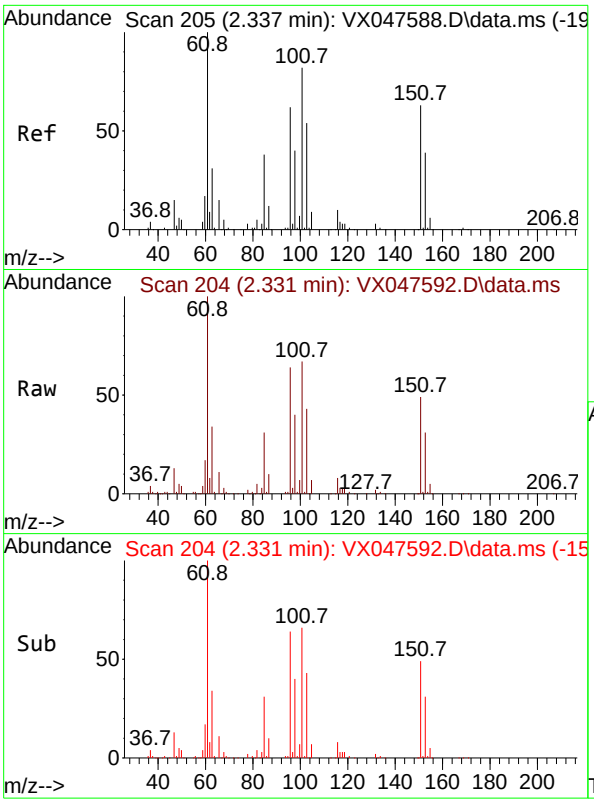


#8
Diethyl Ether
Concen: 46.693 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 74 Resp: 70459

Ion	Ratio	Lower	Upper
74	100		
45	107.1	52.3	156.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.524 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

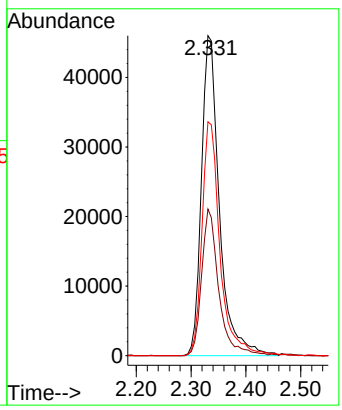
Tgt Ion:101 Resp: 10466

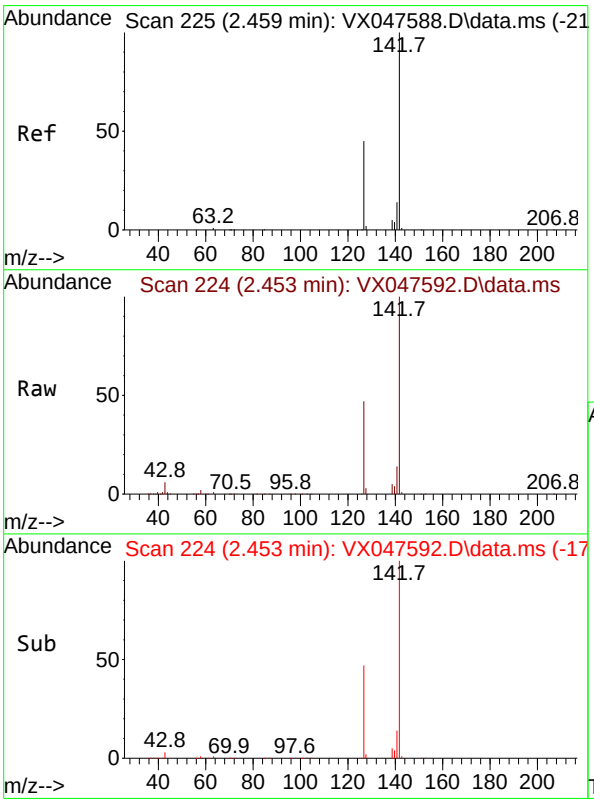
Ion	Ratio	Lower	Upper
101	100		
85	44.1	35.5	53.3
151	73.3	59.4	89.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

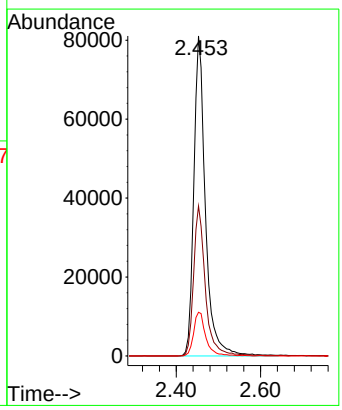


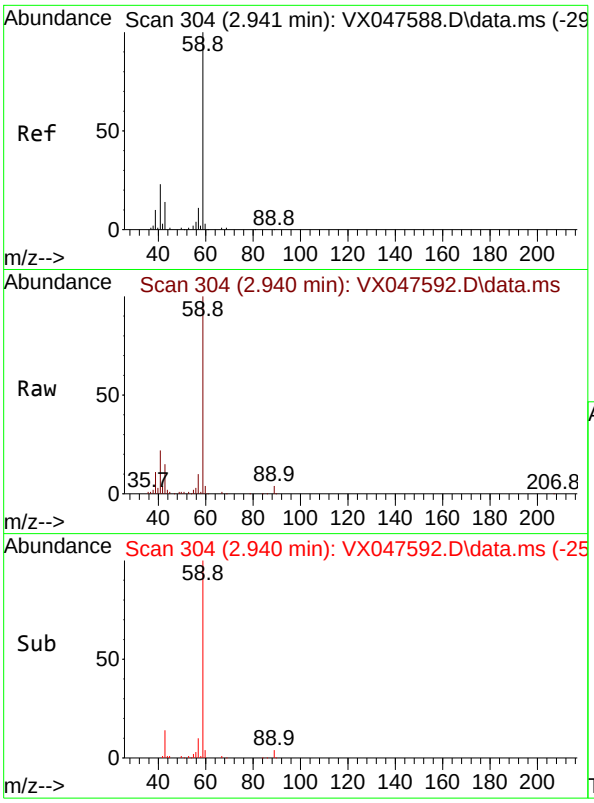


#10
Methyl Iodide
Concen: 46.210 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:142 Resp: 155450

Ion	Ratio	Lower	Upper
142	100		
127	47.6	37.2	55.8
141	14.4	11.4	17.0





#11
Tert butyl alcohol
Concen: 256.271 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

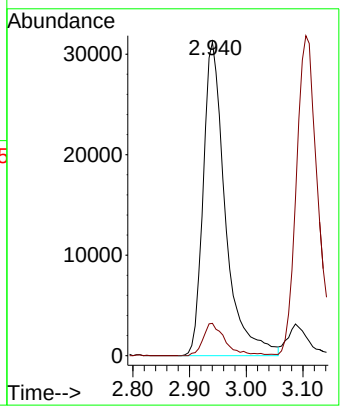
Tgt Ion: 59 Resp: 8472

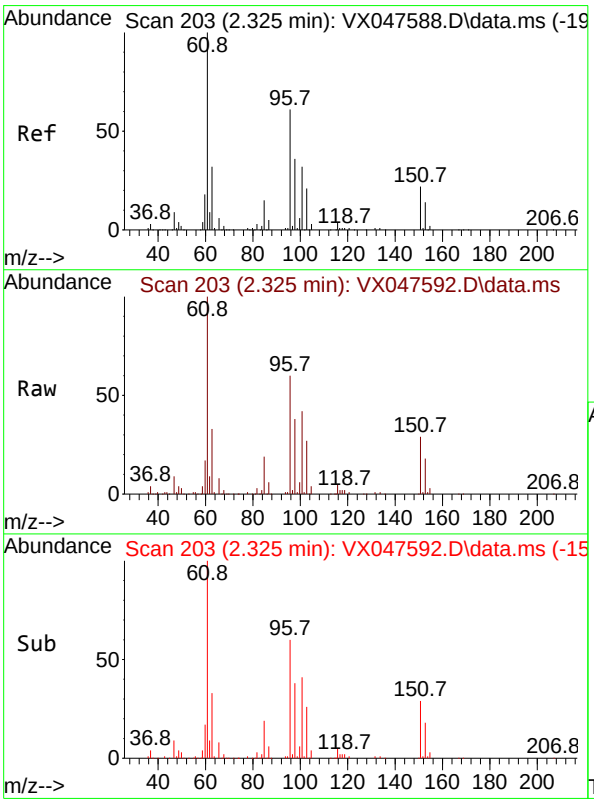
Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

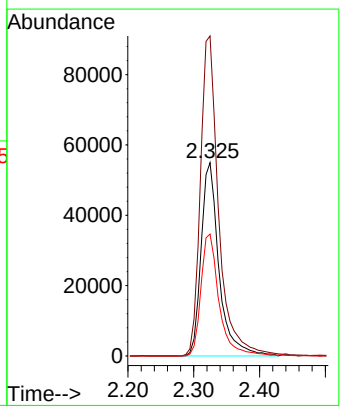


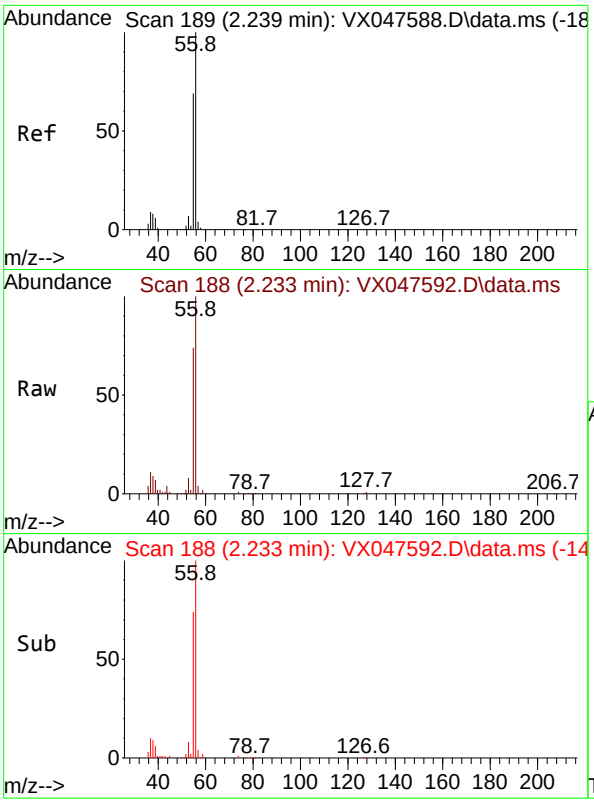


#12
1,1-Dichloroethene
Concen: 47.076 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 96 Resp: 104302

Ion	Ratio	Lower	Upper
96	100		
61	165.6	131.0	196.6
98	63.1	47.7	71.5

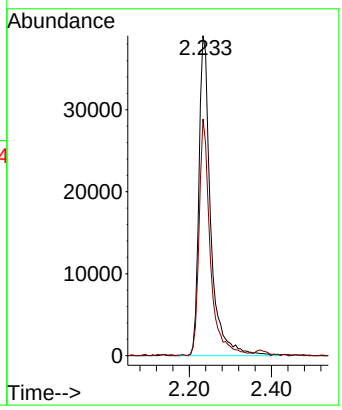




#13
Acrolein
Concen: 254.867 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 56 Resp: 7764

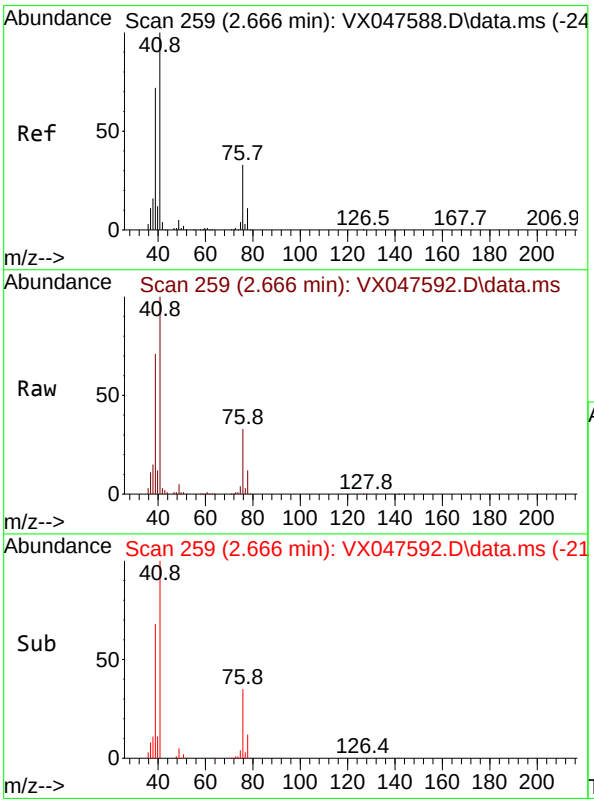
Ion	Ratio	Lower	Upper
56	100		
55	70.3	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

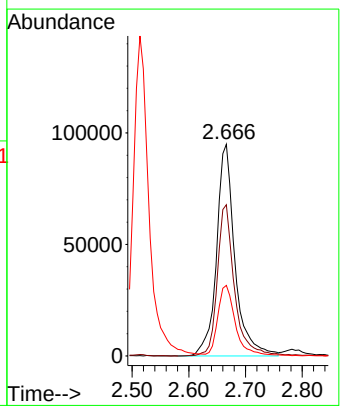
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

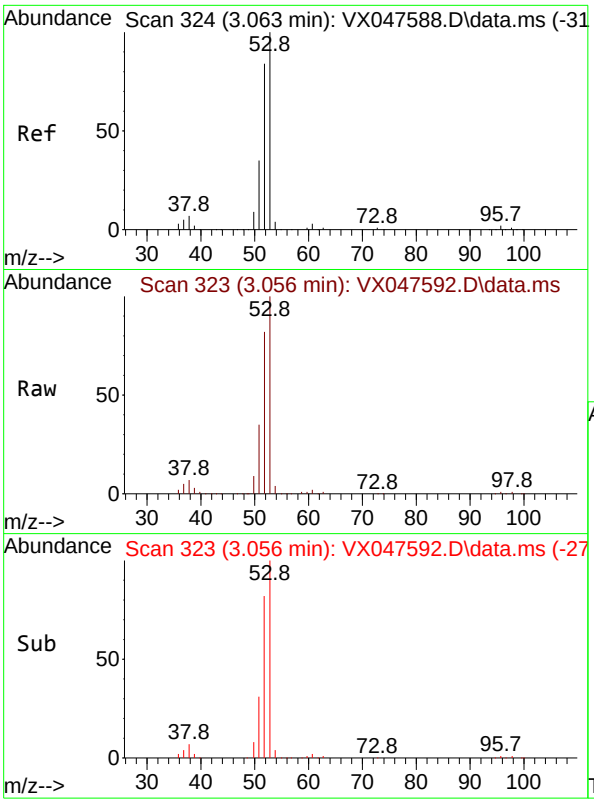


#14
Allyl chloride
Concen: 46.742 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 41 Resp: 213704

Ion	Ratio	Lower	Upper
41	100		
39	67.2	54.7	82.1
76	31.7	25.7	38.5

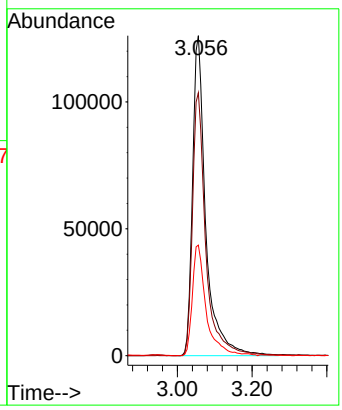




#15
Acrylonitrile
Concen: 253.567 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 53 Resp: 31050

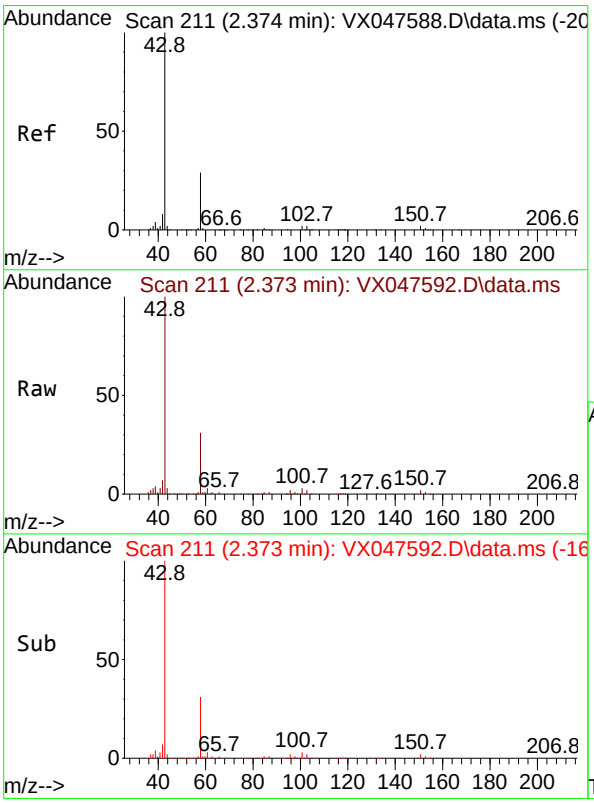
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.4	99.6
51	36.2	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

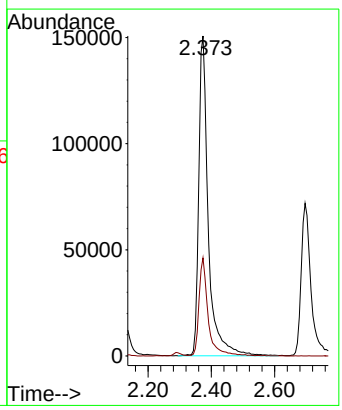
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

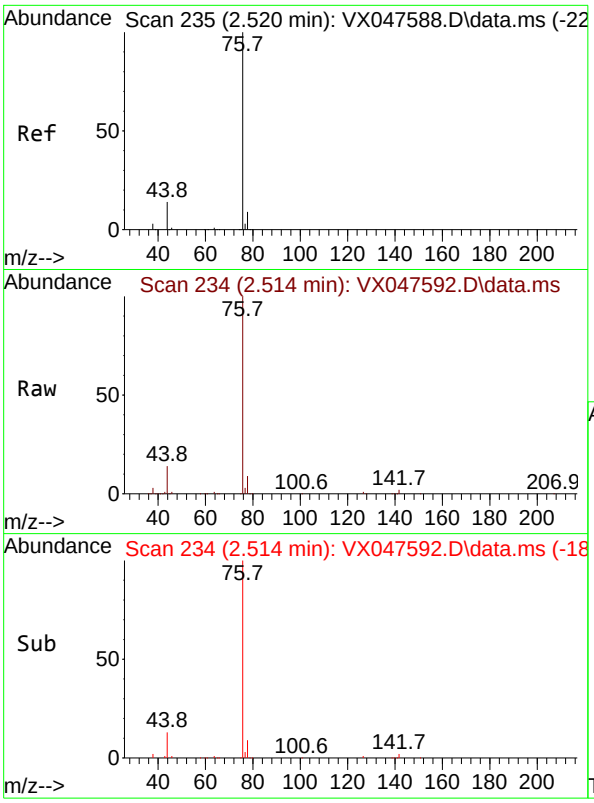


#16
Acetone
Concen: 245.006 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 316217

Ion	Ratio	Lower	Upper
43	100		
58	30.6	23.4	35.0





#17
Carbon Disulfide
Concen: 44.966 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

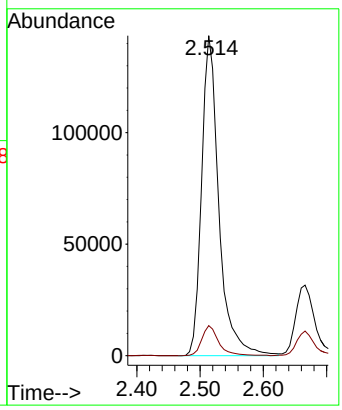
Tgt Ion: 76 Resp: 27274

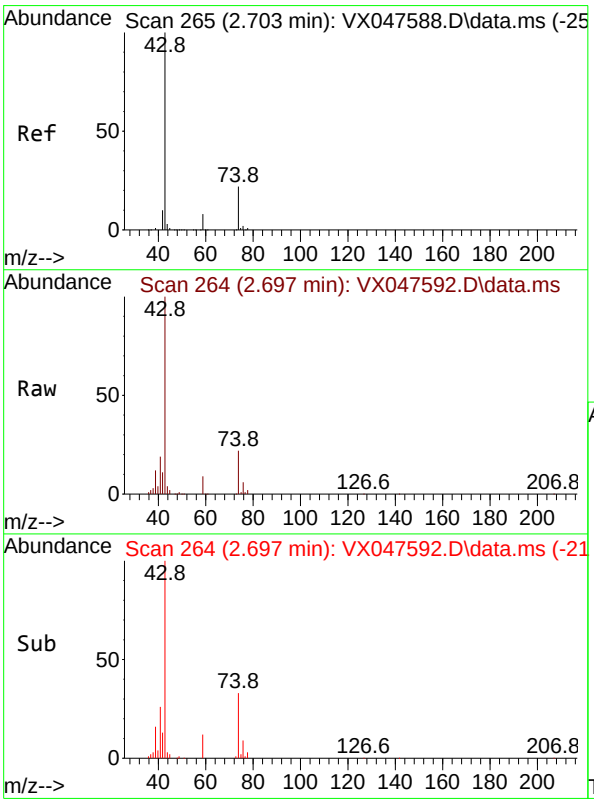
Ion	Ratio	Lower	Upper
76	100		
78	9.6	6.8	10.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

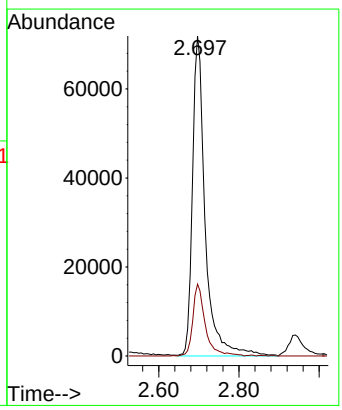


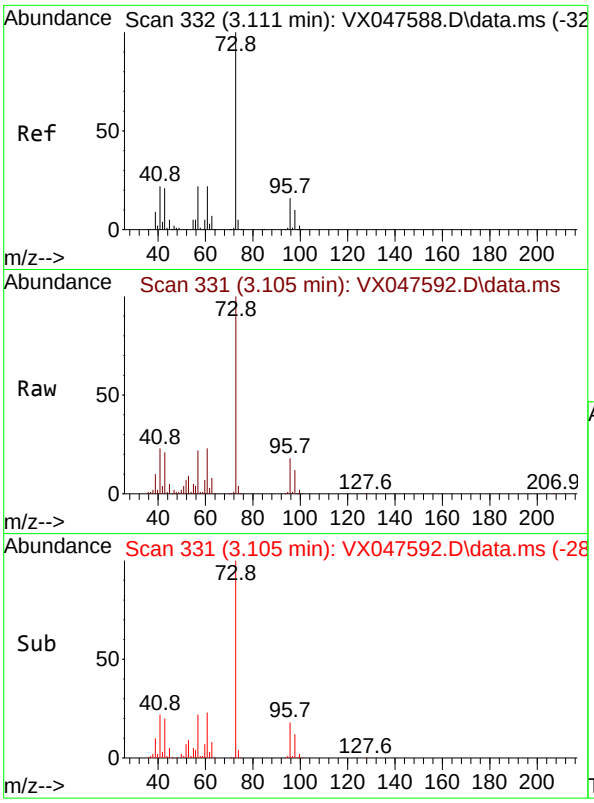


#18
Methyl Acetate
Concen: 55.175 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 158480

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2

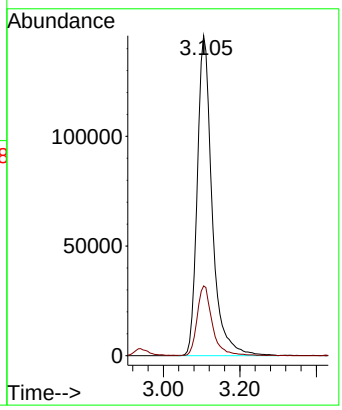




#19
Methyl tert-butyl Ether
Concen: 48.538 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 73 Resp: 39257

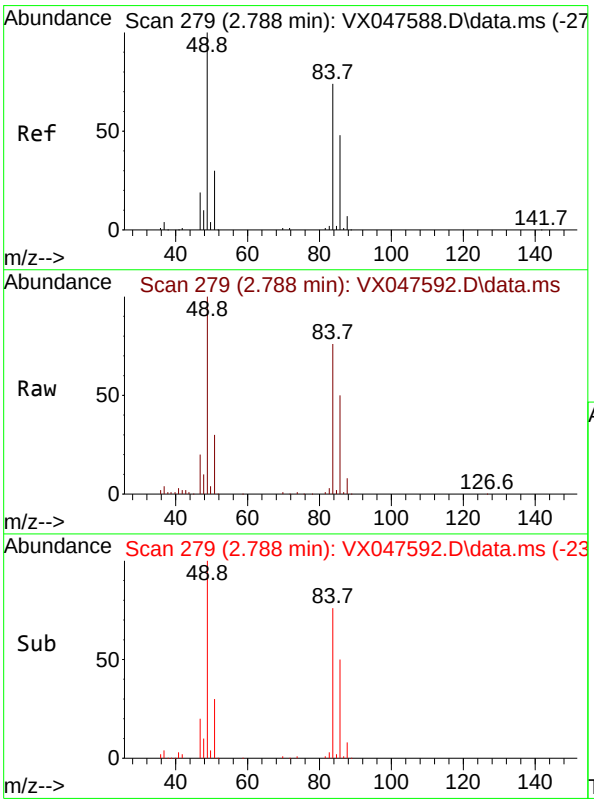
Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

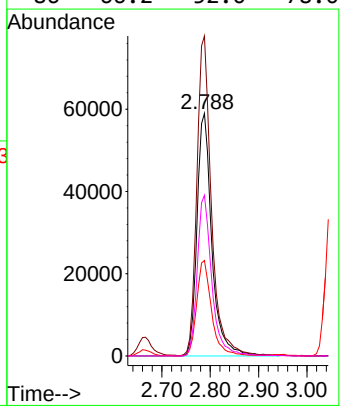
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

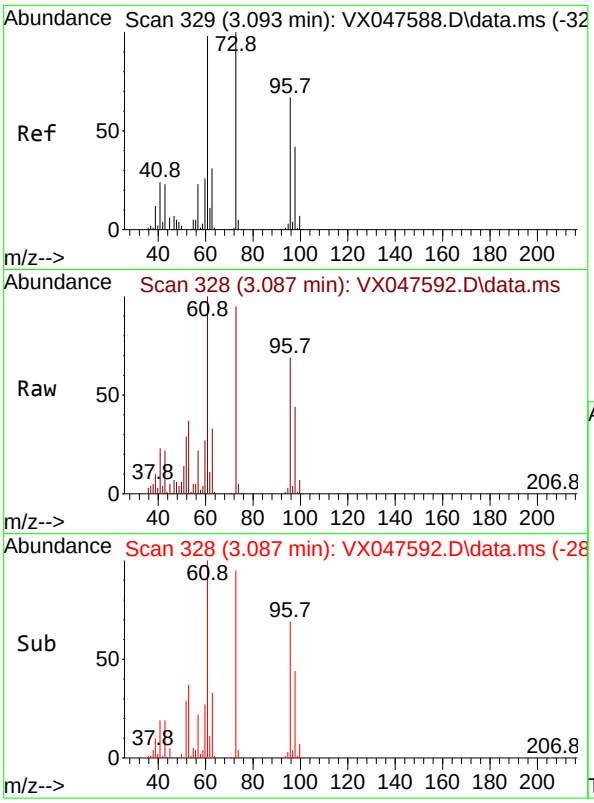


#20
Methylene Chloride
Concen: 46.000 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 84 Resp: 125669

Ion	Ratio	Lower	Upper
84	100		
49	131.8	108.6	162.8
51	39.4	32.6	48.8
86	66.2	52.0	78.0

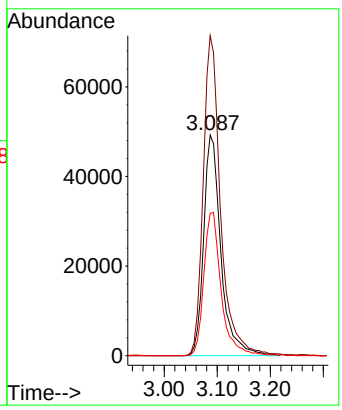




#21
trans-1,2-Dichloroethene
Concen: 46.709 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 96 Resp: 11141

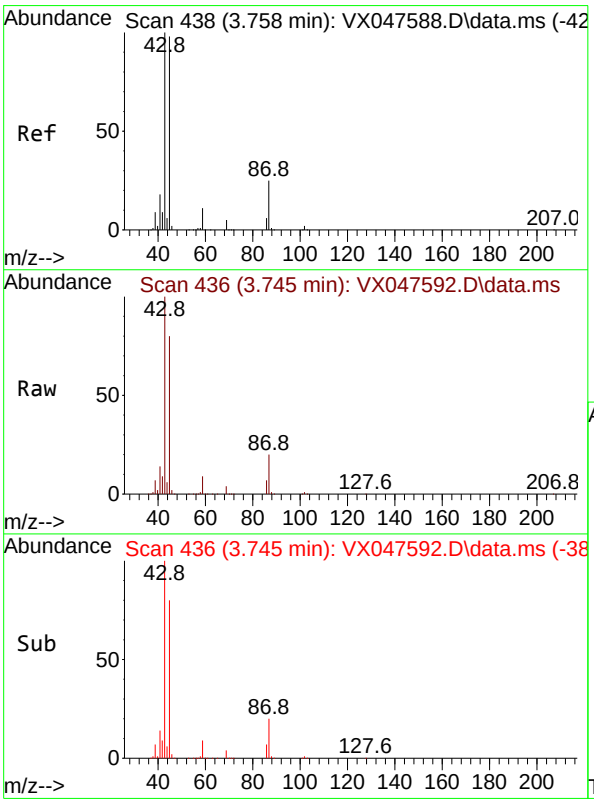
Ion	Ratio	Lower	Upper
96	100		
61	145.1	116.2	174.2
98	64.5	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

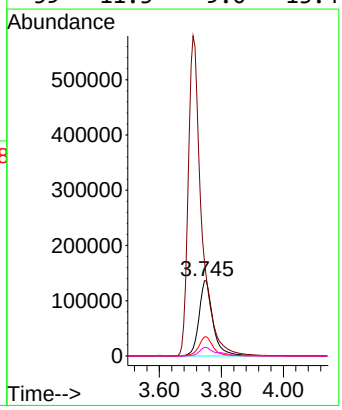
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

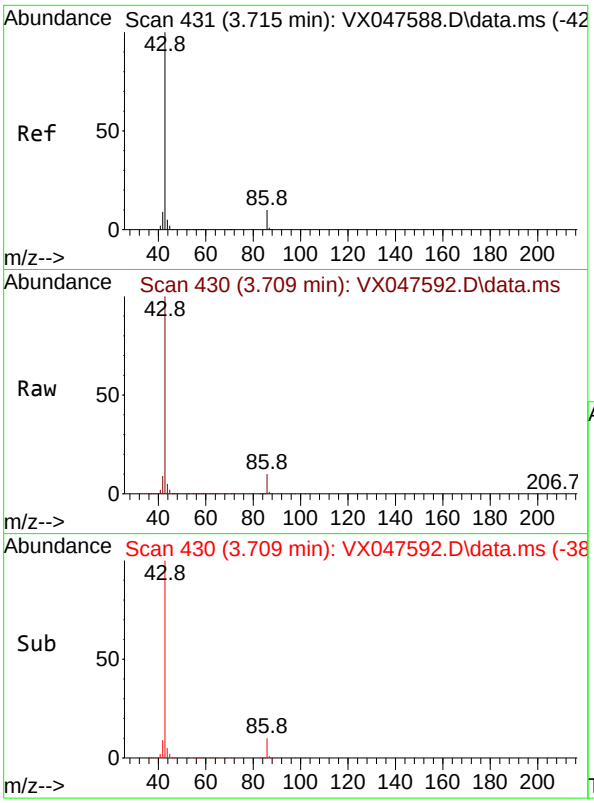


#22
Diisopropyl ether
Concen: 48.174 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 45 Resp: 426854

Ion	Ratio	Lower	Upper
45	100		
43	124.9	81.0	121.4#
87	25.2	20.3	30.5
59	11.3	9.0	13.4

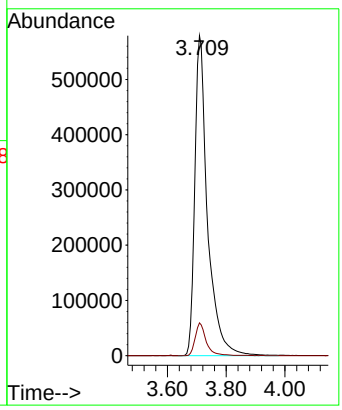




#23
Vinyl Acetate
Concen: 245.539 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 174126

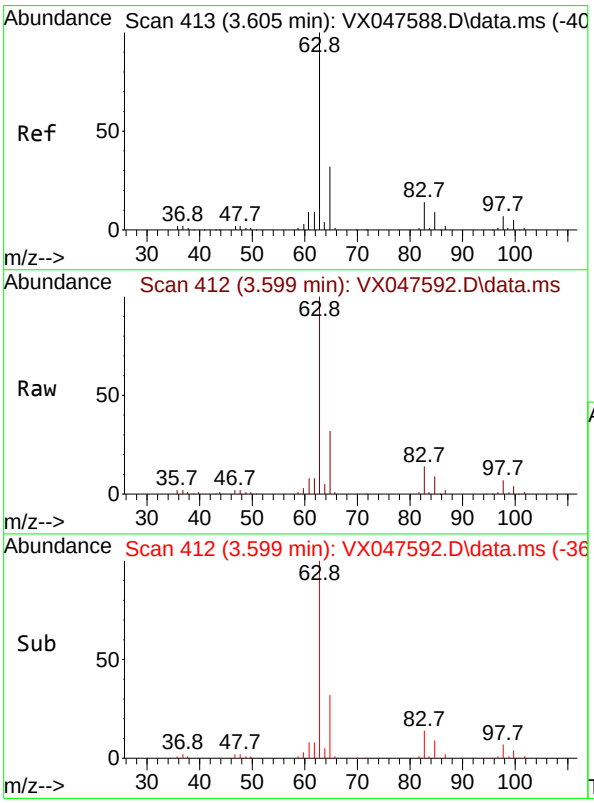
Ion	Ratio	Lower	Upper
43	100		
86	10.2	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

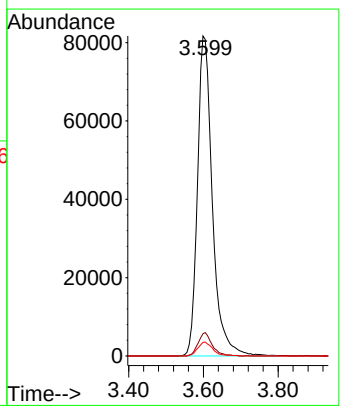
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

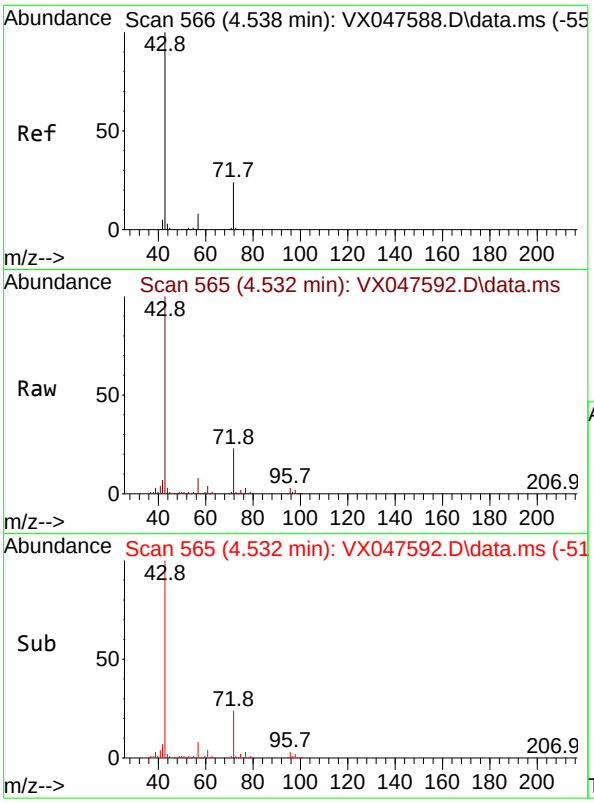


#24
1,1-Dichloroethane
Concen: 48.041 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 63 Resp: 226249

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.8	11.2
100	4.4	2.3	6.9





#25
2-Butanone
Concen: 253.598 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

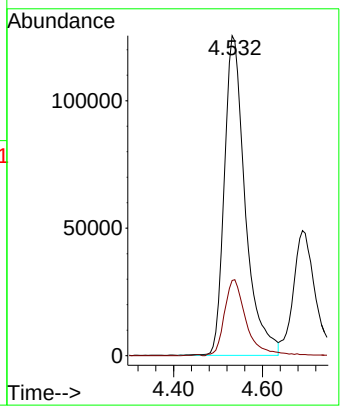
Tgt Ion: 43 Resp: 40827

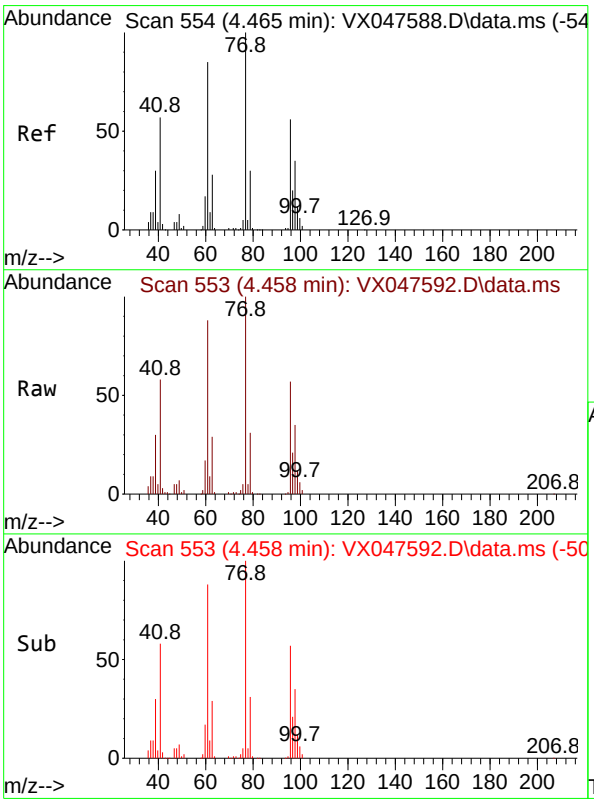
Ion	Ratio	Lower	Upper
43	100		
72	23.5	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

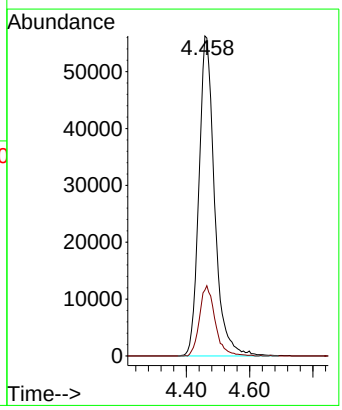


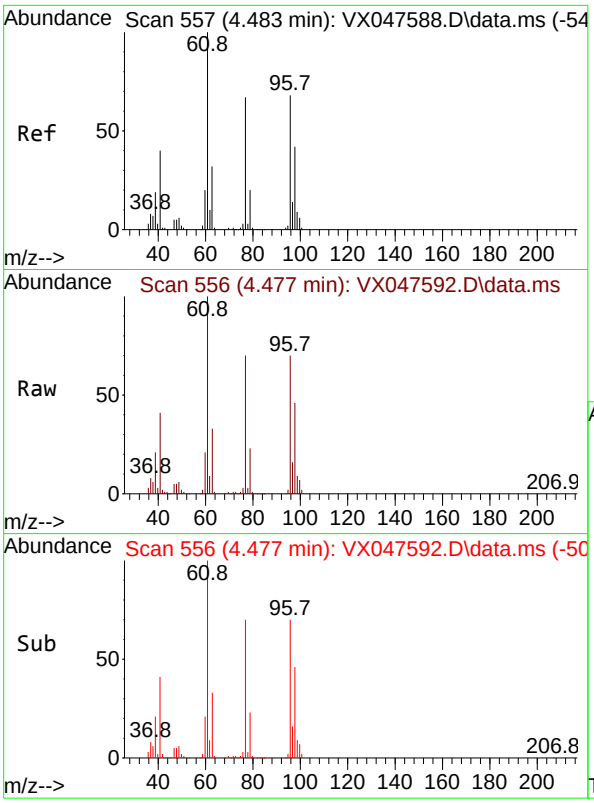


#26
2,2-Dichloropropane
Concen: 49.494 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 77 Resp: 193760

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.7

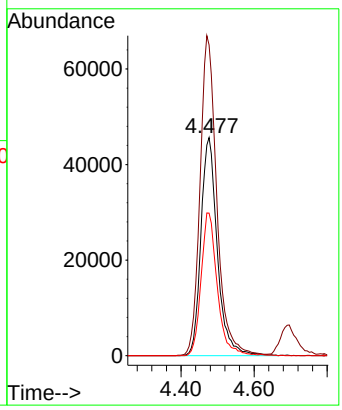




#27
cis-1,2-Dichloroethene
Concen: 48.826 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 96 Resp: 14263

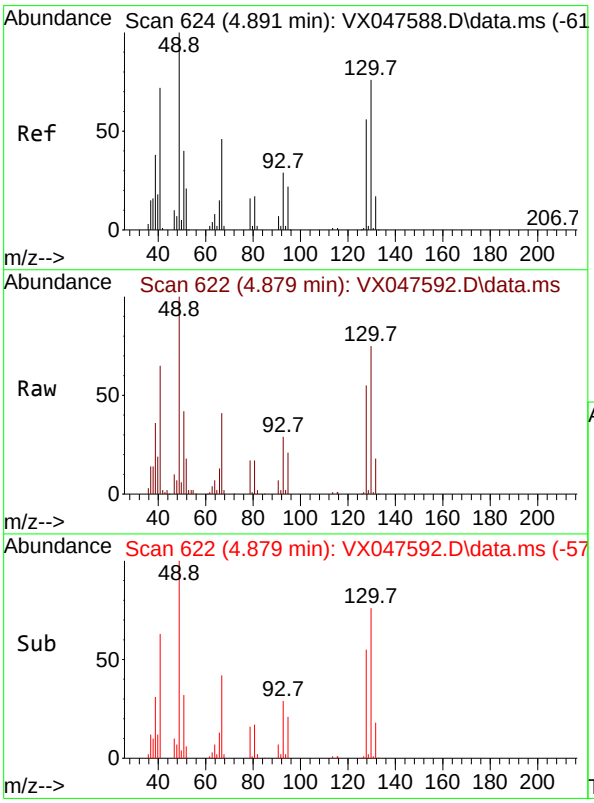
Ion	Ratio	Lower	Upper
96	100		
61	149.7	0.0	303.2
98	64.3	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

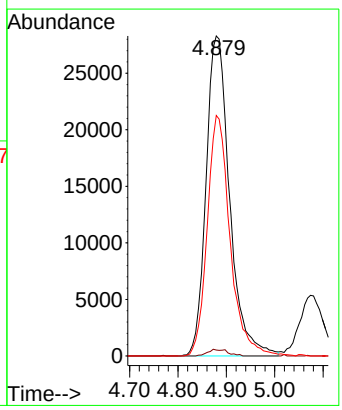
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

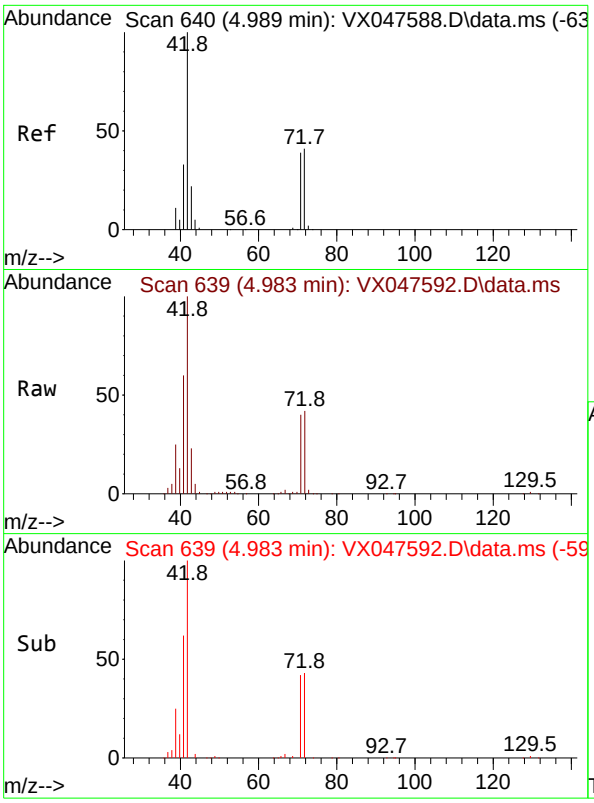


#28
Bromochloromethane
Concen: 46.586 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 49 Resp: 95782

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.2
130	72.9	57.8	86.8

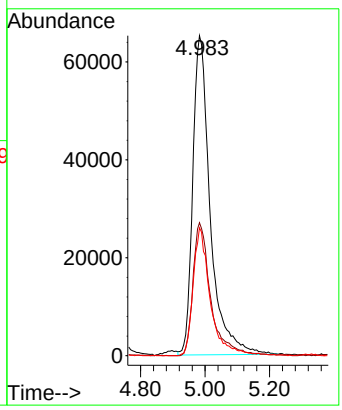




#29
Tetrahydrofuran
Concen: 253.375 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 42 Resp: 24539

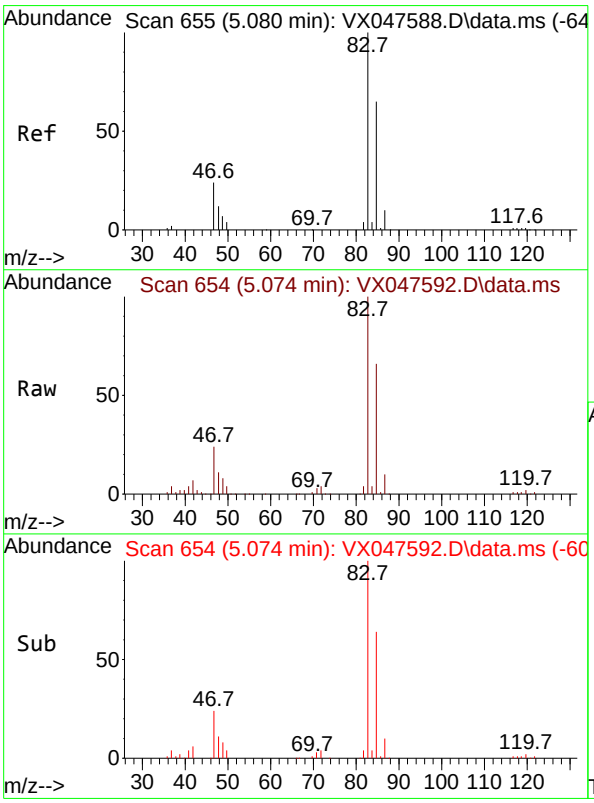
Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	38.9	31.9	47.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

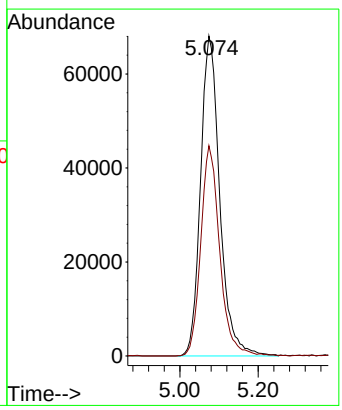
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

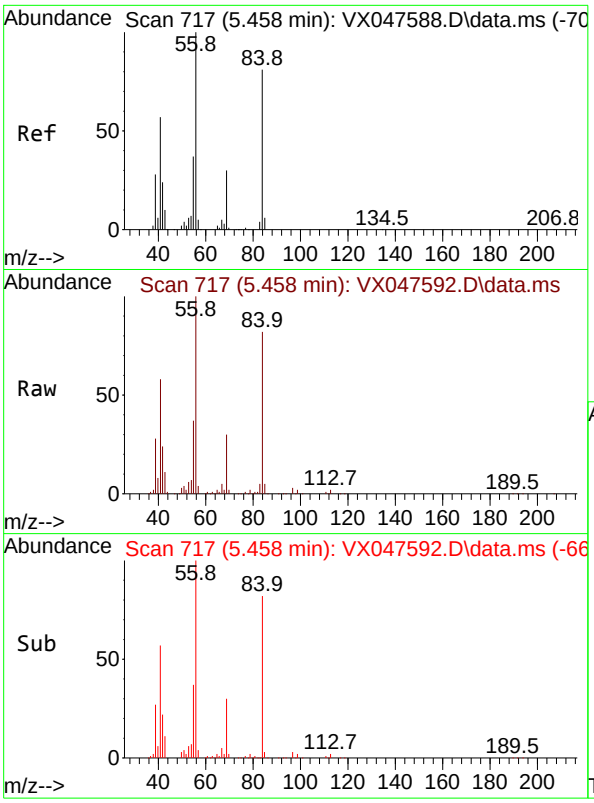


#30
Chloroform
Concen: 48.739 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 83 Resp: 231954

Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.8	77.6

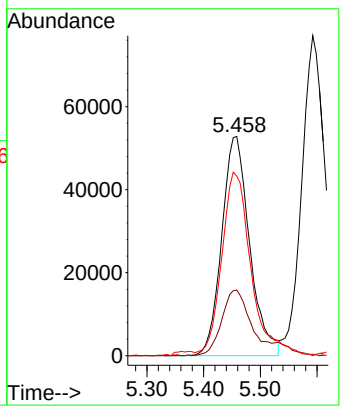




#31
Cyclohexane
Concen: 45.999 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 56 Resp: 18043

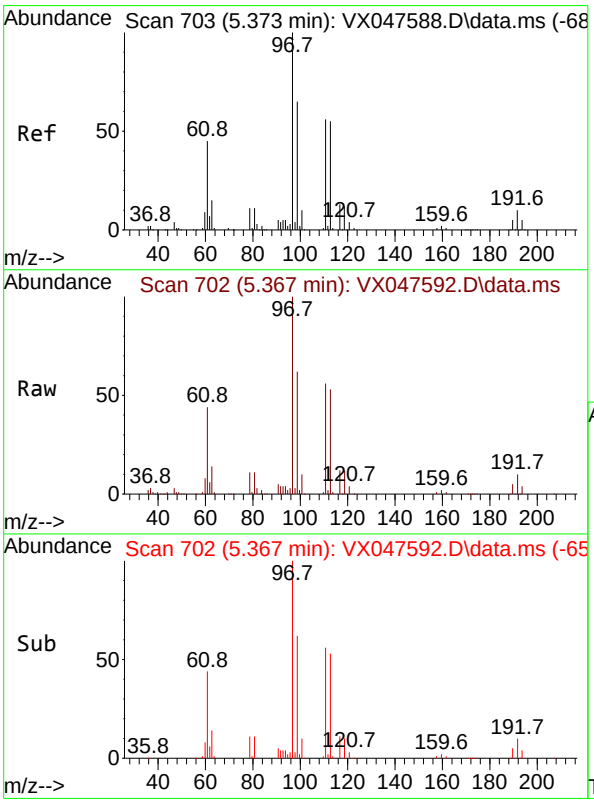
Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.8	35.8
84	80.3	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

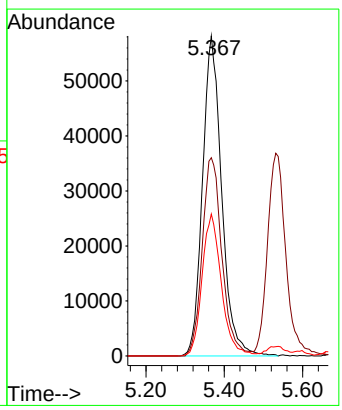
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

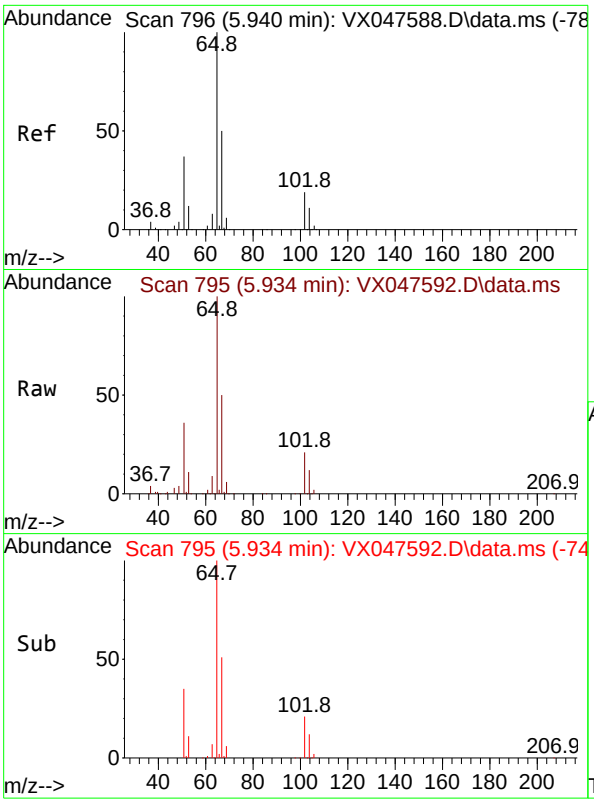


#32
1,1,1-Trichloroethane
Concen: 48.978 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 97 Resp: 197711

Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.6	76.0
61	44.6	35.8	53.8

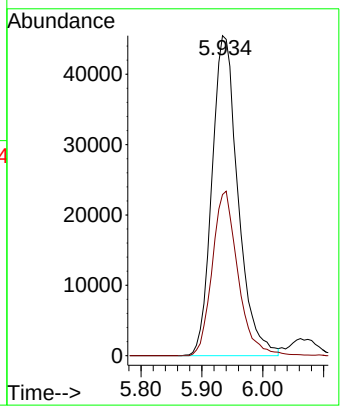




#33
1,2-Dichloroethane-d4
Concen: 45.550 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 65 Resp: 13520

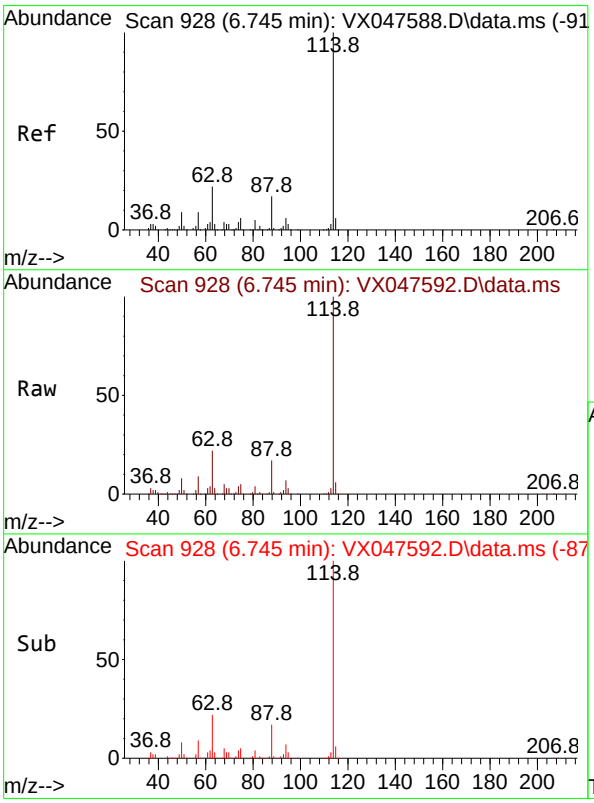
Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

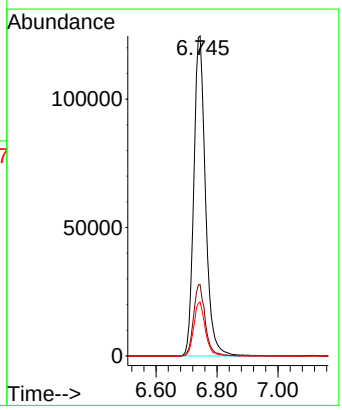
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

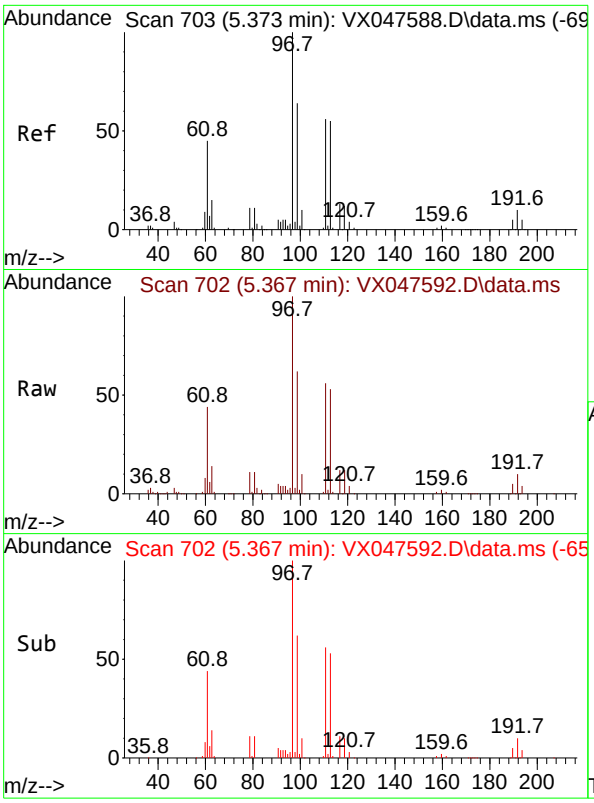


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:114 Resp: 331837

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	16.8	0.0	34.2

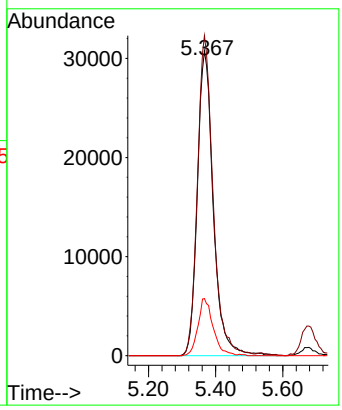




#35
Dibromofluoromethane
Concen: 45.559 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:113 Resp: 10139

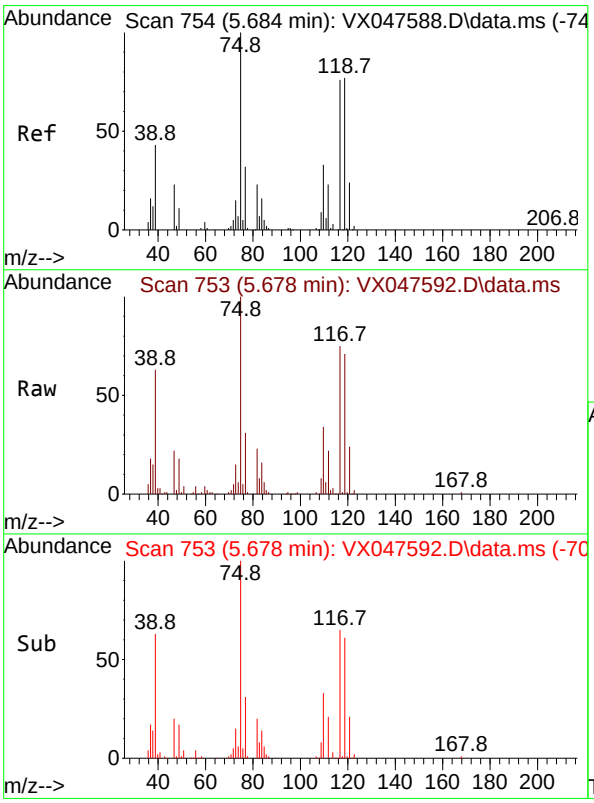
Ion	Ratio	Lower	Upper
113	100		
111	103.2	80.9	121.3
192	17.9	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

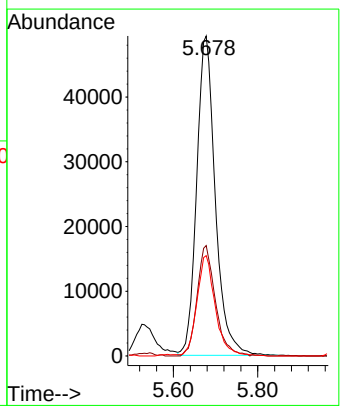
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

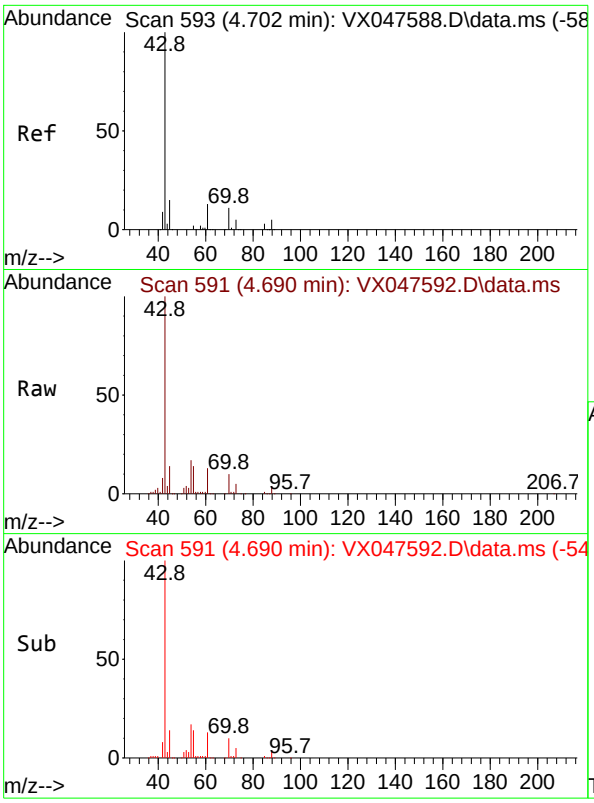


#36
1,1-Dichloropropene
Concen: 46.663 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 151745

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.7	50.1
77	31.0	24.3	36.5





#37
Ethyl Acetate
Concen: 49.241 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

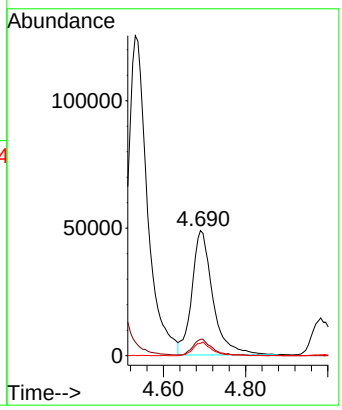
Tgt Ion: 43 Resp: 17145

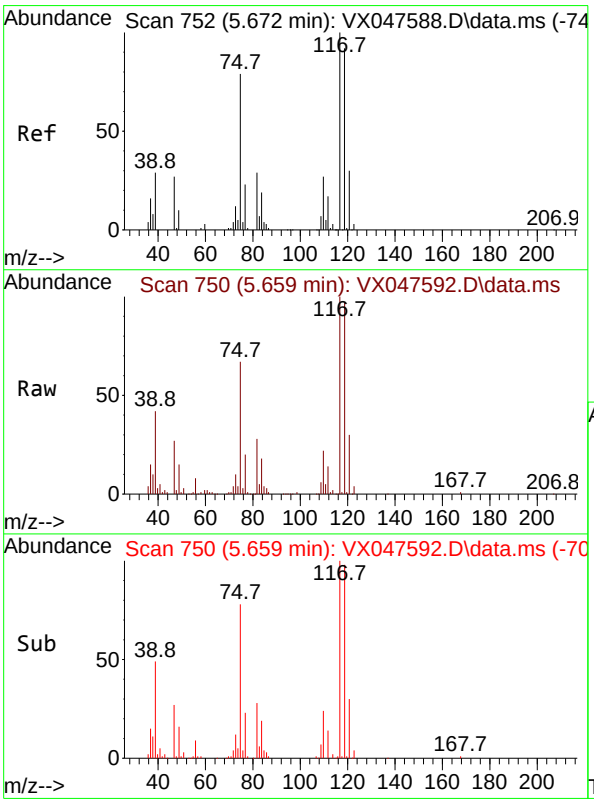
Ion	Ratio	Lower	Upper
43	100		
61	10.8	9.8	14.8
70	9.8	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

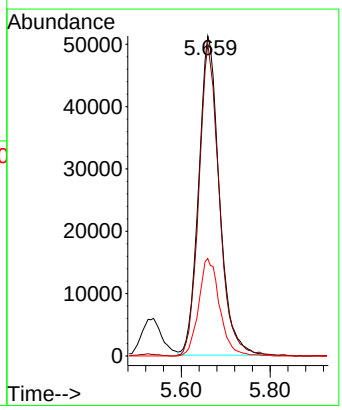


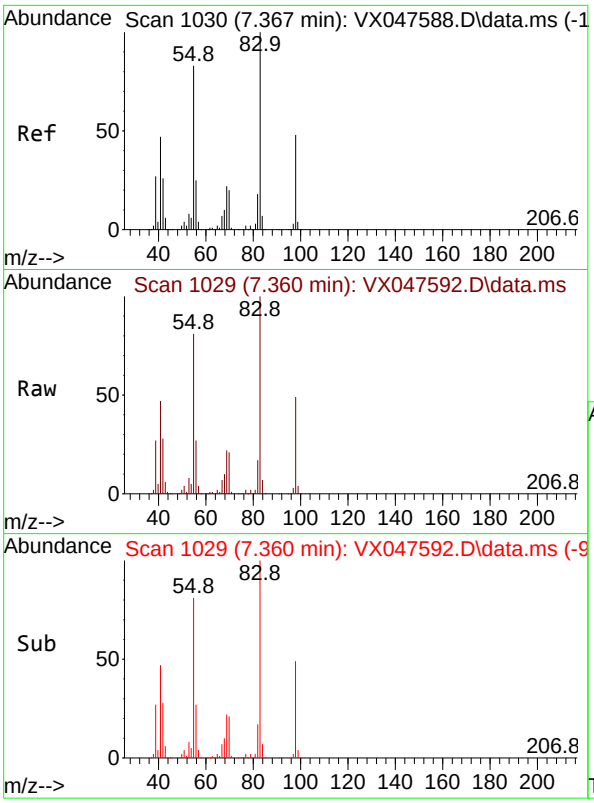


#38
Carbon Tetrachloride
Concen: 46.935 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:117 Resp: 165834

Ion	Ratio	Lower	Upper
117	100		
119	97.6	73.4	110.2
121	30.5	23.8	35.6

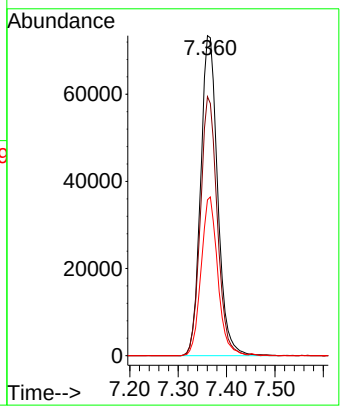




#39
Methylcyclohexane
Concen: 48.597 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 83 Resp: 17939

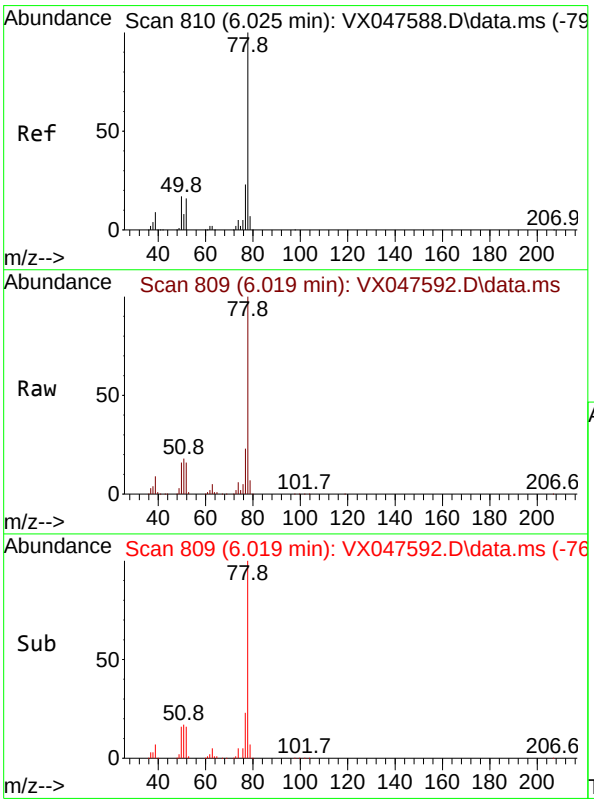
Ion	Ratio	Lower	Upper
83	100		
55	81.0	66.4	99.6
98	48.7	38.1	57.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

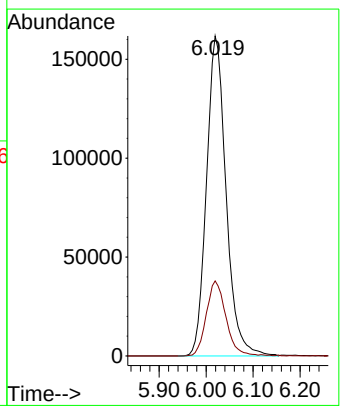
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

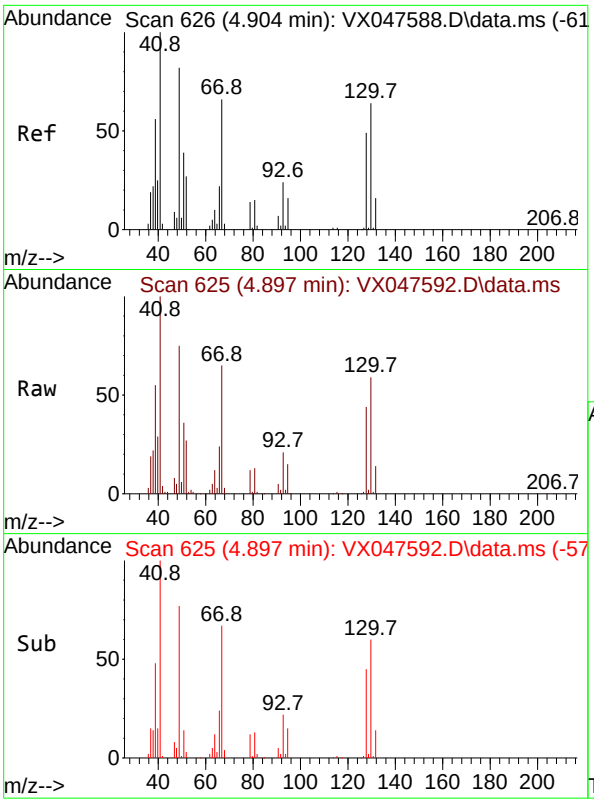


#40
Benzene
Concen: 47.357 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 78 Resp: 467748

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2

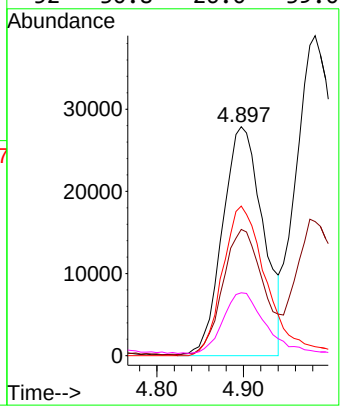




#41
Methacrylonitrile
Concen: 50.490 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 41 Resp: 9075

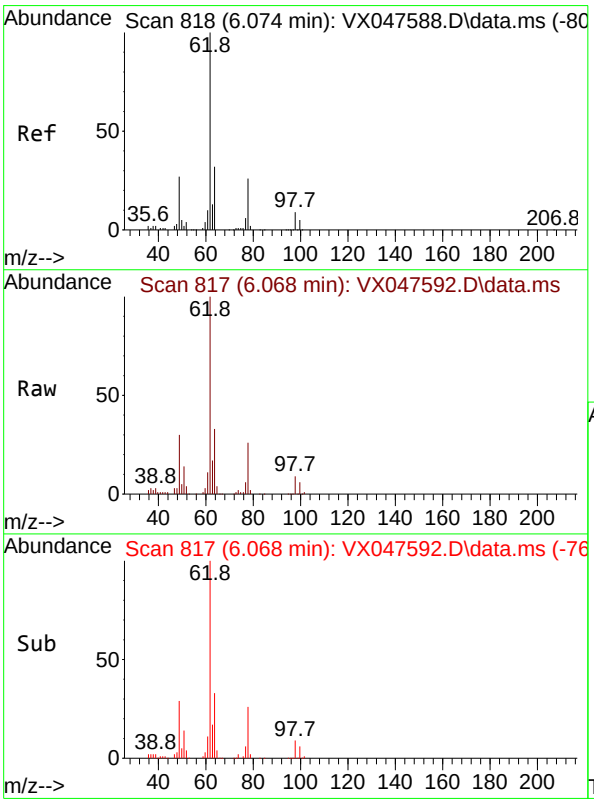
Ion	Ratio	Lower	Upper
41	100		
39	55.9	43.3	64.9
67	72.5	58.6	87.8
52	30.8	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

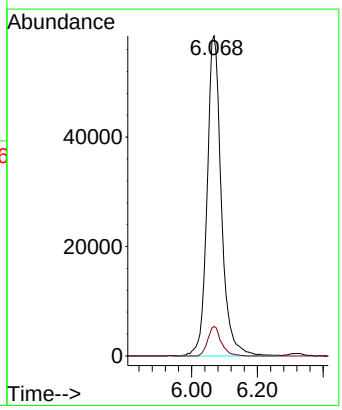
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

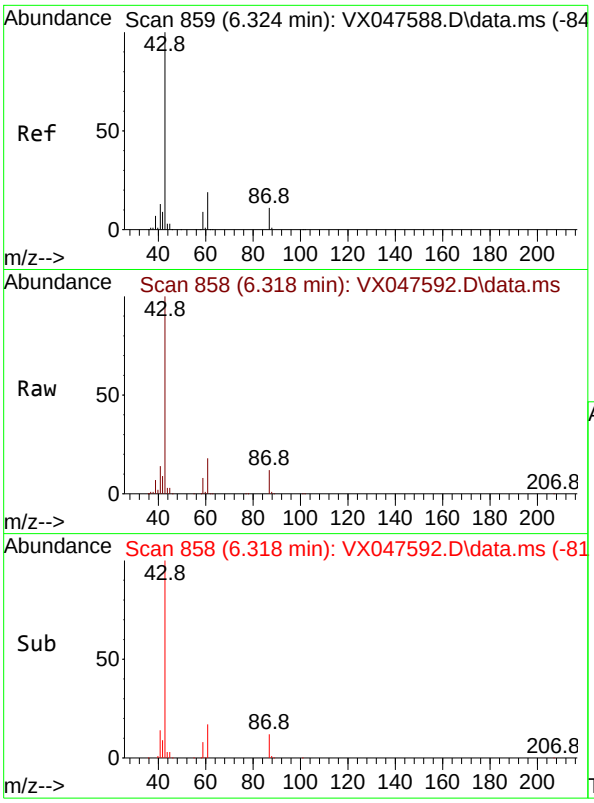


#42
1,2-Dichloroethane
Concen: 46.867 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 62 Resp: 176131

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0

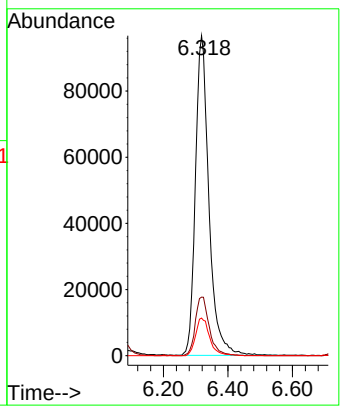




#43
Isopropyl Acetate
Concen: 49.136 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 28059

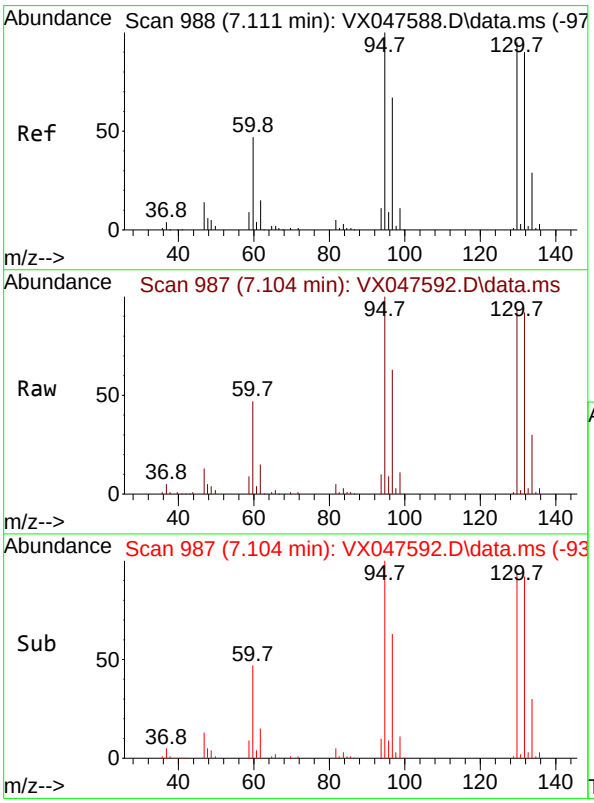
Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.2	22.8
87	12.2	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

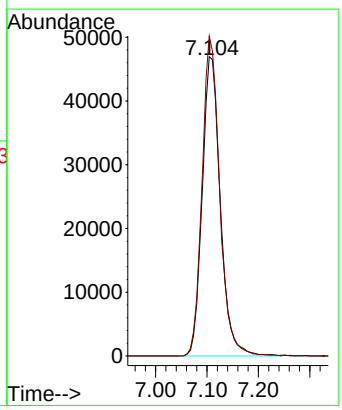
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

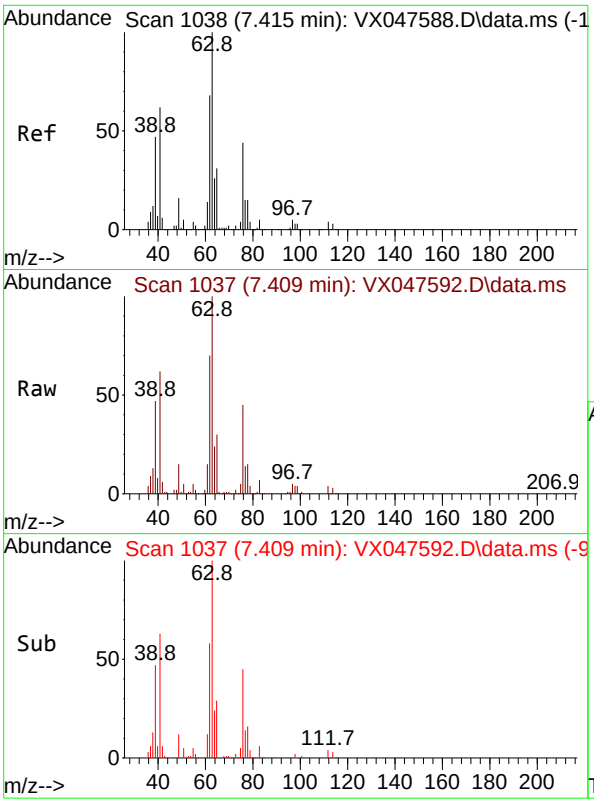


#44
Trichloroethene
Concen: 48.037 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:130 Resp: 114708

Ion	Ratio	Lower	Upper
130	100		
95	107.0	0.0	210.8





#45
1,2-Dichloropropane
Concen: 48.053 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

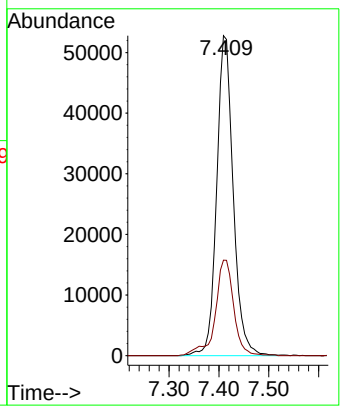
Tgt Ion: 63 Resp: 12153

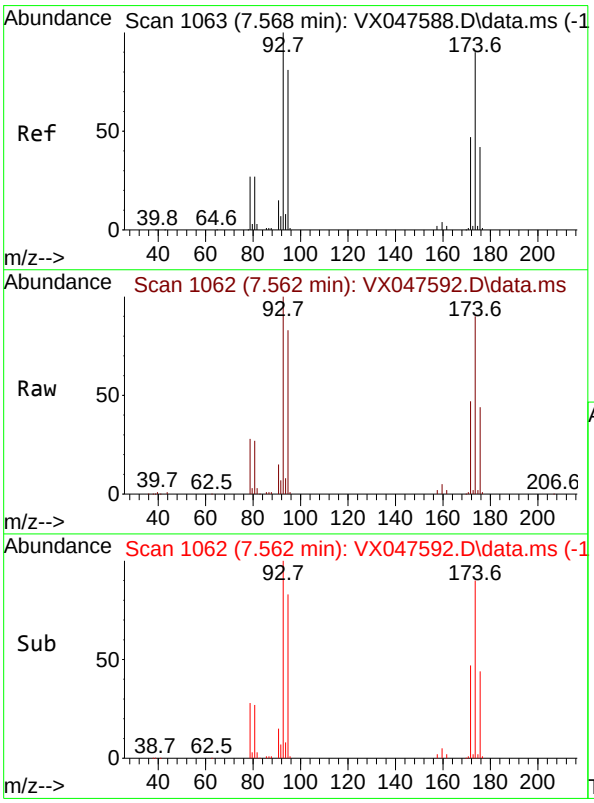
Ion	Ratio	Lower	Upper
63	100		
65	29.8	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

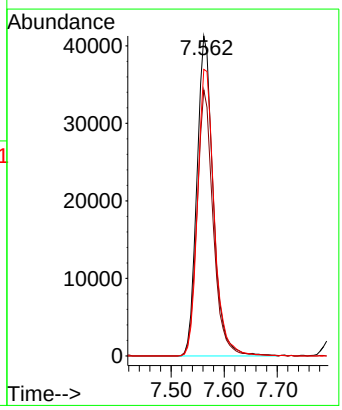


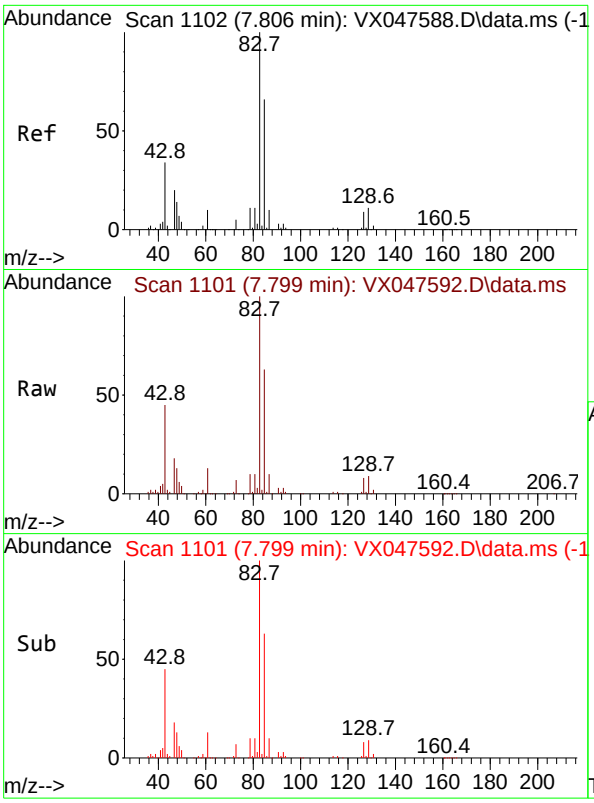


#46
Dibromomethane
Concen: 47.976 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 93 Resp: 88297

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.0	97.6
174	91.3	71.6	107.4

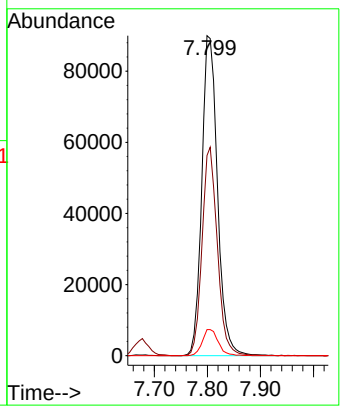




#47
Bromodichloromethane
Concen: 48.769 ug/l
RT: 7.799 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 83 Resp: 18521

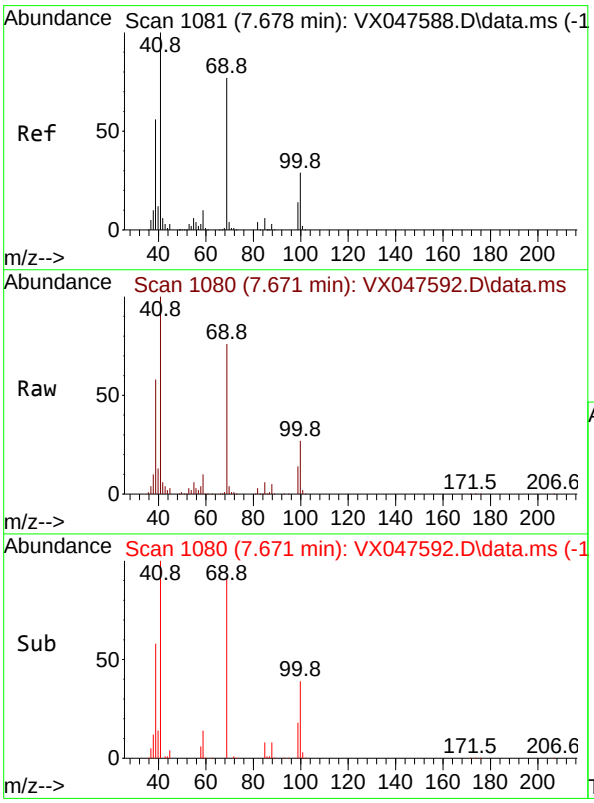
Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.5	78.7
127	8.1	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

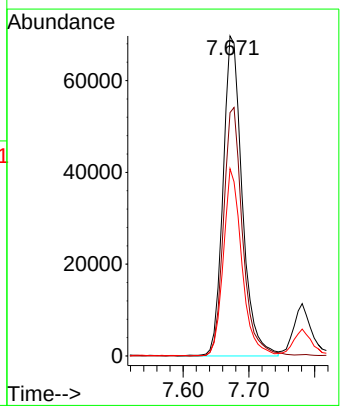
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

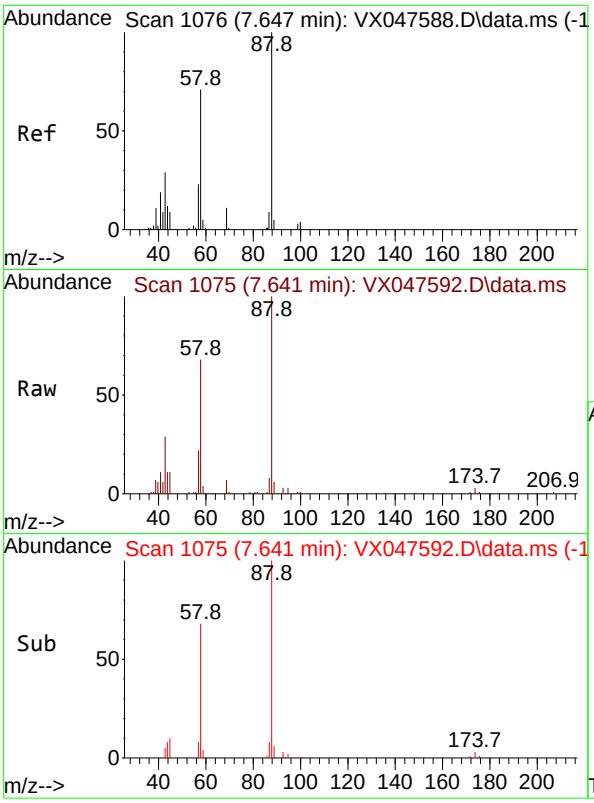


#48
Methyl methacrylate
Concen: 49.757 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 41 Resp: 141532

Ion	Ratio	Lower	Upper
41	100		
69	77.1	61.4	92.2
39	56.4	45.8	68.6

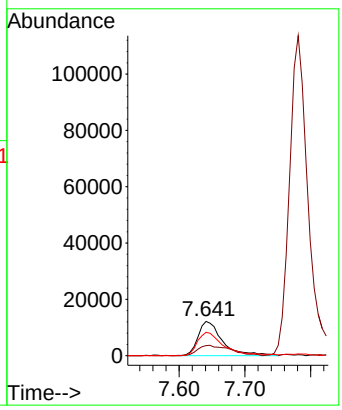




#49
1,4-Dioxane
Concen: 1089.520 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 88 Resp: 3132

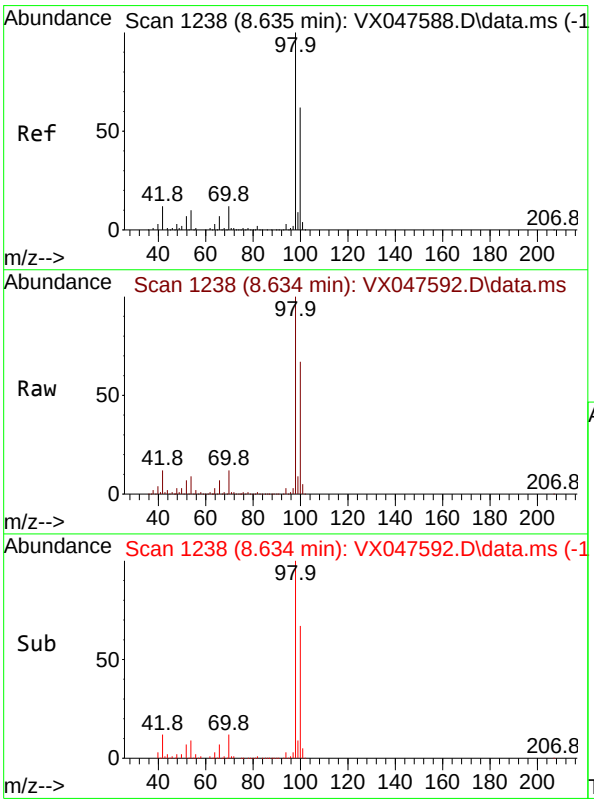
Ion	Ratio	Lower	Upper
88	100		
43	40.9	30.2	45.2
58	74.1	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

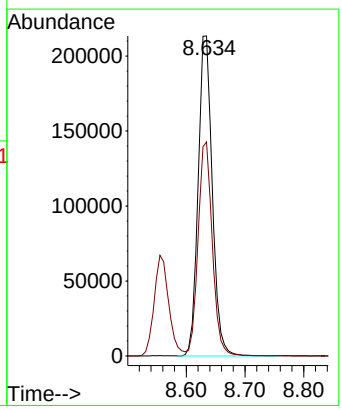
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

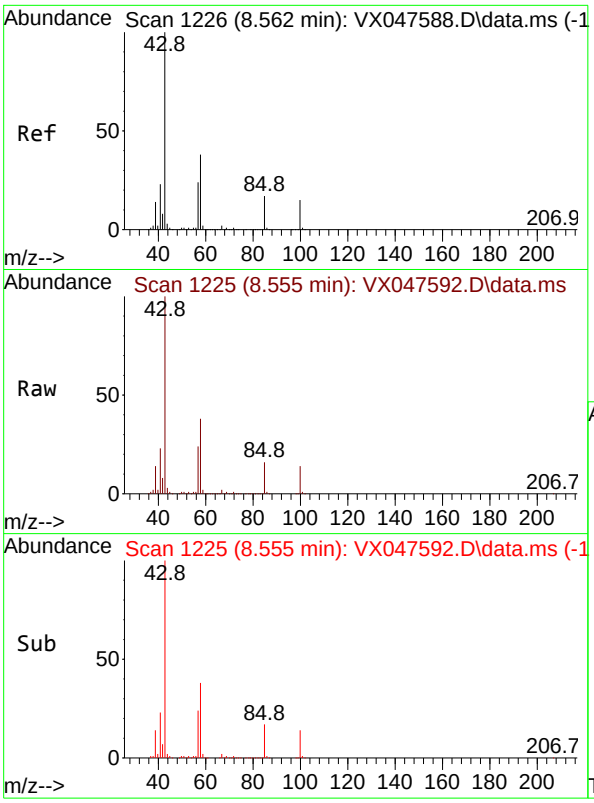


#50
Toluene-d8
Concen: 46.411 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 98 Resp: 357393

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.0	79.4

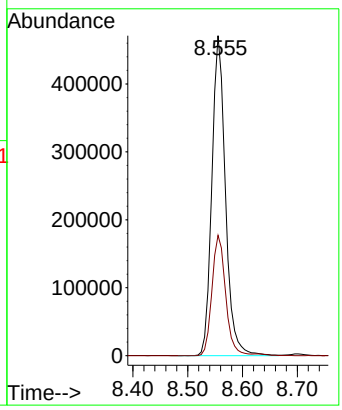




#51
4-Methyl-2-Pentanone
Concen: 255.752 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 80975

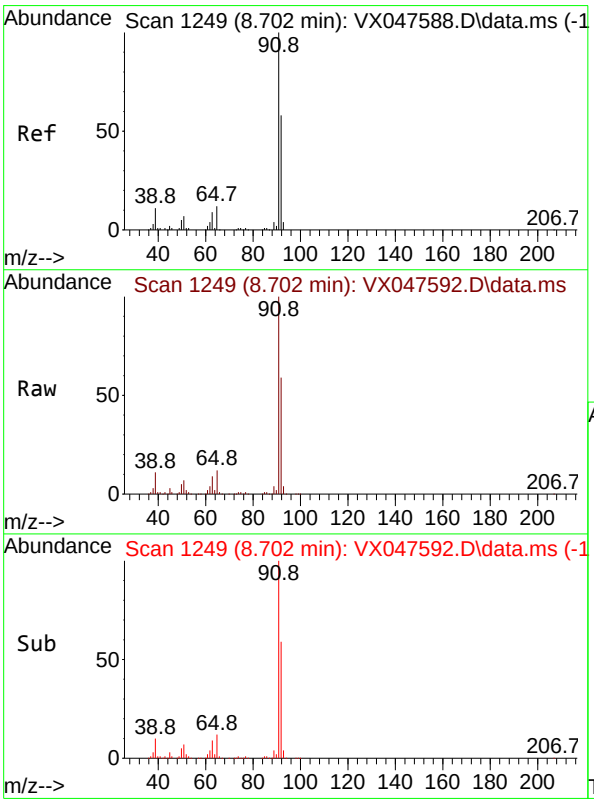
Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

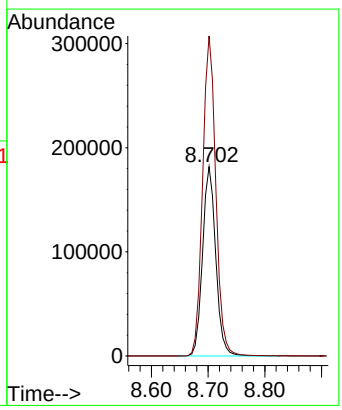
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

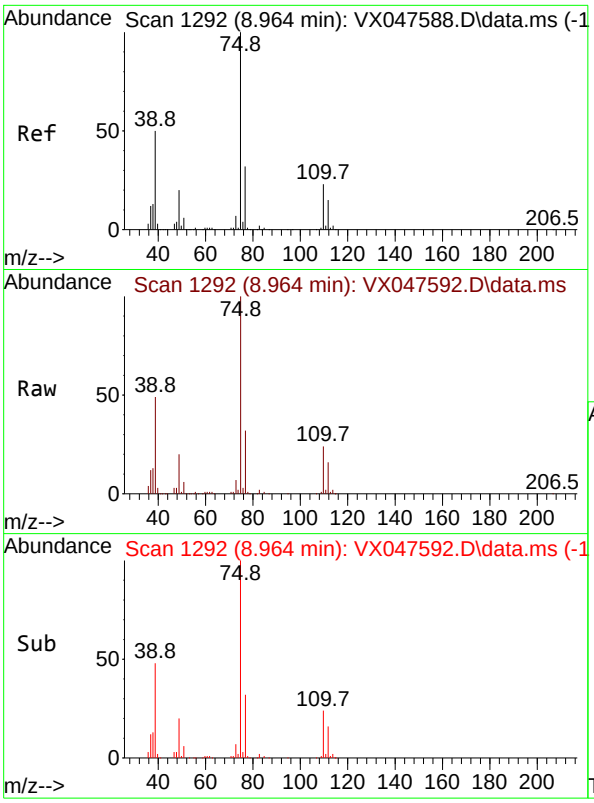


#52
Toluene
Concen: 48.130 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 92 Resp: 292879

Ion	Ratio	Lower	Upper
92	100		
91	169.4	137.1	205.7

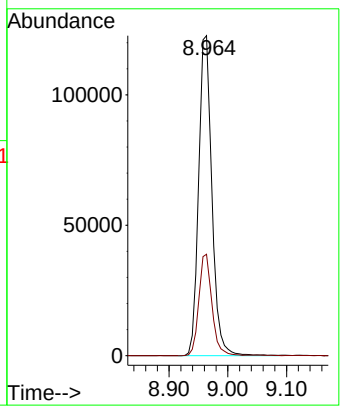




#53
t-1,3-Dichloropropene
Concen: 49.527 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 19186

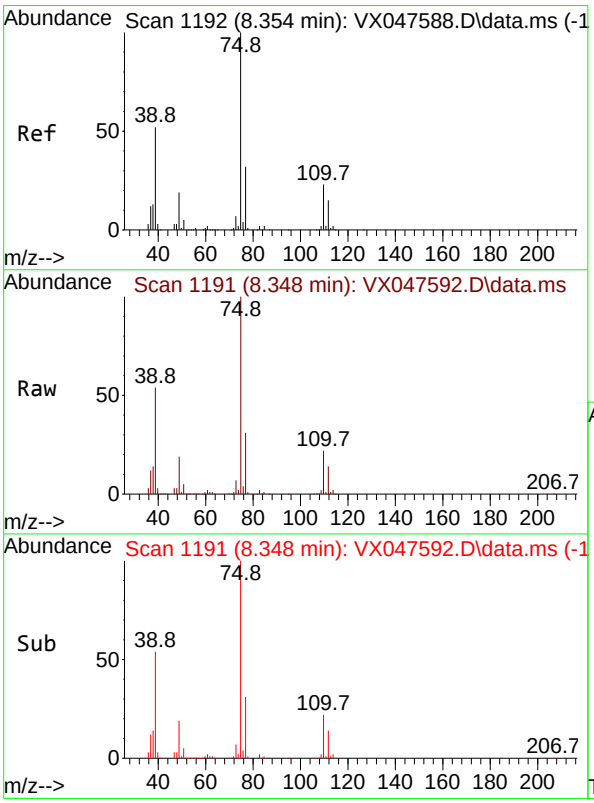
Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

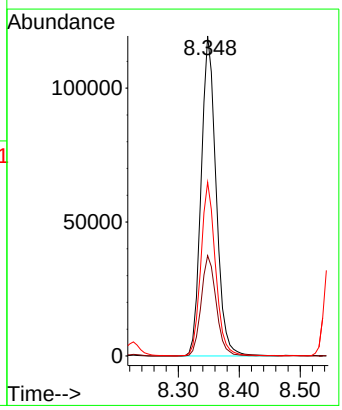
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

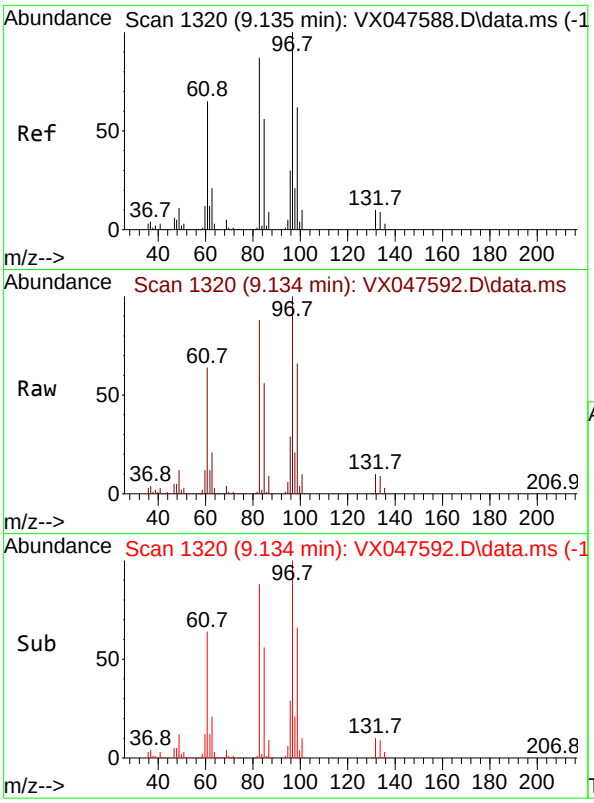


#54
cis-1,3-Dichloropropene
Concen: 49.257 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 203954

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.8	38.6
39	54.2	41.4	62.2

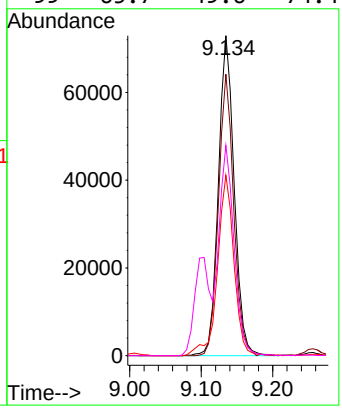




#55
1,1,2-Trichloroethane
Concen: 47.772 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 97 Resp: 11209

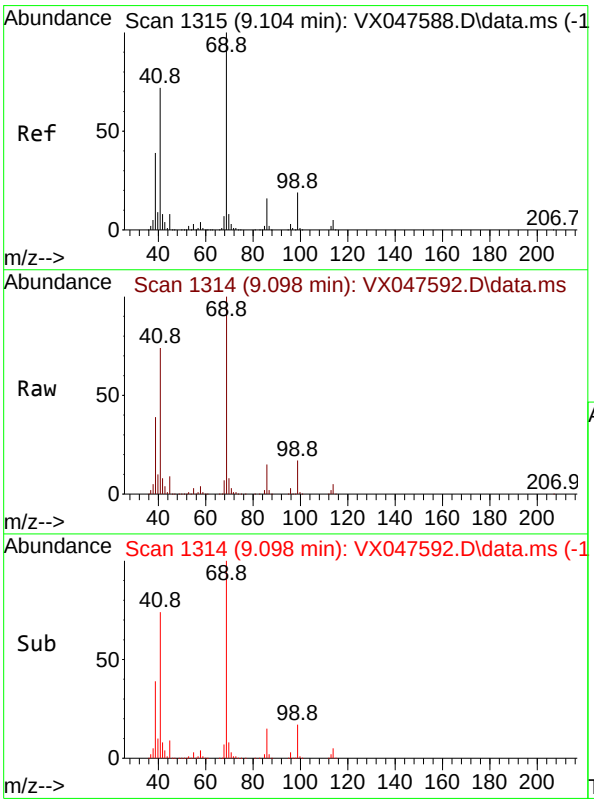
Ion	Ratio	Lower	Upper
97	100		
83	87.9	69.6	104.4
85	56.4	45.0	67.6
99	65.7	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

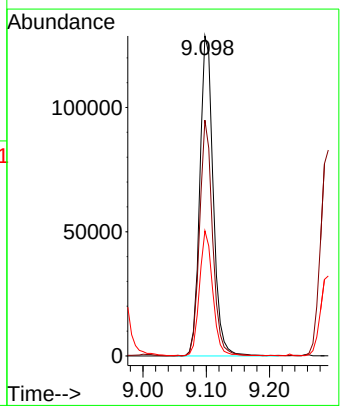
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

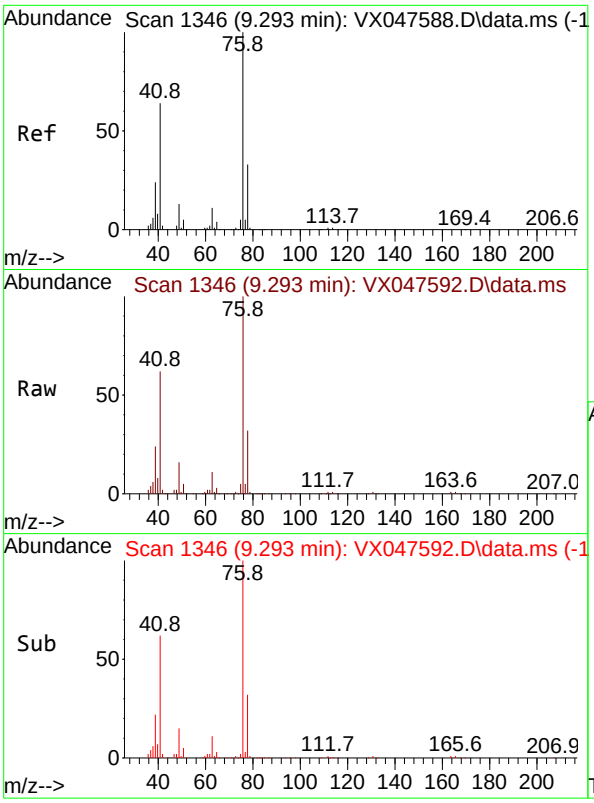


#56
Ethyl methacrylate
Concen: 51.490 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 69 Resp: 189741

Ion	Ratio	Lower	Upper
69	100		
41	71.7	58.6	87.8
39	39.0	31.5	47.3

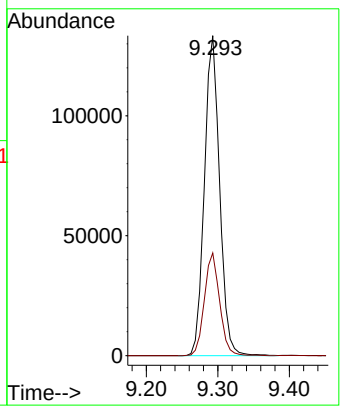




#57
1,3-Dichloropropane
Concen: 48.894 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 76 Resp: 19707

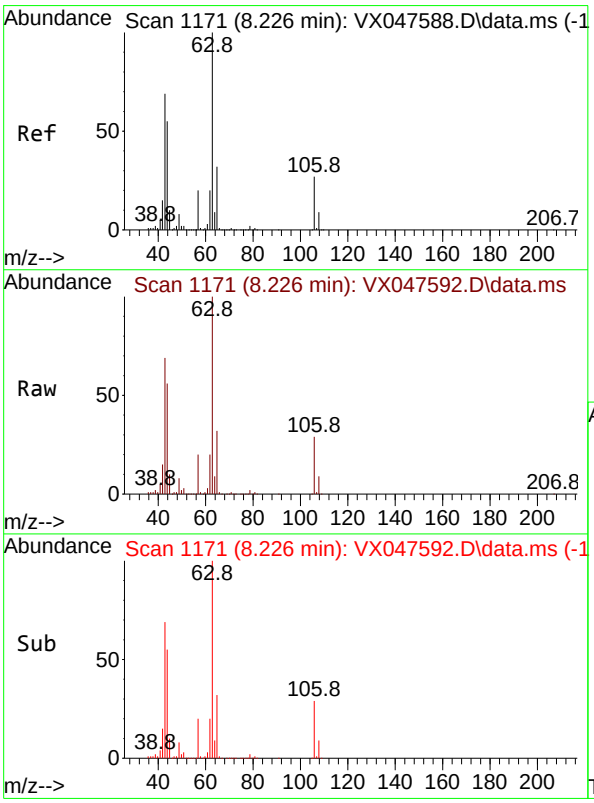
Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

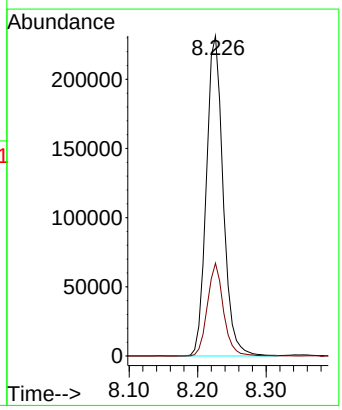
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

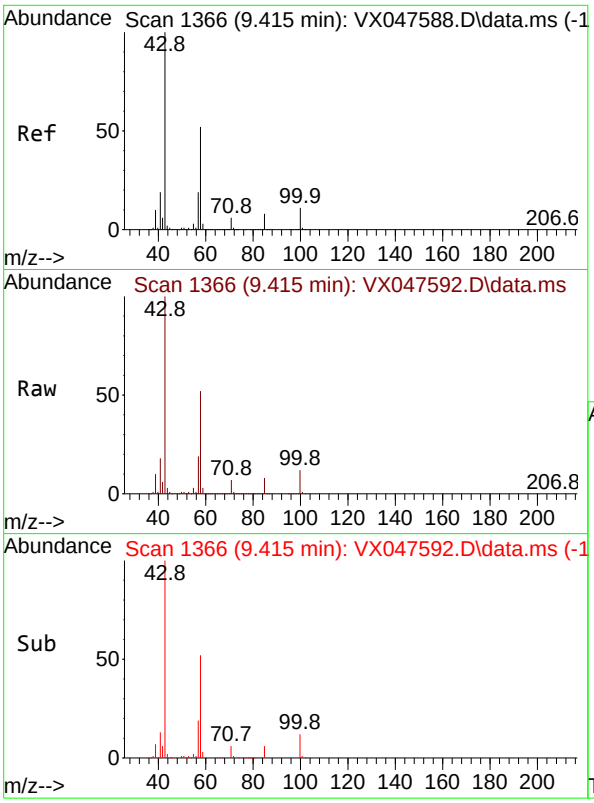


#58
2-Chloroethyl Vinyl ether
Concen: 225.562 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 63 Resp: 394205

Ion	Ratio	Lower	Upper
63	100		
106	27.8	21.9	32.9





#59
2-Hexanone
Concen: 253.126 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

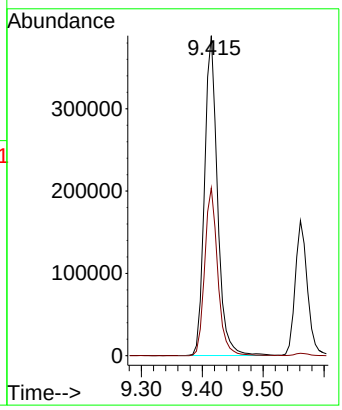
Tgt Ion: 43 Resp: 575599

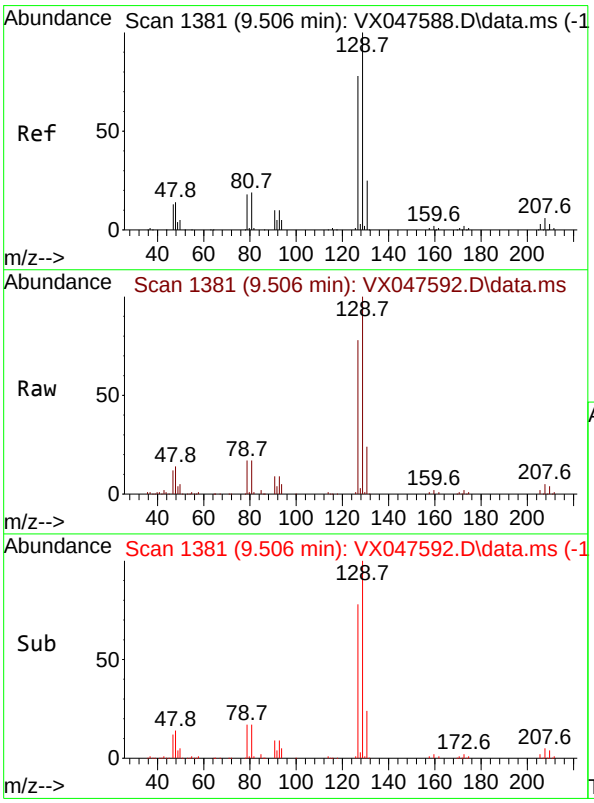
Ion	Ratio	Lower	Upper
43	100		
58	52.6	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

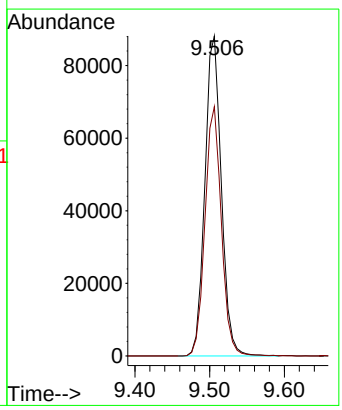


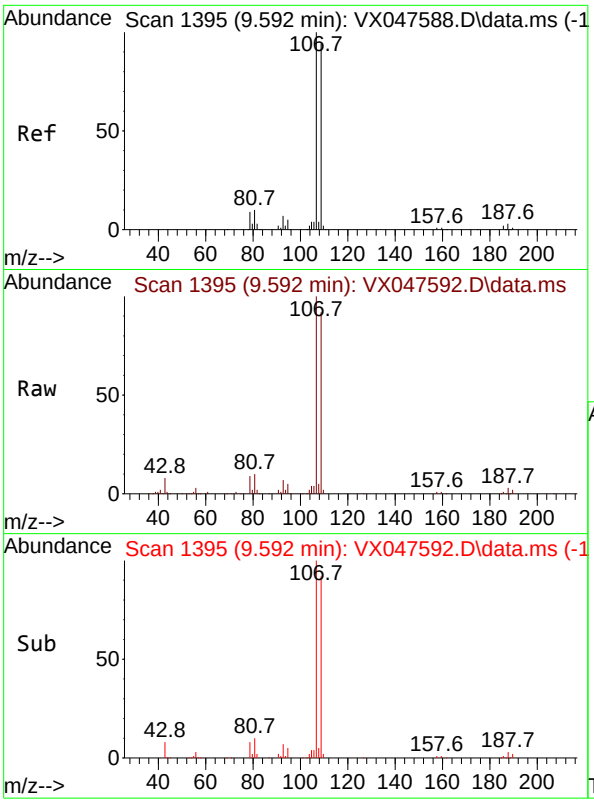


#60
Dibromochloromethane
Concen: 49.824 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:129 Resp: 134704

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.4	115.2

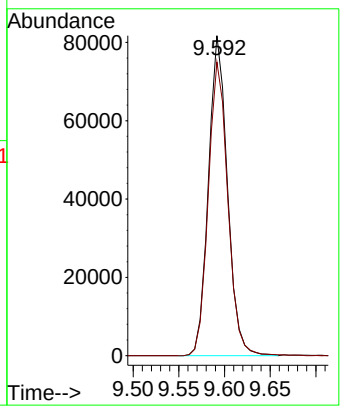




#61
1,2-Dibromoethane
Concen: 49.297 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:107 Resp: 11781

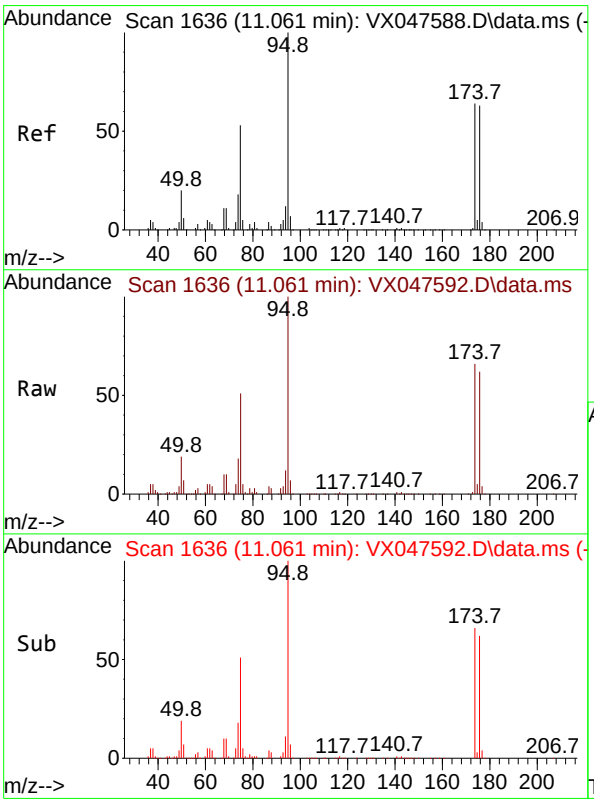
Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

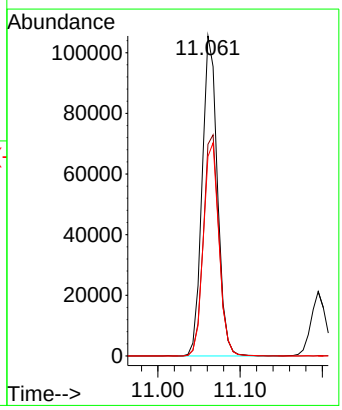
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

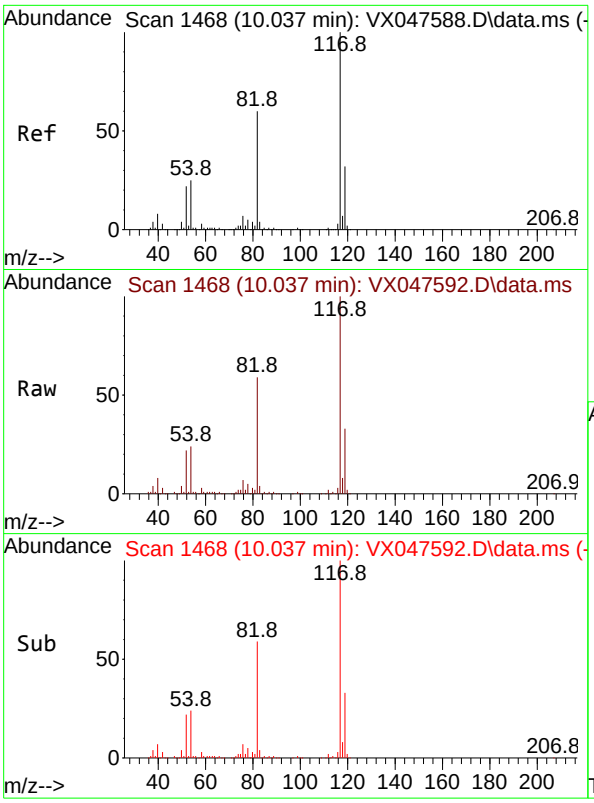


#62
4-Bromofluorobenzene
Concen: 46.520 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 95 Resp: 135957

Ion	Ratio	Lower	Upper
95	100		
174	70.3	0.0	141.6
176	68.0	0.0	138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

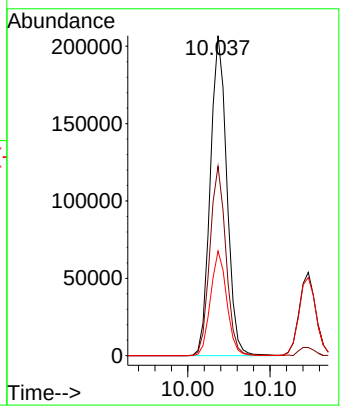
Tgt Ion:117 Resp: 28866

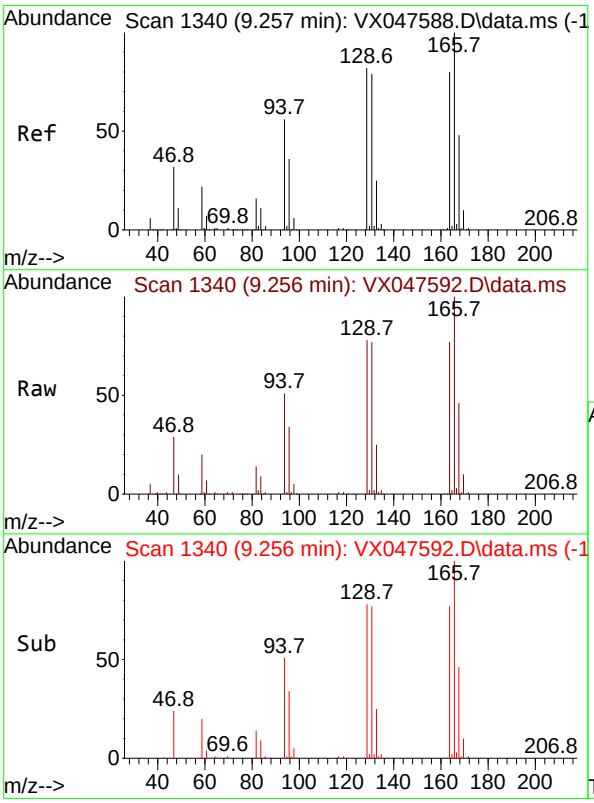
Ion	Ratio	Lower	Upper
117	100		
82	59.2	47.8	71.6
119	32.7	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

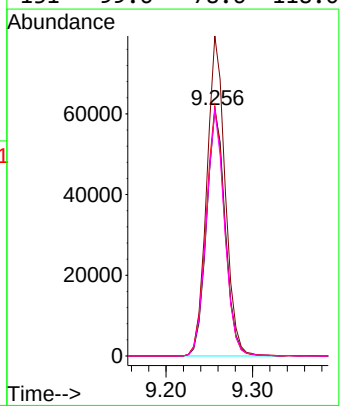


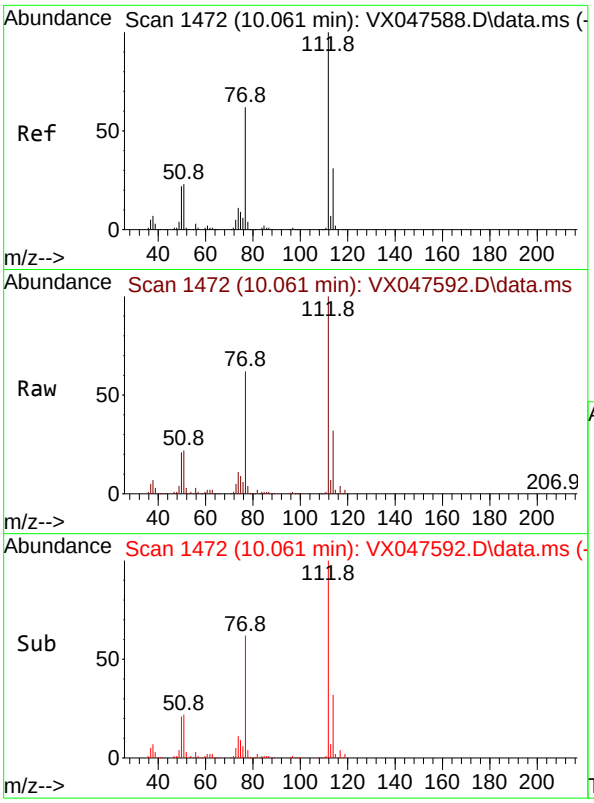


#64
Tetrachloroethene
Concen: 48.296 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:164 Resp: 90881

Ion	Ratio	Lower	Upper
164	100		
166	129.8	100.2	150.2
129	101.3	81.8	122.6
131	99.6	78.6	118.0

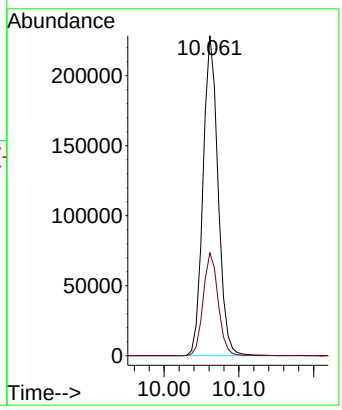




#65
Chlorobenzene
Concen: 48.549 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:112 Resp: 31837

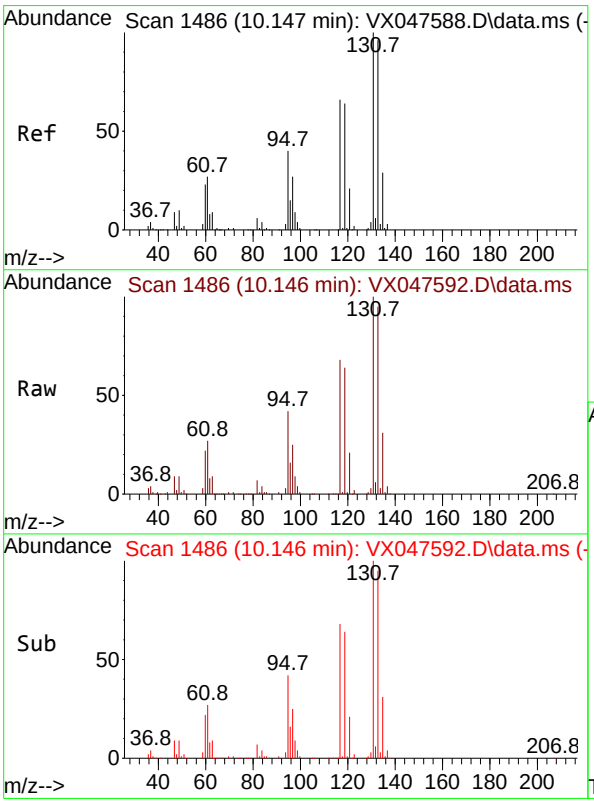
Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

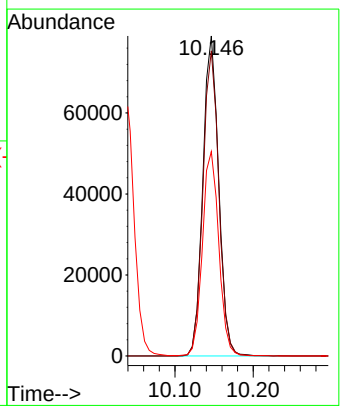
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

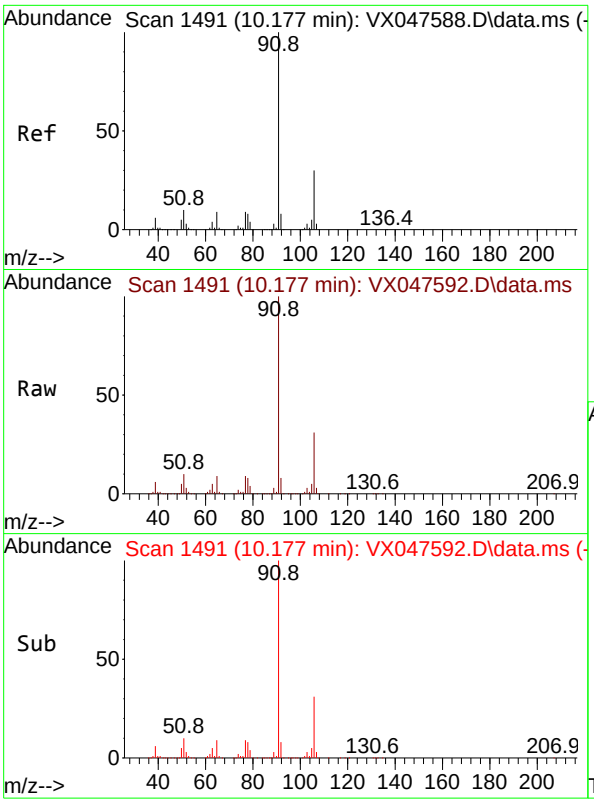


#66
1,1,1,2-Tetrachloroethane
Concen: 48.794 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:131 Resp: 110416

Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.3	142.0
119	66.3	32.0	96.0

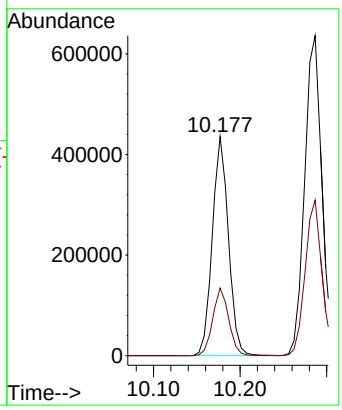




#67
Ethyl Benzene
Concen: 49.813 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 56363

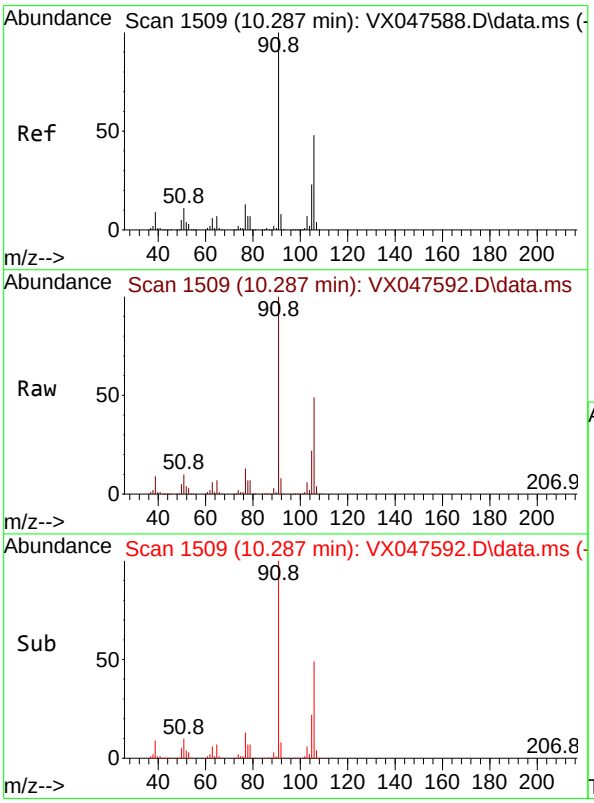
Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

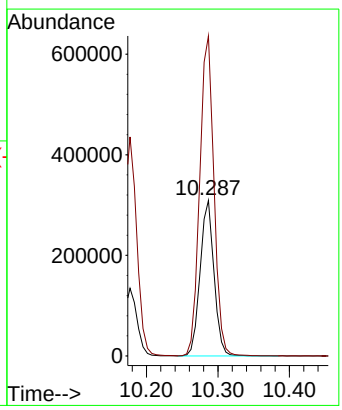
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

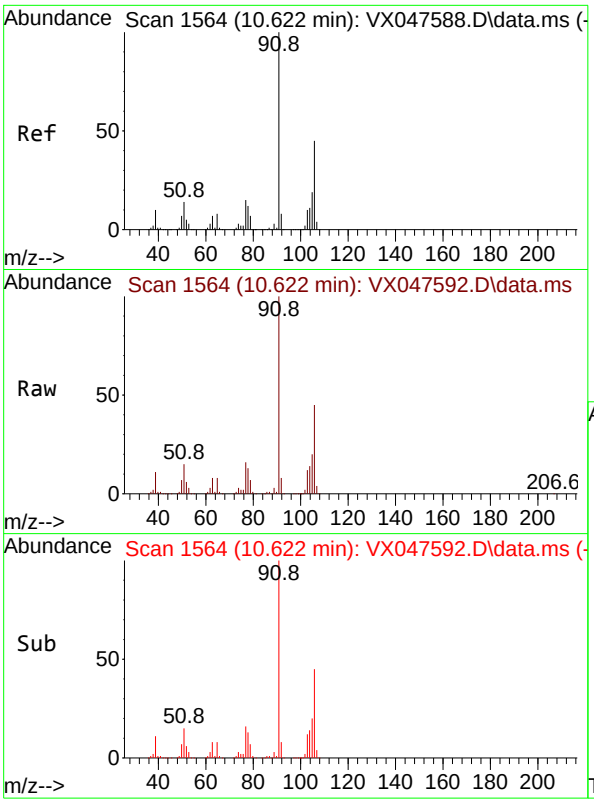


#68
m/p-Xylenes
Concen: 98.956 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:106 Resp: 416757

Ion	Ratio	Lower	Upper
106	100		
91	211.1	167.8	251.8





#69
o-Xylene
Concen: 50.159 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

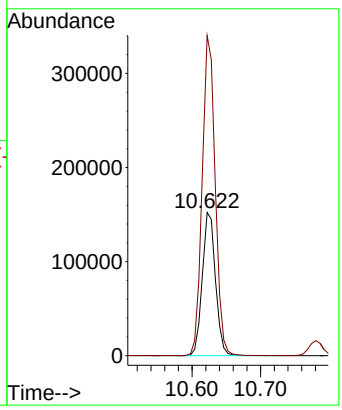
Tgt Ion:106 Resp: 20432

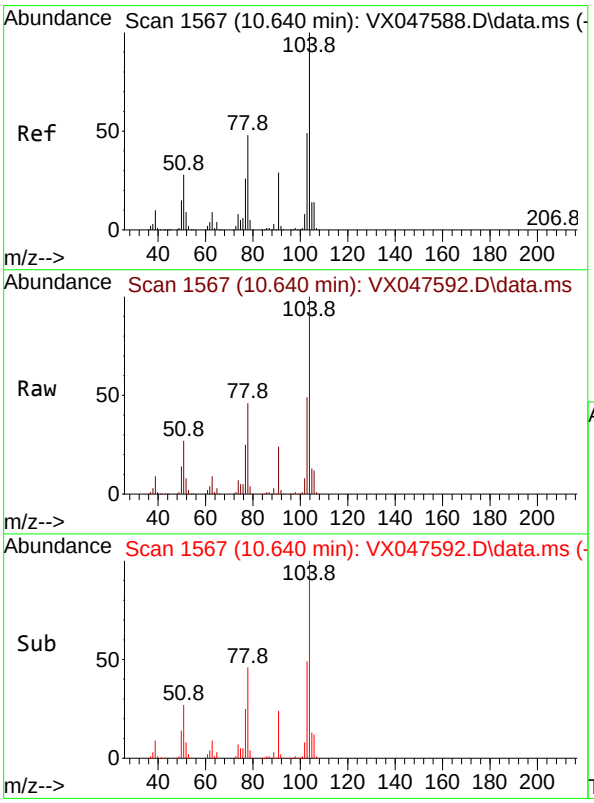
Ion	Ratio	Lower	Upper
106	100		
91	221.0	111.1	333.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

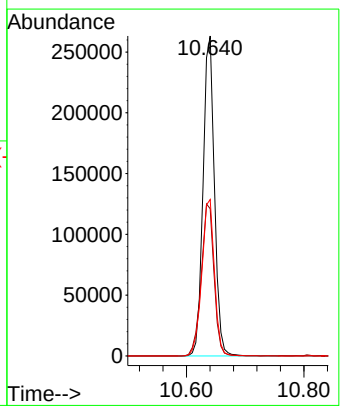


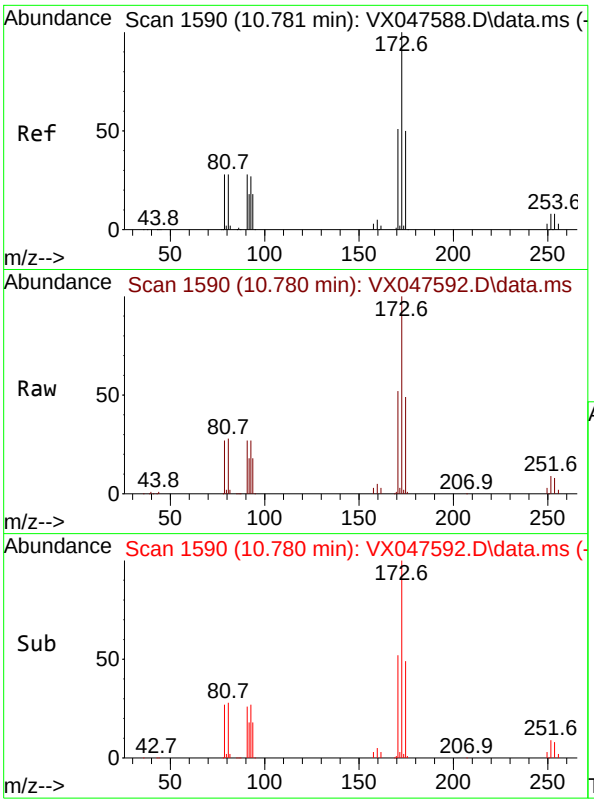


#70
Styrene
Concen: 49.536 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:104 Resp: 353567

Ion	Ratio	Lower	Upper
104	100		
78	53.4	43.1	64.7
103	54.3	43.1	64.7

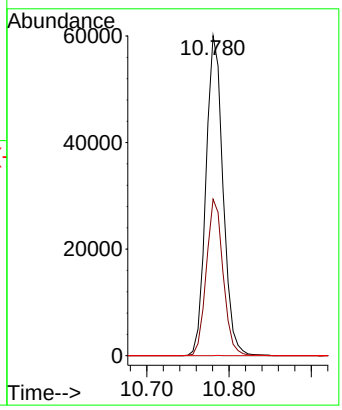




#71
Bromoform
Concen: 51.207 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:173 Resp: 8652

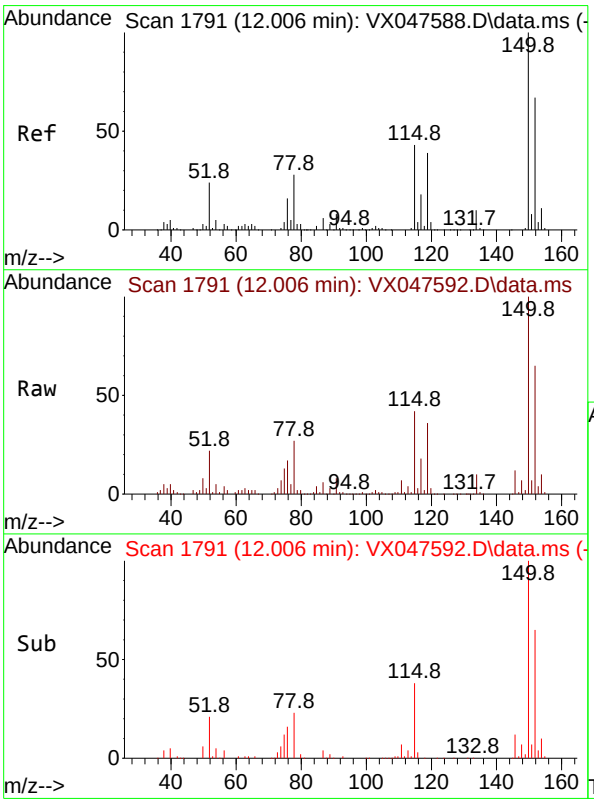
Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.9	74.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

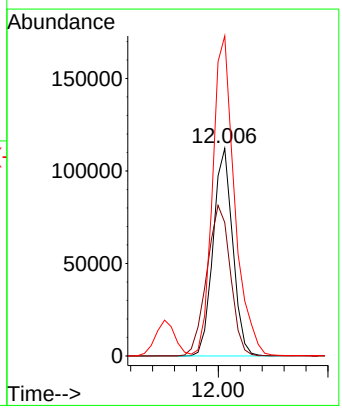
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

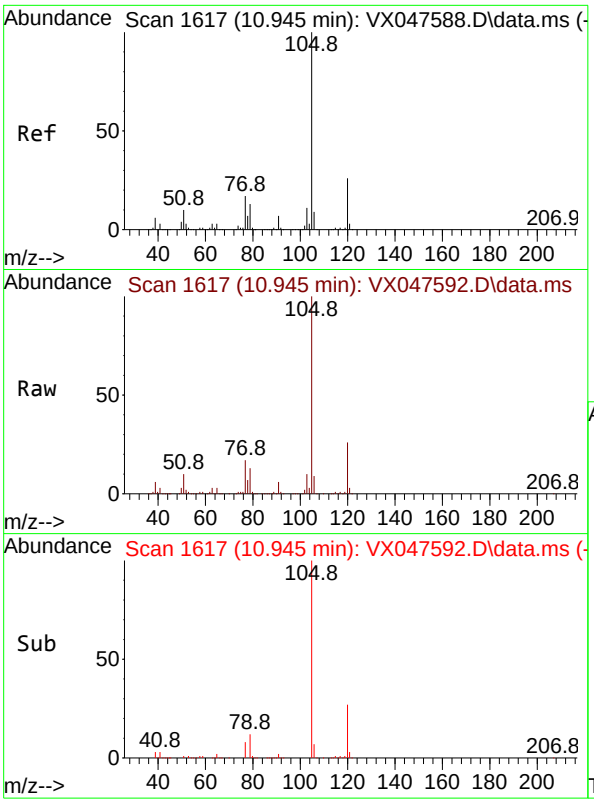


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:152 Resp: 139252

Ion	Ratio	Lower	Upper
152	100		
115	87.5	44.9	134.5
150	173.5	0.0	352.0

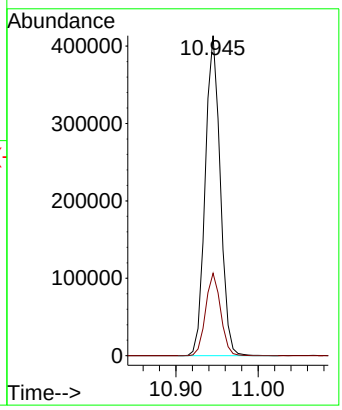




#73
Isopropylbenzene
Concen: 49.479 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:105 Resp: 52382

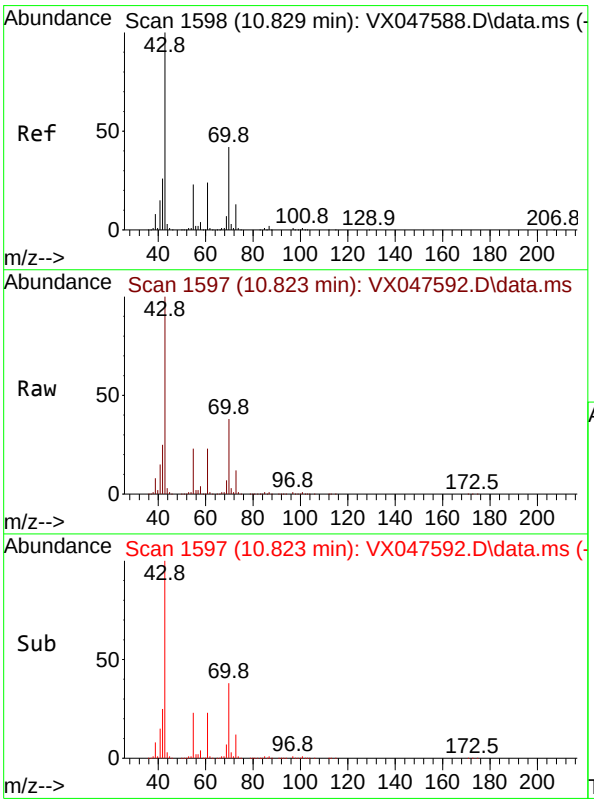
Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

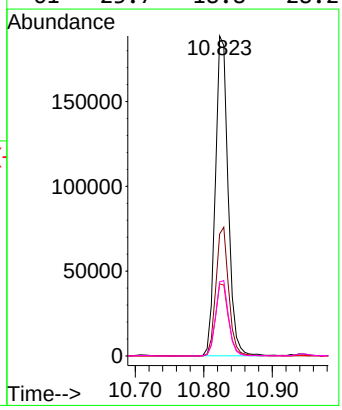
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

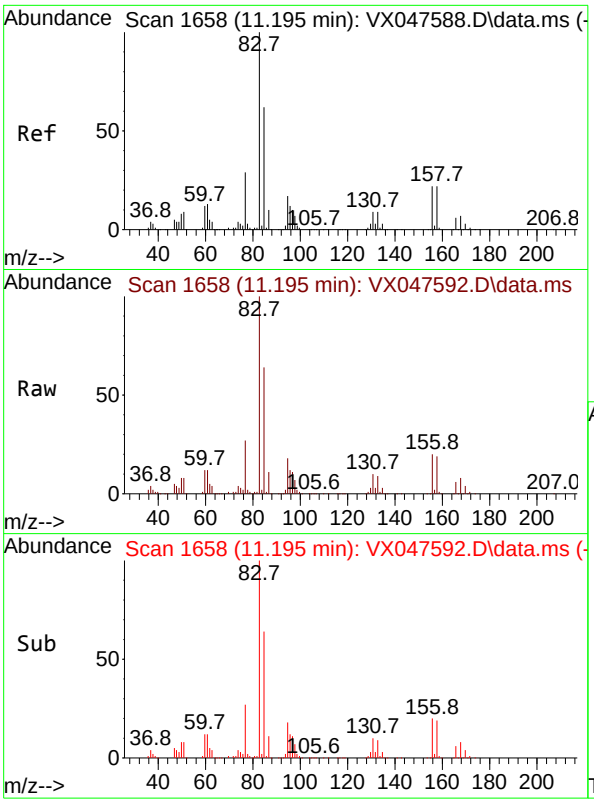


#74
N-amyl acetate
Concen: 50.375 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 243198

Ion	Ratio	Lower	Upper
43	100		
70	40.2	32.0	48.0
55	23.2	18.9	28.3
61	23.7	18.8	28.2

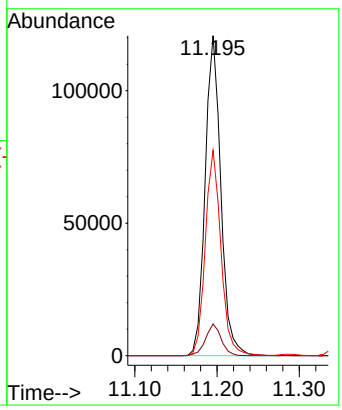




#75
1,1,2,2-Tetrachloroethane
Concen: 49.851 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 83 Resp: 15967

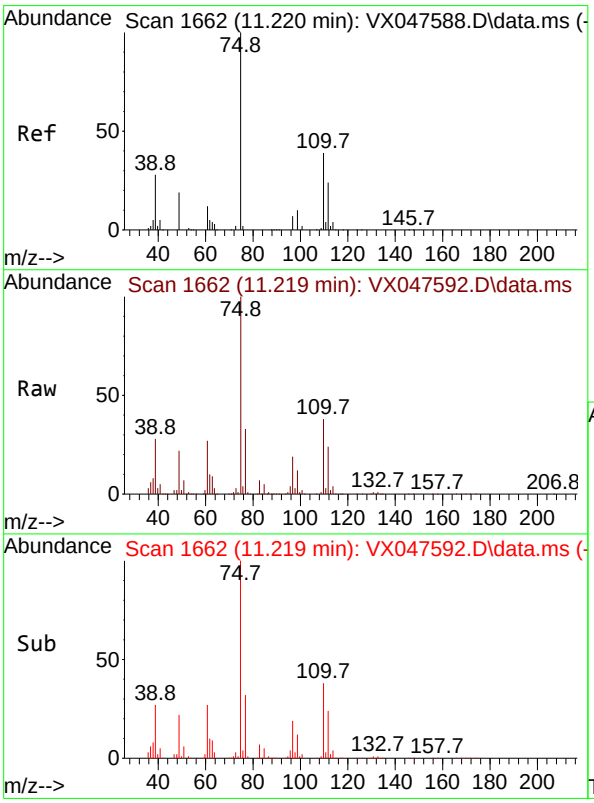
Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	64.2	31.6	95.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

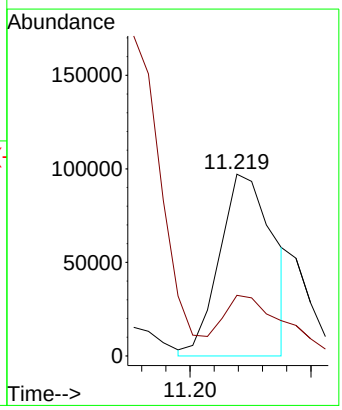
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

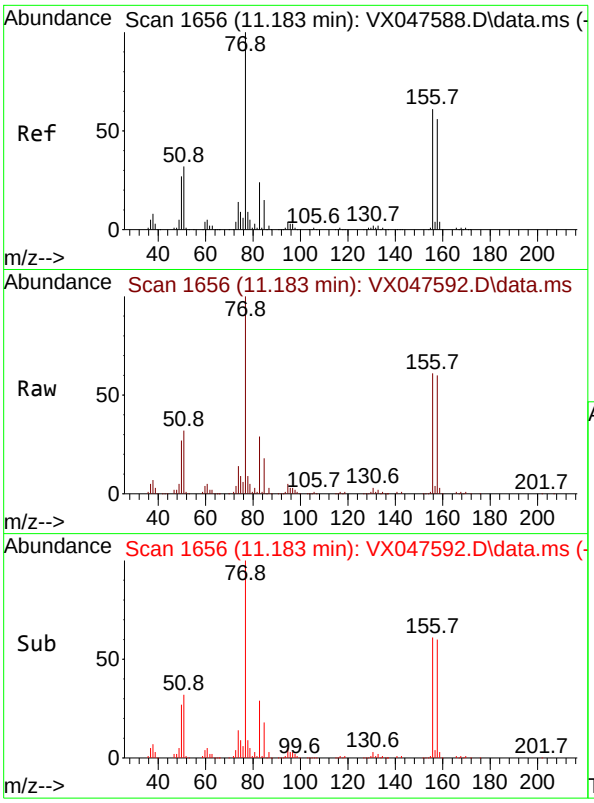


#76
1,2,3-Trichloropropane
Concen: 53.124 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 149779

Ion	Ratio	Lower	Upper
75	100		
77	38.0	18.8	56.4





#77
Bromobenzene
Concen: 48.173 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

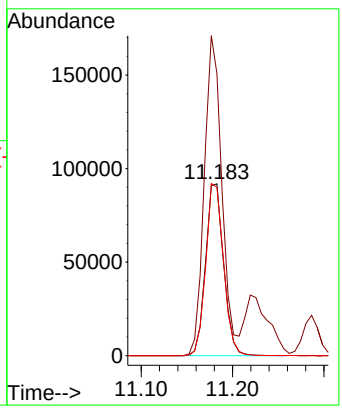
Tgt Ion:156 Resp: 12561

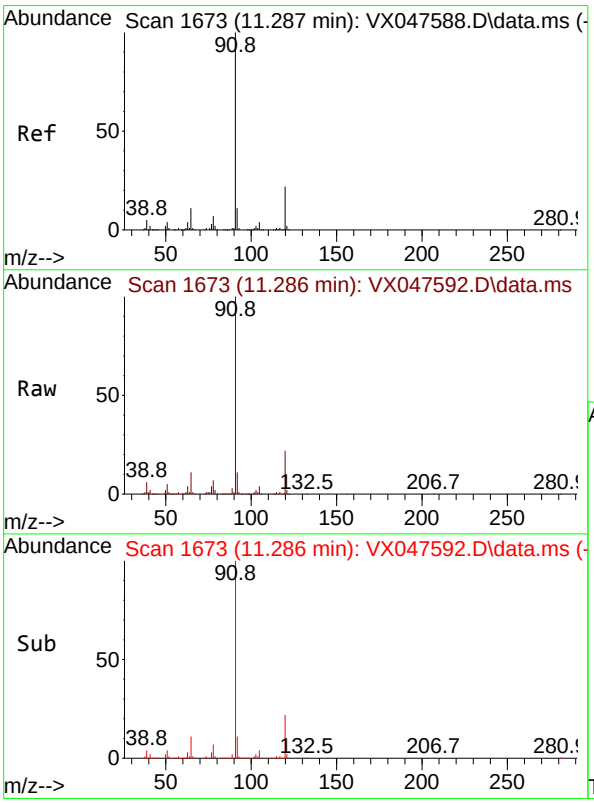
Ion	Ratio	Lower	Upper
156	100		
77	182.2	89.7	269.1
158	99.0	47.9	143.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

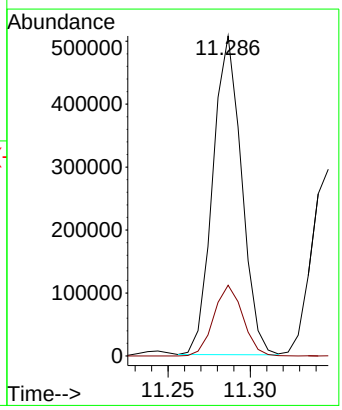


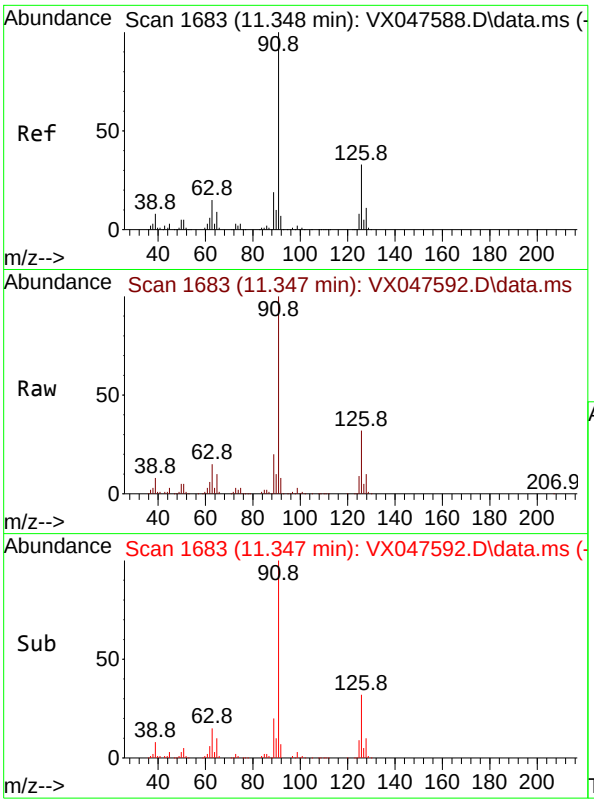


#78
n-propylbenzene
Concen: 49.295 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 616928

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1

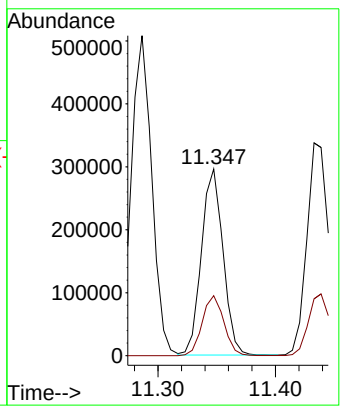




#79
2-Chlorotoluene
Concen: 49.117 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 37648

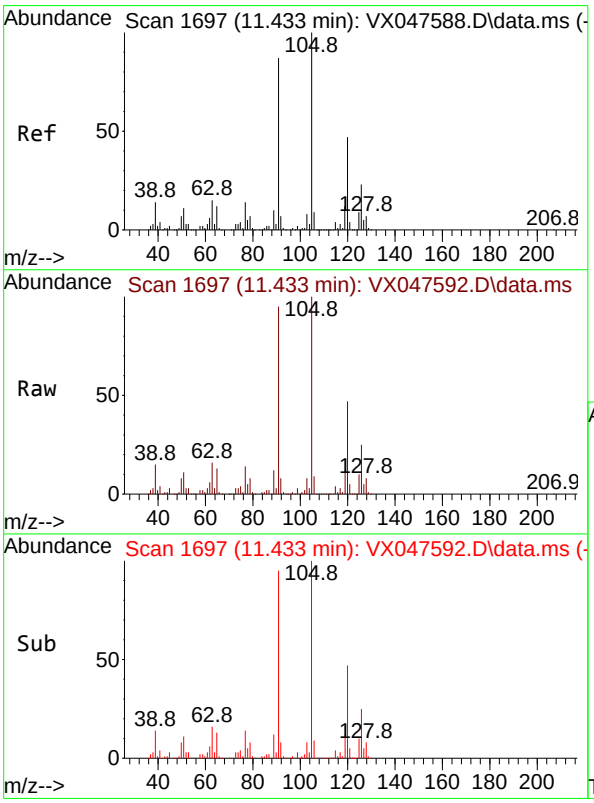
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

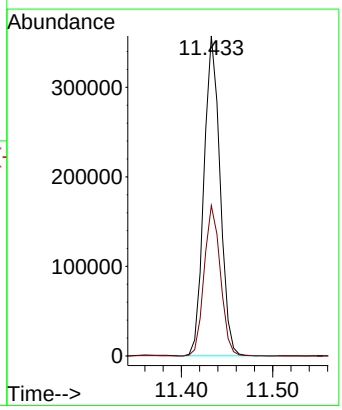
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

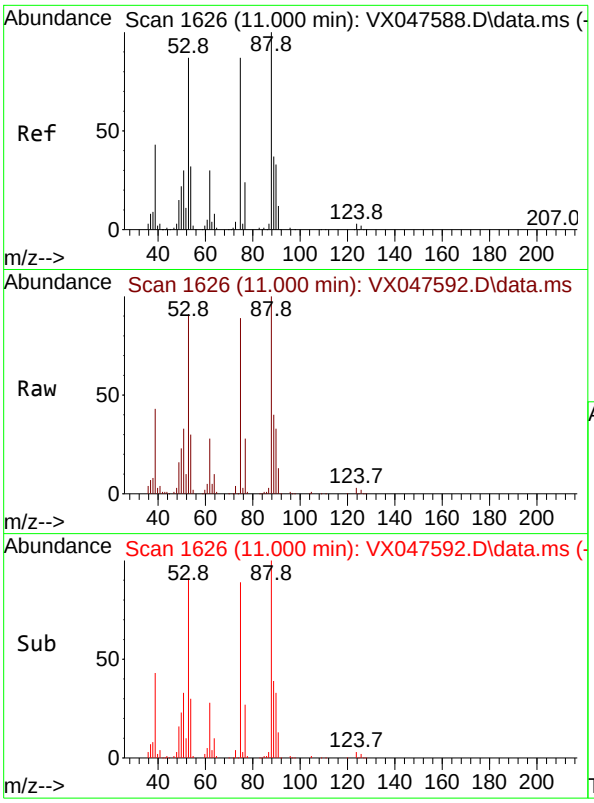


#80
1,3,5-Trimethylbenzene
Concen: 50.055 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:105 Resp: 435375

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 50.543 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

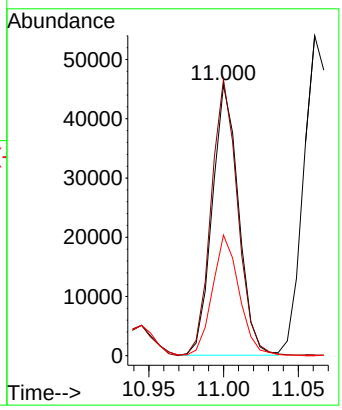
Tgt Ion: 75 Resp: 5588

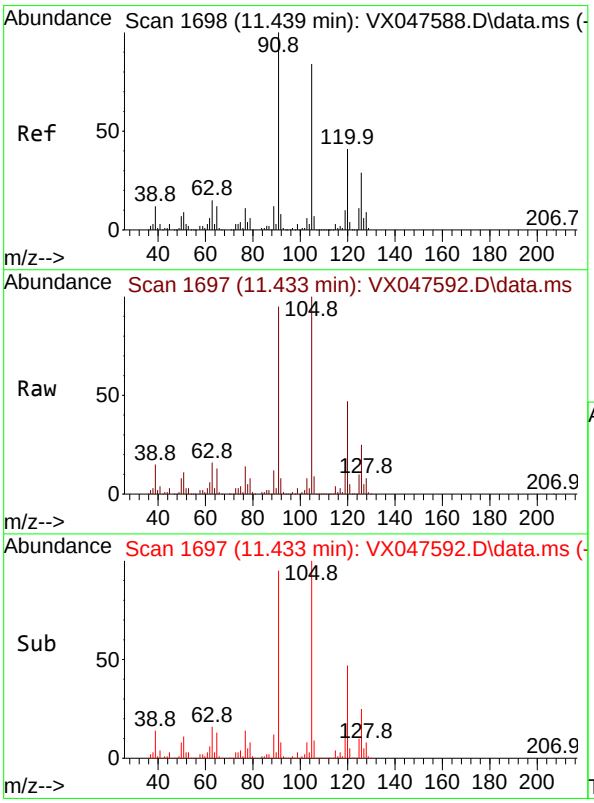
Ion	Ratio	Lower	Upper
75	100		
53	103.4	83.4	125.2
89	45.4	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

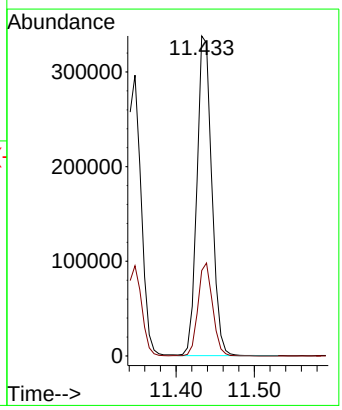


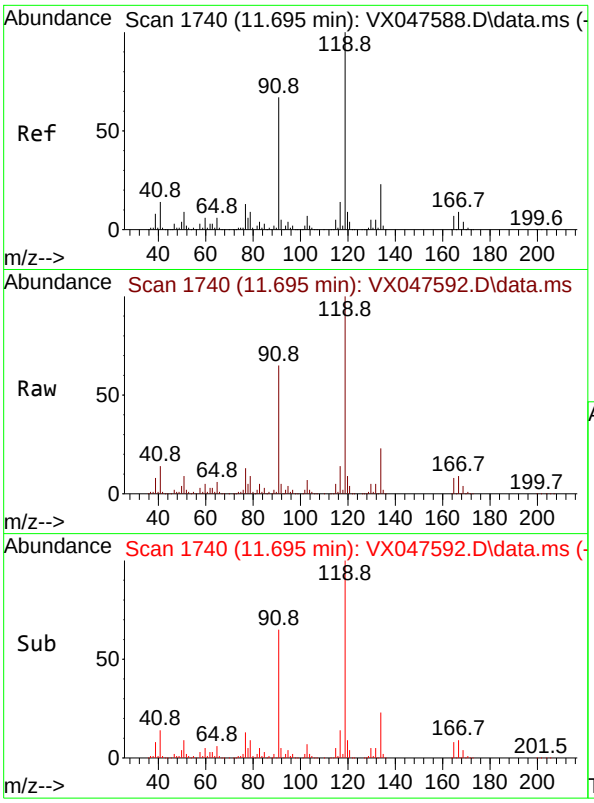


#82
4-Chlorotoluene
Concen: 49.164 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 445075

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6

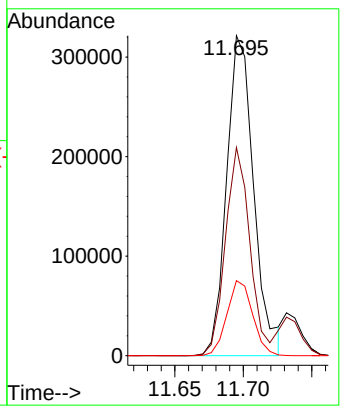




#83
tert-Butylbenzene
Concen: 49.679 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:119 Resp: 44234

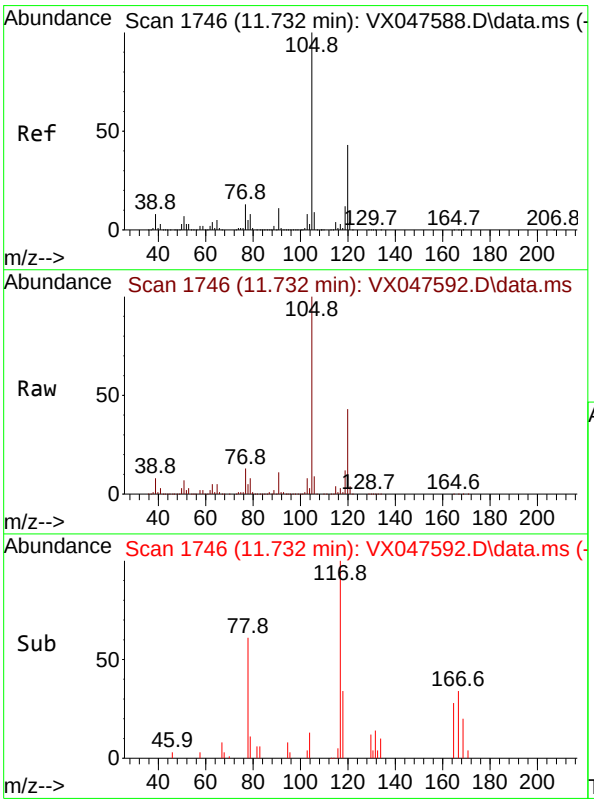
Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.6	88.8
134	22.3	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

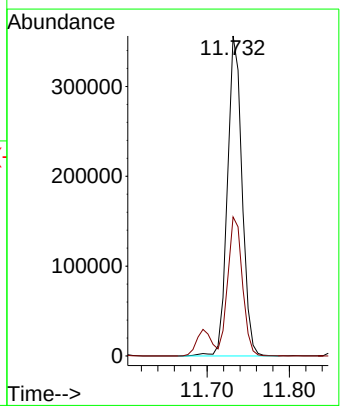
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

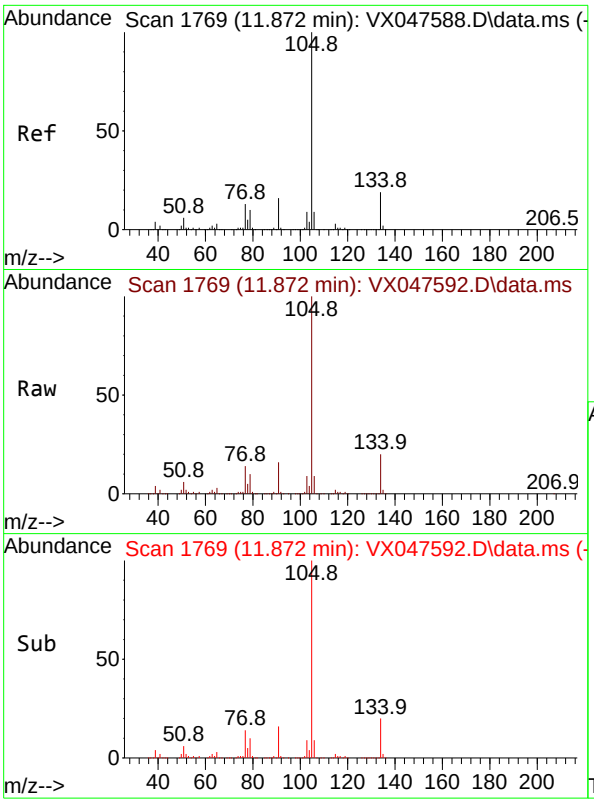


#84
1,2,4-Trimethylbenzene
Concen: 49.911 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:105 Resp: 440134

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.1

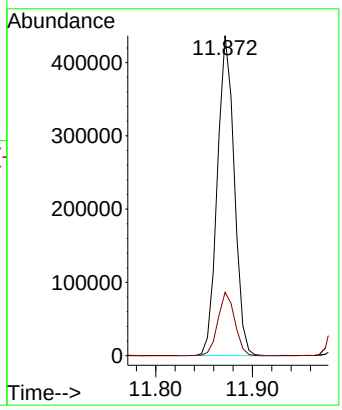




#85
sec-Butylbenzene
Concen: 50.100 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:105 Resp: 52986

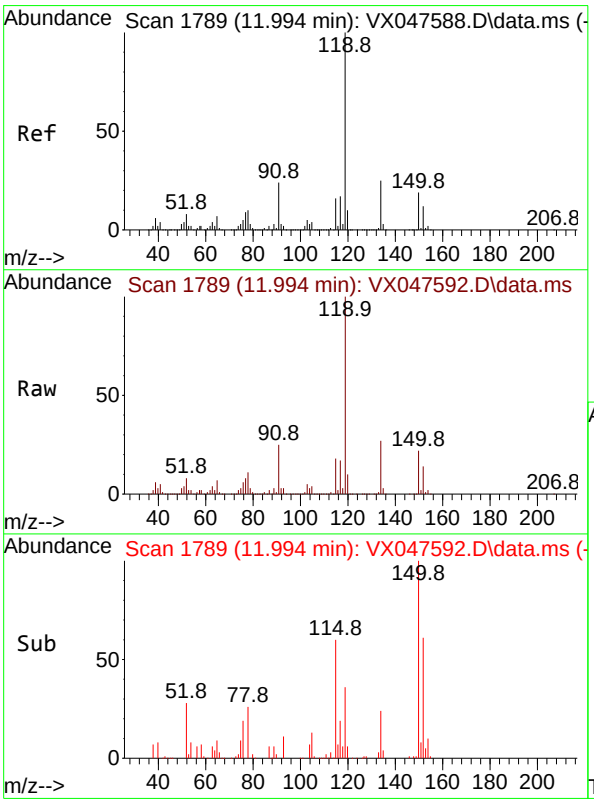
Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

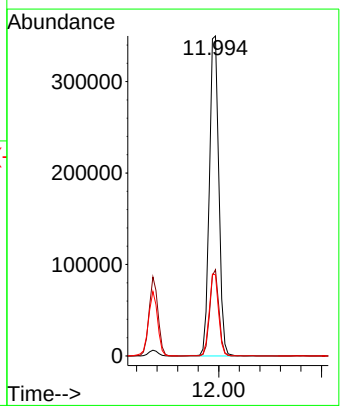
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

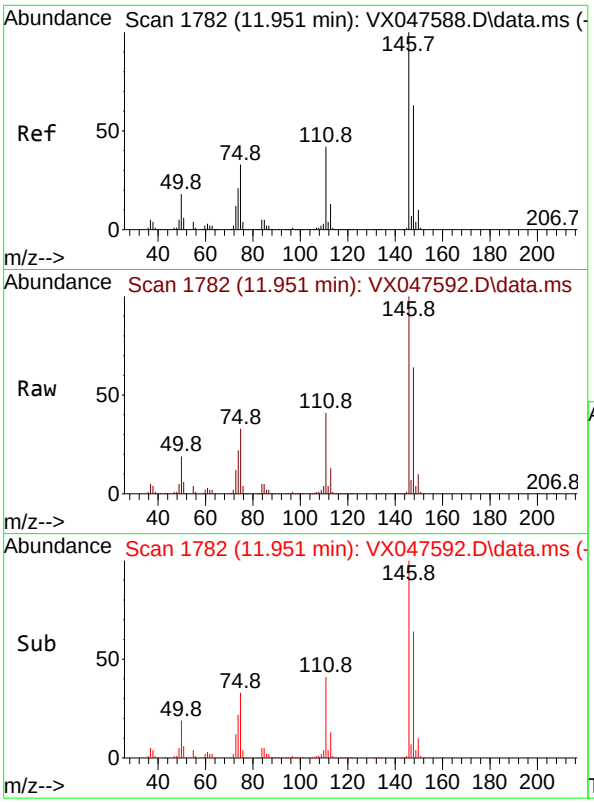


#86
p-Isopropyltoluene
Concen: 49.861 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:119 Resp: 446441

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	25.4	12.6	37.6

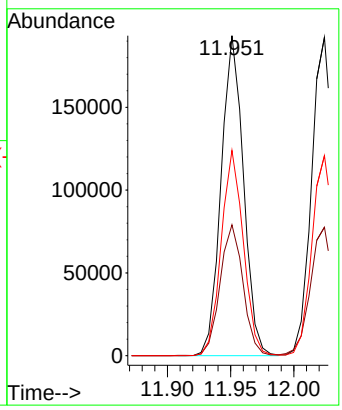




#87
1,3-Dichlorobenzene
Concen: 49.014 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:146 Resp: 23738

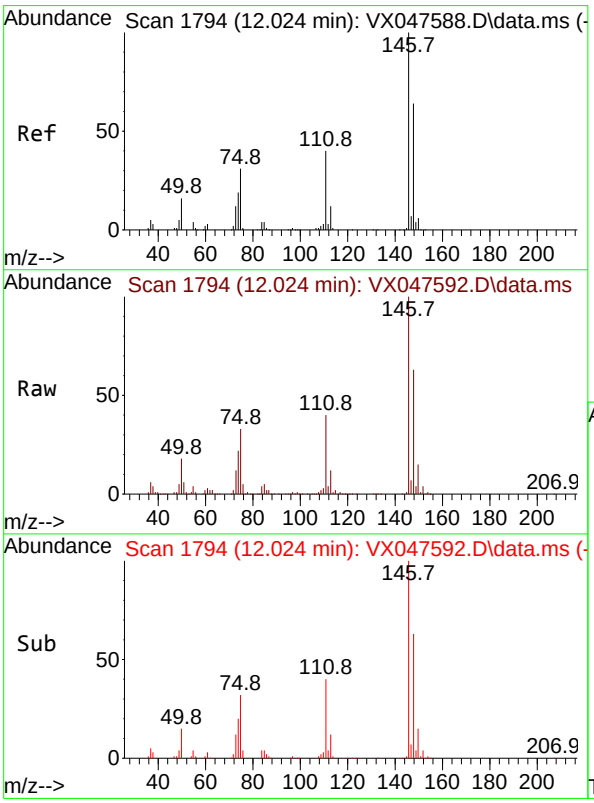
Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.5	64.5
148	63.5	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

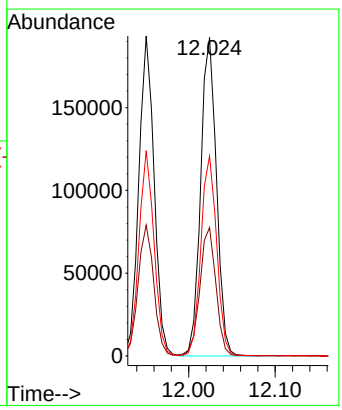
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

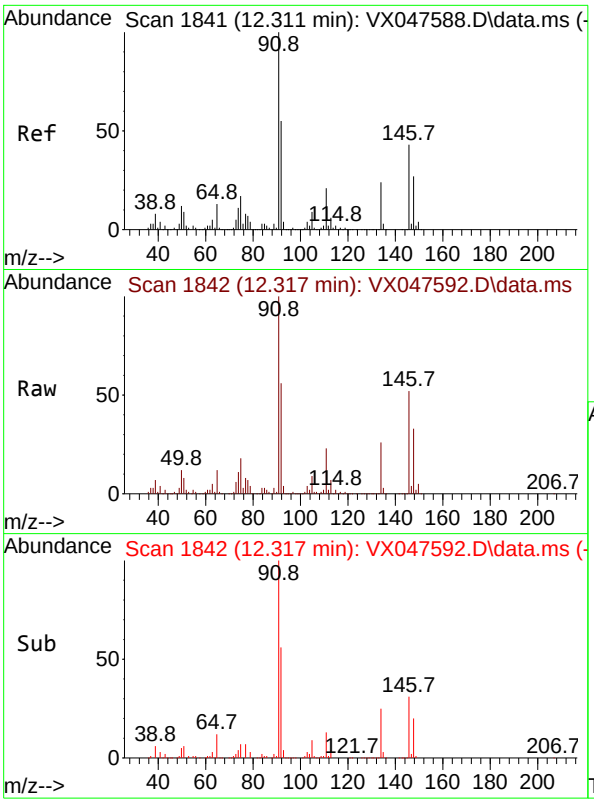


#88
1,4-Dichlorobenzene
Concen: 49.011 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:146 Resp: 243618

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.4
148	62.7	31.7	95.1

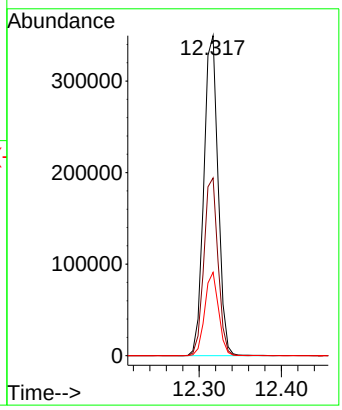




#89
n-Butylbenzene
Concen: 50.752 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 42047

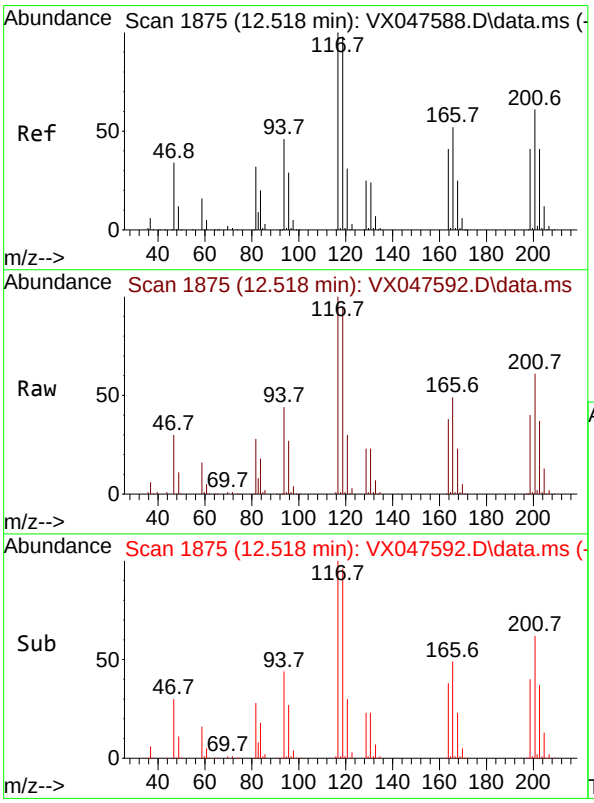
Ion	Ratio	Lower	Upper
91	100		
92	55.2	27.6	82.7
134	25.3	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

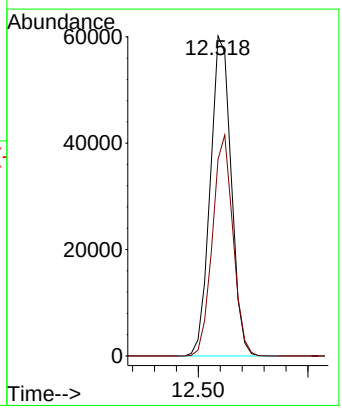
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

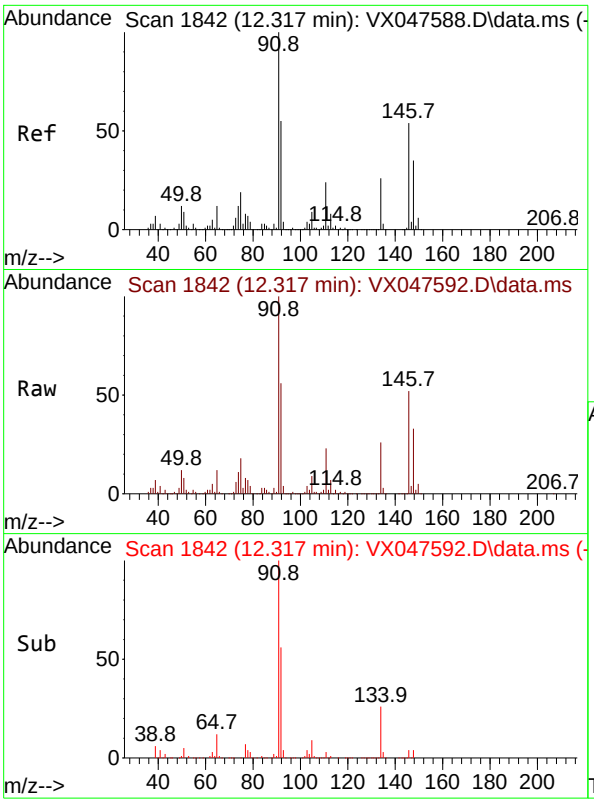


#90
Hexachloroethane
Concen: 50.732 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:117 Resp: 79751

Ion	Ratio	Lower	Upper
117	100		
201	67.7	34.2	102.5

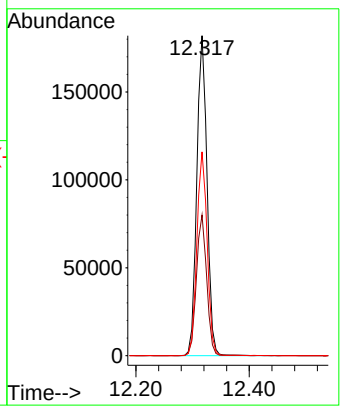




#91
1,2-Dichlorobenzene
Concen: 49.304 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:146 Resp: 22749

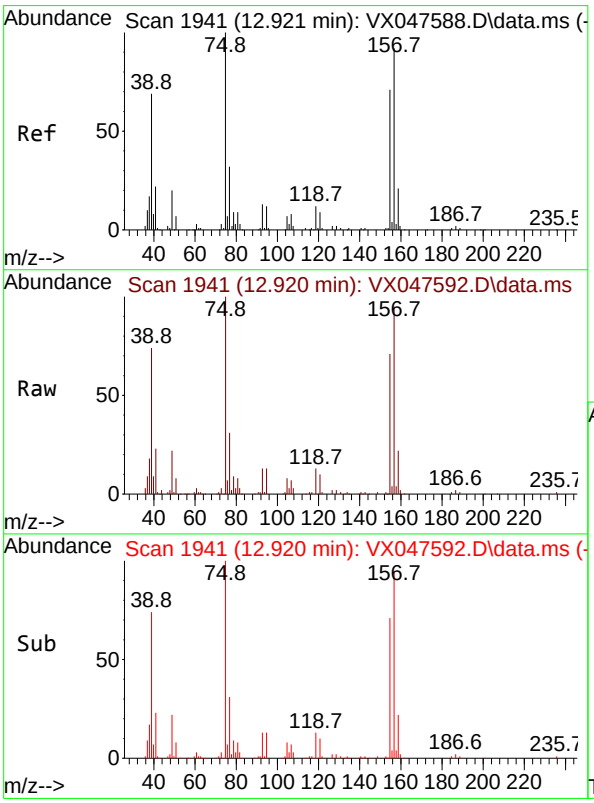
Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.2	66.6
148	64.1	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

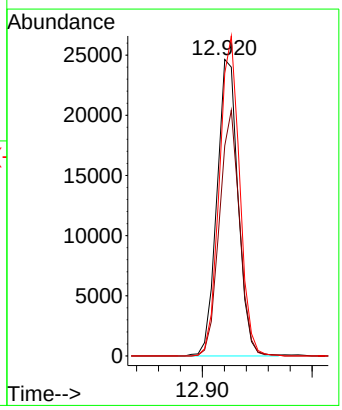
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

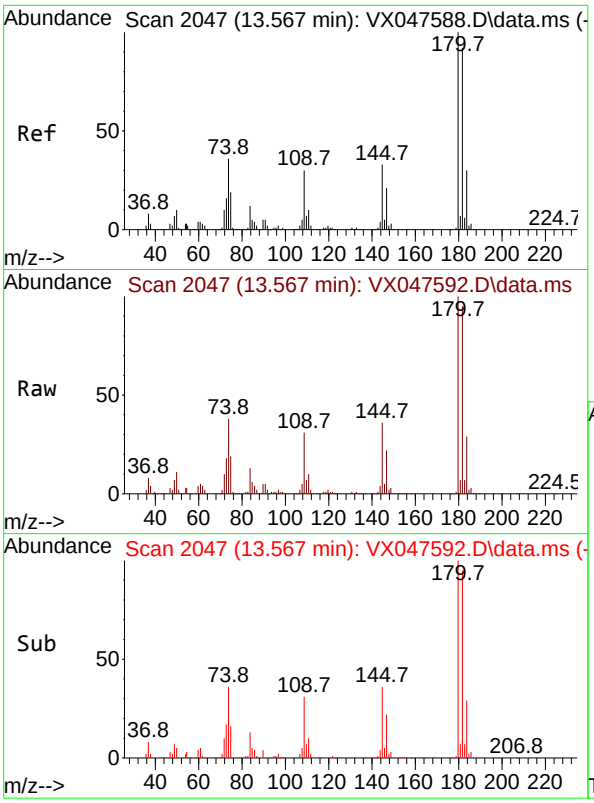


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.918 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 33020

Ion	Ratio	Lower	Upper
75	100		
155	79.1	37.7	113.1
157	103.2	49.8	149.4

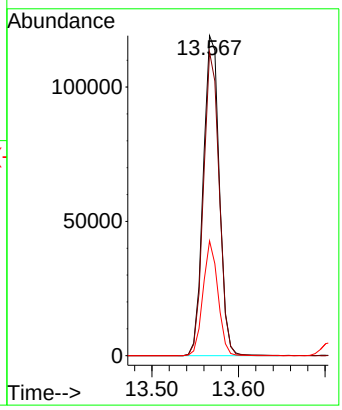




#93
1,2,4-Trichlorobenzene
Concen: 51.133 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:180 Resp: 15333

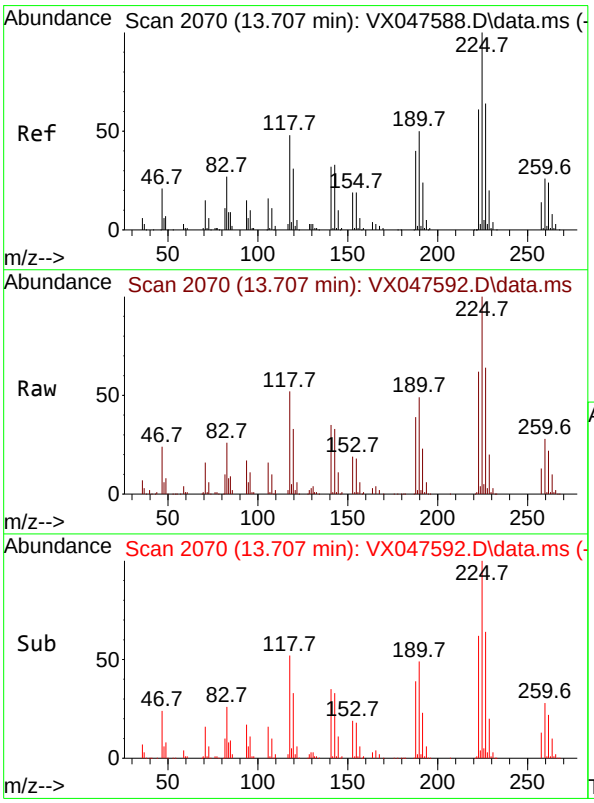
Ion	Ratio	Lower	Upper
180	100		
182	93.1	46.6	139.8
145	33.3	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

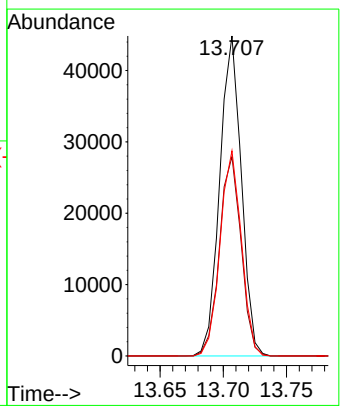
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

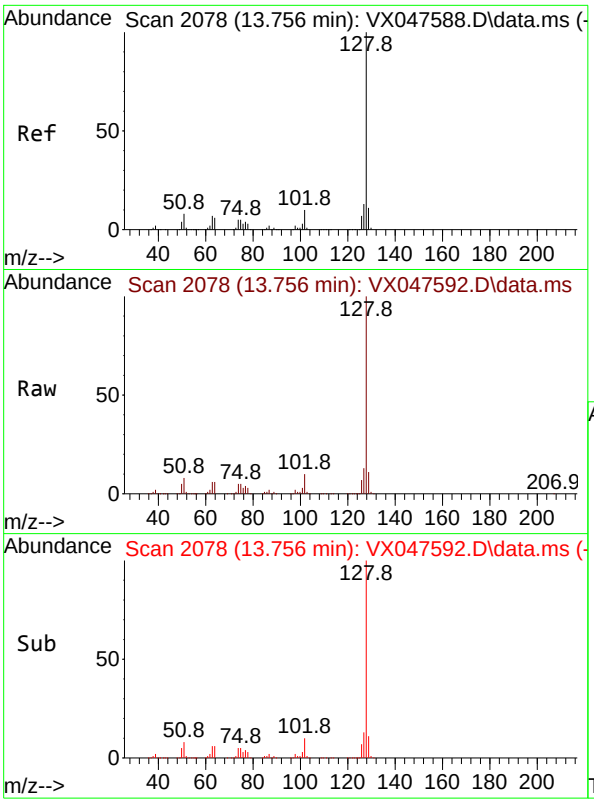


#94
Hexachlorobutadiene
Concen: 52.131 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:225 Resp: 53099

Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.7	95.1
227	63.3	32.0	96.0

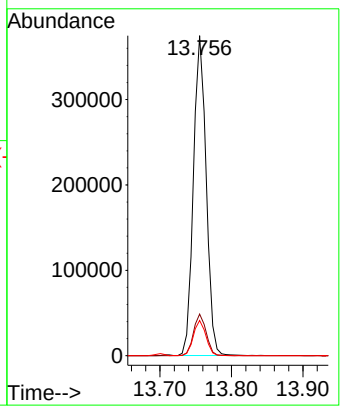




#95
Naphthalene
Concen: 50.836 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:128 Resp: 46420

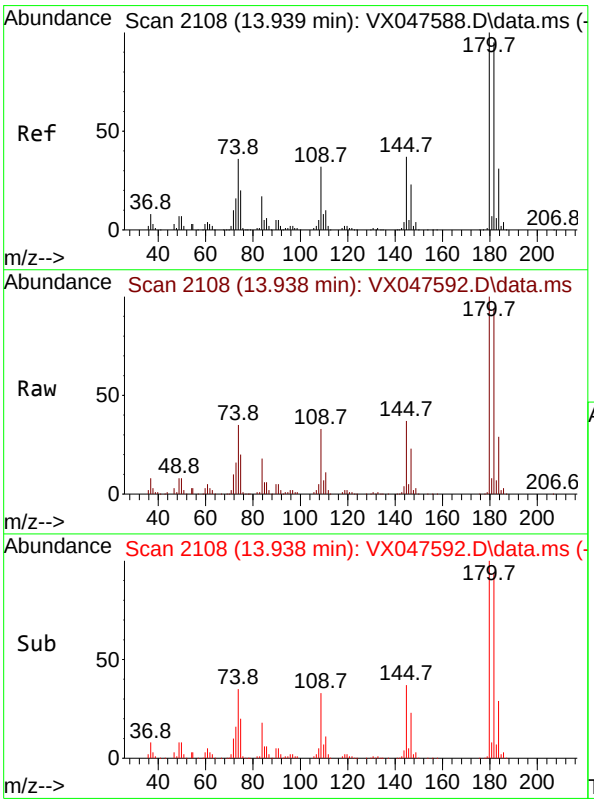
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.9	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

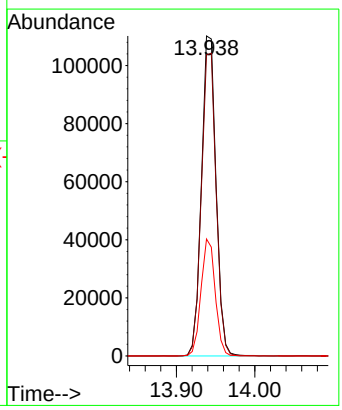
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.054 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:180 Resp: 142413

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.6	142.8
145	35.6	17.9	53.7



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	108	-0.01
2	T	Dichlorodifluoromethane	0.518	0.462	10.8	99	0.00
3	P	Chloromethane	0.680	0.595	12.5	97	0.00
4	C	Vinyl Chloride	0.666	0.610	8.4#	99	0.00
5	T	Bromomethane	0.422	0.410	2.8	104	0.00
6	T	Chloroethane	0.445	0.415	6.7	101	0.00
7	T	Trichlorofluoromethane	0.989	0.931	5.9	101	0.00
8	T	Diethyl Ether	0.405	0.378	6.7	99	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.578	0.561	2.9	103	0.00
10	T	Methyl Iodide	0.902	0.834	7.5	98	0.00
11	T	Tert butyl alcohol	0.089	0.091	-2.2	110	0.00
12	CM	1,1-Dichloroethene	0.594	0.559	5.9#	100	0.00
13	T	Acrolein	0.082	0.083	-1.2	110	0.00
14	T	Allyl chloride	1.226	1.146	6.5	102	0.00
15	T	Acrylonitrile	0.328	0.333	-1.5	103	0.00
16	T	Acetone	0.346	0.339	2.0	115	0.00
17	T	Carbon Disulfide	1.626	1.463	10.0	100	0.00
18	T	Methyl Acetate	0.770	0.850	-10.4	104	0.00
19	T	Methyl tert-butyl Ether	2.169	2.105	3.0	101	0.00
20	T	Methylene Chloride	0.732	0.674	7.9	99	0.00
21	T	trans-1,2-Dichloroethene	0.640	0.597	6.7	99	0.00
22	T	Diisopropyl ether	2.376	2.289	3.7	99	-0.01
23	T	Vinyl Acetate	1.901	1.867	1.8	101	0.00
24	P	1,1-Dichloroethane	1.263	1.213	4.0	101	0.00
25	T	2-Butanone	0.432	0.438	-1.4	107	0.00
26	T	2,2-Dichloropropane	1.050	1.039	1.0	105	0.00
27	T	cis-1,2-Dichloroethene	0.783	0.765	2.3	102	0.00
28	T	Bromochloromethane	0.551	0.514	6.7	96	-0.01
29	T	Tetrahydrofuran	0.260	0.263	-1.2	103	0.00
30	C	Chloroform	1.276	1.244	2.5#	101	0.00
31	T	Cyclohexane	1.052	0.968	8.0	101	0.00
32	T	1,1,1-Trichloroethane	1.082	1.060	2.0	101	0.00
33	S	1,2-Dichloroethane-d4	0.796	0.725	8.9	101	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	108	0.00
35	S	Dibromofluoromethane	0.335	0.306	8.7	100	0.00
36	T	1,1-Dichloropropene	0.490	0.457	6.7	101	0.00
37	T	Ethyl Acetate	0.525	0.517	1.5	105	-0.01
38	T	Carbon Tetrachloride	0.532	0.500	6.0	100	-0.01
39	T	Methylcyclohexane	0.556	0.541	2.7	103	0.00
40	TM	Benzene	1.488	1.410	5.2	100	0.00
41	T	Methacrylonitrile	0.271	0.274	-1.1	103	0.00
42	TM	1,2-Dichloroethane	0.566	0.531	6.2	98	0.00
43	T	Isopropyl Acetate	0.860	0.846	1.6	102	0.00
44	TM	Trichloroethene	0.360	0.346	3.9	101	0.00
45	C	1,2-Dichloropropane	0.381	0.366	3.9#	100	0.00
46	T	Dibromomethane	0.277	0.266	4.0	100	0.00
47	T	Bromodichloromethane	0.572	0.558	2.4	99	0.00
48	T	Methyl methacrylate	0.429	0.427	0.5	102	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	0.004	0.005	-25.0	106	0.00
50	S	Toluene-d8	1.160	1.077	7.2	101	0.00
51	T	4-Methyl-2-Pentanone	0.477	0.488	-2.3	103	0.00
52	CM	Toluene	0.917	0.883	3.7#	101	0.00
53	T	t-1,3-Dichloropropene	0.584	0.578	1.0	101	0.00
54	T	cis-1,3-Dichloropropene	0.624	0.615	1.4	102	0.00
55	T	1,1,2-Trichloroethane	0.354	0.338	4.5	99	0.00
56	T	Ethyl methacrylate	0.555	0.572	-3.1	103	0.00
57	T	1,3-Dichloropropane	0.607	0.594	2.1	101	0.00
58	T	2-Chloroethyl Vinyl ether	0.227	0.238	-4.8	94	0.00
59	T	2-Hexanone	0.343	0.347	-1.2	104	0.00
60	T	Dibromochloromethane	0.407	0.406	0.2	101	0.00
61	T	1,2-Dibromoethane	0.360	0.355	1.4	101	0.00
62	S	4-Bromofluorobenzene	0.440	0.410	6.8	104	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	107	0.00
64	T	Tetrachloroethene	0.326	0.315	3.4	103	0.00
65	PM	Chlorobenzene	1.136	1.103	2.9	100	0.00
66	T	1,1,1,2-Tetrachloroethane	0.392	0.383	2.3	99	0.00
67	C	Ethyl Benzene	1.960	1.953	0.4#	102	0.00
68	T	m/p-Xylenes	0.729	0.722	1.0	101	0.00
69	T	o-Xylene	0.706	0.708	-0.3	101	0.00
70	T	Styrene	1.236	1.225	0.9	101	0.00
71	P	Bromoform	0.293	0.300	-2.4	102	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	109	0.00
73	T	Isopropylbenzene	3.801	3.762	1.0	101	0.00
74	T	N-amyl acetate	1.733	1.746	-0.8	102	0.00
75	P	1,1,2,2-Tetrachloroethane	1.150	1.147	0.3	102	0.00
76	T	1,2,3-Trichloropropane	1.012	1.076	-6.3	104	0.00
77	T	Bromobenzene	0.936	0.902	3.6	100	0.00
78	T	n-propylbenzene	4.494	4.430	1.4	101	0.00
79	T	2-Chlorotoluene	2.752	2.704	1.7	101	0.00
80	T	1,3,5-Trimethylbenzene	3.123	3.127	-0.1	102	0.00
81	T	trans-1,4-Dichloro-2-butene	0.397	0.401	-1.0	106	0.00
82	T	4-Chlorotoluene	3.251	3.196	1.7	101	0.00
83	T	tert-Butylbenzene	3.197	3.177	0.6	103	0.00
84	T	1,2,4-Trimethylbenzene	3.166	3.161	0.2	103	0.00
85	T	sec-Butylbenzene	3.797	3.805	-0.2	103	0.00
86	T	p-Isopropyltoluene	3.215	3.206	0.3	102	0.00
87	T	1,3-Dichlorobenzene	1.739	1.705	2.0	102	0.00
88	T	1,4-Dichlorobenzene	1.785	1.749	2.0	104	0.00
89	T	n-Butylbenzene	2.975	3.020	-1.5	105	0.00
90	T	Hexachloroethane	0.564	0.573	-1.6	105	0.00
91	T	1,2-Dichlorobenzene	1.657	1.634	1.4	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.233	0.237	-1.7	102	0.00
93	T	1,2,4-Trichlorobenzene	1.077	1.101	-2.2	104	0.00
94	T	Hexachlorobutadiene	0.366	0.381	-4.1	108	0.00
95	T	Naphthalene	3.279	3.334	-1.7	103	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1.002	1.023	-2.1	102	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	108	-0.01
2	T	Dichlorodifluoromethane	50.000	44.592	10.8	99	0.00
3	P	Chloromethane	50.000	43.710	12.6	97	0.00
4	C	Vinyl Chloride	50.000	45.783	8.4#	99	0.00
5	T	Bromomethane	50.000	48.489	3.0	104	0.00
6	T	Chloroethane	50.000	46.575	6.8	101	0.00
7	T	Trichlorofluoromethane	50.000	47.074	5.9	101	0.00
8	T	Diethyl Ether	50.000	46.693	6.6	99	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.524	3.0	103	0.00
10	T	Methyl Iodide	50.000	46.210	7.6	98	0.00
11	T	Tert butyl alcohol	250.000	256.271	-2.5	110	0.00
12	CM	1,1-Dichloroethene	50.000	47.076	5.8#	100	0.00
13	T	Acrolein	250.000	254.867	-1.9	110	0.00
14	T	Allyl chloride	50.000	46.742	6.5	102	0.00
15	T	Acrylonitrile	250.000	253.567	-1.4	103	0.00
16	T	Acetone	250.000	245.006	2.0	115	0.00
17	T	Carbon Disulfide	50.000	44.966	10.1	100	0.00
18	T	Methyl Acetate	50.000	55.175	-10.3	104	0.00
19	T	Methyl tert-butyl Ether	50.000	48.538	2.9	101	0.00
20	T	Methylene Chloride	50.000	46.000	8.0	99	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.709	6.6	99	0.00
22	T	Diisopropyl ether	50.000	48.174	3.7	99	-0.01
23	T	Vinyl Acetate	250.000	245.539	1.8	101	0.00
24	P	1,1-Dichloroethane	50.000	48.041	3.9	101	0.00
25	T	2-Butanone	250.000	253.598	-1.4	107	0.00
26	T	2,2-Dichloropropane	50.000	49.494	1.0	105	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.826	2.3	102	0.00
28	T	Bromochloromethane	50.000	46.586	6.8	96	-0.01
29	T	Tetrahydrofuran	250.000	253.375	-1.4	103	0.00
30	C	Chloroform	50.000	48.739	2.5#	101	0.00
31	T	Cyclohexane	50.000	45.999	8.0	101	0.00
32	T	1,1,1-Trichloroethane	50.000	48.978	2.0	101	0.00
33	S	1,2-Dichloroethane-d4	50.000	45.550	8.9	101	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	108	0.00
35	S	Dibromofluoromethane	50.000	45.559	8.9	100	0.00
36	T	1,1-Dichloropropene	50.000	46.663	6.7	101	0.00
37	T	Ethyl Acetate	50.000	49.241	1.5	105	-0.01
38	T	Carbon Tetrachloride	50.000	46.935	6.1	100	-0.01
39	T	Methylcyclohexane	50.000	48.597	2.8	103	0.00
40	TM	Benzene	50.000	47.357	5.3	100	0.00
41	T	Methacrylonitrile	50.000	50.490	-1.0	103	0.00
42	TM	1,2-Dichloroethane	50.000	46.867	6.3	98	0.00
43	T	Isopropyl Acetate	50.000	49.136	1.7	102	0.00
44	TM	Trichloroethene	50.000	48.037	3.9	101	0.00
45	C	1,2-Dichloropropane	50.000	48.053	3.9#	100	0.00
46	T	Dibromomethane	50.000	47.976	4.0	100	0.00
47	T	Bromodichloromethane	50.000	48.769	2.5	99	0.00
48	T	Methyl methacrylate	50.000	49.757	0.5	102	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1089.520	-9.0	106	0.00
50	S	Toluene-d8	50.000	46.411	7.2	101	0.00
51	T	4-Methyl-2-Pentanone	250.000	255.752	-2.3	103	0.00
52	CM	Toluene	50.000	48.130	3.7#	101	0.00
53	T	t-1,3-Dichloropropene	50.000	49.527	0.9	101	0.00
54	T	cis-1,3-Dichloropropene	50.000	49.257	1.5	102	0.00
55	T	1,1,2-Trichloroethane	50.000	47.772	4.5	99	0.00
56	T	Ethyl methacrylate	50.000	51.490	-3.0	103	0.00
57	T	1,3-Dichloropropane	50.000	48.894	2.2	101	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	225.562	9.8	94	0.00
59	T	2-Hexanone	250.000	253.126	-1.3	104	0.00
60	T	Dibromochloromethane	50.000	49.824	0.4	101	0.00
61	T	1,2-Dibromoethane	50.000	49.297	1.4	101	0.00
62	S	4-Bromofluorobenzene	50.000	46.520	7.0	104	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	107	0.00
64	T	Tetrachloroethene	50.000	48.296	3.4	103	0.00
65	PM	Chlorobenzene	50.000	48.549	2.9	100	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	48.794	2.4	99	0.00
67	C	Ethyl Benzene	50.000	49.813	0.4#	102	0.00
68	T	m/p-Xylenes	100.000	98.956	1.0	101	0.00
69	T	o-Xylene	50.000	50.159	-0.3	101	0.00
70	T	Styrene	50.000	49.536	0.9	101	0.00
71	P	Bromoform	50.000	51.207	-2.4	102	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	109	0.00
73	T	Isopropylbenzene	50.000	49.479	1.0	101	0.00
74	T	N-amyl acetate	50.000	50.375	-0.8	102	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.851	0.3	102	0.00
76	T	1,2,3-Trichloropropane	50.000	53.124	-6.2	104	0.00
77	T	Bromobenzene	50.000	48.173	3.7	100	0.00
78	T	n-propylbenzene	50.000	49.295	1.4	101	0.00
79	T	2-Chlorotoluene	50.000	49.117	1.8	101	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.055	-0.1	102	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	50.543	-1.1	106	0.00
82	T	4-Chlorotoluene	50.000	49.164	1.7	101	0.00
83	T	tert-Butylbenzene	50.000	49.679	0.6	103	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.911	0.2	103	0.00
85	T	sec-Butylbenzene	50.000	50.100	-0.2	103	0.00
86	T	p-Isopropyltoluene	50.000	49.861	0.3	102	0.00
87	T	1,3-Dichlorobenzene	50.000	49.014	2.0	102	0.00
88	T	1,4-Dichlorobenzene	50.000	49.011	2.0	104	0.00
89	T	n-Butylbenzene	50.000	50.752	-1.5	105	0.00
90	T	Hexachloroethane	50.000	50.732	-1.5	105	0.00
91	T	1,2-Dichlorobenzene	50.000	49.304	1.4	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.918	-1.8	102	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.133	-2.3	104	0.00
94	T	Hexachlorobutadiene	50.000	52.131	-4.3	108	0.00
95	T	Naphthalene	50.000	50.836	-1.7	103	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	51.054	-2.1	102	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG No.: Q3213

Instrument ID: MSVOA_X | Calibration Date/Time: 09/29/2025 08:59

Lab File ID: VX047868.D | Init. Calib. Date(s): 09/16/2025 09/16/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 09:23 12:01

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.628		21.24	20
Chloromethane	0.680	0.675	0.1	-0.74	20
Vinyl Chloride	0.666	0.730		9.61	20
Bromomethane	0.422	0.465		10.19	20
Chloroethane	0.445	0.457		2.7	20
Trichlorofluoromethane	0.989	1.072		8.39	20
1,1,2-Trichlorotrifluoroethane	0.578	0.644		11.42	20
1,1-Dichloroethene	0.594	0.627		5.56	20
Acetone	0.346	0.389		12.43	20
Carbon Disulfide	1.626	1.666		2.46	20
Methyl tert-butyl Ether	2.169	2.111		-2.67	20
Methyl Acetate	0.770	0.879		14.16	20
Methylene Chloride	0.732	0.706		-3.55	20
trans-1,2-Dichloroethene	0.640	0.655		2.34	20
1,1-Dichloroethane	1.263	1.245	0.1	-1.42	20
Cyclohexane	1.052	0.994		-5.51	20
2-Butanone	0.432	0.483		11.81	20
Carbon Tetrachloride	0.532	0.560		5.26	20
cis-1,2-Dichloroethene	0.783	0.764		-2.43	20
Bromochloromethane	0.551	0.504		-8.53	20
Chloroform	1.276	1.243		-2.59	20
1,1,1-Trichloroethane	1.082	1.078		-0.37	20
Methylcyclohexane	0.556	0.581		4.5	20
Benzene	1.488	1.515		1.82	20
1,2-Dichloroethane	0.566	0.546		-3.53	20
Trichloroethene	0.360	0.377		4.72	20
1,2-Dichloropropane	0.381	0.393		3.15	20
Bromodichloromethane	0.572	0.588		2.8	20
4-Methyl-2-Pentanone	0.477	0.537		12.58	20
Toluene	0.917	0.921		0.44	20
t-1,3-Dichloropropene	0.584	0.574		-1.71	20
cis-1,3-Dichloropropene	0.624	0.621		-0.48	20
1,1,2-Trichloroethane	0.354	0.360		1.7	20
2-Hexanone	0.343	0.390		13.7	20
Dibromochloromethane	0.407	0.432		6.14	20
1,2-Dibromoethane	0.360	0.377		4.72	20
Tetrachloroethene	0.326	0.337		3.37	20
Chlorobenzene	1.136	1.160	0.3	2.11	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: **VX047868.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	TETR06
Lab Code:	ACE	SDG No.:	Q3213
Instrument ID:	MSVOA_X	Calibration Date/Time:	09/29/2025 08:59
Lab File ID:	VX047868.D	Init. Calib. Date(s):	09/16/2025 09/16/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:23 12:01

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.960	2.015		2.81	20
m/p-Xylenes	0.729	0.761		4.39	20
o-Xylene	0.706	0.715		1.27	20
Styrene	1.236	1.262		2.02	20
Bromoform	0.293	0.328	0.1	11.94	20
Isopropylbenzene	3.801	3.873		1.89	20
1,1,2,2-Tetrachloroethane	1.150	1.232	0.3	7.13	20
1,3-Dichlorobenzene	1.739	1.736		-0.17	20
1,4-Dichlorobenzene	1.785	1.749		-2.02	20
1,2-Dichlorobenzene	1.657	1.661		0.24	20
1,2-Dibromo-3-Chloropropane	0.233	0.253		8.58	20
1,2,4-Trichlorobenzene	1.077	1.056		-1.95	20
1,2,3-Trichlorobenzene	1.002	1.007		0.5	20
1,2-Dichloroethane-d4	0.796	0.699		-12.19	20
Dibromofluoromethane	0.335	0.329		-1.79	20
Toluene-d8	1.160	1.119		-3.53	20
4-Bromofluorobenzene	0.440	0.410		-6.82	20

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047868.D
Acq On : 29 Sep 2025 08:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 30 01:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	185893	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.738	114	309770	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	268975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	131495	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	129970	43.924	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 87.840%			
35) Dibromofluoromethane	5.367	113	101837	49.019	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.040%			
50) Toluene-d8	8.634	98	346572	48.212	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.420%			
62) 4-Bromofluorobenzene	11.061	95	126953	46.534	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	116708	60.629	ug/l	99
3) Chloromethane	1.300	50	125447	49.585	ug/l	99
4) Vinyl Chloride	1.380	62	135629	54.766	ug/l	98
5) Bromomethane	1.611	94	86419	55.030	ug/l	100
6) Chloroethane	1.691	64	84945	51.320	ug/l	99
7) Trichlorofluoromethane	1.892	101	199222	54.179	ug/l	99
8) Diethyl Ether	2.130	74	74991	49.855	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	119693	55.668	ug/l	99
10) Methyl Iodide	2.453	142	137605	41.036	ug/l	99
11) Tert butyl alcohol	2.946	59	87534	265.618	ug/l	100
12) 1,1-Dichloroethene	2.319	96	116491	52.744	ug/l	95
13) Acrolein	2.233	56	79028	260.231	ug/l	98
14) Allyl chloride	2.660	41	218958	48.043	ug/l	98
15) Acrylonitrile	3.056	53	338725	277.492	ug/l	99
16) Acetone	2.373	43	361134	280.697	ug/l	96
17) Carbon Disulfide	2.514	76	309661	51.215	ug/l	98
18) Methyl Acetate	2.696	43	163451	57.086	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	392389	48.669	ug/l	98
20) Methylene Chloride	2.782	84	131286	48.208	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	121835	51.238	ug/l	95
22) Diisopropyl ether	3.745	45	425099	48.128	ug/l #	80
23) Vinyl Acetate	3.709	43	1764450	249.599	ug/l	99
24) 1,1-Dichloroethane	3.599	63	231350	49.280	ug/l	99
25) 2-Butanone	4.532	43	448655	279.567	ug/l	99
26) 2,2-Dichloropropane	4.464	77	189672	48.604	ug/l	98
27) cis-1,2-Dichloroethene	4.471	96	142090	48.794	ug/l	98
28) Bromochloromethane	4.879	49	93704	45.720	ug/l	97
29) Tetrahydrofuran	4.983	42	264898	274.385	ug/l	99
30) Chloroform	5.074	83	231088	48.711	ug/l	99
31) Cyclohexane	5.452	56	184690	47.235	ug/l	99
32) 1,1,1-Trichloroethane	5.367	97	200353	49.790	ug/l	99
36) 1,1-Dichloropropene	5.672	75	151572	49.930	ug/l	98
37) Ethyl Acetate	4.696	43	173745	53.454	ug/l	99
38) Carbon Tetrachloride	5.659	117	173335	52.552	ug/l	97
39) Methylcyclohexane	7.366	83	179843	52.190	ug/l	96
40) Benzene	6.019	78	469430	50.913	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047868.D
Acq On : 29 Sep 2025 08:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 30 01:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.897	41	92805	55.306	ug/l		99
42) 1,2-Dichloroethane	6.068	62	169122	48.208	ug/l		98
43) Isopropyl Acetate	6.318	43	275987	51.772	ug/l		99
44) Trichloroethene	7.104	130	116728	52.365	ug/l		97
45) 1,2-Dichloropropane	7.409	63	121849	51.610	ug/l		100
46) Dibromomethane	7.561	93	86727	50.480	ug/l		98
47) Bromodichloromethane	7.805	83	182124	51.370	ug/l		99
48) Methyl methacrylate	7.677	41	138099	52.008	ug/l		97
49) 1,4-Dioxane	7.641	88	36057	1343.657	ug/l		99
51) 4-Methyl-2-Pentanone	8.555	43	831427	281.303	ug/l		99
52) Toluene	8.702	92	285361	50.235	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	177961	49.211	ug/l		99
54) cis-1,3-Dichloropropene	8.348	75	192314	49.755	ug/l		99
55) 1,1,2-Trichloroethane	9.134	97	111620	50.959	ug/l		98
56) Ethyl methacrylate	9.098	69	180325	52.421	ug/l		97
57) 1,3-Dichloropropane	9.293	76	190862	50.725	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	478951	288.479	ug/l		99
59) 2-Hexanone	9.415	43	603746	284.417	ug/l		98
60) Dibromochloromethane	9.506	129	133727	52.986	ug/l		100
61) 1,2-Dibromoethane	9.592	107	116932	52.412	ug/l		100
64) Tetrachloroethene	9.256	164	90723	51.740	ug/l		98
65) Chlorobenzene	10.061	112	311914	51.045	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.146	131	109941	52.139	ug/l		100
67) Ethyl Benzene	10.177	91	541862	51.394	ug/l		99
68) m/p-Xylenes	10.287	106	409378	104.318	ug/l		97
69) o-Xylene	10.622	106	192409	50.691	ug/l		99
70) Styrene	10.640	104	339311	51.017	ug/l		99
71) Bromoform	10.780	173	88291	56.076	ug/l	#	97
73) Isopropylbenzene	10.945	105	509330	50.948	ug/l		100
74) N-amyl acetate	10.823	43	233722	51.268	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	162045	53.575	ug/l		99
76) 1,2,3-Trichloropropane	11.219	75	129326m	48.576	ug/l		
77) Bromobenzene	11.183	156	123612	50.204	ug/l		95
78) n-propylbenzene	11.286	91	604446	51.147	ug/l		99
79) 2-Chlorotoluene	11.347	91	354495	48.976	ug/l		98
80) 1,3,5-Trimethylbenzene	11.433	105	414443	50.459	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	52874	50.645	ug/l		97
82) 4-Chlorotoluene	11.439	91	419046	49.019	ug/l		98
83) tert-Butylbenzene	11.695	119	427258	50.816	ug/l		98
84) 1,2,4-Trimethylbenzene	11.731	105	417985	50.196	ug/l		98
85) sec-Butylbenzene	11.872	105	512347	51.301	ug/l		100
86) p-Isopropyltoluene	11.988	119	430271	50.890	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	228315	49.923	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	229920	48.983	ug/l		99
89) n-Butylbenzene	12.317	91	402968	51.508	ug/l		99
90) Hexachloroethane	12.518	117	78523	52.897	ug/l		99
91) 1,2-Dichlorobenzene	12.317	146	218366	50.118	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	33228	54.261	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	138822	49.024	ug/l		98
94) Hexachlorobutadiene	13.707	225	48414	50.335	ug/l		99
95) Naphthalene	13.756	128	447951	51.950	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	132359	50.248	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047868.D
Acq On : 29 Sep 2025 08:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

Quant Time: Sep 30 01:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

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

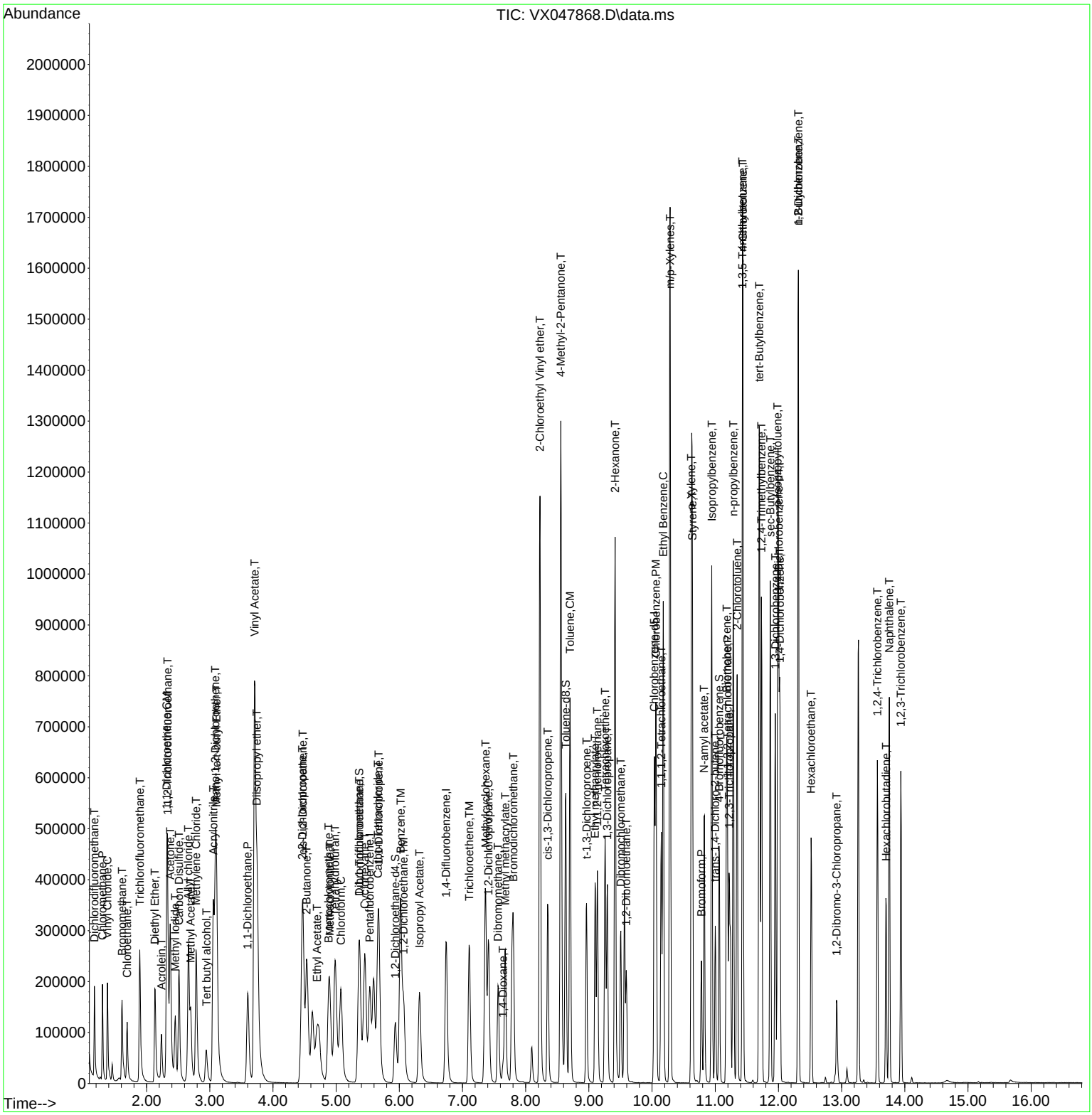
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047868.D
Acq On : 29 Sep 2025 08:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

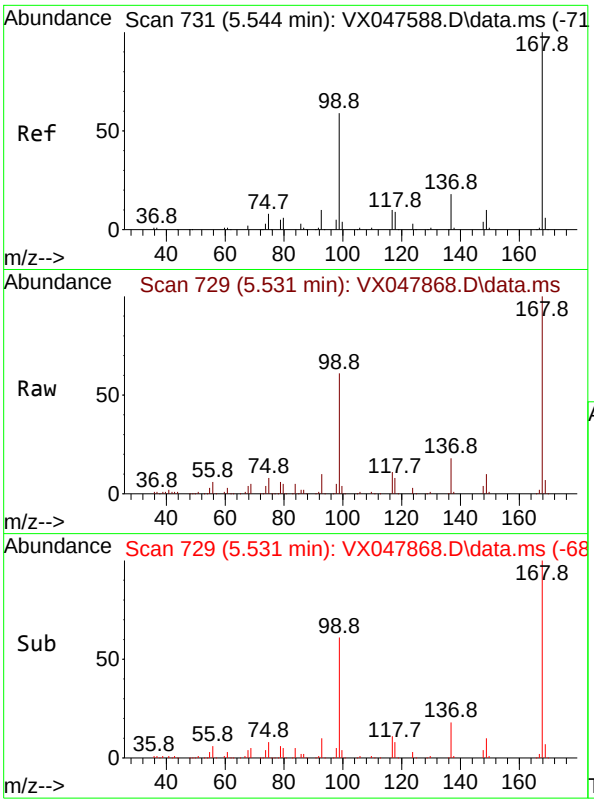
Quant Time: Sep 30 01:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

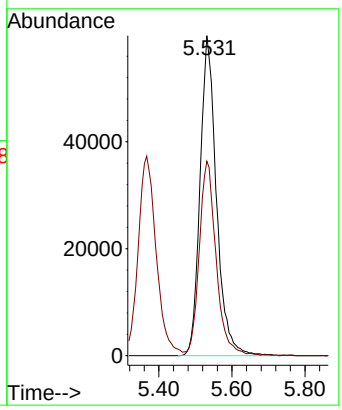




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:168 Resp: 18589

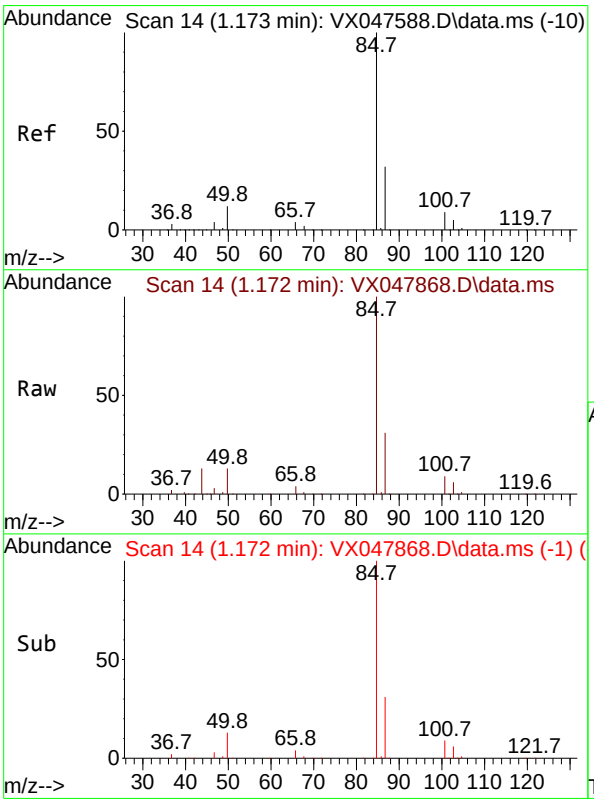
Ion	Ratio	Lower	Upper
168	100		
99	60.6	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

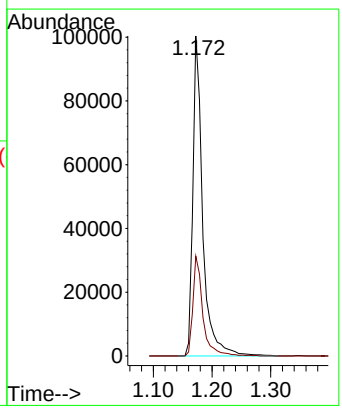
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

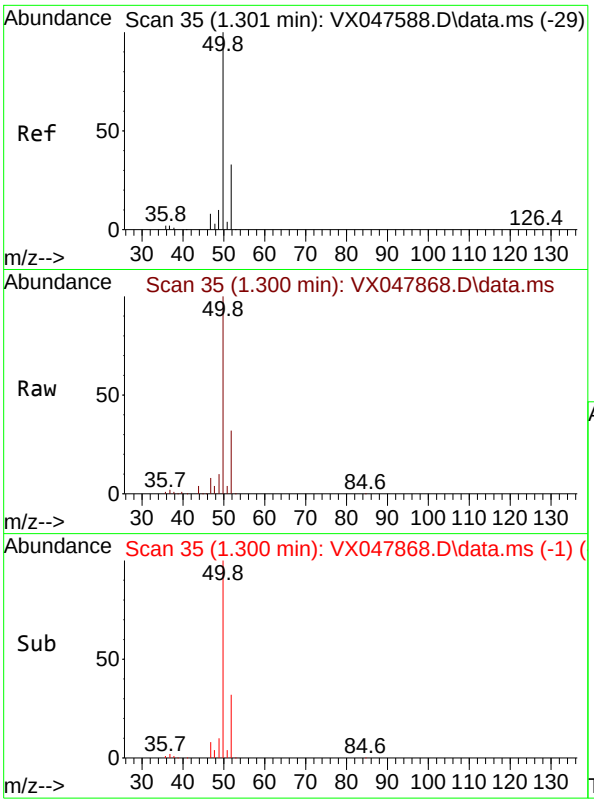


#2
Dichlorodifluoromethane
Concen: 60.629 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 85 Resp: 116708

Ion	Ratio	Lower	Upper
85	100		
87	31.2	15.8	47.3





#3
Chloromethane
Concen: 49.585 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

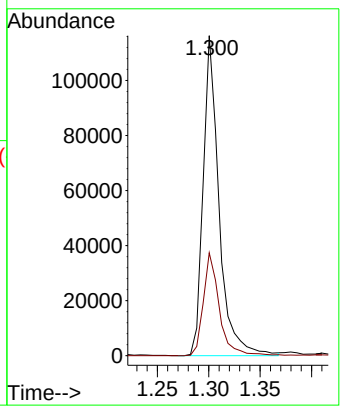
Tgt Ion: 50 Resp: 12544

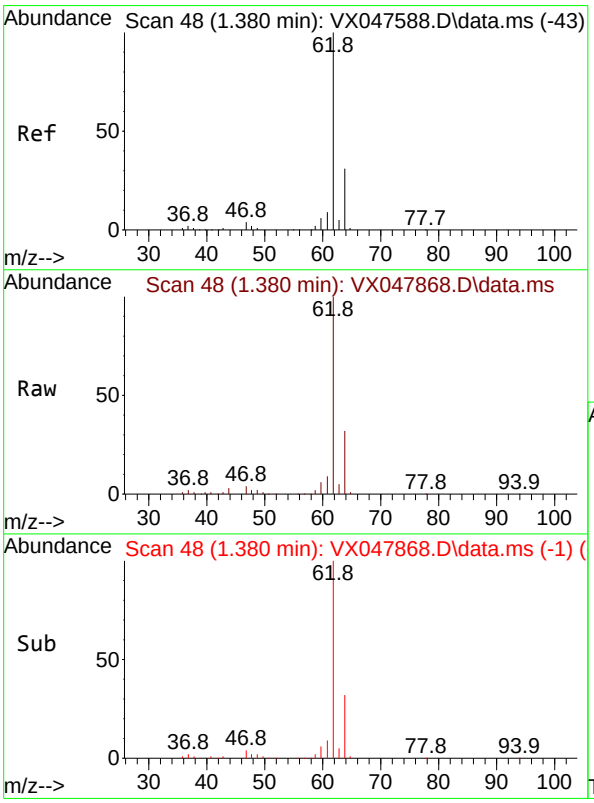
Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.1	39.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

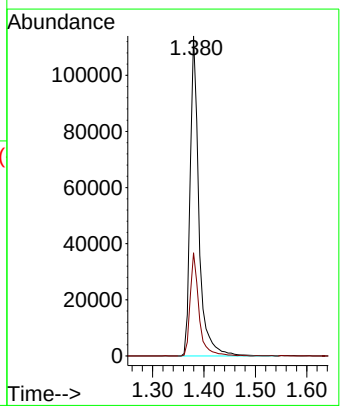


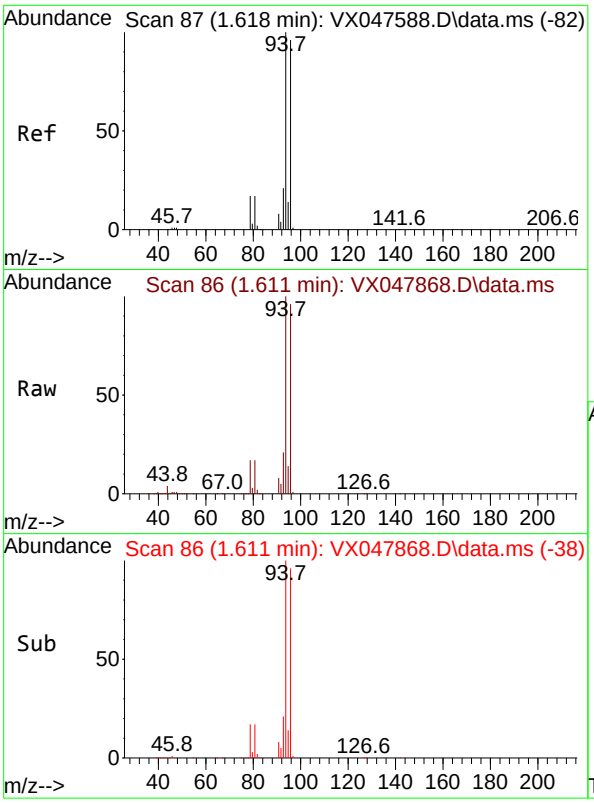


#4
Vinyl Chloride
Concen: 54.766 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 62 Resp: 135629

Ion	Ratio	Lower	Upper
62	100		
64	32.3	24.9	37.3

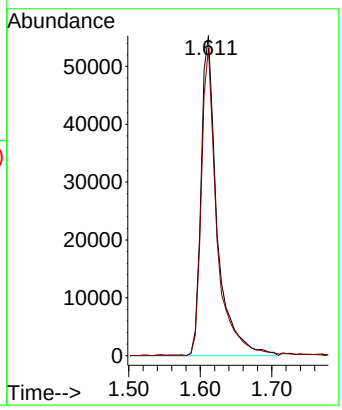




#5
Bromomethane
Concen: 55.030 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 94 Resp: 8641

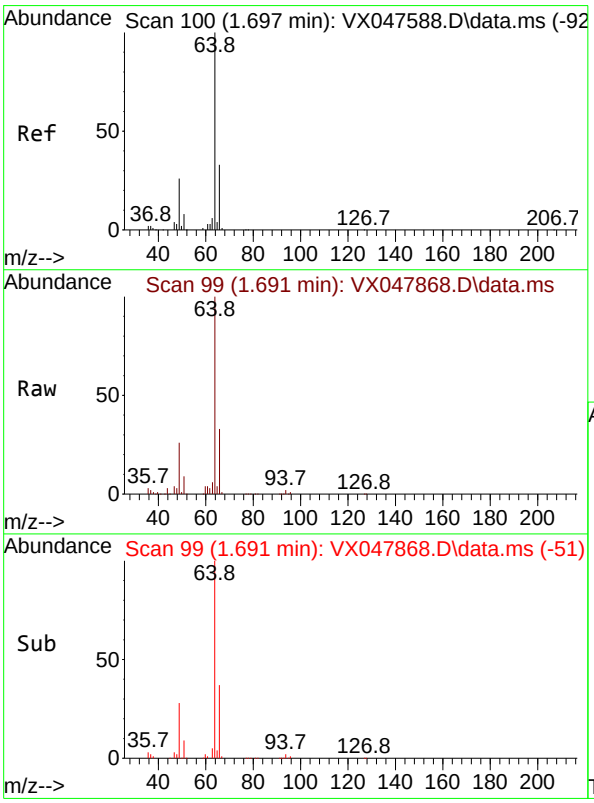
Ion	Ratio	Lower	Upper
94	100		
96	96.1	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

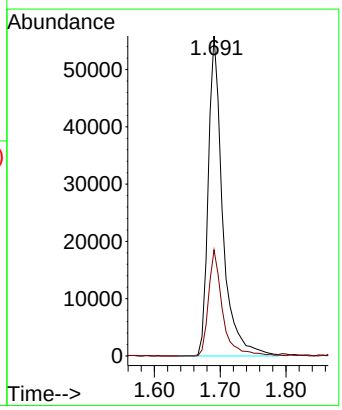
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

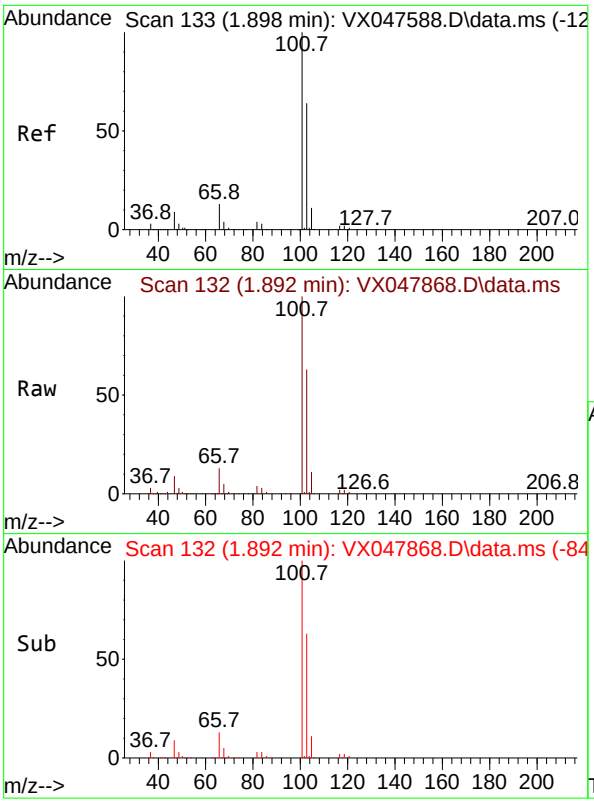


#6
Chloroethane
Concen: 51.320 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 64 Resp: 84945

Ion	Ratio	Lower	Upper
64	100		
66	33.1	26.1	39.1





#7
Trichlorofluoromethane
Concen: 54.179 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

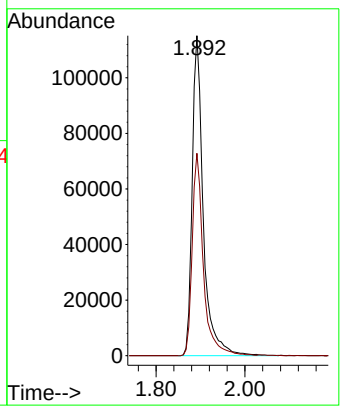
Tgt Ion:101 Resp: 19922

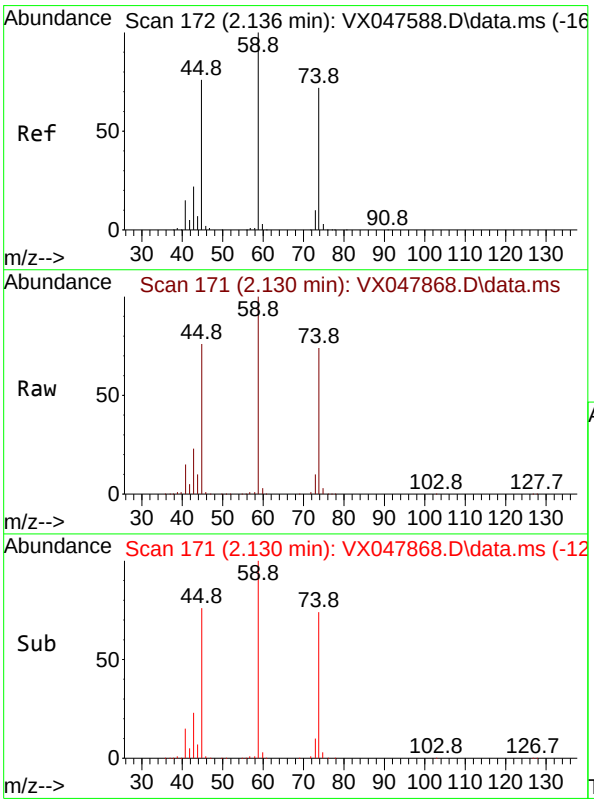
Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.4	77.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

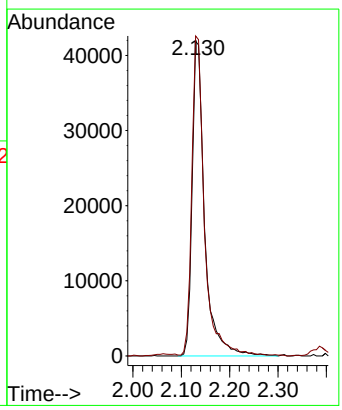


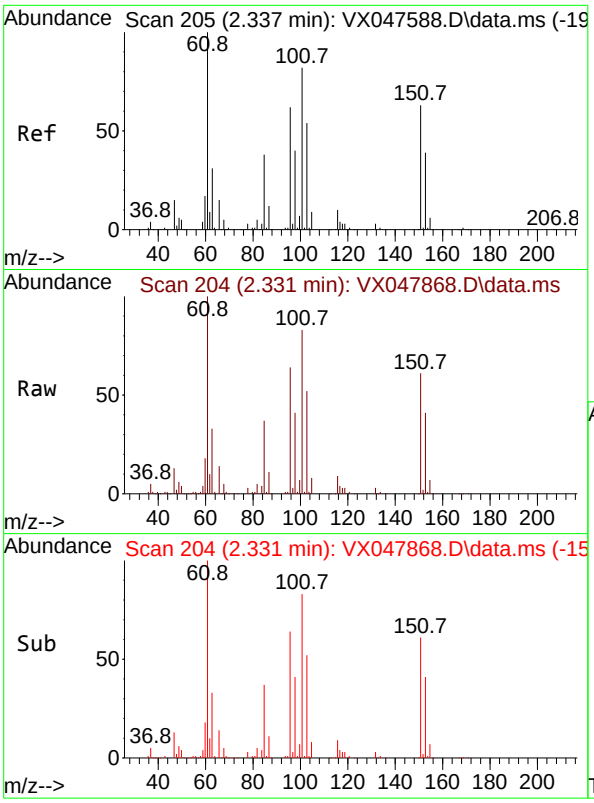


#8
Diethyl Ether
Concen: 49.855 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 74 Resp: 74991

Ion	Ratio	Lower	Upper
74	100		
45	101.6	52.3	156.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.668 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

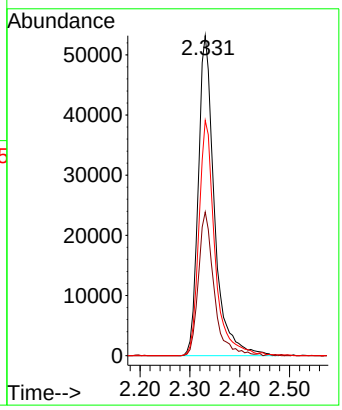
Tgt Ion:101 Resp: 11969

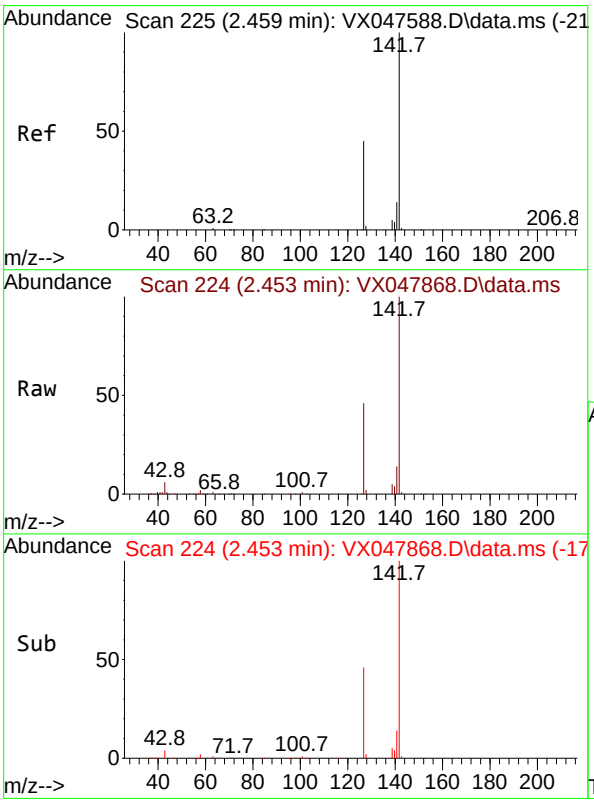
Ion	Ratio	Lower	Upper
101	100		
85	43.6	35.5	53.3
151	72.8	59.4	89.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

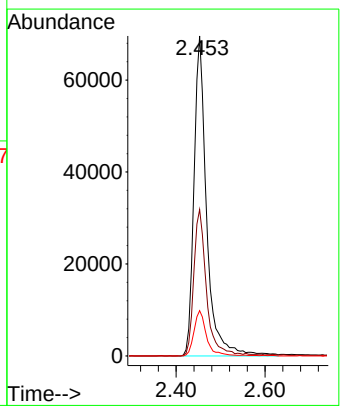


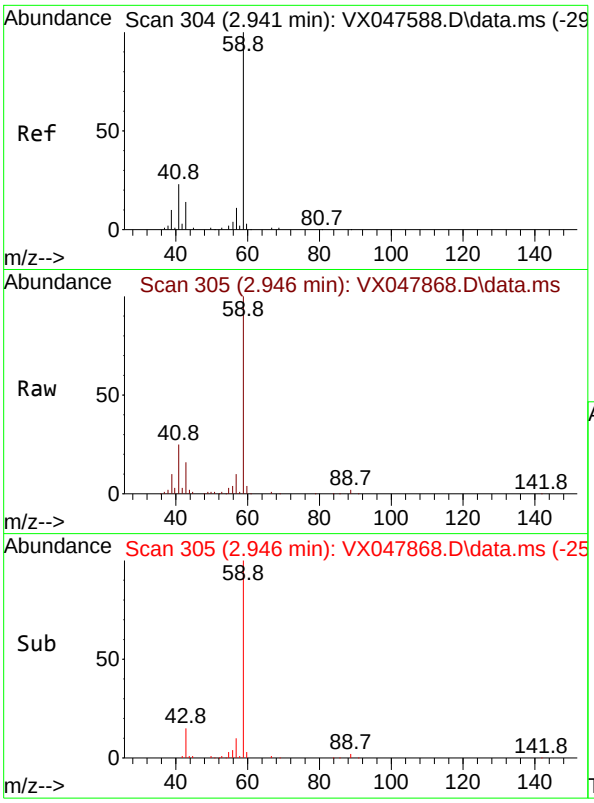


#10
Methyl Iodide
Concen: 41.036 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:142 Resp: 137605

Ion	Ratio	Lower	Upper
142	100		
127	45.6	37.2	55.8
141	13.9	11.4	17.0





#11
Tert butyl alcohol
Concen: 265.618 ug/l
RT: 2.946 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

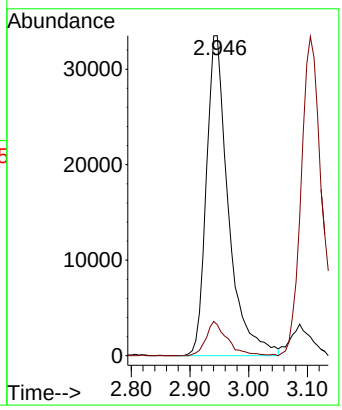
Tgt Ion: 59 Resp: 8753

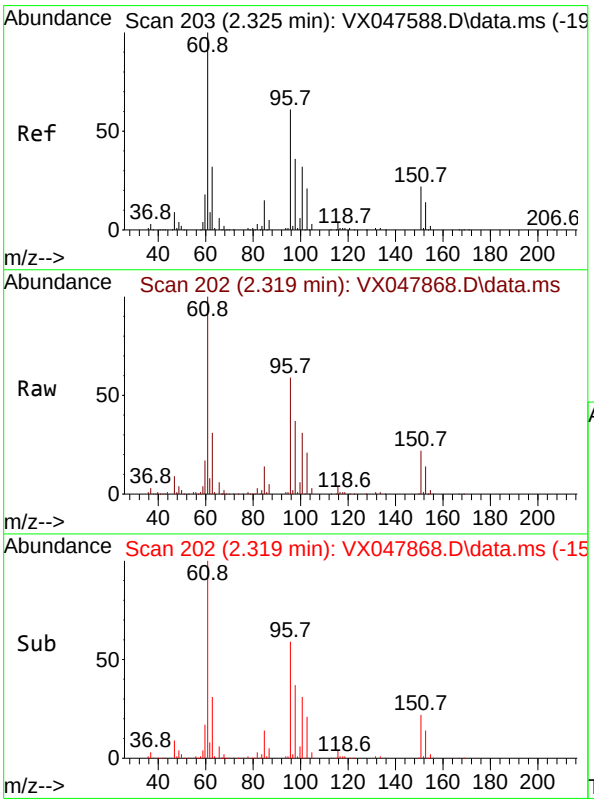
Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

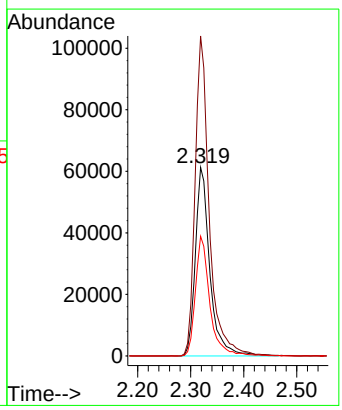


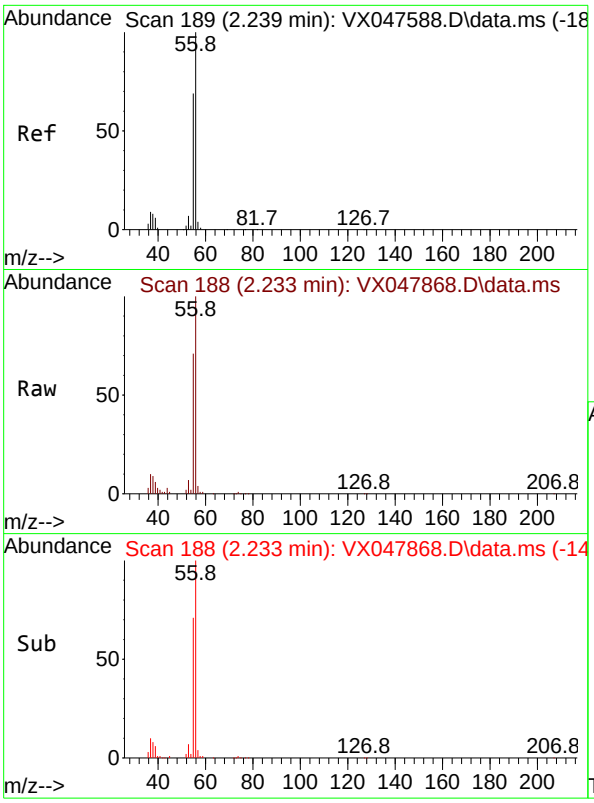


#12
1,1-Dichloroethene
Concen: 52.744 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 96 Resp: 116491

Ion	Ratio	Lower	Upper
96	100		
61	169.7	131.0	196.6
98	63.4	47.7	71.5





#13
Acrolein
Concen: 260.231 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

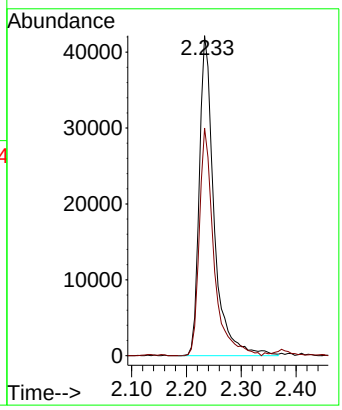
Tgt Ion: 56 Resp: 7902

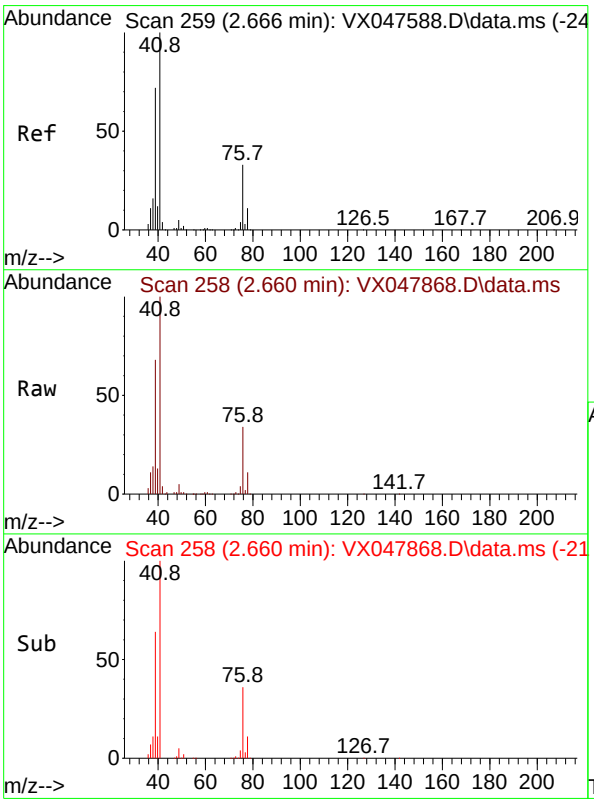
Ion	Ratio	Lower	Upper
56	100		
55	70.2	57.2	85.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

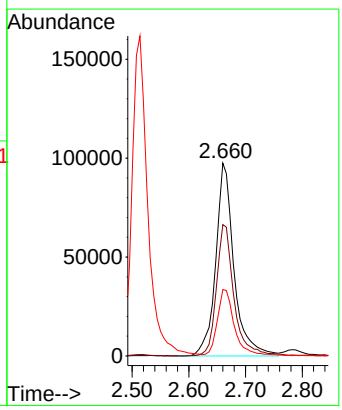


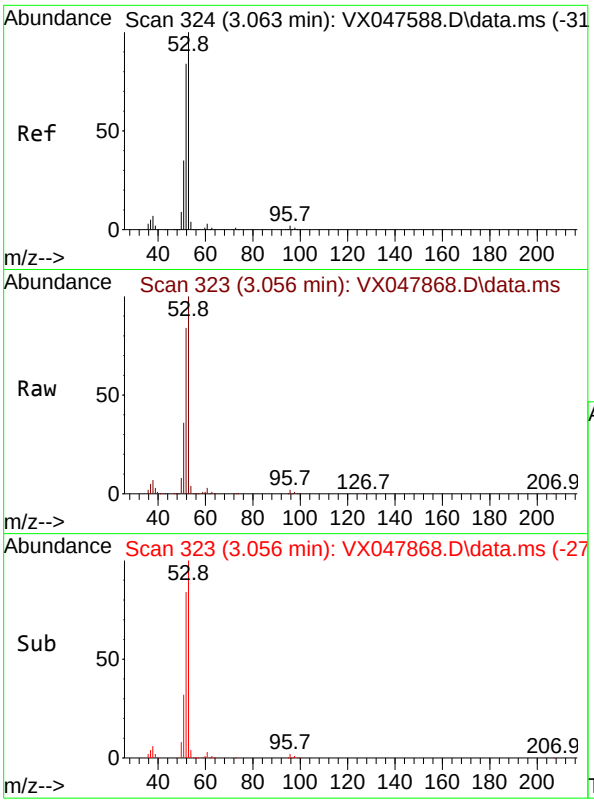


#14
Allyl chloride
Concen: 48.043 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 41 Resp: 218958

Ion	Ratio	Lower	Upper
41	100		
39	65.5	54.7	82.1
76	32.1	25.7	38.5

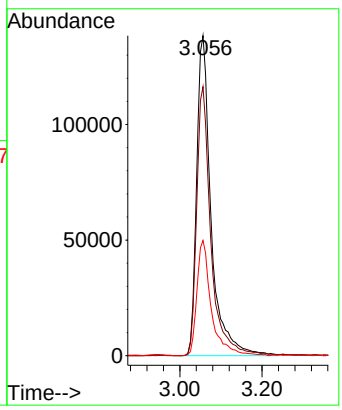




#15
Acrylonitrile
Concen: 277.492 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 53 Resp: 33872

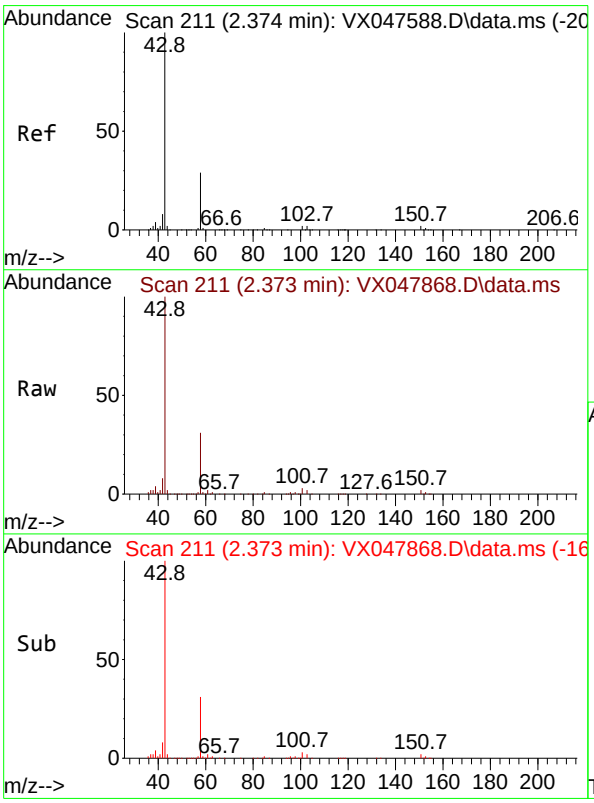
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.4	99.6
51	36.0	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

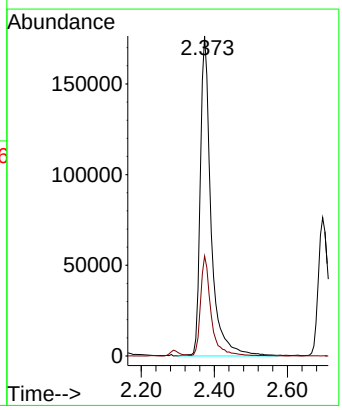
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

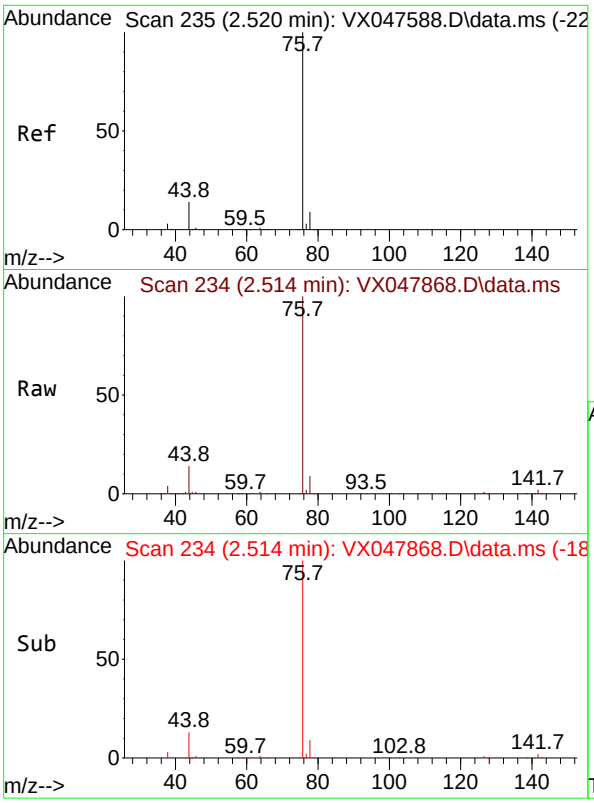


#16
Acetone
Concen: 280.697 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 43 Resp: 361134

Ion	Ratio	Lower	Upper
43	100		
58	31.3	23.4	35.0





#17
Carbon Disulfide
Concen: 51.215 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

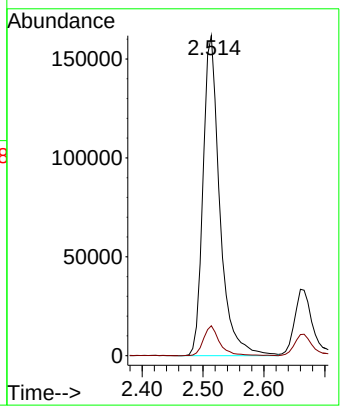
Tgt Ion: 76 Resp: 30966

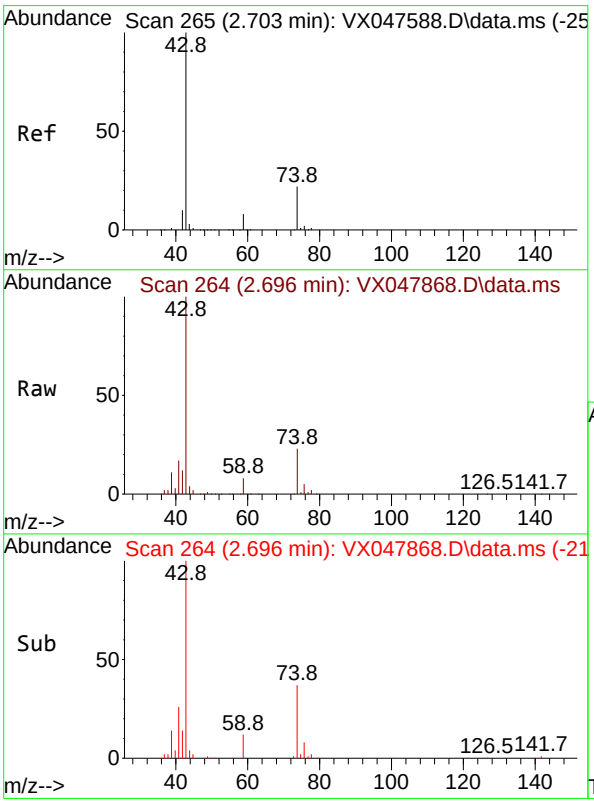
Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.8	10.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

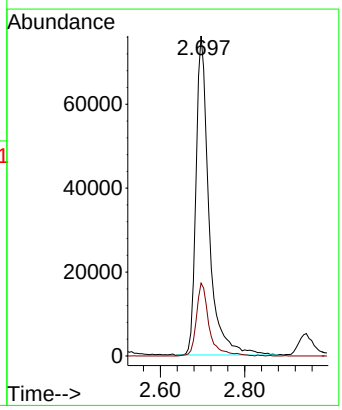


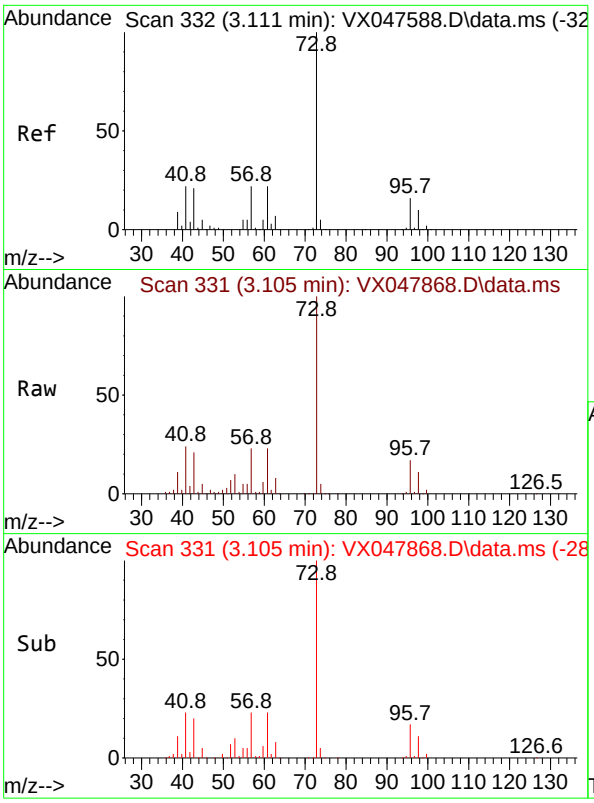


#18
Methyl Acetate
Concen: 57.086 ug/l
RT: 2.696 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 43 Resp: 163451

Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.4	26.2

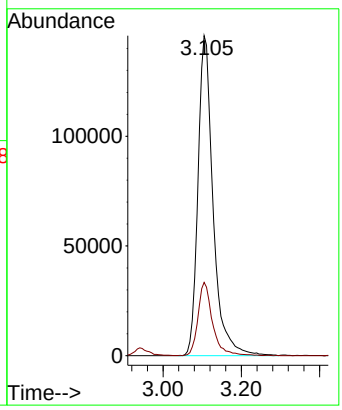




#19
Methyl tert-butyl Ether
Concen: 48.669 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 73 Resp: 39238

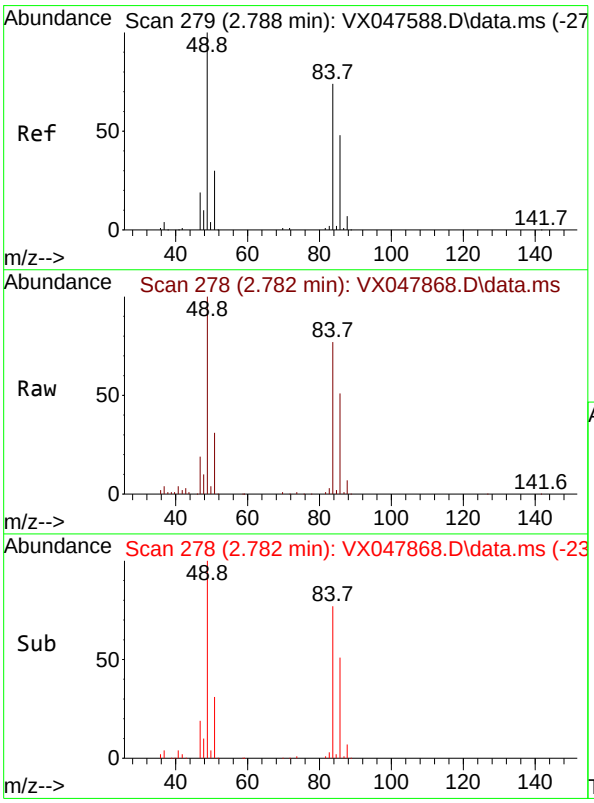
Ion	Ratio	Lower	Upper
73	100		
57	22.8	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

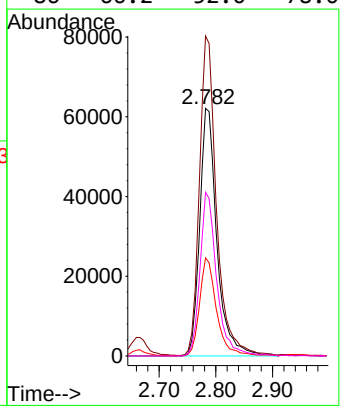
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

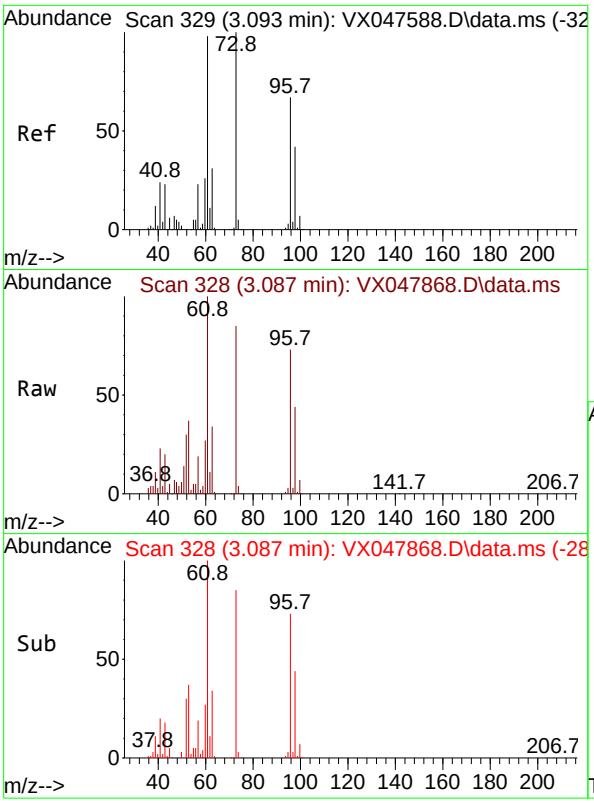


#20
Methylene Chloride
Concen: 48.208 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 84 Resp: 131286

Ion	Ratio	Lower	Upper
84	100		
49	129.1	108.6	162.8
51	39.5	32.6	48.8
86	66.2	52.0	78.0





#21
trans-1,2-Dichloroethene
Concen: 51.238 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

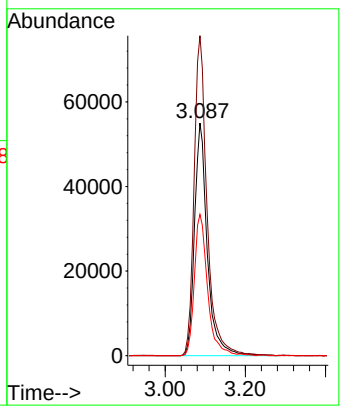
Tgt Ion: 96 Resp: 12183

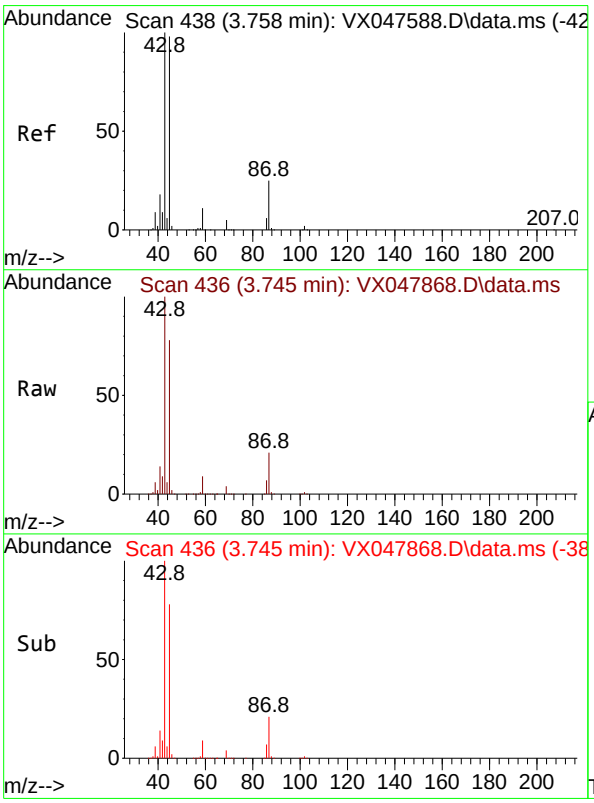
Ion	Ratio	Lower	Upper
96	100		
61	137.5	116.2	174.2
98	60.7	49.3	73.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

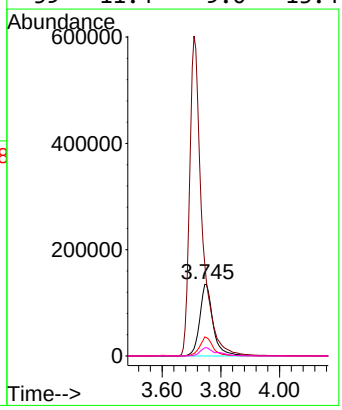


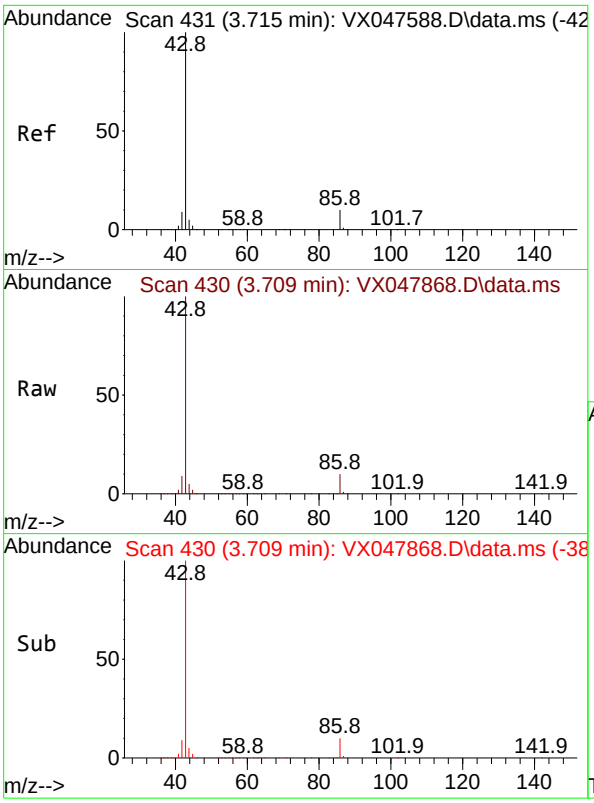


#22
Diisopropyl ether
Concen: 48.128 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 45 Resp: 425099

Ion	Ratio	Lower	Upper
45	100		
43	128.4	81.0	121.4#
87	26.7	20.3	30.5
59	11.4	9.0	13.4





#23
Vinyl Acetate
Concen: 249.599 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

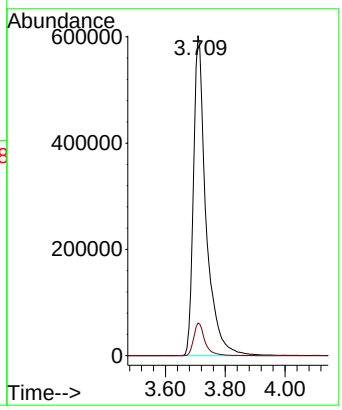
Tgt Ion: 43 Resp: 176445

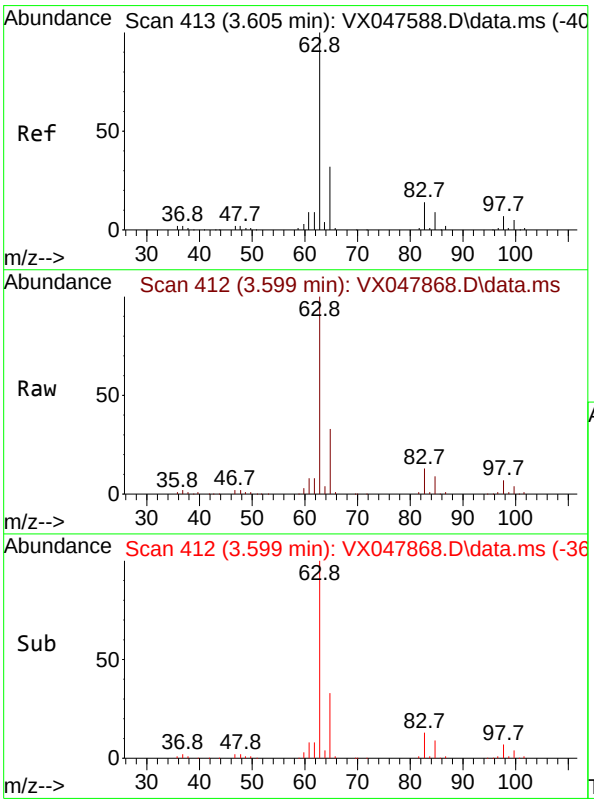
Ion	Ratio	Lower	Upper
43	100		
86	10.2	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

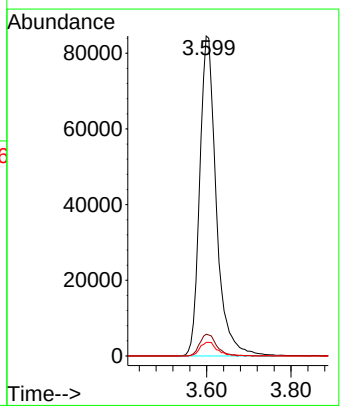


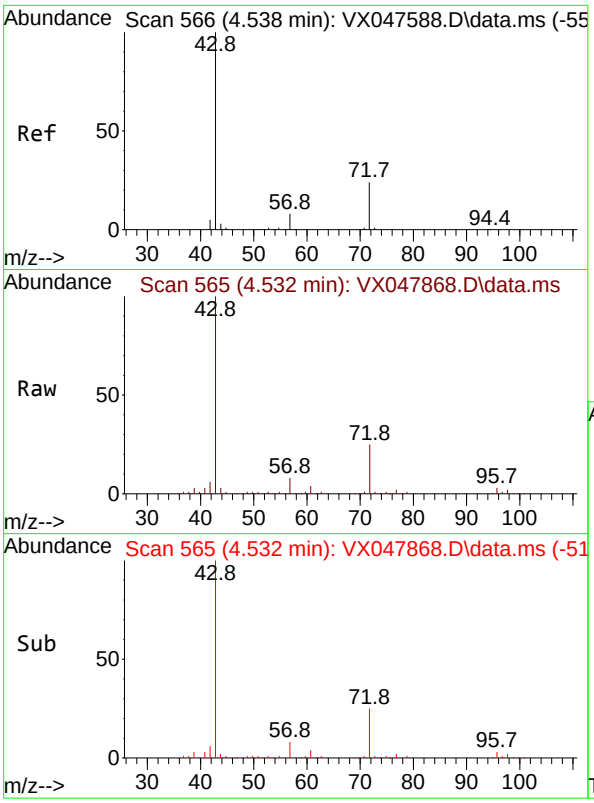


#24
1,1-Dichloroethane
Concen: 49.280 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 63 Resp: 231350

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.8	11.2
100	4.5	2.3	6.9





#25
2-Butanone
Concen: 279.567 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

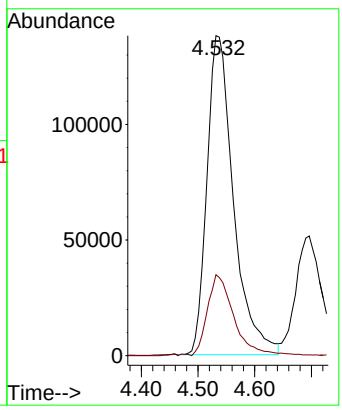
Tgt Ion: 43 Resp: 44865

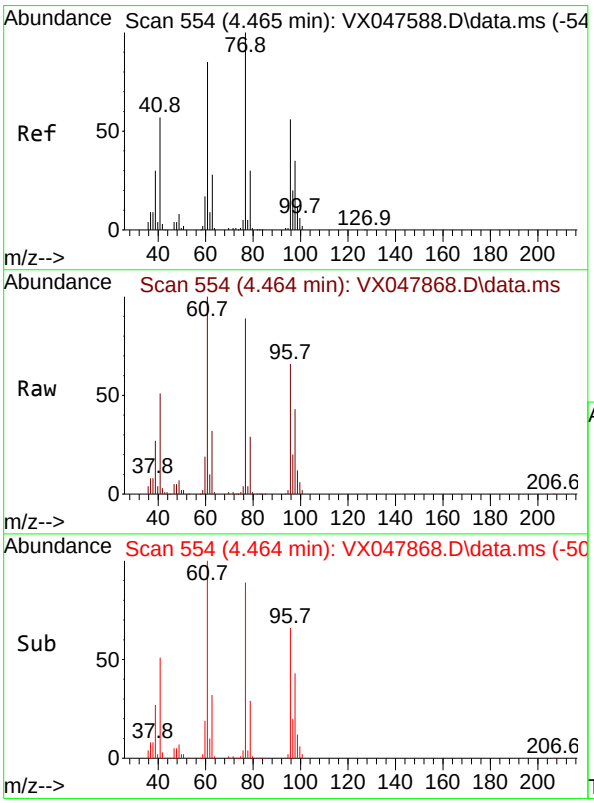
Ion	Ratio	Lower	Upper
43	100		
72	25.4	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

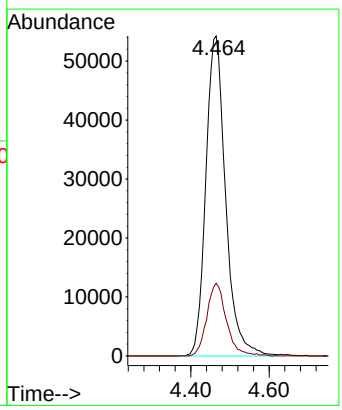


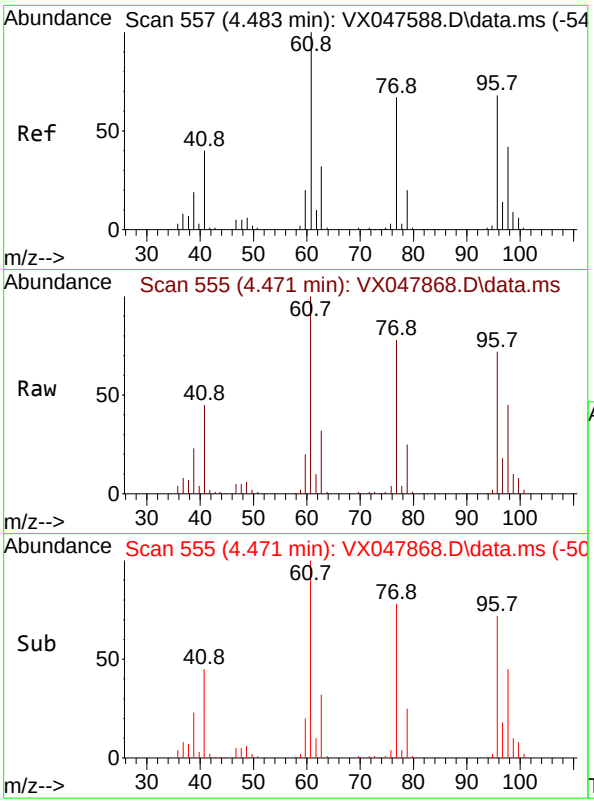


#26
2,2-Dichloropropane
Concen: 48.604 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 77 Resp: 189672

Ion	Ratio	Lower	Upper
77	100		
97	22.5	10.9	32.7

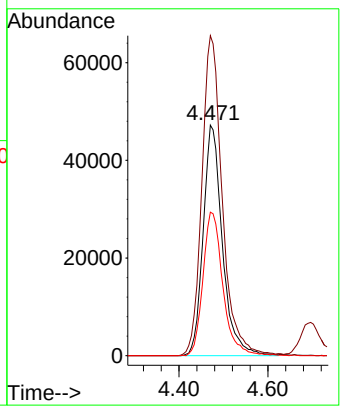




#27
cis-1,2-Dichloroethene
Concen: 48.794 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 96 Resp: 14209

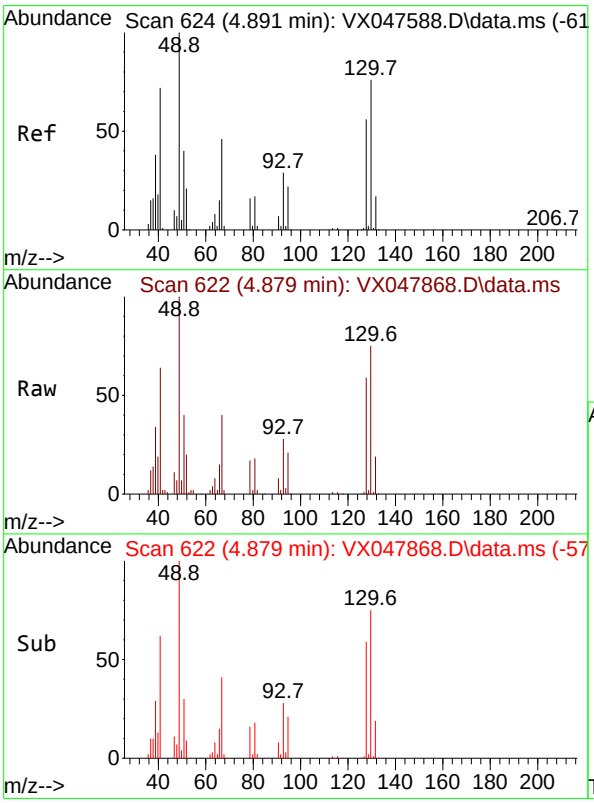
Ion	Ratio	Lower	Upper
96	100		
61	147.6	0.0	303.2
98	64.6	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

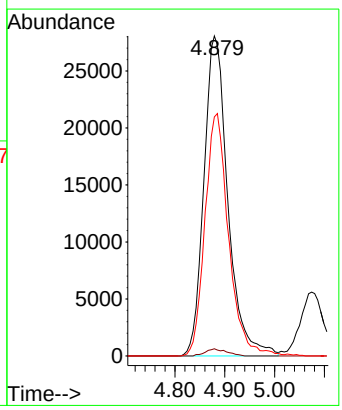
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

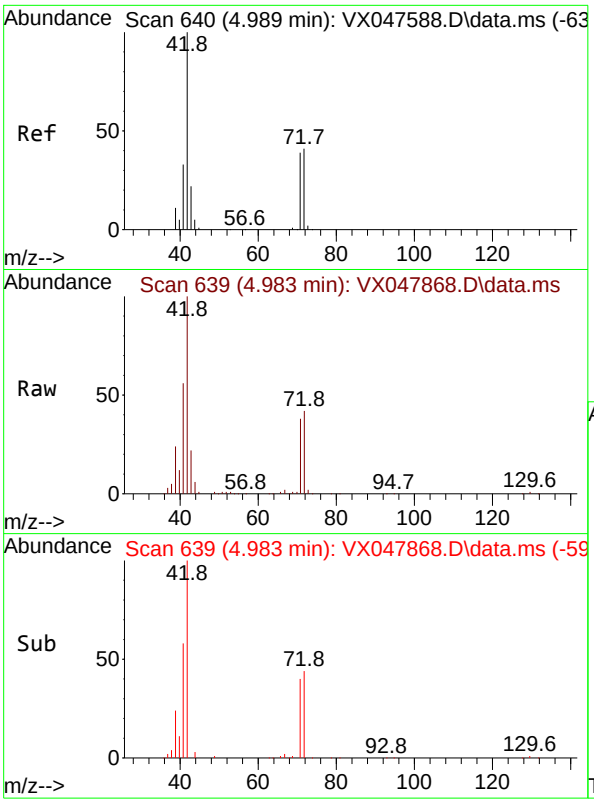


#28
Bromochloromethane
Concen: 45.720 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 49 Resp: 93704

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.2
130	74.7	57.8	86.8

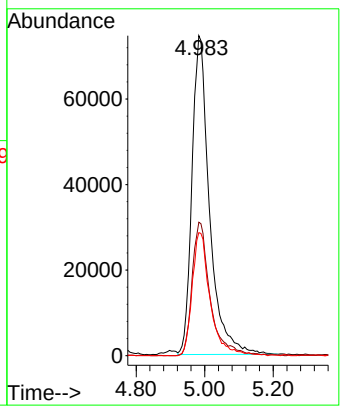




#29
Tetrahydrofuran
Concen: 274.385 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 42 Resp: 26489

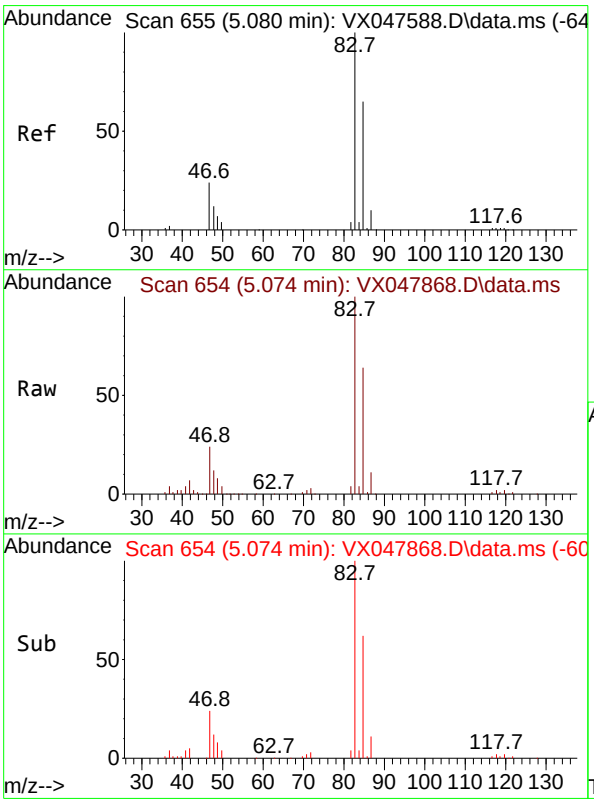
Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.2	51.2
71	39.5	31.9	47.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

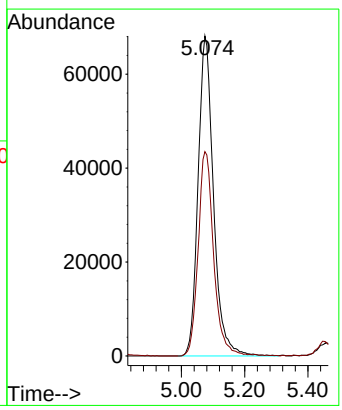
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

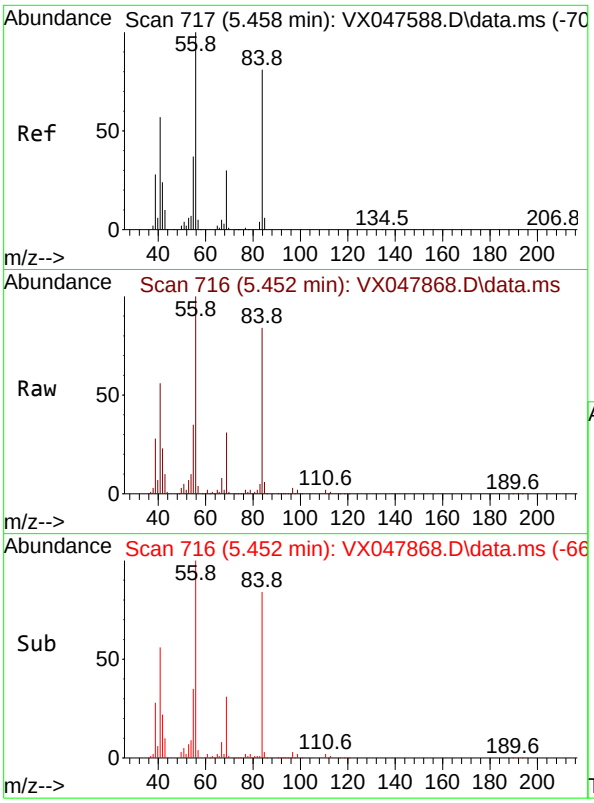


#30
Chloroform
Concen: 48.711 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 83 Resp: 231088

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.8	77.6





#31
Cyclohexane
Concen: 47.235 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

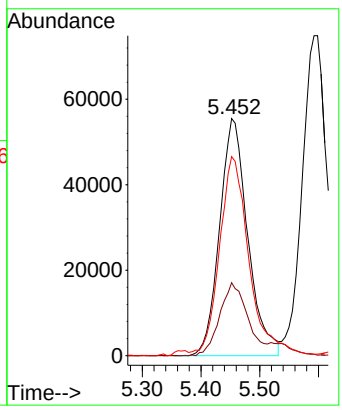
Tgt Ion: 56 Resp: 18469

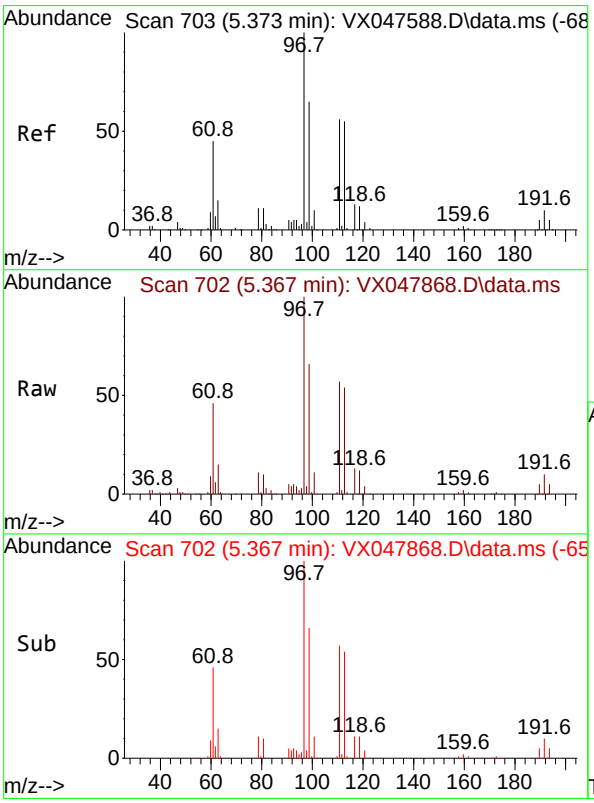
Ion	Ratio	Lower	Upper
56	100		
69	30.8	23.8	35.8
84	81.8	64.6	97.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

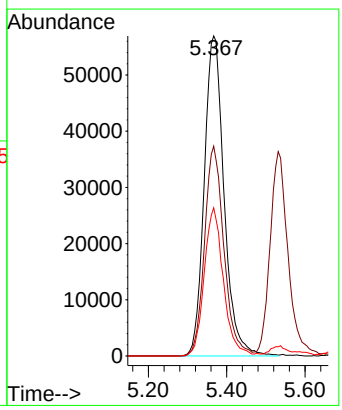


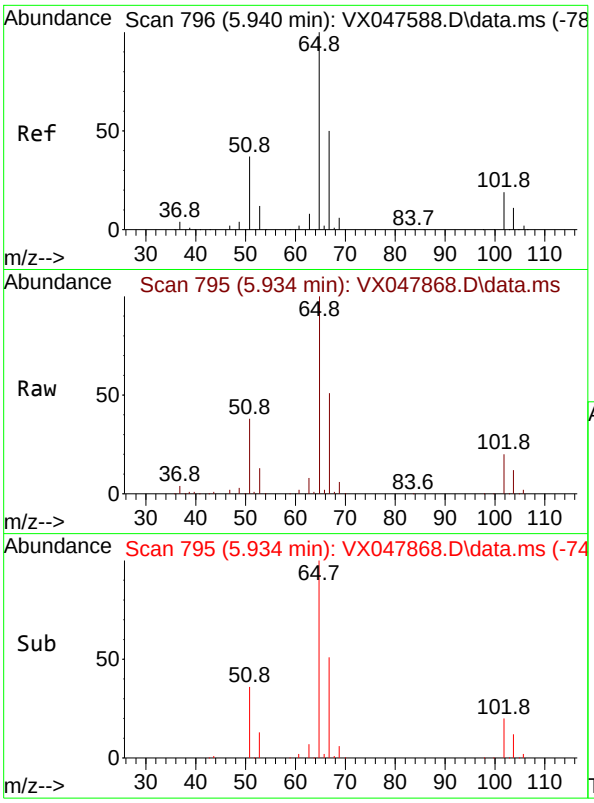


#32
1,1,1-Trichloroethane
Concen: 49.790 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 97 Resp: 200353

Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.6	76.0
61	44.6	35.8	53.8

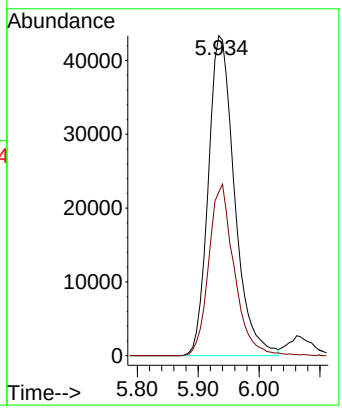




#33
1,2-Dichloroethane-d4
Concen: 43.924 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 65 Resp: 12997

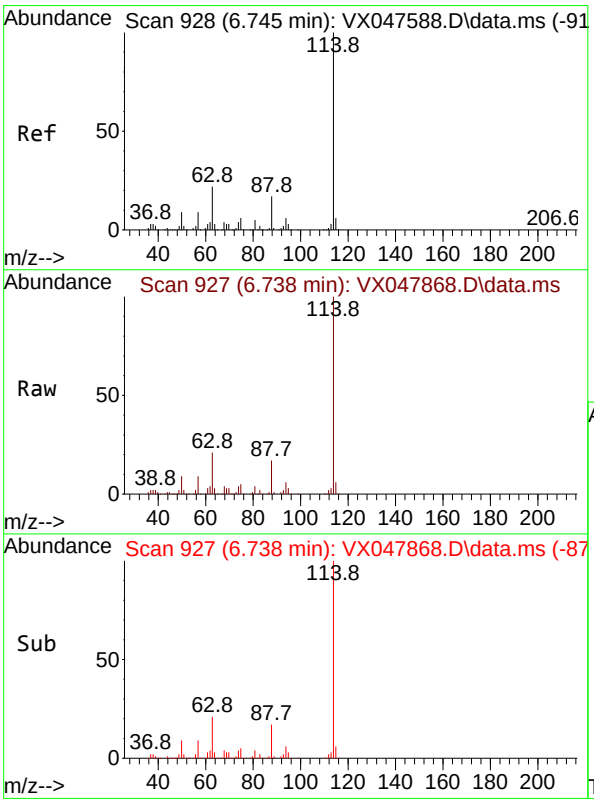
Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

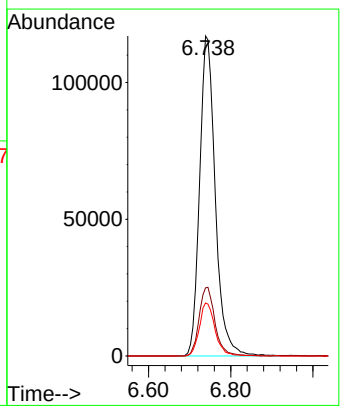
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

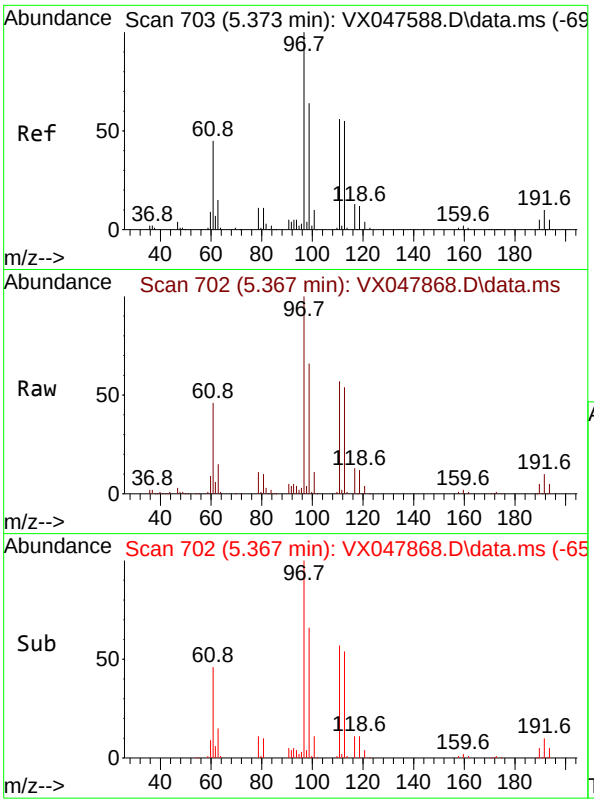


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.738 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:114 Resp: 309770

Ion	Ratio	Lower	Upper
114	100		
63	24.4	0.0	44.0
88	16.6	0.0	34.2

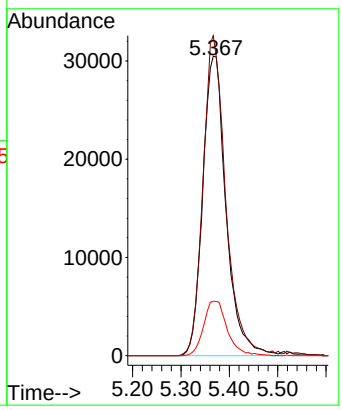




#35
Dibromofluoromethane
Concen: 49.019 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:113 Resp: 10183

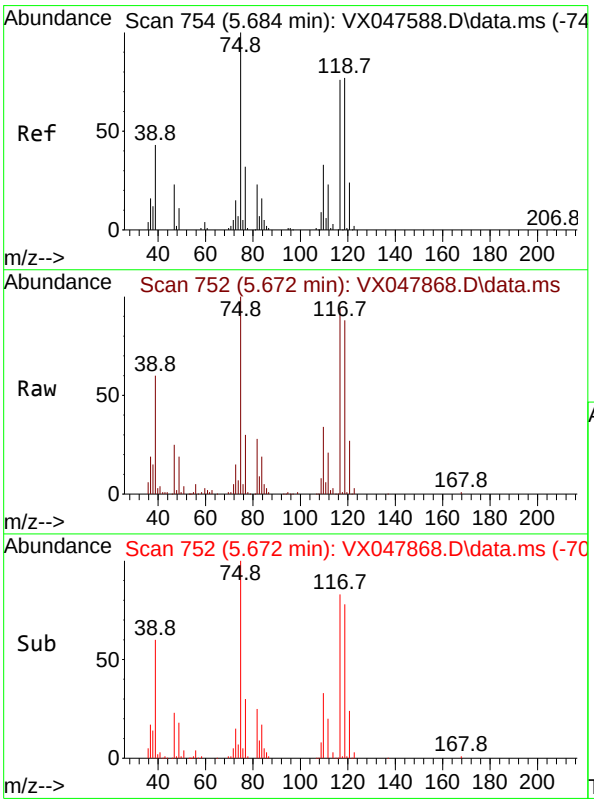
Ion	Ratio	Lower	Upper
113	100		
111	104.2	80.9	121.3
192	18.5	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

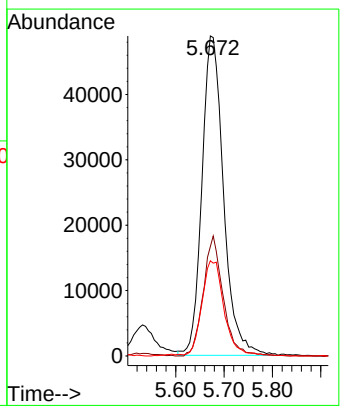
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

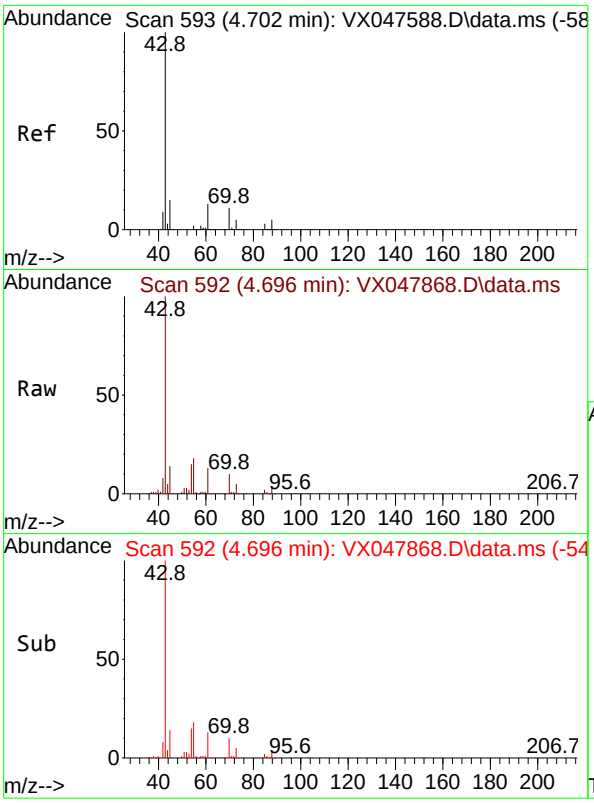


#36
1,1-Dichloropropene
Concen: 49.930 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 75 Resp: 151572

Ion	Ratio	Lower	Upper
75	100		
110	34.7	16.7	50.1
77	30.8	24.3	36.5





#37
Ethyl Acetate
Concen: 53.454 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

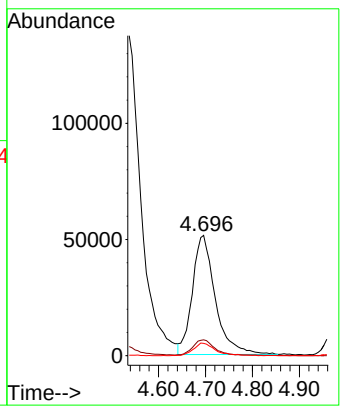
Tgt Ion: 43 Resp: 17374

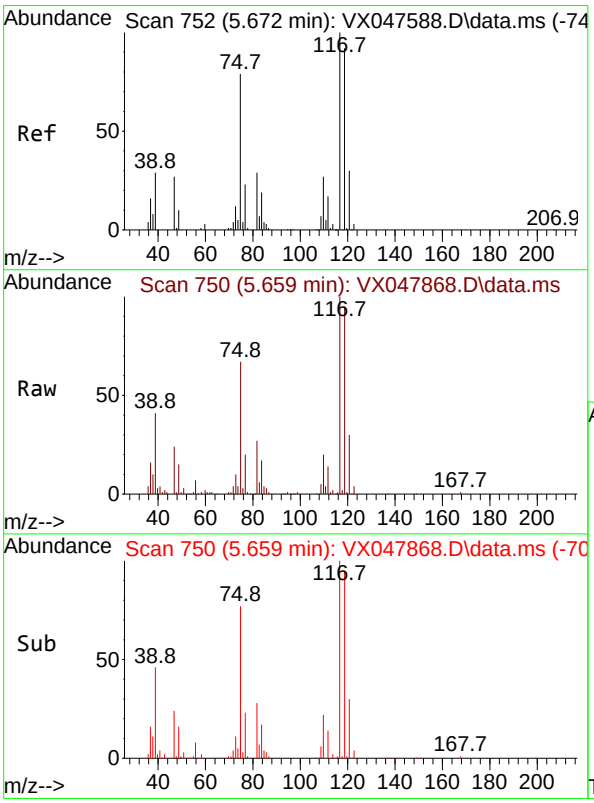
Ion	Ratio	Lower	Upper
43	100		
61	11.7	9.8	14.8
70	10.2	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

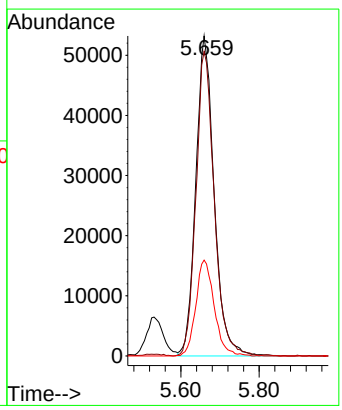


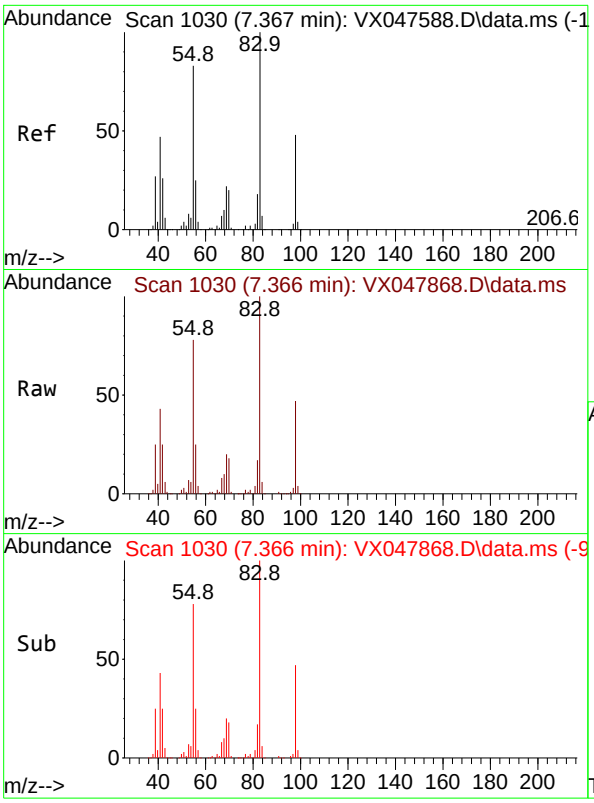


#38
Carbon Tetrachloride
Concen: 52.552 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:117 Resp: 173335

Ion	Ratio	Lower	Upper
117	100		
119	95.1	73.4	110.2
121	30.0	23.8	35.6





#39
Methylcyclohexane
Concen: 52.190 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

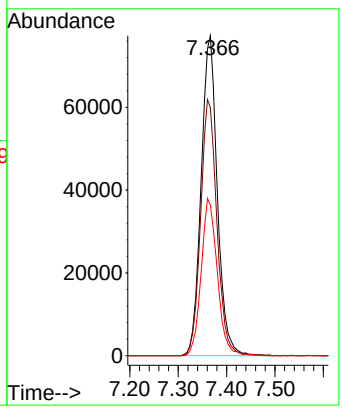
Tgt Ion: 83 Resp: 17984

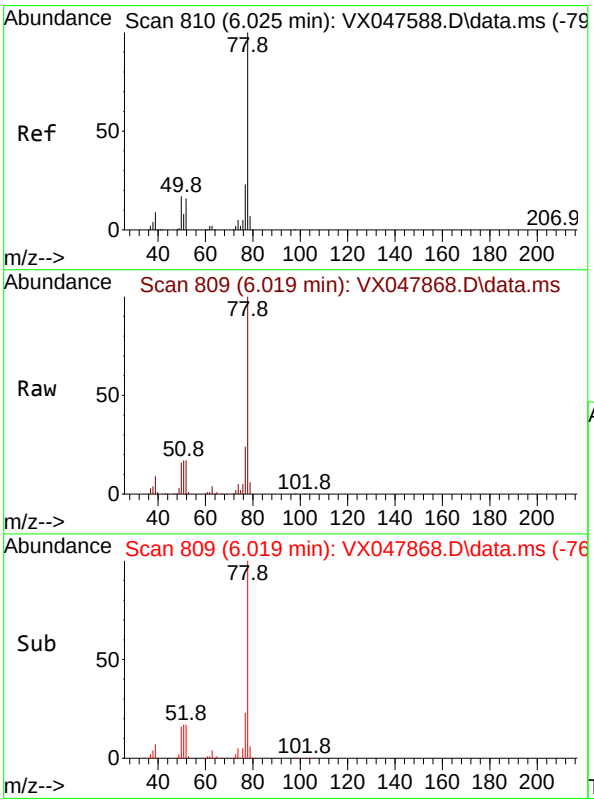
Ion	Ratio	Lower	Upper
83	100		
55	77.5	66.4	99.6
98	47.0	38.1	57.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

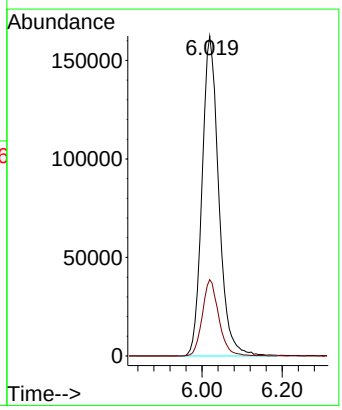


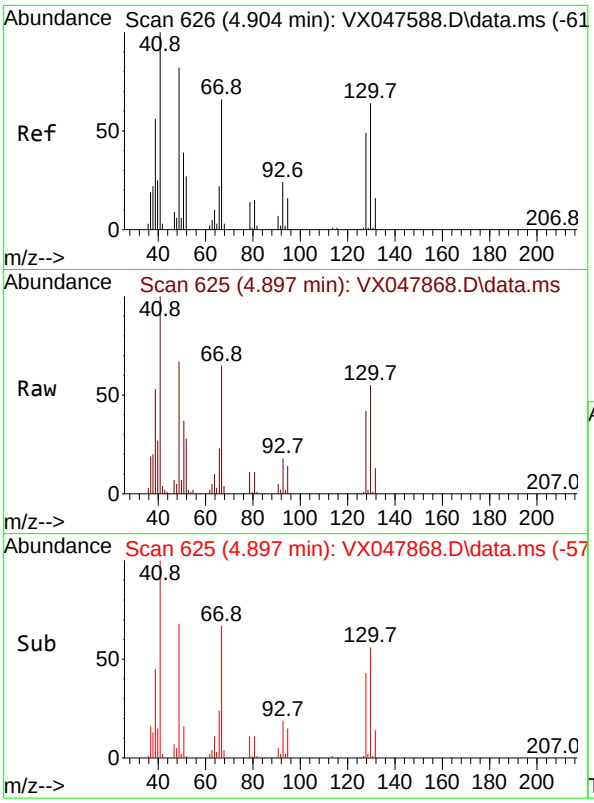


#40
Benzene
Concen: 50.913 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 78 Resp: 469430

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2

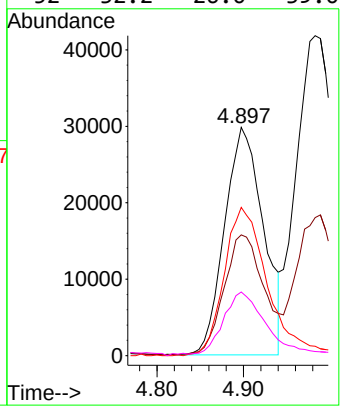




#41
Methacrylonitrile
Concen: 55.306 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 41 Resp: 9280

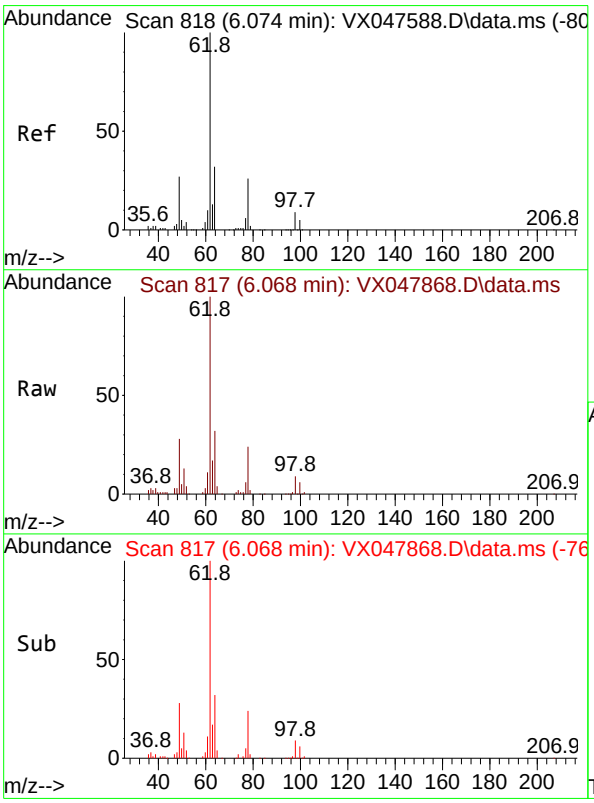
Ion	Ratio	Lower	Upper
41	100		
39	55.9	43.3	64.9
67	73.6	58.6	87.8
52	32.2	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

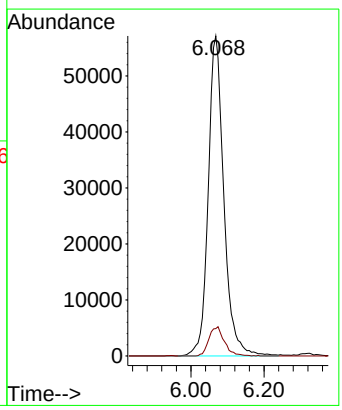
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

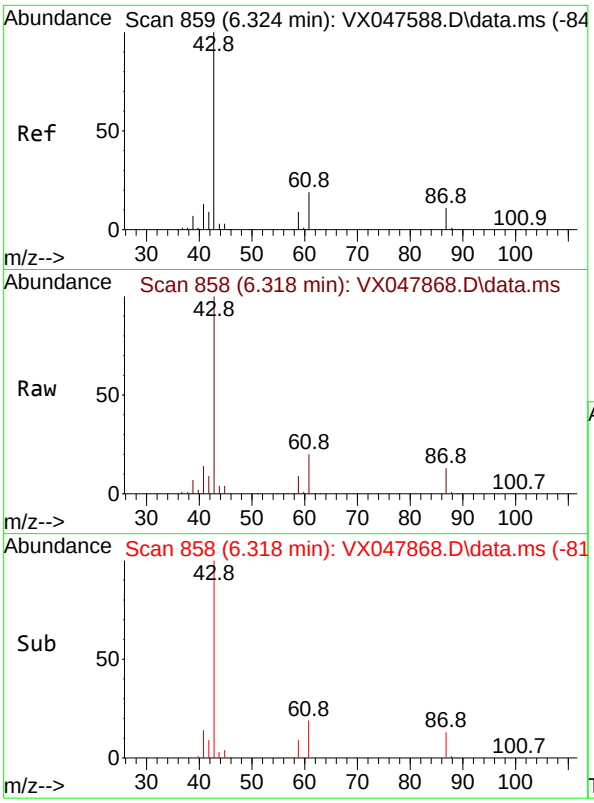


#42
1,2-Dichloroethane
Concen: 48.208 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 62 Resp: 169122

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.0





#43
Isopropyl Acetate
Concen: 51.772 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

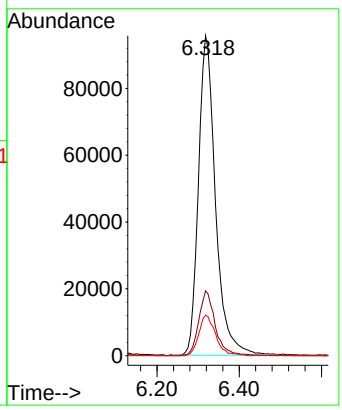
Tgt Ion: 43 Resp: 27598

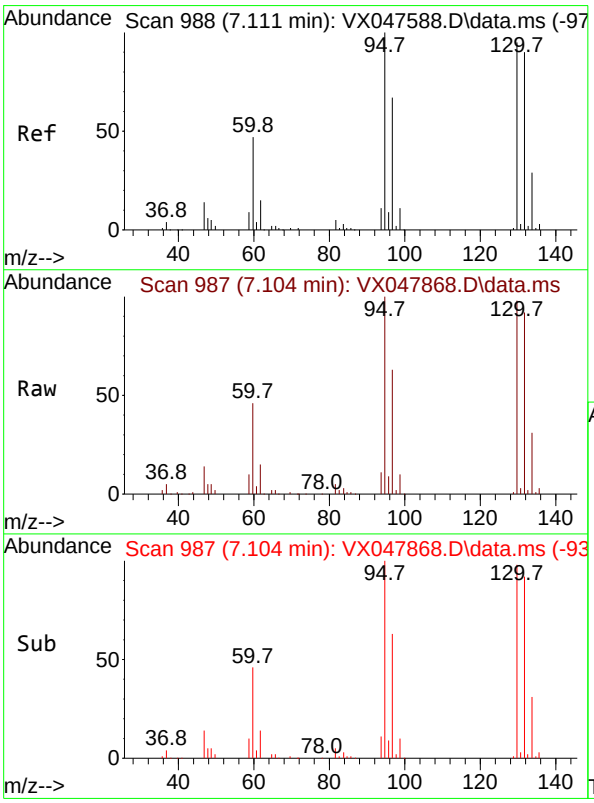
Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.2	22.8
87	12.5	9.6	14.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

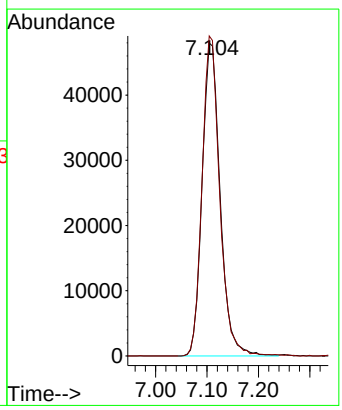


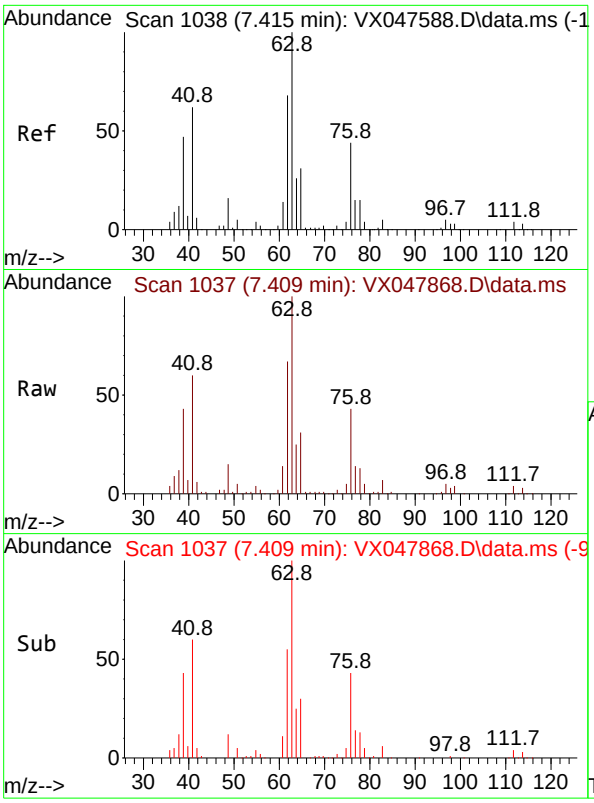


#44
Trichloroethene
Concen: 52.365 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:130 Resp: 116728

Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	210.8





#45
1,2-Dichloropropane
Concen: 51.610 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

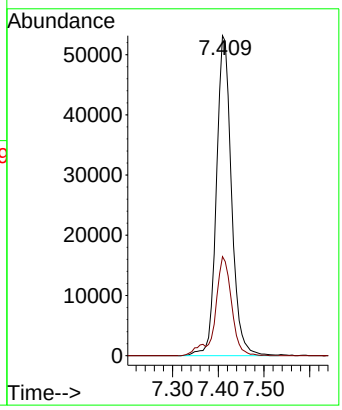
Tgt Ion: 63 Resp: 12184

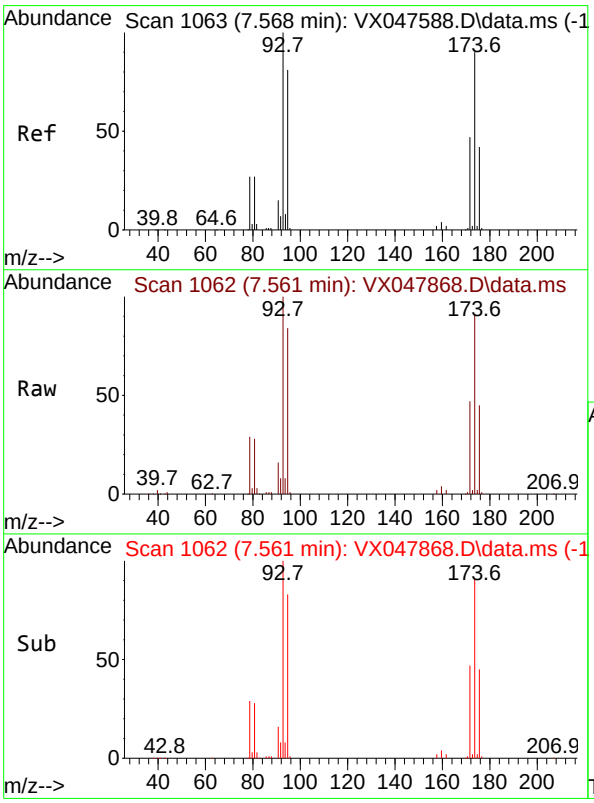
Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

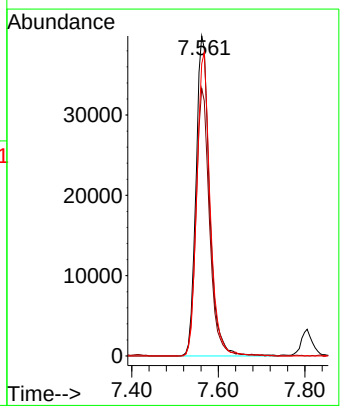


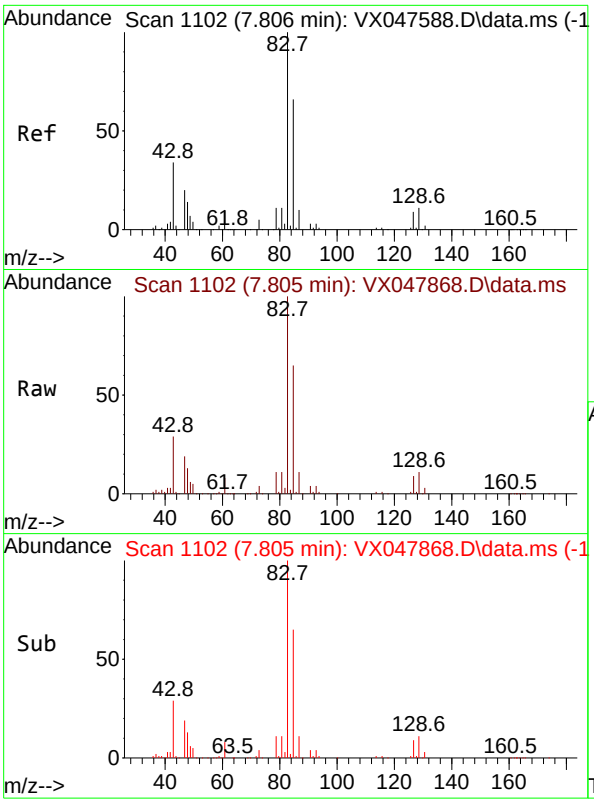


#46
Dibromomethane
Concen: 50.480 ug/l
RT: 7.561 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 93 Resp: 86727

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.0	97.6
174	92.9	71.6	107.4

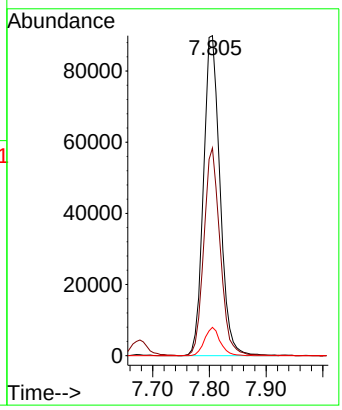




#47
Bromodichloromethane
Concen: 51.370 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 83 Resp: 18212

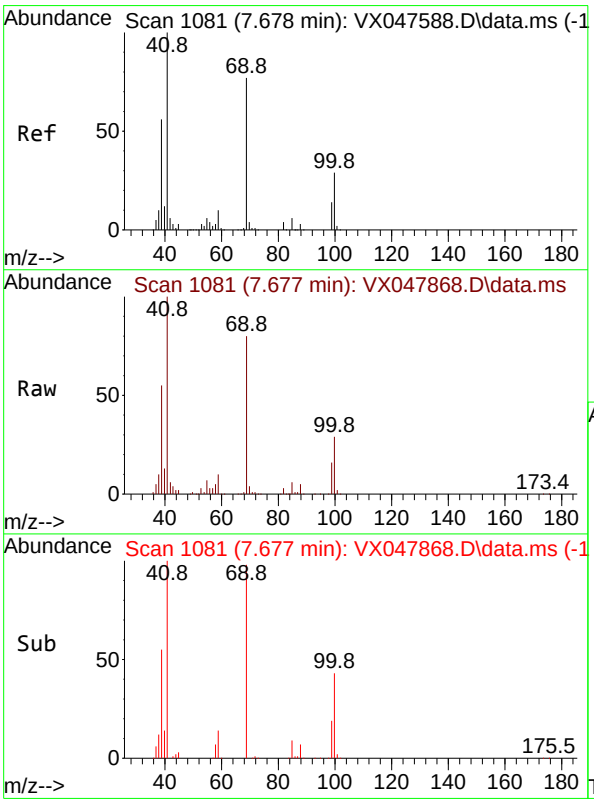
Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.5	78.7
127	8.8	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

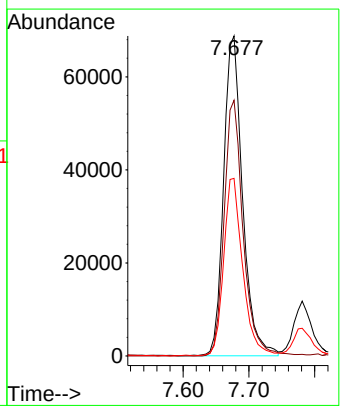
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

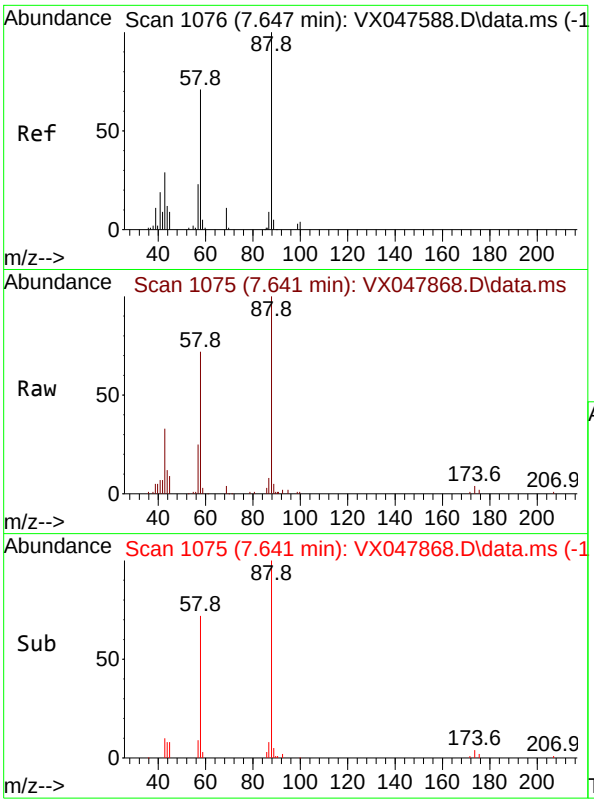


#48
Methyl methacrylate
Concen: 52.008 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 41 Resp: 138099

Ion	Ratio	Lower	Upper
41	100		
69	80.2	61.4	92.2
39	55.7	45.8	68.6





#49
1,4-Dioxane
Concen: 1343.657 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

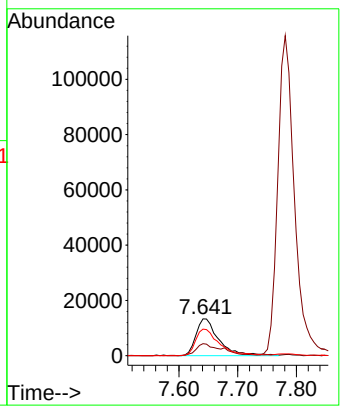
Tgt Ion: 88 Resp: 3605

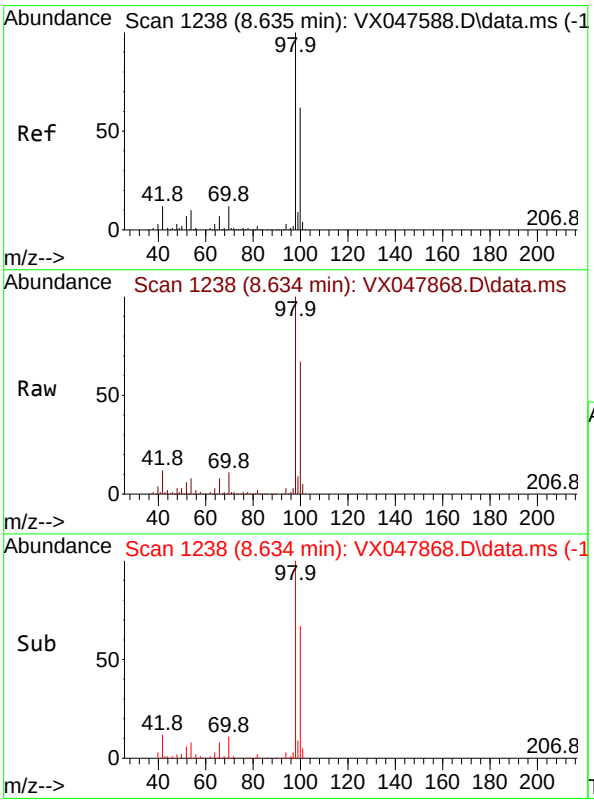
Ion	Ratio	Lower	Upper
88	100		
43	37.6	30.2	45.2
58	75.3	59.5	89.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

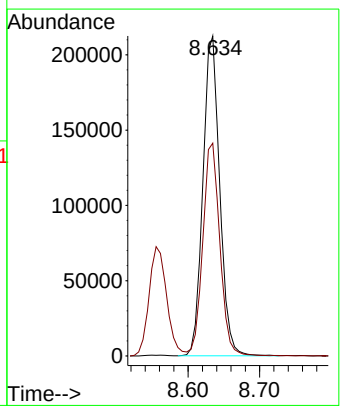


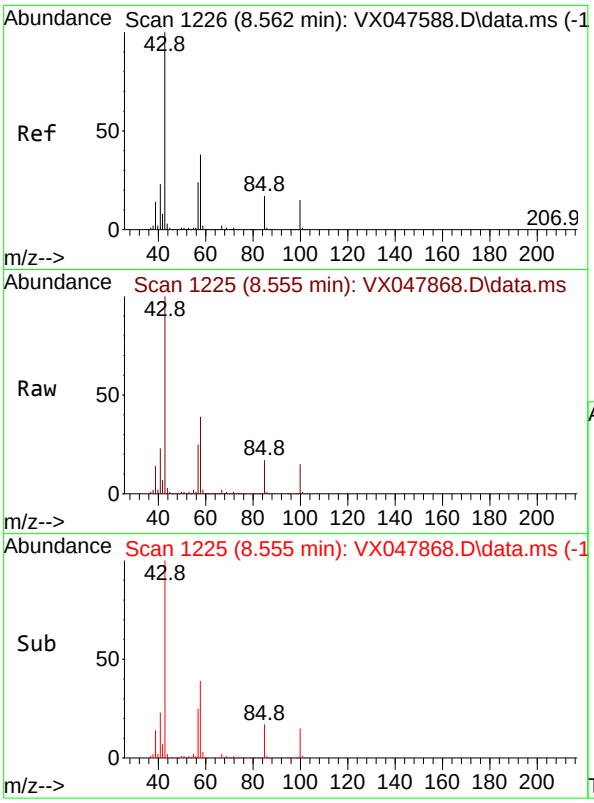


#50
Toluene-d8
Concen: 48.212 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 98 Resp: 346572

Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.0	79.4





#51
4-Methyl-2-Pentanone
Concen: 281.303 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

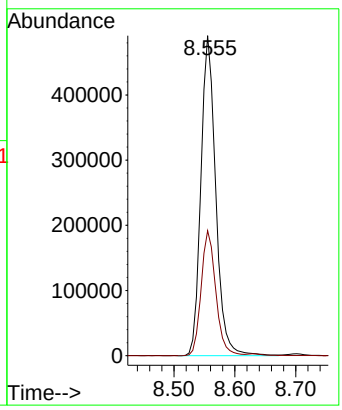
Tgt Ion: 43 Resp: 83142

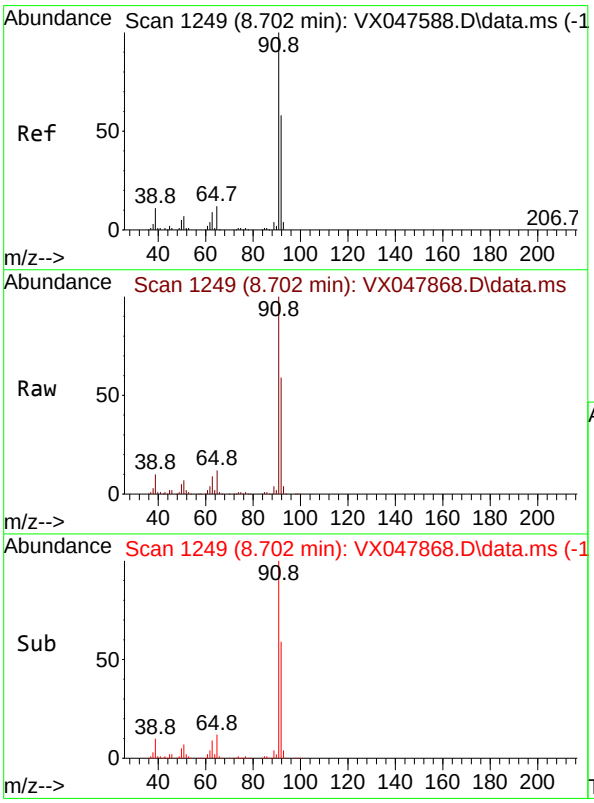
Ion	Ratio	Lower	Upper
43	100		
58	38.5	30.3	45.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

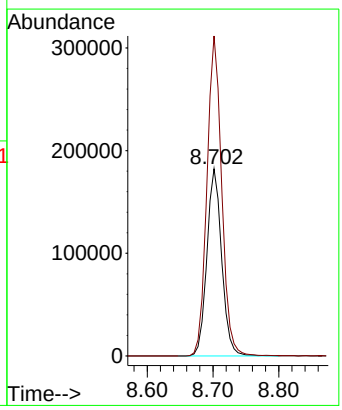


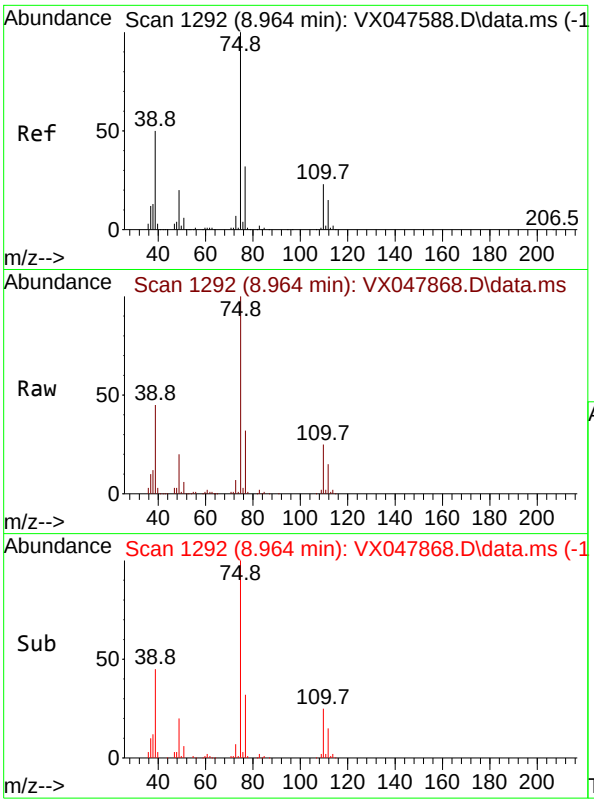


#52
Toluene
Concen: 50.235 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 92 Resp: 285361

Ion	Ratio	Lower	Upper
92	100		
91	170.6	137.1	205.7

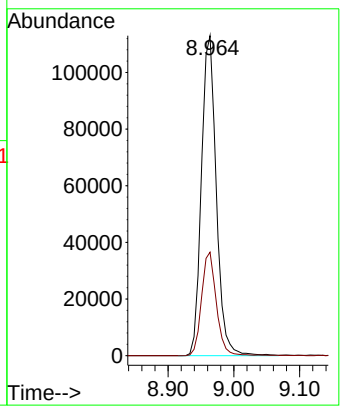




#53
t-1,3-Dichloropropene
Concen: 49.211 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 75 Resp: 17796

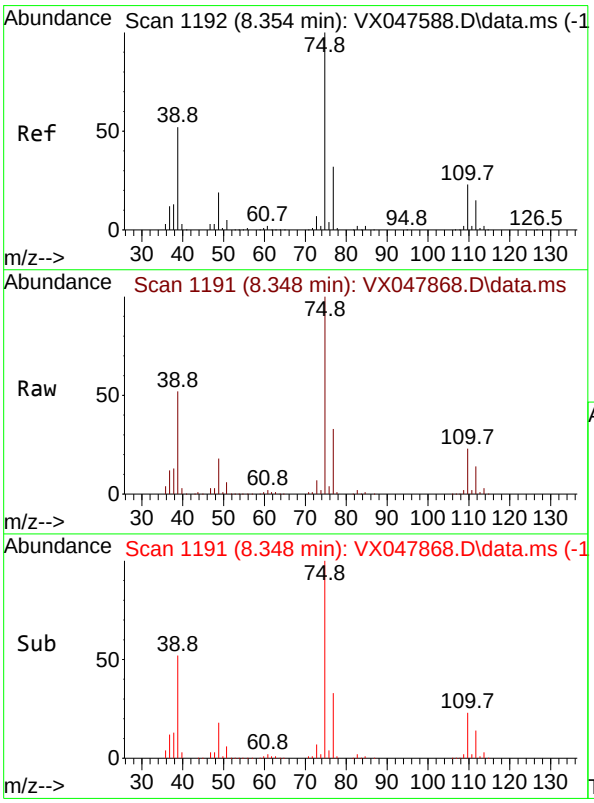
Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

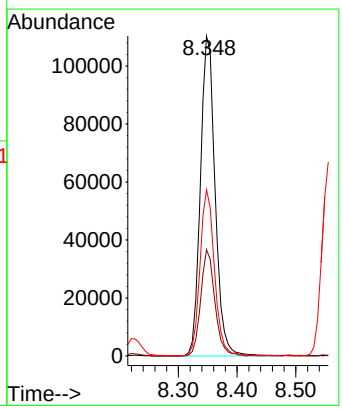
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

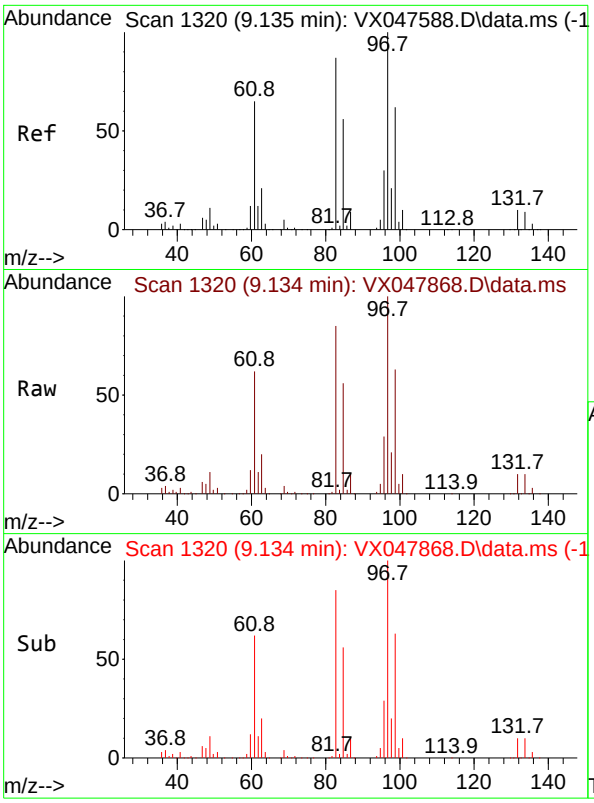


#54
cis-1,3-Dichloropropene
Concen: 49.755 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 75 Resp: 192314

Ion	Ratio	Lower	Upper
75	100		
77	33.2	25.8	38.6
39	51.9	41.4	62.2

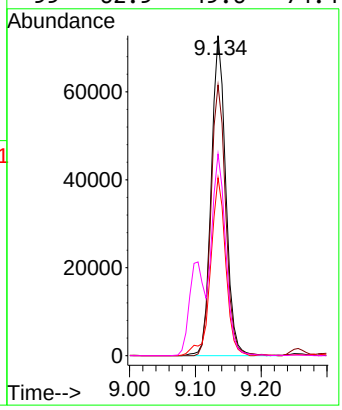




#55
1,1,2-Trichloroethane
Concen: 50.959 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 97 Resp: 11162

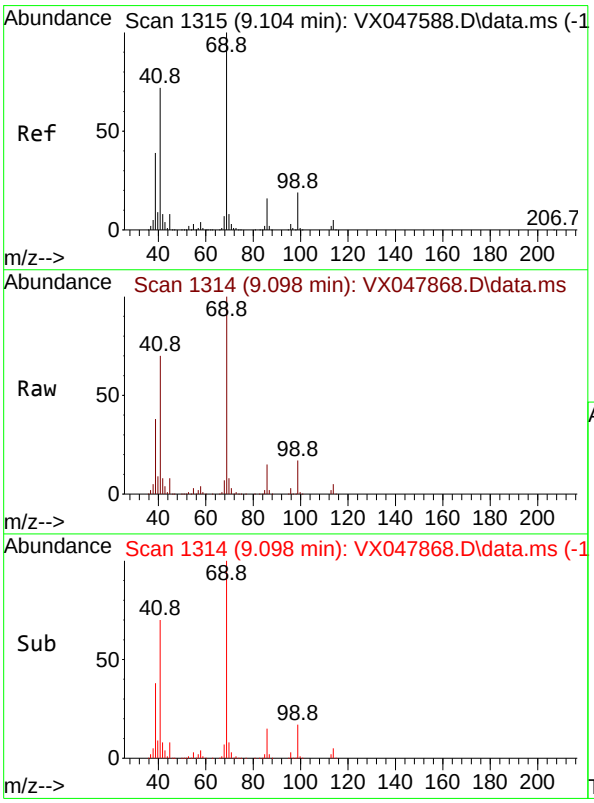
Ion	Ratio	Lower	Upper
97	100		
83	84.6	69.6	104.4
85	55.6	45.0	67.6
99	62.9	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

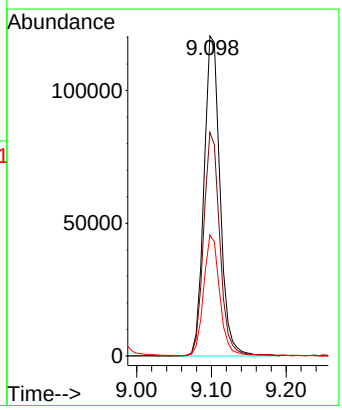
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

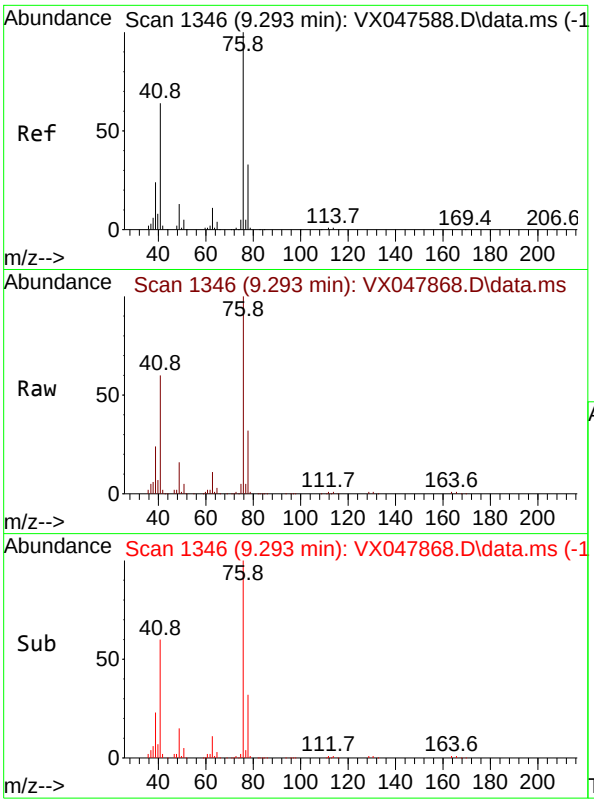


#56
Ethyl methacrylate
Concen: 52.421 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 69 Resp: 180325

Ion	Ratio	Lower	Upper
69	100		
41	70.7	58.6	87.8
39	38.3	31.5	47.3





#57
1,3-Dichloropropane
Concen: 50.725 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

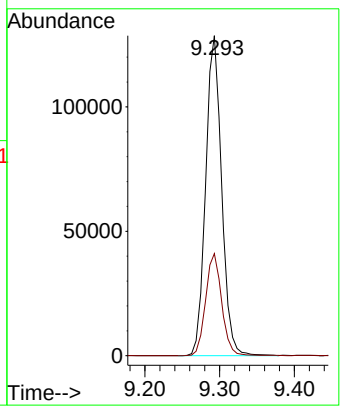
Tgt Ion: 76 Resp: 19086

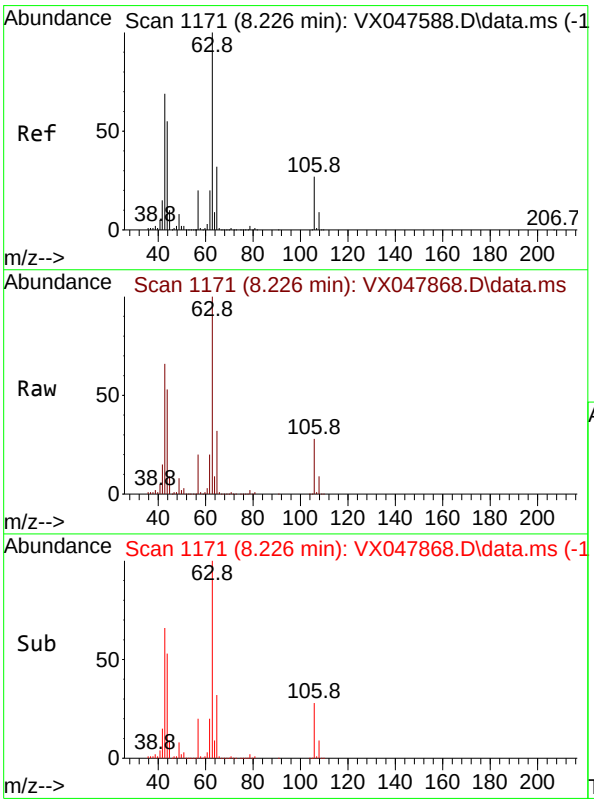
Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.2	39.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

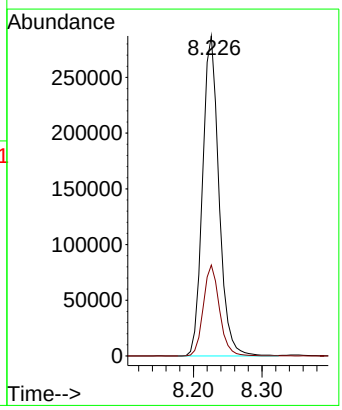


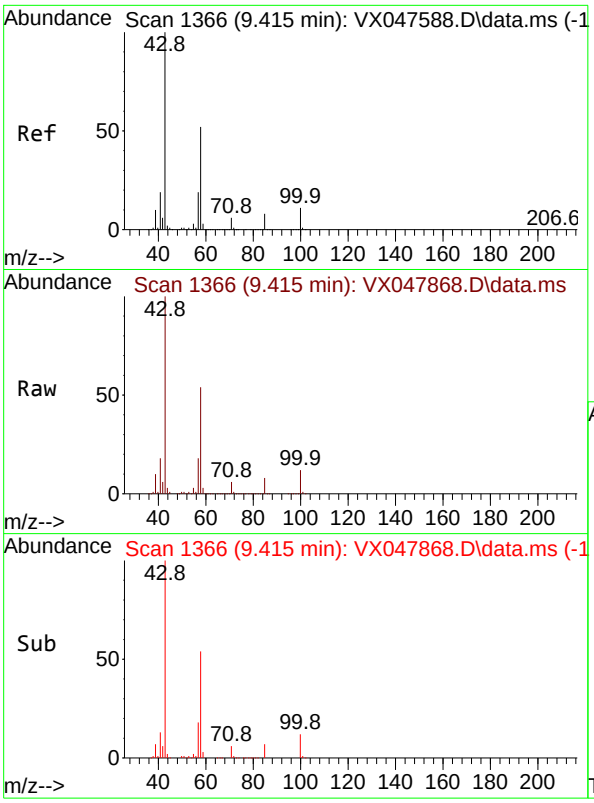


#58
2-Chloroethyl Vinyl ether
Concen: 288.479 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 63 Resp: 478951

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.9	32.9





#59
2-Hexanone
Concen: 284.417 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

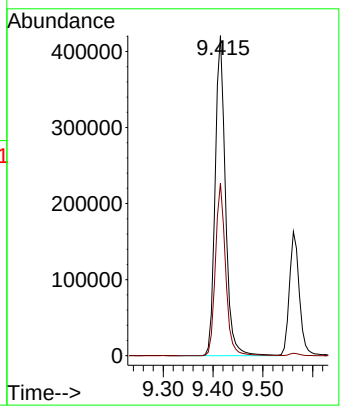
Tgt Ion: 43 Resp: 60374

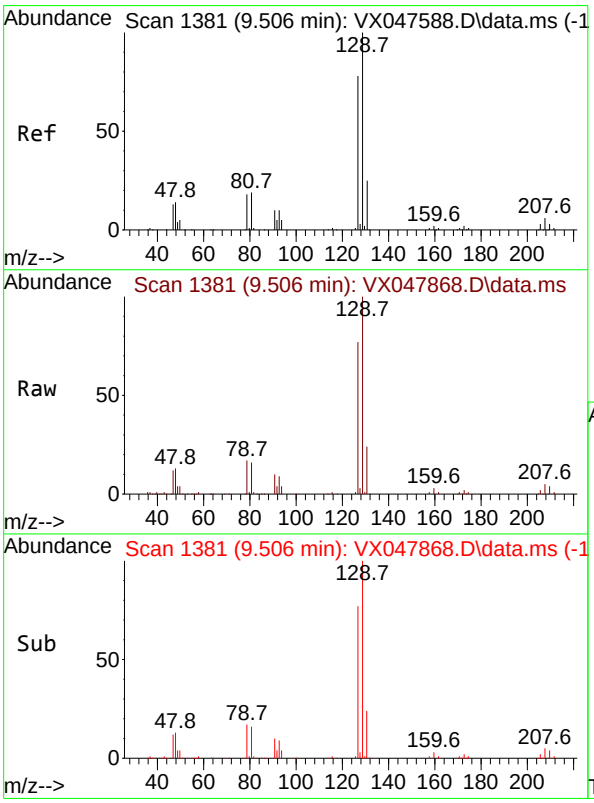
Ion	Ratio	Lower	Upper
43	100		
58	53.2	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

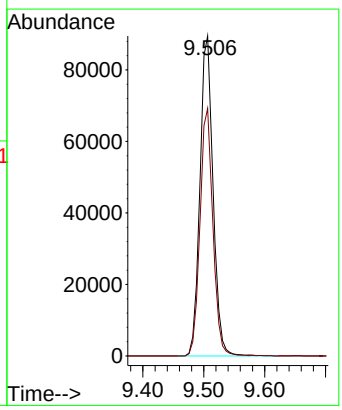


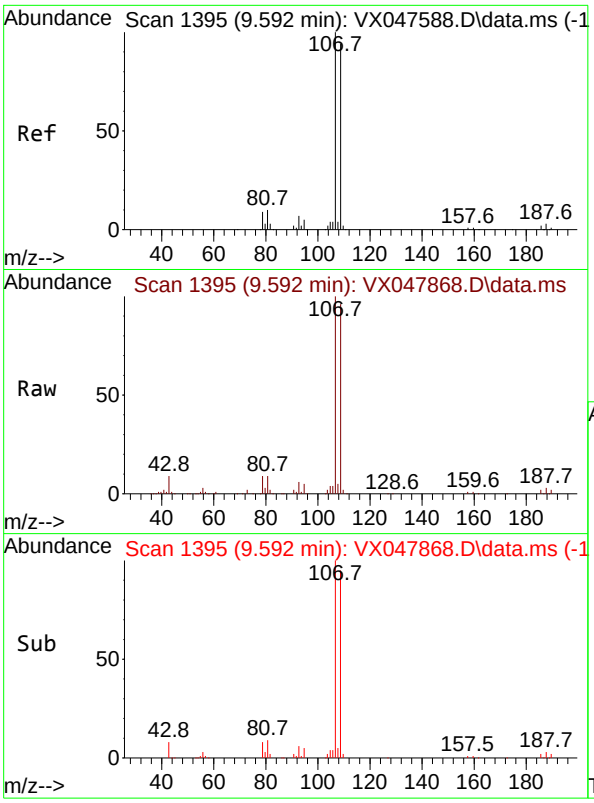


#60
Dibromochloromethane
Concen: 52.986 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:129 Resp: 133727

Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.4	115.2





#61
1,2-Dibromoethane
Concen: 52.412 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

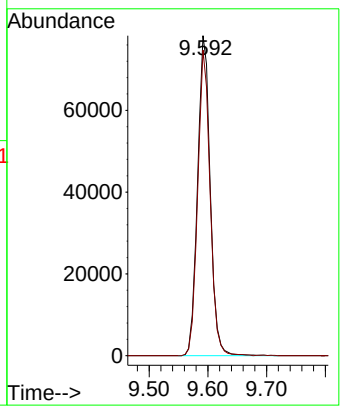
Tgt Ion:107 Resp: 11693

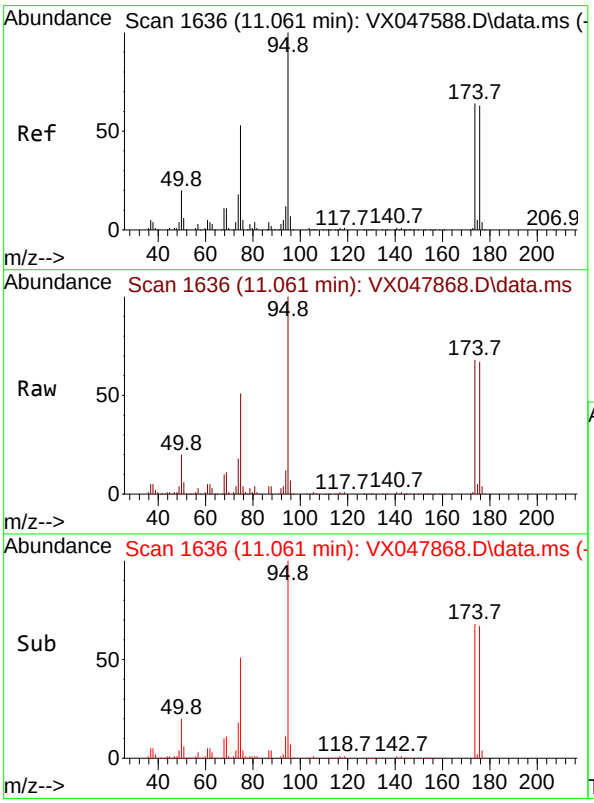
Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.3	112.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

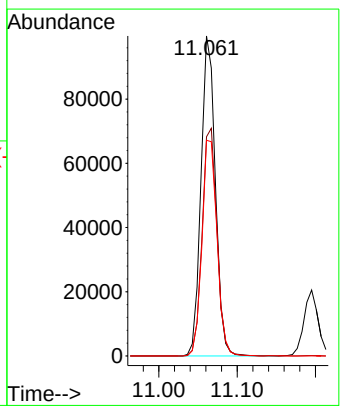


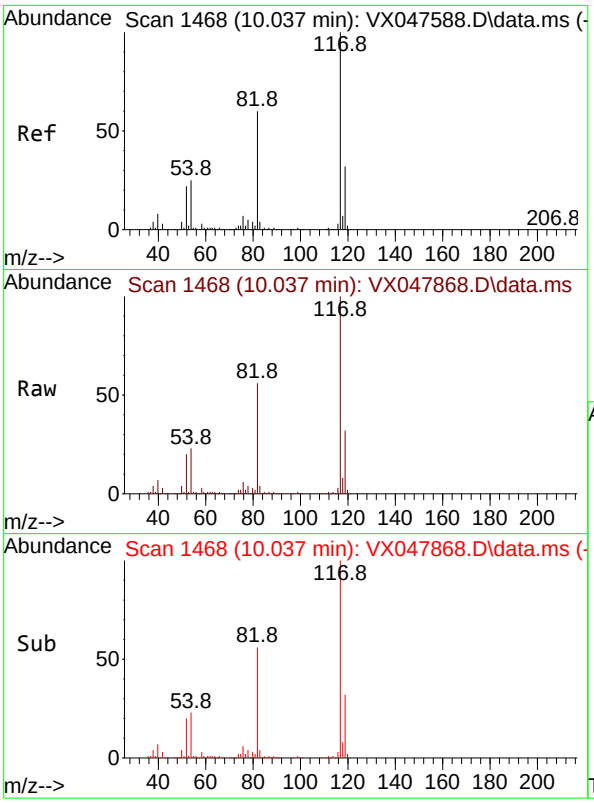


#62
4-Bromofluorobenzene
Concen: 46.534 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 95 Resp: 126953

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	141.6
176	70.6	0.0	138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

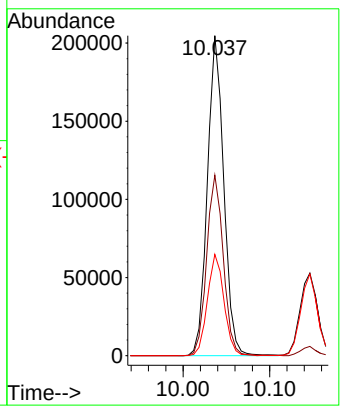
Tgt Ion:117 Resp: 26897

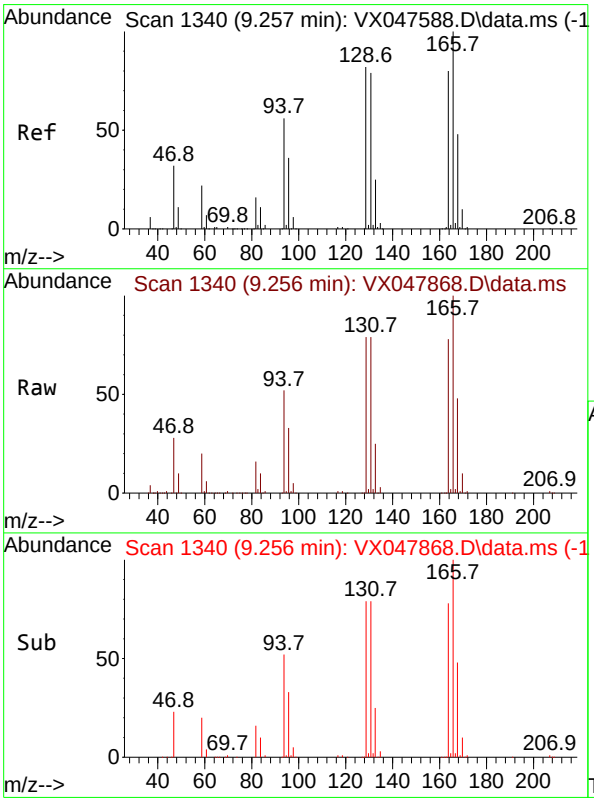
Ion	Ratio	Lower	Upper
117	100		
82	56.4	47.8	71.6
119	31.6	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

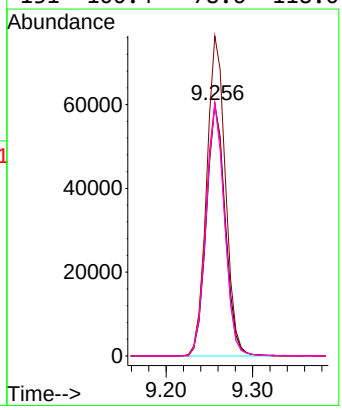


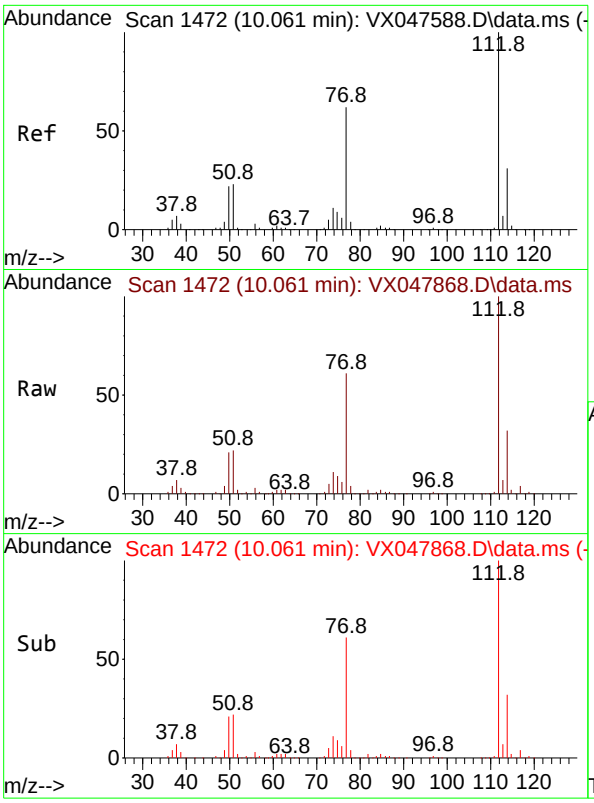


#64
Tetrachloroethene
Concen: 51.740 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:164 Resp: 90723

Ion	Ratio	Lower	Upper
164	100		
166	127.5	100.2	150.2
129	100.9	81.8	122.6
131	100.4	78.6	118.0

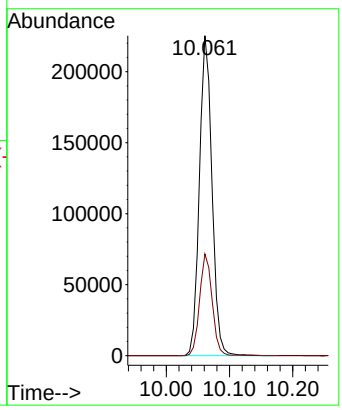




#65
Chlorobenzene
Concen: 51.045 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:112 Resp: 31191

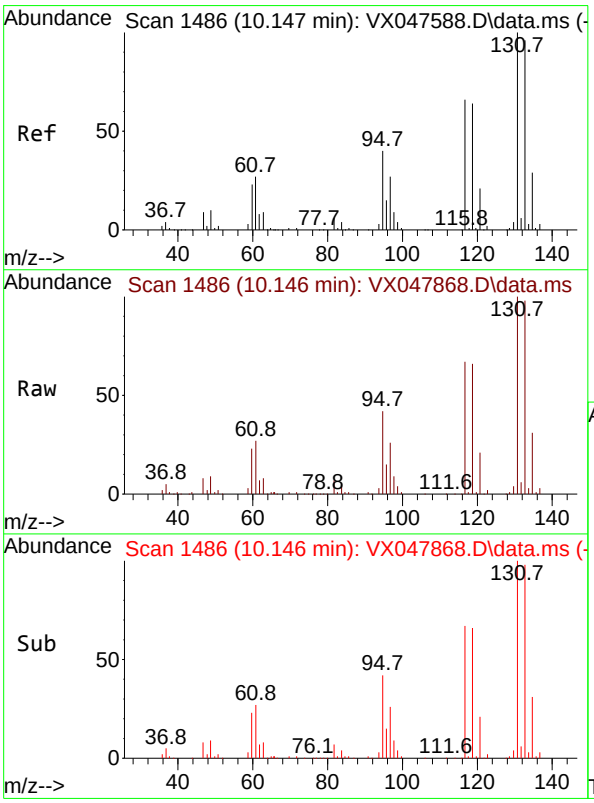
Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

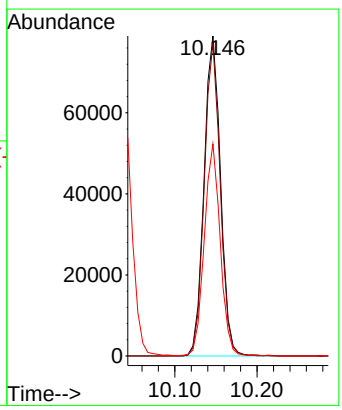
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

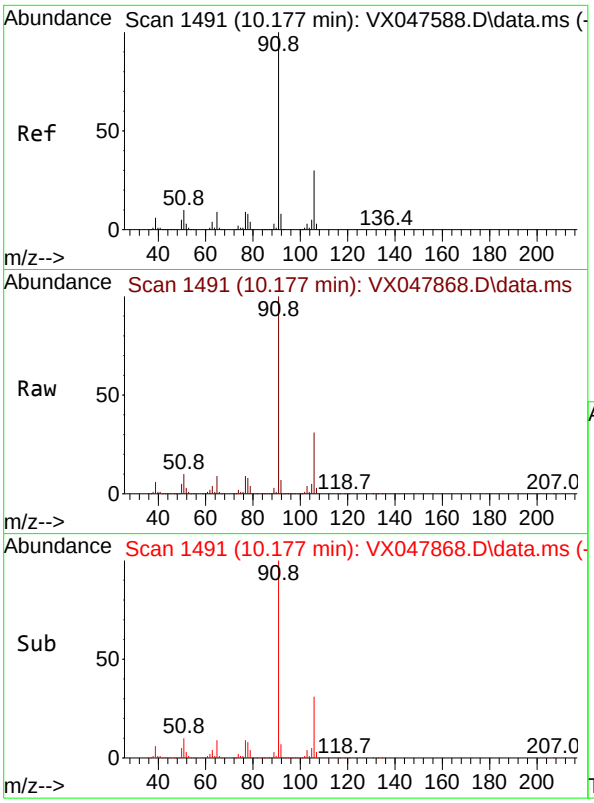


#66
1,1,1,2-Tetrachloroethane
Concen: 52.139 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:131 Resp: 109941

Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.3	142.0
119	64.2	32.0	96.0





#67
Ethyl Benzene
Concen: 51.394 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

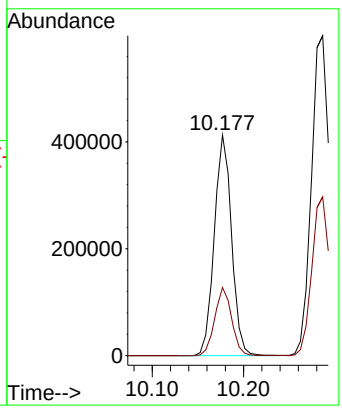
Tgt Ion: 91 Resp: 54186

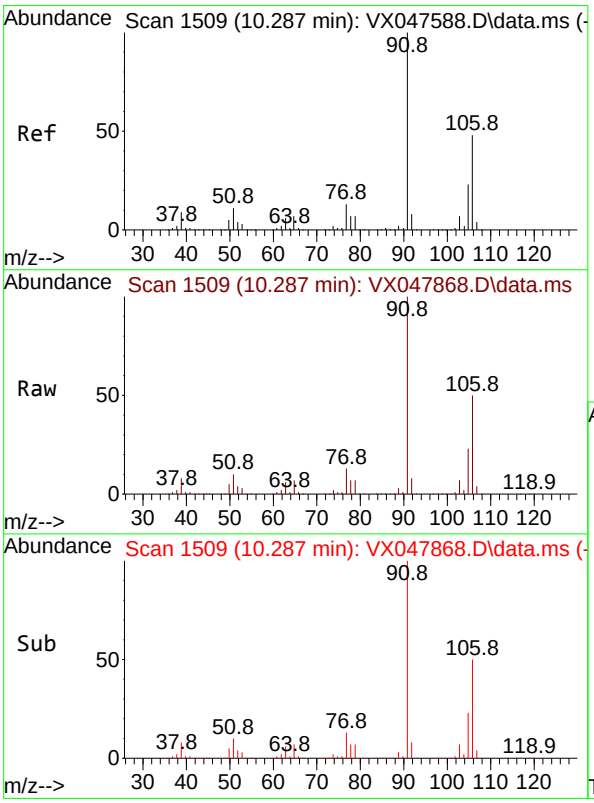
Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.3	36.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

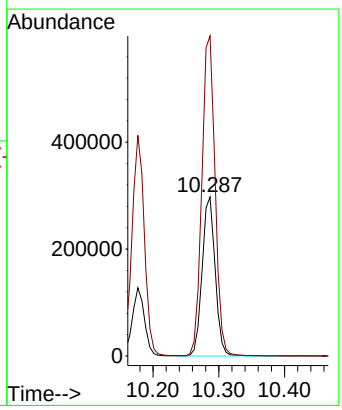


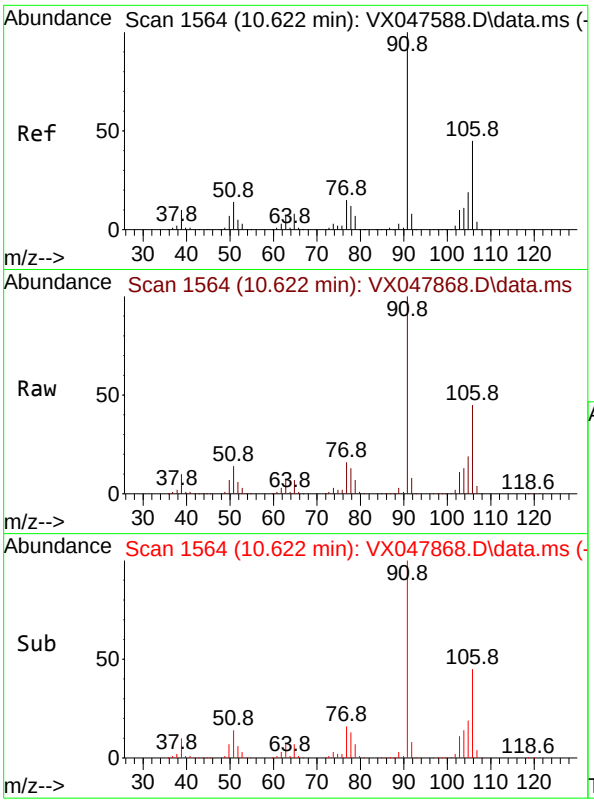


#68
m/p-Xylenes
Concen: 104.318 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:106 Resp: 409378

Ion	Ratio	Lower	Upper
106	100		
91	205.4	167.8	251.8





#69
o-Xylene
Concen: 50.691 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

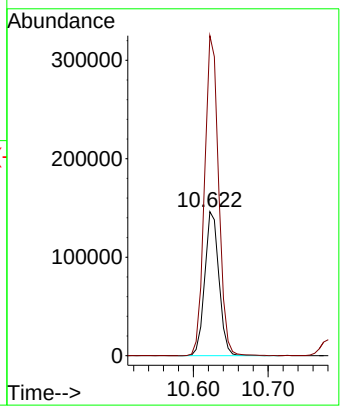
Tgt Ion:106 Resp: 19240

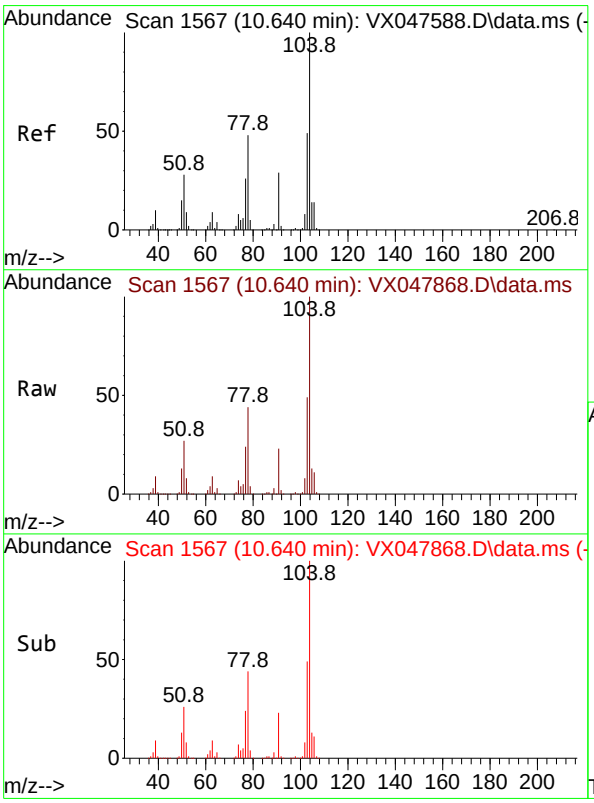
Ion	Ratio	Lower	Upper
106	100		
91	220.5	111.1	333.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

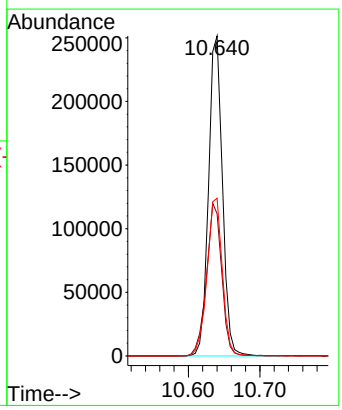


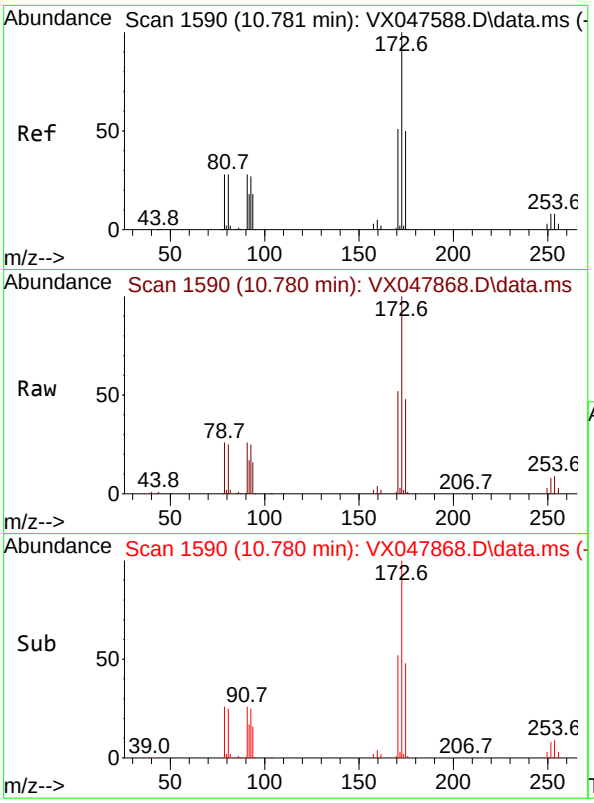


#70
Styrene
Concen: 51.017 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:104 Resp: 339311

Ion	Ratio	Lower	Upper
104	100		
78	52.4	43.1	64.7
103	54.3	43.1	64.7

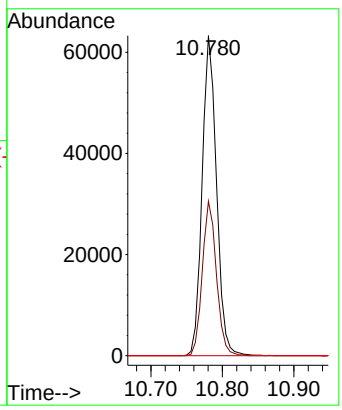




#71
Bromoform
Concen: 56.076 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:173 Resp: 8829

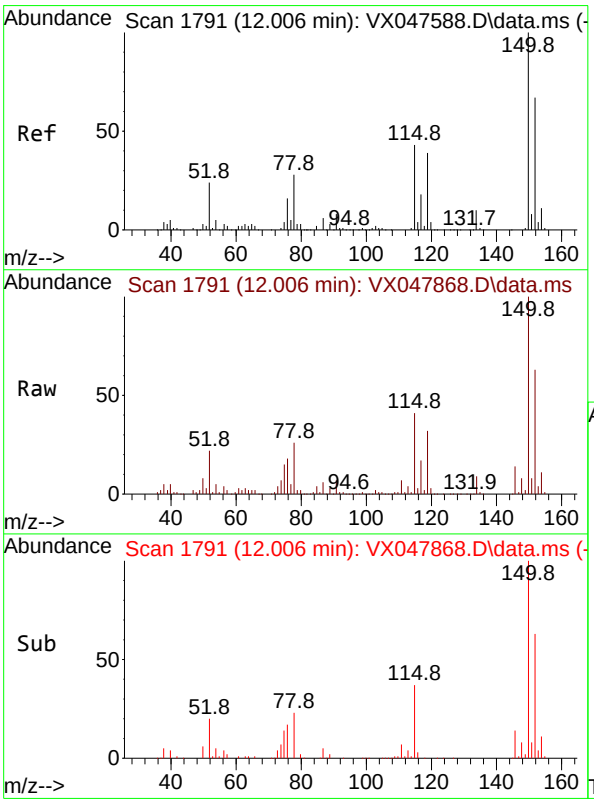
Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.9	74.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

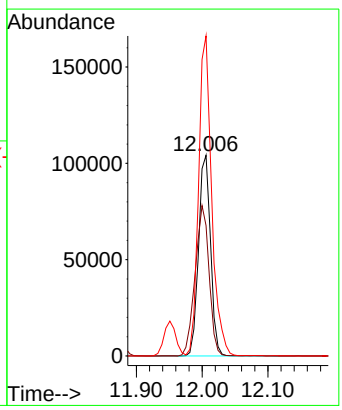
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

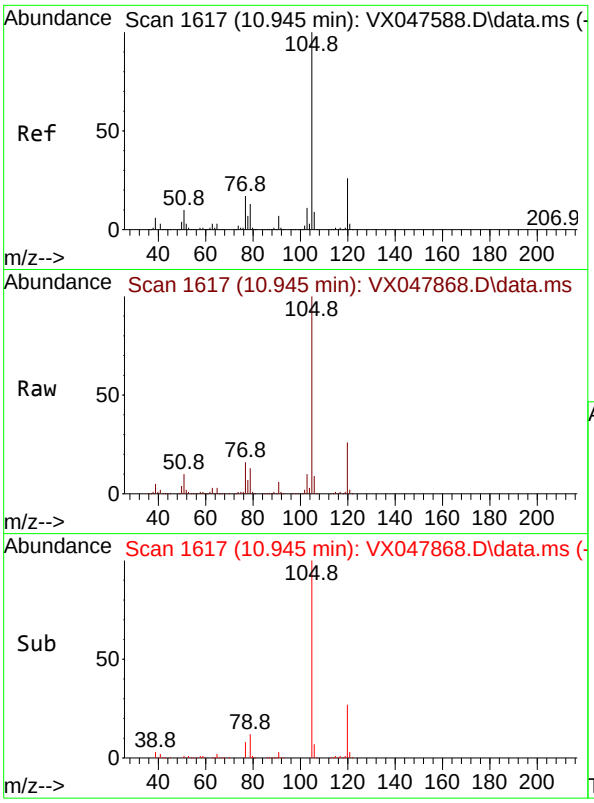


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:152 Resp: 131495

Ion	Ratio	Lower	Upper
152	100		
115	87.1	44.9	134.5
150	174.0	0.0	352.0





#73
Isopropylbenzene
Concen: 50.948 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

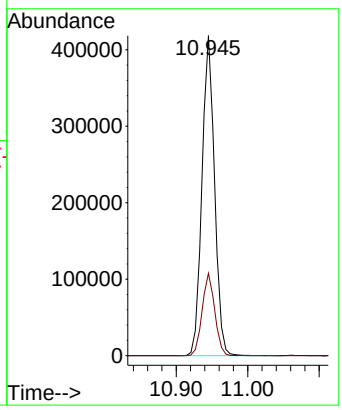
Tgt Ion:105 Resp: 50933

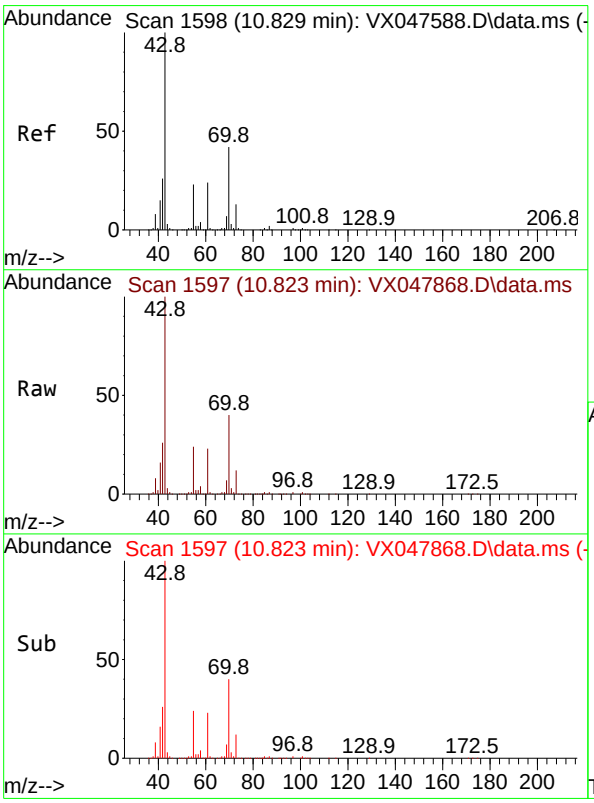
Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

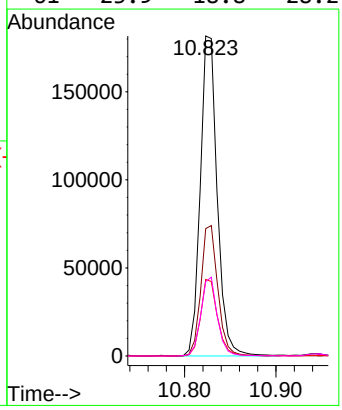


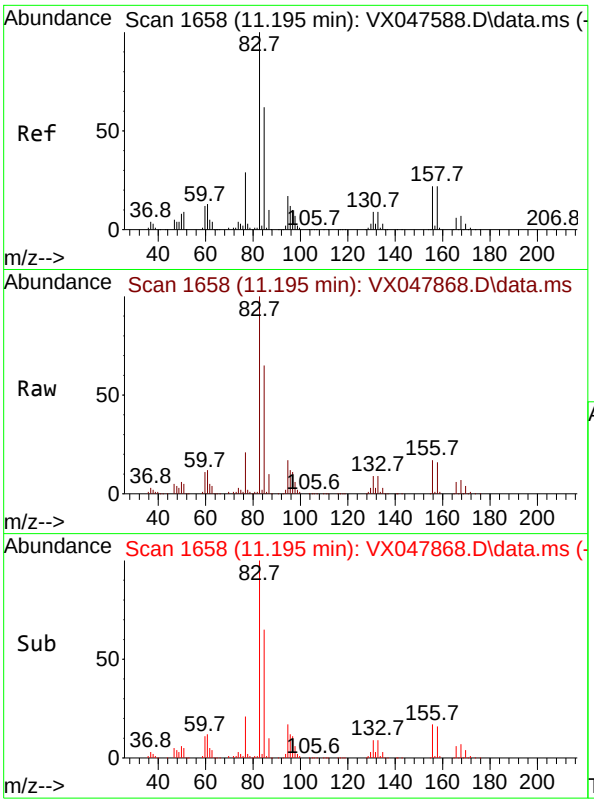


#74
N-amyl acetate
Concen: 51.268 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 43 Resp: 233722

Ion	Ratio	Lower	Upper
43	100		
70	40.6	32.0	48.0
55	24.0	18.9	28.3
61	23.9	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 53.575 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

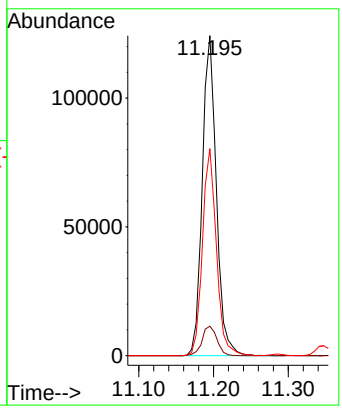
Tgt Ion: 83 Resp: 16204

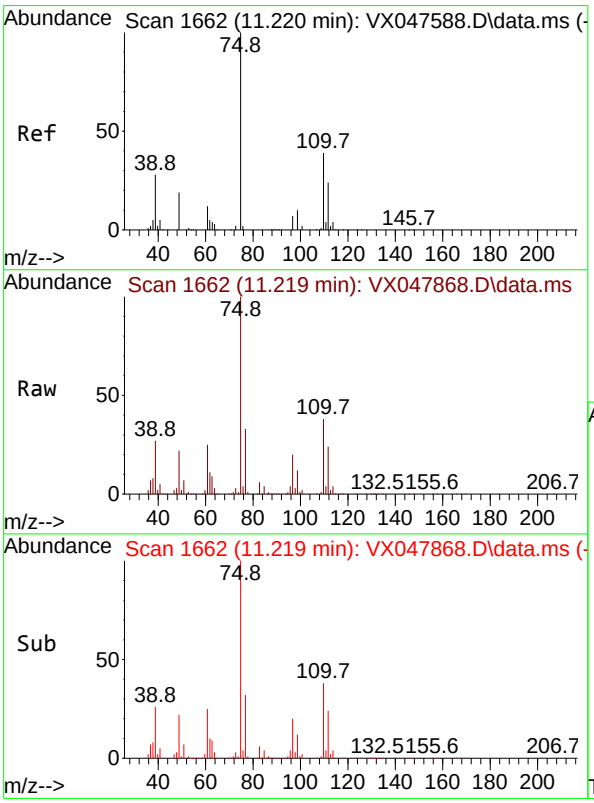
Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.0	14.9
85	64.3	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

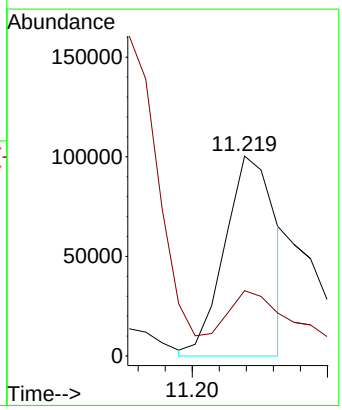


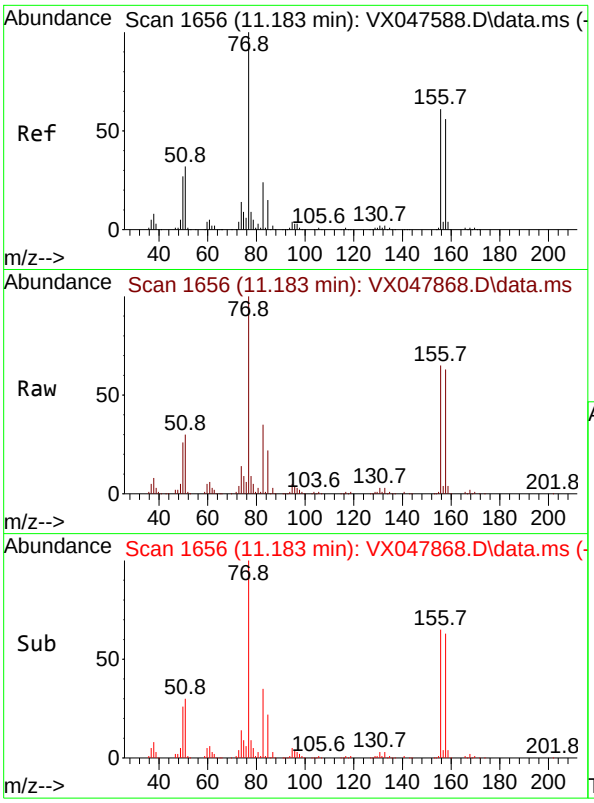


#76
1,2,3-Trichloropropane
Concen: 48.576 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 75 Resp: 129326

Ion	Ratio	Lower	Upper
75	100		
77	46.3	18.8	56.4

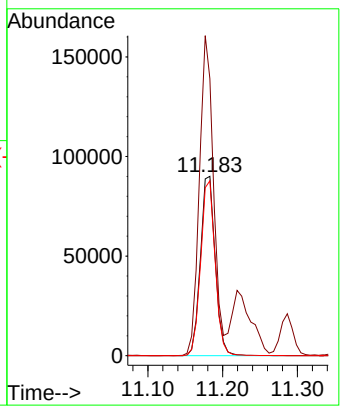




#77
Bromobenzene
Concen: 50.204 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:156 Resp: 12361

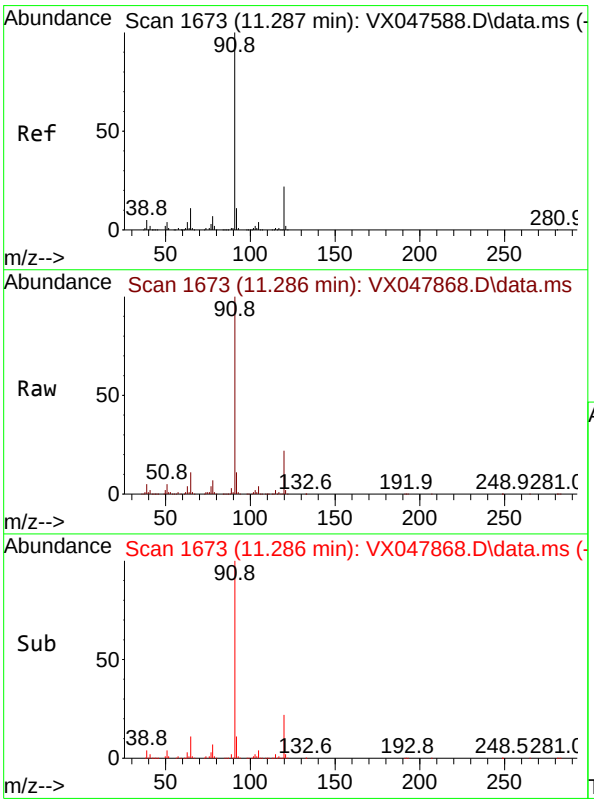
Ion	Ratio	Lower	Upper
156	100		
77	169.4	89.7	269.1
158	95.8	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

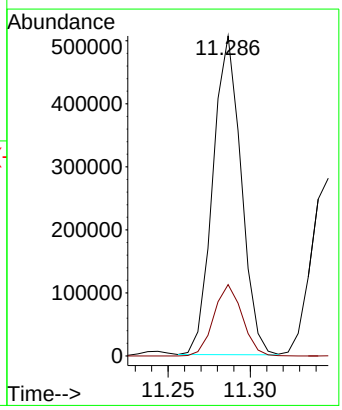
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

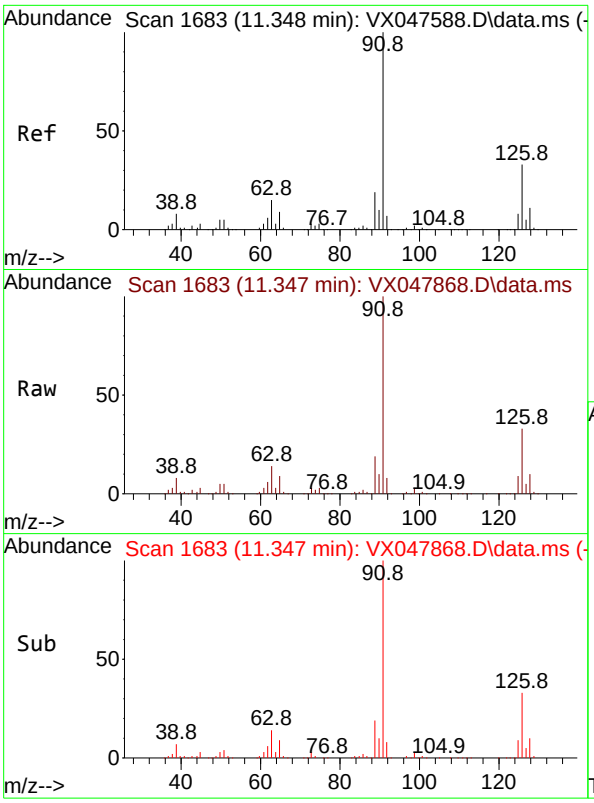


#78
n-propylbenzene
Concen: 51.147 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 91 Resp: 604446

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.1	33.1





#79
2-Chlorotoluene
Concen: 48.976 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

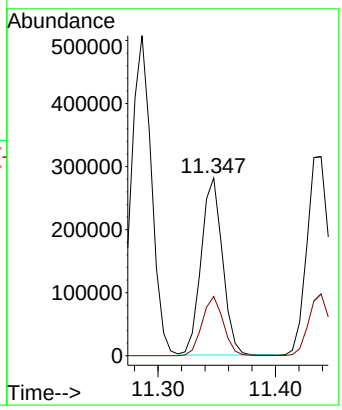
Tgt Ion: 91 Resp: 35449

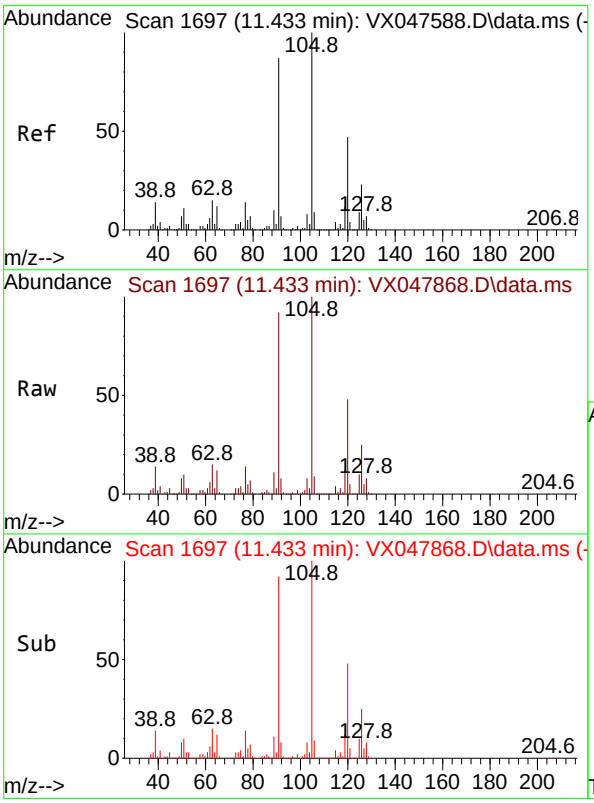
Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.1	48.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

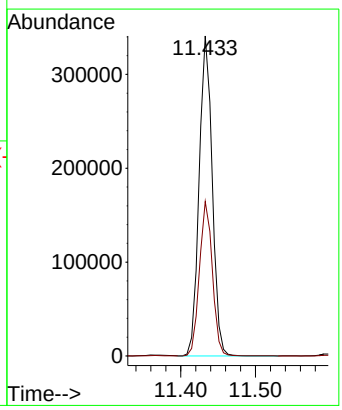


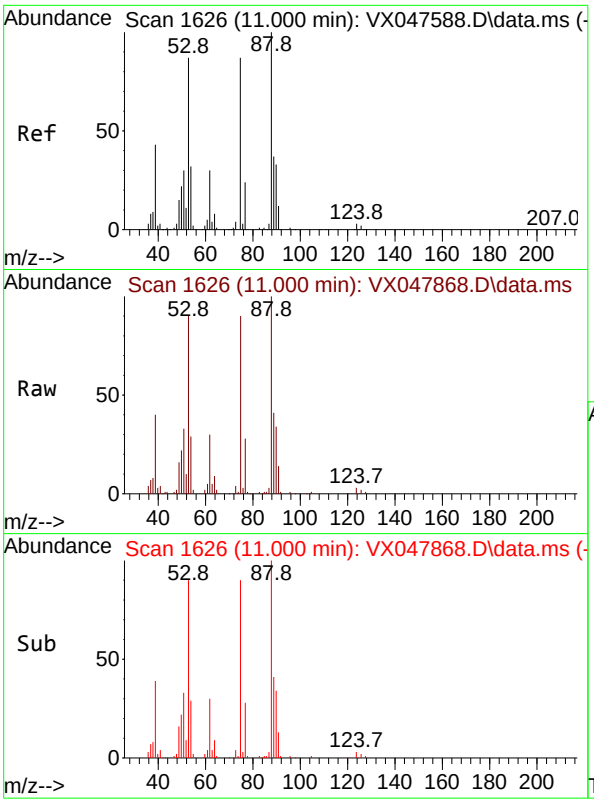


#80
1,3,5-Trimethylbenzene
Concen: 50.459 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:105 Resp: 414443

Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 50.645 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

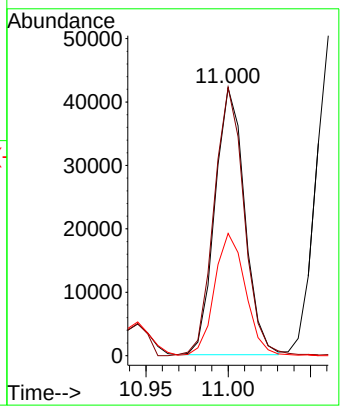
Tgt Ion: 75 Resp: 5287

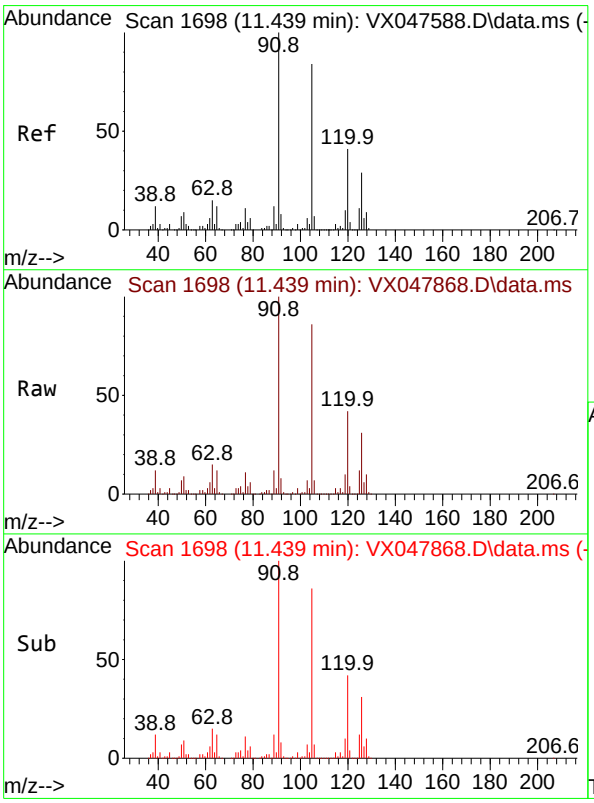
Ion	Ratio	Lower	Upper
75	100		
53	102.3	83.4	125.2
89	47.9	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

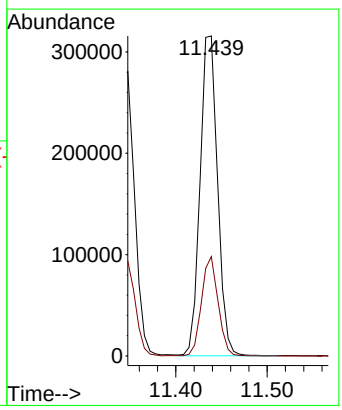


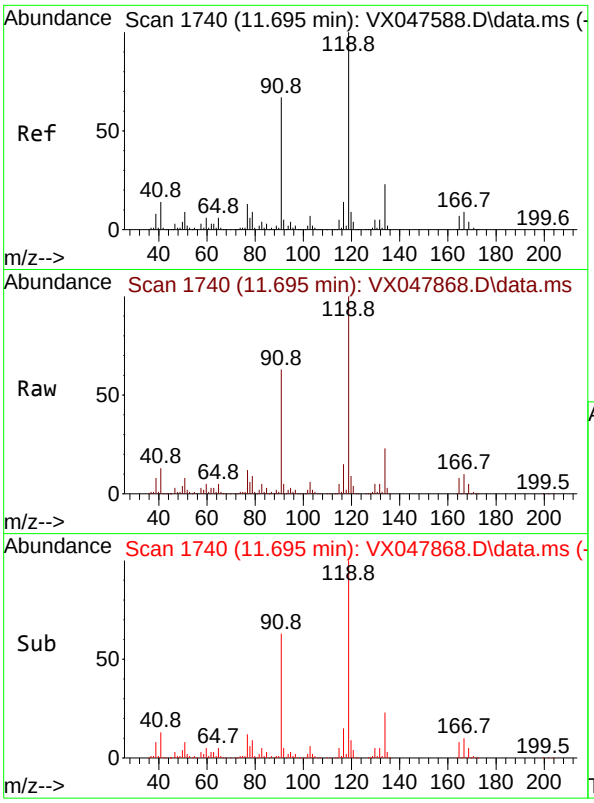


#82
4-Chlorotoluene
Concen: 49.019 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 91 Resp: 419046

Ion	Ratio	Lower	Upper
91	100		
126	29.4	14.2	42.6

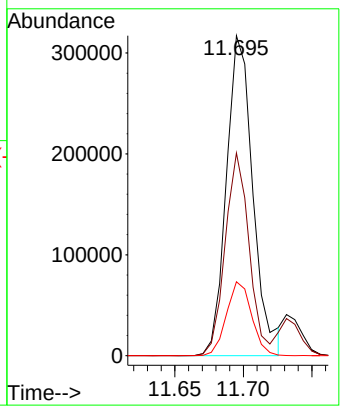




#83
tert-Butylbenzene
Concen: 50.816 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:119 Resp: 42725

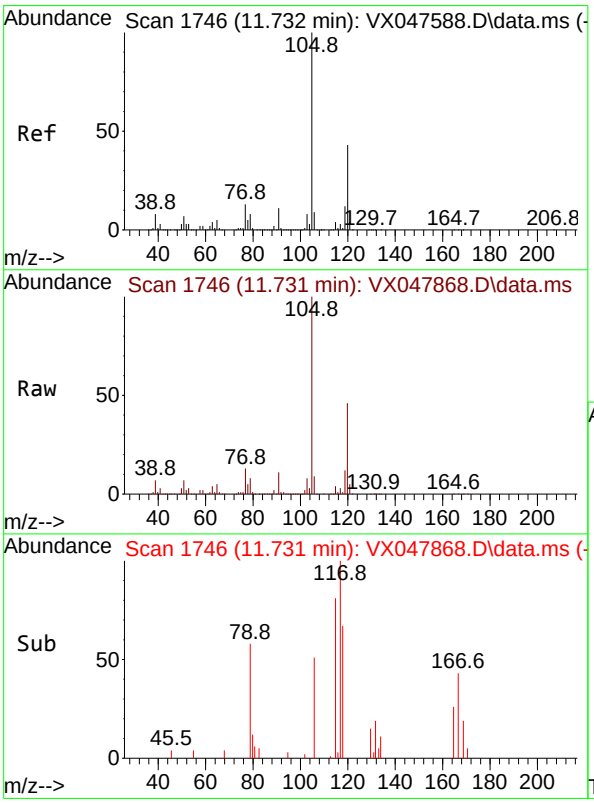
Ion	Ratio	Lower	Upper
119	100		
91	57.3	29.6	88.8
134	22.0	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

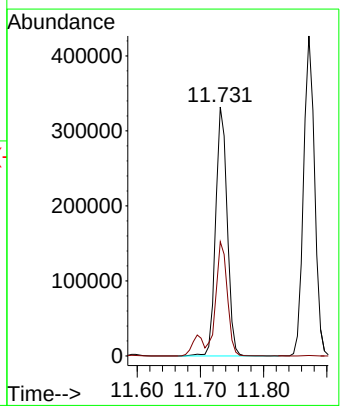
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

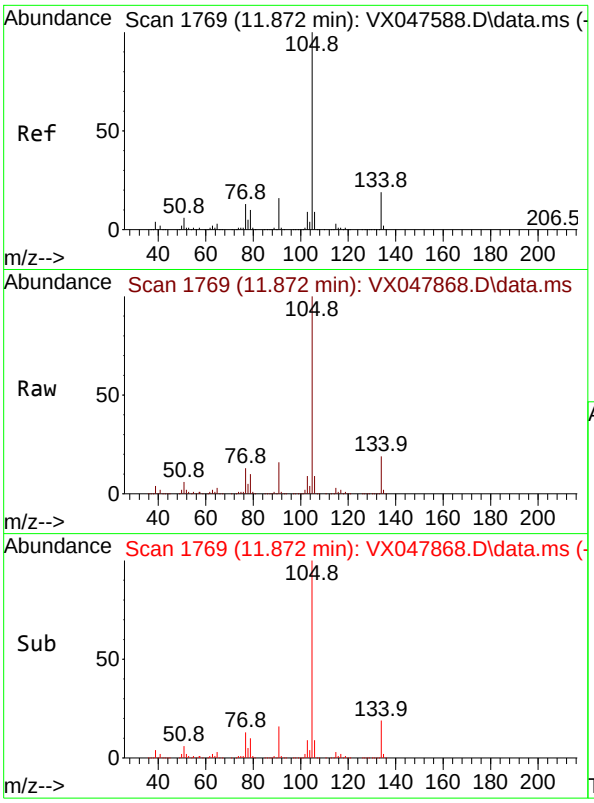


#84
1,2,4-Trimethylbenzene
Concen: 50.196 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:105 Resp: 417985

Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.1	66.1





#85
sec-Butylbenzene
Concen: 51.301 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

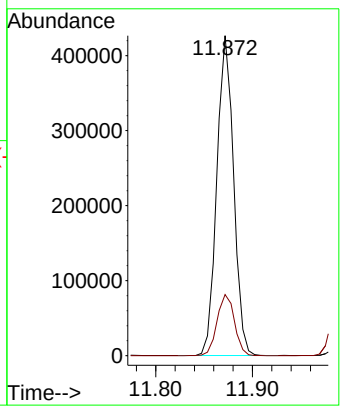
Tgt Ion:105 Resp: 51234

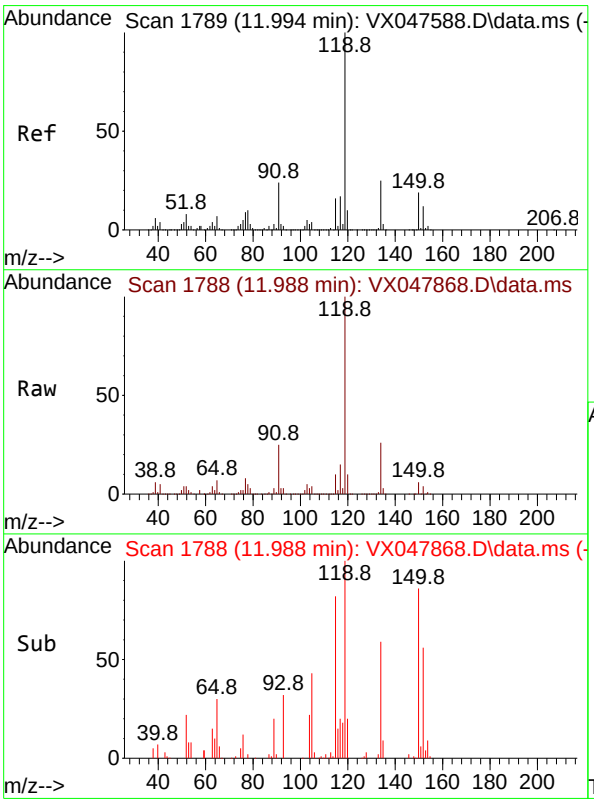
Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

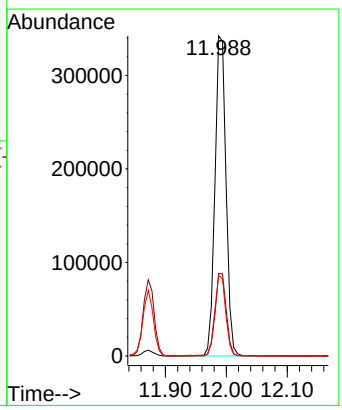


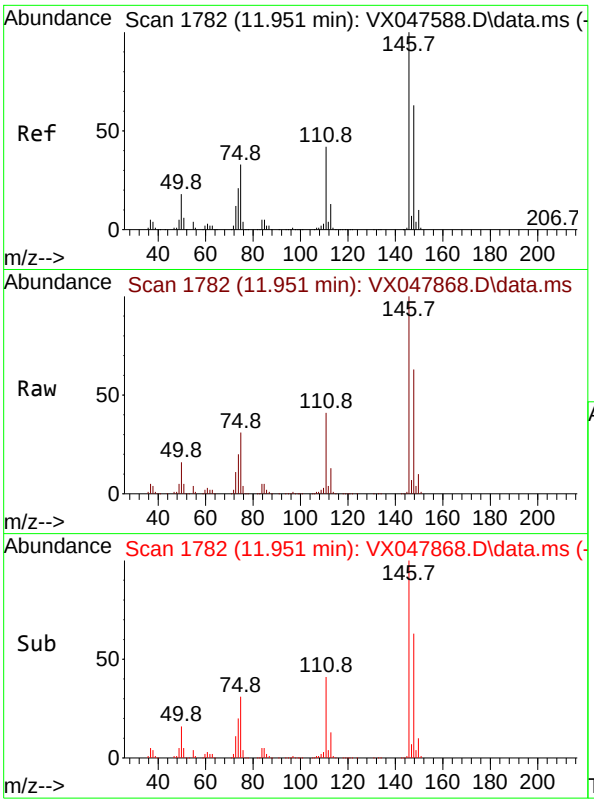


#86
p-Isopropyltoluene
Concen: 50.890 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:119 Resp: 430271

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	24.8	12.6	37.6





#87
1,3-Dichlorobenzene
Concen: 49.923 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

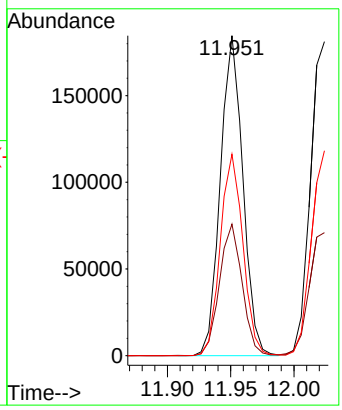
Tgt Ion:146 Resp: 22831

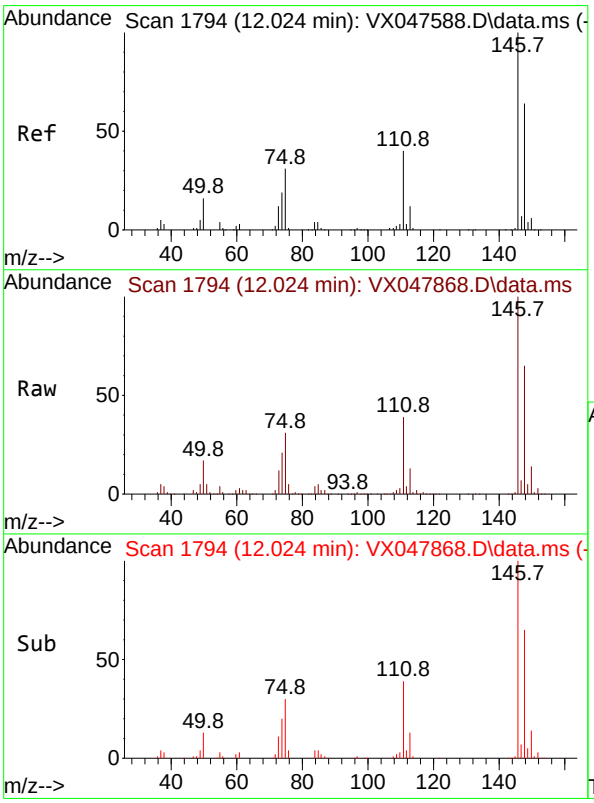
Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.5	64.5
148	63.3	32.0	96.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

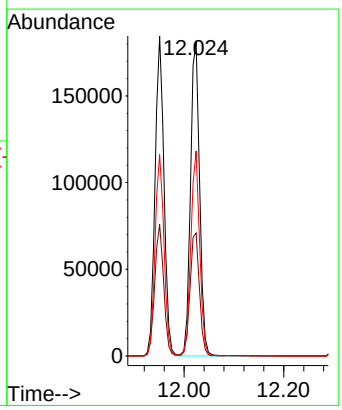


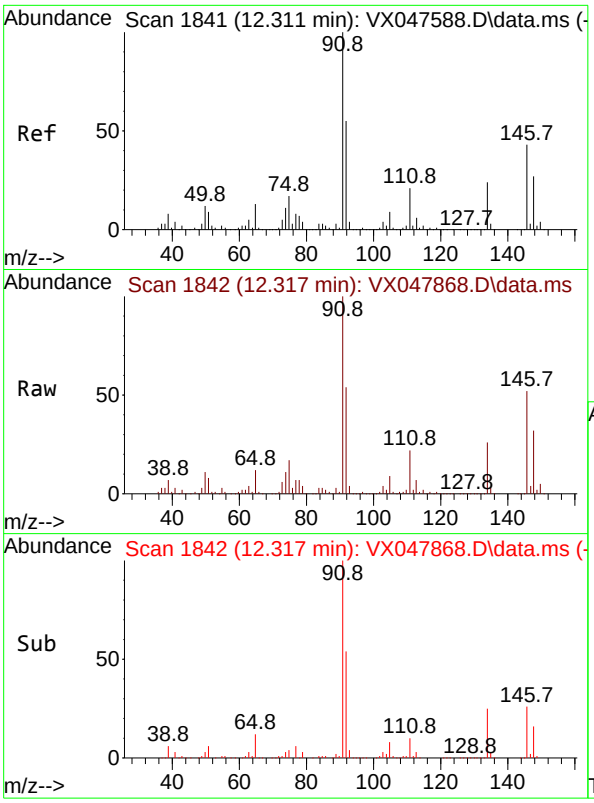


#88
1,4-Dichlorobenzene
Concen: 48.983 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:146 Resp: 229920

Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.8	62.4
148	62.9	31.7	95.1

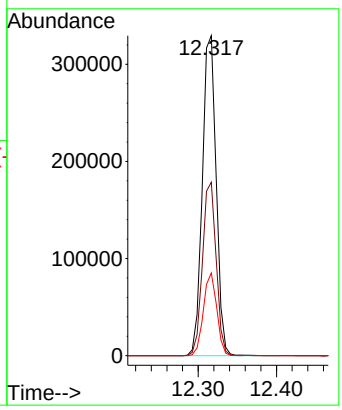




#89
n-Butylbenzene
Concen: 51.508 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 91 Resp: 40296

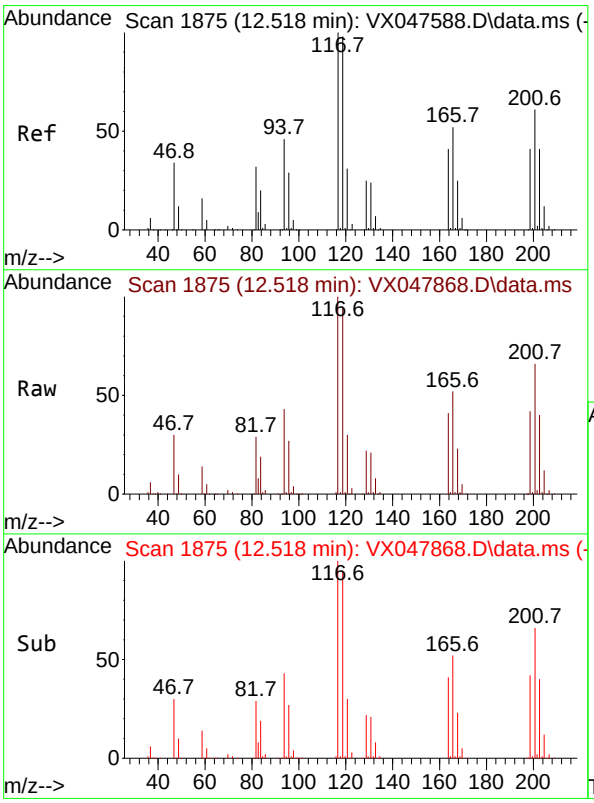
Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.6	82.7
134	24.9	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

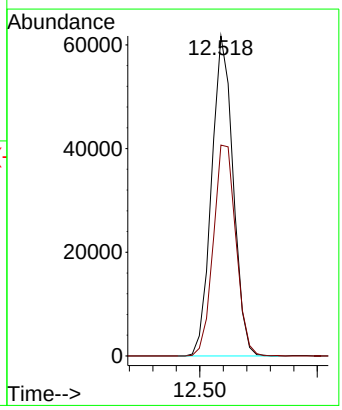
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

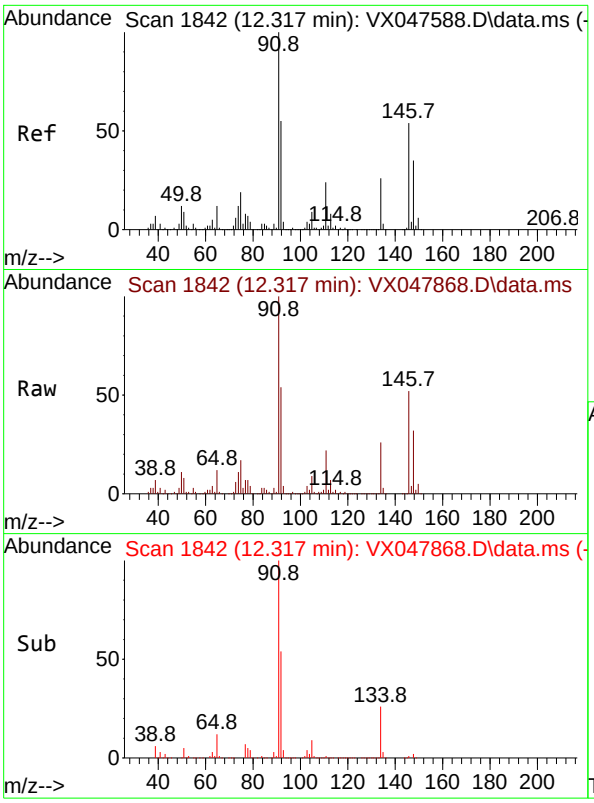


#90
Hexachloroethane
Concen: 52.897 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:117 Resp: 78523

Ion	Ratio	Lower	Upper
117	100		
201	69.2	34.2	102.5

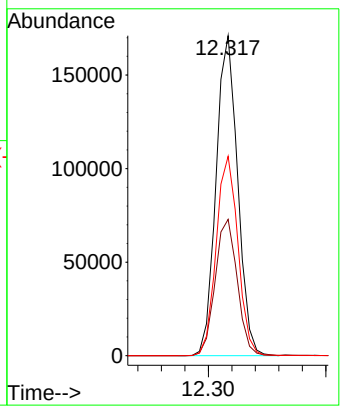




#91
1,2-Dichlorobenzene
Concen: 50.118 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:146 Resp: 21836

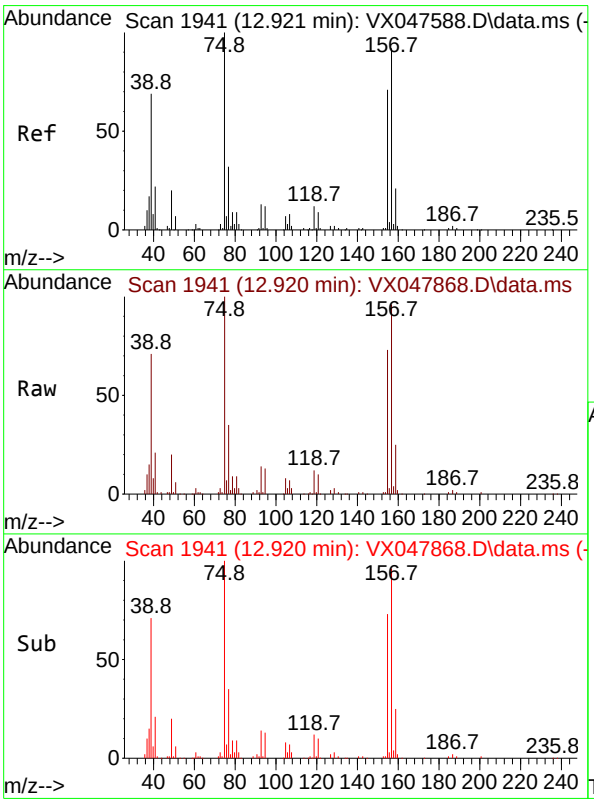
Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.2	66.6
148	62.9	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

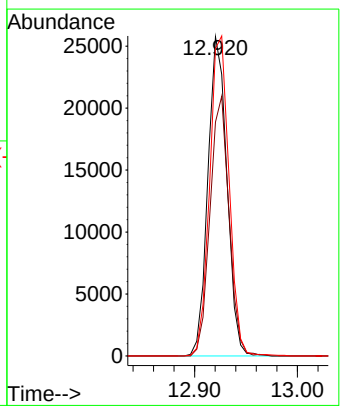
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

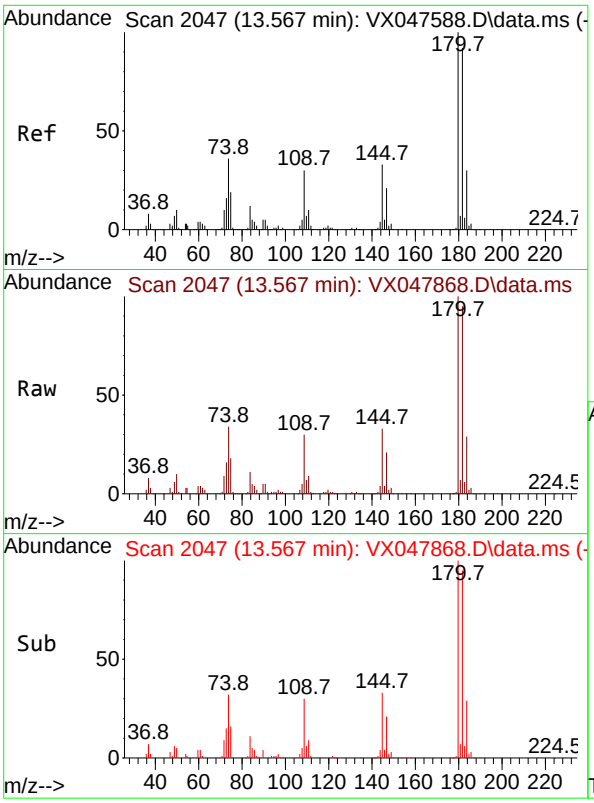


#92
1,2-Dibromo-3-Chloropropane
Concen: 54.261 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 75 Resp: 33228

Ion	Ratio	Lower	Upper
75	100		
155	81.2	37.7	113.1
157	102.3	49.8	149.4

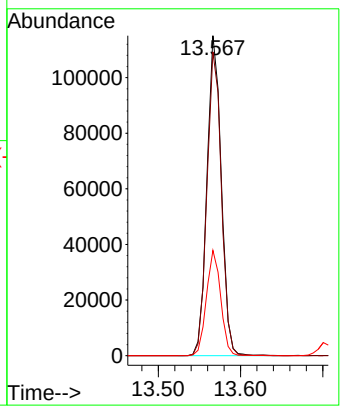




#93
1,2,4-Trichlorobenzene
Concen: 49.024 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:180 Resp: 13882

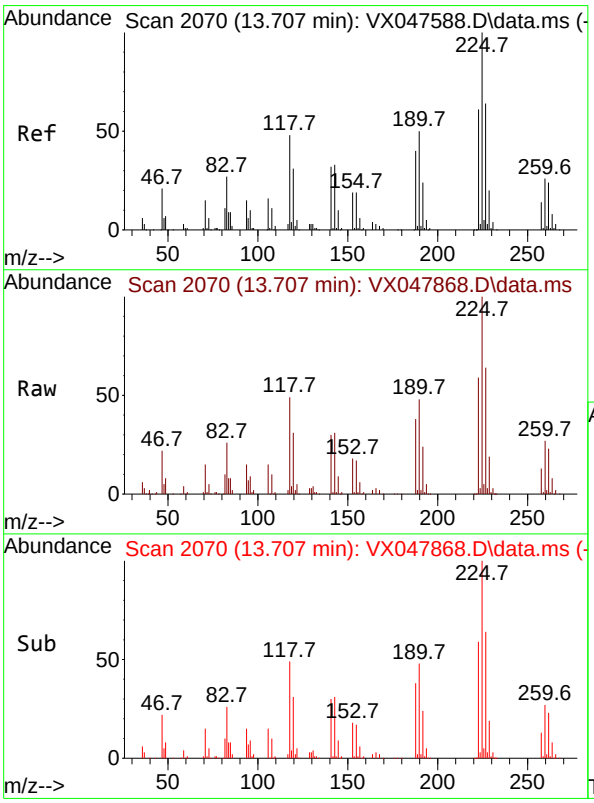
Ion	Ratio	Lower	Upper
180	100		
182	95.8	46.6	139.8
145	32.9	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

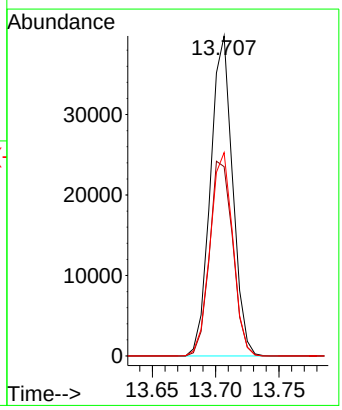
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

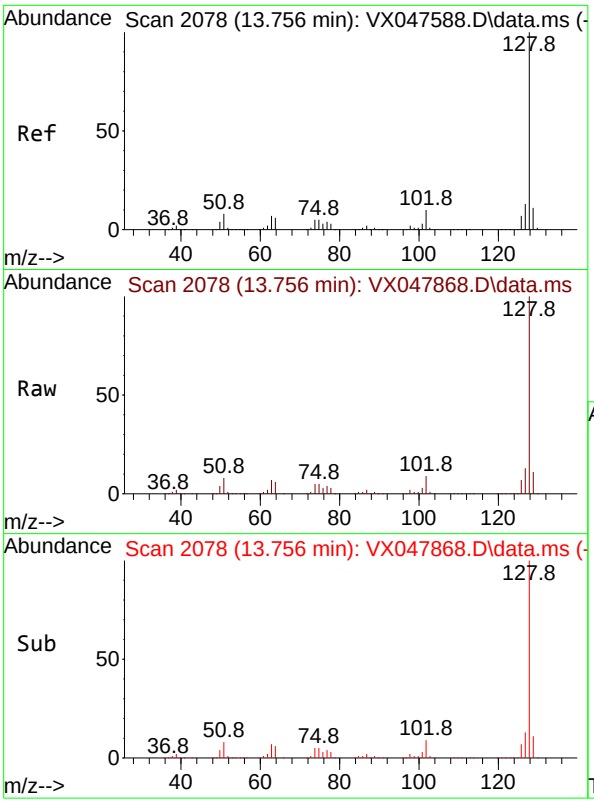


#94
Hexachlorobutadiene
Concen: 50.335 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:225 Resp: 48414

Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.7	95.1
227	65.1	32.0	96.0

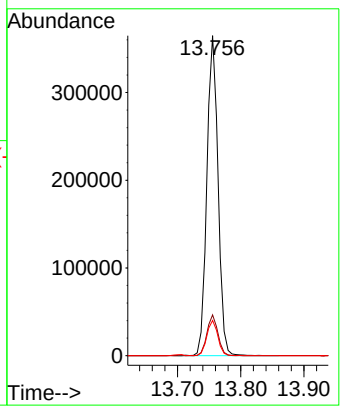




#95
Naphthalene
Concen: 51.950 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:128 Resp: 44795

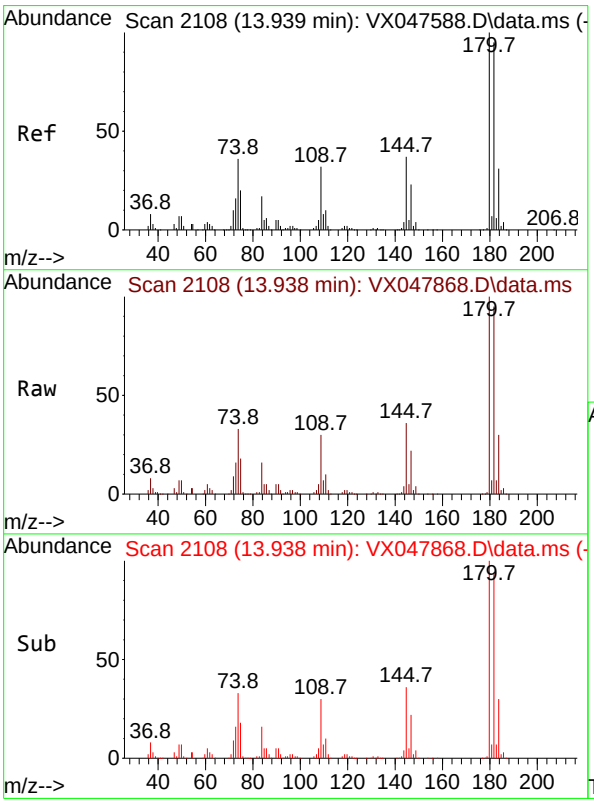
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	10.8	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

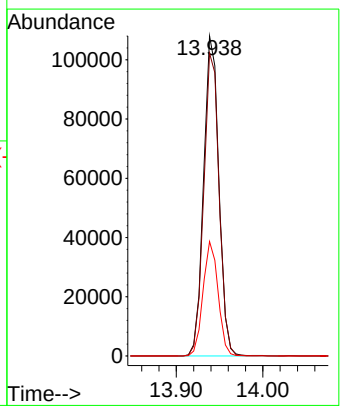
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 50.248 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:180 Resp: 132359

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.6	142.8
145	35.2	17.9	53.7



Evaluate Continuing Calibration Report

Sample Results: **VX047868.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047868.D
Acq On : 29 Sep 2025 08:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 30 01:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	107	-0.01
2	T	Dichlorodifluoromethane	0.518	0.628	-21.2	134	0.00
3	P	Chloromethane	0.680	0.675	0.7	109	0.00
4	C	Vinyl Chloride	0.666	0.730	-9.6#	118	0.00
5	T	Bromomethane	0.422	0.465	-10.2	117	0.00
6	T	Chloroethane	0.445	0.457	-2.7	111	0.00
7	T	Trichlorofluoromethane	0.989	1.072	-8.4	115	0.00
8	T	Diethyl Ether	0.405	0.403	0.5	106	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.578	0.644	-11.4	118	0.00
10	T	Methyl Iodide	0.902	0.740	18.0	87	0.00
11	T	Tert butyl alcohol	0.089	0.094	-5.6	113	0.00
12	CM	1,1-Dichloroethene	0.594	0.627	-5.6#	111	0.00
13	T	Acrolein	0.082	0.085	-3.7	112	0.00
14	T	Allyl chloride	1.226	1.178	3.9	104	0.00
15	T	Acrylonitrile	0.328	0.364	-11.0	113	0.00
16	T	Acetone	0.346	0.389	-12.4	131	0.00
17	T	Carbon Disulfide	1.626	1.666	-2.5	114	0.00
18	T	Methyl Acetate	0.770	0.879	-14.2	108	0.00
19	T	Methyl tert-butyl Ether	2.169	2.111	2.7	101	0.00
20	T	Methylene Chloride	0.732	0.706	3.6	104	0.00
21	T	trans-1,2-Dichloroethene	0.640	0.655	-2.3	108	0.00
22	T	Diisopropyl ether	2.376	2.287	3.7	99	-0.01
23	T	Vinyl Acetate	1.901	1.898	0.2	102	0.00
24	P	1,1-Dichloroethane	1.263	1.245	1.4	103	0.00
25	T	2-Butanone	0.432	0.483	-11.8	118	0.00
26	T	2,2-Dichloropropane	1.050	1.020	2.9	102	0.00
27	T	cis-1,2-Dichloroethene	0.783	0.764	2.4	101	-0.01
28	T	Bromochloromethane	0.551	0.504	8.5	94	-0.01
29	T	Tetrahydrofuran	0.260	0.285	-9.6	111	0.00
30	C	Chloroform	1.276	1.243	2.6#	101	0.00
31	T	Cyclohexane	1.052	0.994	5.5	103	0.00
32	T	1,1,1-Trichloroethane	1.082	1.078	0.4	103	0.00
33	S	1,2-Dichloroethane-d4	0.796	0.699	12.2	97	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	101	0.00
35	S	Dibromofluoromethane	0.335	0.329	1.8	100	0.00
36	T	1,1-Dichloropropene	0.490	0.489	0.2	101	-0.01
37	T	Ethyl Acetate	0.525	0.561	-6.9	106	0.00
38	T	Carbon Tetrachloride	0.532	0.560	-5.3	105	-0.01
39	T	Methylcyclohexane	0.556	0.581	-4.5	104	0.00
40	TM	Benzene	1.488	1.515	-1.8	100	0.00
41	T	Methacrylonitrile	0.271	0.300	-10.7	106	0.00
42	TM	1,2-Dichloroethane	0.566	0.546	3.5	94	0.00
43	T	Isopropyl Acetate	0.860	0.891	-3.6	100	0.00
44	TM	Trichloroethene	0.360	0.377	-4.7	103	0.00
45	C	1,2-Dichloropropane	0.381	0.393	-3.1#	100	0.00
46	T	Dibromomethane	0.277	0.280	-1.1	98	0.00
47	T	Bromodichloromethane	0.572	0.588	-2.8	98	0.00
48	T	Methyl methacrylate	0.429	0.446	-4.0	100	0.00

Sample Results: **VX047868.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047868.D
Acq On : 29 Sep 2025 08:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 30 01:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	0.004	0.006	-50.0#	122	0.00
50	S	Toluene-d8	1.160	1.119	3.5	98	0.00
51	T	4-Methyl-2-Pentanone	0.477	0.537	-12.6	106	0.00
52	CM	Toluene	0.917	0.921	-0.4#	99	0.00
53	T	t-1,3-Dichloropropene	0.584	0.574	1.7	94	0.00
54	T	cis-1,3-Dichloropropene	0.624	0.621	0.5	96	0.00
55	T	1,1,2-Trichloroethane	0.354	0.360	-1.7	99	0.00
56	T	Ethyl methacrylate	0.555	0.582	-4.9	98	0.00
57	T	1,3-Dichloropropane	0.607	0.616	-1.5	97	0.00
58	T	2-Chloroethyl Vinyl ether	0.227	0.309	-36.1#	114	0.00
59	T	2-Hexanone	0.343	0.390	-13.7	109	0.00
60	T	Dibromochloromethane	0.407	0.432	-6.1	100	0.00
61	T	1,2-Dibromoethane	0.360	0.377	-4.7	100	0.00
62	S	4-Bromofluorobenzene	0.440	0.410	6.8	97	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
64	T	Tetrachloroethene	0.326	0.337	-3.4	103	0.00
65	PM	Chlorobenzene	1.136	1.160	-2.1	98	0.00
66	T	1,1,1,2-Tetrachloroethane	0.392	0.409	-4.3	98	0.00
67	C	Ethyl Benzene	1.960	2.015	-2.8#	98	0.00
68	T	m/p-Xylenes	0.729	0.761	-4.4	99	0.00
69	T	o-Xylene	0.706	0.715	-1.3	95	0.00
70	T	Styrene	1.236	1.261	-2.0	97	0.00
71	P	Bromoform	0.293	0.328	-11.9	105	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73	T	Isopropylbenzene	3.801	3.873	-1.9	99	0.00
74	T	N-amyl acetate	1.733	1.777	-2.5	98	0.00
75	P	1,1,2,2-Tetrachloroethane	1.150	1.232	-7.1	104	0.00
76	T	1,2,3-Trichloropropane	1.012	0.984	2.8	90	0.00
77	T	Bromobenzene	0.936	0.940	-0.4	98	0.00
78	T	n-propylbenzene	4.494	4.597	-2.3	99	0.00
79	T	2-Chlorotoluene	2.752	2.696	2.0	95	0.00
80	T	1,3,5-Trimethylbenzene	3.123	3.152	-0.9	97	0.00
81	T	trans-1,4-Dichloro-2-butene	0.397	0.402	-1.3	100	0.00
82	T	4-Chlorotoluene	3.251	3.187	2.0	96	0.00
83	T	tert-Butylbenzene	3.197	3.249	-1.6	100	0.00
84	T	1,2,4-Trimethylbenzene	3.166	3.179	-0.4	98	0.00
85	T	sec-Butylbenzene	3.797	3.896	-2.6	100	0.00
86	T	p-Isopropyltoluene	3.215	3.272	-1.8	99	0.00
87	T	1,3-Dichlorobenzene	1.739	1.736	0.2	98	0.00
88	T	1,4-Dichlorobenzene	1.785	1.749	2.0	98	0.00
89	T	n-Butylbenzene	2.975	3.065	-3.0	100	0.00
90	T	Hexachloroethane	0.564	0.597	-5.9	104	0.00
91	T	1,2-Dichlorobenzene	1.657	1.661	-0.2	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.233	0.253	-8.6	102	0.00
93	T	1,2,4-Trichlorobenzene	1.077	1.056	1.9	94	0.00
94	T	Hexachlorobutadiene	0.366	0.368	-0.5	99	0.00
95	T	Naphthalene	3.279	3.407	-3.9	99	0.00

Sample Results: **VX047868.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047868.D
Acq On : 29 Sep 2025 08:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 30 01:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1.002	1.007	-0.5	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX047868.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047868.D
Acq On : 29 Sep 2025 08:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 30 01:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	107	-0.01
2	T	Dichlorodifluoromethane	50.000	60.629	-21.3	134	0.00
3	P	Chloromethane	50.000	49.585	0.8	109	0.00
4	C	Vinyl Chloride	50.000	54.766	-9.5#	118	0.00
5	T	Bromomethane	50.000	55.030	-10.1	117	0.00
6	T	Chloroethane	50.000	51.320	-2.6	111	0.00
7	T	Trichlorofluoromethane	50.000	54.179	-8.4	115	0.00
8	T	Diethyl Ether	50.000	49.855	0.3	106	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	55.668	-11.3	118	0.00
10	T	Methyl Iodide	50.000	41.036	17.9	87	0.00
11	T	Tert butyl alcohol	250.000	265.618	-6.2	113	0.00
12	CM	1,1-Dichloroethene	50.000	52.744	-5.5#	111	0.00
13	T	Acrolein	250.000	260.231	-4.1	112	0.00
14	T	Allyl chloride	50.000	48.043	3.9	104	0.00
15	T	Acrylonitrile	250.000	277.492	-11.0	113	0.00
16	T	Acetone	250.000	280.697	-12.3	131	0.00
17	T	Carbon Disulfide	50.000	51.215	-2.4	114	0.00
18	T	Methyl Acetate	50.000	57.086	-14.2	108	0.00
19	T	Methyl tert-butyl Ether	50.000	48.669	2.7	101	0.00
20	T	Methylene Chloride	50.000	48.208	3.6	104	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.238	-2.5	108	0.00
22	T	Diisopropyl ether	50.000	48.128	3.7	99	-0.01
23	T	Vinyl Acetate	250.000	249.599	0.2	102	0.00
24	P	1,1-Dichloroethane	50.000	49.280	1.4	103	0.00
25	T	2-Butanone	250.000	279.567	-11.8	118	0.00
26	T	2,2-Dichloropropane	50.000	48.604	2.8	102	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.794	2.4	101	-0.01
28	T	Bromochloromethane	50.000	45.720	8.6	94	-0.01
29	T	Tetrahydrofuran	250.000	274.385	-9.8	111	0.00
30	C	Chloroform	50.000	48.711	2.6#	101	0.00
31	T	Cyclohexane	50.000	47.235	5.5	103	0.00
32	T	1,1,1-Trichloroethane	50.000	49.790	0.4	103	0.00
33	S	1,2-Dichloroethane-d4	50.000	43.924	12.2	97	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	101	0.00
35	S	Dibromofluoromethane	50.000	49.019	2.0	100	0.00
36	T	1,1-Dichloropropene	50.000	49.930	0.1	101	-0.01
37	T	Ethyl Acetate	50.000	53.454	-6.9	106	0.00
38	T	Carbon Tetrachloride	50.000	52.552	-5.1	105	-0.01
39	T	Methylcyclohexane	50.000	52.190	-4.4	104	0.00
40	TM	Benzene	50.000	50.913	-1.8	100	0.00
41	T	Methacrylonitrile	50.000	55.306	-10.6	106	0.00
42	TM	1,2-Dichloroethane	50.000	48.208	3.6	94	0.00
43	T	Isopropyl Acetate	50.000	51.772	-3.5	100	0.00
44	TM	Trichloroethene	50.000	52.365	-4.7	103	0.00
45	C	1,2-Dichloropropane	50.000	51.610	-3.2#	100	0.00
46	T	Dibromomethane	50.000	50.480	-1.0	98	0.00
47	T	Bromodichloromethane	50.000	51.370	-2.7	98	0.00
48	T	Methyl methacrylate	50.000	52.008	-4.0	100	0.00

Sample Results: **VX047868.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047868.D
Acq On : 29 Sep 2025 08:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 30 01:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1343.657	-34.4#	122	0.00
50	S	Toluene-d8	50.000	48.212	3.6	98	0.00
51	T	4-Methyl-2-Pentanone	250.000	281.303	-12.5	106	0.00
52	CM	Toluene	50.000	50.235	-0.5#	99	0.00
53	T	t-1,3-Dichloropropene	50.000	49.211	1.6	94	0.00
54	T	cis-1,3-Dichloropropene	50.000	49.755	0.5	96	0.00
55	T	1,1,2-Trichloroethane	50.000	50.959	-1.9	99	0.00
56	T	Ethyl methacrylate	50.000	52.421	-4.8	98	0.00
57	T	1,3-Dichloropropane	50.000	50.725	-1.5	97	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	288.479	-15.4	114	0.00
59	T	2-Hexanone	250.000	284.417	-13.8	109	0.00
60	T	Dibromochloromethane	50.000	52.986	-6.0	100	0.00
61	T	1,2-Dibromoethane	50.000	52.412	-4.8	100	0.00
62	S	4-Bromofluorobenzene	50.000	46.534	6.9	97	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	100	0.00
64	T	Tetrachloroethene	50.000	51.740	-3.5	103	0.00
65	PM	Chlorobenzene	50.000	51.045	-2.1	98	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.139	-4.3	98	0.00
67	C	Ethyl Benzene	50.000	51.394	-2.8#	98	0.00
68	T	m/p-Xylenes	100.000	104.318	-4.3	99	0.00
69	T	o-Xylene	50.000	50.691	-1.4	95	0.00
70	T	Styrene	50.000	51.017	-2.0	97	0.00
71	P	Bromoform	50.000	56.076	-12.2	105	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73	T	Isopropylbenzene	50.000	50.948	-1.9	99	0.00
74	T	N-amyl acetate	50.000	51.268	-2.5	98	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	53.575	-7.2	104	0.00
76	T	1,2,3-Trichloropropane	50.000	48.576	2.8	90	0.00
77	T	Bromobenzene	50.000	50.204	-0.4	98	0.00
78	T	n-propylbenzene	50.000	51.147	-2.3	99	0.00
79	T	2-Chlorotoluene	50.000	48.976	2.0	95	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.459	-0.9	97	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	50.645	-1.3	100	0.00
82	T	4-Chlorotoluene	50.000	49.019	2.0	96	0.00
83	T	tert-Butylbenzene	50.000	50.816	-1.6	100	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.196	-0.4	98	0.00
85	T	sec-Butylbenzene	50.000	51.301	-2.6	100	0.00
86	T	p-Isopropyltoluene	50.000	50.890	-1.8	99	0.00
87	T	1,3-Dichlorobenzene	50.000	49.923	0.2	98	0.00
88	T	1,4-Dichlorobenzene	50.000	48.983	2.0	98	0.00
89	T	n-Butylbenzene	50.000	51.508	-3.0	100	0.00
90	T	Hexachloroethane	50.000	52.897	-5.8	104	0.00
91	T	1,2-Dichlorobenzene	50.000	50.118	-0.2	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	54.261	-8.5	102	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.024	2.0	94	0.00
94	T	Hexachlorobutadiene	50.000	50.335	-0.7	99	0.00
95	T	Naphthalene	50.000	51.950	-3.9	99	0.00

Sample Results: **VX047868.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047868.D
Acq On : 29 Sep 2025 08:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 30 01:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	50.248	-0.5	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX047894.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: Alliance
Contract: TETR06
Lab Code: ACE
SDG No.: Q3213
Instrument ID: MSVOA_X
Calibration Date/Time: 09/29/2025 18:49
Lab File ID: VX047894.D
Init. Calib. Date(s): 09/16/2025 09/16/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:23 12:01
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.585		12.93	50
Chloromethane	0.680	0.697	0.1	2.5	50
Vinyl Chloride	0.666	0.724		8.71	50
Bromomethane	0.422	0.458		8.53	50
Chloroethane	0.445	0.479		7.64	50
Trichlorofluoromethane	0.989	1.060		7.18	50
1,1,2-Trichlorotrifluoroethane	0.578	0.619		7.09	50
1,1-Dichloroethene	0.594	0.627		5.56	50
Acetone	0.346	0.297		-14.16	50
Carbon Disulfide	1.626	1.653		1.66	50
Methyl tert-butyl Ether	2.169	2.290		5.58	50
Methyl Acetate	0.770	0.960		24.67	50
Methylene Chloride	0.732	0.780		6.56	50
trans-1,2-Dichloroethene	0.640	0.676		5.63	50
1,1-Dichloroethane	1.263	1.352	0.1	7.05	50
Cyclohexane	1.052	1.001		-4.85	50
2-Butanone	0.432	0.454		5.09	50
Carbon Tetrachloride	0.532	0.535		0.56	50
cis-1,2-Dichloroethene	0.783	0.836		6.77	50
Bromochloromethane	0.551	0.601		9.07	50
Chloroform	1.276	1.393		9.17	50
1,1,1-Trichloroethane	1.082	1.138		5.18	50
Methylcyclohexane	0.556	0.525		-5.58	50
Benzene	1.488	1.545		3.83	50
1,2-Dichloroethane	0.566	0.573		1.24	50
Trichloroethene	0.360	0.370		2.78	50
1,2-Dichloropropane	0.381	0.404		6.04	50
Bromodichloromethane	0.572	0.605		5.77	50
4-Methyl-2-Pentanone	0.477	0.529		10.9	50
Toluene	0.917	0.940		2.51	50
t-1,3-Dichloropropene	0.584	0.573		-1.88	50
cis-1,3-Dichloropropene	0.624	0.619		-0.8	50
1,1,2-Trichloroethane	0.354	0.380		7.34	50
2-Hexanone	0.343	0.362		5.54	50
Dibromochloromethane	0.407	0.447		9.83	50
1,2-Dibromoethane	0.360	0.395		9.72	50
Tetrachloroethene	0.326	0.328		0.61	50
Chlorobenzene	1.136	1.164	0.3	2.46	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:	Alliance	Contract:	TETR06
Lab Code:	ACE	SDG No.:	Q3213
Instrument ID:	MSVOA_X	Calibration Date/Time:	09/29/2025 18:49
Lab File ID:	VX047894.D	Init. Calib. Date(s):	09/16/2025 09/16/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:23 12:01

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.960	1.962		0.1	50
m/p-Xylenes	0.729	0.744		2.06	50
o-Xylene	0.706	0.720		1.98	50
Styrene	1.236	1.282		3.72	50
Bromoform	0.293	0.316	0.1	7.85	50
Isopropylbenzene	3.801	3.606		-5.13	50
1,1,2,2-Tetrachloroethane	1.150	1.192	0.3	3.65	50
1,3-Dichlorobenzene	1.739	1.659		-4.6	50
1,4-Dichlorobenzene	1.785	1.686		-5.55	50
1,2-Dichlorobenzene	1.657	1.607		-3.02	50
1,2-Dibromo-3-Chloropropane	0.233	0.224		-3.86	50
1,2,4-Trichlorobenzene	1.077	0.969		-10.03	50
1,2,3-Trichlorobenzene	1.002	0.936		-6.59	50
1,2-Dichloroethane-d4	0.796	0.803		0.88	50
Dibromofluoromethane	0.335	0.348		3.88	50
Toluene-d8	1.160	1.168		0.69	50
4-Bromofluorobenzene	0.440	0.447		1.59	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: **VX047894.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047894.D
Acq On : 29 Sep 2025 18:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 30 01:26:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	141754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	256996	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	230930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	116897	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	113890	50.475	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.940%			
35) Dibromofluoromethane	5.379	113	89329	51.828	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.660%			
50) Toluene-d8	8.634	98	300072	50.315	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.640%			
62) 4-Bromofluorobenzene	11.061	95	114868	50.750	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.178	85	82921	56.490	ug/l	98
3) Chloromethane	1.300	50	98786	51.206	ug/l	99
4) Vinyl Chloride	1.380	62	102586	54.322	ug/l	98
5) Bromomethane	1.617	94	64989	54.270	ug/l	97
6) Chloroethane	1.697	64	67958	53.841	ug/l	98
7) Trichlorofluoromethane	1.898	101	150252	53.585	ug/l	97
8) Diethyl Ether	2.136	74	60575	52.810	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	87751	53.520	ug/l	99
10) Methyl Iodide	2.459	142	117956	46.129	ug/l	99
11) Tert butyl alcohol	2.946	59	61349	244.127	ug/l	100
12) 1,1-Dichloroethene	2.325	96	88942	52.810	ug/l	98
13) Acrolein	2.239	56	58194	251.295	ug/l	99
14) Allyl chloride	2.666	41	170065	48.934	ug/l	96
15) Acrylonitrile	3.062	53	270465	290.564	ug/l	98
16) Acetone	2.380	43	210611	214.674	ug/l	96
17) Carbon Disulfide	2.520	76	234301	50.818	ug/l	99
18) Methyl Acetate	2.703	43	136014	62.295	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	324624	52.801	ug/l	99
20) Methylene Chloride	2.788	84	110575	53.246	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	95790	52.828	ug/l	97
22) Diisopropyl ether	3.751	45	360539	53.529	ug/l #	79
23) Vinyl Acetate	3.715	43	1435645	266.323	ug/l	99
24) 1,1-Dichloroethane	3.611	63	191596	53.520	ug/l	99
25) 2-Butanone	4.544	43	322082	263.189	ug/l	99
26) 2,2-Dichloropropane	4.471	77	113858	38.261	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	118553	53.388	ug/l	95
28) Bromochloromethane	4.891	49	85236	54.538	ug/l	99
29) Tetrahydrofuran	4.995	42	204612	277.934	ug/l	99
30) Chloroform	5.086	83	197448	54.580	ug/l	100
31) Cyclohexane	5.464	56	141936	47.604	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	161369	52.589	ug/l	100
36) 1,1-Dichloropropene	5.684	75	122842	48.775	ug/l	98
37) Ethyl Acetate	4.702	43	139441	51.710	ug/l	98
38) Carbon Tetrachloride	5.665	117	137555	50.268	ug/l	97
39) Methylcyclohexane	7.366	83	134800	47.152	ug/l	97
40) Benzene	6.025	78	396956	51.894	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047894.D
Acq On : 29 Sep 2025 18:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 30 01:26:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	74620	53.601	ug/l		99
42) 1,2-Dichloroethane	6.074	62	147288	50.606	ug/l		98
43) Isopropyl Acetate	6.324	43	224358	50.730	ug/l		99
44) Trichloroethene	7.110	130	95061	51.403	ug/l		99
45) 1,2-Dichloropropane	7.415	63	103926	53.058	ug/l		98
46) Dibromomethane	7.568	93	75055	52.657	ug/l		98
47) Bromodichloromethane	7.805	83	155440	52.847	ug/l		98
48) Methyl methacrylate	7.677	41	116118	52.710	ug/l		97
49) 1,4-Dioxane	7.653	88	27191	1221.341	ug/l		97
51) 4-Methyl-2-Pentanone	8.555	43	679506	277.112	ug/l		100
52) Toluene	8.702	92	241599	51.265	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	147217	49.069	ug/l		98
54) cis-1,3-Dichloropropene	8.354	75	159099	49.614	ug/l		97
55) 1,1,2-Trichloroethane	9.134	97	97671	53.747	ug/l		98
56) Ethyl methacrylate	9.104	69	152310	53.369	ug/l		97
57) 1,3-Dichloropropane	9.293	76	168581	54.003	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	376121	274.070	ug/l		100
59) 2-Hexanone	9.415	43	465582	264.369	ug/l		98
60) Dibromochloromethane	9.506	129	114768	54.812	ug/l		99
61) 1,2-Dibromoethane	9.592	107	101423	54.796	ug/l		100
64) Tetrachloroethene	9.256	164	75672	50.266	ug/l		98
65) Chlorobenzene	10.061	112	268830	51.242	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.146	131	95467	52.734	ug/l		99
67) Ethyl Benzene	10.177	91	453059	50.050	ug/l		99
68) m/p-Xylenes	10.287	106	343431	101.931	ug/l		97
69) o-Xylene	10.628	106	166251	51.015	ug/l		99
70) Styrene	10.640	104	296064	51.849	ug/l		98
71) Bromoform	10.780	173	73079	54.061	ug/l	#	98
73) Isopropylbenzene	10.945	105	421544	47.432	ug/l		99
74) N-amyl acetate	10.829	43	194666	48.033	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	139335	51.820	ug/l		99
76) 1,2,3-Trichloropropane	11.219	75	122245m	51.650	ug/l		
77) Bromobenzene	11.183	156	106374	48.598	ug/l		97
78) n-propylbenzene	11.286	91	500518	47.642	ug/l		100
79) 2-Chlorotoluene	11.347	91	303228	47.125	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	348489	47.727	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	40190	43.303	ug/l		98
82) 4-Chlorotoluene	11.439	91	360882	47.487	ug/l		99
83) tert-Butylbenzene	11.695	119	347894	46.544	ug/l		98
84) 1,2,4-Trimethylbenzene	11.731	105	353530	47.757	ug/l		100
85) sec-Butylbenzene	11.872	105	416252	46.884	ug/l		100
86) p-Isopropyltoluene	11.994	119	350486	46.630	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	193973	47.710	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	197037	47.220	ug/l		99
89) n-Butylbenzene	12.317	91	319474	45.935	ug/l		98
90) Hexachloroethane	12.518	117	62717	47.526	ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	187886	48.507	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	26226	48.175	ug/l		94
93) 1,2,4-Trichlorobenzene	13.567	180	113275	44.998	ug/l		97
94) Hexachlorobutadiene	13.707	225	37447	43.795	ug/l		98
95) Naphthalene	13.756	128	370931	48.390	ug/l		99
96) 1,2,3-Trichlorobenzene	13.938	180	109453	46.742	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047894.D
Acq On : 29 Sep 2025 18:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 30 01:26:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

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

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

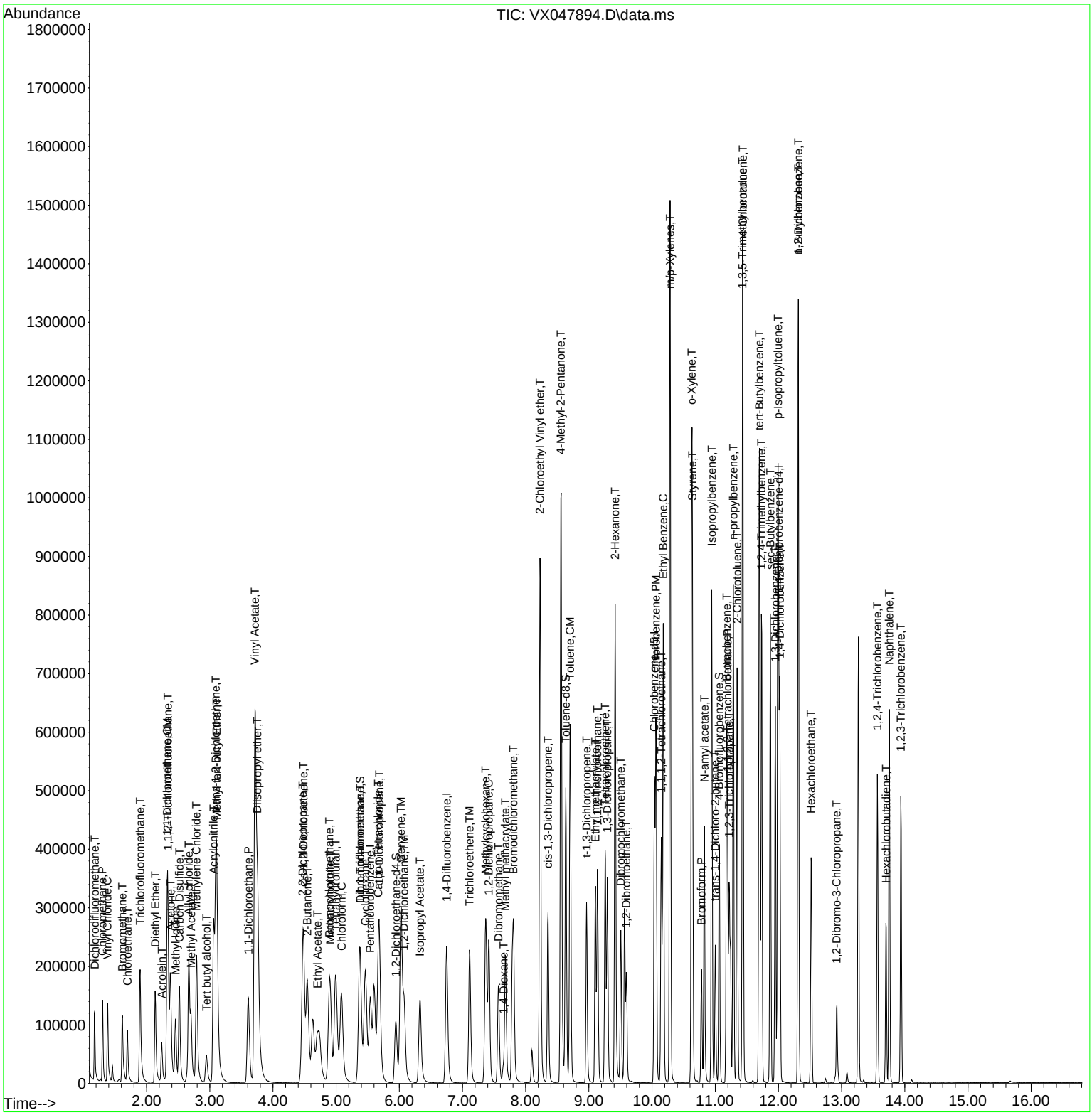
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047894.D
Acq On : 29 Sep 2025 18:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

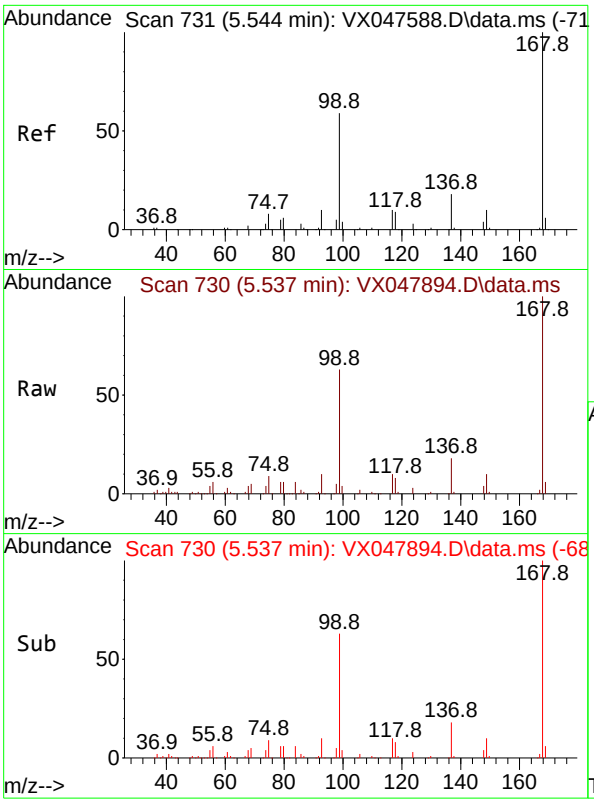
Quant Time: Sep 30 01:26:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

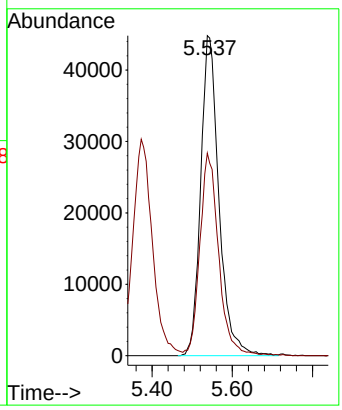




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:168 Resp: 14175

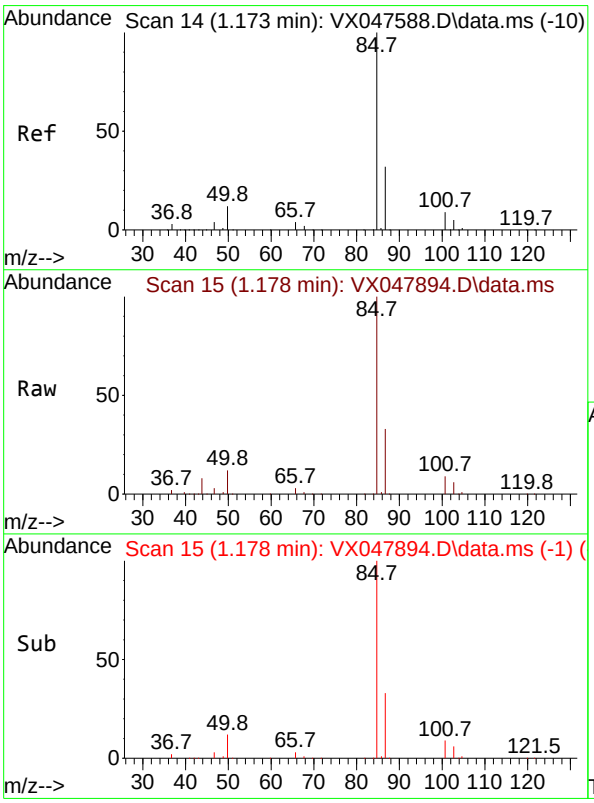
Ion	Ratio	Lower	Upper
168	100		
99	63.0	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

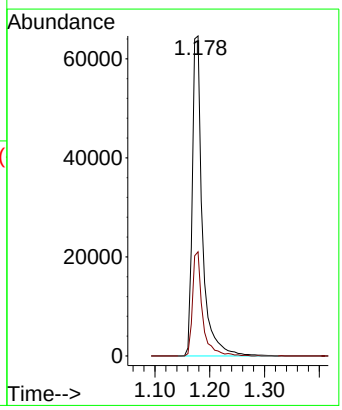
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

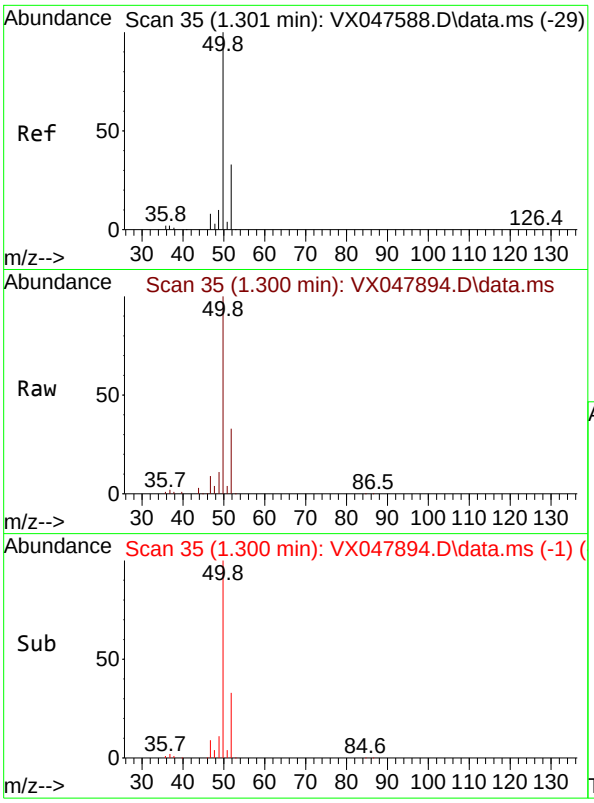


#2
Dichlorodifluoromethane
Concen: 56.490 ug/l
RT: 1.178 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 85 Resp: 82921

Ion	Ratio	Lower	Upper
85	100		
87	32.8	15.8	47.3

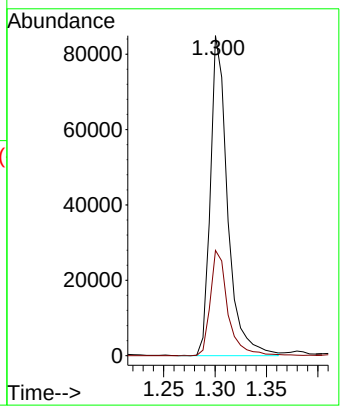




#3
Chloromethane
Concen: 51.206 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 50 Resp: 9878

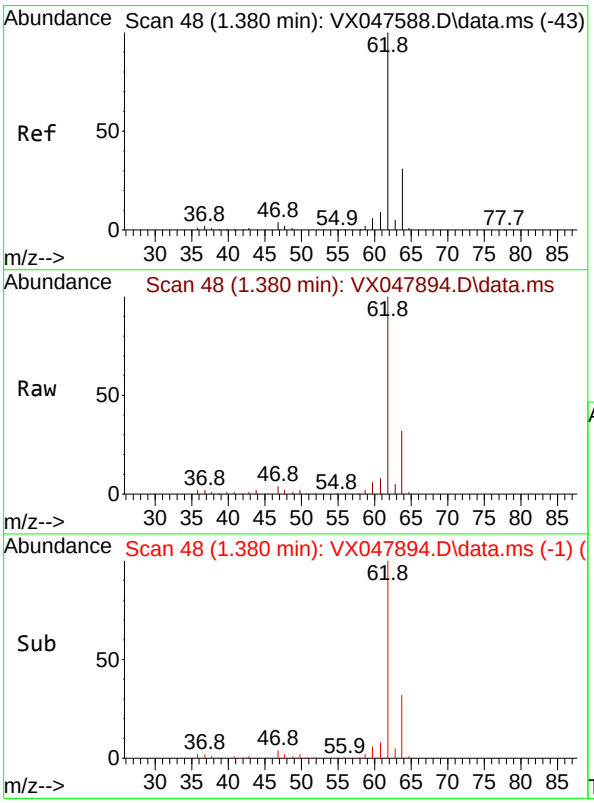
Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

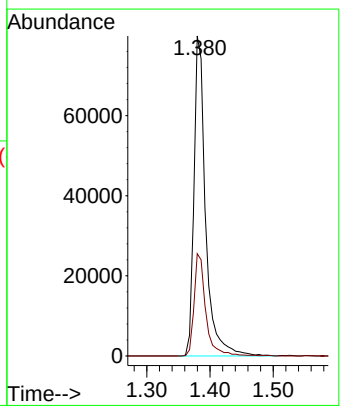
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

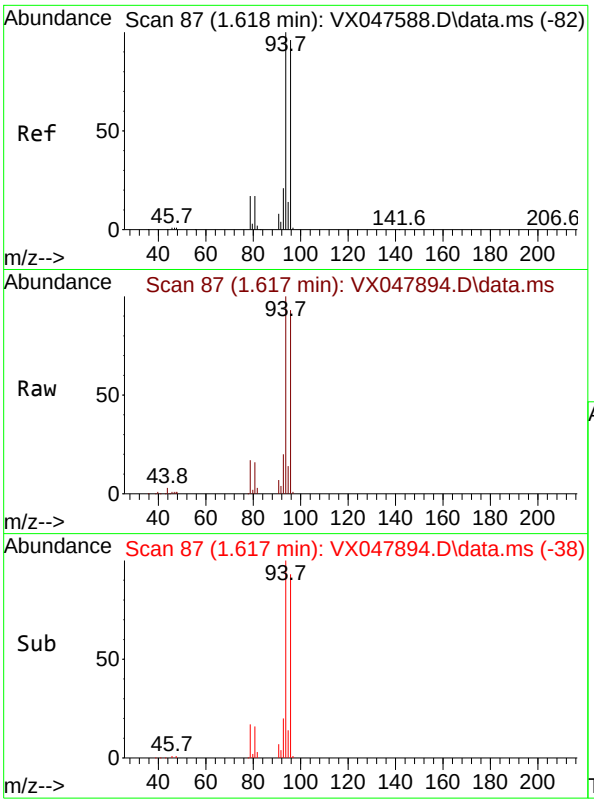


#4
Vinyl Chloride
Concen: 54.322 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 62 Resp: 102586

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.9	37.3





#5
Bromomethane
Concen: 54.270 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

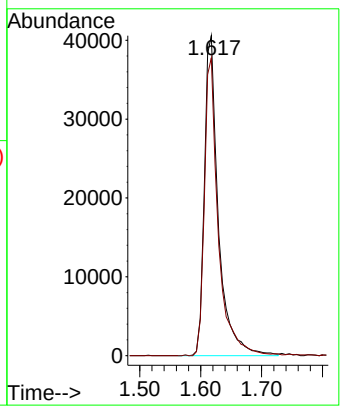
Tgt Ion: 94 Resp: 6498

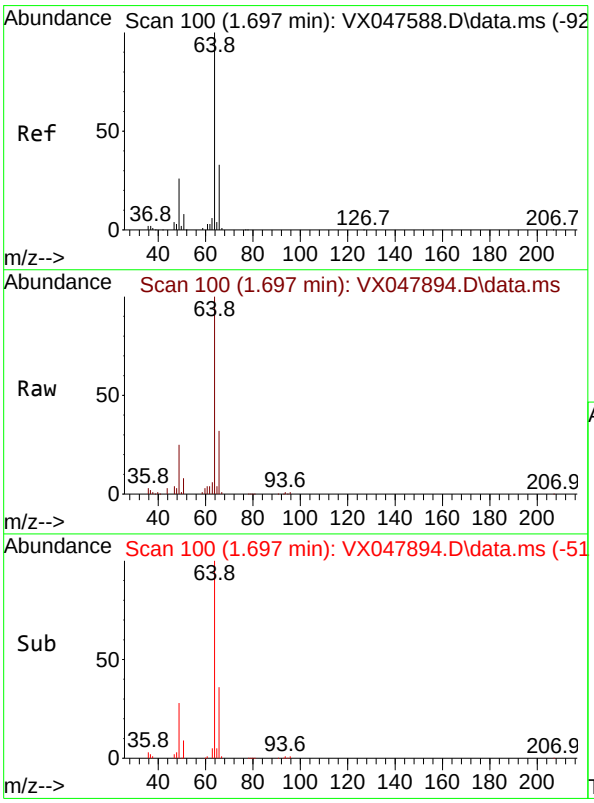
Ion	Ratio	Lower	Upper
94	100		
96	93.1	76.6	115.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

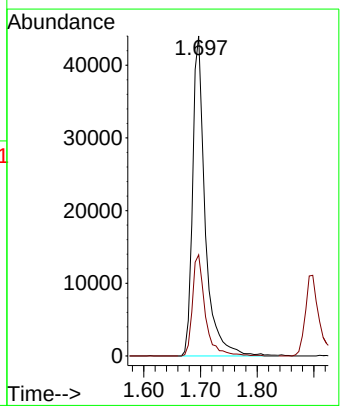


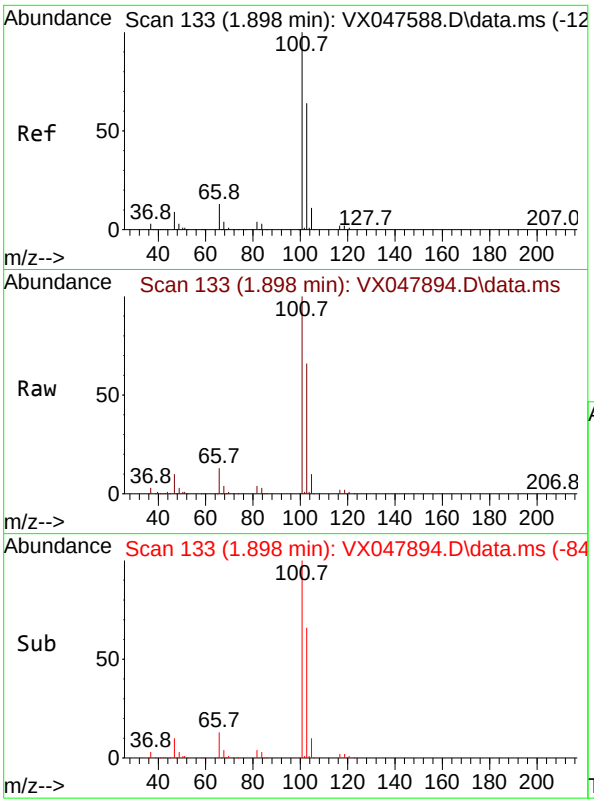


#6
Chloroethane
Concen: 53.841 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 64 Resp: 67958

Ion	Ratio	Lower	Upper
64	100		
66	31.6	26.1	39.1





#7
Trichlorofluoromethane
Concen: 53.585 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

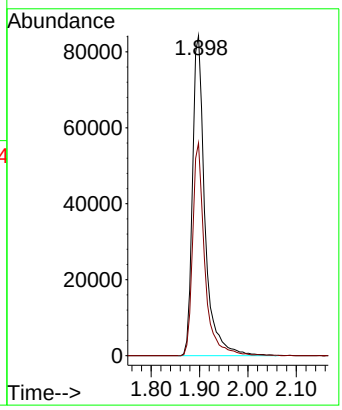
Tgt Ion:101 Resp: 15025

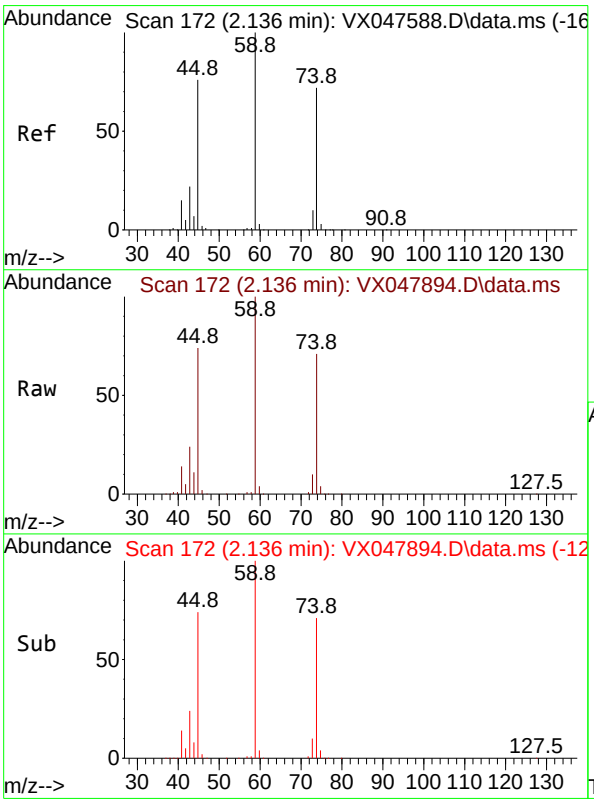
Ion	Ratio	Lower	Upper
101	100		
103	66.4	51.4	77.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

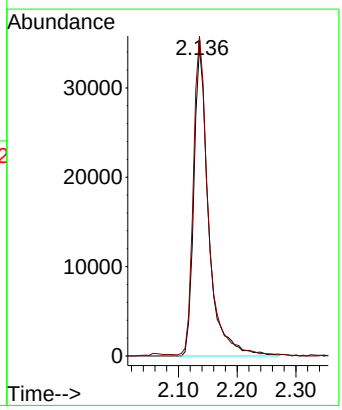


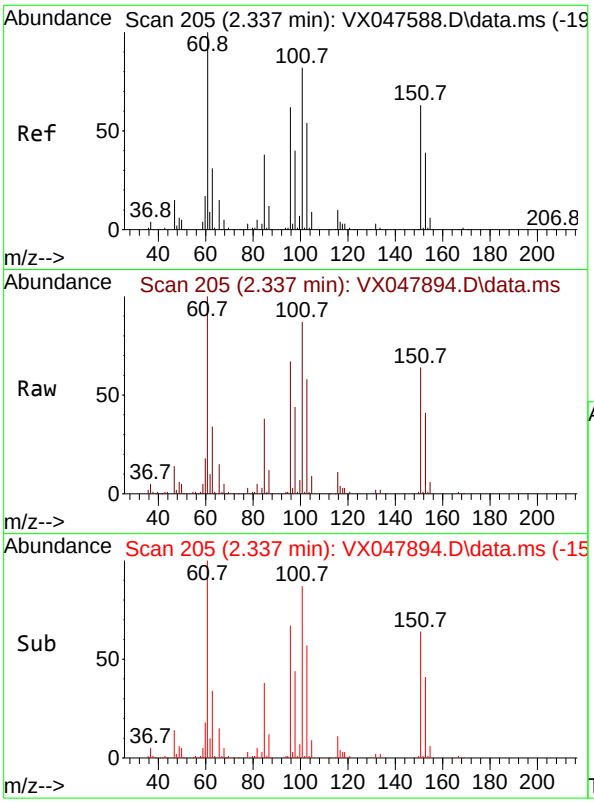


#8
Diethyl Ether
Concen: 52.810 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 74 Resp: 60575

Ion	Ratio	Lower	Upper
74	100		
45	106.1	52.3	156.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.520 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

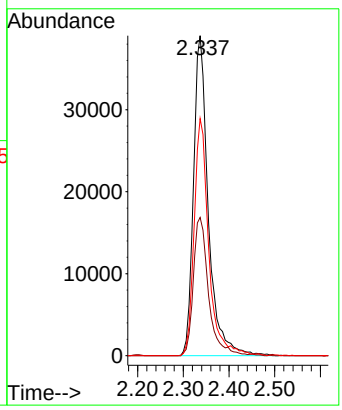
Tgt Ion:101 Resp: 8775

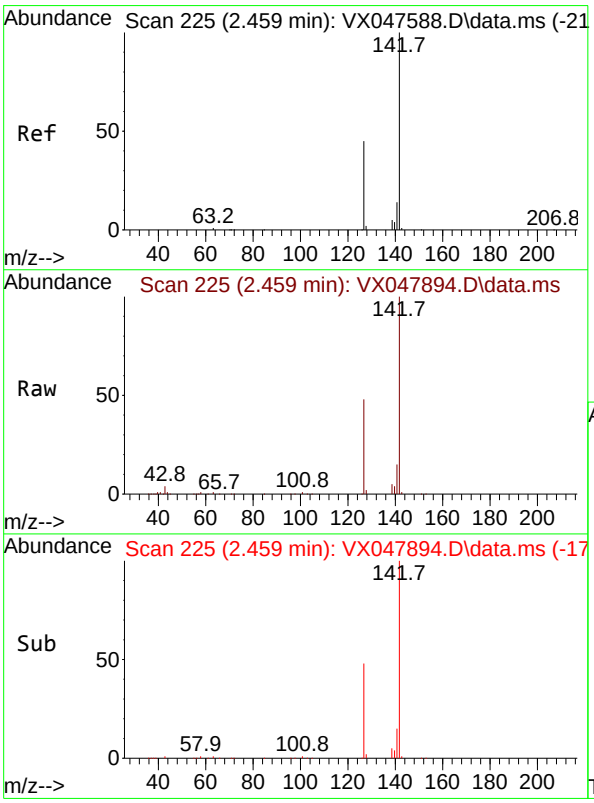
Ion	Ratio	Lower	Upper
101	100		
85	44.6	35.5	53.3
151	73.3	59.4	89.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

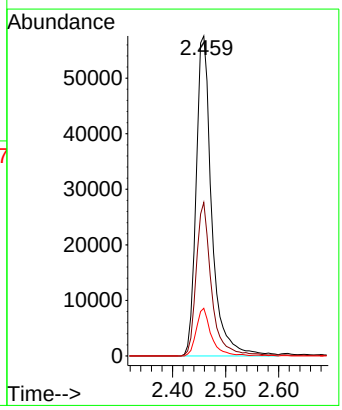


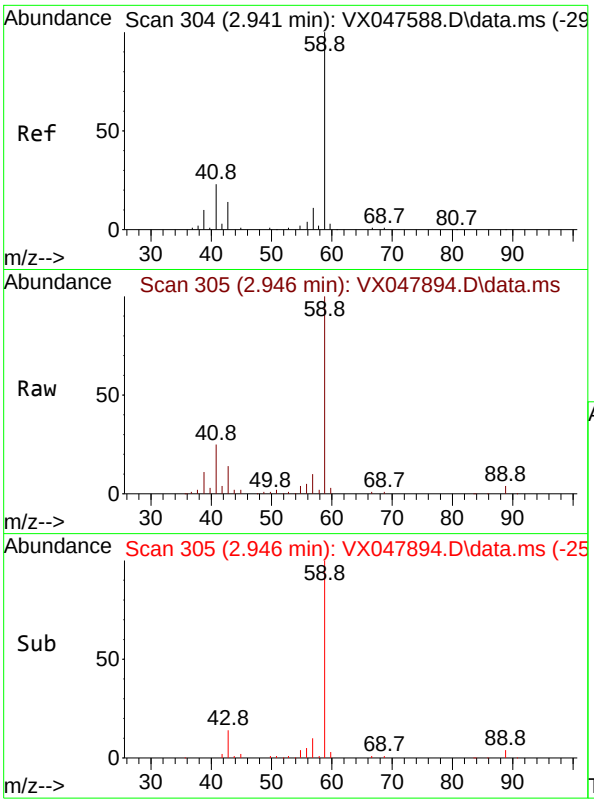


#10
Methyl Iodide
Concen: 46.129 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:142 Resp: 117956

Ion	Ratio	Lower	Upper
142	100		
127	46.9	37.2	55.8
141	14.3	11.4	17.0

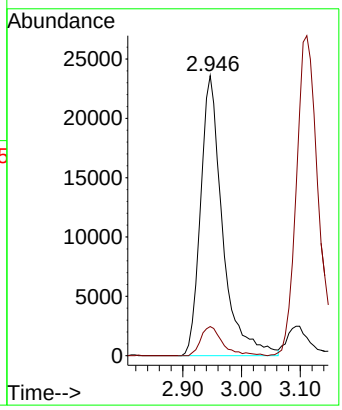




#11
Tert butyl alcohol
Concen: 244.127 ug/l
RT: 2.946 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 59 Resp: 6134

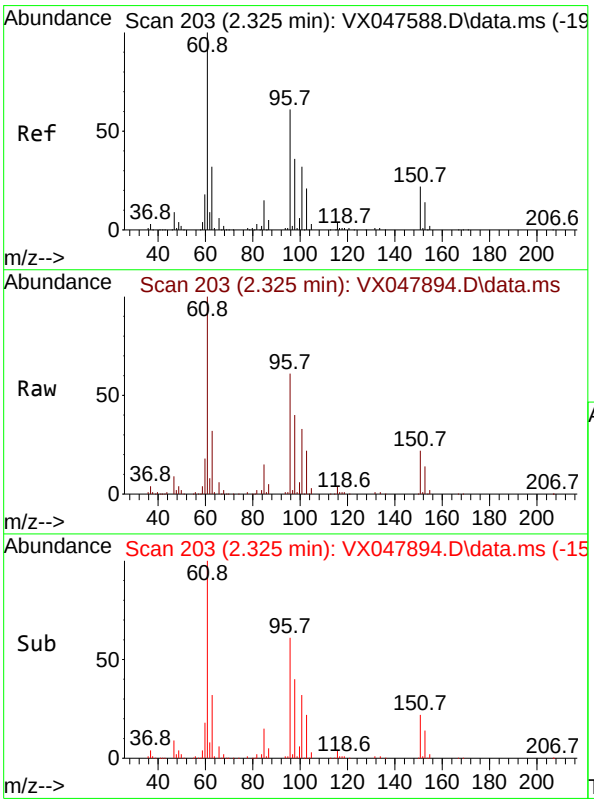
Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

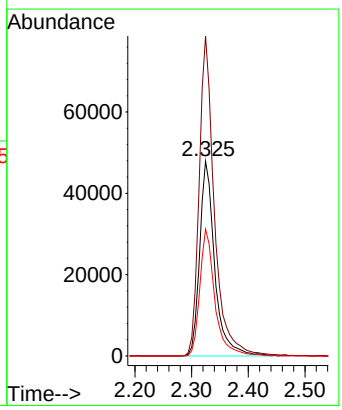
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

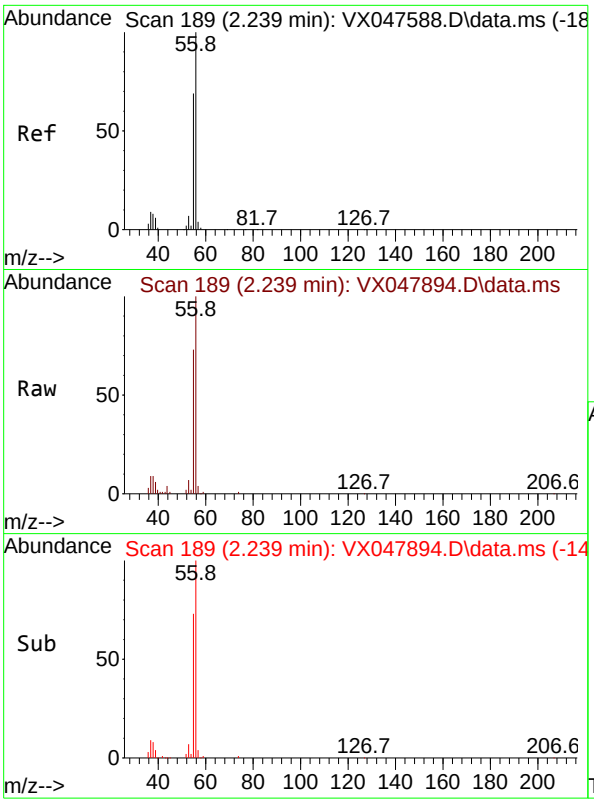


#12
1,1-Dichloroethene
Concen: 52.810 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 96 Resp: 88942

Ion	Ratio	Lower	Upper
96	100		
61	164.2	131.0	196.6
98	65.0	47.7	71.5

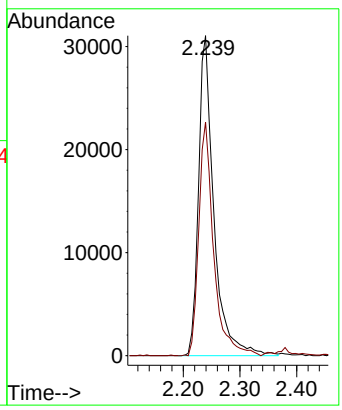




#13
Acrolein
Concen: 251.295 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 56 Resp: 5819

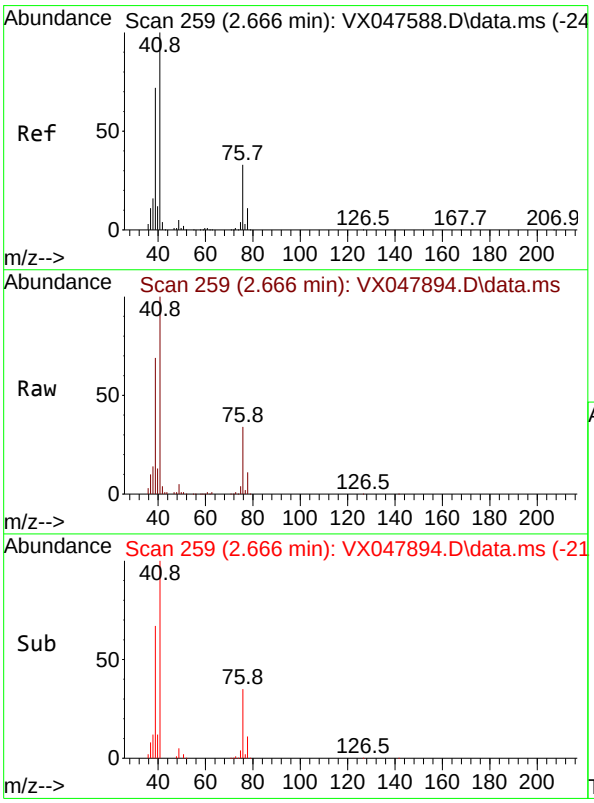
Ion	Ratio	Lower	Upper
56	100		
55	71.0	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

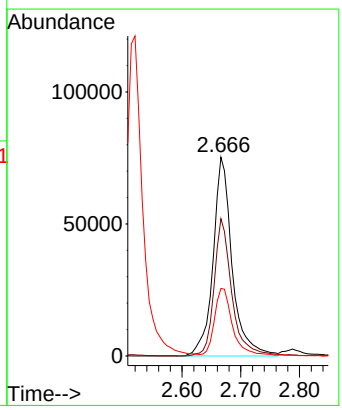
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

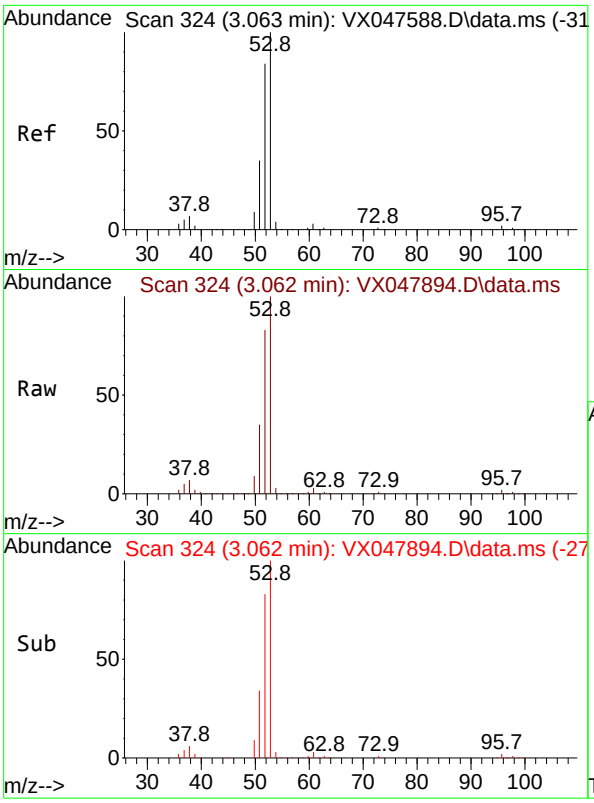


#14
Allyl chloride
Concen: 48.934 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 41 Resp: 170065

Ion	Ratio	Lower	Upper
41	100		
39	64.3	54.7	82.1
76	32.8	25.7	38.5

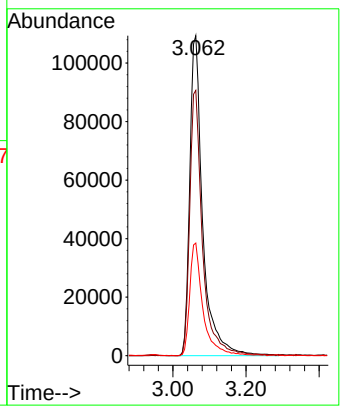




#15
Acrylonitrile
Concen: 290.564 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 53 Resp: 27046

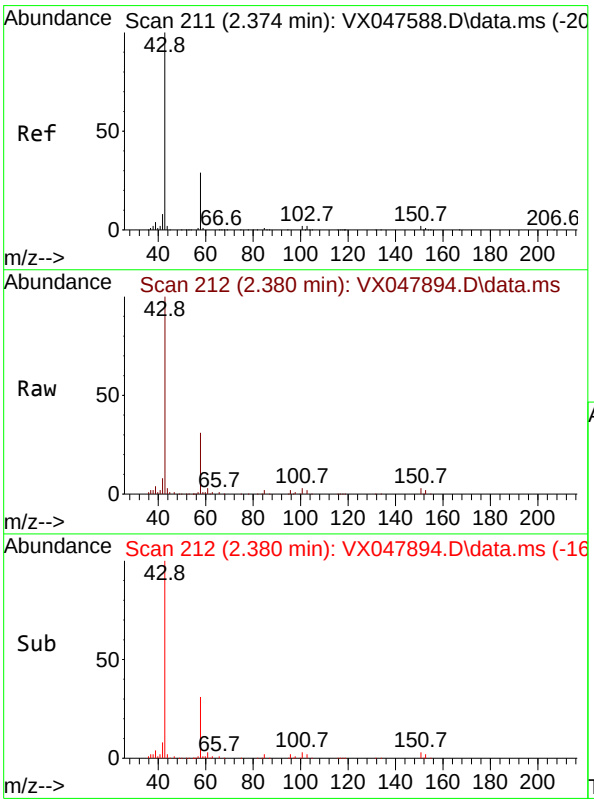
Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.4	99.6
51	35.9	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

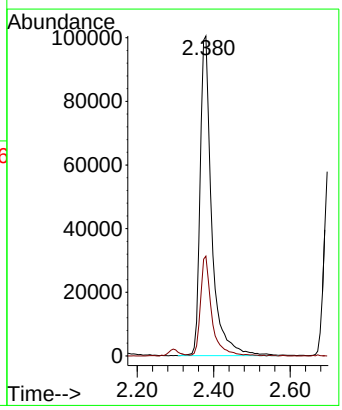
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

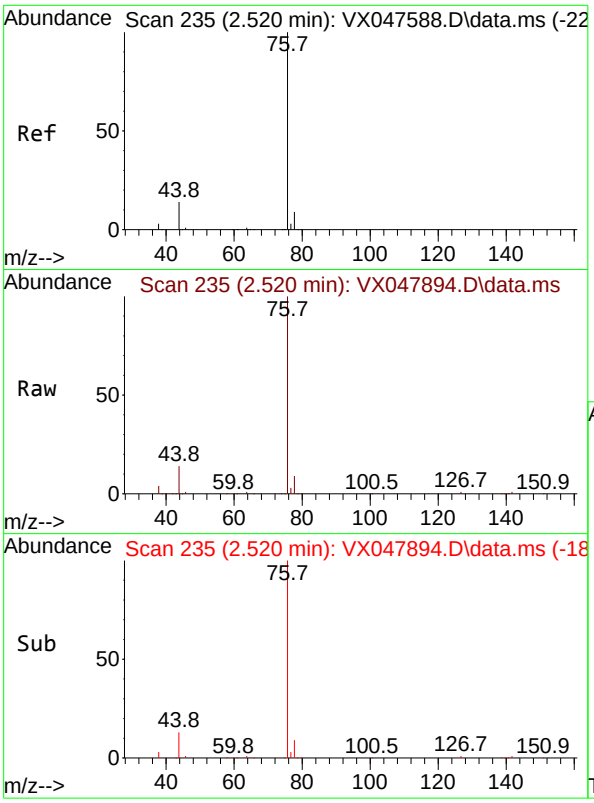


#16
Acetone
Concen: 214.674 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 43 Resp: 210611

Ion	Ratio	Lower	Upper
43	100		
58	31.2	23.4	35.0





#17
Carbon Disulfide
Concen: 50.818 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

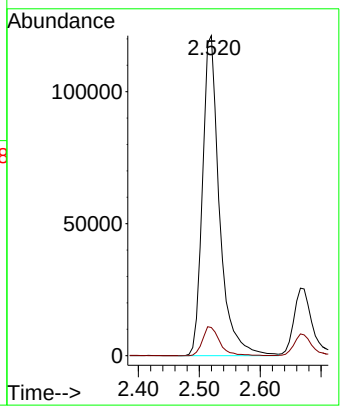
Tgt Ion: 76 Resp: 23430

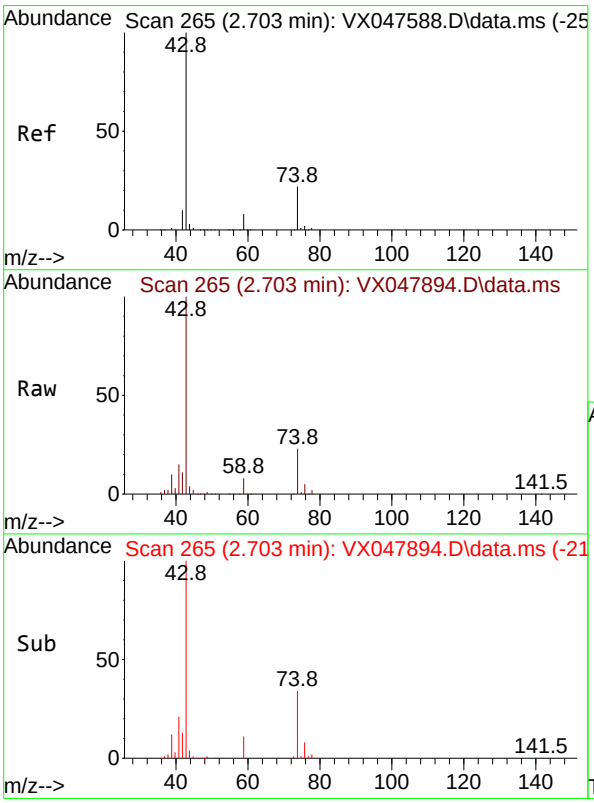
Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.8	10.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

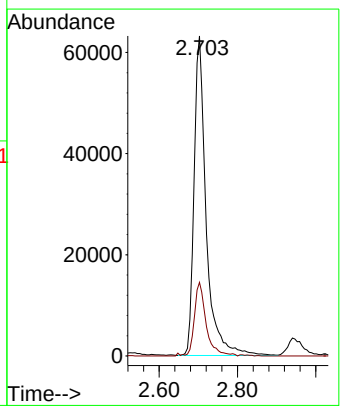


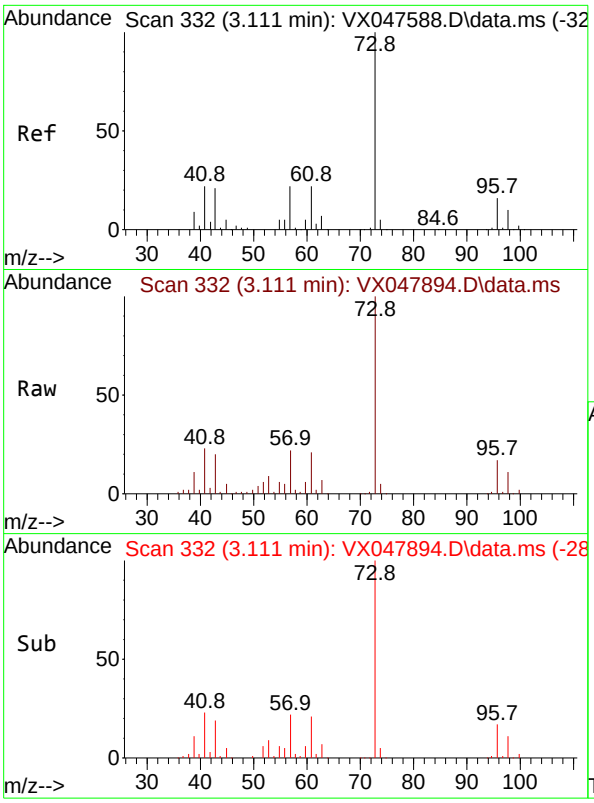


#18
Methyl Acetate
Concen: 62.295 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 43 Resp: 136014

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2





#19
Methyl tert-butyl Ether
Concen: 52.801 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

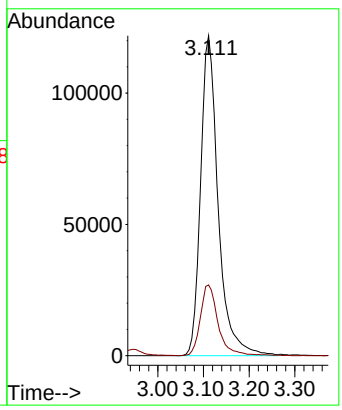
Tgt Ion: 73 Resp: 32462

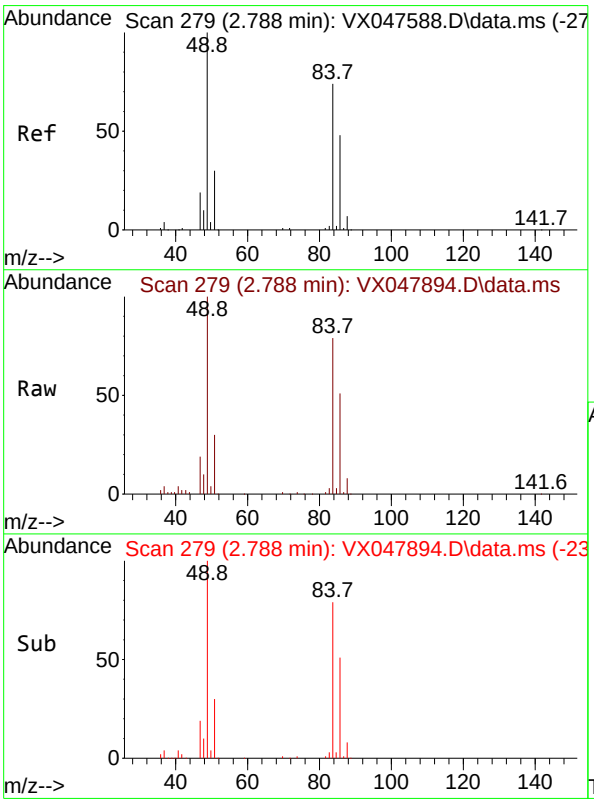
Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.4	26.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

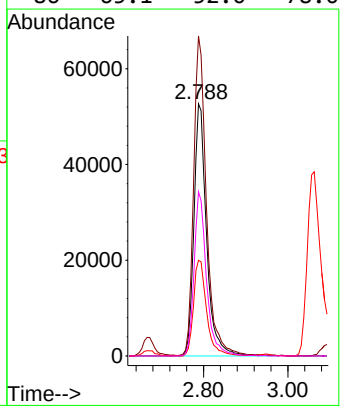


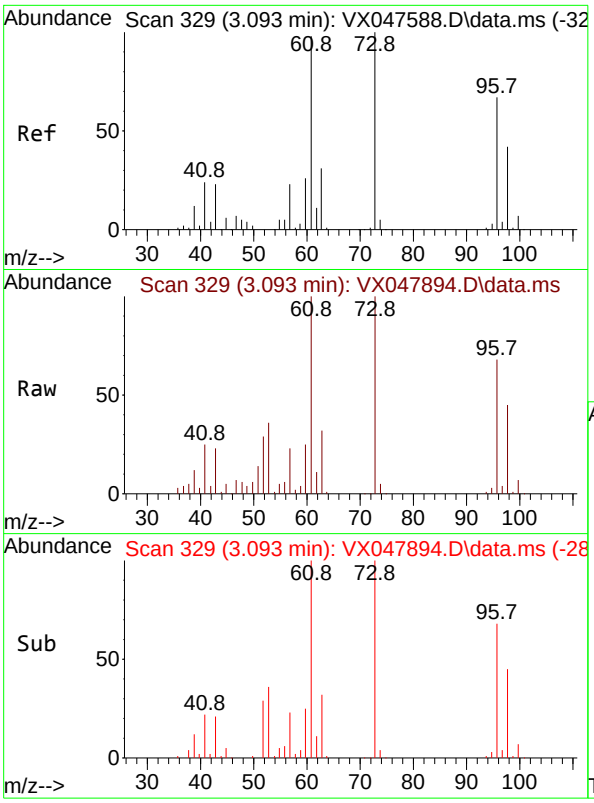


#20
Methylene Chloride
Concen: 53.246 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 84 Resp: 110575

Ion	Ratio	Lower	Upper
84	100		
49	126.7	108.6	162.8
51	37.8	32.6	48.8
86	65.1	52.0	78.0

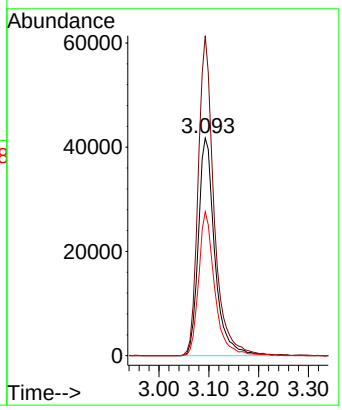




#21
trans-1,2-Dichloroethene
Concen: 52.828 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 96 Resp: 9579

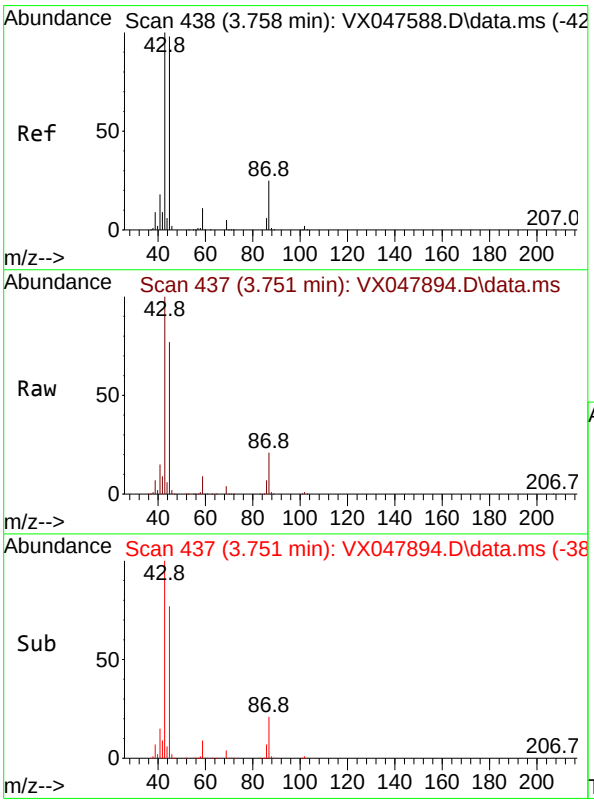
Ion	Ratio	Lower	Upper
96	100		
61	147.1	116.2	174.2
98	66.2	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

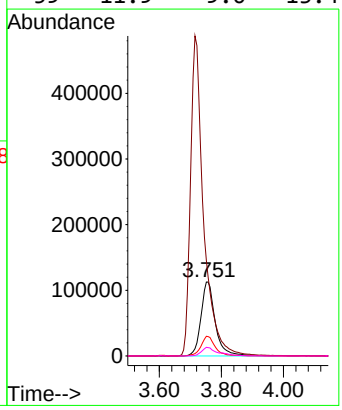
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

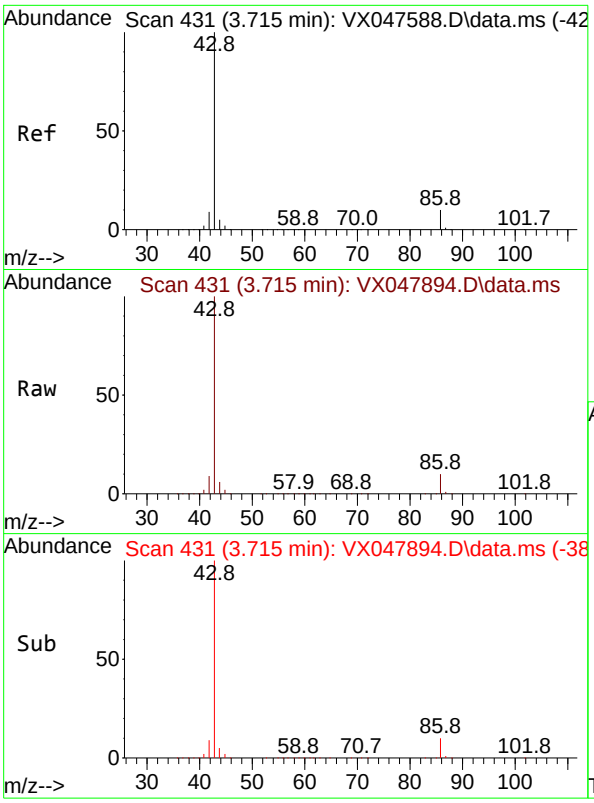


#22
Diisopropyl ether
Concen: 53.529 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 45 Resp: 360539

Ion	Ratio	Lower	Upper
45	100		
43	129.1	81.0	121.4#
87	26.6	20.3	30.5
59	11.9	9.0	13.4





#23
Vinyl Acetate
Concen: 266.323 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

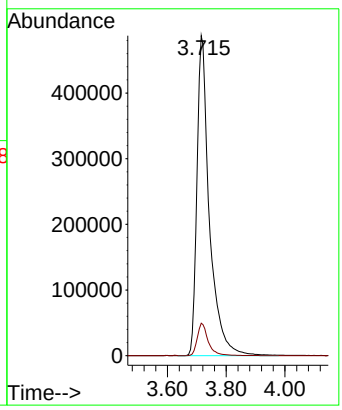
Tgt Ion: 43 Resp: 143564

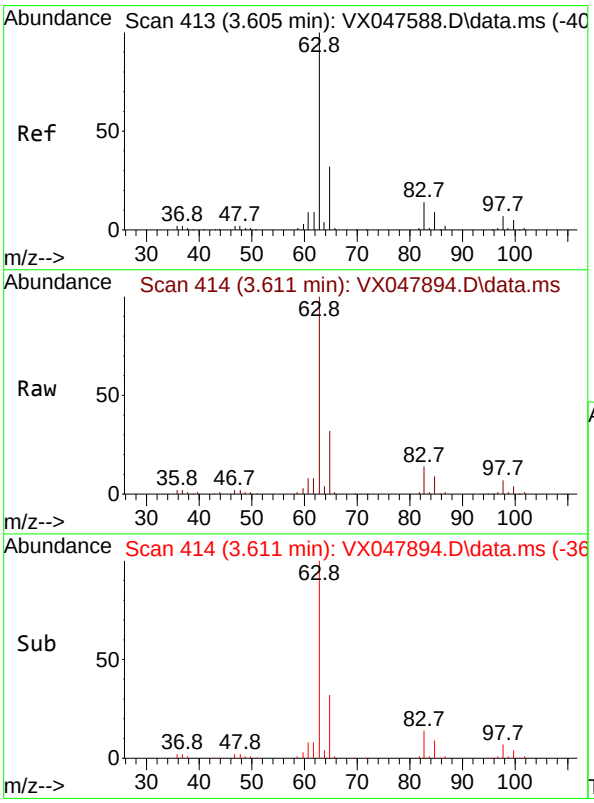
Ion	Ratio	Lower	Upper
43	100		
86	10.1	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

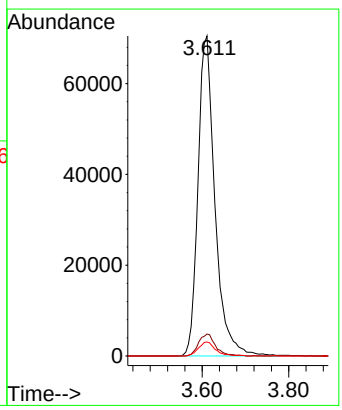


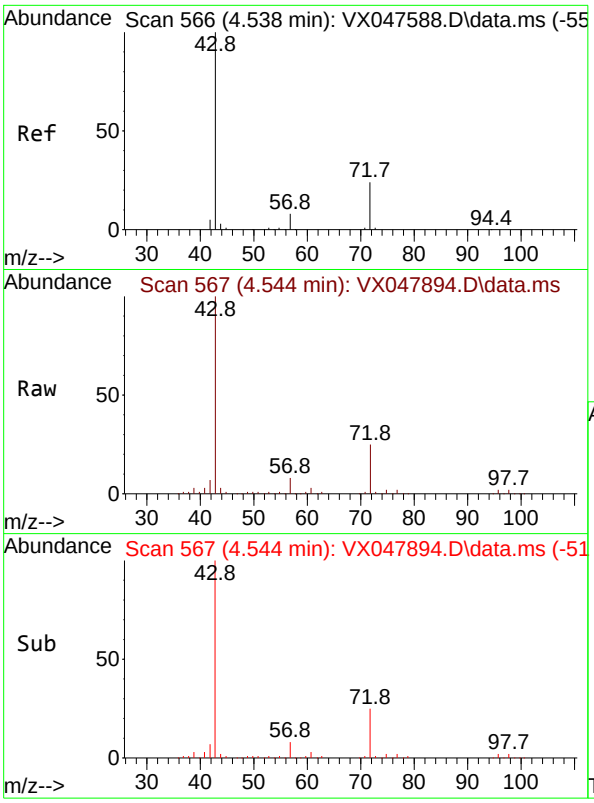


#24
1,1-Dichloroethane
Concen: 53.520 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 63 Resp: 191596

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.8	11.2
100	4.3	2.3	6.9





#25
2-Butanone
Concen: 263.189 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

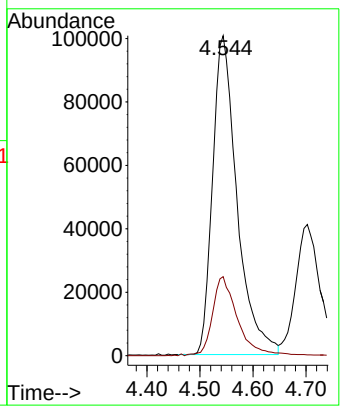
Tgt Ion: 43 Resp: 32208

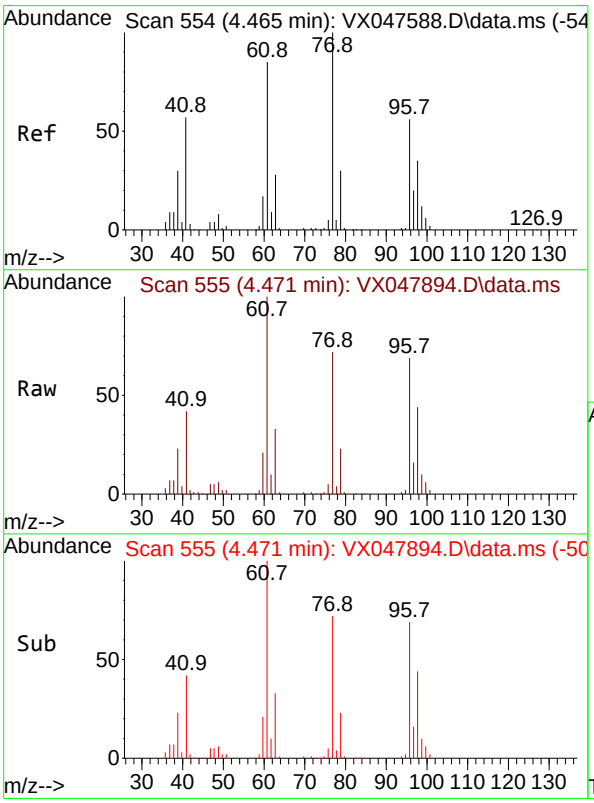
Ion	Ratio	Lower	Upper
43	100		
72	24.6	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

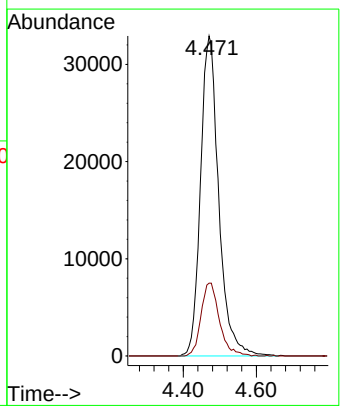


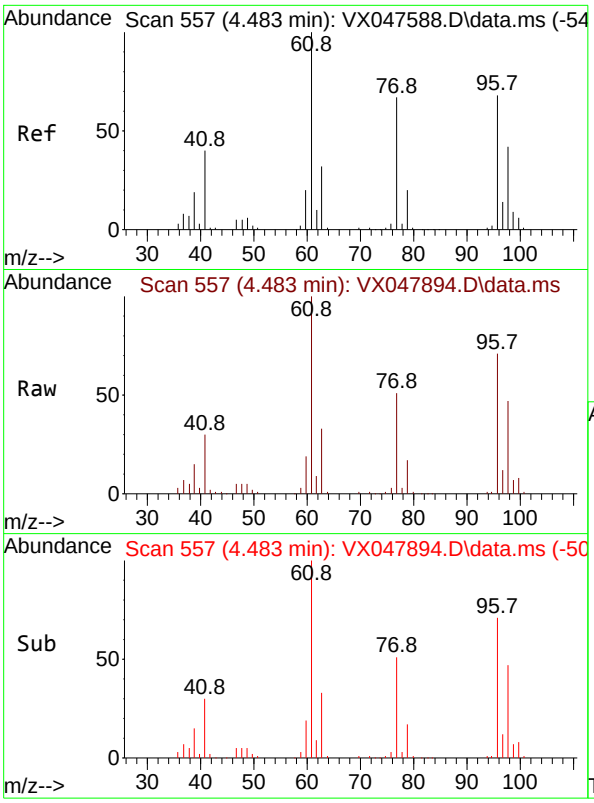


#26
2,2-Dichloropropane
Concen: 38.261 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 77 Resp: 113858

Ion	Ratio	Lower	Upper
77	100		
97	23.0	10.9	32.7

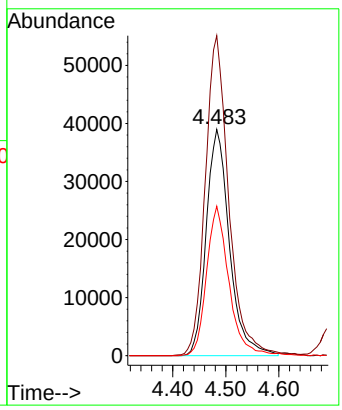




#27
cis-1,2-Dichloroethene
Concen: 53.388 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 96 Resp: 11855

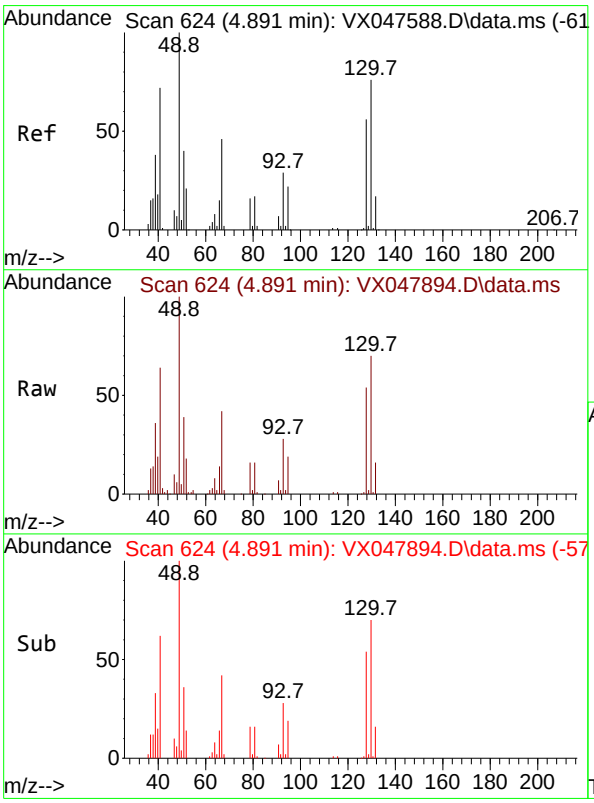
Ion	Ratio	Lower	Upper
96	100		
61	143.2	0.0	303.2
98	63.9	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

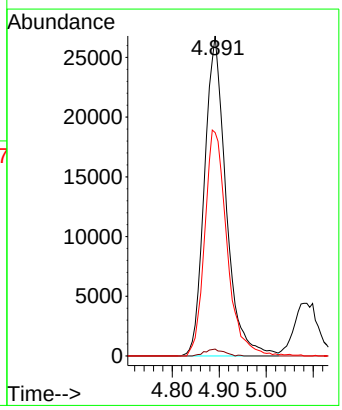
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

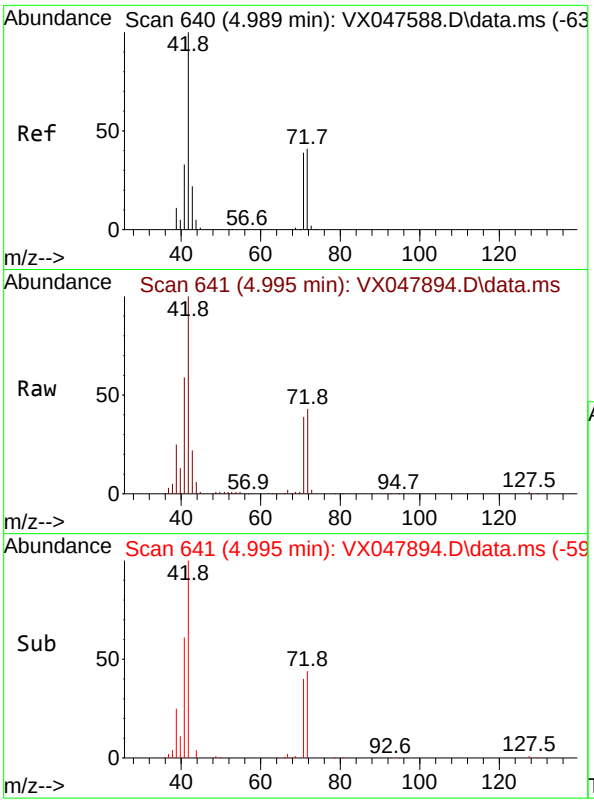


#28
Bromochloromethane
Concen: 54.538 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 49 Resp: 85236

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.2
130	73.1	57.8	86.8





#29
Tetrahydrofuran
Concen: 277.934 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

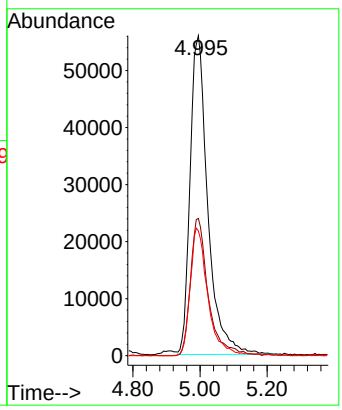
Tgt Ion: 42 Resp: 20461

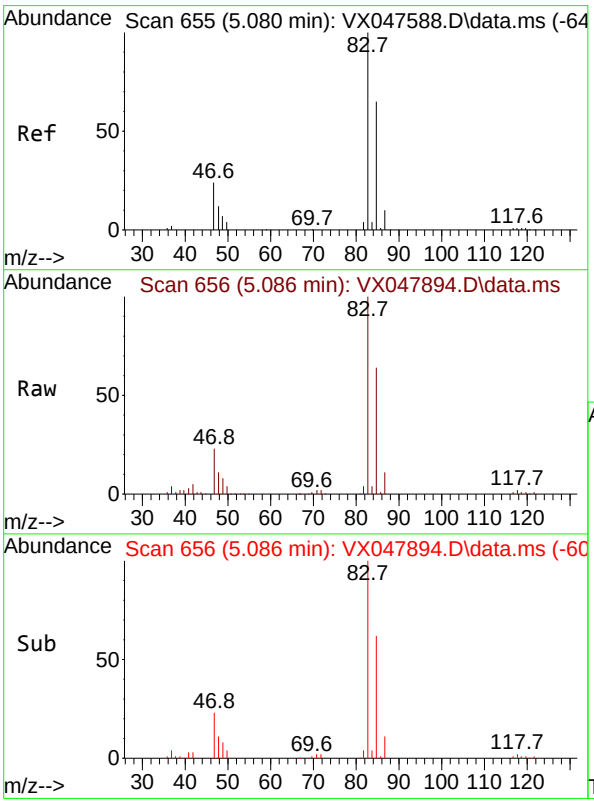
Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.2	51.2
71	39.9	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

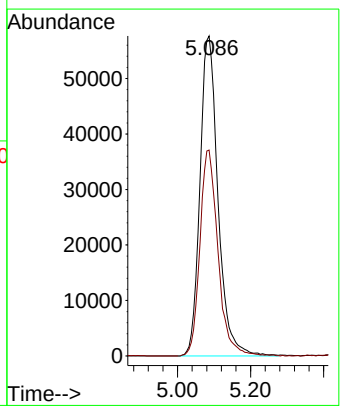


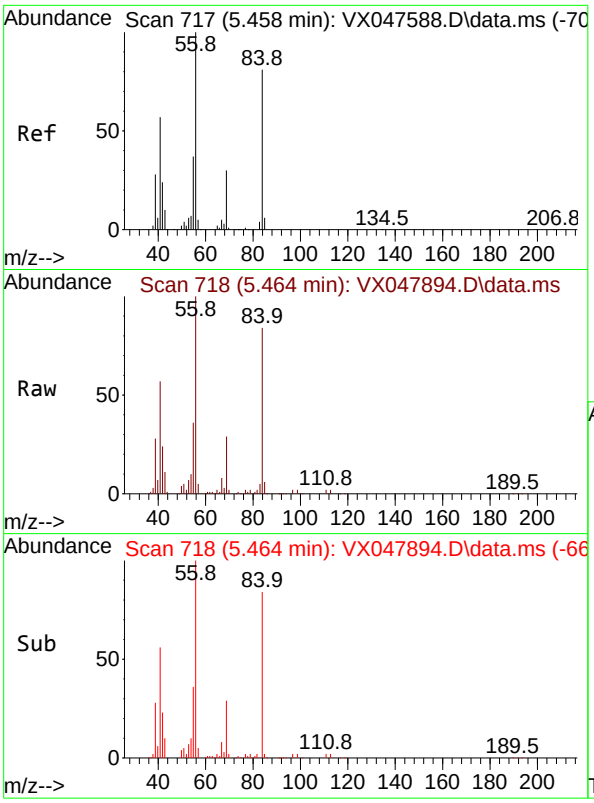


#30
Chloroform
Concen: 54.580 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 83 Resp: 197448

Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.6





#31
Cyclohexane
Concen: 47.604 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

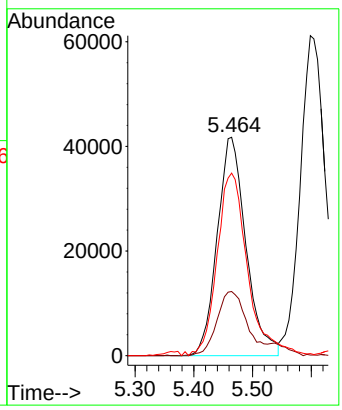
Tgt Ion: 56 Resp: 14193

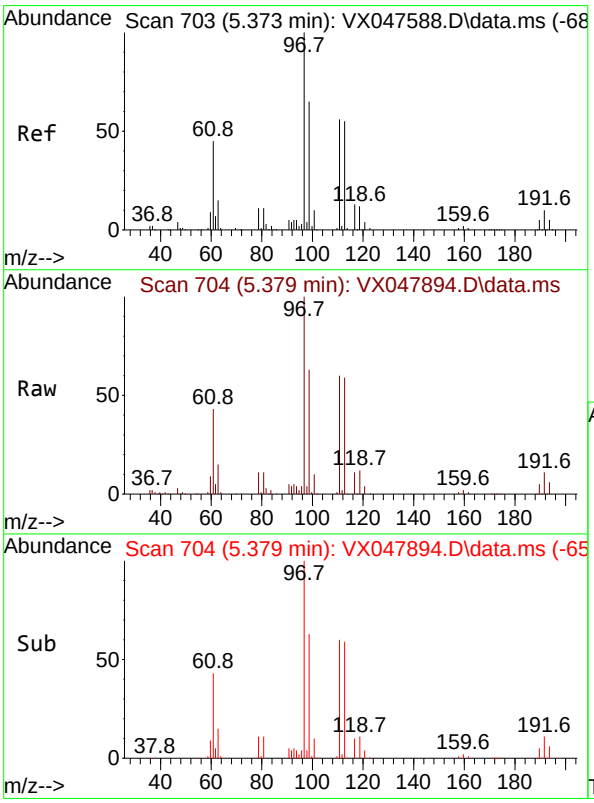
Ion	Ratio	Lower	Upper
56	100		
69	28.9	23.8	35.8
84	81.6	64.6	97.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

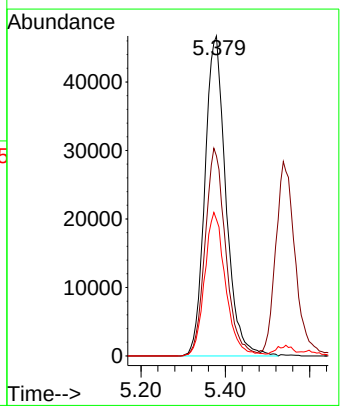


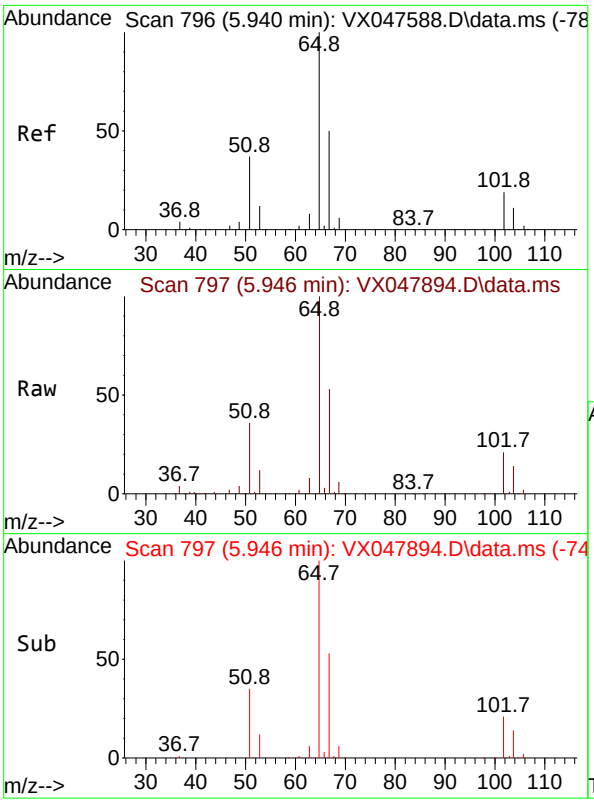


#32
1,1,1-Trichloroethane
Concen: 52.589 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 97 Resp: 161369

Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.6	76.0
61	44.9	35.8	53.8

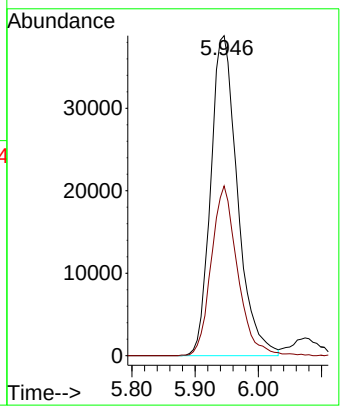




#33
1,2-Dichloroethane-d4
Concen: 50.475 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 65 Resp: 11389

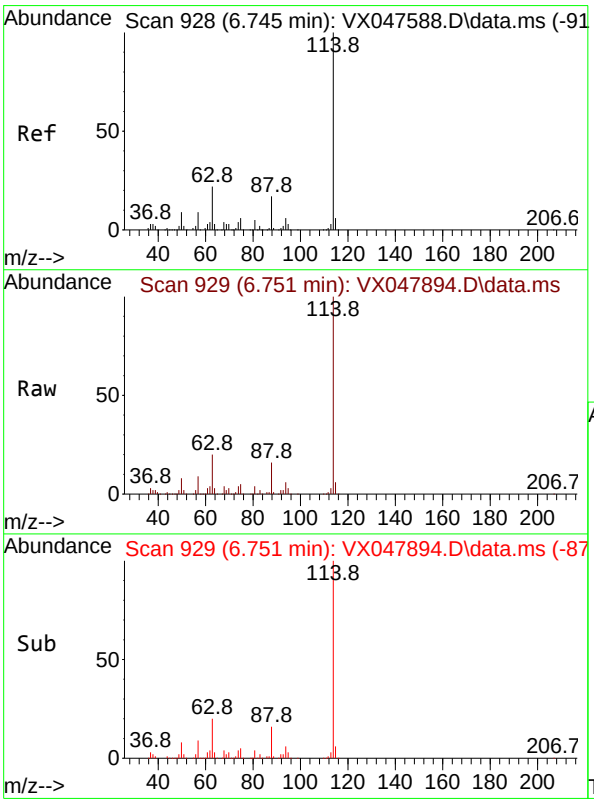
Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

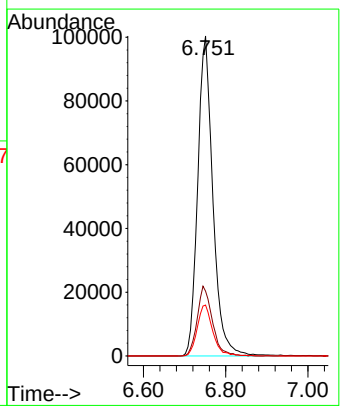
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

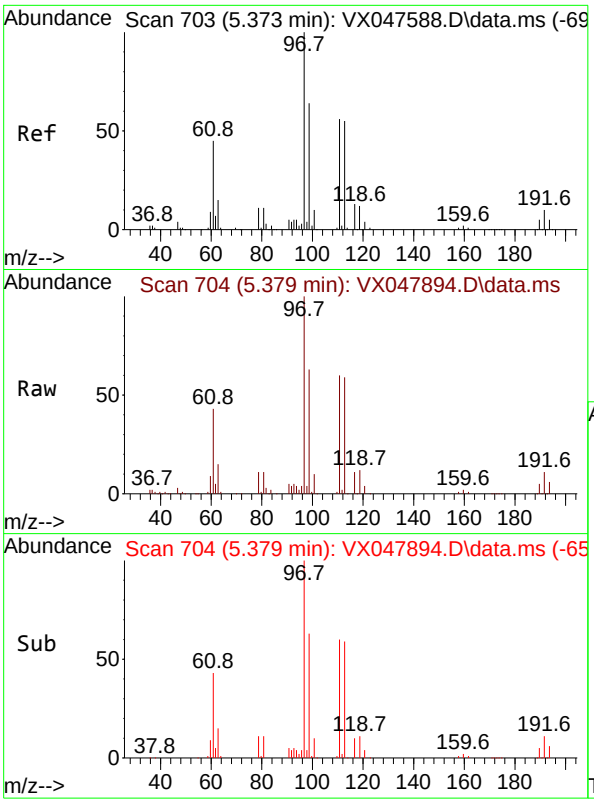


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:114 Resp: 256996

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	44.0
88	15.9	0.0	34.2

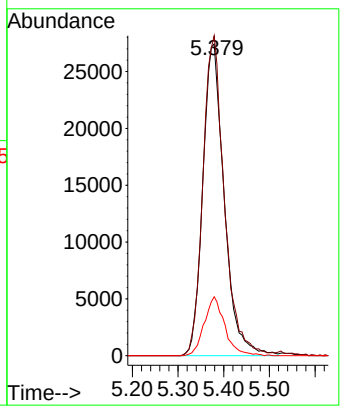




#35
Dibromofluoromethane
Concen: 51.828 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:113 Resp: 8932

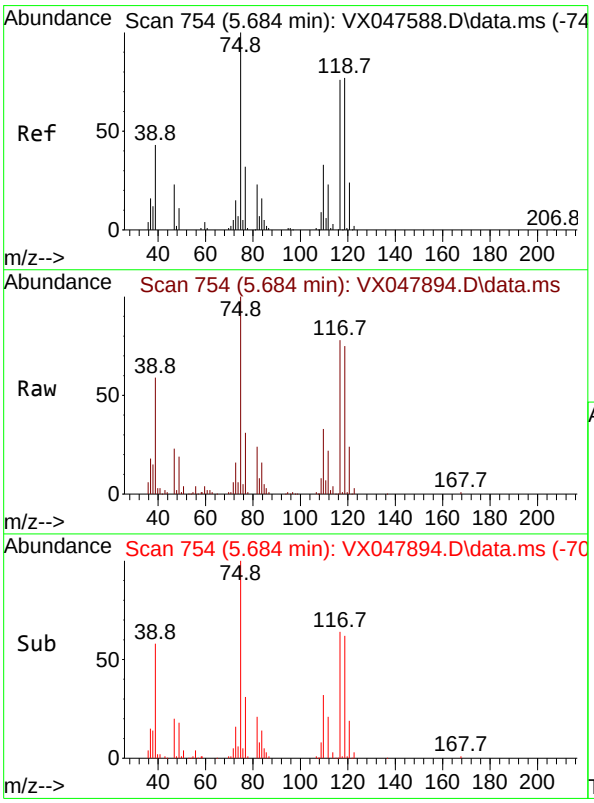
Ion	Ratio	Lower	Upper
113	100		
111	102.1	80.9	121.3
192	18.1	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

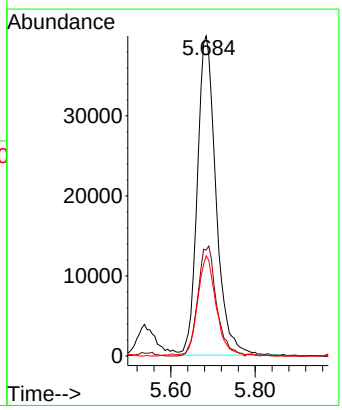
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

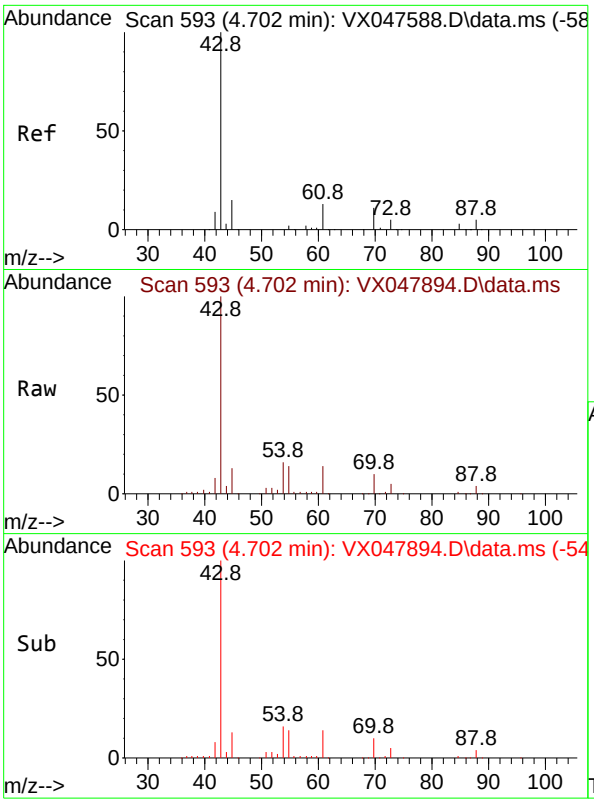


#36
1,1-Dichloropropene
Concen: 48.775 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 75 Resp: 122842

Ion	Ratio	Lower	Upper
75	100		
110	34.5	16.7	50.1
77	31.2	24.3	36.5





#37
Ethyl Acetate
Concen: 51.710 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

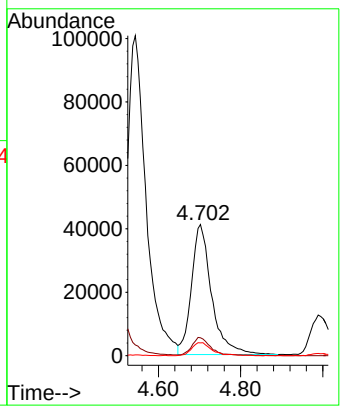
Tgt Ion: 43 Resp: 13944

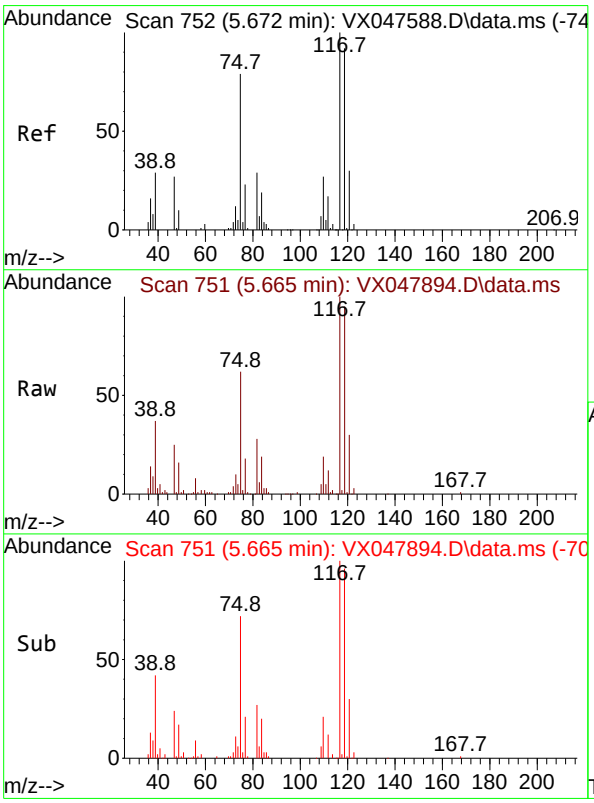
Ion	Ratio	Lower	Upper
43	100		
61	13.5	9.8	14.8
70	9.5	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

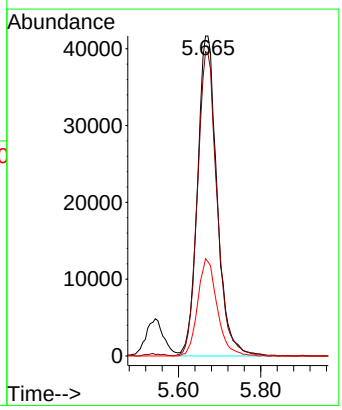


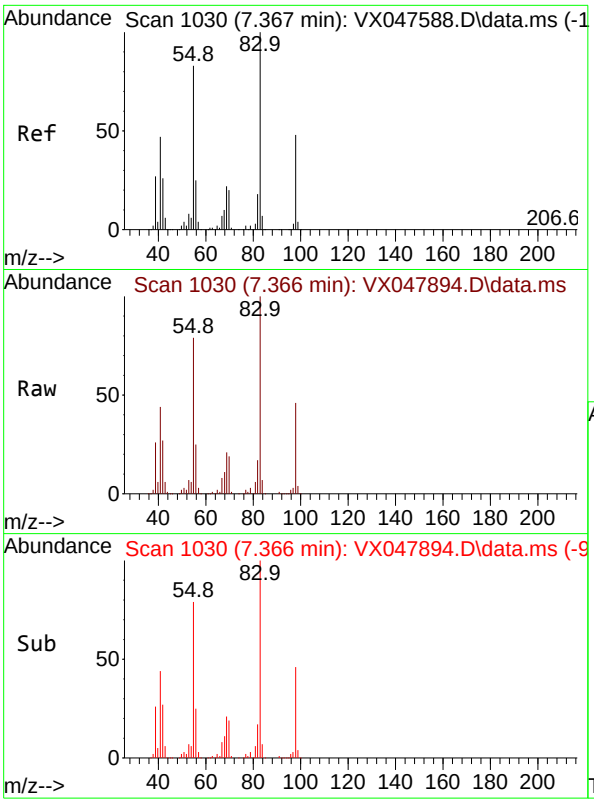


#38
Carbon Tetrachloride
Concen: 50.268 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:117 Resp: 137555

Ion	Ratio	Lower	Upper
117	100		
119	95.1	73.4	110.2
121	30.4	23.8	35.6





#39
Methylcyclohexane
Concen: 47.152 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

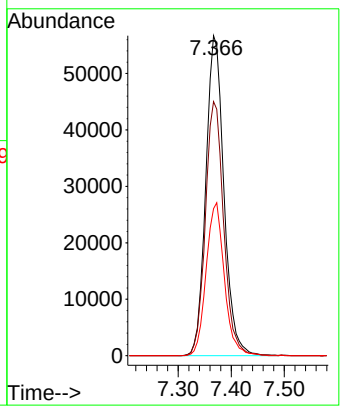
Tgt Ion: 83 Resp: 13480

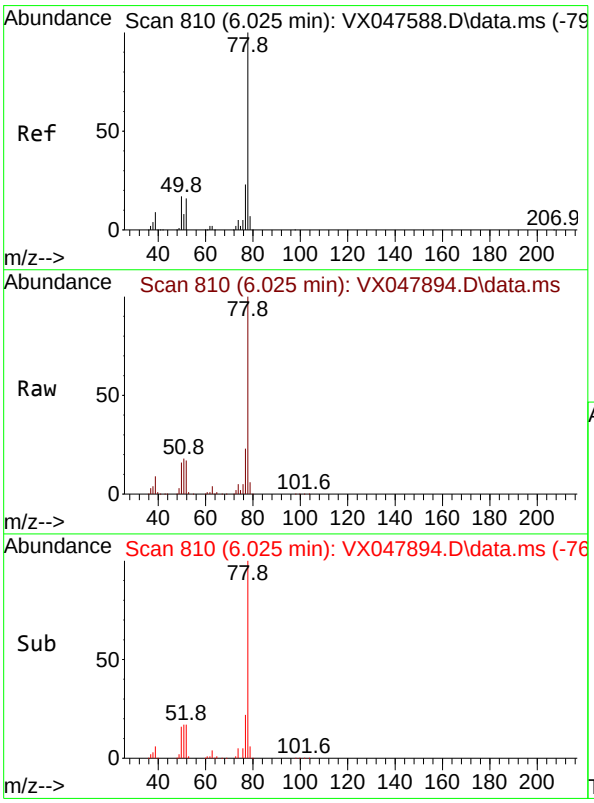
Ion	Ratio	Lower	Upper
83	100		
55	79.4	66.4	99.6
98	46.0	38.1	57.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

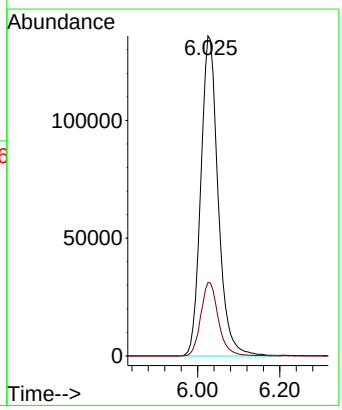


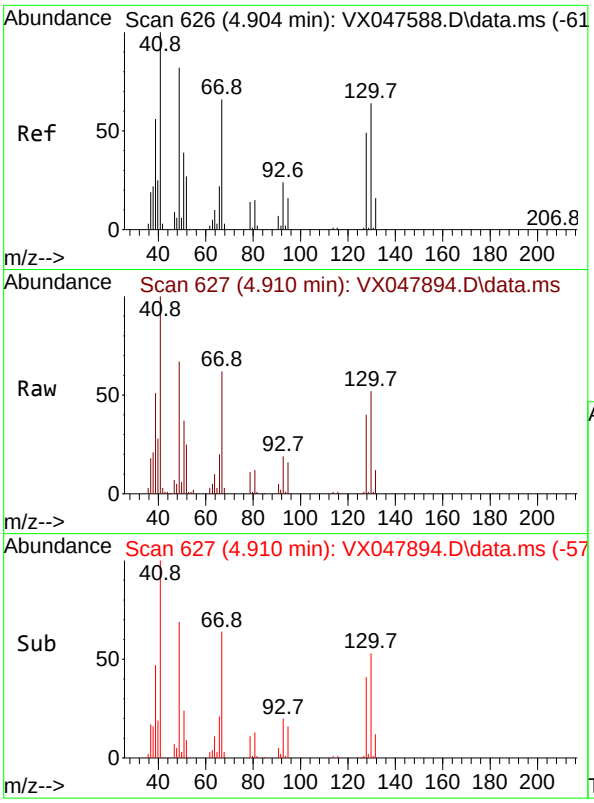


#40
Benzene
Concen: 51.894 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 78 Resp: 396956

Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.8	28.2

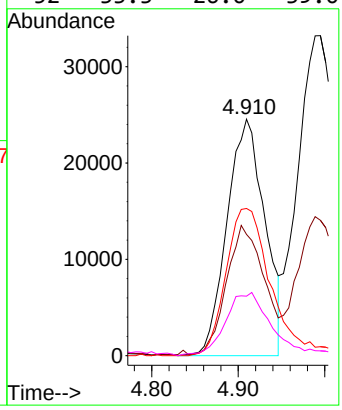




#41
Methacrylonitrile
Concen: 53.601 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 41 Resp: 7462

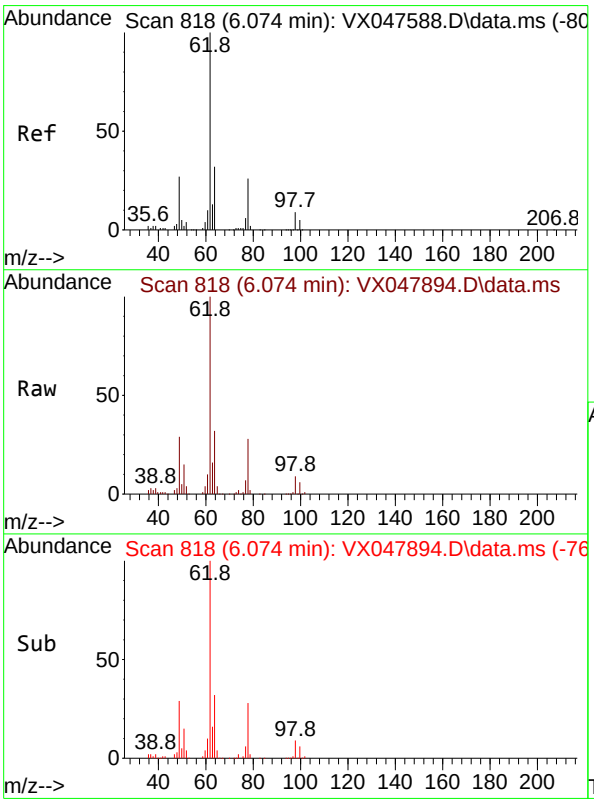
Ion	Ratio	Lower	Upper
41	100		
39	53.7	43.3	64.9
67	73.8	58.6	87.8
52	33.3	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

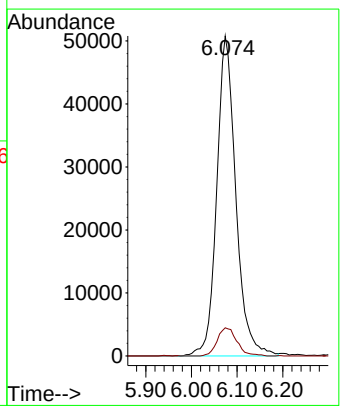
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

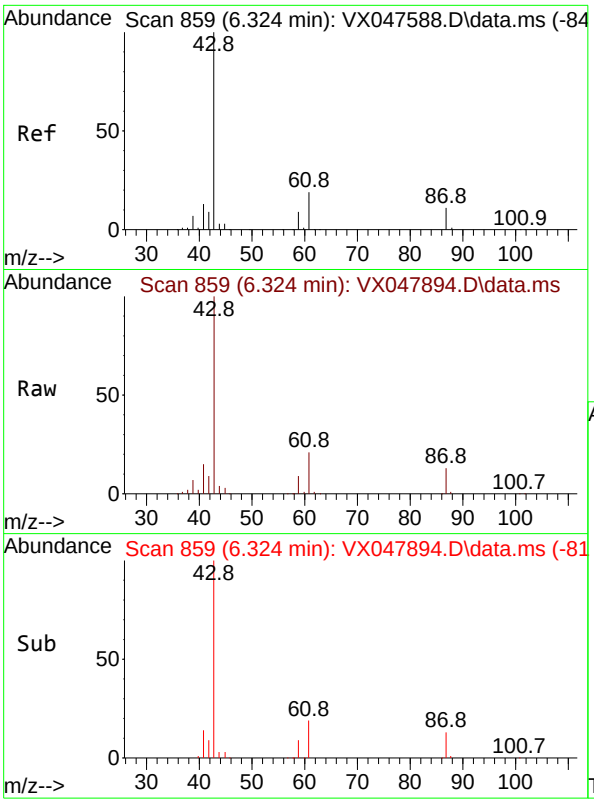


#42
1,2-Dichloroethane
Concen: 50.606 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 62 Resp: 147288

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.0





#43
Isopropyl Acetate
Concen: 50.730 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

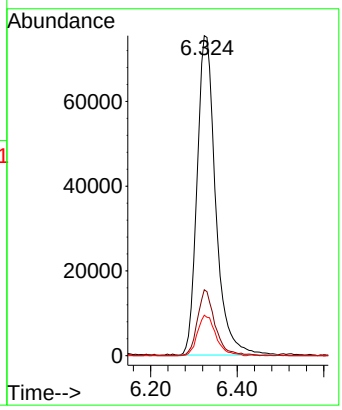
Tgt Ion: 43 Resp: 22435

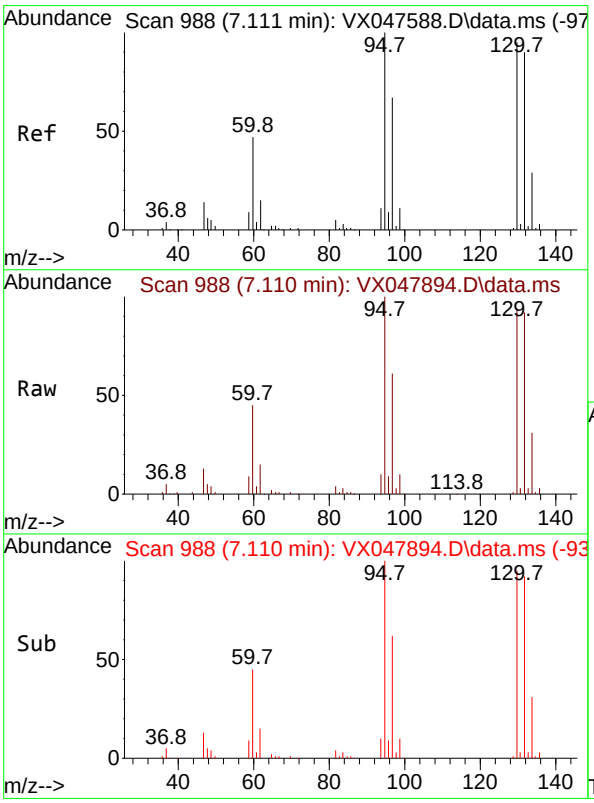
Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.2	22.8
87	12.6	9.6	14.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

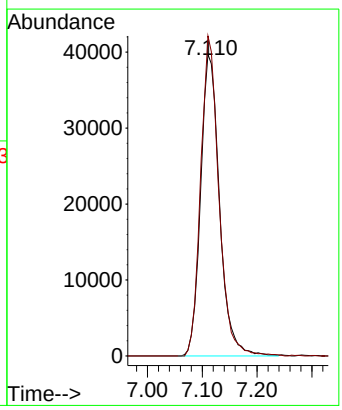


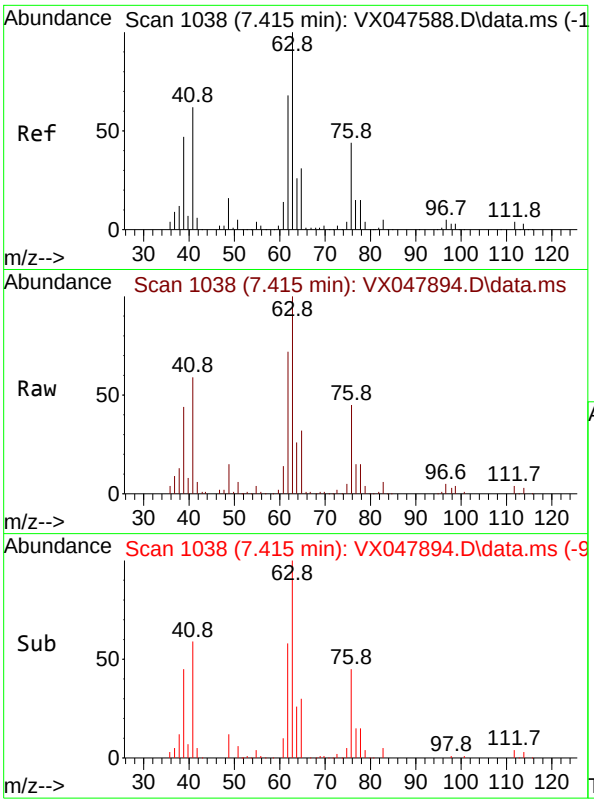


#44
Trichloroethene
Concen: 51.403 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:130 Resp: 95061

Ion	Ratio	Lower	Upper
130	100		
95	106.1	0.0	210.8





#45
1,2-Dichloropropane
Concen: 53.058 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

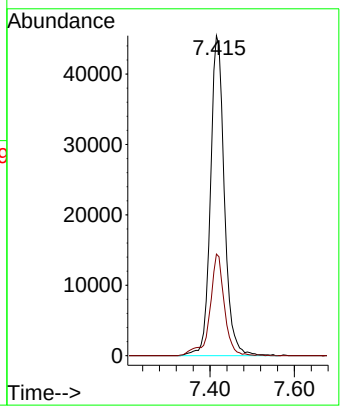
Tgt Ion: 63 Resp: 10392

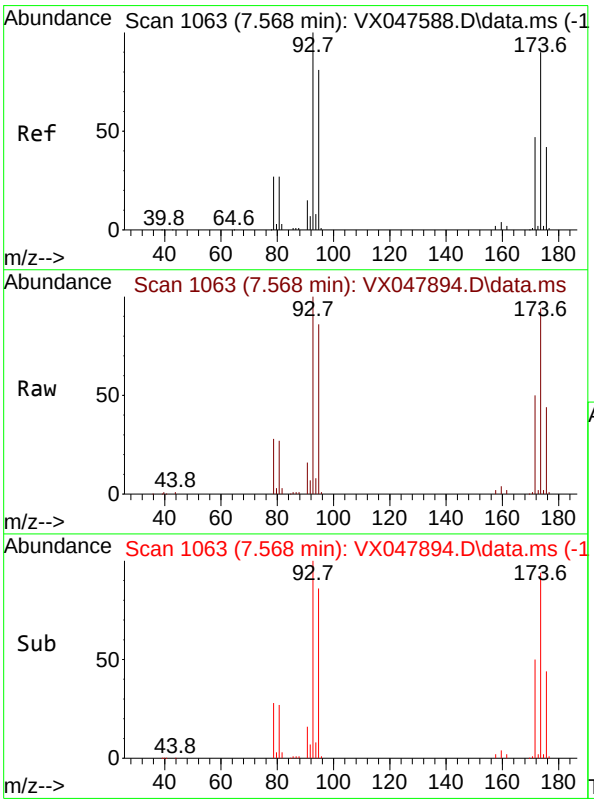
Ion	Ratio	Lower	Upper
63	100		
65	31.8	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

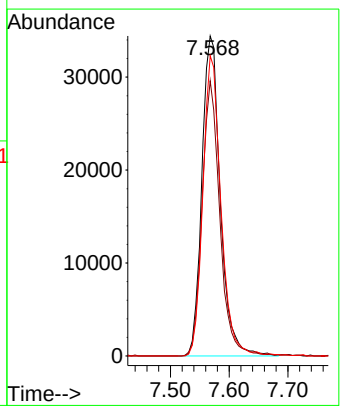


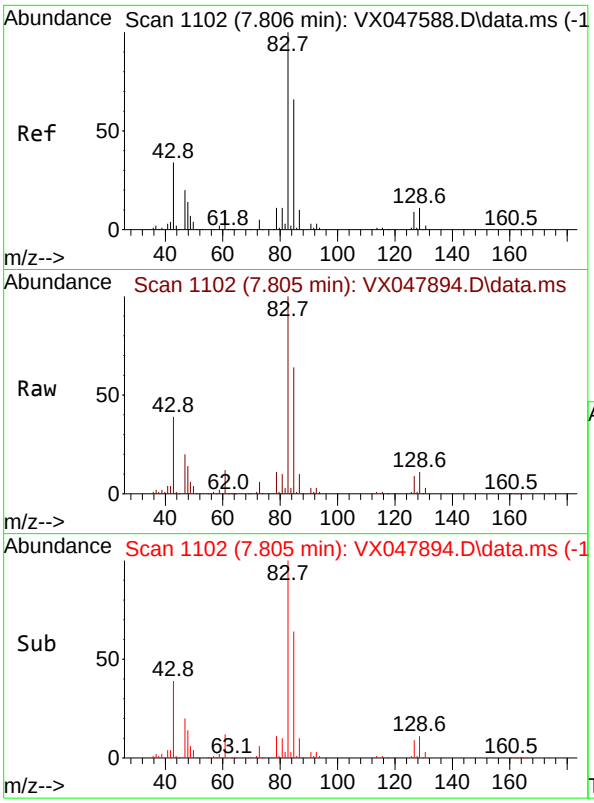


#46
Dibromomethane
Concen: 52.657 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 93 Resp: 75055

Ion	Ratio	Lower	Upper
93	100		
95	82.7	65.0	97.6
174	92.1	71.6	107.4

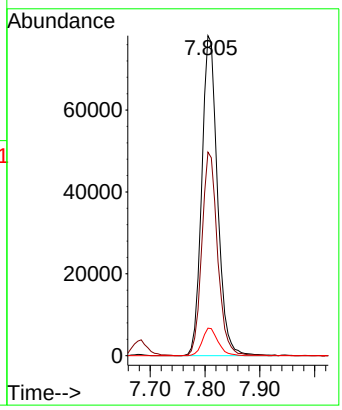




#47
Bromodichloromethane
Concen: 52.847 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 83 Resp: 15544

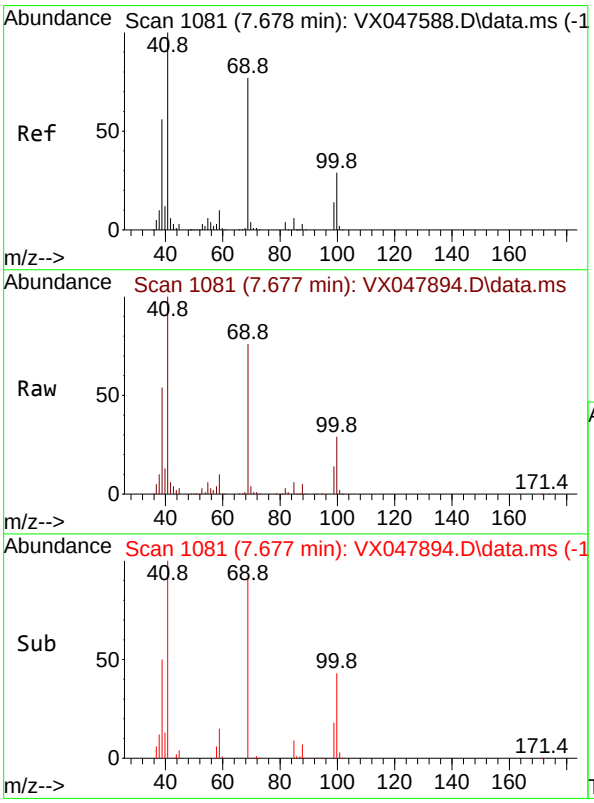
Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.5	78.7
127	8.6	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

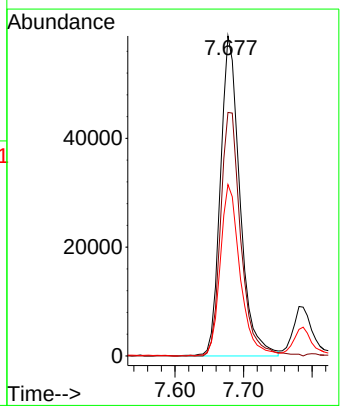
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

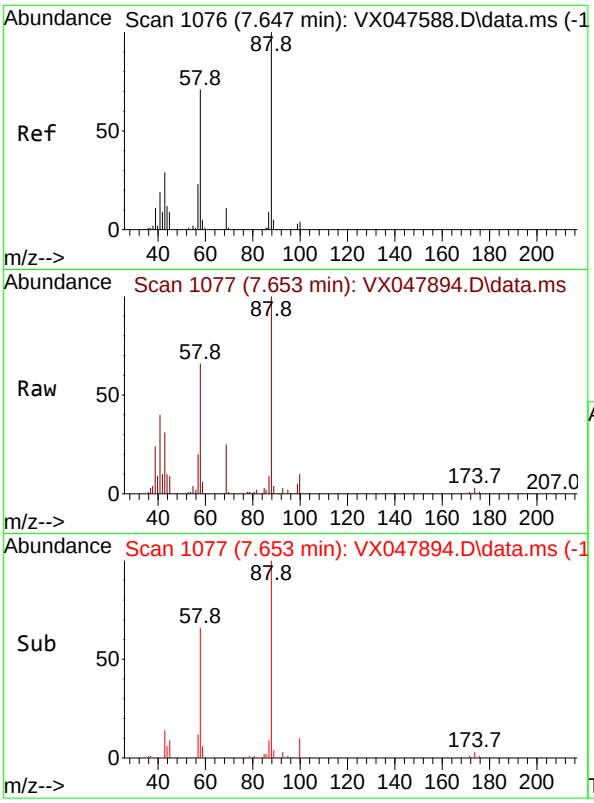


#48
Methyl methacrylate
Concen: 52.710 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 41 Resp: 116118

Ion	Ratio	Lower	Upper
41	100		
69	78.9	61.4	92.2
39	54.5	45.8	68.6

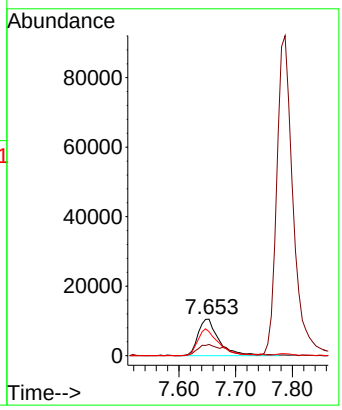




#49
1,4-Dioxane
Concen: 1221.341 ug/l
RT: 7.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 88 Resp: 2719

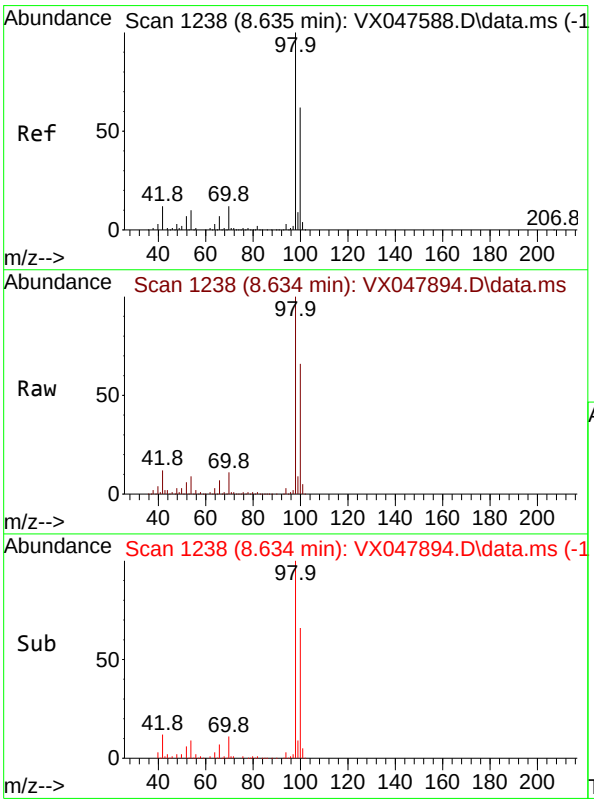
Ion	Ratio	Lower	Upper
88	100		
43	40.5	30.2	45.2
58	72.9	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

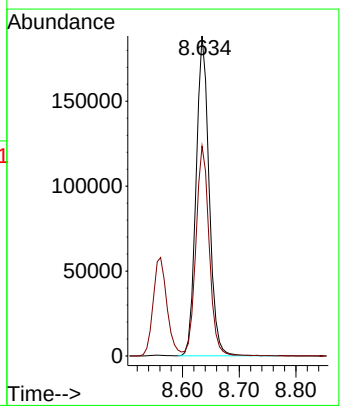
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

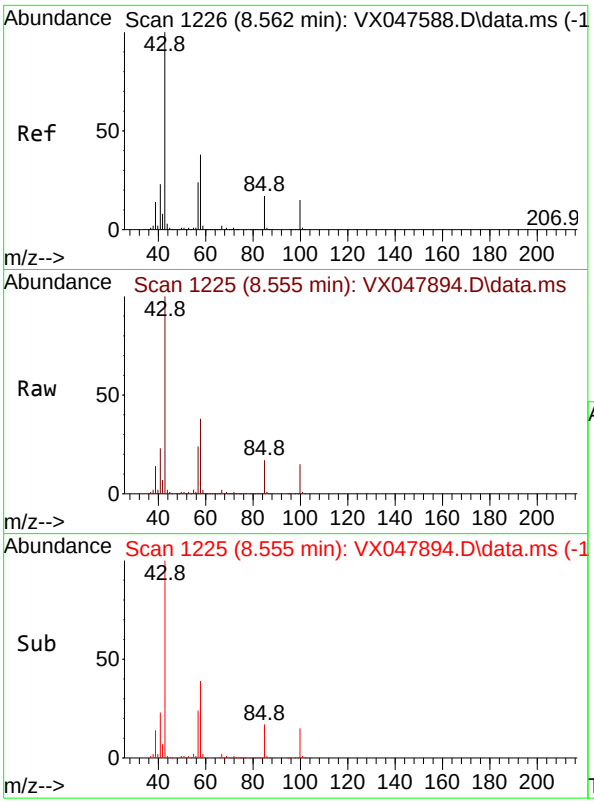


#50
Toluene-d8
Concen: 50.315 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 98 Resp: 300072

Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.0	79.4

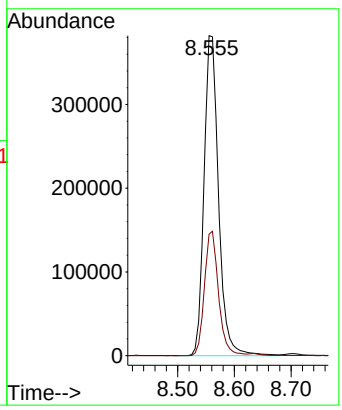




#51
4-Methyl-2-Pentanone
Concen: 277.112 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 43 Resp: 67950

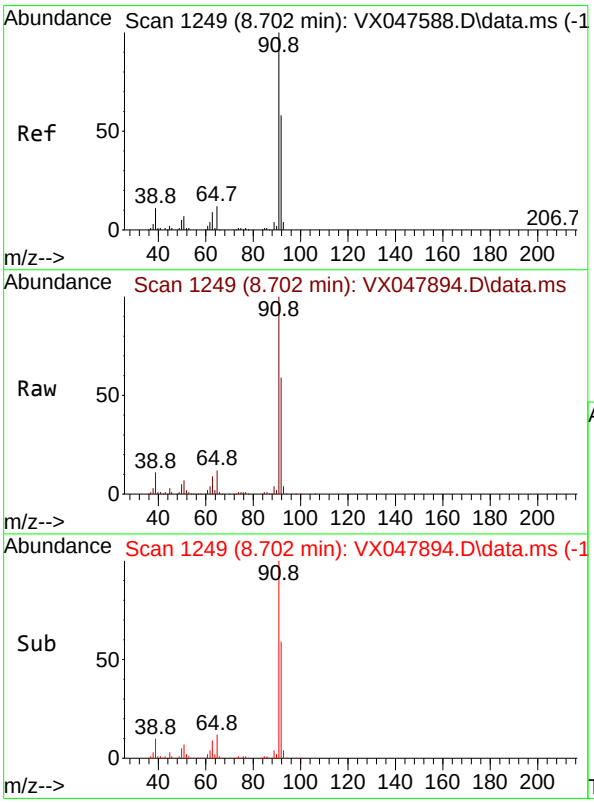
Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

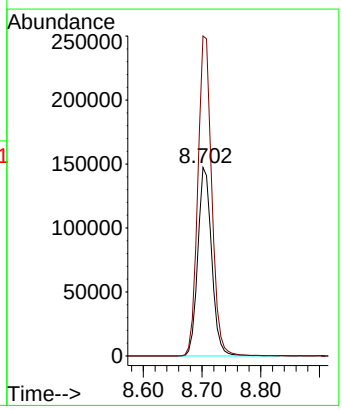
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

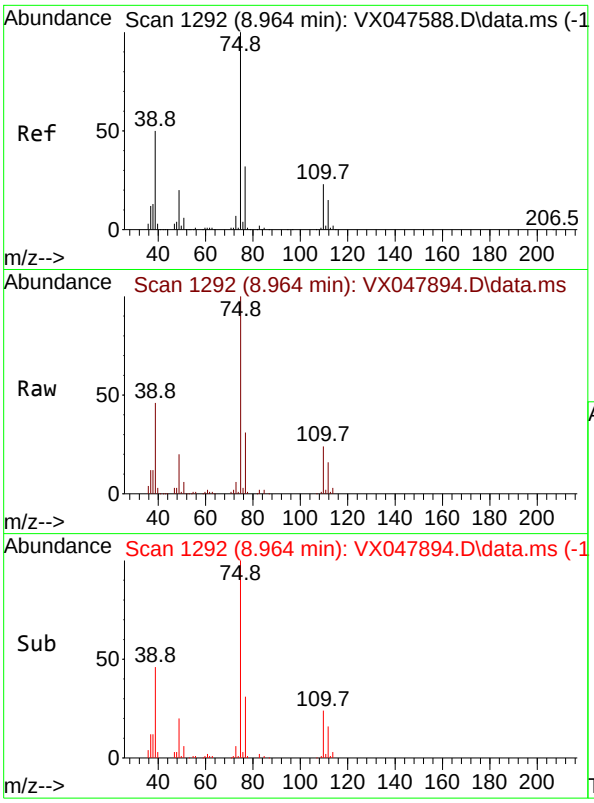


#52
Toluene
Concen: 51.265 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 92 Resp: 241599

Ion	Ratio	Lower	Upper
92	100		
91	170.3	137.1	205.7

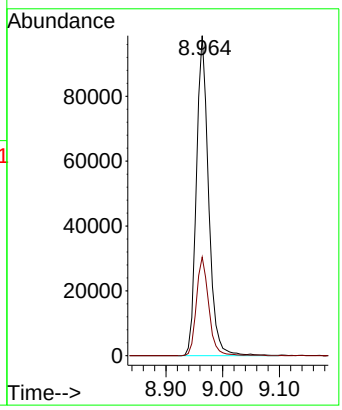




#53
t-1,3-Dichloropropene
Concen: 49.069 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 75 Resp: 14721

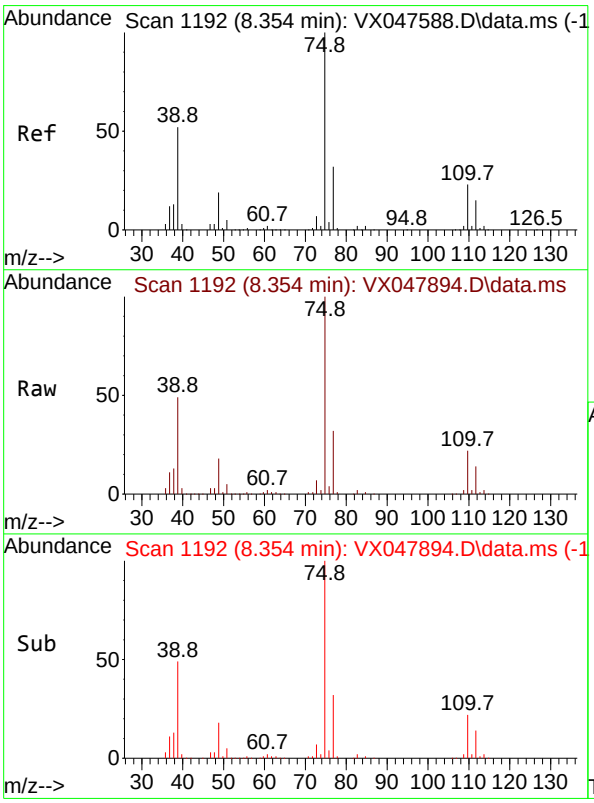
Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

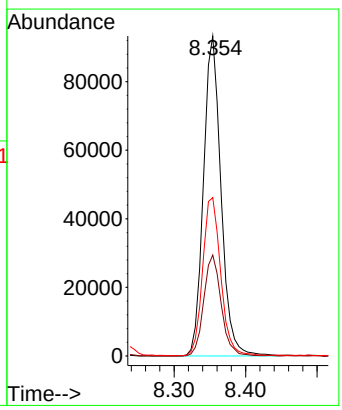
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

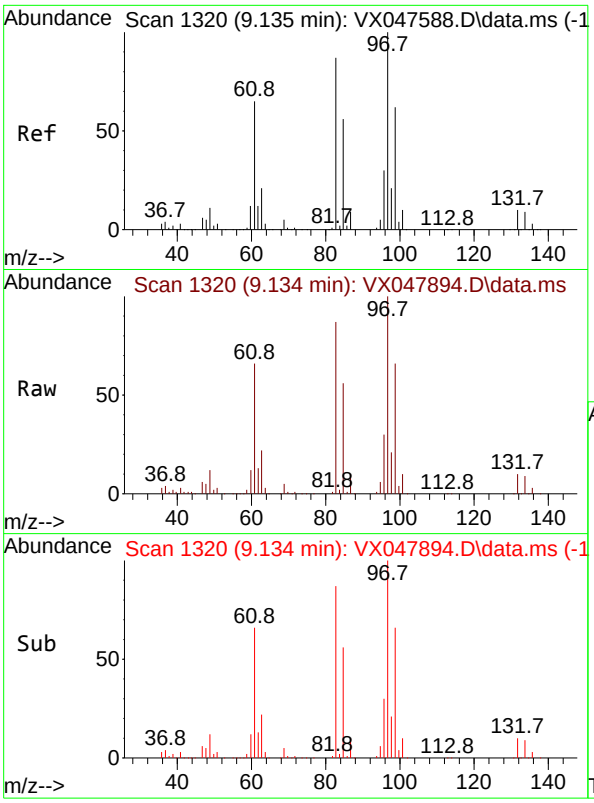


#54
cis-1,3-Dichloropropene
Concen: 49.614 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 75 Resp: 159099

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.8	38.6
39	49.4	41.4	62.2

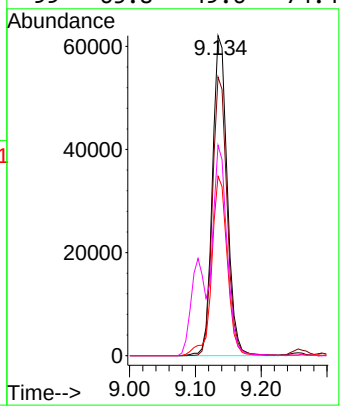




#55
1,1,2-Trichloroethane
Concen: 53.747 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 97 Resp: 9767

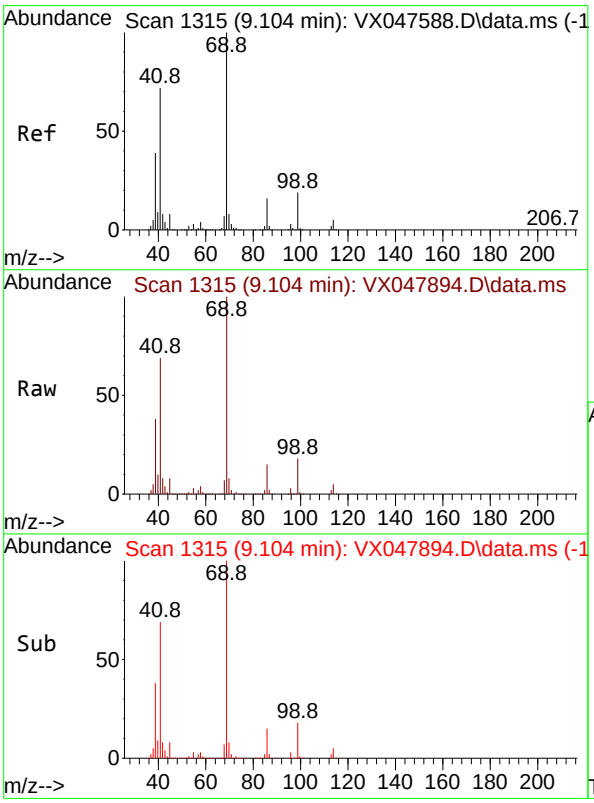
Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.6	104.4
85	56.1	45.0	67.6
99	65.8	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

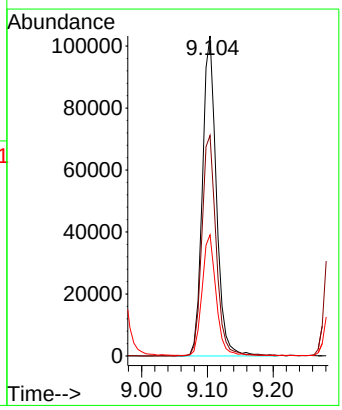
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

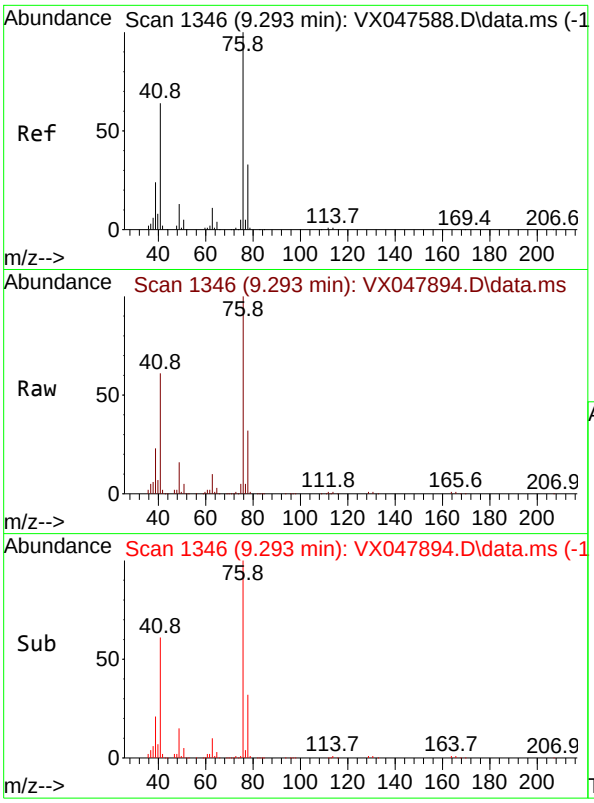


#56
Ethyl methacrylate
Concen: 53.369 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 69 Resp: 152310

Ion	Ratio	Lower	Upper
69	100		
41	70.6	58.6	87.8
39	38.1	31.5	47.3





#57
1,3-Dichloropropane
Concen: 54.003 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

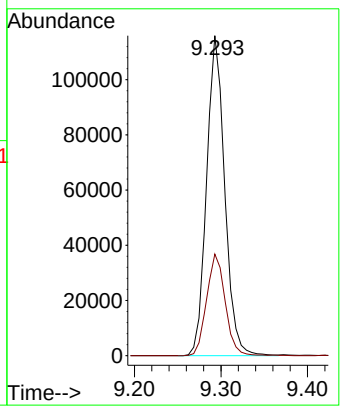
Tgt Ion: 76 Resp: 16858

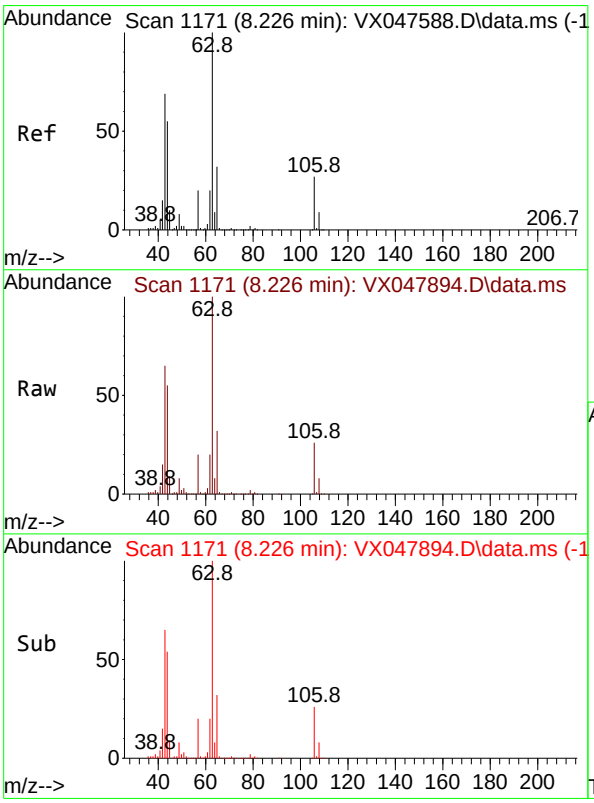
Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.2	39.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

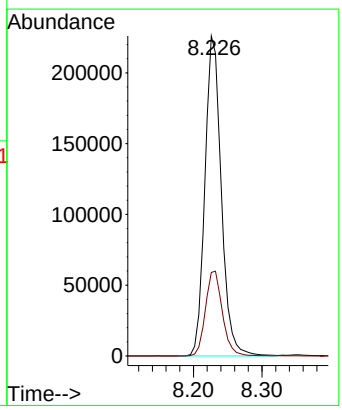


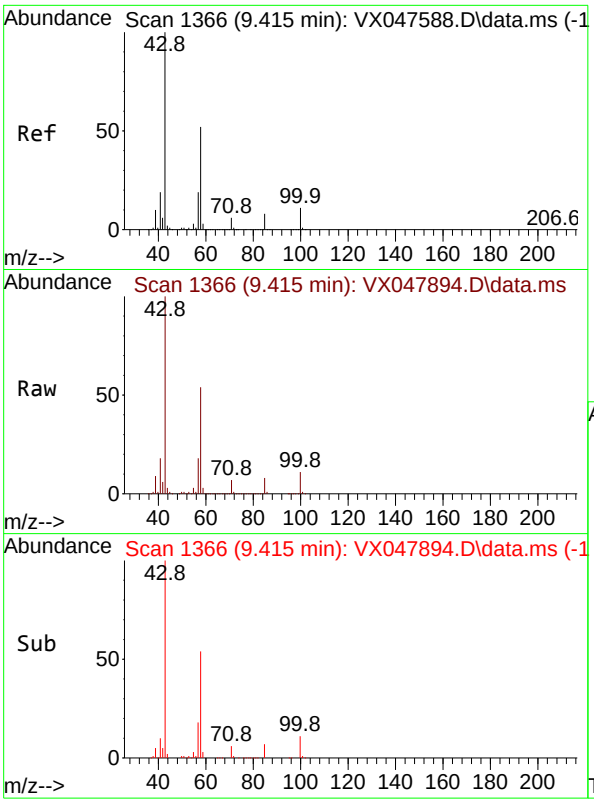


#58
2-Chloroethyl Vinyl ether
Concen: 274.070 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 63 Resp: 376121

Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.9	32.9





#59
2-Hexanone
Concen: 264.369 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

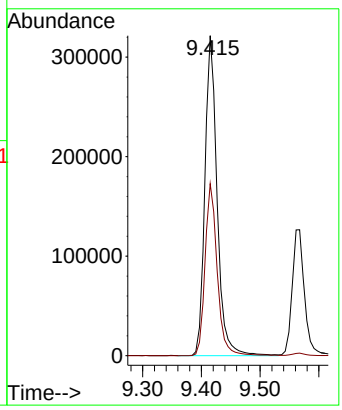
Tgt Ion: 43 Resp: 46558

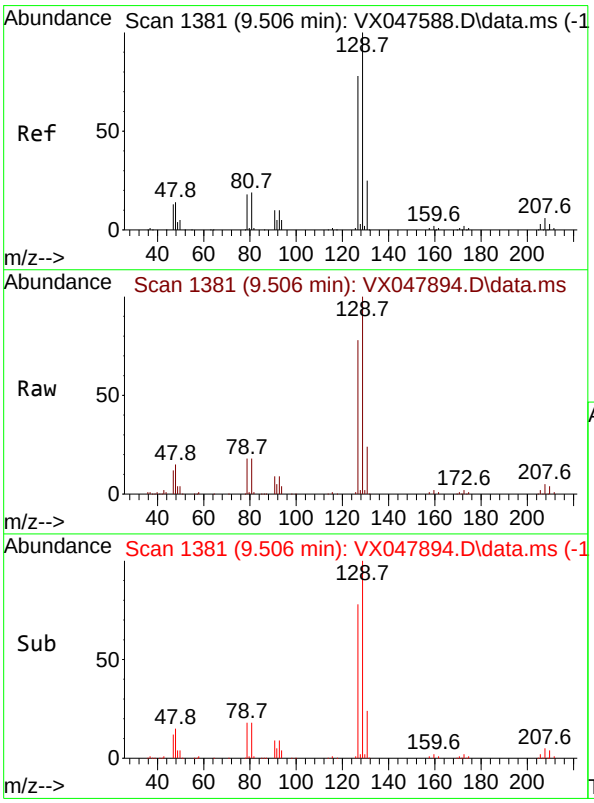
Ion	Ratio	Lower	Upper
43	100		
58	53.4	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

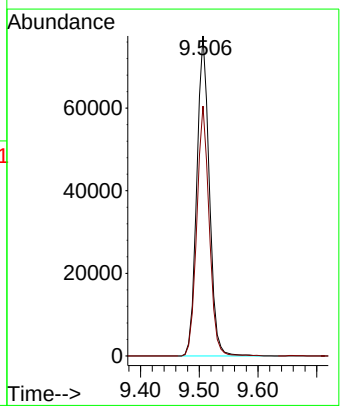


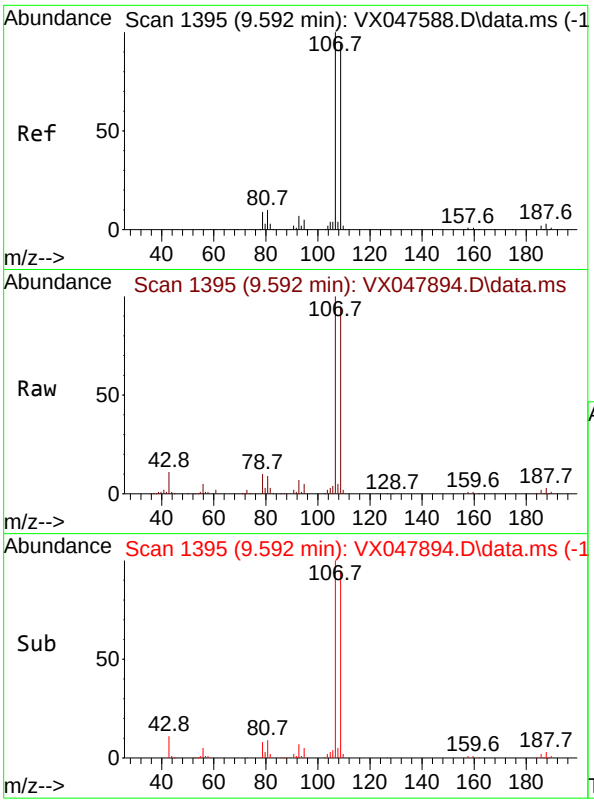


#60
Dibromochloromethane
Concen: 54.812 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:129 Resp: 114768

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.4	115.2





#61
1,2-Dibromoethane
Concen: 54.796 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

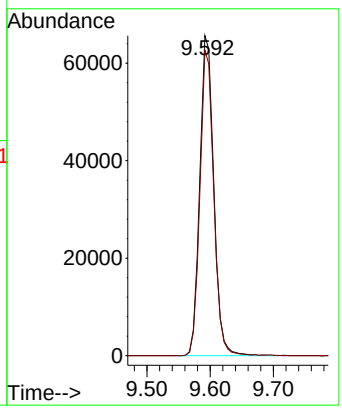
Tgt Ion:107 Resp: 10142

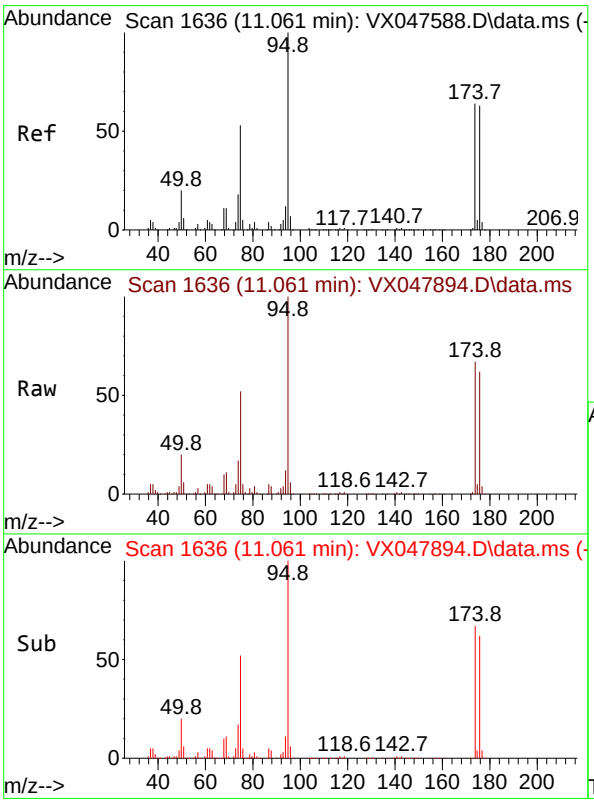
Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.3	112.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

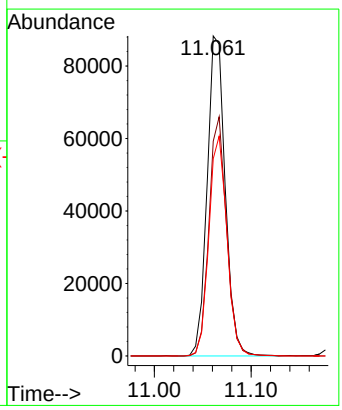


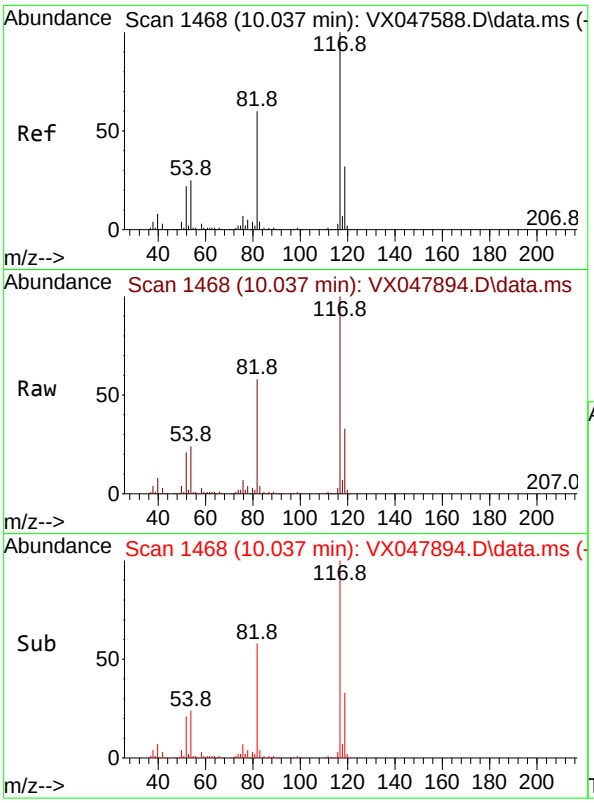


#62
4-Bromofluorobenzene
Concen: 50.750 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 95 Resp: 114868

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	141.6
176	68.7	0.0	138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

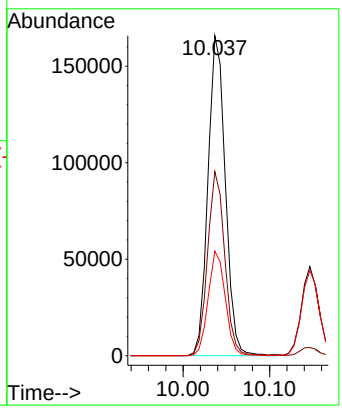
Tgt Ion:117 Resp: 23093

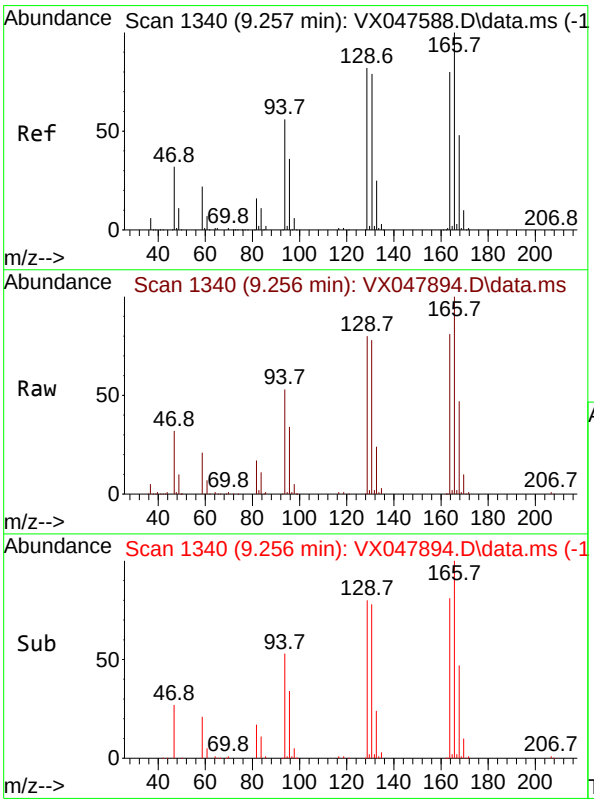
Ion	Ratio	Lower	Upper
117	100		
82	57.6	47.8	71.6
119	32.6	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

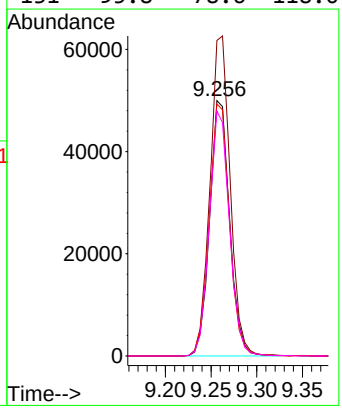


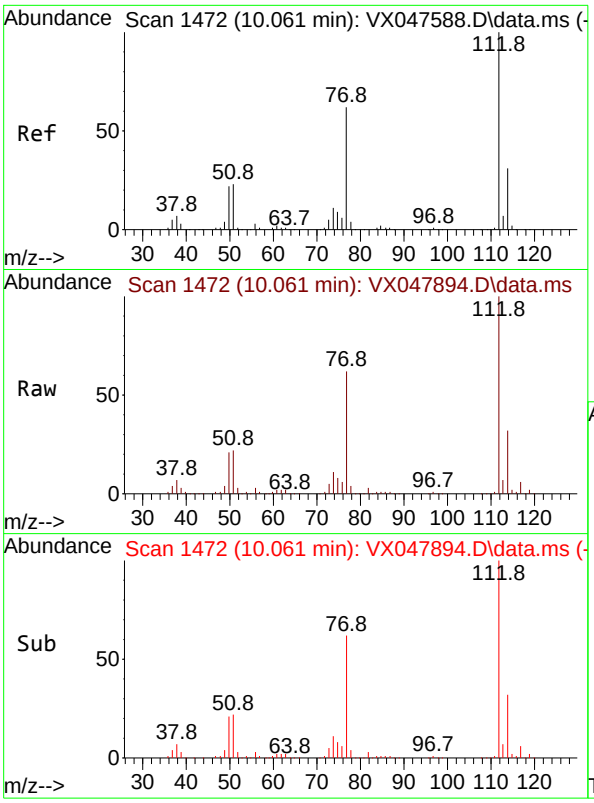


#64
Tetrachloroethene
Concen: 50.266 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:164 Resp: 75672

Ion	Ratio	Lower	Upper
164	100		
166	123.5	100.2	150.2
129	98.7	81.8	122.6
131	95.8	78.6	118.0

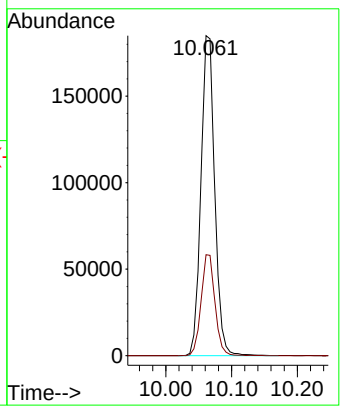




#65
Chlorobenzene
Concen: 51.242 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:112 Resp: 26883

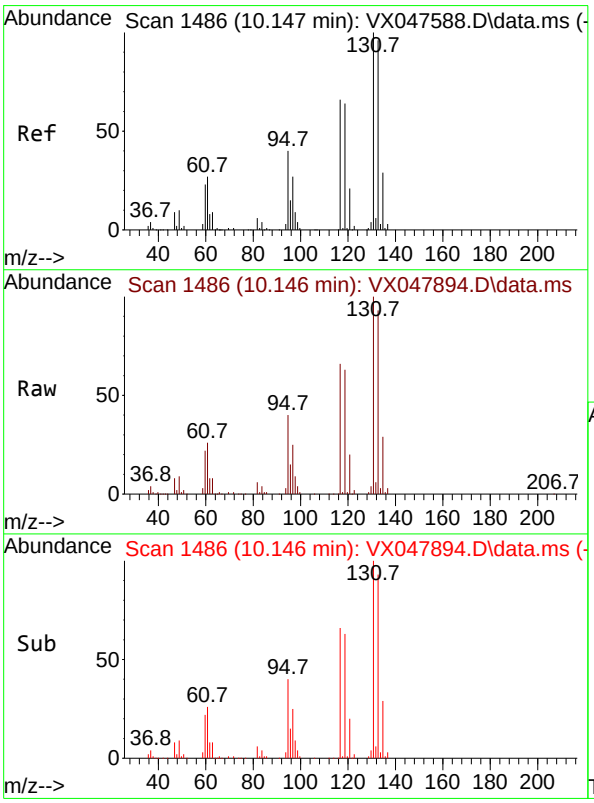
Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

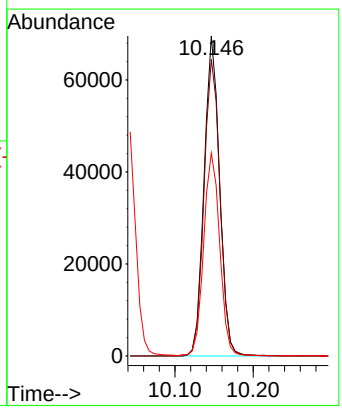
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

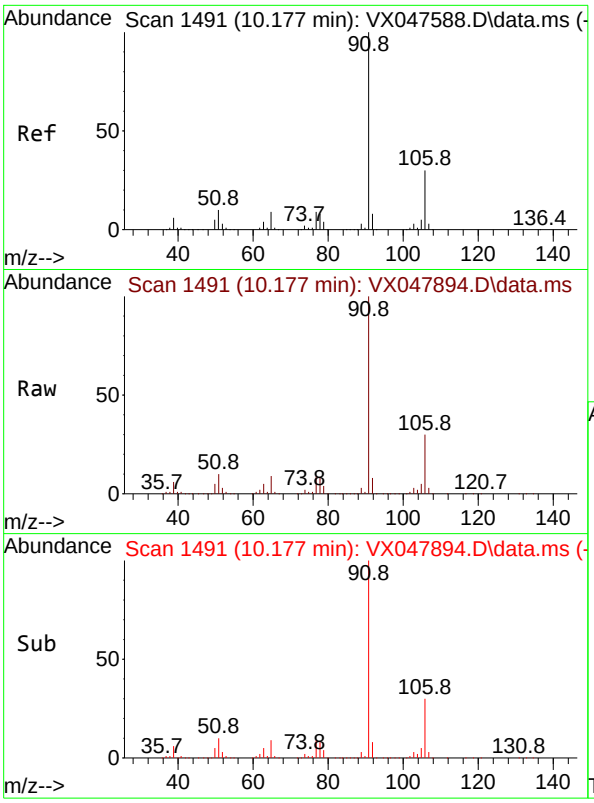


#66
1,1,1,2-Tetrachloroethane
Concen: 52.734 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:131 Resp: 95467

Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.3	142.0
119	65.6	32.0	96.0





#67
Ethyl Benzene
Concen: 50.050 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

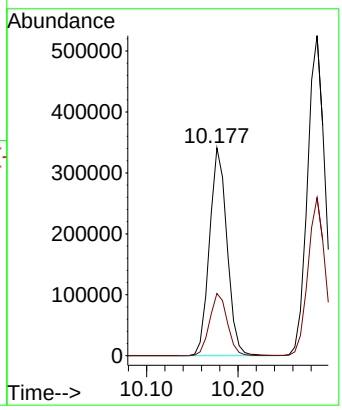
Tgt Ion: 91 Resp: 45305

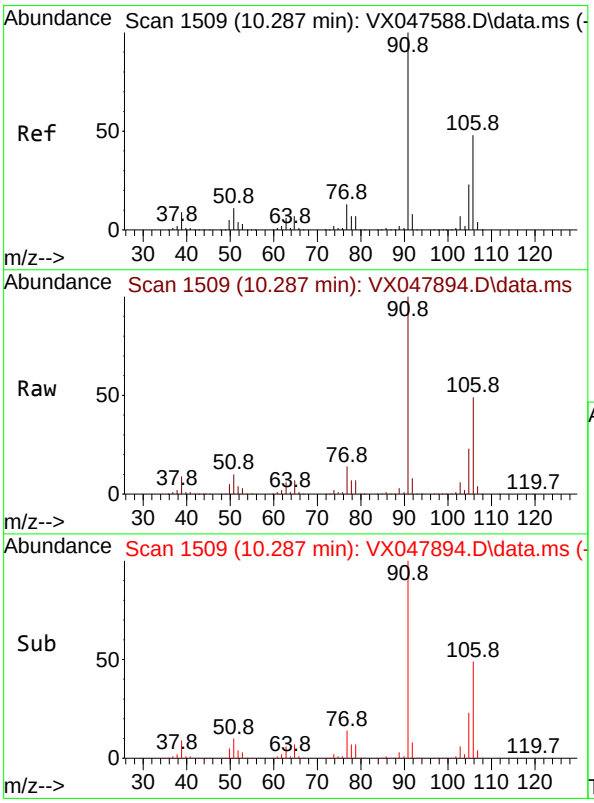
Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.3	36.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

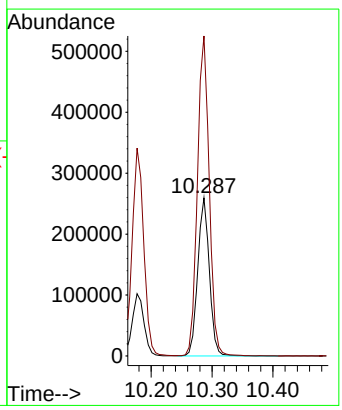


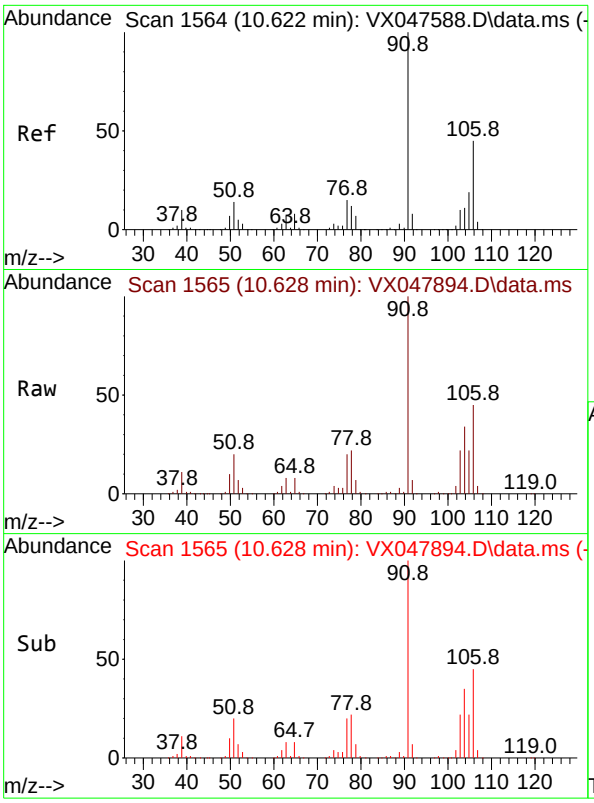


#68
m/p-Xylenes
Concen: 101.931 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:106 Resp: 343431

Ion	Ratio	Lower	Upper
106	100		
91	205.5	167.8	251.8





#69
o-Xylene
Concen: 51.015 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

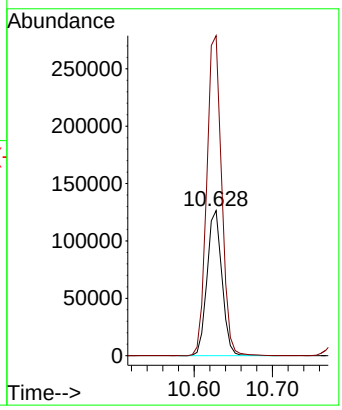
Tgt Ion:106 Resp: 16625

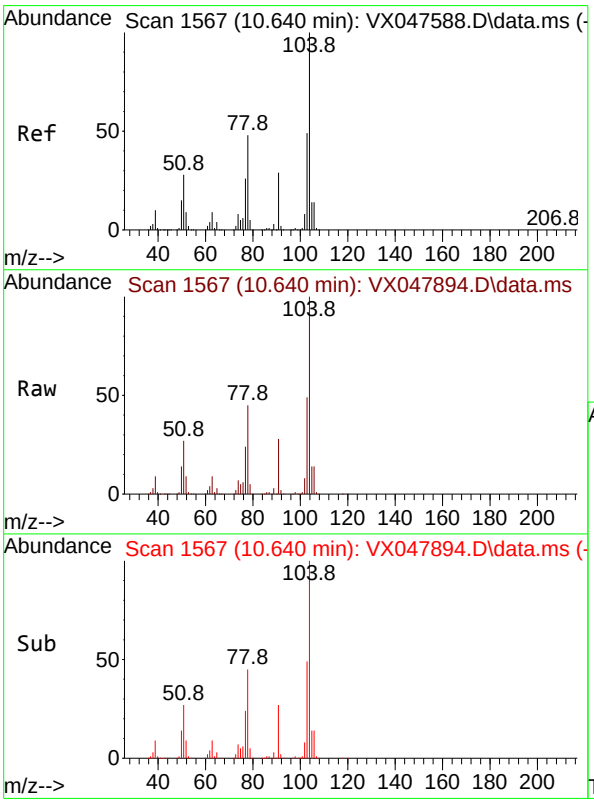
Ion	Ratio	Lower	Upper
106	100		
91	221.3	111.1	333.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

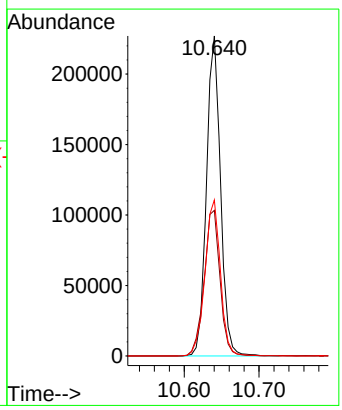


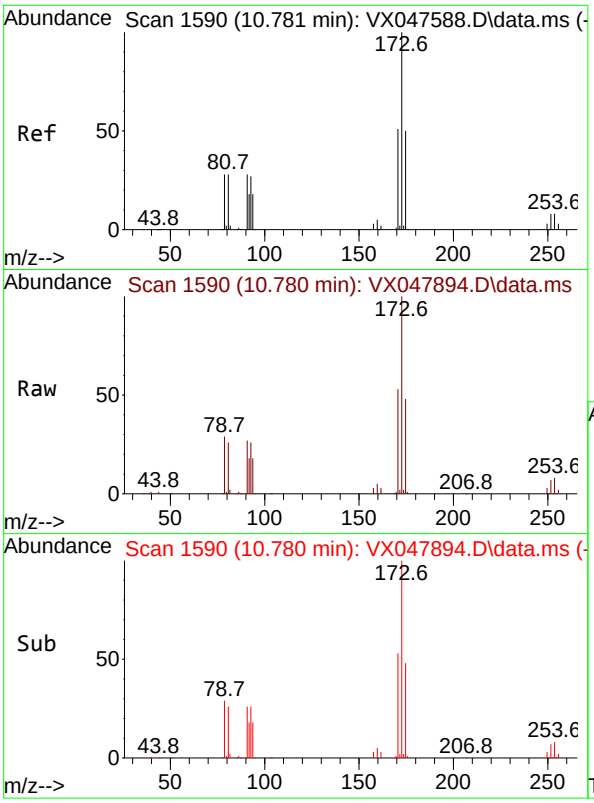


#70
Styrene
Concen: 51.849 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:104 Resp: 296064

Ion	Ratio	Lower	Upper
104	100		
78	51.7	43.1	64.7
103	53.8	43.1	64.7

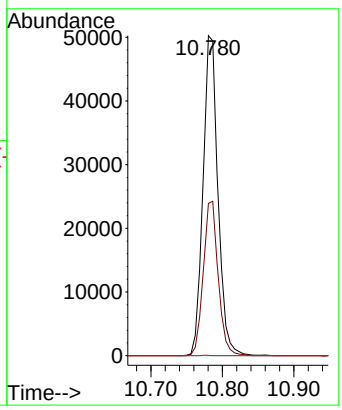




#71
Bromoform
Concen: 54.061 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:173 Resp: 7307

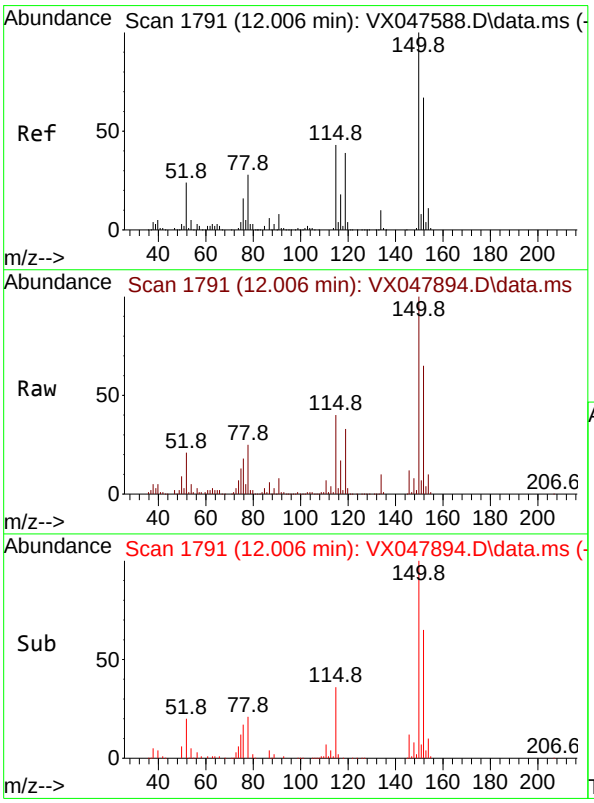
Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.9	74.6
254	0.1	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

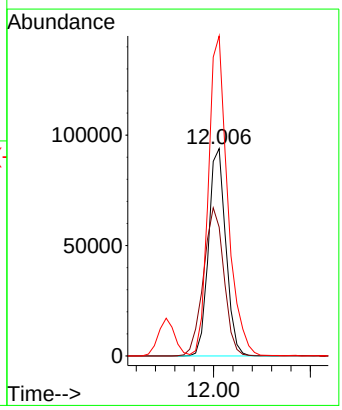
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

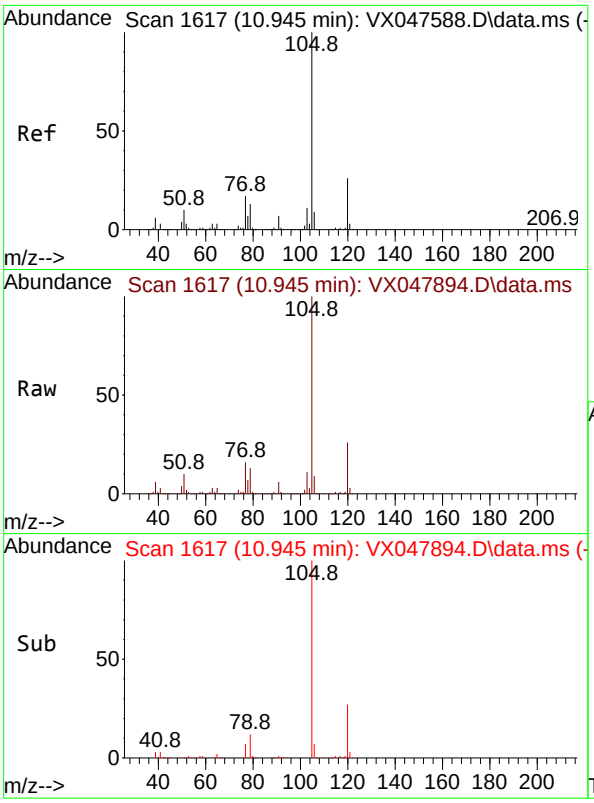


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:152 Resp: 116897

Ion	Ratio	Lower	Upper
152	100		
115	84.6	44.9	134.5
150	171.0	0.0	352.0

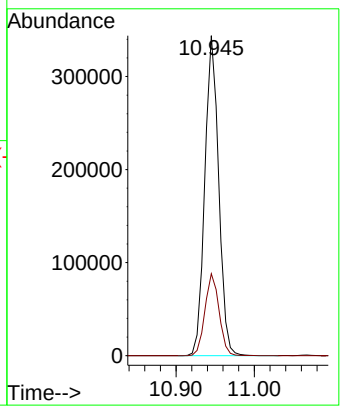




#73
Isopropylbenzene
Concen: 47.432 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:105 Resp: 42154

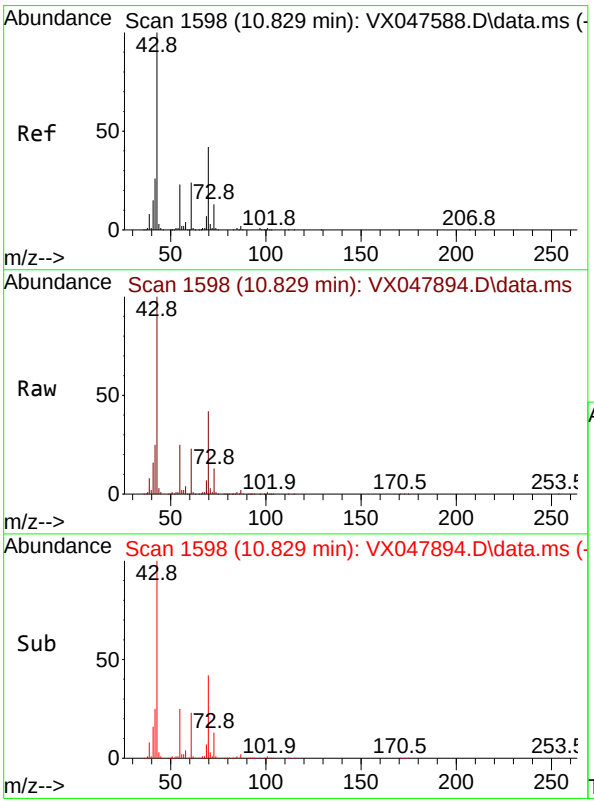
Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

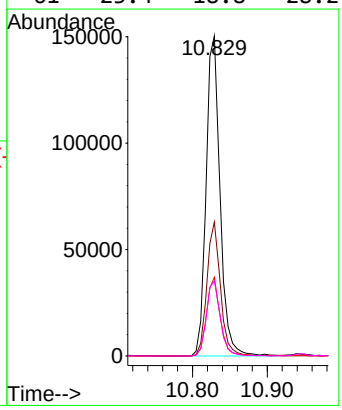
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

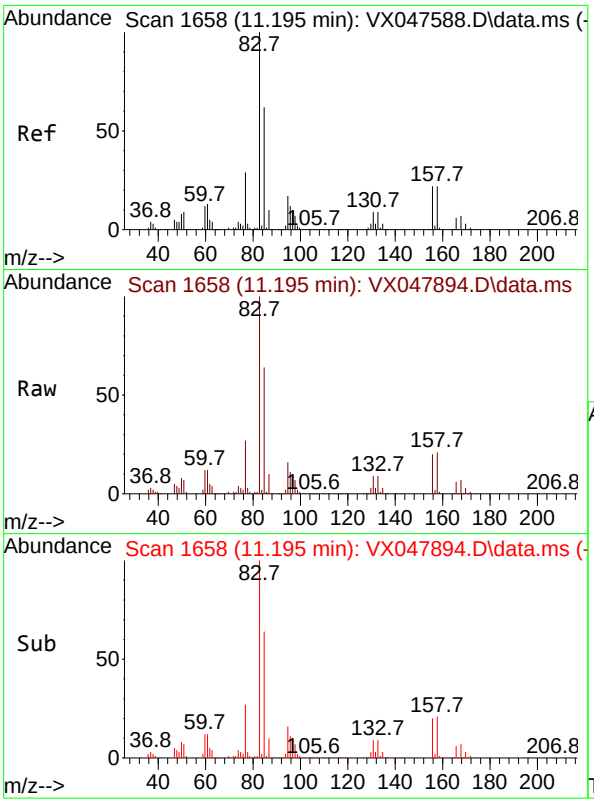


#74
N-amyl acetate
Concen: 48.033 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 43 Resp: 194666

Ion	Ratio	Lower	Upper
43	100		
70	40.9	32.0	48.0
55	24.0	18.9	28.3
61	23.4	18.8	28.2

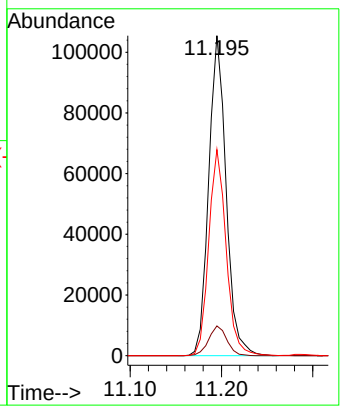




#75
1,1,2,2-Tetrachloroethane
Concen: 51.820 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 83 Resp: 13933

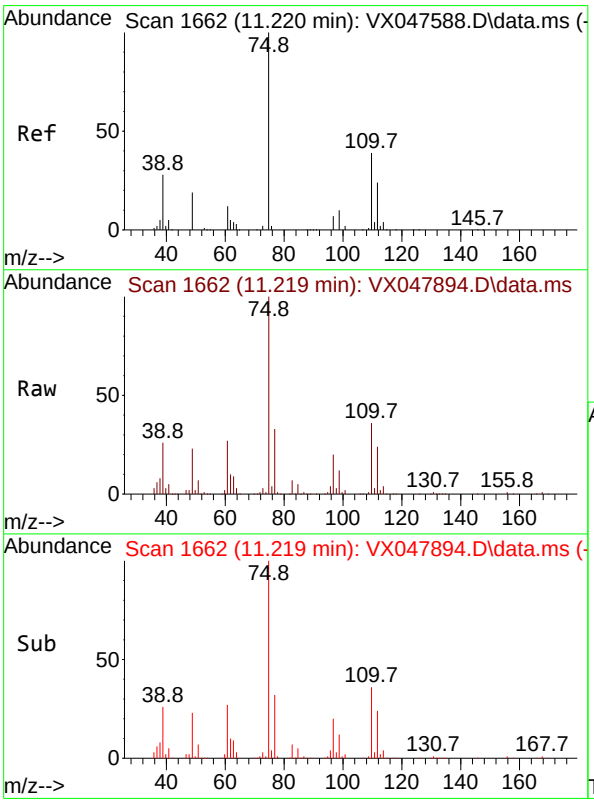
Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	64.5	31.6	95.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

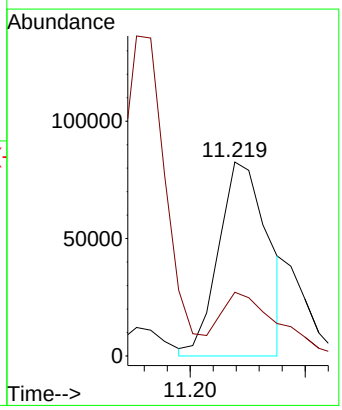
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

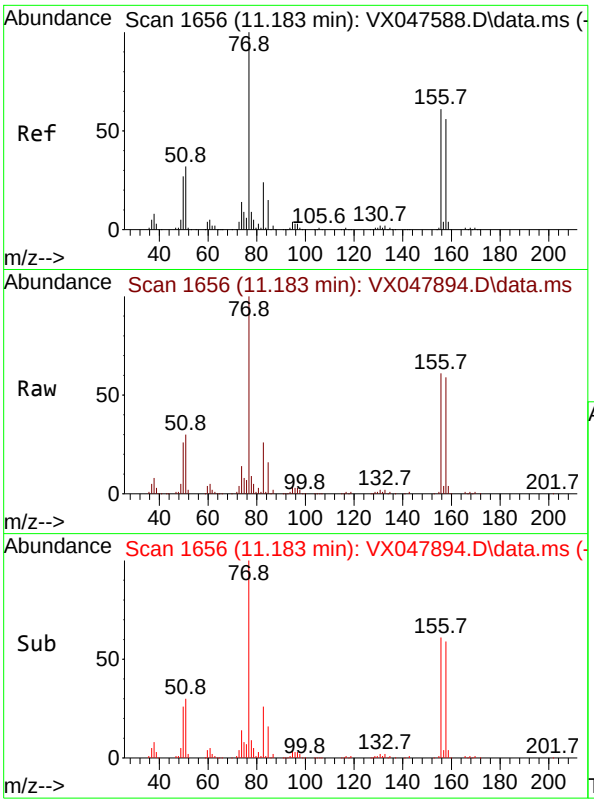


#76
1,2,3-Trichloropropane
Concen: 51.650 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 75 Resp: 122245

Ion	Ratio	Lower	Upper
75	100		
77	38.0	18.8	56.4





#77
Bromobenzene
Concen: 48.598 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

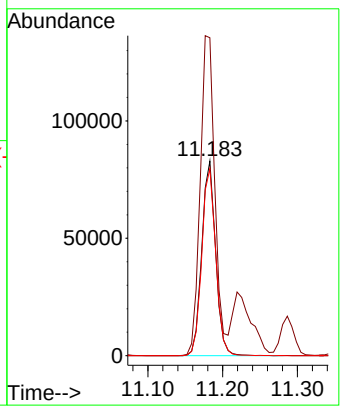
Tgt Ion:156 Resp: 10637

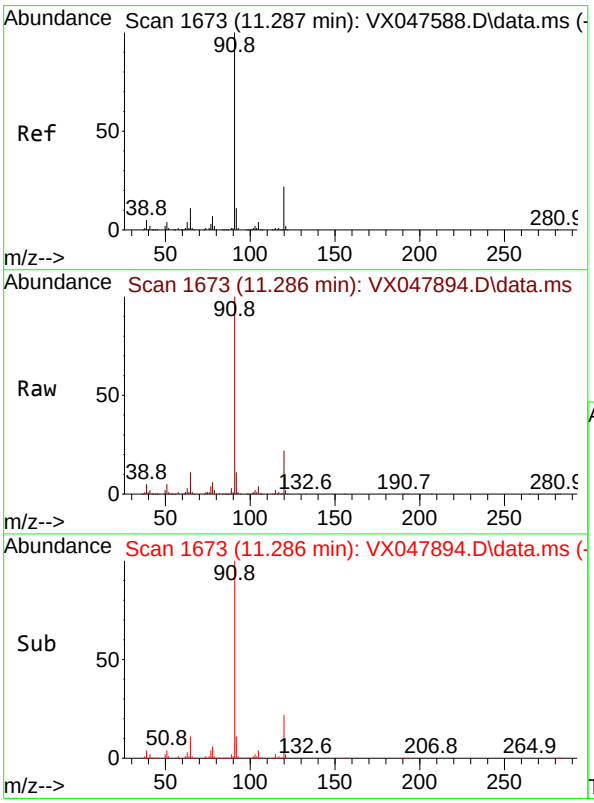
Ion	Ratio	Lower	Upper
156	100		
77	175.1	89.7	269.1
158	97.2	47.9	143.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

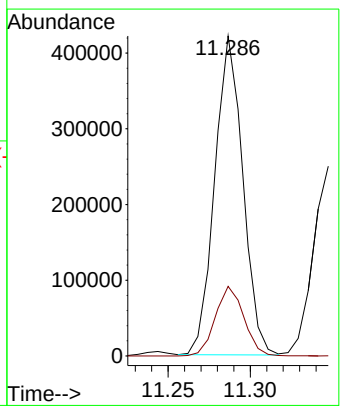


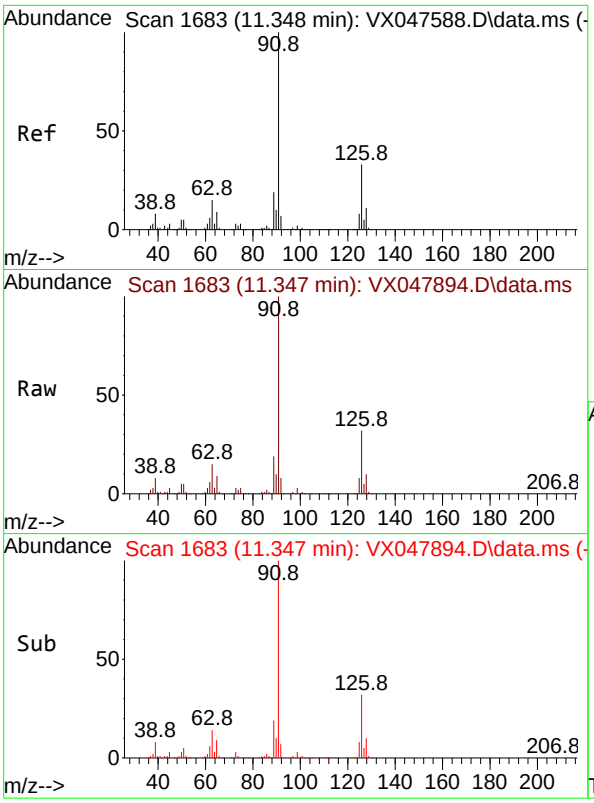


#78
n-propylbenzene
Concen: 47.642 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 91 Resp: 500518

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.1





#79
2-Chlorotoluene
Concen: 47.125 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

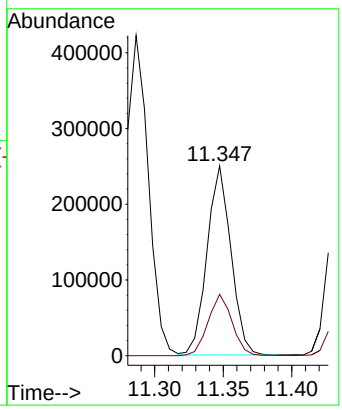
Tgt Ion: 91 Resp: 30322

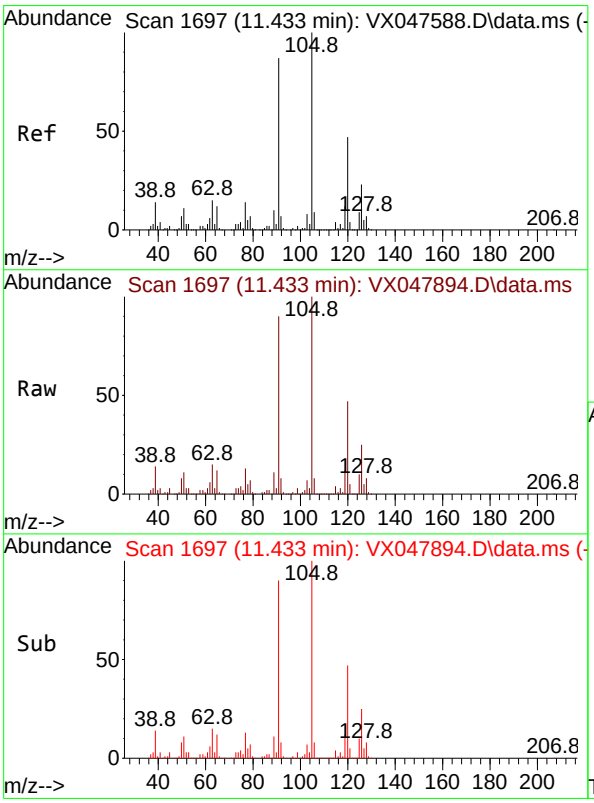
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

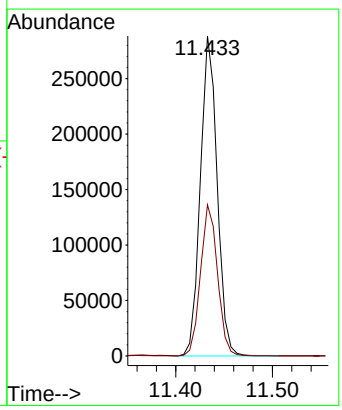


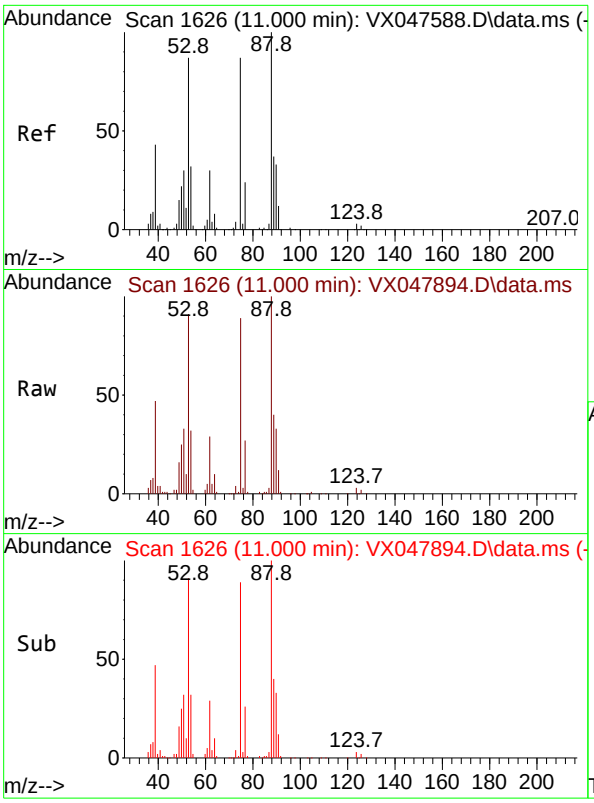


#80
1,3,5-Trimethylbenzene
Concen: 47.727 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:105 Resp: 348489

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 43.303 ug/l
RT: 11.000 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

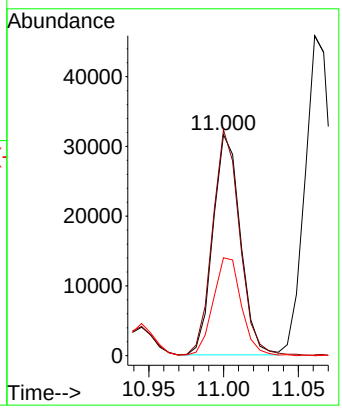
Tgt Ion: 75 Resp: 4019(

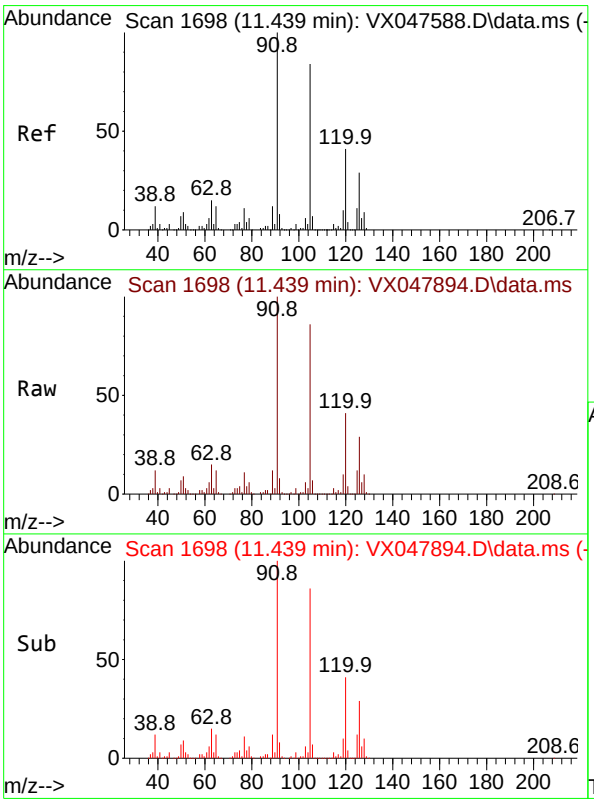
Ion	Ratio	Lower	Upper
75	100		
53	101.5	83.4	125.2
89	46.2	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

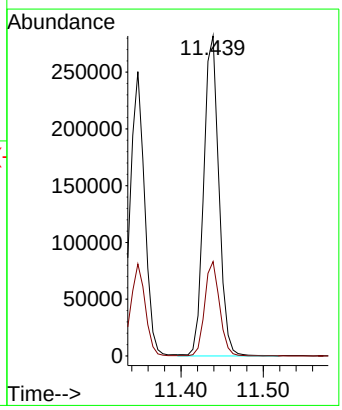


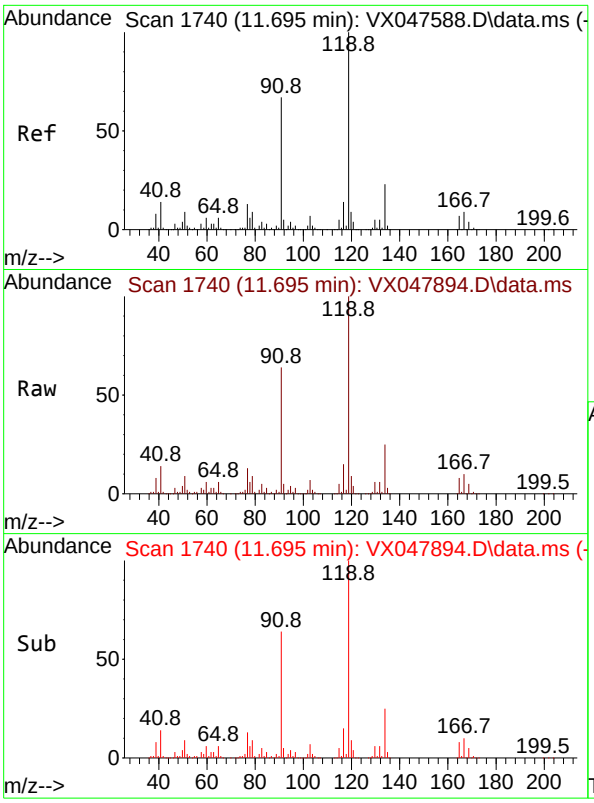


#82
4-Chlorotoluene
Concen: 47.487 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 91 Resp: 360882

Ion	Ratio	Lower	Upper
91	100		
126	28.9	14.2	42.6

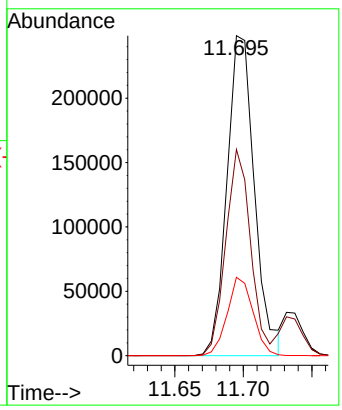




#83
tert-Butylbenzene
Concen: 46.544 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:119 Resp: 34789

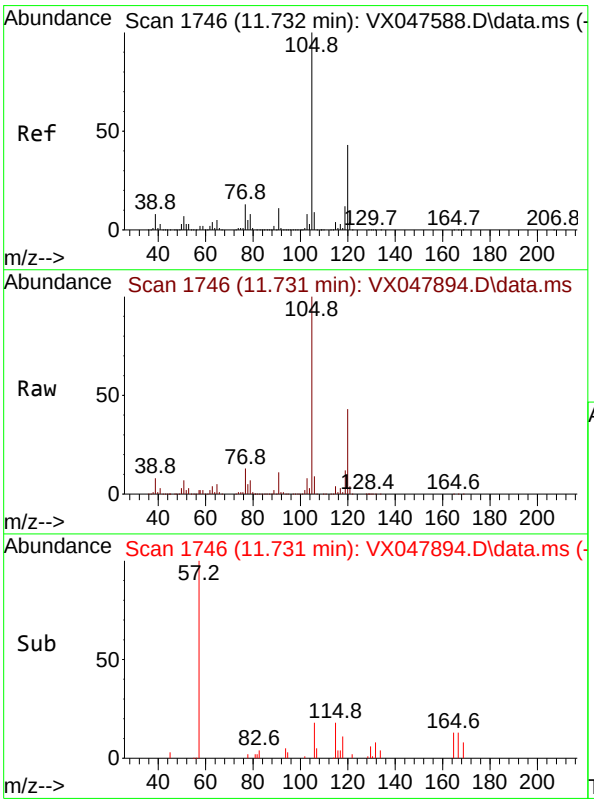
Ion	Ratio	Lower	Upper
119	100		
91	58.1	29.6	88.8
134	23.1	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

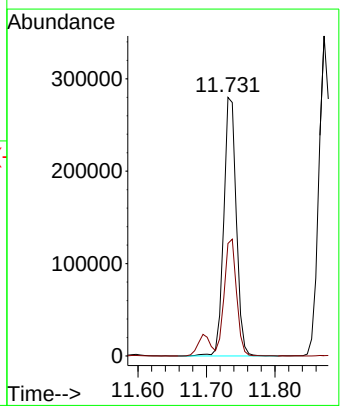
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

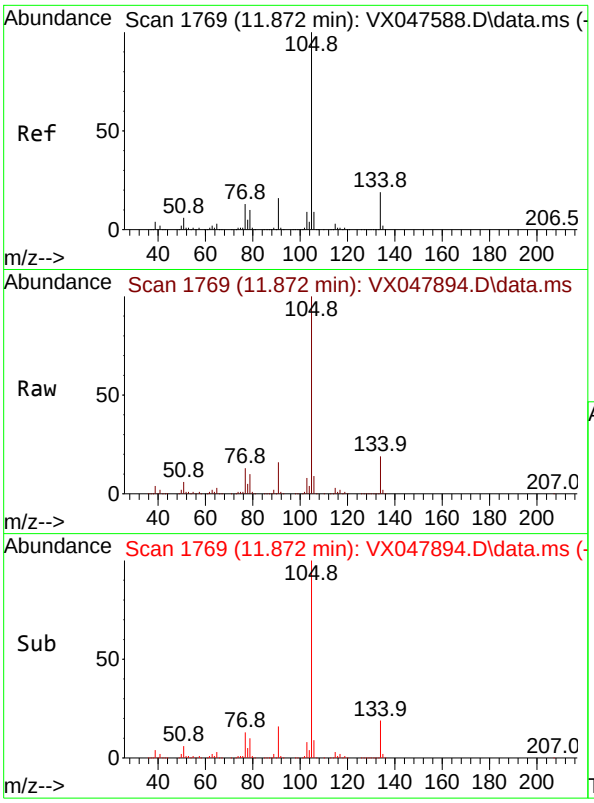


#84
1,2,4-Trimethylbenzene
Concen: 47.757 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:105 Resp: 353530

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.1	66.1

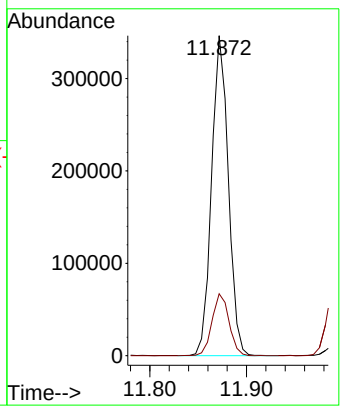




#85
sec-Butylbenzene
Concen: 46.884 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:105 Resp: 41625

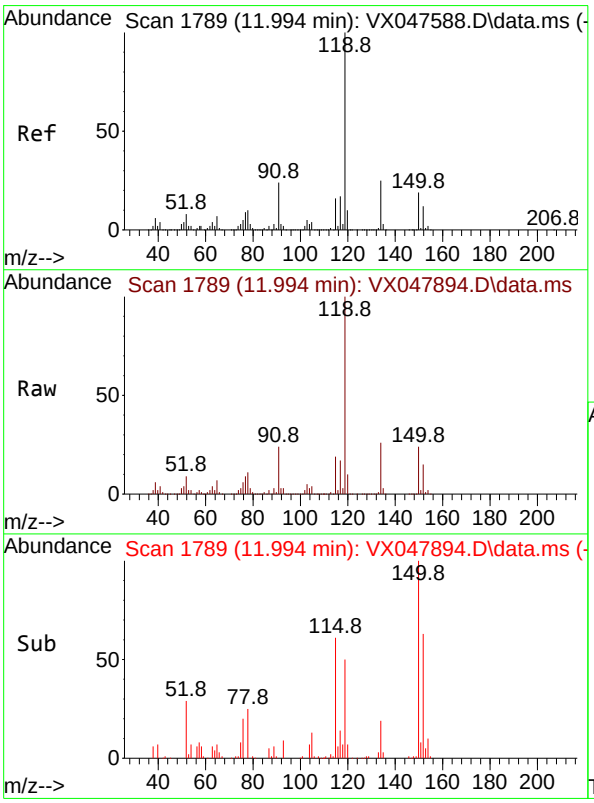
Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

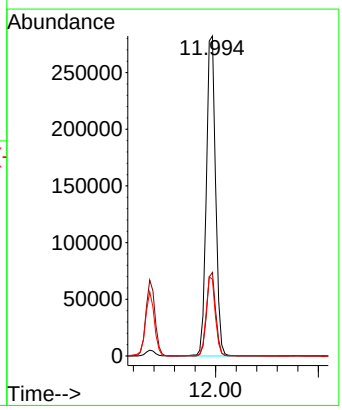
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

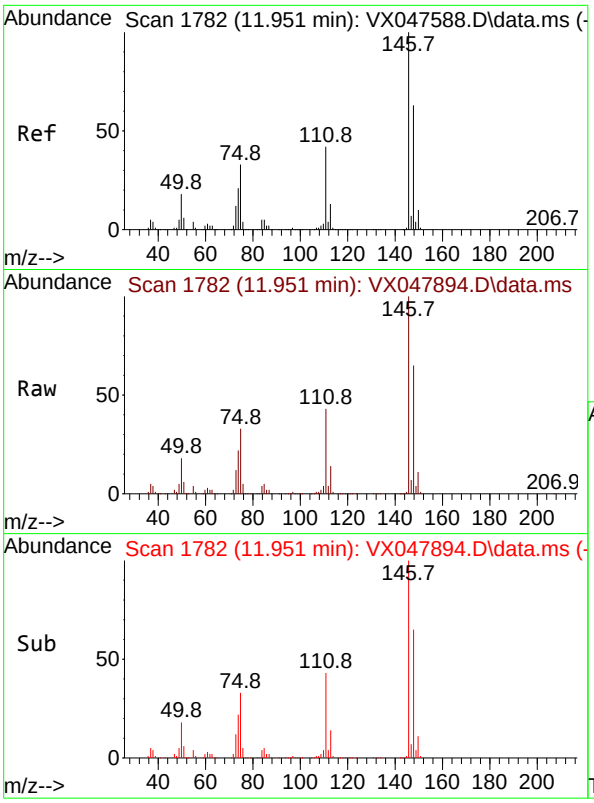


#86
p-Isopropyltoluene
Concen: 46.630 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:119 Resp: 350486

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.6	37.8
91	24.6	12.6	37.6

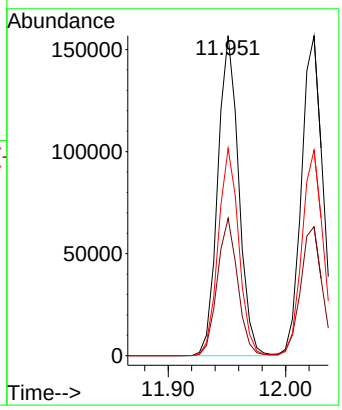




#87
1,3-Dichlorobenzene
Concen: 47.710 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:146 Resp: 19397

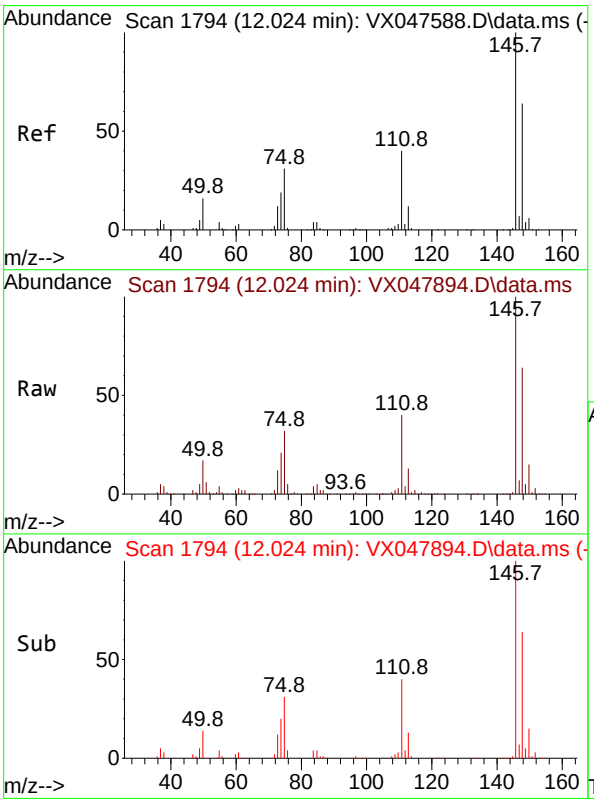
Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.5	64.5
148	63.6	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

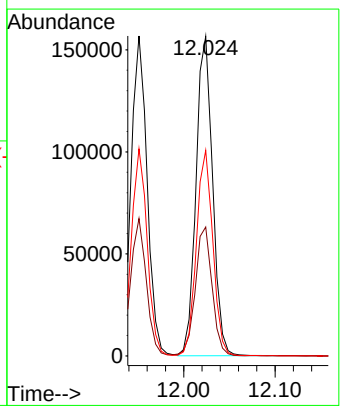
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

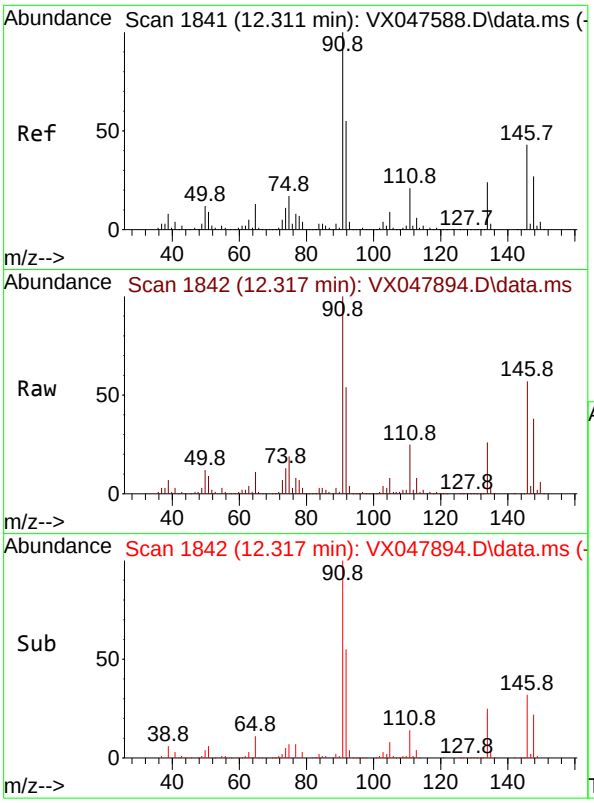


#88
1,4-Dichlorobenzene
Concen: 47.220 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:146 Resp: 197037

Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.8	62.4
148	64.2	31.7	95.1

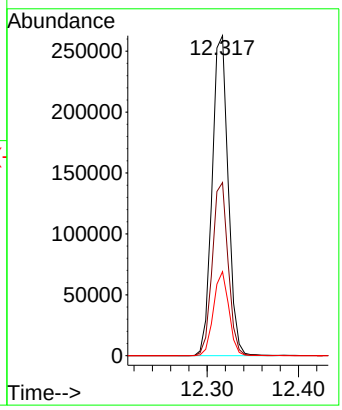




#89
n-Butylbenzene
Concen: 45.935 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 91 Resp: 31947

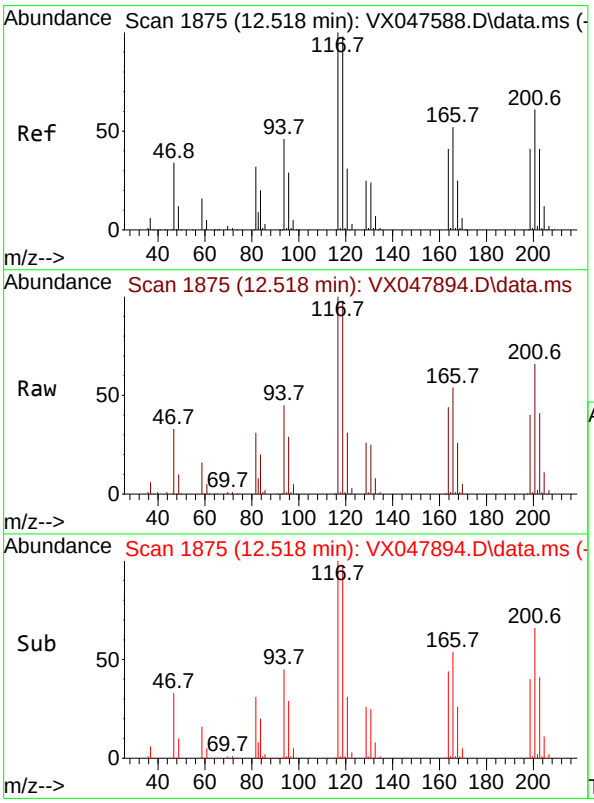
Ion	Ratio	Lower	Upper
91	100		
92	53.5	27.6	82.7
134	25.2	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

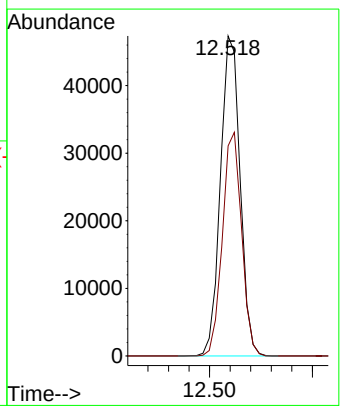
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

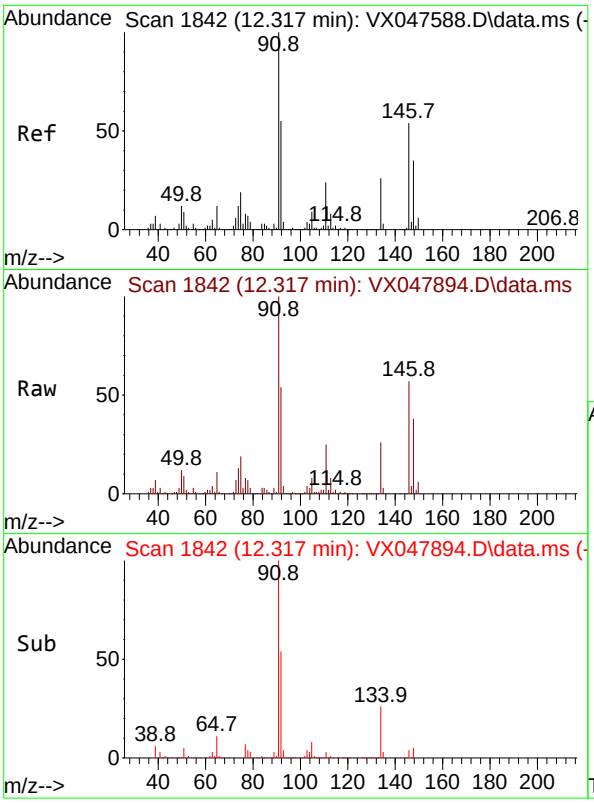


#90
Hexachloroethane
Concen: 47.526 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:117 Resp: 62717

Ion	Ratio	Lower	Upper
117	100		
201	68.3	34.2	102.5

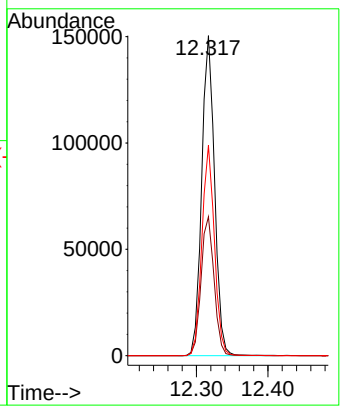




#91
1,2-Dichlorobenzene
Concen: 48.507 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:146 Resp: 18788

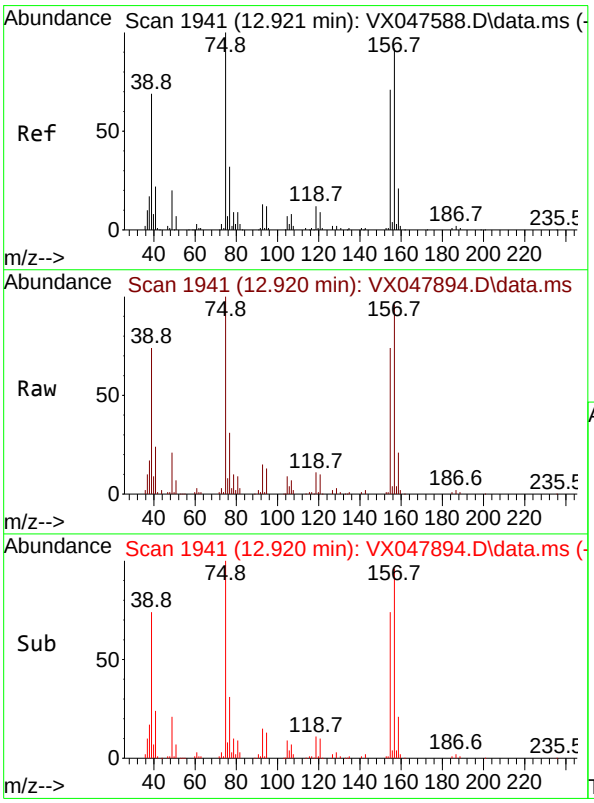
Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.2	66.6
148	64.3	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

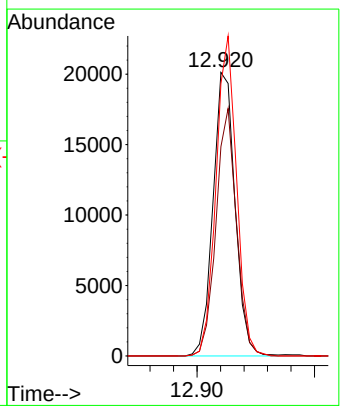
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

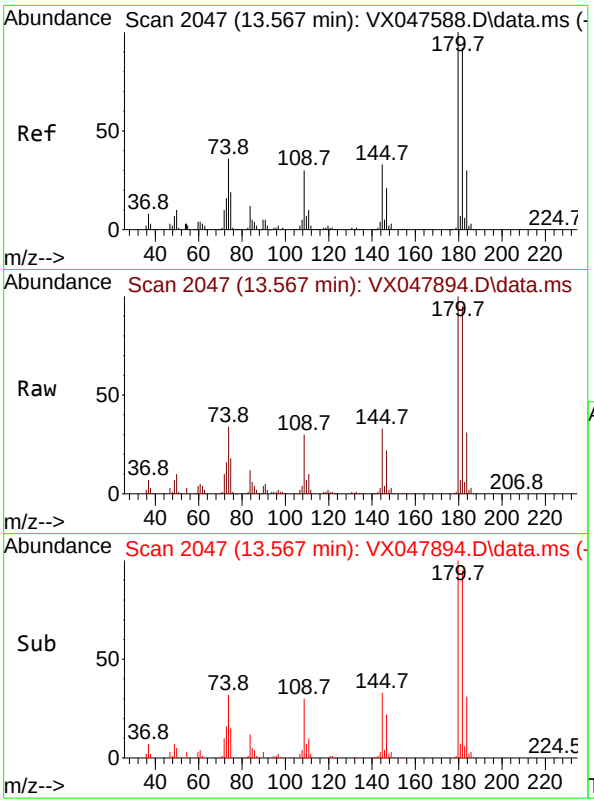


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.175 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 75 Resp: 26226

Ion	Ratio	Lower	Upper
75	100		
155	81.3	37.7	113.1
157	105.2	49.8	149.4

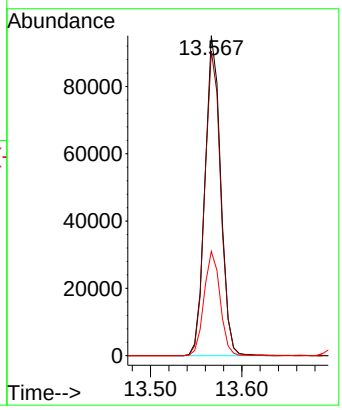




#93
1,2,4-Trichlorobenzene
Concen: 44.998 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:180 Resp: 11327

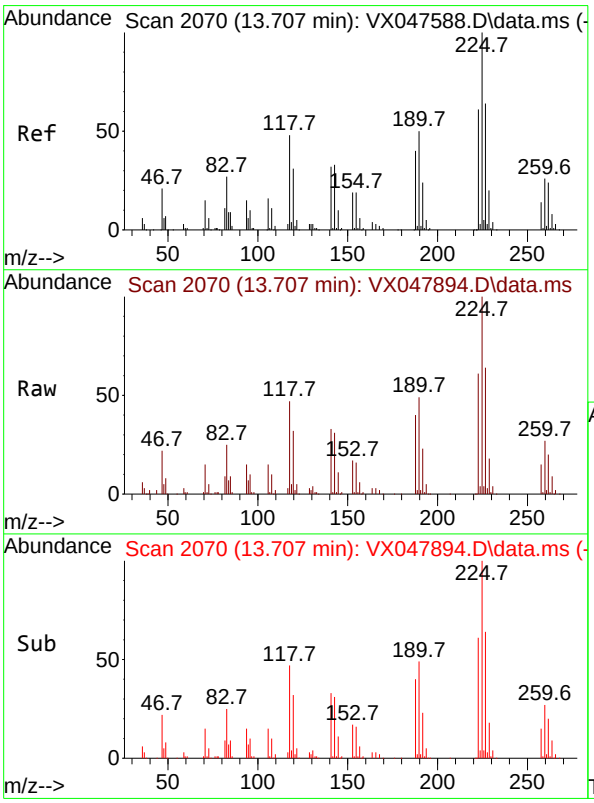
Ion	Ratio	Lower	Upper
180	100		
182	96.5	46.6	139.8
145	33.2	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

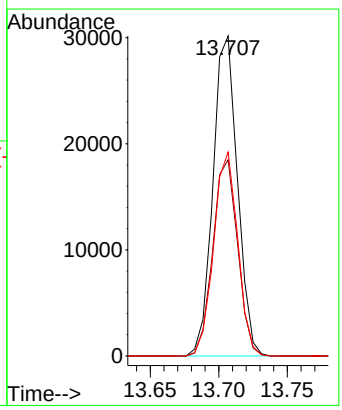
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

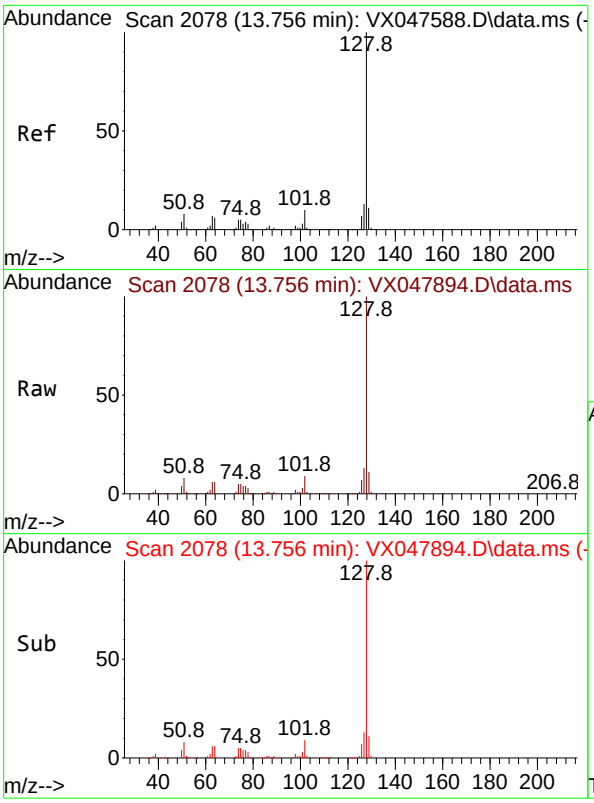


#94
Hexachlorobutadiene
Concen: 43.795 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:225 Resp: 37447

Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.7	95.1
227	62.6	32.0	96.0





#95
Naphthalene
Concen: 48.390 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

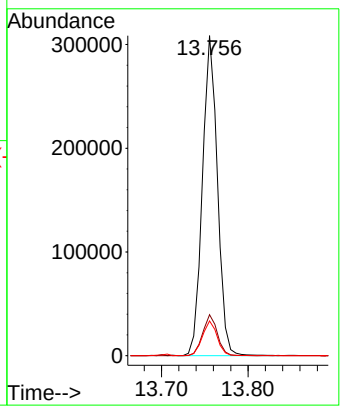
Tgt Ion:128 Resp: 37093

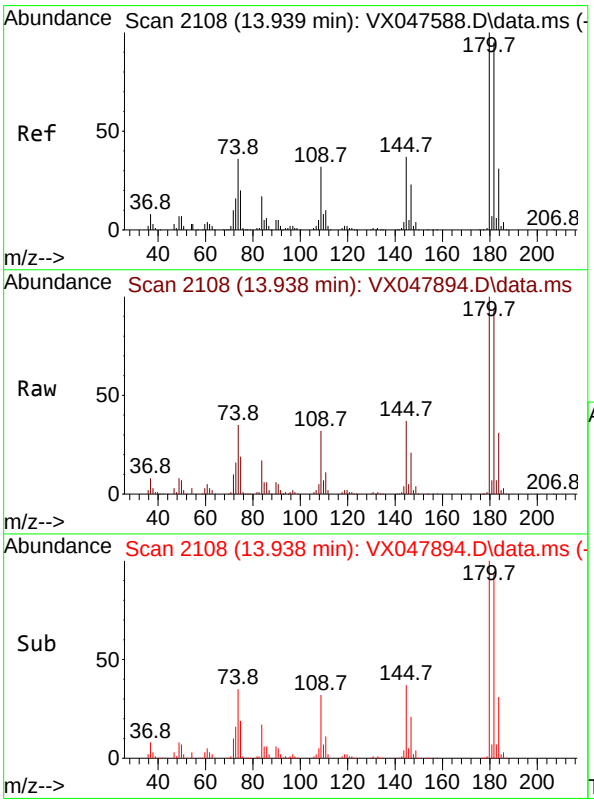
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	10.7	8.8	13.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

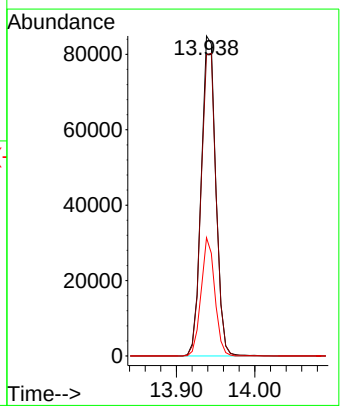




#96
1,2,3-Trichlorobenzene
Concen: 46.742 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:180 Resp: 109453

Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.6	142.8
145	34.7	17.9	53.7



Sample Results: **VX047894.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047894.D
Acq On : 29 Sep 2025 18:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 30 01:26:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	82	0.00
2	T	Dichlorodifluoromethane	0.518	0.585	-12.9	96	0.00
3	P	Chloromethane	0.680	0.697	-2.5	86	0.00
4	C	Vinyl Chloride	0.666	0.724	-8.7#	89	0.00
5	T	Bromomethane	0.422	0.458	-8.5	88	0.00
6	T	Chloroethane	0.445	0.479	-7.6	89	0.00
7	T	Trichlorofluoromethane	0.989	1.060	-7.2	87	0.00
8	T	Diethyl Ether	0.405	0.427	-5.4	85	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.578	0.619	-7.1	87	0.00
10	T	Methyl Iodide	0.902	0.832	7.8	75	0.00
11	T	Tert butyl alcohol	0.089	0.087	2.2	79	0.00
12	CM	1,1-Dichloroethene	0.594	0.627	-5.6#	85	0.00
13	T	Acrolein	0.082	0.082	0.0	82	0.00
14	T	Allyl chloride	1.226	1.200	2.1	81	0.00
15	T	Acrylonitrile	0.328	0.382	-16.5	90	0.00
16	T	Acetone	0.346	0.297	14.2	77	0.00
17	T	Carbon Disulfide	1.626	1.653	-1.7	86	0.00
18	T	Methyl Acetate	0.770	0.960	-24.7	90	0.00
19	T	Methyl tert-butyl Ether	2.169	2.290	-5.6	83	0.00
20	T	Methylene Chloride	0.732	0.780	-6.6	87	0.00
21	T	trans-1,2-Dichloroethene	0.640	0.676	-5.6	85	0.00
22	T	Diisopropyl ether	2.376	2.543	-7.0	84	0.00
23	T	Vinyl Acetate	1.901	2.026	-6.6	83	0.00
24	P	1,1-Dichloroethane	1.263	1.352	-7.0	85	0.00
25	T	2-Butanone	0.432	0.454	-5.1	85	0.00
26	T	2,2-Dichloropropane	1.050	0.803	23.5	61	0.00
27	T	cis-1,2-Dichloroethene	0.783	0.836	-6.8	85	0.00
28	T	Bromochloromethane	0.551	0.601	-9.1	85	0.00
29	T	Tetrahydrofuran	0.260	0.289	-11.2	86	0.00
30	C	Chloroform	1.276	1.393	-9.2#	86	0.00
31	T	Cyclohexane	1.052	1.001	4.8	79	0.00
32	T	1,1,1-Trichloroethane	1.082	1.138	-5.2	83	0.00
33	S	1,2-Dichloroethane-d4	0.796	0.803	-0.9	85	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	84	0.00
35	S	Dibromofluoromethane	0.335	0.348	-3.9	88	0.00
36	T	1,1-Dichloropropene	0.490	0.478	2.4	82	0.00
37	T	Ethyl Acetate	0.525	0.543	-3.4	85	0.00
38	T	Carbon Tetrachloride	0.532	0.535	-0.6	83	0.00
39	T	Methylcyclohexane	0.556	0.525	5.6	78	0.00
40	TM	Benzene	1.488	1.545	-3.8	85	0.00
41	T	Methacrylonitrile	0.271	0.290	-7.0	85	0.00
42	TM	1,2-Dichloroethane	0.566	0.573	-1.2	82	0.00
43	T	Isopropyl Acetate	0.860	0.873	-1.5	81	0.00
44	TM	Trichloroethene	0.360	0.370	-2.8	84	0.00
45	C	1,2-Dichloropropane	0.381	0.404	-6.0#	85	0.00
46	T	Dibromomethane	0.277	0.292	-5.4	85	0.00
47	T	Bromodichloromethane	0.572	0.605	-5.8	83	0.00
48	T	Methyl methacrylate	0.429	0.452	-5.4	84	0.00

Sample Results: **VX047894.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047894.D
Acq On : 29 Sep 2025 18:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 30 01:26:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	0.004	0.005	-25.0	92	0.00
50	S	Toluene-d8	1.160	1.168	-0.7	85	0.00
51	T	4-Methyl-2-Pentanone	0.477	0.529	-10.9	87	0.00
52	CM	Toluene	0.917	0.940	-2.5#	84	0.00
53	T	t-1,3-Dichloropropene	0.584	0.573	1.9	77	0.00
54	T	cis-1,3-Dichloropropene	0.624	0.619	0.8	79	0.00
55	T	1,1,2-Trichloroethane	0.354	0.380	-7.3	87	0.00
56	T	Ethyl methacrylate	0.555	0.593	-6.8	83	0.00
57	T	1,3-Dichloropropane	0.607	0.656	-8.1	86	0.00
58	T	2-Chloroethyl Vinyl ether	0.227	0.293	-29.1#	90	0.00
59	T	2-Hexanone	0.343	0.362	-5.5	84	0.00
60	T	Dibromochloromethane	0.407	0.447	-9.8	86	0.00
61	T	1,2-Dibromoethane	0.360	0.395	-9.7	87	0.00
62	S	4-Bromofluorobenzene	0.440	0.447	-1.6	88	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	86	0.00
64	T	Tetrachloroethene	0.326	0.328	-0.6	86	0.00
65	PM	Chlorobenzene	1.136	1.164	-2.5	85	0.00
66	T	1,1,1,2-Tetrachloroethane	0.392	0.413	-5.4	85	0.00
67	C	Ethyl Benzene	1.960	1.962	-0.1#	82	0.00
68	T	m/p-Xylenes	0.729	0.744	-2.1	83	0.00
69	T	o-Xylene	0.706	0.720	-2.0	82	0.00
70	T	Styrene	1.236	1.282	-3.7	84	0.00
71	P	Bromoform	0.293	0.316	-7.8	86	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
73	T	Isopropylbenzene	3.801	3.606	5.1	82	0.00
74	T	N-amyl acetate	1.733	1.665	3.9	82	0.00
75	P	1,1,2,2-Tetrachloroethane	1.150	1.192	-3.7	89	0.00
76	T	1,2,3-Trichloropropane	1.012	1.046	-3.4	85	0.00
77	T	Bromobenzene	0.936	0.910	2.8	84	0.00
78	T	n-propylbenzene	4.494	4.282	4.7	82	0.00
79	T	2-Chlorotoluene	2.752	2.594	5.7	81	0.00
80	T	1,3,5-Trimethylbenzene	3.123	2.981	4.5	82	0.00
81	T	trans-1,4-Dichloro-2-butene	0.397	0.344	13.4	76	0.00
82	T	4-Chlorotoluene	3.251	3.087	5.0	82	0.00
83	T	tert-Butylbenzene	3.197	2.976	6.9	81	0.00
84	T	1,2,4-Trimethylbenzene	3.166	3.024	4.5	83	0.00
85	T	sec-Butylbenzene	3.797	3.561	6.2	81	0.00
86	T	p-Isopropyltoluene	3.215	2.998	6.7	80	0.00
87	T	1,3-Dichlorobenzene	1.739	1.659	4.6	84	0.00
88	T	1,4-Dichlorobenzene	1.785	1.686	5.5	84	0.00
89	T	n-Butylbenzene	2.975	2.733	8.1	80	0.00
90	T	Hexachloroethane	0.564	0.537	4.8	83	0.00
91	T	1,2-Dichlorobenzene	1.657	1.607	3.0	84	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.233	0.224	3.9	81	0.00
93	T	1,2,4-Trichlorobenzene	1.077	0.969	10.0	77	0.00
94	T	Hexachlorobutadiene	0.366	0.320	12.6	76	0.00
95	T	Naphthalene	3.279	3.173	3.2	82	0.00

Sample Results: **VX047894.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047894.D
Acq On : 29 Sep 2025 18:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 30 01:26:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1.002	0.936	6.6	79	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX047894.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047894.D
Acq On : 29 Sep 2025 18:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 30 01:26:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	82	0.00
2	T	Dichlorodifluoromethane	50.000	56.490	-13.0	96	0.00
3	P	Chloromethane	50.000	51.206	-2.4	86	0.00
4	C	Vinyl Chloride	50.000	54.322	-8.6#	89	0.00
5	T	Bromomethane	50.000	54.270	-8.5	88	0.00
6	T	Chloroethane	50.000	53.841	-7.7	89	0.00
7	T	Trichlorofluoromethane	50.000	53.585	-7.2	87	0.00
8	T	Diethyl Ether	50.000	52.810	-5.6	85	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	53.520	-7.0	87	0.00
10	T	Methyl Iodide	50.000	46.129	7.7	75	0.00
11	T	Tert butyl alcohol	250.000	244.127	2.3	79	0.00
12	CM	1,1-Dichloroethene	50.000	52.810	-5.6#	85	0.00
13	T	Acrolein	250.000	251.295	-0.5	82	0.00
14	T	Allyl chloride	50.000	48.934	2.1	81	0.00
15	T	Acrylonitrile	250.000	290.564	-16.2	90	0.00
16	T	Acetone	250.000	214.674	14.1	77	0.00
17	T	Carbon Disulfide	50.000	50.818	-1.6	86	0.00
18	T	Methyl Acetate	50.000	62.295	-24.6	90	0.00
19	T	Methyl tert-butyl Ether	50.000	52.801	-5.6	83	0.00
20	T	Methylene Chloride	50.000	53.246	-6.5	87	0.00
21	T	trans-1,2-Dichloroethene	50.000	52.828	-5.7	85	0.00
22	T	Diisopropyl ether	50.000	53.529	-7.1	84	0.00
23	T	Vinyl Acetate	250.000	266.323	-6.5	83	0.00
24	P	1,1-Dichloroethane	50.000	53.520	-7.0	85	0.00
25	T	2-Butanone	250.000	263.189	-5.3	85	0.00
26	T	2,2-Dichloropropane	50.000	38.261	23.5	61	0.00
27	T	cis-1,2-Dichloroethene	50.000	53.388	-6.8	85	0.00
28	T	Bromochloromethane	50.000	54.538	-9.1	85	0.00
29	T	Tetrahydrofuran	250.000	277.934	-11.2	86	0.00
30	C	Chloroform	50.000	54.580	-9.2#	86	0.00
31	T	Cyclohexane	50.000	47.604	4.8	79	0.00
32	T	1,1,1-Trichloroethane	50.000	52.589	-5.2	83	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.475	-1.0	85	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	84	0.00
35	S	Dibromofluoromethane	50.000	51.828	-3.7	88	0.00
36	T	1,1-Dichloropropene	50.000	48.775	2.5	82	0.00
37	T	Ethyl Acetate	50.000	51.710	-3.4	85	0.00
38	T	Carbon Tetrachloride	50.000	50.268	-0.5	83	0.00
39	T	Methylcyclohexane	50.000	47.152	5.7	78	0.00
40	TM	Benzene	50.000	51.894	-3.8	85	0.00
41	T	Methacrylonitrile	50.000	53.601	-7.2	85	0.00
42	TM	1,2-Dichloroethane	50.000	50.606	-1.2	82	0.00
43	T	Isopropyl Acetate	50.000	50.730	-1.5	81	0.00
44	TM	Trichloroethene	50.000	51.403	-2.8	84	0.00
45	C	1,2-Dichloropropane	50.000	53.058	-6.1#	85	0.00
46	T	Dibromomethane	50.000	52.657	-5.3	85	0.00
47	T	Bromodichloromethane	50.000	52.847	-5.7	83	0.00
48	T	Methyl methacrylate	50.000	52.710	-5.4	84	0.00

Sample Results: **VX047894.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047894.D
Acq On : 29 Sep 2025 18:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 30 01:26:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1221.341	-22.1	92	0.00
50	S	Toluene-d8	50.000	50.315	-0.6	85	0.00
51	T	4-Methyl-2-Pentanone	250.000	277.112	-10.8	87	0.00
52	CM	Toluene	50.000	51.265	-2.5#	84	0.00
53	T	t-1,3-Dichloropropene	50.000	49.069	1.9	77	0.00
54	T	cis-1,3-Dichloropropene	50.000	49.614	0.8	79	0.00
55	T	1,1,2-Trichloroethane	50.000	53.747	-7.5	87	0.00
56	T	Ethyl methacrylate	50.000	53.369	-6.7	83	0.00
57	T	1,3-Dichloropropane	50.000	54.003	-8.0	86	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	274.070	-9.6	90	0.00
59	T	2-Hexanone	250.000	264.369	-5.7	84	0.00
60	T	Dibromochloromethane	50.000	54.812	-9.6	86	0.00
61	T	1,2-Dibromoethane	50.000	54.796	-9.6	87	0.00
62	S	4-Bromofluorobenzene	50.000	50.750	-1.5	88	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	86	0.00
64	T	Tetrachloroethene	50.000	50.266	-0.5	86	0.00
65	PM	Chlorobenzene	50.000	51.242	-2.5	85	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.734	-5.5	85	0.00
67	C	Ethyl Benzene	50.000	50.050	-0.1#	82	0.00
68	T	m/p-Xylenes	100.000	101.931	-1.9	83	0.00
69	T	o-Xylene	50.000	51.015	-2.0	82	0.00
70	T	Styrene	50.000	51.849	-3.7	84	0.00
71	P	Bromoform	50.000	54.061	-8.1	86	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	92	0.00
73	T	Isopropylbenzene	50.000	47.432	5.1	82	0.00
74	T	N-amyl acetate	50.000	48.033	3.9	82	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.820	-3.6	89	0.00
76	T	1,2,3-Trichloropropane	50.000	51.650	-3.3	85	0.00
77	T	Bromobenzene	50.000	48.598	2.8	84	0.00
78	T	n-propylbenzene	50.000	47.642	4.7	82	0.00
79	T	2-Chlorotoluene	50.000	47.125	5.8	81	0.00
80	T	1,3,5-Trimethylbenzene	50.000	47.727	4.5	82	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	43.303	13.4	76	0.00
82	T	4-Chlorotoluene	50.000	47.487	5.0	82	0.00
83	T	tert-Butylbenzene	50.000	46.544	6.9	81	0.00
84	T	1,2,4-Trimethylbenzene	50.000	47.757	4.5	83	0.00
85	T	sec-Butylbenzene	50.000	46.884	6.2	81	0.00
86	T	p-Isopropyltoluene	50.000	46.630	6.7	80	0.00
87	T	1,3-Dichlorobenzene	50.000	47.710	4.6	84	0.00
88	T	1,4-Dichlorobenzene	50.000	47.220	5.6	84	0.00
89	T	n-Butylbenzene	50.000	45.935	8.1	80	0.00
90	T	Hexachloroethane	50.000	47.526	4.9	83	0.00
91	T	1,2-Dichlorobenzene	50.000	48.507	3.0	84	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.175	3.7	81	0.00
93	T	1,2,4-Trichlorobenzene	50.000	44.998	10.0	77	0.00
94	T	Hexachlorobutadiene	50.000	43.795	12.4	76	0.00
95	T	Naphthalene	50.000	48.390	3.2	82	0.00

Sample Results: **VX047894.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047894.D
Acq On : 29 Sep 2025 18:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 30 01:26:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	46.742	6.5	79	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX047896.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:	Alliance	Contract:	TETR06
Lab Code:	ACE	SDG No.:	Q3213
Instrument ID:	MSVOA_X	Calibration Date/Time:	09/30/2025 09:20
Lab File ID:	VX047896.D	Init. Calib. Date(s):	09/16/2025 09/16/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:23 12:01

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.609		17.57	20
Chloromethane	0.680	0.711	0.1	4.56	20
Vinyl Chloride	0.666	0.732		9.91	20
Bromomethane	0.422	0.433		2.61	20
Chloroethane	0.445	0.494		11.01	20
Trichlorofluoromethane	0.989	1.083		9.51	20
1,1,2-Trichlorotrifluoroethane	0.578	0.633		9.52	20
1,1-Dichloroethene	0.594	0.627		5.56	20
Acetone	0.346	0.361		4.34	20
Carbon Disulfide	1.626	1.668		2.58	20
Methyl tert-butyl Ether	2.169	2.294		5.76	20
Methyl Acetate	0.770	0.908		17.92	20
Methylene Chloride	0.732	0.791		8.06	20
trans-1,2-Dichloroethene	0.640	0.679		6.09	20
1,1-Dichloroethane	1.263	1.347	0.1	6.57	20
Cyclohexane	1.052	0.974		-7.41	20
2-Butanone	0.432	0.464		7.41	20
Carbon Tetrachloride	0.532	0.552		3.76	20
cis-1,2-Dichloroethene	0.783	0.830		6	20
Bromochloromethane	0.551	0.555		0.73	20
Chloroform	1.276	1.360		6.58	20
1,1,1-Trichloroethane	1.082	1.123		3.79	20
Methylcyclohexane	0.556	0.513		-7.73	20
Benzene	1.488	1.565		5.18	20
1,2-Dichloroethane	0.566	0.594		4.95	20
Trichloroethene	0.360	0.371		3.06	20
1,2-Dichloropropane	0.381	0.413		8.4	20
Bromodichloromethane	0.572	0.622		8.74	20
4-Methyl-2-Pentanone	0.477	0.524		9.85	20
Toluene	0.917	0.954		4.03	20
t-1,3-Dichloropropene	0.584	0.609		4.28	20
cis-1,3-Dichloropropene	0.624	0.659		5.61	20
1,1,2-Trichloroethane	0.354	0.384		8.48	20
2-Hexanone	0.343	0.366		6.71	20
Dibromochloromethane	0.407	0.452		11.06	20
1,2-Dibromoethane	0.360	0.395		9.72	20
Tetrachloroethene	0.326	0.323		-0.92	20
Chlorobenzene	1.136	1.183	0.3	4.14	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: **VX047896.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: TETR06
Lab Code: ACE
SDG No.: Q3213
Instrument ID: MSVOA_X
Calibration Date/Time: 09/30/2025 09:20
Lab File ID: VX047896.D
Init. Calib. Date(s): 09/16/2025 09/16/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:23 12:01
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.960	1.981		1.07	20
m/p-Xylenes	0.729	0.744		2.06	20
o-Xylene	0.706	0.723		2.41	20
Styrene	1.236	1.283		3.8	20
Bromoform	0.293	0.323	0.1	10.24	20
Isopropylbenzene	3.801	3.742		-1.55	20
1,1,2,2-Tetrachloroethane	1.150	1.226	0.3	6.61	20
1,3-Dichlorobenzene	1.739	1.708		-1.78	20
1,4-Dichlorobenzene	1.785	1.732		-2.97	20
1,2-Dichlorobenzene	1.657	1.671		0.85	20
1,2-Dibromo-3-Chloropropane	0.233	0.236		1.29	20
1,2,4-Trichlorobenzene	1.077	0.993		-7.8	20
1,2,3-Trichlorobenzene	1.002	0.950		-5.19	20
1,2-Dichloroethane-d4	0.796	0.783		-1.63	20
Dibromofluoromethane	0.335	0.359		7.16	20
Toluene-d8	1.160	1.184		2.07	20
4-Bromofluorobenzene	0.440	0.438		-0.46	20

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047896.D
Acq On : 30 Sep 2025 09:20
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 01:03:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	159265	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	274684	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	247069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	121307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	124724	49.199	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 98.400%			
35) Dibromofluoromethane	5.367	113	98640	53.545	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.100%			
50) Toluene-d8	8.629	98	325148	51.009	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.020%			
62) 4-Bromofluorobenzene	11.061	95	120201	49.687	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.380%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	97022	58.829	ug/l	99
3) Chloromethane	1.301	50	113214	52.232	ug/l	97
4) Vinyl Chloride	1.380	62	116638	54.972	ug/l	98
5) Bromomethane	1.611	94	68890	51.203	ug/l	96
6) Chloroethane	1.691	64	78694	55.492	ug/l	97
7) Trichlorofluoromethane	1.892	101	172524	54.763	ug/l	99
8) Diethyl Ether	2.136	74	69421	53.868	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	100879	54.762	ug/l	97
10) Methyl Iodide	2.453	142	130308	45.357	ug/l	98
11) Tert butyl alcohol	2.941	59	68313	241.951	ug/l	99
12) 1,1-Dichloroethene	2.325	96	99847	52.767	ug/l	98
13) Acrolein	2.233	56	60815	233.739	ug/l	99
14) Allyl chloride	2.666	41	194156	49.724	ug/l	99
15) Acrylonitrile	3.056	53	296520	283.530	ug/l	100
16) Acetone	2.374	43	287150	260.508	ug/l	98
17) Carbon Disulfide	2.514	76	265675	51.287	ug/l	98
18) Methyl Acetate	2.697	43	144676	58.977	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	365318	52.887	ug/l	100
20) Methylene Chloride	2.788	84	125986	53.997	ug/l	91
21) trans-1,2-Dichloroethene	3.087	96	108133	53.079	ug/l	98
22) Diisopropyl ether	3.745	45	403919	53.376	ug/l #	85
23) Vinyl Acetate	3.709	43	1626309	268.522	ug/l	99
24) 1,1-Dichloroethane	3.599	63	214450	53.317	ug/l	100
25) 2-Butanone	4.532	43	369360	268.637	ug/l	97
26) 2,2-Dichloropropane	4.459	77	167775	50.180	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	132222	52.997	ug/l	97
28) Bromochloromethane	4.879	49	88396	50.341	ug/l	98
29) Tetrahydrofuran	4.983	42	220125	266.130	ug/l	100
30) Chloroform	5.074	83	216603	53.292	ug/l	97
31) Cyclohexane	5.452	56	155102	46.300	ug/l	95
32) 1,1,1-Trichloroethane	5.367	97	178835	51.873	ug/l	99
36) 1,1-Dichloropropene	5.678	75	135743	50.427	ug/l	99
37) Ethyl Acetate	4.696	43	152185	52.801	ug/l	99
38) Carbon Tetrachloride	5.660	117	151743	51.882	ug/l	92
39) Methylcyclohexane	7.360	83	140957	46.130	ug/l	99
40) Benzene	6.019	78	429759	52.564	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047896.D
Acq On : 30 Sep 2025 09:20
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 01:03:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	82436	55.402	ug/l	99
42) 1,2-Dichloroethane	6.068	62	163028	52.407	ug/l	98
43) Isopropyl Acetate	6.318	43	245123	51.856	ug/l	98
44) Trichloroethene	7.104	130	101783	51.493	ug/l	95
45) 1,2-Dichloropropane	7.409	63	113369	54.152	ug/l	100
46) Dibromomethane	7.562	93	83867	55.050	ug/l	98
47) Bromodichloromethane	7.805	83	170796	54.329	ug/l	99
48) Methyl methacrylate	7.671	41	122288	51.936	ug/l	98
49) 1,4-Dioxane	7.641	88	30052	1262.927	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	719388	274.485	ug/l	100
52) Toluene	8.702	92	262130	52.039	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	167386	52.199	ug/l	98
54) cis-1,3-Dichloropropene	8.348	75	181042	52.821	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	105403	54.267	ug/l	97
56) Ethyl methacrylate	9.098	69	163078	53.463	ug/l	98
57) 1,3-Dichloropropane	9.293	76	182646	54.741	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	425504	288.987	ug/l	100
59) 2-Hexanone	9.415	43	503092	267.273	ug/l	98
60) Dibromochloromethane	9.506	129	124090	55.448	ug/l	98
61) 1,2-Dibromoethane	9.592	107	108616	54.903	ug/l	99
64) Tetrachloroethene	9.256	164	79687	49.476	ug/l	99
65) Chlorobenzene	10.061	112	292200	52.058	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	104056	53.724	ug/l	100
67) Ethyl Benzene	10.177	91	489523	50.546	ug/l	100
68) m/p-Xylenes	10.287	106	367685	102.001	ug/l	99
69) o-Xylene	10.622	106	178721	51.259	ug/l	99
70) Styrene	10.640	104	316919	51.876	ug/l	98
71) Bromoform	10.781	173	79707	55.113	ug/l	99
73) Isopropylbenzene	10.945	105	453987	49.226	ug/l	99
74) N-amyl acetate	10.823	43	207377	49.310	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	148724	53.301	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	119154m	48.514	ug/l	
77) Bromobenzene	11.177	156	114778	50.531	ug/l	96
78) n-propylbenzene	11.287	91	534401	49.018	ug/l	99
79) 2-Chlorotoluene	11.348	91	328025	49.125	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	375552	49.564	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	46406	48.183	ug/l	99
82) 4-Chlorotoluene	11.433	91	389550	49.396	ug/l	99
83) tert-Butylbenzene	11.695	119	376514	48.542	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	379320	49.378	ug/l	100
85) sec-Butylbenzene	11.872	105	443652	48.154	ug/l	100
86) p-Isopropyltoluene	11.988	119	371954	47.687	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	207204	49.112	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	210050	48.509	ug/l	98
89) n-Butylbenzene	12.317	91	337054	46.701	ug/l	99
90) Hexachloroethane	12.518	117	68737	50.194	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	202692	50.428	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	28623	50.667	ug/l	99
93) 1,2,4-Trichlorobenzene	13.567	180	120450	46.109	ug/l	98
94) Hexachlorobutadiene	13.707	225	36987	41.684	ug/l	98
95) Naphthalene	13.756	128	391072	49.163	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	115245	47.426	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047896.D
Acq On : 30 Sep 2025 09:20
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

Quant Time: Oct 01 01:03:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

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

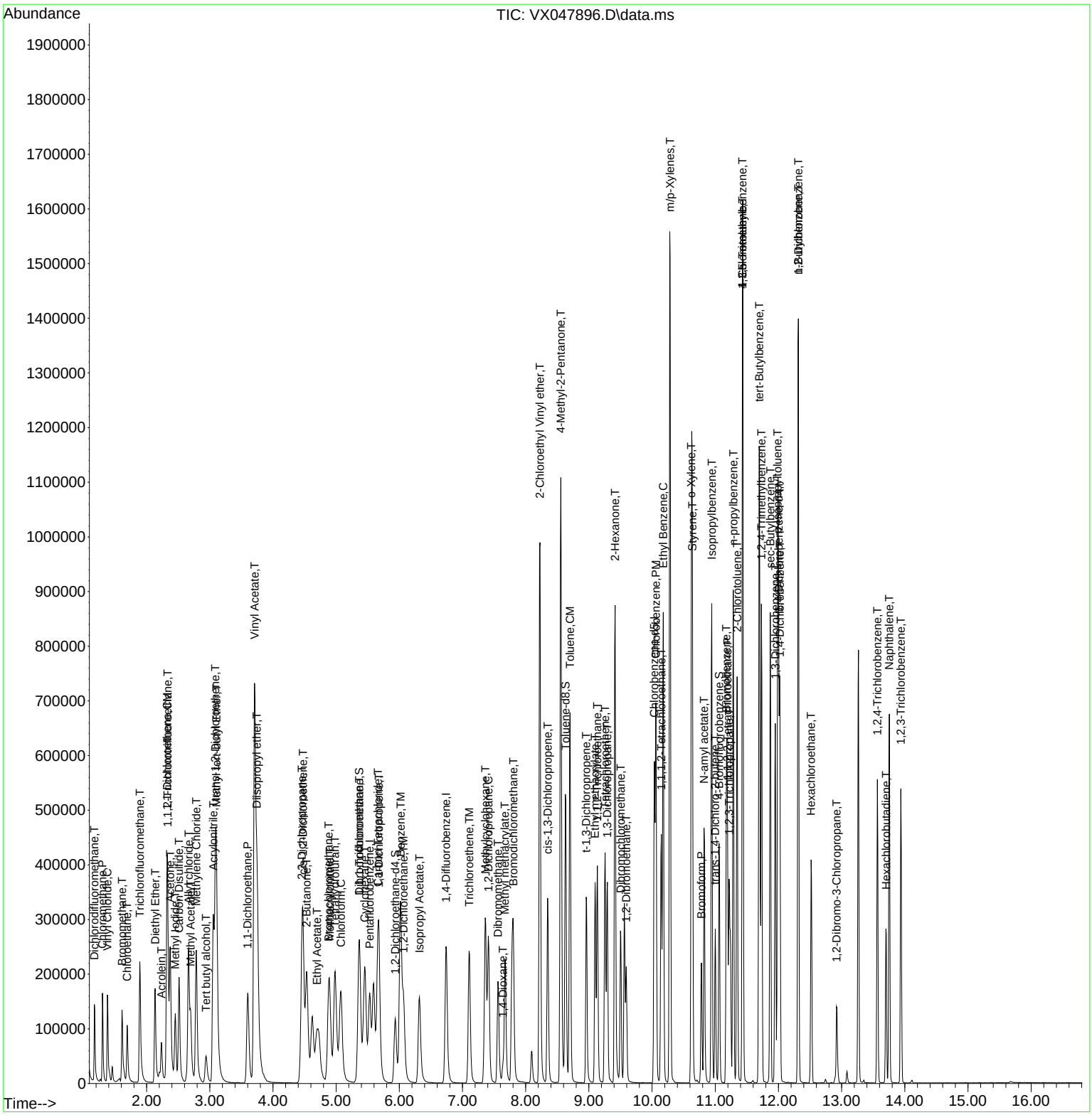
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047896.D
Acq On : 30 Sep 2025 09:20
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

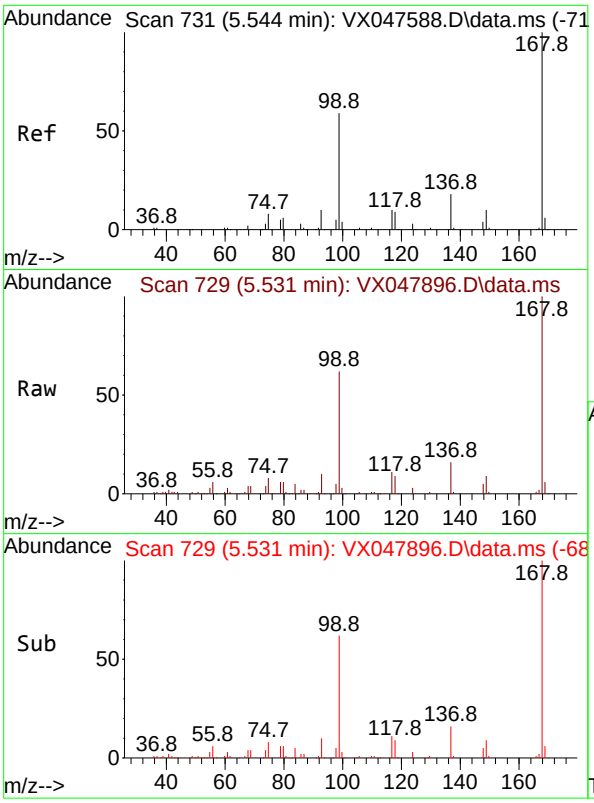
Quant Time: Oct 01 01:03:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

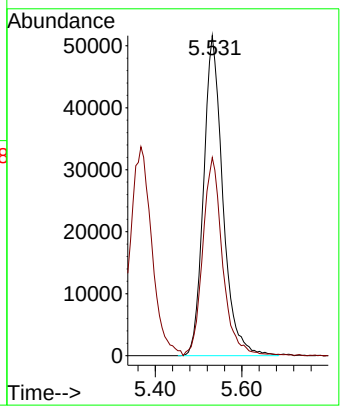




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:168 Resp: 15926

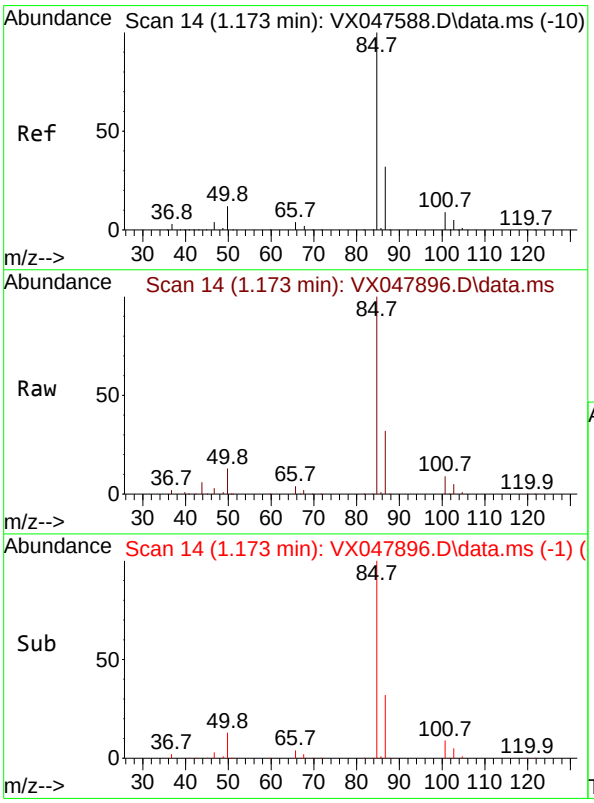
Ion	Ratio	Lower	Upper
168	100		
99	61.4	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

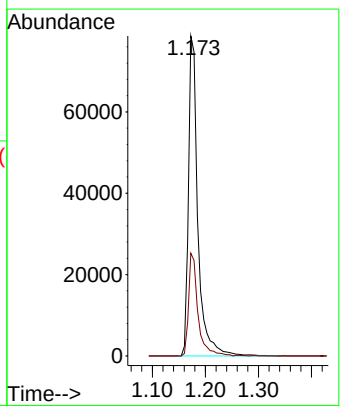
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

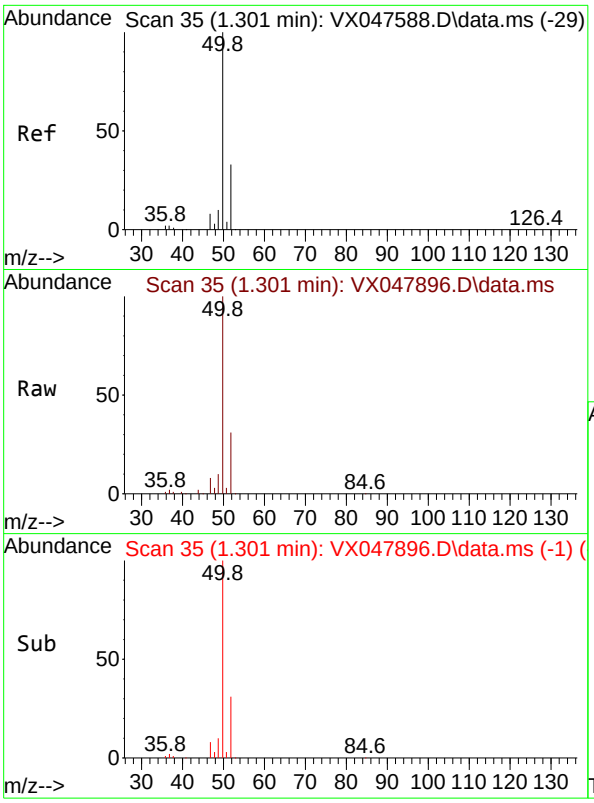


#2
Dichlorodifluoromethane
Concen: 58.829 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 85 Resp: 97022

Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.8	47.3

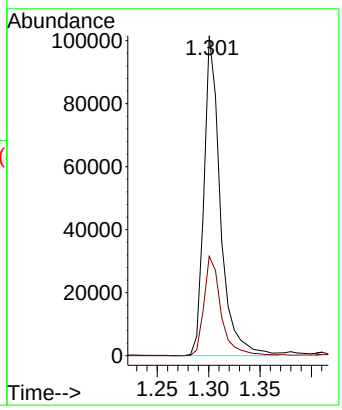




#3
Chloromethane
Concen: 52.232 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 50 Resp: 11321

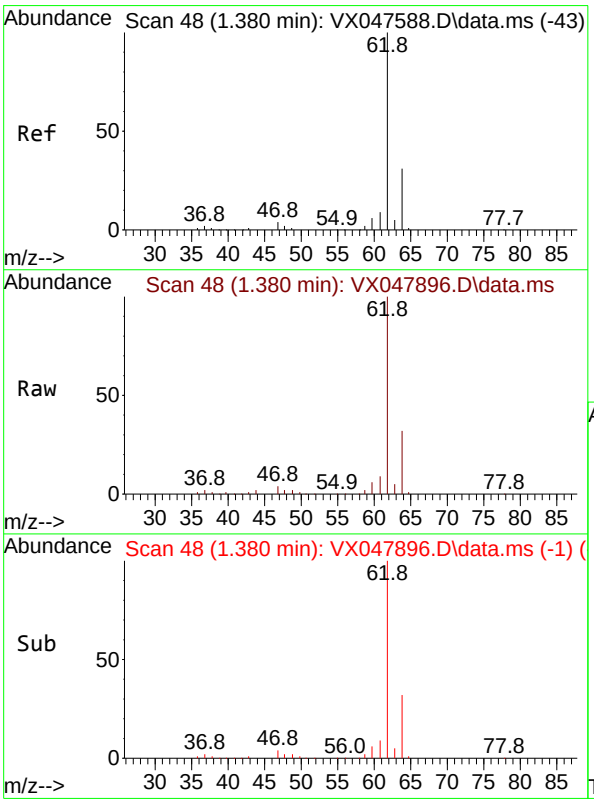
Ion	Ratio	Lower	Upper
50	100		
52	31.1	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

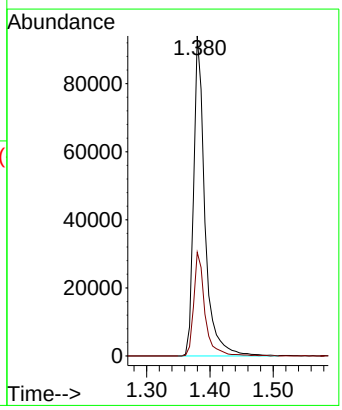
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

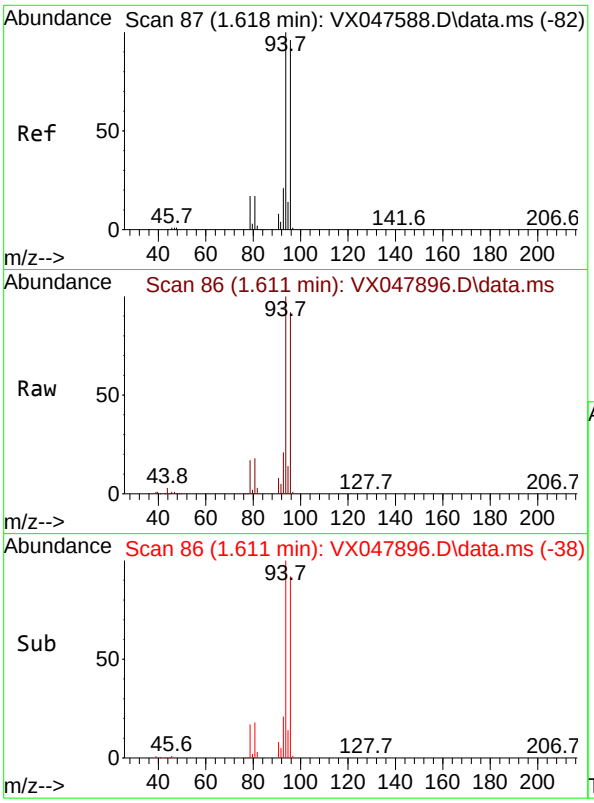


#4
Vinyl Chloride
Concen: 54.972 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 62 Resp: 116638

Ion	Ratio	Lower	Upper
62	100		
64	32.4	24.9	37.3

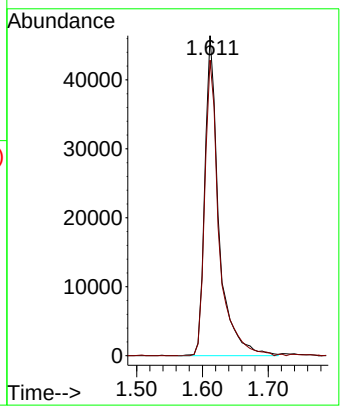




#5
Bromomethane
Concen: 51.203 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 94 Resp: 6889

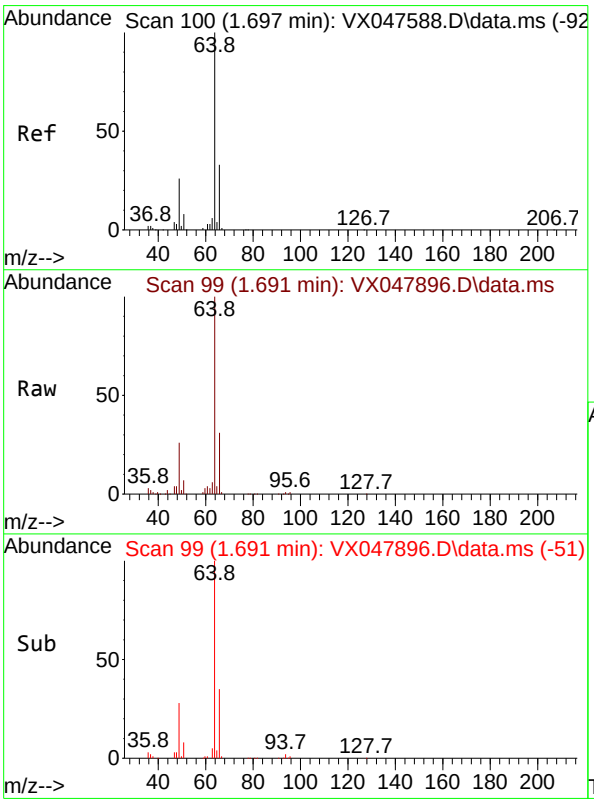
Ion	Ratio	Lower	Upper
94	100		
96	92.4	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

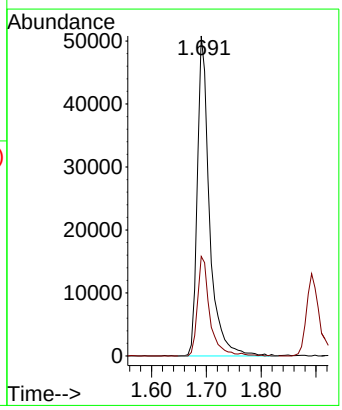
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

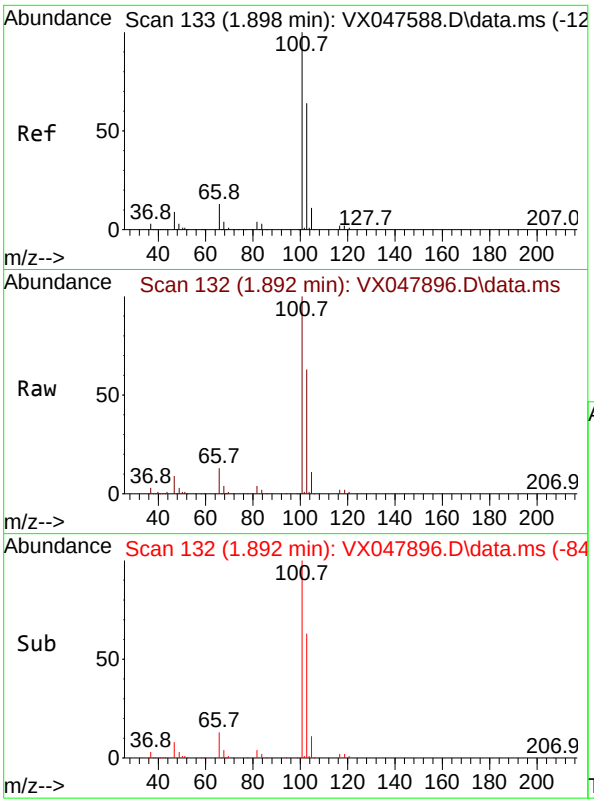


#6
Chloroethane
Concen: 55.492 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 64 Resp: 78694

Ion	Ratio	Lower	Upper
64	100		
66	31.1	26.1	39.1





#7
Trichlorofluoromethane
Concen: 54.763 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

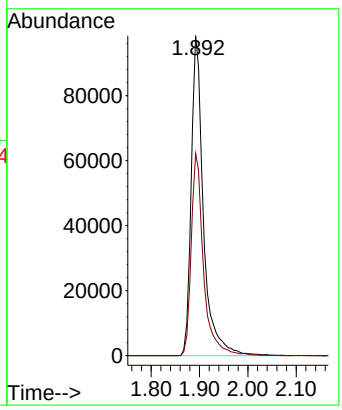
Tgt Ion:101 Resp: 17252

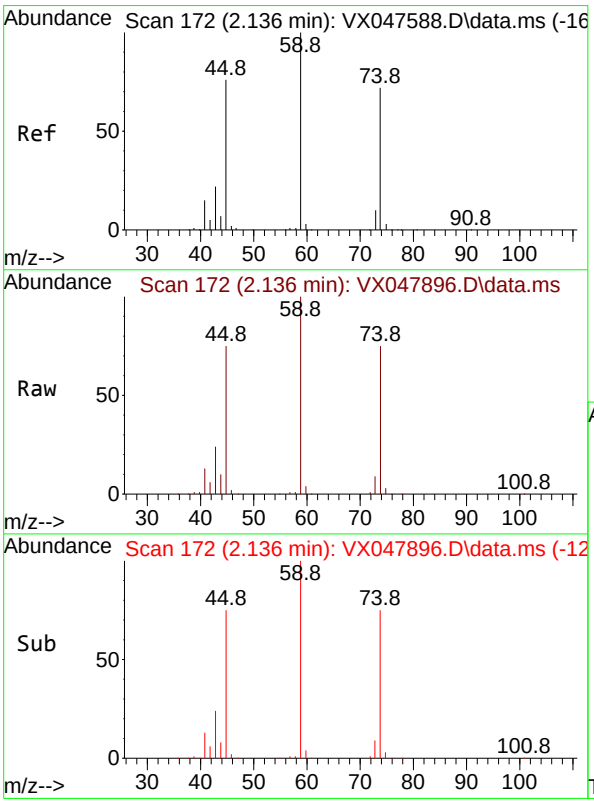
Ion	Ratio	Lower	Upper
101	100		
103	63.2	51.4	77.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

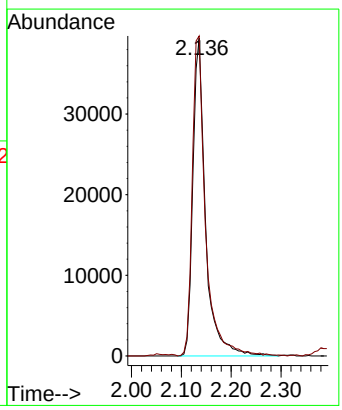


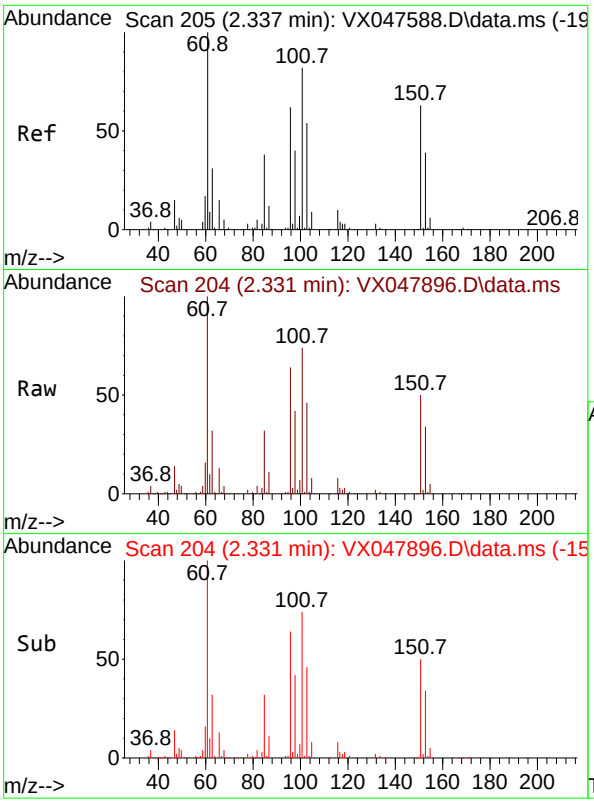


#8
Diethyl Ether
Concen: 53.868 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 74 Resp: 69421

Ion	Ratio	Lower	Upper
74	100		
45	105.3	52.3	156.8

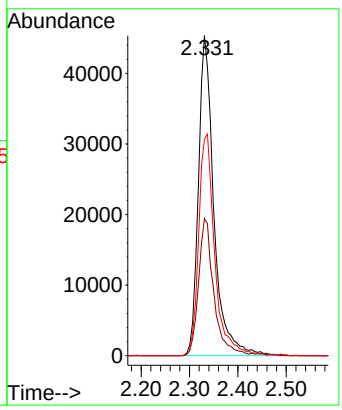




#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.762 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:101 Resp: 10087

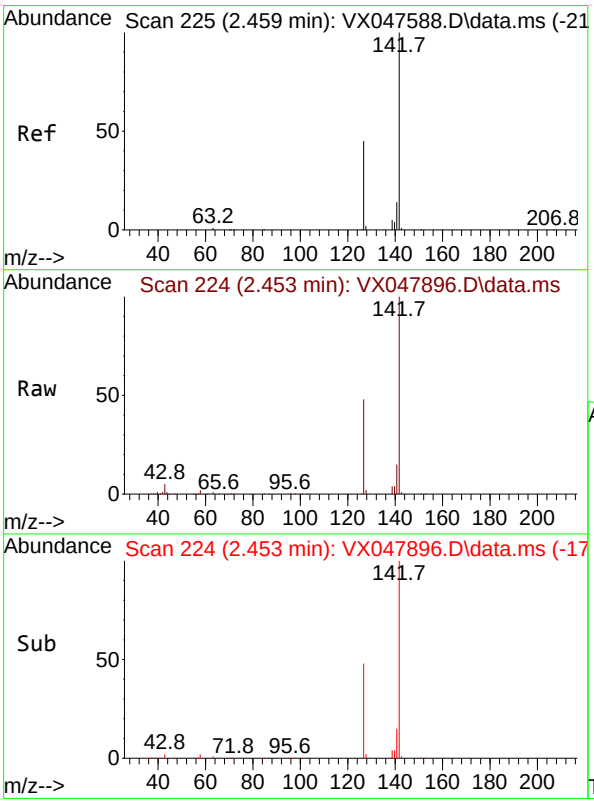
Ion	Ratio	Lower	Upper
101	100		
85	42.2	35.5	53.3
151	71.8	59.4	89.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

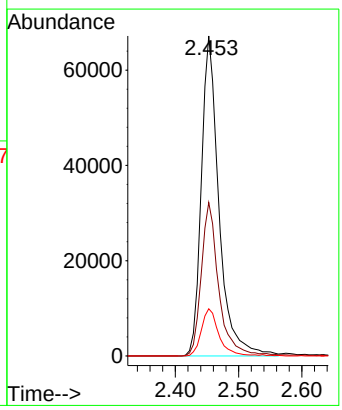
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

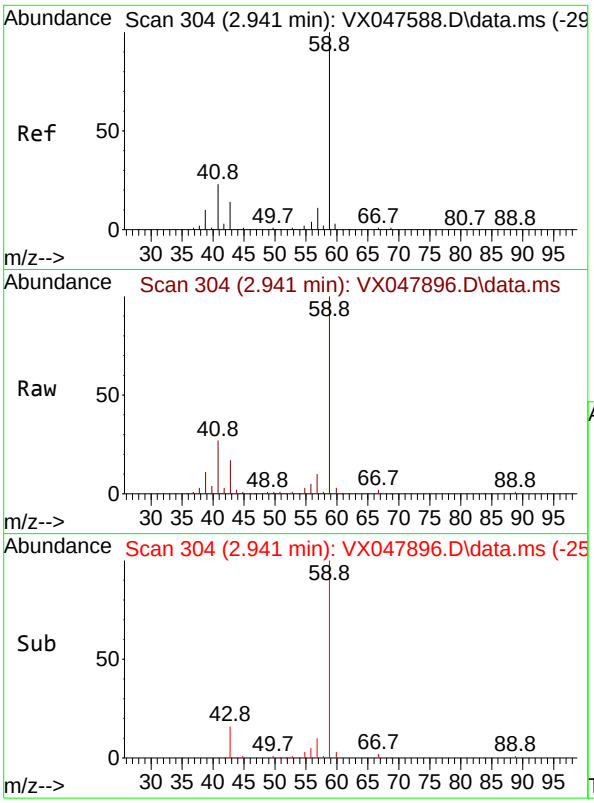


#10
Methyl Iodide
Concen: 45.357 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:142 Resp: 130308

Ion	Ratio	Lower	Upper
142	100		
127	47.9	37.2	55.8
141	14.6	11.4	17.0





#11
Tert butyl alcohol
Concen: 241.951 ug/l
RT: 2.941 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

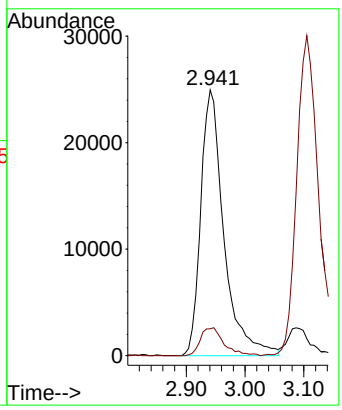
Tgt Ion: 59 Resp: 6831

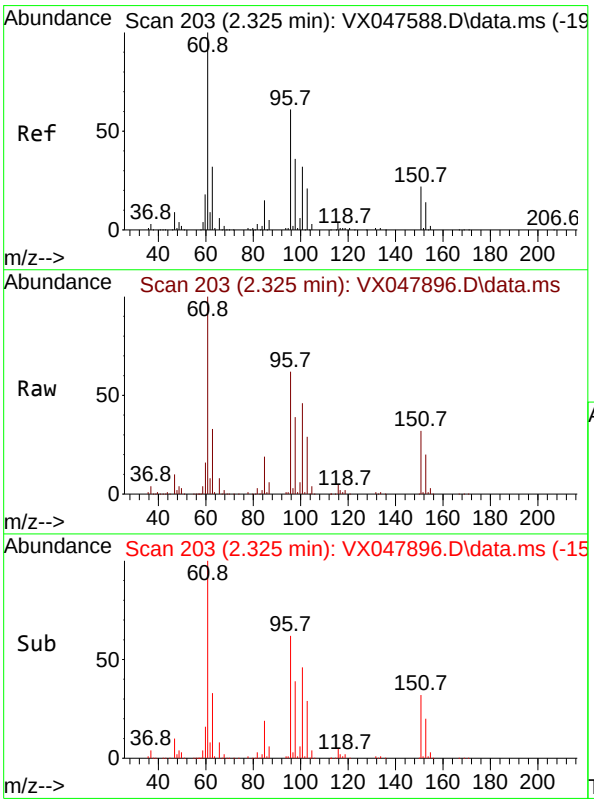
Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

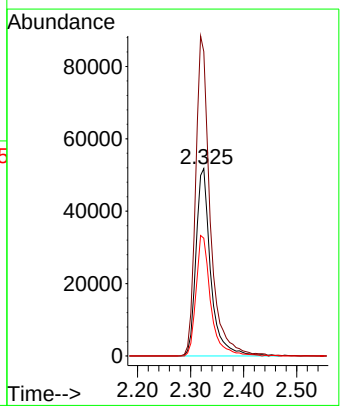


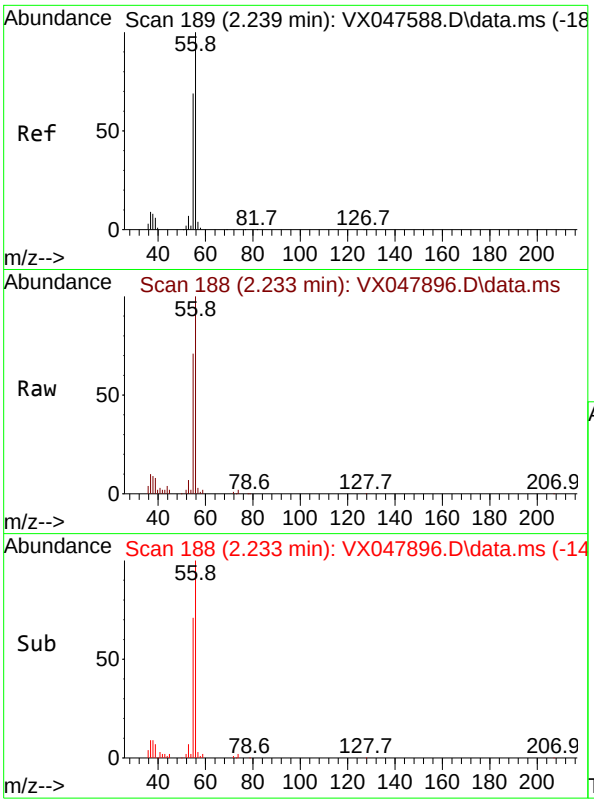


#12
1,1-Dichloroethene
Concen: 52.767 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 96 Resp: 99847

Ion	Ratio	Lower	Upper
96	100		
61	162.4	131.0	196.6
98	62.9	47.7	71.5

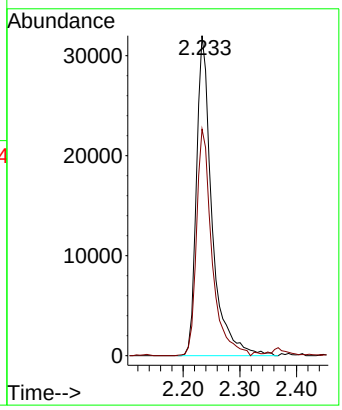




#13
Acrolein
Concen: 233.739 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 56 Resp: 6081

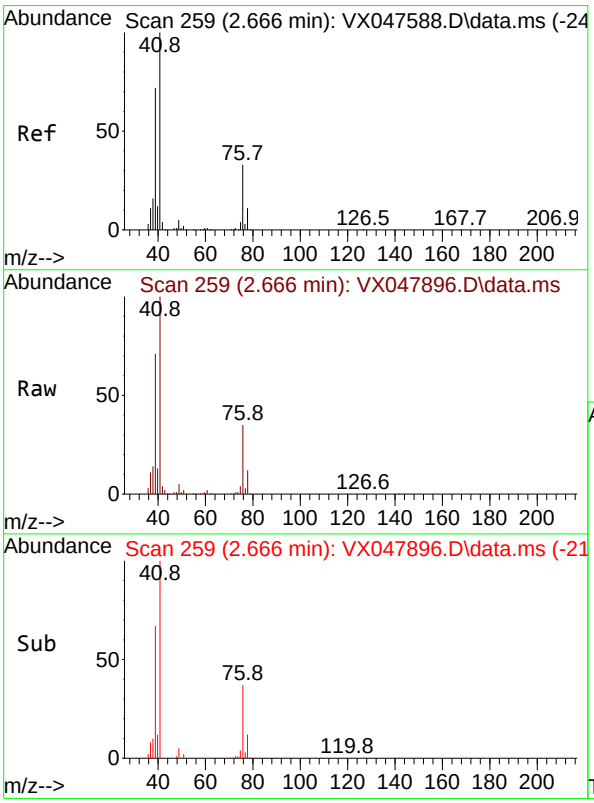
Ion	Ratio	Lower	Upper
56	100		
55	70.5	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

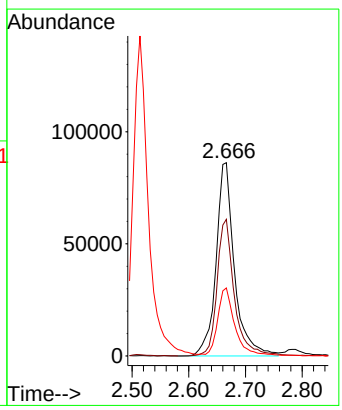
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

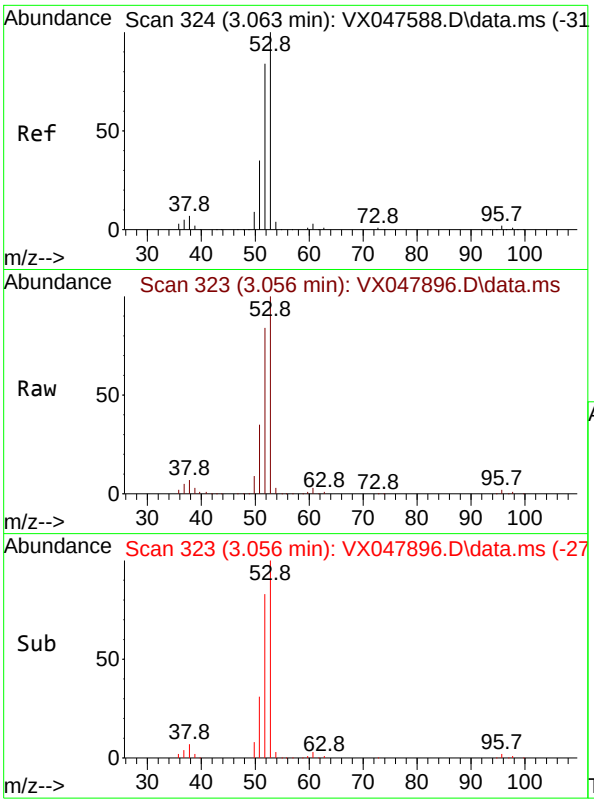


#14
Allyl chloride
Concen: 49.724 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 41 Resp: 194156

Ion	Ratio	Lower	Upper
41	100		
39	66.7	54.7	82.1
76	32.0	25.7	38.5

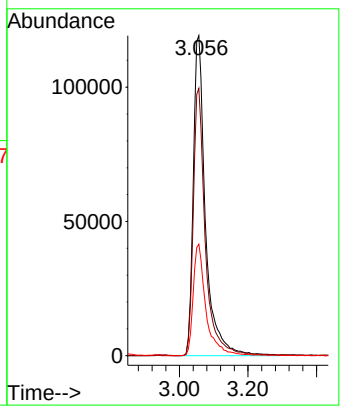




#15
Acrylonitrile
Concen: 283.530 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 53 Resp: 29652

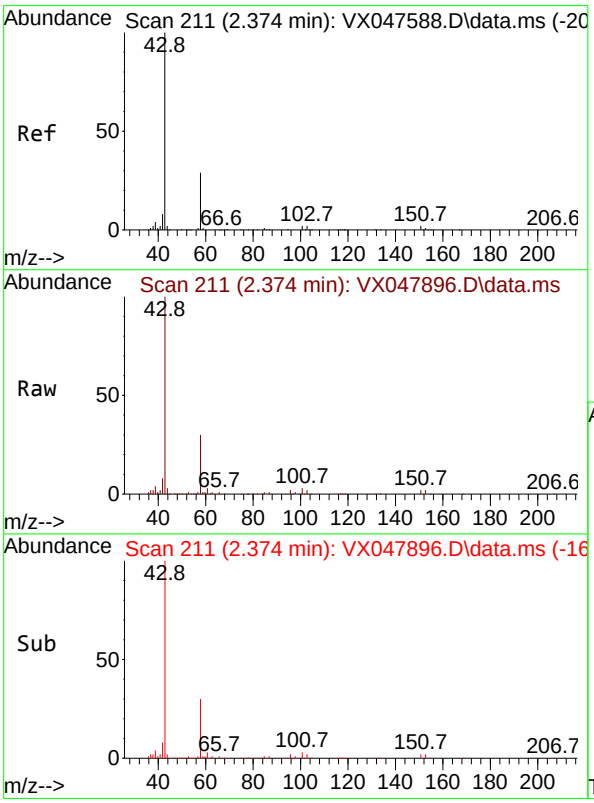
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.4	99.6
51	36.4	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

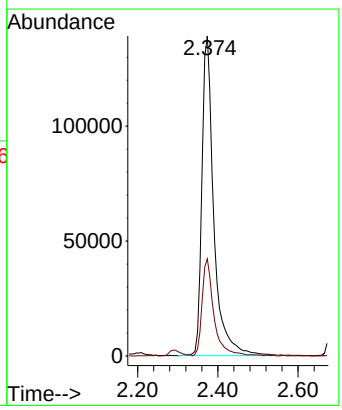
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

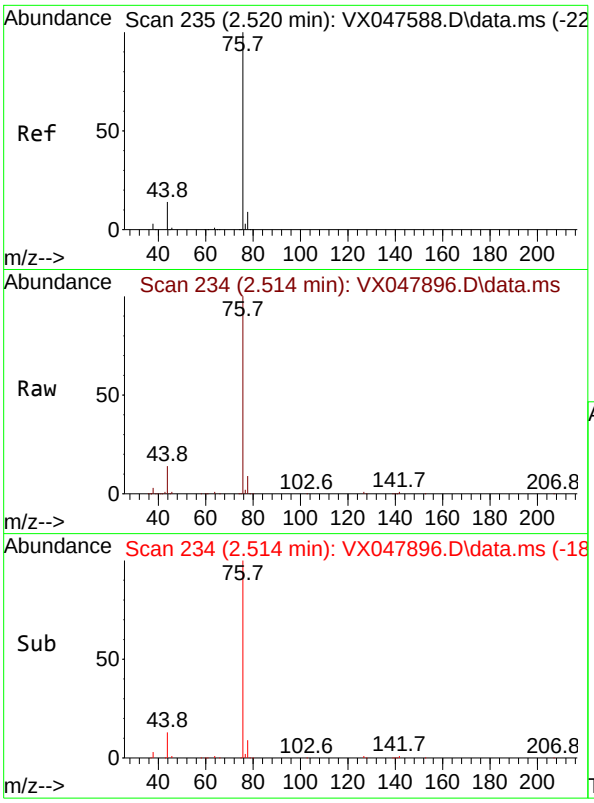


#16
Acetone
Concen: 260.508 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 43 Resp: 287150

Ion	Ratio	Lower	Upper
43	100		
58	30.5	23.4	35.0

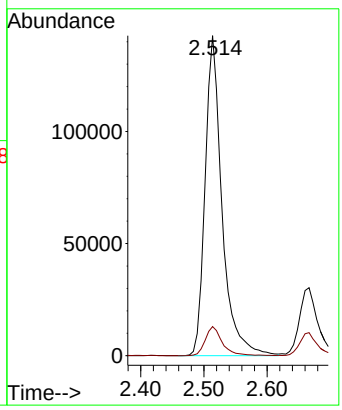




#17
Carbon Disulfide
Concen: 51.287 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 76 Resp: 26567

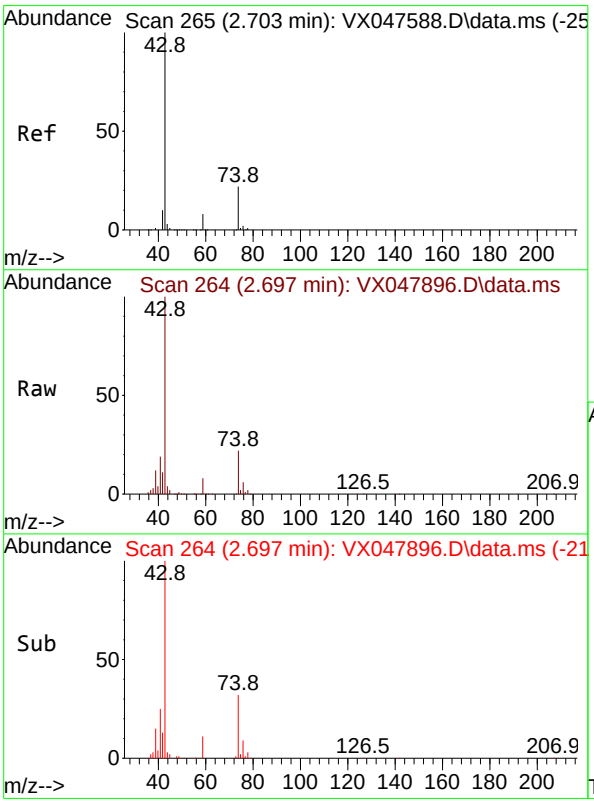
Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

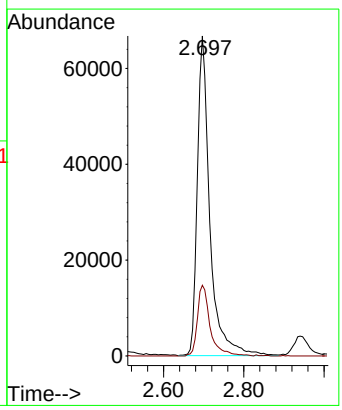
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

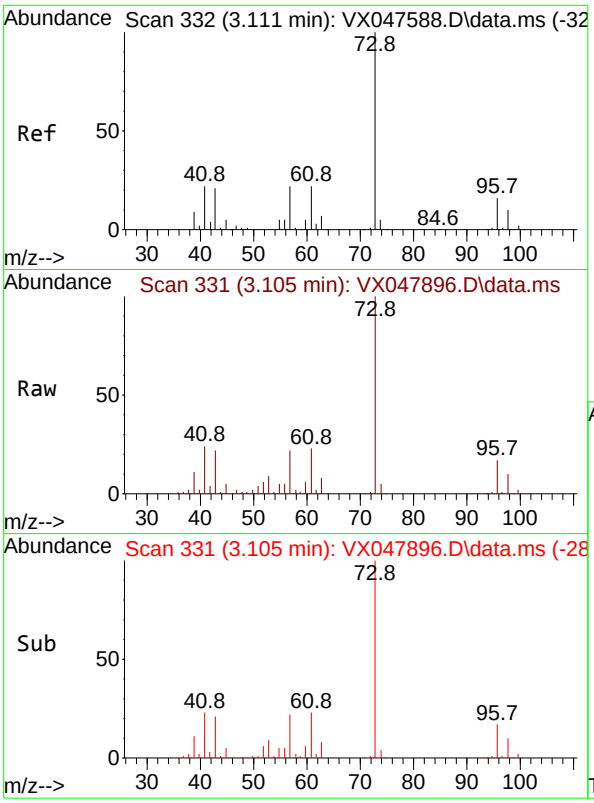


#18
Methyl Acetate
Concen: 58.977 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 43 Resp: 144676

Ion	Ratio	Lower	Upper
43	100		
74	22.5	17.4	26.2





#19
Methyl tert-butyl Ether
Concen: 52.887 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

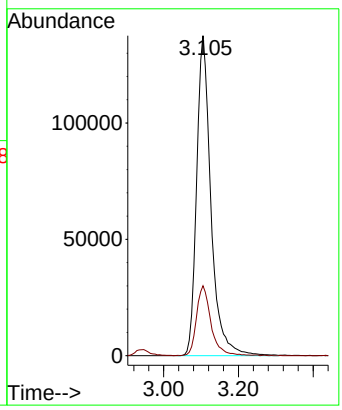
Tgt Ion: 73 Resp: 36531

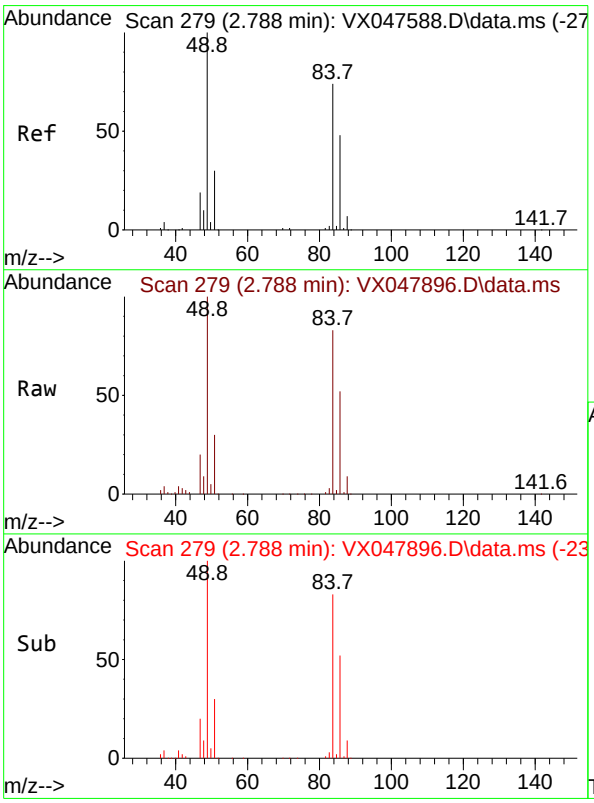
Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

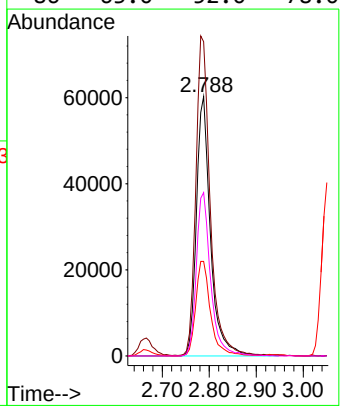


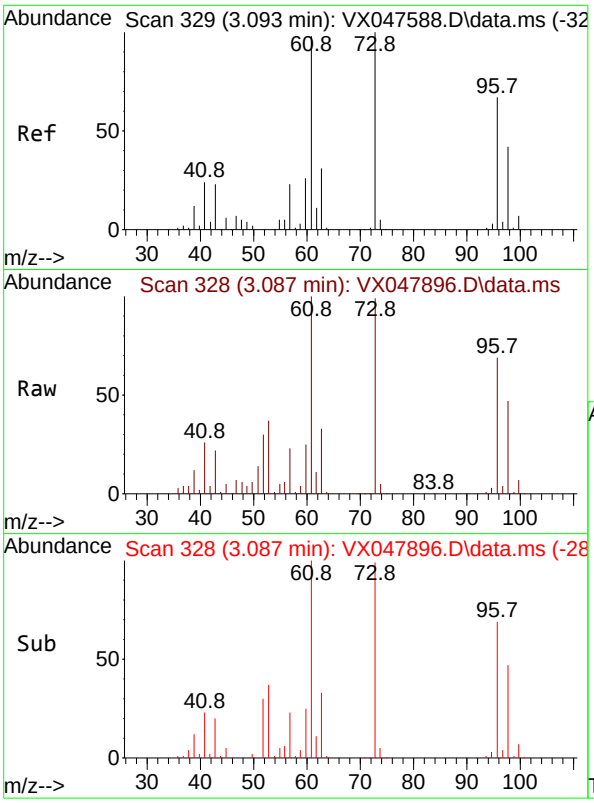


#20
Methylene Chloride
Concen: 53.997 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 84 Resp: 125986

Ion	Ratio	Lower	Upper
84	100		
49	120.9	108.6	162.8
51	36.5	32.6	48.8
86	63.0	52.0	78.0

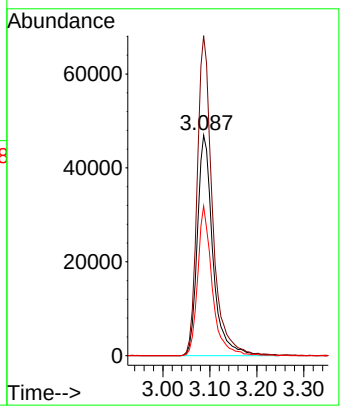




#21
trans-1,2-Dichloroethene
Concen: 53.079 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 96 Resp: 10813

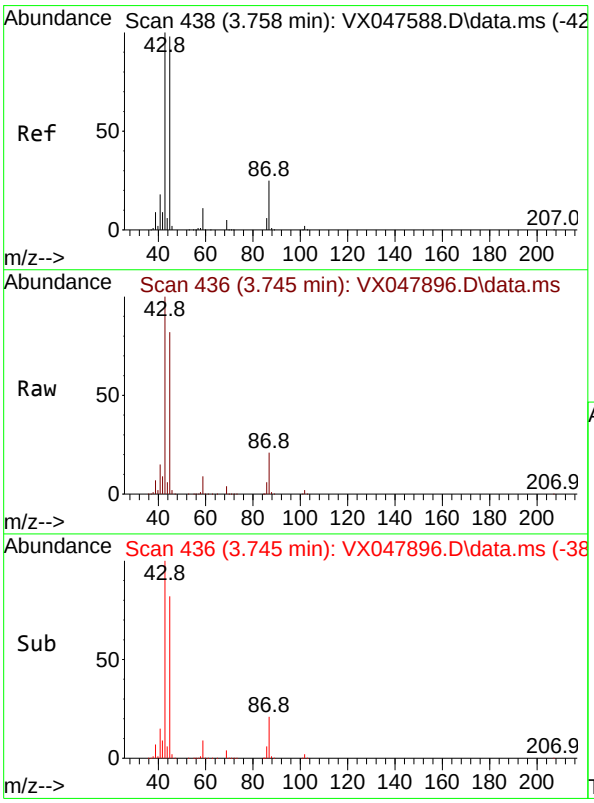
Ion	Ratio	Lower	Upper
96	100		
61	145.1	116.2	174.2
98	67.8	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

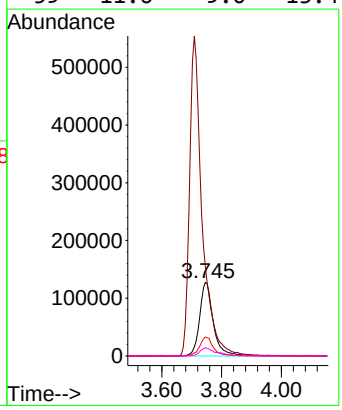
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

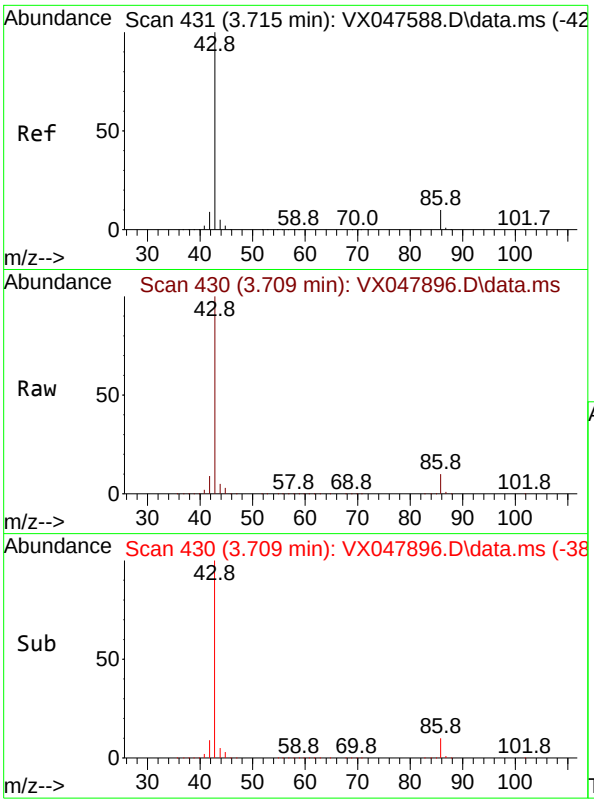


#22
Diisopropyl ether
Concen: 53.376 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 45 Resp: 403919

Ion	Ratio	Lower	Upper
45	100		
43	122.1	81.0	121.4#
87	25.7	20.3	30.5
59	11.6	9.0	13.4





#23
Vinyl Acetate
Concen: 268.522 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

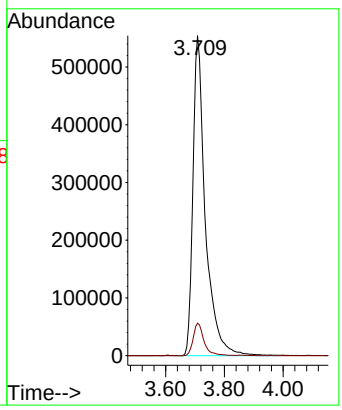
Tgt Ion: 43 Resp: 162630

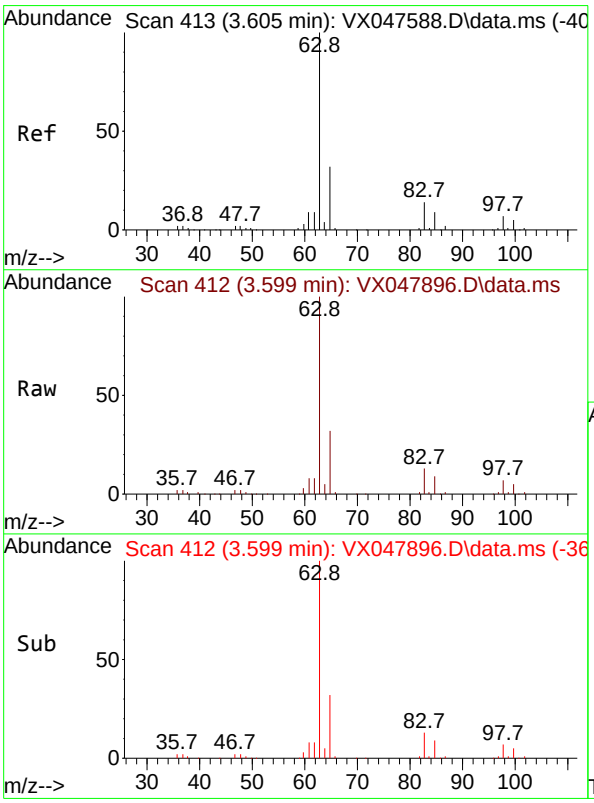
Ion	Ratio	Lower	Upper
43	100		
86	10.2	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

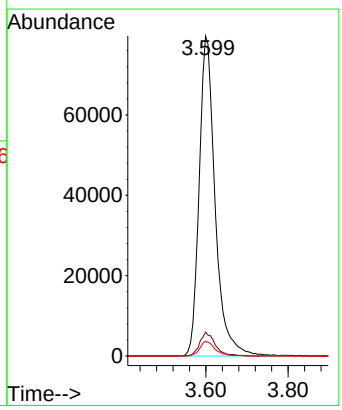


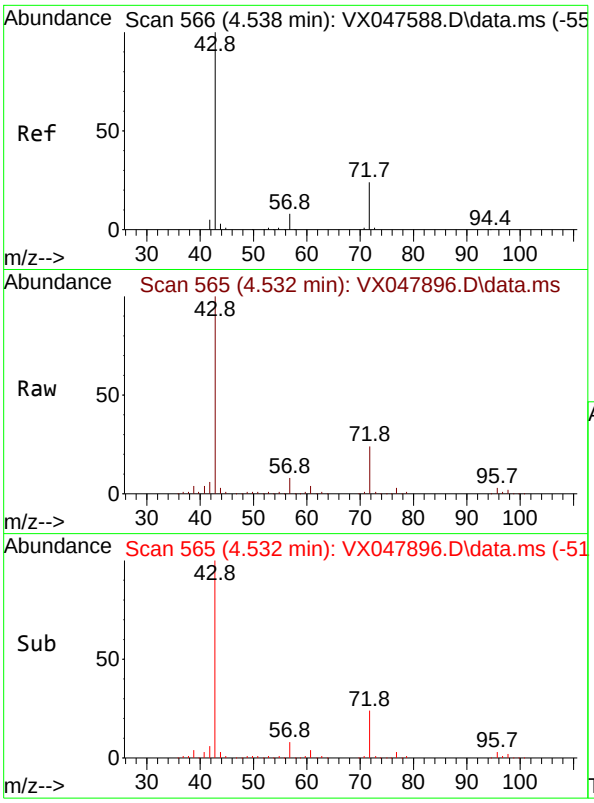


#24
1,1-Dichloroethane
Concen: 53.317 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 63 Resp: 214450

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.8	11.2
100	4.8	2.3	6.9





#25
2-Butanone
Concen: 268.637 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

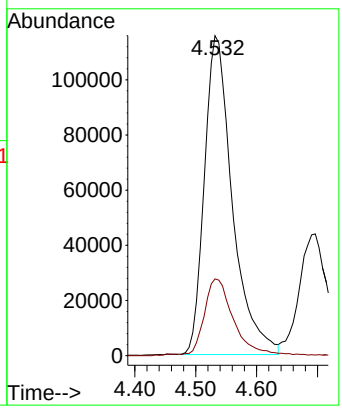
Tgt Ion: 43 Resp: 36936

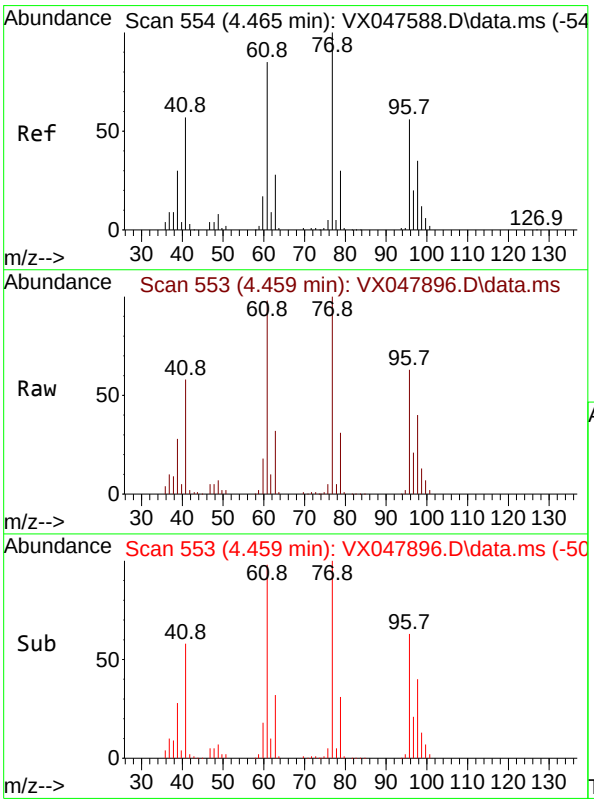
Ion	Ratio	Lower	Upper
43	100		
72	23.4	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

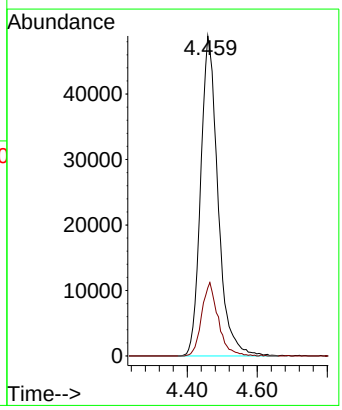


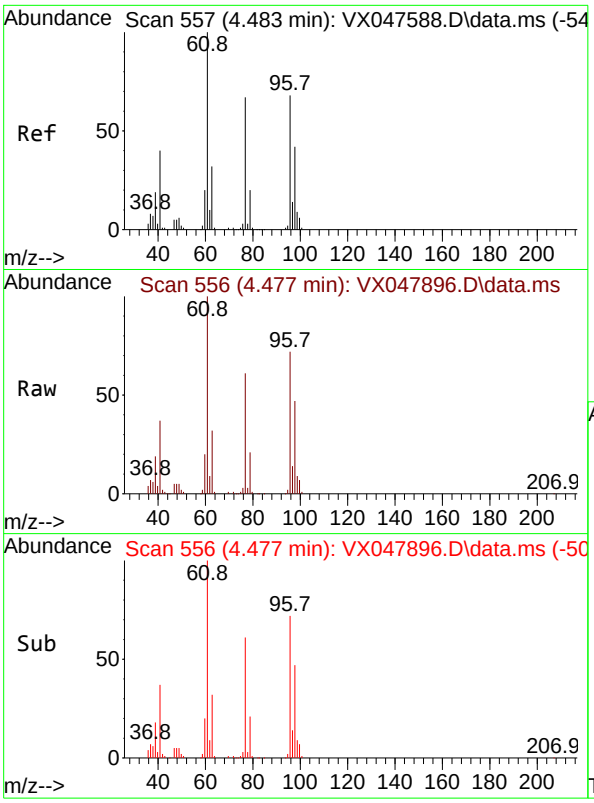


#26
2,2-Dichloropropane
Concen: 50.180 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 77 Resp: 167775

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.7





#27
cis-1,2-Dichloroethene
Concen: 52.997 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

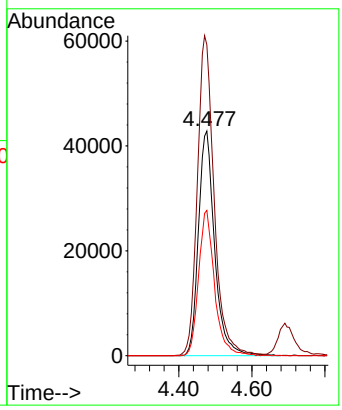
Tgt Ion: 96 Resp: 13222

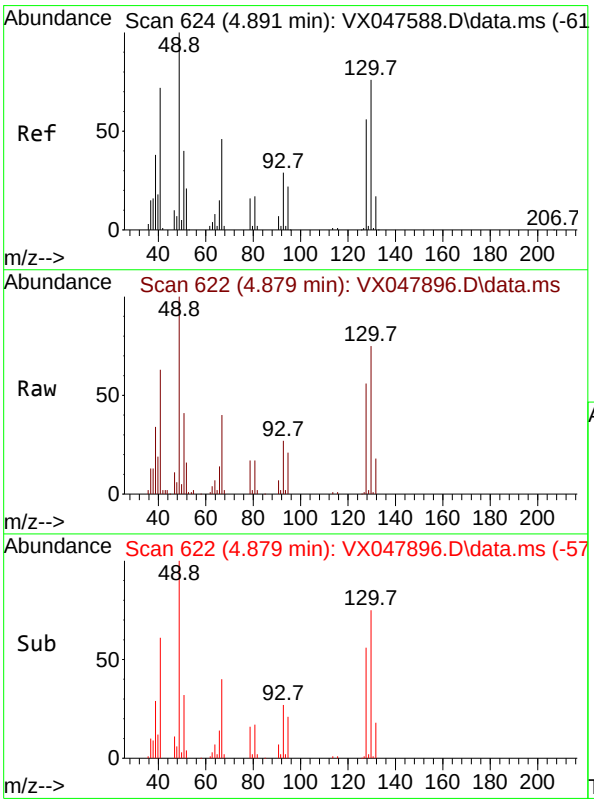
Ion	Ratio	Lower	Upper
96	100		
61	147.3	0.0	303.2
98	63.5	0.0	127.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

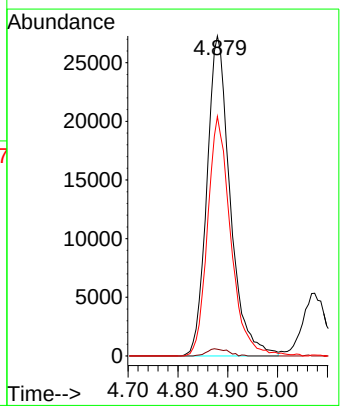


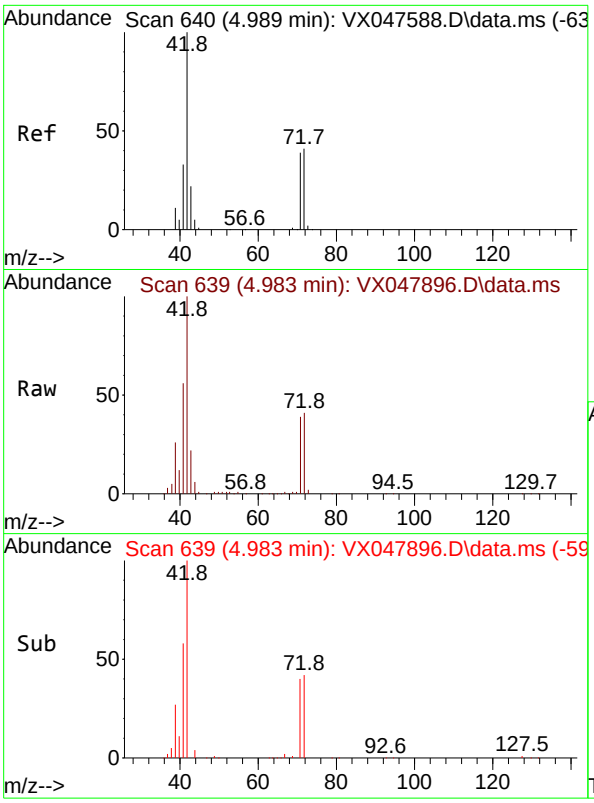


#28
Bromochloromethane
Concen: 50.341 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 49 Resp: 88396

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.2
130	74.2	57.8	86.8

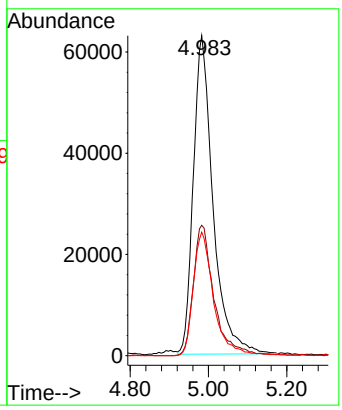




#29
Tetrahydrofuran
Concen: 266.130 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 42 Resp: 22012

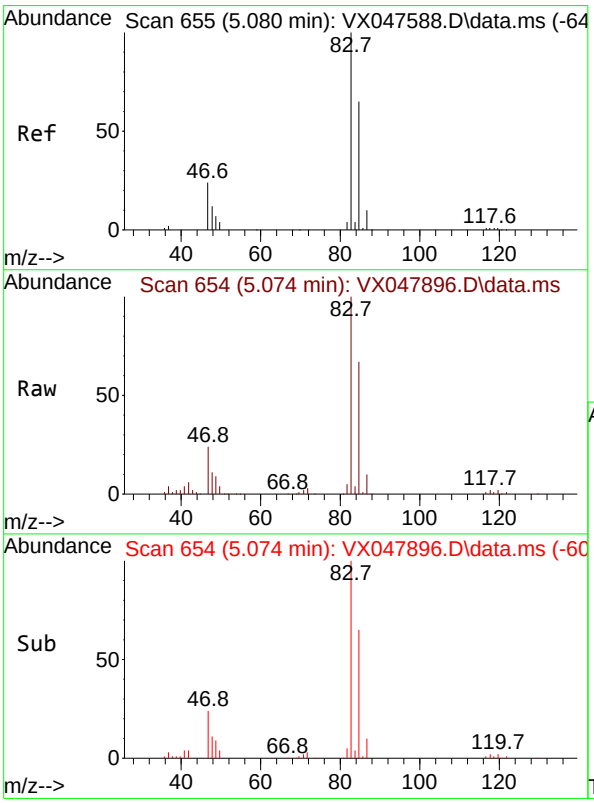
Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.2	51.2
71	39.9	31.9	47.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

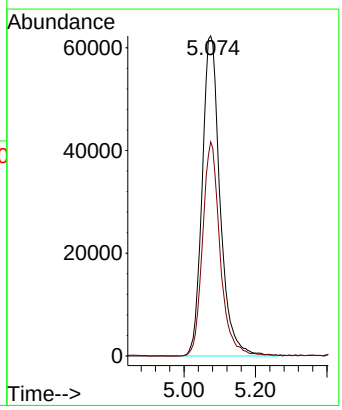
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

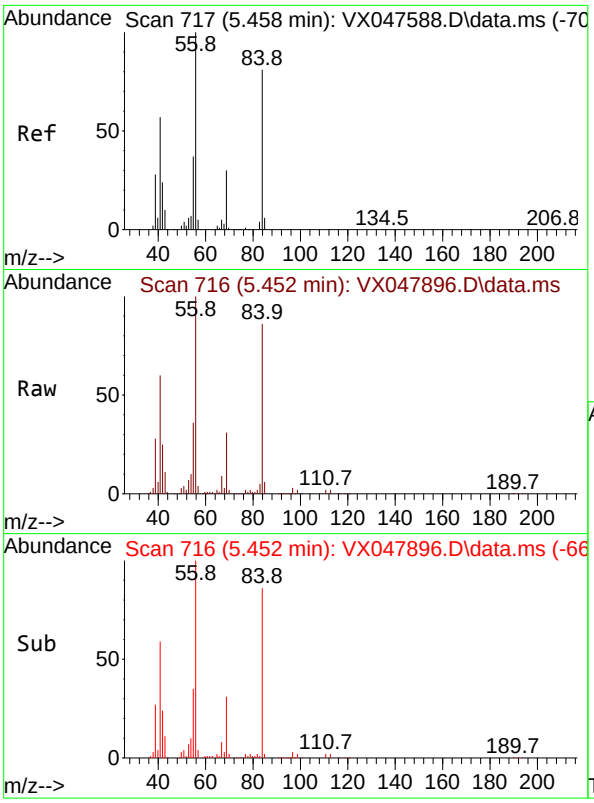


#30
Chloroform
Concen: 53.292 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 83 Resp: 216603

Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.8	77.6

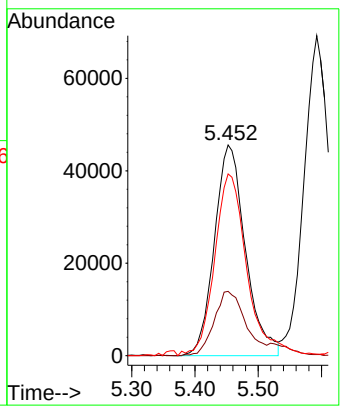




#31
Cyclohexane
Concen: 46.300 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 56 Resp: 15510

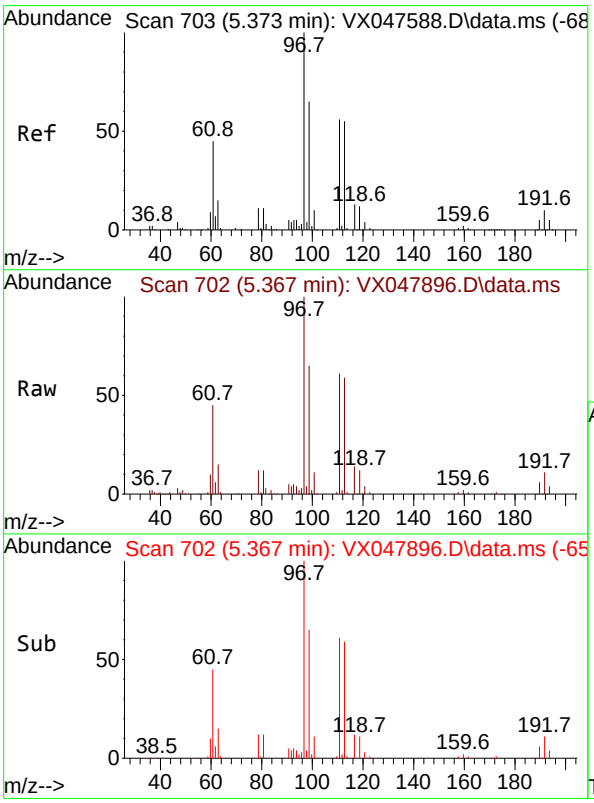
Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.8	35.8
84	86.3	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

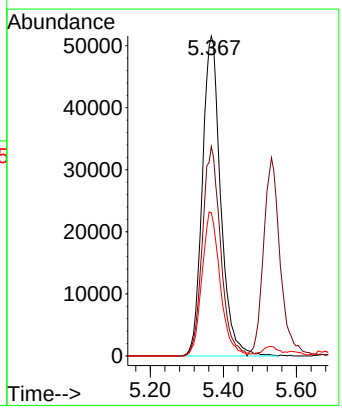
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

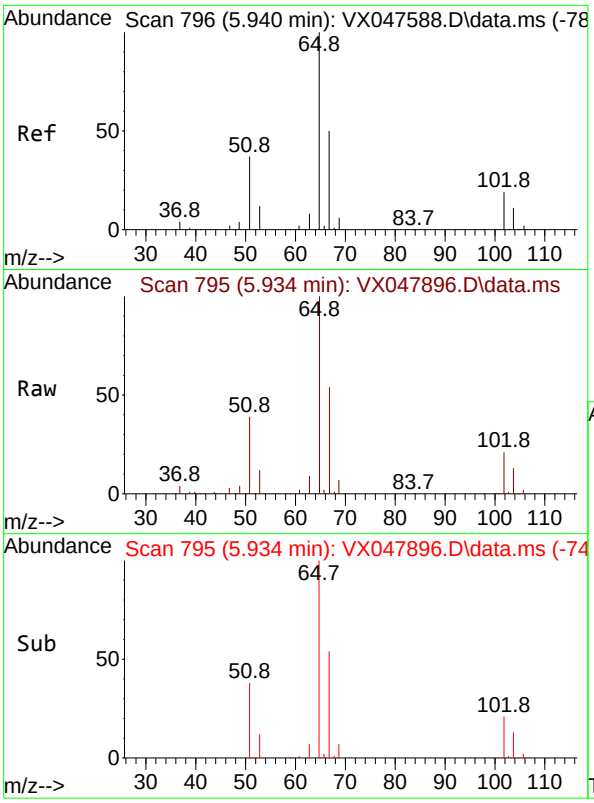


#32
1,1,1-Trichloroethane
Concen: 51.873 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 97 Resp: 178835

Ion	Ratio	Lower	Upper
97	100		
99	64.9	50.6	76.0
61	44.9	35.8	53.8

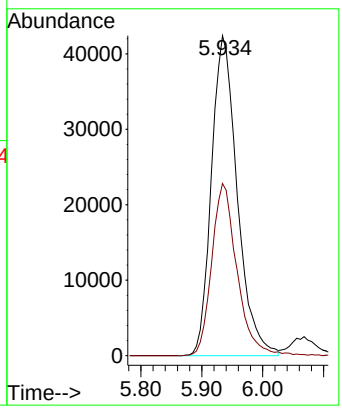




#33
1,2-Dichloroethane-d4
Concen: 49.199 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 65 Resp: 12472

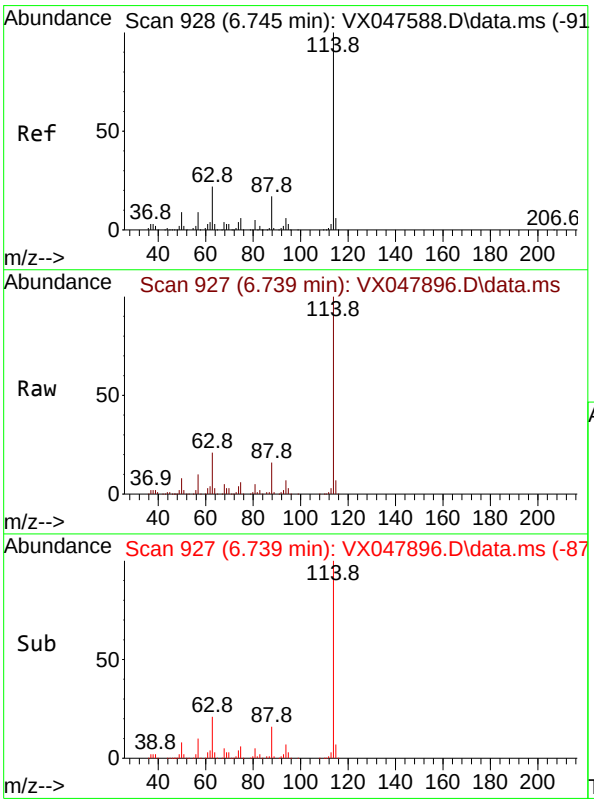
Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

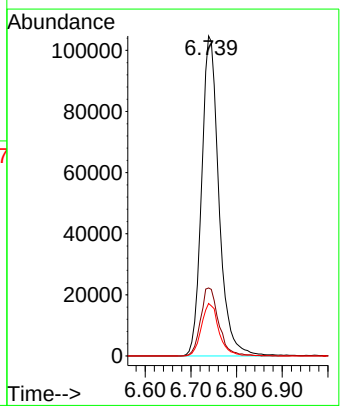
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

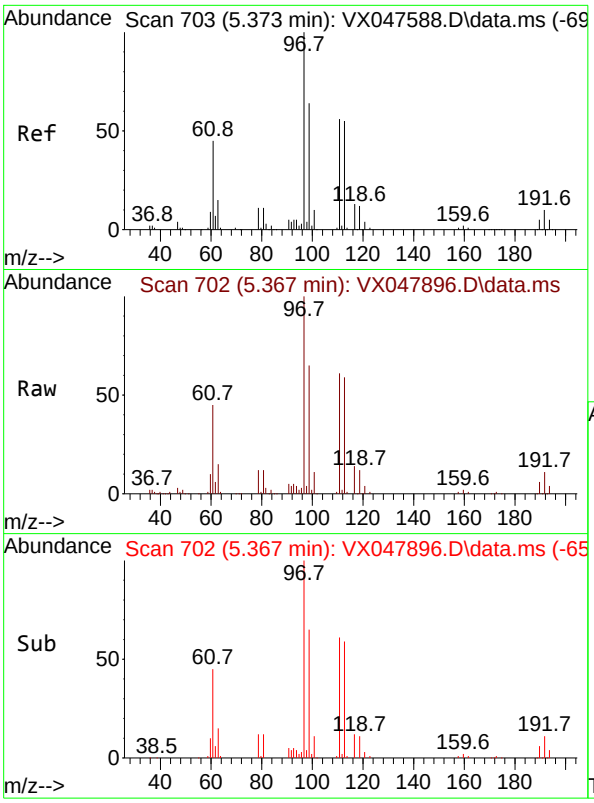


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:114 Resp: 274684

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	44.0
88	16.4	0.0	34.2

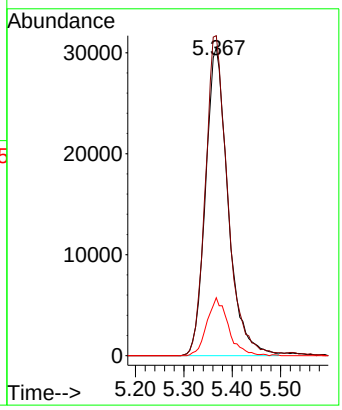




#35
Dibromofluoromethane
Concen: 53.545 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:113 Resp: 9864

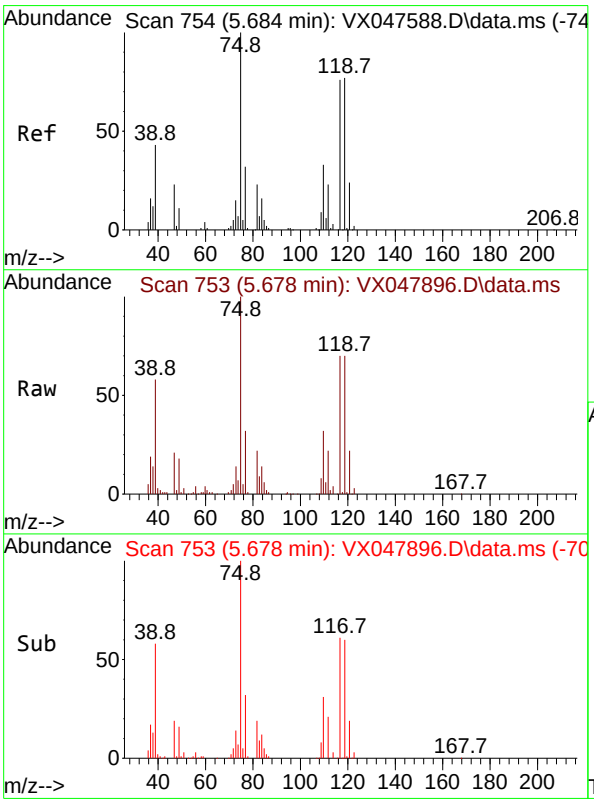
Ion	Ratio	Lower	Upper
113	100		
111	103.0	80.9	121.3
192	18.0	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

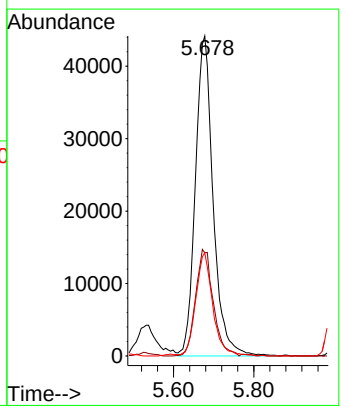
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

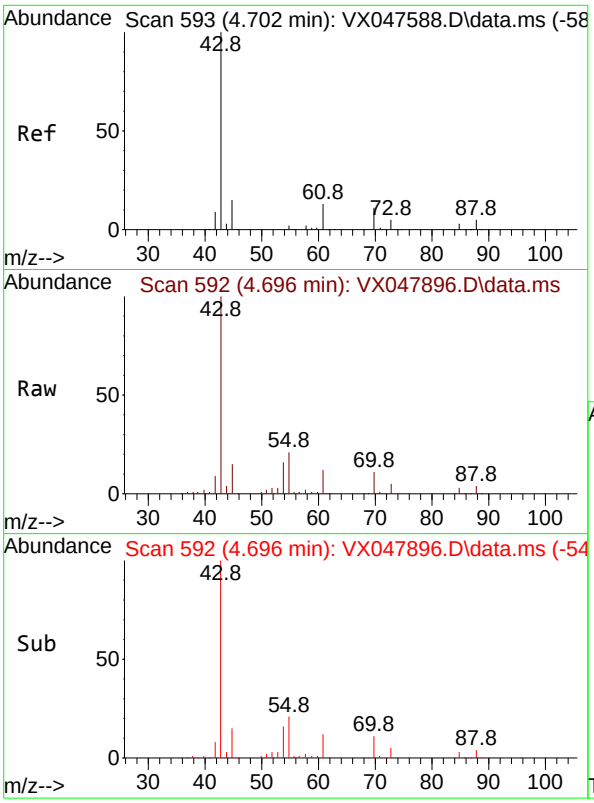


#36
1,1-Dichloropropene
Concen: 50.427 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 75 Resp: 135743

Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.7	50.1
77	31.0	24.3	36.5





#37
Ethyl Acetate
Concen: 52.801 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

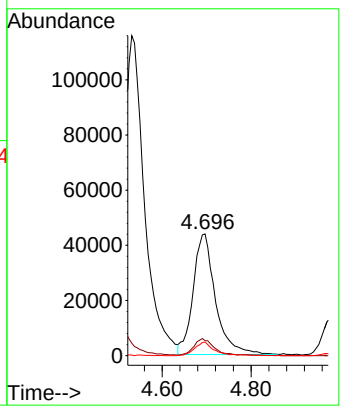
Tgt Ion: 43 Resp: 15218

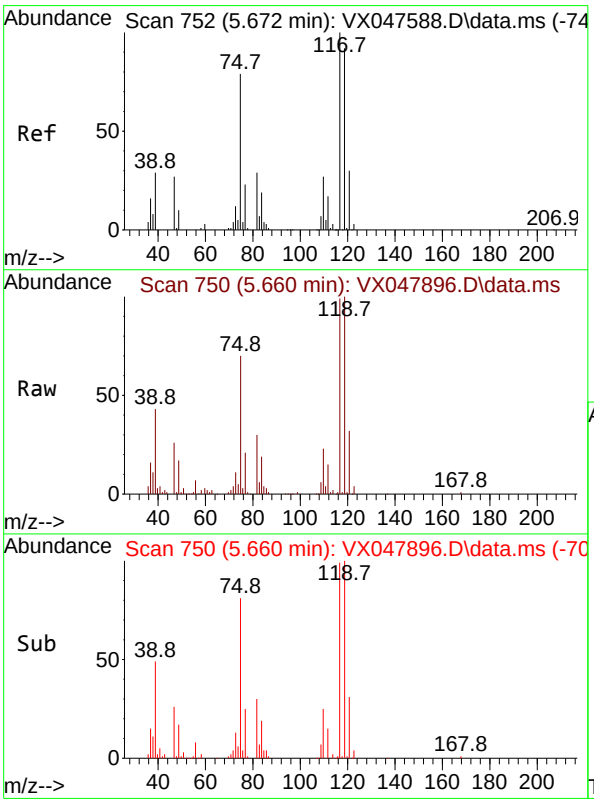
Ion	Ratio	Lower	Upper
43	100		
61	11.5	9.8	14.8
70	10.0	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

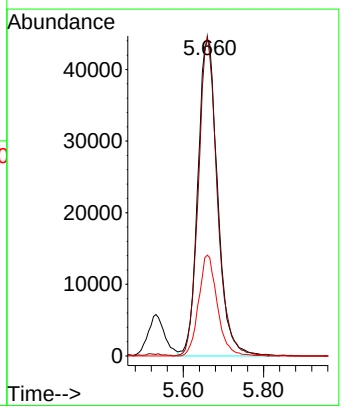


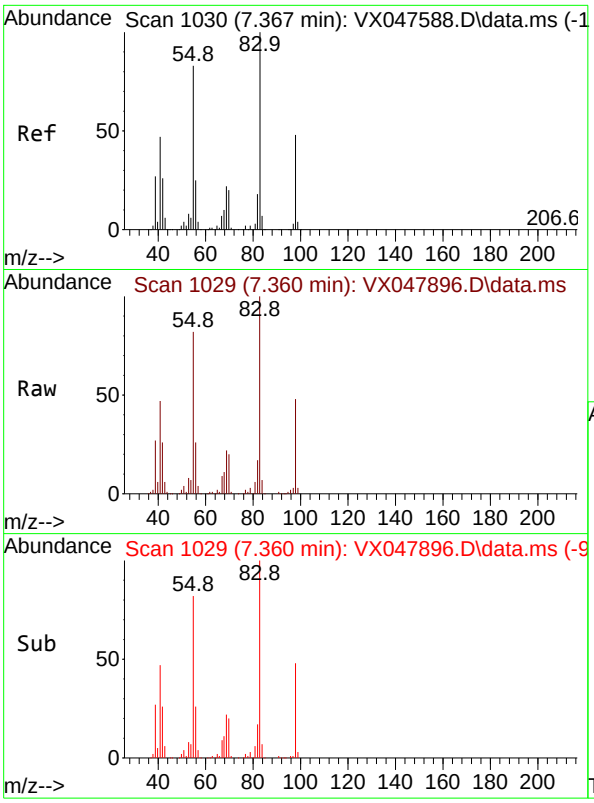


#38
Carbon Tetrachloride
Concen: 51.882 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:117 Resp: 151743

Ion	Ratio	Lower	Upper
117	100		
119	100.8	73.4	110.2
121	31.8	23.8	35.6





#39
Methylcyclohexane
Concen: 46.130 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

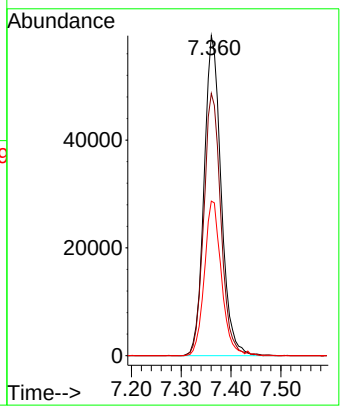
Tgt Ion: 83 Resp: 14095

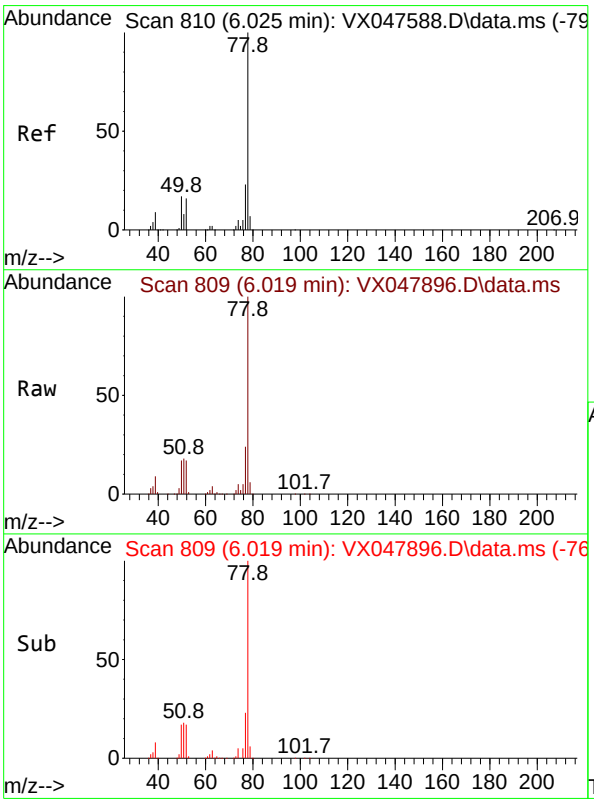
Ion	Ratio	Lower	Upper
83	100		
55	82.0	66.4	99.6
98	48.3	38.1	57.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

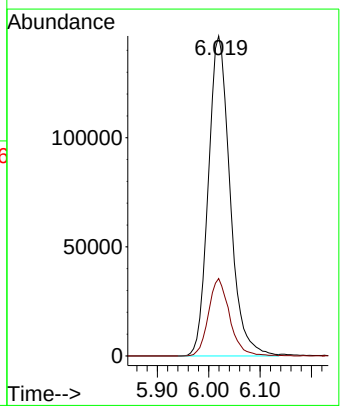


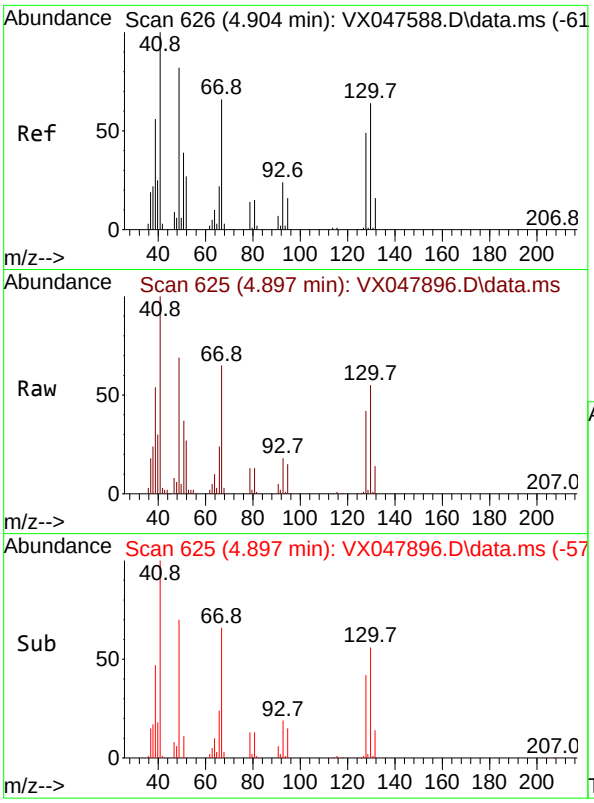


#40
Benzene
Concen: 52.564 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 78 Resp: 429759

Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.8	28.2

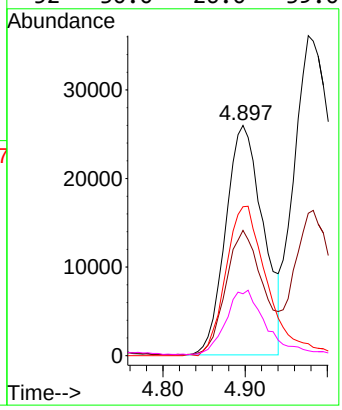




#41
Methacrylonitrile
Concen: 55.402 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 41 Resp: 8243

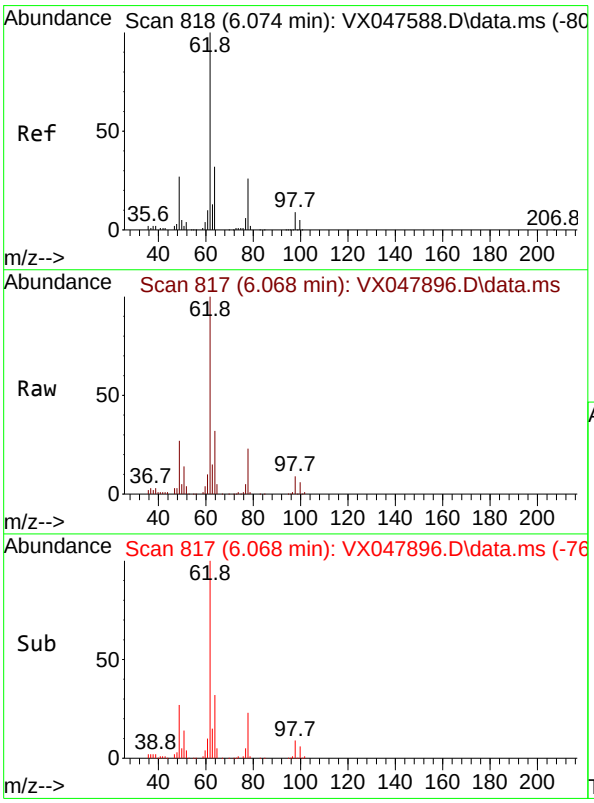
Ion	Ratio	Lower	Upper
41	100		
39	53.6	43.3	64.9
67	72.9	58.6	87.8
52	30.0	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

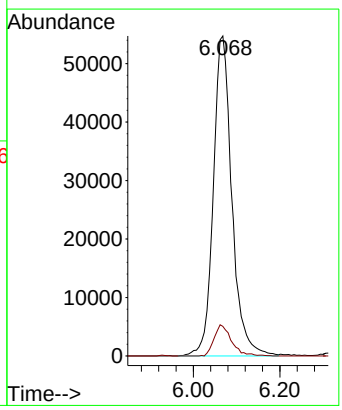
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

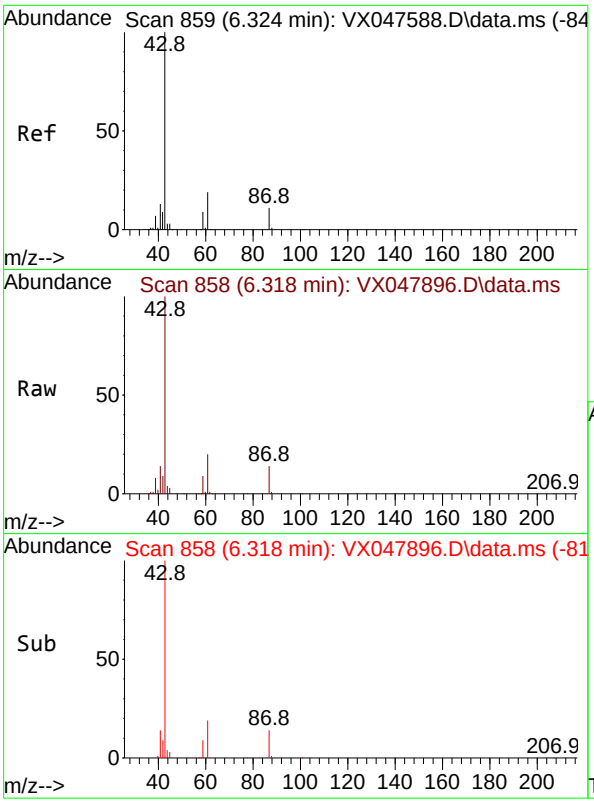


#42
1,2-Dichloroethane
Concen: 52.407 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 62 Resp: 163028

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.0





#43
Isopropyl Acetate
Concen: 51.856 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

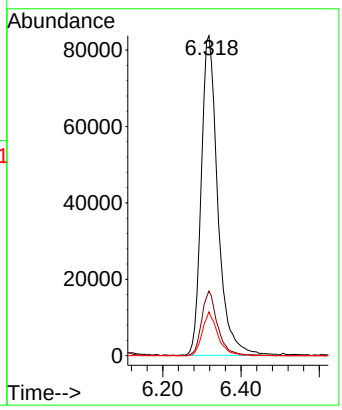
Tgt Ion: 43 Resp: 24512

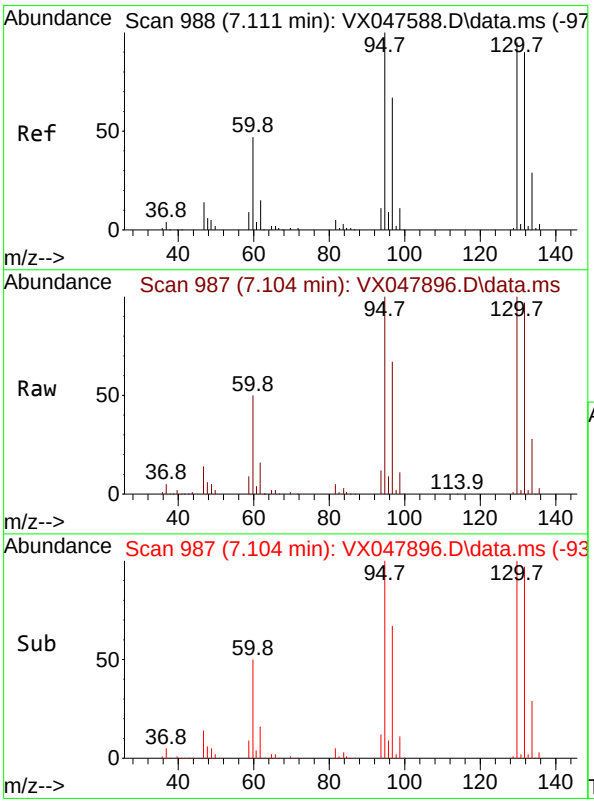
Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.2	22.8
87	12.8	9.6	14.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

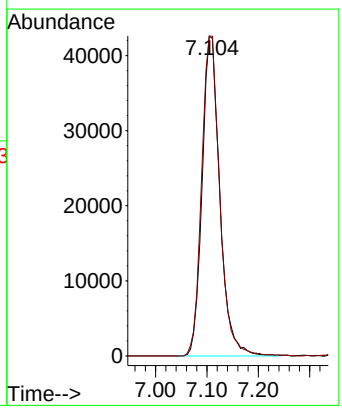


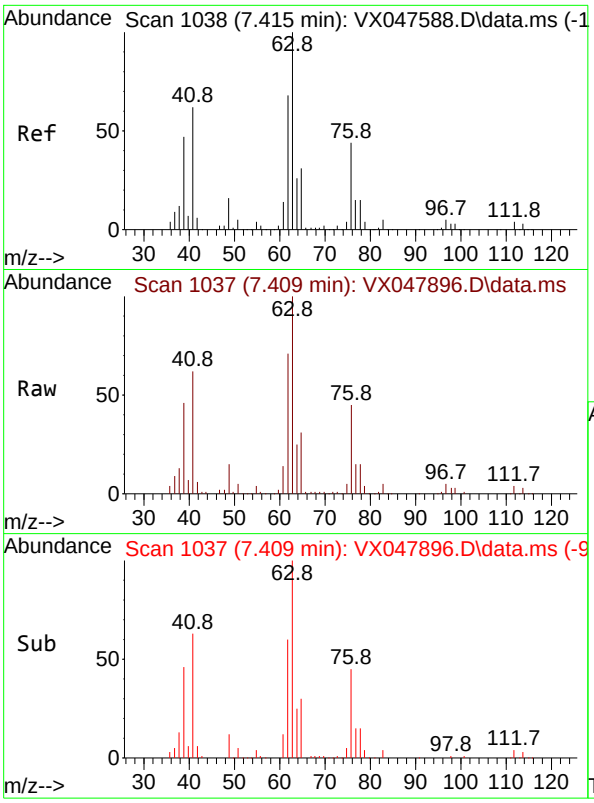


#44
Trichloroethene
Concen: 51.493 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:130 Resp: 101783

Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	210.8





#45
1,2-Dichloropropane
Concen: 54.152 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

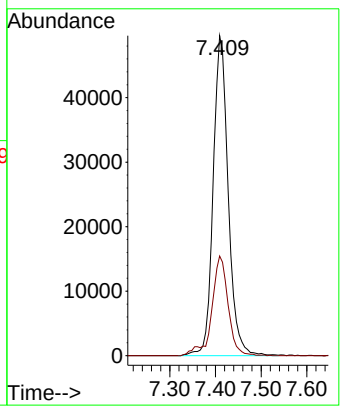
Tgt Ion: 63 Resp: 11336

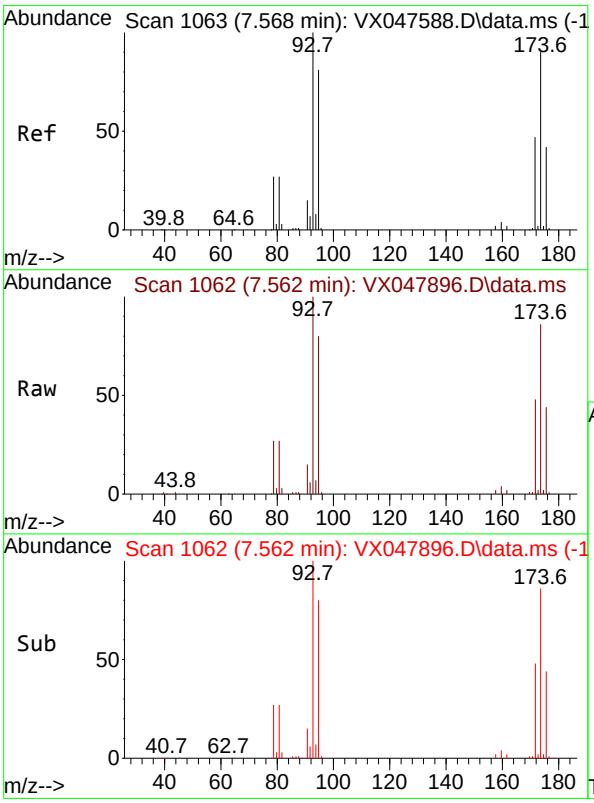
Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

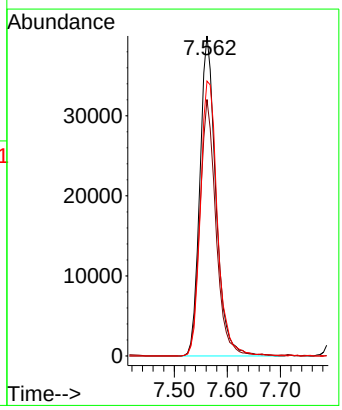


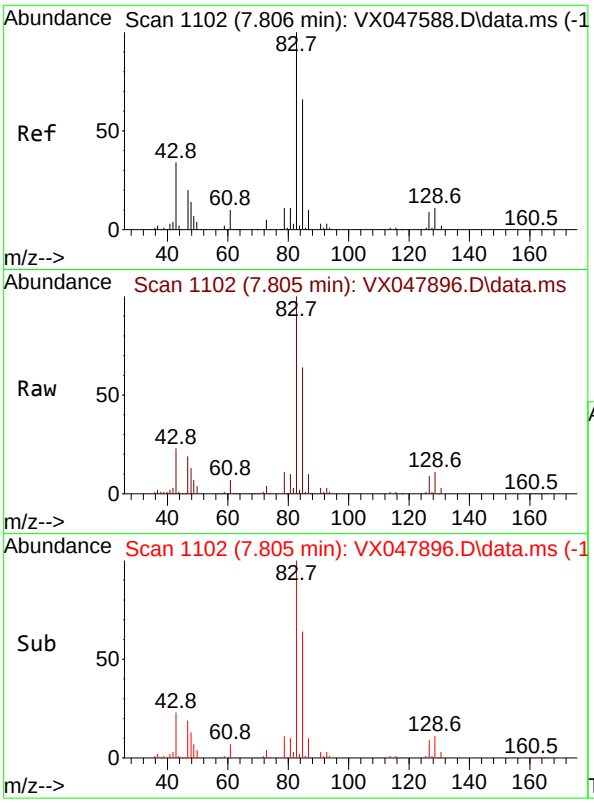


#46
Dibromomethane
Concen: 55.050 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 93 Resp: 83867

Ion	Ratio	Lower	Upper
93	100		
95	80.1	65.0	97.6
174	91.2	71.6	107.4

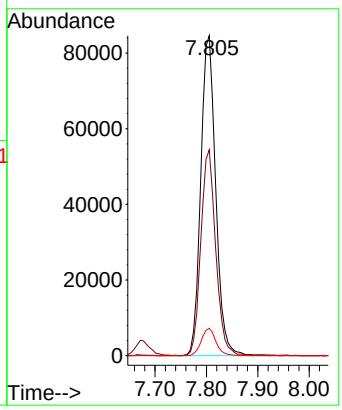




#47
Bromodichloromethane
Concen: 54.329 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 83 Resp: 17079

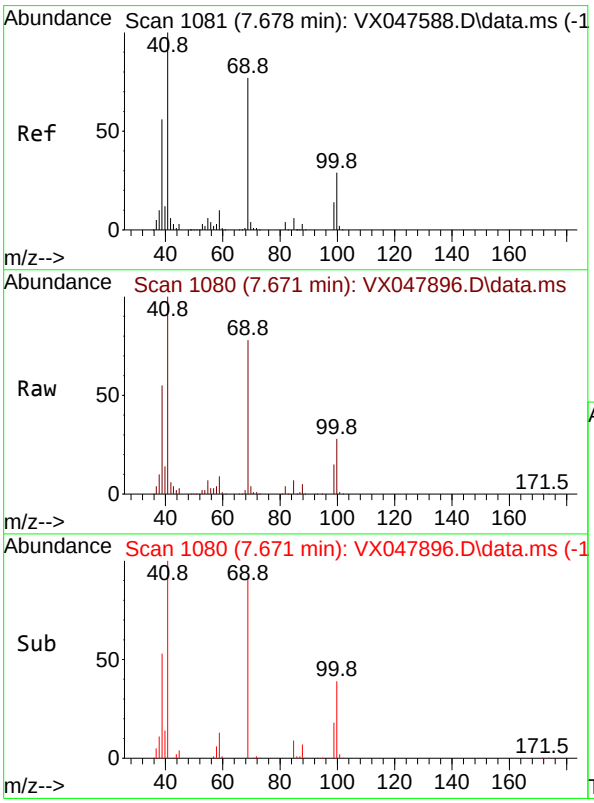
Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.5	78.7
127	8.5	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

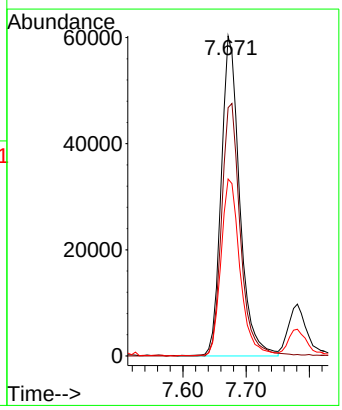
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

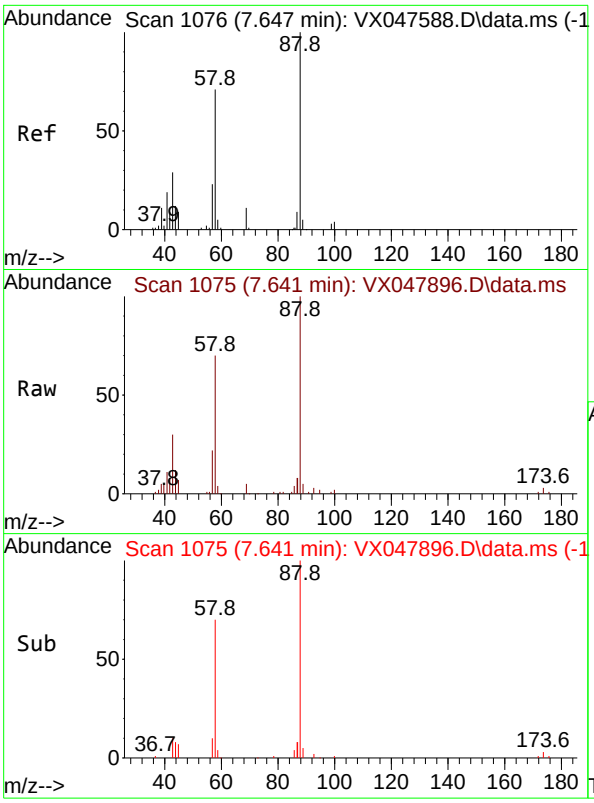


#48
Methyl methacrylate
Concen: 51.936 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 41 Resp: 122288

Ion	Ratio	Lower	Upper
41	100		
69	80.0	61.4	92.2
39	56.8	45.8	68.6





#49
1,4-Dioxane
Concen: 1262.927 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

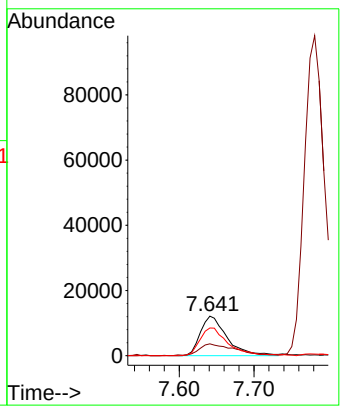
Tgt Ion: 88 Resp: 3005

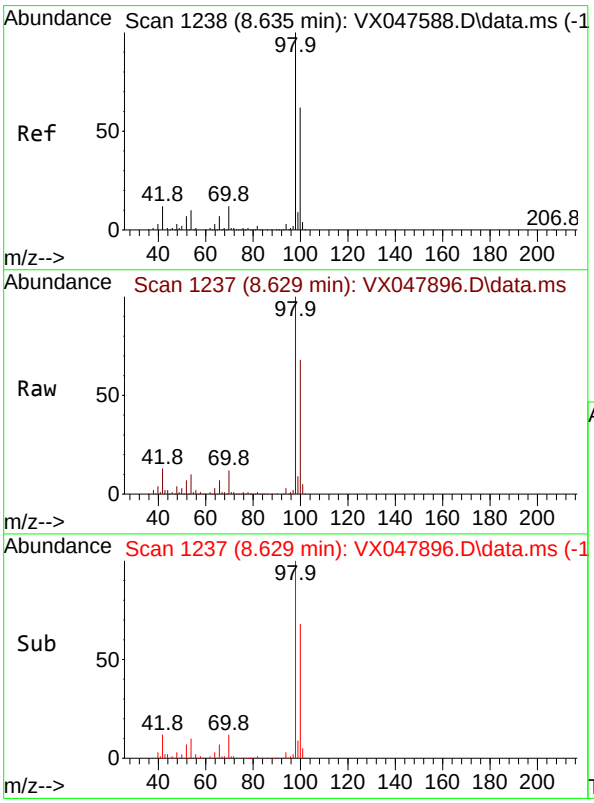
Ion	Ratio	Lower	Upper
88	100		
43	40.3	30.2	45.2
58	74.5	59.5	89.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

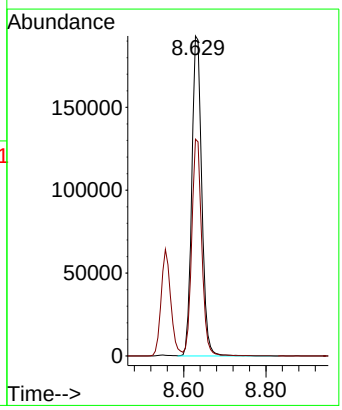


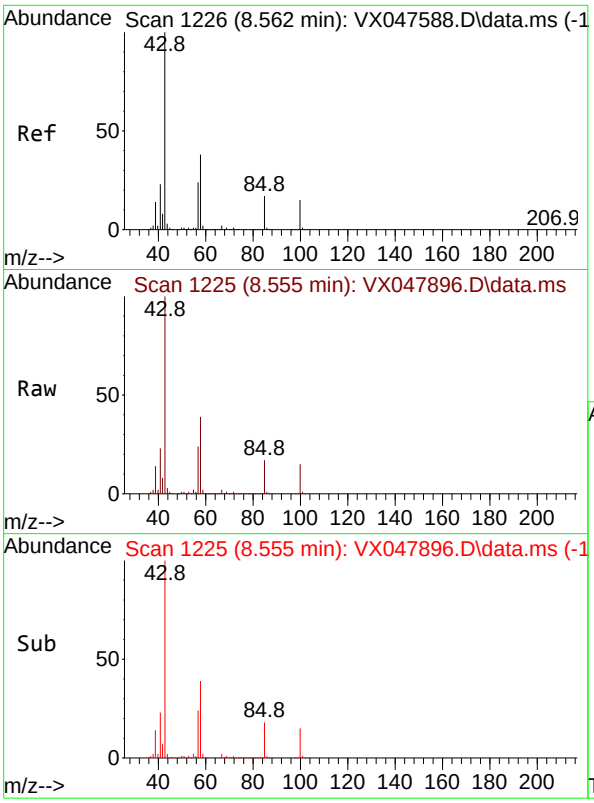


#50
Toluene-d8
Concen: 51.009 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 98 Resp: 325148

Ion	Ratio	Lower	Upper
98	100		
100	67.4	53.0	79.4





#51
4-Methyl-2-Pentanone
Concen: 274.485 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

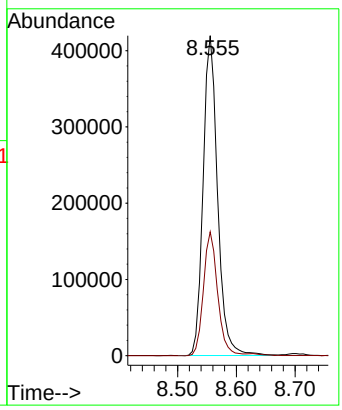
Tgt Ion: 43 Resp: 71938

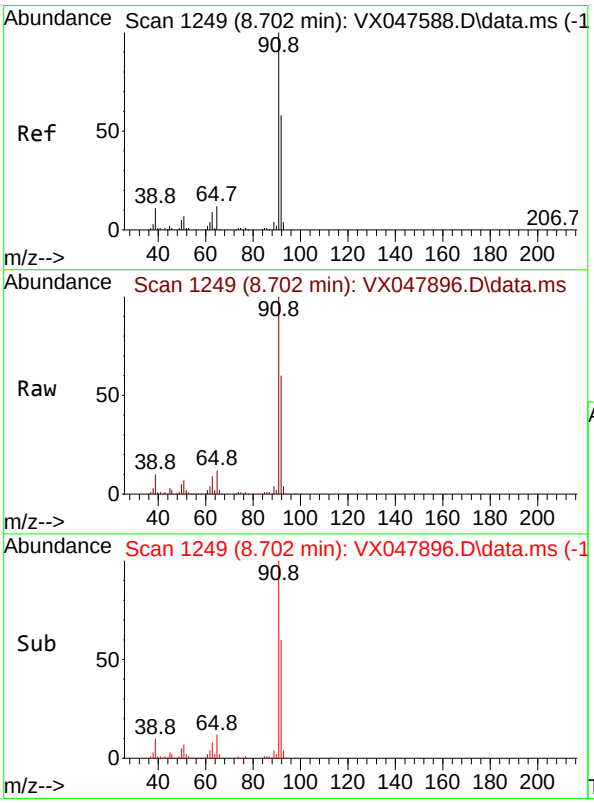
Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.3	45.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

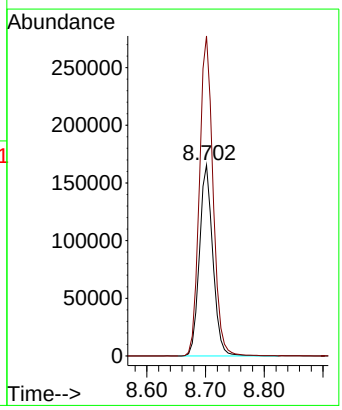


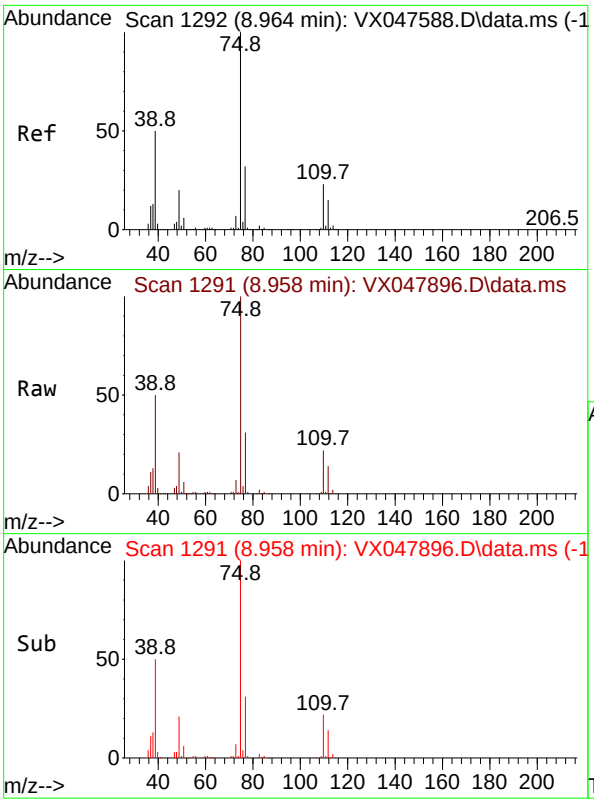


#52
Toluene
Concen: 52.039 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 92 Resp: 262130

Ion	Ratio	Lower	Upper
92	100		
91	170.6	137.1	205.7

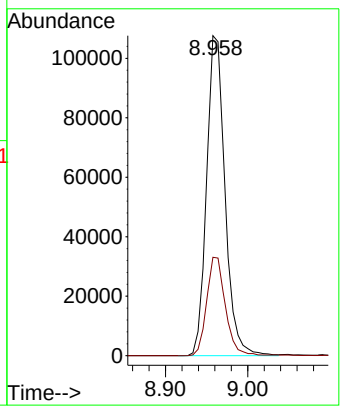




#53
t-1,3-Dichloropropene
Concen: 52.199 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 75 Resp: 16738

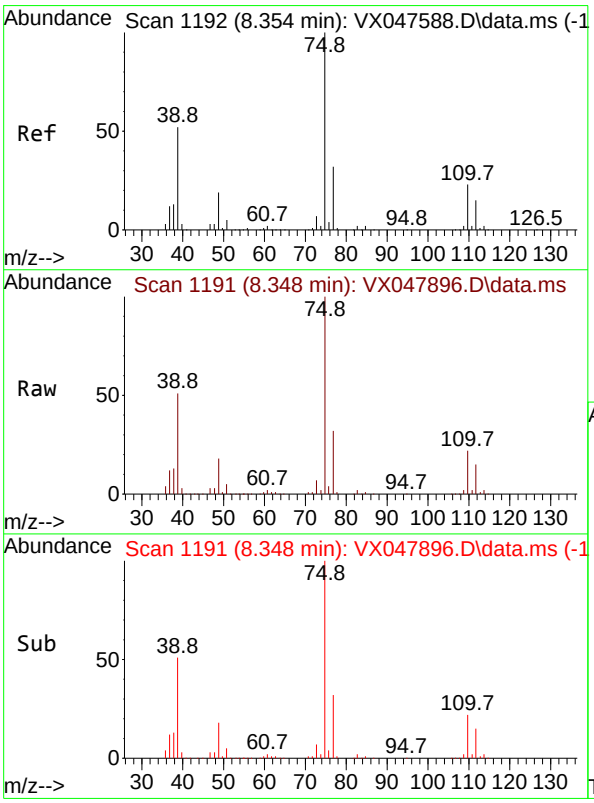
Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

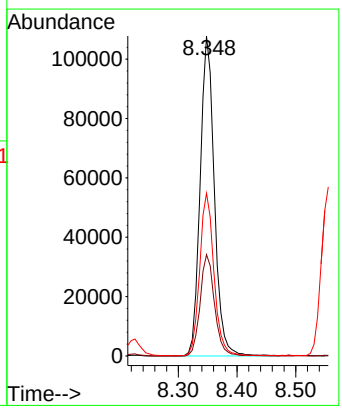
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

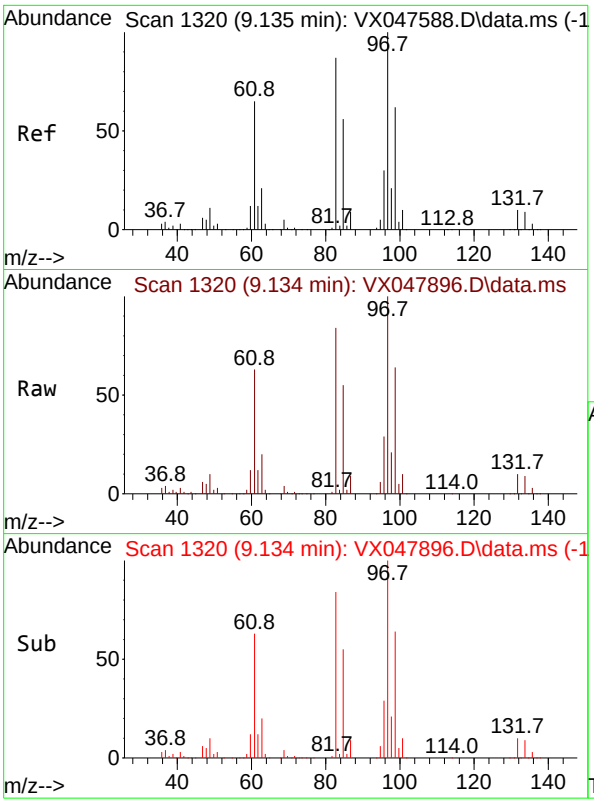


#54
cis-1,3-Dichloropropene
Concen: 52.821 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 75 Resp: 181042

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.8	38.6
39	50.8	41.4	62.2

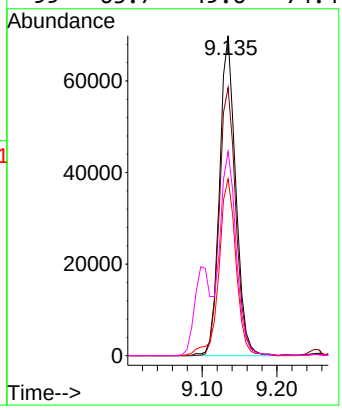




#55
1,1,2-Trichloroethane
Concen: 54.267 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 97 Resp: 10540

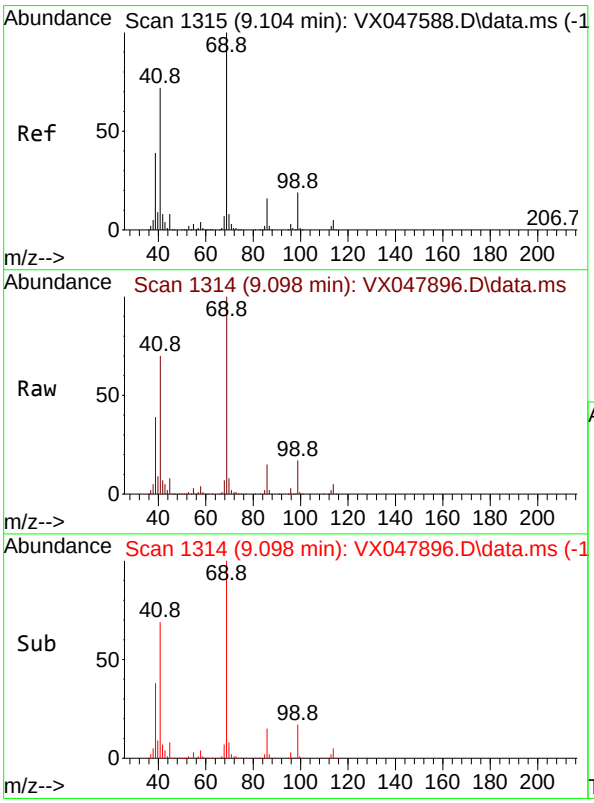
Ion	Ratio	Lower	Upper
97	100		
83	83.8	69.6	104.4
85	55.3	45.0	67.6
99	63.7	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

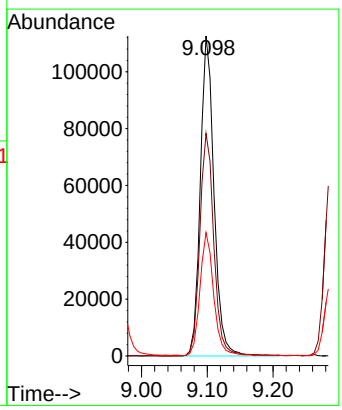
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

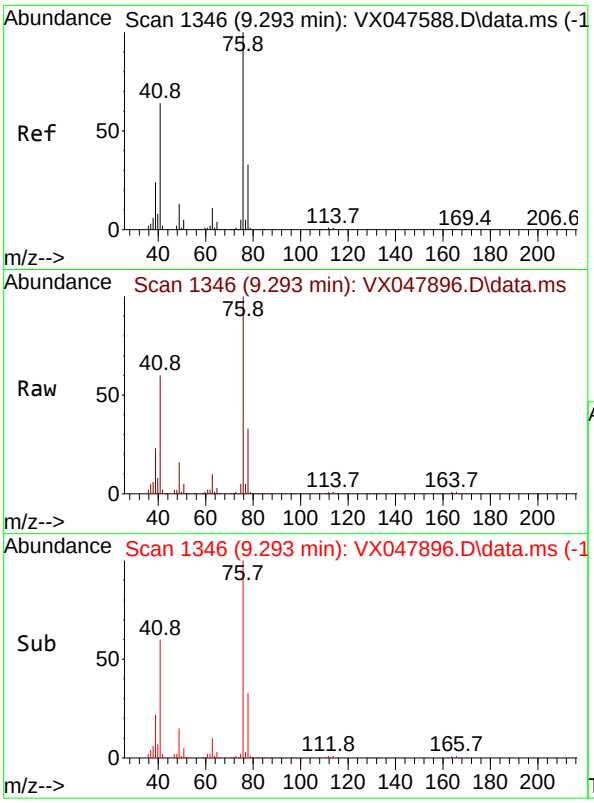


#56
Ethyl methacrylate
Concen: 53.463 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 69 Resp: 163078

Ion	Ratio	Lower	Upper
69	100		
41	71.4	58.6	87.8
39	38.9	31.5	47.3





#57
1,3-Dichloropropane
Concen: 54.741 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

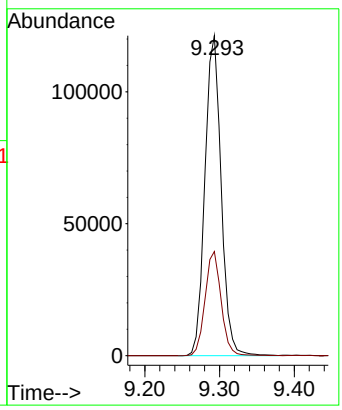
Tgt Ion: 76 Resp: 18264

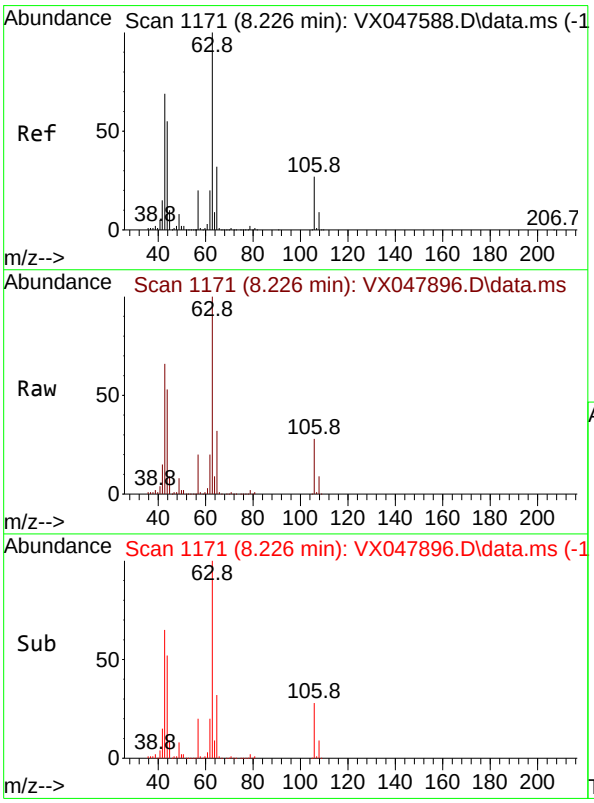
Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.2	39.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

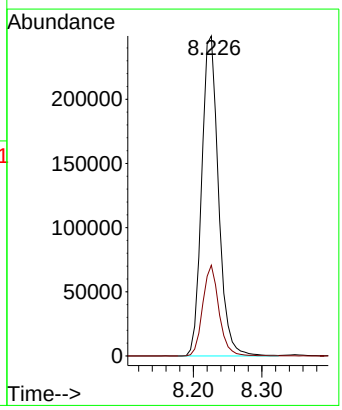


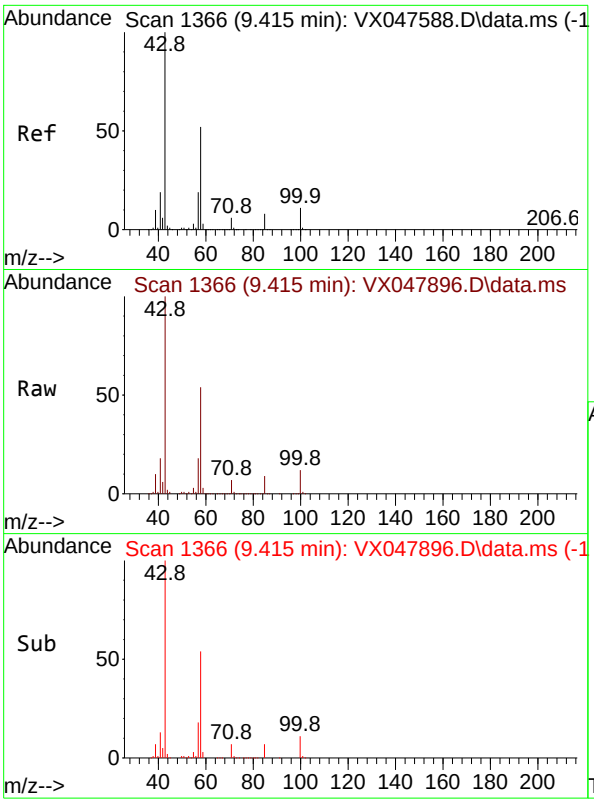


#58
2-Chloroethyl Vinyl ether
Concen: 288.987 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 63 Resp: 425504

Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.9	32.9





#59
2-Hexanone
Concen: 267.273 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

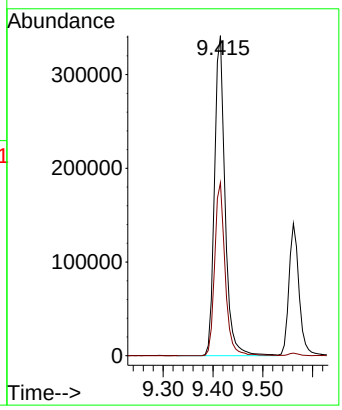
Tgt Ion: 43 Resp: 50309

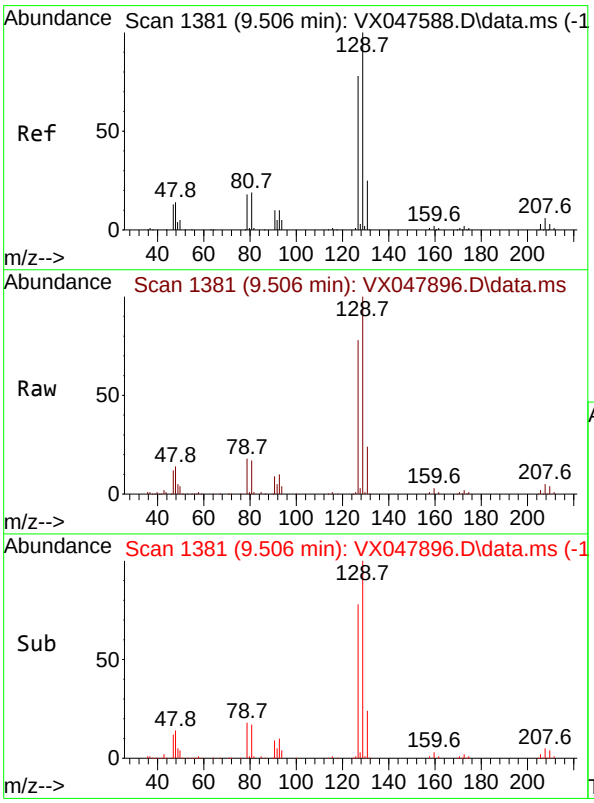
Ion	Ratio	Lower	Upper
43	100		
58	53.5	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

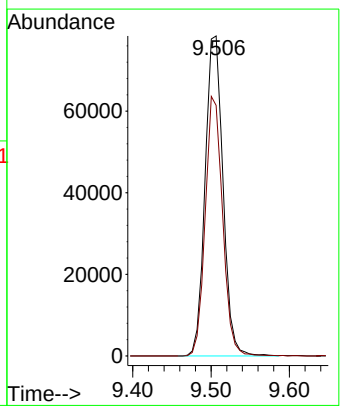


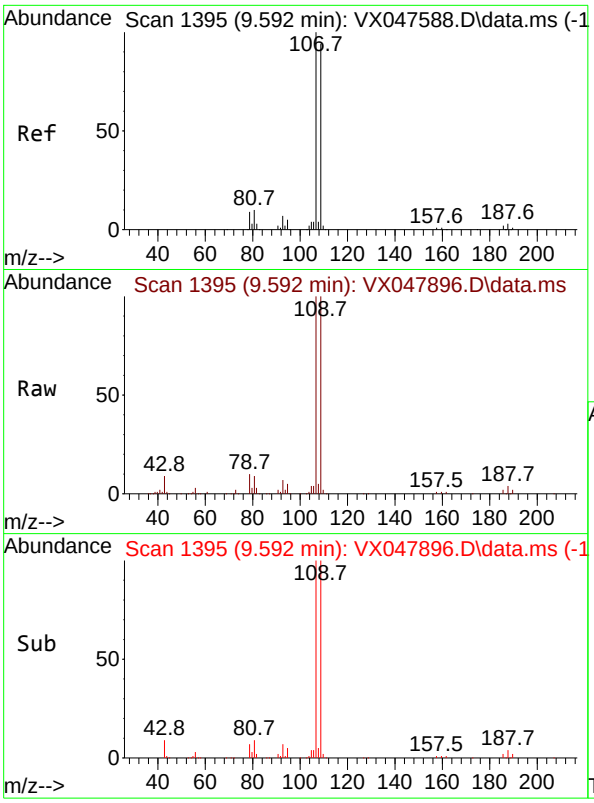


#60
Dibromochloromethane
Concen: 55.448 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:129 Resp: 124090

Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.4	115.2





#61
1,2-Dibromoethane
Concen: 54.903 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

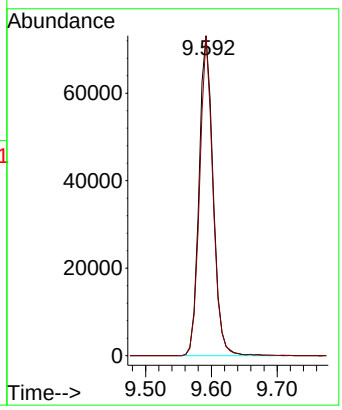
Tgt Ion:107 Resp: 10861

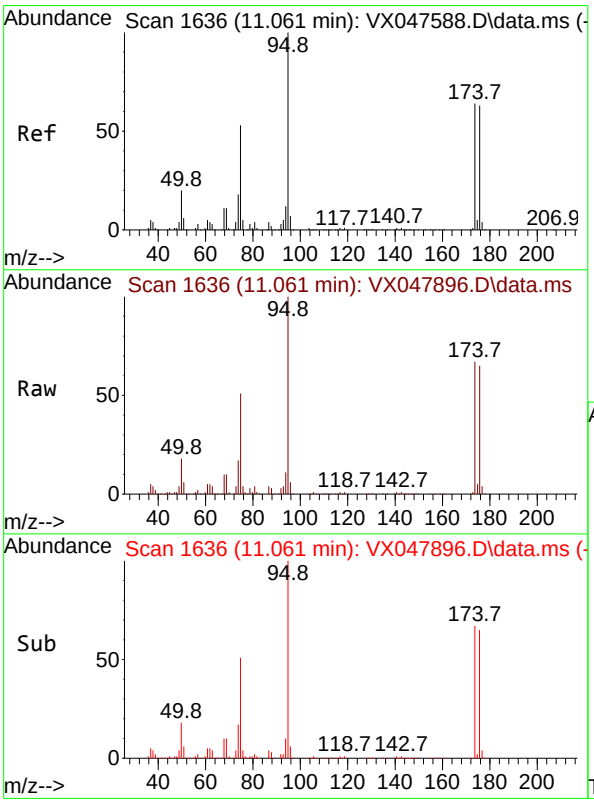
Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.3	112.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

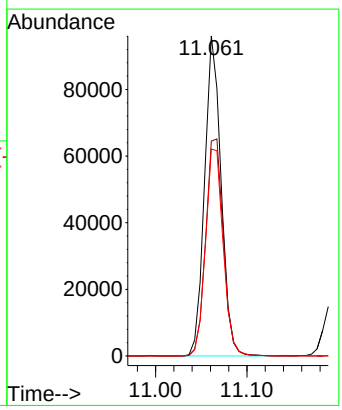


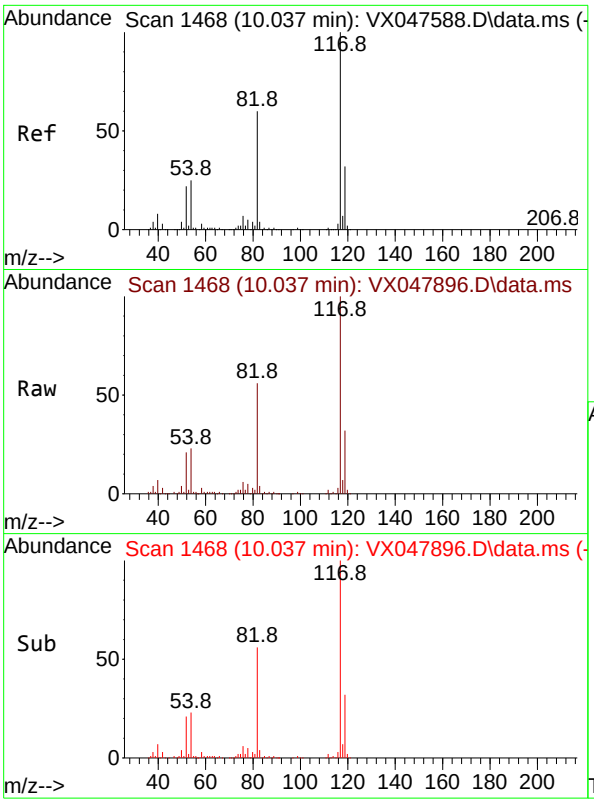


#62
4-Bromofluorobenzene
Concen: 49.687 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 95 Resp: 120201

Ion	Ratio	Lower	Upper
95	100		
174	72.7	0.0	141.6
176	69.3	0.0	138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

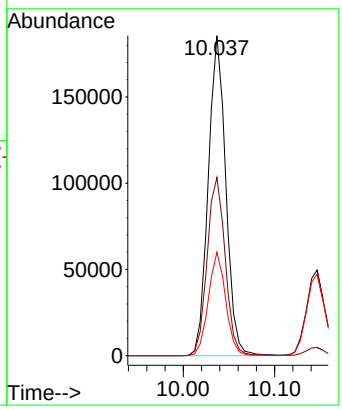
Tgt Ion:117 Resp: 24706

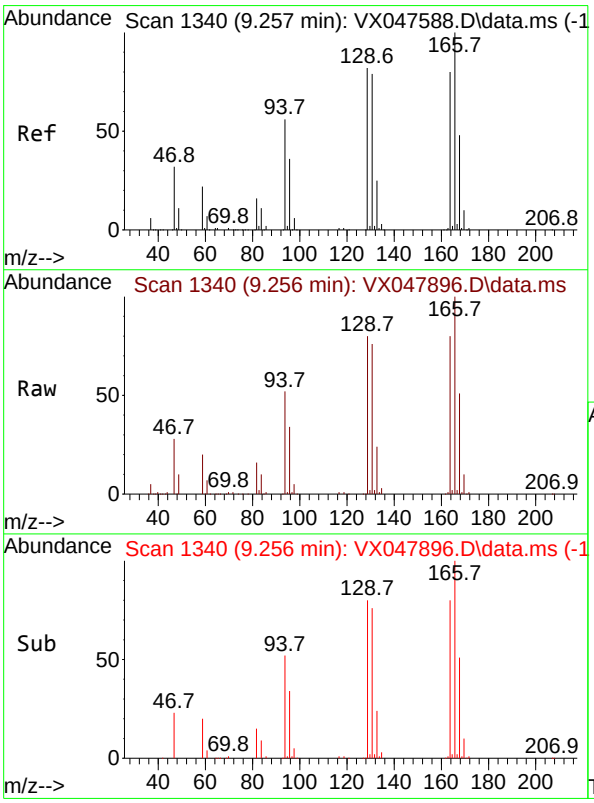
Ion	Ratio	Lower	Upper
117	100		
82	55.7	47.8	71.6
119	32.3	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

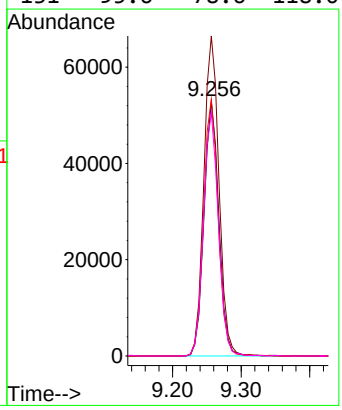


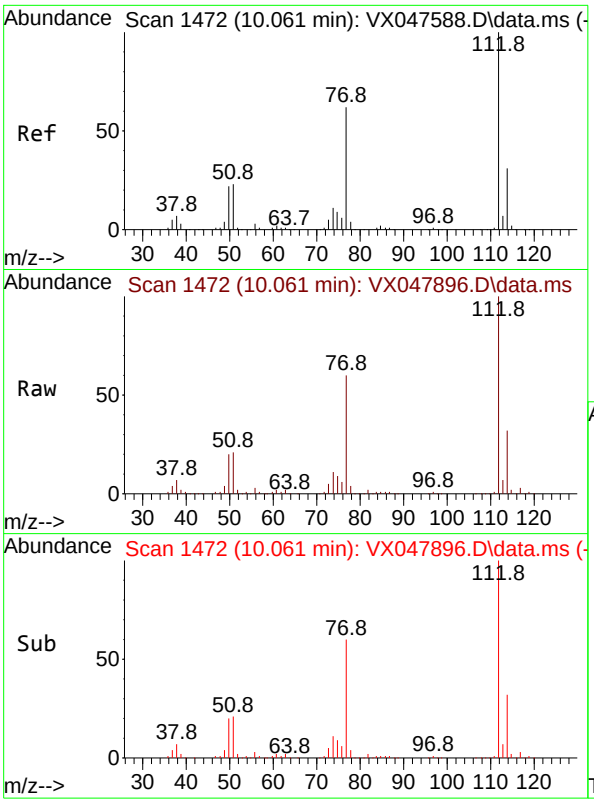


#64
Tetrachloroethene
Concen: 49.476 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:164 Resp: 79687

Ion	Ratio	Lower	Upper
164	100		
166	125.7	100.2	150.2
129	100.8	81.8	122.6
131	95.6	78.6	118.0





#65
Chlorobenzene
Concen: 52.058 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

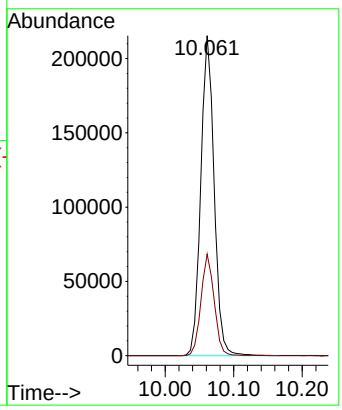
Tgt Ion:112 Resp: 29220

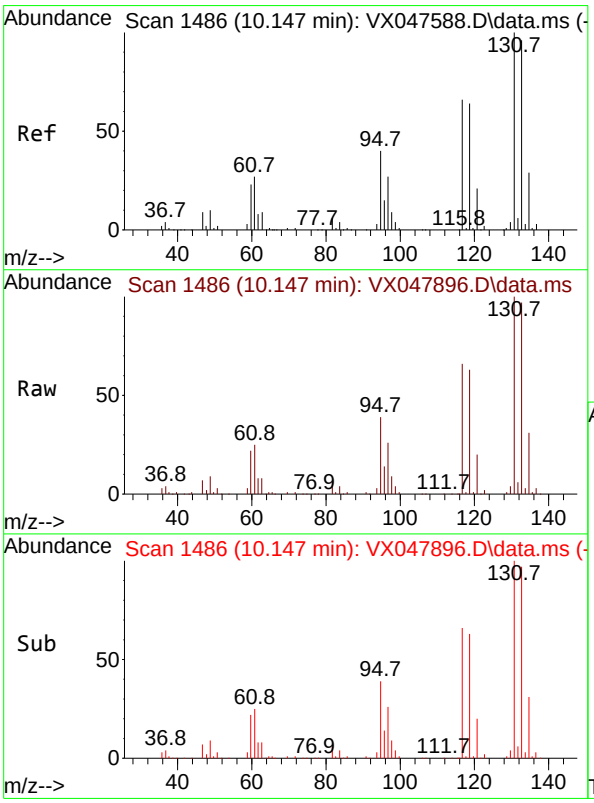
Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.1	37.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

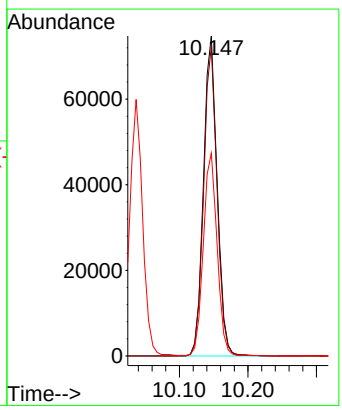


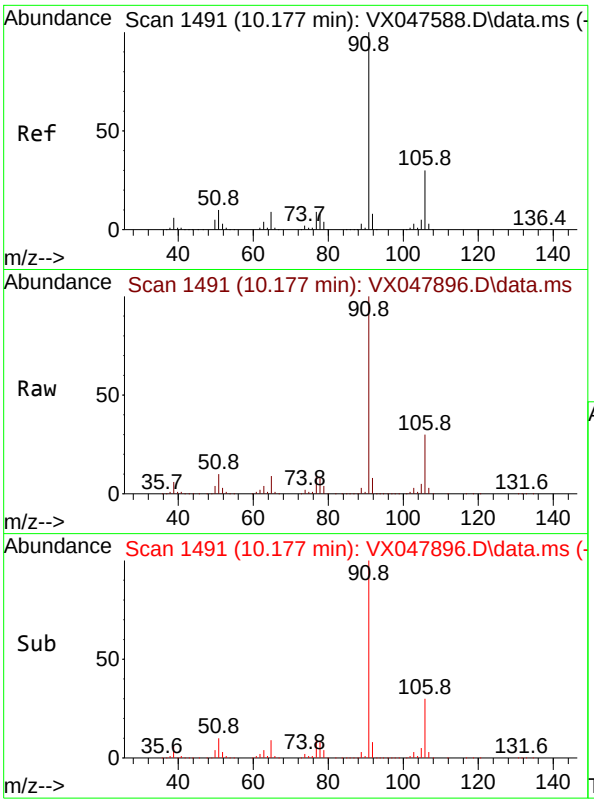


#66
1,1,1,2-Tetrachloroethane
Concen: 53.724 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:131 Resp: 104056

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.3	142.0
119	64.1	32.0	96.0

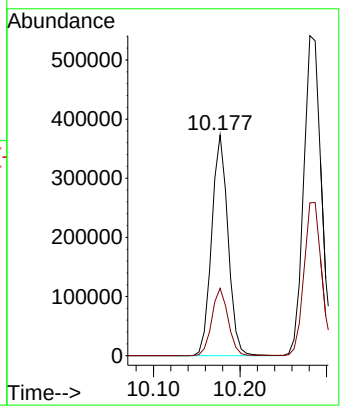




#67
Ethyl Benzene
Concen: 50.546 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 91 Resp: 48952

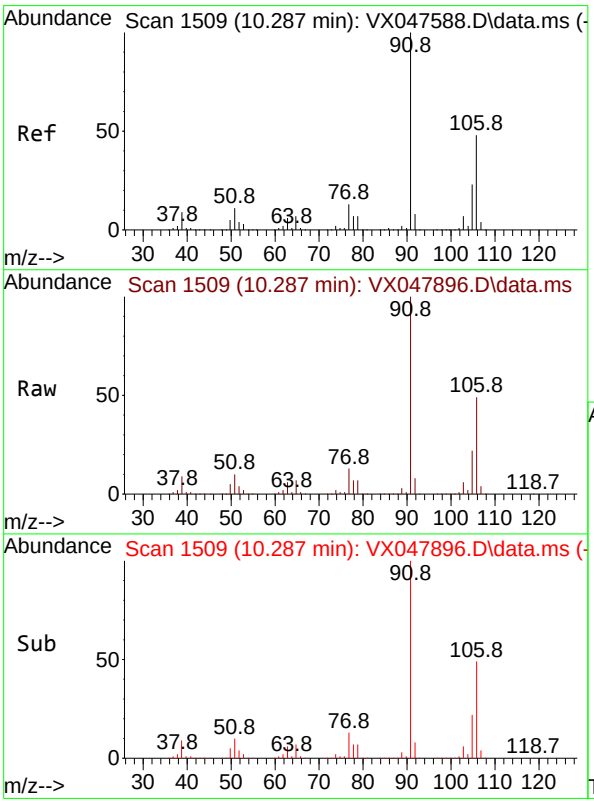
Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

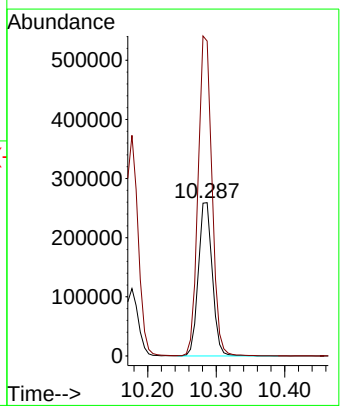
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

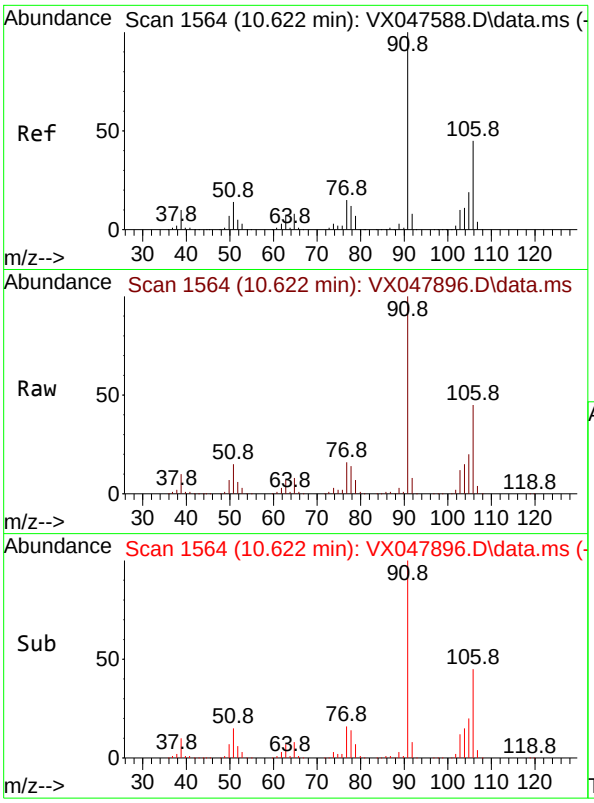


#68
m/p-Xylenes
Concen: 102.001 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:106 Resp: 367685

Ion	Ratio	Lower	Upper
106	100		
91	207.7	167.8	251.8





#69
o-Xylene
Concen: 51.259 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

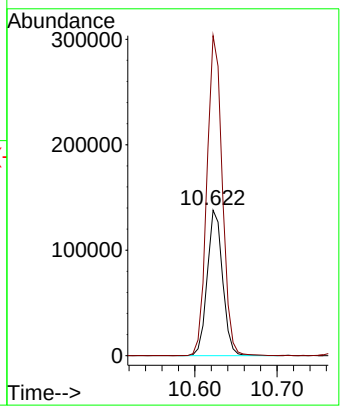
Tgt Ion:106 Resp: 17872

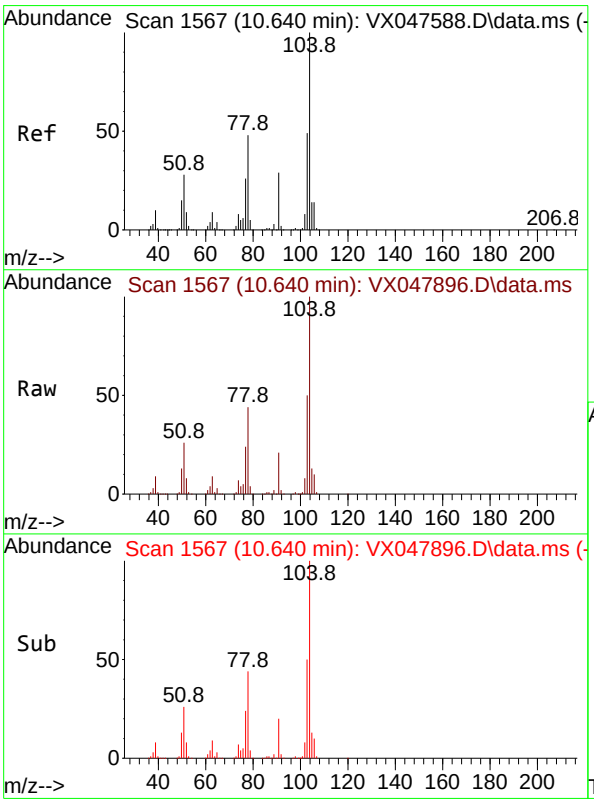
Ion	Ratio	Lower	Upper
106	100		
91	220.3	111.1	333.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

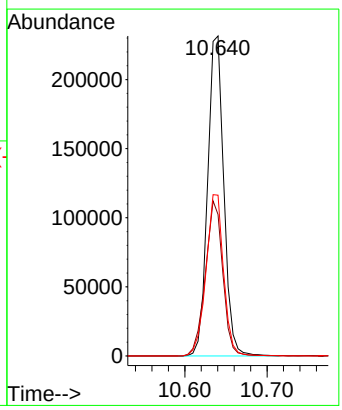


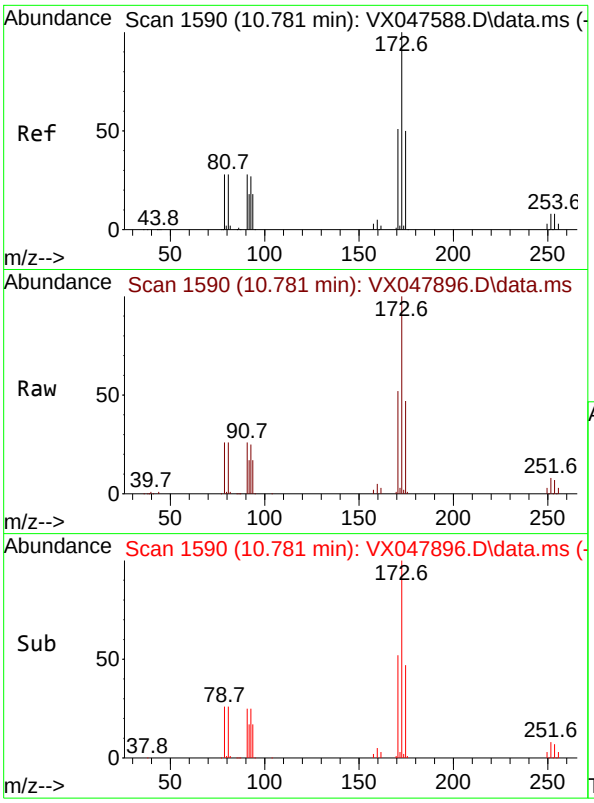


#70
Styrene
Concen: 51.876 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:104 Resp: 316919

Ion	Ratio	Lower	Upper
104	100		
78	52.1	43.1	64.7
103	54.8	43.1	64.7





#71
Bromoform
Concen: 55.113 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

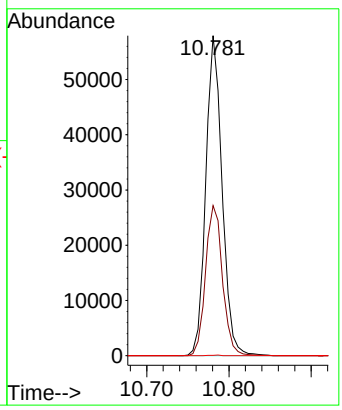
Tgt Ion:173 Resp: 7970

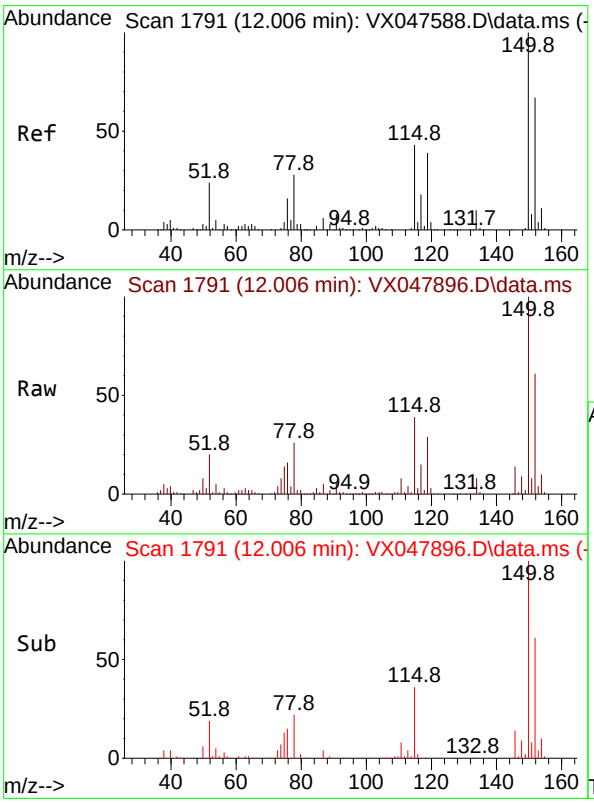
Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.9	74.6
254	0.1	0.1	0.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

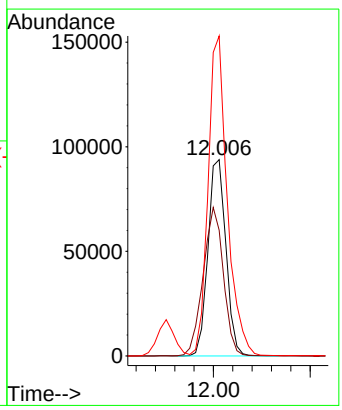


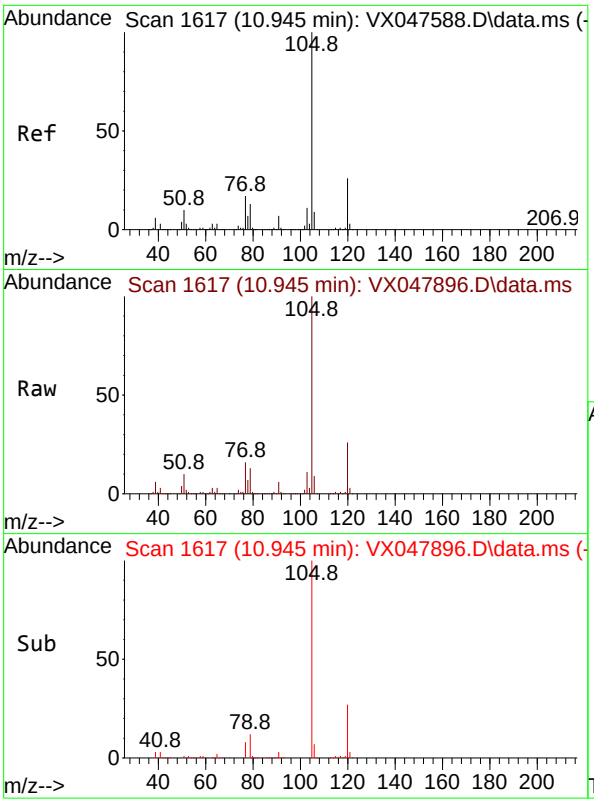


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:152 Resp: 121307

Ion	Ratio	Lower	Upper
152	100		
115	85.8	44.9	134.5
150	173.1	0.0	352.0





#73
Isopropylbenzene
Concen: 49.226 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

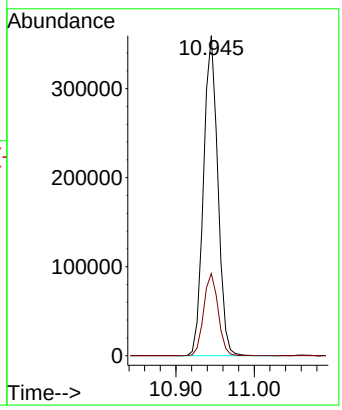
Tgt Ion:105 Resp: 45398

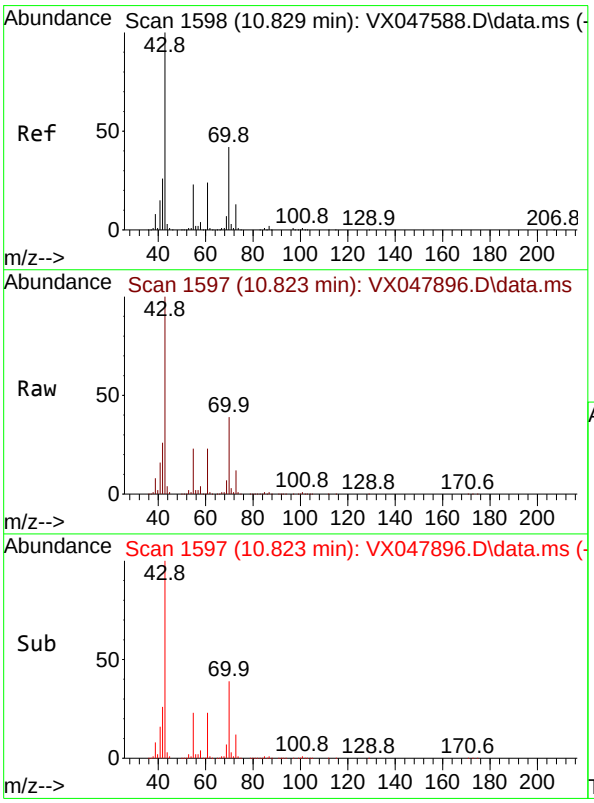
Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

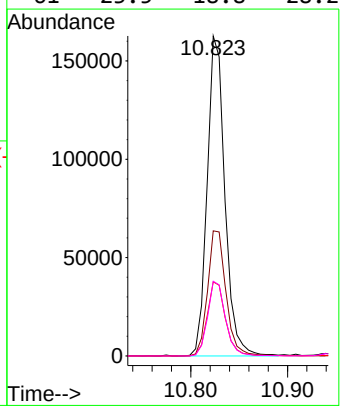


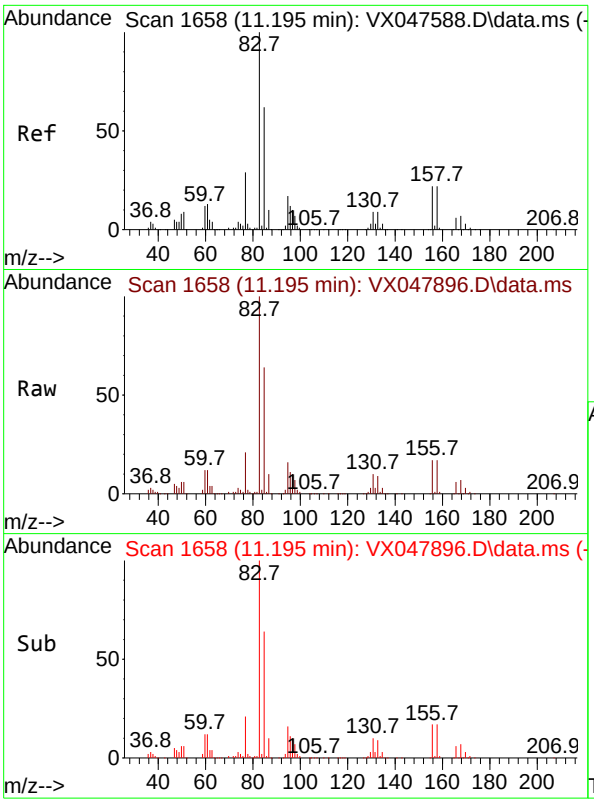


#74
N-amyl acetate
Concen: 49.310 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 43 Resp: 207377

Ion	Ratio	Lower	Upper
43	100		
70	40.7	32.0	48.0
55	24.1	18.9	28.3
61	23.5	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 53.301 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

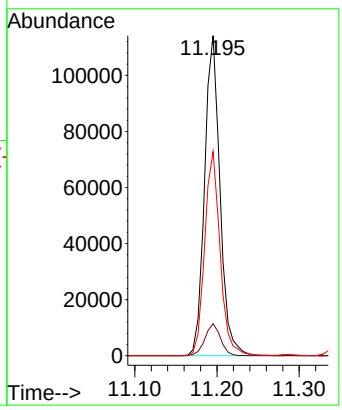
Tgt Ion: 83 Resp: 14872

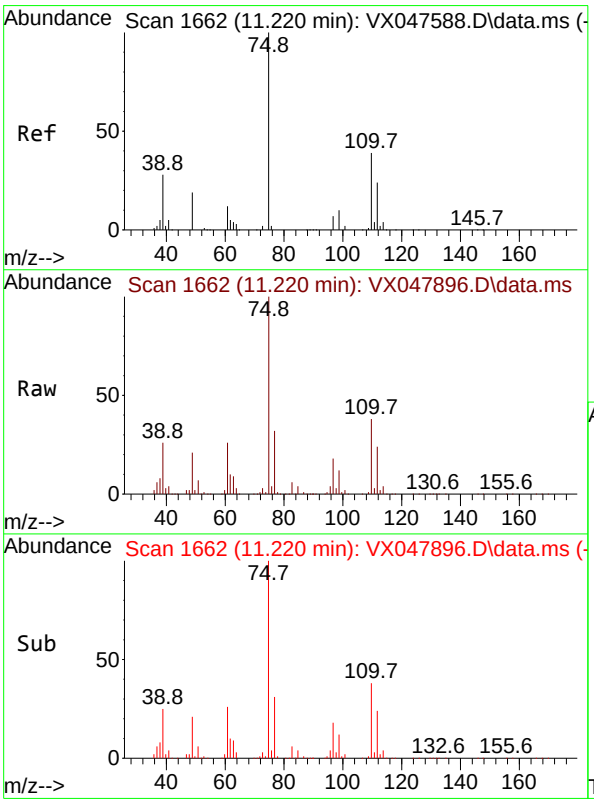
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	63.8	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

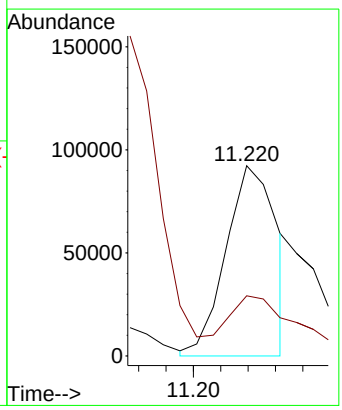


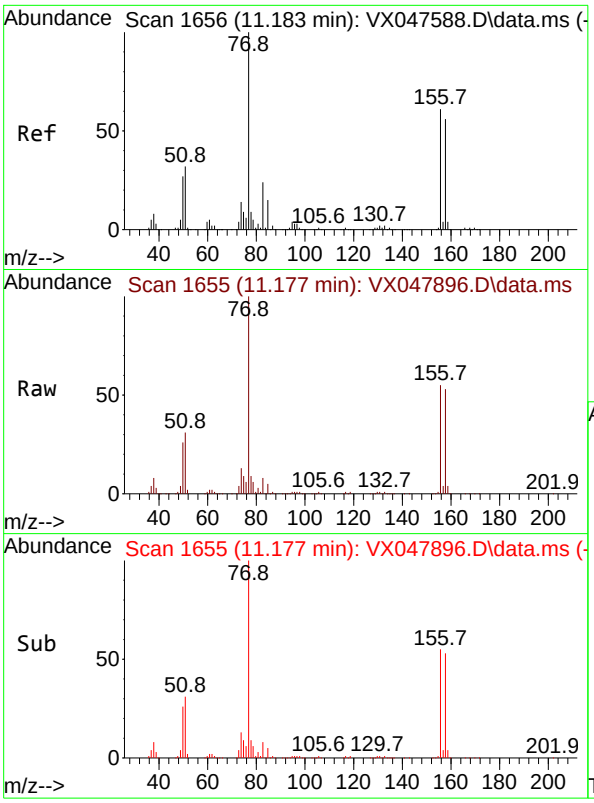


#76
1,2,3-Trichloropropane
Concen: 48.514 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 75 Resp: 119154

Ion	Ratio	Lower	Upper
75	100		
77	44.6	18.8	56.4





#77
Bromobenzene
Concen: 50.531 ug/l
RT: 11.177 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

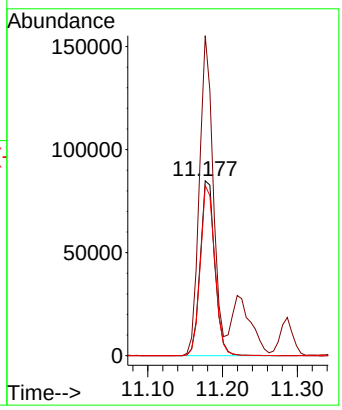
Tgt Ion:156 Resp: 11477

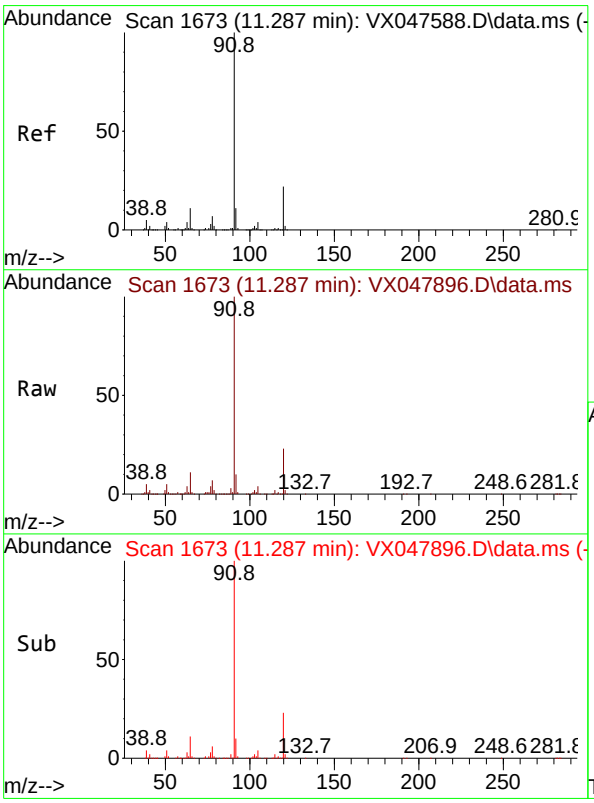
Ion	Ratio	Lower	Upper
156	100		
77	171.9	89.7	269.1
158	96.9	47.9	143.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

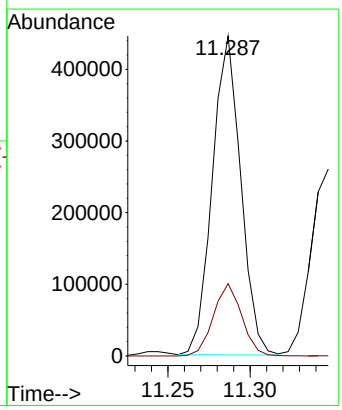


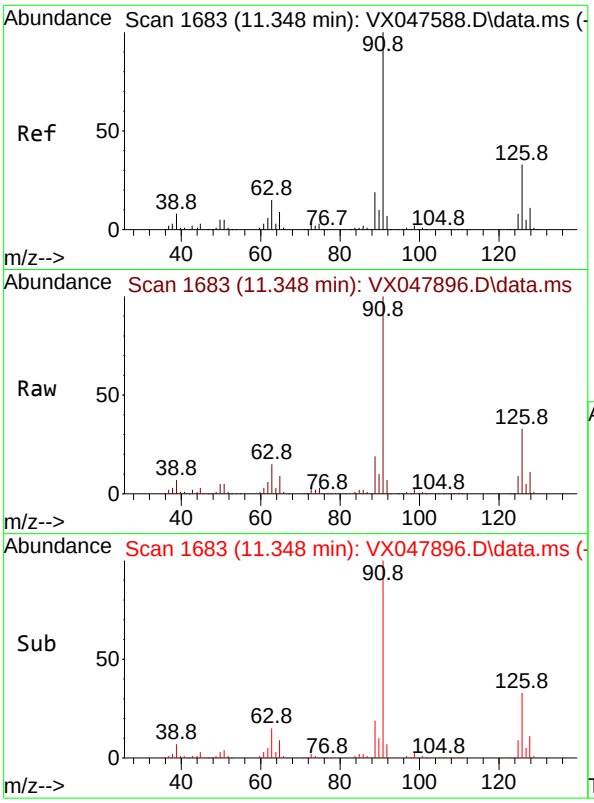


#78
n-propylbenzene
Concen: 49.018 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 91 Resp: 534401

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.1	33.1





#79
2-Chlorotoluene
Concen: 49.125 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

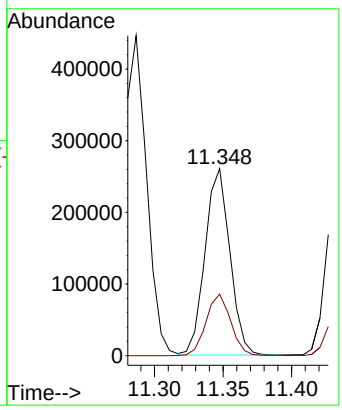
Tgt Ion: 91 Resp: 32802

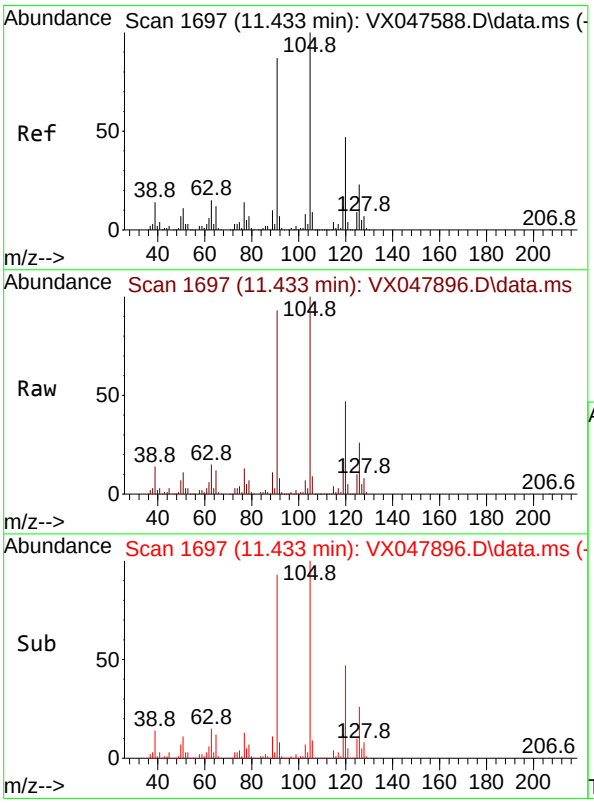
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.1	48.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

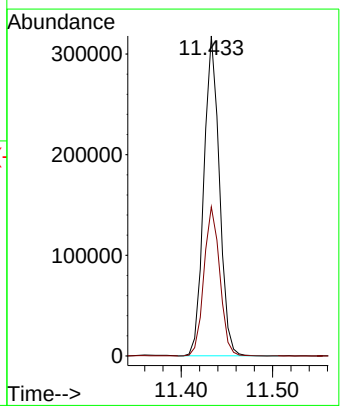


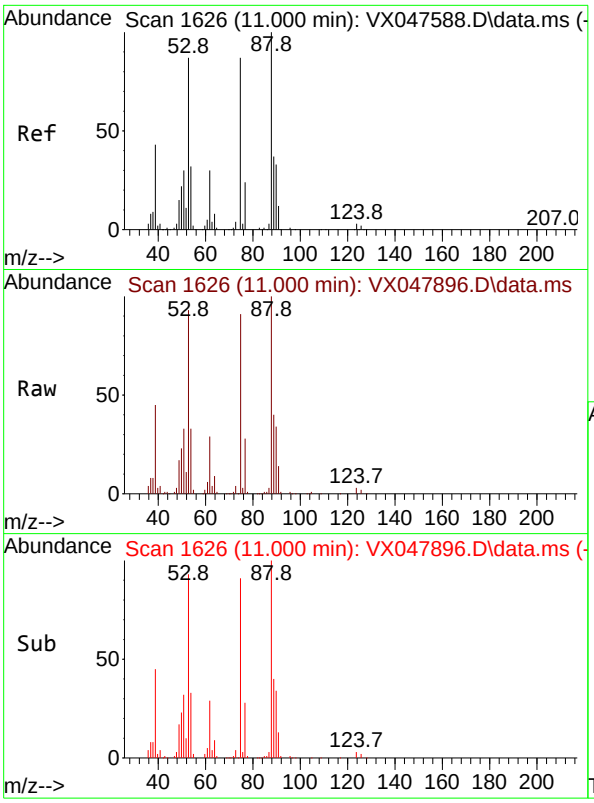


#80
1,3,5-Trimethylbenzene
Concen: 49.564 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:105 Resp: 375552

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 48.183 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

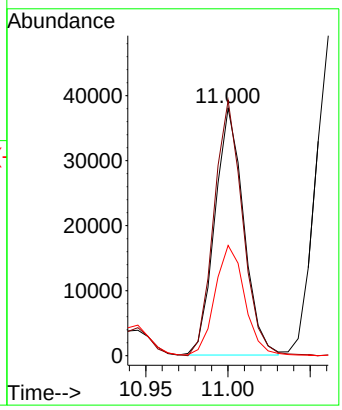
Tgt Ion: 75 Resp: 4640

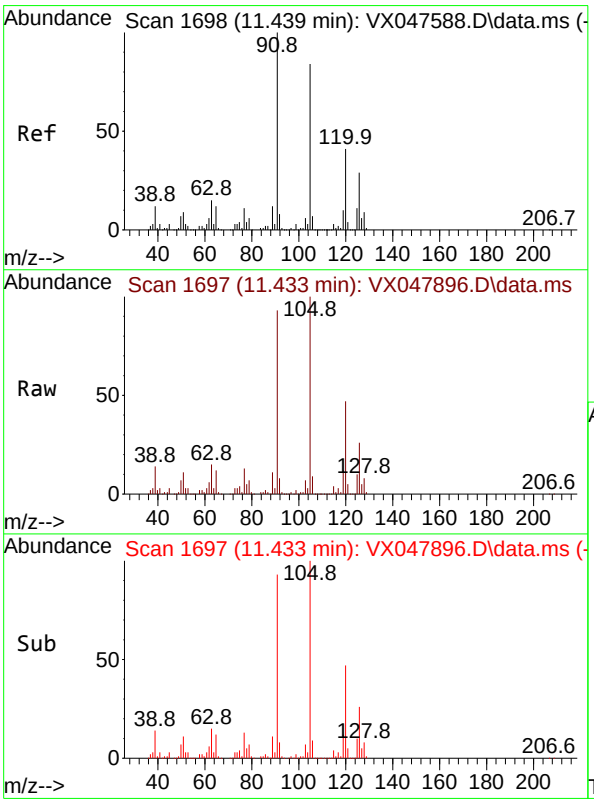
Ion	Ratio	Lower	Upper
75	100		
53	102.9	83.4	125.2
89	46.1	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

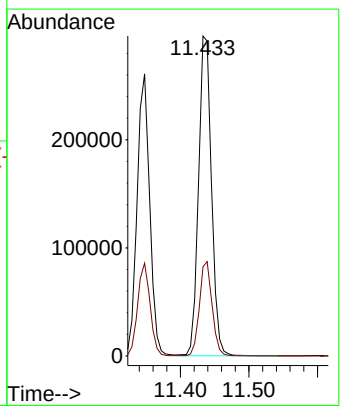


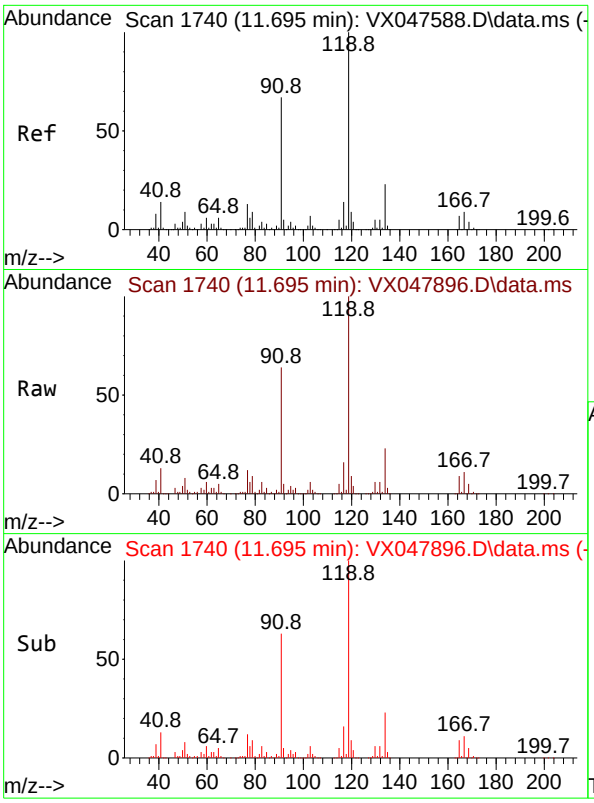


#82
4-Chlorotoluene
Concen: 49.396 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 91 Resp: 389550

Ion	Ratio	Lower	Upper
91	100		
126	28.8	14.2	42.6

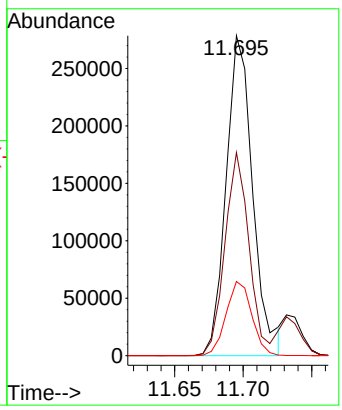




#83
tert-Butylbenzene
Concen: 48.542 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:119 Resp: 37651

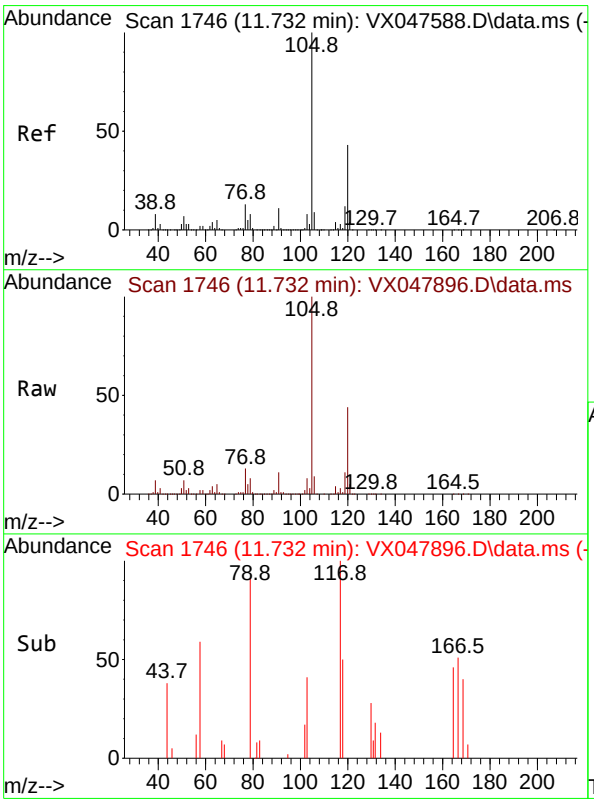
Ion	Ratio	Lower	Upper
119	100		
91	57.7	29.6	88.8
134	22.5	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

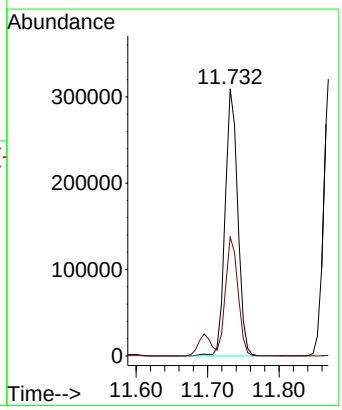
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

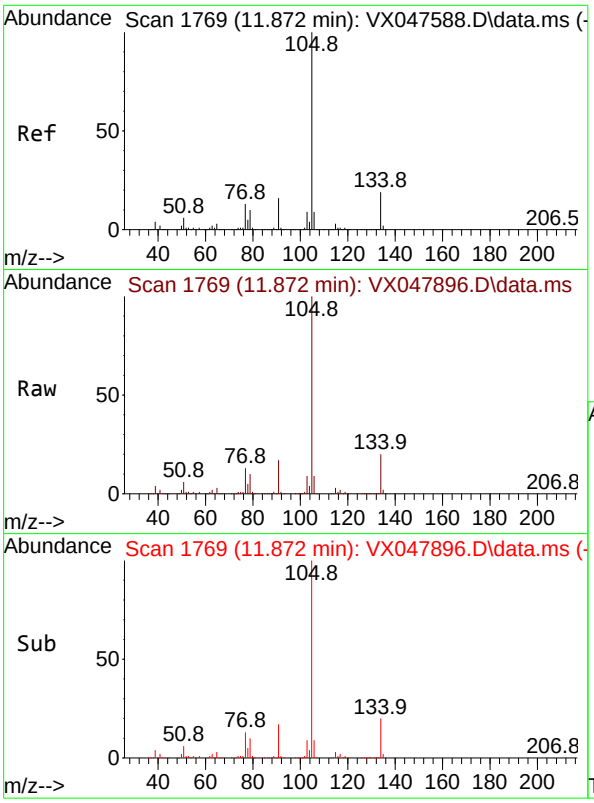


#84
1,2,4-Trimethylbenzene
Concen: 49.378 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:105 Resp: 379320

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.1

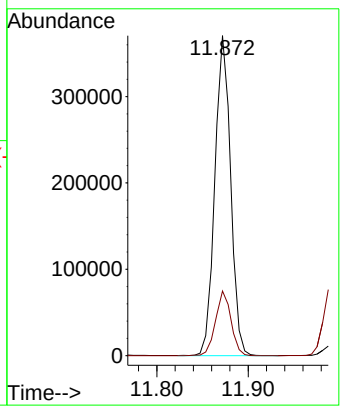




#85
sec-Butylbenzene
Concen: 48.154 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:105 Resp: 44365

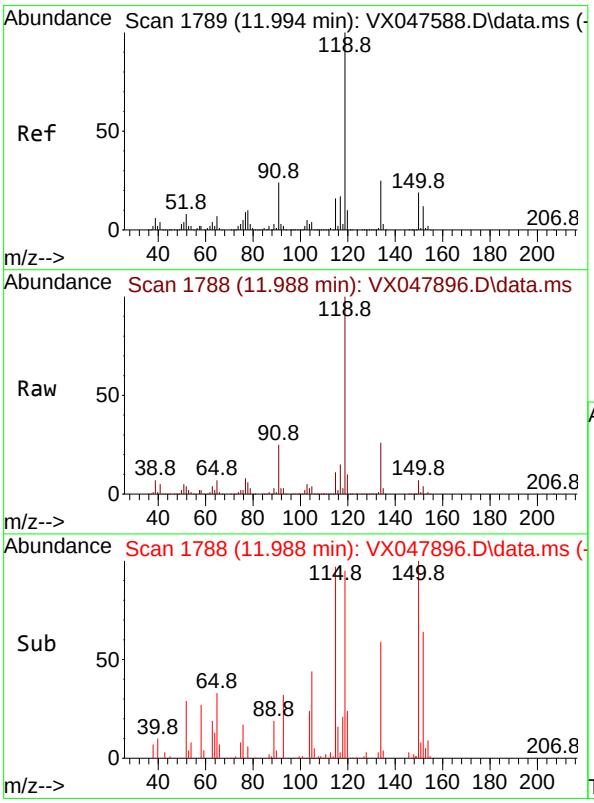
Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

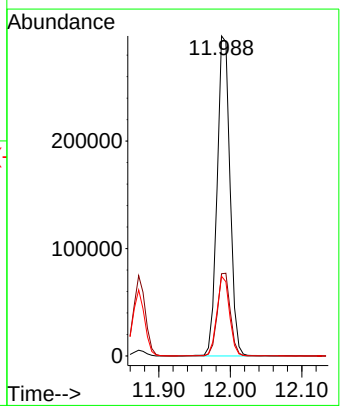
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

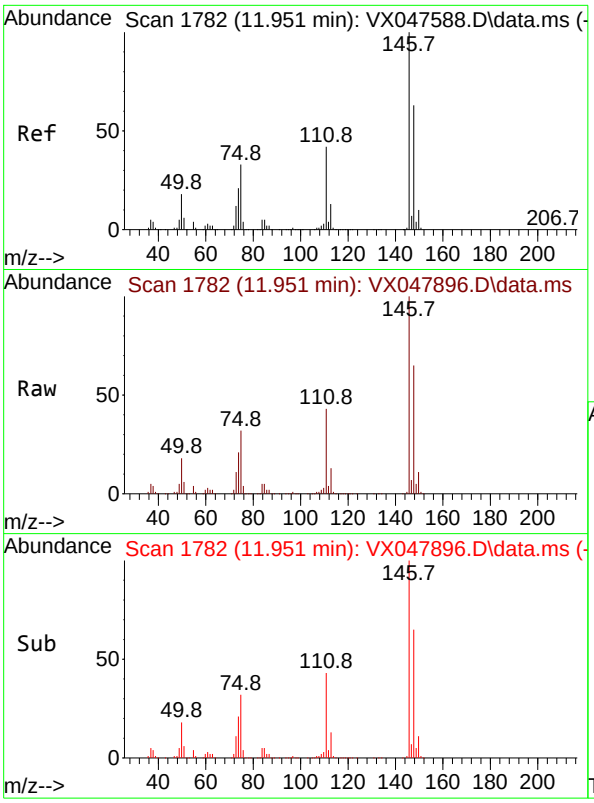


#86
p-Isopropyltoluene
Concen: 47.687 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:119 Resp: 371954

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	24.3	12.6	37.6





#87
1,3-Dichlorobenzene
Concen: 49.112 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

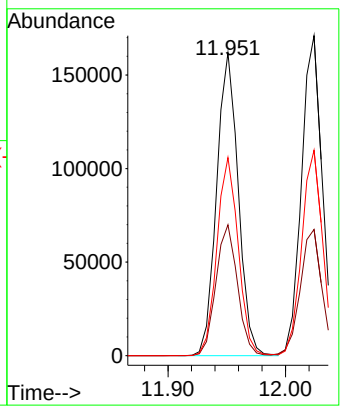
Tgt Ion:146 Resp: 20720

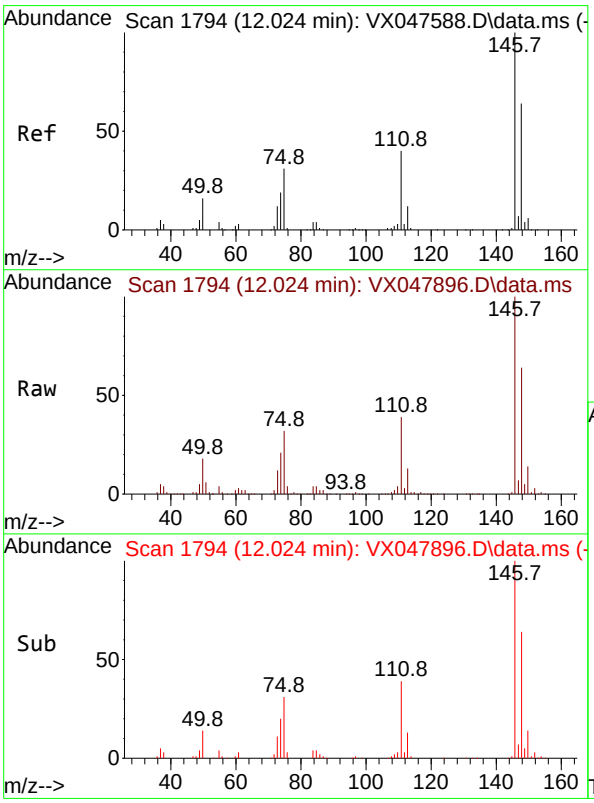
Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.5	64.5
148	64.5	32.0	96.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

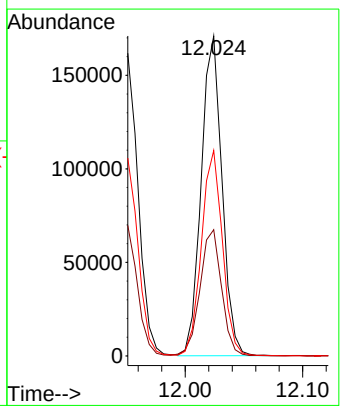


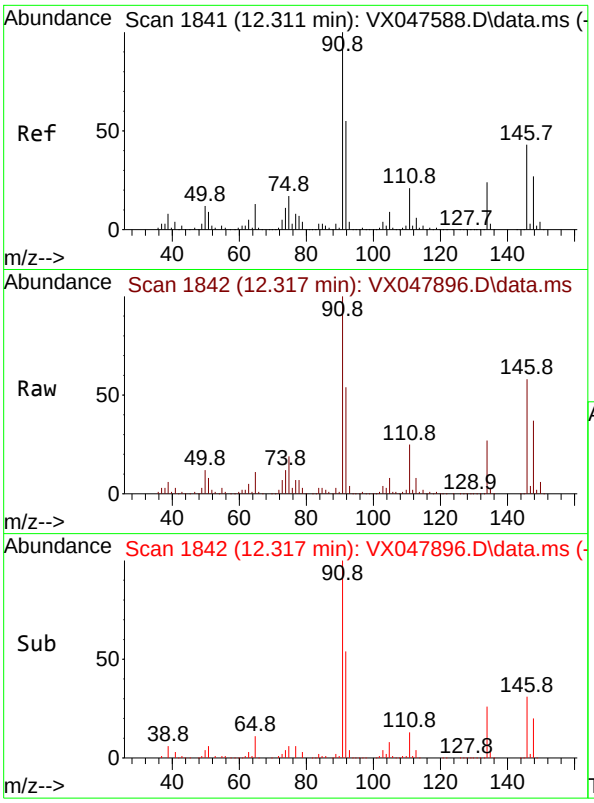


#88
1,4-Dichlorobenzene
Concen: 48.509 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:146 Resp: 210050

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.4
148	65.1	31.7	95.1

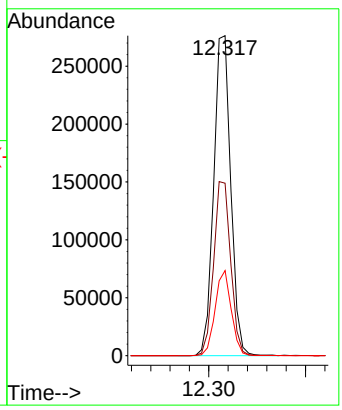




#89
n-Butylbenzene
Concen: 46.701 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 91 Resp: 33705

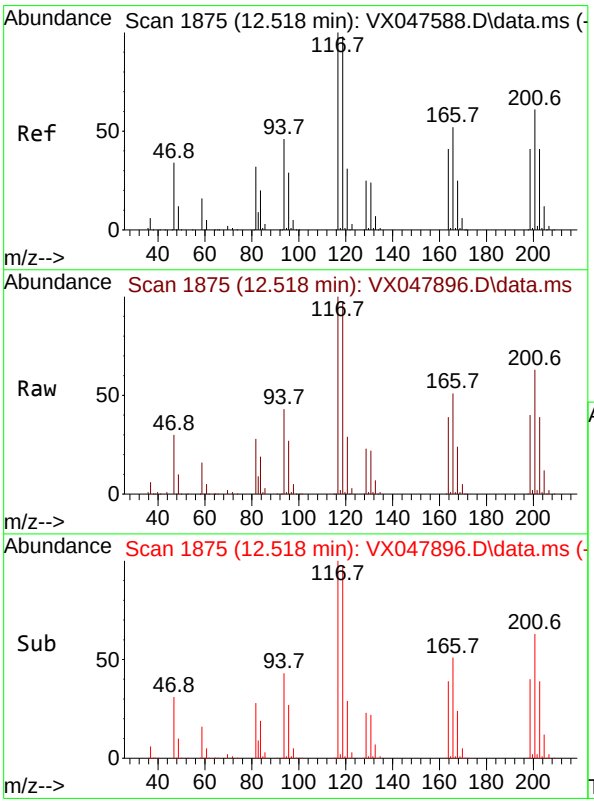
Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.6	82.7
134	25.3	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

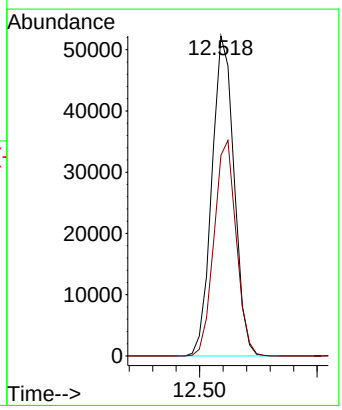
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

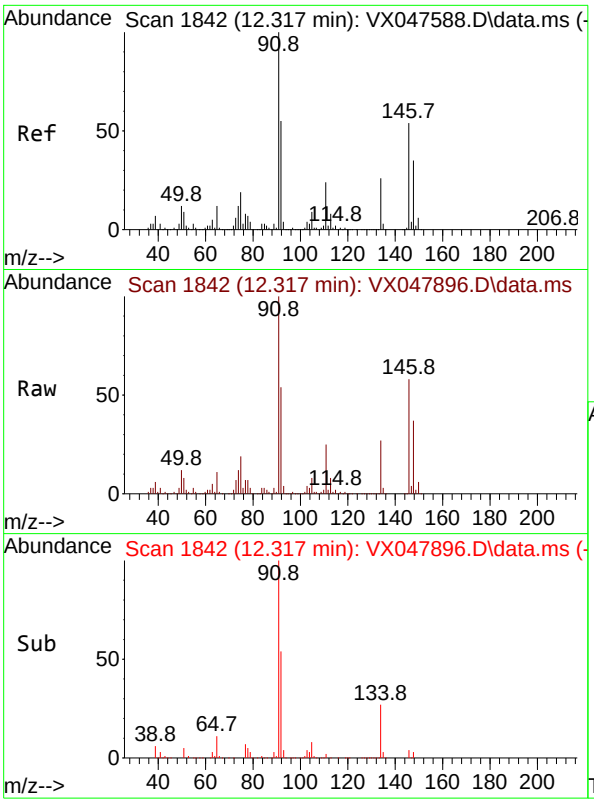


#90
Hexachloroethane
Concen: 50.194 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:117 Resp: 68737

Ion	Ratio	Lower	Upper
117	100		
201	67.2	34.2	102.5

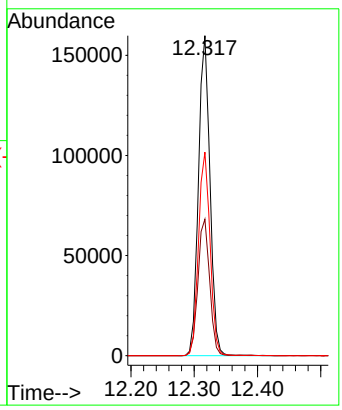




#91
1,2-Dichlorobenzene
Concen: 50.428 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:146 Resp: 20269

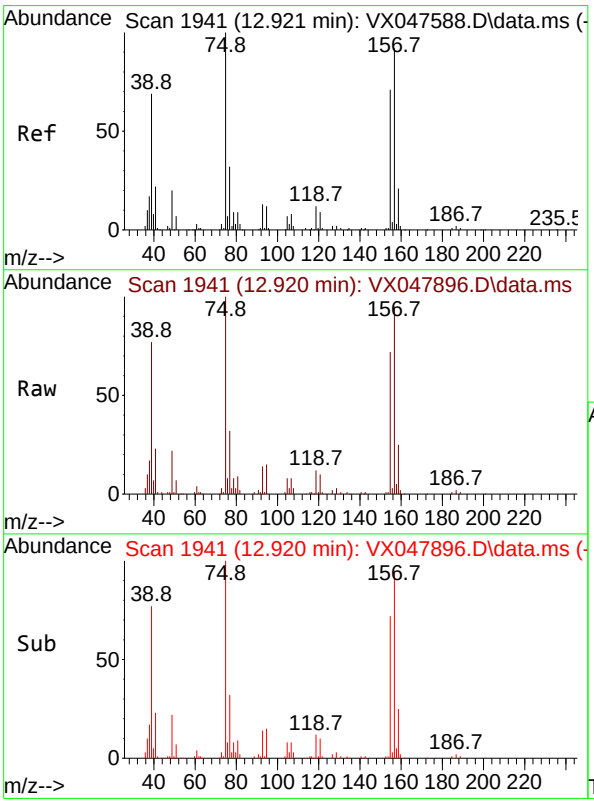
Ion	Ratio	Lower	Upper
146	100		
111	43.3	22.2	66.6
148	64.0	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

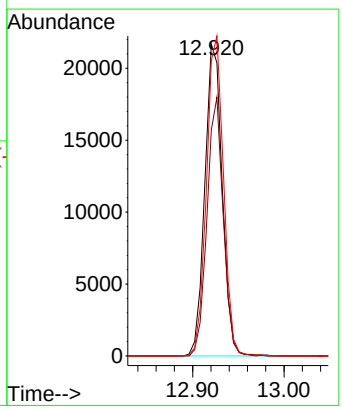
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

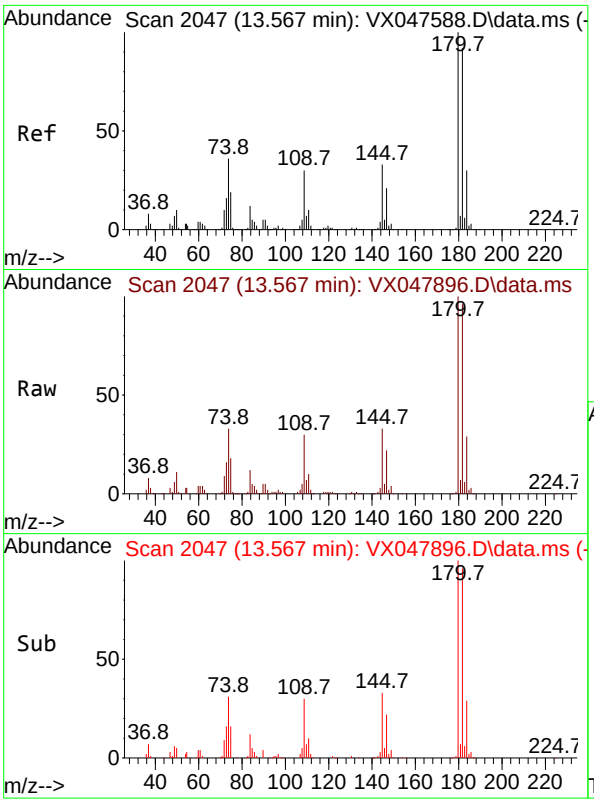


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.667 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 75 Resp: 28623

Ion	Ratio	Lower	Upper
75	100		
155	77.4	37.7	113.1
157	100.2	49.8	149.4

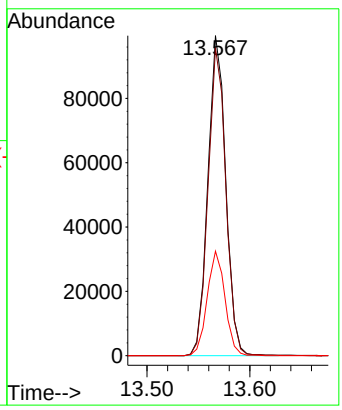




#93
1,2,4-Trichlorobenzene
Concen: 46.109 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:180 Resp: 120450

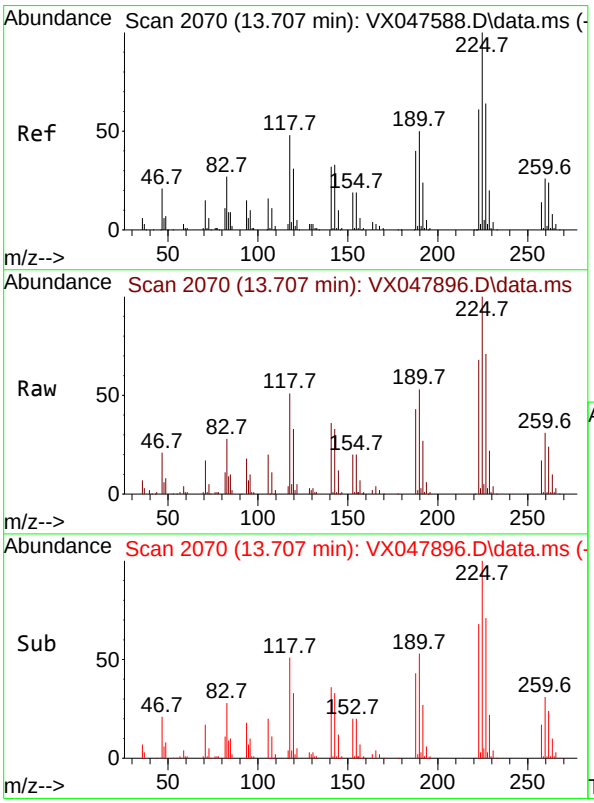
Ion	Ratio	Lower	Upper
180	100		
182	96.0	46.6	139.8
145	32.6	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

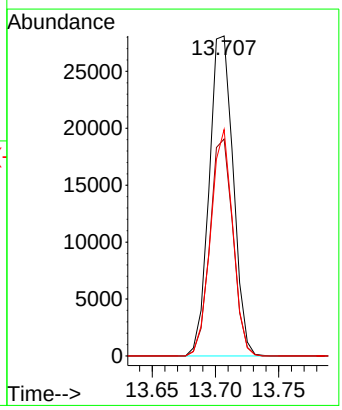
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

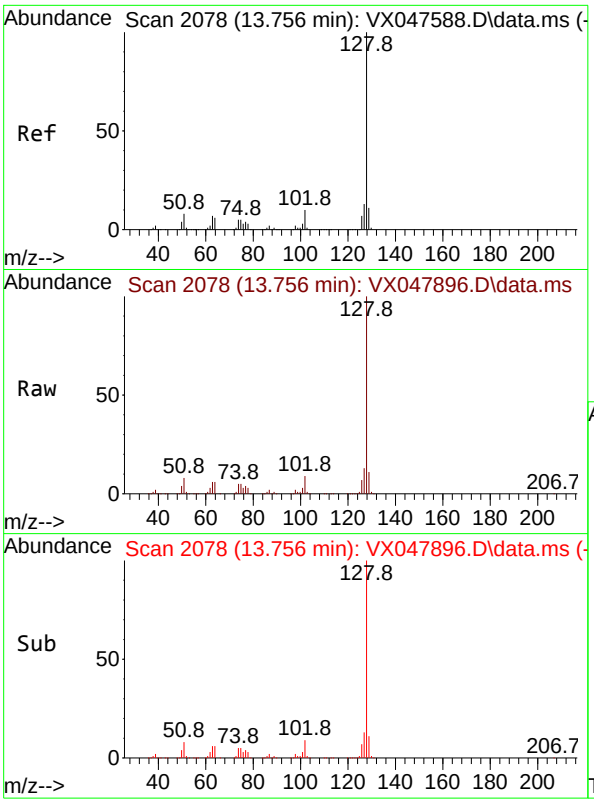


#94
Hexachlorobutadiene
Concen: 41.684 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:225 Resp: 36987

Ion	Ratio	Lower	Upper
225	100		
223	65.2	31.7	95.1
227	65.3	32.0	96.0

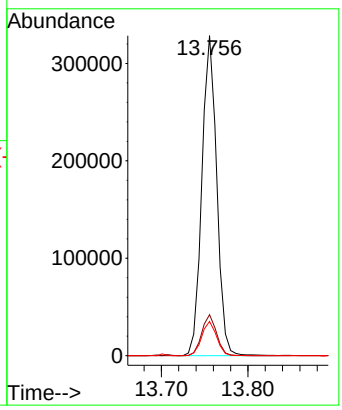




#95
Naphthalene
Concen: 49.163 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:128 Resp: 39107

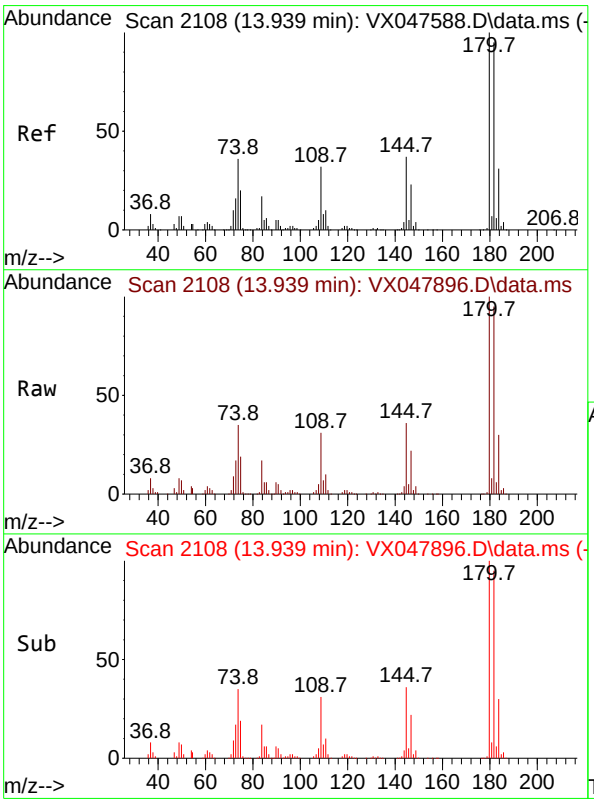
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.8	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

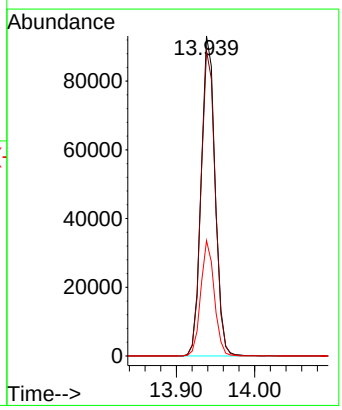
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 47.426 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:180 Resp: 115245

Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.6	142.8
145	34.8	17.9	53.7



Sample Results: **VX047896.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047896.D
Acq On : 30 Sep 2025 09:20
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 01 01:03:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	-0.01
2	T	Dichlorodifluoromethane	0.518	0.609	-17.6	112	0.00
3	P	Chloromethane	0.680	0.711	-4.6	99	0.00
4	C	Vinyl Chloride	0.666	0.732	-9.9#	102	0.00
5	T	Bromomethane	0.422	0.433	-2.6	94	0.00
6	T	Chloroethane	0.445	0.494	-11.0	103	0.00
7	T	Trichlorofluoromethane	0.989	1.083	-9.5	100	0.00
8	T	Diethyl Ether	0.405	0.436	-7.7	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.578	0.633	-9.5	100	0.00
10	T	Methyl Iodide	0.902	0.818	9.3	82	0.00
11	T	Tert butyl alcohol	0.089	0.086	3.4	88	0.00
12	CM	1,1-Dichloroethene	0.594	0.627	-5.6#	95	0.00
13	T	Acrolein	0.082	0.076	7.3	86	0.00
14	T	Allyl chloride	1.226	1.219	0.6	92	0.00
15	T	Acrylonitrile	0.328	0.372	-13.4	99	0.00
16	T	Acetone	0.346	0.361	-4.3	104	0.00
17	T	Carbon Disulfide	1.626	1.668	-2.6	98	0.00
18	T	Methyl Acetate	0.770	0.908	-17.9	95	0.00
19	T	Methyl tert-butyl Ether	2.169	2.294	-5.8	94	0.00
20	T	Methylene Chloride	0.732	0.791	-8.1	100	0.00
21	T	trans-1,2-Dichloroethene	0.640	0.679	-6.1	96	0.00
22	T	Diisopropyl ether	2.376	2.536	-6.7	94	-0.01
23	T	Vinyl Acetate	1.901	2.042	-7.4	94	0.00
24	P	1,1-Dichloroethane	1.263	1.346	-6.6	95	0.00
25	T	2-Butanone	0.432	0.464	-7.4	97	0.00
26	T	2,2-Dichloropropane	1.050	1.053	-0.3	91	0.00
27	T	cis-1,2-Dichloroethene	0.783	0.830	-6.0	94	0.00
28	T	Bromochloromethane	0.551	0.555	-0.7	88	-0.01
29	T	Tetrahydrofuran	0.260	0.276	-6.2	92	0.00
30	C	Chloroform	1.276	1.360	-6.6#	94	0.00
31	T	Cyclohexane	1.052	0.974	7.4	87	0.00
32	T	1,1,1-Trichloroethane	1.082	1.123	-3.8	92	0.00
33	S	1,2-Dichloroethane-d4	0.796	0.783	1.6	93	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	89	0.00
35	S	Dibromofluoromethane	0.335	0.359	-7.2	97	0.00
36	T	1,1-Dichloropropene	0.490	0.494	-0.8	91	0.00
37	T	Ethyl Acetate	0.525	0.554	-5.5	93	0.00
38	T	Carbon Tetrachloride	0.532	0.552	-3.8	92	-0.01
39	T	Methylcyclohexane	0.556	0.513	7.7	81	0.00
40	TM	Benzene	1.488	1.565	-5.2	92	0.00
41	T	Methacrylonitrile	0.271	0.300	-10.7	94	0.00
42	TM	1,2-Dichloroethane	0.566	0.594	-4.9	91	0.00
43	T	Isopropyl Acetate	0.860	0.892	-3.7	89	0.00
44	TM	Trichloroethene	0.360	0.371	-3.1	89	0.00
45	C	1,2-Dichloropropane	0.381	0.413	-8.4#	93	0.00
46	T	Dibromomethane	0.277	0.305	-10.1	95	0.00
47	T	Bromodichloromethane	0.572	0.622	-8.7	92	0.00
48	T	Methyl methacrylate	0.429	0.445	-3.7	89	0.00

Sample Results: **VX047896.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047896.D
Acq On : 30 Sep 2025 09:20
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 01 01:03:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	0.004	0.005	-25.0	102	0.00
50	S	Toluene-d8	1.160	1.184	-2.1	92	0.00
51	T	4-Methyl-2-Pentanone	0.477	0.524	-9.9	92	0.00
52	CM	Toluene	0.917	0.954	-4.0#	91	0.00
53	T	t-1,3-Dichloropropene	0.584	0.609	-4.3	88	0.00
54	T	cis-1,3-Dichloropropene	0.624	0.659	-5.6	90	0.00
55	T	1,1,2-Trichloroethane	0.354	0.384	-8.5	93	0.00
56	T	Ethyl methacrylate	0.555	0.594	-7.0	89	0.00
57	T	1,3-Dichloropropane	0.607	0.665	-9.6	93	0.00
58	T	2-Chloroethyl Vinyl ether	0.227	0.310	-36.6#	102	0.00
59	T	2-Hexanone	0.343	0.366	-6.7	91	0.00
60	T	Dibromochloromethane	0.407	0.452	-11.1	93	0.00
61	T	1,2-Dibromoethane	0.360	0.395	-9.7	93	0.00
62	S	4-Bromofluorobenzene	0.440	0.438	0.5	92	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	91	0.00
64	T	Tetrachloroethene	0.326	0.323	0.9	90	0.00
65	PM	Chlorobenzene	1.136	1.183	-4.1	92	0.00
66	T	1,1,1,2-Tetrachloroethane	0.392	0.421	-7.4	93	0.00
67	C	Ethyl Benzene	1.960	1.981	-1.1#	89	0.00
68	T	m/p-Xylenes	0.729	0.744	-2.1	89	0.00
69	T	o-Xylene	0.706	0.723	-2.4	88	0.00
70	T	Styrene	1.236	1.283	-3.8	90	0.00
71	P	Bromoform	0.293	0.323	-10.2	94	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
73	T	Isopropylbenzene	3.801	3.742	1.6	88	0.00
74	T	N-amyl acetate	1.733	1.710	1.3	87	0.00
75	P	1,1,2,2-Tetrachloroethane	1.150	1.226	-6.6	95	0.00
76	T	1,2,3-Trichloropropane	1.012	0.982	3.0	83	0.00
77	T	Bromobenzene	0.936	0.946	-1.1	91	0.00
78	T	n-propylbenzene	4.494	4.405	2.0	87	0.00
79	T	2-Chlorotoluene	2.752	2.704	1.7	88	0.00
80	T	1,3,5-Trimethylbenzene	3.123	3.096	0.9	88	0.00
81	T	trans-1,4-Dichloro-2-butene	0.397	0.383	3.5	88	0.00
82	T	4-Chlorotoluene	3.251	3.211	1.2	89	0.00
83	T	tert-Butylbenzene	3.197	3.104	2.9	88	0.00
84	T	1,2,4-Trimethylbenzene	3.166	3.127	1.2	89	0.00
85	T	sec-Butylbenzene	3.797	3.657	3.7	86	0.00
86	T	p-Isopropyltoluene	3.215	3.066	4.6	85	0.00
87	T	1,3-Dichlorobenzene	1.739	1.708	1.8	89	0.00
88	T	1,4-Dichlorobenzene	1.785	1.732	3.0	90	0.00
89	T	n-Butylbenzene	2.975	2.779	6.6	84	0.00
90	T	Hexachloroethane	0.564	0.567	-0.5	91	0.00
91	T	1,2-Dichlorobenzene	1.657	1.671	-0.8	91	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.233	0.236	-1.3	88	0.00
93	T	1,2,4-Trichlorobenzene	1.077	0.993	7.8	82	0.00
94	T	Hexachlorobutadiene	0.366	0.305	16.7	75	0.00
95	T	Naphthalene	3.279	3.224	1.7	87	0.00

Sample Results: **VX047896.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047896.D
Acq On : 30 Sep 2025 09:20
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 01 01:03:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1.002	0.950	5.2	83	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX047896.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047896.D
Acq On : 30 Sep 2025 09:20
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 01 01:03:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	-0.01
2	T	Dichlorodifluoromethane	50.000	58.829	-17.7	112	0.00
3	P	Chloromethane	50.000	52.232	-4.5	99	0.00
4	C	Vinyl Chloride	50.000	54.972	-9.9#	102	0.00
5	T	Bromomethane	50.000	51.203	-2.4	94	0.00
6	T	Chloroethane	50.000	55.492	-11.0	103	0.00
7	T	Trichlorofluoromethane	50.000	54.763	-9.5	100	0.00
8	T	Diethyl Ether	50.000	53.868	-7.7	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	54.762	-9.5	100	0.00
10	T	Methyl Iodide	50.000	45.357	9.3	82	0.00
11	T	Tert butyl alcohol	250.000	241.951	3.2	88	0.00
12	CM	1,1-Dichloroethene	50.000	52.767	-5.5#	95	0.00
13	T	Acrolein	250.000	233.739	6.5	86	0.00
14	T	Allyl chloride	50.000	49.724	0.6	92	0.00
15	T	Acrylonitrile	250.000	283.530	-13.4	99	0.00
16	T	Acetone	250.000	260.508	-4.2	104	0.00
17	T	Carbon Disulfide	50.000	51.287	-2.6	98	0.00
18	T	Methyl Acetate	50.000	58.977	-18.0	95	0.00
19	T	Methyl tert-butyl Ether	50.000	52.887	-5.8	94	0.00
20	T	Methylene Chloride	50.000	53.997	-8.0	100	0.00
21	T	trans-1,2-Dichloroethene	50.000	53.079	-6.2	96	0.00
22	T	Diisopropyl ether	50.000	53.376	-6.8	94	-0.01
23	T	Vinyl Acetate	250.000	268.522	-7.4	94	0.00
24	P	1,1-Dichloroethane	50.000	53.317	-6.6	95	0.00
25	T	2-Butanone	250.000	268.637	-7.5	97	0.00
26	T	2,2-Dichloropropane	50.000	50.180	-0.4	91	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.997	-6.0	94	0.00
28	T	Bromochloromethane	50.000	50.341	-0.7	88	-0.01
29	T	Tetrahydrofuran	250.000	266.130	-6.5	92	0.00
30	C	Chloroform	50.000	53.292	-6.6#	94	0.00
31	T	Cyclohexane	50.000	46.300	7.4	87	0.00
32	T	1,1,1-Trichloroethane	50.000	51.873	-3.7	92	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.199	1.6	93	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	89	0.00
35	S	Dibromofluoromethane	50.000	53.545	-7.1	97	0.00
36	T	1,1-Dichloropropene	50.000	50.427	-0.9	91	0.00
37	T	Ethyl Acetate	50.000	52.801	-5.6	93	0.00
38	T	Carbon Tetrachloride	50.000	51.882	-3.8	92	-0.01
39	T	Methylcyclohexane	50.000	46.130	7.7	81	0.00
40	TM	Benzene	50.000	52.564	-5.1	92	0.00
41	T	Methacrylonitrile	50.000	55.402	-10.8	94	0.00
42	TM	1,2-Dichloroethane	50.000	52.407	-4.8	91	0.00
43	T	Isopropyl Acetate	50.000	51.856	-3.7	89	0.00
44	TM	Trichloroethene	50.000	51.493	-3.0	89	0.00
45	C	1,2-Dichloropropane	50.000	54.152	-8.3#	93	0.00
46	T	Dibromomethane	50.000	55.050	-10.1	95	0.00
47	T	Bromodichloromethane	50.000	54.329	-8.7	92	0.00
48	T	Methyl methacrylate	50.000	51.936	-3.9	89	0.00

Sample Results: **VX047896.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047896.D
Acq On : 30 Sep 2025 09:20
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 01 01:03:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1262.927	-26.3#	102	0.00
50	S	Toluene-d8	50.000	51.009	-2.0	92	0.00
51	T	4-Methyl-2-Pentanone	250.000	274.485	-9.8	92	0.00
52	CM	Toluene	50.000	52.039	-4.1#	91	0.00
53	T	t-1,3-Dichloropropene	50.000	52.199	-4.4	88	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.821	-5.6	90	0.00
55	T	1,1,2-Trichloroethane	50.000	54.267	-8.5	93	0.00
56	T	Ethyl methacrylate	50.000	53.463	-6.9	89	0.00
57	T	1,3-Dichloropropane	50.000	54.741	-9.5	93	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	288.987	-15.6	102	0.00
59	T	2-Hexanone	250.000	267.273	-6.9	91	0.00
60	T	Dibromochloromethane	50.000	55.448	-10.9	93	0.00
61	T	1,2-Dibromoethane	50.000	54.903	-9.8	93	0.00
62	S	4-Bromofluorobenzene	50.000	49.687	0.6	92	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	91	0.00
64	T	Tetrachloroethene	50.000	49.476	1.0	90	0.00
65	PM	Chlorobenzene	50.000	52.058	-4.1	92	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	53.724	-7.4	93	0.00
67	C	Ethyl Benzene	50.000	50.546	-1.1#	89	0.00
68	T	m/p-Xylenes	100.000	102.001	-2.0	89	0.00
69	T	o-Xylene	50.000	51.259	-2.5	88	0.00
70	T	Styrene	50.000	51.876	-3.8	90	0.00
71	P	Bromoform	50.000	55.113	-10.2	94	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	95	0.00
73	T	Isopropylbenzene	50.000	49.226	1.5	88	0.00
74	T	N-amyl acetate	50.000	49.310	1.4	87	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	53.301	-6.6	95	0.00
76	T	1,2,3-Trichloropropane	50.000	48.514	3.0	83	0.00
77	T	Bromobenzene	50.000	50.531	-1.1	91	0.00
78	T	n-propylbenzene	50.000	49.018	2.0	87	0.00
79	T	2-Chlorotoluene	50.000	49.125	1.8	88	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.564	0.9	88	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	48.183	3.6	88	0.00
82	T	4-Chlorotoluene	50.000	49.396	1.2	89	0.00
83	T	tert-Butylbenzene	50.000	48.542	2.9	88	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.378	1.2	89	0.00
85	T	sec-Butylbenzene	50.000	48.154	3.7	86	0.00
86	T	p-Isopropyltoluene	50.000	47.687	4.6	85	0.00
87	T	1,3-Dichlorobenzene	50.000	49.112	1.8	89	0.00
88	T	1,4-Dichlorobenzene	50.000	48.509	3.0	90	0.00
89	T	n-Butylbenzene	50.000	46.701	6.6	84	0.00
90	T	Hexachloroethane	50.000	50.194	-0.4	91	0.00
91	T	1,2-Dichlorobenzene	50.000	50.428	-0.9	91	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.667	-1.3	88	0.00
93	T	1,2,4-Trichlorobenzene	50.000	46.109	7.8	82	0.00
94	T	Hexachlorobutadiene	50.000	41.684	16.6	75	0.00
95	T	Naphthalene	50.000	49.163	1.7	87	0.00

Sample Results: **VX047896.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047896.D
Acq On : 30 Sep 2025 09:20
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 01 01:03:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	47.426	5.1	83	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX047923.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: Alliance
Contract: TETR06
Lab Code: ACE
SDG No.: Q3213
Instrument ID: MSVOA_X
Calibration Date/Time: 09/30/2025 19:30
Lab File ID: VX047923.D
Init. Calib. Date(s): 09/16/2025 09/16/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:23 12:01
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.582		12.35	50
Chloromethane	0.680	0.702	0.1	3.23	50
Vinyl Chloride	0.666	0.724		8.71	50
Bromomethane	0.422	0.460		9.01	50
Chloroethane	0.445	0.493		10.79	50
Trichlorofluoromethane	0.989	1.079		9.1	50
1,1,2-Trichlorotrifluoroethane	0.578	0.633		9.52	50
1,1-Dichloroethene	0.594	0.646		8.75	50
Acetone	0.346	0.315		-8.96	50
Carbon Disulfide	1.626	1.655		1.78	50
Methyl tert-butyl Ether	2.169	2.399		10.6	50
Methyl Acetate	0.770	1.002		30.13	50
Methylene Chloride	0.732	0.814		11.2	50
trans-1,2-Dichloroethene	0.640	0.698		9.06	50
1,1-Dichloroethane	1.263	1.405	0.1	11.24	50
Cyclohexane	1.052	1.031		-2	50
2-Butanone	0.432	0.482		11.57	50
Carbon Tetrachloride	0.532	0.541		1.69	50
cis-1,2-Dichloroethene	0.783	0.858		9.58	50
Bromochloromethane	0.551	0.591		7.26	50
Chloroform	1.276	1.447		13.4	50
1,1,1-Trichloroethane	1.082	1.173		8.41	50
Methylcyclohexane	0.556	0.532		-4.32	50
Benzene	1.488	1.614		8.47	50
1,2-Dichloroethane	0.566	0.612		8.13	50
Trichloroethene	0.360	0.387		7.5	50
1,2-Dichloropropane	0.381	0.430		12.86	50
Bromodichloromethane	0.572	0.640		11.89	50
4-Methyl-2-Pentanone	0.477	0.570		19.5	50
Toluene	0.917	0.985		7.41	50
t-1,3-Dichloropropene	0.584	0.607		3.94	50
cis-1,3-Dichloropropene	0.624	0.661		5.93	50
1,1,2-Trichloroethane	0.354	0.403		13.84	50
2-Hexanone	0.343	0.395		15.16	50
Dibromochloromethane	0.407	0.472		15.97	50
1,2-Dibromoethane	0.360	0.422		17.22	50
Tetrachloroethene	0.326	0.331		1.53	50
Chlorobenzene	1.136	1.178	0.3	3.7	50

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

Raw Data: **VX047923.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: TETR06
Lab Code: ACE
SDG No.: Q3213
Instrument ID: MSVOA_X
Calibration Date/Time: 09/30/2025 19:30
Lab File ID: VX047923.D
Init. Calib. Date(s): 09/16/2025 09/16/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:23 12:01
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.960	2.014		2.76	50
m/p-Xylenes	0.729	0.760		4.25	50
o-Xylene	0.706	0.734		3.97	50
Styrene	1.236	1.311		6.07	50
Bromoform	0.293	0.335	0.1	14.33	50
Isopropylbenzene	3.801	3.761		-1.05	50
1,1,2,2-Tetrachloroethane	1.150	1.256	0.3	9.22	50
1,3-Dichlorobenzene	1.739	1.732		-0.4	50
1,4-Dichlorobenzene	1.785	1.749		-2.02	50
1,2-Dichlorobenzene	1.657	1.688		1.87	50
1,2-Dibromo-3-Chloropropane	0.233	0.244		4.72	50
1,2,4-Trichlorobenzene	1.077	1.022		-5.11	50
1,2,3-Trichlorobenzene	1.002	0.979		-2.3	50
1,2-Dichloroethane-d4	0.796	0.844		6.03	50
Dibromofluoromethane	0.335	0.363		8.36	50
Toluene-d8	1.160	1.231		6.12	50
4-Bromofluorobenzene	0.440	0.471		7.05	50

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047923.D
Acq On : 30 Sep 2025 19:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 01 01:17:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	132534	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	238365	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	220521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	110310	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	111905	53.045	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.100%			
35) Dibromofluoromethane	5.373	113	86570	54.153	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.300%			
50) Toluene-d8	8.634	98	293390	53.040	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.080%			
62) 4-Bromofluorobenzene	11.061	95	112253	53.472	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	77088	56.170	ug/l	98
3) Chloromethane	1.300	50	92995	51.557	ug/l	98
4) Vinyl Chloride	1.380	62	95992	54.366	ug/l	97
5) Bromomethane	1.611	94	60978	54.463	ug/l	99
6) Chloroethane	1.691	64	65276	55.314	ug/l	97
7) Trichlorofluoromethane	1.892	101	143051	54.566	ug/l	97
8) Diethyl Ether	2.136	74	59427	55.414	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	83865	54.709	ug/l	98
10) Methyl Iodide	2.459	142	104700	43.794	ug/l	100
11) Tert butyl alcohol	2.946	59	60760	258.604	ug/l	99
12) 1,1-Dichloroethene	2.325	96	85570	54.342	ug/l	98
13) Acrolein	2.239	56	57256	264.445	ug/l	99
14) Allyl chloride	2.666	41	162904	50.135	ug/l	98
15) Acrylonitrile	3.056	53	268563	308.592	ug/l	99
16) Acetone	2.373	43	208981	227.831	ug/l	100
17) Carbon Disulfide	2.514	76	219361	50.887	ug/l	98
18) Methyl Acetate	2.703	43	132826	65.067	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	317909	55.306	ug/l	99
20) Methylene Chloride	2.788	84	107848	55.546	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	92481	54.552	ug/l	97
22) Diisopropyl ether	3.751	45	352433	55.966	ug/l #	85
23) Vinyl Acetate	3.715	43	1411660	280.091	ug/l	99
24) 1,1-Dichloroethane	3.605	63	186212	55.634	ug/l	99
25) 2-Butanone	4.544	43	319392	279.147	ug/l	98
26) 2,2-Dichloropropane	4.471	77	117774	42.330	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	113694	54.761	ug/l	96
28) Bromochloromethane	4.885	49	78327	53.604	ug/l	100
29) Tetrahydrofuran	4.995	42	202985	294.905	ug/l	100
30) Chloroform	5.086	83	191739	56.689	ug/l	98
31) Cyclohexane	5.464	56	136628	49.011	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	155464	54.189	ug/l	99
36) 1,1-Dichloropropene	5.684	75	115949	49.637	ug/l	97
37) Ethyl Acetate	4.696	43	136927	54.746	ug/l	100
38) Carbon Tetrachloride	5.666	117	128895	50.785	ug/l	99
39) Methylcyclohexane	7.366	83	126763	47.806	ug/l	99
40) Benzene	6.025	78	384636	54.213	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047923.D
Acq On : 30 Sep 2025 19:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 01 01:17:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.903	41	73700	57.078	ug/l		99
42) 1,2-Dichloroethane	6.074	62	145986	54.079	ug/l		100
43) Isopropyl Acetate	6.324	43	224413	54.708	ug/l		98
44) Trichloroethene	7.110	130	92363	53.847	ug/l		96
45) 1,2-Dichloropropane	7.415	63	102592	56.471	ug/l		99
46) Dibromomethane	7.568	93	72842	55.099	ug/l		96
47) Bromodichloromethane	7.805	83	152453	55.883	ug/l		97
48) Methyl methacrylate	7.677	41	113343	55.472	ug/l		97
49) 1,4-Dioxane	7.647	88	26956	1305.423	ug/l		97
51) 4-Methyl-2-Pentanone	8.561	43	679876	298.935	ug/l		100
52) Toluene	8.702	92	234858	53.729	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	144726	52.010	ug/l		98
54) cis-1,3-Dichloropropene	8.354	75	157465	52.943	ug/l		98
55) 1,1,2-Trichloroethane	9.134	97	95983	56.947	ug/l		98
56) Ethyl methacrylate	9.104	69	149817	56.599	ug/l		97
57) 1,3-Dichloropropane	9.293	76	164563	56.837	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	384496	300.103	ug/l		99
59) 2-Hexanone	9.415	43	470259	287.896	ug/l		99
60) Dibromochloromethane	9.506	129	112557	57.958	ug/l		99
61) 1,2-Dibromoethane	9.592	107	100581	58.588	ug/l		100
64) Tetrachloroethene	9.256	164	73046	50.812	ug/l		97
65) Chlorobenzene	10.061	112	259779	51.854	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.146	131	92447	53.476	ug/l		99
67) Ethyl Benzene	10.177	91	444221	51.390	ug/l		99
68) m/p-Xylenes	10.287	106	334993	104.119	ug/l		99
69) o-Xylene	10.628	106	161921	52.032	ug/l		99
70) Styrene	10.640	104	289190	53.035	ug/l		98
71) Bromoform	10.780	173	73852	57.212	ug/l	#	97
73) Isopropylbenzene	10.945	105	414872	49.469	ug/l		99
74) N-amyl acetate	10.829	43	194530	50.866	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	138566	54.611	ug/l		99
76) 1,2,3-Trichloropropane	11.225	75	105320m	47.156	ug/l		
77) Bromobenzene	11.183	156	103795	50.251	ug/l		98
78) n-propylbenzene	11.286	91	485929	49.015	ug/l		99
79) 2-Chlorotoluene	11.347	91	298892	49.224	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	339378	49.255	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.000	75	40353	46.075	ug/l		99
82) 4-Chlorotoluene	11.439	91	355988	49.640	ug/l		100
83) tert-Butylbenzene	11.695	119	345986	49.053	ug/l		98
84) 1,2,4-Trimethylbenzene	11.732	105	346035	49.536	ug/l		100
85) sec-Butylbenzene	11.872	105	409794	48.913	ug/l		100
86) p-Isopropyltoluene	11.994	119	342231	48.250	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	191106	49.812	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	192965	49.006	ug/l		99
89) n-Butylbenzene	12.317	91	312733	47.651	ug/l		98
90) Hexachloroethane	12.518	117	62984	50.578	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	186186	50.939	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	26953	52.467	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	112758	47.467	ug/l		98
94) Hexachlorobutadiene	13.707	225	36753	45.550	ug/l		98
95) Naphthalene	13.756	128	370067	51.160	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	107969	48.861	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047923.D
Acq On : 30 Sep 2025 19:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

Quant Time: Oct 01 01:17:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

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

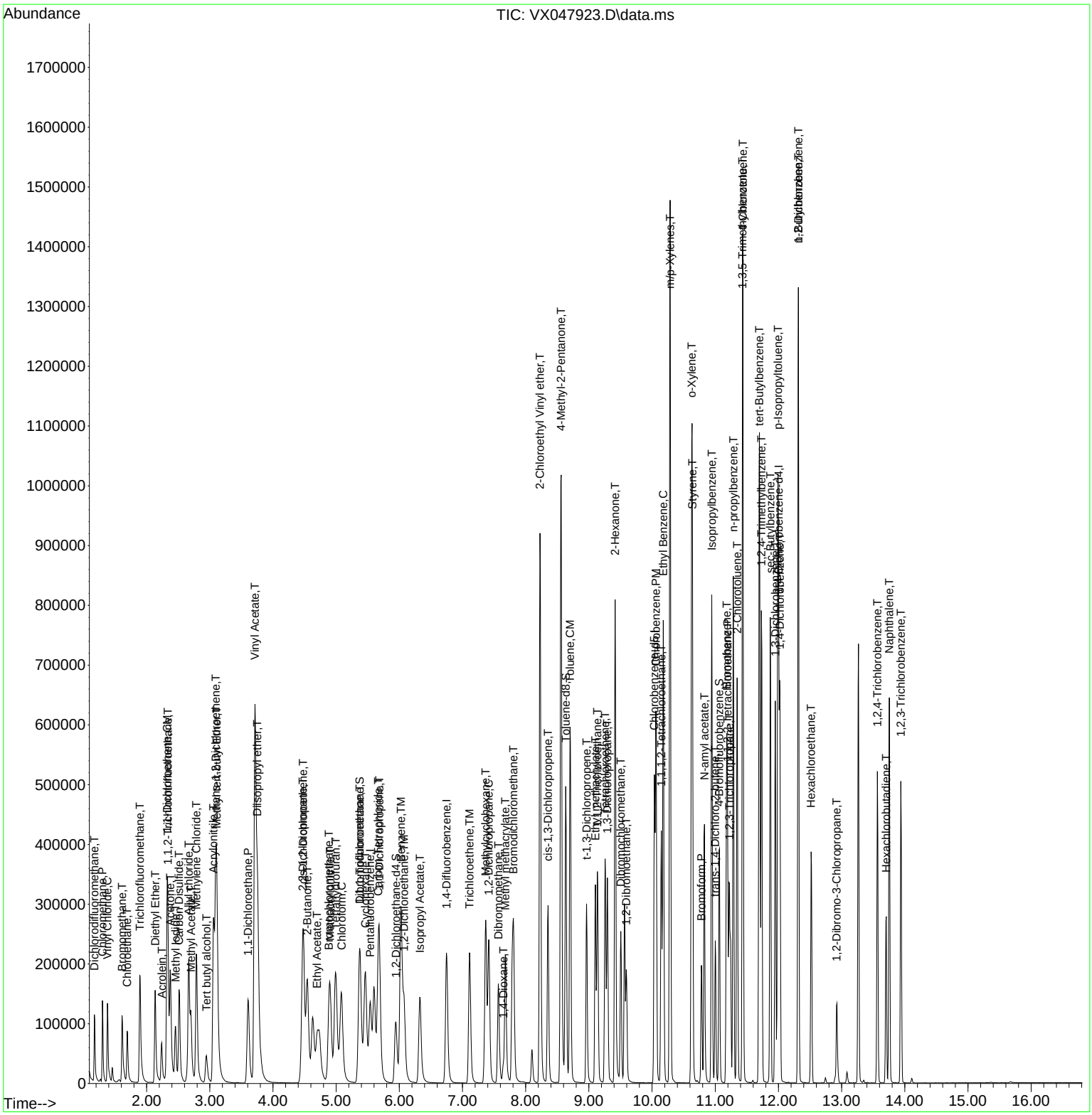
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047923.D
Acq On : 30 Sep 2025 19:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

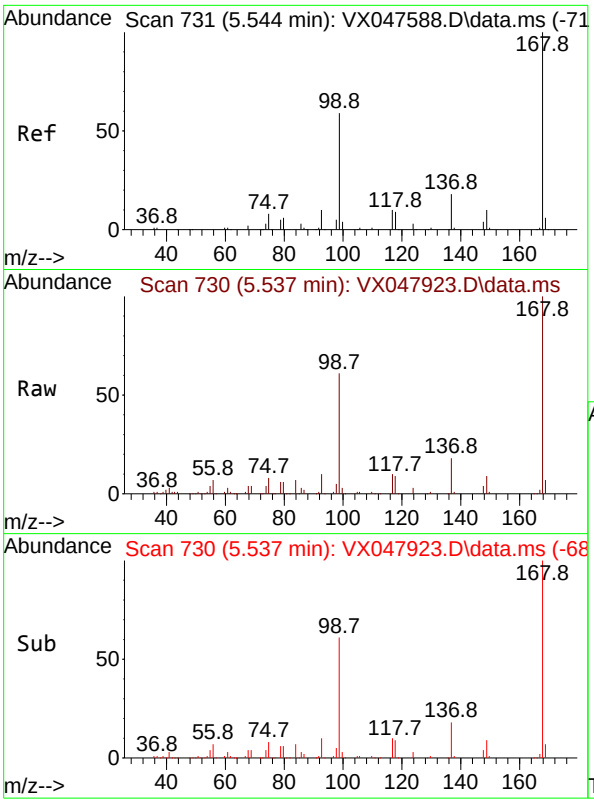
Quant Time: Oct 01 01:17:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

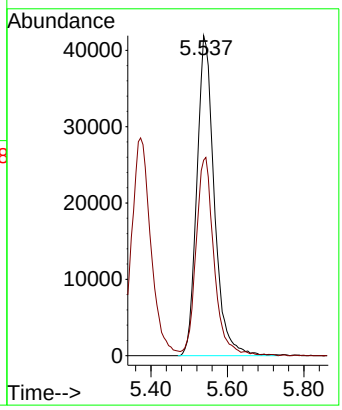




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:168 Resp: 13253

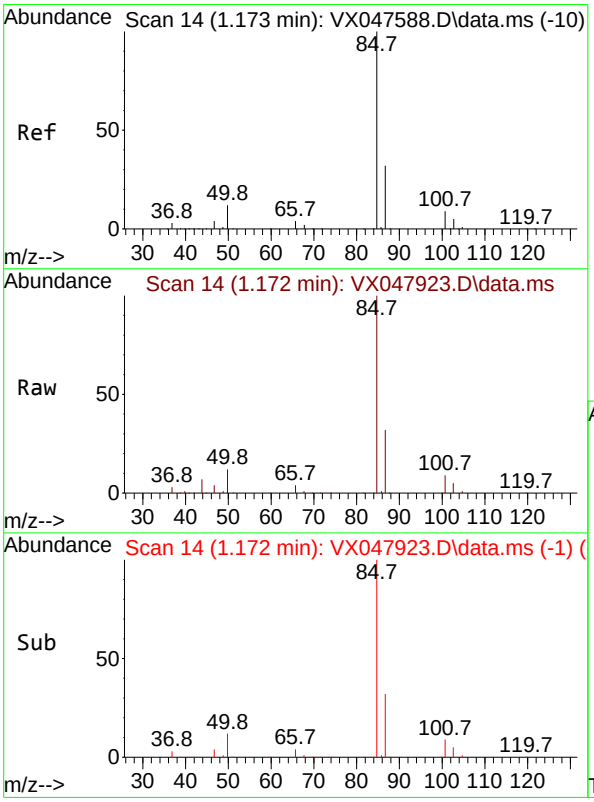
Ion	Ratio	Lower	Upper
168	100		
99	61.1	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

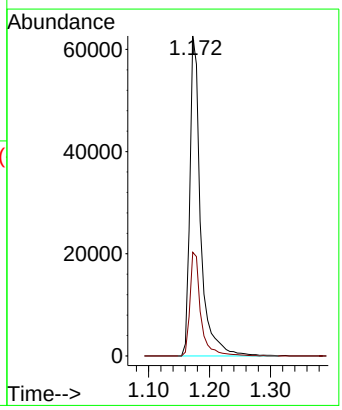
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

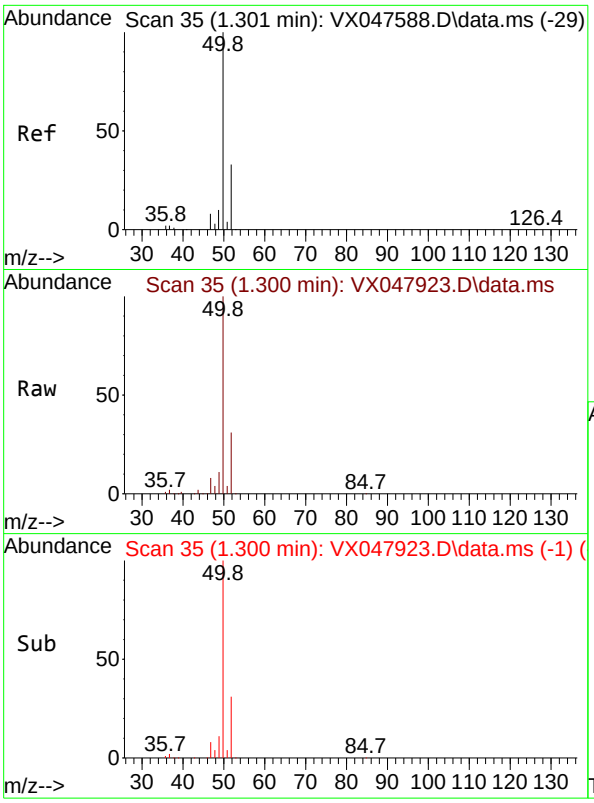


#2
Dichlorodifluoromethane
Concen: 56.170 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 85 Resp: 77088

Ion	Ratio	Lower	Upper
85	100		
87	32.8	15.8	47.3

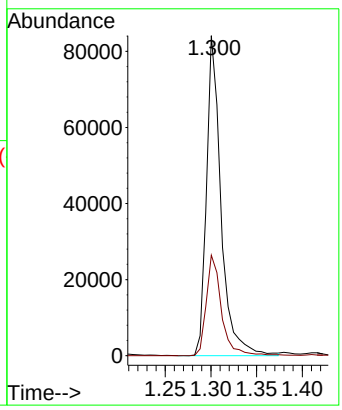




#3
Chloromethane
Concen: 51.557 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 50 Resp: 9299

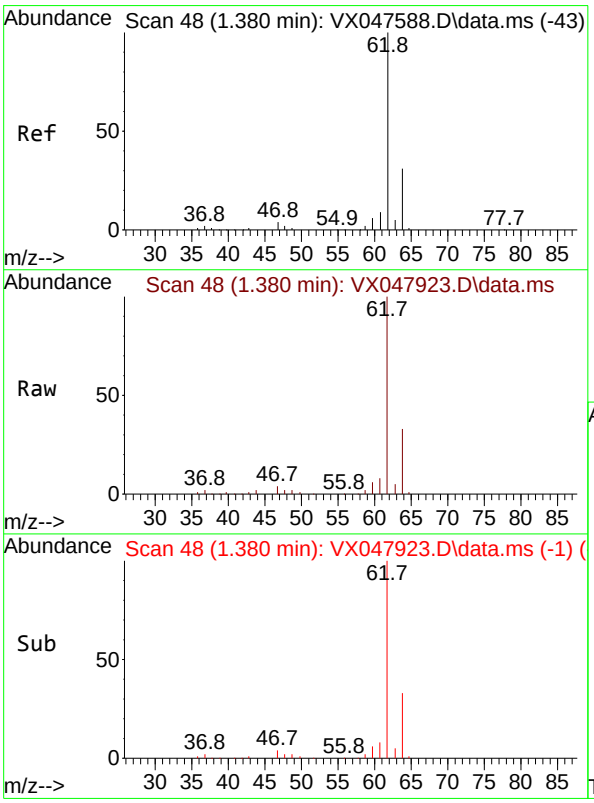
Ion	Ratio	Lower	Upper
50	100		
52	31.4	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

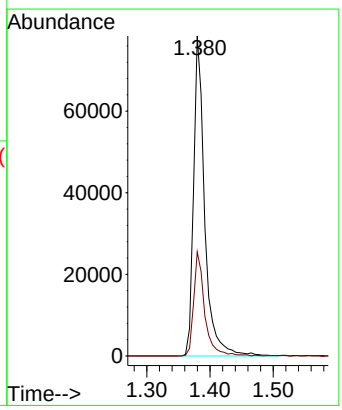
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

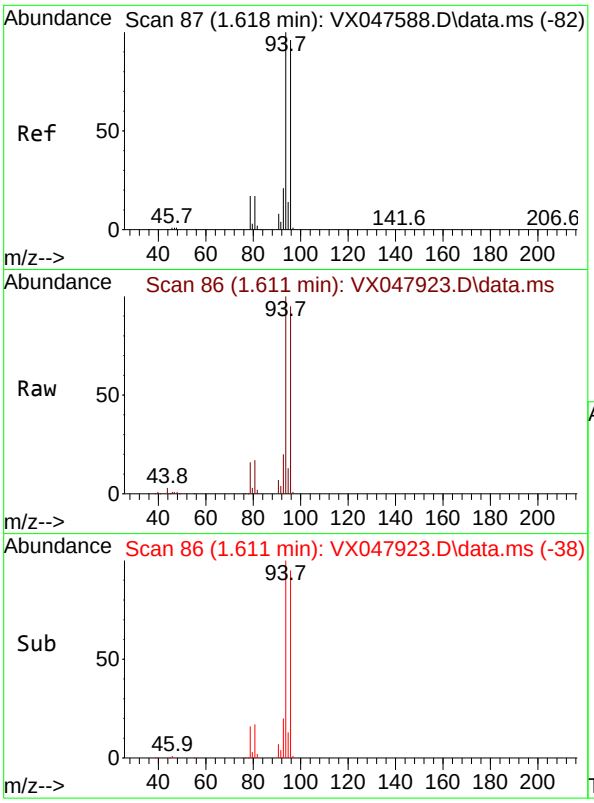


#4
Vinyl Chloride
Concen: 54.366 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 62 Resp: 95992

Ion	Ratio	Lower	Upper
62	100		
64	32.6	24.9	37.3





#5
Bromomethane
Concen: 54.463 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

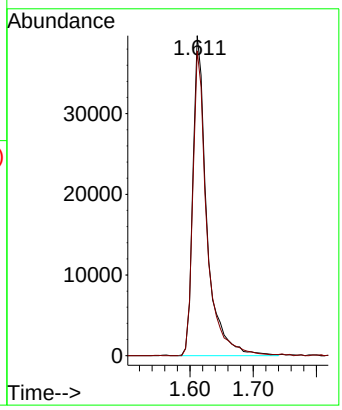
Tgt Ion: 94 Resp: 6097

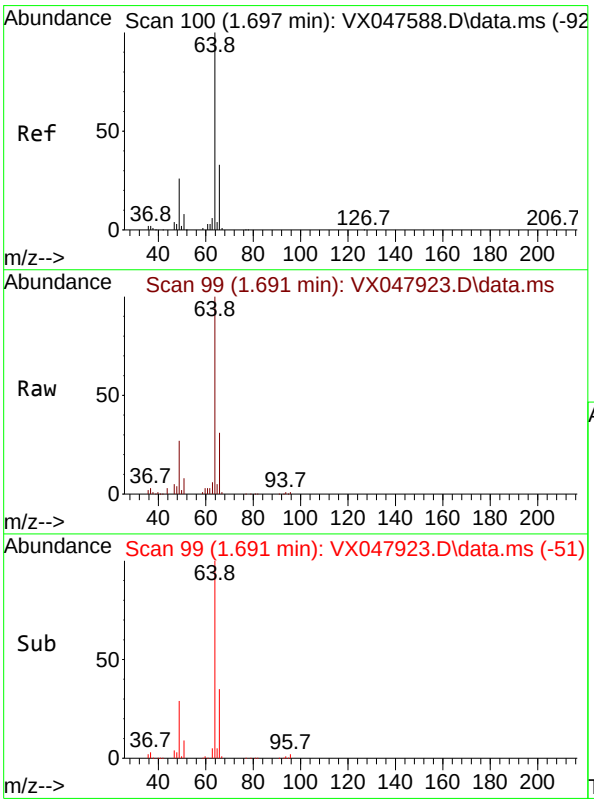
Ion	Ratio	Lower	Upper
94	100		
96	95.2	76.6	115.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

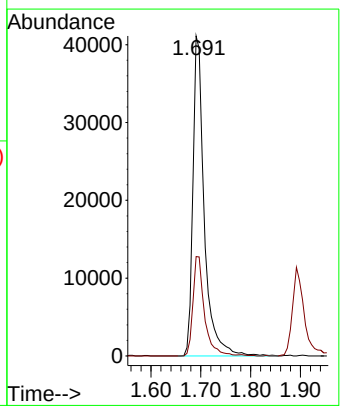


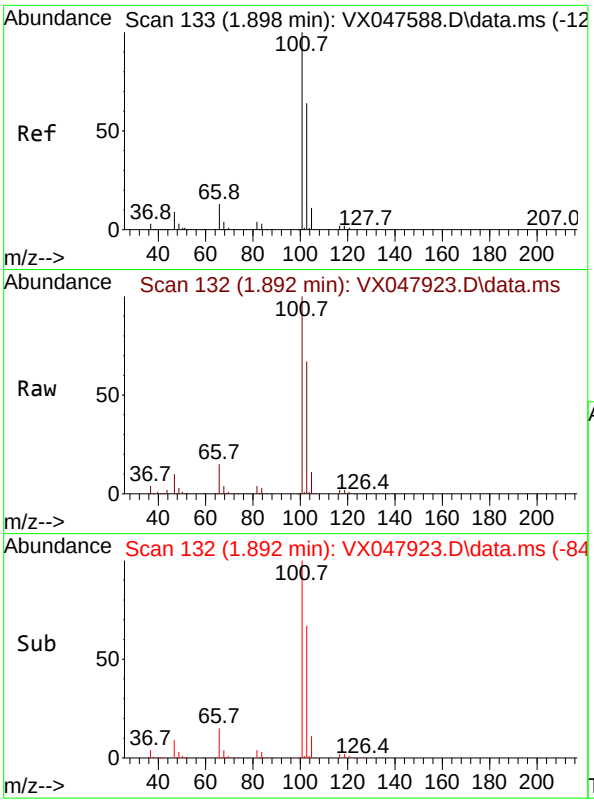


#6
Chloroethane
Concen: 55.314 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 64 Resp: 65276

Ion	Ratio	Lower	Upper
64	100		
66	31.1	26.1	39.1





#7
Trichlorofluoromethane
Concen: 54.566 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

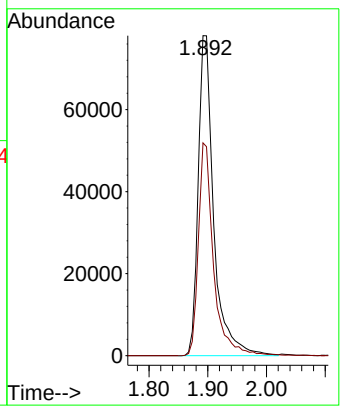
Tgt Ion:101 Resp: 14305

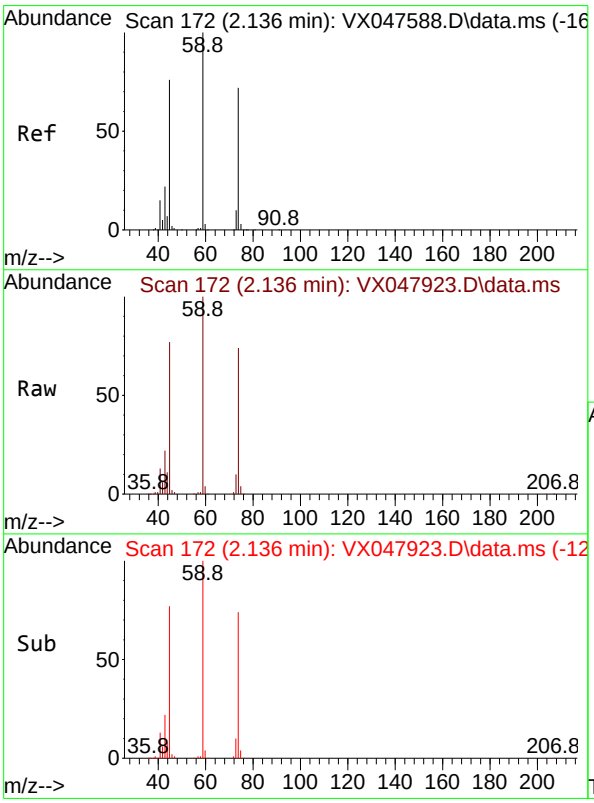
Ion	Ratio	Lower	Upper
101	100		
103	66.5	51.4	77.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

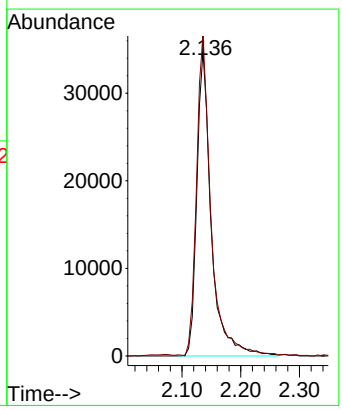


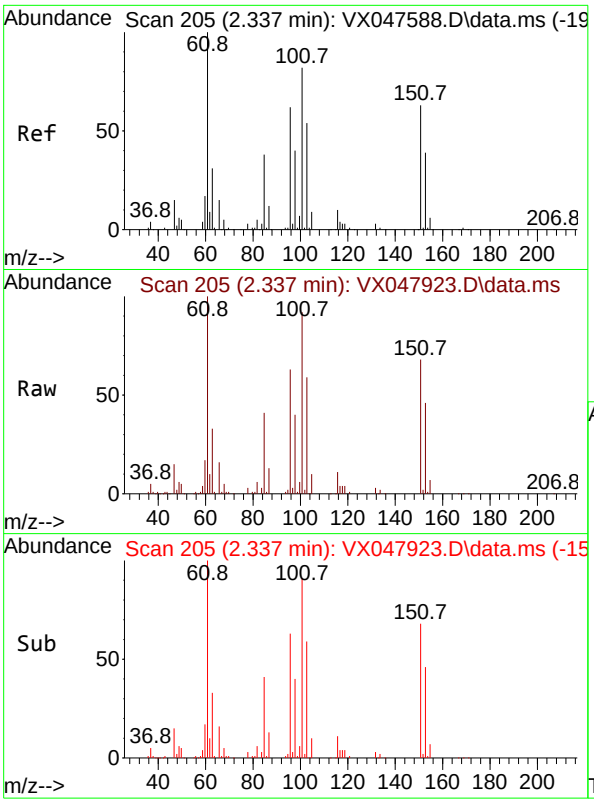


#8
Diethyl Ether
Concen: 55.414 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 74 Resp: 59427

Ion	Ratio	Lower	Upper
74	100		
45	105.0	52.3	156.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.709 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

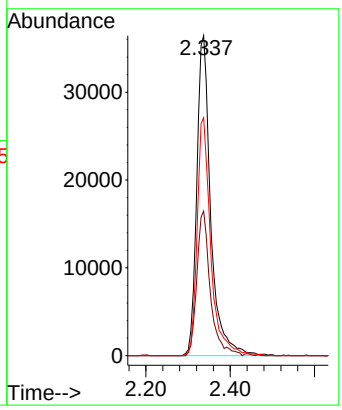
Tgt Ion:101 Resp: 8386

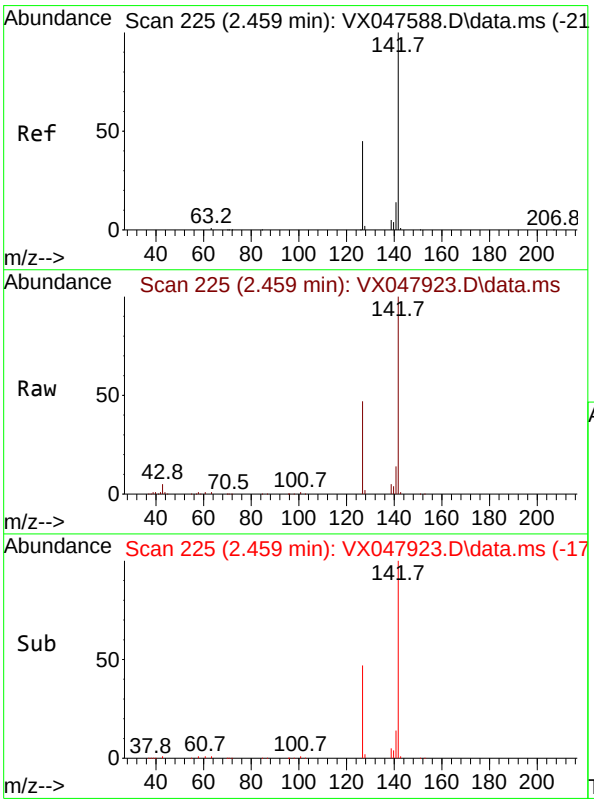
Ion	Ratio	Lower	Upper
101	100		
85	43.7	35.5	53.3
151	72.7	59.4	89.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

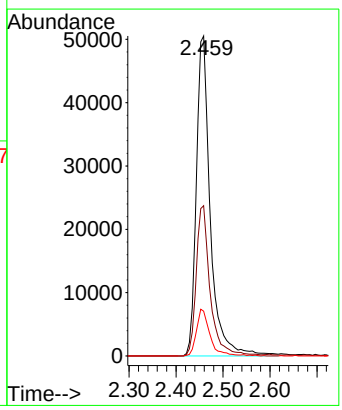


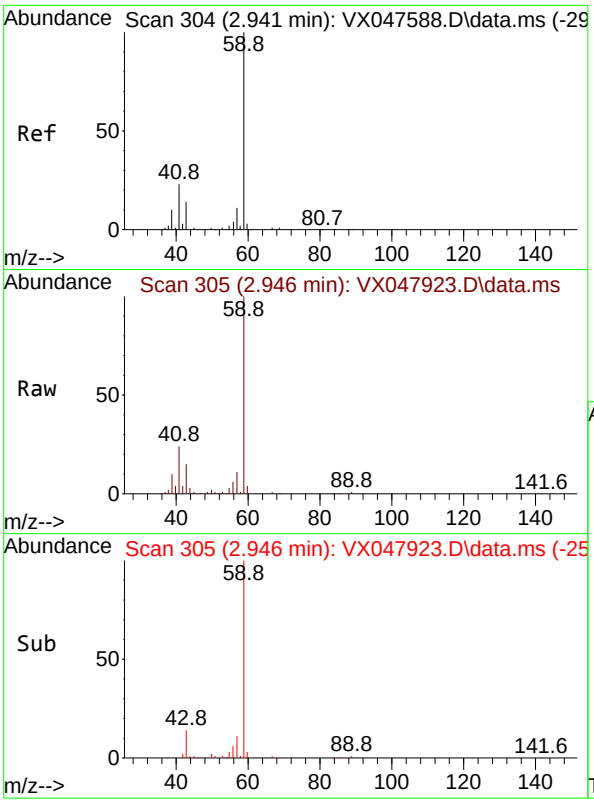


#10
Methyl Iodide
Concen: 43.794 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:142 Resp: 104700

Ion	Ratio	Lower	Upper
142	100		
127	46.8	37.2	55.8
141	14.2	11.4	17.0

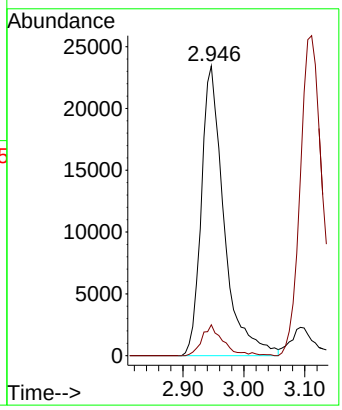




#11
Tert butyl alcohol
Concen: 258.604 ug/l
RT: 2.946 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 59 Resp: 6076

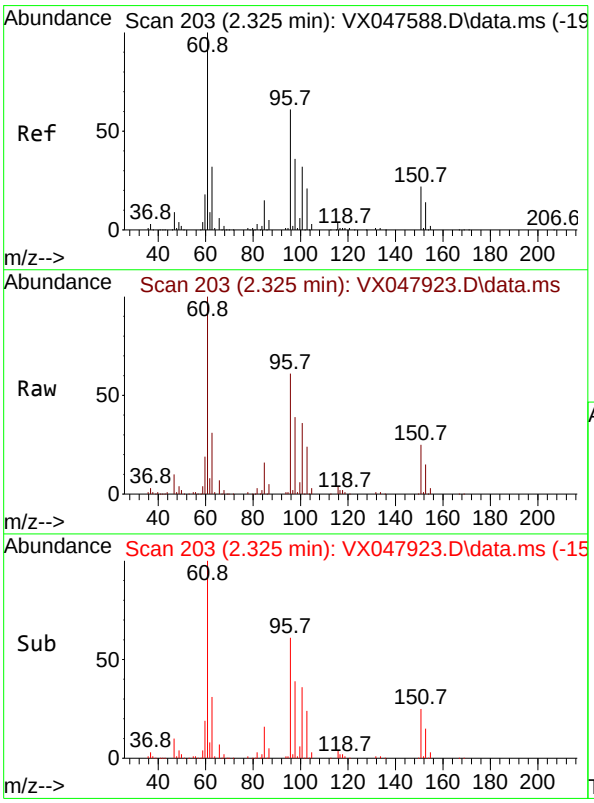
Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

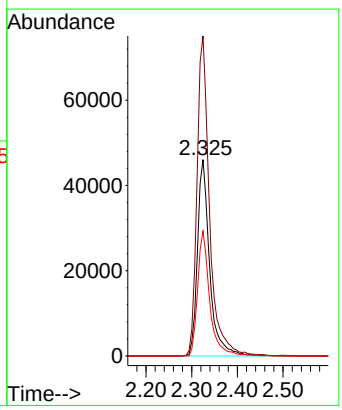
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

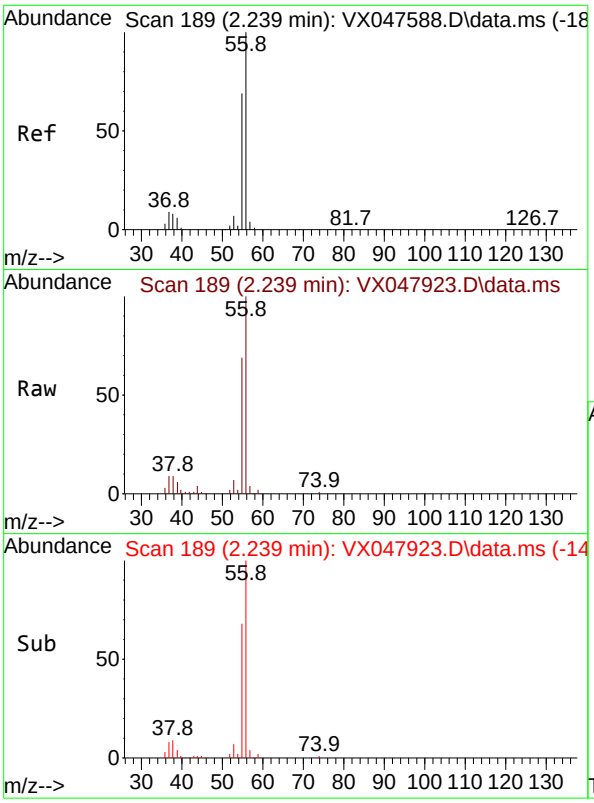


#12
1,1-Dichloroethene
Concen: 54.342 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 96 Resp: 85570

Ion	Ratio	Lower	Upper
96	100		
61	163.1	131.0	196.6
98	63.6	47.7	71.5

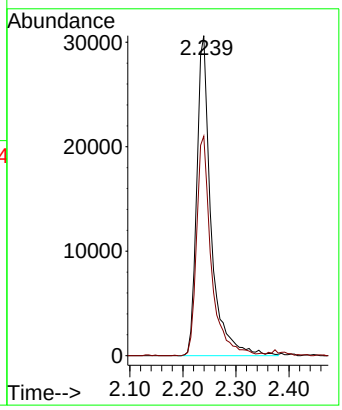




#13
Acrolein
Concen: 264.445 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 56 Resp: 5725

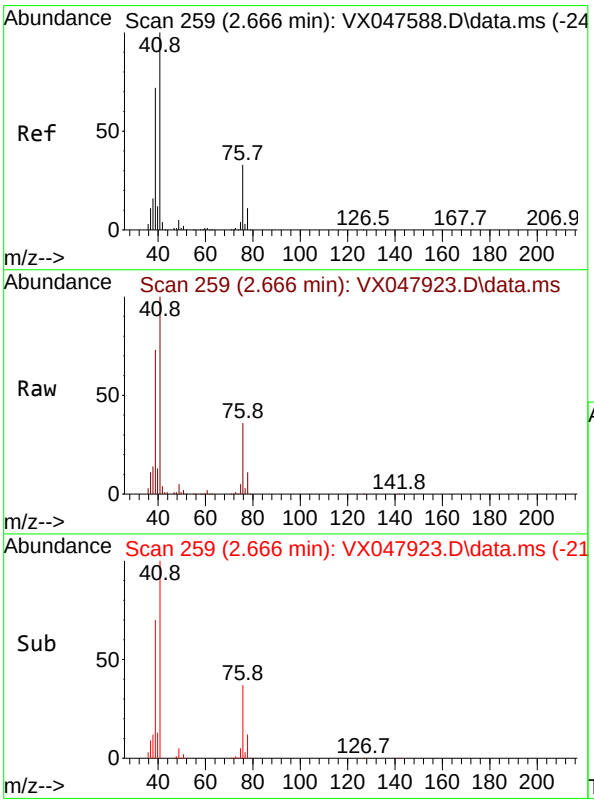
Ion	Ratio	Lower	Upper
56	100		
55	70.8	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

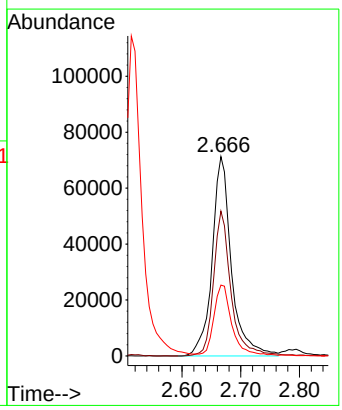
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

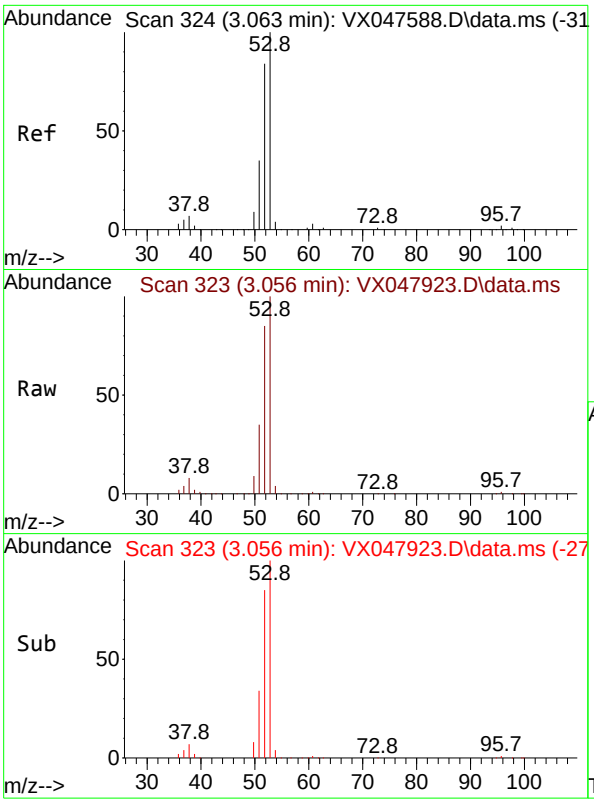


#14
Allyl chloride
Concen: 50.135 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 41 Resp: 162904

Ion	Ratio	Lower	Upper
41	100		
39	66.0	54.7	82.1
76	32.5	25.7	38.5

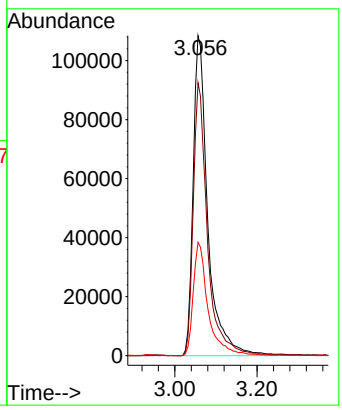




#15
Acrylonitrile
Concen: 308.592 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 53 Resp: 26856

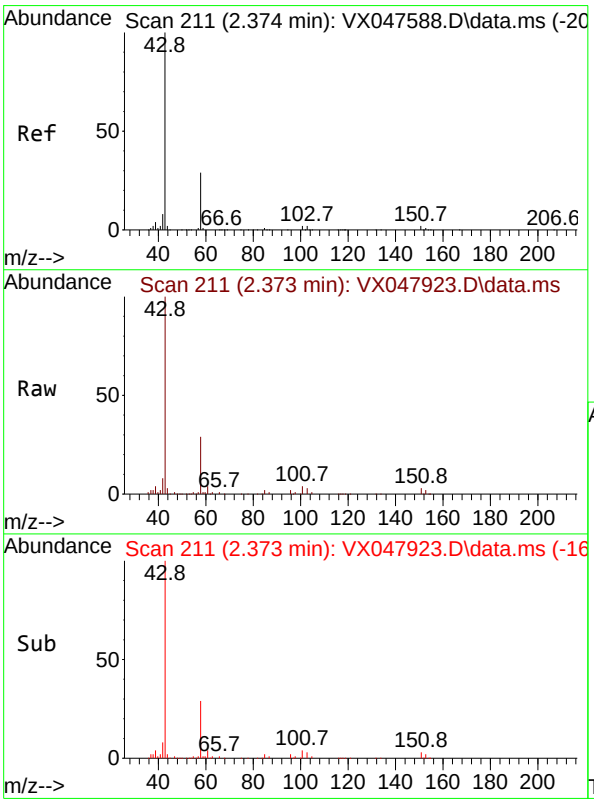
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.4	99.6
51	36.3	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

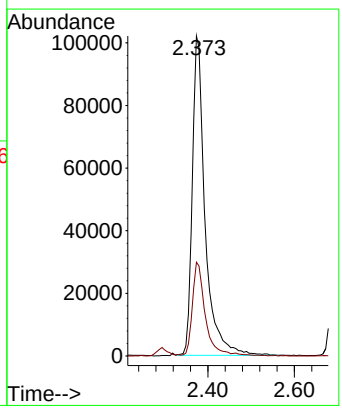
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

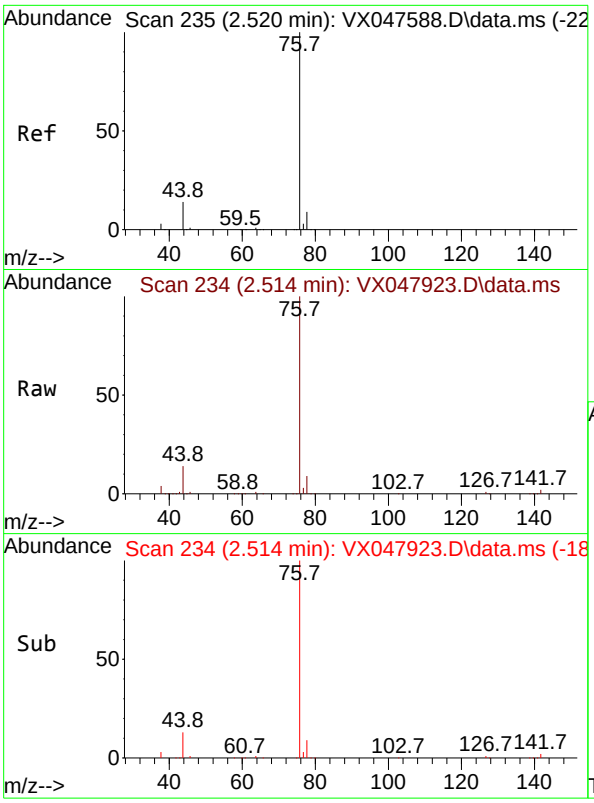


#16
Acetone
Concen: 227.831 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 43 Resp: 208981

Ion	Ratio	Lower	Upper
43	100		
58	29.3	23.4	35.0





#17
Carbon Disulfide
Concen: 50.887 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

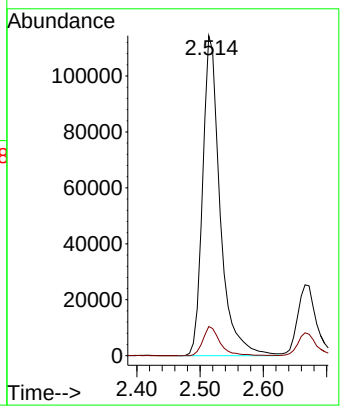
Tgt Ion: 76 Resp: 21936

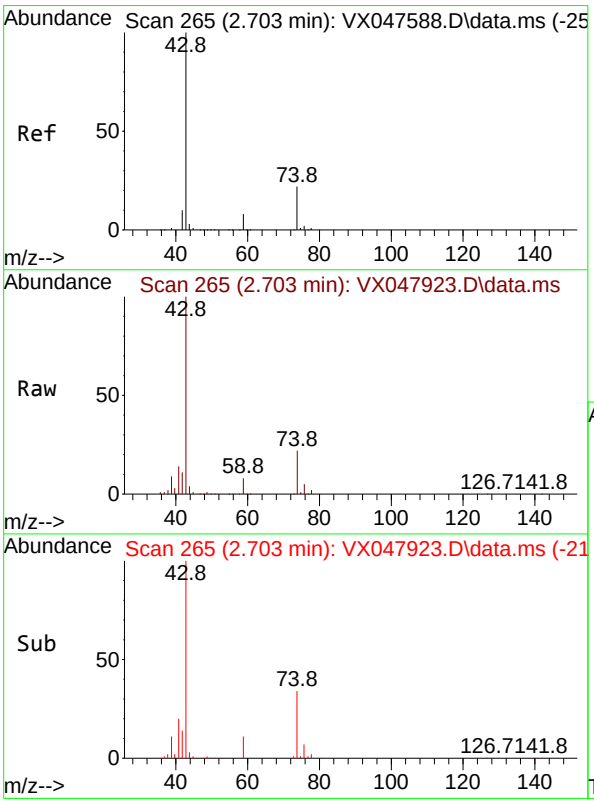
Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.8	10.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

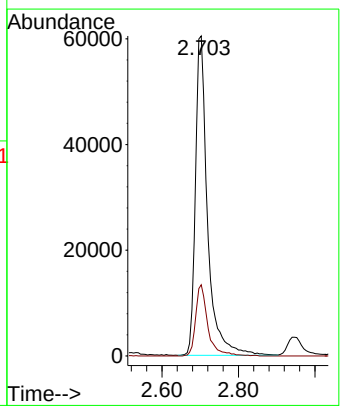


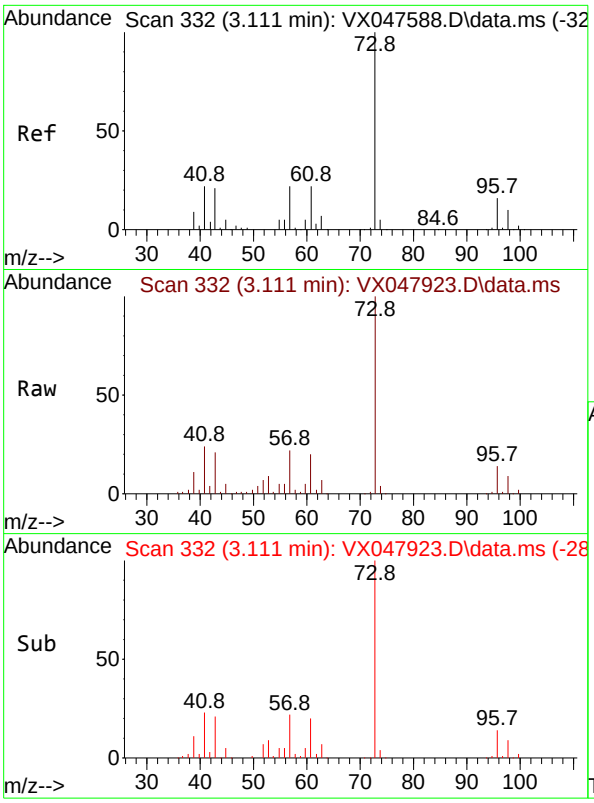


#18
Methyl Acetate
Concen: 65.067 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 43 Resp: 132826

Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.4	26.2

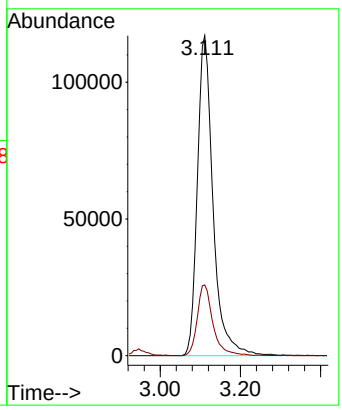




#19
Methyl tert-butyl Ether
Concen: 55.306 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 73 Resp: 31790

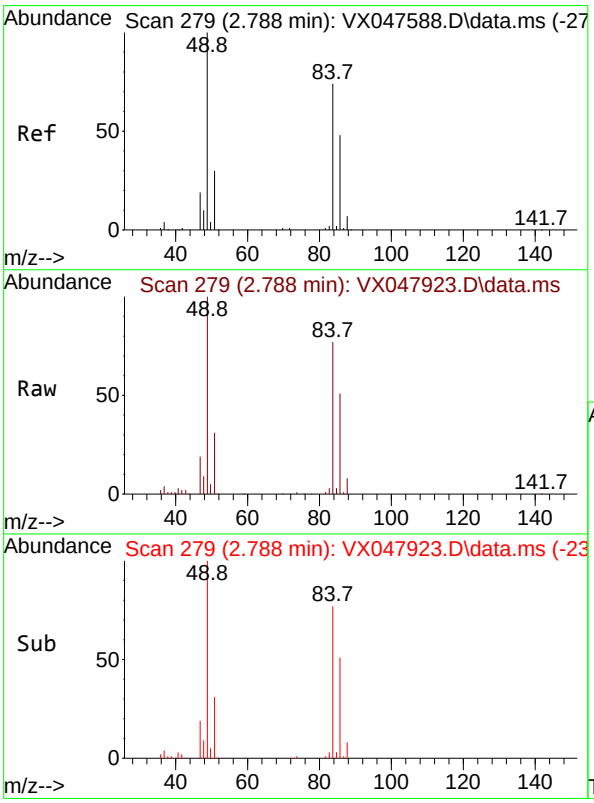
Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

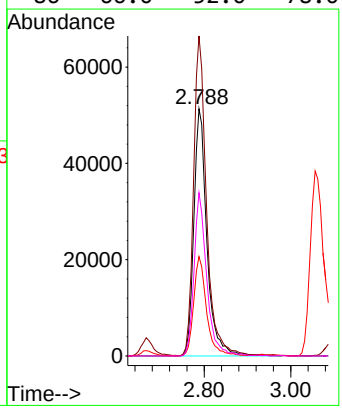
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

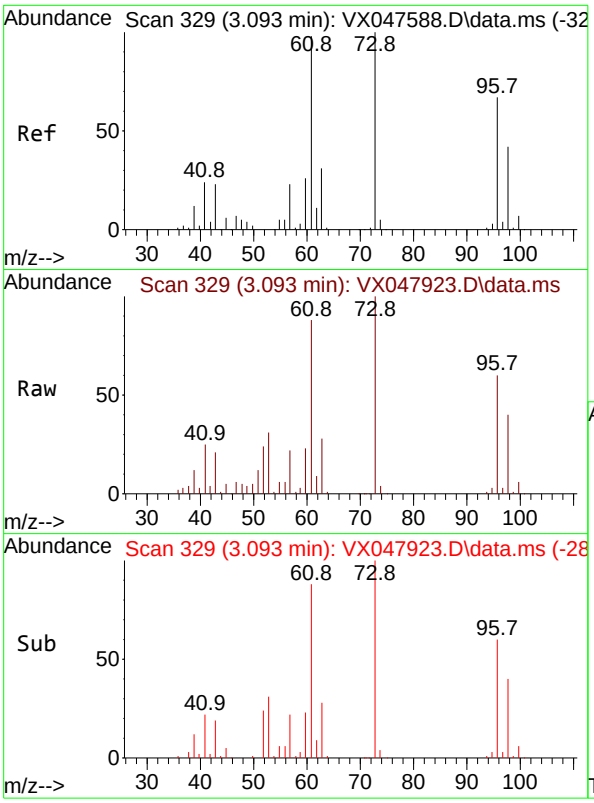


#20
Methylene Chloride
Concen: 55.546 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 84 Resp: 107848

Ion	Ratio	Lower	Upper
84	100		
49	129.4	108.6	162.8
51	40.2	32.6	48.8
86	66.0	52.0	78.0

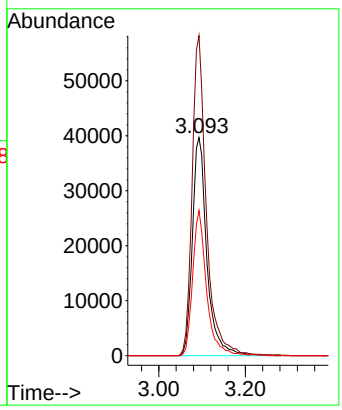




#21
trans-1,2-Dichloroethene
Concen: 54.552 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 96 Resp: 9248

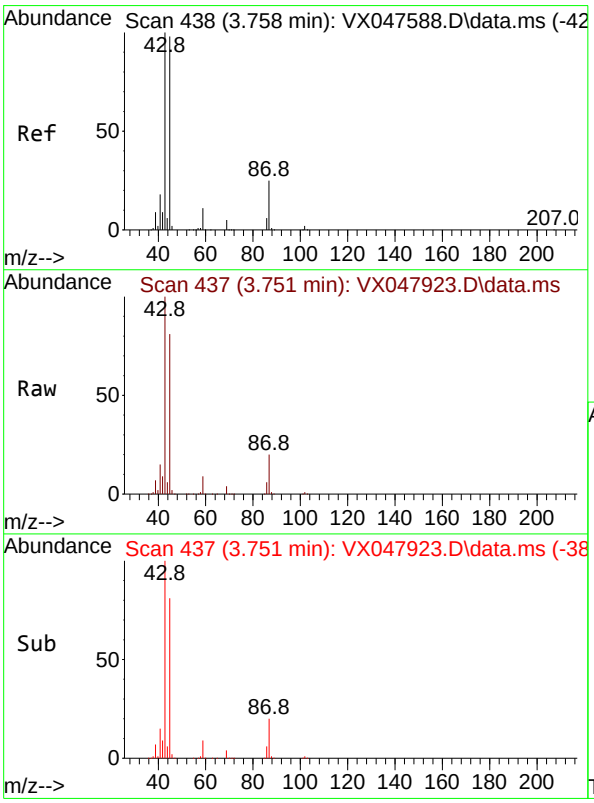
Ion	Ratio	Lower	Upper
96	100		
61	146.8	116.2	174.2
98	66.6	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

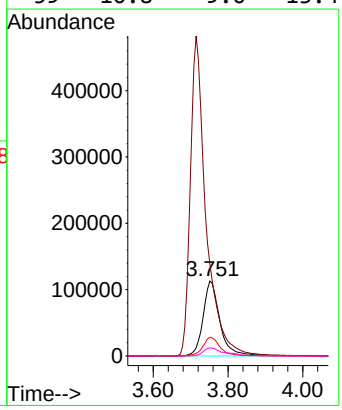
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

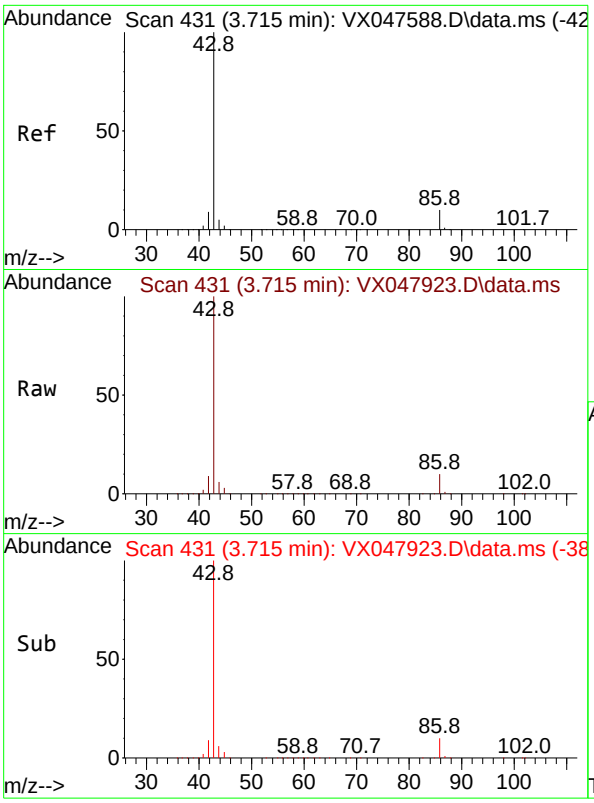


#22
Diisopropyl ether
Concen: 55.966 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 45 Resp: 352433

Ion	Ratio	Lower	Upper
45	100		
43	121.9	81.0	121.4#
87	25.0	20.3	30.5
59	10.8	9.0	13.4





#23
Vinyl Acetate
Concen: 280.091 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

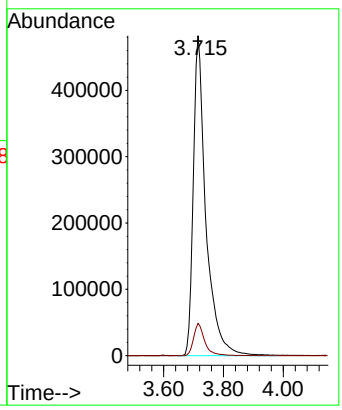
Tgt Ion: 43 Resp: 141166

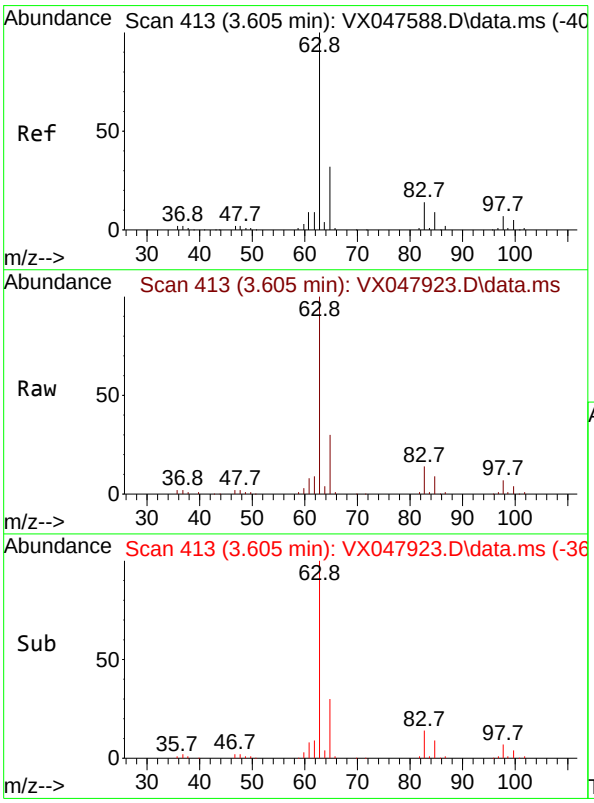
Ion	Ratio	Lower	Upper
43	100		
86	10.1	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

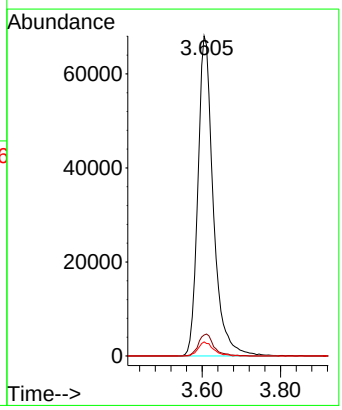


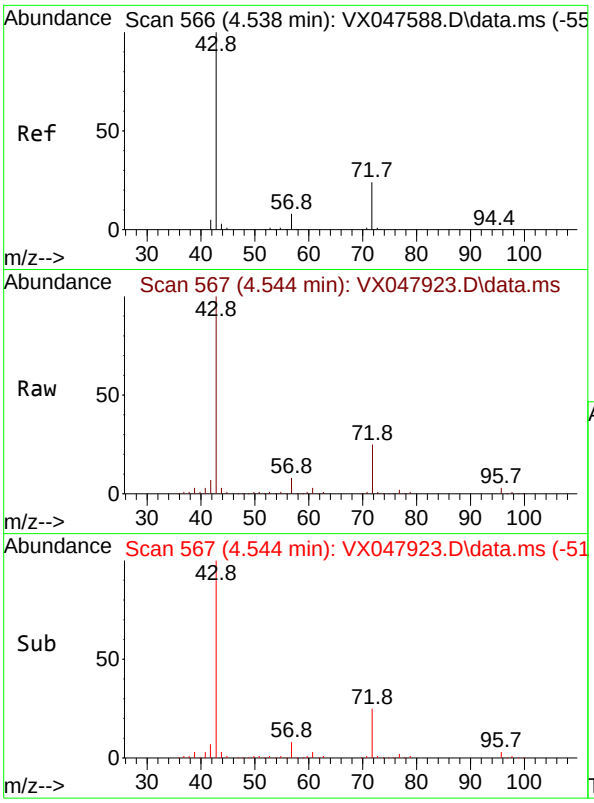


#24
1,1-Dichloroethane
Concen: 55.634 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 63 Resp: 186212

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.8	11.2
100	4.4	2.3	6.9





#25
2-Butanone
Concen: 279.147 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

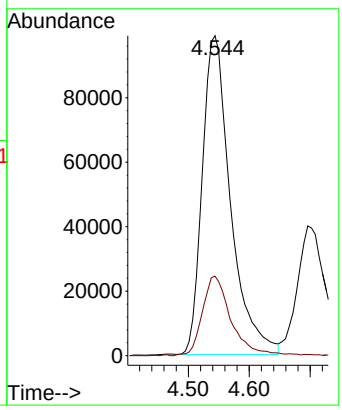
Tgt Ion: 43 Resp: 31939

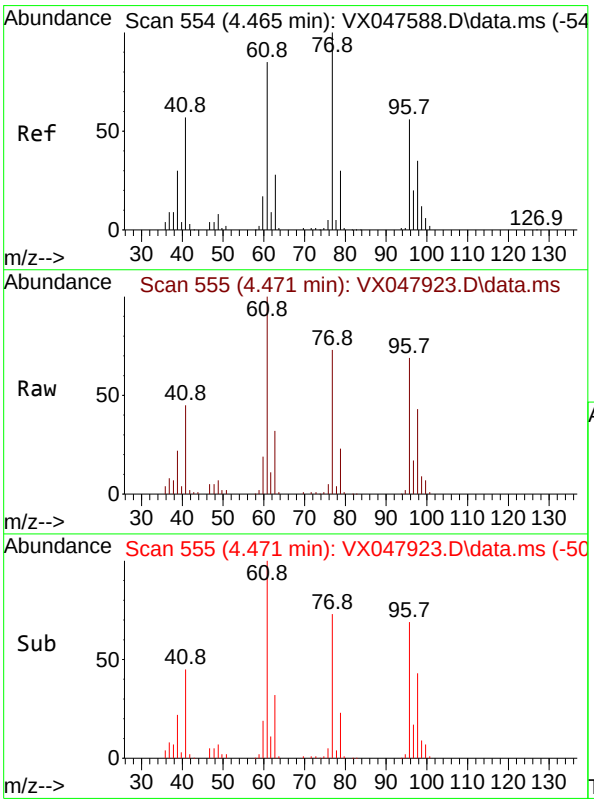
Ion	Ratio	Lower	Upper
43	100		
72	24.3	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

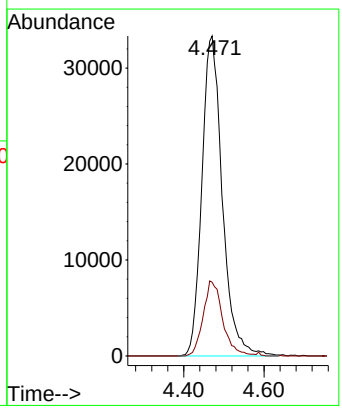


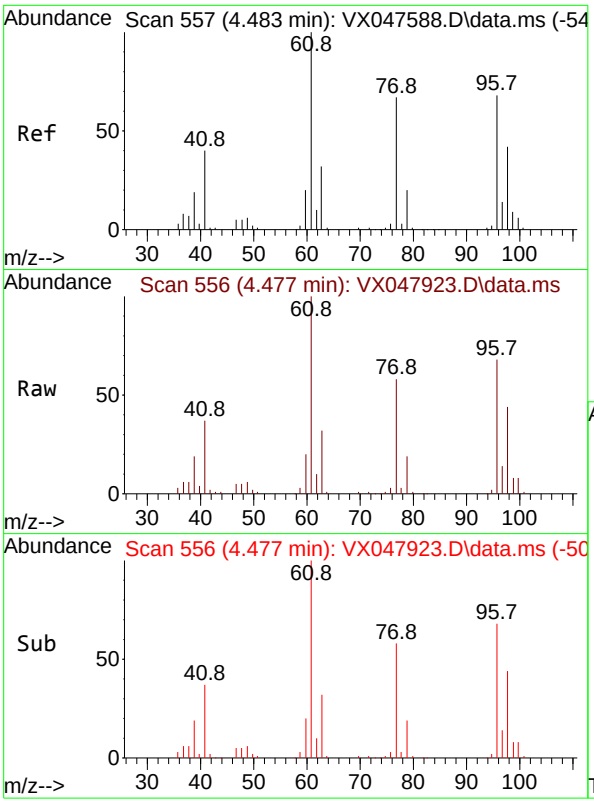


#26
2,2-Dichloropropane
Concen: 42.330 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 77 Resp: 117774

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.9	32.7





#27
cis-1,2-Dichloroethene
Concen: 54.761 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

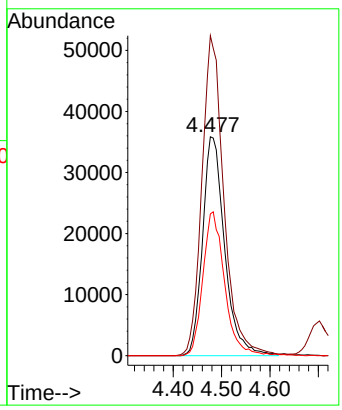
Tgt Ion: 96 Resp: 11369

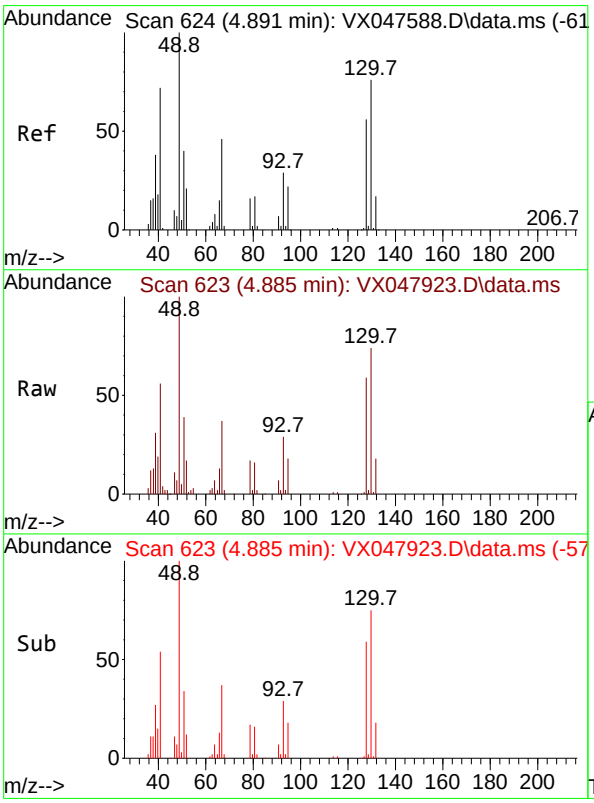
Ion	Ratio	Lower	Upper
96	100		
61	145.7	0.0	303.2
98	64.9	0.0	127.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

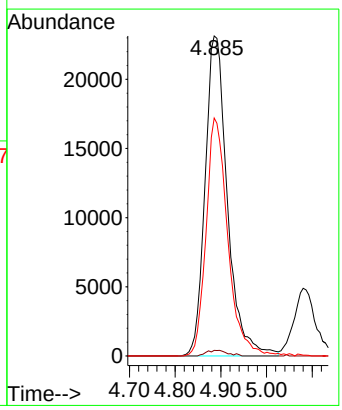


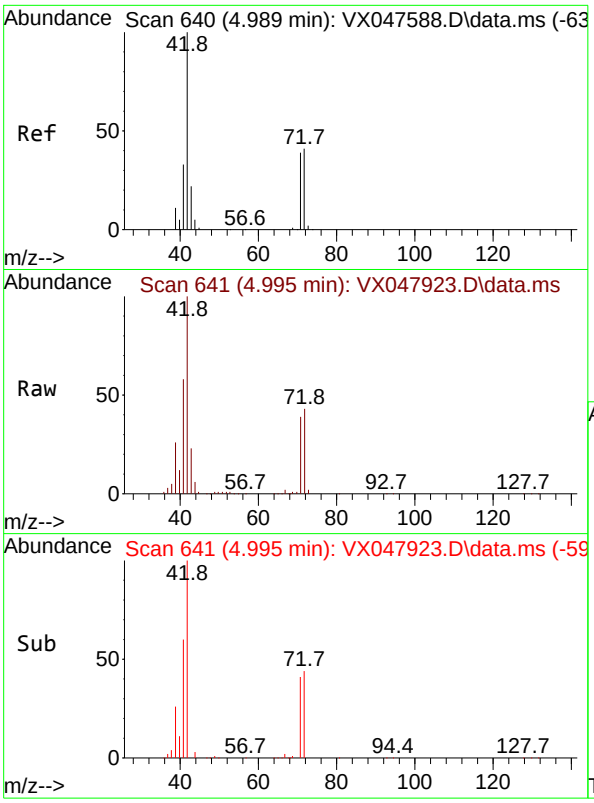


#28
Bromochloromethane
Concen: 53.604 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 49 Resp: 78327

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	72.5	57.8	86.8





#29
Tetrahydrofuran
Concen: 294.905 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

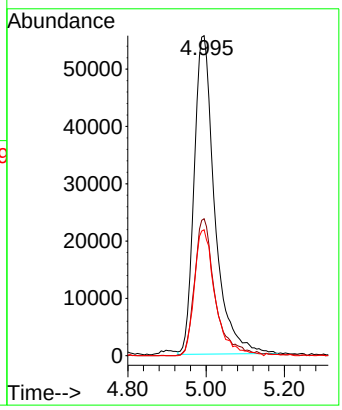
Tgt Ion: 42 Resp: 20298

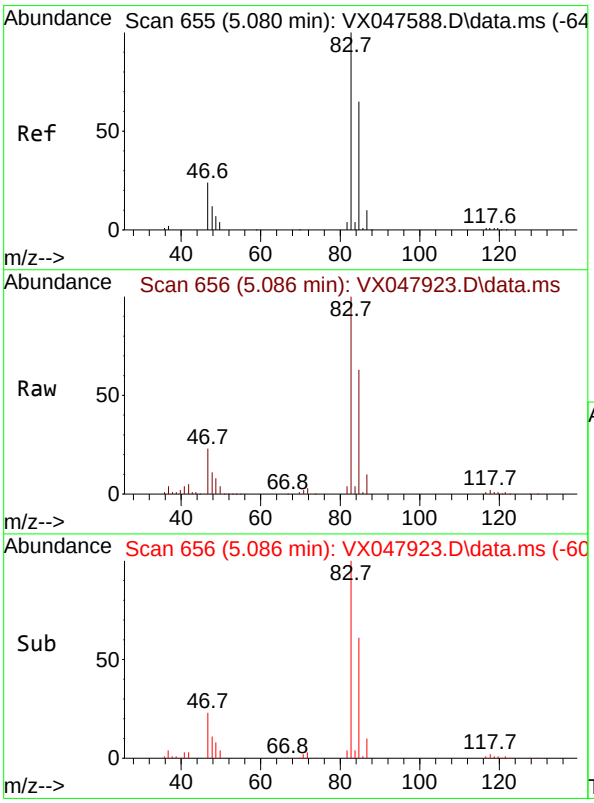
Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.2	51.2
71	40.0	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

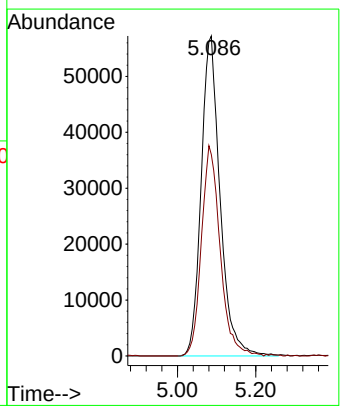


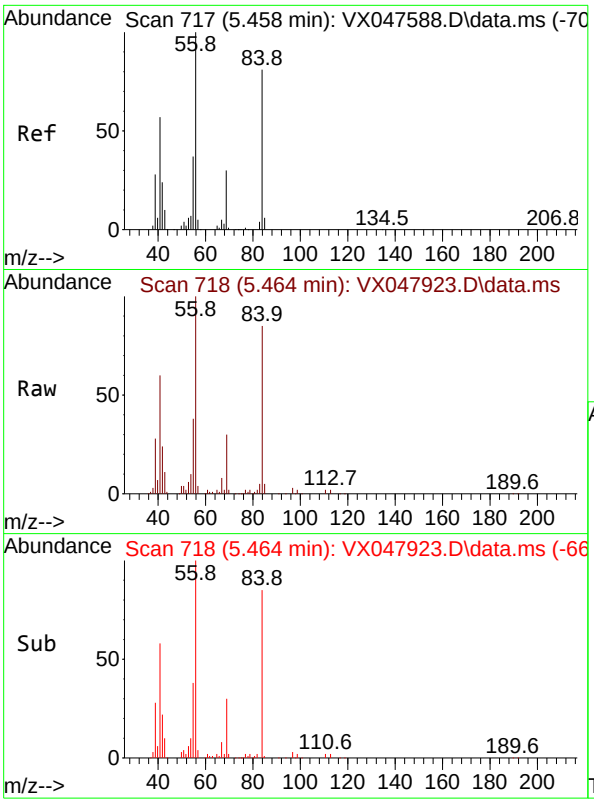


#30
Chloroform
Concen: 56.689 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 83 Resp: 191739

Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.8	77.6

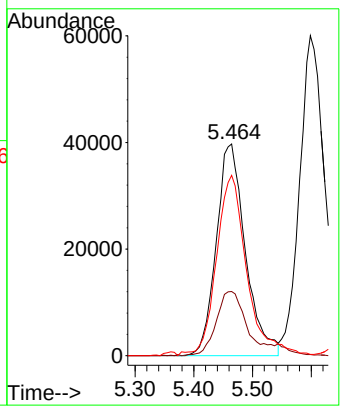




#31
Cyclohexane
Concen: 49.011 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 56 Resp: 13662

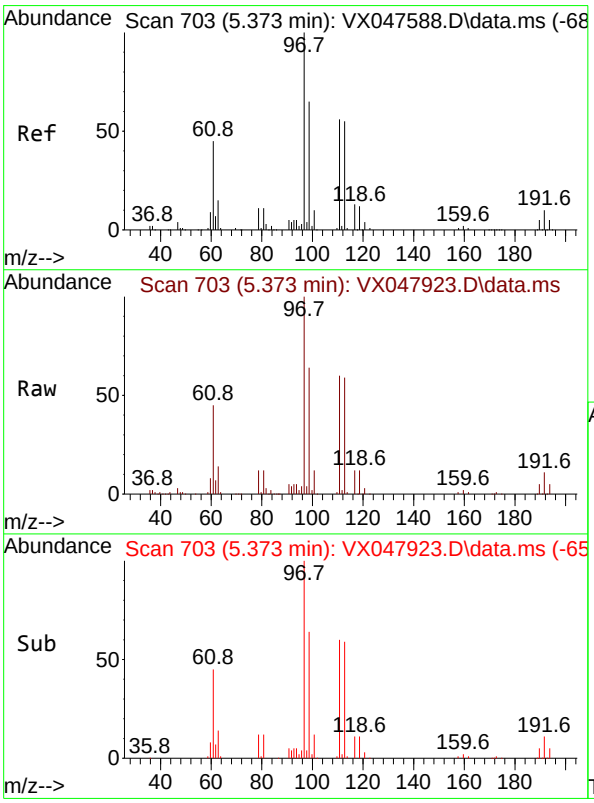
Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.8	35.8
84	85.0	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

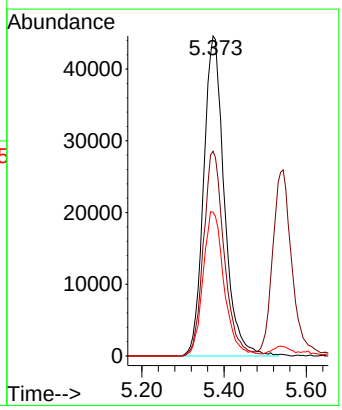
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

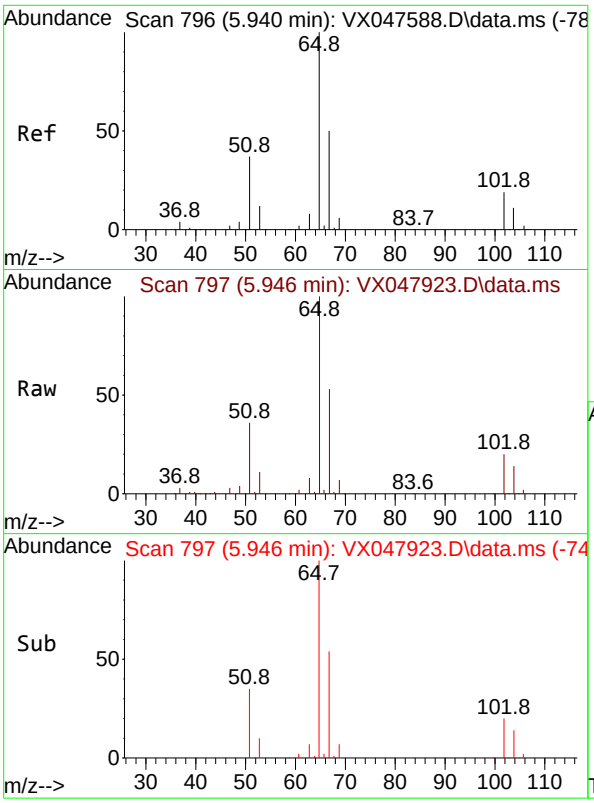


#32
1,1,1-Trichloroethane
Concen: 54.189 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 97 Resp: 155464

Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.6	76.0
61	46.0	35.8	53.8

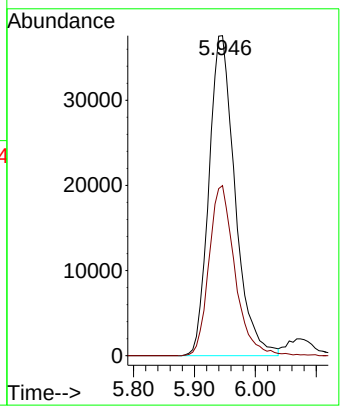




#33
1,2-Dichloroethane-d4
Concen: 53.045 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 65 Resp: 11190

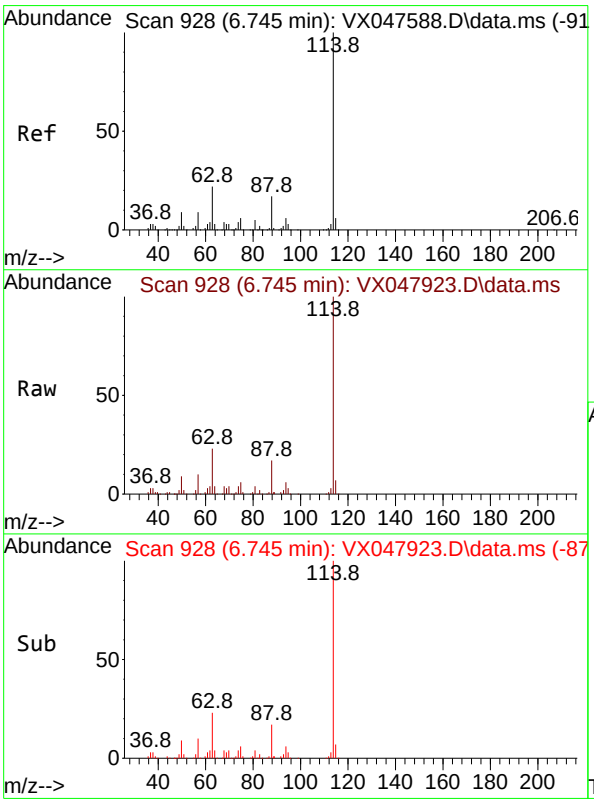
Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

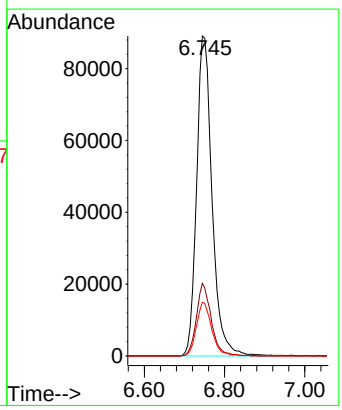
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

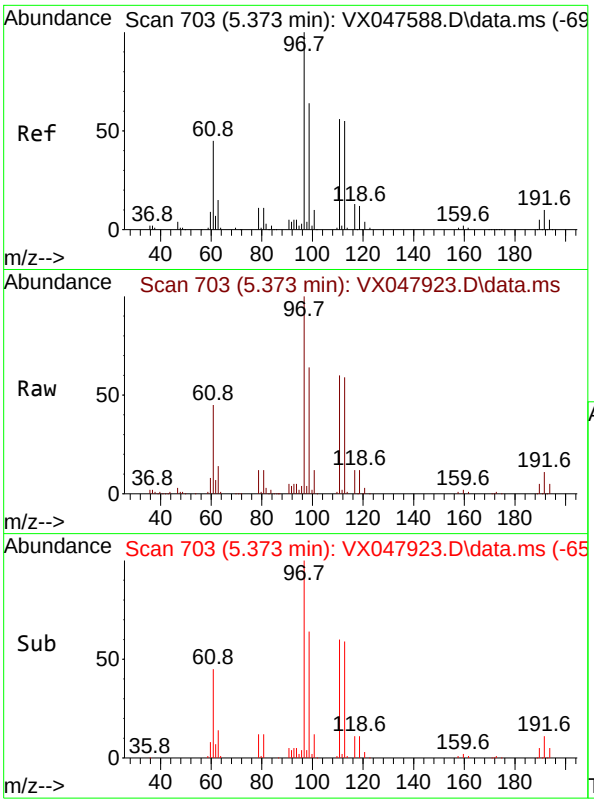


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:114 Resp: 238365

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	44.0
88	16.8	0.0	34.2

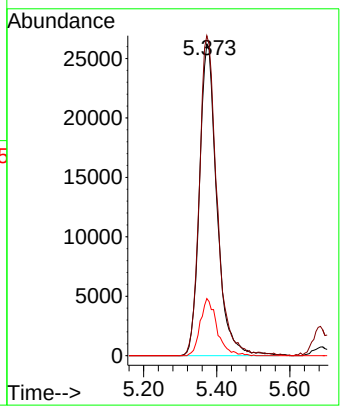




#35
Dibromofluoromethane
Concen: 54.153 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:113 Resp: 8657

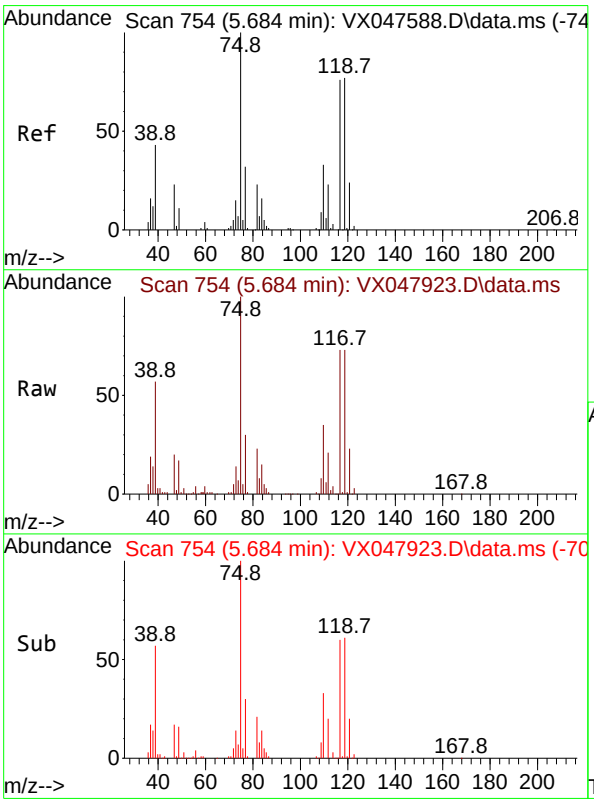
Ion	Ratio	Lower	Upper
113	100		
111	102.8	80.9	121.3
192	17.7	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

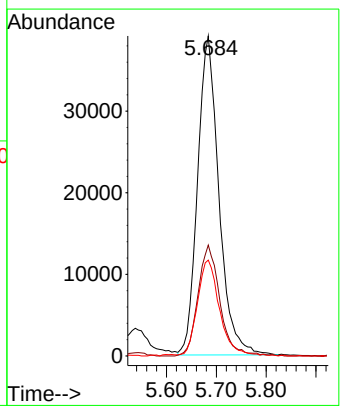
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

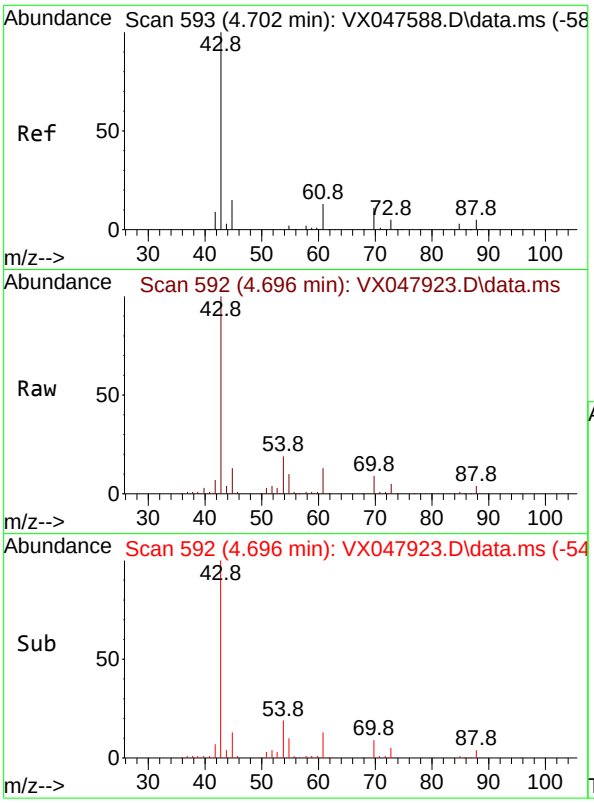


#36
1,1-Dichloropropene
Concen: 49.637 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 75 Resp: 115949

Ion	Ratio	Lower	Upper
75	100		
110	35.7	16.7	50.1
77	31.2	24.3	36.5





#37
Ethyl Acetate
Concen: 54.746 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

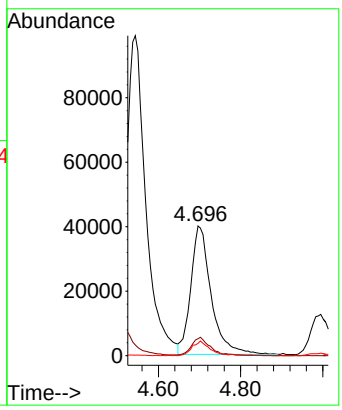
Tgt Ion: 43 Resp: 13692

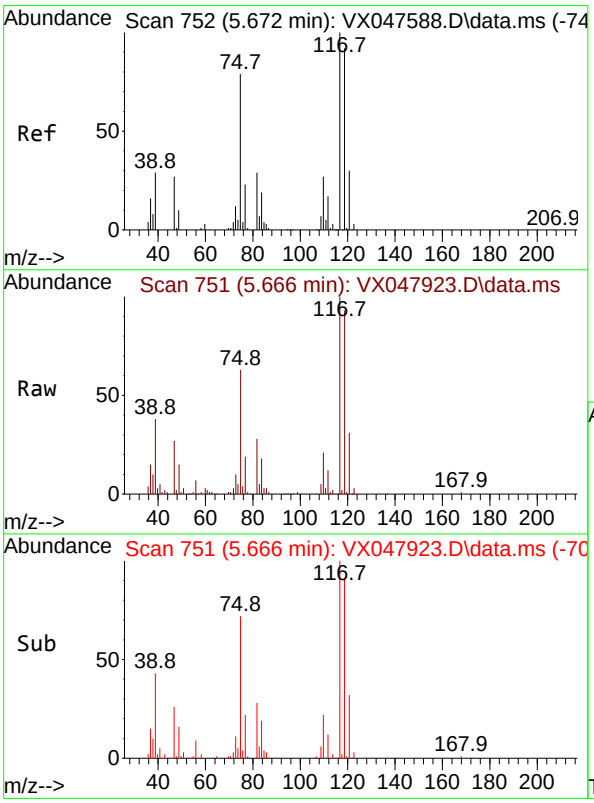
Ion	Ratio	Lower	Upper
43	100		
61	12.4	9.8	14.8
70	10.1	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

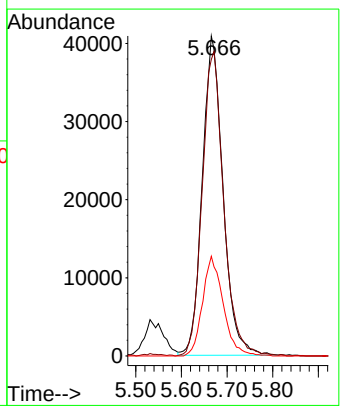


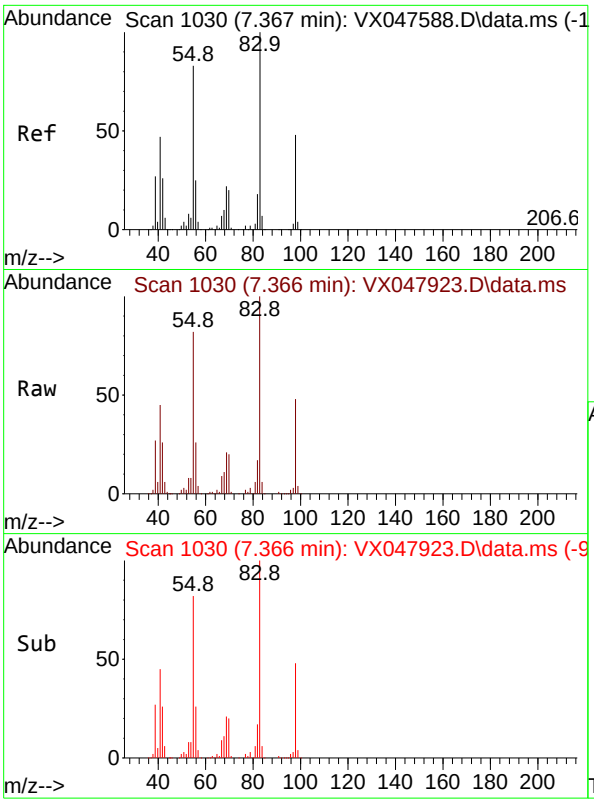


#38
Carbon Tetrachloride
Concen: 50.785 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:117 Resp: 128895

Ion	Ratio	Lower	Upper
117	100		
119	92.7	73.4	110.2
121	31.2	23.8	35.6





#39
Methylcyclohexane
Concen: 47.806 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

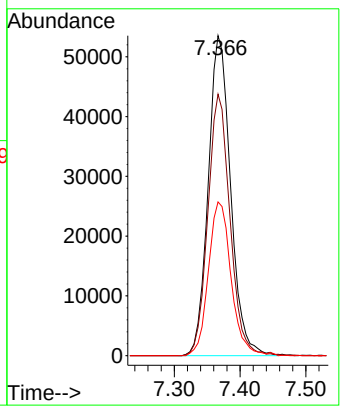
Tgt Ion: 83 Resp: 12676

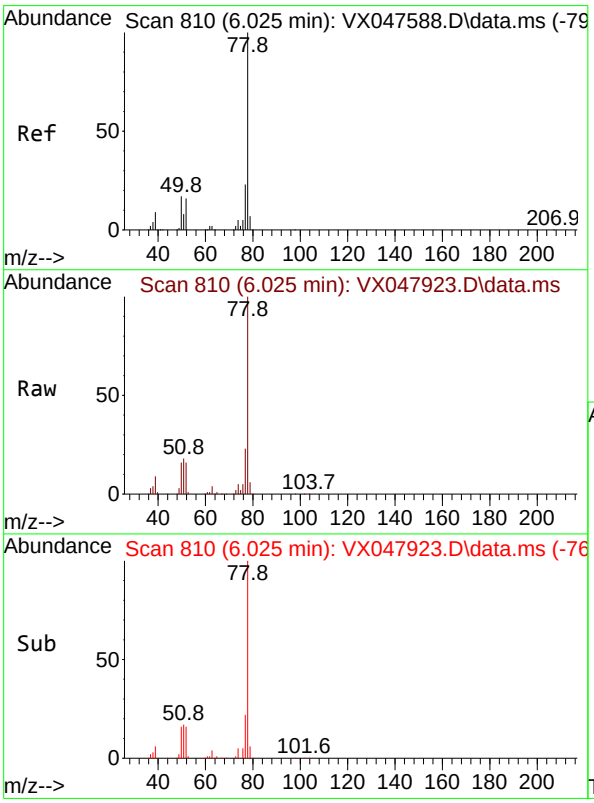
Ion	Ratio	Lower	Upper
83	100		
55	81.7	66.4	99.6
98	48.0	38.1	57.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

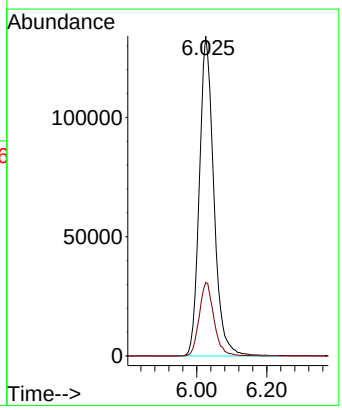


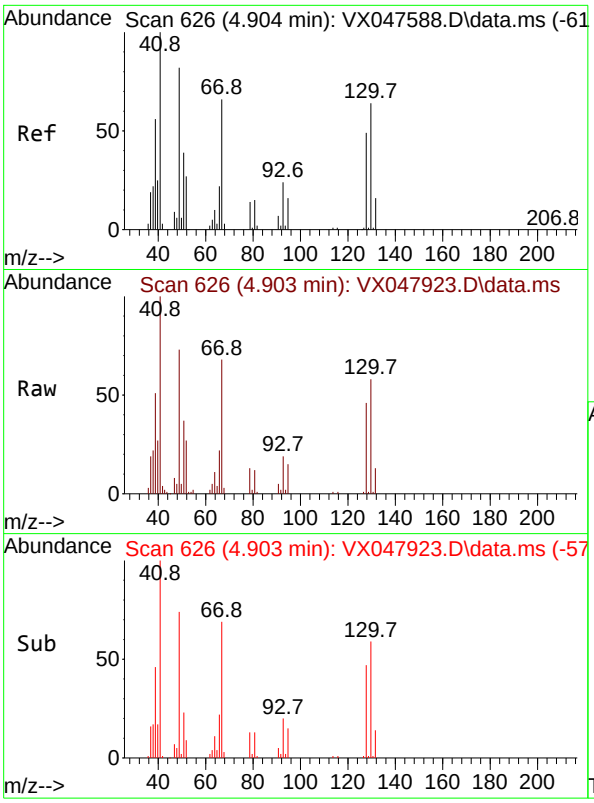


#40
Benzene
Concen: 54.213 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 78 Resp: 384636

Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.8	28.2

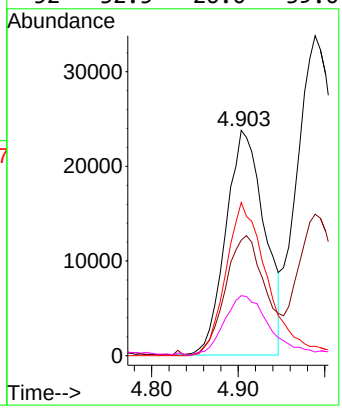




#41
Methacrylonitrile
Concen: 57.078 ug/l
RT: 4.903 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 41 Resp: 7370

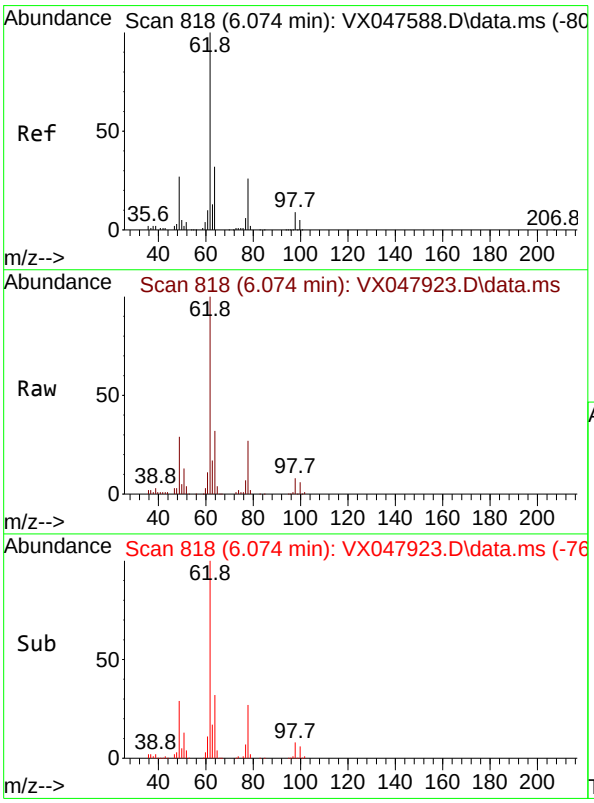
Ion	Ratio	Lower	Upper
41	100		
39	55.3	43.3	64.9
67	74.9	58.6	87.8
52	32.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

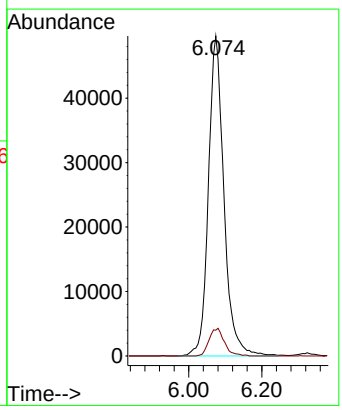
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

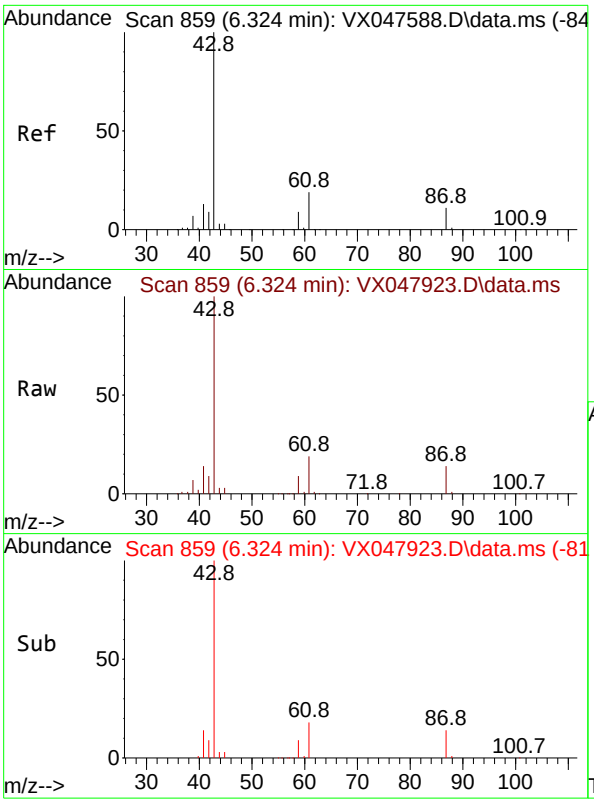


#42
1,2-Dichloroethane
Concen: 54.079 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 62 Resp: 145986

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0

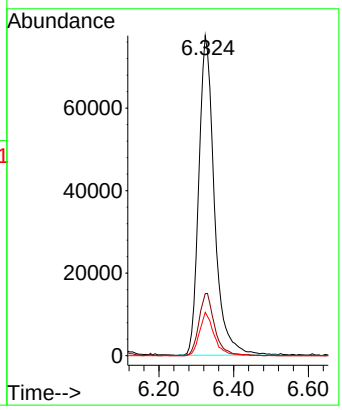




#43
Isopropyl Acetate
Concen: 54.708 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 43 Resp: 22441

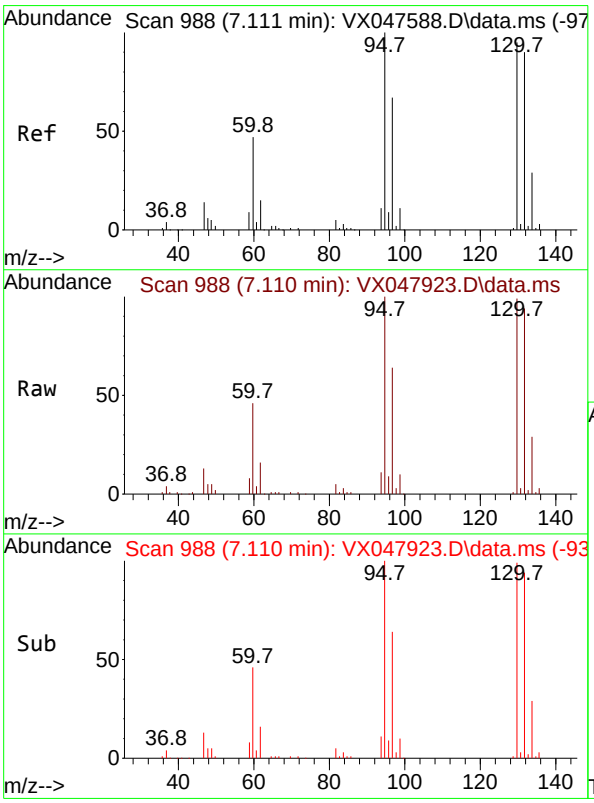
Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.2	22.8
87	12.7	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

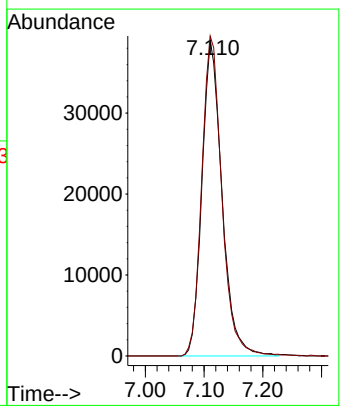
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

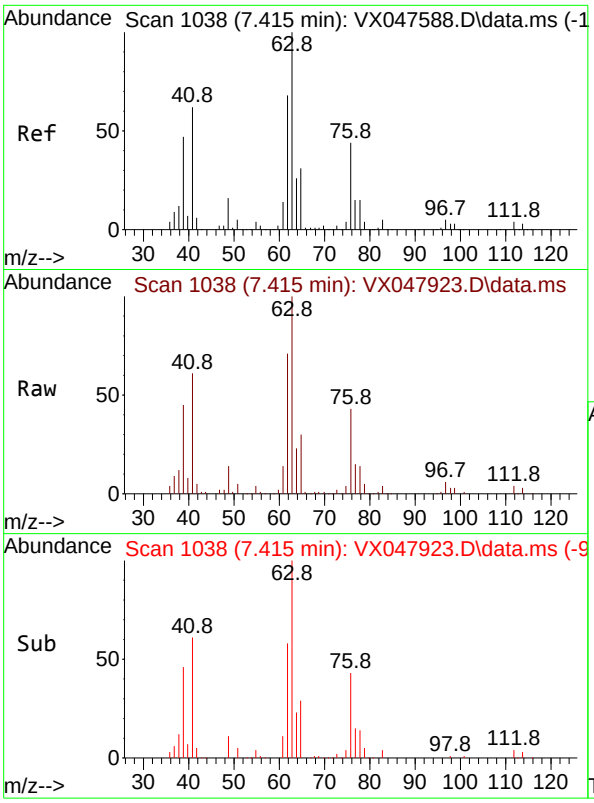


#44
Trichloroethene
Concen: 53.847 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:130 Resp: 92363

Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	210.8





#45
1,2-Dichloropropane
Concen: 56.471 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

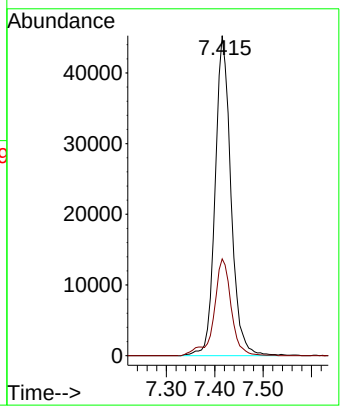
Tgt Ion: 63 Resp: 10259

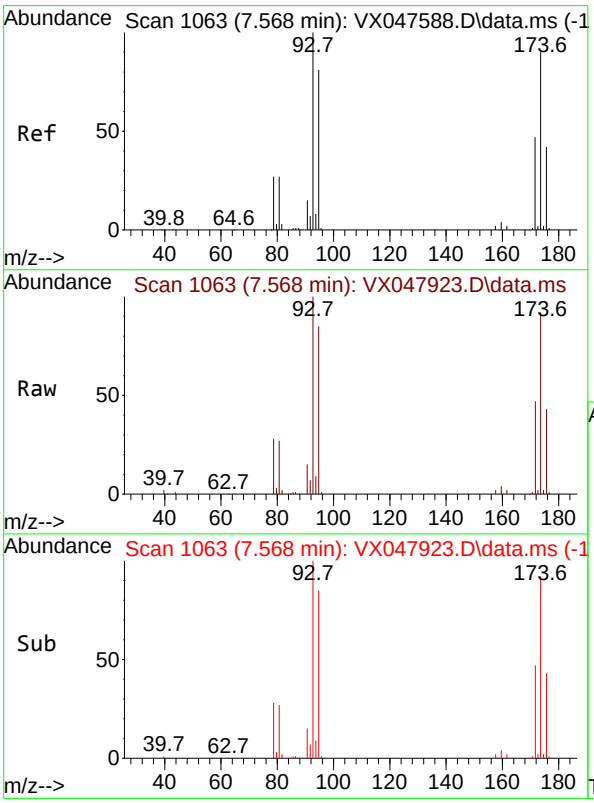
Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

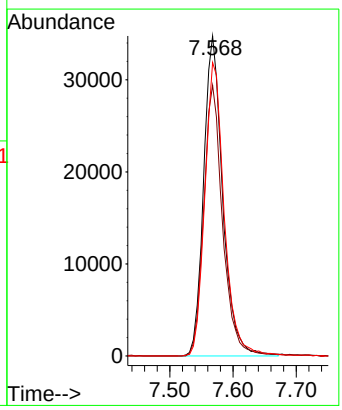


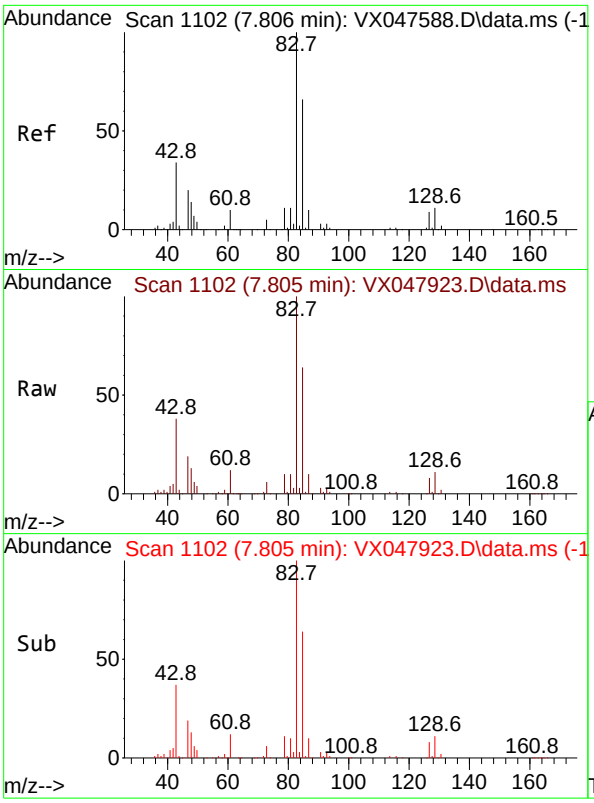


#46
Dibromomethane
Concen: 55.099 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 93 Resp: 72842

Ion	Ratio	Lower	Upper
93	100		
95	84.3	65.0	97.6
174	93.5	71.6	107.4

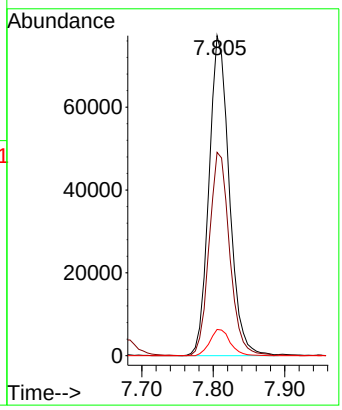




#47
Bromodichloromethane
Concen: 55.883 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 83 Resp: 15245

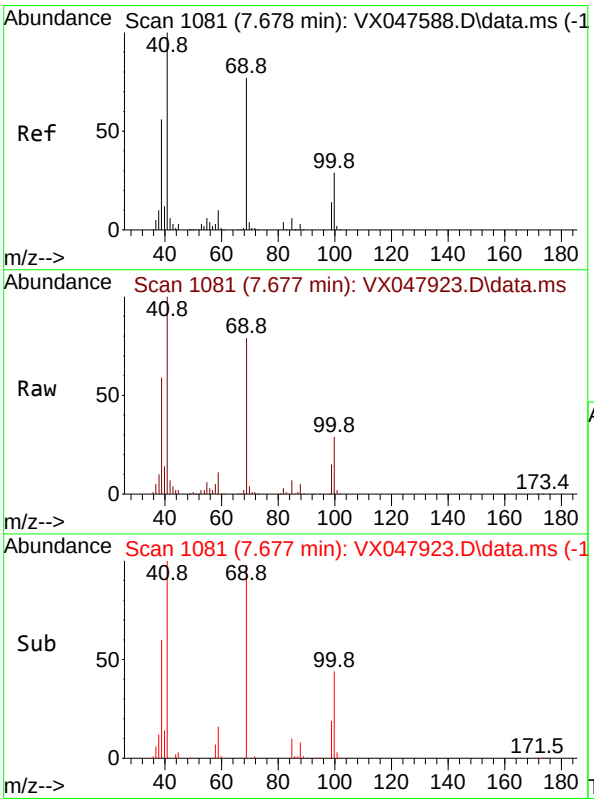
Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.5	78.7
127	8.2	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

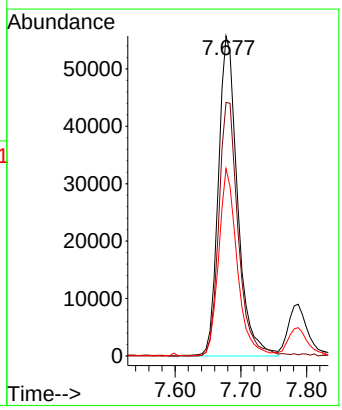
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

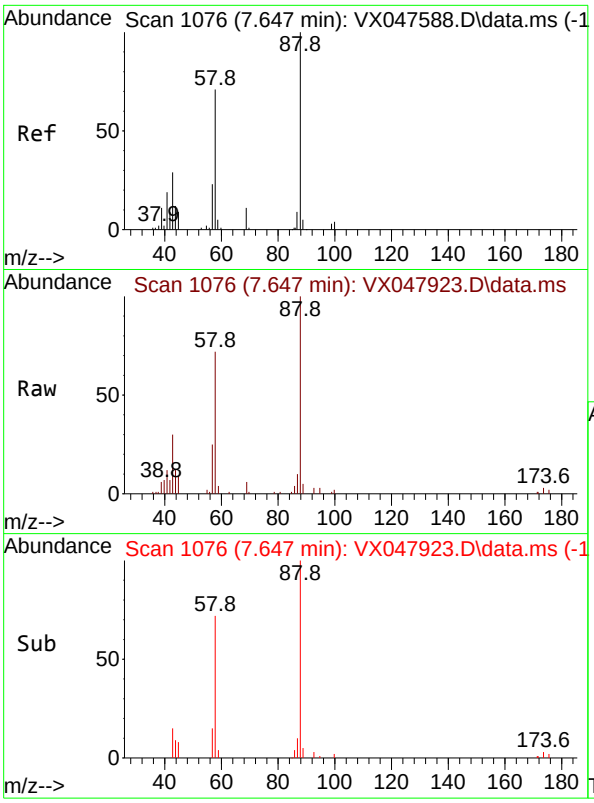


#48
Methyl methacrylate
Concen: 55.472 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 41 Resp: 113343

Ion	Ratio	Lower	Upper
41	100		
69	80.0	61.4	92.2
39	56.3	45.8	68.6

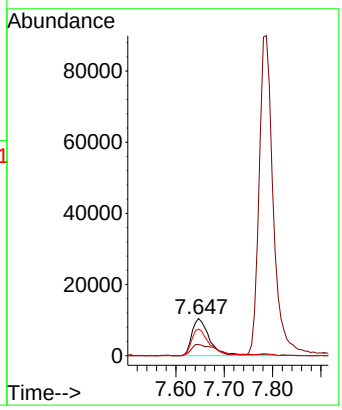




#49
1,4-Dioxane
Concen: 1305.423 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 88 Resp: 2695

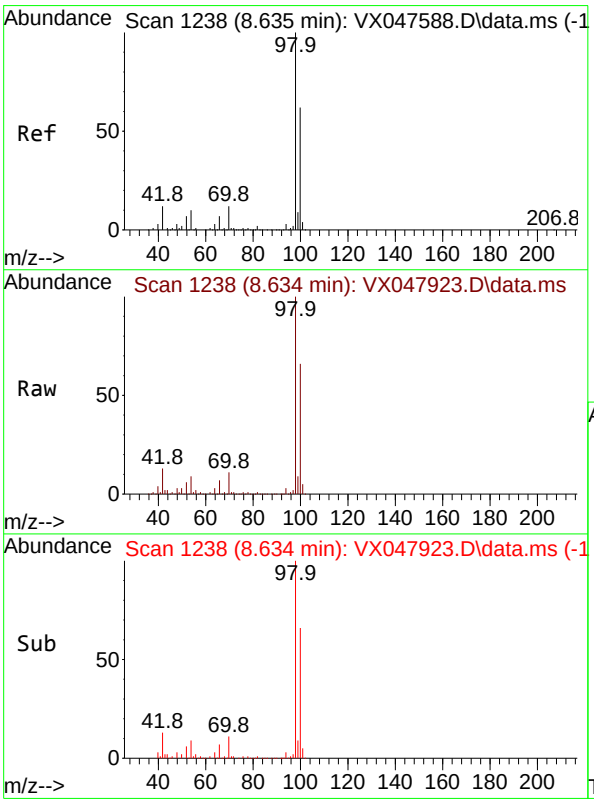
Ion	Ratio	Lower	Upper
88	100		
43	38.9	30.2	45.2
58	71.8	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

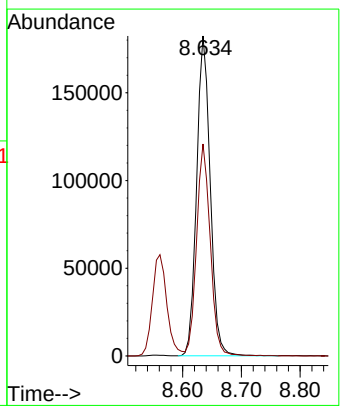
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

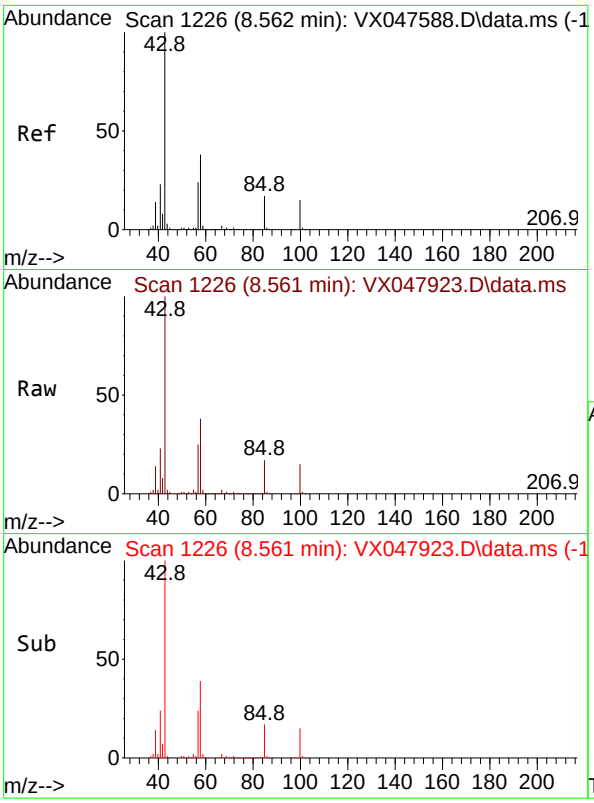


#50
Toluene-d8
Concen: 53.040 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 98 Resp: 293390

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.0	79.4

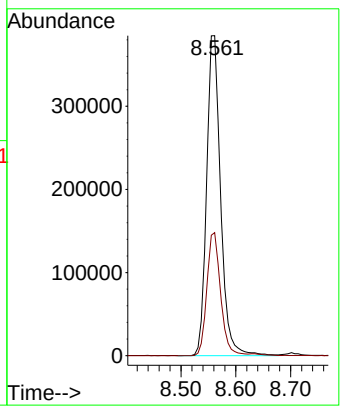




#51
4-Methyl-2-Pentanone
Concen: 298.935 ug/l
RT: 8.561 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 43 Resp: 67987

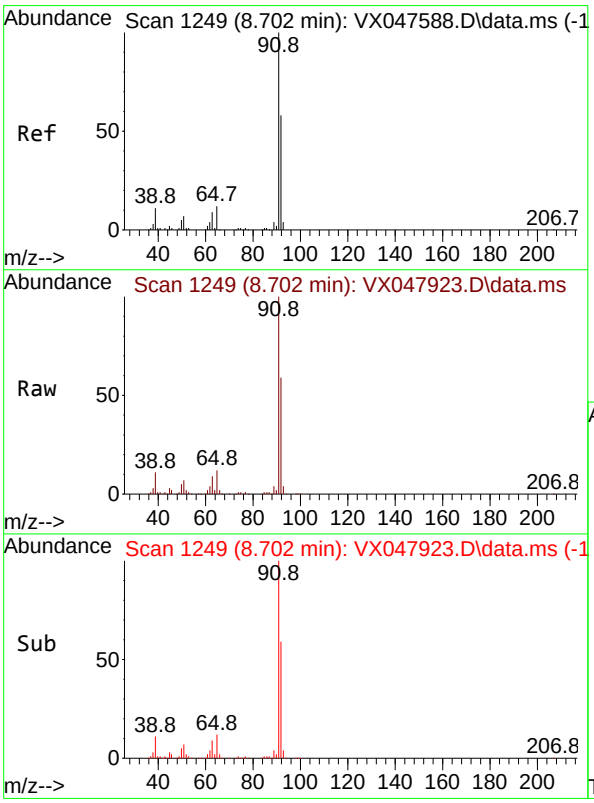
Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

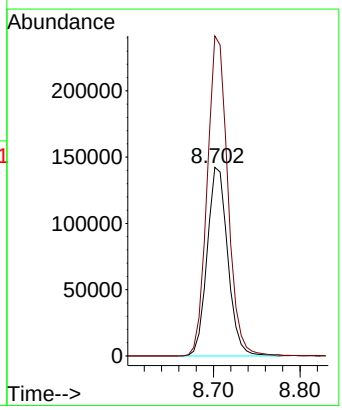
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

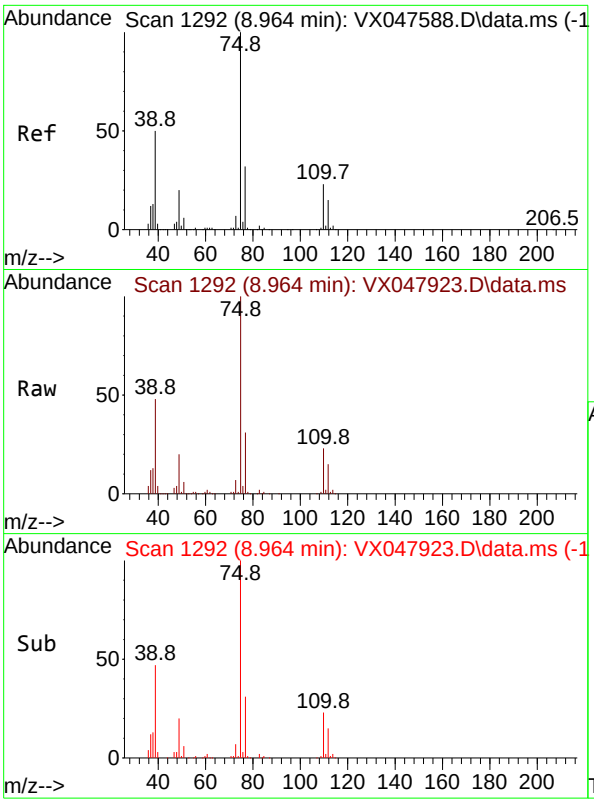


#52
Toluene
Concen: 53.729 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 92 Resp: 234858

Ion	Ratio	Lower	Upper
92	100		
91	170.0	137.1	205.7

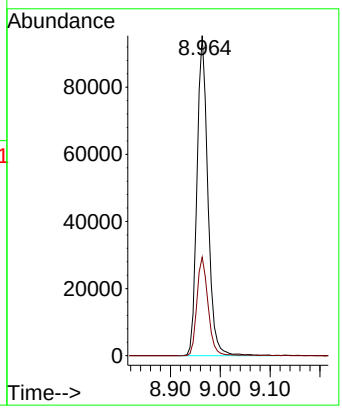




#53
t-1,3-Dichloropropene
Concen: 52.010 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 75 Resp: 14472

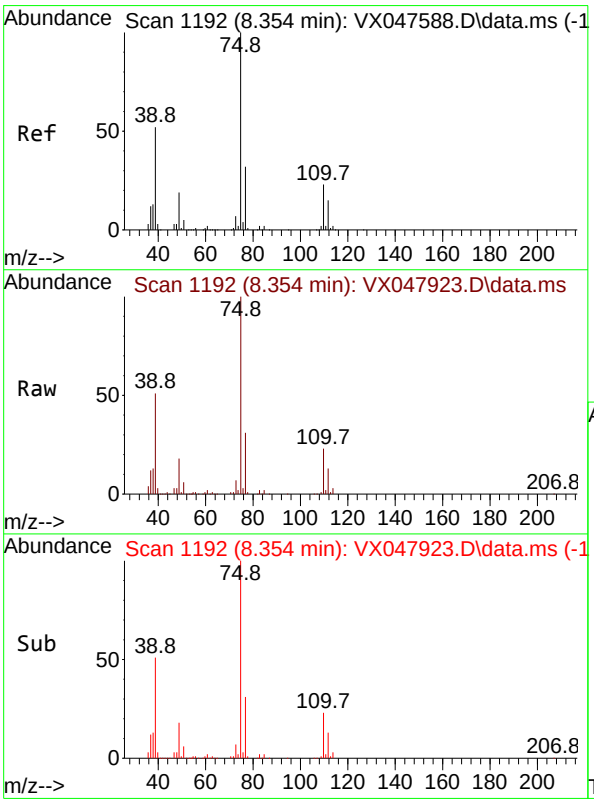
Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

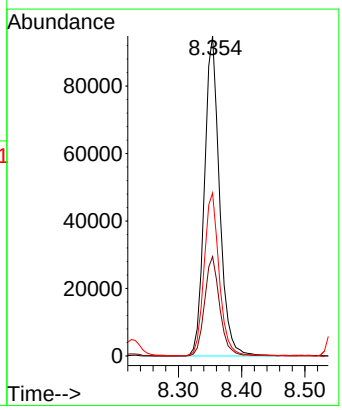
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

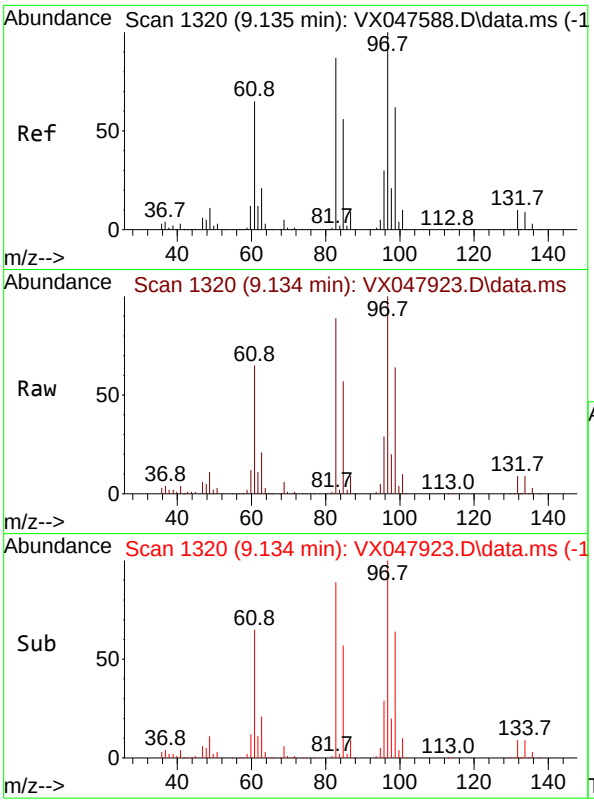


#54
cis-1,3-Dichloropropene
Concen: 52.943 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 75 Resp: 157465

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.8	38.6
39	50.8	41.4	62.2

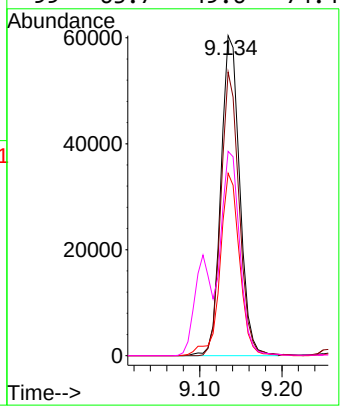




#55
1,1,2-Trichloroethane
Concen: 56.947 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 97 Resp: 9598

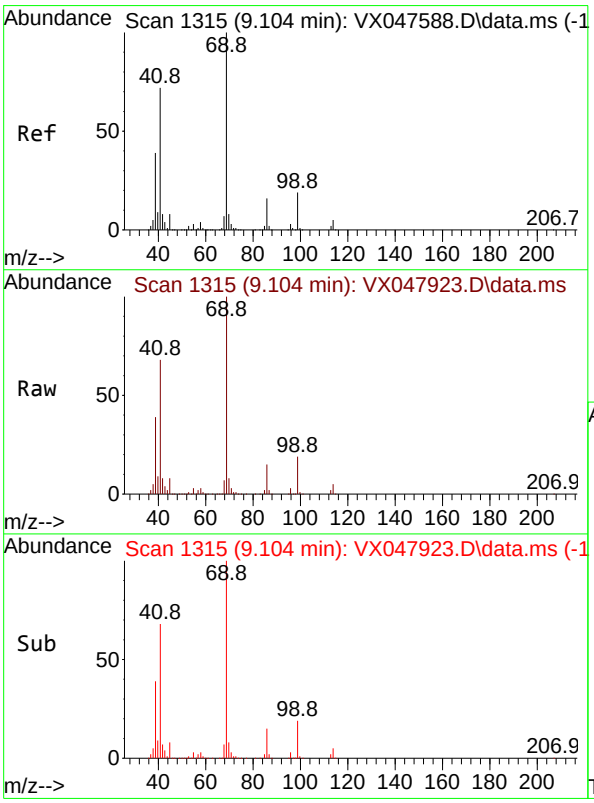
Ion	Ratio	Lower	Upper
97	100		
83	88.7	69.6	104.4
85	57.0	45.0	67.6
99	63.7	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

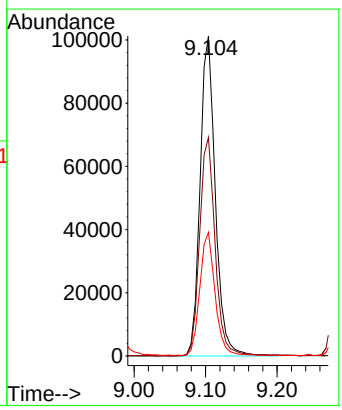
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

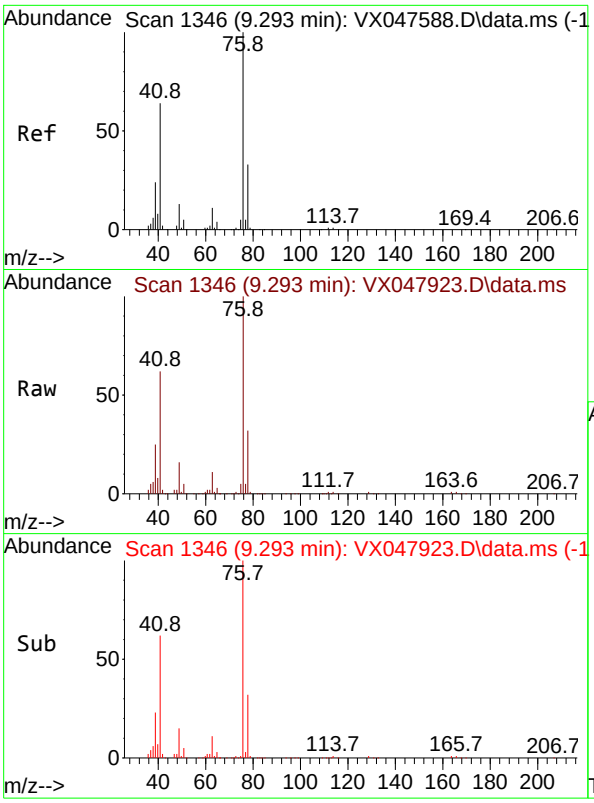


#56
Ethyl methacrylate
Concen: 56.599 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 69 Resp: 149817

Ion	Ratio	Lower	Upper
69	100		
41	69.7	58.6	87.8
39	38.5	31.5	47.3





#57
1,3-Dichloropropane
Concen: 56.837 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

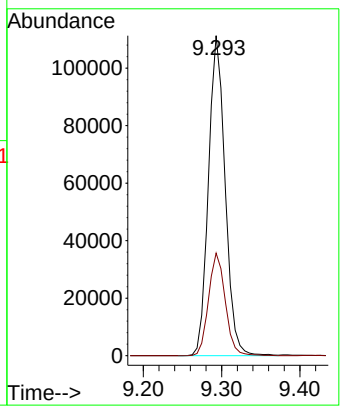
Tgt Ion: 76 Resp: 16456

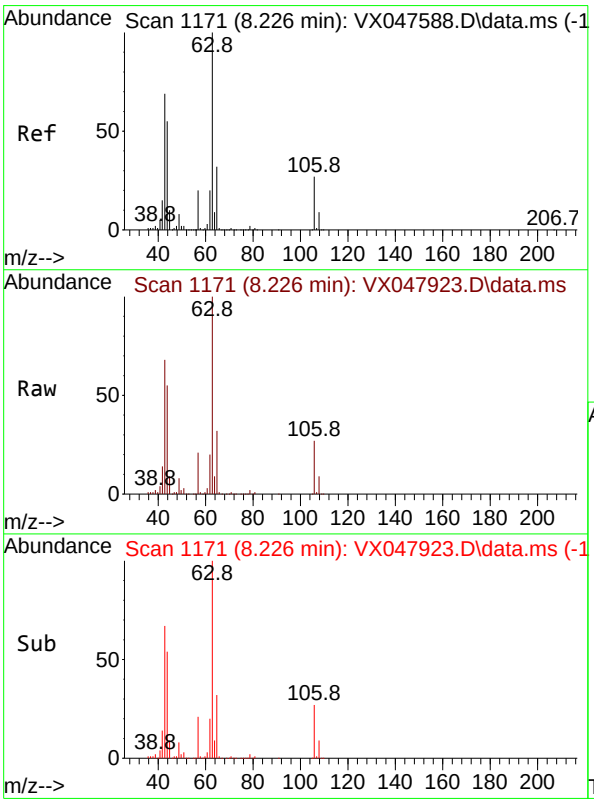
Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.2	39.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

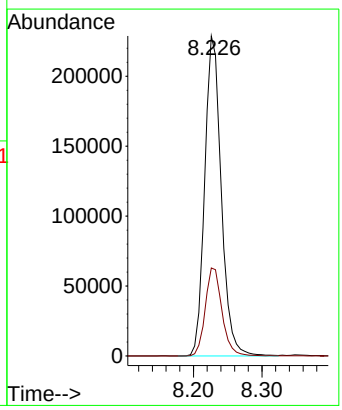


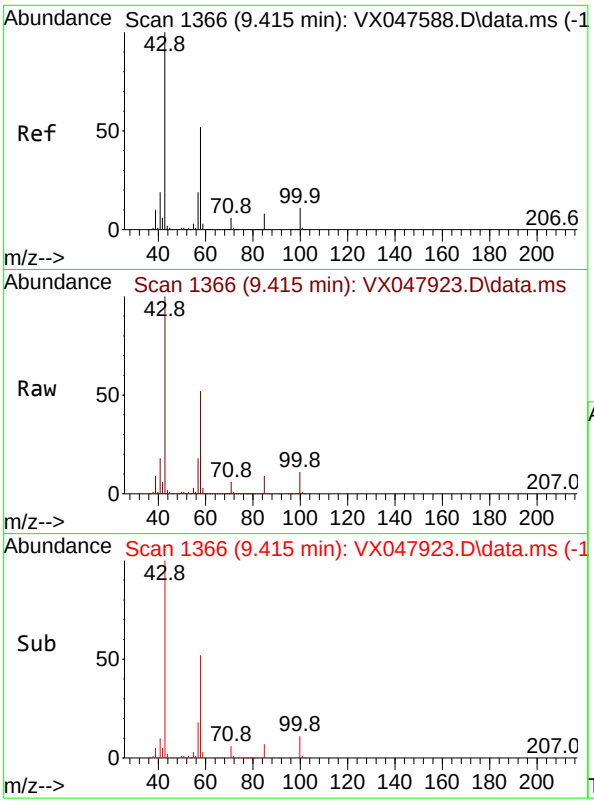


#58
2-Chloroethyl Vinyl ether
Concen: 300.103 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 63 Resp: 384496

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.9	32.9





#59
2-Hexanone
Concen: 287.896 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

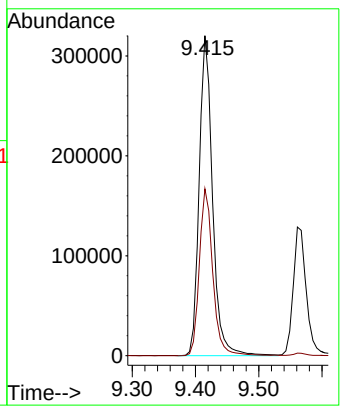
Tgt Ion: 43 Resp: 47025

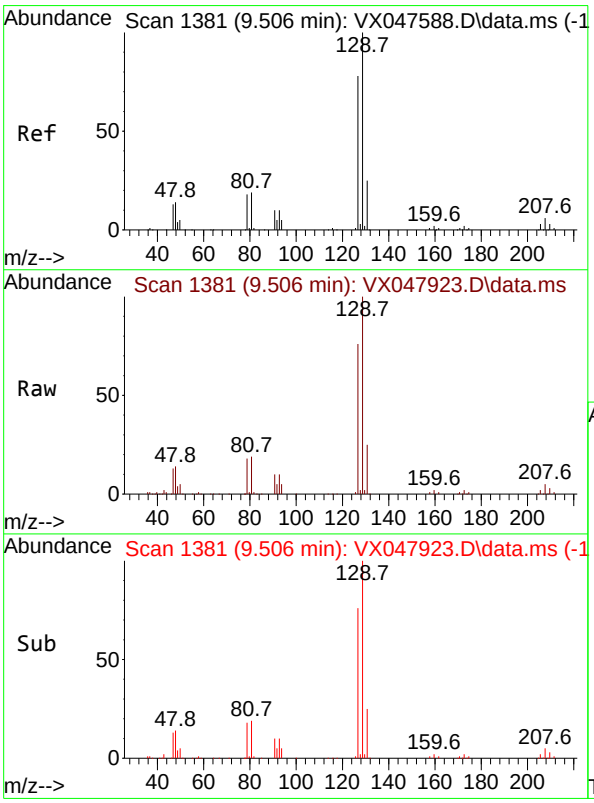
Ion	Ratio	Lower	Upper
43	100		
58	52.8	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

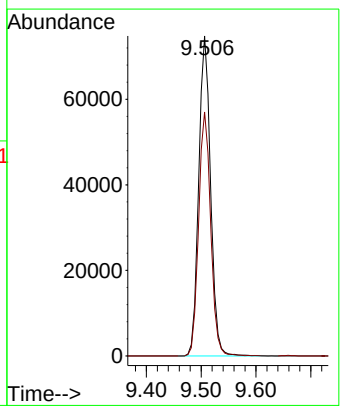


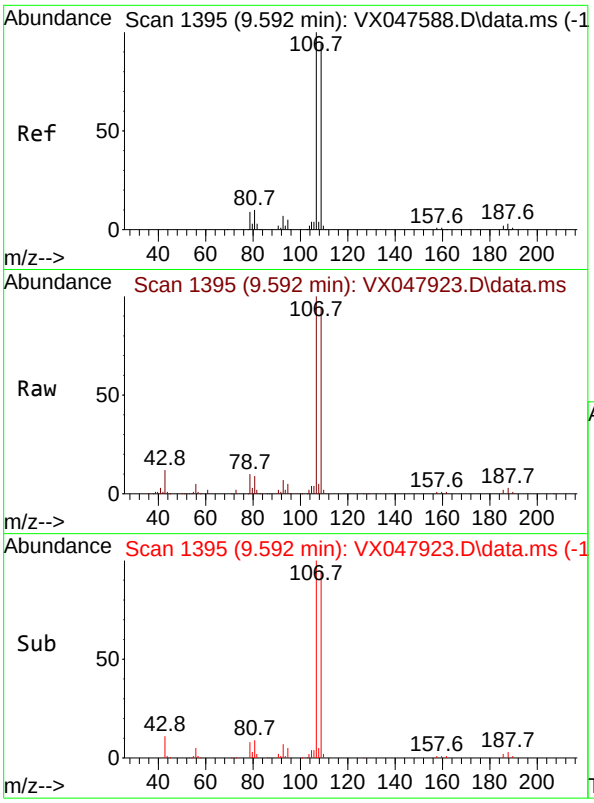


#60
Dibromochloromethane
Concen: 57.958 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:129 Resp: 112557

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.4	115.2





#61
1,2-Dibromoethane
Concen: 58.588 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

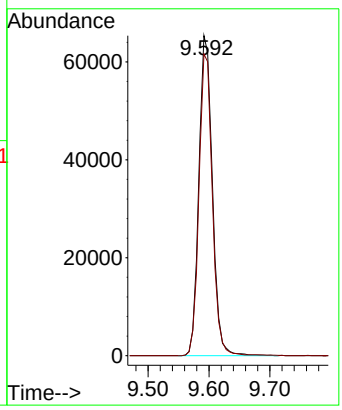
Tgt Ion:107 Resp: 10058

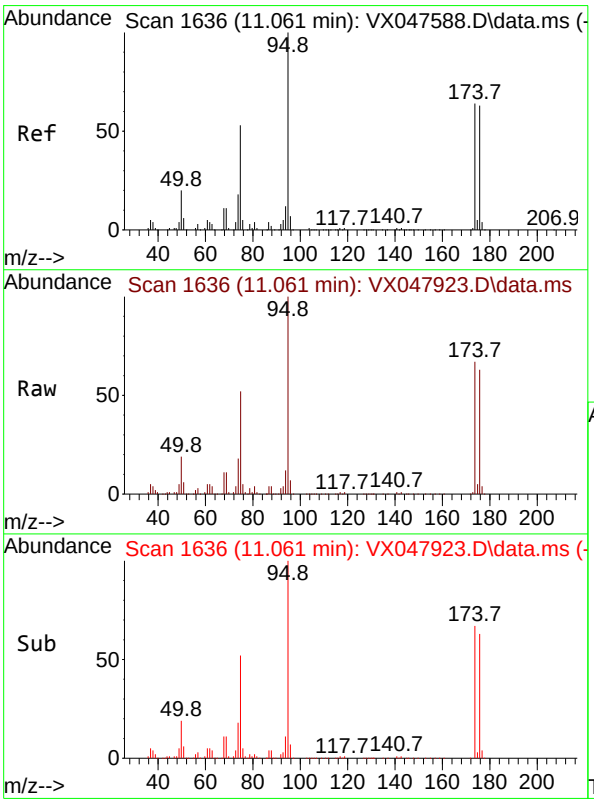
Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.3	112.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

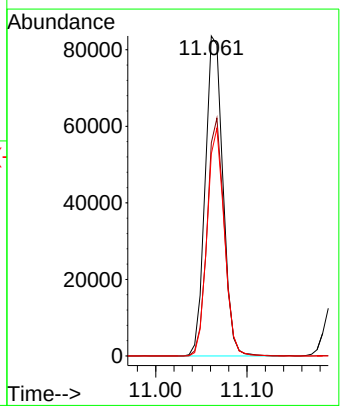


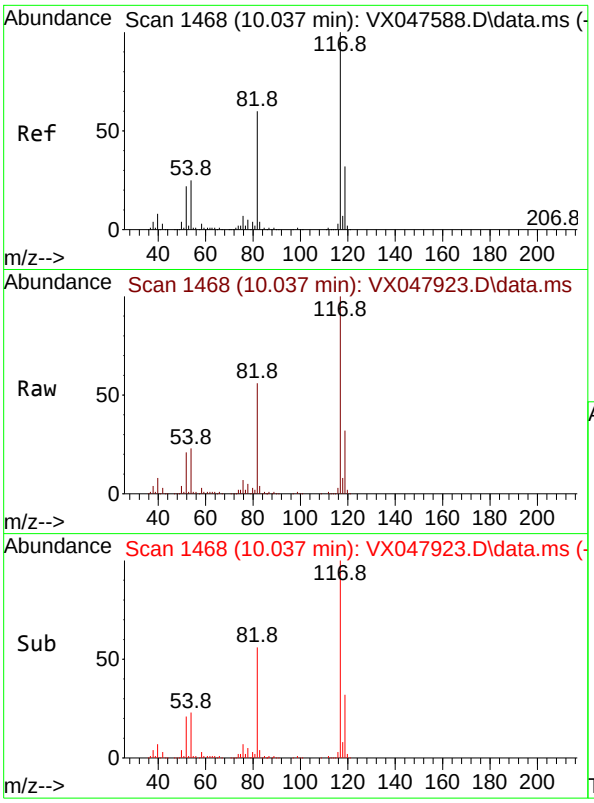


#62
4-Bromofluorobenzene
Concen: 53.472 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 95 Resp: 112253

Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	141.6
176	69.3	0.0	138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

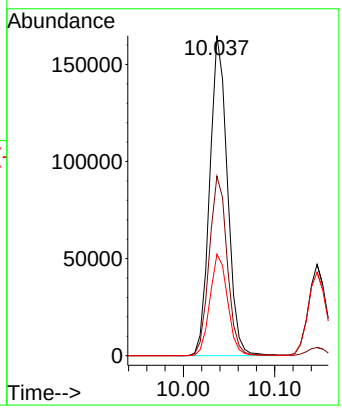
Tgt Ion:117 Resp: 22052

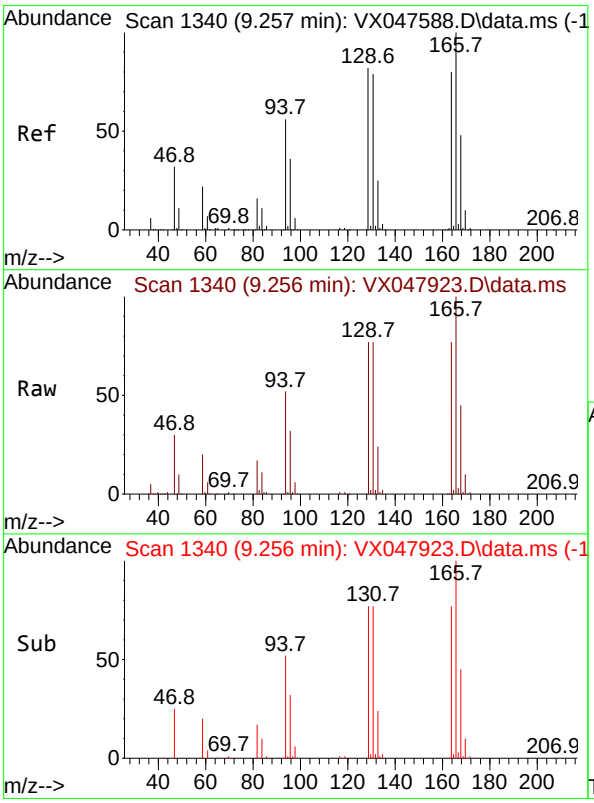
Ion	Ratio	Lower	Upper
117	100		
82	56.1	47.8	71.6
119	31.7	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

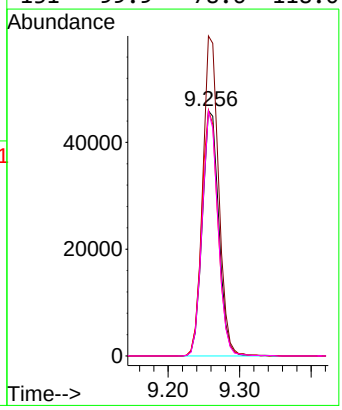


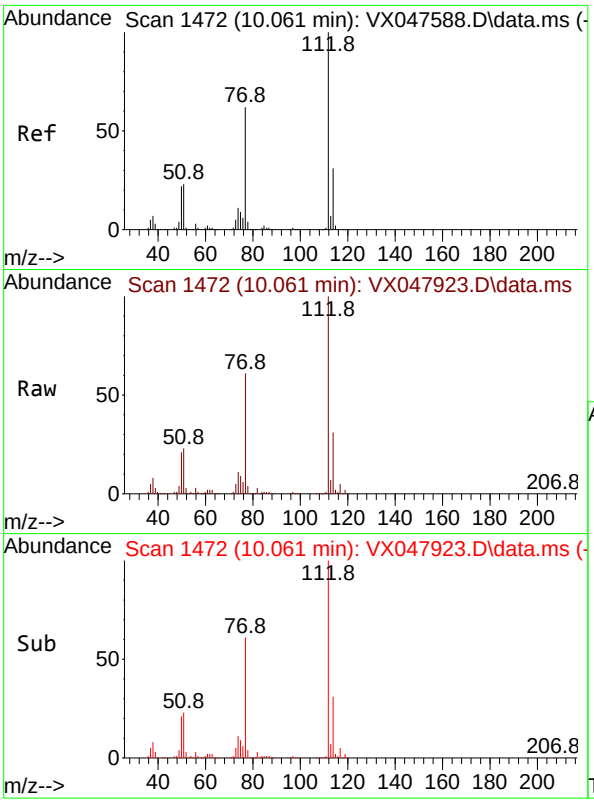


#64
Tetrachloroethene
Concen: 50.812 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:164 Resp: 73046

Ion	Ratio	Lower	Upper
164	100		
166	130.5	100.2	150.2
129	100.4	81.8	122.6
131	99.9	78.6	118.0





#65
Chlorobenzene
Concen: 51.854 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

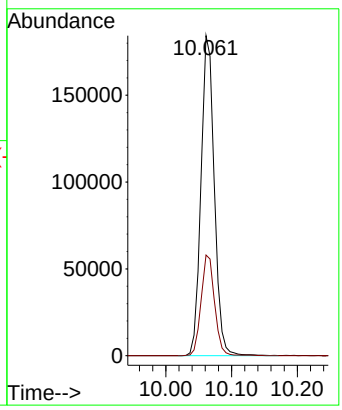
Tgt Ion:112 Resp: 25977

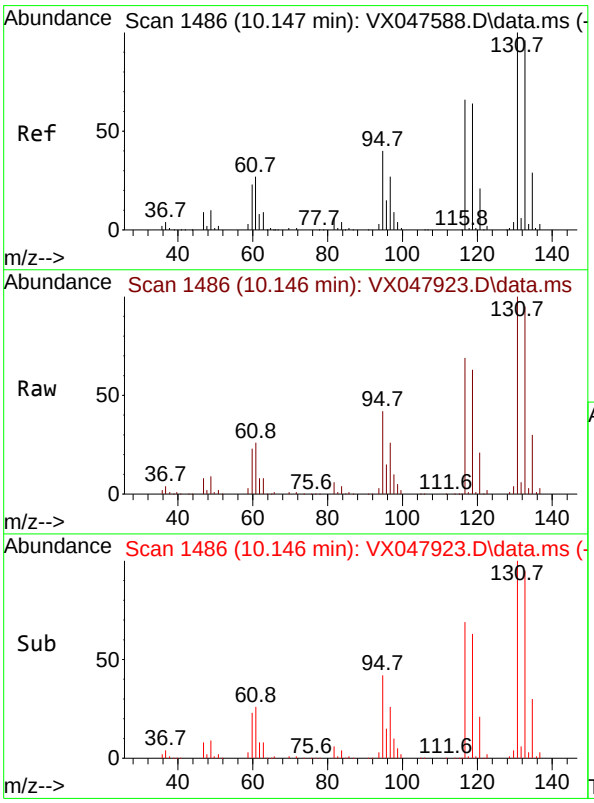
Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.1	37.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

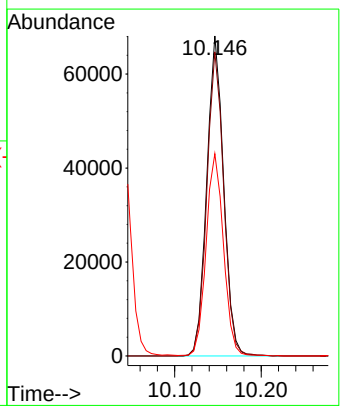


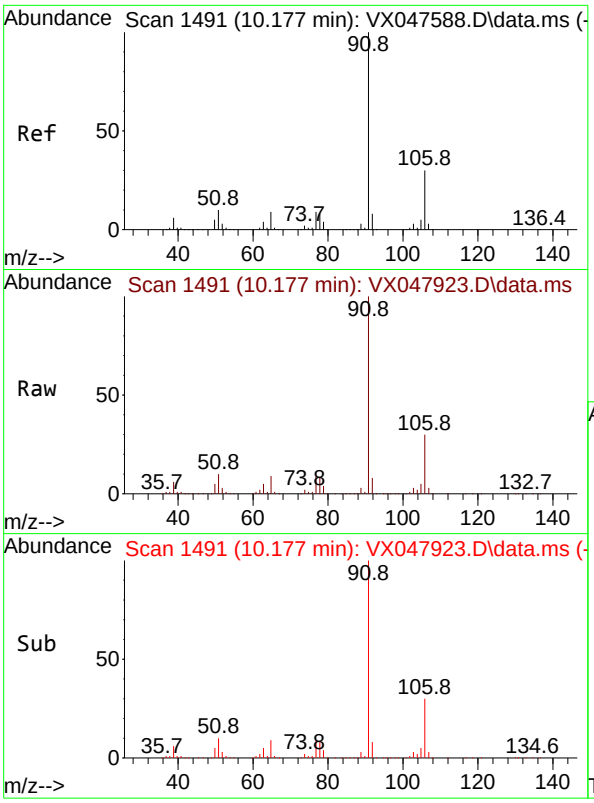


#66
1,1,1,2-Tetrachloroethane
Concen: 53.476 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:131 Resp: 92447

Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.3	142.0
119	65.1	32.0	96.0

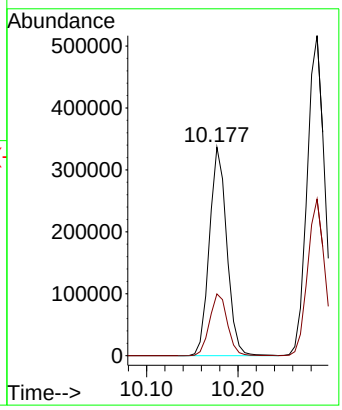




#67
Ethyl Benzene
Concen: 51.390 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 91 Resp: 44422

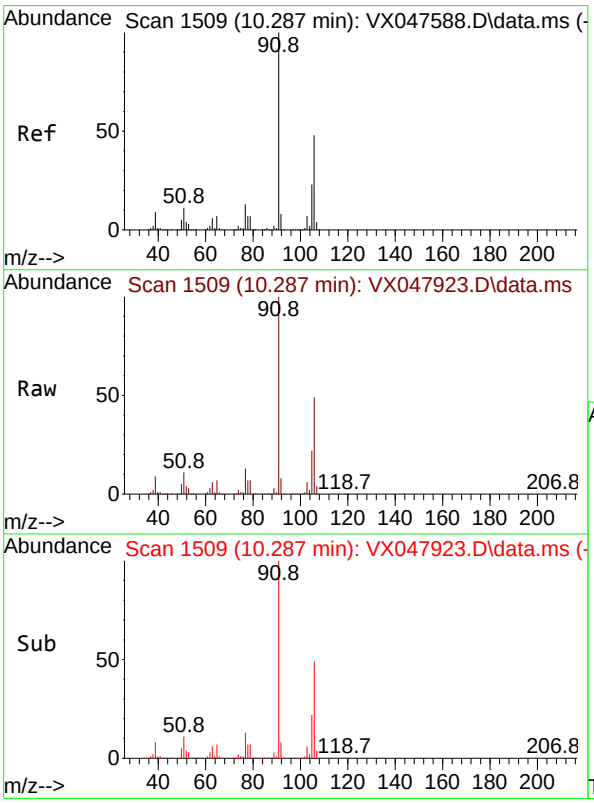
Ion	Ratio	Lower	Upper
91	100		
106	29.6	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

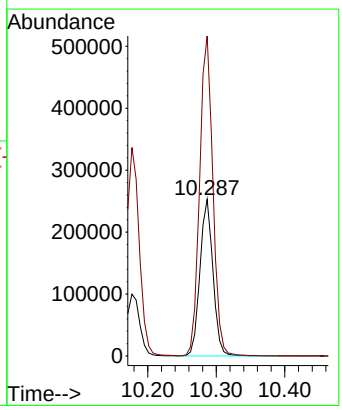
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

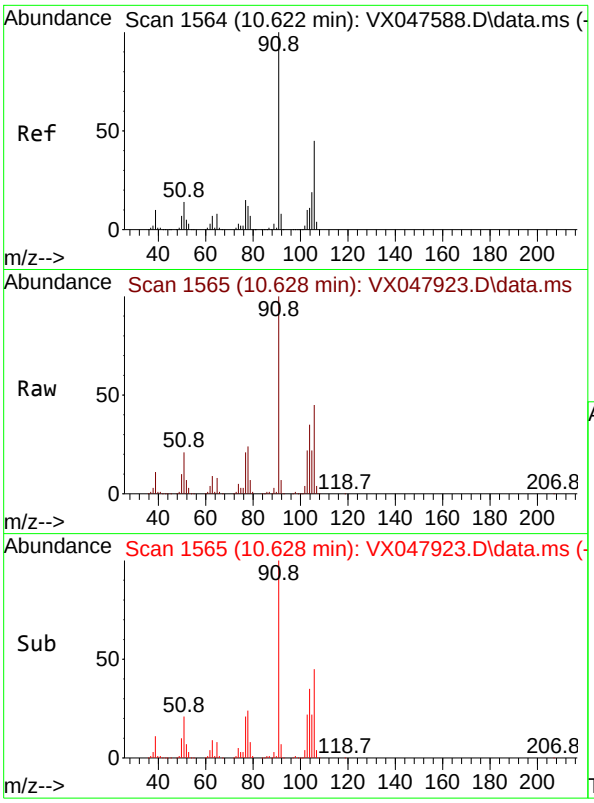


#68
m/p-Xylenes
Concen: 104.119 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:106 Resp: 334993

Ion	Ratio	Lower	Upper
106	100		
91	208.1	167.8	251.8

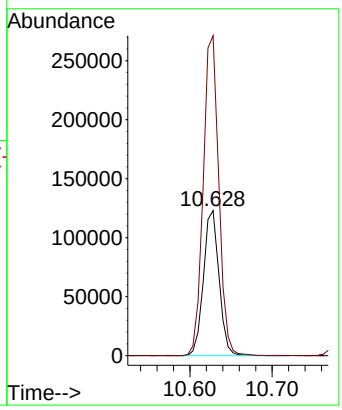




#69
o-Xylene
Concen: 52.032 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:106 Resp: 16192

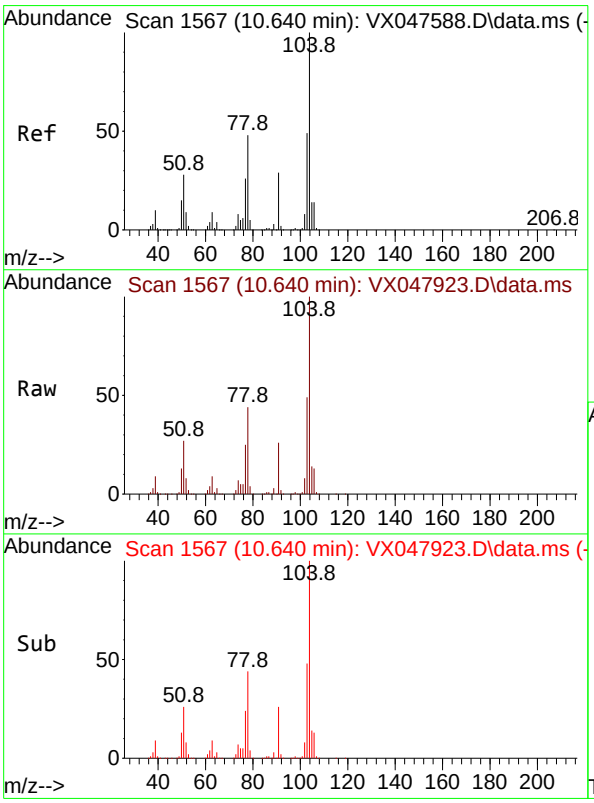
Ion	Ratio	Lower	Upper
106	100		
91	220.6	111.1	333.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

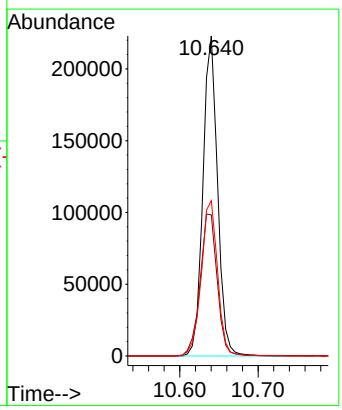
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

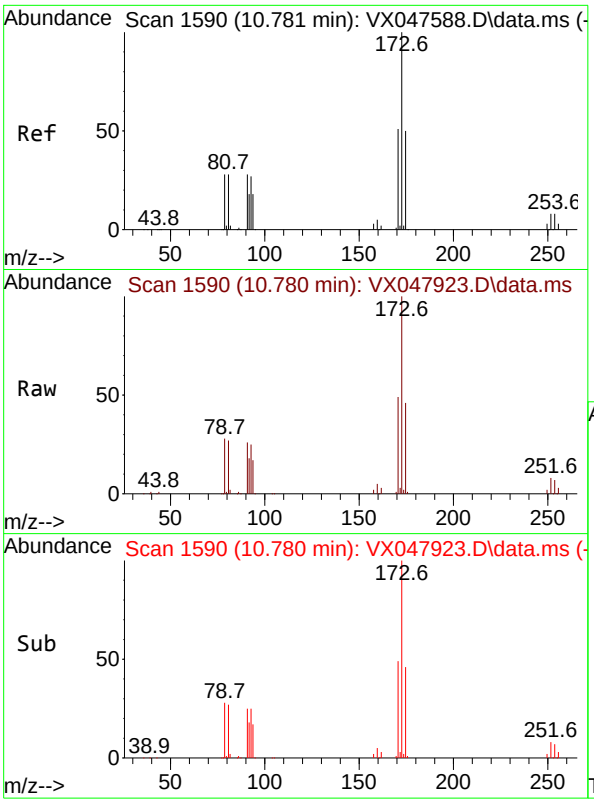


#70
Styrene
Concen: 53.035 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:104 Resp: 289190

Ion	Ratio	Lower	Upper
104	100		
78	51.8	43.1	64.7
103	54.1	43.1	64.7

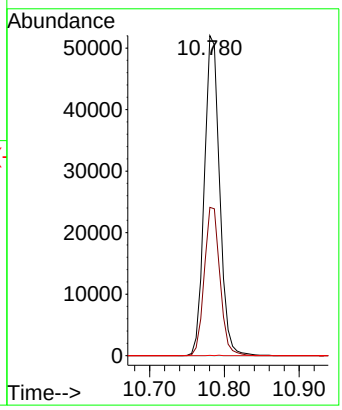




#71
Bromoform
Concen: 57.212 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:173 Resp: 7385

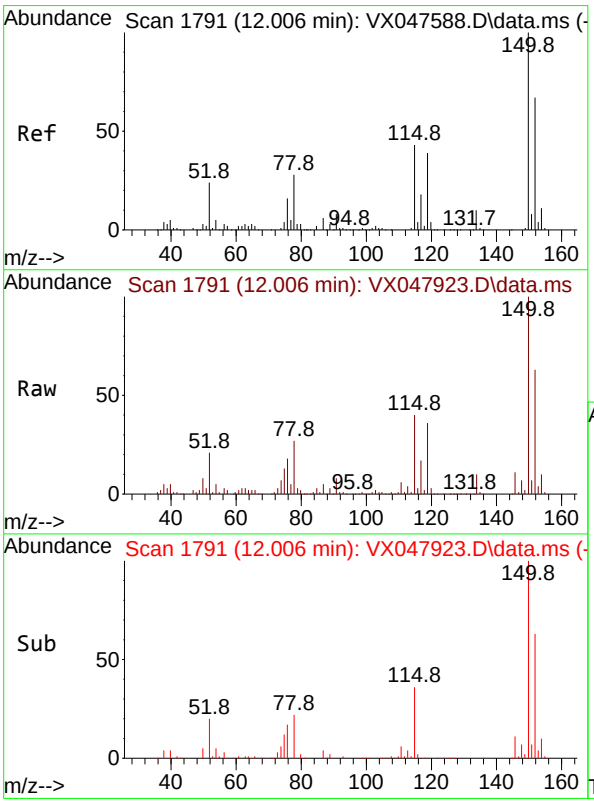
Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.9	74.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

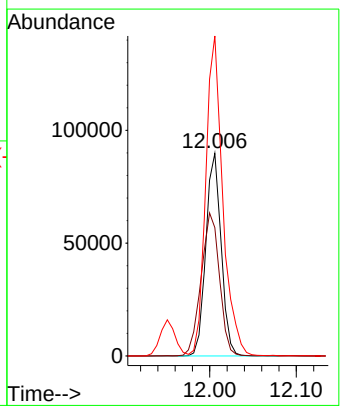
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

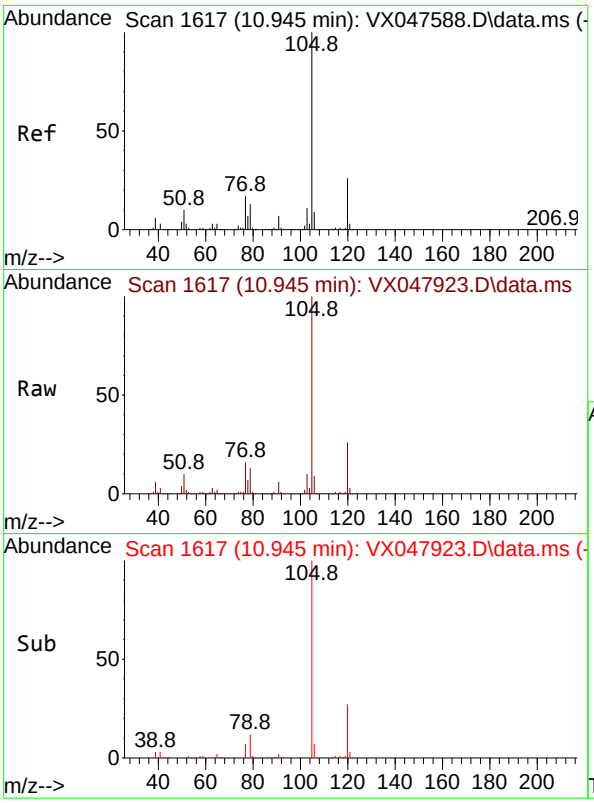


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:152 Resp: 110310

Ion	Ratio	Lower	Upper
152	100		
115	85.0	44.9	134.5
150	176.2	0.0	352.0





#73
Isopropylbenzene
Concen: 49.469 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

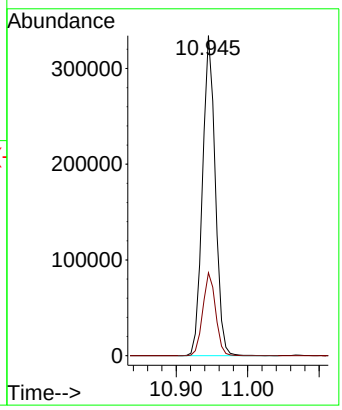
Tgt Ion:105 Resp: 41487

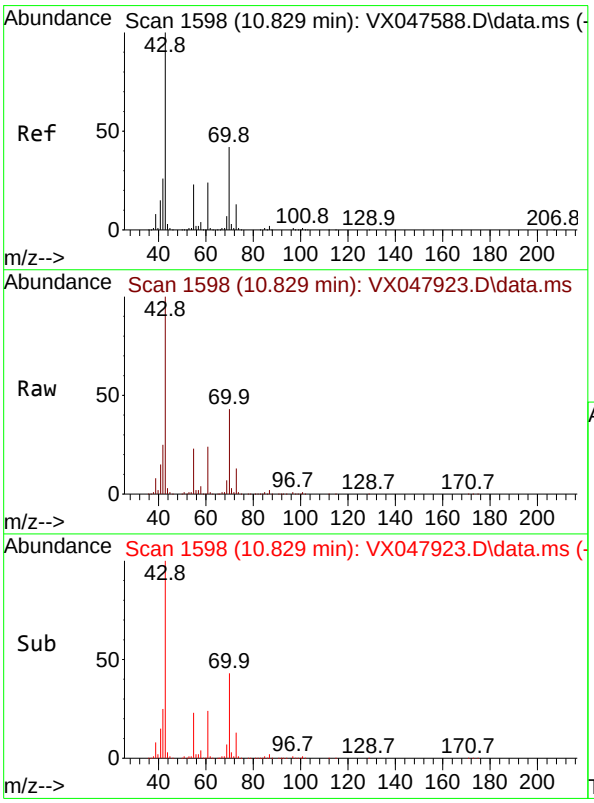
Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

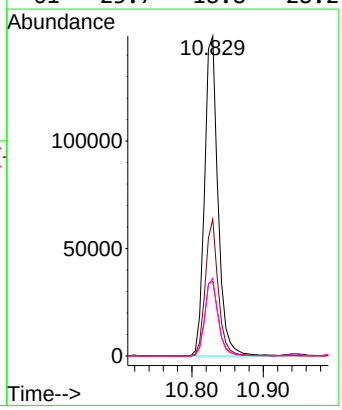


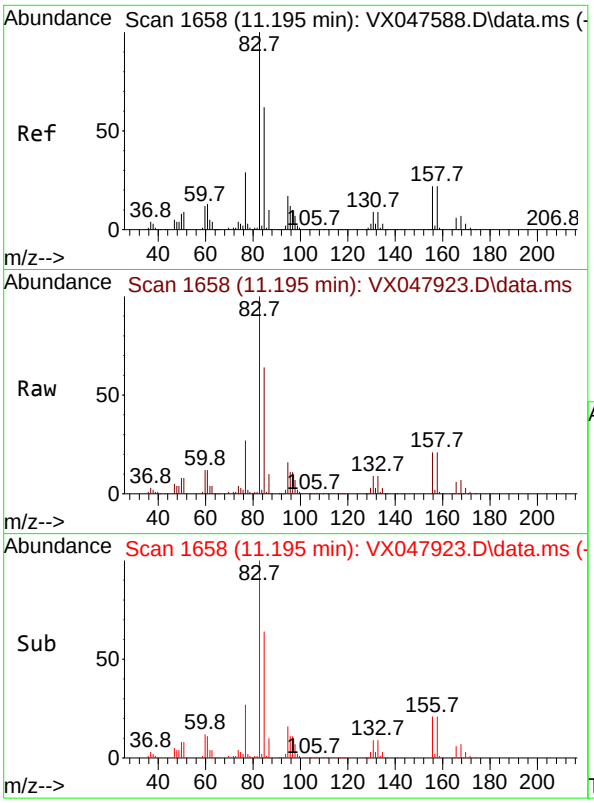


#74
N-amyl acetate
Concen: 50.866 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 43 Resp: 194530

Ion	Ratio	Lower	Upper
43	100		
70	41.2	32.0	48.0
55	24.2	18.9	28.3
61	23.7	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 54.611 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

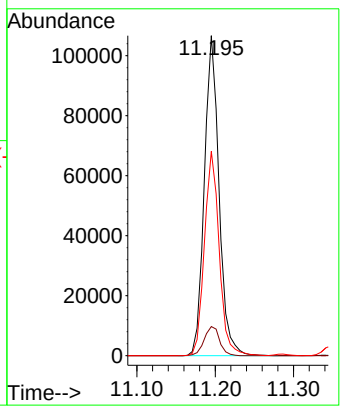
Tgt Ion: 83 Resp: 13856

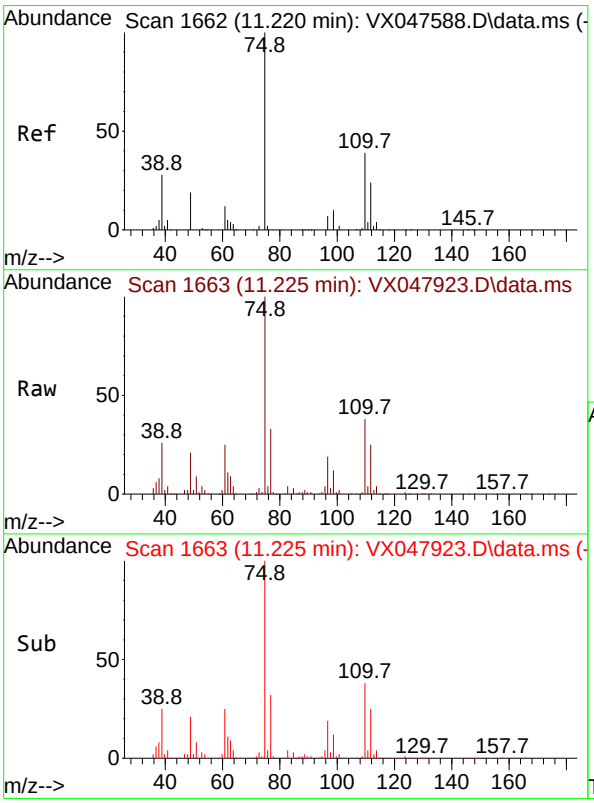
Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.0	14.9
85	64.3	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

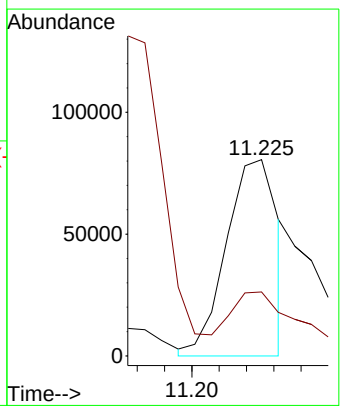


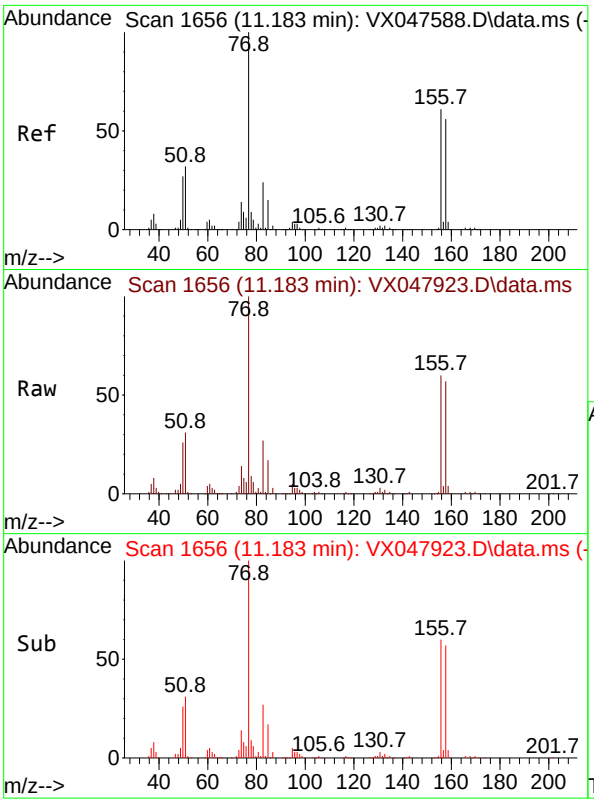


#76
1,2,3-Trichloropropane
Concen: 47.156 ug/l m
RT: 11.225 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 75 Resp: 105320

Ion	Ratio	Lower	Upper
75	100		
77	43.7	18.8	56.4





#77
Bromobenzene
Concen: 50.251 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

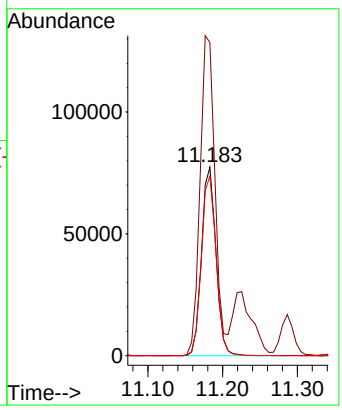
Tgt Ion:156 Resp: 10379

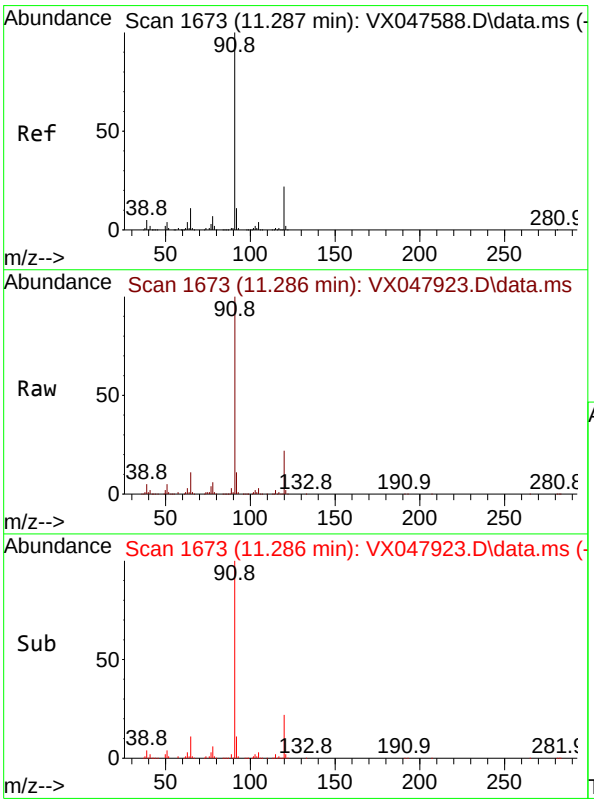
Ion	Ratio	Lower	Upper
156	100		
77	176.0	89.7	269.1
158	96.7	47.9	143.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

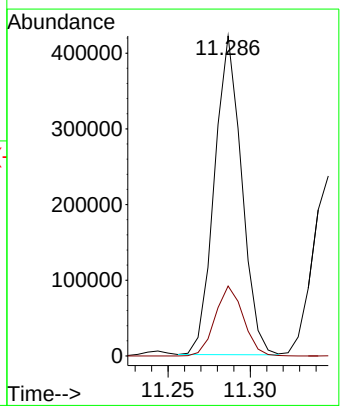


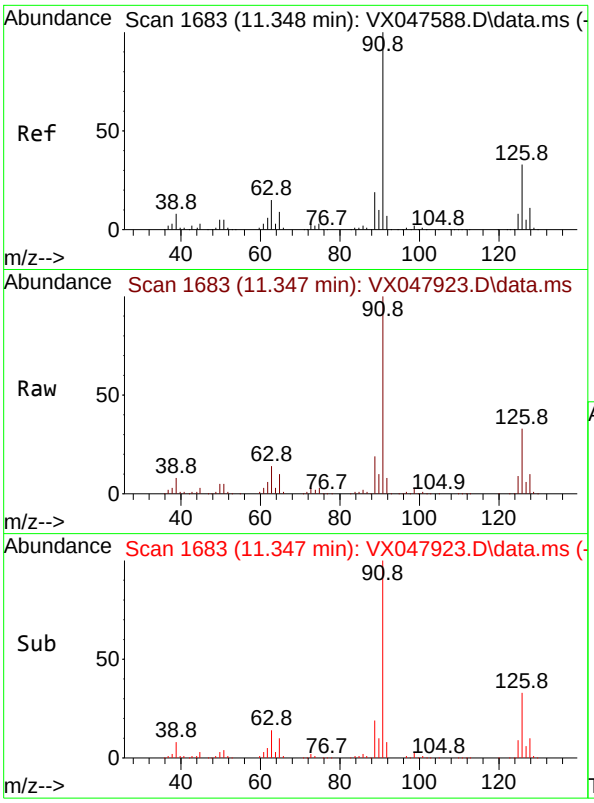


#78
n-propylbenzene
Concen: 49.015 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 91 Resp: 485929

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.1	33.1





#79
2-Chlorotoluene
Concen: 49.224 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

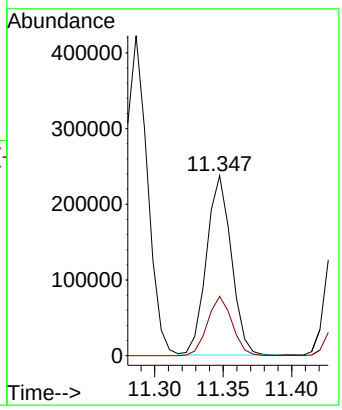
Tgt Ion: 91 Resp: 29889

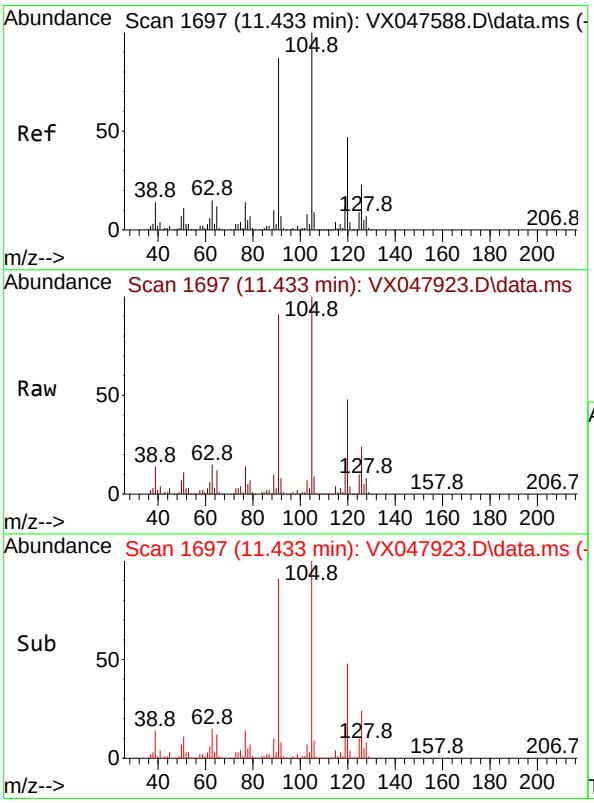
Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.1	48.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

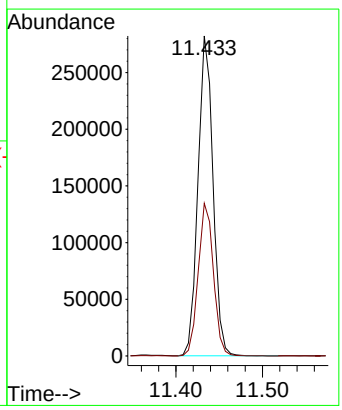


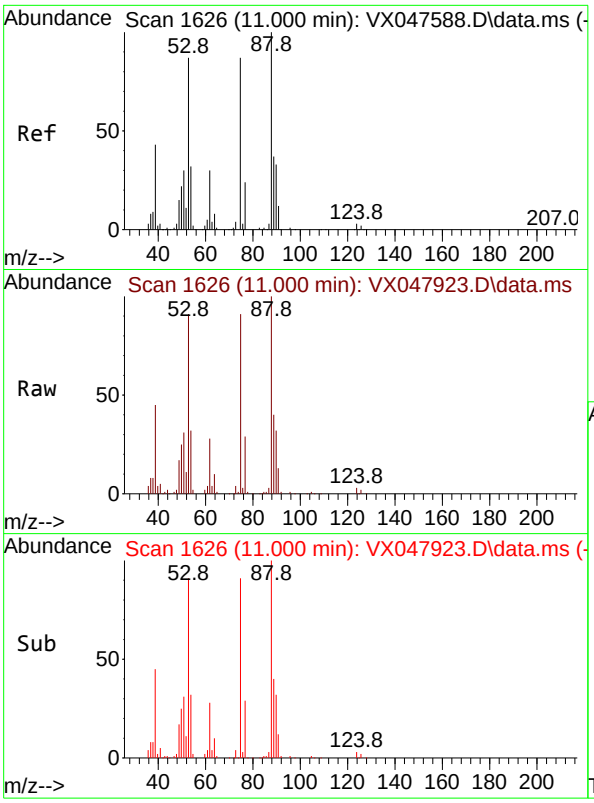


#80
1,3,5-Trimethylbenzene
Concen: 49.255 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:105 Resp: 339378

Ion	Ratio	Lower	Upper
105	100		
120	48.5	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 46.075 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

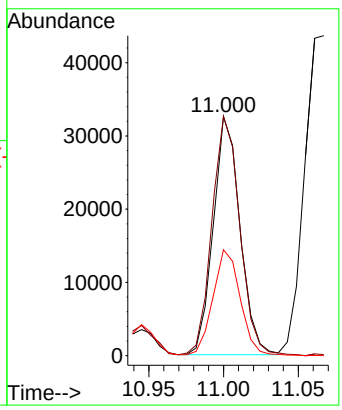
Tgt Ion: 75 Resp: 4035

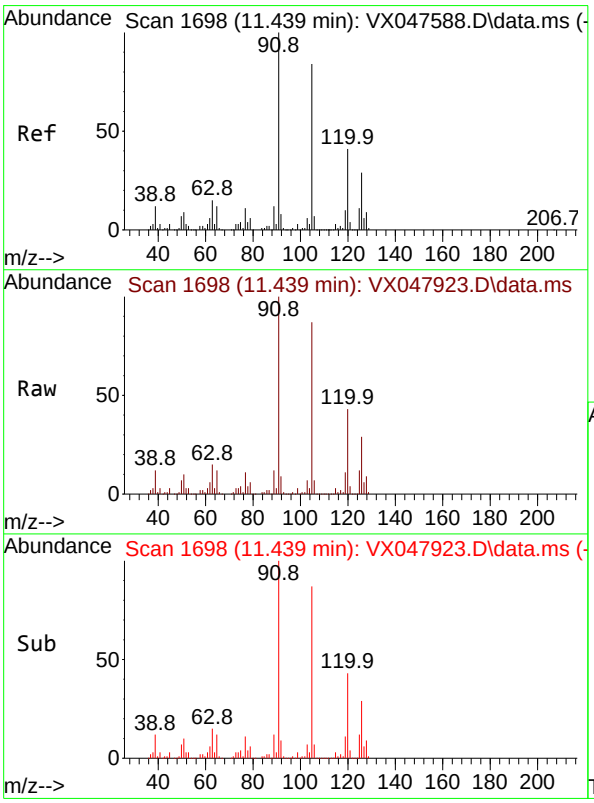
Ion	Ratio	Lower	Upper
75	100		
53	105.1	83.4	125.2
89	45.6	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

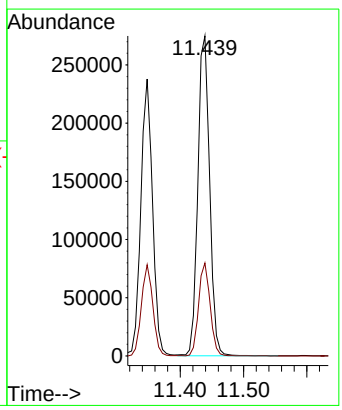


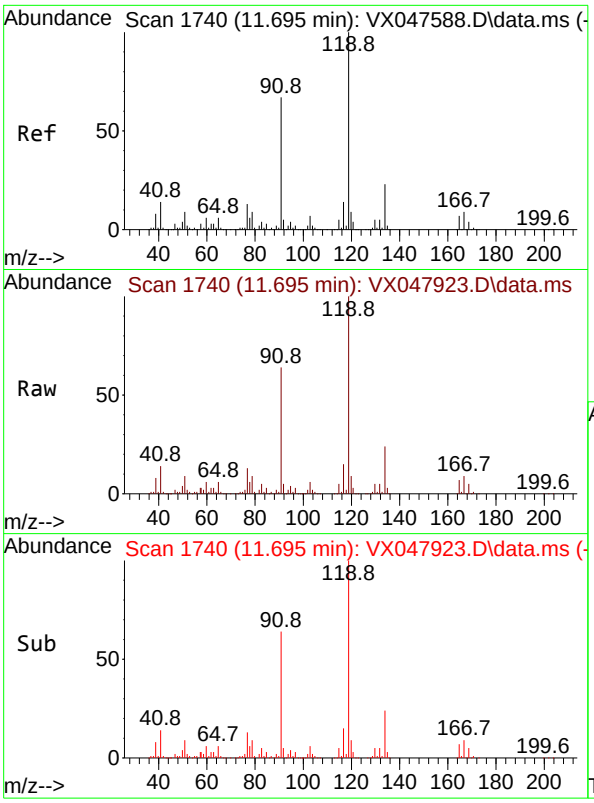


#82
4-Chlorotoluene
Concen: 49.640 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 91 Resp: 355988

Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.2	42.6

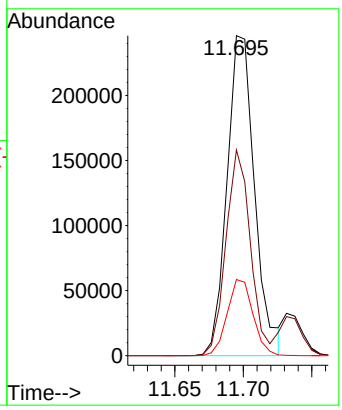




#83
tert-Butylbenzene
Concen: 49.053 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:119 Resp: 34598

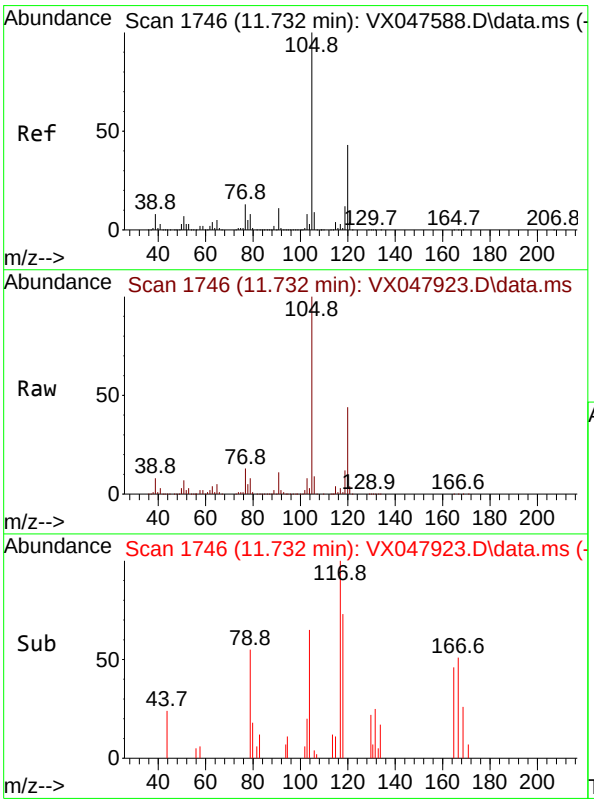
Ion	Ratio	Lower	Upper
119	100		
91	57.0	29.6	88.8
134	22.3	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

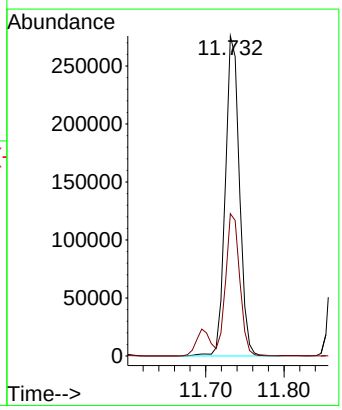
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

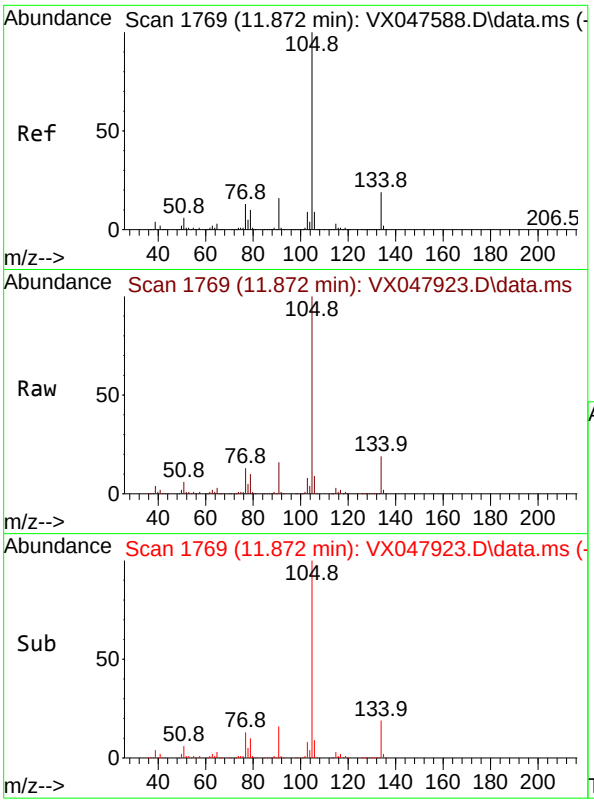


#84
1,2,4-Trimethylbenzene
Concen: 49.536 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:105 Resp: 346035

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1

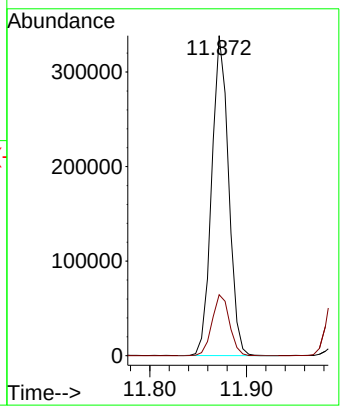




#85
sec-Butylbenzene
Concen: 48.913 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:105 Resp: 40979

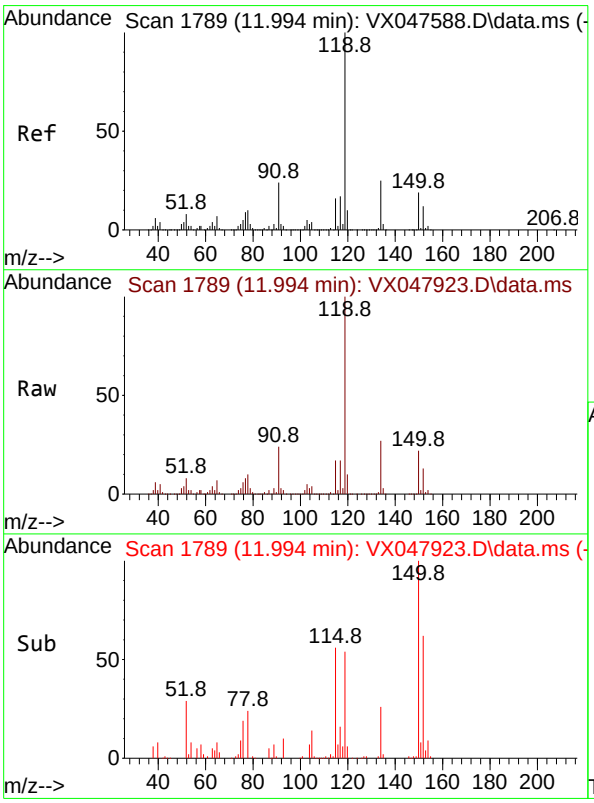
Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

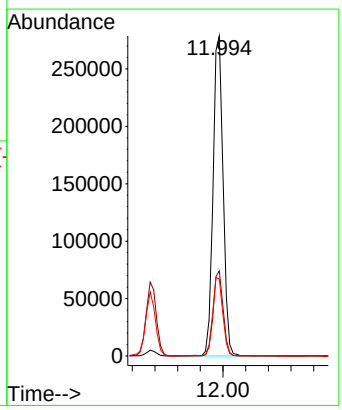
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

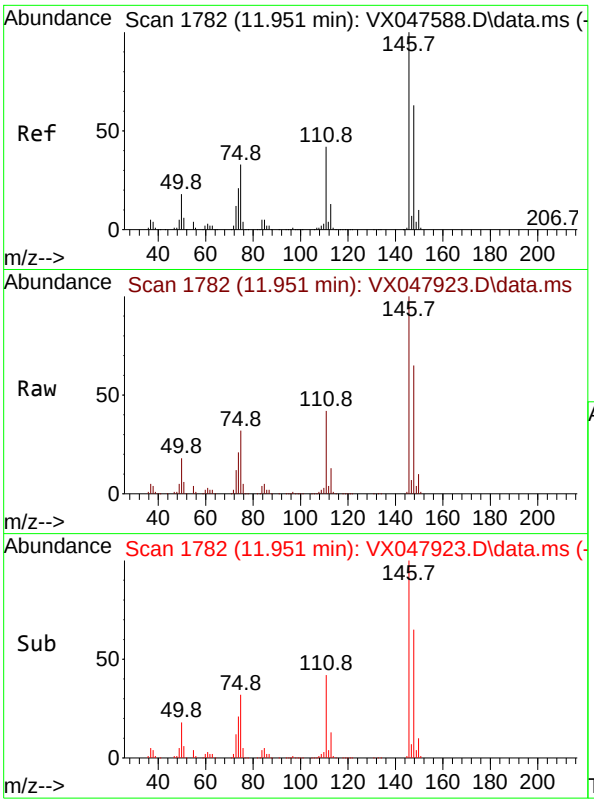


#86
p-Isopropyltoluene
Concen: 48.250 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:119 Resp: 342231

Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.6	37.8
91	24.9	12.6	37.6

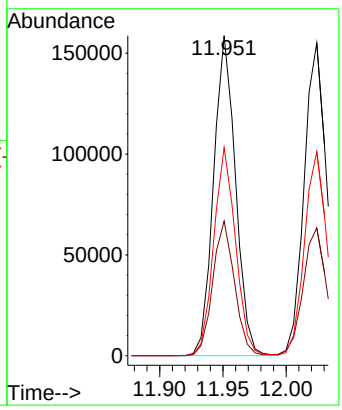




#87
1,3-Dichlorobenzene
Concen: 49.812 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:146 Resp: 19110

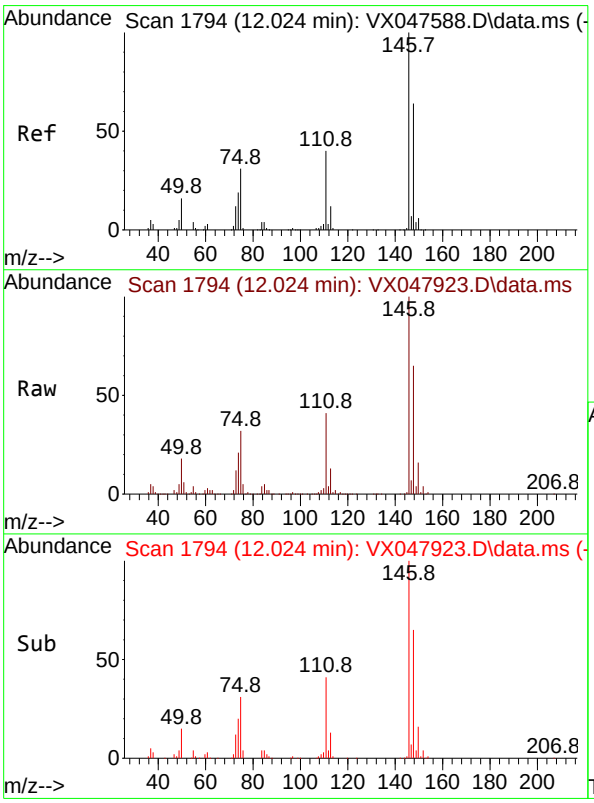
Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.5	64.5
148	64.6	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

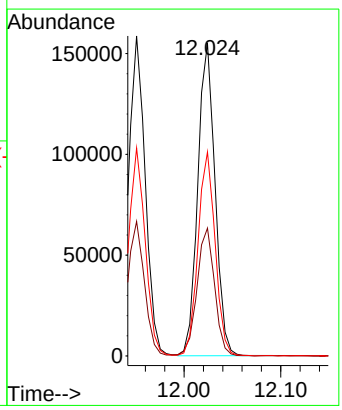
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

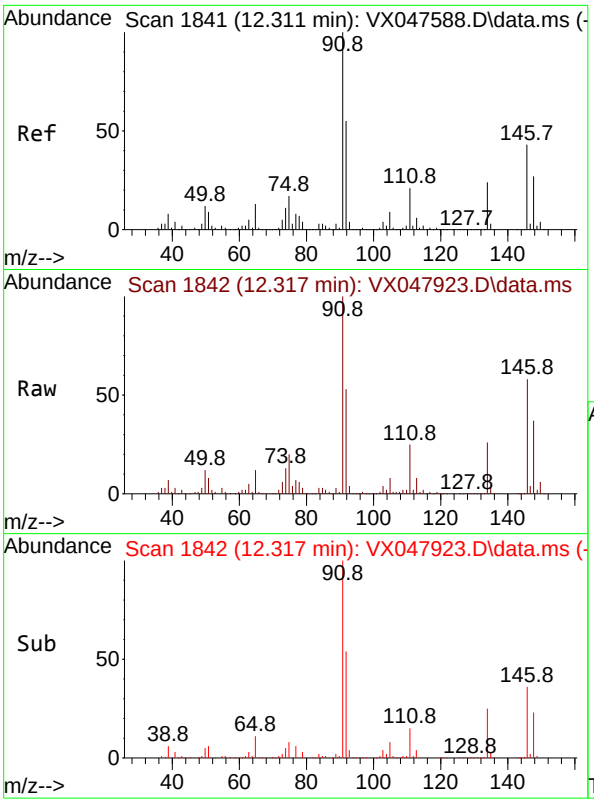


#88
1,4-Dichlorobenzene
Concen: 49.006 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:146 Resp: 192965

Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.8	62.4
148	64.7	31.7	95.1

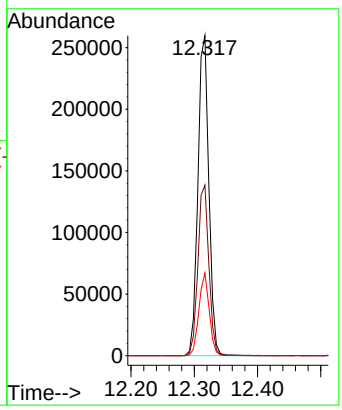




#89
n-Butylbenzene
Concen: 47.651 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 91 Resp: 31273

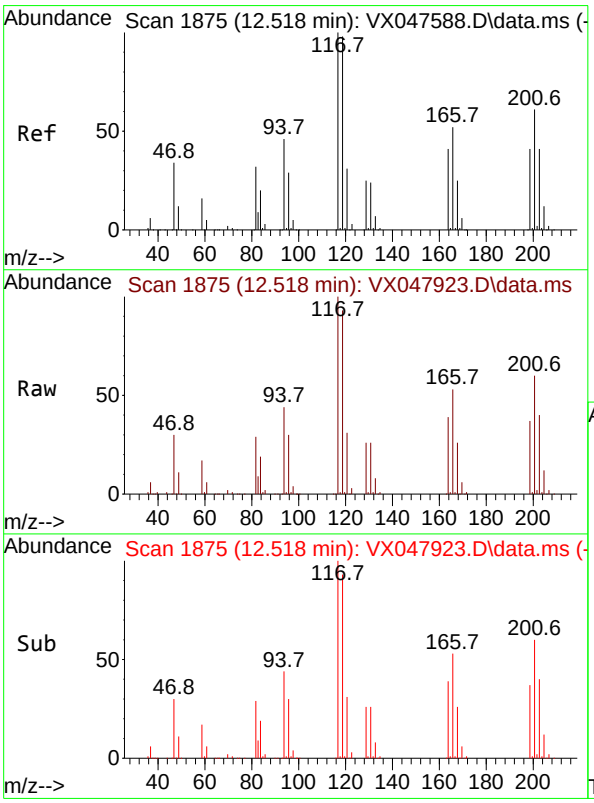
Ion	Ratio	Lower	Upper
91	100		
92	53.5	27.6	82.7
134	24.5	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

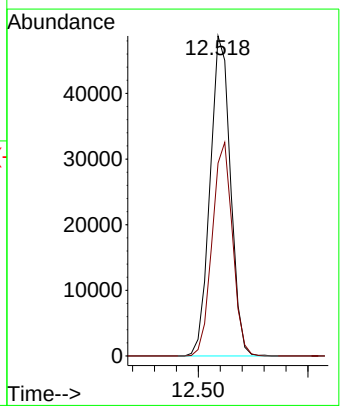
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

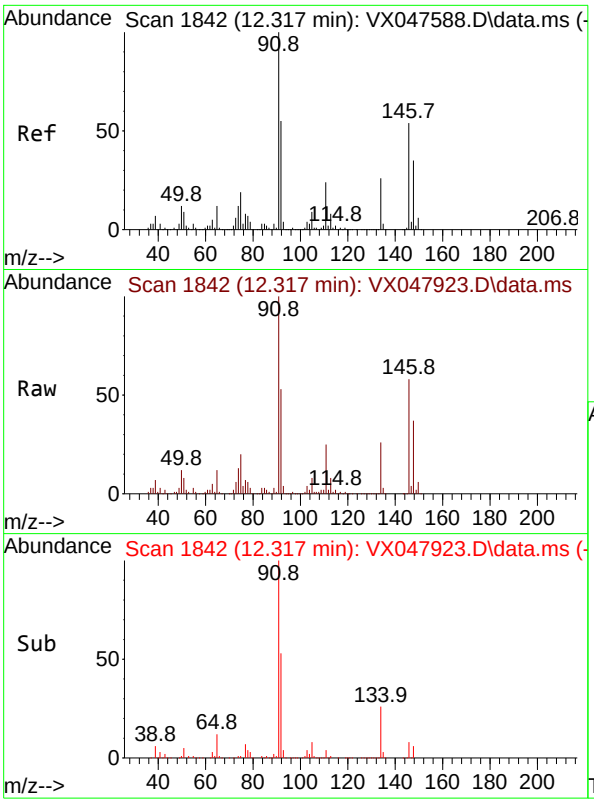


#90
Hexachloroethane
Concen: 50.578 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:117 Resp: 62984

Ion	Ratio	Lower	Upper
117	100		
201	66.4	34.2	102.5

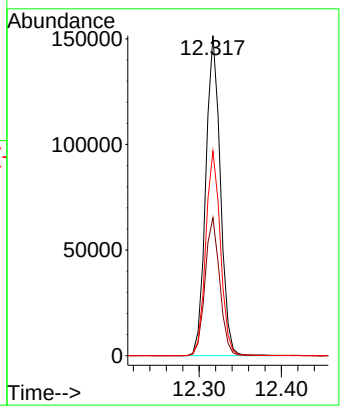




#91
1,2-Dichlorobenzene
Concen: 50.939 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:146 Resp: 18618

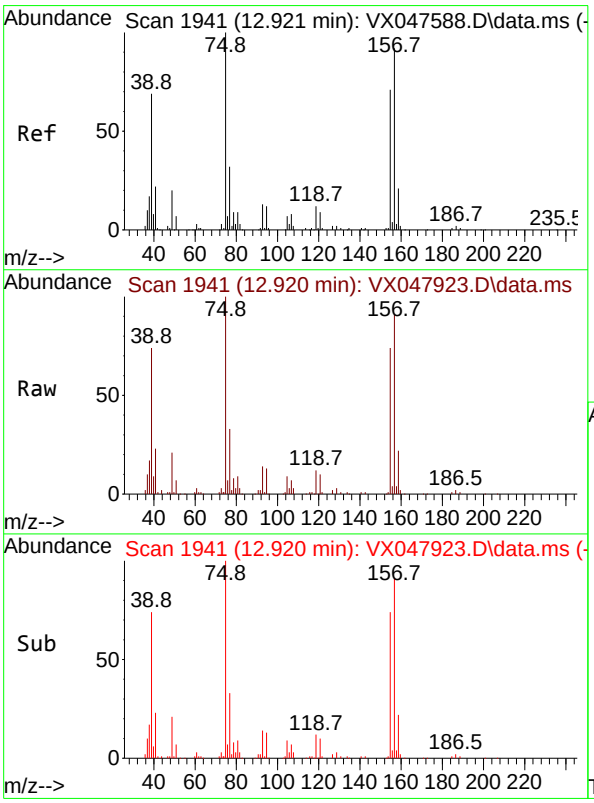
Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.2	66.6
148	64.3	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

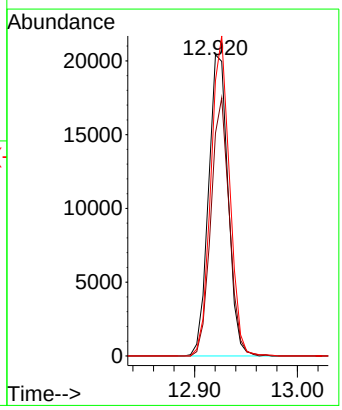
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

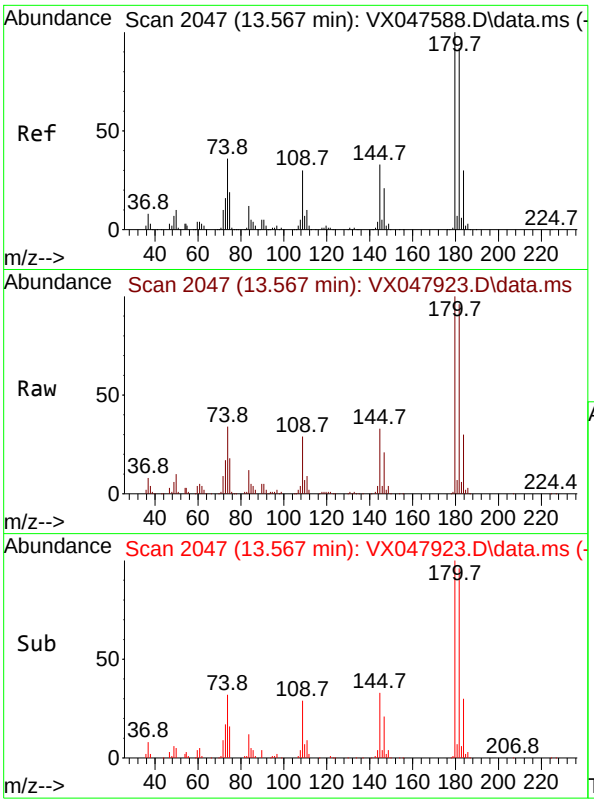


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.467 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 75 Resp: 26953

Ion	Ratio	Lower	Upper
75	100		
155	80.5	37.7	113.1
157	101.3	49.8	149.4





#93
1,2,4-Trichlorobenzene
Concen: 47.467 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

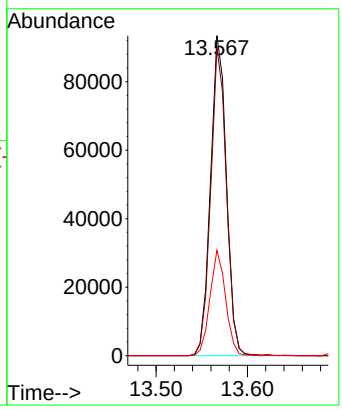
Tgt Ion:180 Resp: 11275

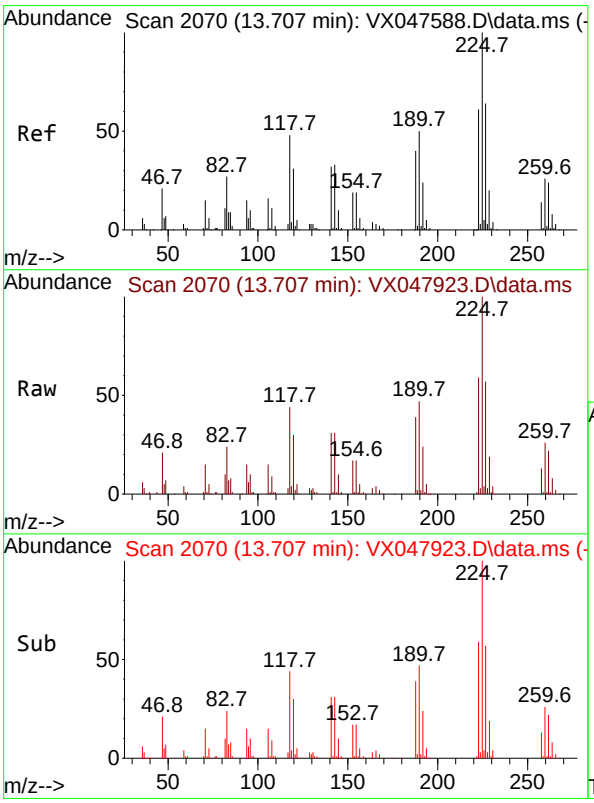
Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.6	139.8
145	32.4	16.4	49.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

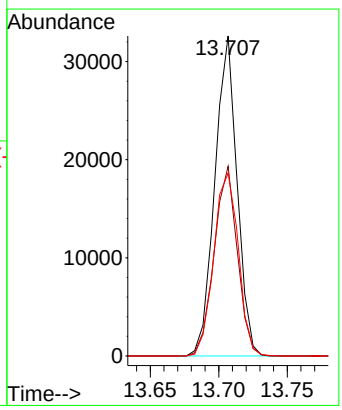


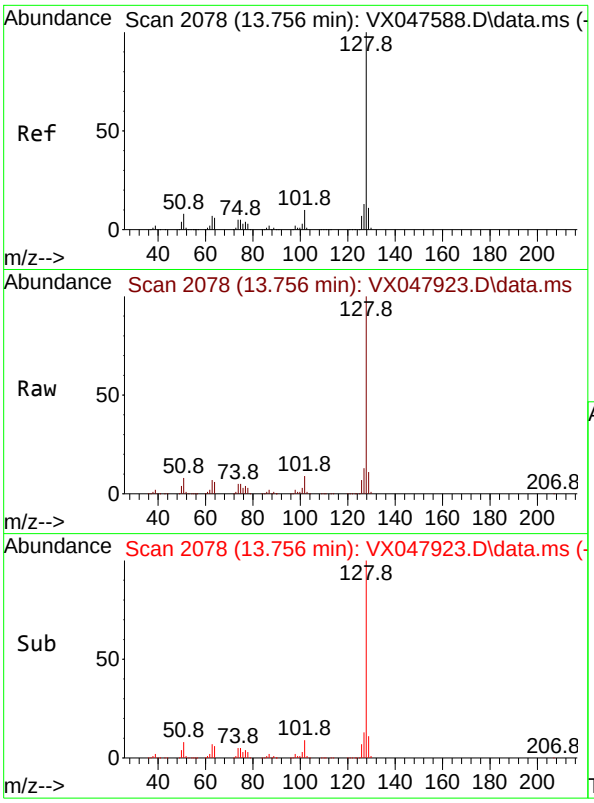


#94
Hexachlorobutadiene
Concen: 45.550 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:225 Resp: 36753

Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.7	95.1
227	63.1	32.0	96.0

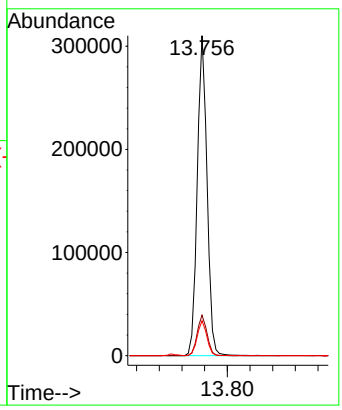




#95
Naphthalene
Concen: 51.160 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:128 Resp: 37006

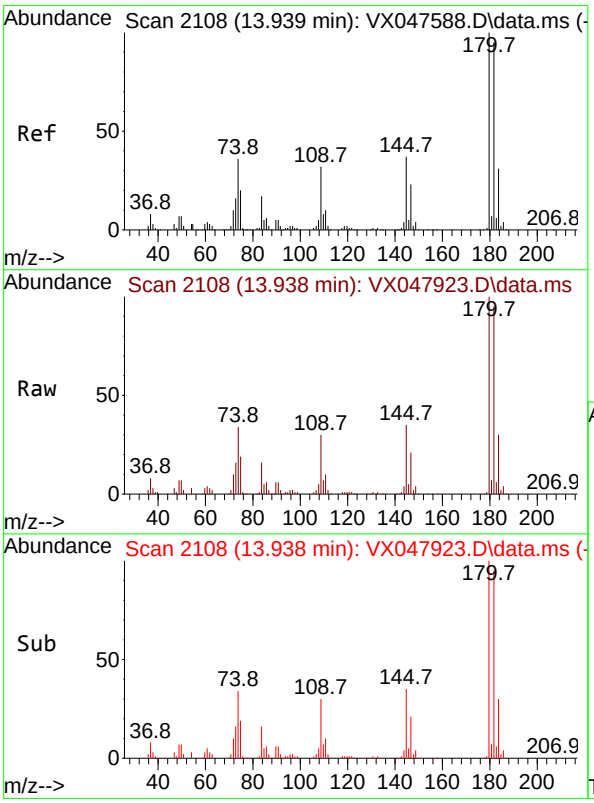
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

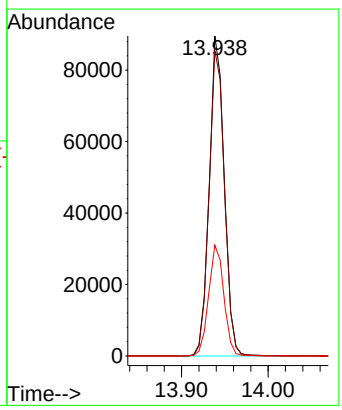
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 48.861 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:180 Resp: 107969

Ion	Ratio	Lower	Upper
180	100		
182	98.0	47.6	142.8
145	35.1	17.9	53.7



Sample Results: **VX047923.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047923.D
Acq On : 30 Sep 2025 19:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 01 01:17:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	76	0.00
2	T	Dichlorodifluoromethane	0.518	0.582	-12.4	89	0.00
3	P	Chloromethane	0.680	0.702	-3.2	81	0.00
4	C	Vinyl Chloride	0.666	0.724	-8.7#	84	0.00
5	T	Bromomethane	0.422	0.460	-9.0	83	0.00
6	T	Chloroethane	0.445	0.493	-10.8	85	0.00
7	T	Trichlorofluoromethane	0.989	1.079	-9.1	83	0.00
8	T	Diethyl Ether	0.405	0.448	-10.6	84	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.578	0.633	-9.5	83	0.00
10	T	Methyl Iodide	0.902	0.790	12.4	66	0.00
11	T	Tert butyl alcohol	0.089	0.092	-3.4	79	0.00
12	CM	1,1-Dichloroethene	0.594	0.646	-8.8#	82	0.00
13	T	Acrolein	0.082	0.086	-4.9	81	0.00
14	T	Allyl chloride	1.226	1.229	-0.2	78	0.00
15	T	Acrylonitrile	0.328	0.405	-23.5	89	0.00
16	T	Acetone	0.346	0.315	9.0	76	0.00
17	T	Carbon Disulfide	1.626	1.655	-1.8	81	0.00
18	T	Methyl Acetate	0.770	1.002	-30.1#	87	0.00
19	T	Methyl tert-butyl Ether	2.169	2.399	-10.6	82	0.00
20	T	Methylene Chloride	0.732	0.814	-11.2	85	0.00
21	T	trans-1,2-Dichloroethene	0.640	0.698	-9.1	82	0.00
22	T	Diisopropyl ether	2.376	2.659	-11.9	82	0.00
23	T	Vinyl Acetate	1.901	2.130	-12.0	82	0.00
24	P	1,1-Dichloroethane	1.263	1.405	-11.2	83	0.00
25	T	2-Butanone	0.432	0.482	-11.6	84	0.00
26	T	2,2-Dichloropropane	1.050	0.889	15.3	64	0.00
27	T	cis-1,2-Dichloroethene	0.783	0.858	-9.6	81	0.00
28	T	Bromochloromethane	0.551	0.591	-7.3	78	0.00
29	T	Tetrahydrofuran	0.260	0.306	-17.7	85	0.00
30	C	Chloroform	1.276	1.447	-13.4#	84	0.00
31	T	Cyclohexane	1.052	1.031	2.0	77	0.00
32	T	1,1,1-Trichloroethane	1.082	1.173	-8.4	80	0.00
33	S	1,2-Dichloroethane-d4	0.796	0.844	-6.0	84	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	78	0.00
35	S	Dibromofluoromethane	0.335	0.363	-8.4	85	0.00
36	T	1,1-Dichloropropene	0.490	0.486	0.8	77	0.00
37	T	Ethyl Acetate	0.525	0.574	-9.3	84	0.00
38	T	Carbon Tetrachloride	0.532	0.541	-1.7	78	0.00
39	T	Methylcyclohexane	0.556	0.532	4.3	73	0.00
40	TM	Benzene	1.488	1.614	-8.5	82	0.00
41	T	Methacrylonitrile	0.271	0.309	-14.0	84	0.00
42	TM	1,2-Dichloroethane	0.566	0.612	-8.1	82	0.00
43	T	Isopropyl Acetate	0.860	0.941	-9.4	81	0.00
44	TM	Trichloroethene	0.360	0.387	-7.5	81	0.00
45	C	1,2-Dichloropropane	0.381	0.430	-12.9#	84	0.00
46	T	Dibromomethane	0.277	0.306	-10.5	82	0.00
47	T	Bromodichloromethane	0.572	0.640	-11.9	82	0.00
48	T	Methyl methacrylate	0.429	0.476	-11.0	82	0.00

Sample Results: **VX047923.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047923.D
Acq On : 30 Sep 2025 19:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 01 01:17:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	0.004	0.006	-50.0#	91	0.00
50	S	Toluene-d8	1.160	1.231	-6.1	83	0.00
51	T	4-Methyl-2-Pentanone	0.477	0.570	-19.5	87	0.00
52	CM	Toluene	0.917	0.985	-7.4#	81	0.00
53	T	t-1,3-Dichloropropene	0.584	0.607	-3.9	76	0.00
54	T	cis-1,3-Dichloropropene	0.624	0.661	-5.9	78	0.00
55	T	1,1,2-Trichloroethane	0.354	0.403	-13.8	85	0.00
56	T	Ethyl methacrylate	0.555	0.629	-13.3	81	0.00
57	T	1,3-Dichloropropane	0.607	0.690	-13.7	84	0.00
58	T	2-Chloroethyl Vinyl ether	0.227	0.323	-42.3#	92	0.00
59	T	2-Hexanone	0.343	0.395	-15.2	85	0.00
60	T	Dibromochloromethane	0.407	0.472	-16.0	84	0.00
61	T	1,2-Dibromoethane	0.360	0.422	-17.2	86	0.00
62	S	4-Bromofluorobenzene	0.440	0.471	-7.0	86	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	82	0.00
64	T	Tetrachloroethene	0.326	0.331	-1.5	83	0.00
65	PM	Chlorobenzene	1.136	1.178	-3.7	82	0.00
66	T	1,1,1,2-Tetrachloroethane	0.392	0.419	-6.9	83	0.00
67	C	Ethyl Benzene	1.960	2.014	-2.8#	81	0.00
68	T	m/p-Xylenes	0.729	0.760	-4.3	81	0.00
69	T	o-Xylene	0.706	0.734	-4.0	80	0.00
70	T	Styrene	1.236	1.311	-6.1	82	0.00
71	P	Bromoform	0.293	0.335	-14.3	87	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	86	0.00
73	T	Isopropylbenzene	3.801	3.761	1.1	80	0.00
74	T	N-amyl acetate	1.733	1.763	-1.7	82	0.00
75	P	1,1,2,2-Tetrachloroethane	1.150	1.256	-9.2	89	0.00
76	T	1,2,3-Trichloropropane	1.012	0.955	5.6	73	0.00
77	T	Bromobenzene	0.936	0.941	-0.5	82	0.00
78	T	n-propylbenzene	4.494	4.405	2.0	79	0.00
79	T	2-Chlorotoluene	2.752	2.710	1.5	80	0.00
80	T	1,3,5-Trimethylbenzene	3.123	3.077	1.5	79	0.00
81	T	trans-1,4-Dichloro-2-butene	0.397	0.366	7.8	76	0.00
82	T	4-Chlorotoluene	3.251	3.227	0.7	81	0.00
83	T	tert-Butylbenzene	3.197	3.136	1.9	81	0.00
84	T	1,2,4-Trimethylbenzene	3.166	3.137	0.9	81	0.00
85	T	sec-Butylbenzene	3.797	3.715	2.2	80	0.00
86	T	p-Isopropyltoluene	3.215	3.102	3.5	78	0.00
87	T	1,3-Dichlorobenzene	1.739	1.732	0.4	82	0.00
88	T	1,4-Dichlorobenzene	1.785	1.749	2.0	82	0.00
89	T	n-Butylbenzene	2.975	2.835	4.7	78	0.00
90	T	Hexachloroethane	0.564	0.571	-1.2	83	0.00
91	T	1,2-Dichlorobenzene	1.657	1.688	-1.9	83	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.233	0.244	-4.7	83	0.00
93	T	1,2,4-Trichlorobenzene	1.077	1.022	5.1	76	0.00
94	T	Hexachlorobutadiene	0.366	0.333	9.0	75	0.00
95	T	Naphthalene	3.279	3.355	-2.3	82	0.00

Sample Results: **VX047923.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047923.D
Acq On : 30 Sep 2025 19:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 01 01:17:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1.002	0.979	2.3	78	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX047923.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047923.D
Acq On : 30 Sep 2025 19:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 01 01:17:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	76	0.00
2	T	Dichlorodifluoromethane	50.000	56.170	-12.3	89	0.00
3	P	Chloromethane	50.000	51.557	-3.1	81	0.00
4	C	Vinyl Chloride	50.000	54.366	-8.7#	84	0.00
5	T	Bromomethane	50.000	54.463	-8.9	83	0.00
6	T	Chloroethane	50.000	55.314	-10.6	85	0.00
7	T	Trichlorofluoromethane	50.000	54.566	-9.1	83	0.00
8	T	Diethyl Ether	50.000	55.414	-10.8	84	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	54.709	-9.4	83	0.00
10	T	Methyl Iodide	50.000	43.794	12.4	66	0.00
11	T	Tert butyl alcohol	250.000	258.604	-3.4	79	0.00
12	CM	1,1-Dichloroethene	50.000	54.342	-8.7#	82	0.00
13	T	Acrolein	250.000	264.445	-5.8	81	0.00
14	T	Allyl chloride	50.000	50.135	-0.3	78	0.00
15	T	Acrylonitrile	250.000	308.592	-23.4	89	0.00
16	T	Acetone	250.000	227.831	8.9	76	0.00
17	T	Carbon Disulfide	50.000	50.887	-1.8	81	0.00
18	T	Methyl Acetate	50.000	65.067	-30.1#	87	0.00
19	T	Methyl tert-butyl Ether	50.000	55.306	-10.6	82	0.00
20	T	Methylene Chloride	50.000	55.546	-11.1	85	0.00
21	T	trans-1,2-Dichloroethene	50.000	54.552	-9.1	82	0.00
22	T	Diisopropyl ether	50.000	55.966	-11.9	82	0.00
23	T	Vinyl Acetate	250.000	280.091	-12.0	82	0.00
24	P	1,1-Dichloroethane	50.000	55.634	-11.3	83	0.00
25	T	2-Butanone	250.000	279.147	-11.7	84	0.00
26	T	2,2-Dichloropropane	50.000	42.330	15.3	64	0.00
27	T	cis-1,2-Dichloroethene	50.000	54.761	-9.5	81	0.00
28	T	Bromochloromethane	50.000	53.604	-7.2	78	0.00
29	T	Tetrahydrofuran	250.000	294.905	-18.0	85	0.00
30	C	Chloroform	50.000	56.689	-13.4#	84	0.00
31	T	Cyclohexane	50.000	49.011	2.0	77	0.00
32	T	1,1,1-Trichloroethane	50.000	54.189	-8.4	80	0.00
33	S	1,2-Dichloroethane-d4	50.000	53.045	-6.1	84	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	78	0.00
35	S	Dibromofluoromethane	50.000	54.153	-8.3	85	0.00
36	T	1,1-Dichloropropene	50.000	49.637	0.7	77	0.00
37	T	Ethyl Acetate	50.000	54.746	-9.5	84	0.00
38	T	Carbon Tetrachloride	50.000	50.785	-1.6	78	0.00
39	T	Methylcyclohexane	50.000	47.806	4.4	73	0.00
40	TM	Benzene	50.000	54.213	-8.4	82	0.00
41	T	Methacrylonitrile	50.000	57.078	-14.2	84	0.00
42	TM	1,2-Dichloroethane	50.000	54.079	-8.2	82	0.00
43	T	Isopropyl Acetate	50.000	54.708	-9.4	81	0.00
44	TM	Trichloroethene	50.000	53.847	-7.7	81	0.00
45	C	1,2-Dichloropropane	50.000	56.471	-12.9#	84	0.00
46	T	Dibromomethane	50.000	55.099	-10.2	82	0.00
47	T	Bromodichloromethane	50.000	55.883	-11.8	82	0.00
48	T	Methyl methacrylate	50.000	55.472	-10.9	82	0.00

Sample Results: **VX047923.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047923.D
Acq On : 30 Sep 2025 19:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 01 01:17:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	1305.423	-30.5#	91	0.00
50	S	Toluene-d8	50.000	53.040	-6.1	83	0.00
51	T	4-Methyl-2-Pentanone	250.000	298.935	-19.6	87	0.00
52	CM	Toluene	50.000	53.729	-7.5#	81	0.00
53	T	t-1,3-Dichloropropene	50.000	52.010	-4.0	76	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.943	-5.9	78	0.00
55	T	1,1,2-Trichloroethane	50.000	56.947	-13.9	85	0.00
56	T	Ethyl methacrylate	50.000	56.599	-13.2	81	0.00
57	T	1,3-Dichloropropane	50.000	56.837	-13.7	84	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	300.103	-20.0	92	0.00
59	T	2-Hexanone	250.000	287.896	-15.2	85	0.00
60	T	Dibromochloromethane	50.000	57.958	-15.9	84	0.00
61	T	1,2-Dibromoethane	50.000	58.588	-17.2	86	0.00
62	S	4-Bromofluorobenzene	50.000	53.472	-6.9	86	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	82	0.00
64	T	Tetrachloroethene	50.000	50.812	-1.6	83	0.00
65	PM	Chlorobenzene	50.000	51.854	-3.7	82	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	53.476	-7.0	83	0.00
67	C	Ethyl Benzene	50.000	51.390	-2.8#	81	0.00
68	T	m/p-Xylenes	100.000	104.119	-4.1	81	0.00
69	T	o-Xylene	50.000	52.032	-4.1	80	0.00
70	T	Styrene	50.000	53.035	-6.1	82	0.00
71	P	Bromoform	50.000	57.212	-14.4	87	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	86	0.00
73	T	Isopropylbenzene	50.000	49.469	1.1	80	0.00
74	T	N-amyl acetate	50.000	50.866	-1.7	82	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	54.611	-9.2	89	0.00
76	T	1,2,3-Trichloropropane	50.000	47.156	5.7	73	0.00
77	T	Bromobenzene	50.000	50.251	-0.5	82	0.00
78	T	n-propylbenzene	50.000	49.015	2.0	79	0.00
79	T	2-Chlorotoluene	50.000	49.224	1.6	80	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.255	1.5	79	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	46.075	7.8	76	0.00
82	T	4-Chlorotoluene	50.000	49.640	0.7	81	0.00
83	T	tert-Butylbenzene	50.000	49.053	1.9	81	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.536	0.9	81	0.00
85	T	sec-Butylbenzene	50.000	48.913	2.2	80	0.00
86	T	p-Isopropyltoluene	50.000	48.250	3.5	78	0.00
87	T	1,3-Dichlorobenzene	50.000	49.812	0.4	82	0.00
88	T	1,4-Dichlorobenzene	50.000	49.006	2.0	82	0.00
89	T	n-Butylbenzene	50.000	47.651	4.7	78	0.00
90	T	Hexachloroethane	50.000	50.578	-1.2	83	0.00
91	T	1,2-Dichlorobenzene	50.000	50.939	-1.9	83	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.467	-4.9	83	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.467	5.1	76	0.00
94	T	Hexachlorobutadiene	50.000	45.550	8.9	75	0.00
95	T	Naphthalene	50.000	51.160	-2.3	82	0.00

Sample Results: **VX047923.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047923.D
Acq On : 30 Sep 2025 19:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 01 01:17:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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	48.861	2.3	78	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

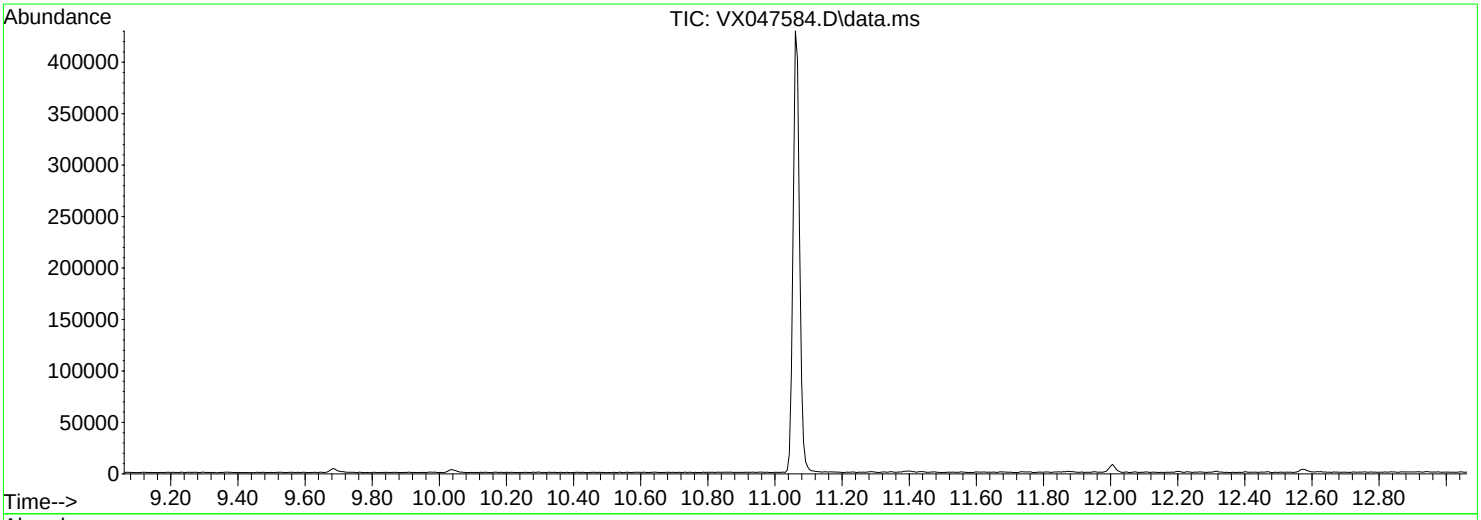
Sample Results: **VX047584.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047584.D
Acq On : 16 Sep 2025 08:56
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Title : SW846 8260
Last Update : Wed Sep 17 06:39:58 2025



AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1628

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.0	15566	PASS
75	95	30	60	54.0	41979	PASS
95	95	100	100	100.0	77717	PASS
96	95	5	9	7.0	5432	PASS
173	174	0.00	2	1.0	507	PASS
174	95	50	100	67.3	52275	PASS
175	174	5	9	8.1	4209	PASS
176	174	95	101	98.6	51560	PASS
177	176	5	9	6.4	3311	PASS

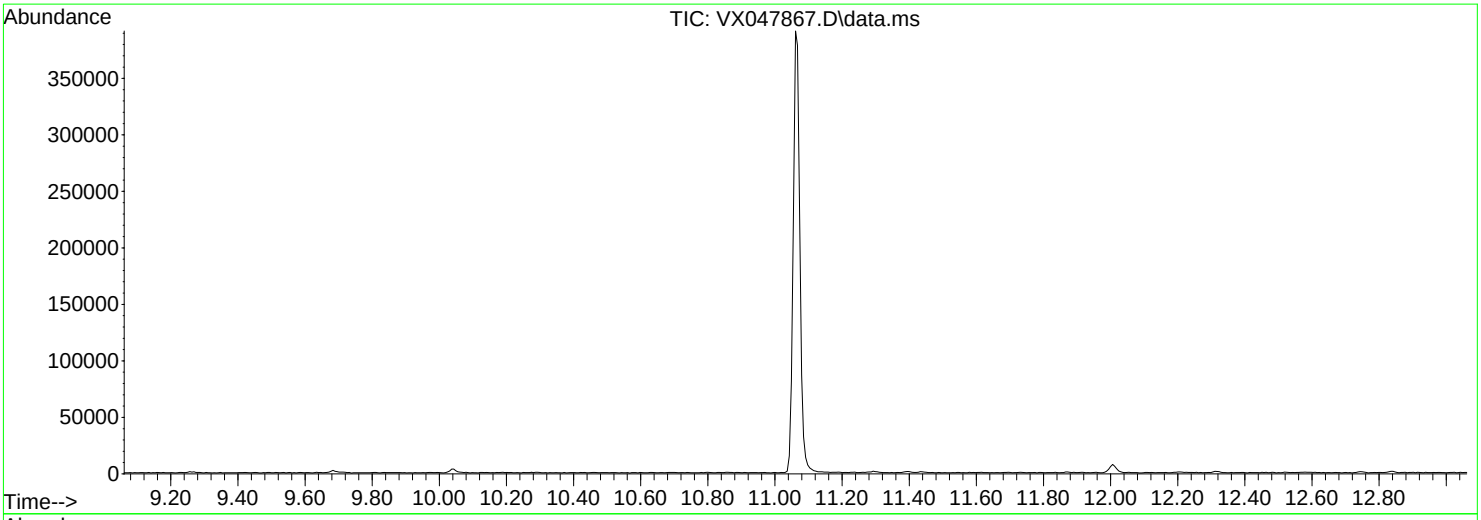
Sample Results: **VX047867.D**

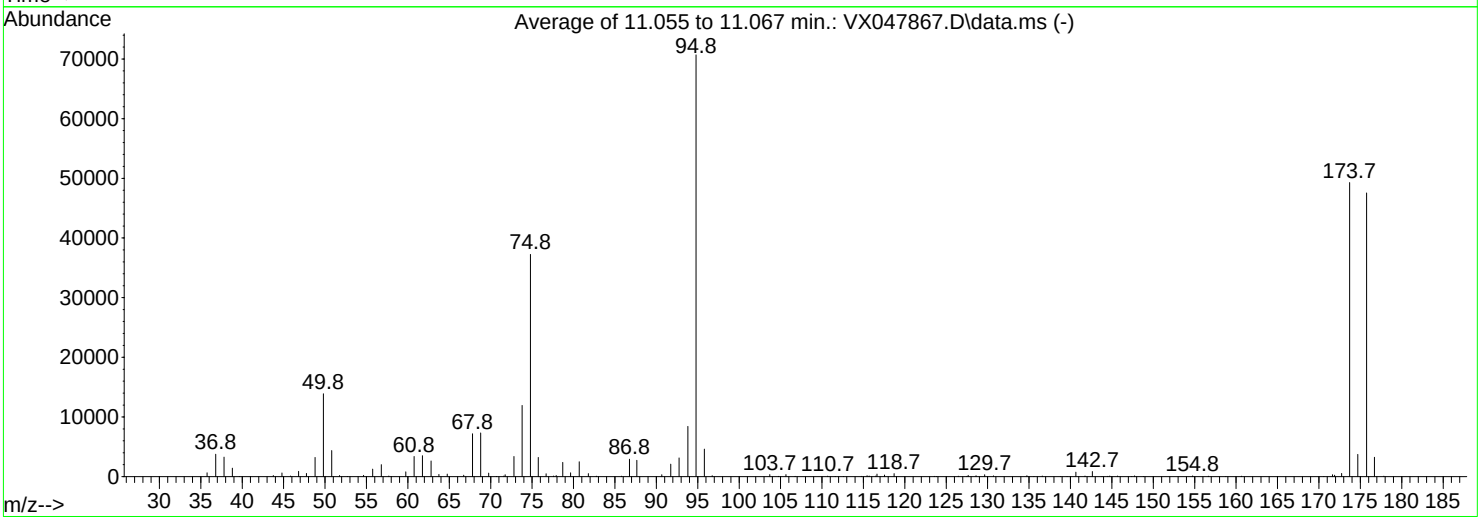
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047867.D
Acq On : 29 Sep 2025 08:29
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Title : SW846 8260
Last Update : Wed Sep 17 06:39:58 2025





AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1629

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.6	13880	PASS
75	95	30	60	52.7	37256	PASS
95	95	100	100	100.0	70693	PASS
96	95	5	9	6.5	4611	PASS
173	174	0.00	2	1.1	542	PASS
174	95	50	100	69.7	49299	PASS
175	174	5	9	7.6	3724	PASS
176	174	95	101	96.5	47555	PASS
177	176	5	9	6.8	3252	PASS

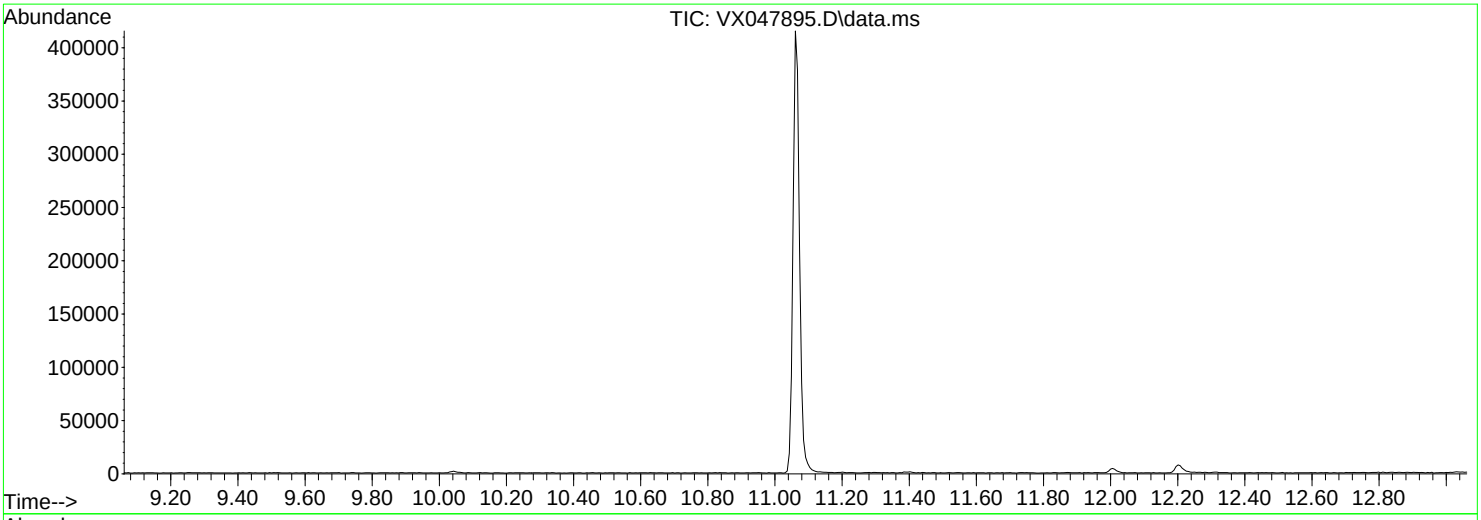
Sample Results: **VX047895.D**

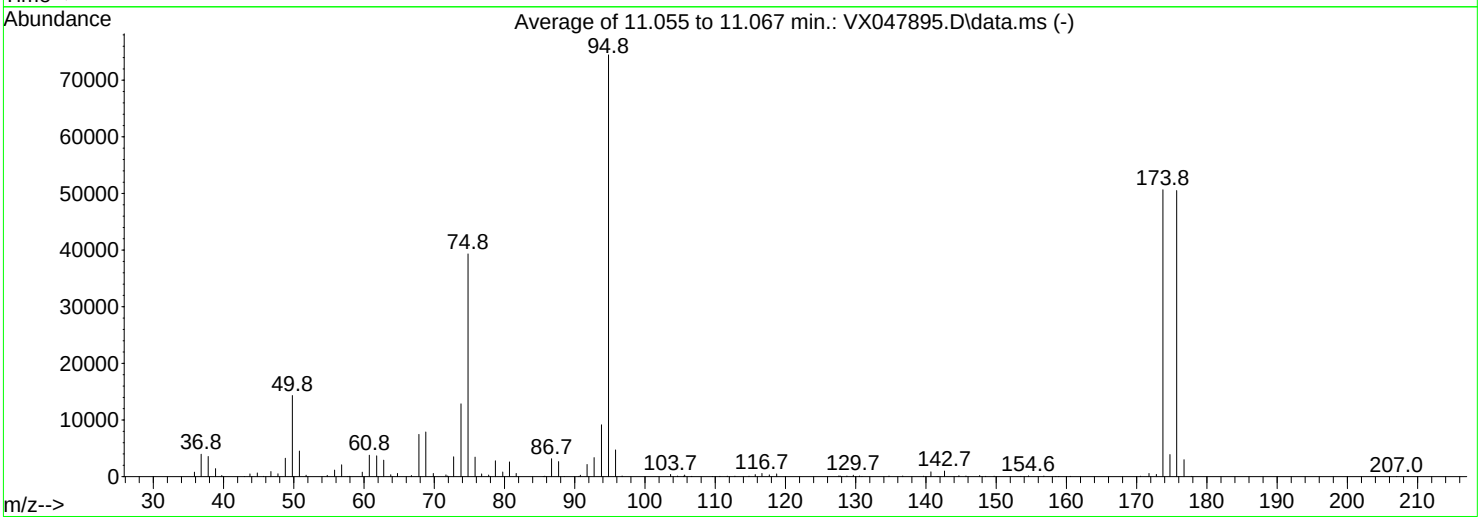
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047895.D
Acq On : 30 Sep 2025 08:49
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Title : SW846 8260
Last Update : Wed Sep 17 06:39:58 2025





AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1630

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.2	14337	PASS
75	95	30	60	52.8	39328	PASS
95	95	100	100	100.0	74483	PASS
96	95	5	9	6.3	4709	PASS
173	174	0.00	2	0.8	407	PASS
174	95	50	100	68.0	50669	PASS
175	174	5	9	7.7	3913	PASS
176	174	95	101	99.7	50504	PASS
177	176	5	9	5.9	2984	PASS

Raw Data: **VX047870.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0929WBL01	SDG No.:	Q3213
Lab Sample ID:	VX0929WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047870.D	1	09/29/25 09:48	VX092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Raw Data: **VX047870.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0929WBL01	SDG No.:	Q3213
Lab Sample ID:	VX0929WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047870.D	1	09/29/25 09:48	VX092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.3		81 - 118		99%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	48.5		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	151000	5.538				
540-36-3	1,4-Difluorobenzene	304000	6.745				
3114-55-4	Chlorobenzene-d5	306000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	152000	12.006				

Raw Data: **VX047870.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0929WBL01	SDG No.:	Q3213
Lab Sample ID:	VX0929WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047870.D	1	09/29/25 09:48	VX092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047870.D
Acq On : 29 Sep 2025 09:48
Operator : JC/MD
Sample : VX0929WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBL01

Quant Time: Sep 30 01:15:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

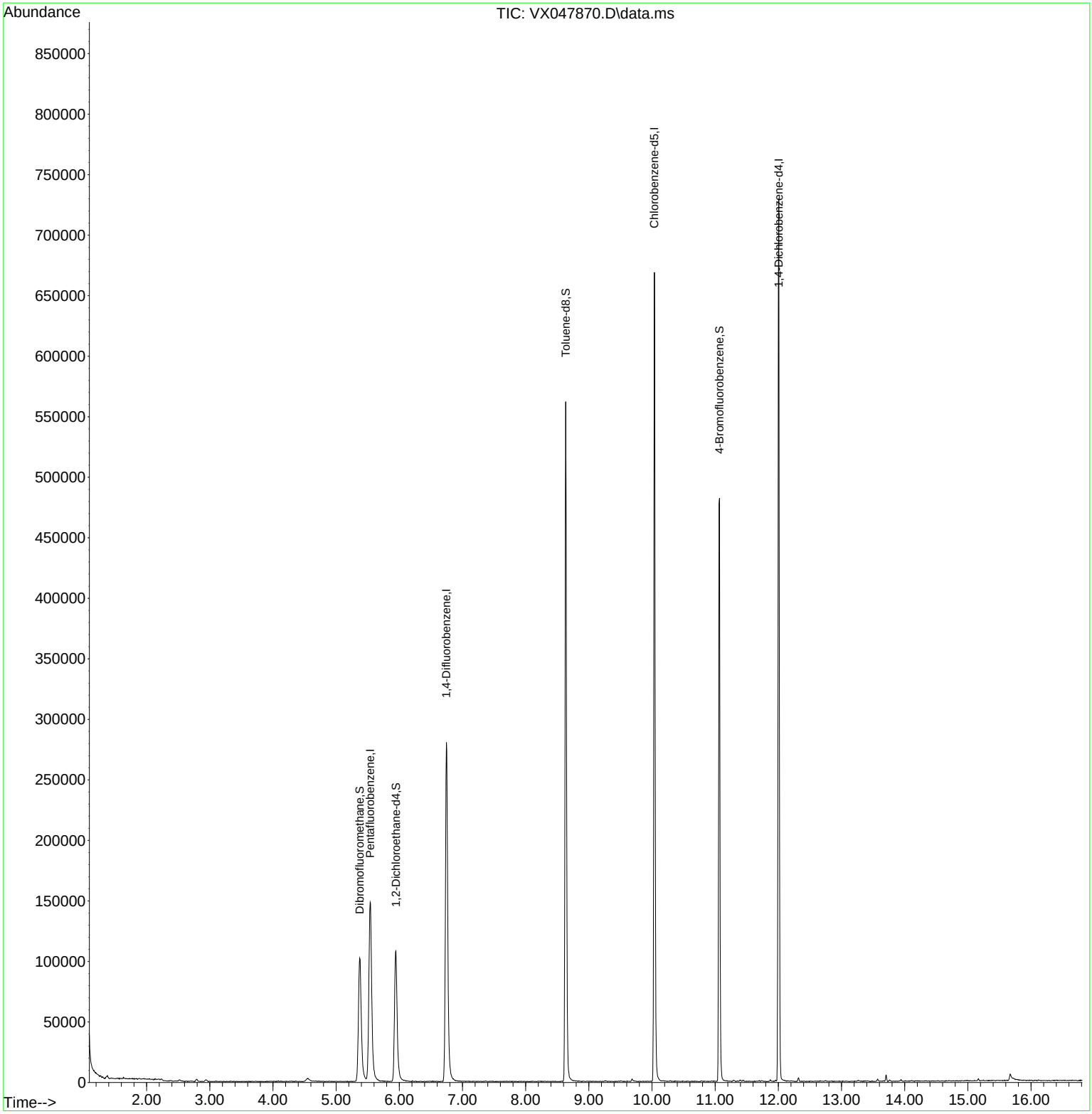
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	151039	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	304108	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	305847	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	151711	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	118516	49.296	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 98.600%			
35) Dibromofluoromethane	5.373	113	99558	48.815	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.620%			
50) Toluene-d8	8.635	98	342151	48.483	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.960%			
62) 4-Bromofluorobenzene	11.067	95	142267	53.118	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.240%			
Target Compounds						Qvalue

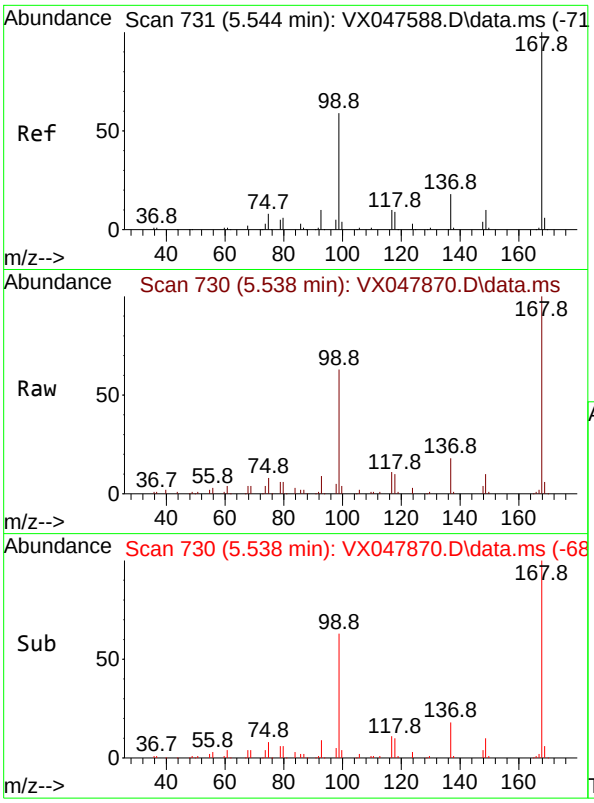
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047870.D
Acq On : 29 Sep 2025 09:48
Operator : JC/MD
Sample : VX0929WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBL01

Quant Time: Sep 30 01:15:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



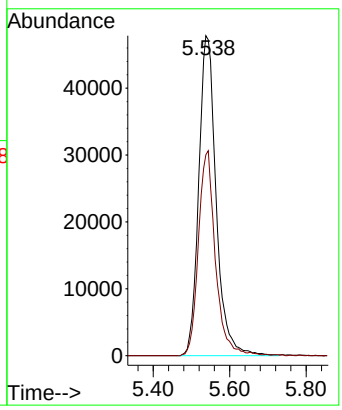


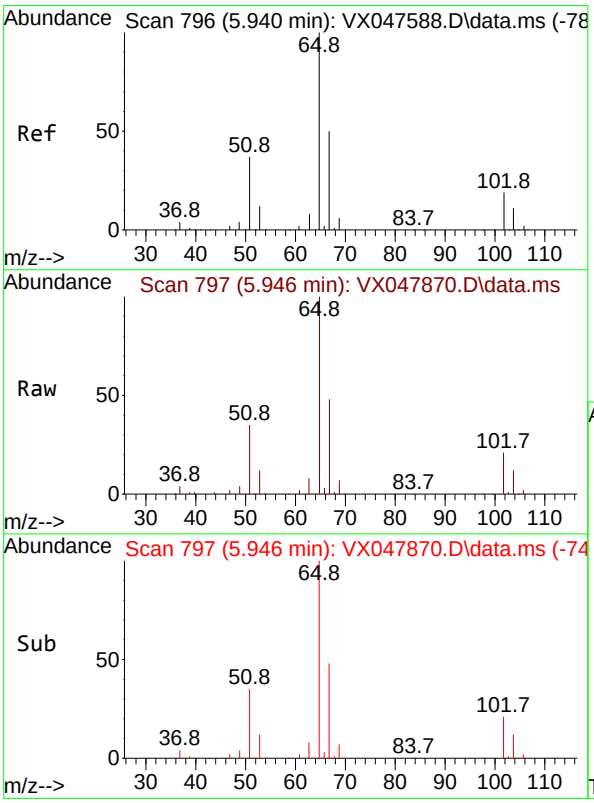
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047870.D
Acq: 29 Sep 2025 09:48

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBL01

Tgt Ion:168 Resp: 151039

Ion	Ratio	Lower	Upper
168	100		
99	62.8	48.8	73.2

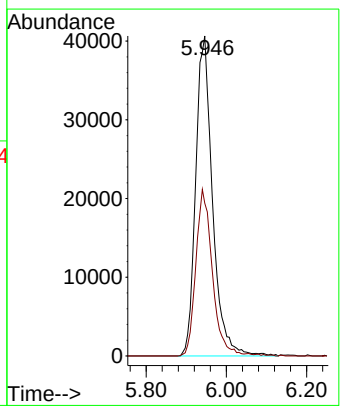


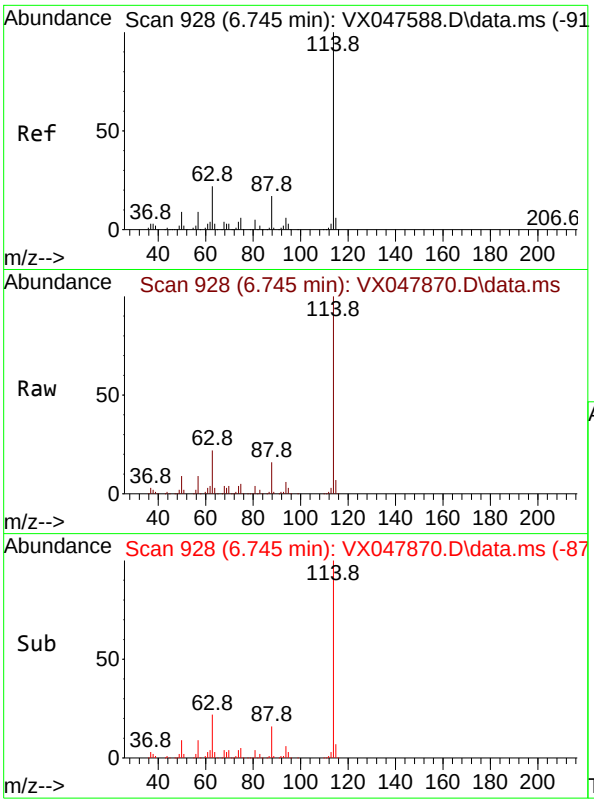


#33
1,2-Dichloroethane-d4
Concen: 49.296 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047870.D
Acq: 29 Sep 2025 09:48

Tgt Ion: 65 Resp: 118516

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	103.0



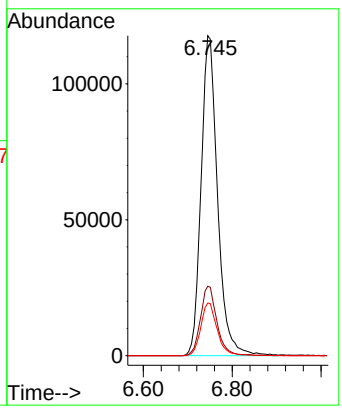


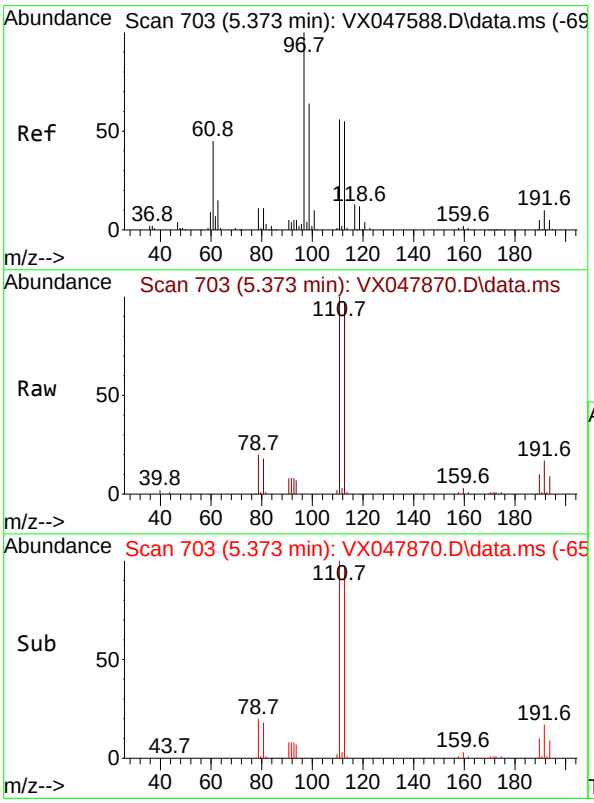
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047870.D
Acq: 29 Sep 2025 09:48

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBL01

Tgt Ion:114 Resp: 304108

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	44.0
88	16.4	0.0	34.2

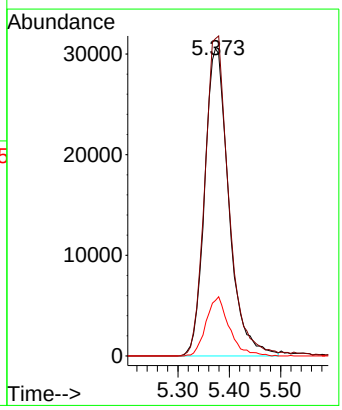


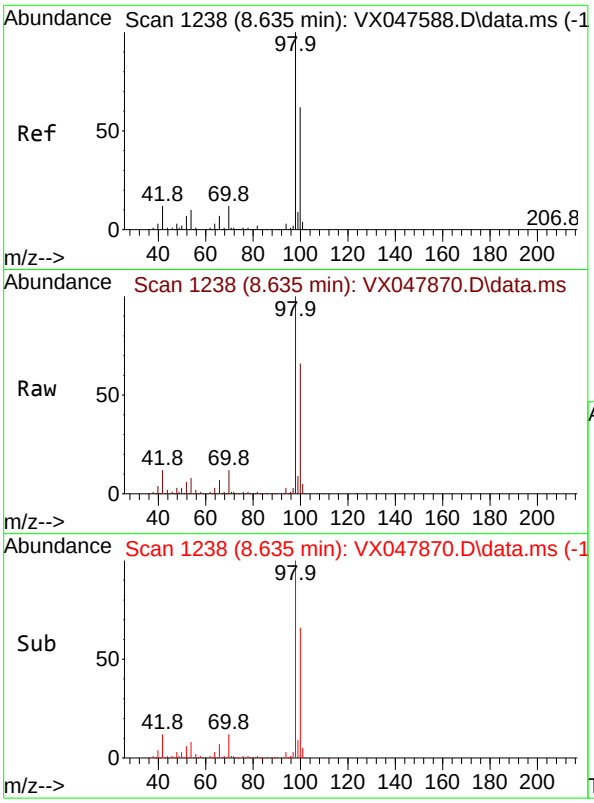


#35
Dibromofluoromethane
Concen: 48.815 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047870.D
Acq: 29 Sep 2025 09:48

Tgt Ion:113 Resp: 99558

Ion	Ratio	Lower	Upper
113	100		
111	103.8	80.9	121.3
192	18.4	14.2	21.4



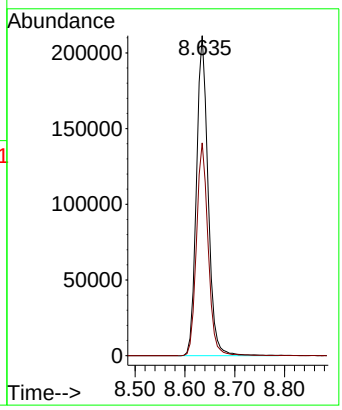


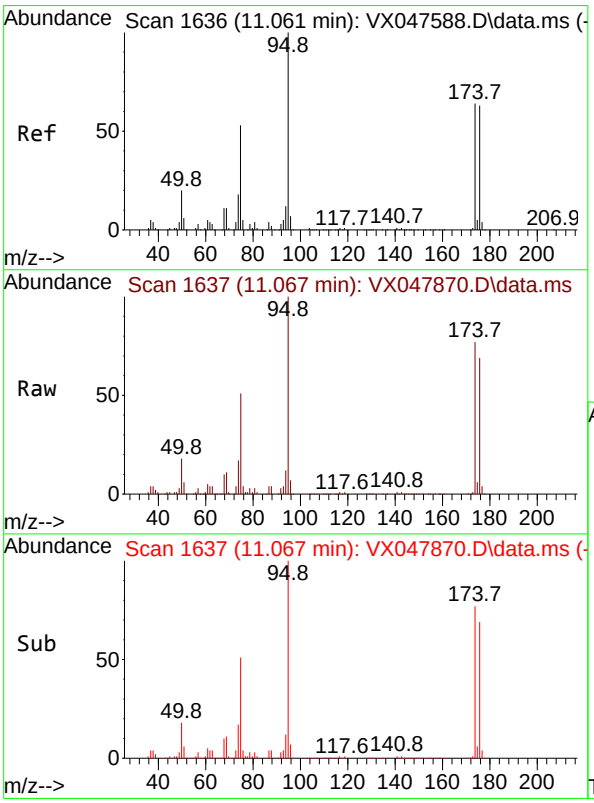
#50
Toluene-d8
Concen: 48.483 ug/l
RT: 8.635 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047870.D
Acq: 29 Sep 2025 09:48

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBL01

Tgt Ion: 98 Resp: 342151

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.0	79.4

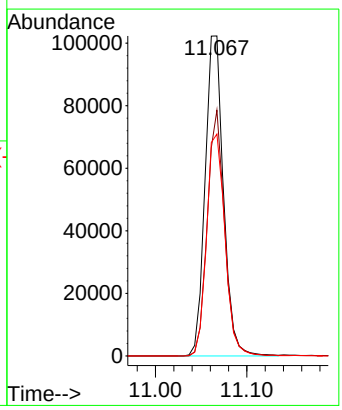


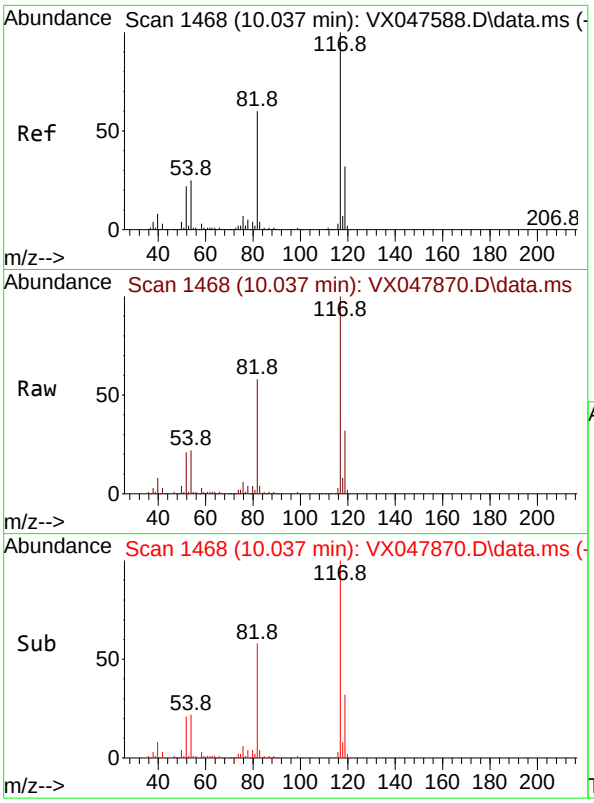


#62
4-Bromofluorobenzene
Concen: 53.118 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047870.D
Acq: 29 Sep 2025 09:48

Tgt Ion: 95 Resp: 142267

Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	141.6
176	69.8	0.0	138.4



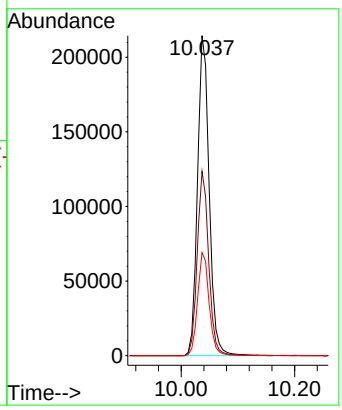


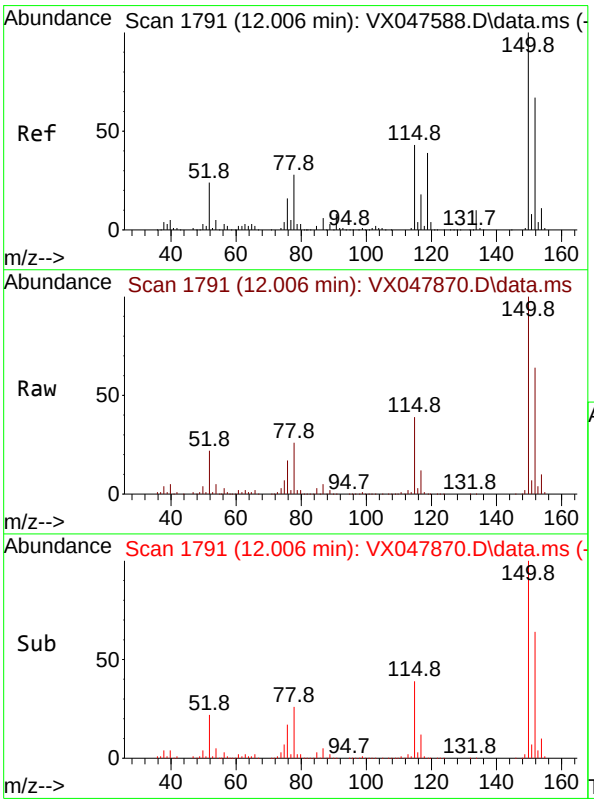
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047870.D
Acq: 29 Sep 2025 09:48

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBL01

Tgt Ion:117 Resp: 305847

Ion	Ratio	Lower	Upper
117	100		
82	57.6	47.8	71.6
119	32.2	25.2	37.8

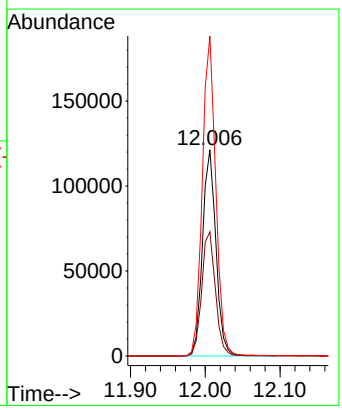




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047870.D
Acq: 29 Sep 2025 09:48

Tgt Ion:152 Resp: 151711

Ion	Ratio	Lower	Upper
152	100		
115	61.5	44.9	134.5
150	154.9	0.0	352.0



Sample Results: **VX047870.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047870.D
Acq On : 29 Sep 2025 09:48
Operator : JC/MD
Sample : VX0929WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Title : SW846 8260

Signal : TIC: VX047870.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.373	691	703	719	rBV2	101837	326757	34.40%	6.124%
2	5.538	720	730	758	rVB	147935	469081	49.39%	8.791%
3	5.946	784	797	817	rBV	107723	318695	33.56%	5.973%
4	6.745	919	928	952	rBV	280107	726139	76.46%	13.609%
5	8.635	1231	1238	1257	rBV	561498	919369	96.80%	17.230%
6	10.037	1462	1468	1487	rBV	668307	949755	100.00%	17.799%
7	11.067	1631	1637	1651	rBV	481760	674067	70.97%	12.633%
8	12.006	1785	1791	1805	rBV	728856	939809	98.95%	17.613%
9	15.670	2387	2392	2399	rBV8	5258	12202	1.28%	0.229%

Sum of corrected areas: 5335874

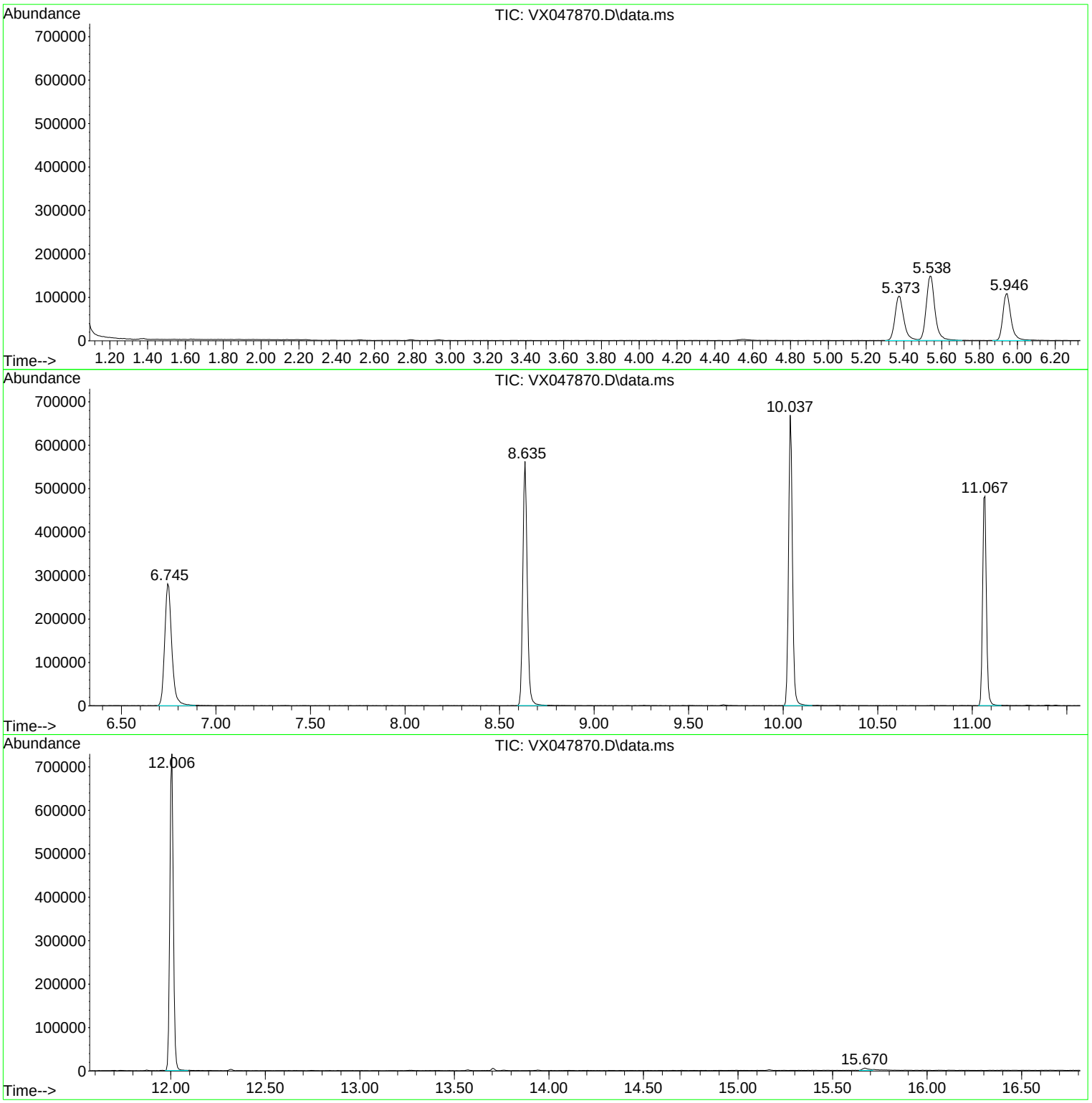
Sample Results: **VX047870.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047870.D
Acq On : 29 Sep 2025 09:48
Operator : JC/MD
Sample : VX0929WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX047870.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047870.D
Acq On : 29 Sep 2025 09:48
Operator : JC/MD
Sample : VX0929WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047870.D
Acq On : 29 Sep 2025 09:48
Operator : JC/MD
Sample : VX0929WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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: **VX047898.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0930WBL01	SDG No.:	Q3213
Lab Sample ID:	VX0930WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047898.D	1	09/30/25 10:09	VX093025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Raw Data: **VX047898.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0930WBL01	SDG No.:	Q3213
Lab Sample ID:	VX0930WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047898.D	1	09/30/25 10:09	VX093025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.7		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	48.8		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.0		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	126000	5.544				
540-36-3	1,4-Difluorobenzene	254000	6.751				
3114-55-4	Chlorobenzene-d5	265000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	133000	12.006				

Raw Data: **VX047898.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0930WBL01	SDG No.:	Q3213
Lab Sample ID:	VX0930WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047898.D	1	09/30/25 10:09	VX093025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047898.D
Acq On : 30 Sep 2025 10:09
Operator : JC/MD
Sample : VX0930WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBL01

Quant Time: Oct 01 01:04:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	126165	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	254131	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	265110	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	133087	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	105807	52.687	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.380%			
35) Dibromofluoromethane	5.373	113	85829	50.359	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.720%			
50) Toluene-d8	8.635	98	287739	48.791	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.580%			
62) 4-Bromofluorobenzene	11.061	95	125441	56.047	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.100%			

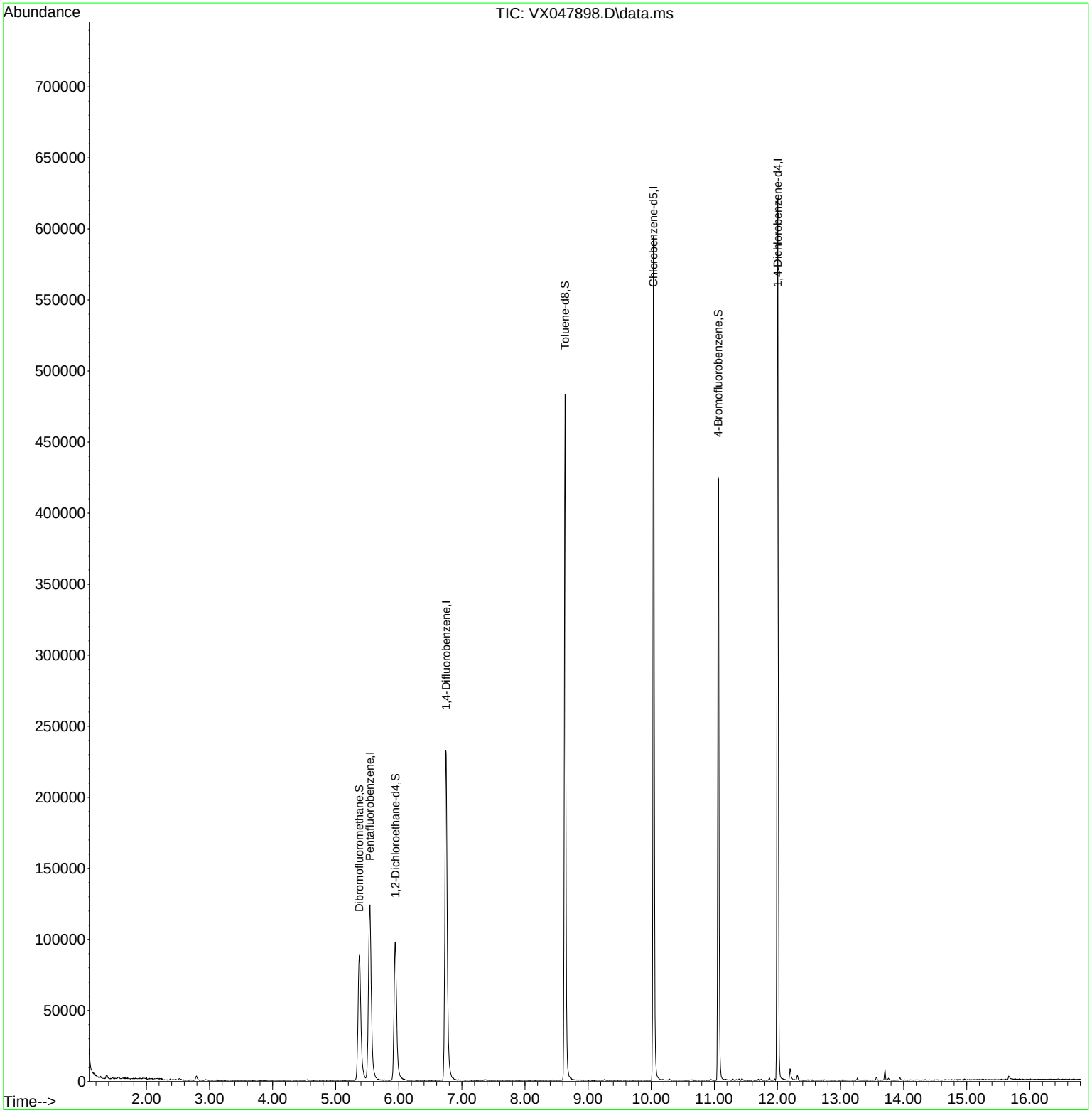
Target Compounds Qvalue

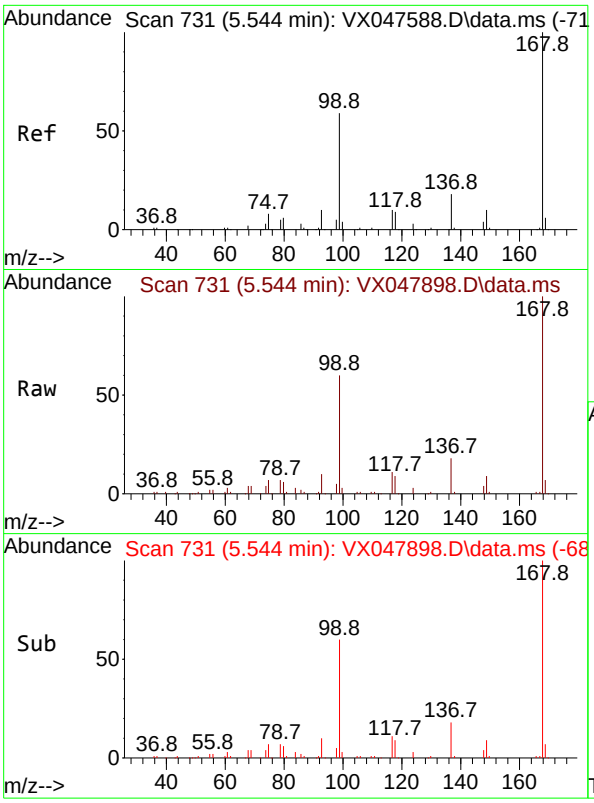
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047898.D
Acq On : 30 Sep 2025 10:09
Operator : JC/MD
Sample : VX0930WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBL01

Quant Time: Oct 01 01:04:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



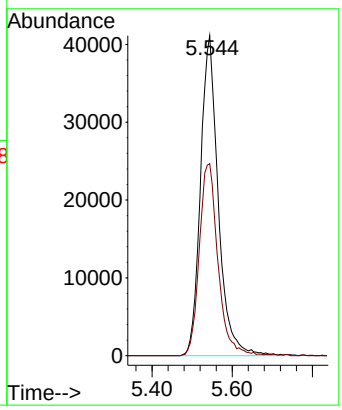


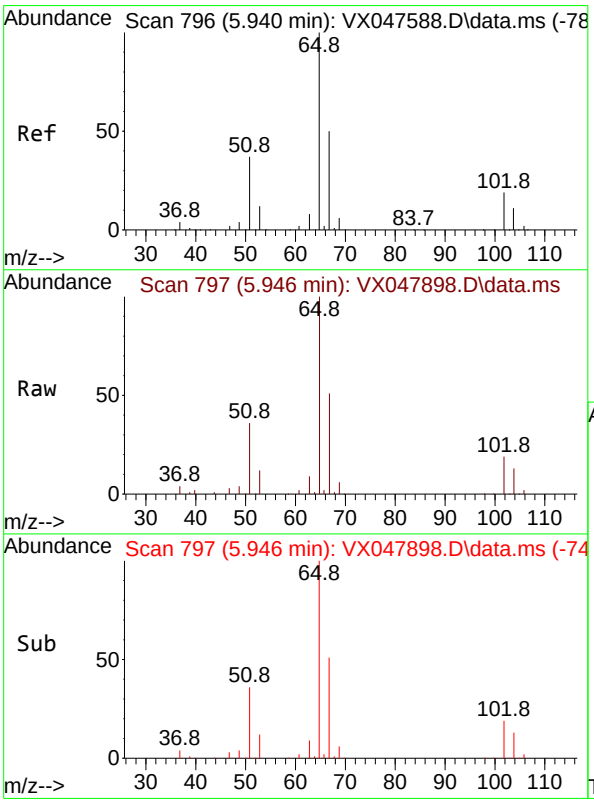
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047898.D
Acq: 30 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBL01

Tgt Ion:168 Resp: 126165

Ion	Ratio	Lower	Upper
168	100		
99	60.0	48.8	73.2

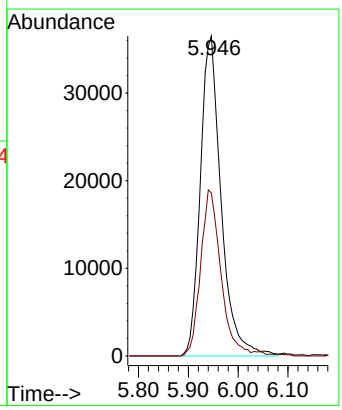


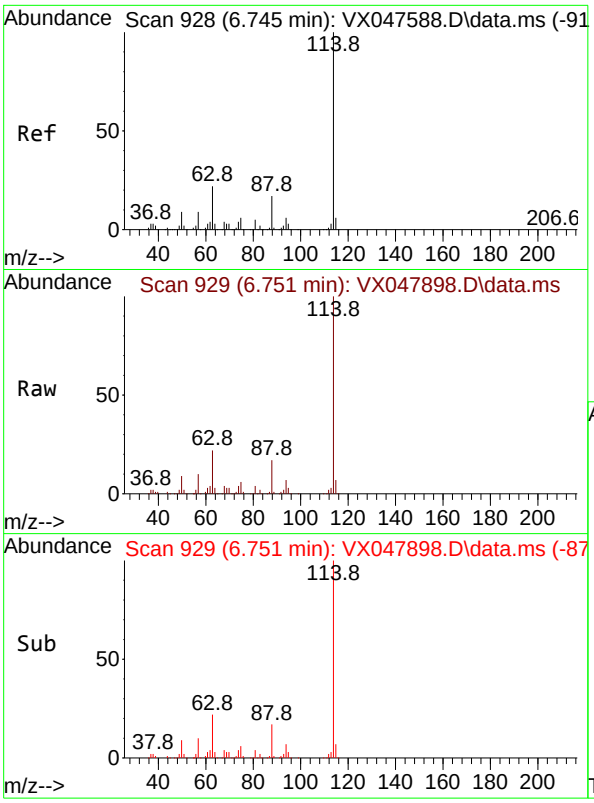


#33
1,2-Dichloroethane-d4
Concen: 52.687 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047898.D
Acq: 30 Sep 2025 10:09

Tgt Ion: 65 Resp: 105807

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	103.0



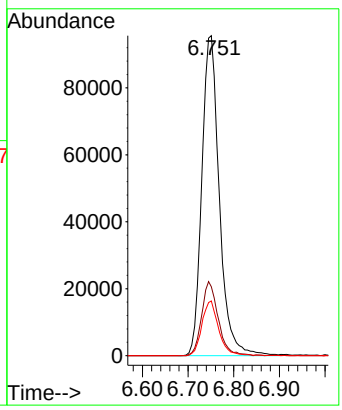


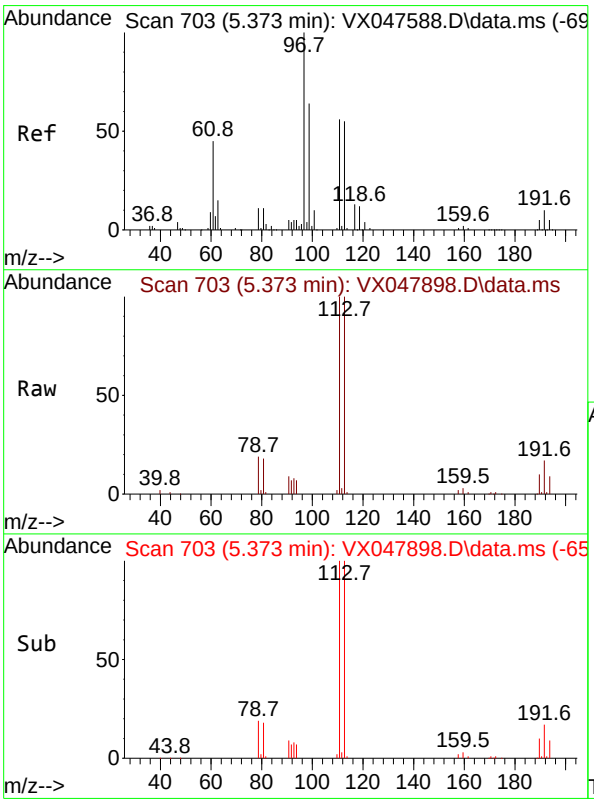
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047898.D
Acq: 30 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBL01

Tgt Ion:114 Resp: 254131

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	44.0
88	17.1	0.0	34.2

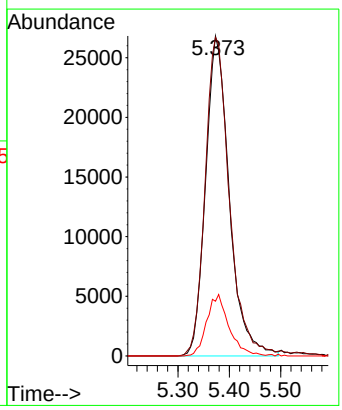


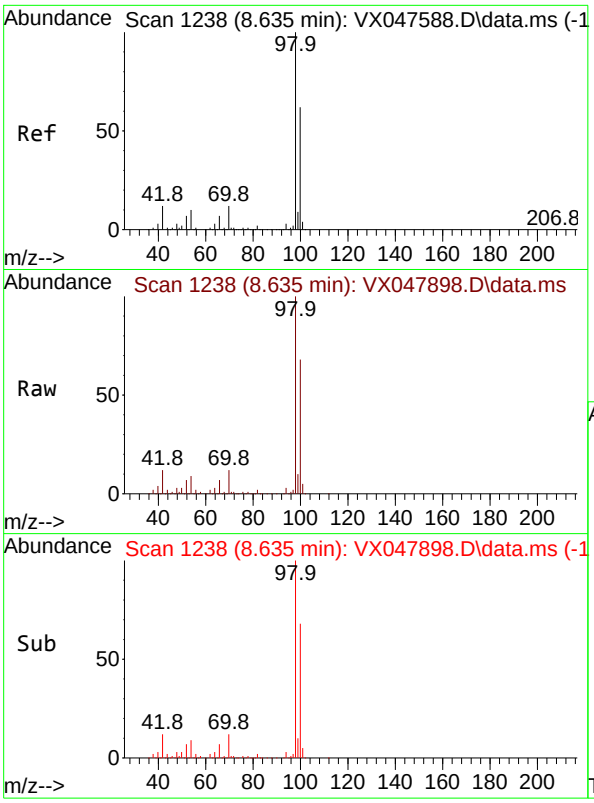


#35
Dibromofluoromethane
Concen: 50.359 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047898.D
Acq: 30 Sep 2025 10:09

Tgt Ion:113 Resp: 85829

Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.9	121.3
192	18.0	14.2	21.4



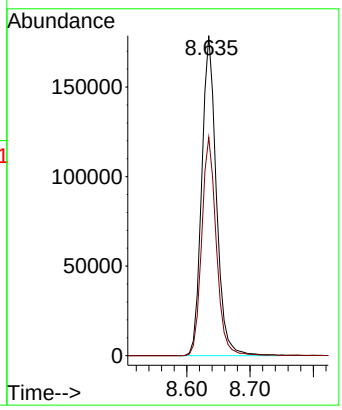


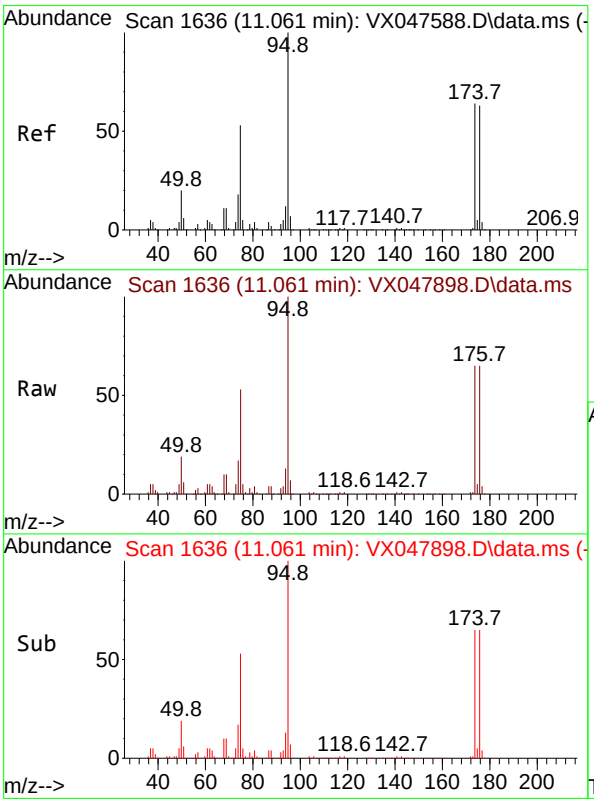
#50
Toluene-d8
Concen: 48.791 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047898.D
Acq: 30 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBL01

Tgt Ion: 98 Resp: 287739

Ion	Ratio	Lower	Upper
98	100		
100	67.9	53.0	79.4

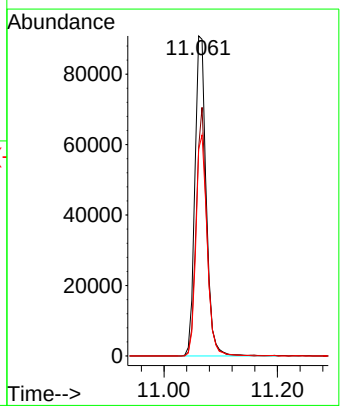


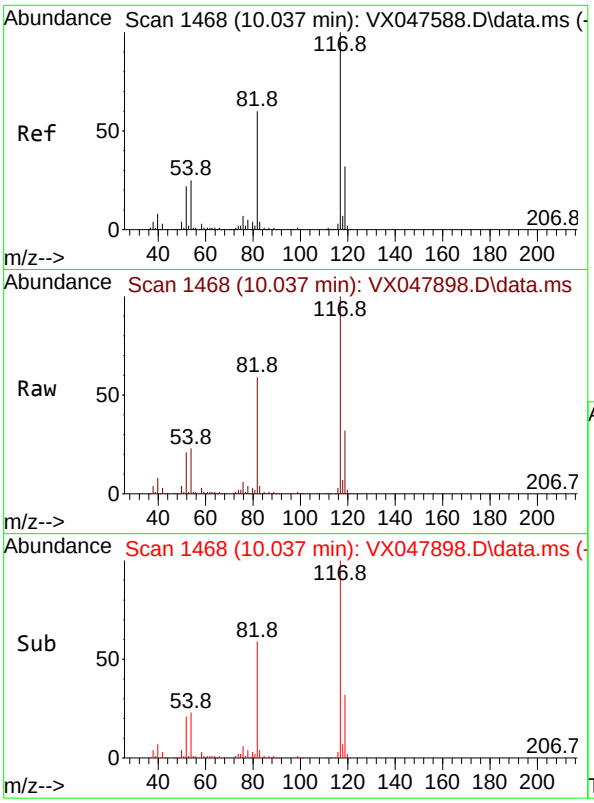


#62
4-Bromofluorobenzene
Concen: 56.047 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047898.D
Acq: 30 Sep 2025 10:09

Tgt Ion: 95 Resp: 125441

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	141.6
176	68.4	0.0	138.4



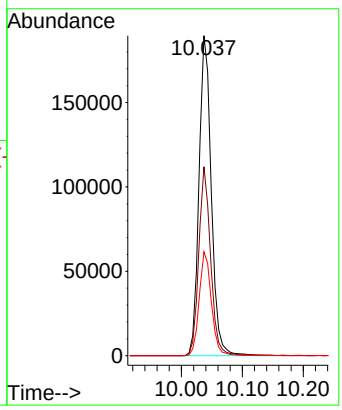


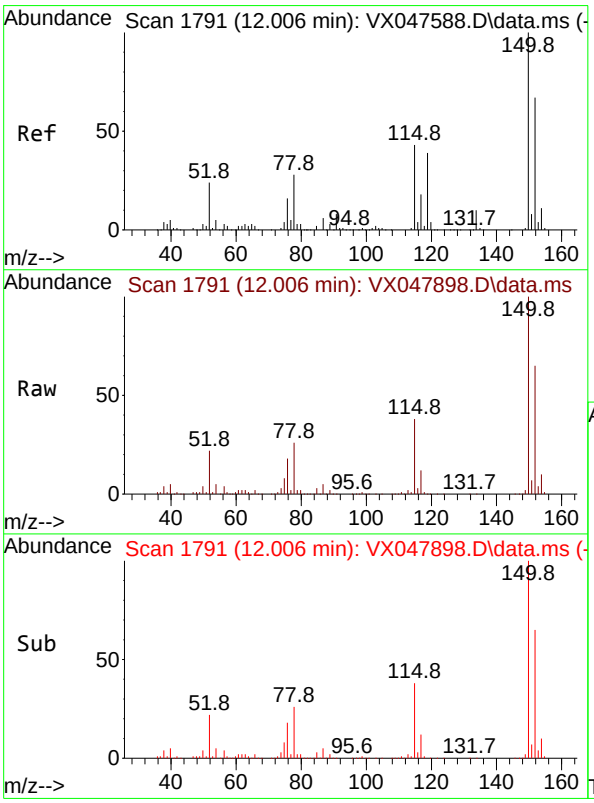
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047898.D
Acq: 30 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBL01

Tgt Ion:117 Resp: 265110

Ion	Ratio	Lower	Upper
117	100		
82	59.1	47.8	71.6
119	32.5	25.2	37.8

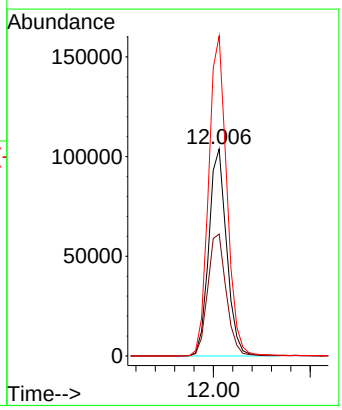




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047898.D
Acq: 30 Sep 2025 10:09

Tgt Ion:152 Resp: 133087

Ion	Ratio	Lower	Upper
152	100		
115	61.6	44.9	134.5
150	158.0	0.0	352.0



Sample Results: **VX047898.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047898.D
Acq On : 30 Sep 2025 10:09
Operator : JC/MD
Sample : VX0930WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Title : SW846 8260

Signal : TIC: VX047898.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.373	689	703	719	rBV4	87400	281366	33.58%	6.094%
2	5.544	721	731	747	rVB	122028	376899	44.99%	8.163%
3	5.946	785	797	817	rBV2	97267	285808	34.11%	6.190%
4	6.745	919	928	950	rBV	232345	610961	72.93%	13.233%
5	8.635	1230	1238	1253	rBV	482797	785584	93.77%	17.015%
6	10.037	1462	1468	1488	rVB	593946	826484	98.65%	17.900%
7	11.067	1631	1637	1653	rBV	423027	591182	70.56%	12.804%
8	12.006	1785	1791	1807	rBV	620540	837790	100.00%	18.145%
9	12.201	1819	1823	1832	rBV3	7747	12571	1.50%	0.272%
10	13.707	2063	2070	2075	rBV5	6851	8478	1.01%	0.184%

Sum of corrected areas: 4617123

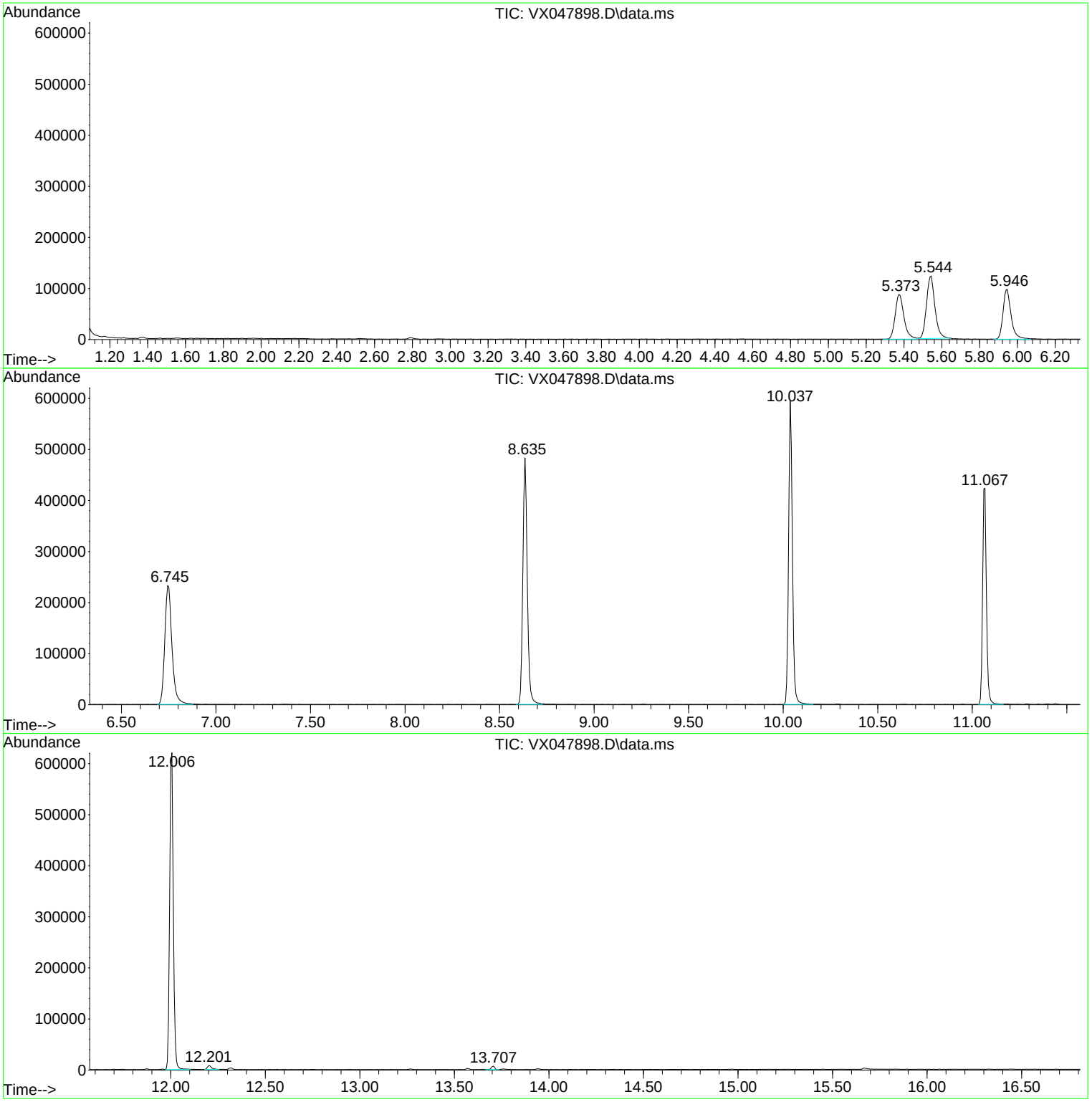
Sample Results: **VX047898.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047898.D
Acq On : 30 Sep 2025 10:09
Operator : JC/MD
Sample : VX0930WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX047898.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047898.D
Acq On : 30 Sep 2025 10:09
Operator : JC/MD
Sample : VX0930WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047898.D
Acq On : 30 Sep 2025 10:09
Operator : JC/MD
Sample : VX0930WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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: **VX047871.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0929WBS01	SDG No.:	Q3213
Lab Sample ID:	VX0929WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047871.D	1	09/29/25 10:44	VX092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	22.3		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	18.8		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	20.3		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	22.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	19.7		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.4		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.2		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.9		0.23	0.75	1.00	ug/L
67-64-1	Acetone	99.4		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	19.5		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.3		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	21.4		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	19.5		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.1		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.9		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	19.5		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	100		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.6		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.7		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	18.3		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	20.5		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.3		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	20.2		0.16	0.50	1.00	ug/L
71-43-2	Benzene	20.4		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.8		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	20.6		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.8		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	20.6		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	2.50	5.00	ug/L
108-88-3	Toluene	20.8		0.14	0.50	1.00	ug/L

Raw Data: **VX047871.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0929WBS01	SDG No.:	Q3213
Lab Sample ID:	VX0929WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047871.D	1	09/29/25 10:44	VX092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.8		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.0		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.4		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	21.6		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.6		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	21.0		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	20.2		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.6		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	41.0		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	20.2		0.12	0.50	1.00	ug/L
100-42-5	Styrene	20.0		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	21.7		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	19.2		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.6		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.8		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.4		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.8		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.8		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.6		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.3		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.8		81 - 118		98%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	52.3		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.9		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	166000	5.538				
540-36-3	1,4-Difluorobenzene	287000	6.745				
3114-55-4	Chlorobenzene-d5	261000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	131000	12.006				

Raw Data: **VX047871.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0929WBS01	SDG No.:	Q3213
Lab Sample ID:	VX0929WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047871.D	1	09/29/25 10:44	VX092925

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: **VX047871.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047871.D
Acq On : 29 Sep 2025 10:44
Operator : JC/MD
Sample : VX0929WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 30 01:15:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	165805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	286774	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	261167	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	131097	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	128757	48.786	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 97.580%			
35) Dibromofluoromethane	5.367	113	101652	52.854	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.700%			
50) Toluene-d8	8.635	98	348270	52.333	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.660%			
62) 4-Bromofluorobenzene	11.061	95	133538	52.873	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.740%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	38206	22.252	ug/l	98
3) Chloromethane	1.301	50	42517	18.842	ug/l	100
4) Vinyl Chloride	1.380	62	44949	20.349	ug/l	99
5) Bromomethane	1.618	94	30868	22.038	ug/l	97
6) Chloroethane	1.697	64	29082	19.699	ug/l	99
7) Trichlorofluoromethane	1.892	101	67065	20.448	ug/l	98
8) Diethyl Ether	2.136	74	25180	18.768	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	40663	21.203	ug/l	99
10) Methyl Iodide	2.453	142	47303	15.815	ug/l	99
11) Tert butyl alcohol	2.940	59	29747	101.202	ug/l	100
12) 1,1-Dichloroethene	2.325	96	39140	19.869	ug/l	96
13) Acrolein	2.239	56	22368	82.579	ug/l	100
14) Allyl chloride	2.666	41	76339	18.779	ug/l	96
15) Acrylonitrile	3.056	53	116222	106.747	ug/l	98
16) Acetone	2.373	43	114103	99.433	ug/l	96
17) Carbon Disulfide	2.514	76	105231	19.513	ug/l	98
18) Methyl Acetate	2.697	43	54570	21.368	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	138931	19.320	ug/l	99
20) Methylene Chloride	2.788	84	47306	19.475	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	42722	20.144	ug/l	95
22) Diisopropyl ether	3.751	45	154669	19.633	ug/l	94
23) Vinyl Acetate	3.709	43	615425	97.606	ug/l	100
24) 1,1-Dichloroethane	3.605	63	83142	19.856	ug/l	99
25) 2-Butanone	4.538	43	149550	104.478	ug/l	100
26) 2,2-Dichloropropane	4.465	77	69650	20.010	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	51151	19.693	ug/l	98
28) Bromochloromethane	4.885	49	33367	18.253	ug/l	97
29) Tetrahydrofuran	4.989	42	89682	104.148	ug/l	100
30) Chloroform	5.074	83	86708	20.492	ug/l	96
31) Cyclohexane	5.458	56	67846	19.454	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	72871	20.303	ug/l	99
36) 1,1-Dichloropropene	5.684	75	53336	18.978	ug/l	95
37) Ethyl Acetate	4.702	43	61726	20.513	ug/l	99
38) Carbon Tetrachloride	5.666	117	63005	20.634	ug/l	96
39) Methylcyclohexane	7.360	83	64393	20.185	ug/l	96
40) Benzene	6.019	78	173753	20.356	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047871.D
Acq On : 29 Sep 2025 10:44
Operator : JC/MD
Sample : VX0929WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 30 01:15:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.904	41	31411	20.220	ug/l		97
42) 1,2-Dichloroethane	6.068	62	64455	19.846	ug/l		98
43) Isopropyl Acetate	6.324	43	100186	20.301	ug/l		99
44) Trichloroethene	7.110	130	42469	20.580	ug/l		100
45) 1,2-Dichloropropane	7.415	63	45524	20.828	ug/l		97
46) Dibromomethane	7.568	93	32802	20.623	ug/l		97
47) Bromodichloromethane	7.805	83	67569	20.587	ug/l		97
48) Methyl methacrylate	7.677	41	48101	19.567	ug/l		96
49) 1,4-Dioxane	7.647	88	11700	470.960	ug/l		92
51) 4-Methyl-2-Pentanone	8.555	43	304782	111.388	ug/l		99
52) Toluene	8.702	92	109163	20.758	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	66237	19.785	ug/l		94
54) cis-1,3-Dichloropropene	8.348	75	71660	20.026	ug/l		99
55) 1,1,2-Trichloroethane	9.134	97	43475	21.440	ug/l		99
56) Ethyl methacrylate	9.098	69	64963	20.399	ug/l		96
57) 1,3-Dichloropropane	9.293	76	73896	21.214	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.226	63	144323	101.895	ug/l		99
59) 2-Hexanone	9.415	43	217848	110.855	ug/l		99
60) Dibromochloromethane	9.506	129	50383	21.564	ug/l		100
61) 1,2-Dibromoethane	9.592	107	44579	21.584	ug/l		99
64) Tetrachloroethene	9.256	164	35678	20.956	ug/l		95
65) Chlorobenzene	10.061	112	120014	20.227	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.146	131	42740	20.875	ug/l		99
67) Ethyl Benzene	10.177	91	201086	19.642	ug/l		99
68) m/p-Xylenes	10.287	106	156280	41.014	ug/l		98
69) o-Xylene	10.622	106	74514	20.218	ug/l		97
70) Styrene	10.640	104	128890	19.959	ug/l		98
71) Bromoform	10.781	173	33237	21.741	ug/l	#	98
73) Isopropylbenzene	10.945	105	191306	19.194	ug/l		99
74) N-amyl acetate	10.829	43	85668	18.849	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.195	83	61986	20.556	ug/l		98
76) 1,2,3-Trichloropropane	11.219	75	48660m	18.332	ug/l		
77) Bromobenzene	11.183	156	47755	19.454	ug/l		97
78) n-propylbenzene	11.287	91	231248	19.627	ug/l		99
79) 2-Chlorotoluene	11.347	91	140564	19.479	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	162726	19.872	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	19157	18.405	ug/l		99
82) 4-Chlorotoluene	11.439	91	165459	19.414	ug/l		98
83) tert-Butylbenzene	11.695	119	163354	19.487	ug/l		98
84) 1,2,4-Trimethylbenzene	11.732	105	161571	19.462	ug/l		100
85) sec-Butylbenzene	11.872	105	198132	19.899	ug/l		100
86) p-Isopropyltoluene	11.994	119	167264	19.843	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	90228	19.789	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	90782	19.399	ug/l		98
89) n-Butylbenzene	12.317	91	156039	20.006	ug/l		99
90) Hexachloroethane	12.518	117	29376	19.849	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	86030	19.805	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	12094	19.809	ug/l		95
93) 1,2,4-Trichlorobenzene	13.567	180	52503	18.597	ug/l		97
94) Hexachlorobutadiene	13.701	225	19133	19.953	ug/l		99
95) Naphthalene	13.756	128	160918	18.719	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	50611	19.272	ug/l		99

Sample Results: **VX047871.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047871.D
Acq On : 29 Sep 2025 10:44
Operator : JC/MD
Sample : VX0929WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

Quant Time: Sep 30 01:15:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

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

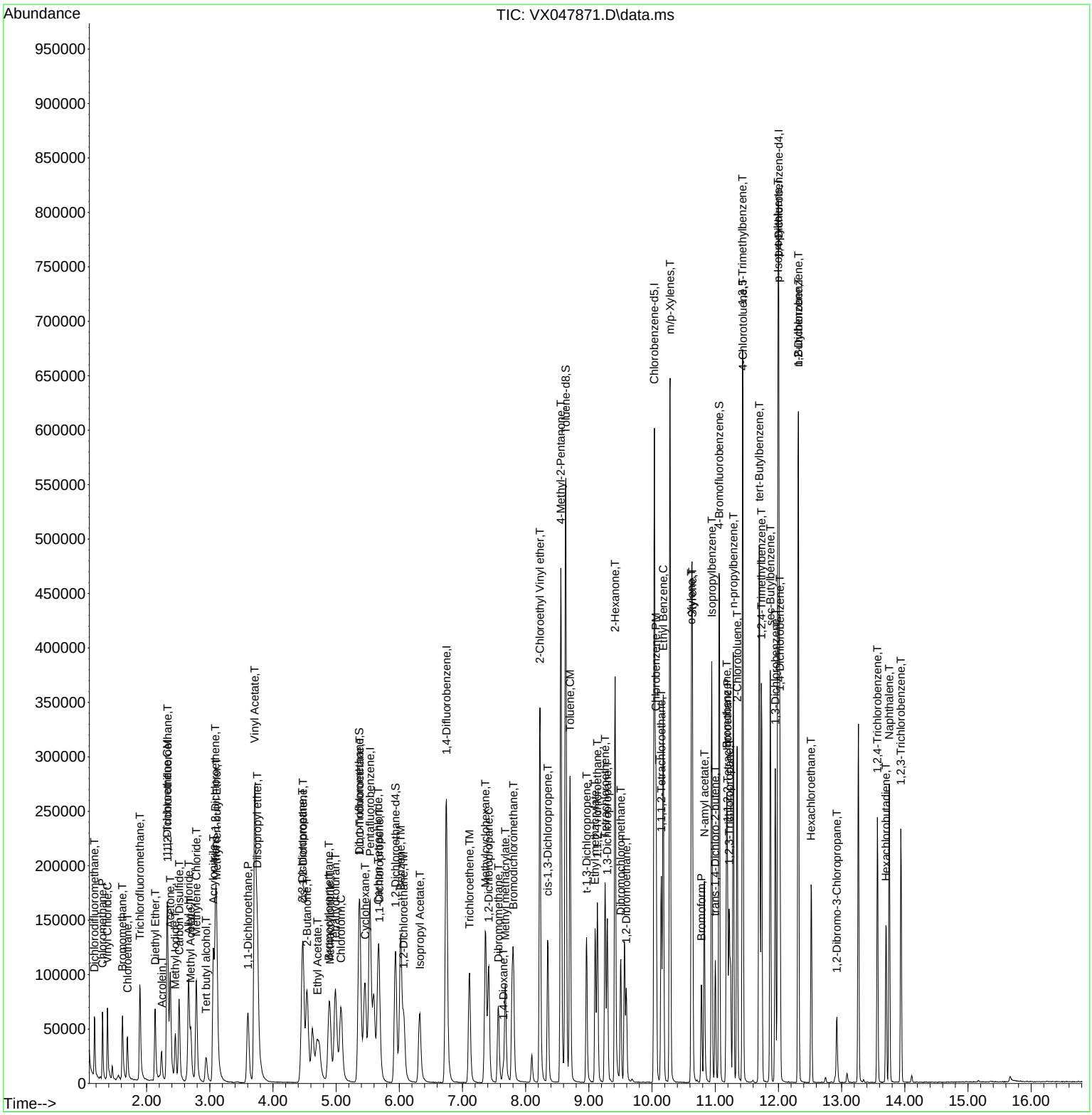
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047871.D
Acq On : 29 Sep 2025 10:44
Operator : JC/MD
Sample : VX0929WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

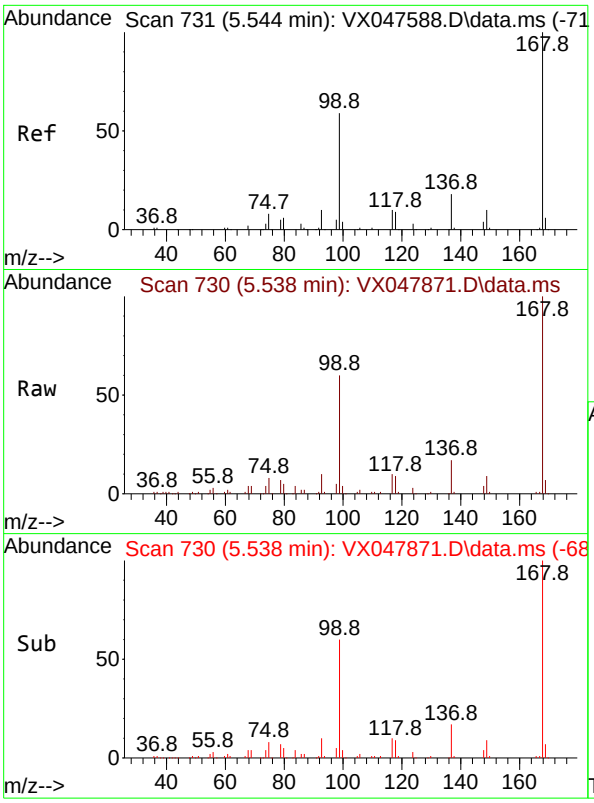
Quant Time: Sep 30 01:15:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

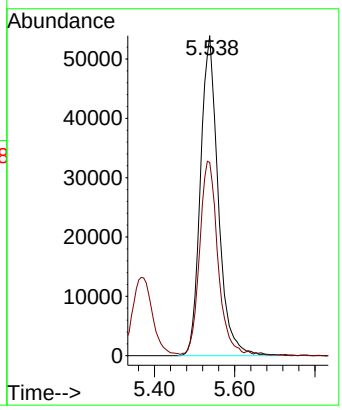




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:168 Resp: 16580

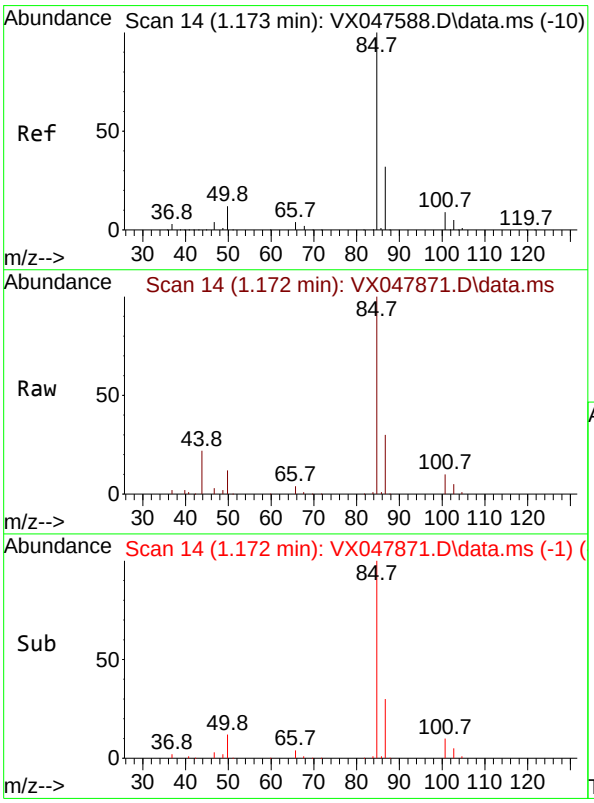
Ion	Ratio	Lower	Upper
168	100		
99	60.2	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

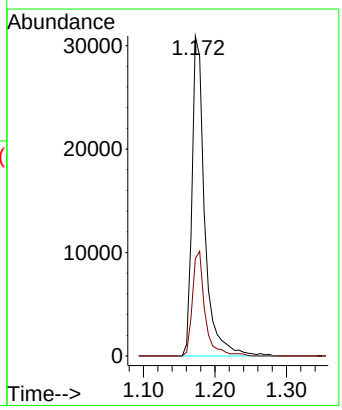
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

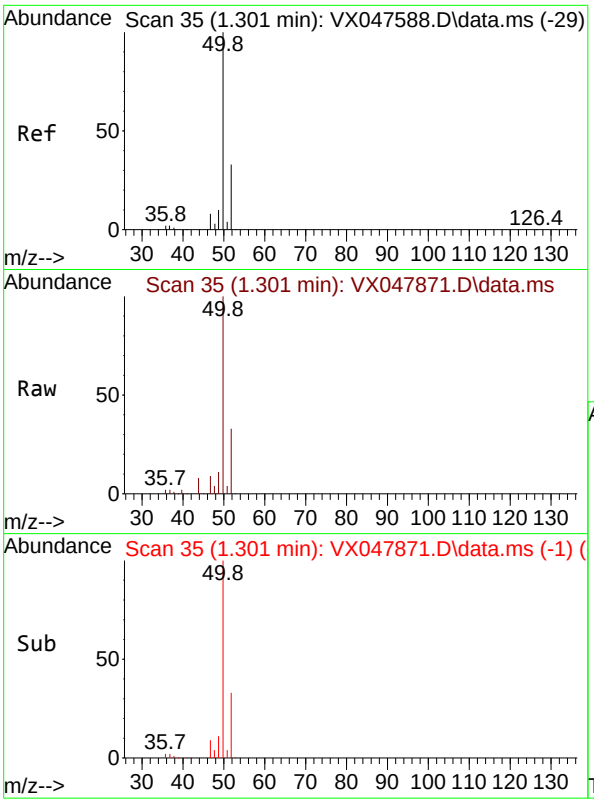


#2
Dichlorodifluoromethane
Concen: 22.252 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 85 Resp: 38206

Ion	Ratio	Lower	Upper
85	100		
87	30.4	15.8	47.3

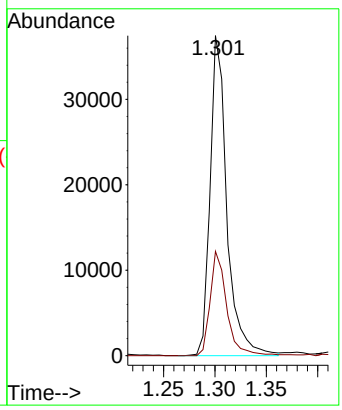




#3
Chloromethane
Concen: 18.842 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 50 Resp: 4251

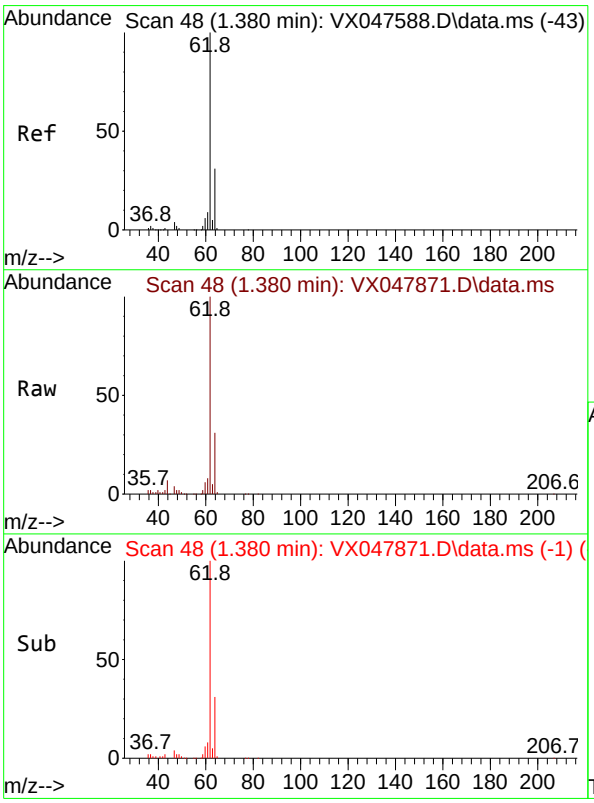
Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

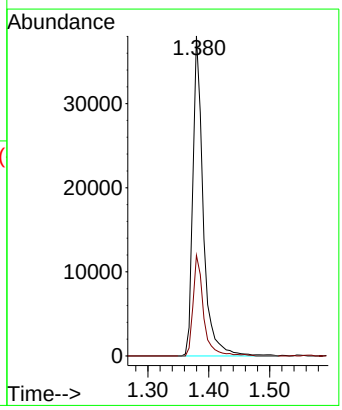
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

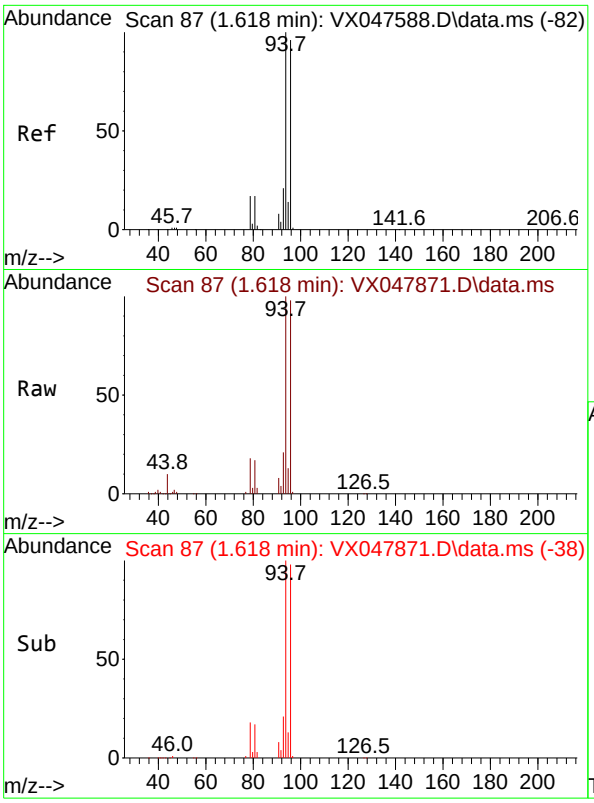


#4
Vinyl Chloride
Concen: 20.349 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 62 Resp: 44949

Ion	Ratio	Lower	Upper
62	100		
64	31.5	24.9	37.3

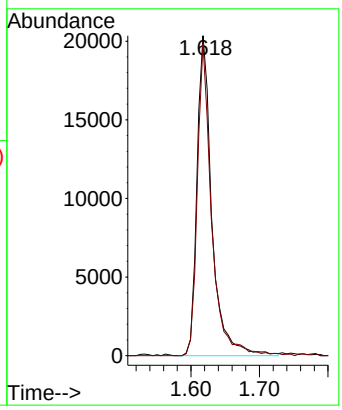




#5
Bromomethane
Concen: 22.038 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 94 Resp: 3086

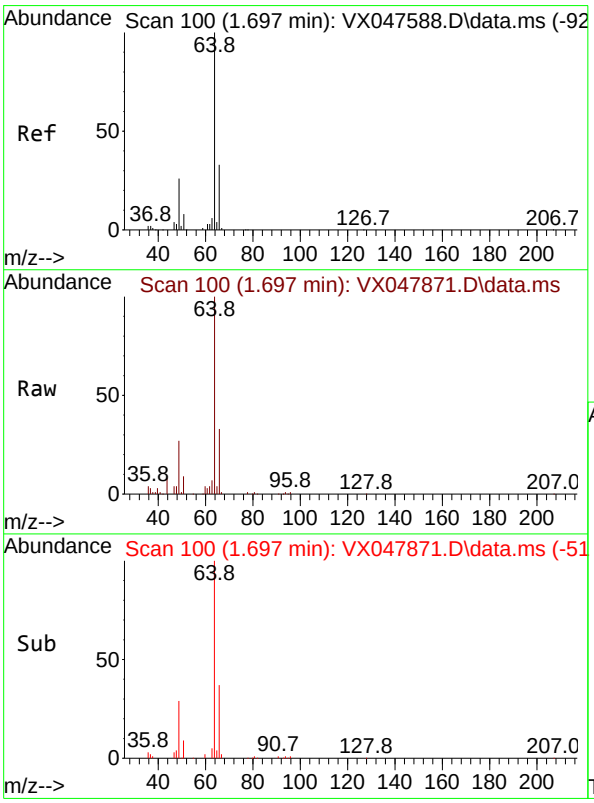
Ion	Ratio	Lower	Upper
94	100		
96	98.7	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

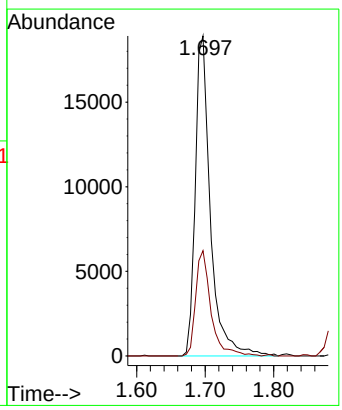
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

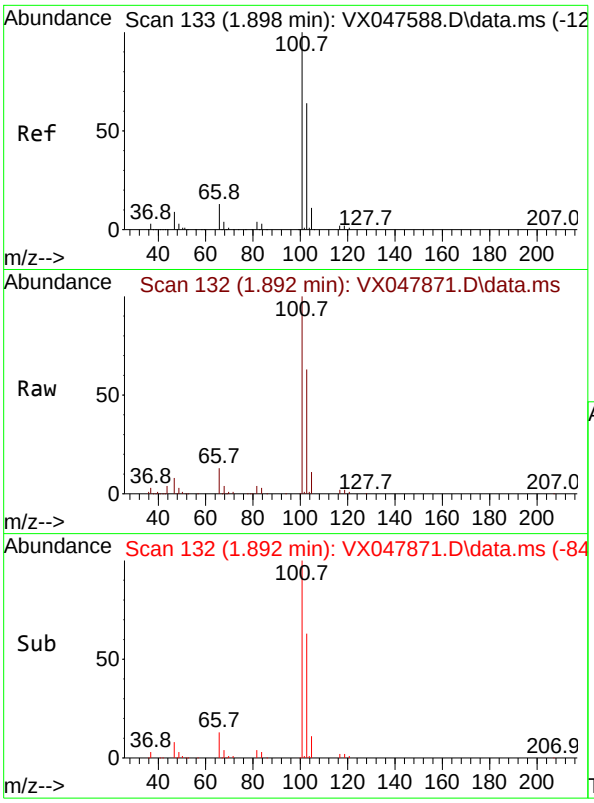


#6
Chloroethane
Concen: 19.699 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 64 Resp: 29082

Ion	Ratio	Lower	Upper
64	100		
66	32.9	26.1	39.1





#7
Trichlorofluoromethane
Concen: 20.448 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

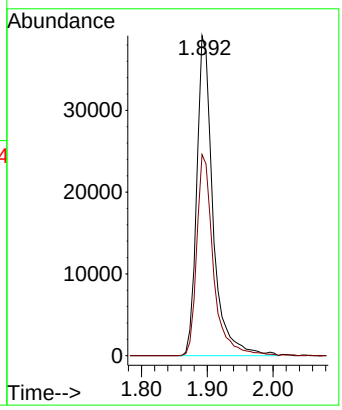
Tgt Ion:101 Resp: 6706

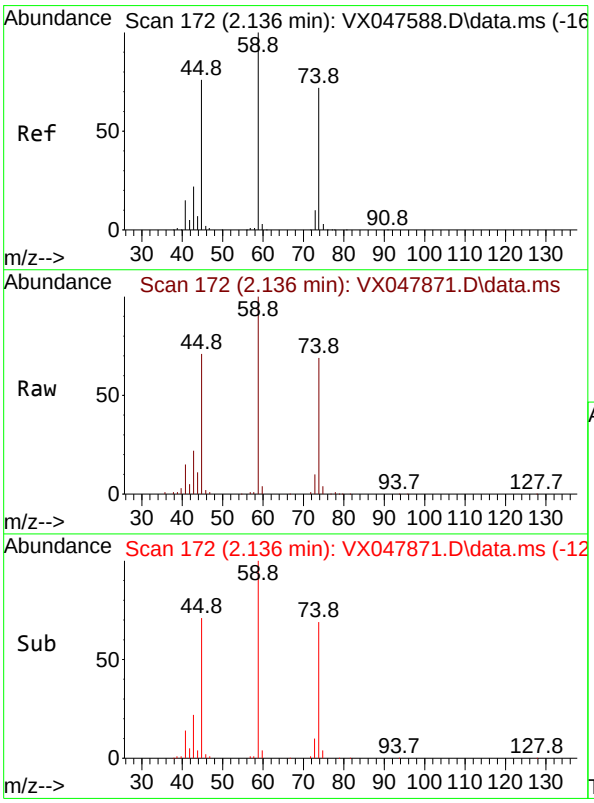
Ion	Ratio	Lower	Upper
101	100		
103	62.9	51.4	77.2

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

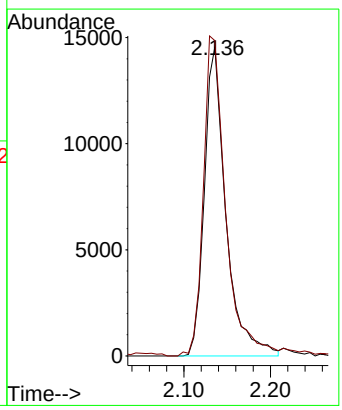


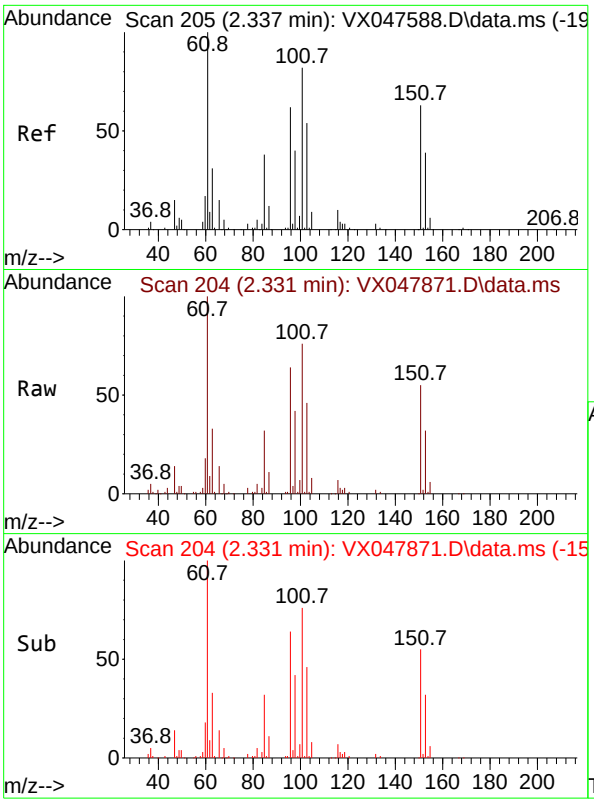


#8
Diethyl Ether
Concen: 18.768 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 74 Resp: 25180

Ion	Ratio	Lower	Upper
74	100		
45	106.4	52.3	156.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.203 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

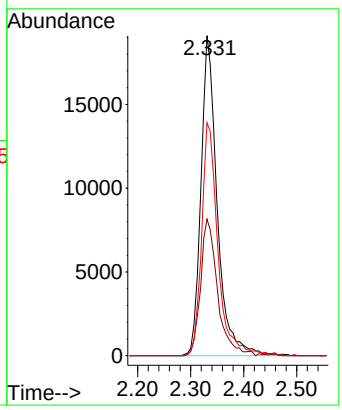
Tgt Ion:101 Resp: 4066

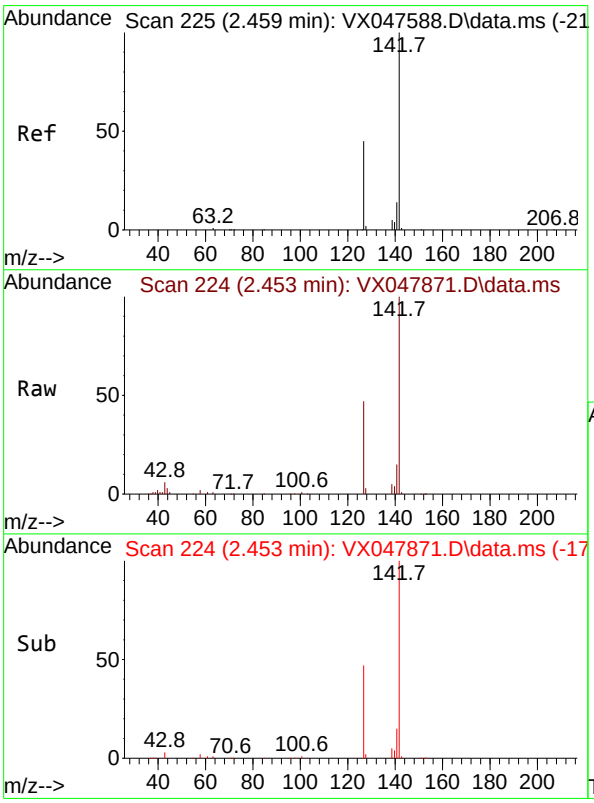
Ion	Ratio	Lower	Upper
101	100		
85	44.8	35.5	53.3
151	73.0	59.4	89.0

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

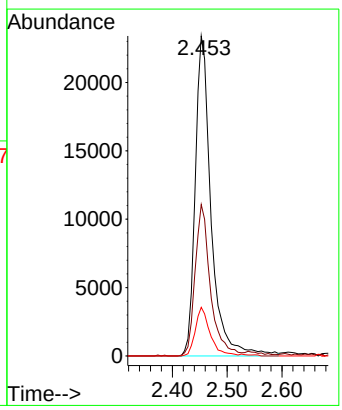


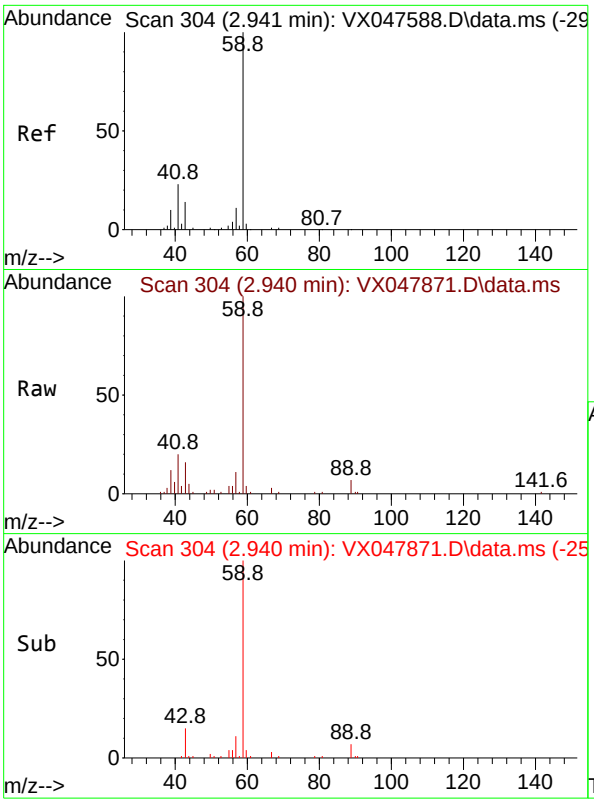


#10
Methyl Iodide
Concen: 15.815 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:142 Resp: 47303

Ion	Ratio	Lower	Upper
142	100		
127	45.5	37.2	55.8
141	14.1	11.4	17.0

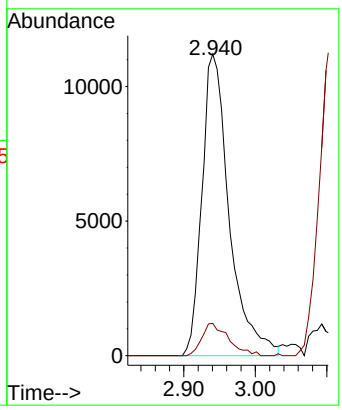




#11
Tert butyl alcohol
Concen: 101.202 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 59 Resp: 2974

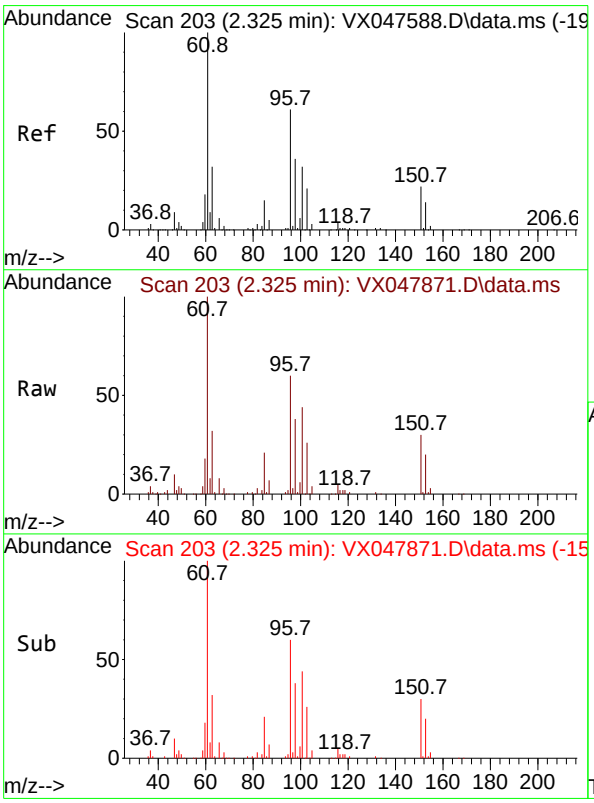
Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

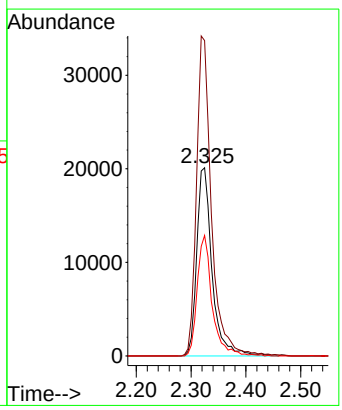
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

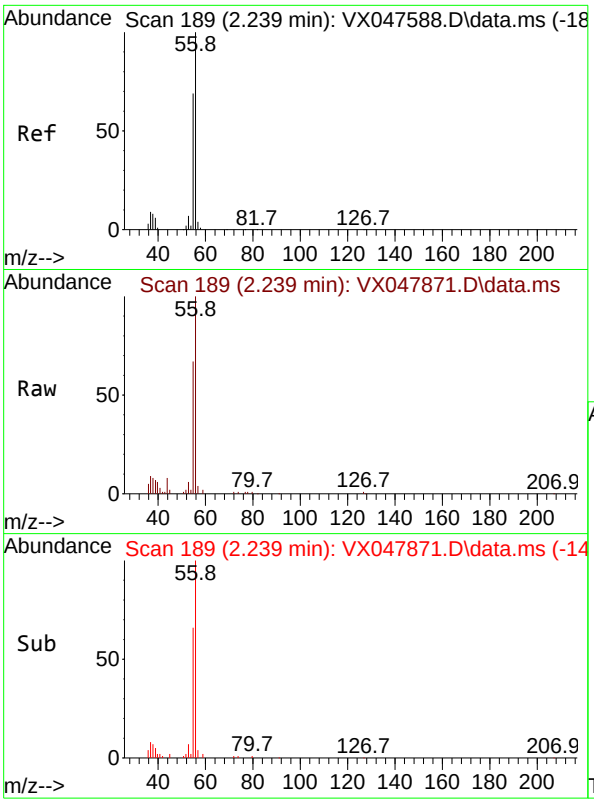


#12
1,1-Dichloroethene
Concen: 19.869 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 96 Resp: 39140

Ion	Ratio	Lower	Upper
96	100		
61	167.6	131.0	196.6
98	64.1	47.7	71.5

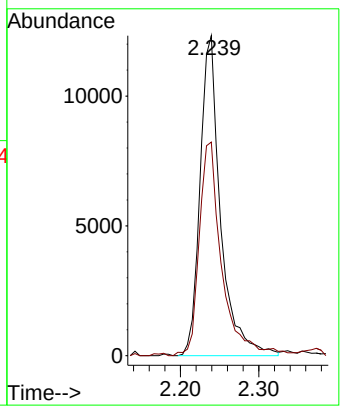




#13
Acrolein
Concen: 82.579 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 56 Resp: 2236

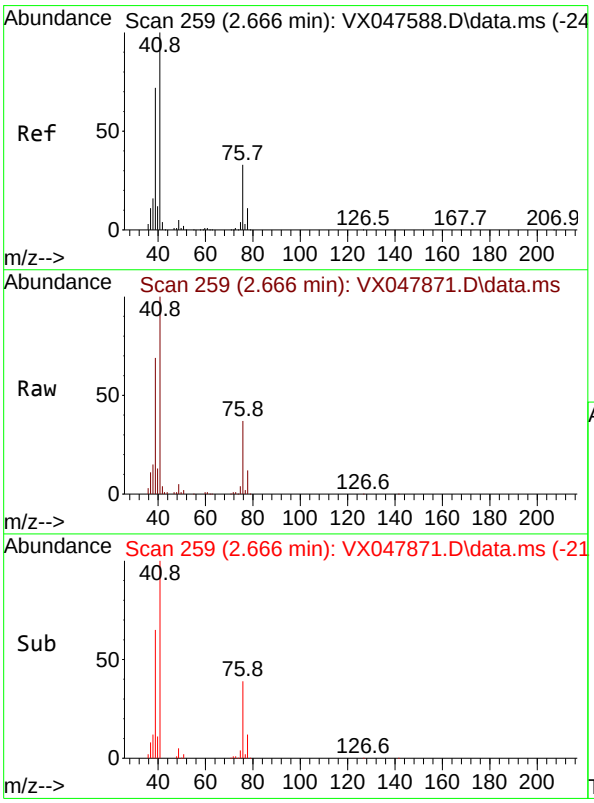
Ion	Ratio	Lower	Upper
56	100		
55	71.6	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

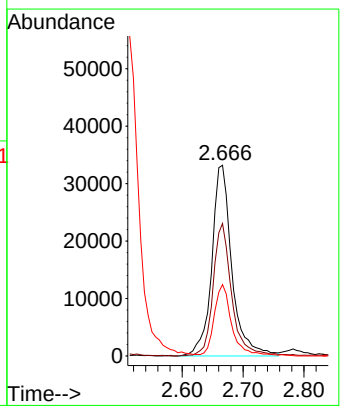
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

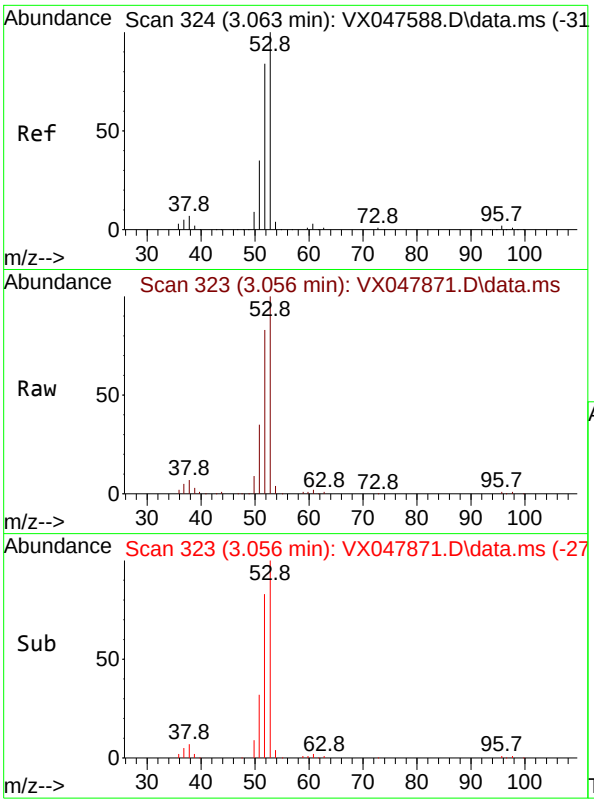


#14
Allyl chloride
Concen: 18.779 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 41 Resp: 76339

Ion	Ratio	Lower	Upper
41	100		
39	64.5	54.7	82.1
76	31.6	25.7	38.5

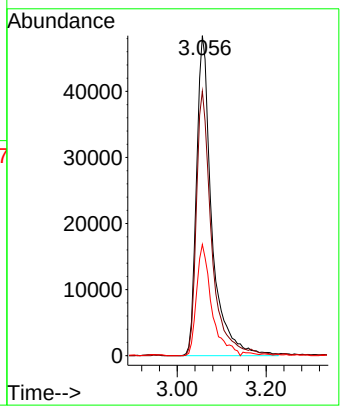




#15
Acrylonitrile
Concen: 106.747 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 53 Resp: 11622

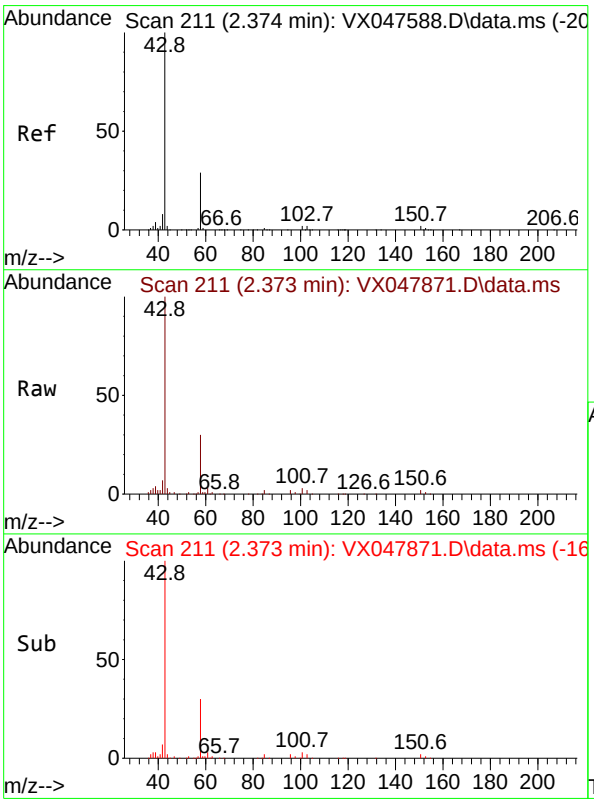
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.4	99.6
51	34.4	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

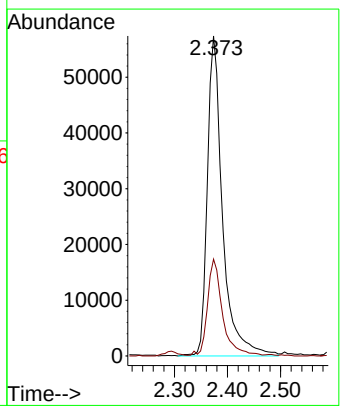
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

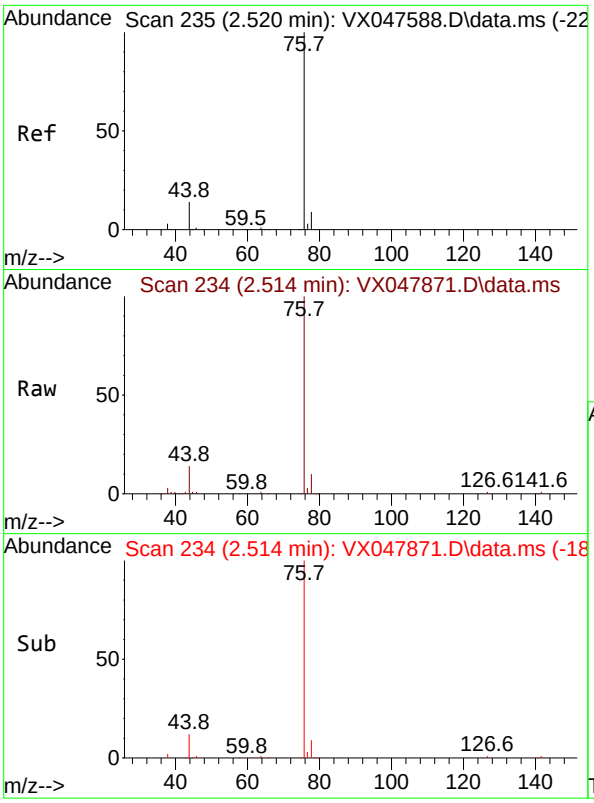


#16
Acetone
Concen: 99.433 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 43 Resp: 114103

Ion	Ratio	Lower	Upper
43	100		
58	31.2	23.4	35.0





#17
Carbon Disulfide
Concen: 19.513 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

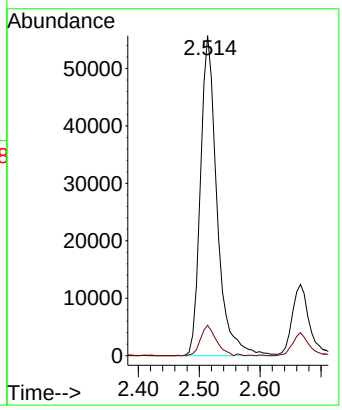
Tgt Ion: 76 Resp: 10523

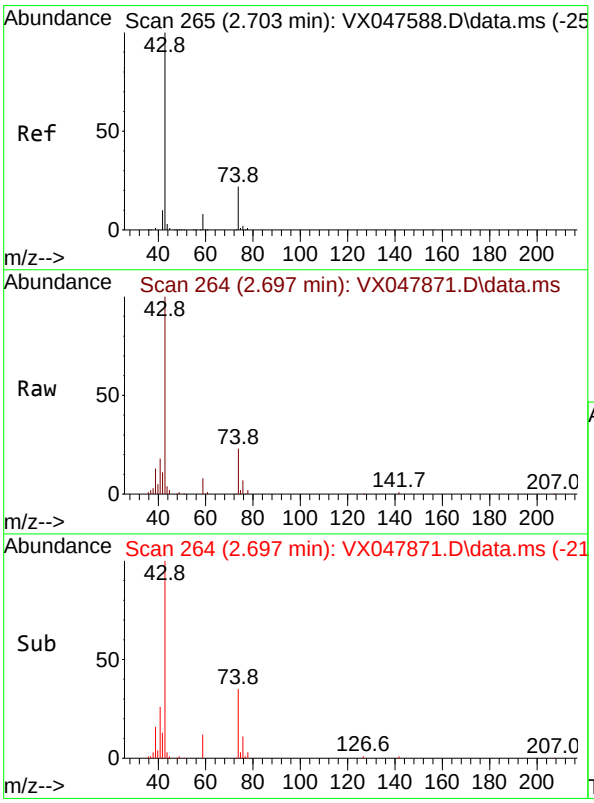
Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.8	10.2

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

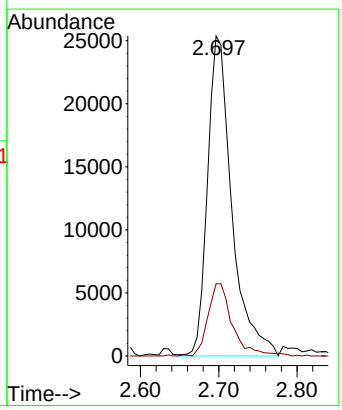


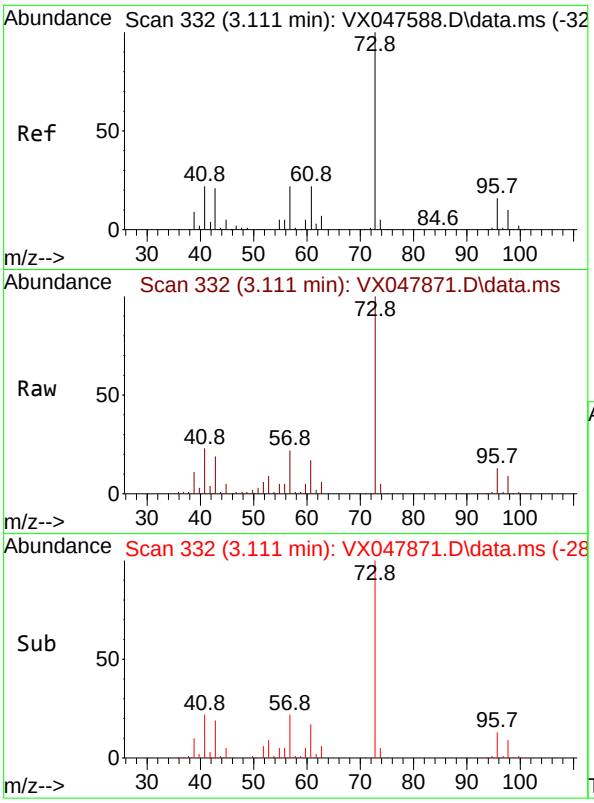


#18
Methyl Acetate
Concen: 21.368 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 43 Resp: 54570

Ion	Ratio	Lower	Upper
43	100		
74	22.8	17.4	26.2





#19
Methyl tert-butyl Ether
Concen: 19.320 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

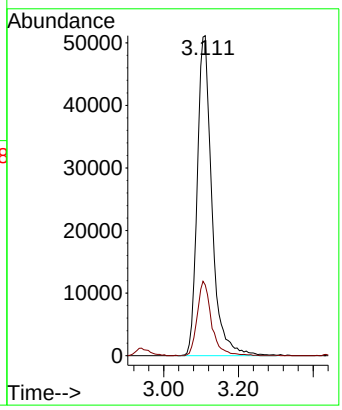
Tgt Ion: 73 Resp: 13893

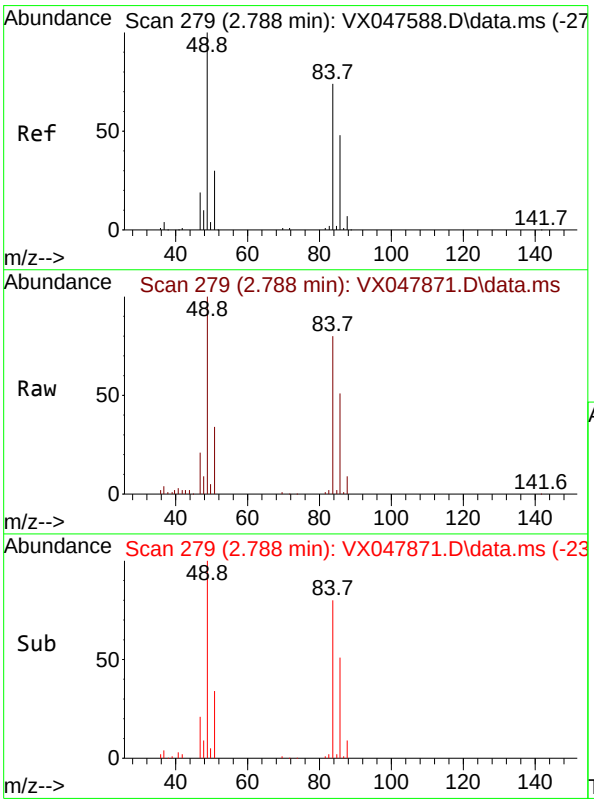
Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.4	26.2

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

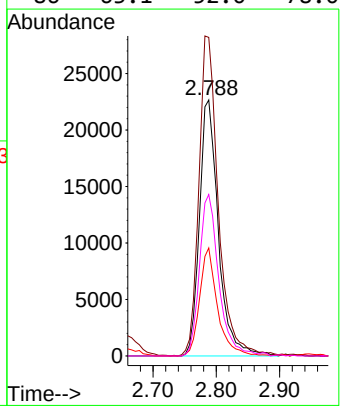


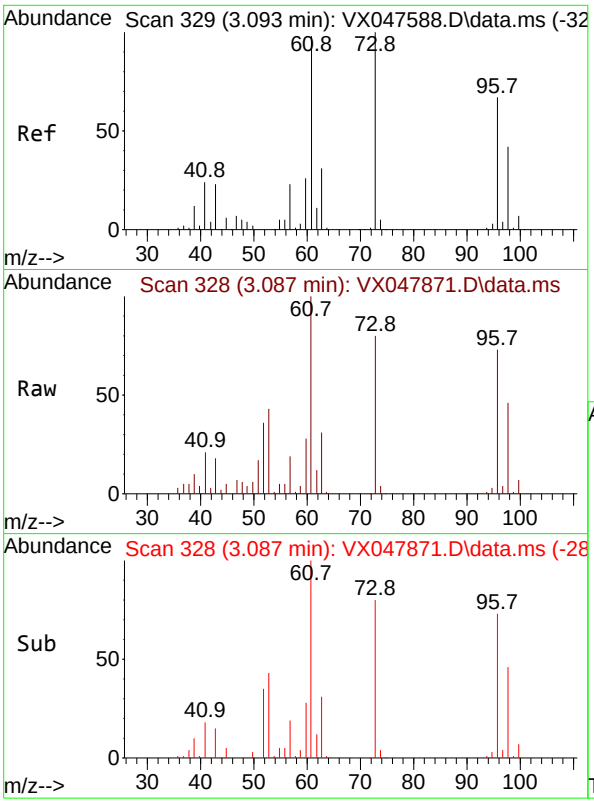


#20
Methylene Chloride
Concen: 19.475 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 84 Resp: 47306

Ion	Ratio	Lower	Upper
84	100		
49	124.5	108.6	162.8
51	42.2	32.6	48.8
86	63.1	52.0	78.0

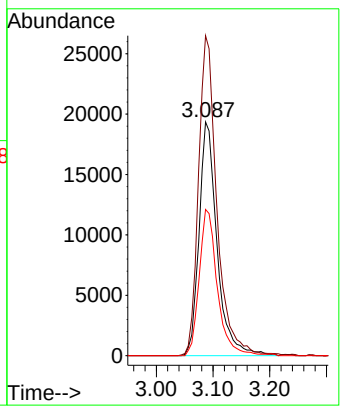




#21
trans-1,2-Dichloroethene
Concen: 20.144 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 96 Resp: 4272

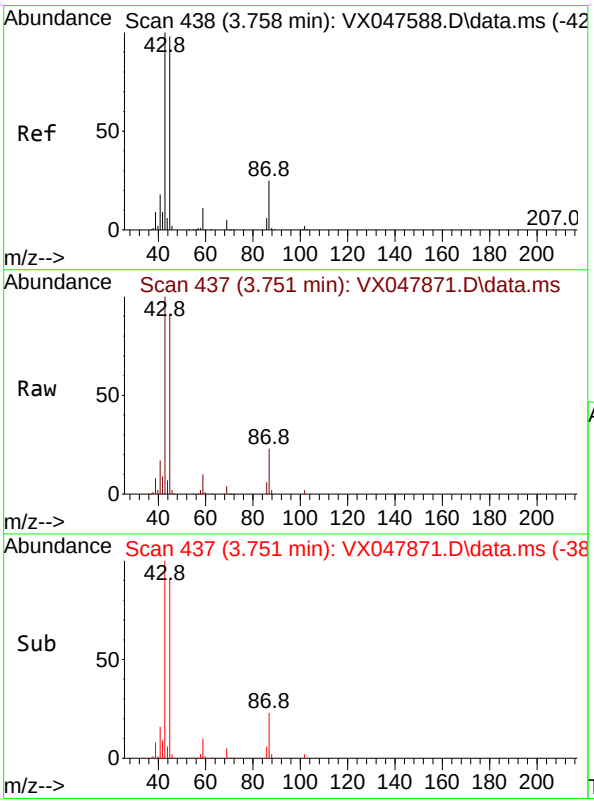
Ion	Ratio	Lower	Upper
96	100		
61	136.9	116.2	174.2
98	62.6	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

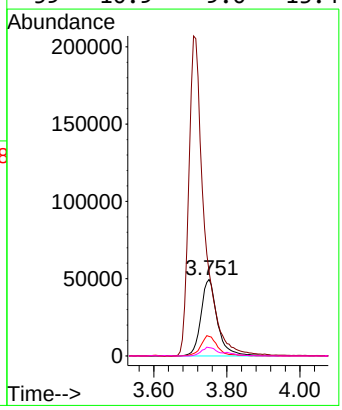
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

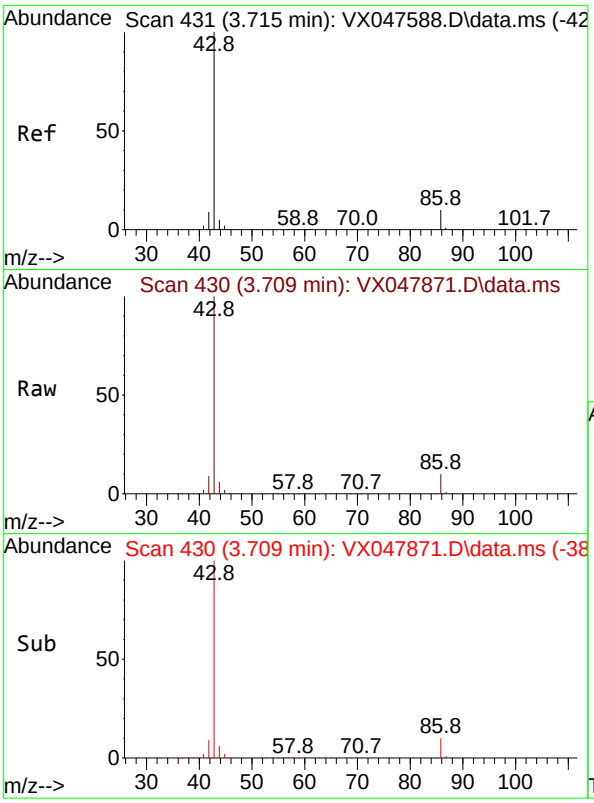


#22
Diisopropyl ether
Concen: 19.633 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 45 Resp: 154669

Ion	Ratio	Lower	Upper
45	100		
43	109.2	81.0	121.4
87	25.5	20.3	30.5
59	10.9	9.0	13.4





#23
Vinyl Acetate
Concen: 97.606 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

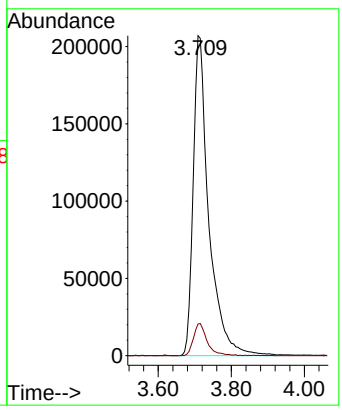
Tgt Ion: 43 Resp: 61542

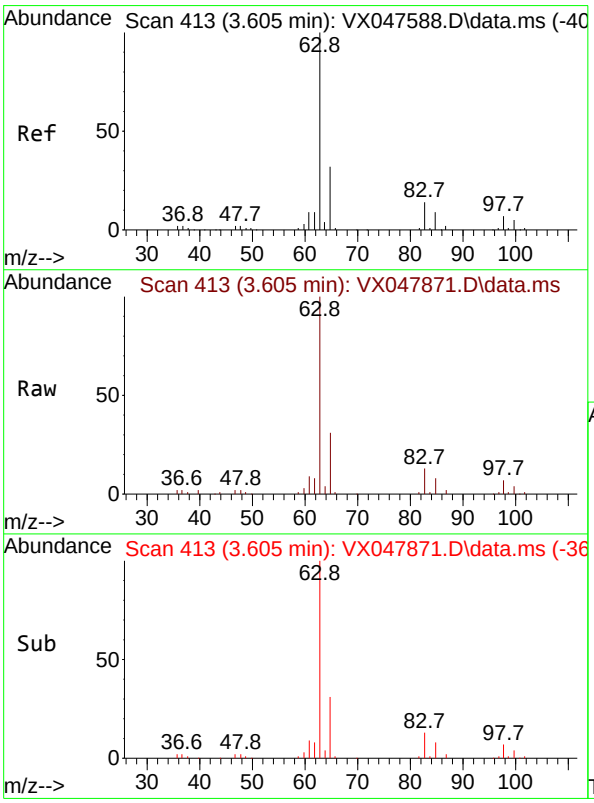
Ion	Ratio	Lower	Upper
43	100		
86	9.9	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

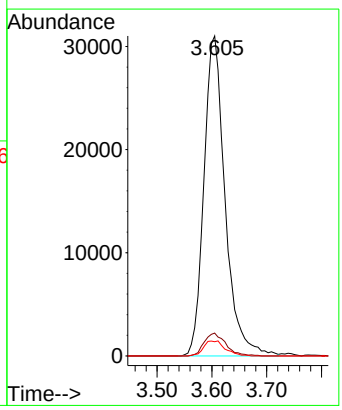


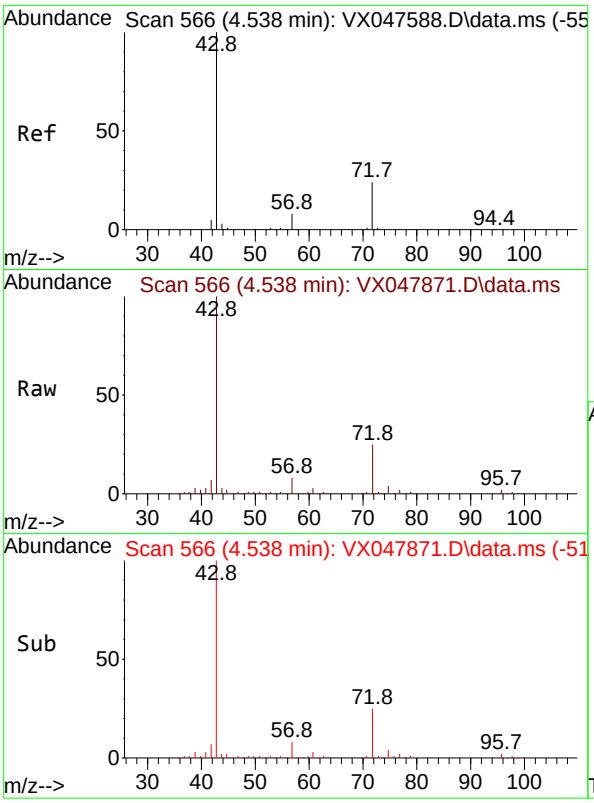


#24
1,1-Dichloroethane
Concen: 19.856 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 63 Resp: 83142

Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.8	11.2
100	4.5	2.3	6.9





#25
2-Butanone
Concen: 104.478 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

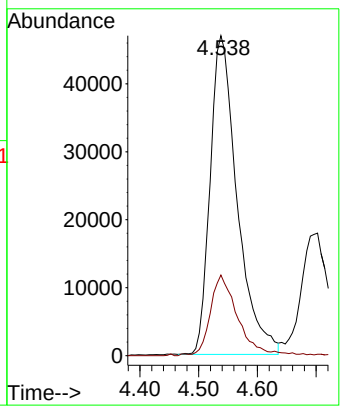
Tgt Ion: 43 Resp: 14955

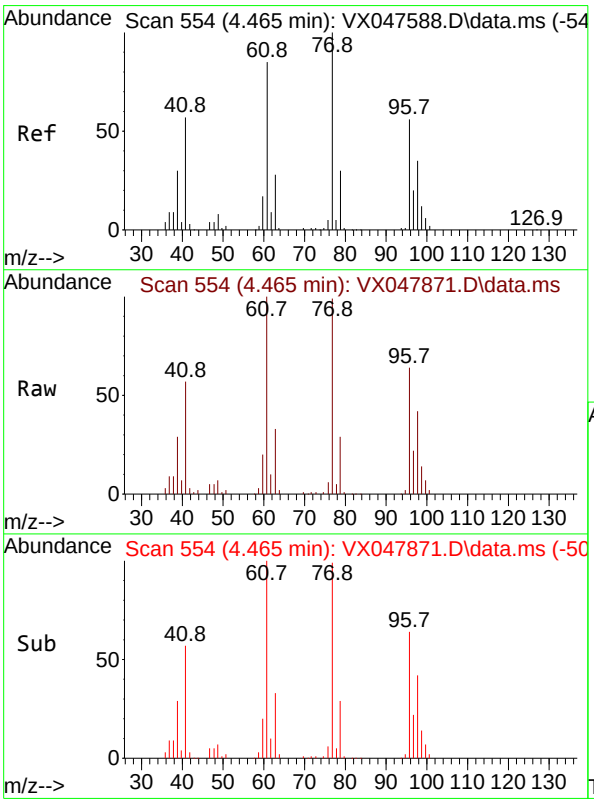
Ion	Ratio	Lower	Upper
43	100		
72	25.3	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

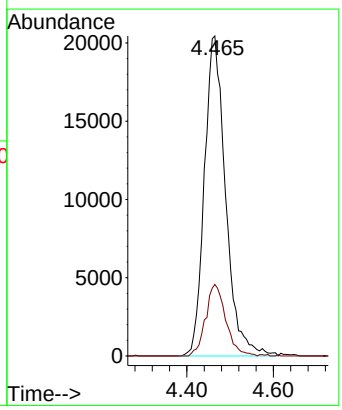


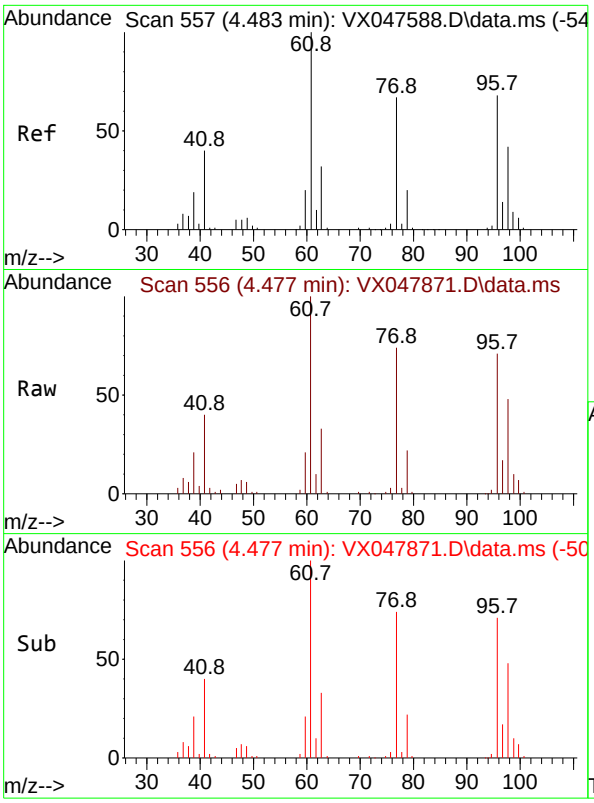


#26
2,2-Dichloropropane
Concen: 20.010 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 77 Resp: 69650

Ion	Ratio	Lower	Upper
77	100		
97	21.3	10.9	32.7

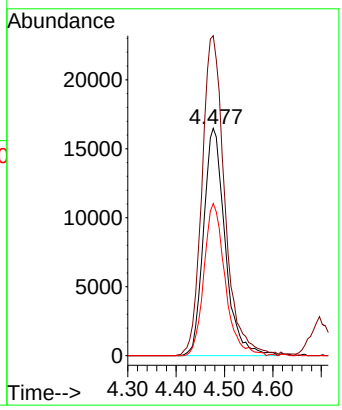




#27
cis-1,2-Dichloroethene
Concen: 19.693 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 96 Resp: 5115

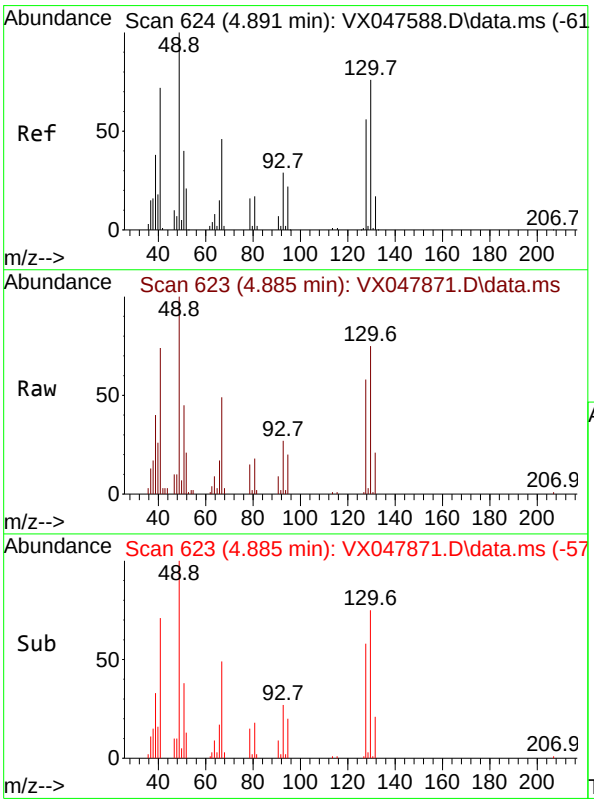
Ion	Ratio	Lower	Upper
96	100		
61	148.4	0.0	303.2
98	65.6	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

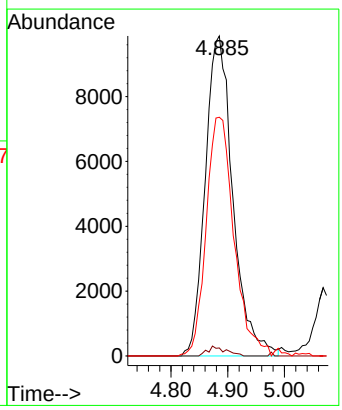
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

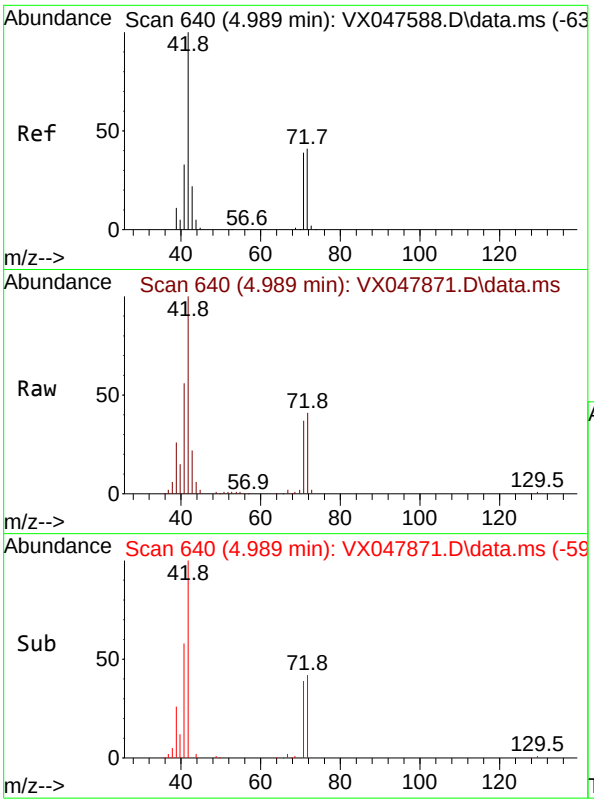


#28
Bromochloromethane
Concen: 18.253 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 49 Resp: 33367

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.2
130	75.0	57.8	86.8





#29
Tetrahydrofuran
Concen: 104.148 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

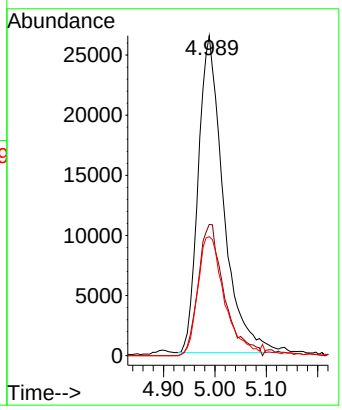
Tgt Ion: 42 Resp: 8968

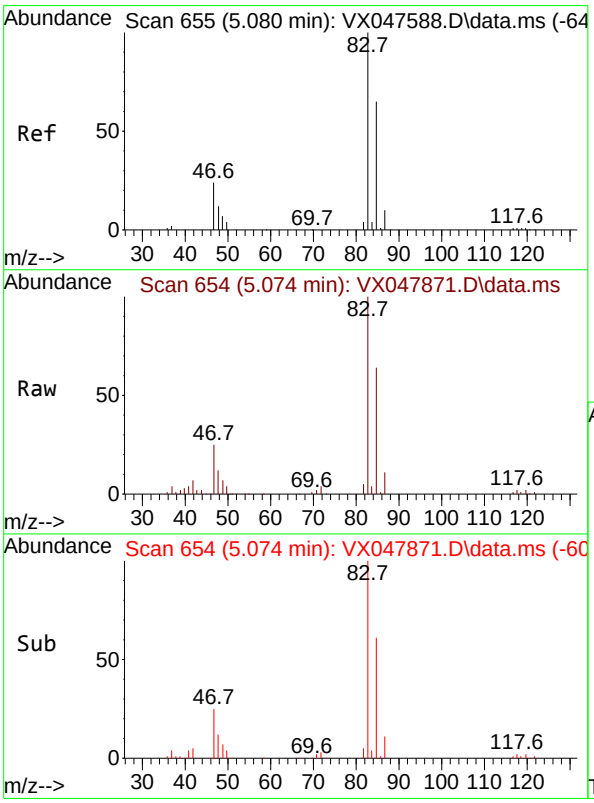
Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.2	51.2
71	39.8	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

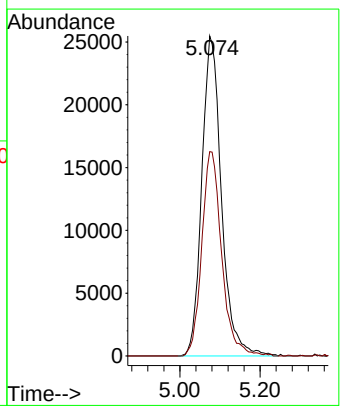


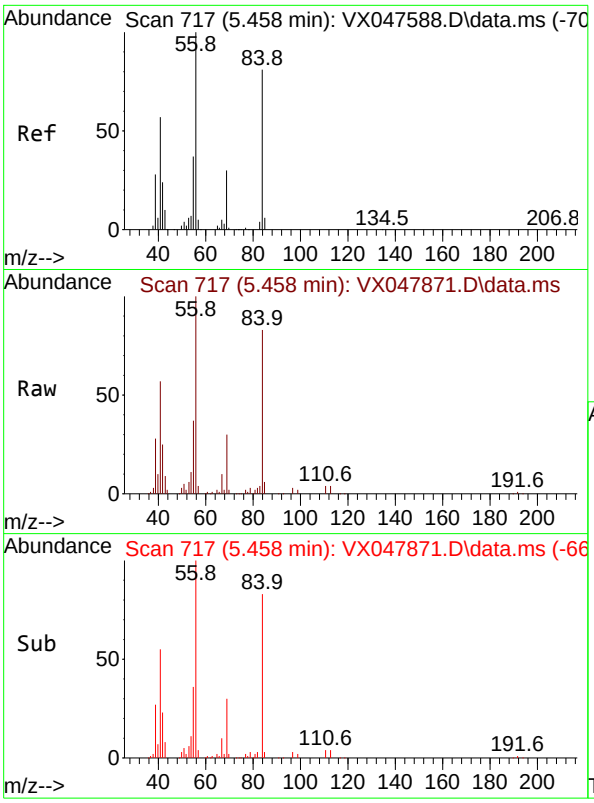


#30
Chloroform
Concen: 20.492 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 83 Resp: 86708

Ion	Ratio	Lower	Upper
83	100		
85	61.2	51.8	77.6





#31
Cyclohexane
Concen: 19.454 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

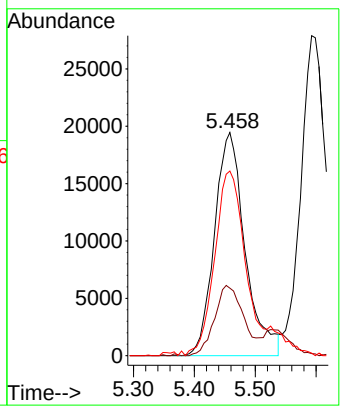
Tgt Ion: 56 Resp: 6784

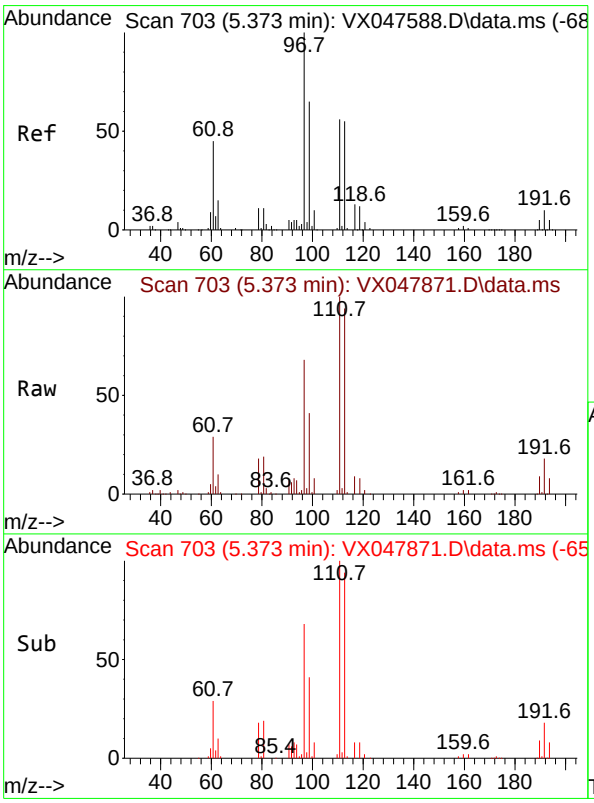
Ion	Ratio	Lower	Upper
56	100		
69	29.7	23.8	35.8
84	82.7	64.6	97.0

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

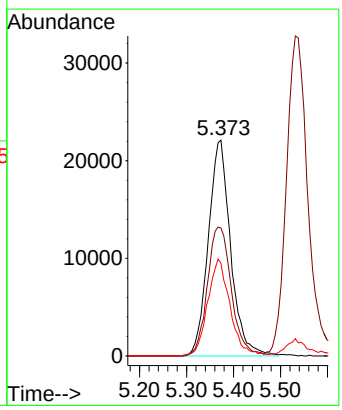


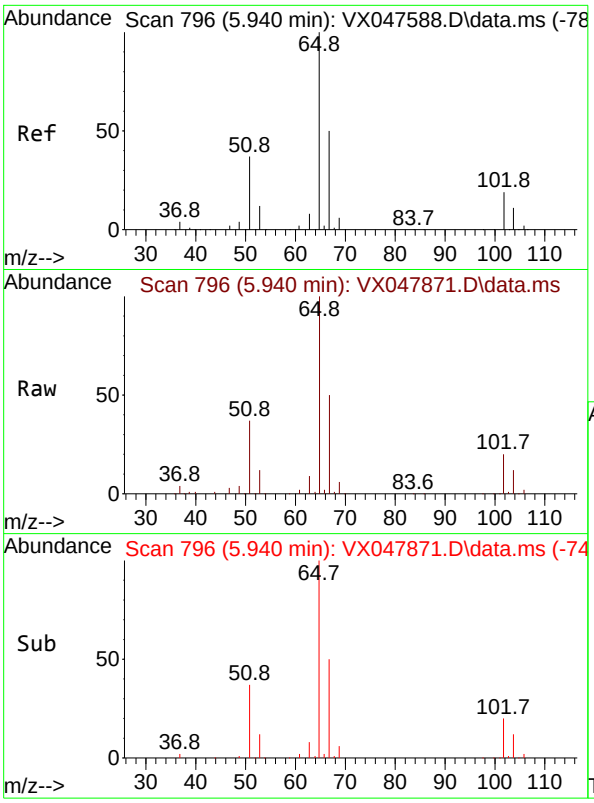


#32
1,1,1-Trichloroethane
Concen: 20.303 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 97 Resp: 72871

Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.6	76.0
61	44.9	35.8	53.8





#33
1,2-Dichloroethane-d4
Concen: 48.786 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

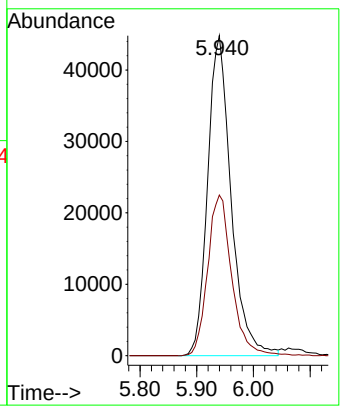
Tgt Ion: 65 Resp: 12875

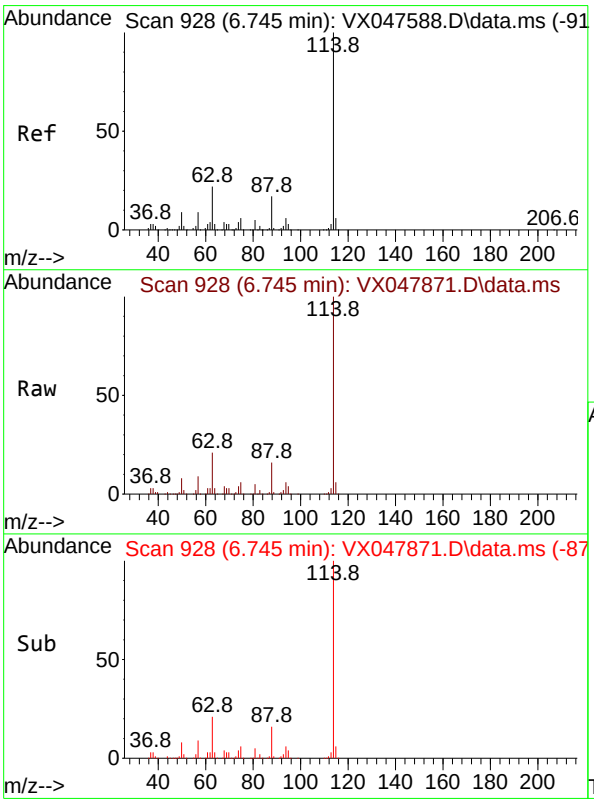
Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	103.0

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

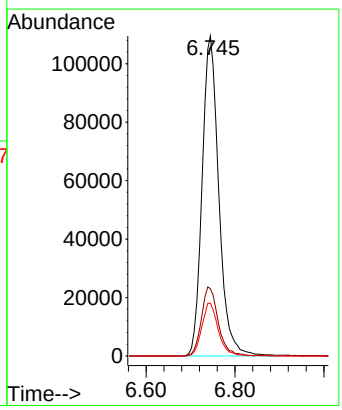


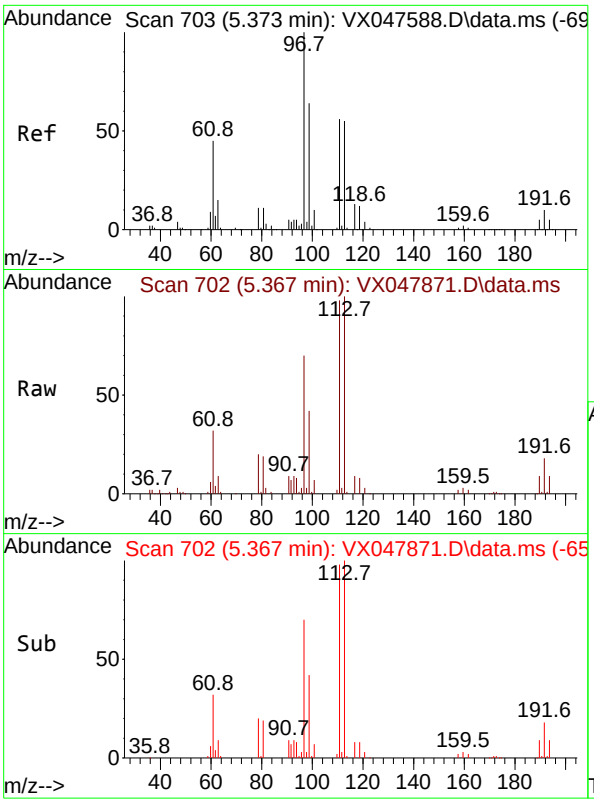


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:114 Resp: 286774

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	44.0
88	16.4	0.0	34.2

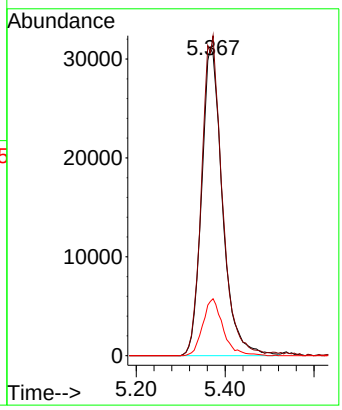




#35
Dibromofluoromethane
Concen: 52.854 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:113 Resp: 10165

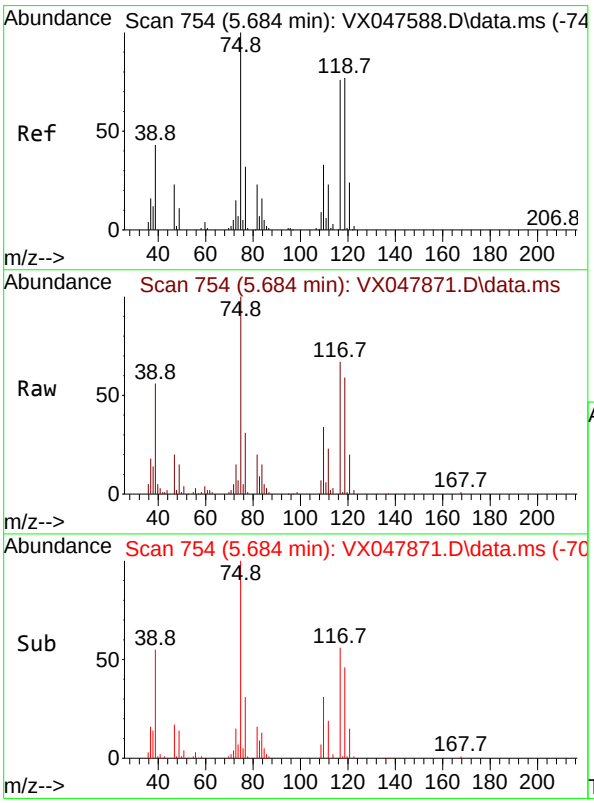
Ion	Ratio	Lower	Upper
113	100		
111	102.6	80.9	121.3
192	18.0	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

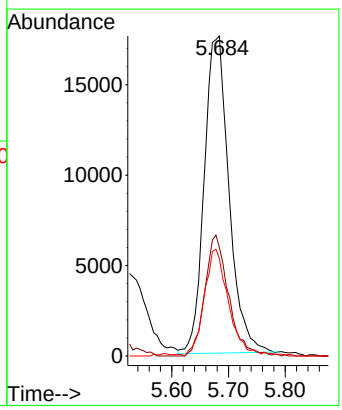
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

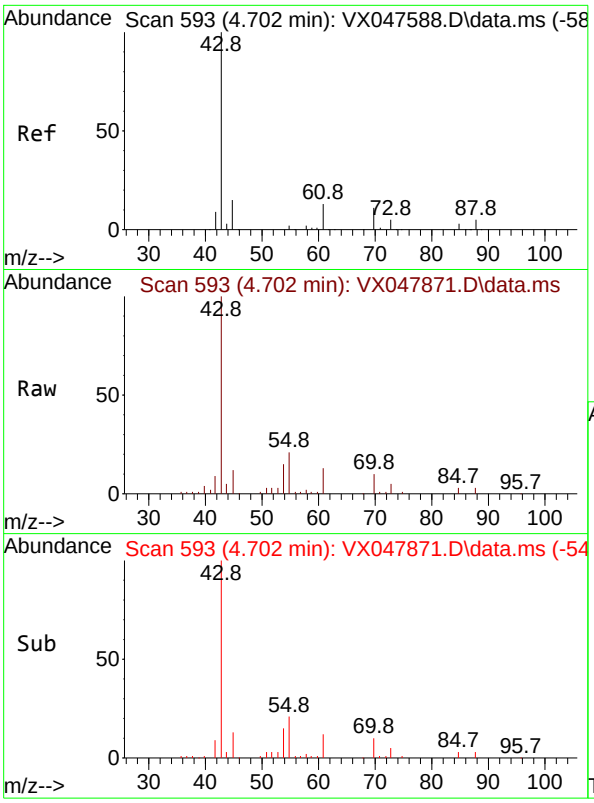


#36
1,1-Dichloropropene
Concen: 18.978 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 75 Resp: 53336

Ion	Ratio	Lower	Upper
75	100		
110	36.4	16.7	50.1
77	33.3	24.3	36.5





#37
Ethyl Acetate
Concen: 20.513 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

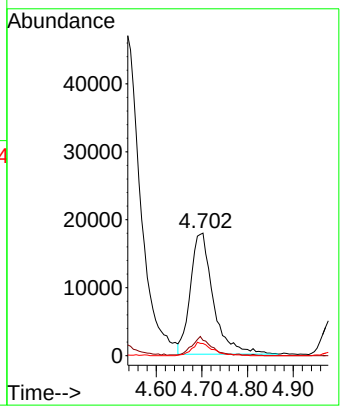
Tgt Ion: 43 Resp: 6172

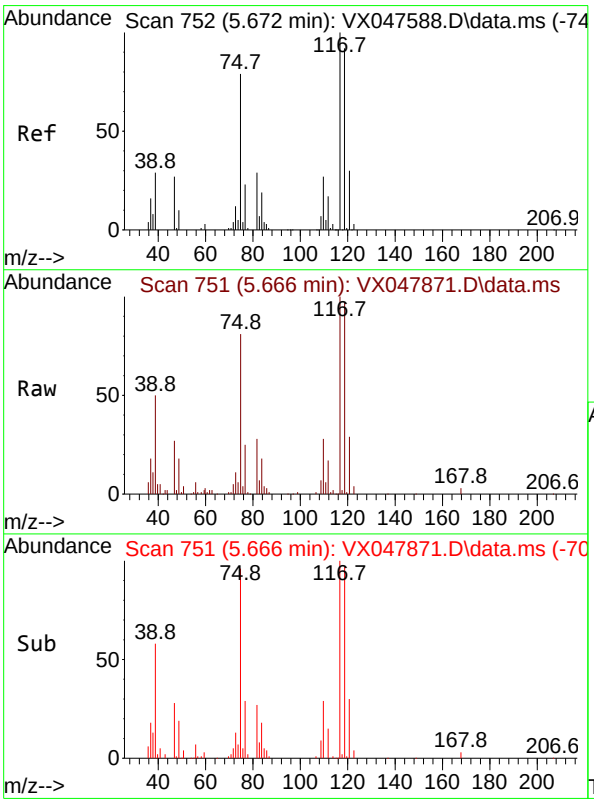
Ion	Ratio	Lower	Upper
43	100		
61	11.9	9.8	14.8
70	9.9	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

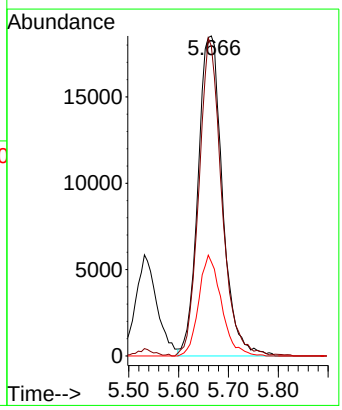


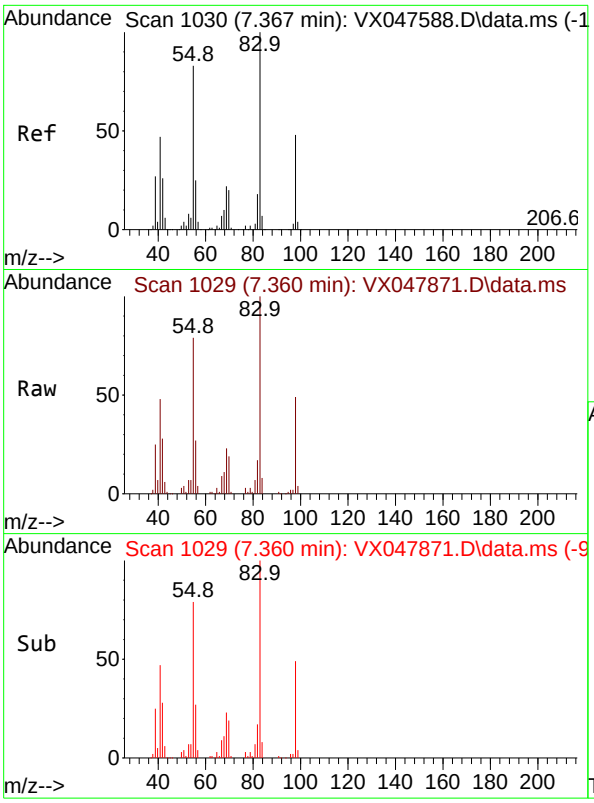


#38
Carbon Tetrachloride
Concen: 20.634 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:117 Resp: 63005

Ion	Ratio	Lower	Upper
117	100		
119	96.3	73.4	110.2
121	29.4	23.8	35.6





#39
Methylcyclohexane
Concen: 20.185 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

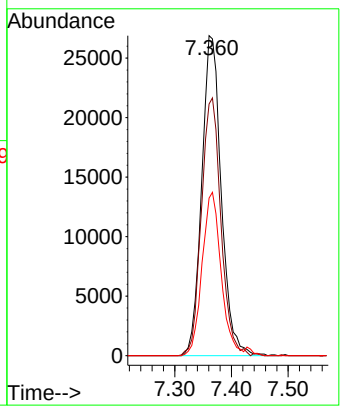
Tgt Ion: 83 Resp: 6439

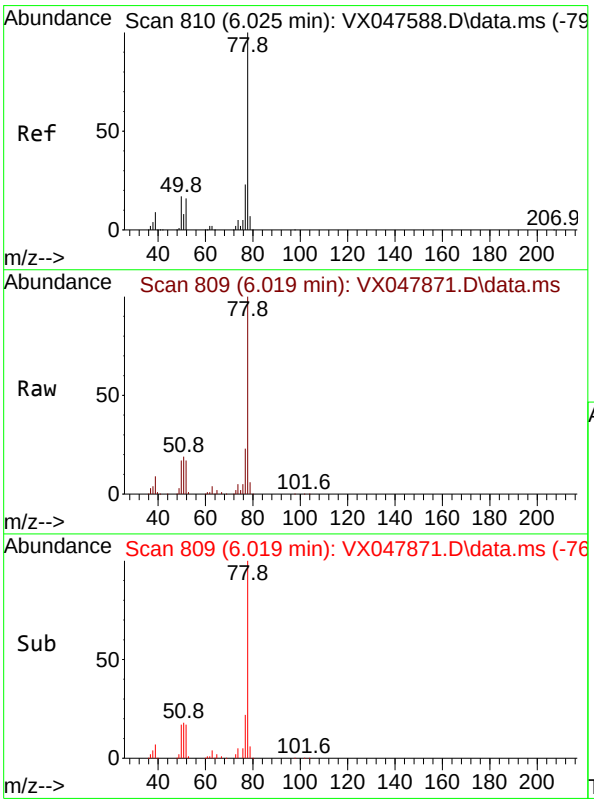
Ion	Ratio	Lower	Upper
83	100		
55	78.7	66.4	99.6
98	49.3	38.1	57.1

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

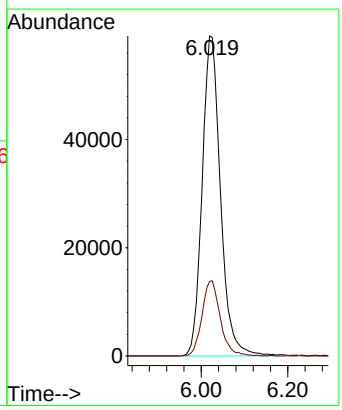


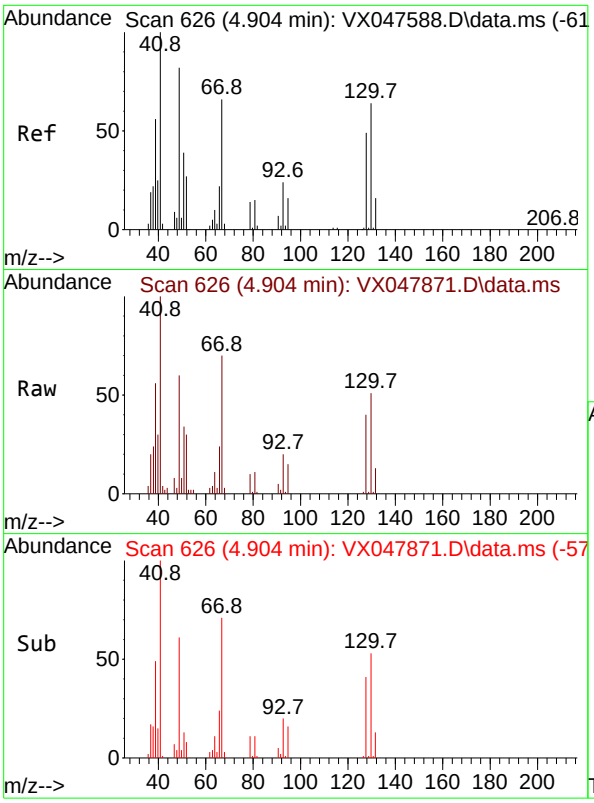


#40
Benzene
Concen: 20.356 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 78 Resp: 173753

Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2

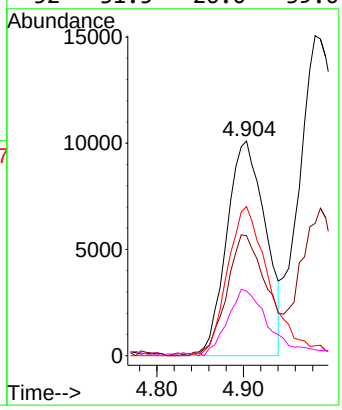




#41
Methacrylonitrile
Concen: 20.220 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 41 Resp: 3141

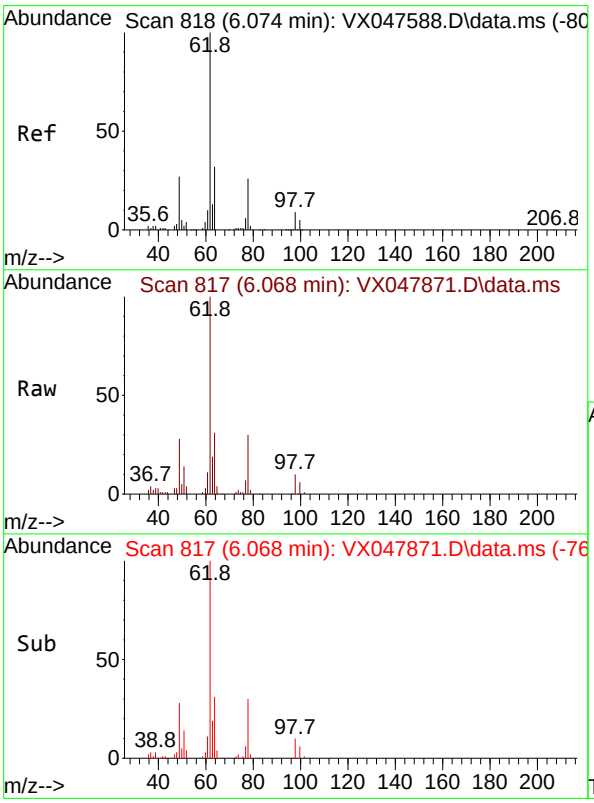
Ion	Ratio	Lower	Upper
41	100		
39	57.6	43.3	64.9
67	75.5	58.6	87.8
52	31.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

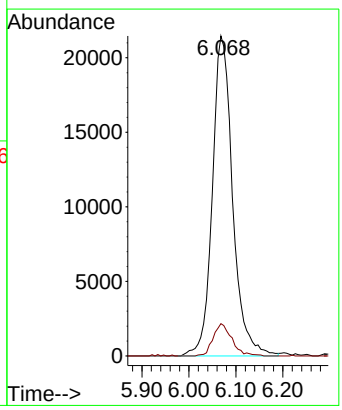
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

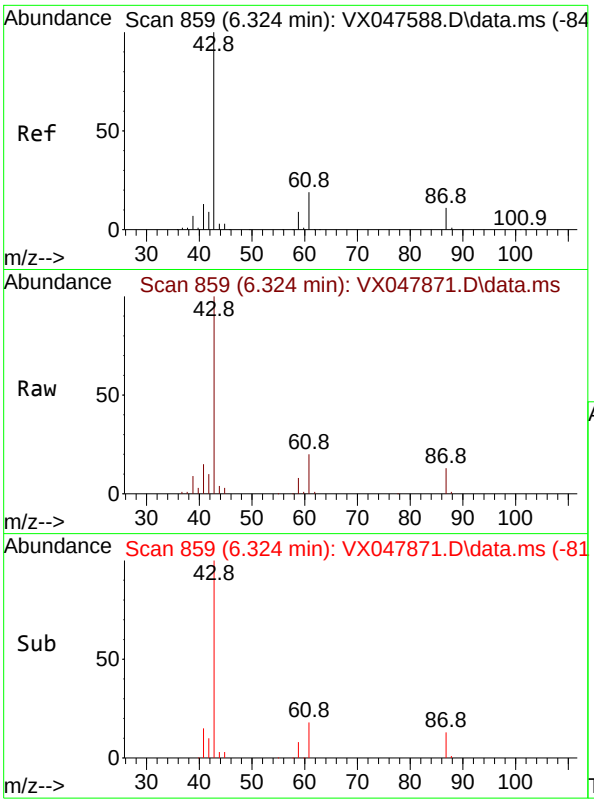


#42
1,2-Dichloroethane
Concen: 19.846 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 62 Resp: 64455

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	17.0

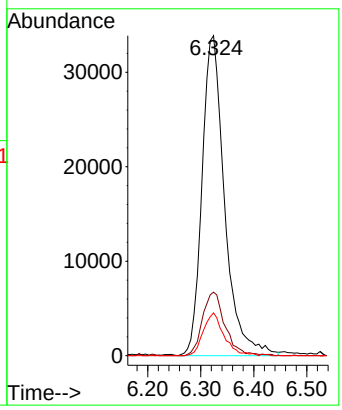




#43
Isopropyl Acetate
Concen: 20.301 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 43 Resp: 10018

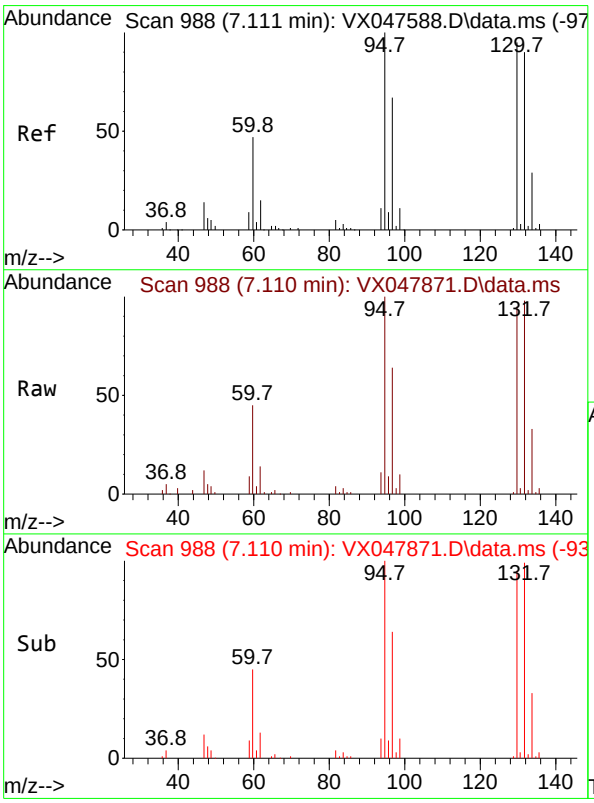
Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.2	22.8
87	12.2	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

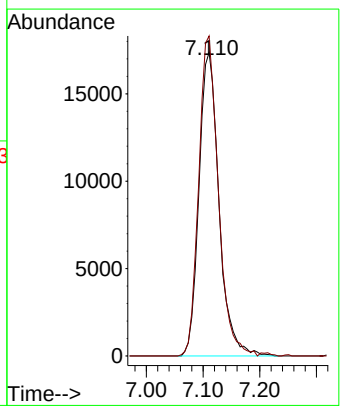
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

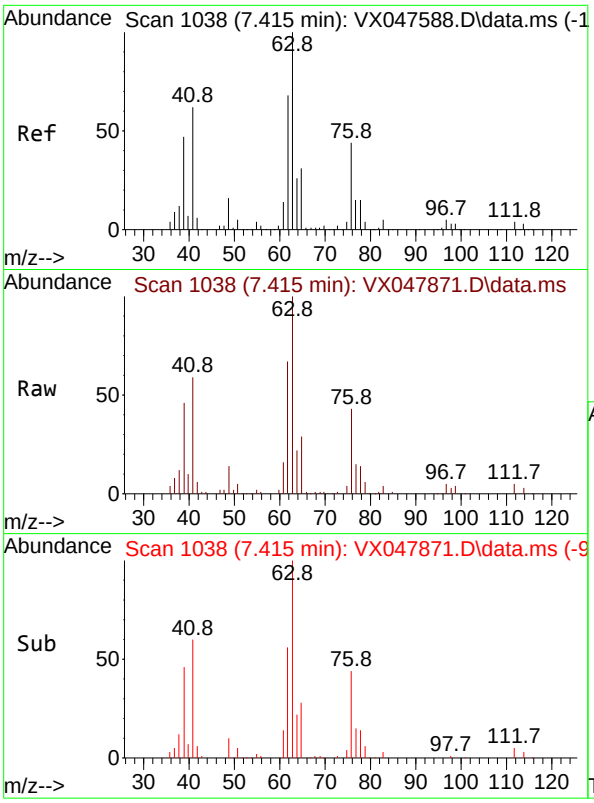


#44
Trichloroethene
Concen: 20.580 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:130 Resp: 42469

Ion	Ratio	Lower	Upper
130	100		
95	105.4	0.0	210.8





#45
1,2-Dichloropropane
Concen: 20.828 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

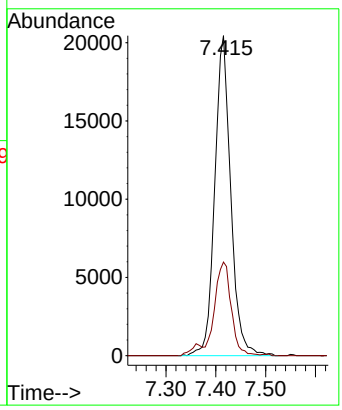
Tgt Ion: 63 Resp: 4552

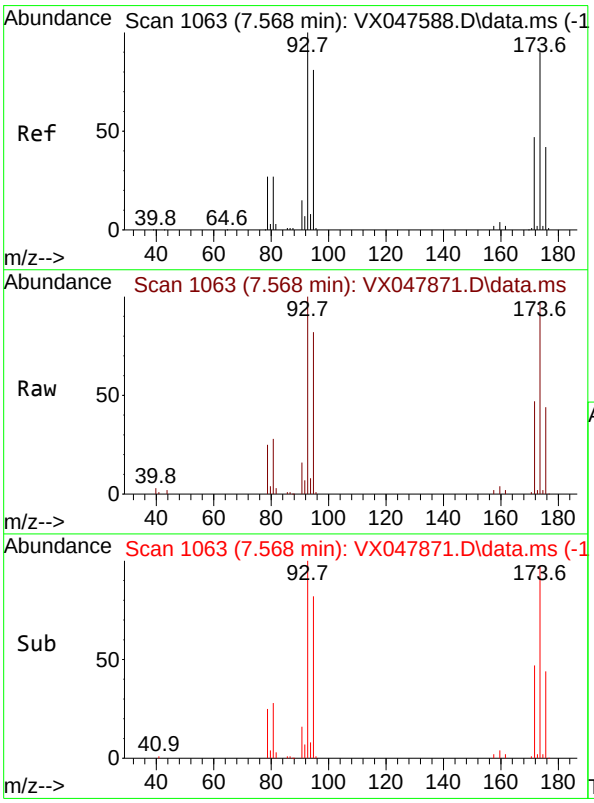
Ion	Ratio	Lower	Upper
63	100		
65	29.2	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

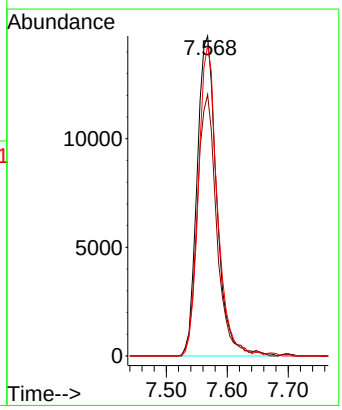


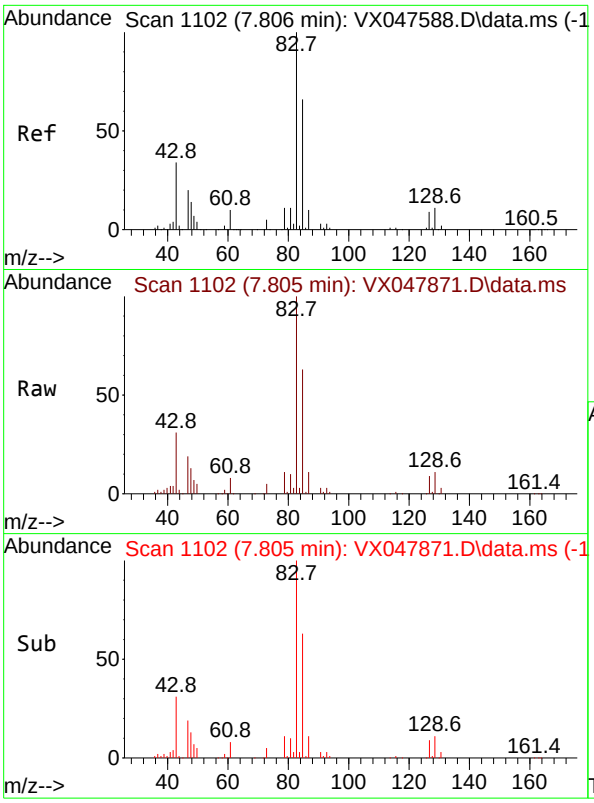


#46
Dibromomethane
Concen: 20.623 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 93 Resp: 32802

Ion	Ratio	Lower	Upper
93	100		
95	80.8	65.0	97.6
174	93.7	71.6	107.4

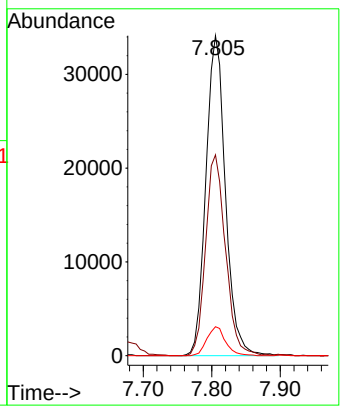




#47
Bromodichloromethane
Concen: 20.587 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 83 Resp: 6756

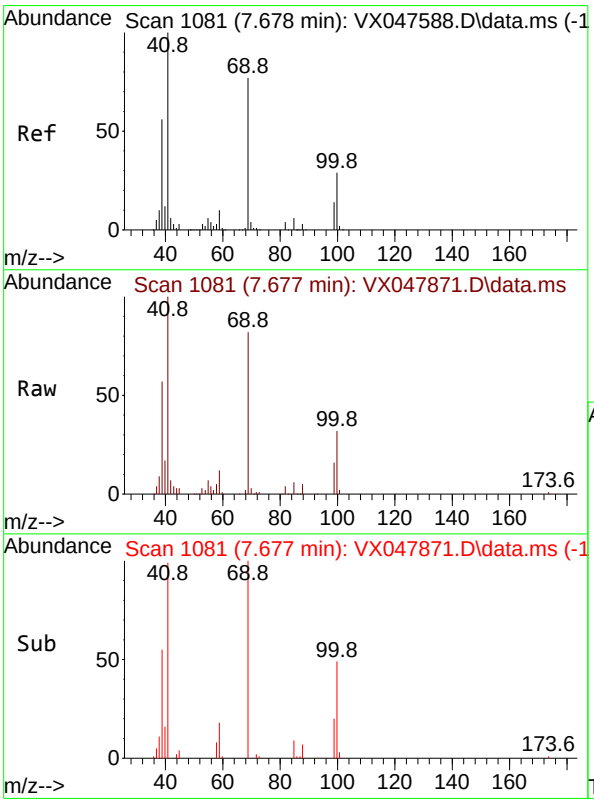
Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.5	78.7
127	9.0	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

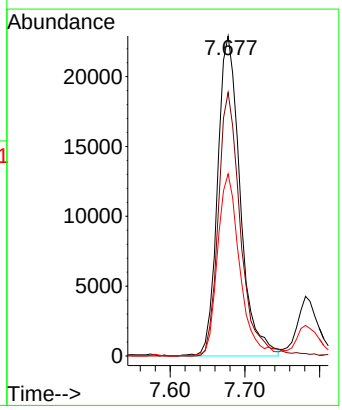
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

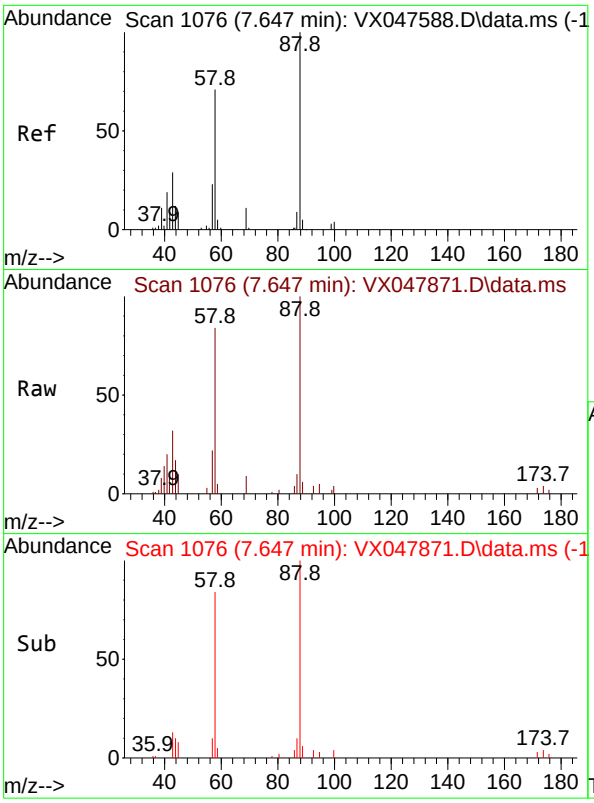


#48
Methyl methacrylate
Concen: 19.567 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 41 Resp: 48101

Ion	Ratio	Lower	Upper
41	100		
69	81.2	61.4	92.2
39	55.9	45.8	68.6





#49
1,4-Dioxane
Concen: 470.960 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

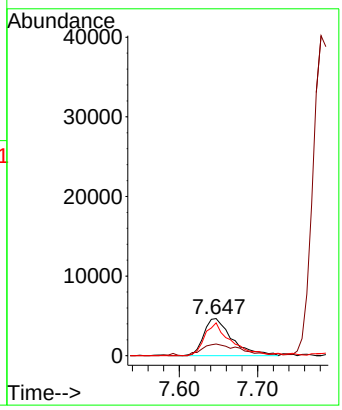
Tgt Ion: 88 Resp: 1170

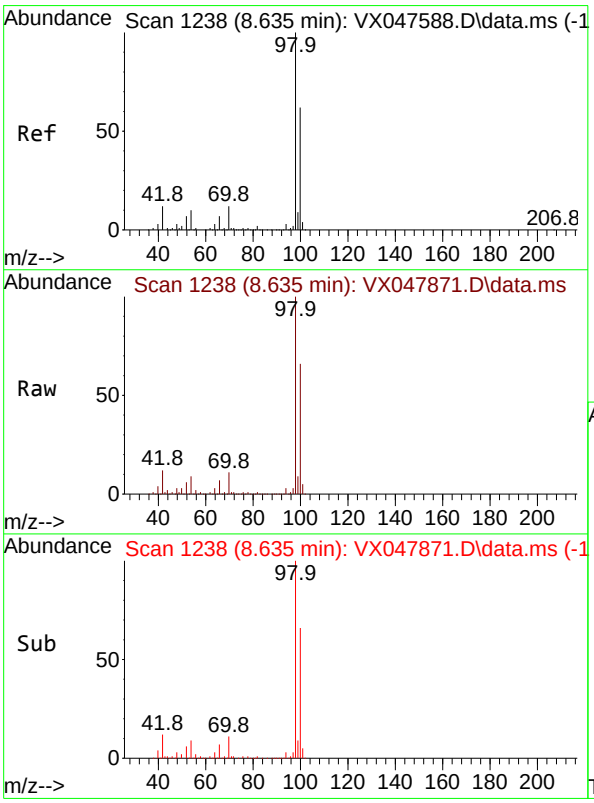
Ion	Ratio	Lower	Upper
88	100		
43	43.3	30.2	45.2
58	80.7	59.5	89.3

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

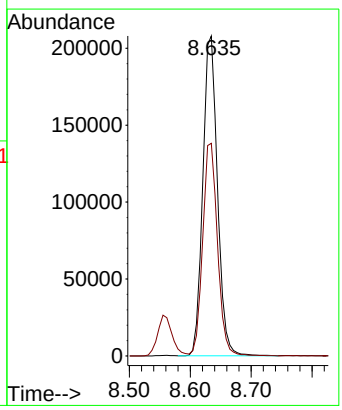


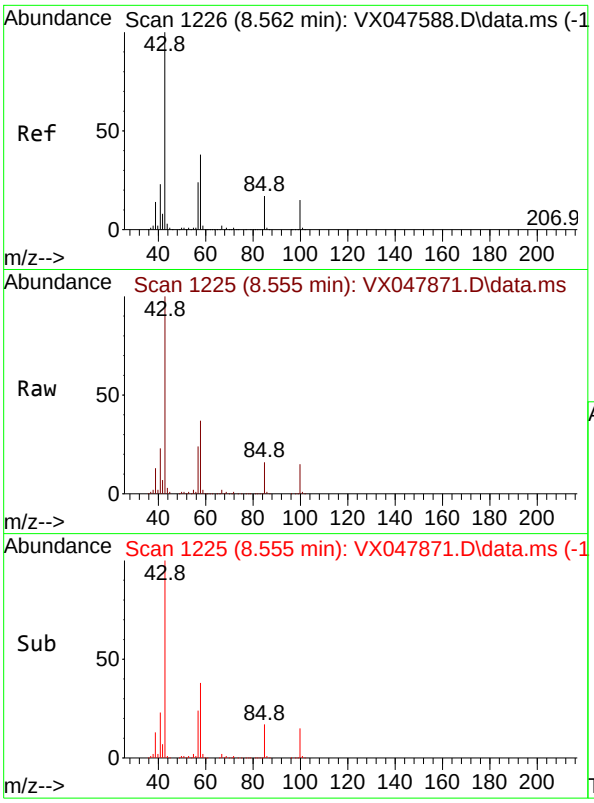


#50
Toluene-d8
Concen: 52.333 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 98 Resp: 348270

Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.0	79.4

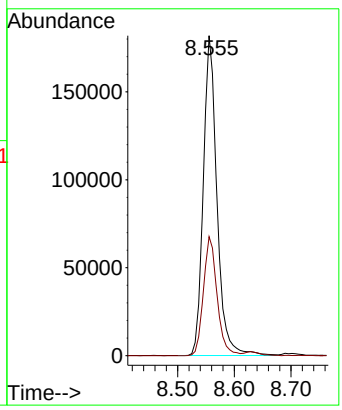




#51
4-Methyl-2-Pentanone
Concen: 111.388 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 43 Resp: 30478

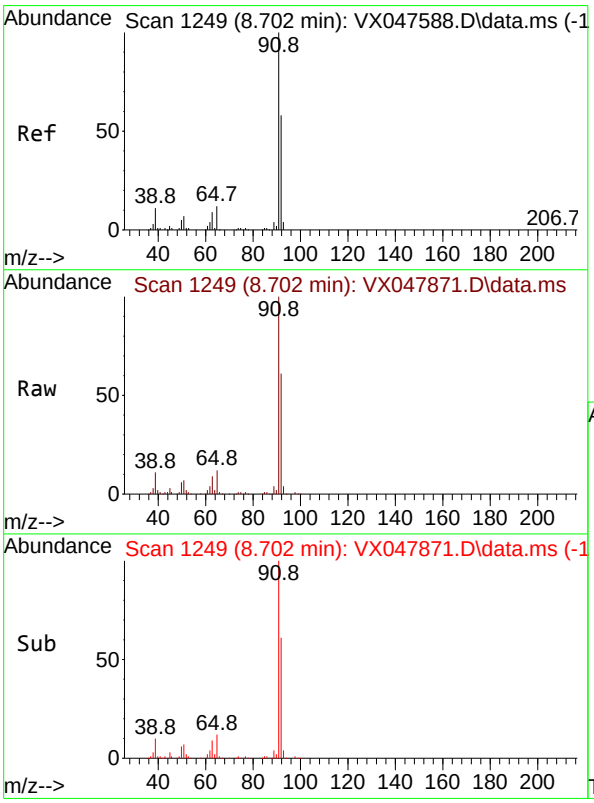
Ion	Ratio	Lower	Upper
43	100		
58	37.2	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

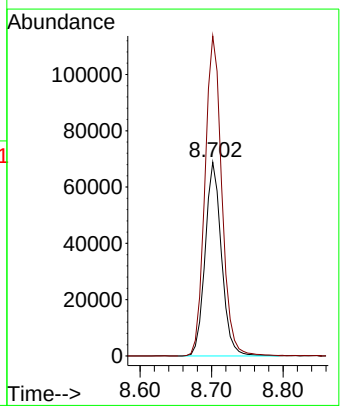
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

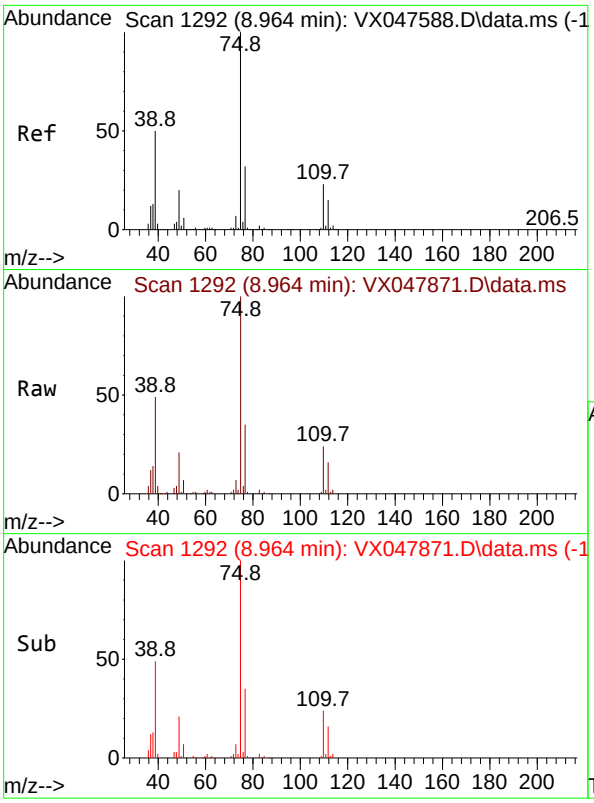


#52
Toluene
Concen: 20.758 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 92 Resp: 109163

Ion	Ratio	Lower	Upper
92	100		
91	170.5	137.1	205.7

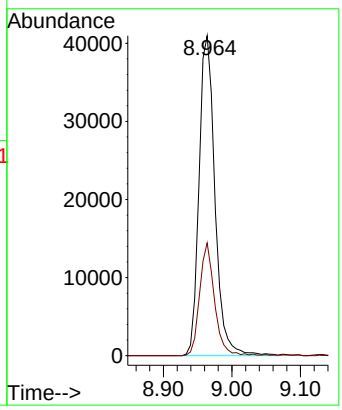




#53
t-1,3-Dichloropropene
Concen: 19.785 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 75 Resp: 6623

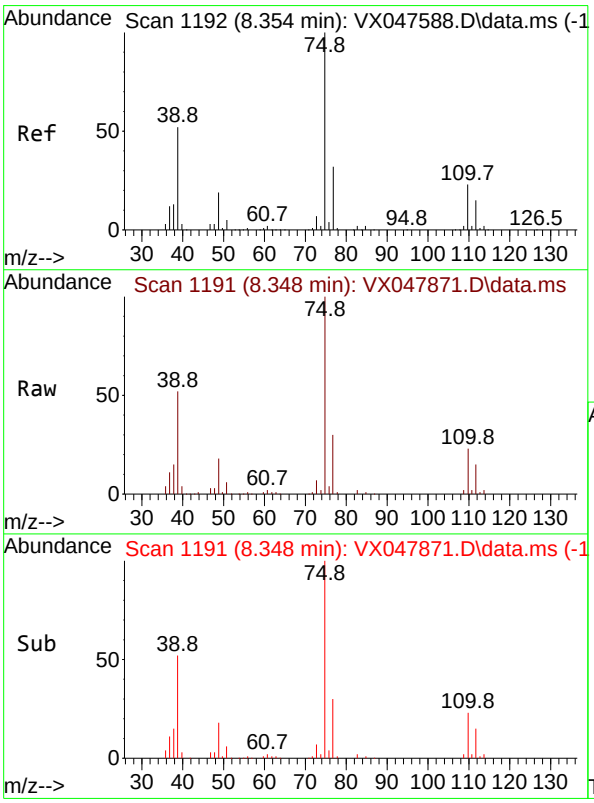
Ion	Ratio	Lower	Upper
75	100		
77	35.2	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

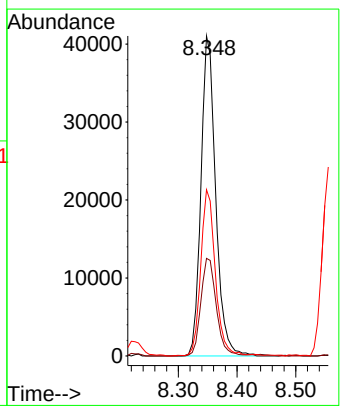
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

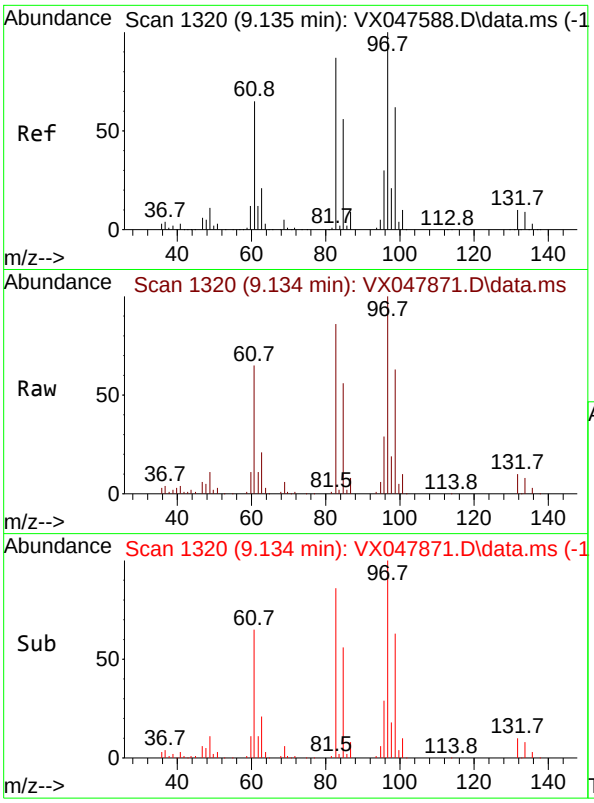


#54
cis-1,3-Dichloropropene
Concen: 20.026 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 75 Resp: 71660

Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.8	38.6
39	51.8	41.4	62.2

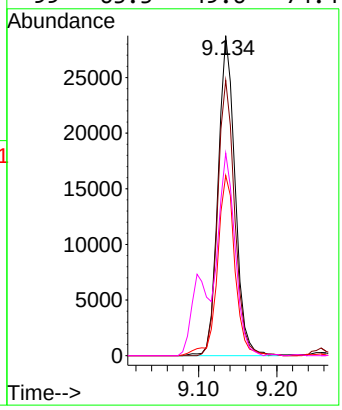




#55
1,1,2-Trichloroethane
Concen: 21.440 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 97 Resp: 4347

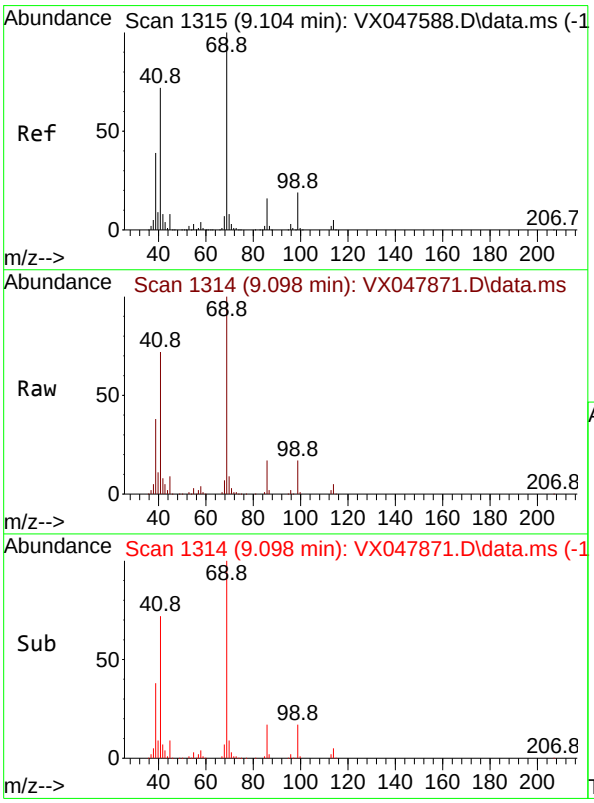
Ion	Ratio	Lower	Upper
97	100		
83	87.6	69.6	104.4
85	56.3	45.0	67.6
99	63.3	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

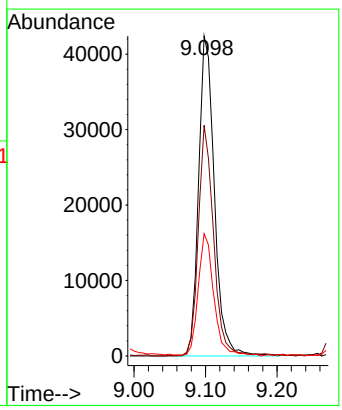
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

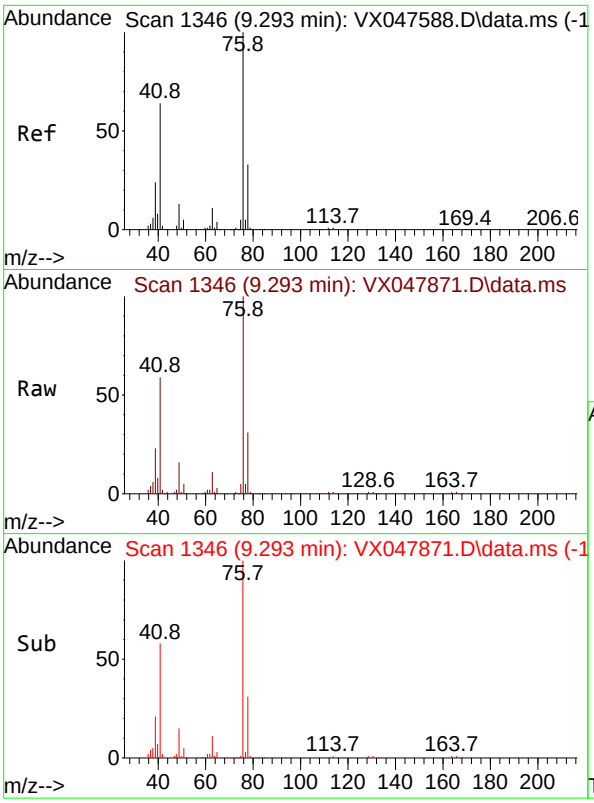


#56
Ethyl methacrylate
Concen: 20.399 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 69 Resp: 64963

Ion	Ratio	Lower	Upper
69	100		
41	69.6	58.6	87.8
39	38.0	31.5	47.3





#57
1,3-Dichloropropane
Concen: 21.214 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

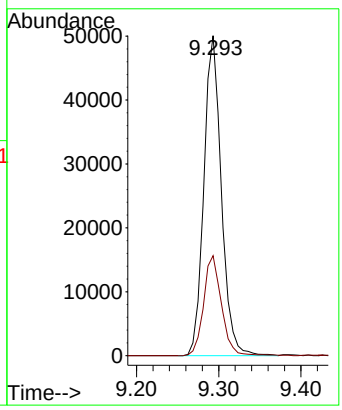
Tgt Ion: 76 Resp: 7389

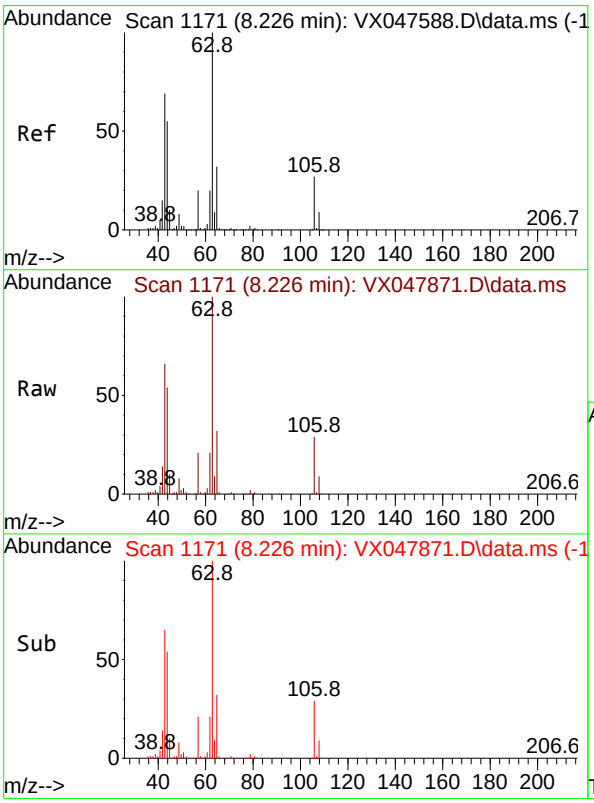
Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.2	39.4

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

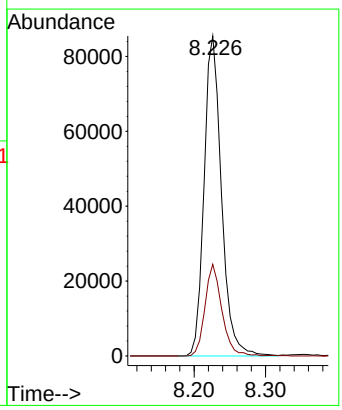


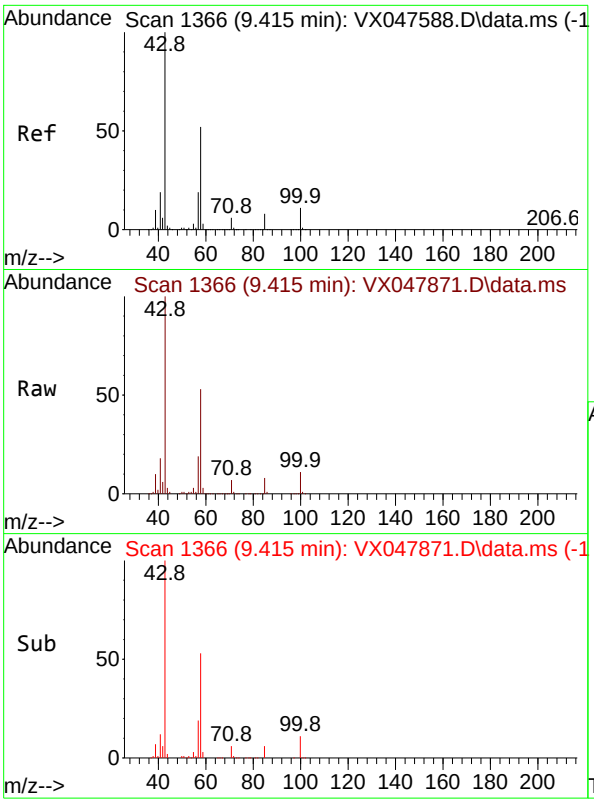


#58
2-Chloroethyl Vinyl ether
Concen: 101.895 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 63 Resp: 144323

Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.9	32.9





#59
2-Hexanone
Concen: 110.855 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

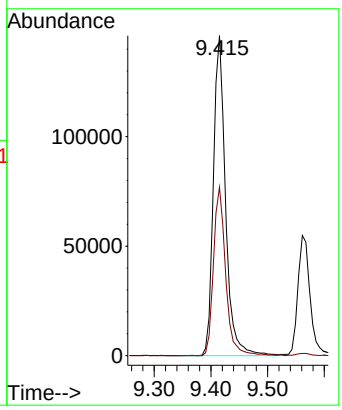
Tgt Ion: 43 Resp: 21784

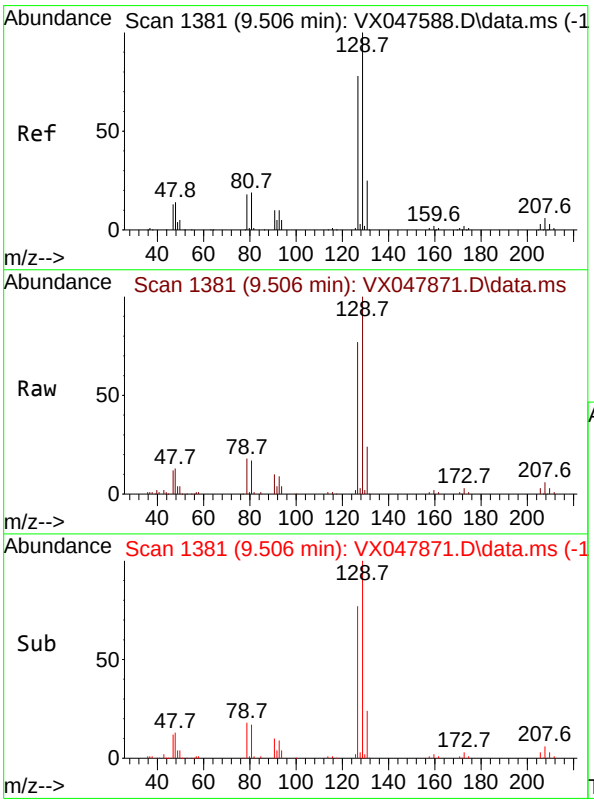
Ion	Ratio	Lower	Upper
43	100		
58	52.8	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

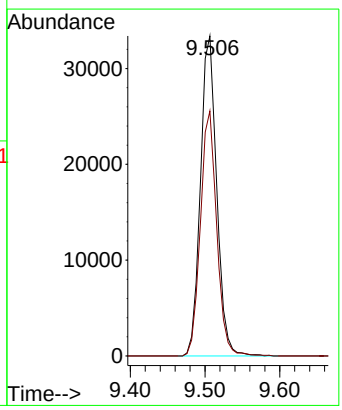


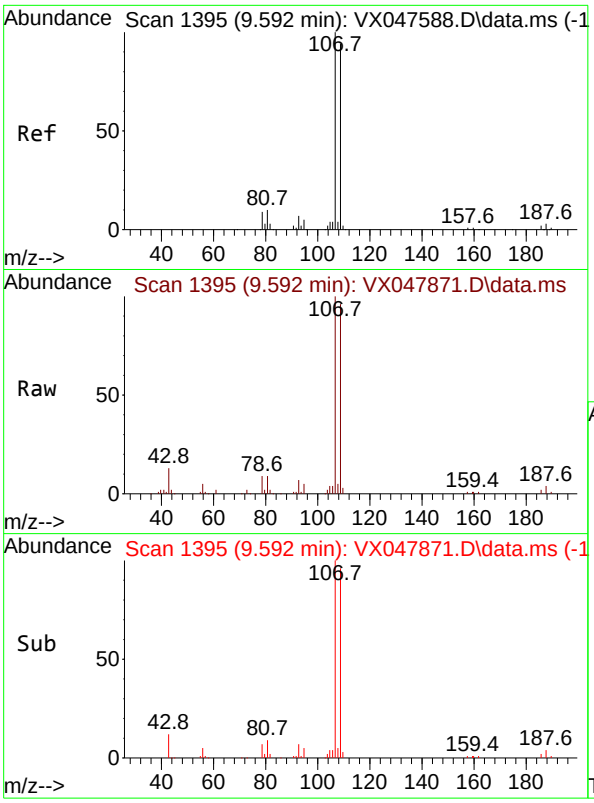


#60
Dibromochloromethane
Concen: 21.564 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:129 Resp: 50383

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.4	115.2

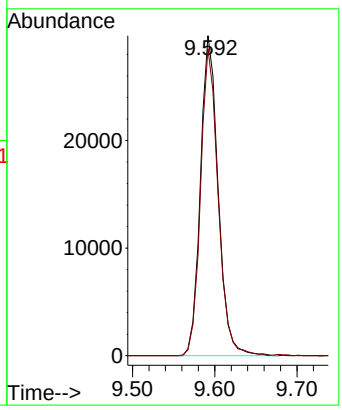




#61
1,2-Dibromoethane
Concen: 21.584 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:107 Resp: 4457

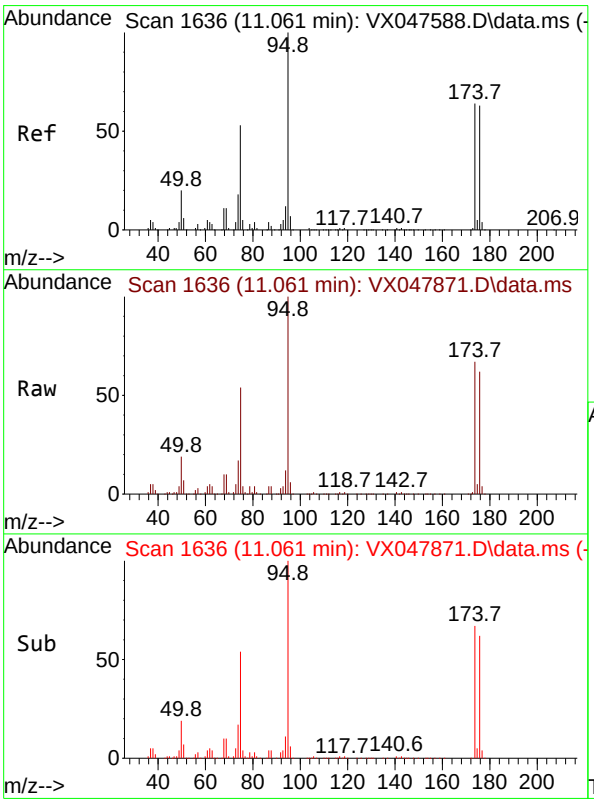
Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

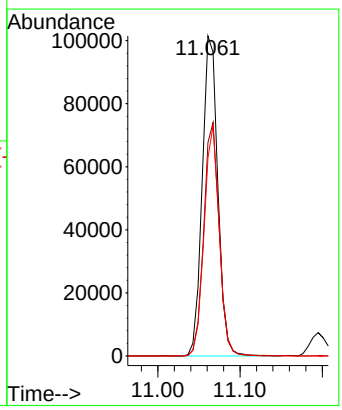
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

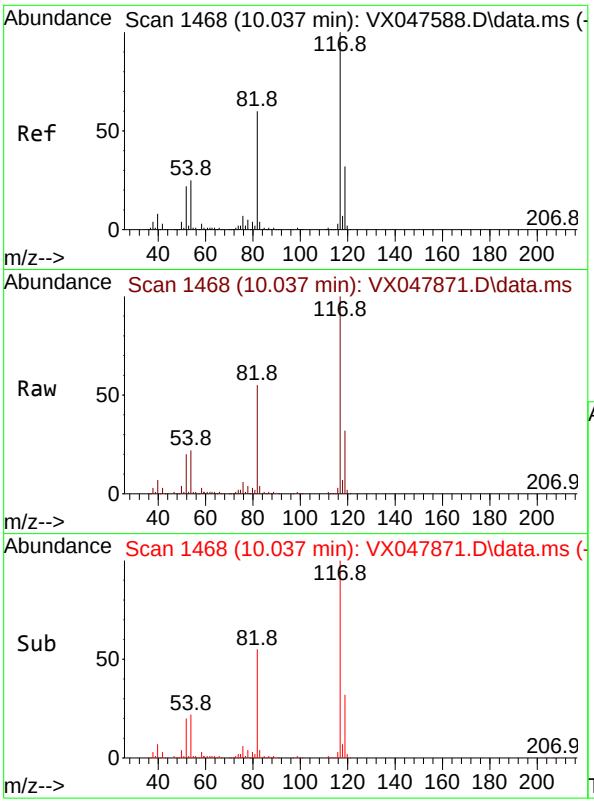


#62
4-Bromofluorobenzene
Concen: 52.873 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 95 Resp: 133538

Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	141.6
176	69.8	0.0	138.4

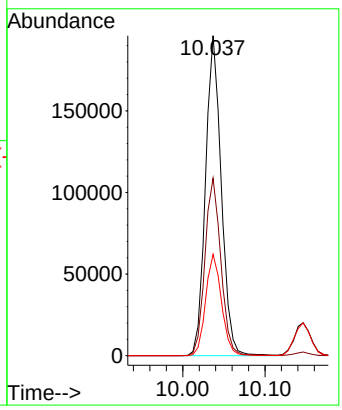




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:117 Resp: 26116

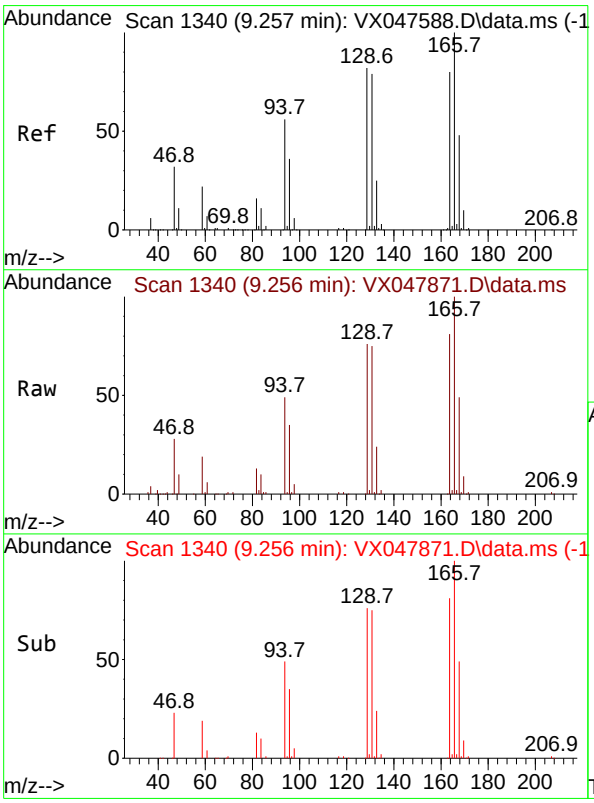
Ion	Ratio	Lower	Upper
117	100		
82	55.5	47.8	71.6
119	31.6	25.2	37.8



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

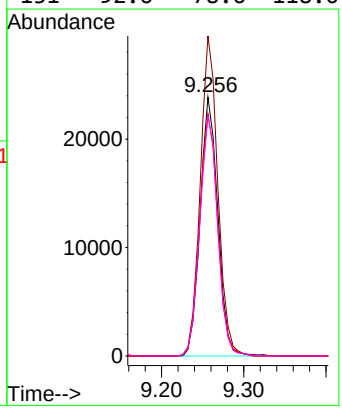
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

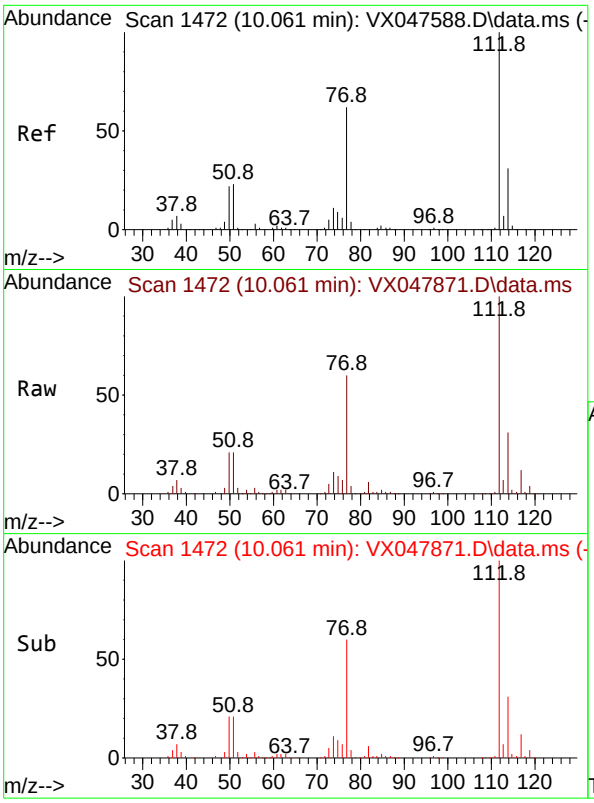


#64
Tetrachloroethene
Concen: 20.956 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:164 Resp: 35678

Ion	Ratio	Lower	Upper
164	100		
166	123.6	100.2	150.2
129	93.6	81.8	122.6
131	92.6	78.6	118.0

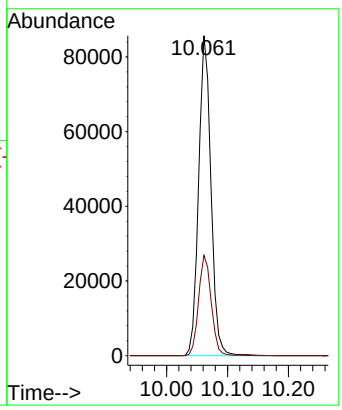




#65
Chlorobenzene
Concen: 20.227 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:112 Resp: 12001

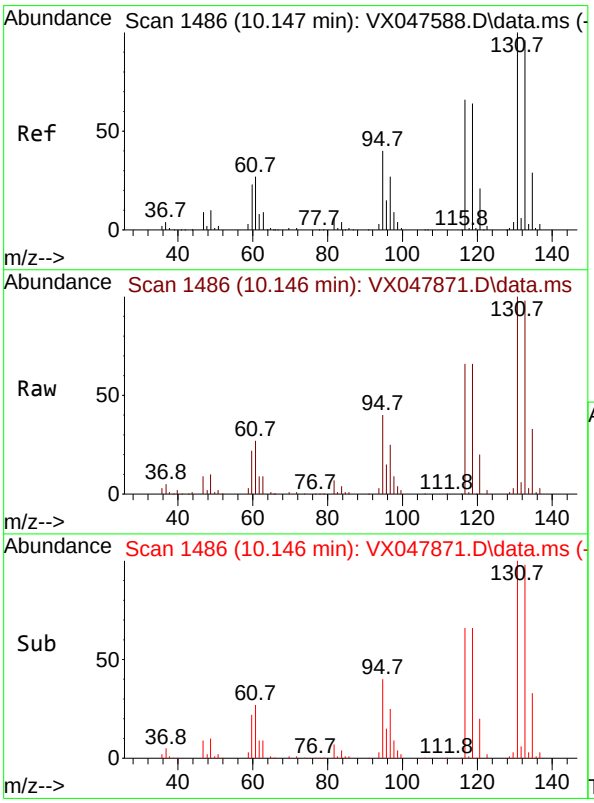
Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

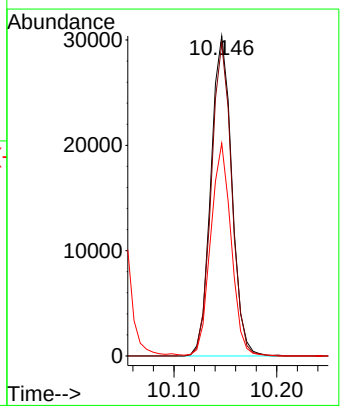
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

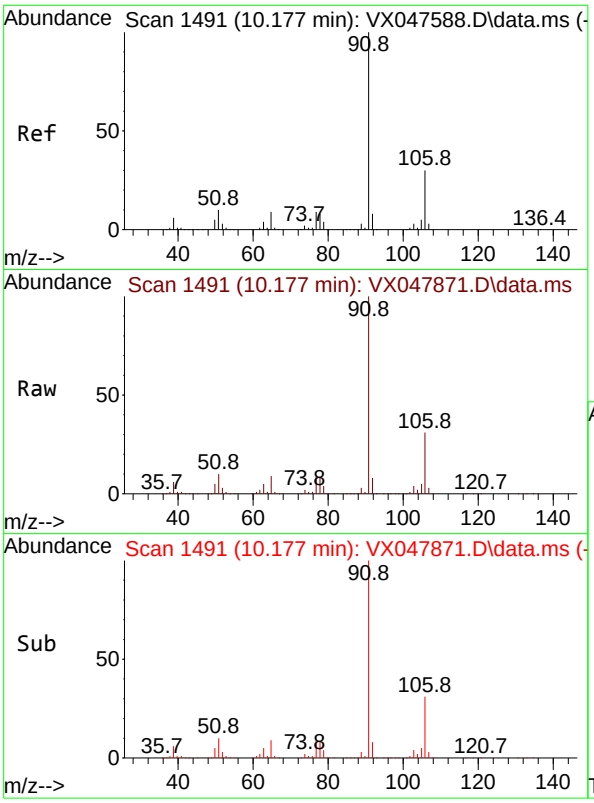


#66
1,1,1,2-Tetrachloroethane
Concen: 20.875 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:131 Resp: 42740

Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.3	142.0
119	65.1	32.0	96.0

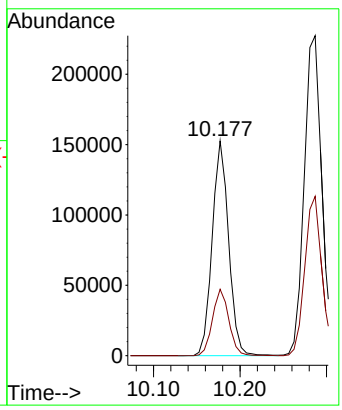




#67
Ethyl Benzene
Concen: 19.642 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 91 Resp: 20108

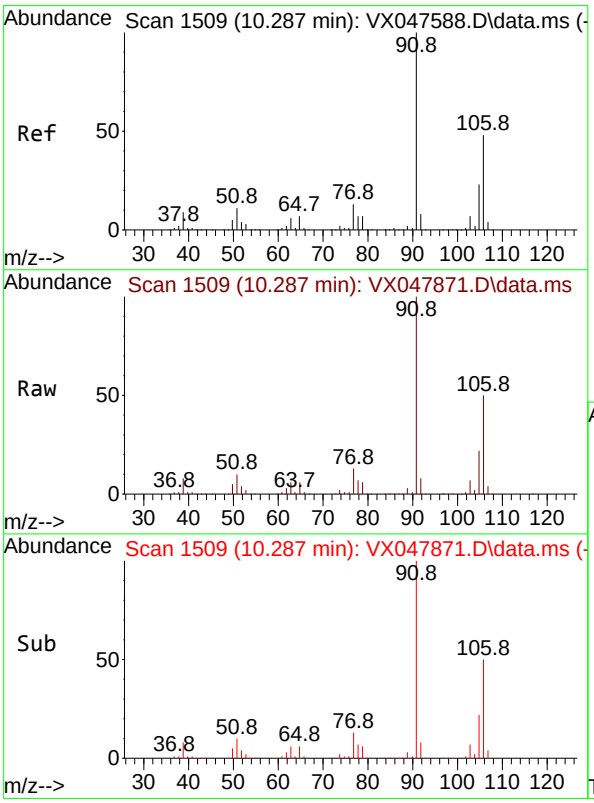
Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

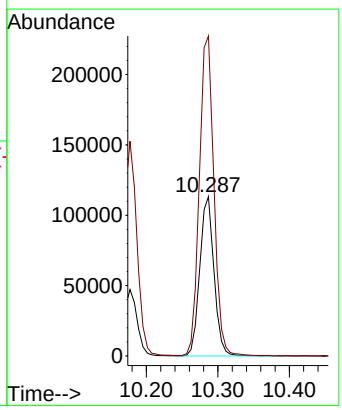
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

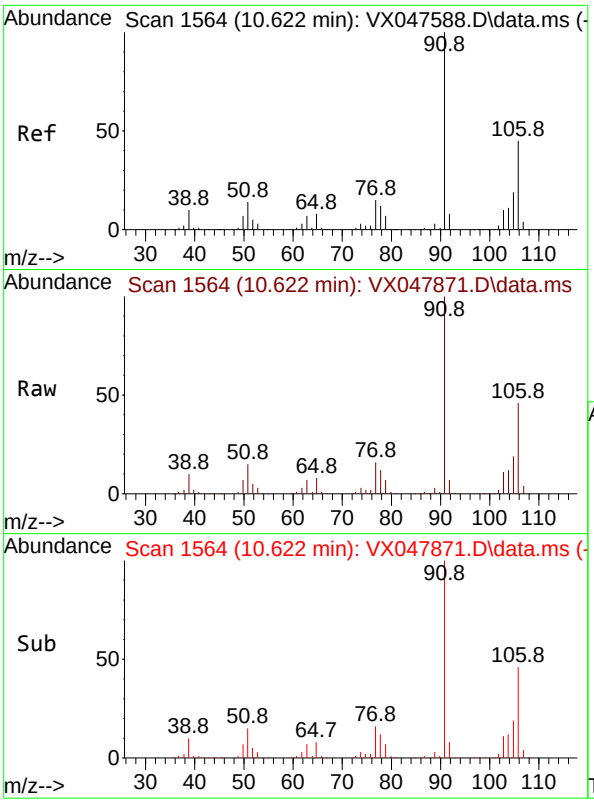


#68
m/p-Xylenes
Concen: 41.014 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:106 Resp: 156280

Ion	Ratio	Lower	Upper
106	100		
91	206.2	167.8	251.8





#69
o-Xylene
Concen: 20.218 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

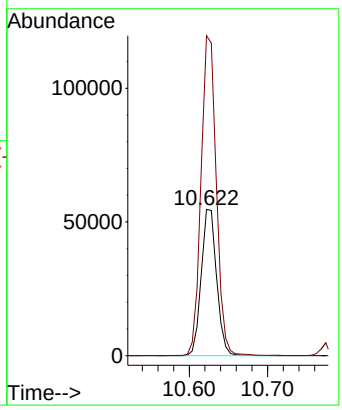
Tgt Ion:106 Resp: 7451

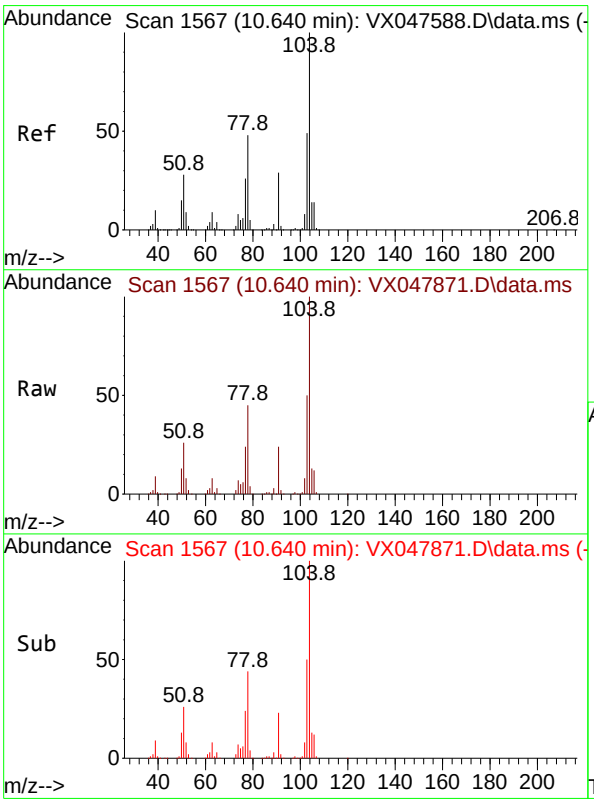
Ion	Ratio	Lower	Upper
106	100		
91	218.1	111.1	333.4

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

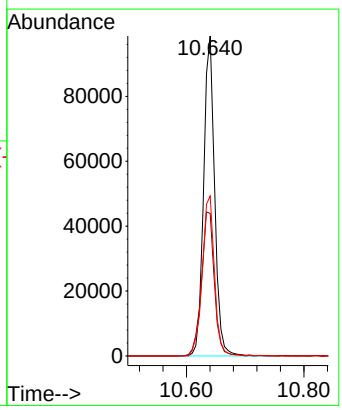


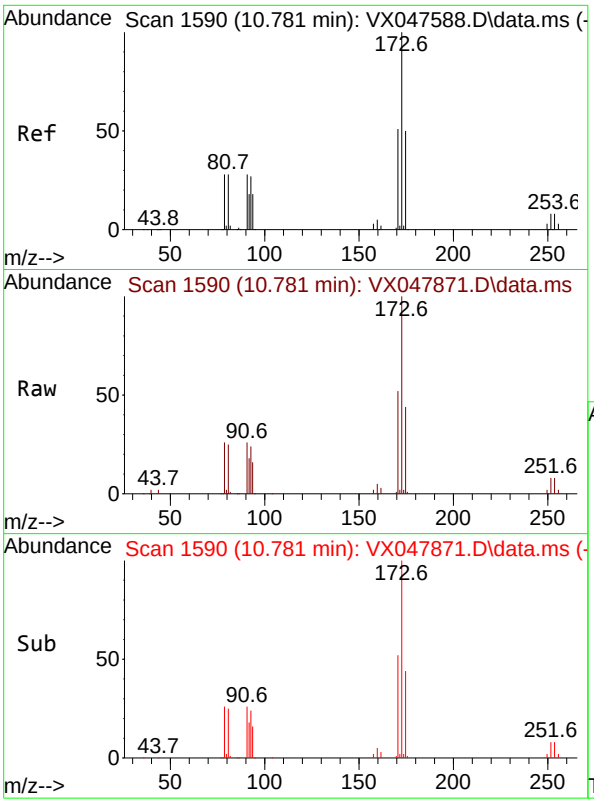


#70
Styrene
Concen: 19.959 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:104 Resp: 128890

Ion	Ratio	Lower	Upper
104	100		
78	52.5	43.1	64.7
103	55.4	43.1	64.7

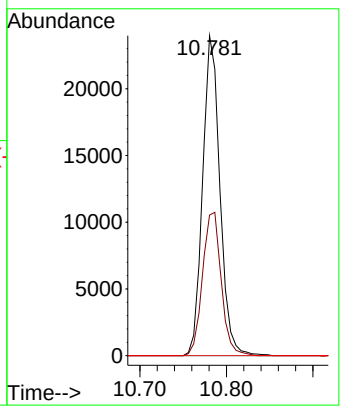




#71
Bromoform
Concen: 21.741 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:173 Resp: 3323

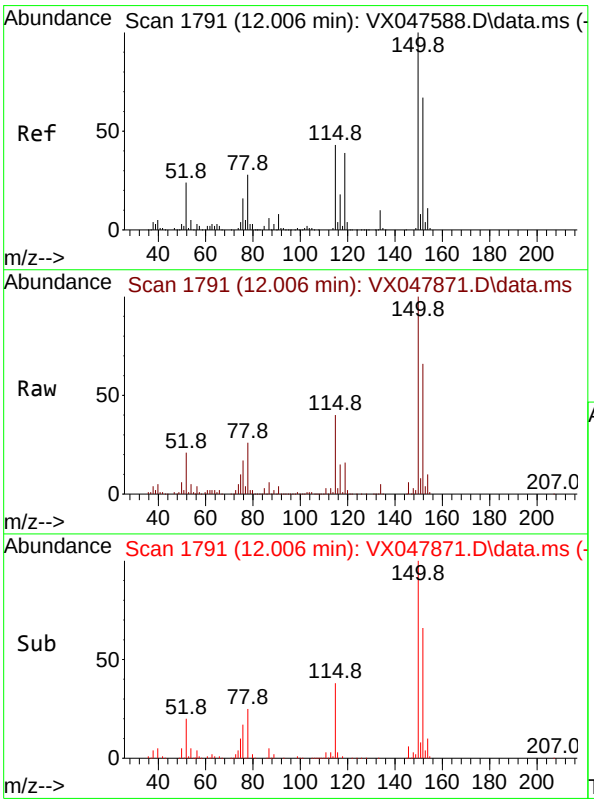
Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.9	74.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

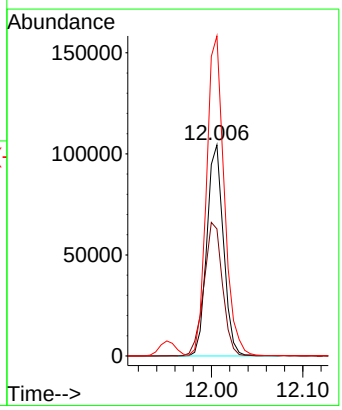
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

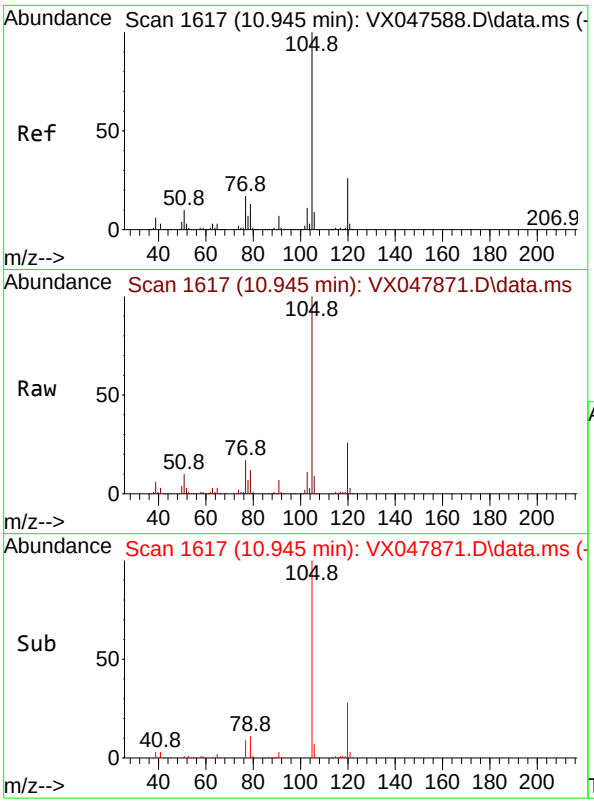


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:152 Resp: 131097

Ion	Ratio	Lower	Upper
152	100		
115	70.8	44.9	134.5
150	162.2	0.0	352.0

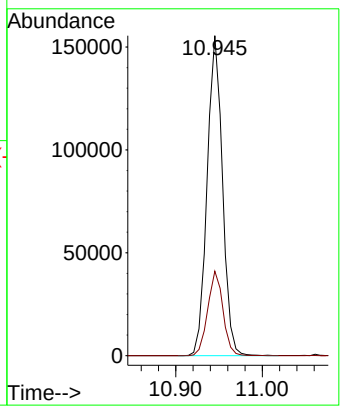




#73
Isopropylbenzene
Concen: 19.194 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:105 Resp: 19130

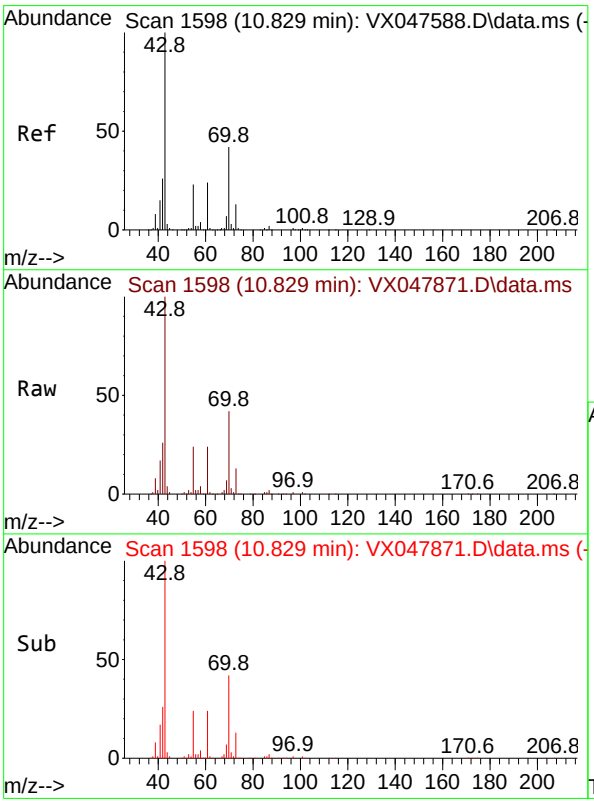
Ion	Ratio	Lower	Upper
105	100		
120	26.3	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

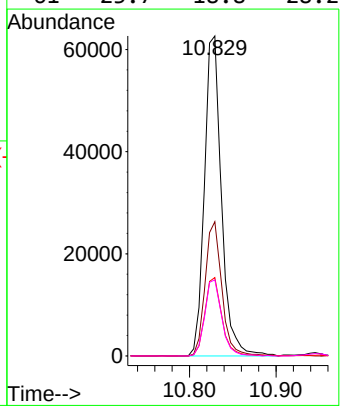
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

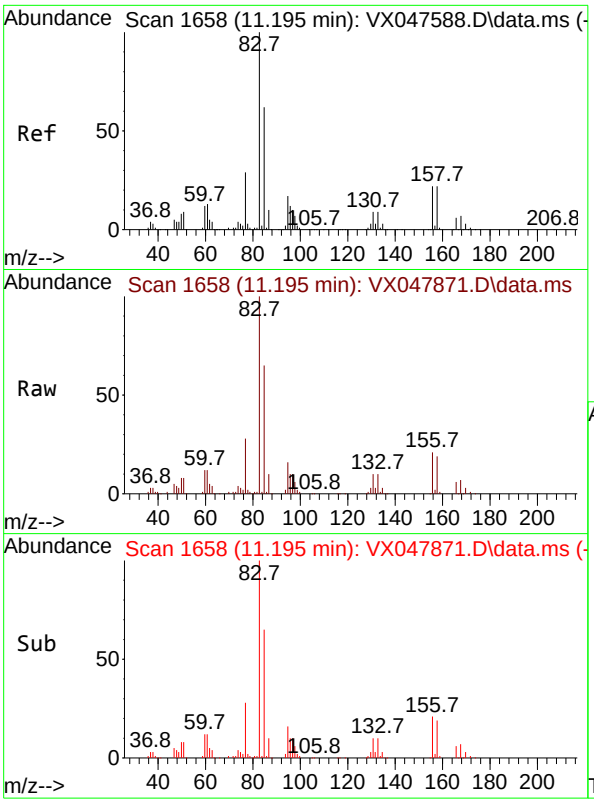


#74
N-amyl acetate
Concen: 18.849 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 43 Resp: 85668

Ion	Ratio	Lower	Upper
43	100		
70	41.2	32.0	48.0
55	24.6	18.9	28.3
61	23.7	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 20.556 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

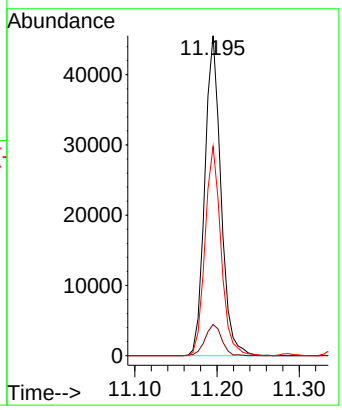
Tgt Ion: 83 Resp: 6198

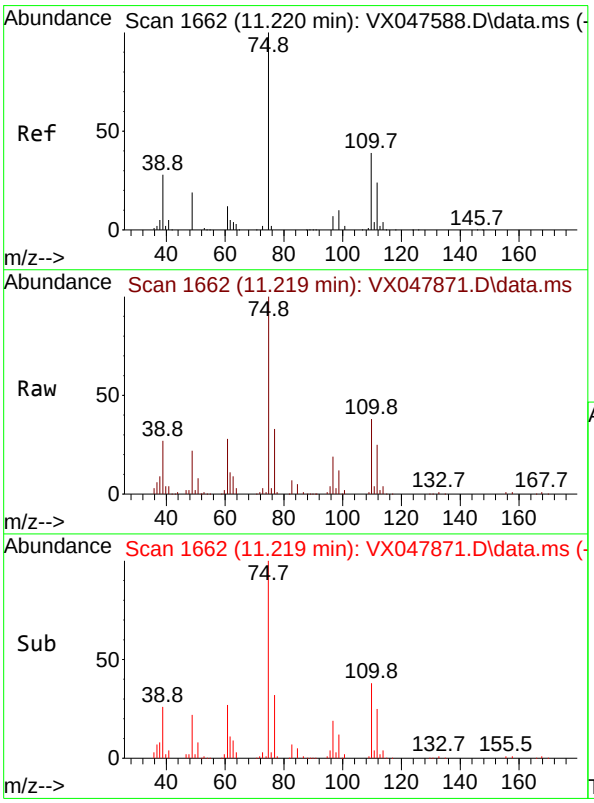
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	64.9	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

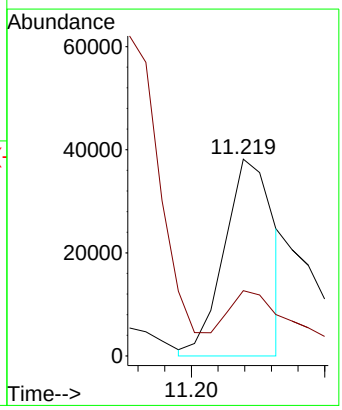


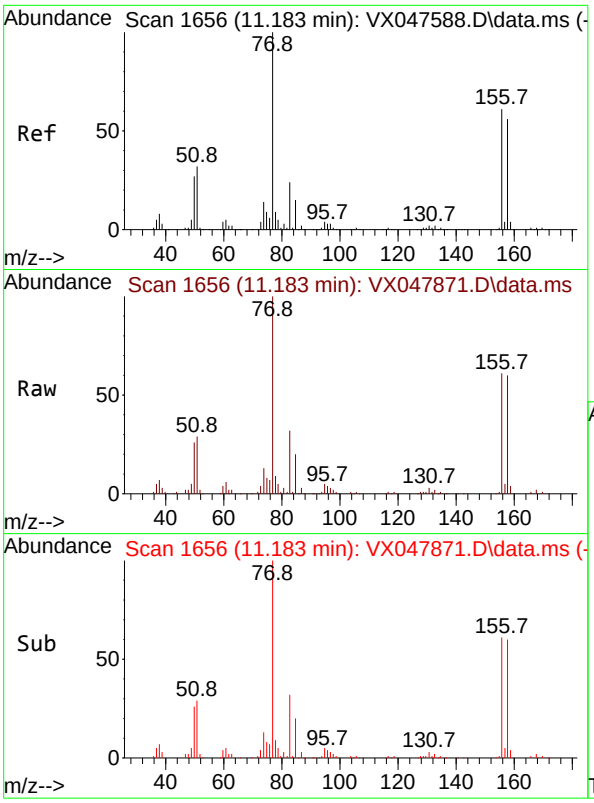


#76
1,2,3-Trichloropropane
Concen: 18.332 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 75 Resp: 48660

Ion	Ratio	Lower	Upper
75	100		
77	44.7	18.8	56.4





#77
Bromobenzene
Concen: 19.454 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

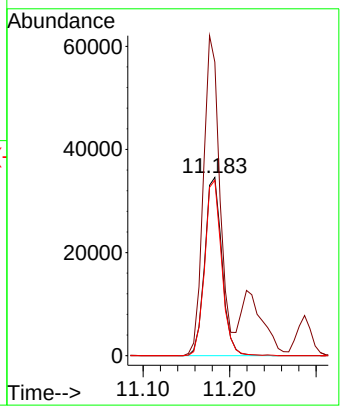
Tgt Ion:156 Resp: 4775

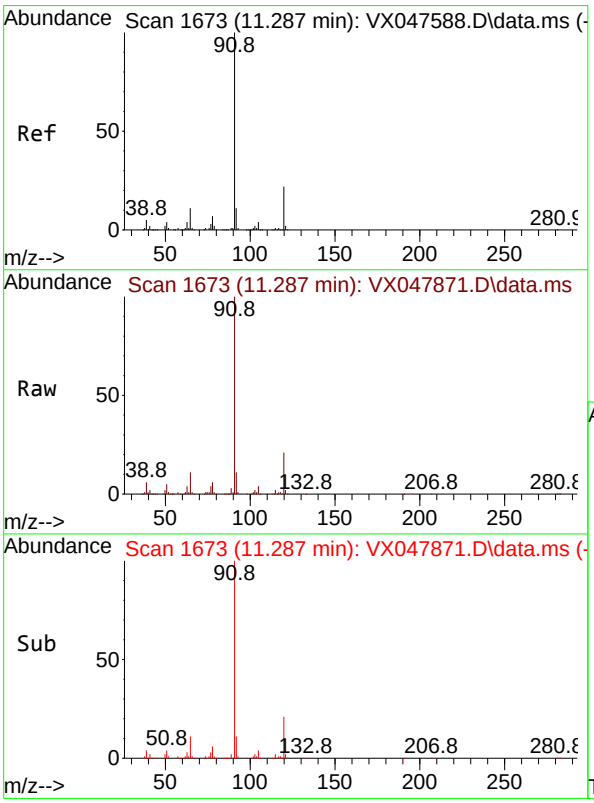
Ion	Ratio	Lower	Upper
156	100		
77	172.9	89.7	269.1
158	96.7	47.9	143.6

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

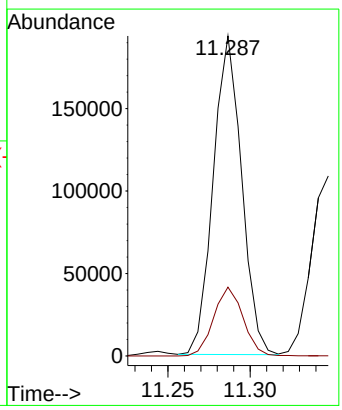


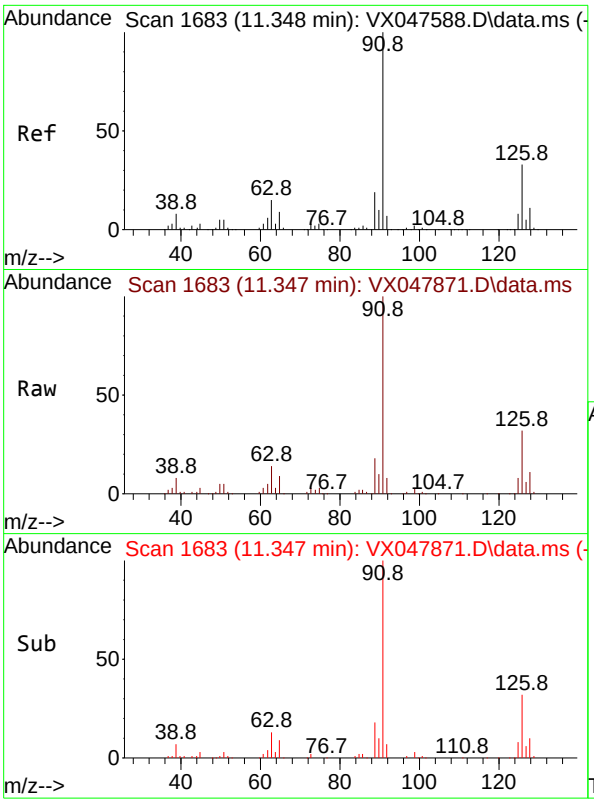


#78
n-propylbenzene
Concen: 19.627 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 91 Resp: 231248

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1





#79
2-Chlorotoluene
Concen: 19.479 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

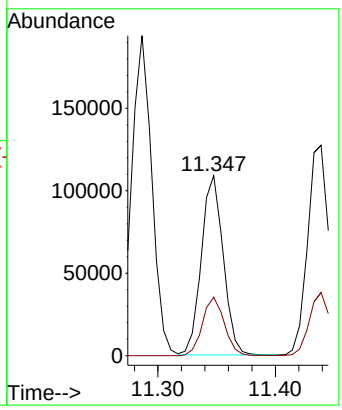
Tgt Ion: 91 Resp: 14056

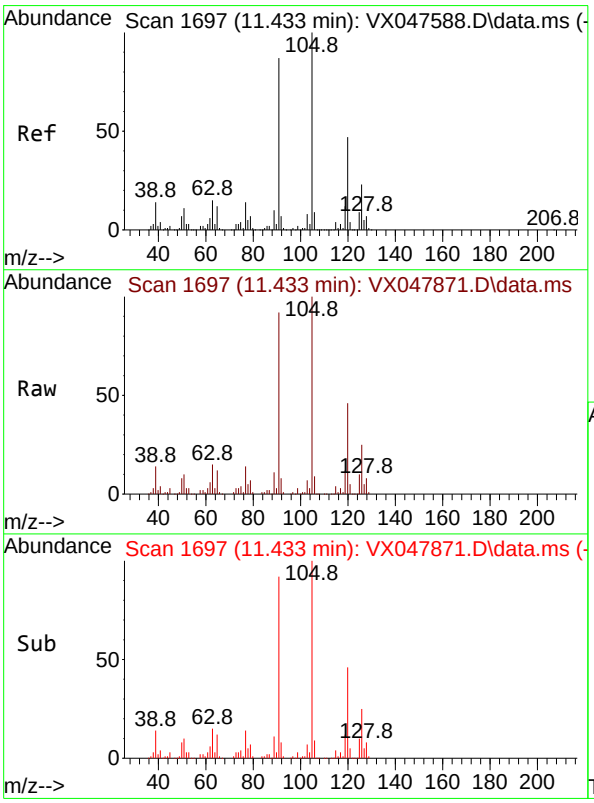
Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.1	48.3

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

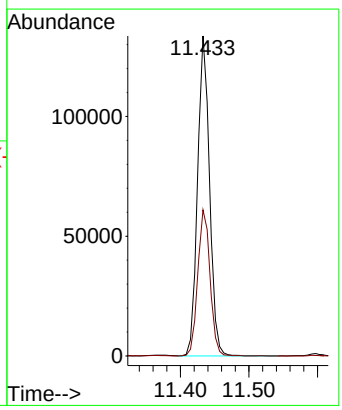


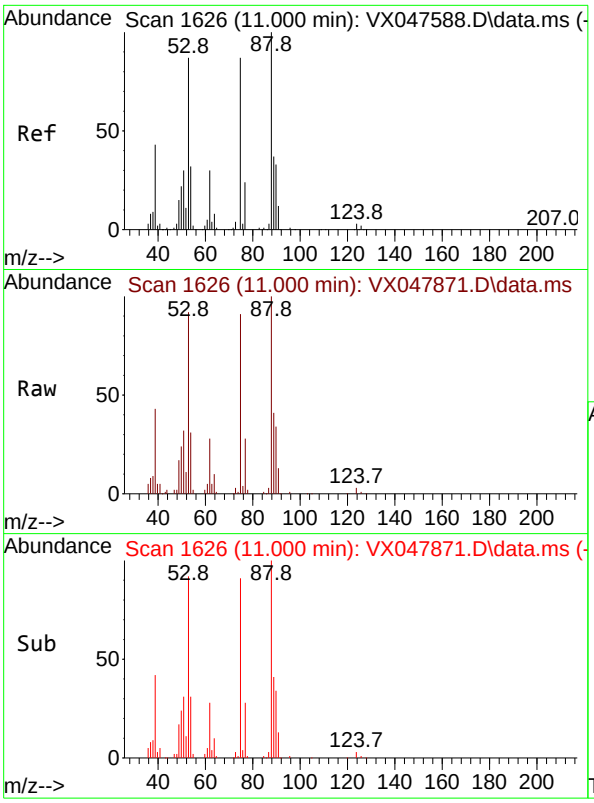


#80
1,3,5-Trimethylbenzene
Concen: 19.872 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:105 Resp: 162726

Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.6	70.8

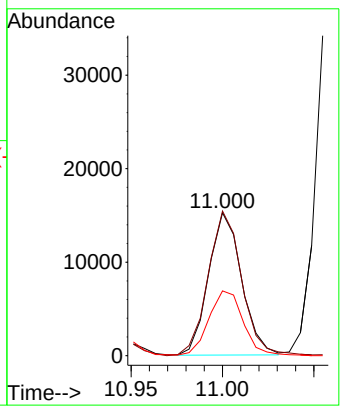




#81
trans-1,4-Dichloro-2-butene
Concen: 18.405 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 75 Resp: 1915

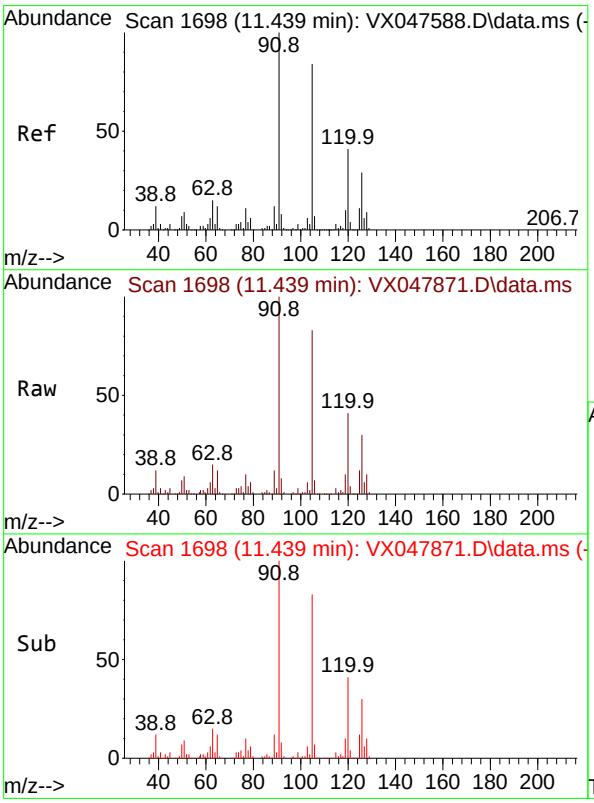
Ion	Ratio	Lower	Upper
75	100		
53	104.4	83.4	125.2
89	47.5	36.3	54.5



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

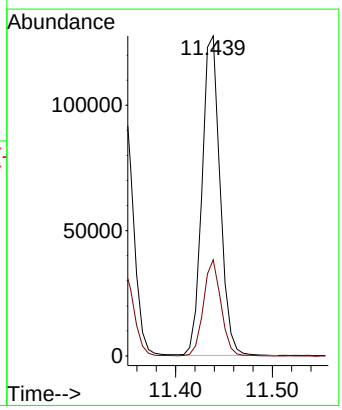
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

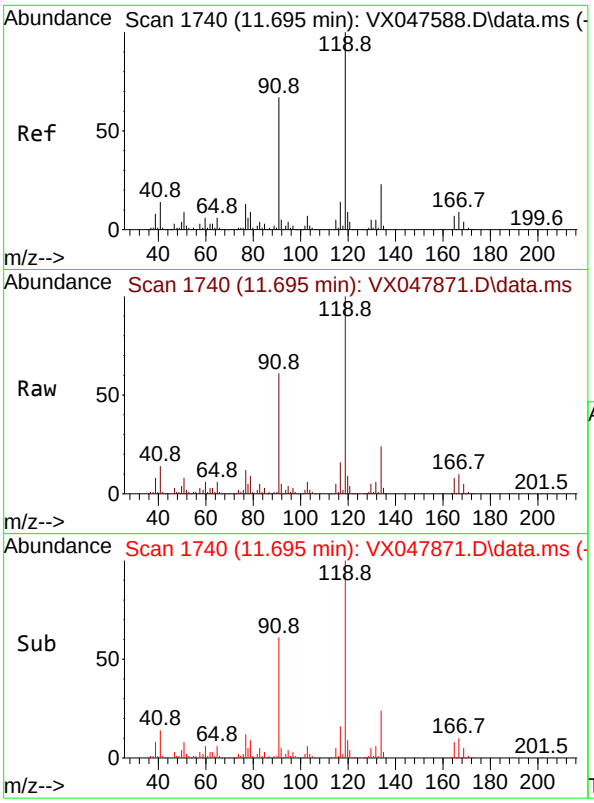


#82
4-Chlorotoluene
Concen: 19.414 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 91 Resp: 165459

Ion	Ratio	Lower	Upper
91	100		
126	29.3	14.2	42.6

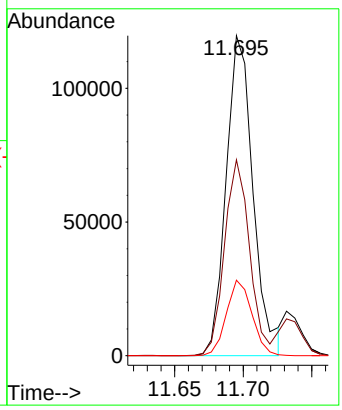




#83
tert-Butylbenzene
Concen: 19.487 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:119 Resp: 16335

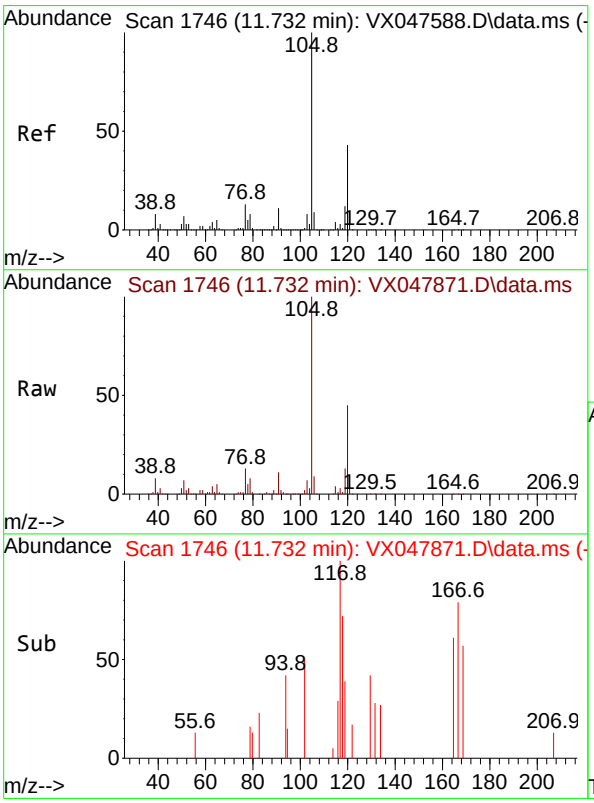
Ion	Ratio	Lower	Upper
119	100		
91	57.2	29.6	88.8
134	22.4	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

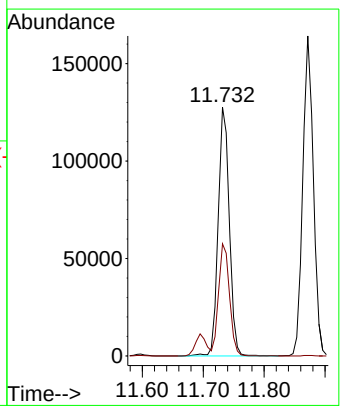
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

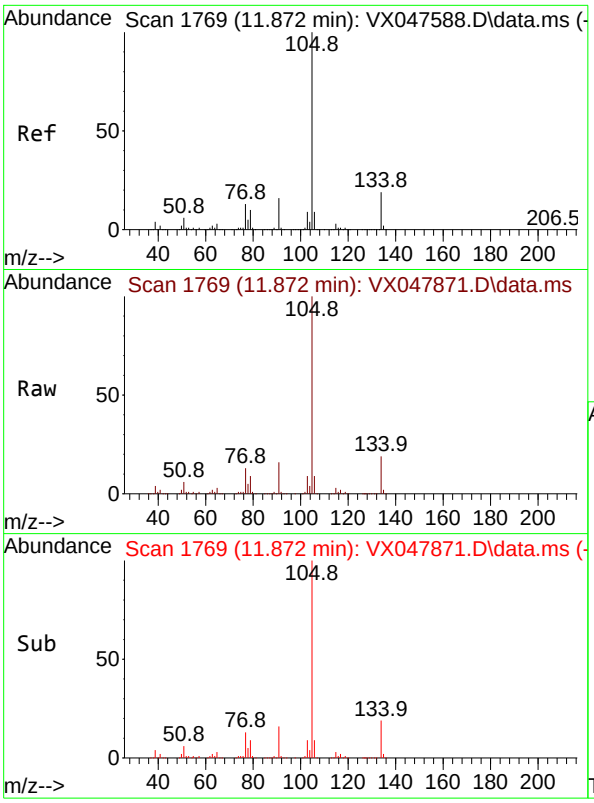


#84
1,2,4-Trimethylbenzene
Concen: 19.462 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:105 Resp: 161571

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.1

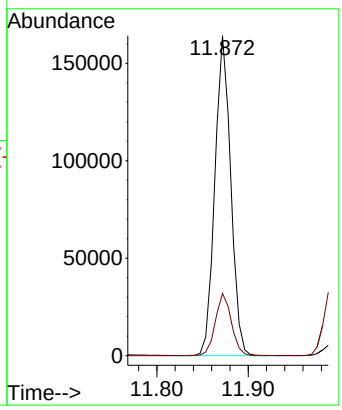




#85
sec-Butylbenzene
Concen: 19.899 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:105 Resp: 19813

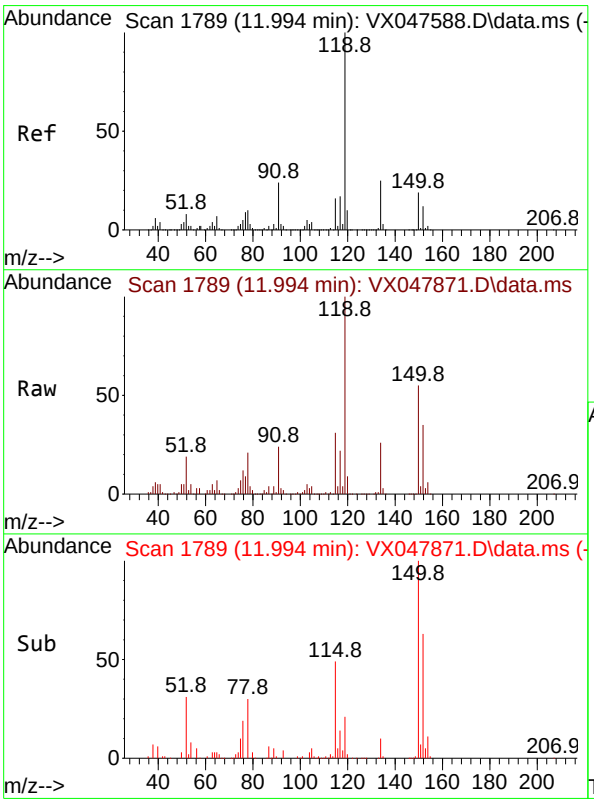
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

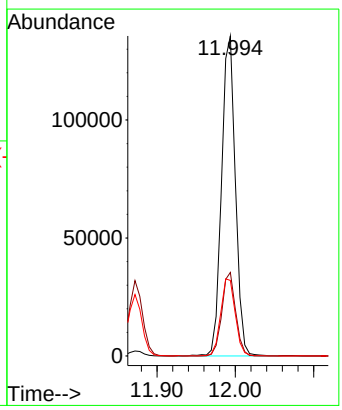
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

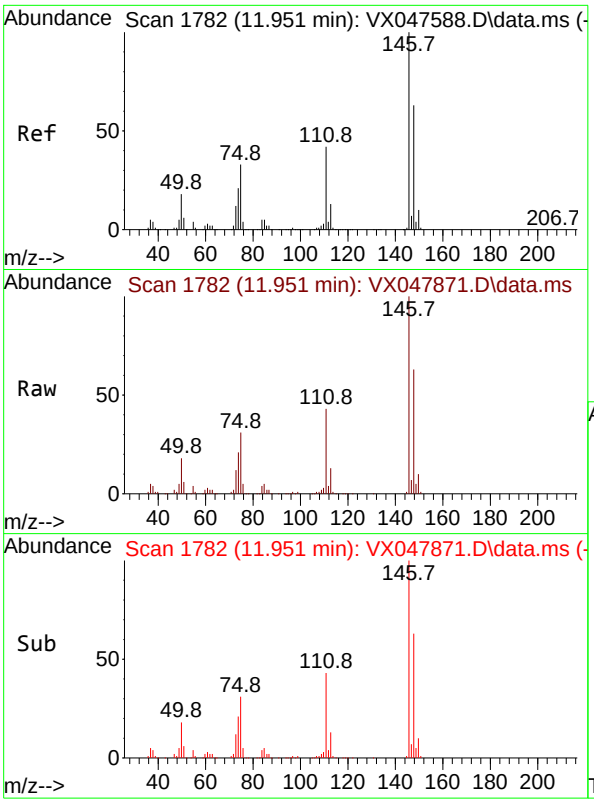


#86
p-Isopropyltoluene
Concen: 19.843 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:119 Resp: 167264

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	25.4	12.6	37.6

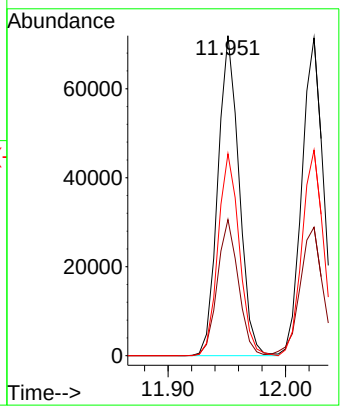




#87
1,3-Dichlorobenzene
Concen: 19.789 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:146 Resp: 9022

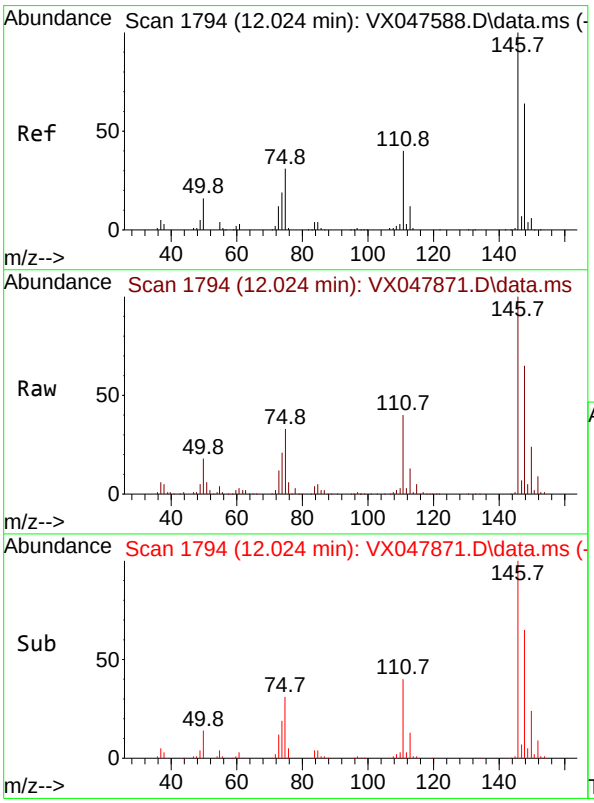
Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.5	64.5
148	63.2	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

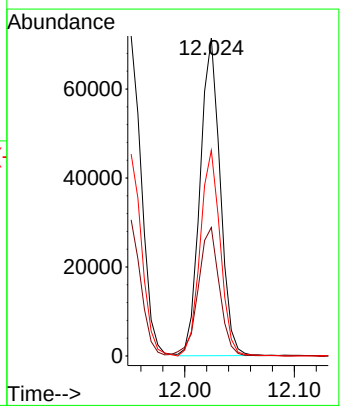
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

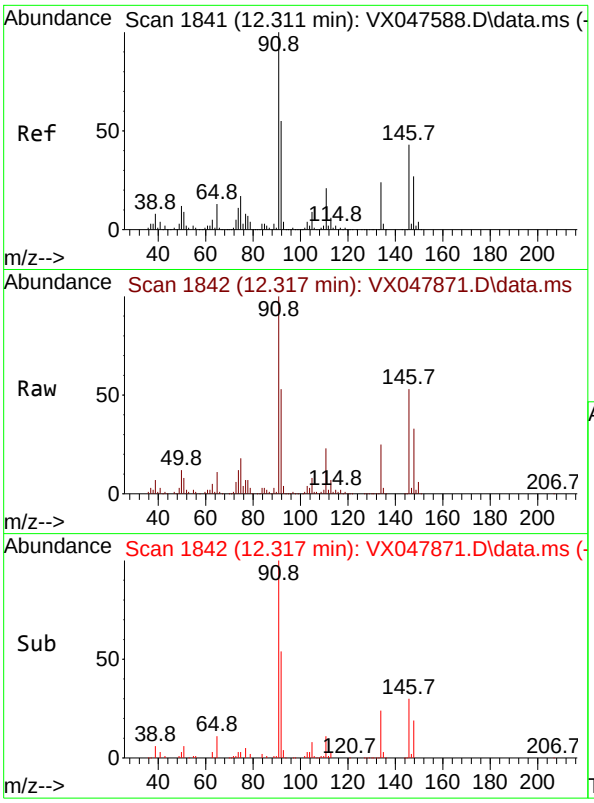


#88
1,4-Dichlorobenzene
Concen: 19.399 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:146 Resp: 90782

Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.8	62.4
148	64.9	31.7	95.1





#89
n-Butylbenzene
Concen: 20.006 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

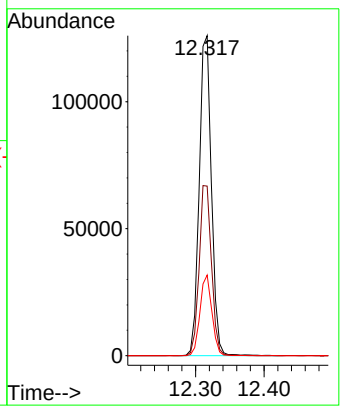
Tgt Ion: 91 Resp: 15603

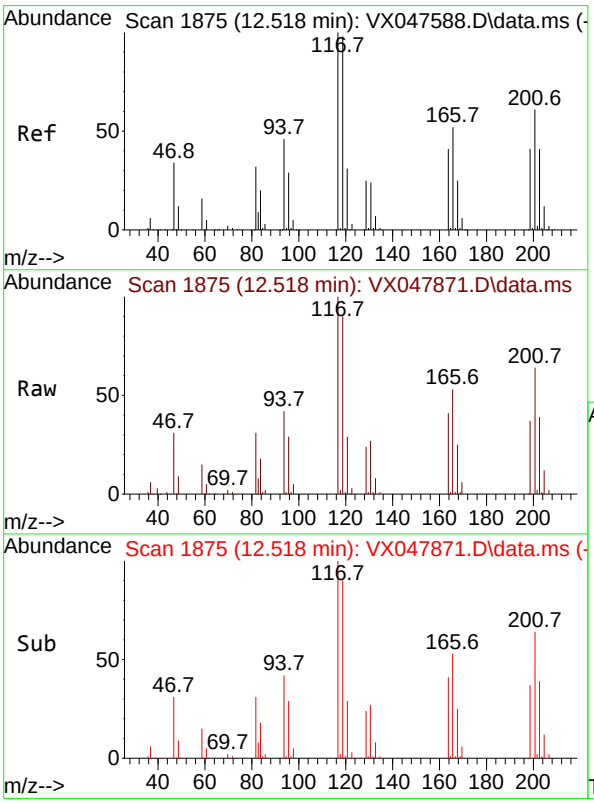
Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.6	82.7
134	24.7	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

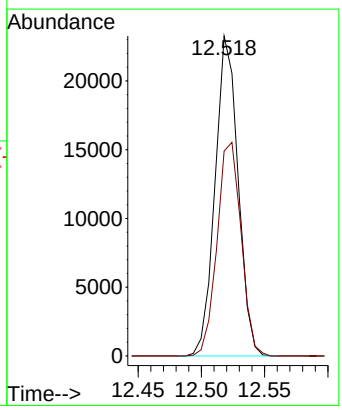


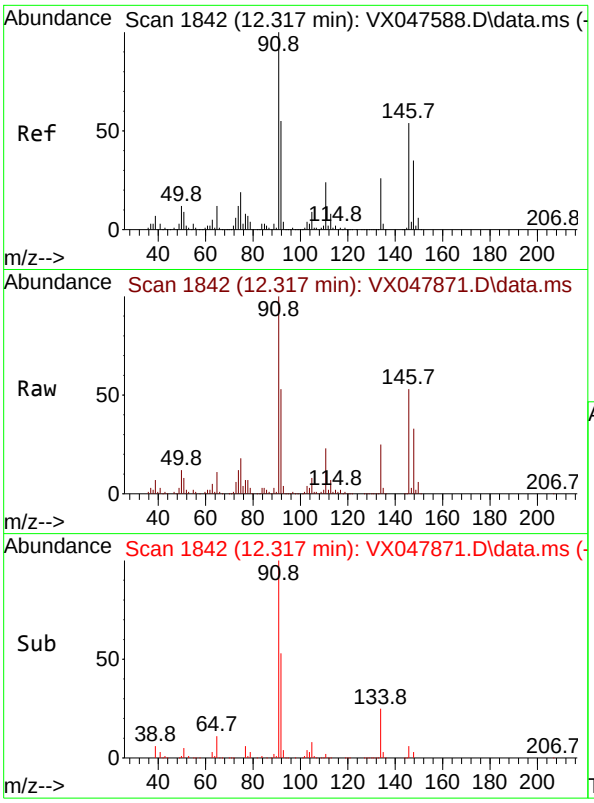


#90
Hexachloroethane
Concen: 19.849 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:117 Resp: 29376

Ion	Ratio	Lower	Upper
117	100		
201	69.9	34.2	102.5

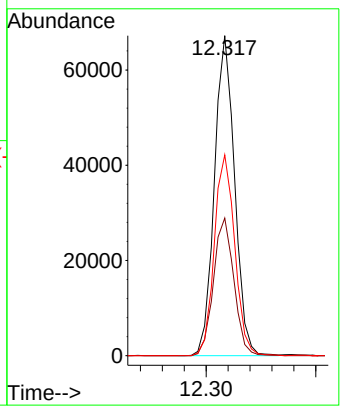




#91
1,2-Dichlorobenzene
Concen: 19.805 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:146 Resp: 8603

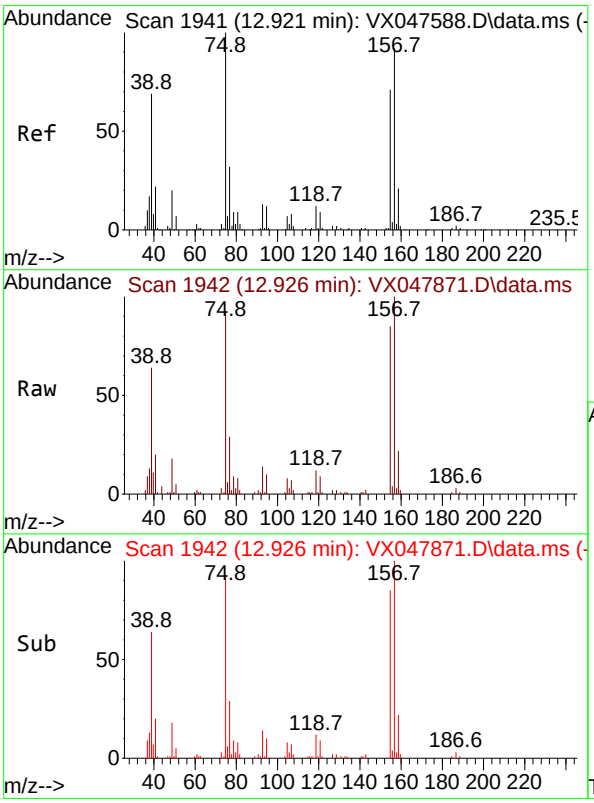
Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.2	66.6
148	63.6	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

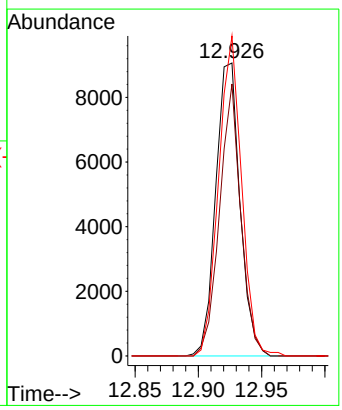
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

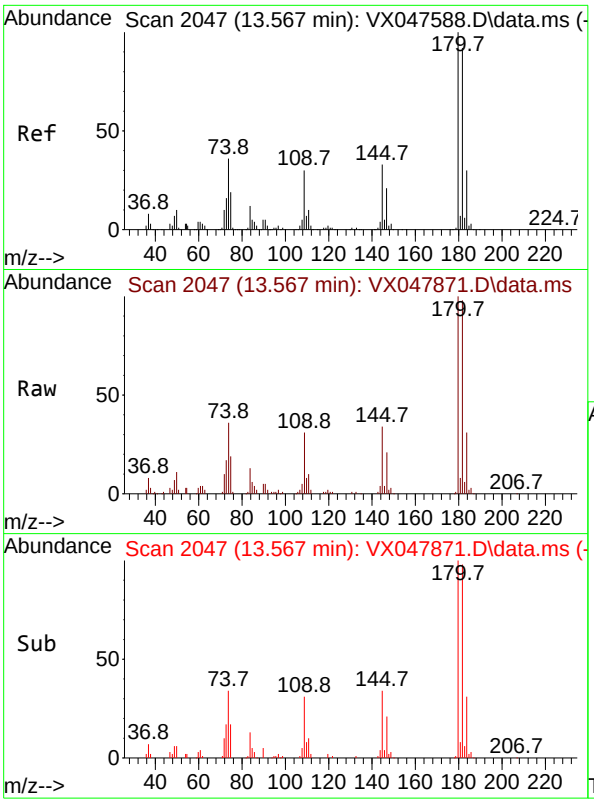


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.809 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 75 Resp: 12094

Ion	Ratio	Lower	Upper
75	100		
155	81.3	37.7	113.1
157	103.3	49.8	149.4

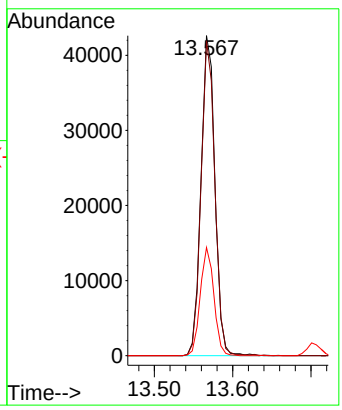




#93
1,2,4-Trichlorobenzene
Concen: 18.597 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:180 Resp: 5250

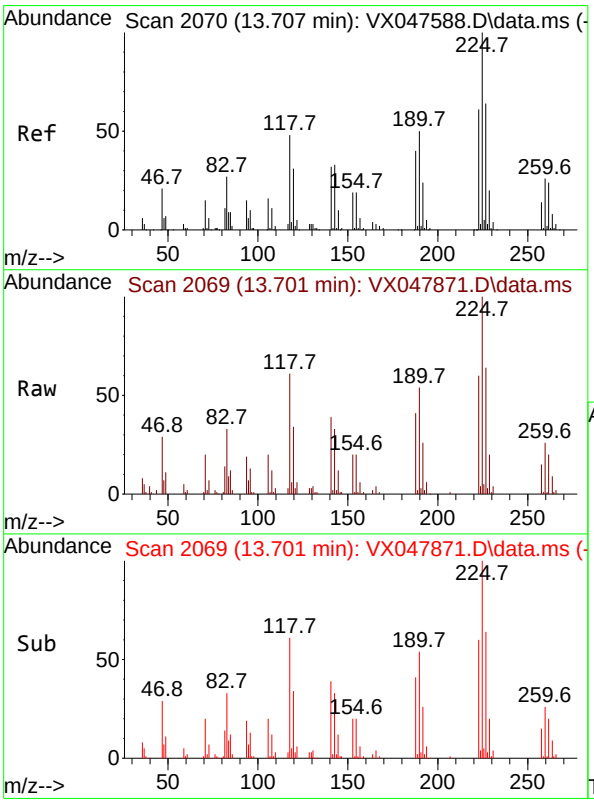
Ion	Ratio	Lower	Upper
180	100		
182	97.4	46.6	139.8
145	33.2	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

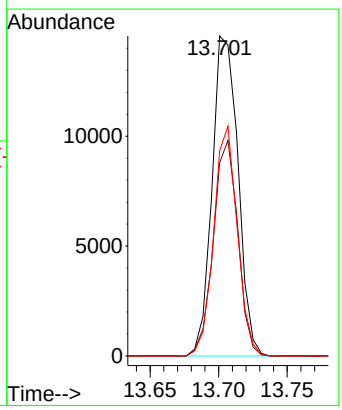
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

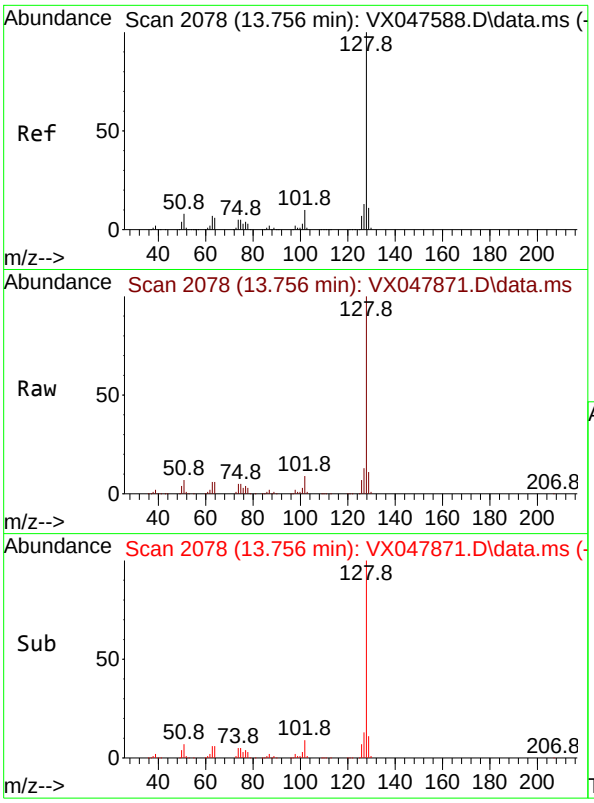


#94
Hexachlorobutadiene
Concen: 19.953 ug/l
RT: 13.701 min Scan# 2069
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:225 Resp: 19133

Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.7	95.1
227	65.4	32.0	96.0

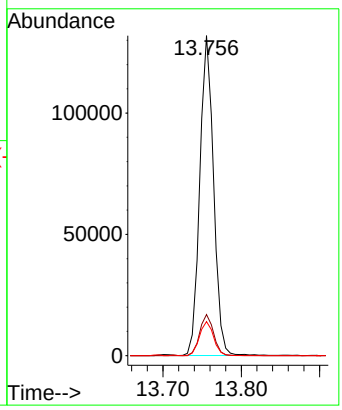




#95
Naphthalene
Concen: 18.719 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:128 Resp: 160918

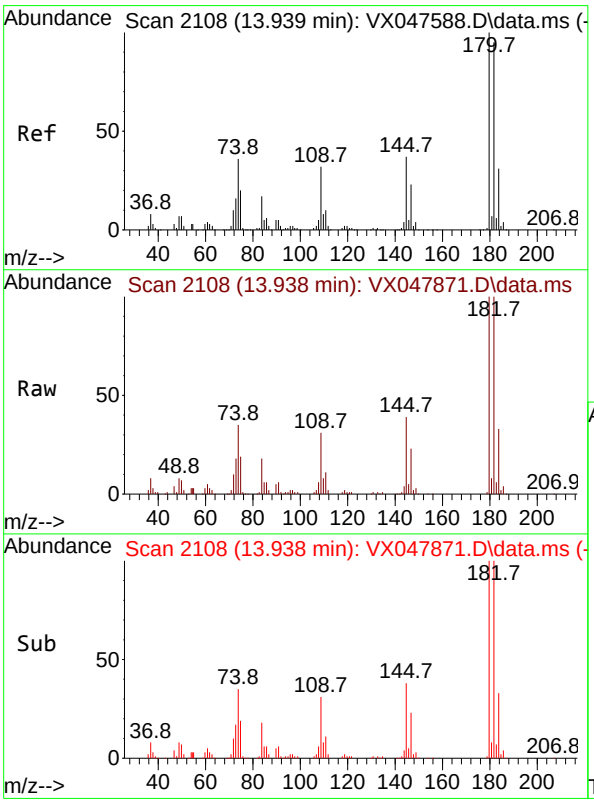
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.0	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Manual Integrations
APPROVED

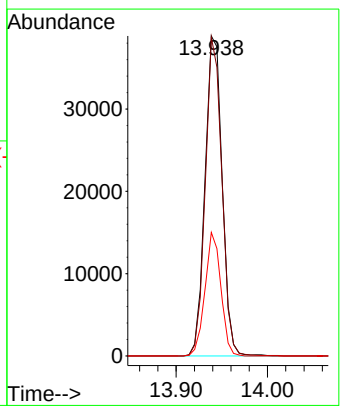
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.272 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:180 Resp: 50611

Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.6	142.8
145	35.9	17.9	53.7



Raw Data: **VX047899.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0930WBS01	SDG No.:	Q3213
Lab Sample ID:	VX0930WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047899.D	1	09/30/25 11:06	VX093025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	21.4		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	19.4		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	20.6		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	21.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	21.1		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	21.0		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.9		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.3		0.23	0.75	1.00	ug/L
67-64-1	Acetone	110		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	19.3		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.7		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	22.9		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	21.6		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.5		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	21.1		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	19.0		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.8		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.8		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	22.8		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	22.0		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.8		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	18.5		0.16	0.50	1.00	ug/L
71-43-2	Benzene	20.9		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.8		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	20.5		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.3		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	21.5		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	2.50	5.00	ug/L
108-88-3	Toluene	20.9		0.14	0.50	1.00	ug/L

Raw Data: **VX047899.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0930WBS01	SDG No.:	Q3213
Lab Sample ID:	VX0930WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047899.D	1	09/30/25 11:06	VX093025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.6		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.0		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.9		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	22.2		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	22.8		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.6		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	20.5		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.8		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	40.6		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	20.2		0.12	0.50	1.00	ug/L
100-42-5	Styrene	20.5		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	21.7		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	19.0		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.3		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.7		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.9		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.9		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.7		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.1		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.2		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.0		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	51.0		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	140000	5.537				
540-36-3	1,4-Difluorobenzene	252000	6.744				
3114-55-4	Chlorobenzene-d5	232000	10.036				
3855-82-1	1,4-Dichlorobenzene-d4	117000	12.006				

Raw Data: **VX047899.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0930WBS01	SDG No.:	Q3213
Lab Sample ID:	VX0930WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047899.D	1	09/30/25 11:06	VX093025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047899.D
Acq On : 30 Sep 2025 11:06
Operator : JC/MD
Sample : VX0930WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 01 01:05:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	139945	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.744	114	252162	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	231700	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	116962	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	111456	50.035	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.060%			
35) Dibromofluoromethane	5.367	113	88183	52.144	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.280%			
50) Toluene-d8	8.634	98	298245	50.968	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.940%			
62) 4-Bromofluorobenzene	11.061	95	114694	51.645	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.178	85	31074	21.443	ug/l	100
3) Chloromethane	1.300	50	37023	19.439	ug/l	97
4) Vinyl Chloride	1.379	62	38369	20.580	ug/l	100
5) Bromomethane	1.617	94	24885	21.049	ug/l	97
6) Chloroethane	1.696	64	26261	21.075	ug/l	98
7) Trichlorofluoromethane	1.898	101	58065	20.976	ug/l	98
8) Diethyl Ether	2.135	74	23817	21.032	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.330	101	33865	20.922	ug/l	98
10) Methyl Iodide	2.452	142	44738	17.722	ug/l	99
11) Tert butyl alcohol	2.940	59	24336	98.093	ug/l	98
12) 1,1-Dichloroethene	2.324	96	33782	20.318	ug/l	98
13) Acrolein	2.233	56	17071	74.669	ug/l	94
14) Allyl chloride	2.666	41	66537	19.393	ug/l	96
15) Acrylonitrile	3.056	53	101872	110.857	ug/l	99
16) Acetone	2.373	43	102419	105.744	ug/l	98
17) Carbon Disulfide	2.513	76	87847	19.299	ug/l	98
18) Methyl Acetate	2.696	43	49397	22.917	ug/l	97
19) Methyl tert-butyl Ether	3.105	73	125472	20.672	ug/l	96
20) Methylene Chloride	2.788	84	44362	21.638	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	36680	20.491	ug/l	94
22) Diisopropyl ether	3.751	45	141324	21.254	ug/l	97
23) Vinyl Acetate	3.708	43	552550	103.827	ug/l	100
24) 1,1-Dichloroethane	3.605	63	74644	21.120	ug/l	97
25) 2-Butanone	4.537	43	133106	110.173	ug/l	100
26) 2,2-Dichloropropane	4.464	77	60806	20.697	ug/l	99
27) cis-1,2-Dichloroethene	4.476	96	45621	20.810	ug/l	99
28) Bromochloromethane	4.879	49	35248	22.845	ug/l	98
29) Tetrahydrofuran	4.989	42	78796	108.416	ug/l	99
30) Chloroform	5.074	83	78555	21.995	ug/l	99
31) Cyclohexane	5.458	56	56003	19.026	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	63051	20.814	ug/l	99
36) 1,1-Dichloropropene	5.684	75	47877	19.374	ug/l	98
37) Ethyl Acetate	4.696	43	55026	20.797	ug/l	98
38) Carbon Tetrachloride	5.659	117	53161	19.800	ug/l	96
39) Methylcyclohexane	7.366	83	51798	18.466	ug/l	97
40) Benzene	6.019	78	156993	20.917	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047899.D
Acq On : 30 Sep 2025 11:06
Operator : JC/MD
Sample : VX0930WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 01 01:05:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.897	41	29878	21.873	ug/l		98
42) 1,2-Dichloroethane	6.068	62	59274	20.756	ug/l		97
43) Isopropyl Acetate	6.318	43	88344	20.358	ug/l		99
44) Trichloroethene	7.110	130	37124	20.459	ug/l		97
45) 1,2-Dichloropropane	7.415	63	41005	21.336	ug/l		94
46) Dibromomethane	7.567	93	30294	21.661	ug/l		99
47) Bromodichloromethane	7.805	83	62078	21.510	ug/l		98
48) Methyl methacrylate	7.677	41	43226	19.998	ug/l		97
49) 1,4-Dioxane	7.647	88	10293	471.195	ug/l		97
51) 4-Methyl-2-Pentanone	8.555	43	264493	109.932	ug/l		99
52) Toluene	8.701	92	96436	20.855	ug/l		100
53) t-1,3-Dichloropropene	8.963	75	60522	20.559	ug/l		97
54) cis-1,3-Dichloropropene	8.348	75	66061	20.996	ug/l		99
55) 1,1,2-Trichloroethane	9.134	97	39041	21.896	ug/l		97
56) Ethyl methacrylate	9.098	69	57568	20.558	ug/l		99
57) 1,3-Dichloropropane	9.293	76	67303	21.973	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	135613	108.246	ug/l		99
59) 2-Hexanone	9.415	43	188844	109.286	ug/l		100
60) Dibromochloromethane	9.506	129	45550	22.171	ug/l		98
61) 1,2-Dibromoethane	9.591	107	41458	22.828	ug/l		100
64) Tetrachloroethene	9.256	164	29553	19.566	ug/l		98
65) Chlorobenzene	10.061	112	107879	20.495	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.146	131	38886	21.408	ug/l		100
67) Ethyl Benzene	10.177	91	179475	19.761	ug/l		100
68) m/p-Xylenes	10.286	106	137274	40.608	ug/l		99
69) o-Xylene	10.622	106	65978	20.178	ug/l		99
70) Styrene	10.640	104	117279	20.470	ug/l		98
71) Bromoform	10.780	173	29485	21.740	ug/l	#	97
73) Isopropylbenzene	10.945	105	169045	19.011	ug/l		100
74) N-amyl acetate	10.823	43	75908	18.720	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	57365	21.323	ug/l		99
76) 1,2,3-Trichloropropane	11.225	75	43155m	18.223	ug/l		
77) Bromobenzene	11.183	156	43262	19.754	ug/l		98
78) n-propylbenzene	11.286	91	203358	19.346	ug/l		100
79) 2-Chlorotoluene	11.347	91	125246	19.454	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	142350	19.485	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	16033	17.265	ug/l		94
82) 4-Chlorotoluene	11.439	91	147339	19.377	ug/l		98
83) tert-Butylbenzene	11.695	119	141288	18.892	ug/l		98
84) 1,2,4-Trimethylbenzene	11.737	105	144682	19.534	ug/l		98
85) sec-Butylbenzene	11.871	105	172007	19.363	ug/l		100
86) p-Isopropyltoluene	11.993	119	143333	19.059	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	80302	19.740	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	82964	19.871	ug/l		99
89) n-Butylbenzene	12.317	91	131974	18.965	ug/l		98
90) Hexachloroethane	12.518	117	26275	19.900	ug/l		97
91) 1,2-Dichlorobenzene	12.317	146	77273	19.939	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	10179	18.688	ug/l		93
93) 1,2,4-Trichlorobenzene	13.566	180	48099	19.097	ug/l		98
94) Hexachlorobutadiene	13.707	225	16798	19.635	ug/l		98
95) Naphthalene	13.755	128	142292	18.552	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	45008	19.210	ug/l		99

Sample Results: **VX047899.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047899.D
Acq On : 30 Sep 2025 11:06
Operator : JC/MD
Sample : VX0930WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

Quant Time: Oct 01 01:05:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

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

Sample Results: **VX047899.D**

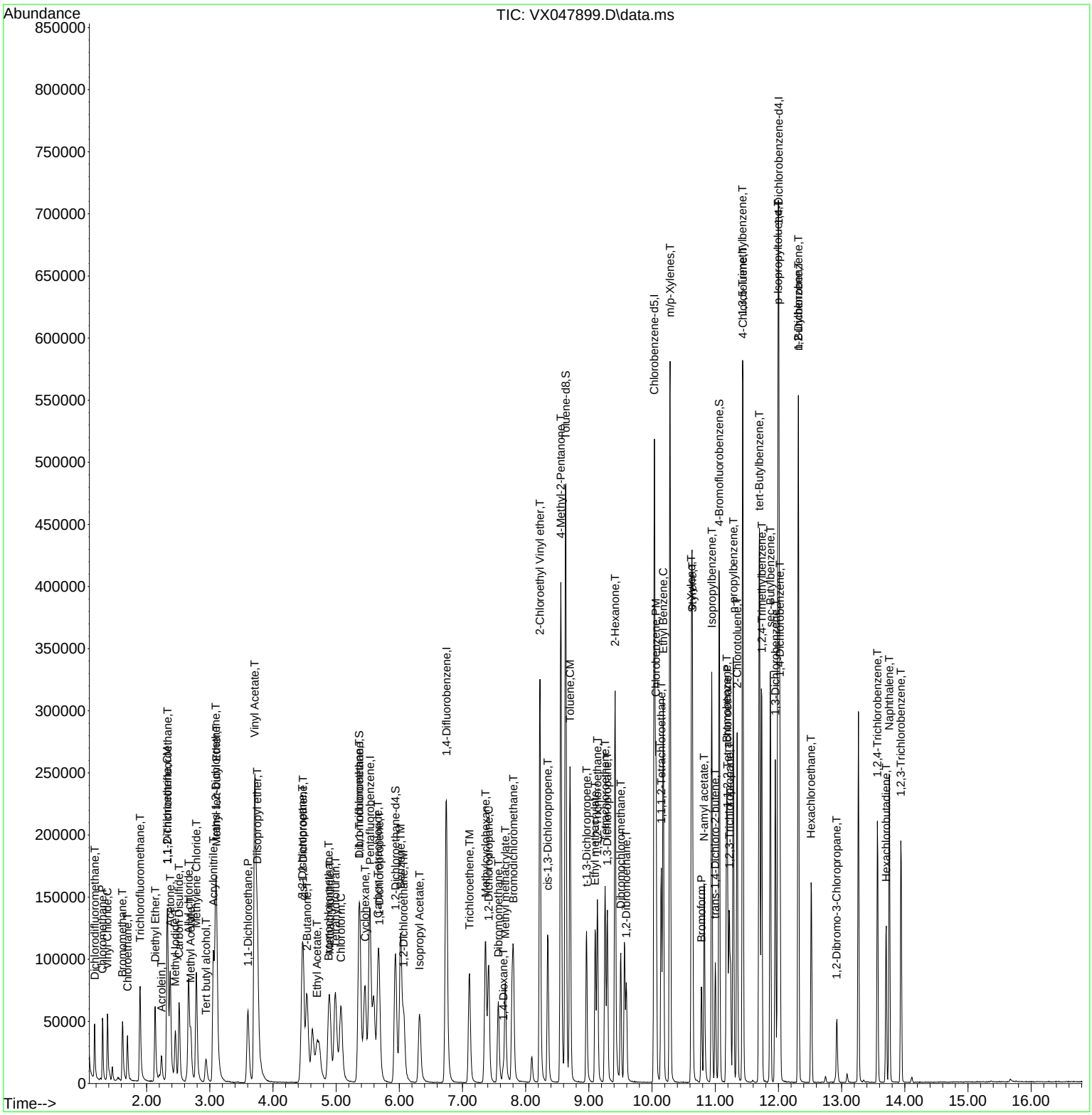
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047899.D
Acq On : 30 Sep 2025 11:06
Operator : JC/MD
Sample : VX0930WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

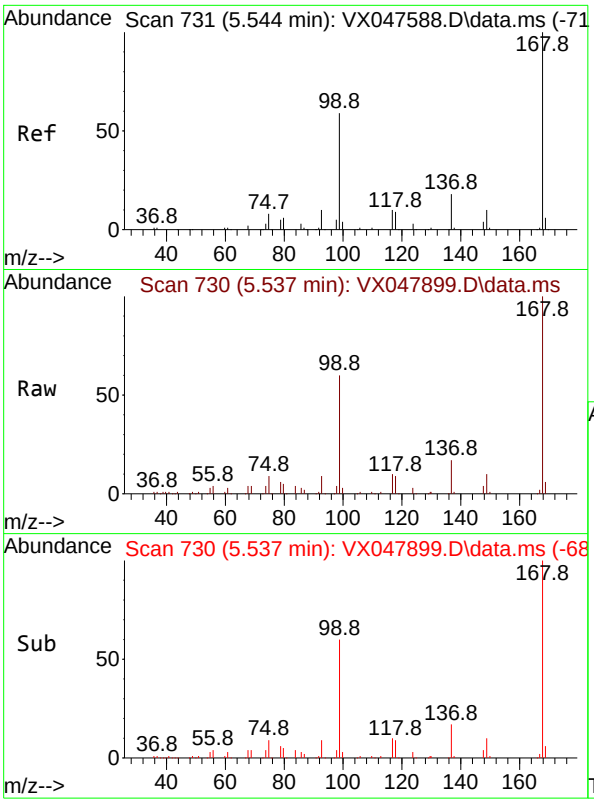
Quant Time: Oct 01 01:05:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

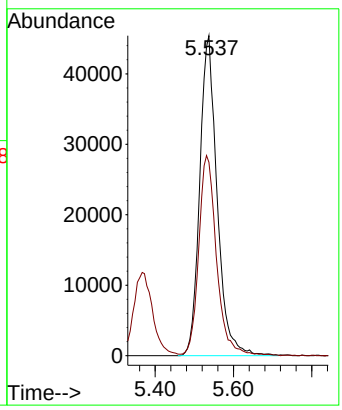




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:168 Resp: 13994

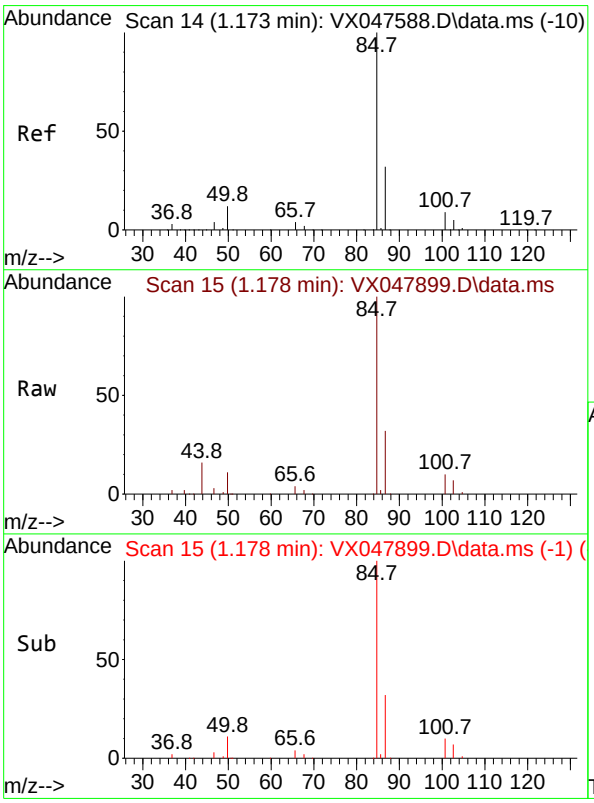
Ion	Ratio	Lower	Upper
168	100		
99	60.3	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

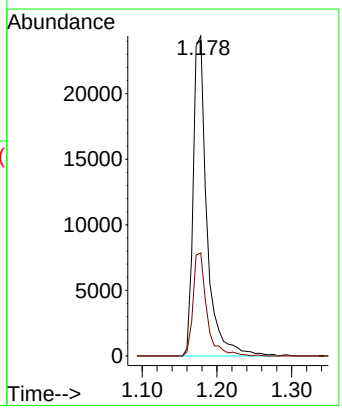
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

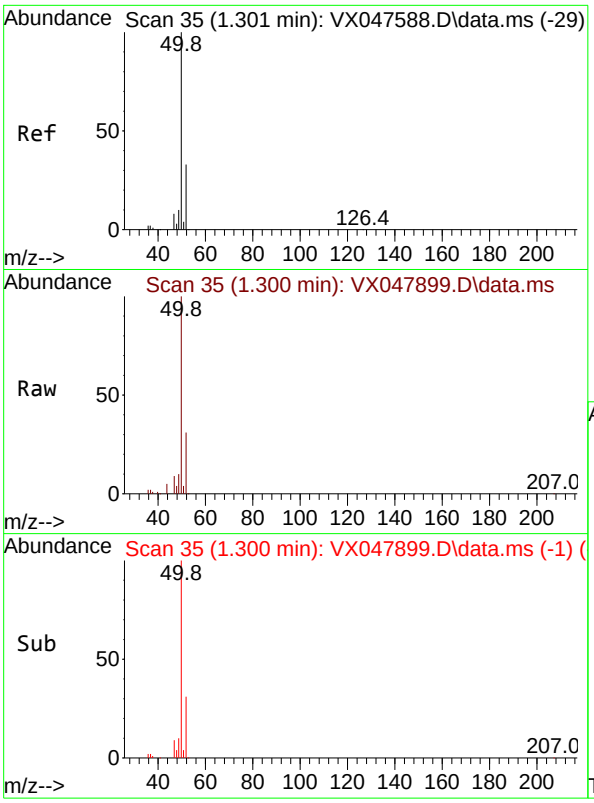


#2
Dichlorodifluoromethane
Concen: 21.443 ug/l
RT: 1.178 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 85 Resp: 31074

Ion	Ratio	Lower	Upper
85	100		
87	31.7	15.8	47.3

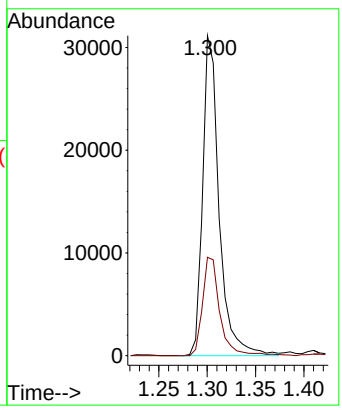




#3
Chloromethane
Concen: 19.439 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 50 Resp: 3702

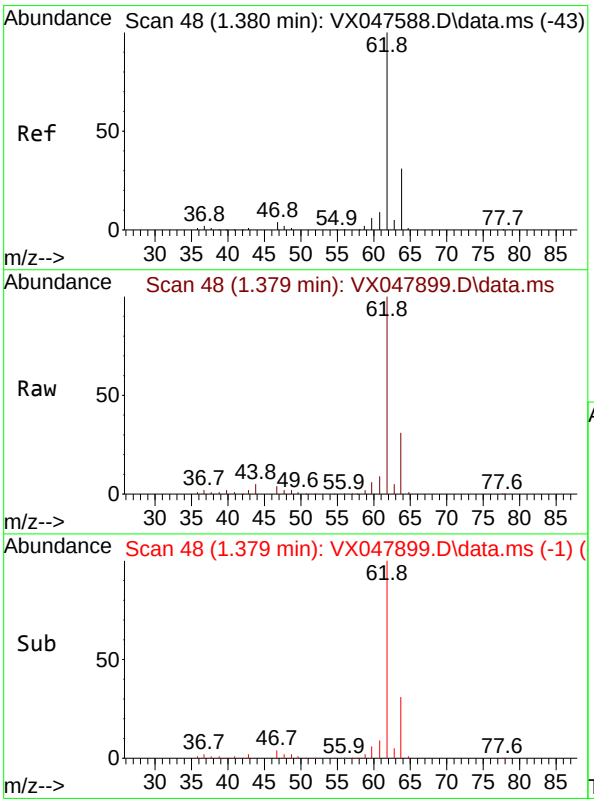
Ion	Ratio	Lower	Upper
50	100		
52	30.8	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

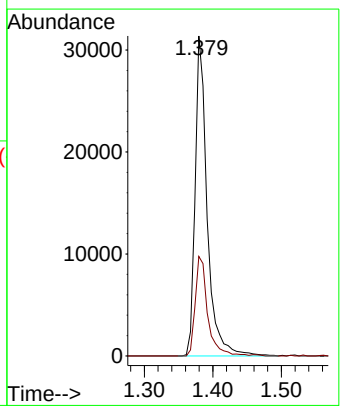
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

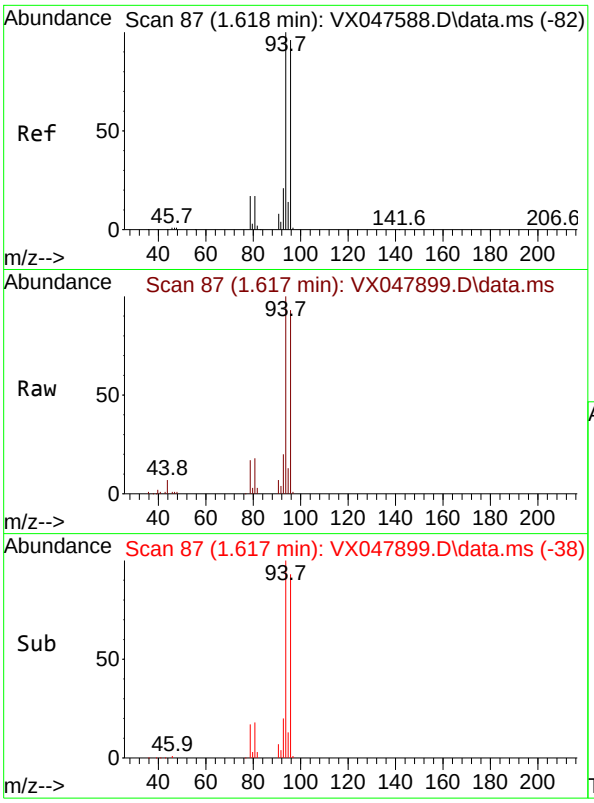


#4
Vinyl Chloride
Concen: 20.580 ug/l
RT: 1.379 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 62 Resp: 38369

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.9	37.3





#5
Bromomethane
Concen: 21.049 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

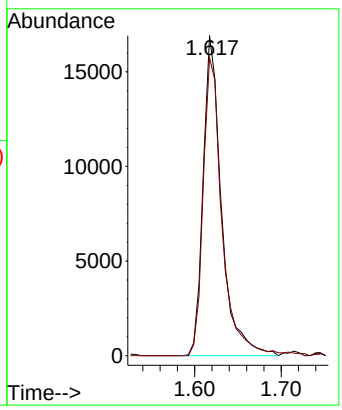
Tgt Ion: 94 Resp: 2488

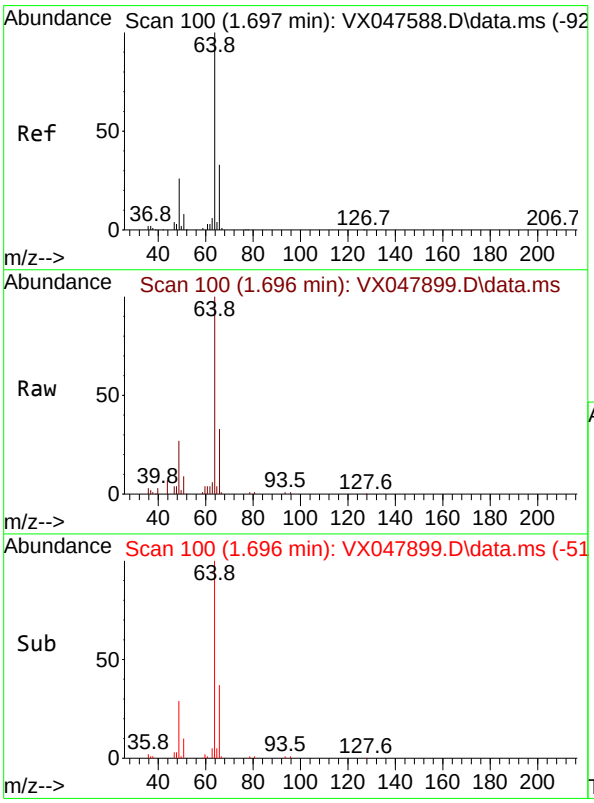
Ion	Ratio	Lower	Upper
94	100		
96	93.0	76.6	115.0

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

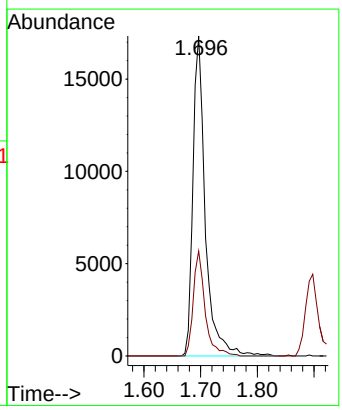


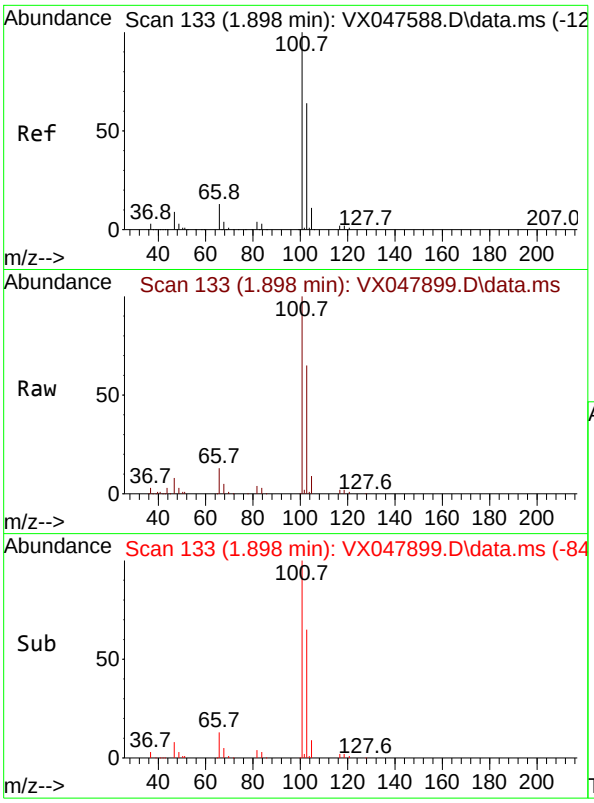


#6
Chloroethane
Concen: 21.075 ug/l
RT: 1.696 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 64 Resp: 26261

Ion	Ratio	Lower	Upper
64	100		
66	33.9	26.1	39.1





#7
Trichlorofluoromethane
Concen: 20.976 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

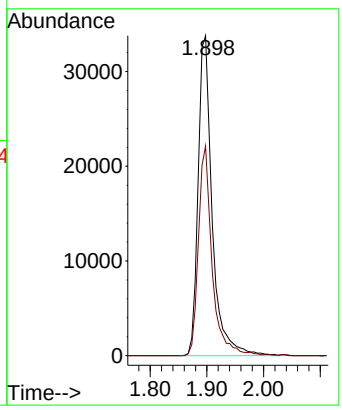
Tgt Ion:101 Resp: 5806

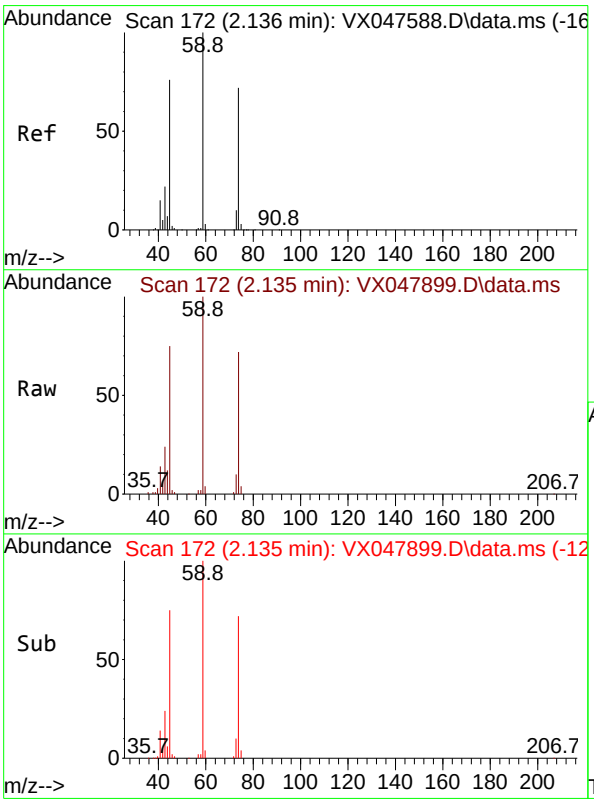
Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.4	77.2

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

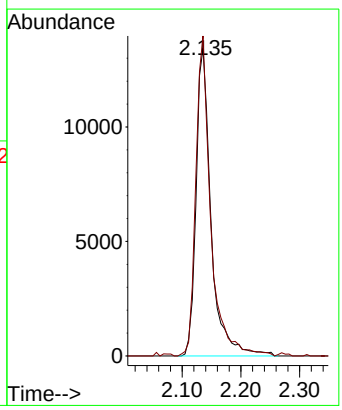


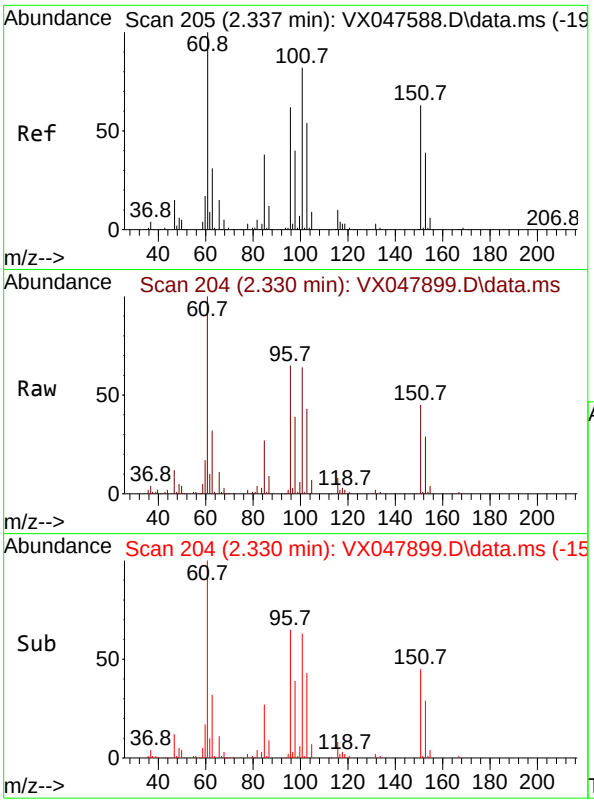


#8
Diethyl Ether
Concen: 21.032 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 74 Resp: 23817

Ion	Ratio	Lower	Upper
74	100		
45	103.6	52.3	156.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.922 ug/l
RT: 2.330 min Scan# 2
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

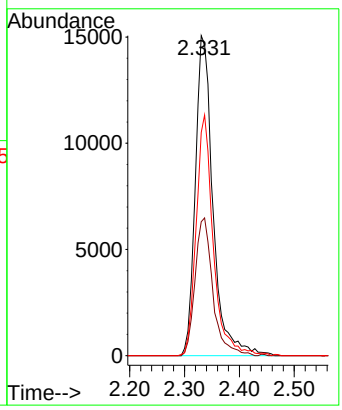
Tgt Ion:101 Resp: 3386

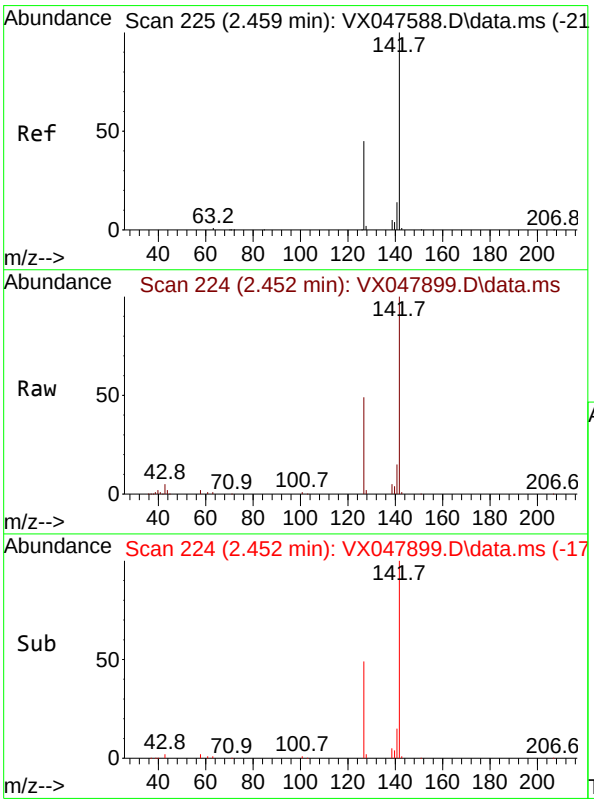
Ion	Ratio	Lower	Upper
101	100		
85	43.4	35.5	53.3
151	72.7	59.4	89.0

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

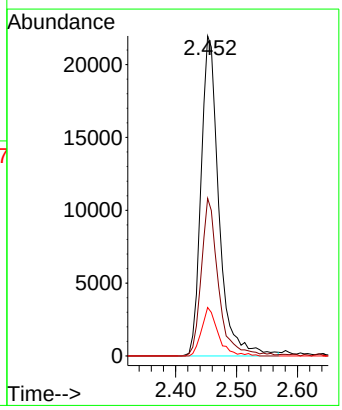


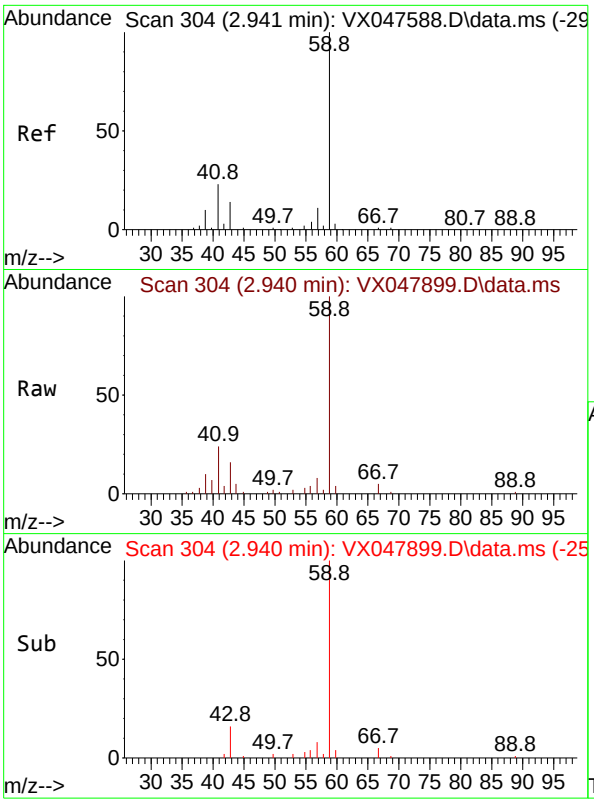


#10
Methyl Iodide
Concen: 17.722 ug/l
RT: 2.452 min Scan# 224
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:142 Resp: 44738

Ion	Ratio	Lower	Upper
142	100		
127	47.2	37.2	55.8
141	14.2	11.4	17.0





#11
Tert butyl alcohol
Concen: 98.093 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

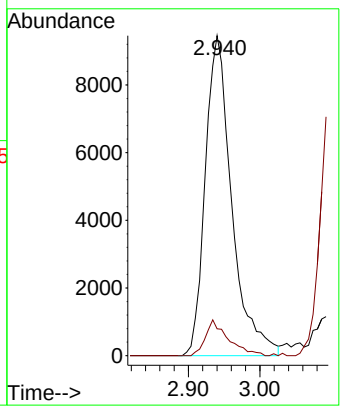
Tgt Ion: 59 Resp: 2433

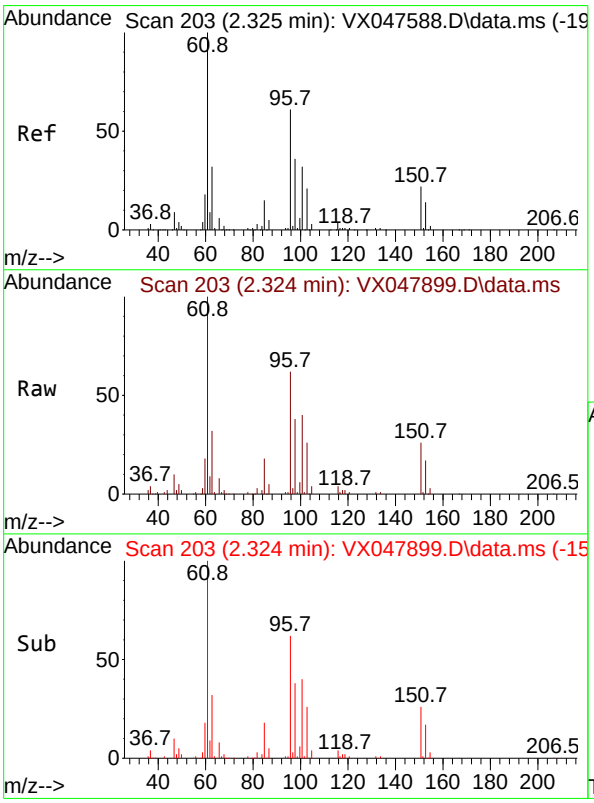
Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

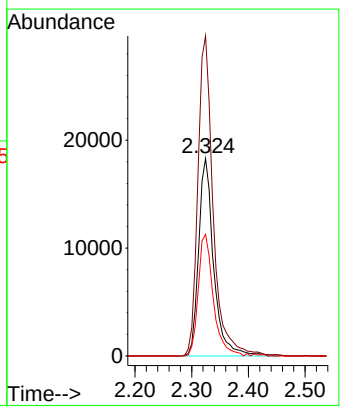


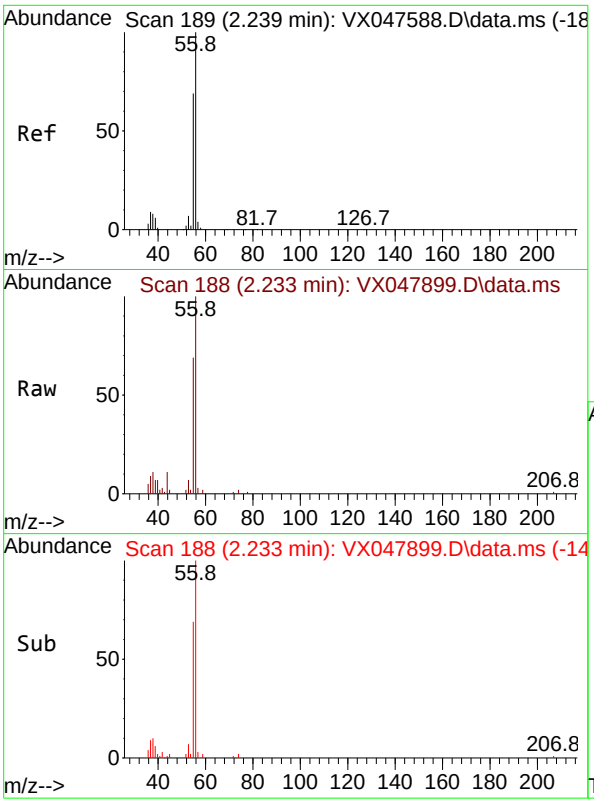


#12
1,1-Dichloroethene
Concen: 20.318 ug/l
RT: 2.324 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 96 Resp: 33782

Ion	Ratio	Lower	Upper
96	100		
61	161.9	131.0	196.6
98	63.1	47.7	71.5

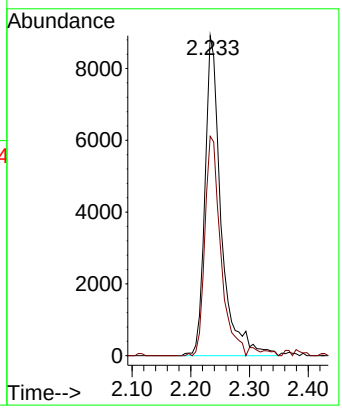




#13
Acrolein
Concen: 74.669 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 56 Resp: 1707

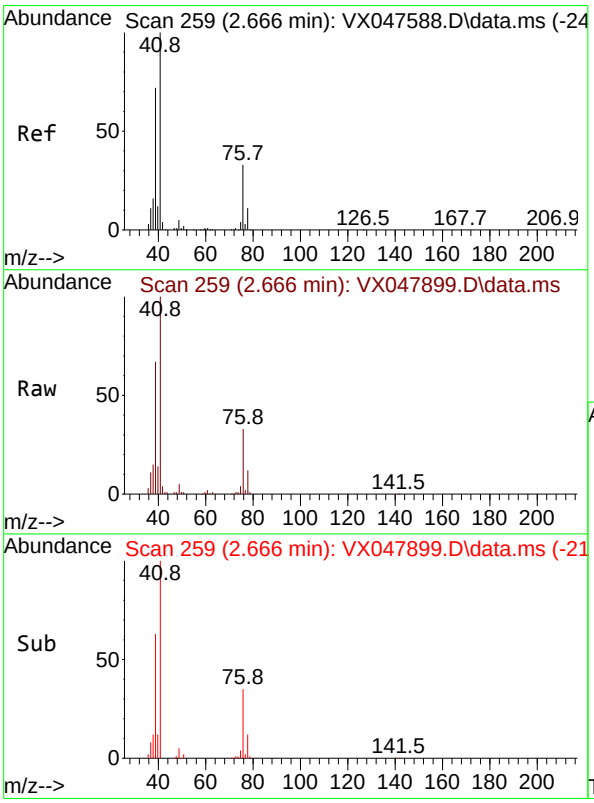
Ion	Ratio	Lower	Upper
56	100		
55	66.9	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

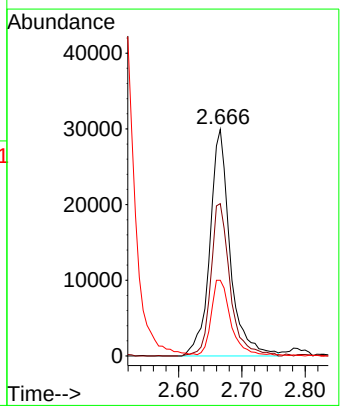
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

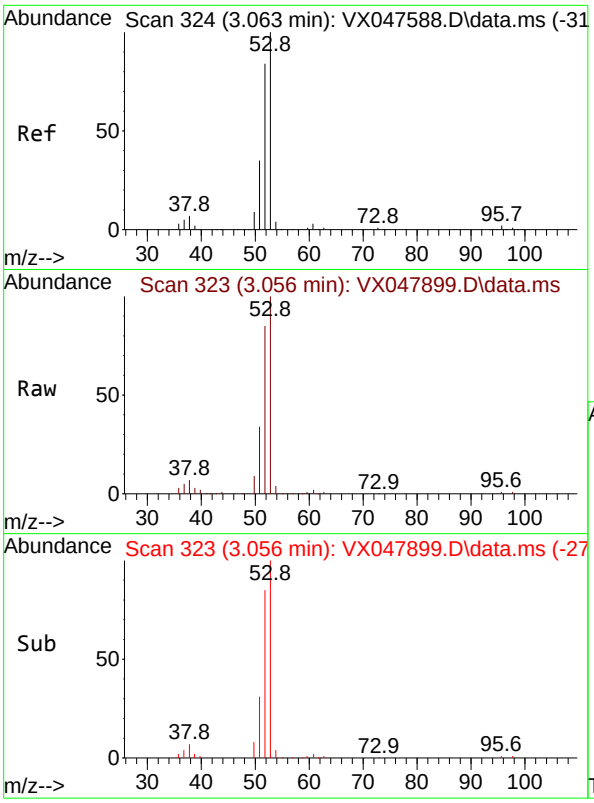


#14
Allyl chloride
Concen: 19.393 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 41 Resp: 66537

Ion	Ratio	Lower	Upper
41	100		
39	64.0	54.7	82.1
76	32.1	25.7	38.5

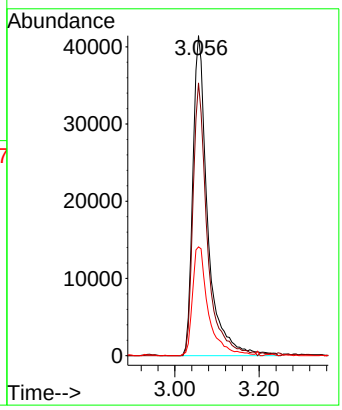




#15
Acrylonitrile
Concen: 110.857 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 53 Resp: 10187

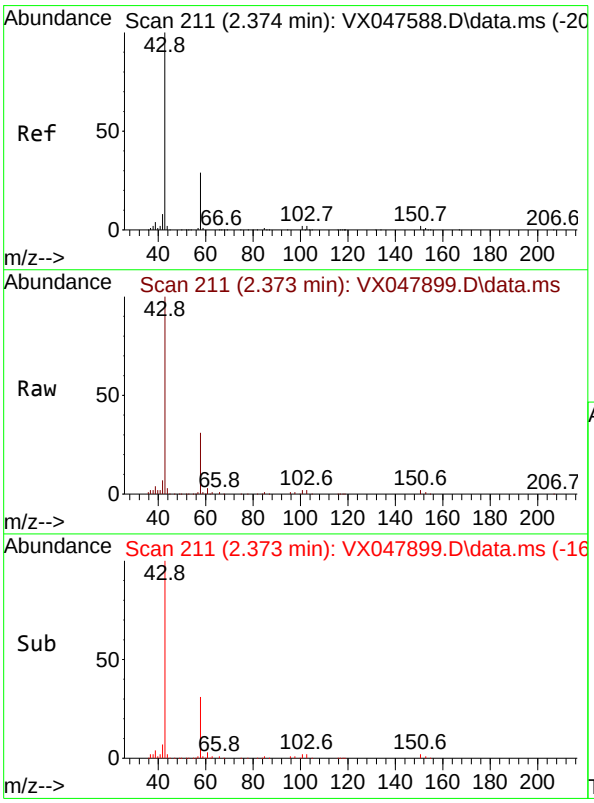
Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.4	99.6
51	36.4	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

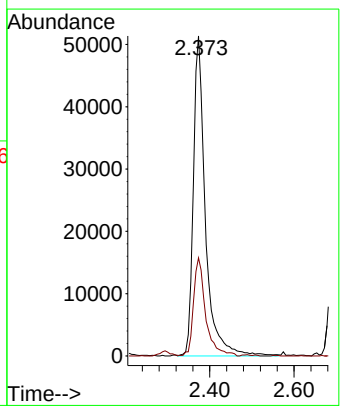
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

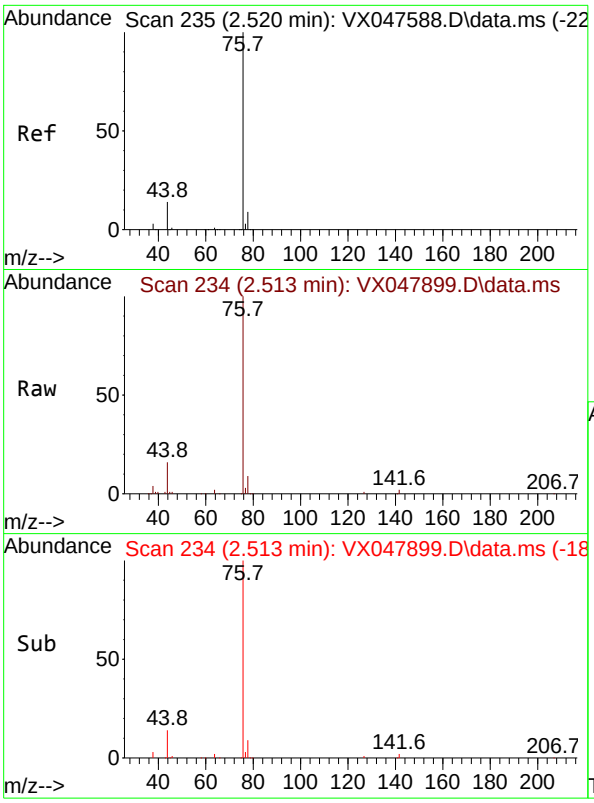


#16
Acetone
Concen: 105.744 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 43 Resp: 102419

Ion	Ratio	Lower	Upper
43	100		
58	30.5	23.4	35.0

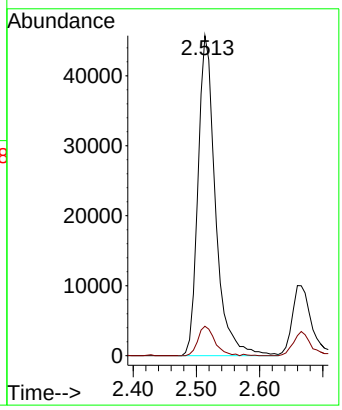




#17
Carbon Disulfide
Concen: 19.299 ug/l
RT: 2.513 min Scan# 2
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 76 Resp: 8784

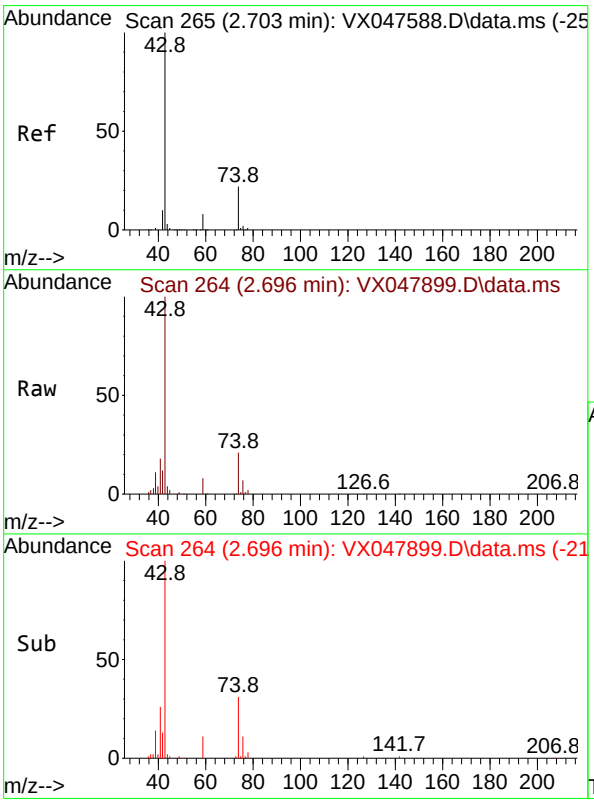
Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

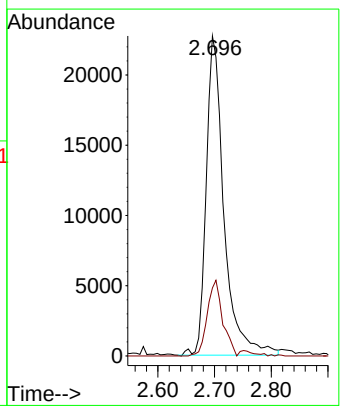
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

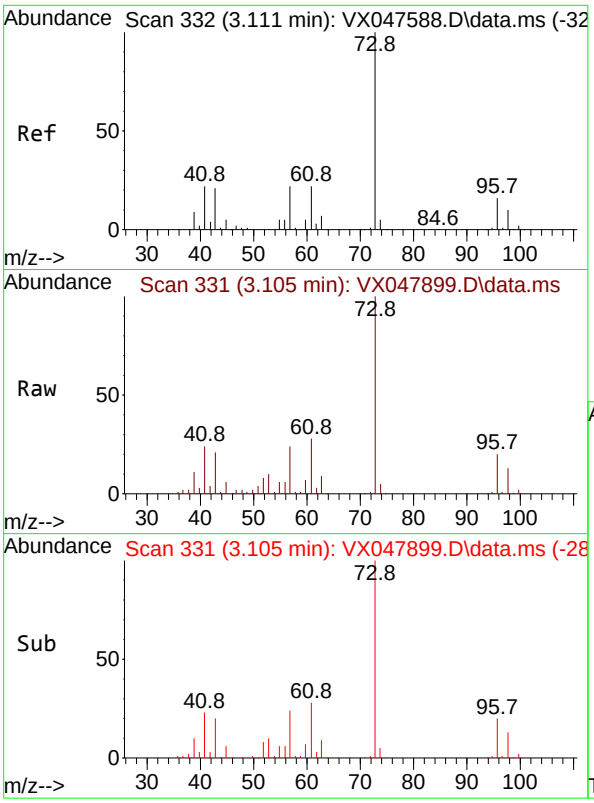


#18
Methyl Acetate
Concen: 22.917 ug/l
RT: 2.696 min Scan# 264
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 43 Resp: 49397

Ion	Ratio	Lower	Upper
43	100		
74	20.5	17.4	26.2





#19
Methyl tert-butyl Ether
Concen: 20.672 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

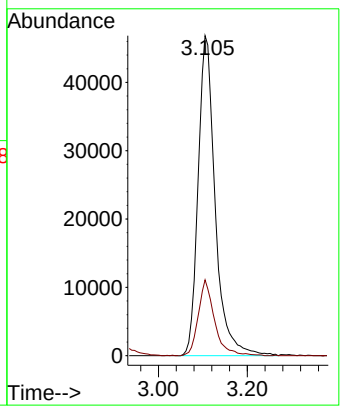
Tgt Ion: 73 Resp: 12547

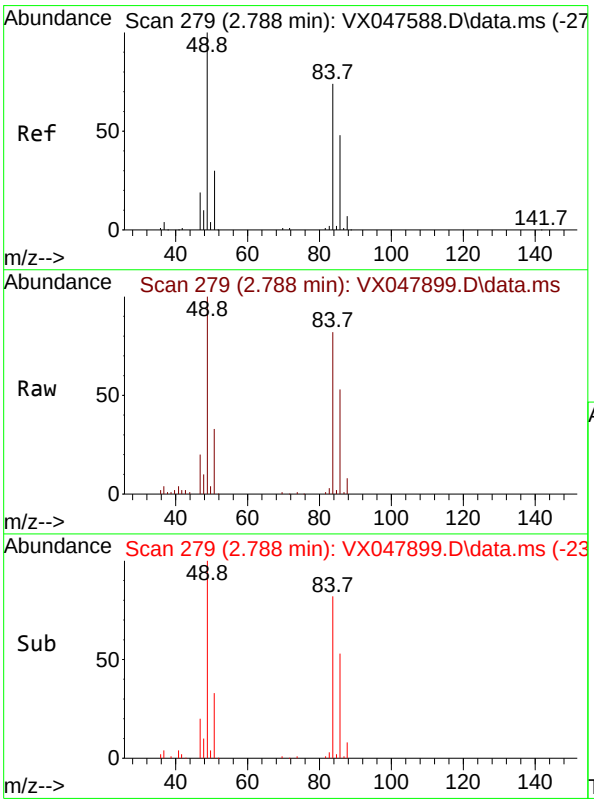
Ion	Ratio	Lower	Upper
73	100		
57	23.7	17.4	26.2

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

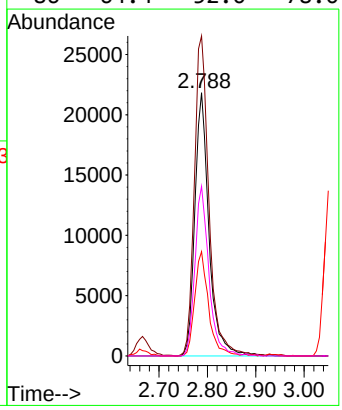


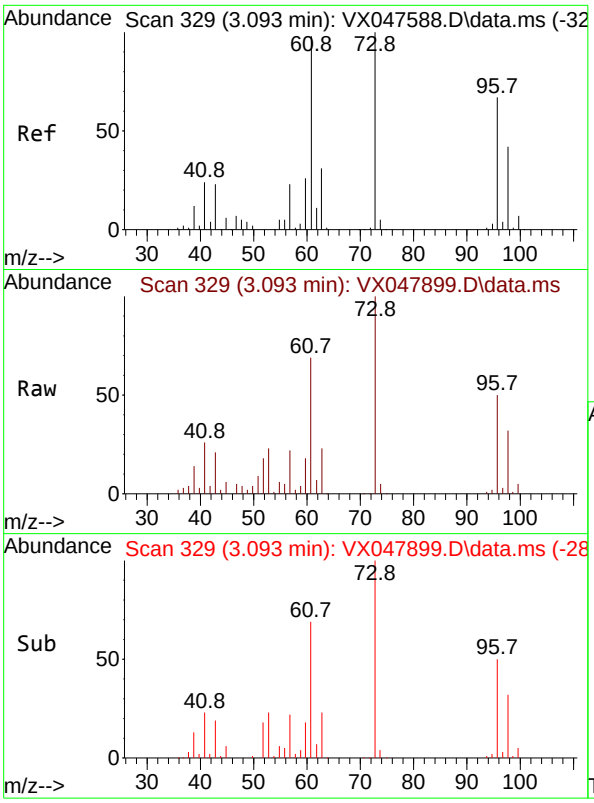


#20
Methylene Chloride
Concen: 21.638 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 84 Resp: 44362

Ion	Ratio	Lower	Upper
84	100		
49	121.5	108.6	162.8
51	39.6	32.6	48.8
86	64.4	52.0	78.0

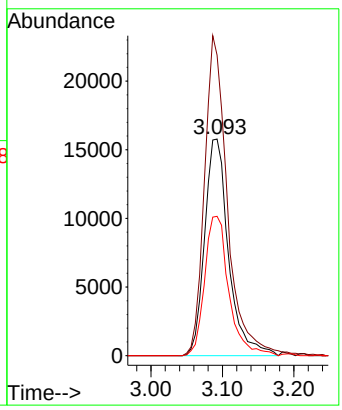




#21
trans-1,2-Dichloroethene
Concen: 20.491 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 96 Resp: 3668

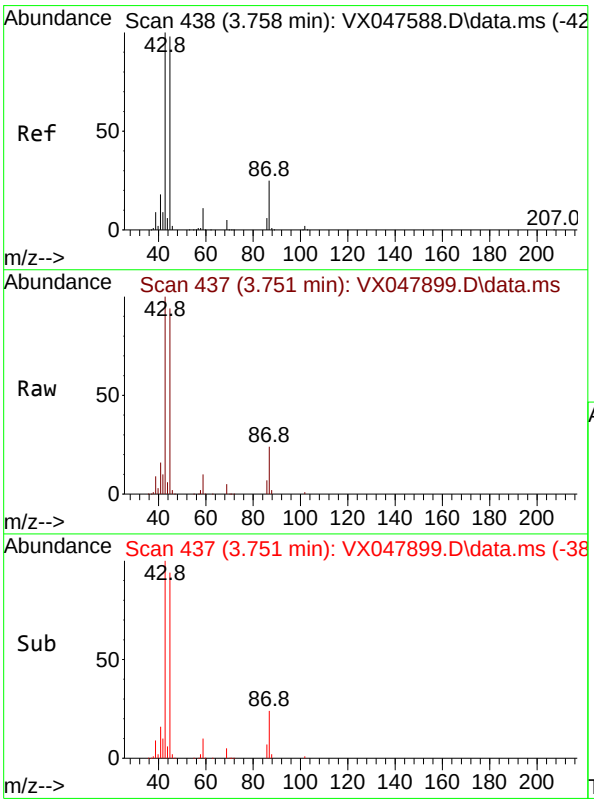
Ion	Ratio	Lower	Upper
96	100		
61	138.7	116.2	174.2
98	66.5	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

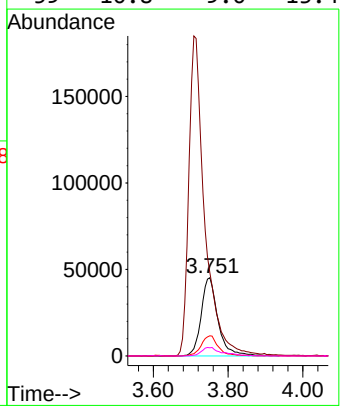
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

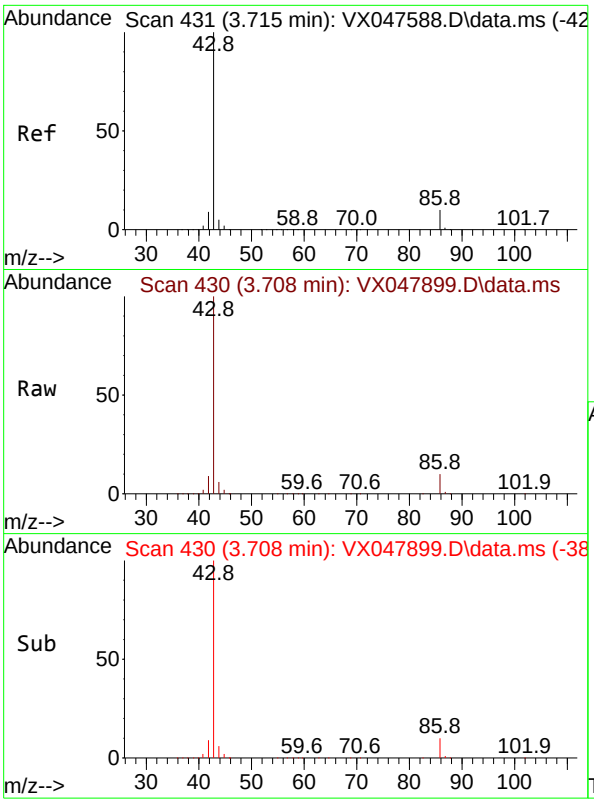


#22
Diisopropyl ether
Concen: 21.254 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 45 Resp: 141324

Ion	Ratio	Lower	Upper
45	100		
43	104.9	81.0	121.4
87	25.8	20.3	30.5
59	10.8	9.0	13.4

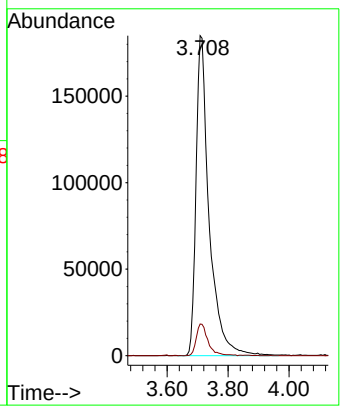




#23
Vinyl Acetate
Concen: 103.827 ug/l
RT: 3.708 min Scan# 4
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 43 Resp: 55255

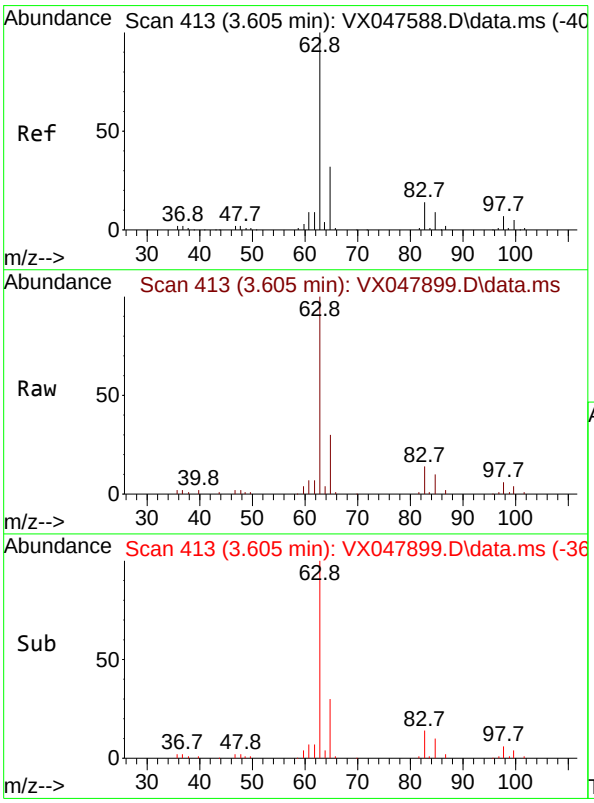
Ion	Ratio	Lower	Upper
43	100		
86	9.9	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

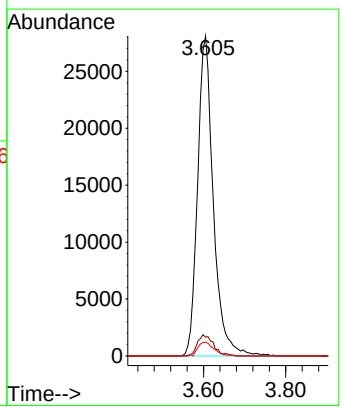
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

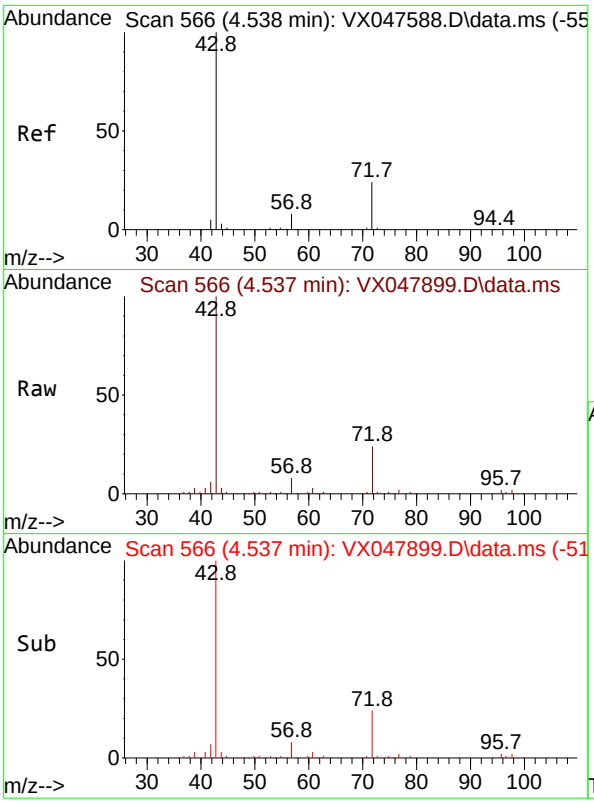


#24
1,1-Dichloroethane
Concen: 21.120 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 63 Resp: 74644

Ion	Ratio	Lower	Upper
63	100		
98	5.9	3.8	11.2
100	4.3	2.3	6.9





#25
2-Butanone
Concen: 110.173 ug/l
RT: 4.537 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

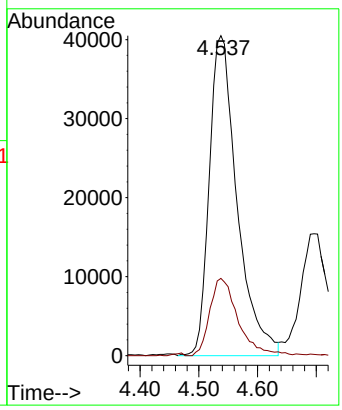
Tgt Ion: 43 Resp: 13310

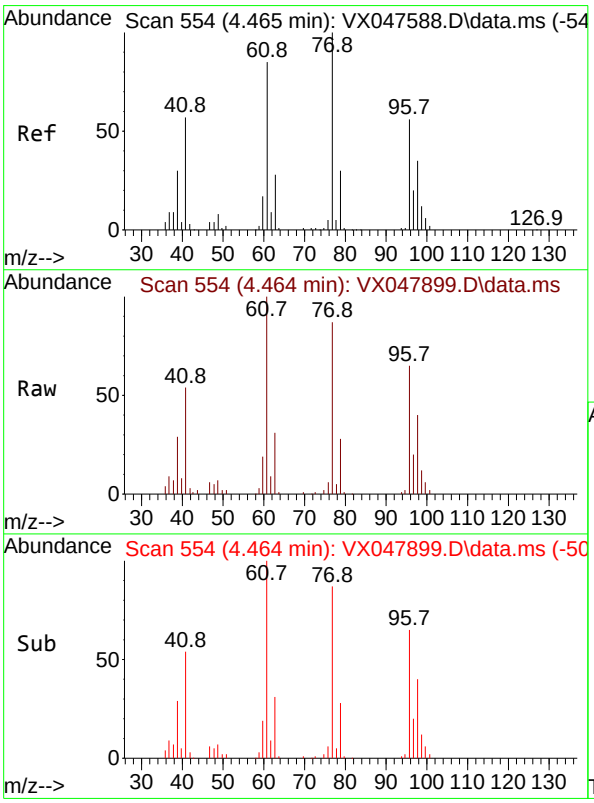
Ion	Ratio	Lower	Upper
43	100		
72	25.2	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

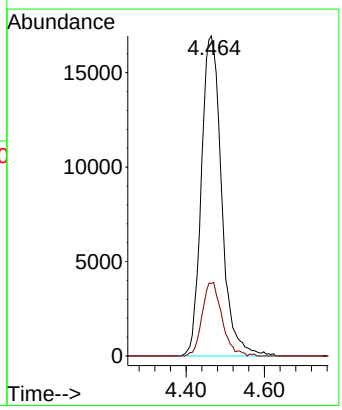


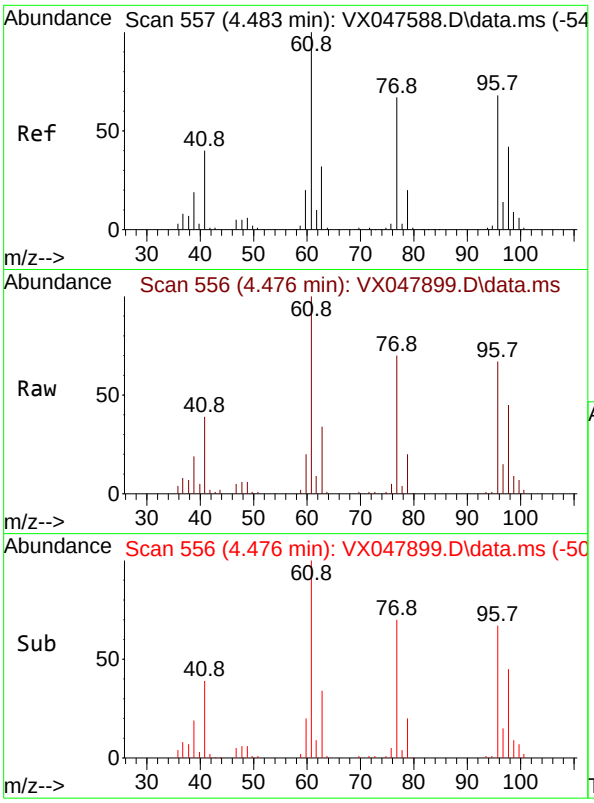


#26
2,2-Dichloropropane
Concen: 20.697 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 77 Resp: 60806

Ion	Ratio	Lower	Upper
77	100		
97	22.5	10.9	32.7

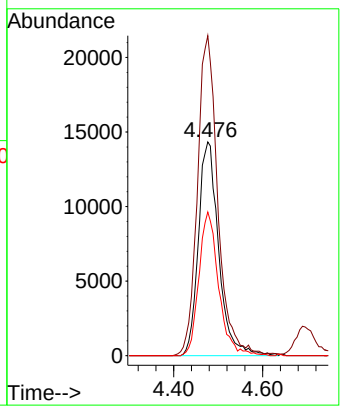




#27
cis-1,2-Dichloroethene
Concen: 20.810 ug/l
RT: 4.476 min Scan# 5
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 96 Resp: 4562

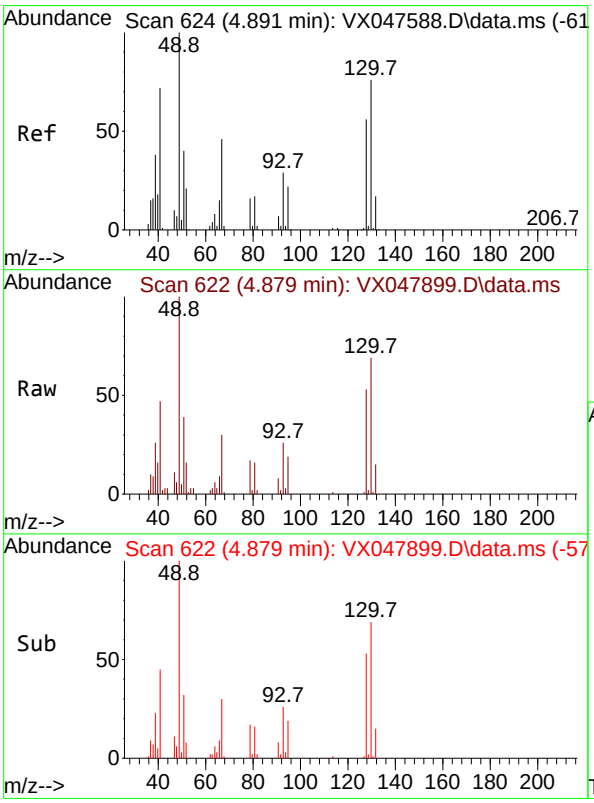
Ion	Ratio	Lower	Upper
96	100		
61	150.0	0.0	303.2
98	65.4	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

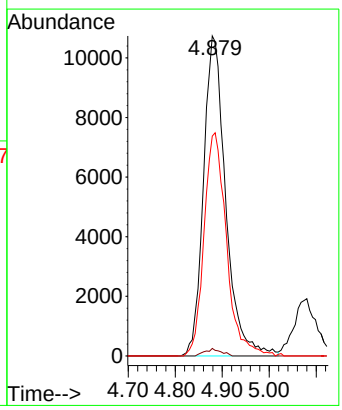
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

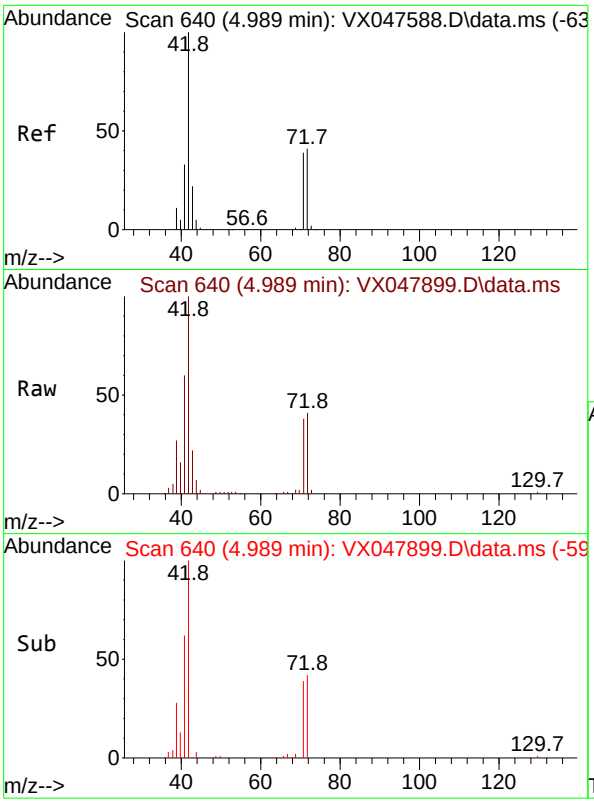


#28
Bromochloromethane
Concen: 22.845 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.013 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 49 Resp: 35248

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	70.4	57.8	86.8

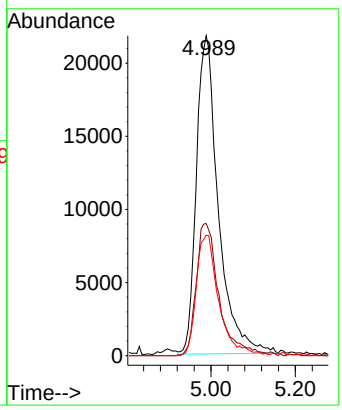




#29
Tetrahydrofuran
Concen: 108.416 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 42 Resp: 7879

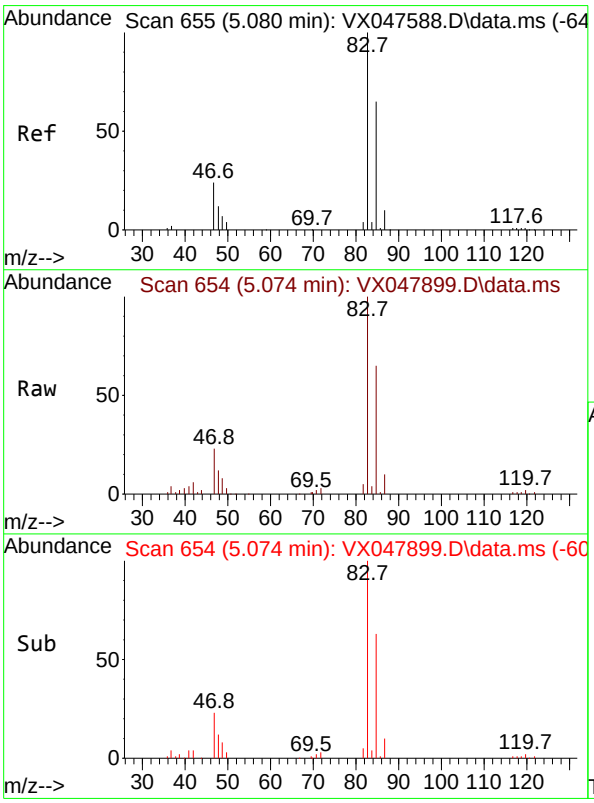
Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.2	51.2
71	38.8	31.9	47.9



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

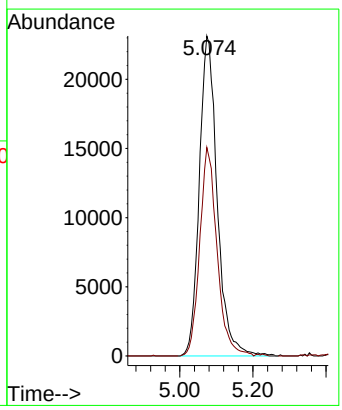
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

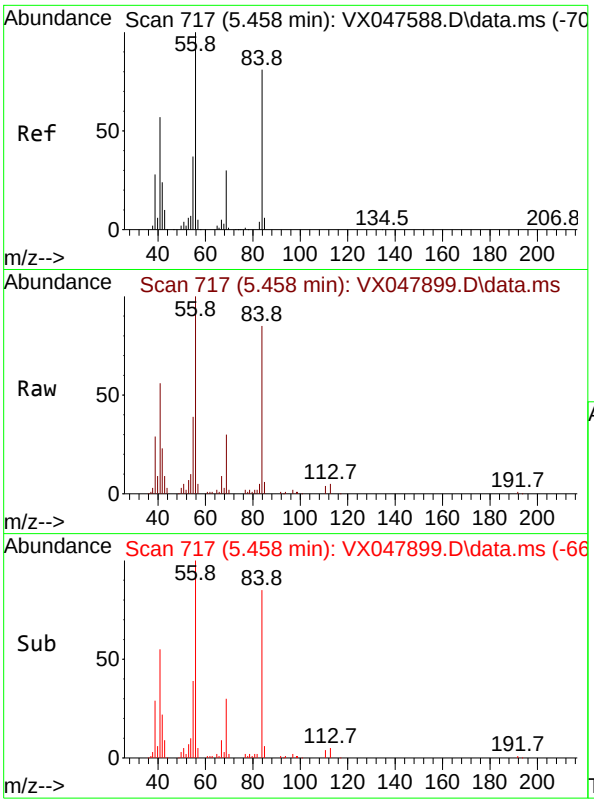


#30
Chloroform
Concen: 21.995 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 83 Resp: 78555

Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.8	77.6

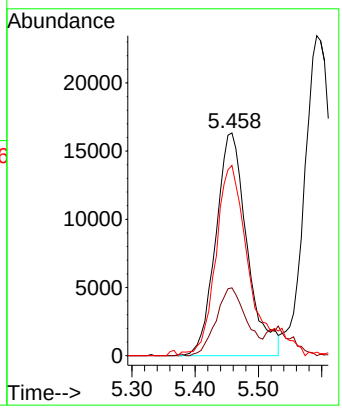




#31
Cyclohexane
Concen: 19.026 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 56 Resp: 5600

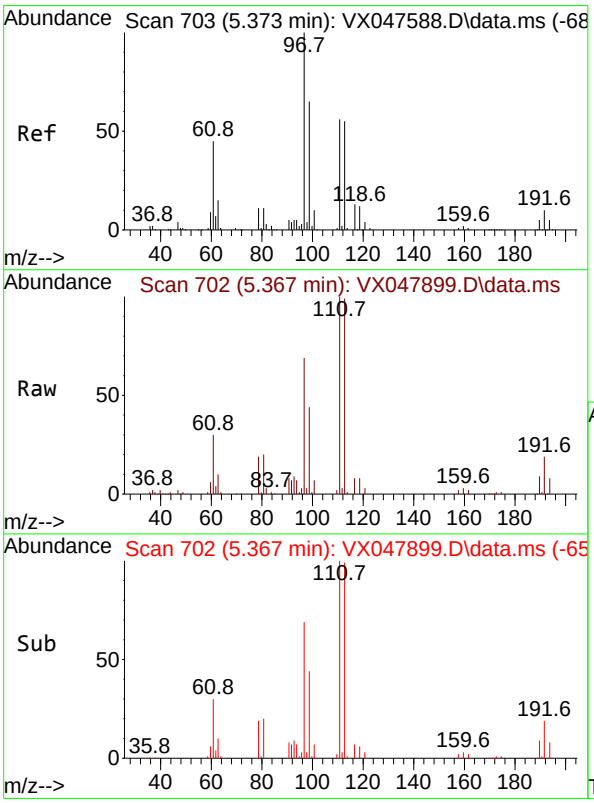
Ion	Ratio	Lower	Upper
56	100		
69	30.0	23.8	35.8
84	85.4	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

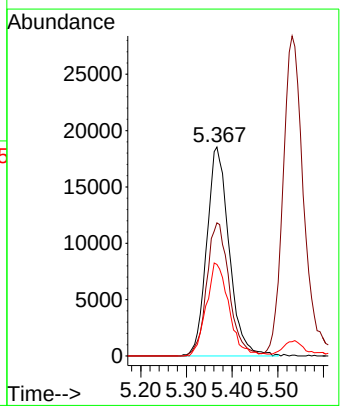
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

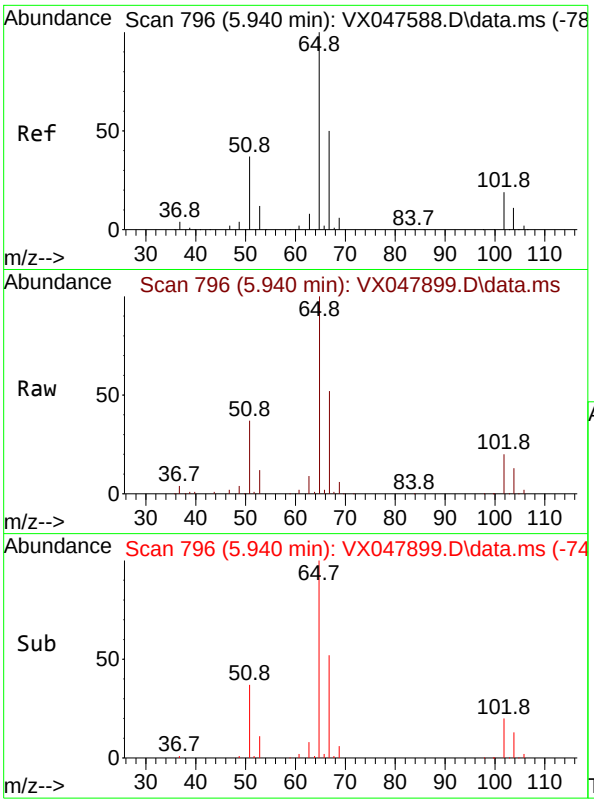


#32
1,1,1-Trichloroethane
Concen: 20.814 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 97 Resp: 63051

Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.6	76.0
61	45.3	35.8	53.8

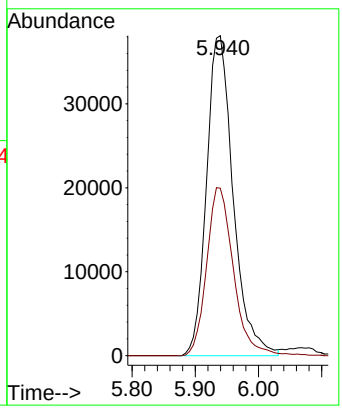




#33
1,2-Dichloroethane-d4
Concen: 50.035 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 65 Resp: 11145

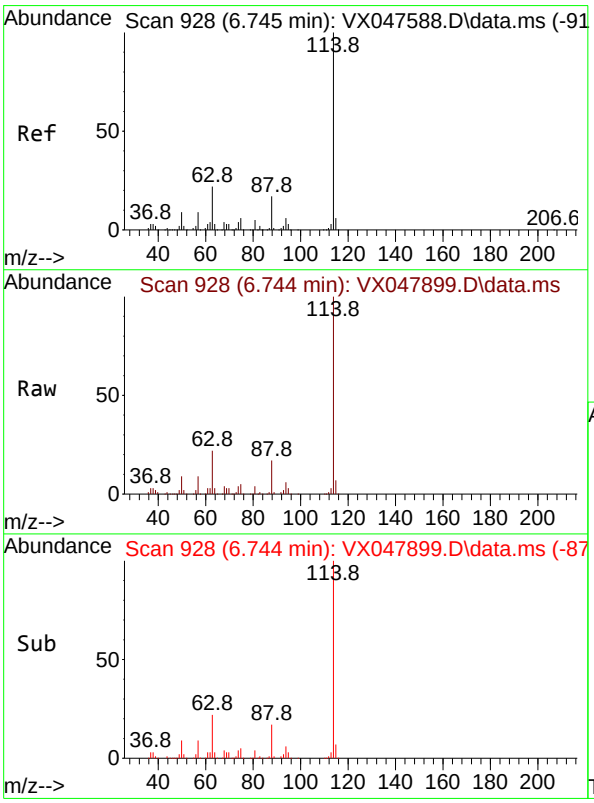
Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

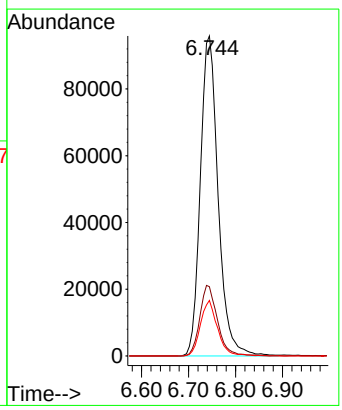
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

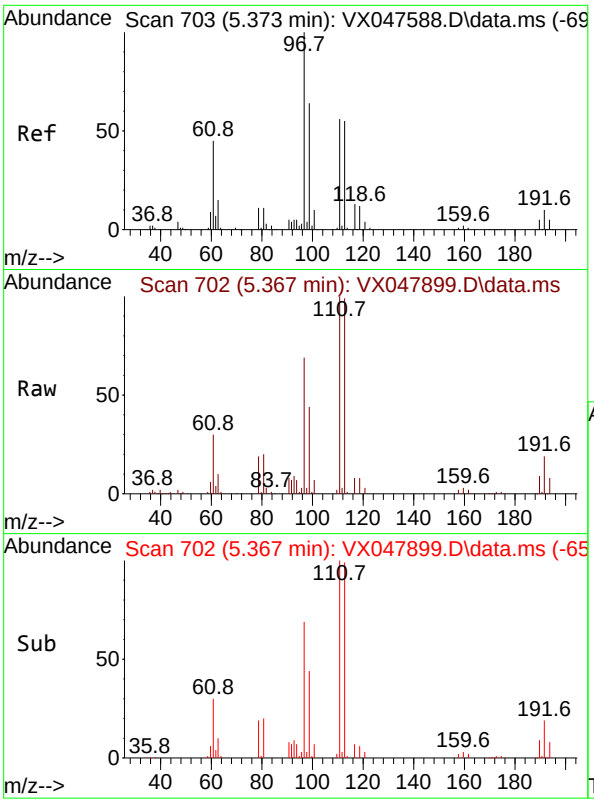


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.744 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:114 Resp: 252162

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	44.0
88	17.3	0.0	34.2

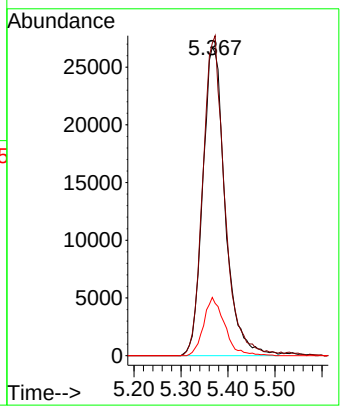




#35
Dibromofluoromethane
Concen: 52.144 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:113 Resp: 8818

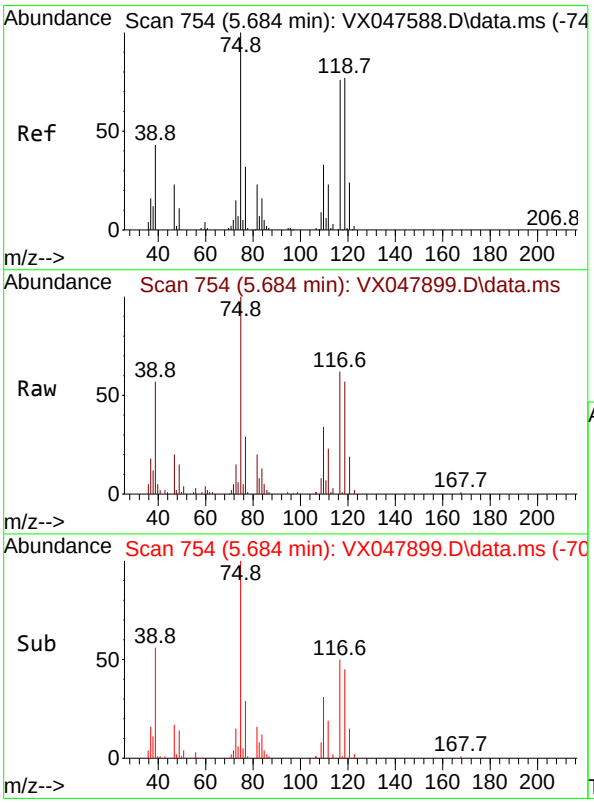
Ion	Ratio	Lower	Upper
113	100		
111	101.5	80.9	121.3
192	17.9	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

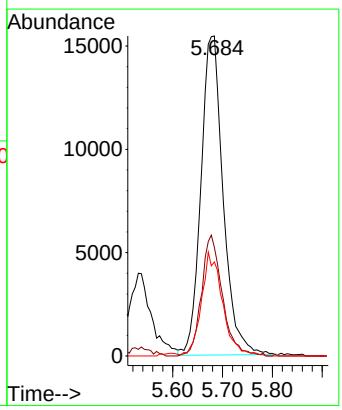
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

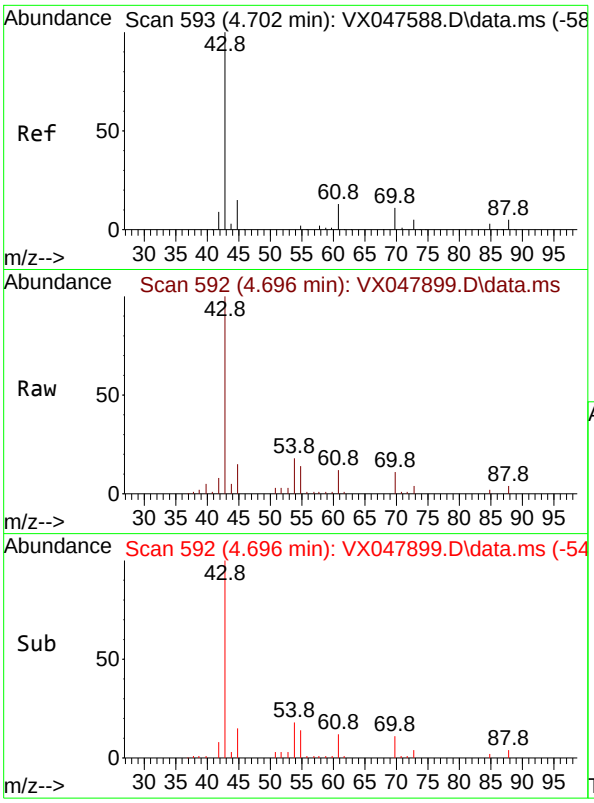


#36
1,1-Dichloropropene
Concen: 19.374 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 75 Resp: 47877

Ion	Ratio	Lower	Upper
75	100		
110	35.5	16.7	50.1
77	30.8	24.3	36.5

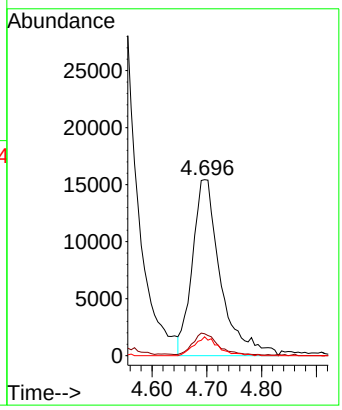




#37
Ethyl Acetate
Concen: 20.797 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 43 Resp: 5502

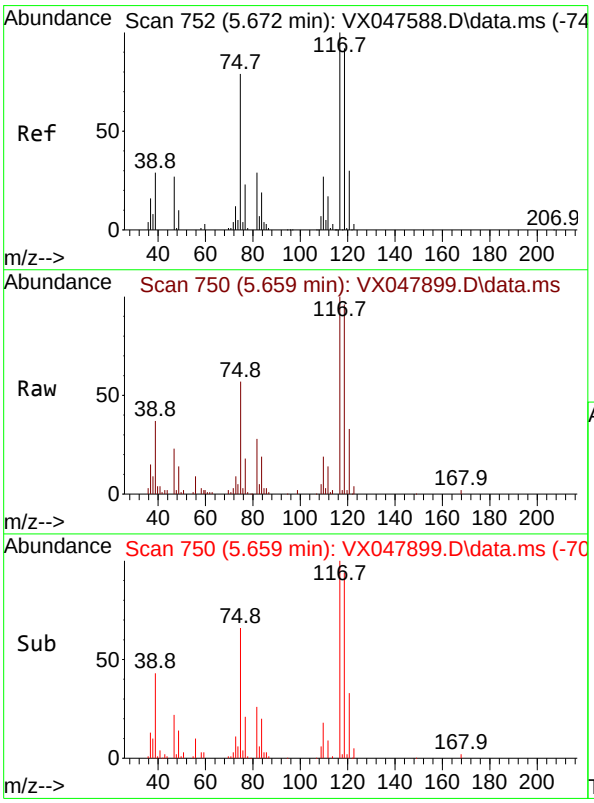
Ion	Ratio	Lower	Upper
43	100		
61	11.1	9.8	14.8
70	9.3	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

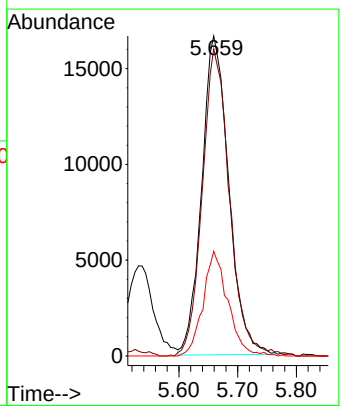
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

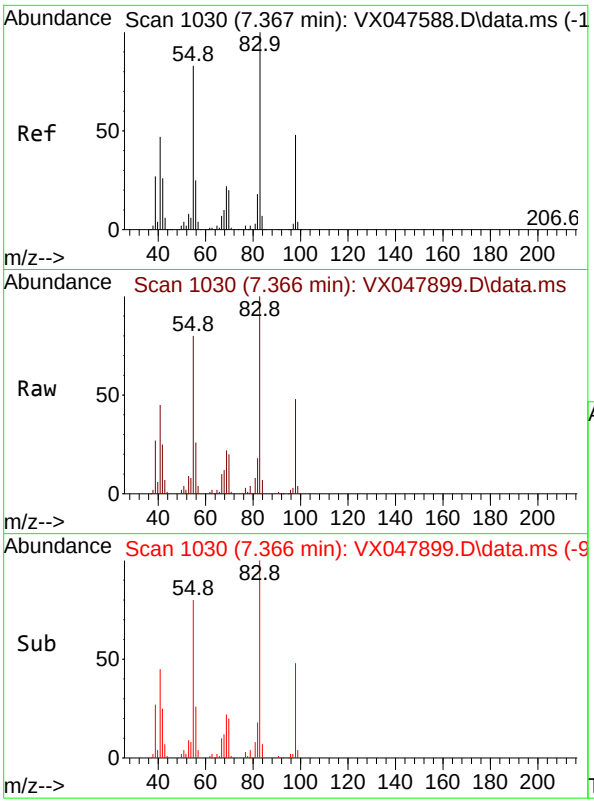


#38
Carbon Tetrachloride
Concen: 19.800 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.013 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:117 Resp: 53161

Ion	Ratio	Lower	Upper
117	100		
119	95.4	73.4	110.2
121	32.9	23.8	35.6





#39
Methylcyclohexane
Concen: 18.466 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

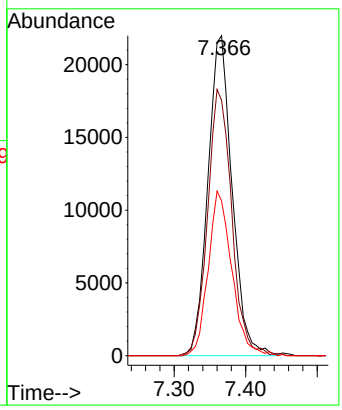
Tgt Ion: 83 Resp: 5179

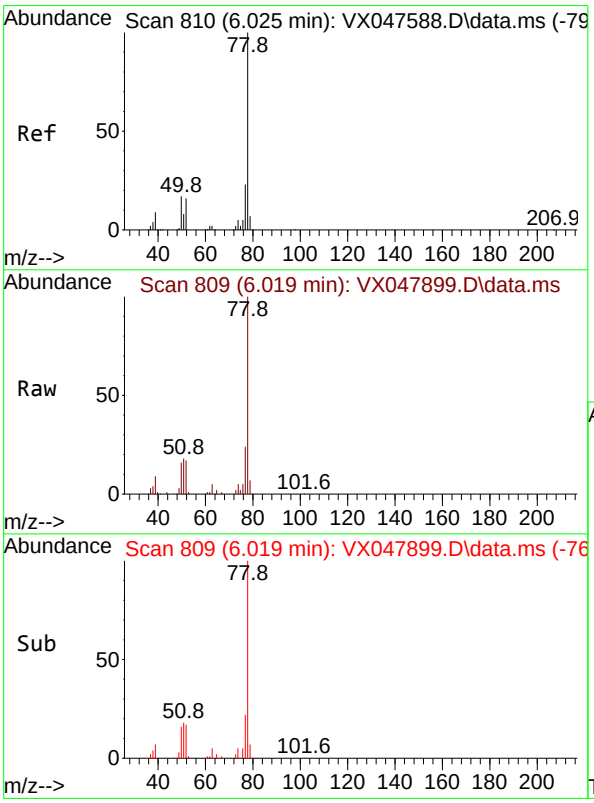
Ion	Ratio	Lower	Upper
83	100		
55	79.8	66.4	99.6
98	48.4	38.1	57.1

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

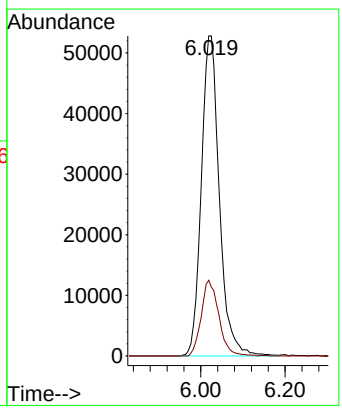


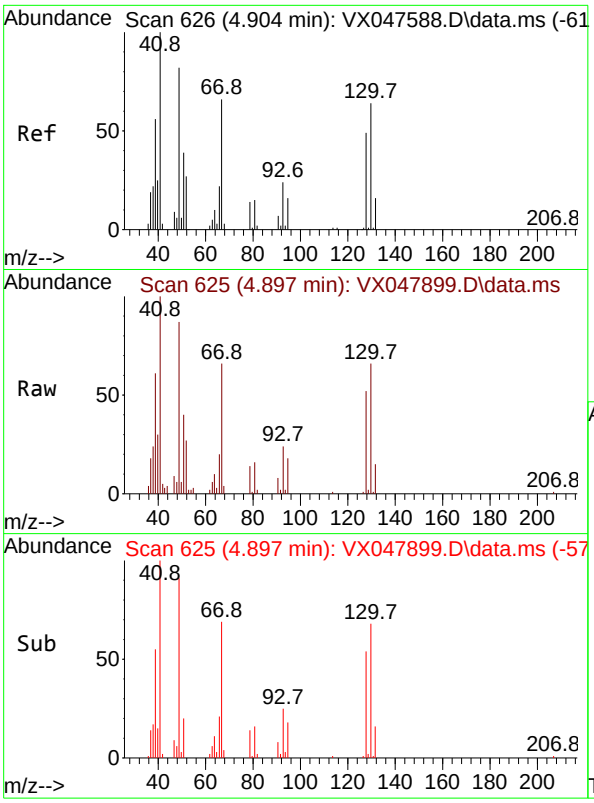


#40
Benzene
Concen: 20.917 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 78 Resp: 156993

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2

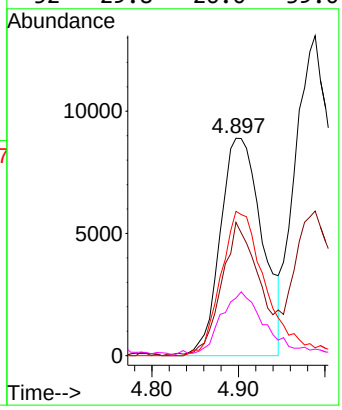




#41
Methacrylonitrile
Concen: 21.873 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 41 Resp: 2987

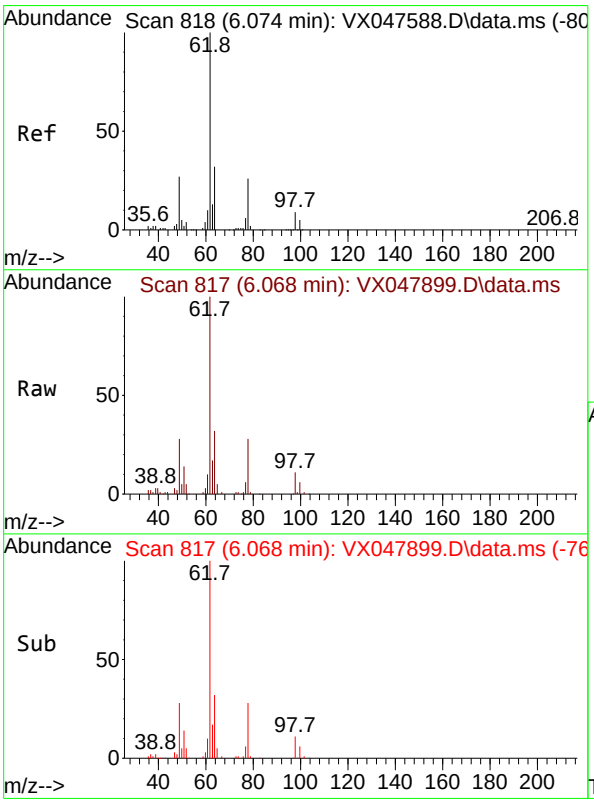
Ion	Ratio	Lower	Upper
41	100		
39	53.7	43.3	64.9
67	72.3	58.6	87.8
52	29.8	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

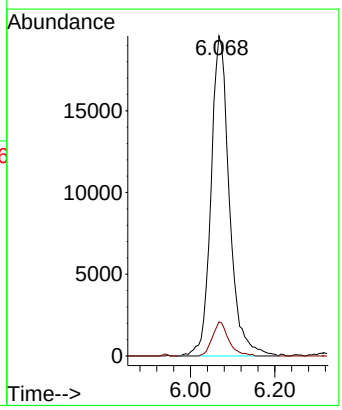
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

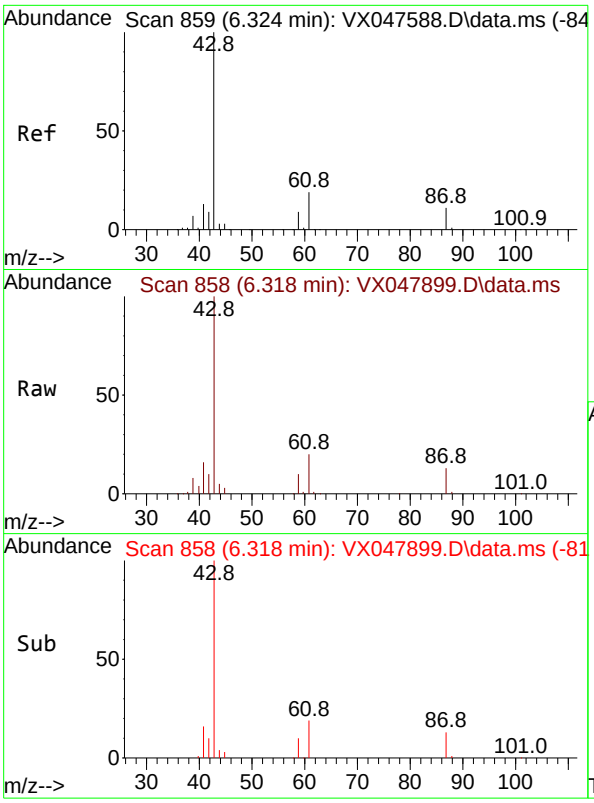


#42
1,2-Dichloroethane
Concen: 20.756 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 62 Resp: 59274

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	17.0





#43
Isopropyl Acetate
Concen: 20.358 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

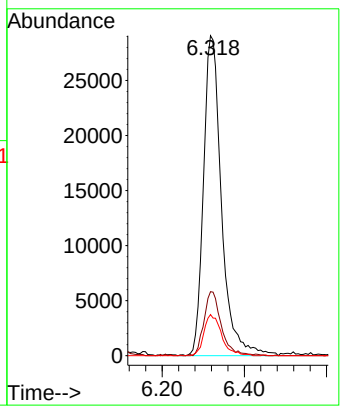
Tgt Ion: 43 Resp: 8834

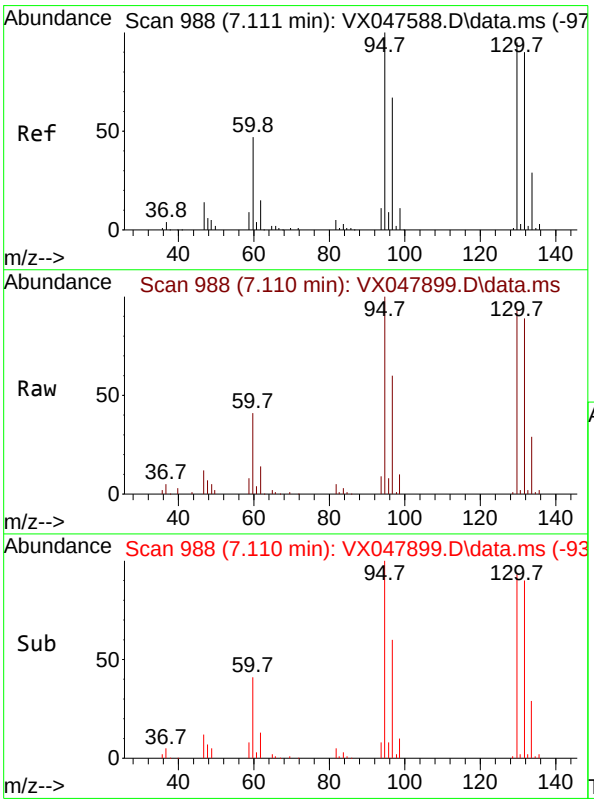
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.2	22.8
87	12.6	9.6	14.4

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

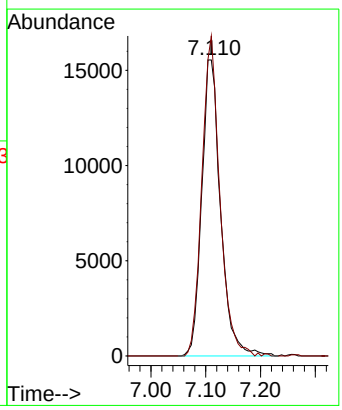


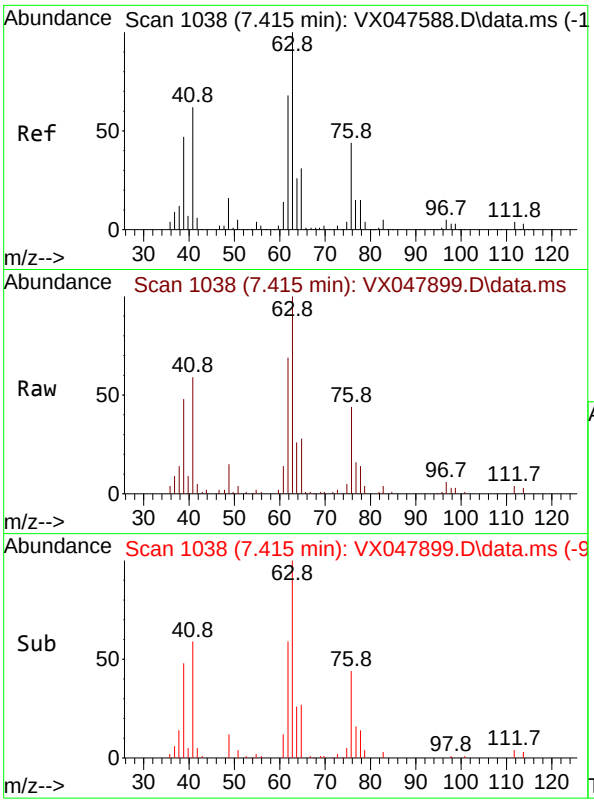


#44
Trichloroethene
Concen: 20.459 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:130 Resp: 37124

Ion	Ratio	Lower	Upper
130	100		
95	108.1	0.0	210.8





#45
1,2-Dichloropropane
Concen: 21.336 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

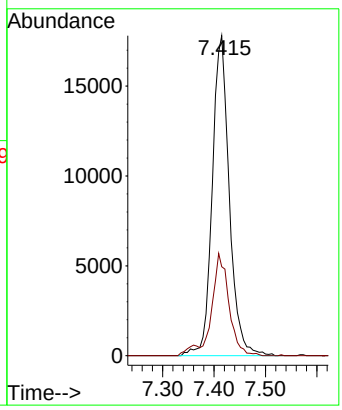
Tgt Ion: 63 Resp: 4100

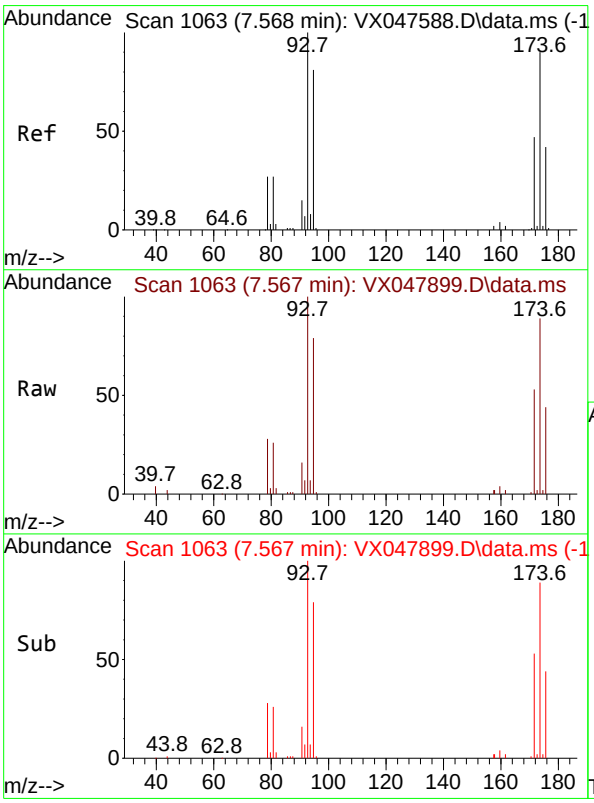
Ion	Ratio	Lower	Upper
63	100		
65	27.8	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

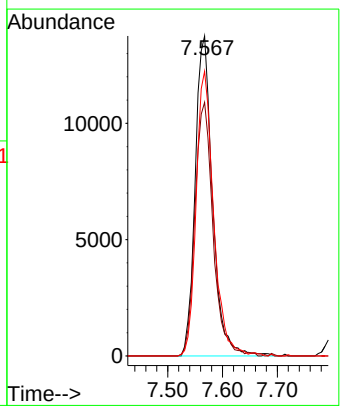


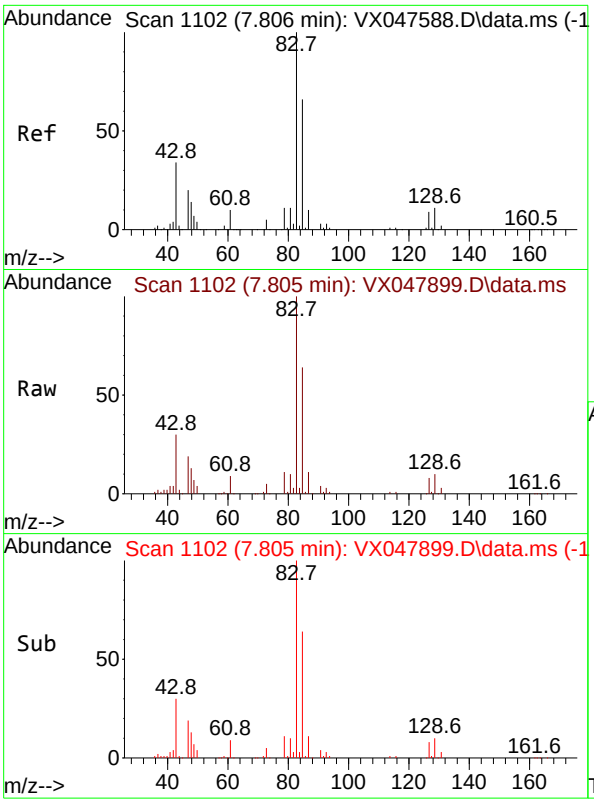


#46
Dibromomethane
Concen: 21.661 ug/l
RT: 7.567 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 93 Resp: 30294

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.0	97.6
174	89.2	71.6	107.4

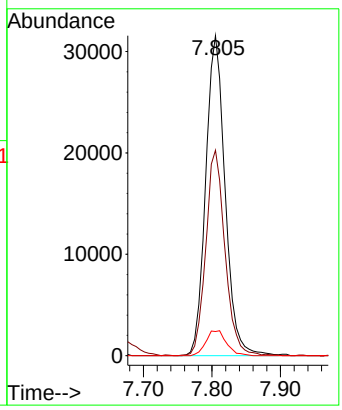




#47
Bromodichloromethane
Concen: 21.510 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 83 Resp: 6207

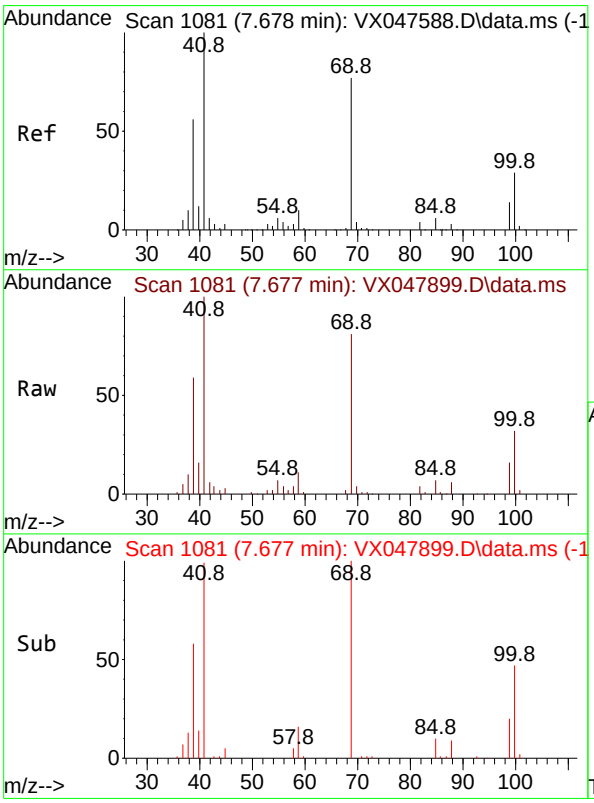
Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.5	78.7
127	8.5	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

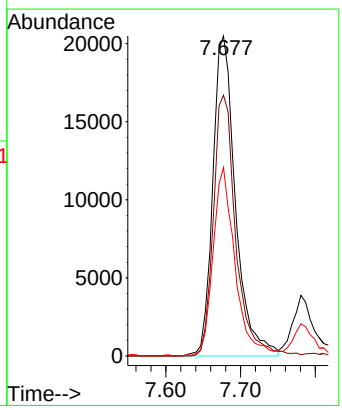
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

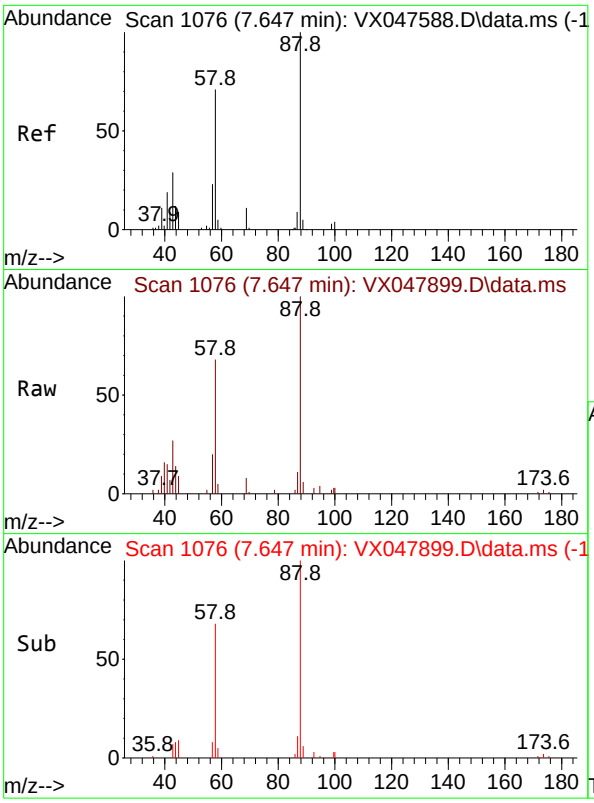


#48
Methyl methacrylate
Concen: 19.998 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 41 Resp: 43226

Ion	Ratio	Lower	Upper
41	100		
69	80.6	61.4	92.2
39	56.9	45.8	68.6





#49
1,4-Dioxane
Concen: 471.195 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

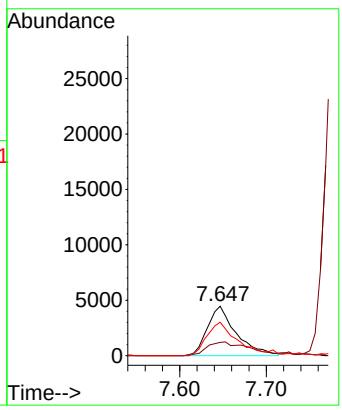
Tgt Ion: 88 Resp: 1029

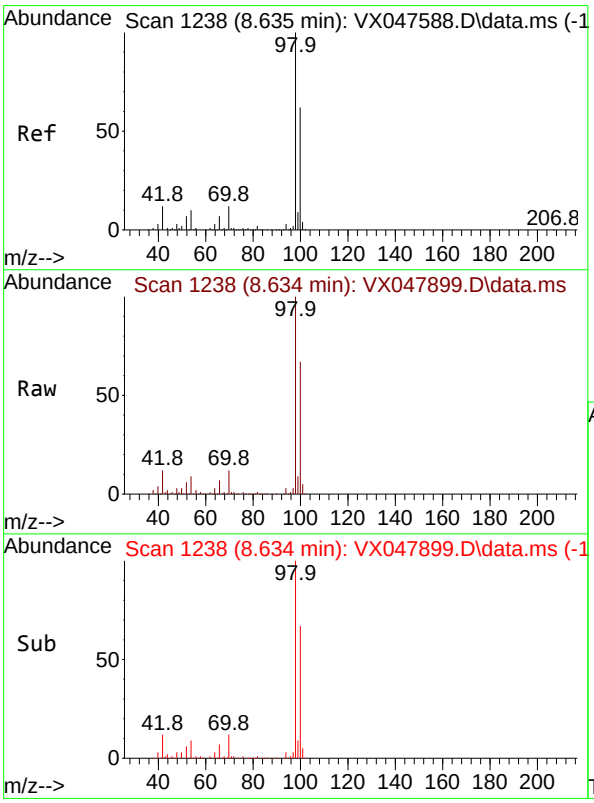
Ion	Ratio	Lower	Upper
88	100		
43	41.0	30.2	45.2
58	73.3	59.5	89.3

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

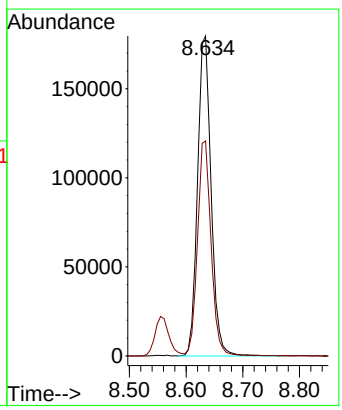


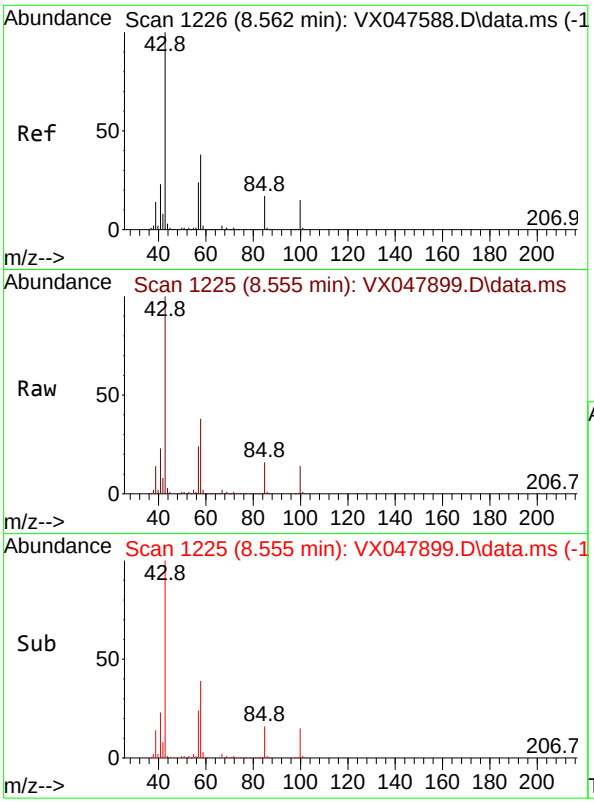


#50
Toluene-d8
Concen: 50.968 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 98 Resp: 298245

Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.0	79.4

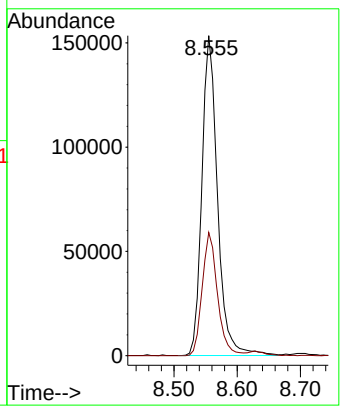




#51
4-Methyl-2-Pentanone
Concen: 109.932 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 43 Resp: 26449

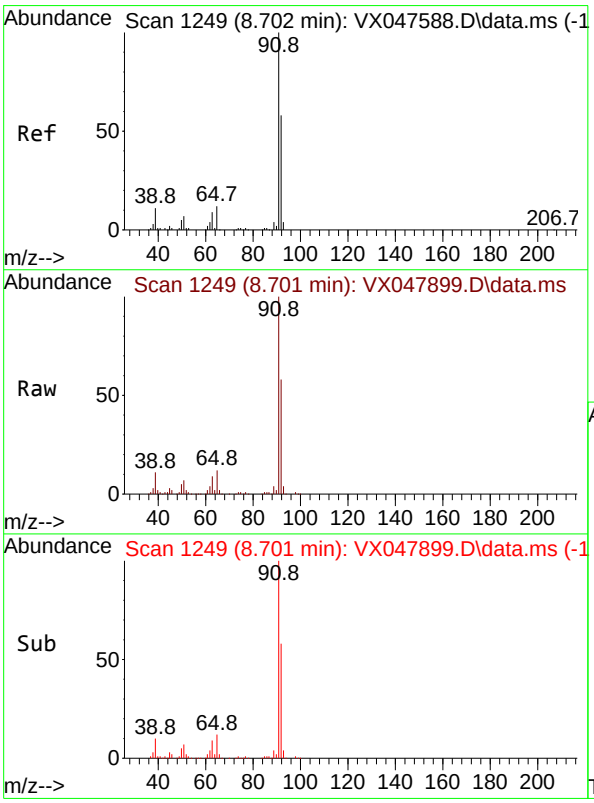
Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

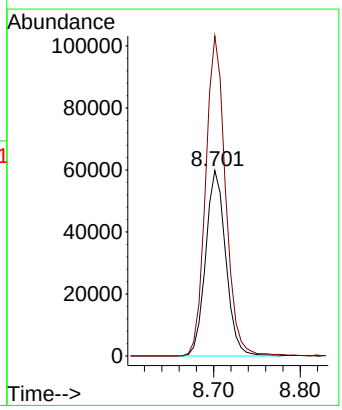
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

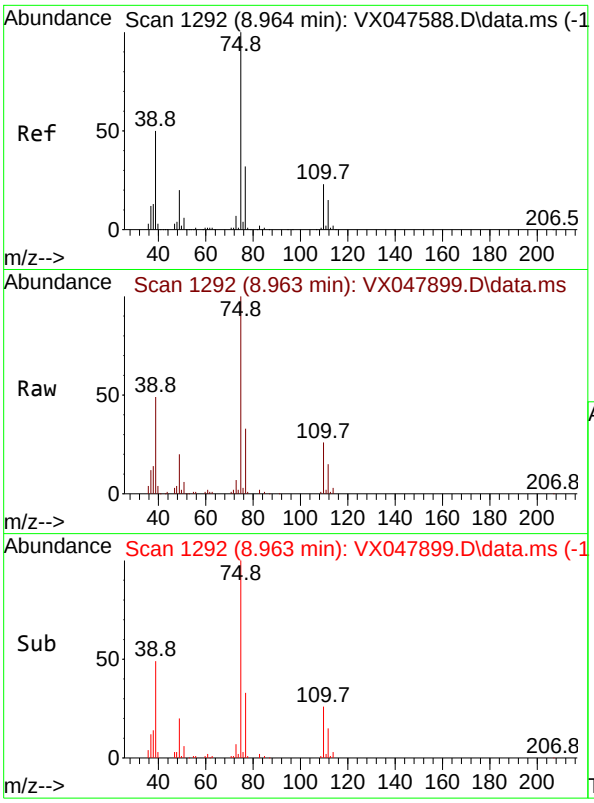


#52
Toluene
Concen: 20.855 ug/l
RT: 8.701 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 92 Resp: 96436

Ion	Ratio	Lower	Upper
92	100		
91	171.2	137.1	205.7

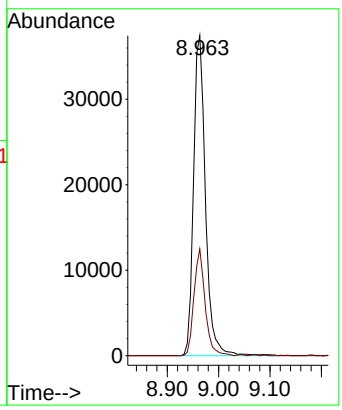




#53
t-1,3-Dichloropropene
Concen: 20.559 ug/l
RT: 8.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 75 Resp: 6052

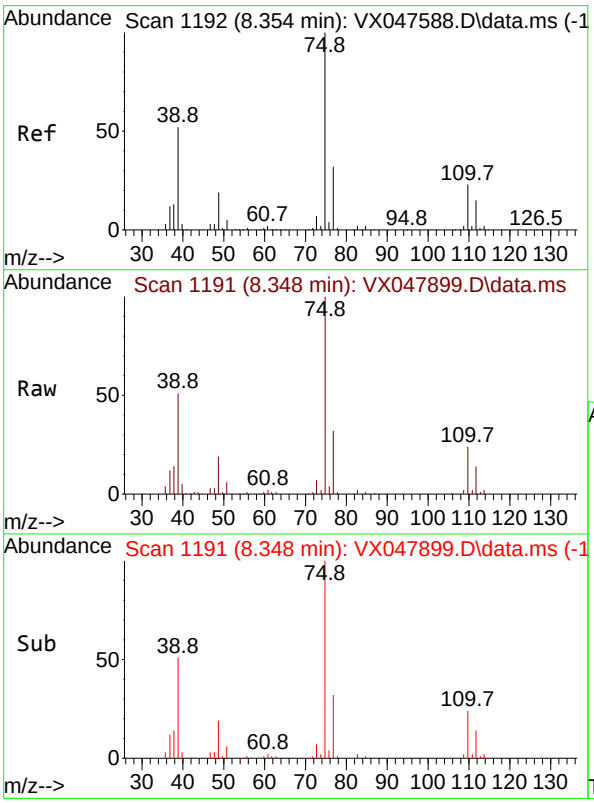
Ion	Ratio	Lower	Upper
75	100		
77	33.3	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

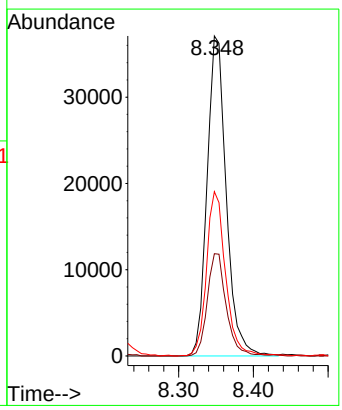
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

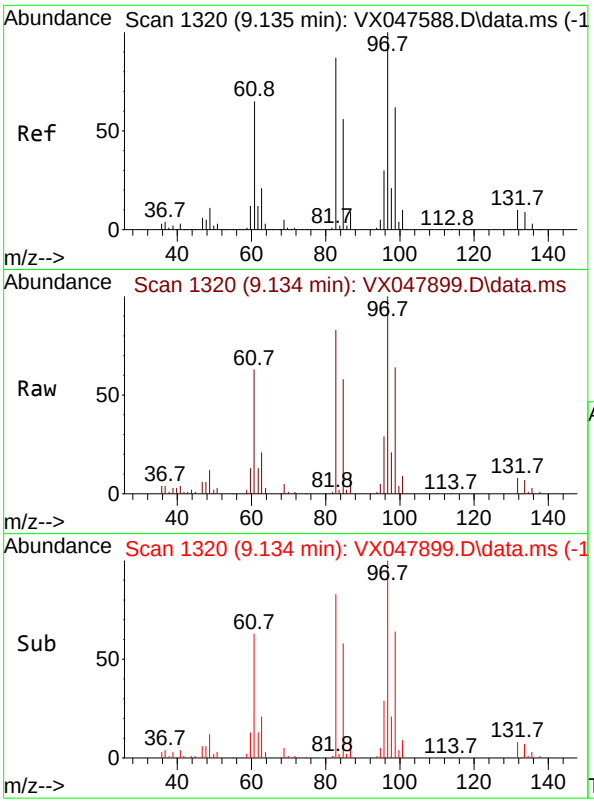


#54
cis-1,3-Dichloropropene
Concen: 20.996 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 75 Resp: 66061

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.8	38.6
39	51.3	41.4	62.2

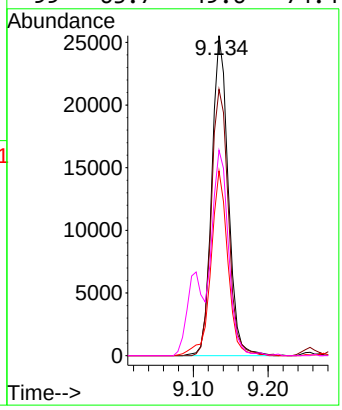




#55
1,1,2-Trichloroethane
Concen: 21.896 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 97 Resp: 3904

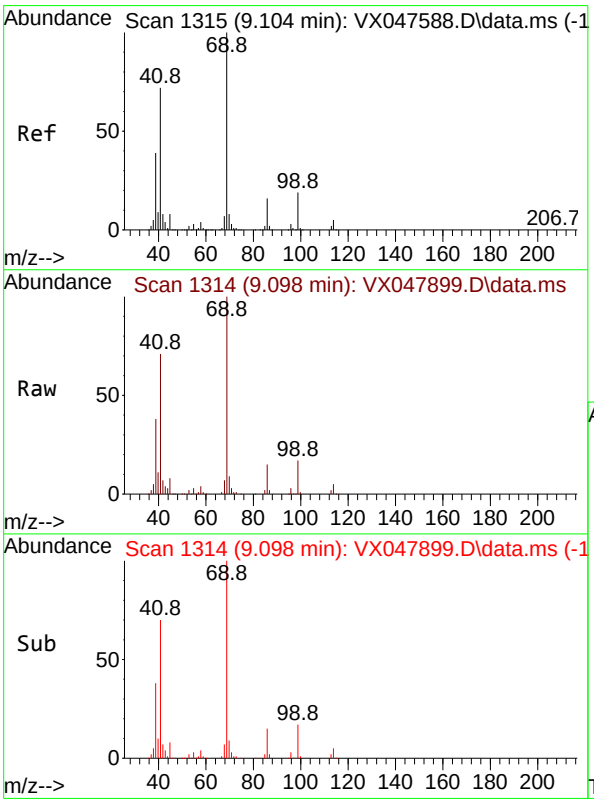
Ion	Ratio	Lower	Upper
97	100		
83	84.9	69.6	104.4
85	59.5	45.0	67.6
99	63.7	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

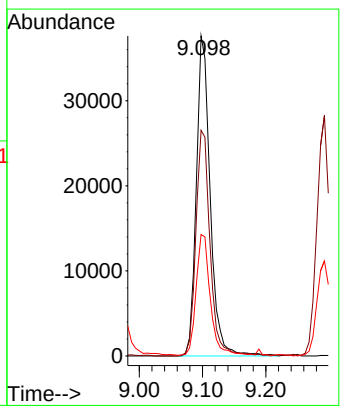
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

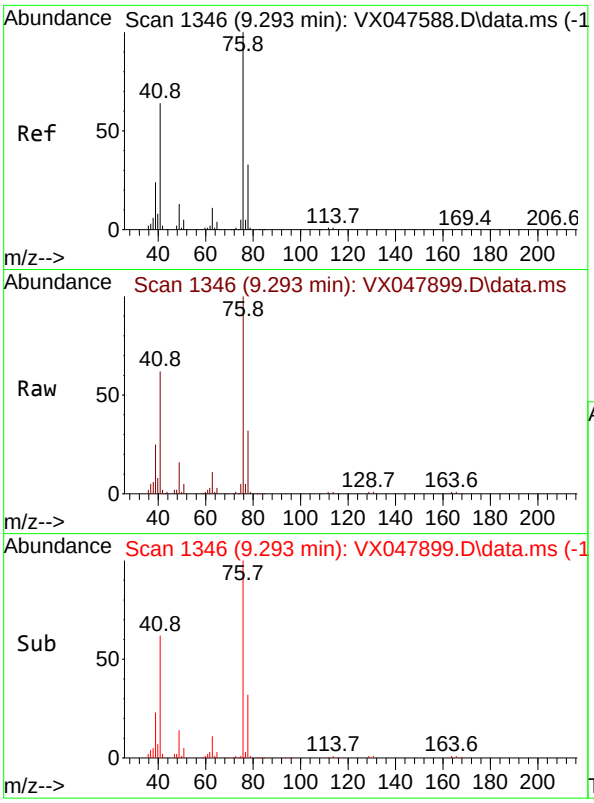


#56
Ethyl methacrylate
Concen: 20.558 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 69 Resp: 57568

Ion	Ratio	Lower	Upper
69	100		
41	72.2	58.6	87.8
39	39.1	31.5	47.3





#57
1,3-Dichloropropane
Concen: 21.973 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

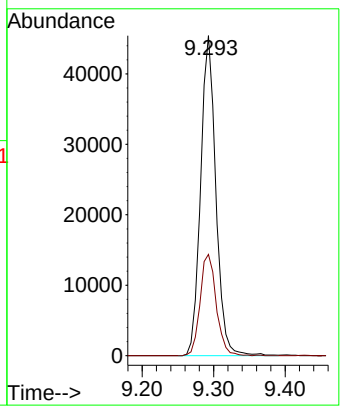
Tgt Ion: 76 Resp: 6730

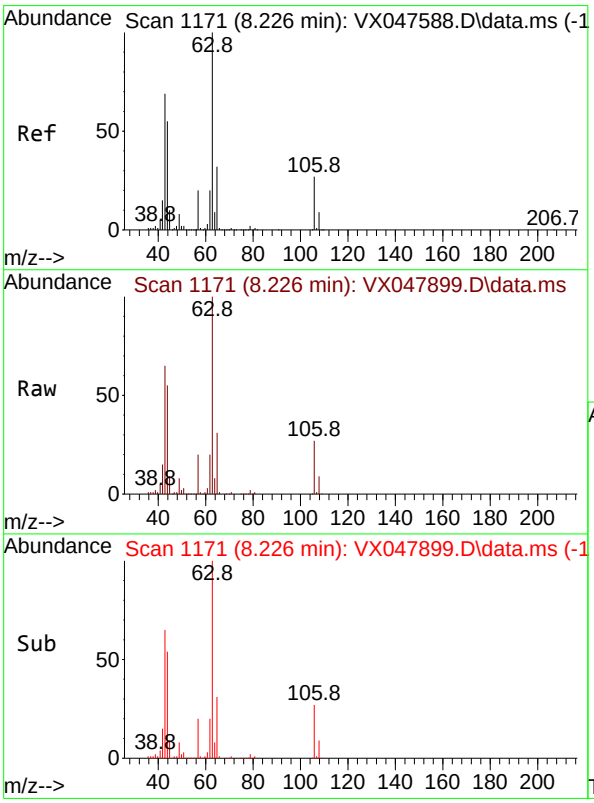
Ion	Ratio	Lower	Upper
76	100		
78	33.4	26.2	39.4

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

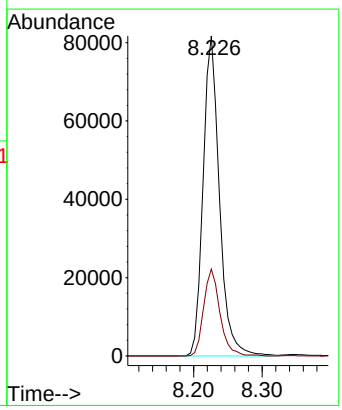


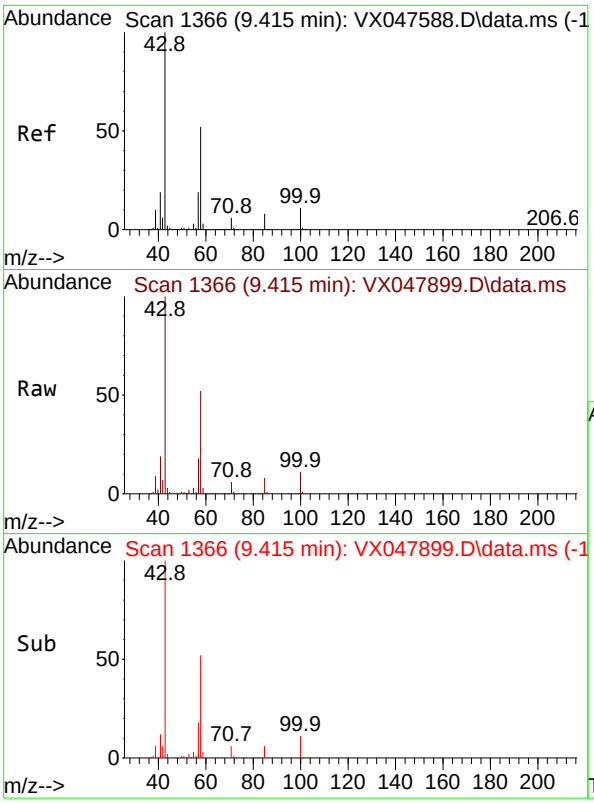


#58
2-Chloroethyl Vinyl ether
Concen: 108.246 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 63 Resp: 135613

Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.9	32.9





#59
2-Hexanone
Concen: 109.286 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

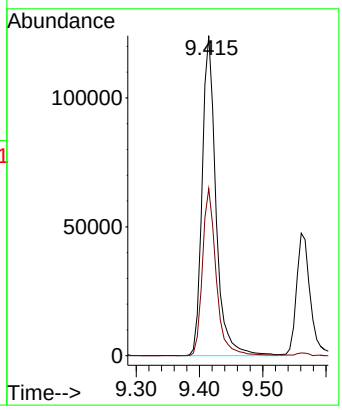
Tgt Ion: 43 Resp: 18884

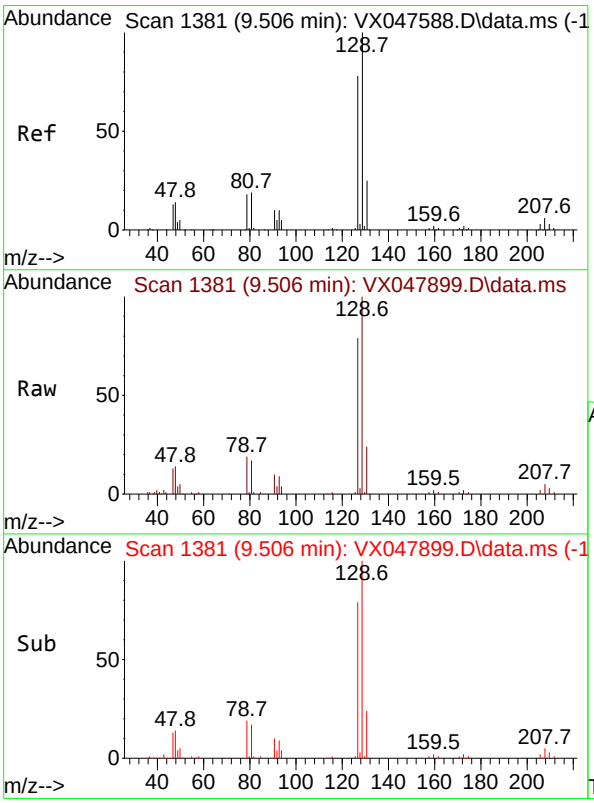
Ion	Ratio	Lower	Upper
43	100		
58	52.1	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

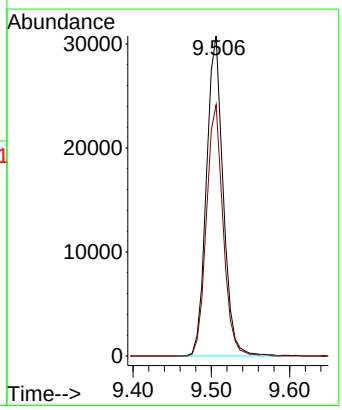


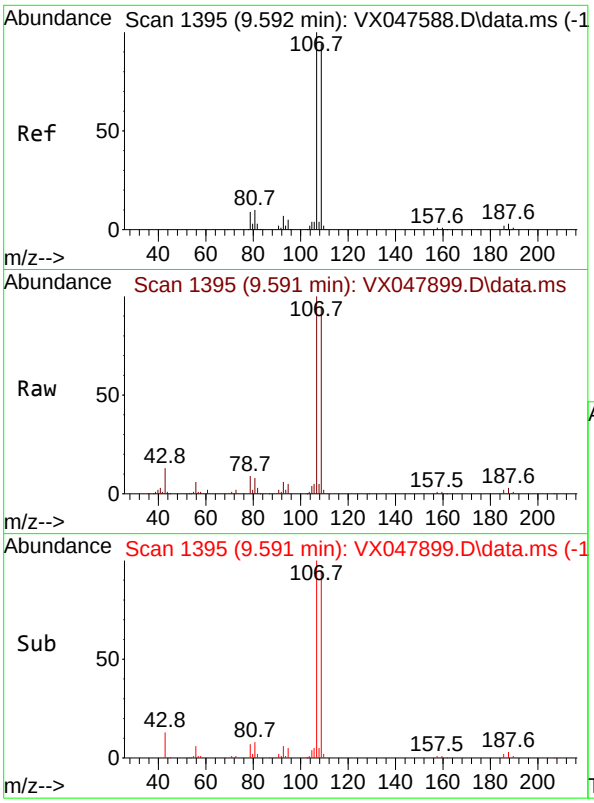


#60
Dibromochloromethane
Concen: 22.171 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:129 Resp: 45550

Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.4	115.2





#61
1,2-Dibromoethane
Concen: 22.828 ug/l
RT: 9.591 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

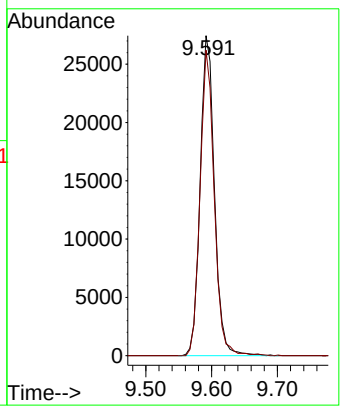
Tgt Ion:107 Resp: 4145

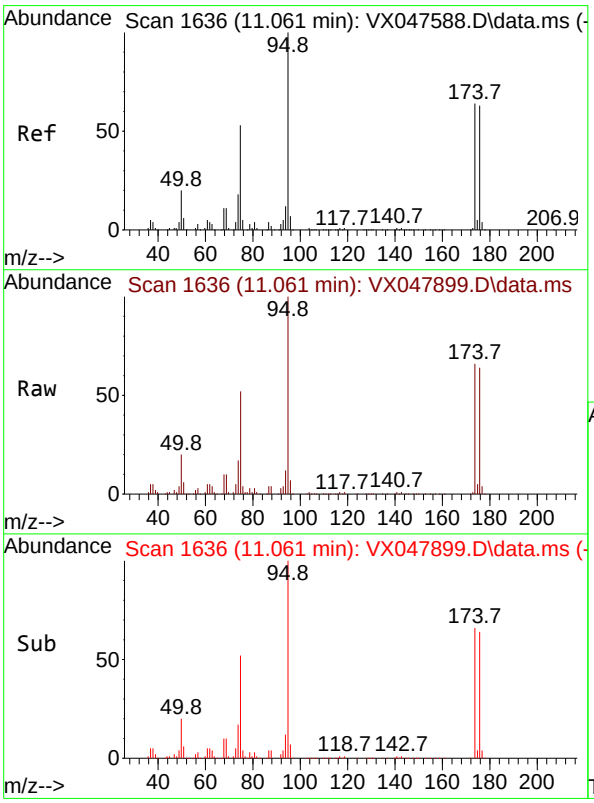
Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.3	112.9

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

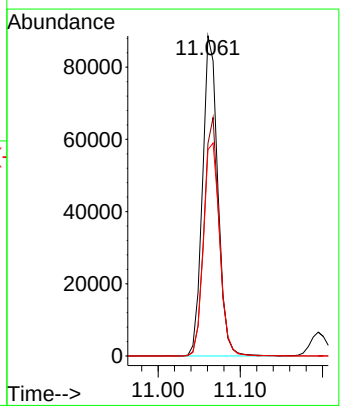


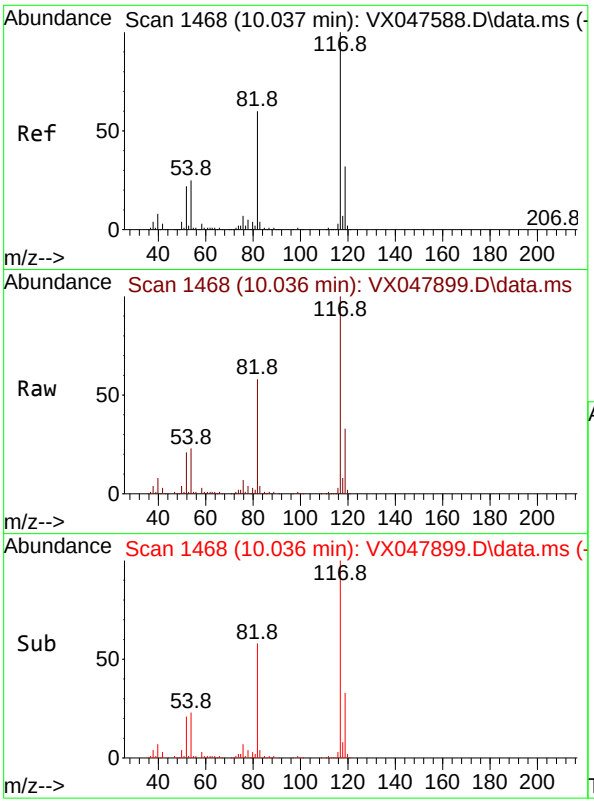


#62
4-Bromofluorobenzene
Concen: 51.645 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 95 Resp: 114694

Ion	Ratio	Lower	Upper
95	100		
174	73.5	0.0	141.6
176	70.5	0.0	138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.036 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

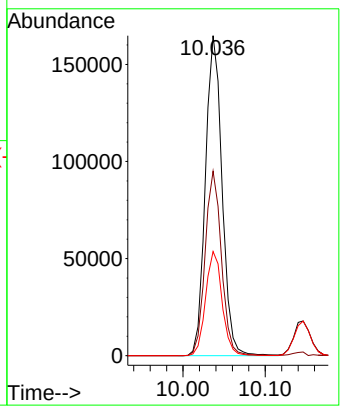
Tgt Ion:117 Resp: 23170

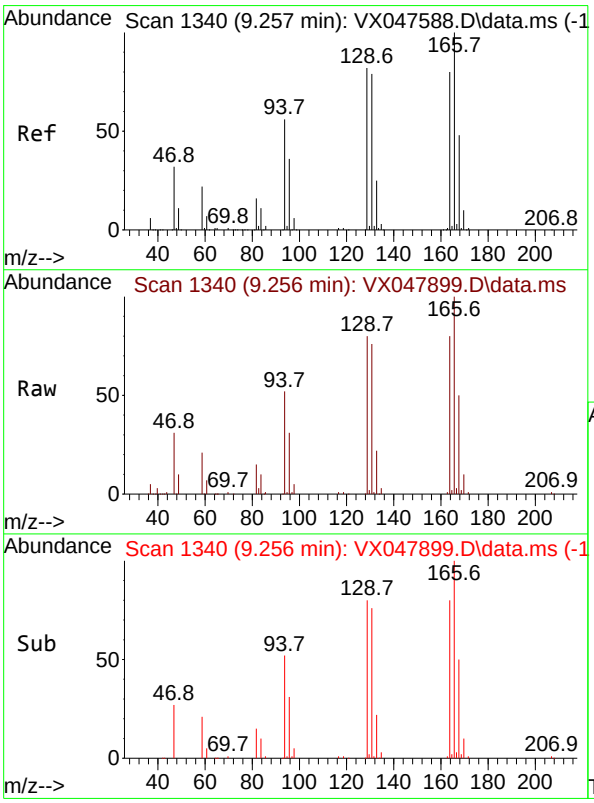
Ion	Ratio	Lower	Upper
117	100		
82	57.7	47.8	71.6
119	32.5	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

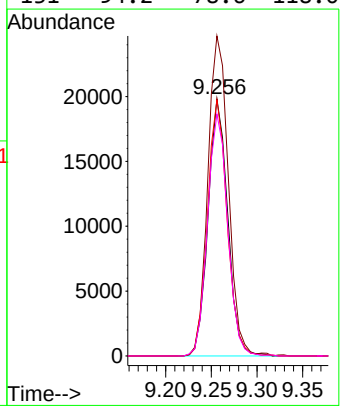


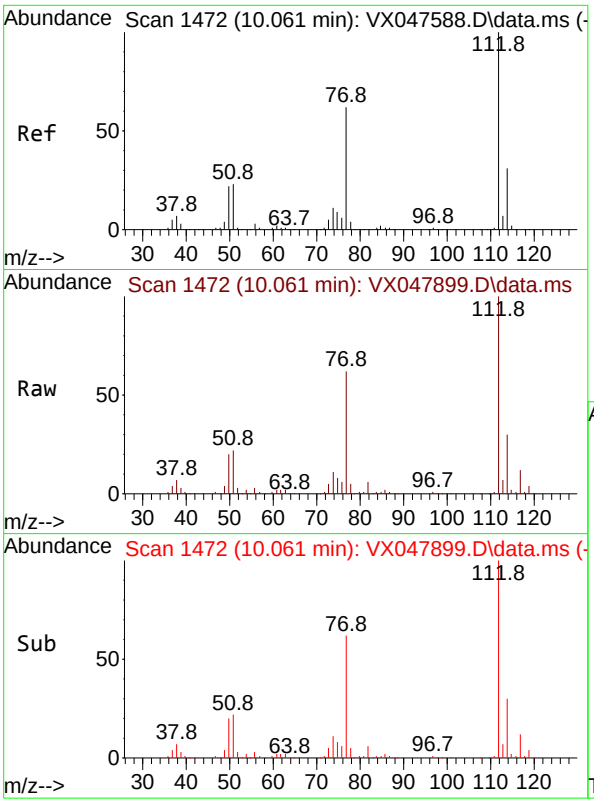


#64
Tetrachloroethene
Concen: 19.566 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:164 Resp: 29553

Ion	Ratio	Lower	Upper
164	100		
166	124.6	100.2	150.2
129	99.8	81.8	122.6
131	94.2	78.6	118.0

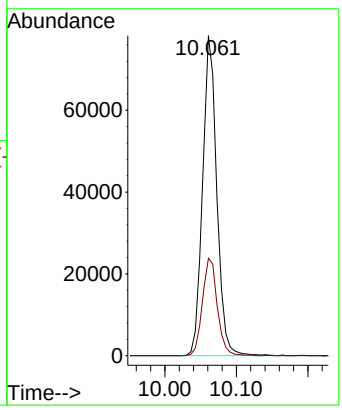




#65
Chlorobenzene
Concen: 20.495 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:112 Resp: 10787

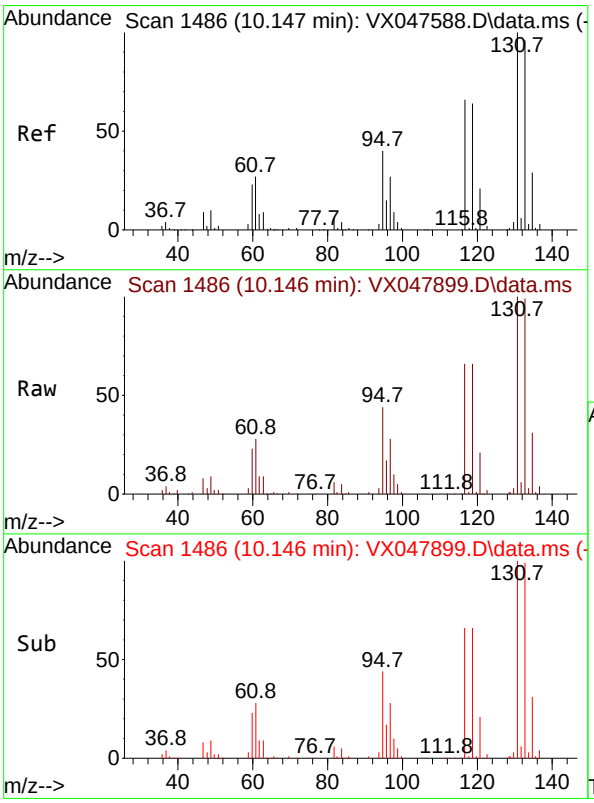
Ion	Ratio	Lower	Upper
112	100		
114	30.5	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

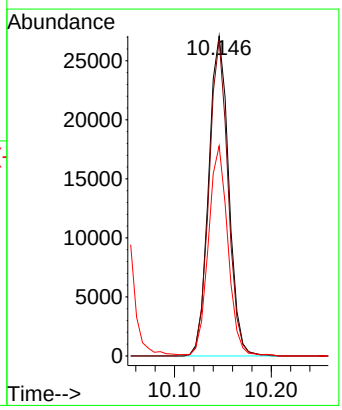
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

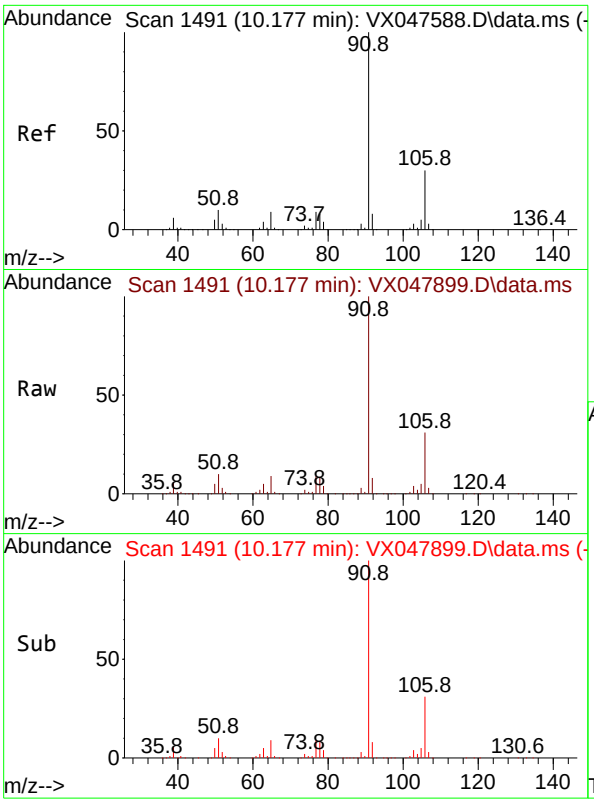


#66
1,1,1,2-Tetrachloroethane
Concen: 21.408 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:131 Resp: 38886

Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.3	142.0
119	64.3	32.0	96.0





#67
Ethyl Benzene
Concen: 19.761 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

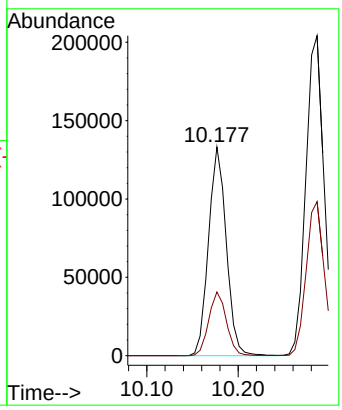
Tgt Ion: 91 Resp: 17947

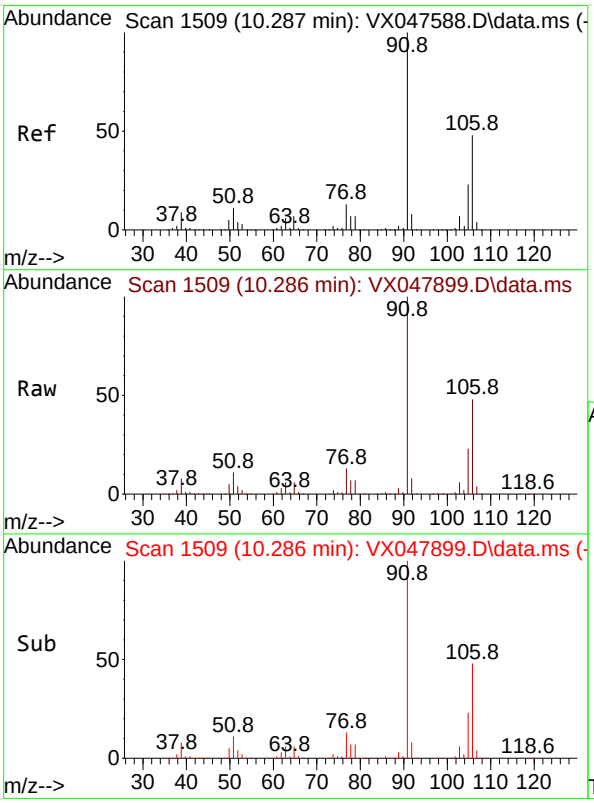
Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.3	36.5

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

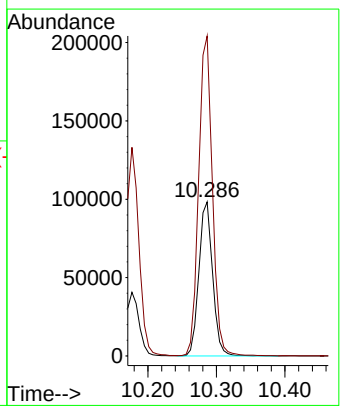


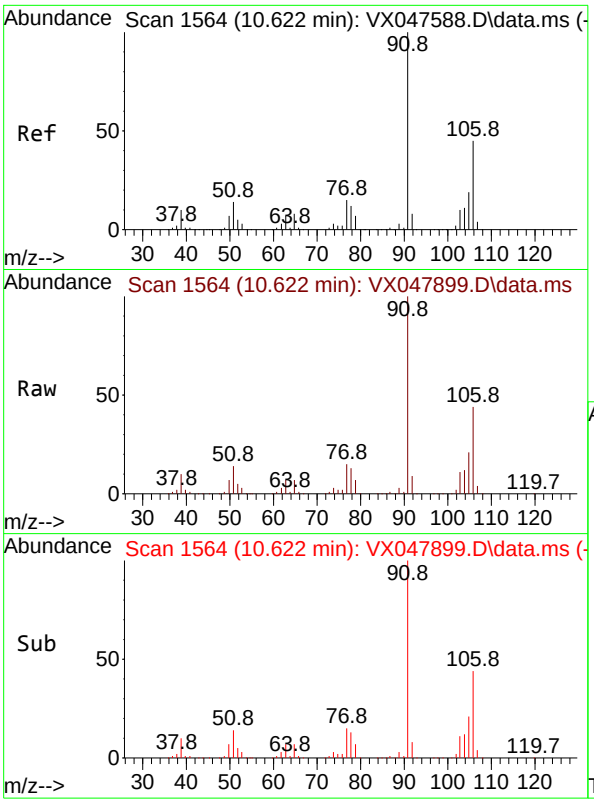


#68
m/p-Xylenes
Concen: 40.608 ug/l
RT: 10.286 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:106 Resp: 137274

Ion	Ratio	Lower	Upper
106	100		
91	207.8	167.8	251.8





#69
o-Xylene
Concen: 20.178 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

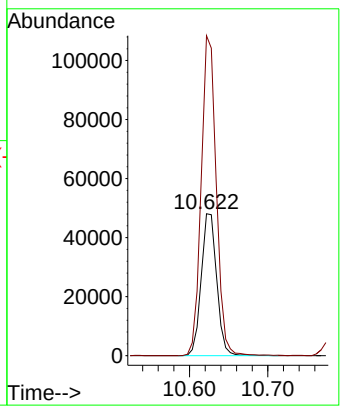
Tgt Ion:106 Resp: 6597

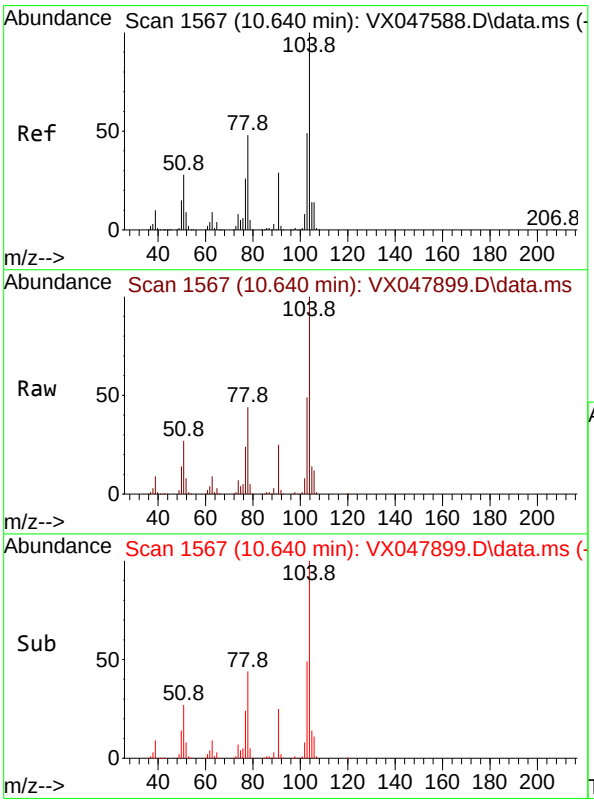
Ion	Ratio	Lower	Upper
106	100		
91	219.9	111.1	333.4

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

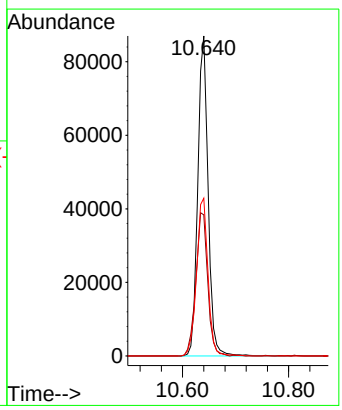


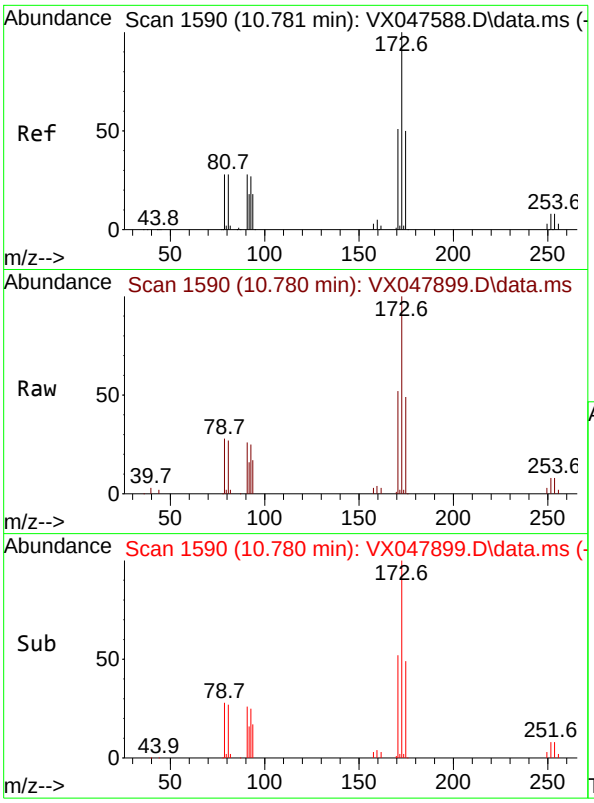


#70
Styrene
Concen: 20.470 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:104 Resp: 117279

Ion	Ratio	Lower	Upper
104	100		
78	51.4	43.1	64.7
103	54.7	43.1	64.7

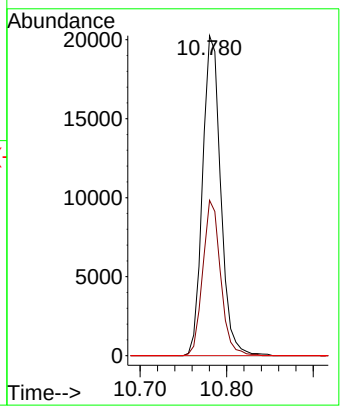




#71
Bromoform
Concen: 21.740 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:173 Resp: 2948

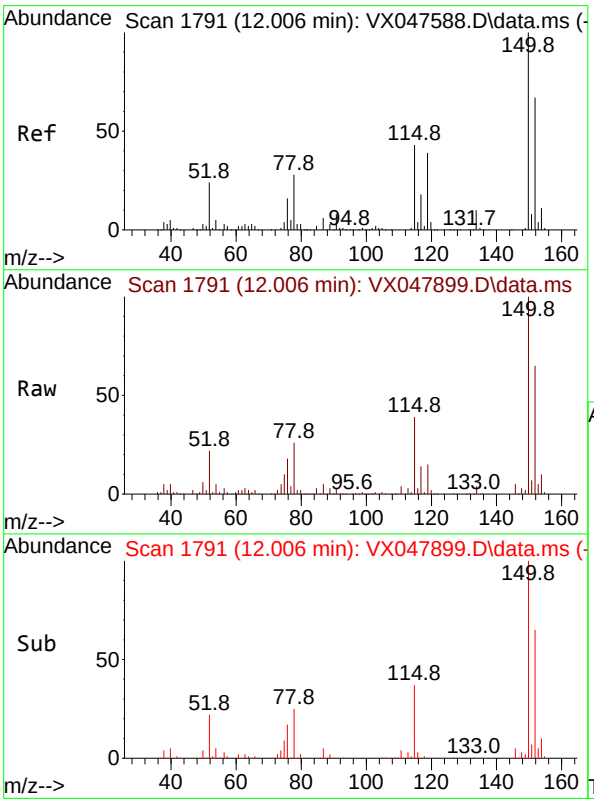
Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.9	74.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

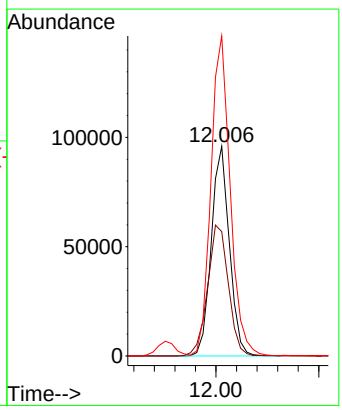
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

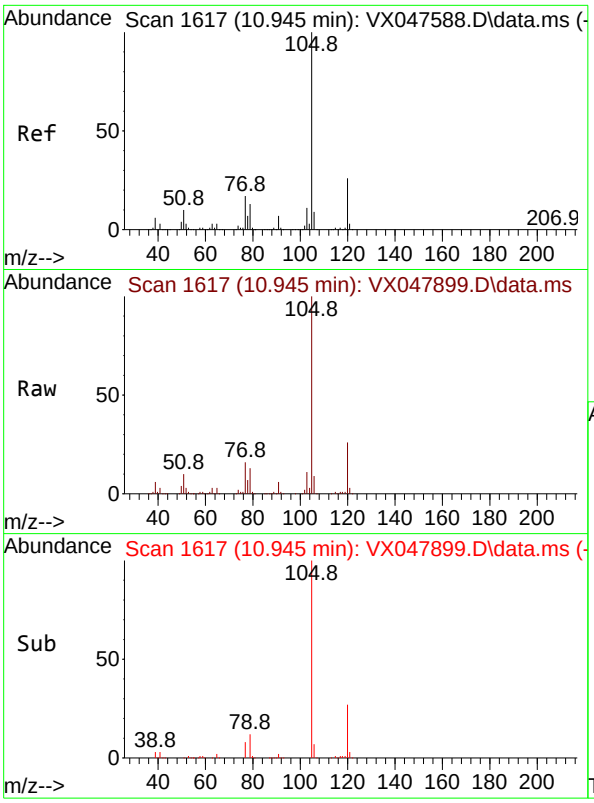


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:152 Resp: 116962

Ion	Ratio	Lower	Upper
152	100		
115	72.0	44.9	134.5
150	162.5	0.0	352.0





#73
Isopropylbenzene
Concen: 19.011 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

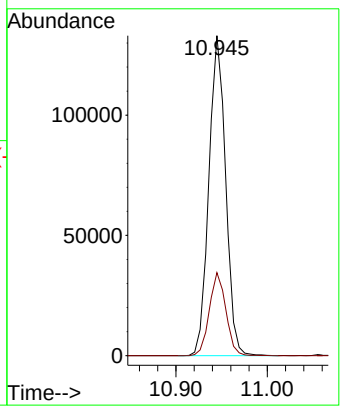
Tgt Ion:105 Resp: 16904

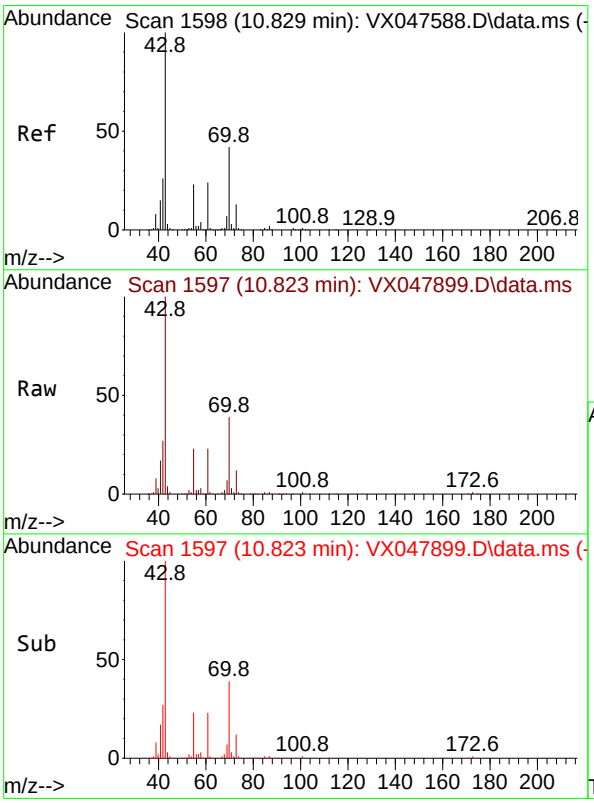
Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

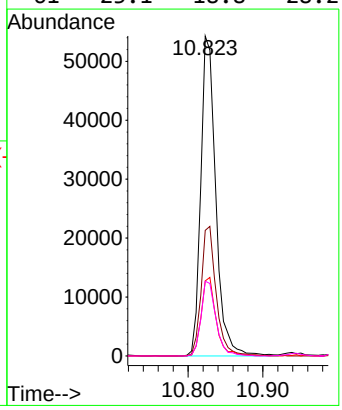


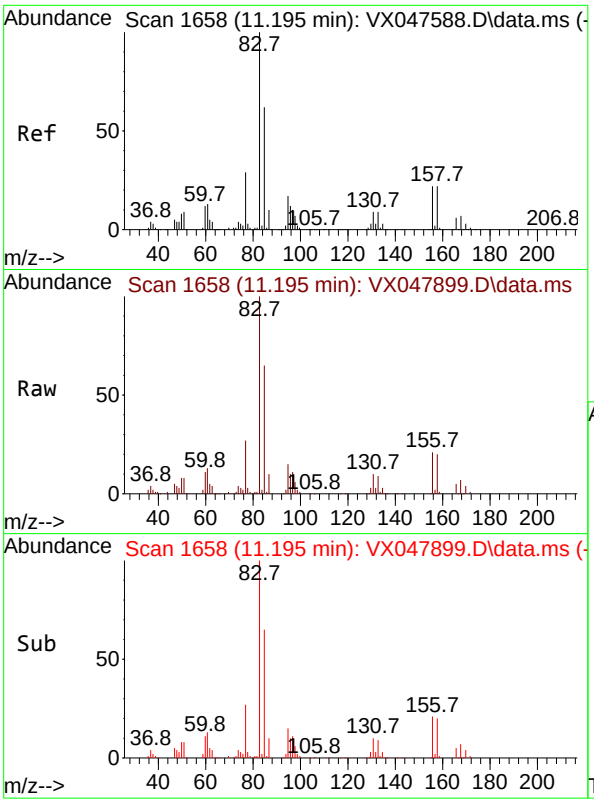


#74
N-amyl acetate
Concen: 18.720 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 43 Resp: 75908

Ion	Ratio	Lower	Upper
43	100		
70	40.5	32.0	48.0
55	24.2	18.9	28.3
61	23.1	18.8	28.2

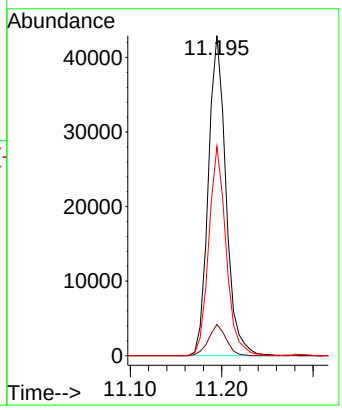




#75
1,1,2,2-Tetrachloroethane
Concen: 21.323 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 83 Resp: 5736

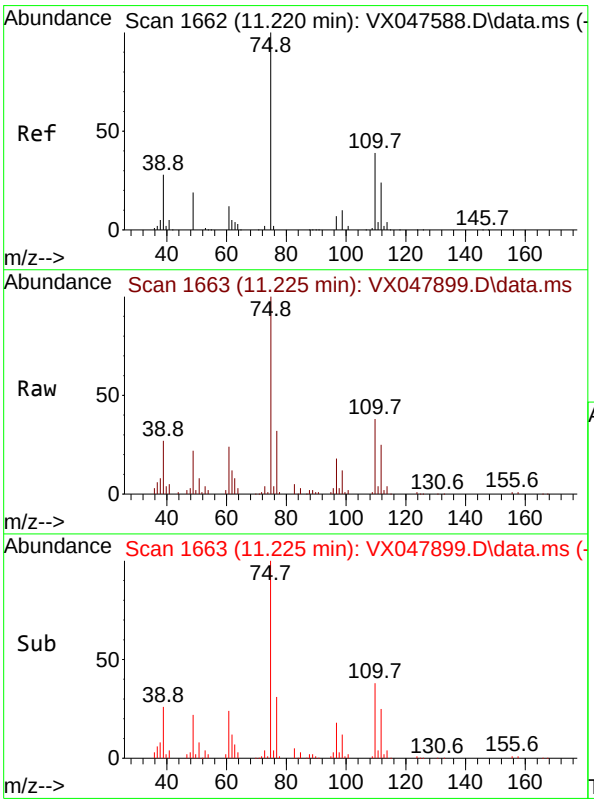
Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	64.2	31.6	95.0



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

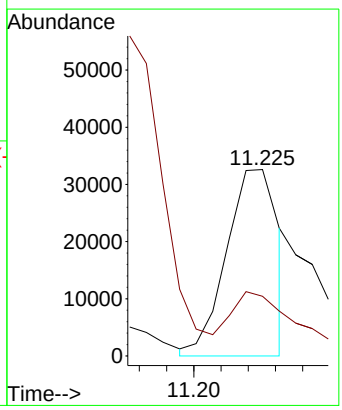
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

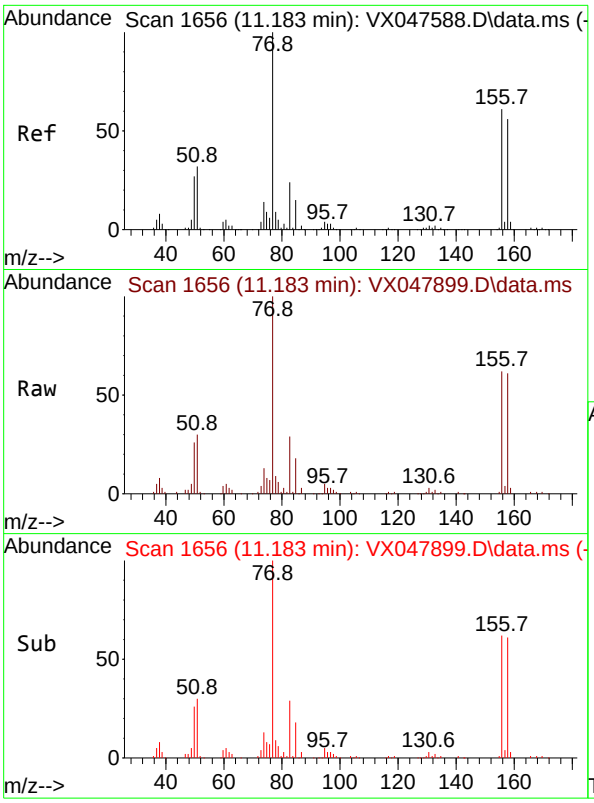


#76
1,2,3-Trichloropropane
Concen: 18.223 ug/l m
RT: 11.225 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 75 Resp: 43155

Ion	Ratio	Lower	Upper
75	100		
77	43.9	18.8	56.4





#77
Bromobenzene
Concen: 19.754 ug/l
RT: 11.183 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

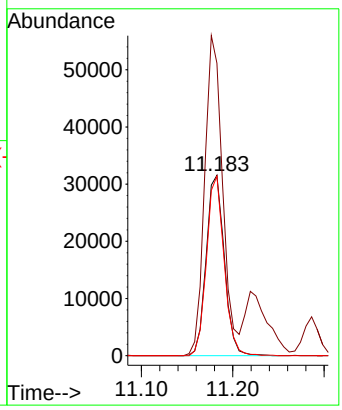
Tgt Ion:156 Resp: 4326

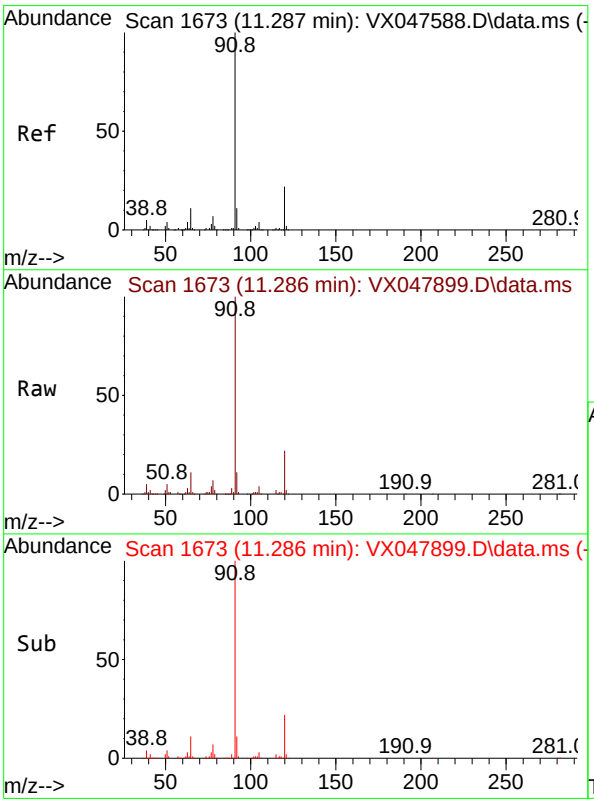
Ion	Ratio	Lower	Upper
156	100		
77	175.9	89.7	269.1
158	96.9	47.9	143.6

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

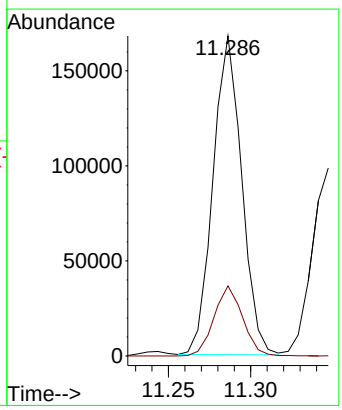


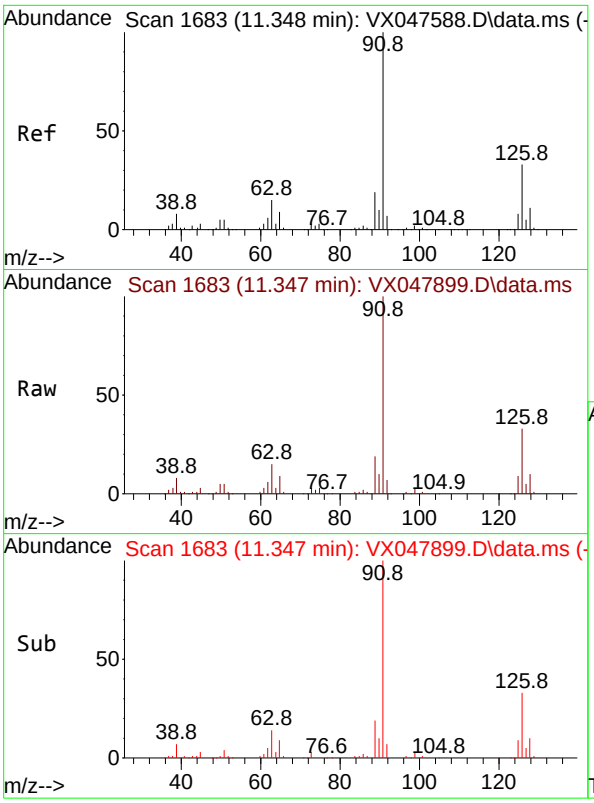


#78
n-propylbenzene
Concen: 19.346 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 91 Resp: 203358

Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.1	33.1





#79
2-Chlorotoluene
Concen: 19.454 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

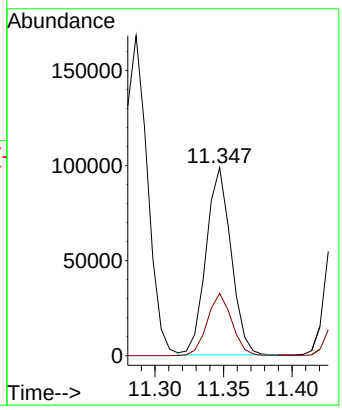
Tgt Ion: 91 Resp: 12524

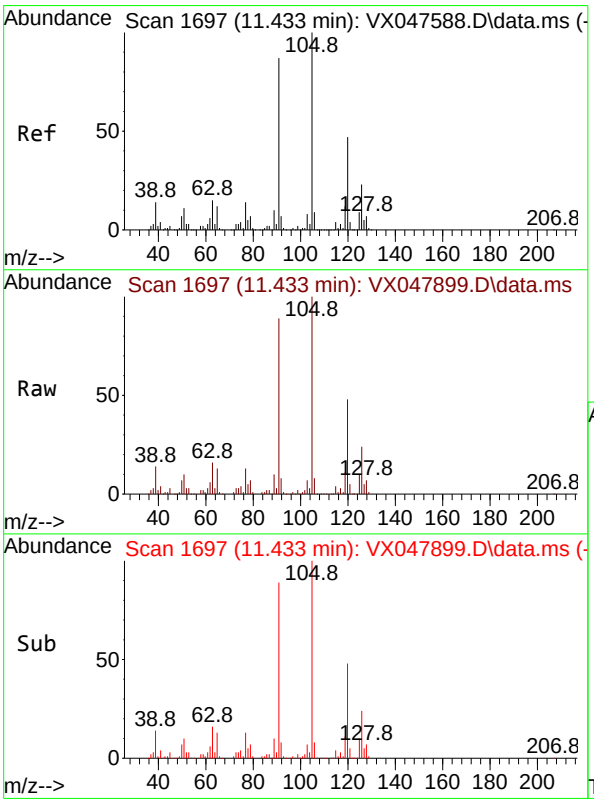
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

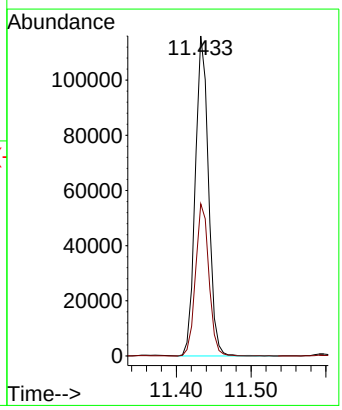


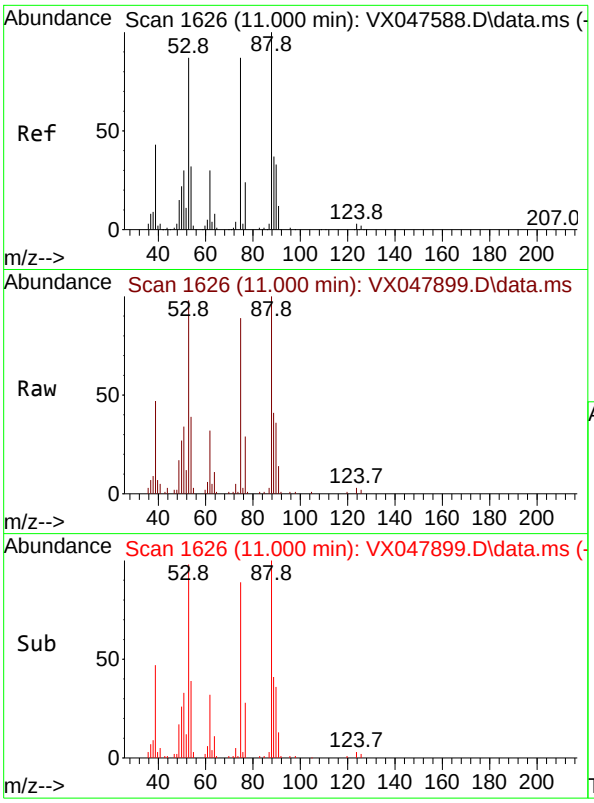


#80
1,3,5-Trimethylbenzene
Concen: 19.485 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:105 Resp: 142350

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 17.265 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

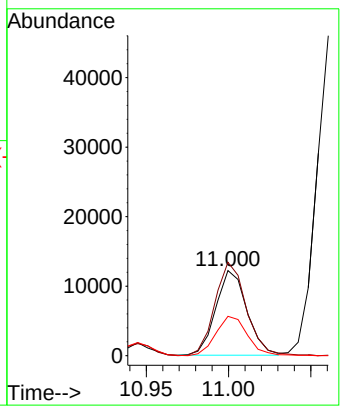
Tgt Ion: 75 Resp: 1603

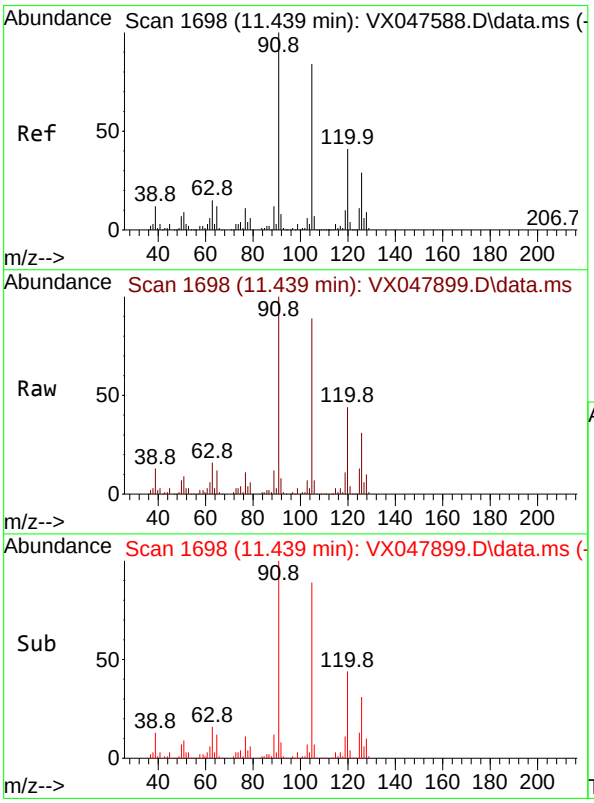
Ion	Ratio	Lower	Upper
75	100		
53	111.6	83.4	125.2
89	47.4	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

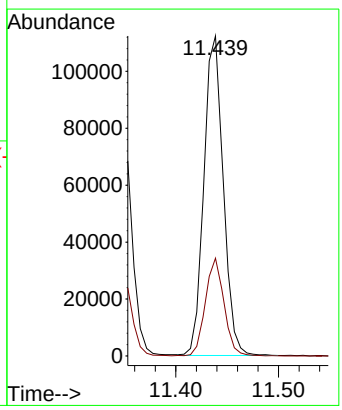


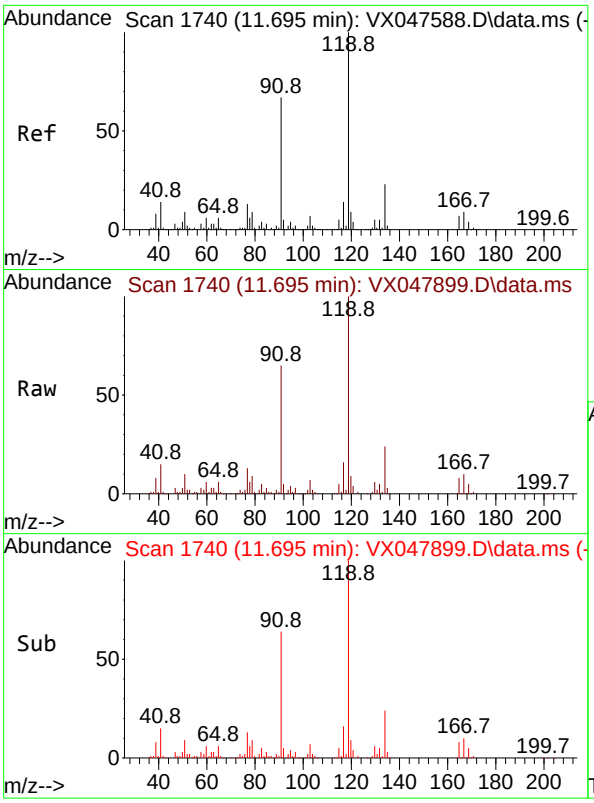


#82
4-Chlorotoluene
Concen: 19.377 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 91 Resp: 147339

Ion	Ratio	Lower	Upper
91	100		
126	29.5	14.2	42.6

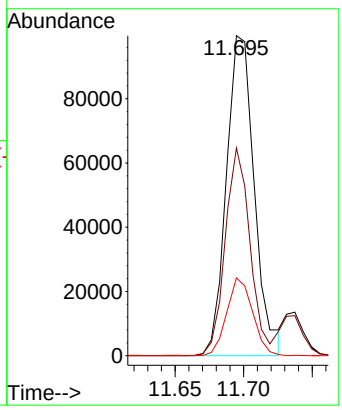




#83
tert-Butylbenzene
Concen: 18.892 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:119 Resp: 14128

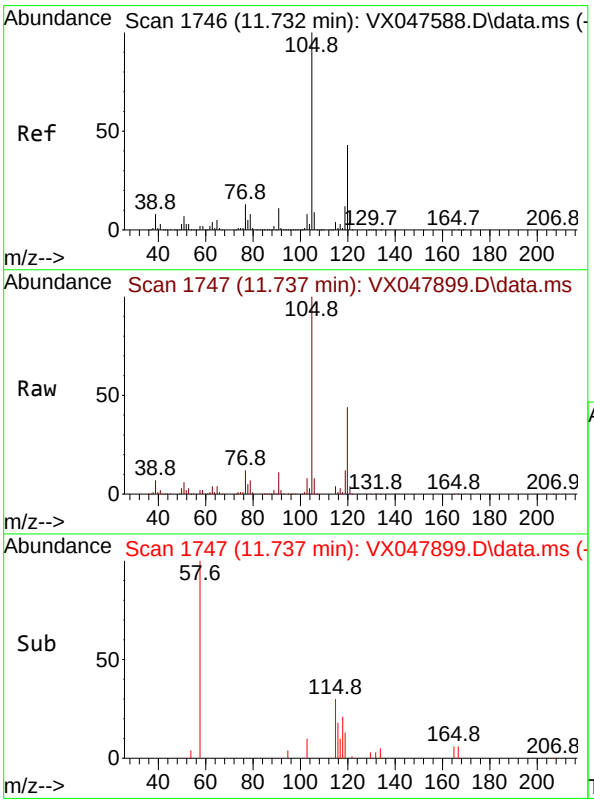
Ion	Ratio	Lower	Upper
119	100		
91	57.5	29.6	88.8
134	22.5	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

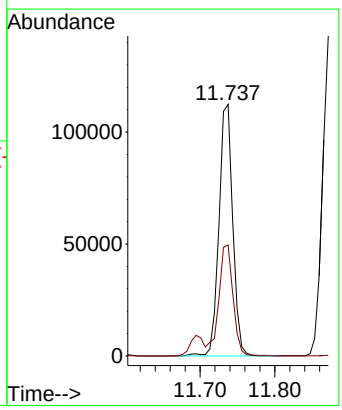
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

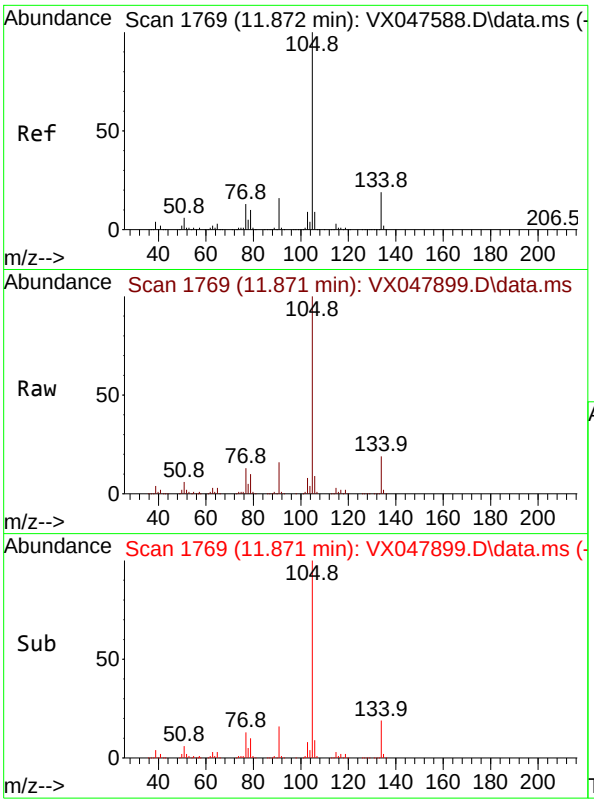


#84
1,2,4-Trimethylbenzene
Concen: 19.534 ug/l
RT: 11.737 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:105 Resp: 144682

Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.1	66.1





#85
sec-Butylbenzene
Concen: 19.363 ug/l
RT: 11.871 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

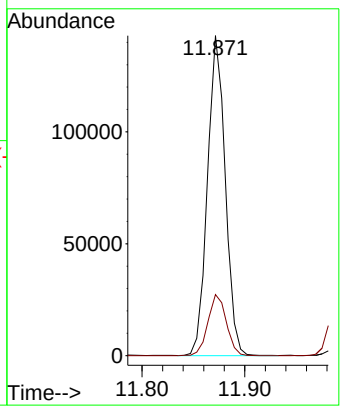
Tgt Ion:105 Resp: 17200

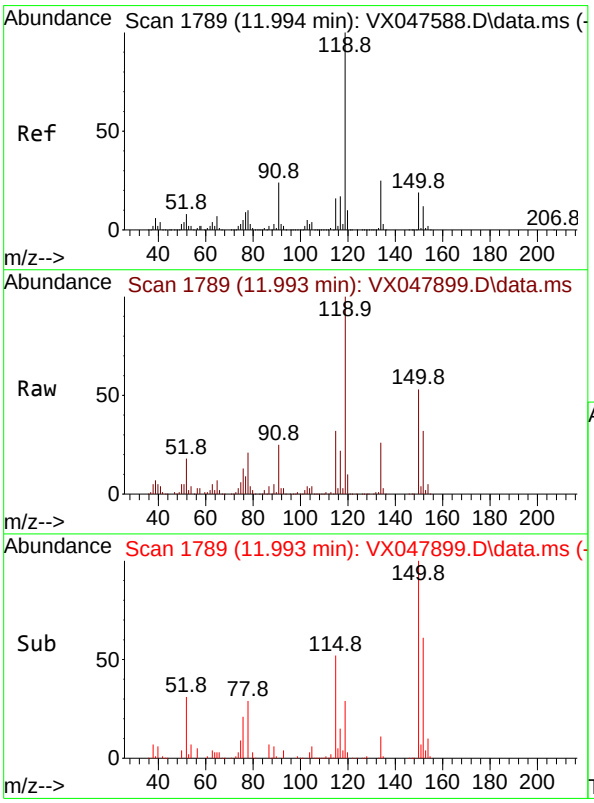
Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

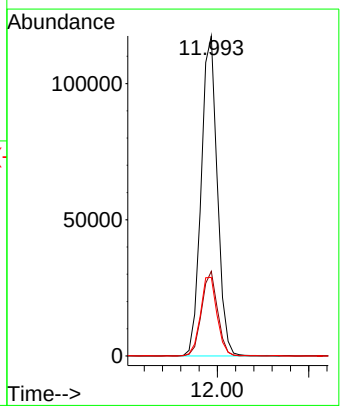


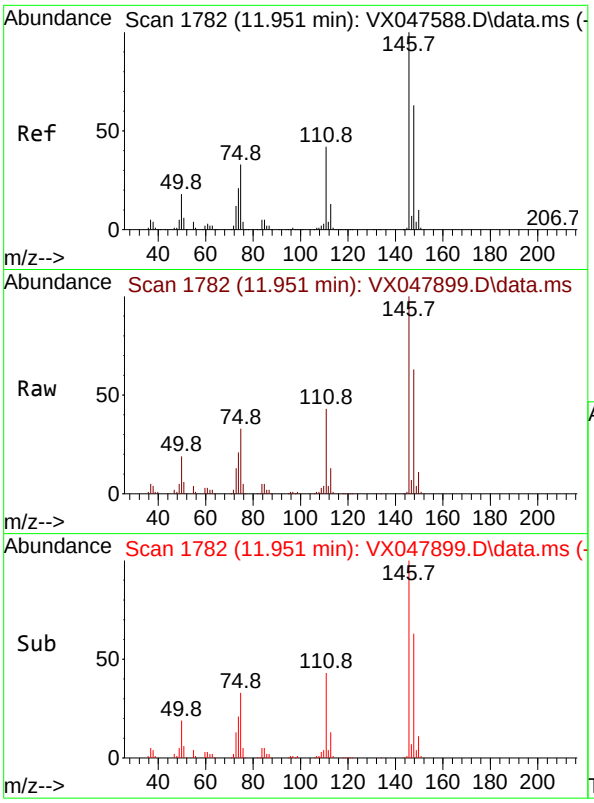


#86
p-Isopropyltoluene
Concen: 19.059 ug/l
RT: 11.993 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:119 Resp: 143333

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.6	37.8
91	25.5	12.6	37.6

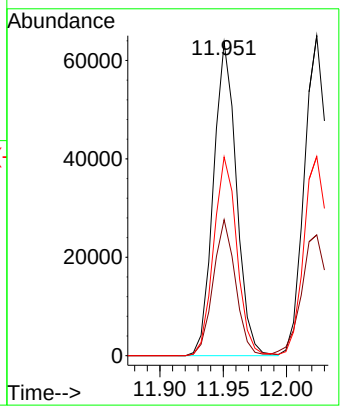




#87
1,3-Dichlorobenzene
Concen: 19.740 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:146 Resp: 8030

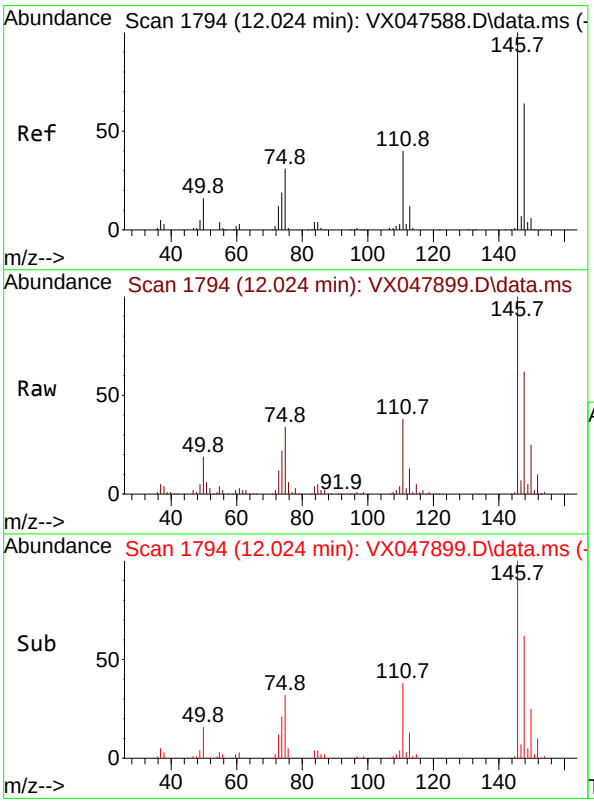
Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.5	64.5
148	64.2	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

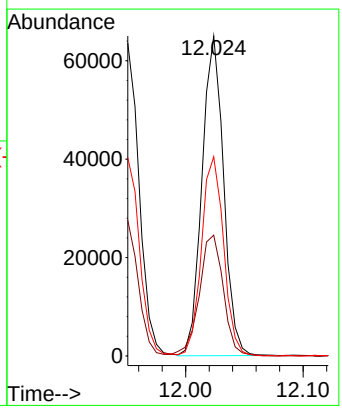
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

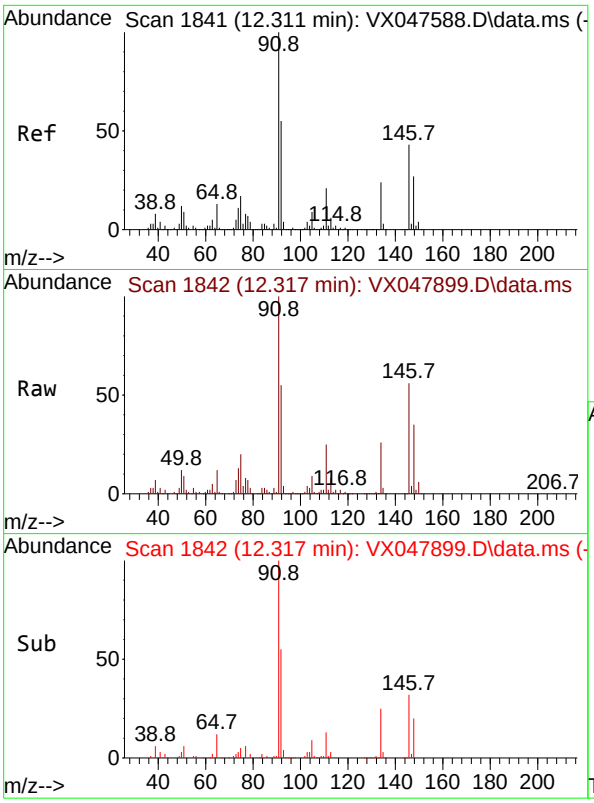


#88
1,4-Dichlorobenzene
Concen: 19.871 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:146 Resp: 82964

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.8	62.4
148	64.0	31.7	95.1





#89
n-Butylbenzene
Concen: 18.965 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

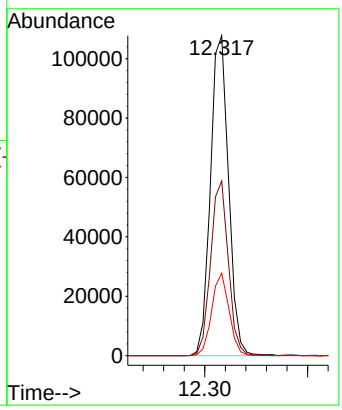
Tgt Ion: 91 Resp: 13197

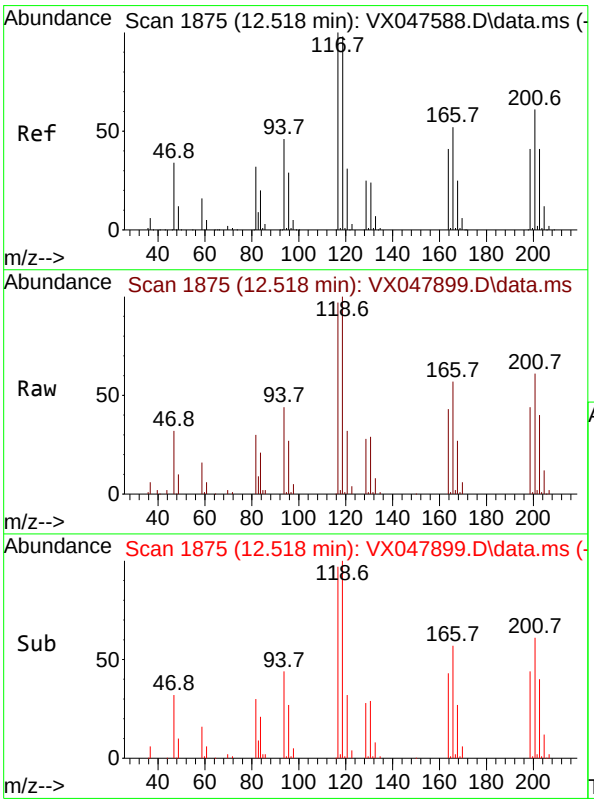
Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.6	82.7
134	24.8	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

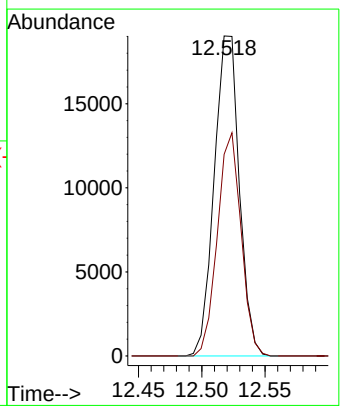


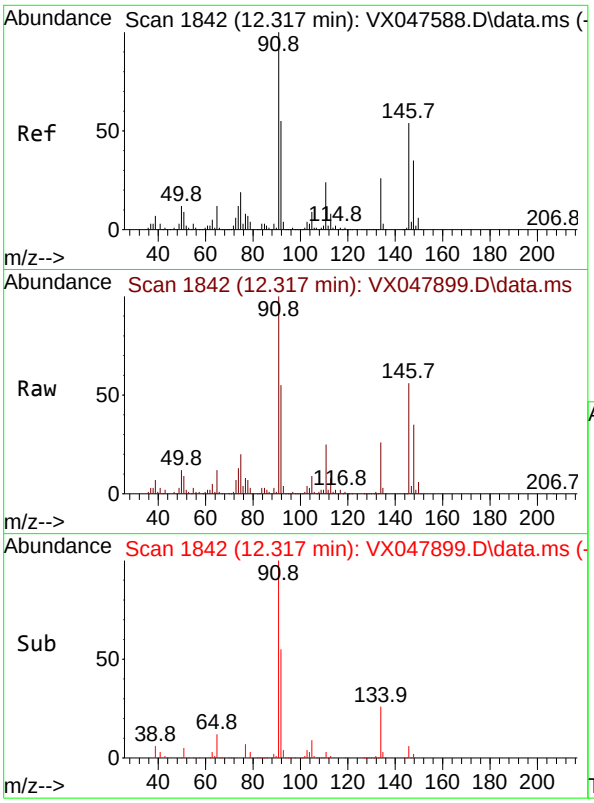


#90
Hexachloroethane
Concen: 19.900 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:117 Resp: 26275

Ion	Ratio	Lower	Upper
117	100		
201	65.7	34.2	102.5

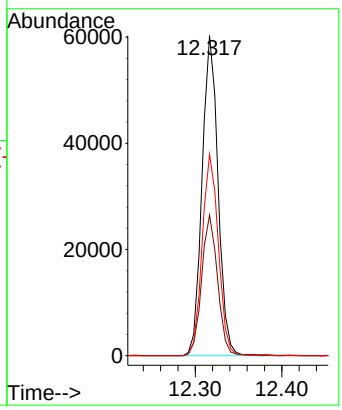




#91
1,2-Dichlorobenzene
Concen: 19.939 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:146 Resp: 7727

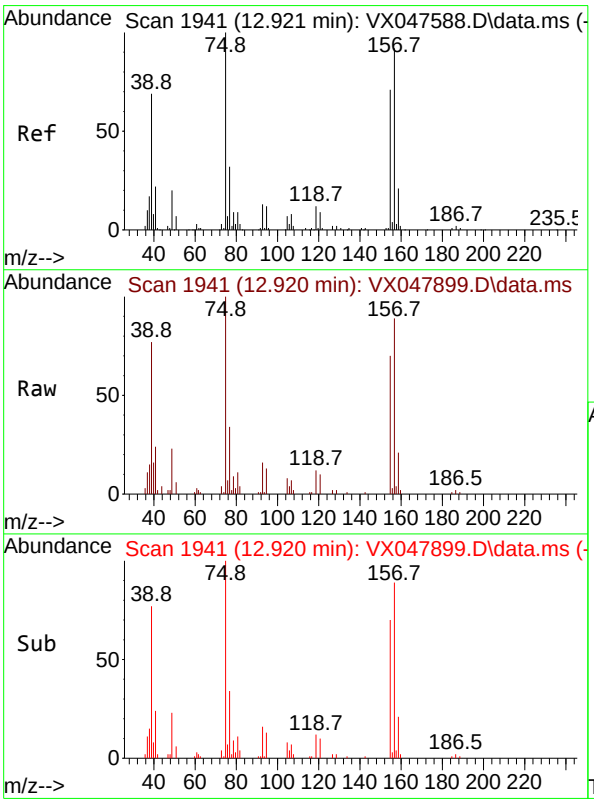
Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.2	66.6
148	63.6	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

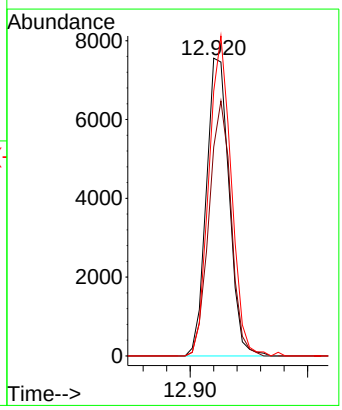
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

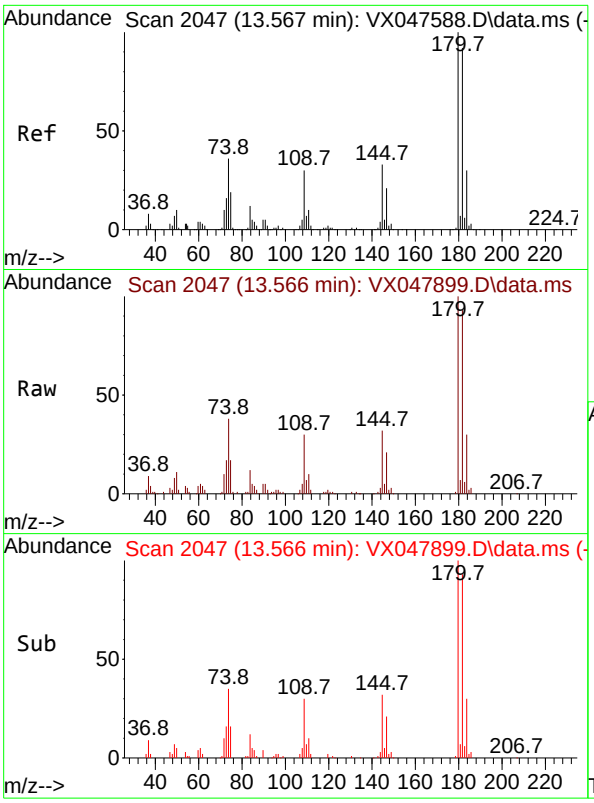


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.688 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 75 Resp: 10179

Ion	Ratio	Lower	Upper
75	100		
155	83.0	37.7	113.1
157	105.5	49.8	149.4

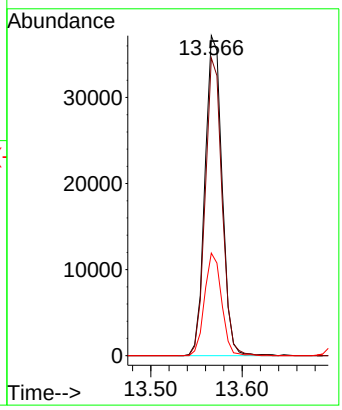




#93
1,2,4-Trichlorobenzene
Concen: 19.097 ug/l
RT: 13.566 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:180 Resp: 4809

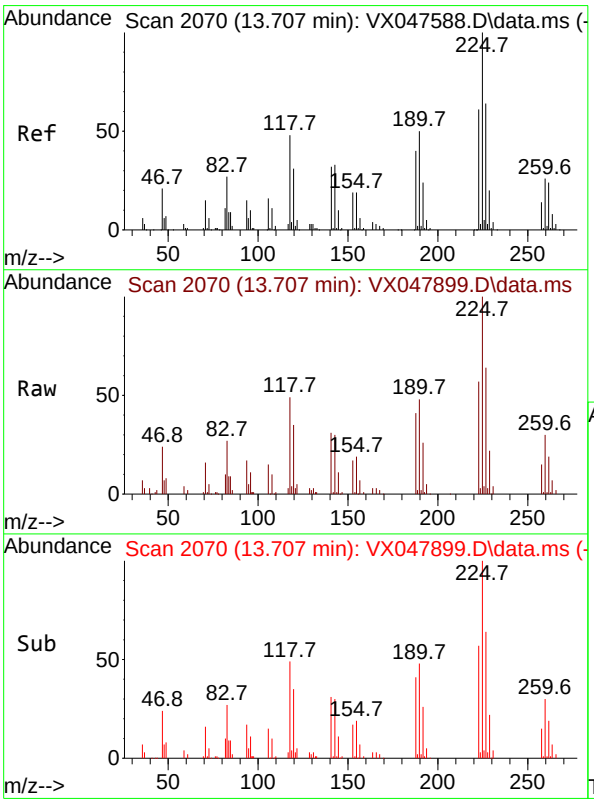
Ion	Ratio	Lower	Upper
180	100		
182	91.6	46.6	139.8
145	31.9	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

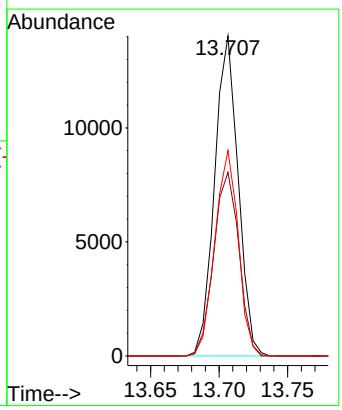
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025

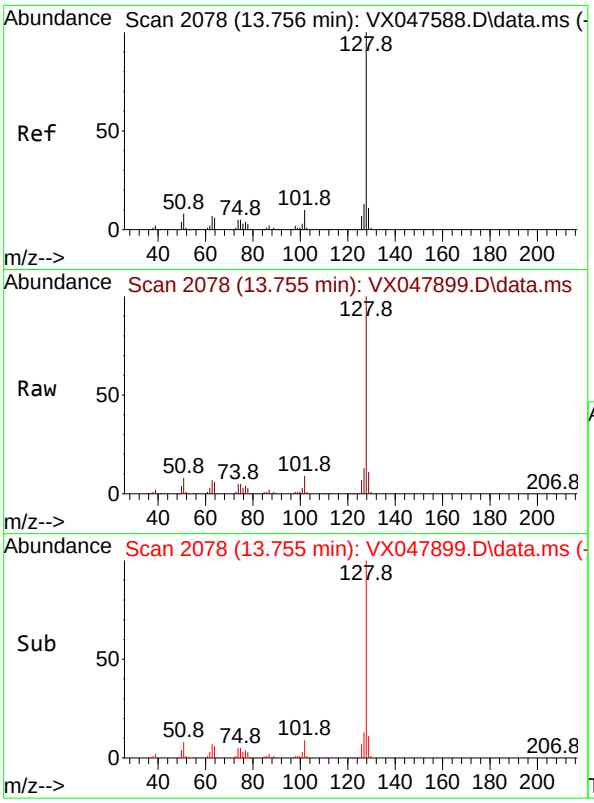


#94
Hexachlorobutadiene
Concen: 19.635 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:225 Resp: 16798

Ion	Ratio	Lower	Upper
225	100		
223	61.0	31.7	95.1
227	63.7	32.0	96.0

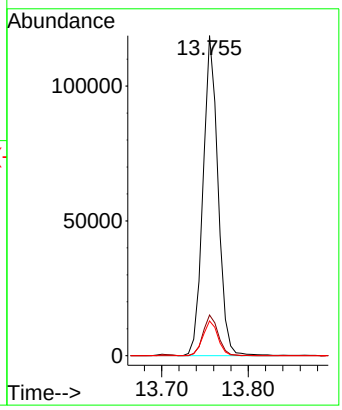




#95
Naphthalene
Concen: 18.552 ug/l
RT: 13.755 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:128 Resp: 14229

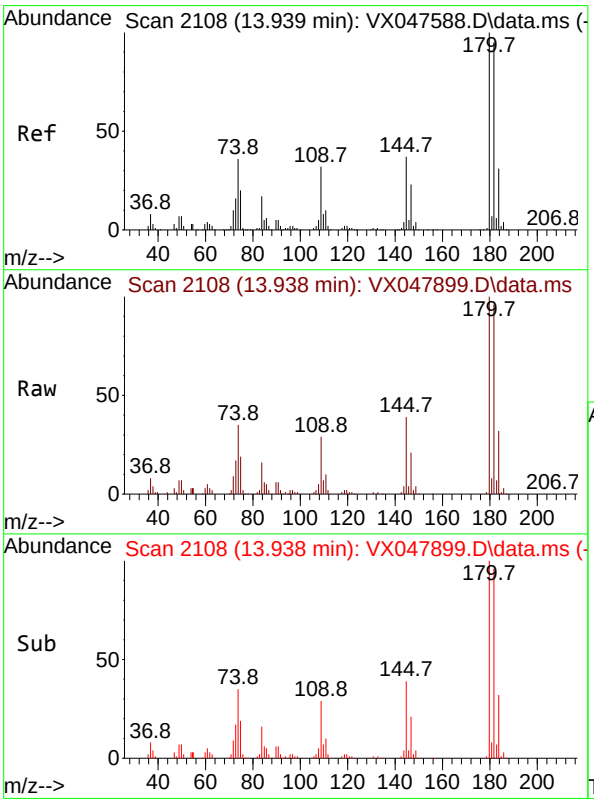
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	11.0	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Manual Integrations
APPROVED

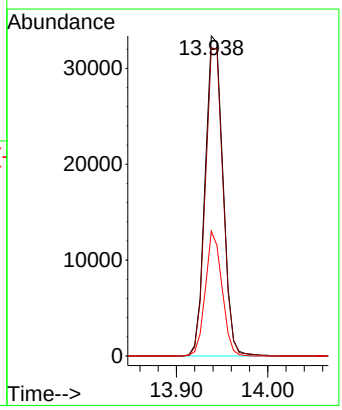
Reviewed By :John Carlone 10/01/2025
Supervised By :Mahesh Dadoda 10/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.210 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:180 Resp: 45008

Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.6	142.8
145	36.2	17.9	53.7



Raw Data: **VX047873.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0929WBSD01	SDG No.:	Q3213
Lab Sample ID:	VX0929WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047873.D	1	09/29/25 11:26	VX092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	20.7		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	18.0		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	19.6		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	21.2		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	18.9		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.6		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.9		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.3		0.23	0.75	1.00	ug/L
67-64-1	Acetone	92.5		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	18.5		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.7		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	23.5		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	19.6		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.4		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.3		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	18.4		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.1		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.4		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	18.7		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	20.0		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.6		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	18.7		0.16	0.50	1.00	ug/L
71-43-2	Benzene	19.6		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.4		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.7		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.8		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.7		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	120		0.68	2.50	5.00	ug/L
108-88-3	Toluene	19.7		0.14	0.50	1.00	ug/L

Raw Data: **VX047873.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0929WBSD01	SDG No.:	Q3213
Lab Sample ID:	VX0929WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047873.D	1	09/29/25 11:26	VX092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.2		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.5		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.0		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	21.0		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.6		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.7		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.0		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	18.7		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	38.1		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	18.8		0.12	0.50	1.00	ug/L
100-42-5	Styrene	19.0		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	20.5		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	18.3		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.6		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.9		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.6		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.9		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.9		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.6		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.3		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.7		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	54.3		80 - 119		109%	SPK: 50
2037-26-5	Toluene-d8	52.9		89 - 112		106%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.0		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	159000	5.538				
540-36-3	1,4-Difluorobenzene	281000	6.751				
3114-55-4	Chlorobenzene-d5	258000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	129000	12.006				

Raw Data: **VX047873.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0929WBSD01	SDG No.:	Q3213
Lab Sample ID:	VX0929WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047873.D	1	09/29/25 11:26	VX092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047873.D
Acq On : 29 Sep 2025 11:26
Operator : JC/MD
Sample : VX0929WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 30 01:16:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	159091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	281426	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	258238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	129173	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	130982	51.724	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.440%			
35) Dibromofluoromethane	5.373	113	102561	54.340	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.680%			
50) Toluene-d8	8.635	98	345784	52.947	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.900%			
62) 4-Bromofluorobenzene	11.061	95	133853	54.005	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	34085	20.690	ug/l	97
3) Chloromethane	1.301	50	39019	18.021	ug/l	99
4) Vinyl Chloride	1.380	62	41519	19.590	ug/l	97
5) Bromomethane	1.618	94	28541	21.236	ug/l	97
6) Chloroethane	1.697	64	26784	18.908	ug/l	98
7) Trichlorofluoromethane	1.898	101	61665	19.595	ug/l	99
8) Diethyl Ether	2.136	74	25252	19.616	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.337	101	36665	19.925	ug/l	98
10) Methyl Iodide	2.459	142	43370	15.112	ug/l	99
11) Tert butyl alcohol	2.947	59	32652	115.773	ug/l	99
12) 1,1-Dichloroethene	2.325	96	36445	19.281	ug/l	96
13) Acrolein	2.239	56	22223	85.506	ug/l	98
14) Allyl chloride	2.666	41	69685	17.866	ug/l	96
15) Acrylonitrile	3.056	53	118062	113.014	ug/l	99
16) Acetone	2.380	43	101804	92.460	ug/l	99
17) Carbon Disulfide	2.514	76	95701	18.495	ug/l	99
18) Methyl Acetate	2.703	43	57525	23.476	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	136117	19.727	ug/l	98
20) Methylene Chloride	2.788	84	45672	19.596	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	39396	19.359	ug/l	93
22) Diisopropyl ether	3.751	45	147892	19.565	ug/l #	77
23) Vinyl Acetate	3.715	43	602914	99.657	ug/l	99
24) 1,1-Dichloroethane	3.605	63	77590	19.312	ug/l	99
25) 2-Butanone	4.544	43	149922	109.158	ug/l	98
26) 2,2-Dichloropropane	4.471	77	62308	18.656	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	48396	19.419	ug/l	97
28) Bromochloromethane	4.891	49	32770	18.683	ug/l	99
29) Tetrahydrofuran	4.995	42	90983	110.118	ug/l	99
30) Chloroform	5.080	83	81327	20.031	ug/l	99
31) Cyclohexane	5.458	56	61505	18.380	ug/l	94
32) 1,1,1-Trichloroethane	5.373	97	67446	19.585	ug/l	100
36) 1,1-Dichloropropene	5.678	75	51627	18.719	ug/l	99
37) Ethyl Acetate	4.702	43	62780	21.260	ug/l	98
38) Carbon Tetrachloride	5.666	117	57219	19.095	ug/l	98
39) Methylcyclohexane	7.367	83	58622	18.725	ug/l	98
40) Benzene	6.025	78	164227	19.606	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047873.D
Acq On : 29 Sep 2025 11:26
Operator : JC/MD
Sample : VX0929WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 30 01:16:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	33580	22.027	ug/l		98
42) 1,2-Dichloroethane	6.074	62	61675	19.351	ug/l		98
43) Isopropyl Acetate	6.324	43	100312	20.713	ug/l		99
44) Trichloroethene	7.110	130	39965	19.734	ug/l		99
45) 1,2-Dichloropropane	7.415	63	42507	19.818	ug/l		97
46) Dibromomethane	7.568	93	31801	20.374	ug/l		98
47) Bromodichloromethane	7.805	83	63550	19.730	ug/l		98
48) Methyl methacrylate	7.677	41	49641	20.578	ug/l		98
49) 1,4-Dioxane	7.647	88	13266	544.144	ug/l		99
51) 4-Methyl-2-Pentanone	8.555	43	308945	115.055	ug/l		100
52) Toluene	8.702	92	101600	19.687	ug/l		98
53) t-1,3-Dichloropropene	8.964	75	62928	19.154	ug/l		98
54) cis-1,3-Dichloropropene	8.354	75	68607	19.537	ug/l		98
55) 1,1,2-Trichloroethane	9.134	97	41741	20.976	ug/l		98
56) Ethyl methacrylate	9.104	69	64436	20.618	ug/l		96
57) 1,3-Dichloropropane	9.293	76	72173	21.113	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.226	63	144008	103.449	ug/l		99
59) 2-Hexanone	9.415	43	217819	112.947	ug/l		99
60) Dibromochloromethane	9.506	129	48253	21.045	ug/l		99
61) 1,2-Dibromoethane	9.592	107	43859	21.639	ug/l		100
64) Tetrachloroethene	9.263	164	33085	19.653	ug/l		90
65) Chlorobenzene	10.067	112	111694	19.039	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.147	131	39843	19.681	ug/l		98
67) Ethyl Benzene	10.177	91	188830	18.654	ug/l		99
68) m/p-Xylenes	10.287	106	143383	38.056	ug/l		99
69) o-Xylene	10.628	106	68578	18.818	ug/l		99
70) Styrene	10.640	104	121241	18.987	ug/l		99
71) Bromoform	10.781	173	30968	20.487	ug/l	#	99
73) Isopropylbenzene	10.945	105	179619	18.290	ug/l		98
74) N-amyl acetate	10.829	43	85106	19.004	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	61210	20.601	ug/l		97
76) 1,2,3-Trichloropropane	11.220	75	54877m	20.983	ug/l		
77) Bromobenzene	11.183	156	44933	18.577	ug/l		98
78) n-propylbenzene	11.287	91	214005	18.434	ug/l		99
79) 2-Chlorotoluene	11.348	91	130727	18.385	ug/l		98
80) 1,3,5-Trimethylbenzene	11.433	105	150269	18.624	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	18795	18.326	ug/l		98
82) 4-Chlorotoluene	11.439	91	153647	18.296	ug/l		99
83) tert-Butylbenzene	11.695	119	150211	18.186	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	149600	18.288	ug/l		99
85) sec-Butylbenzene	11.872	105	184933	18.850	ug/l		100
86) p-Isopropyltoluene	11.994	119	153538	18.486	ug/l		98
87) 1,3-Dichlorobenzene	11.951	146	84852	18.887	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	85922	18.634	ug/l		99
89) n-Butylbenzene	12.317	91	141840	18.456	ug/l		98
90) Hexachloroethane	12.518	117	27438	18.816	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	80764	18.870	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.927	75	11973	19.903	ug/l		95
93) 1,2,4-Trichlorobenzene	13.567	180	48957	17.600	ug/l		98
94) Hexachlorobutadiene	13.707	225	17769	18.806	ug/l		99
95) Naphthalene	13.756	128	153884	18.167	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	47416	18.324	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047873.D
Acq On : 29 Sep 2025 11:26
Operator : JC/MD
Sample : VX0929WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

Quant Time: Sep 30 01:16:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

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

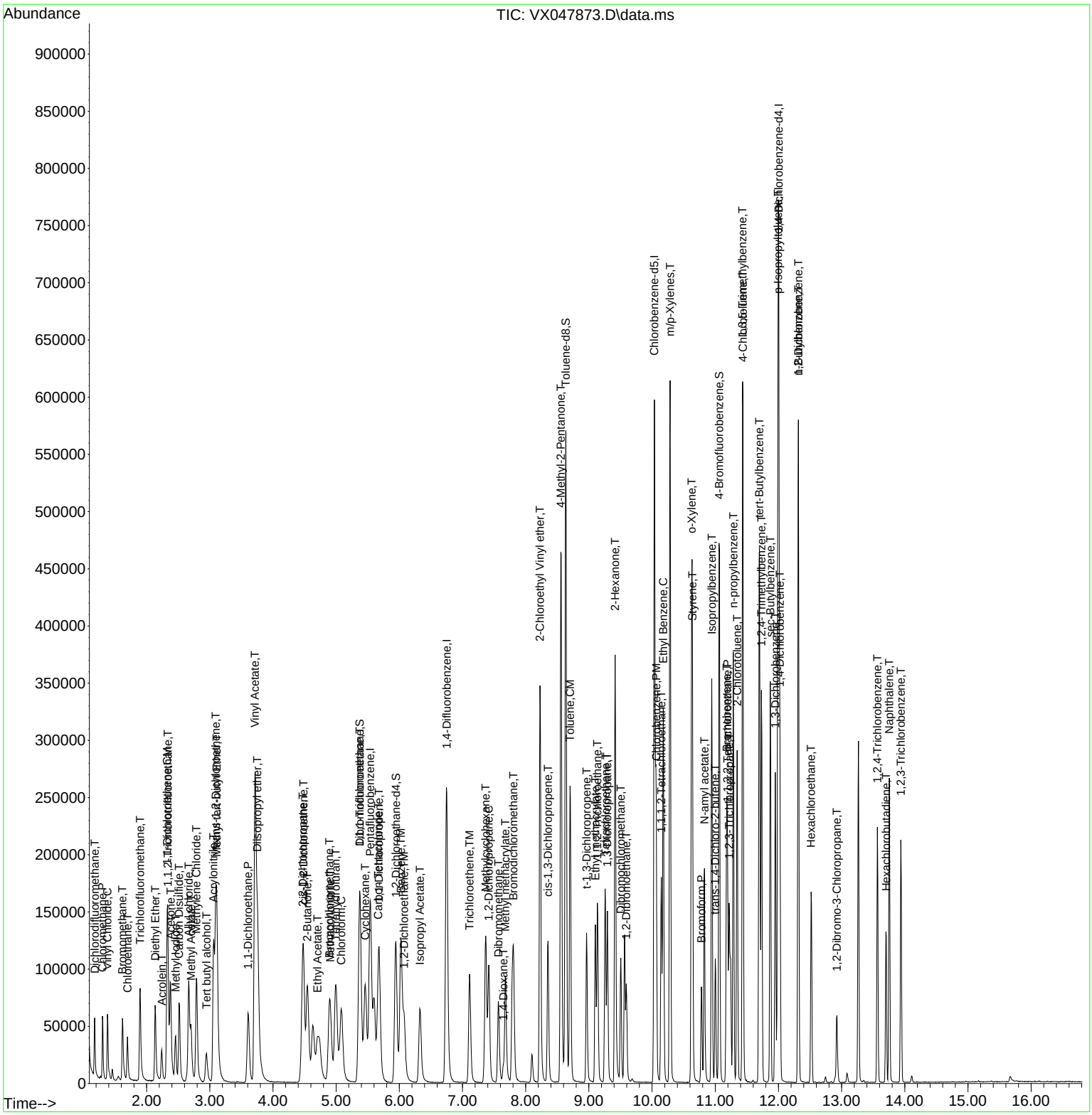
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047873.D
Acq On : 29 Sep 2025 11:26
Operator : JC/MD
Sample : VX0929WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

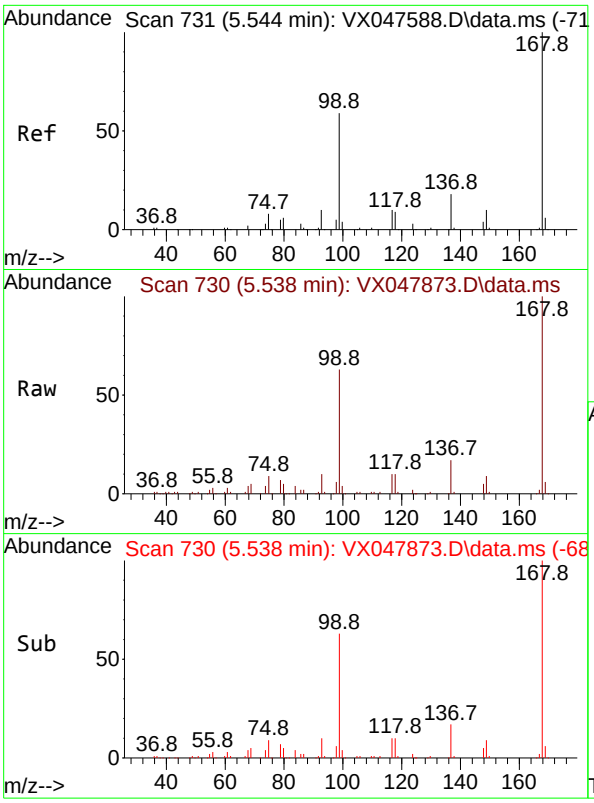
Quant Time: Sep 30 01:16:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

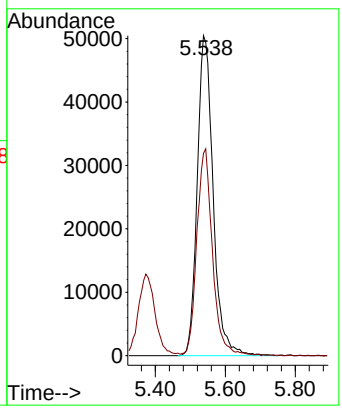




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:168 Resp: 15909

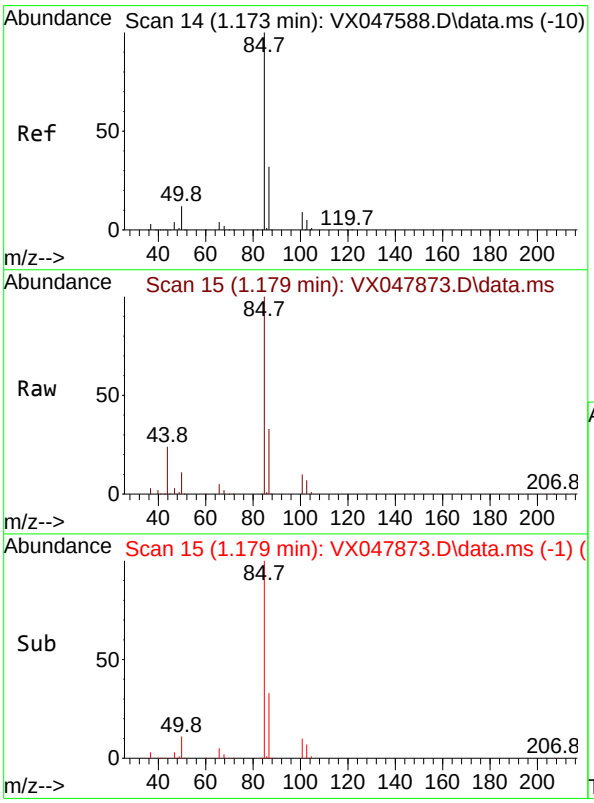
Ion	Ratio	Lower	Upper
168	100		
99	63.1	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

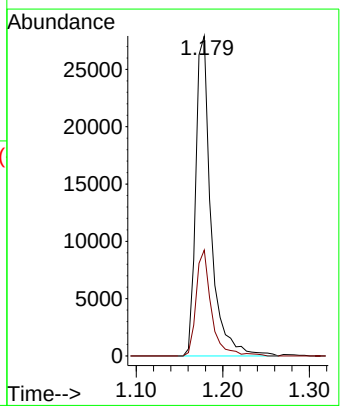
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

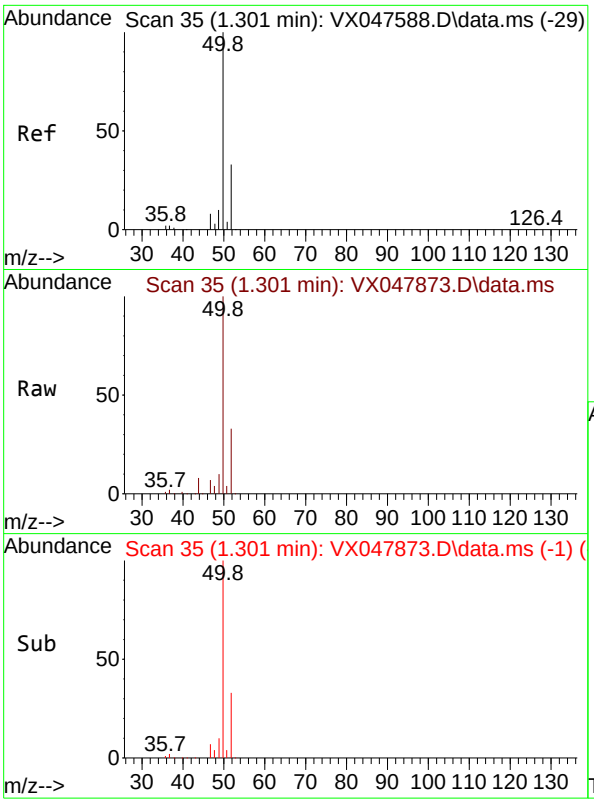


#2
Dichlorodifluoromethane
Concen: 20.690 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 85 Resp: 34085

Ion	Ratio	Lower	Upper
85	100		
87	33.1	15.8	47.3





#3
Chloromethane
Concen: 18.021 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

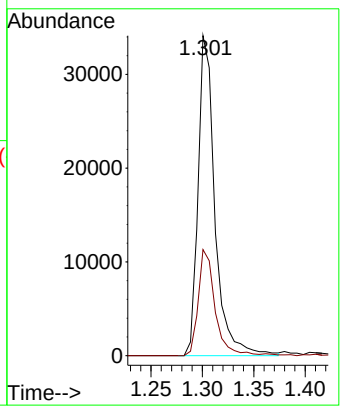
Tgt Ion: 50 Resp: 3901

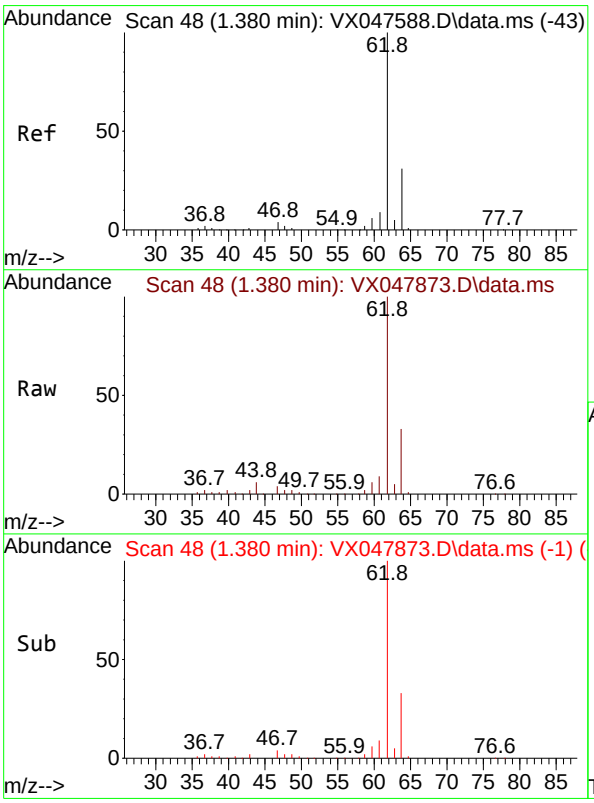
Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.1	39.1

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

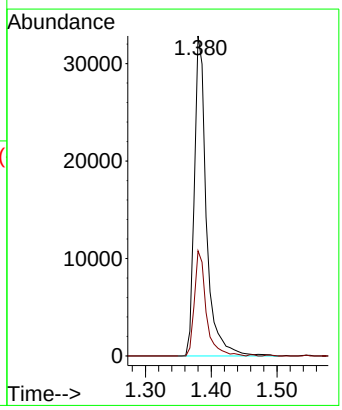


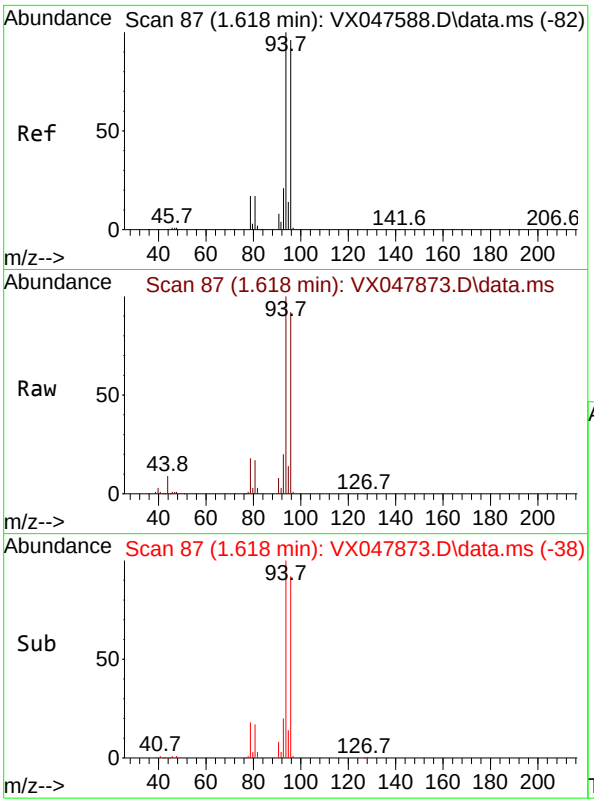


#4
Vinyl Chloride
Concen: 19.590 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 62 Resp: 41519

Ion	Ratio	Lower	Upper
62	100		
64	32.9	24.9	37.3





#5
Bromomethane
Concen: 21.236 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

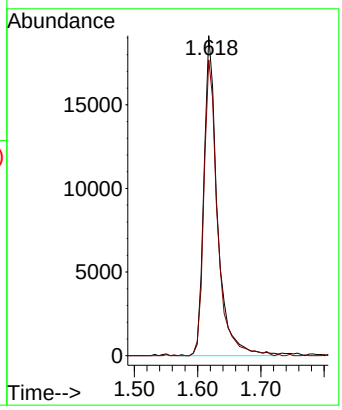
Tgt Ion: 94 Resp: 2854

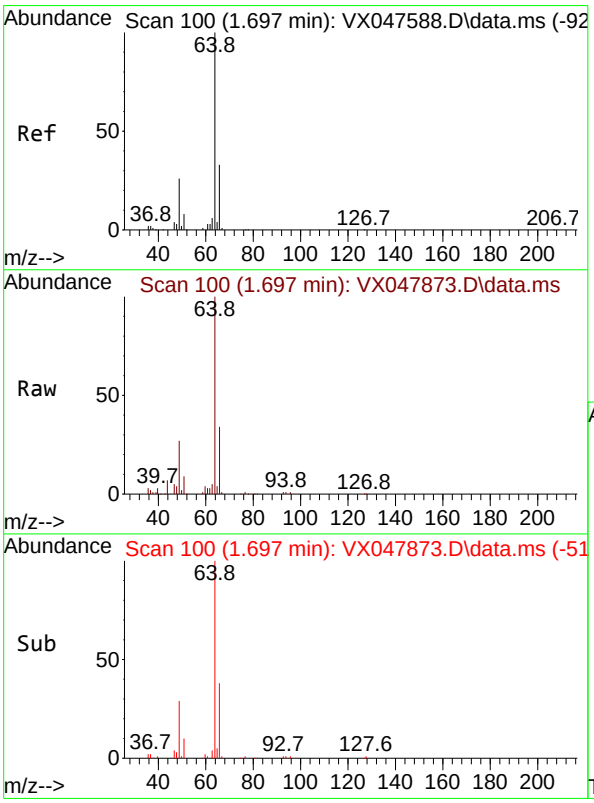
Ion	Ratio	Lower	Upper
94	100		
96	92.4	76.6	115.0

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

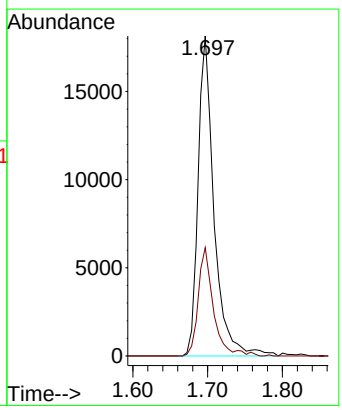


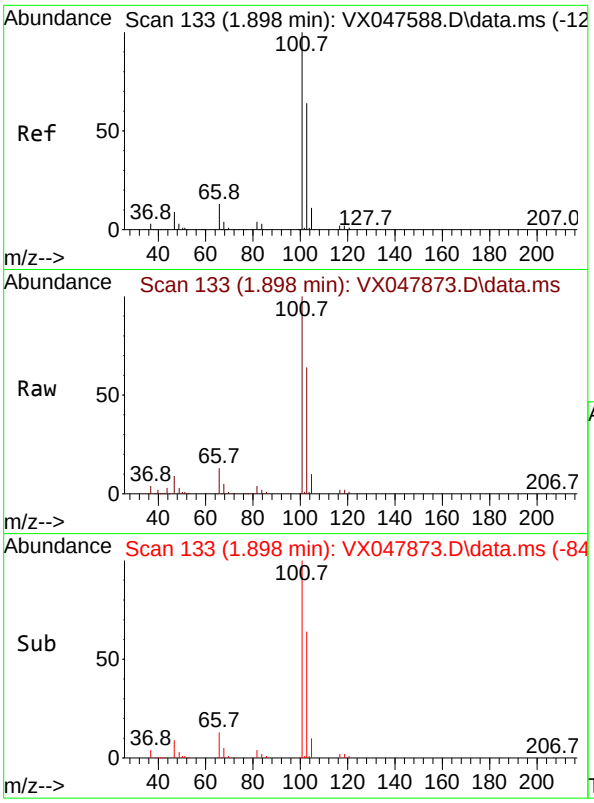


#6
Chloroethane
Concen: 18.908 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 64 Resp: 26784

Ion	Ratio	Lower	Upper
64	100		
66	33.8	26.1	39.1





#7
Trichlorofluoromethane
Concen: 19.595 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

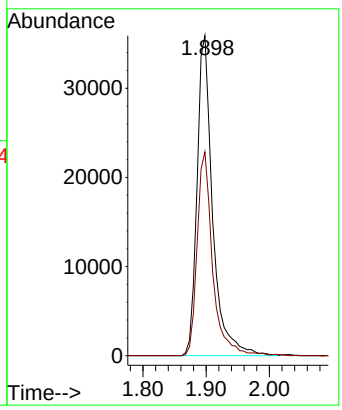
Tgt Ion:101 Resp: 6166

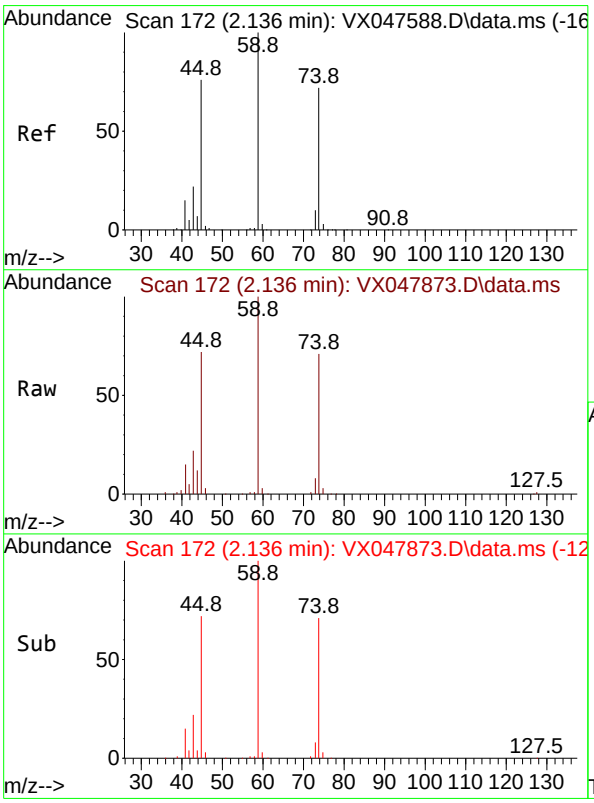
Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.4	77.2

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

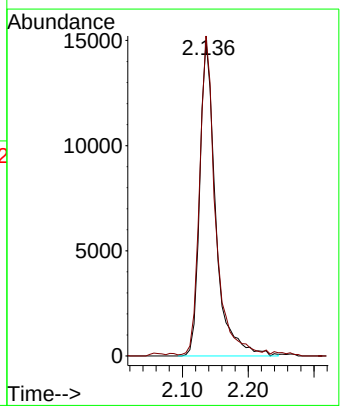


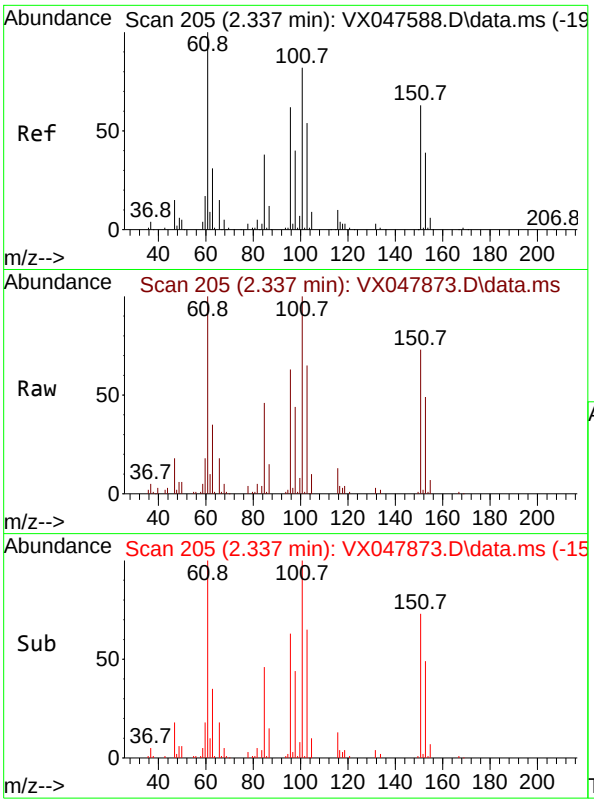


#8
Diethyl Ether
Concen: 19.616 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 74 Resp: 25252

Ion	Ratio	Lower	Upper
74	100		
45	100.6	52.3	156.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.925 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

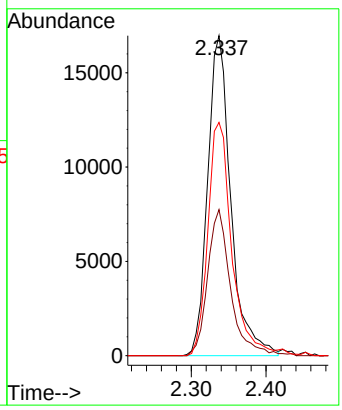
Tgt Ion:101 Resp: 3666

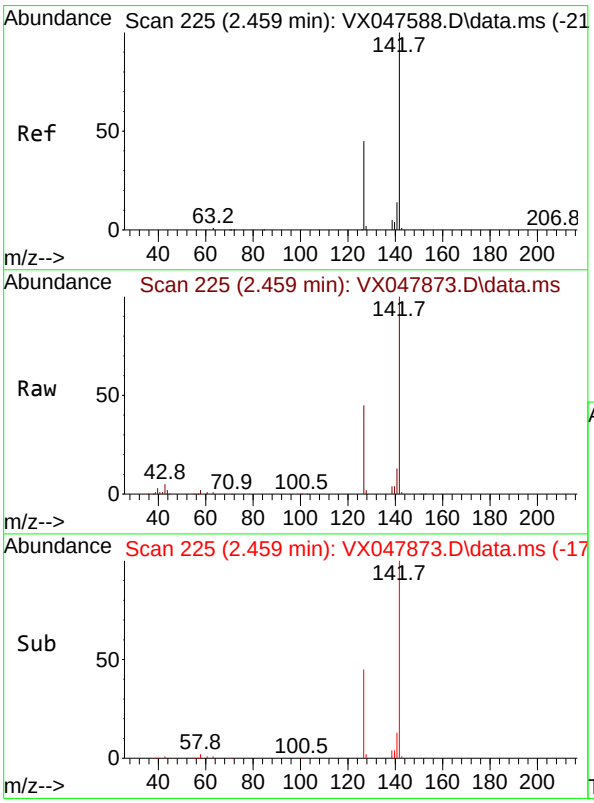
Ion	Ratio	Lower	Upper
101	100		
85	45.4	35.5	53.3
151	75.7	59.4	89.0

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

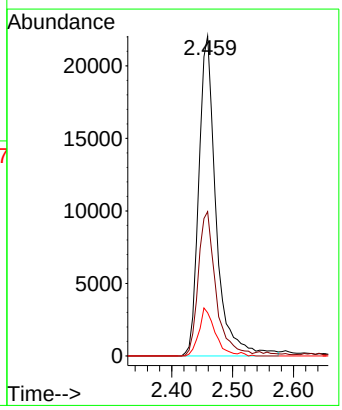


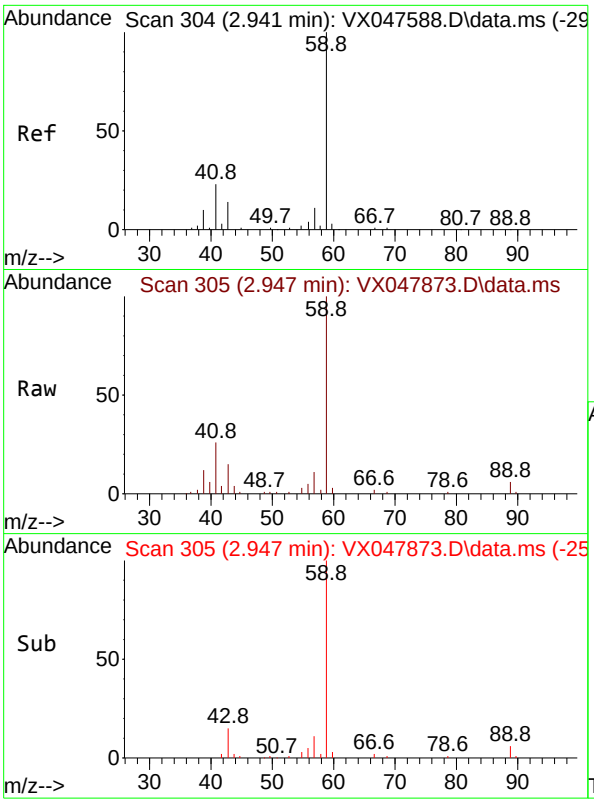


#10
Methyl Iodide
Concen: 15.112 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:142 Resp: 43370

Ion	Ratio	Lower	Upper
142	100		
127	46.0	37.2	55.8
141	14.3	11.4	17.0

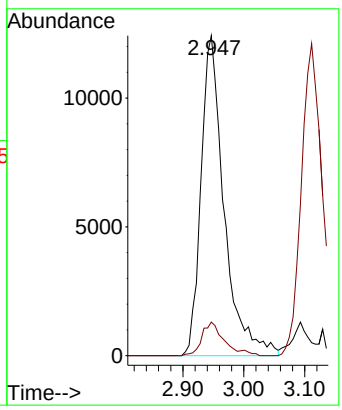




#11
Tert butyl alcohol
Concen: 115.773 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 59 Resp: 3265

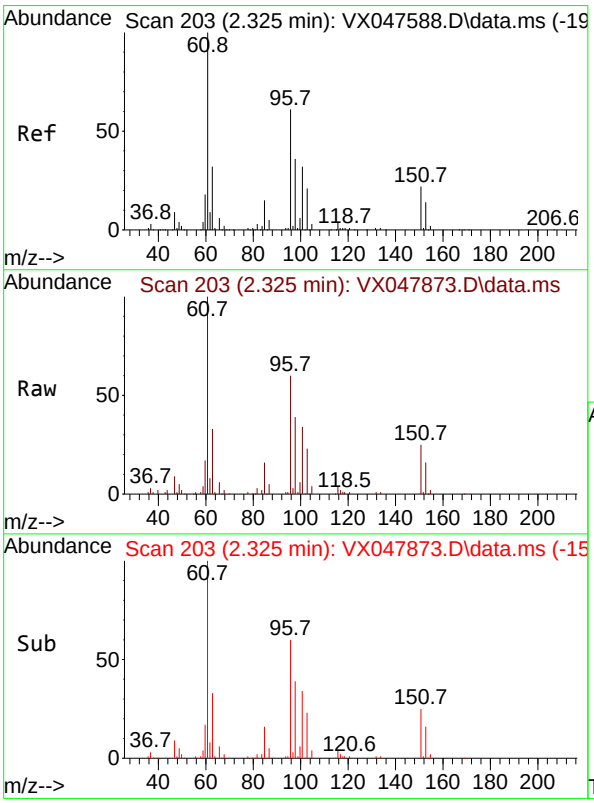
Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

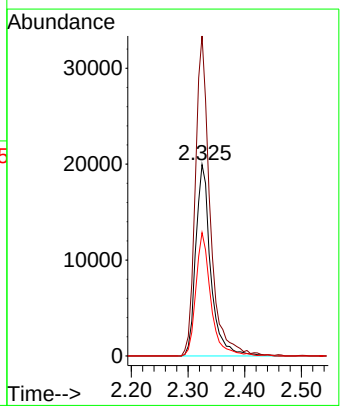
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

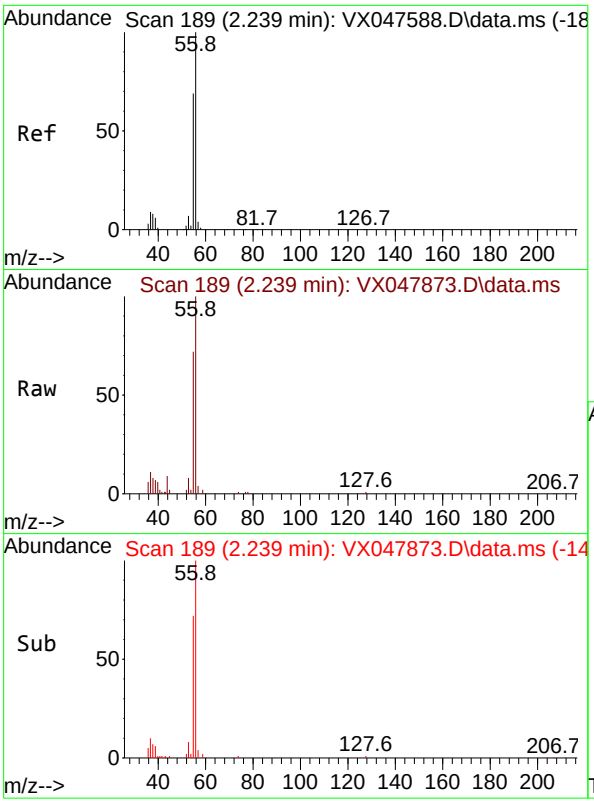


#12
1,1-Dichloroethene
Concen: 19.281 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 96 Resp: 36445

Ion	Ratio	Lower	Upper
96	100		
61	167.2	131.0	196.6
98	64.5	47.7	71.5





#13
Acrolein
Concen: 85.506 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

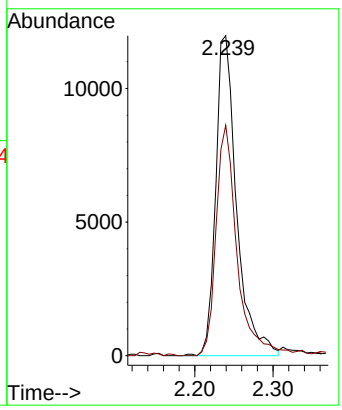
Tgt Ion: 56 Resp: 2222

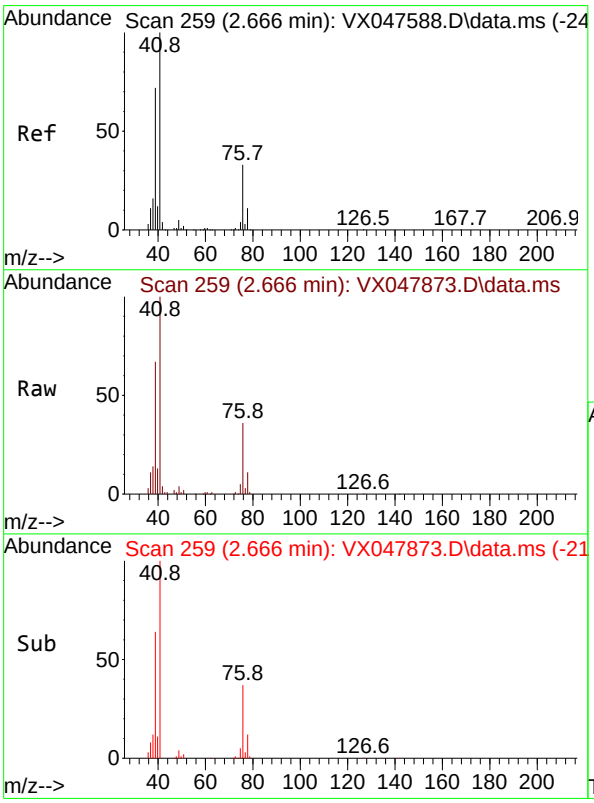
Ion	Ratio	Lower	Upper
56	100		
55	73.2	57.2	85.8

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

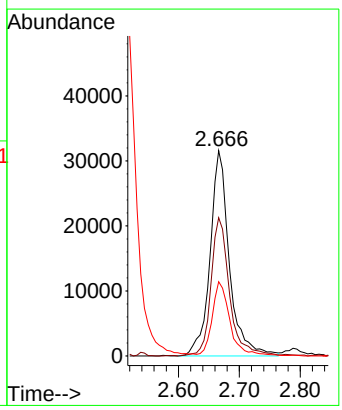


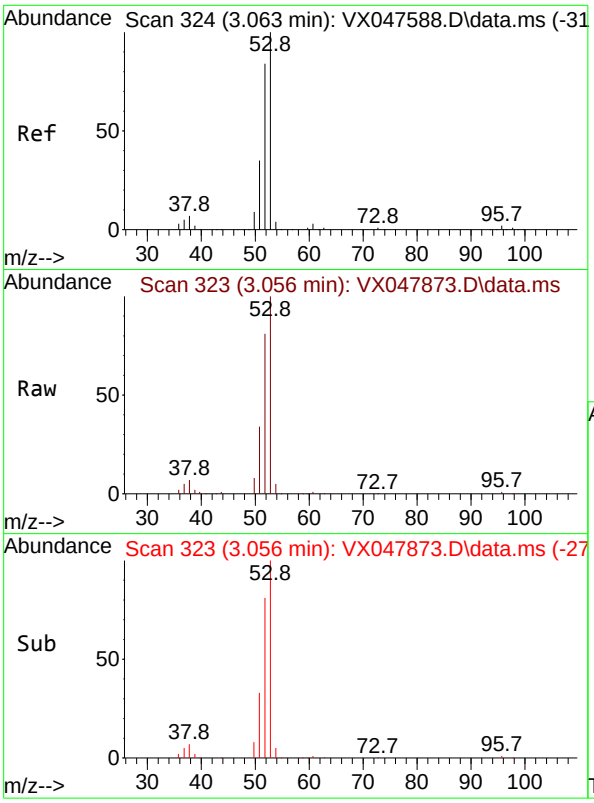


#14
Allyl chloride
Concen: 17.866 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 41 Resp: 69685

Ion	Ratio	Lower	Upper
41	100		
39	64.4	54.7	82.1
76	32.6	25.7	38.5





#15
Acrylonitrile
Concen: 113.014 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

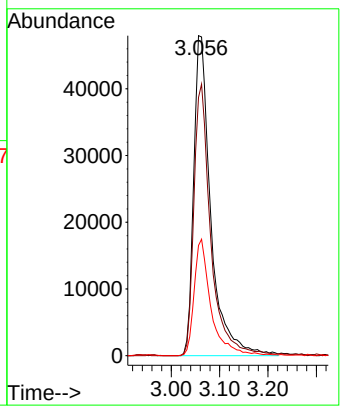
Tgt Ion: 53 Resp: 11806

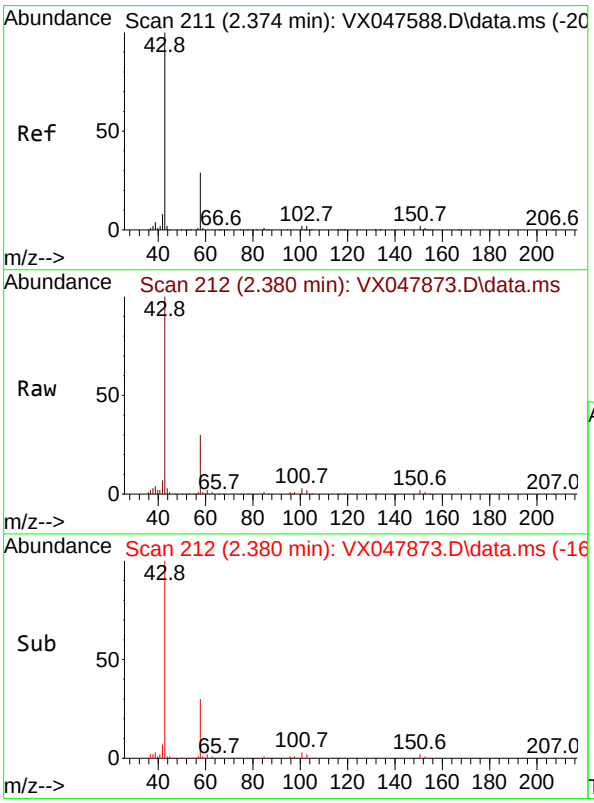
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.4	99.6
51	36.1	29.5	44.3

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

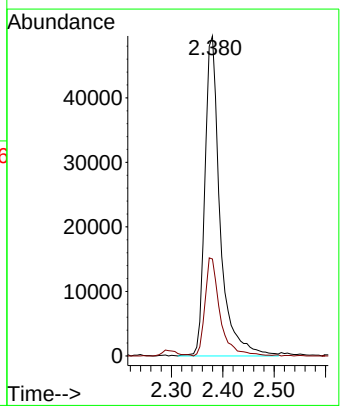


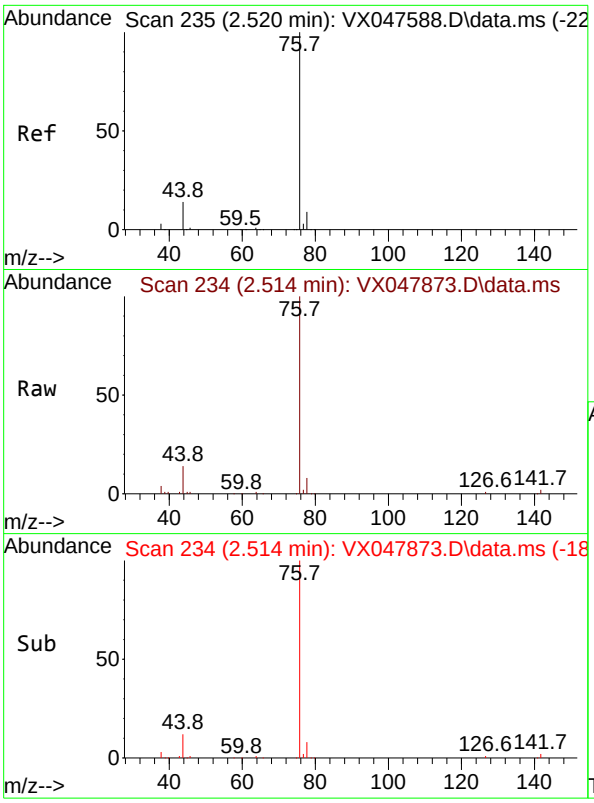


#16
Acetone
Concen: 92.460 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 43 Resp: 101804

Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.4	35.0





#17
Carbon Disulfide
Concen: 18.495 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

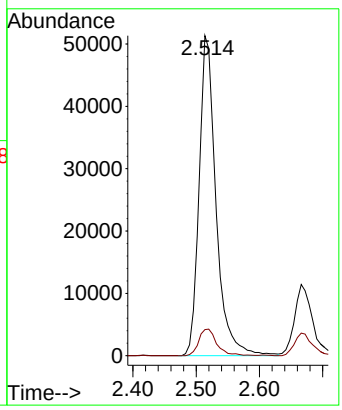
Tgt Ion: 76 Resp: 9570

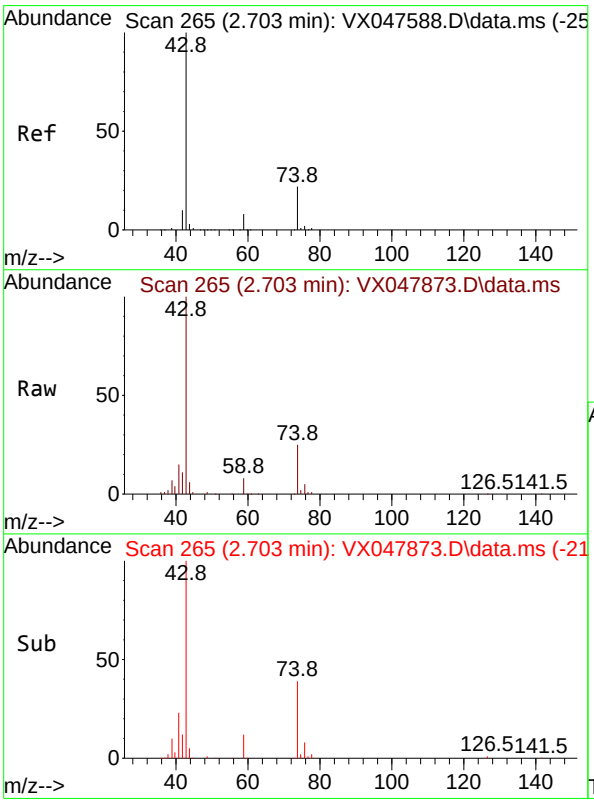
Ion	Ratio	Lower	Upper
76	100		
78	8.1	6.8	10.2

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

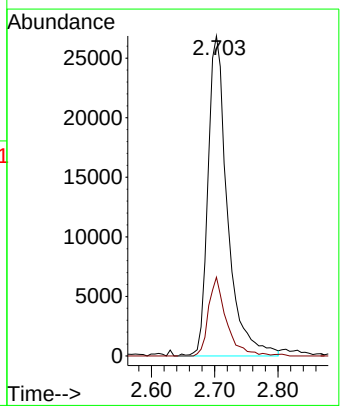


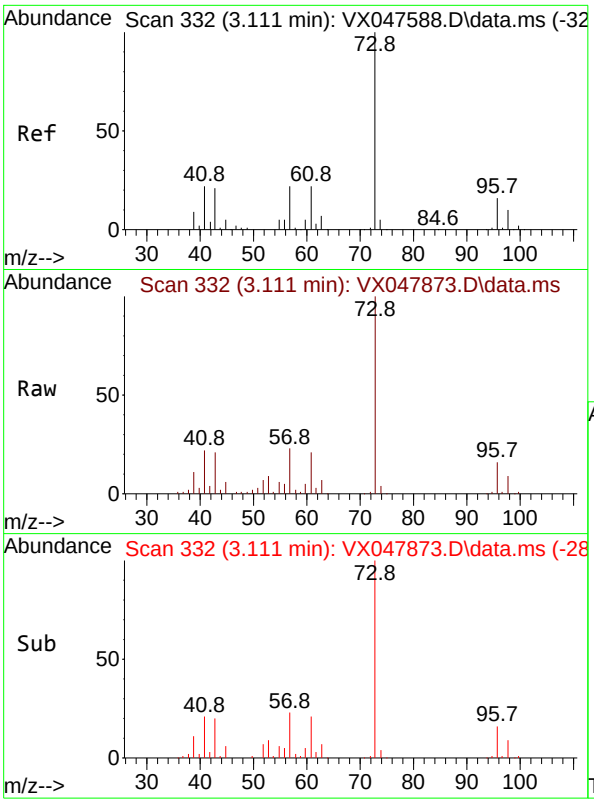


#18
Methyl Acetate
Concen: 23.476 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 43 Resp: 57525

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2





#19
Methyl tert-butyl Ether
Concen: 19.727 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

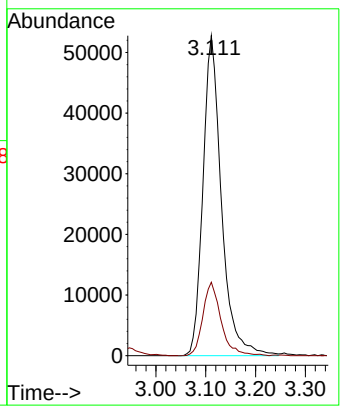
Tgt Ion: 73 Resp: 13611

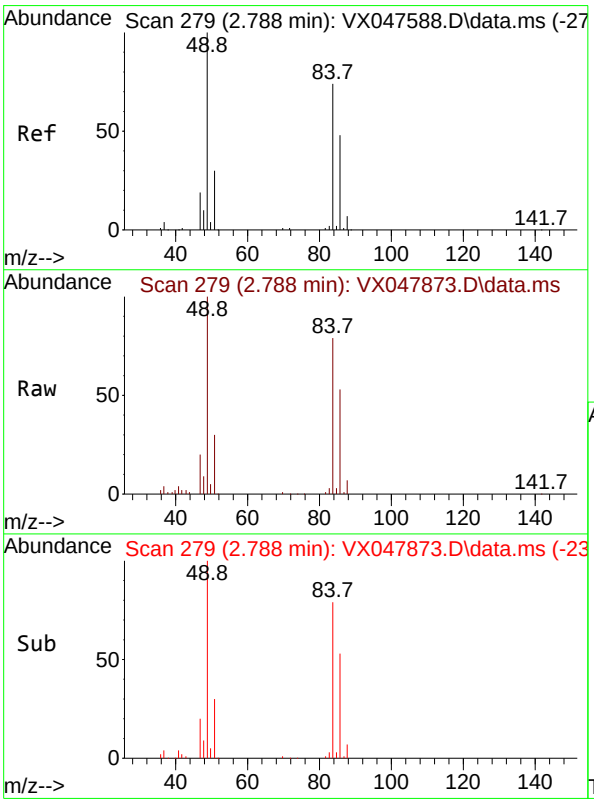
Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.4	26.2

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

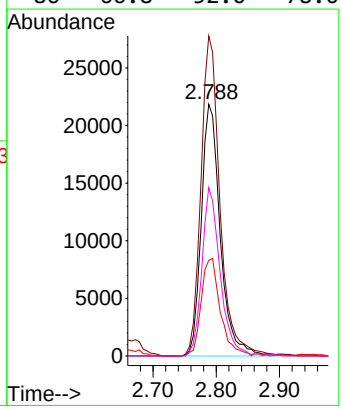


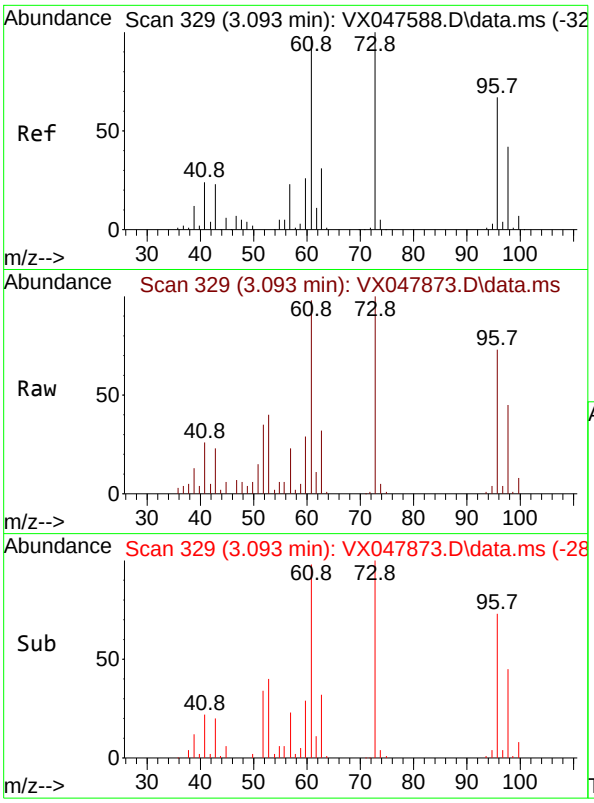


#20
Methylene Chloride
Concen: 19.596 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 84 Resp: 45672

Ion	Ratio	Lower	Upper
84	100		
49	127.0	108.6	162.8
51	38.0	32.6	48.8
86	66.8	52.0	78.0

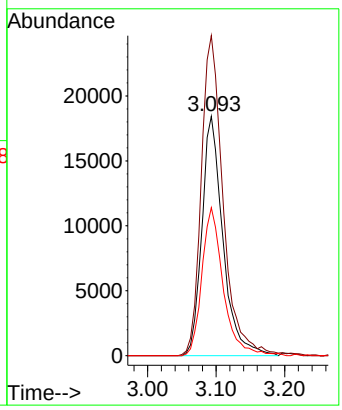




#21
trans-1,2-Dichloroethene
Concen: 19.359 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 96 Resp: 3939

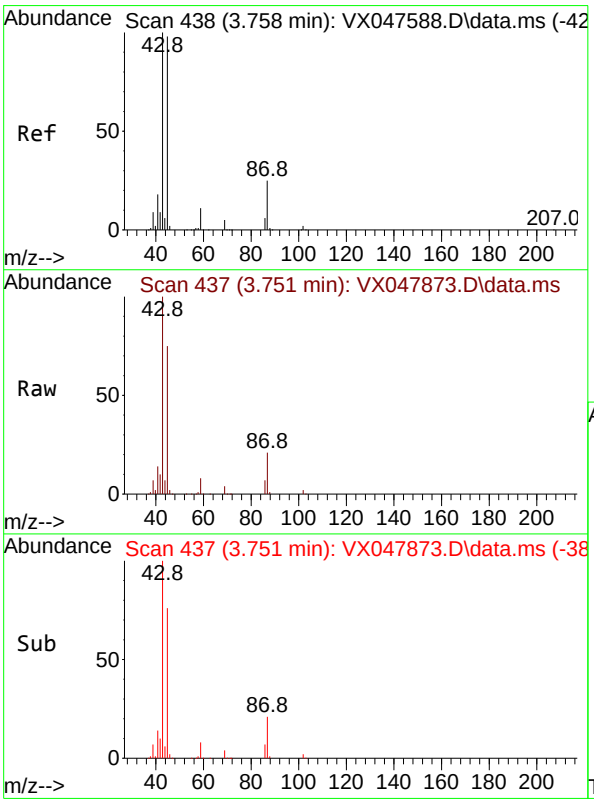
Ion	Ratio	Lower	Upper
96	100		
61	133.7	116.2	174.2
98	63.8	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

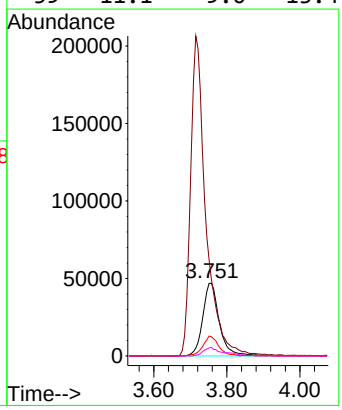
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

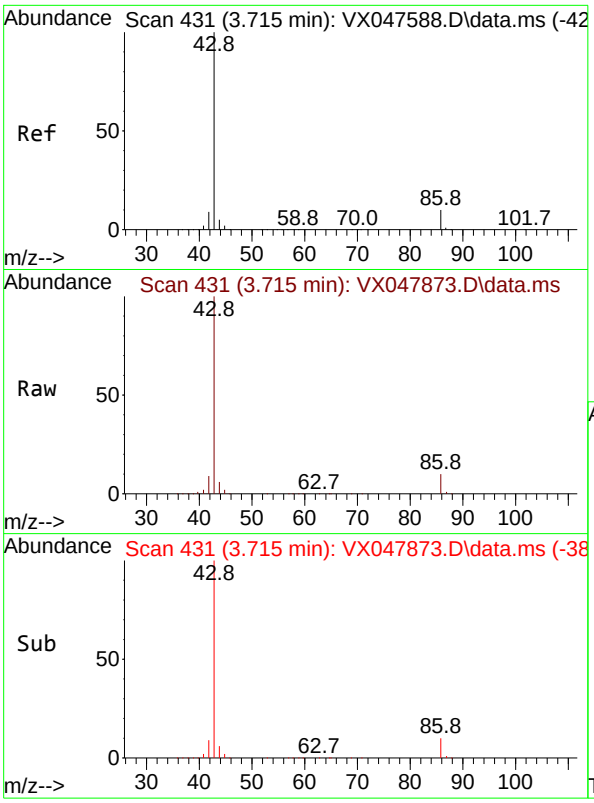


#22
Diisopropyl ether
Concen: 19.565 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 45 Resp: 147892

Ion	Ratio	Lower	Upper
45	100		
43	132.3	81.0	121.4#
87	27.3	20.3	30.5
59	11.1	9.0	13.4





#23
Vinyl Acetate
Concen: 99.657 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

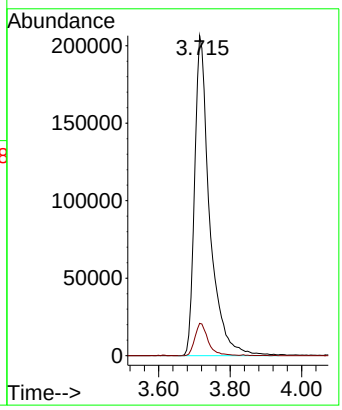
Tgt Ion: 43 Resp: 60291

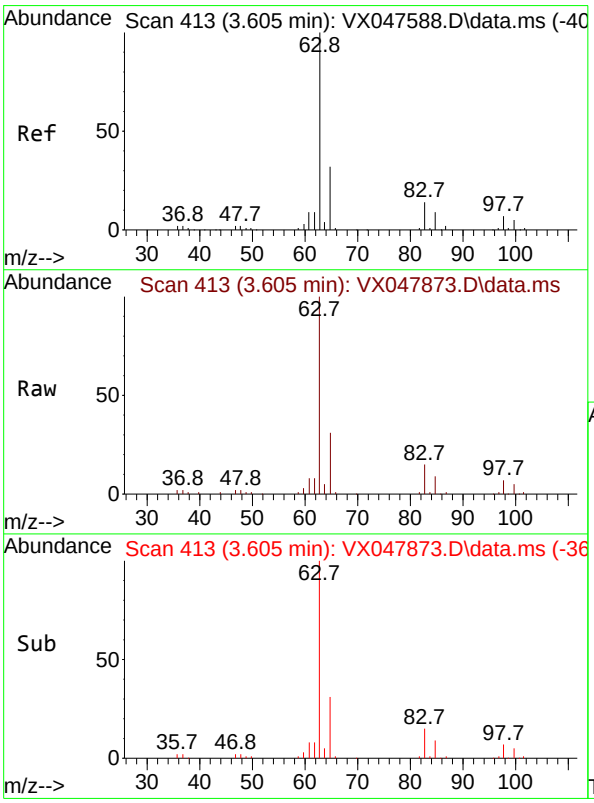
Ion	Ratio	Lower	Upper
43	100		
86	10.1	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

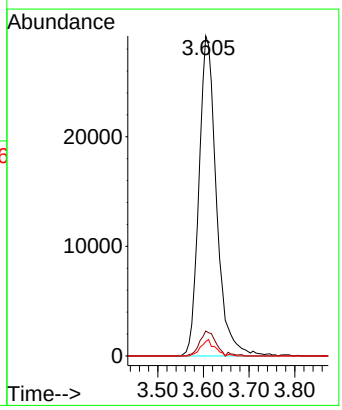


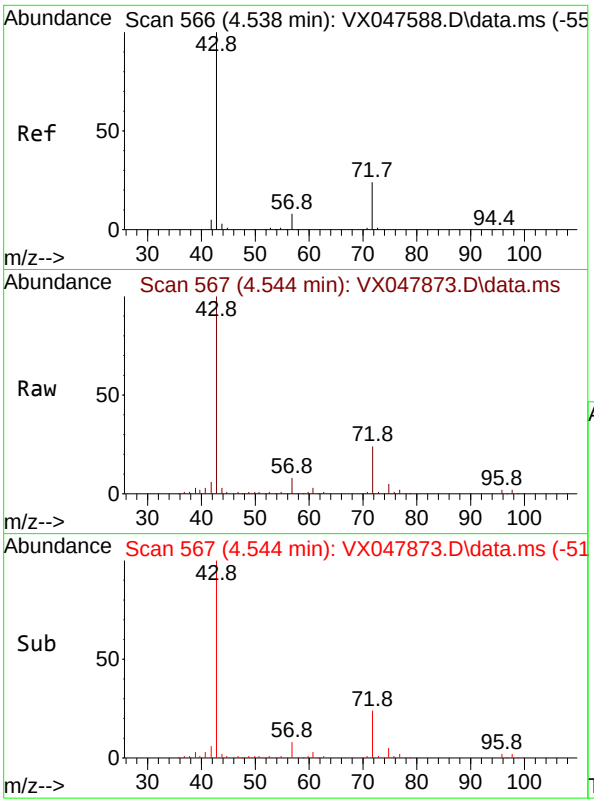


#24
1,1-Dichloroethane
Concen: 19.312 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 63 Resp: 77590

Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.8	11.2
100	4.7	2.3	6.9





#25
2-Butanone
Concen: 109.158 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

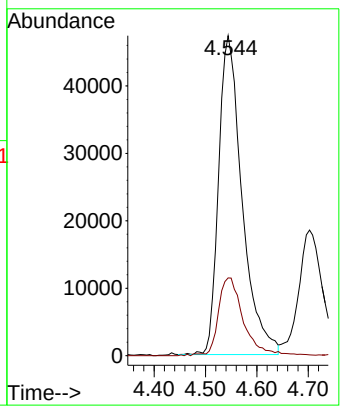
Tgt Ion: 43 Resp: 14992

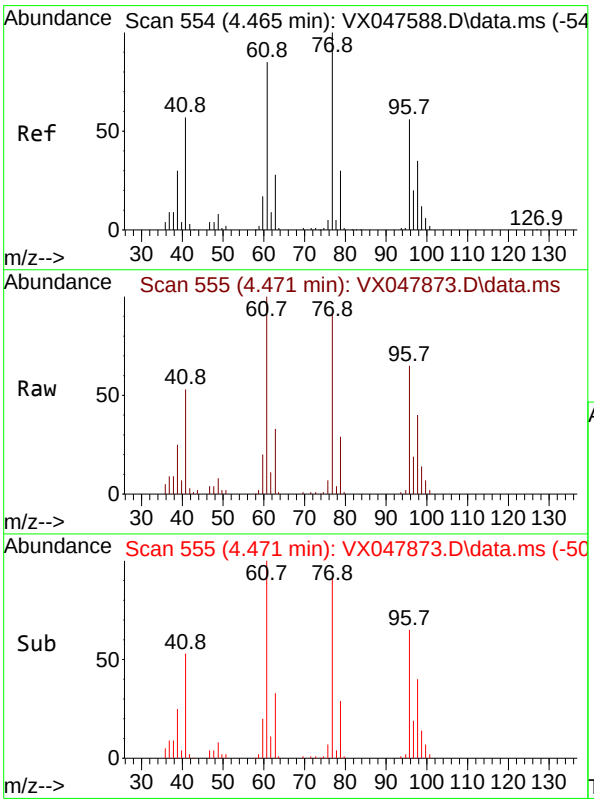
Ion	Ratio	Lower	Upper
43	100		
72	24.3	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

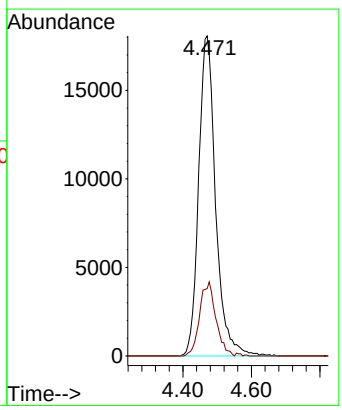


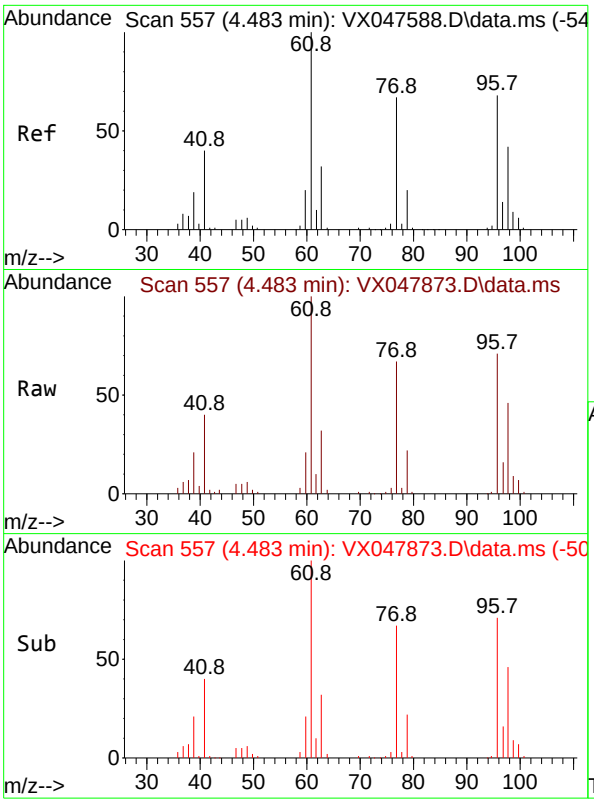


#26
2,2-Dichloropropane
Concen: 18.656 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 77 Resp: 62308

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.9	32.7

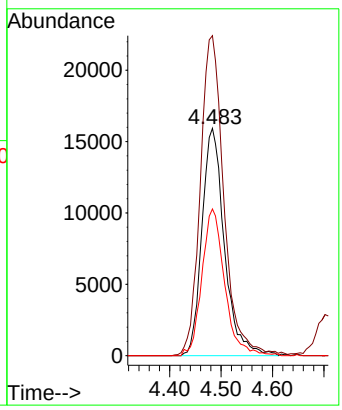




#27
cis-1,2-Dichloroethene
Concen: 19.419 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 96 Resp: 4839

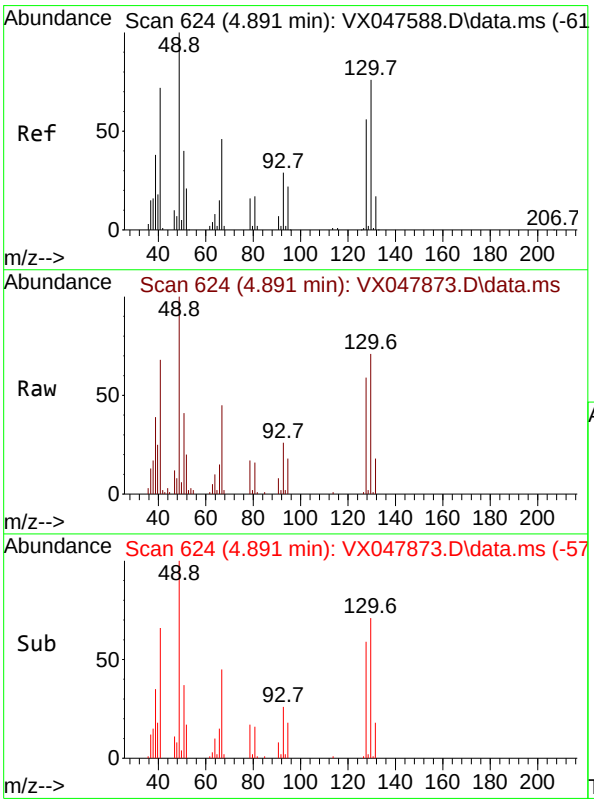
Ion	Ratio	Lower	Upper
96	100		
61	147.7	0.0	303.2
98	65.3	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

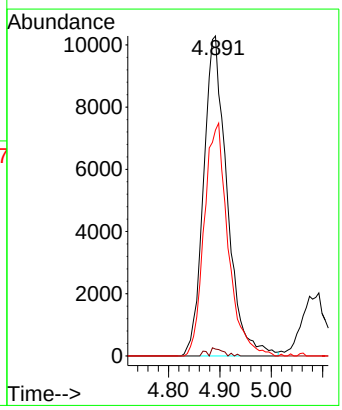
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

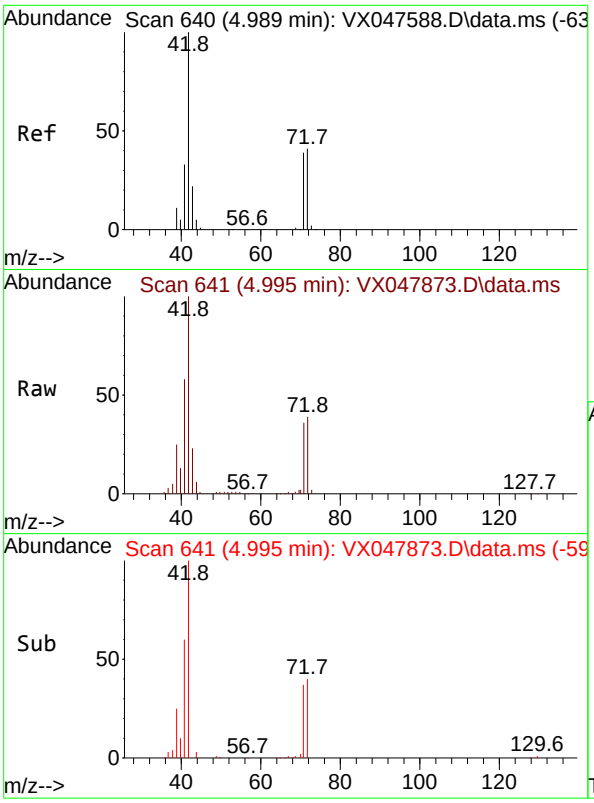


#28
Bromochloromethane
Concen: 18.683 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 49 Resp: 32770

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.2
130	73.6	57.8	86.8





#29
Tetrahydrofuran
Concen: 110.118 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

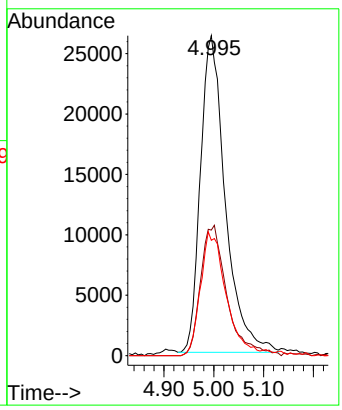
Tgt Ion: 42 Resp: 9098

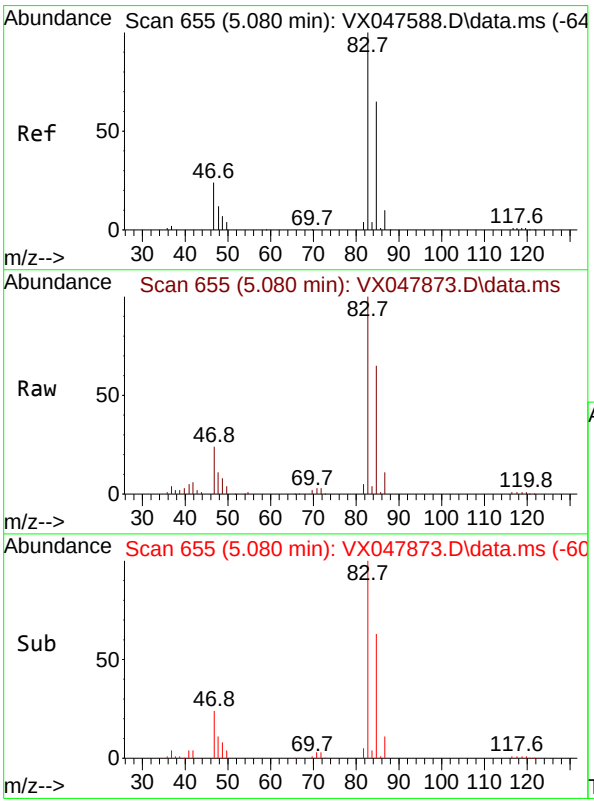
Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.2	51.2
71	39.9	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

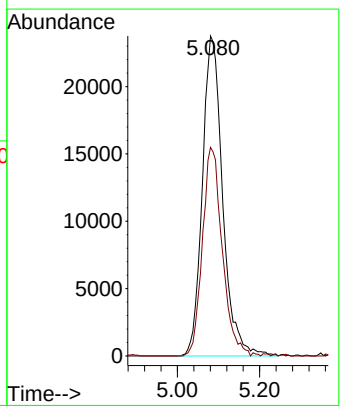


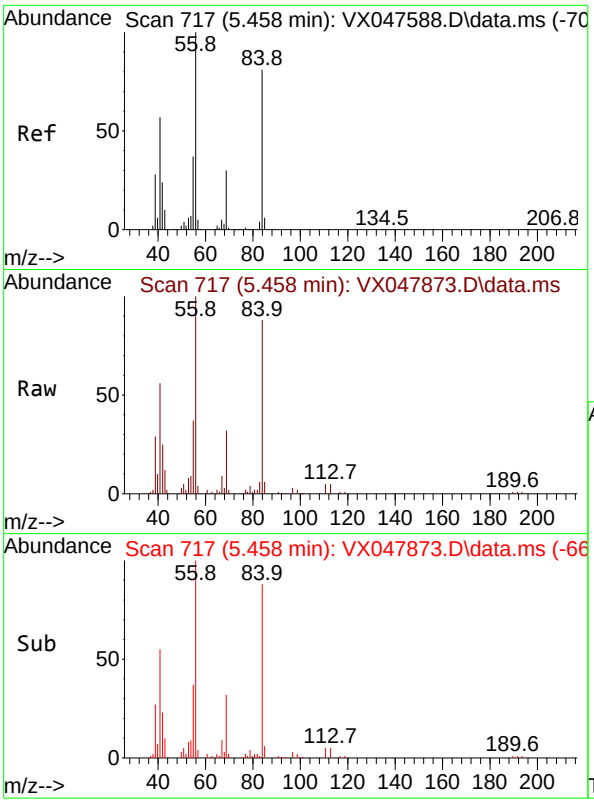


#30
Chloroform
Concen: 20.031 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 83 Resp: 81327

Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.6





#31
Cyclohexane
Concen: 18.380 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

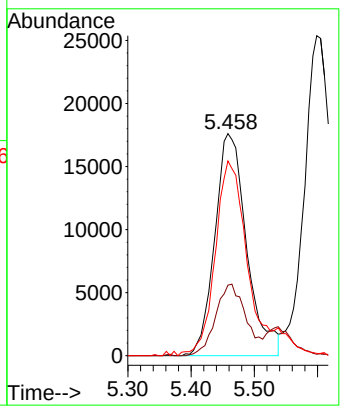
Tgt Ion: 56 Resp: 6150

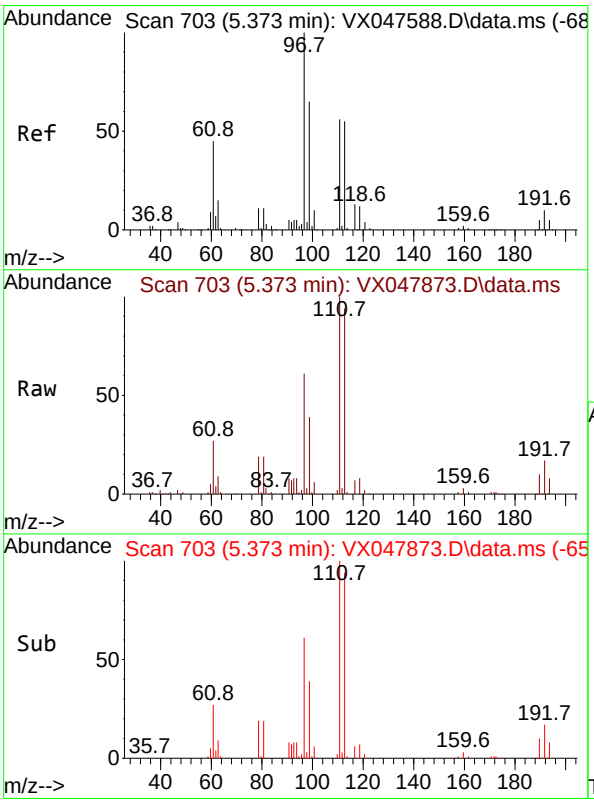
Ion	Ratio	Lower	Upper
56	100		
69	30.9	23.8	35.8
84	87.7	64.6	97.0

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

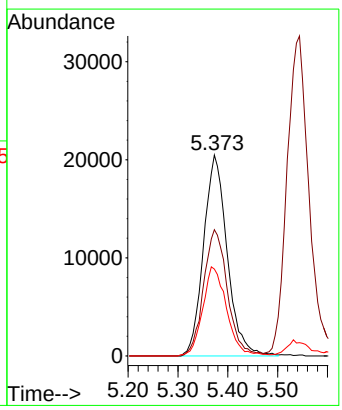


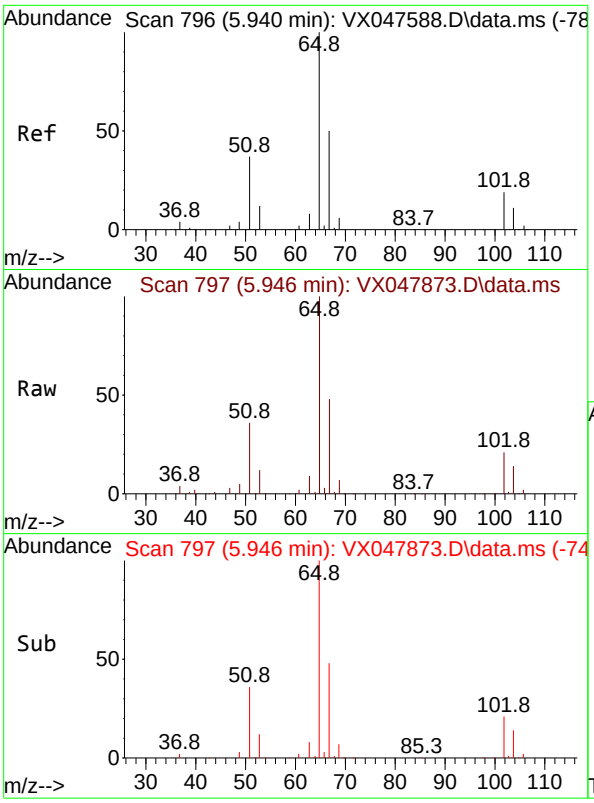


#32
1,1,1-Trichloroethane
Concen: 19.585 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 97 Resp: 67446

Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.6	76.0
61	44.9	35.8	53.8

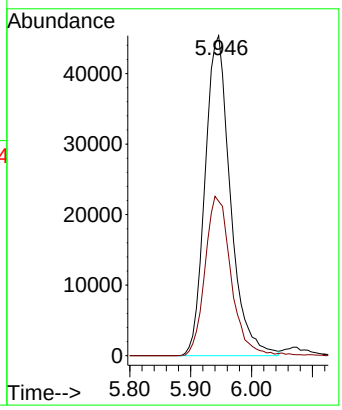




#33
1,2-Dichloroethane-d4
Concen: 51.724 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 65 Resp: 13098

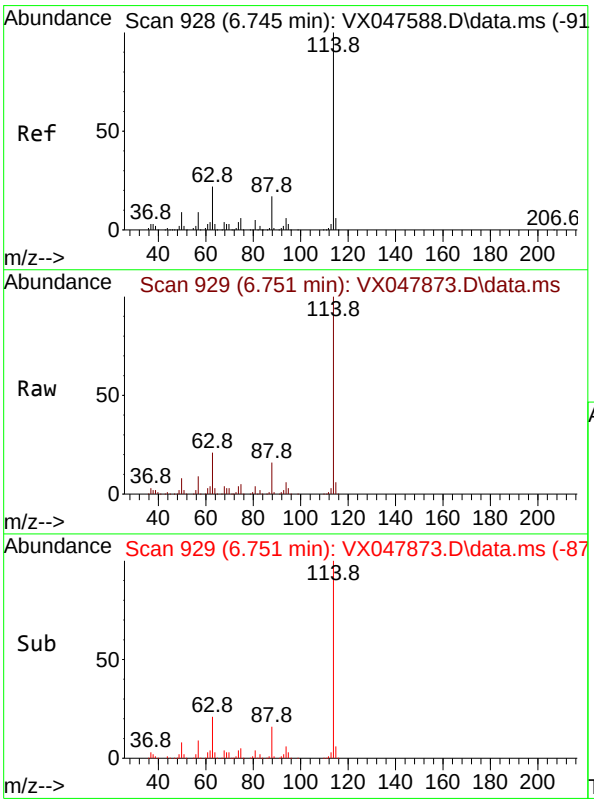
Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

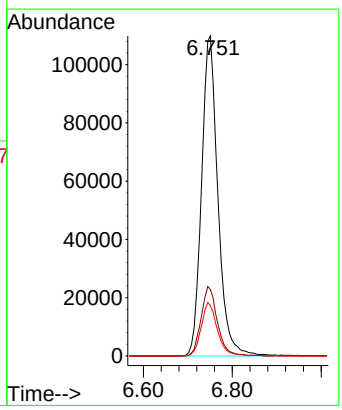
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

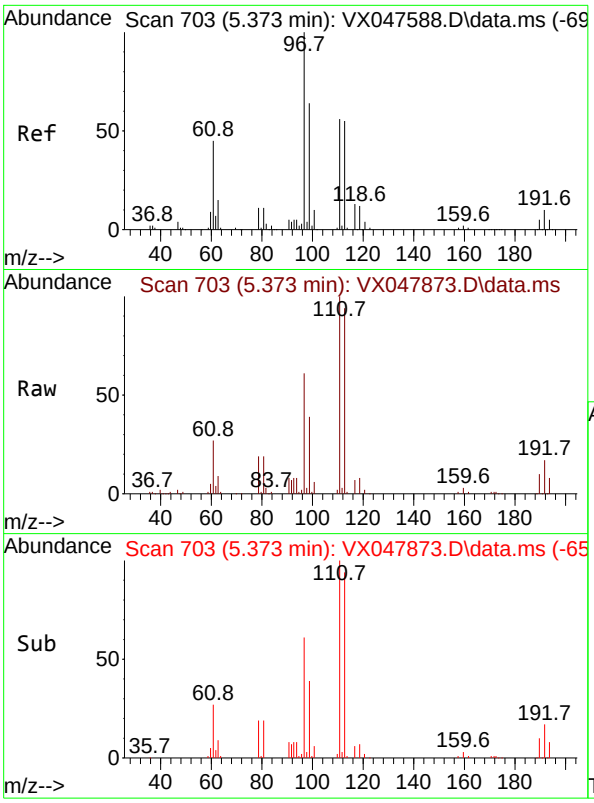


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:114 Resp: 281426

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	44.0
88	15.8	0.0	34.2

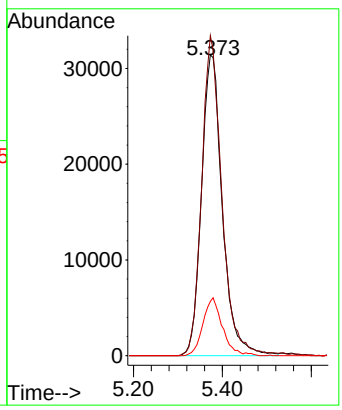




#35
Dibromofluoromethane
Concen: 54.340 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:113 Resp: 10256

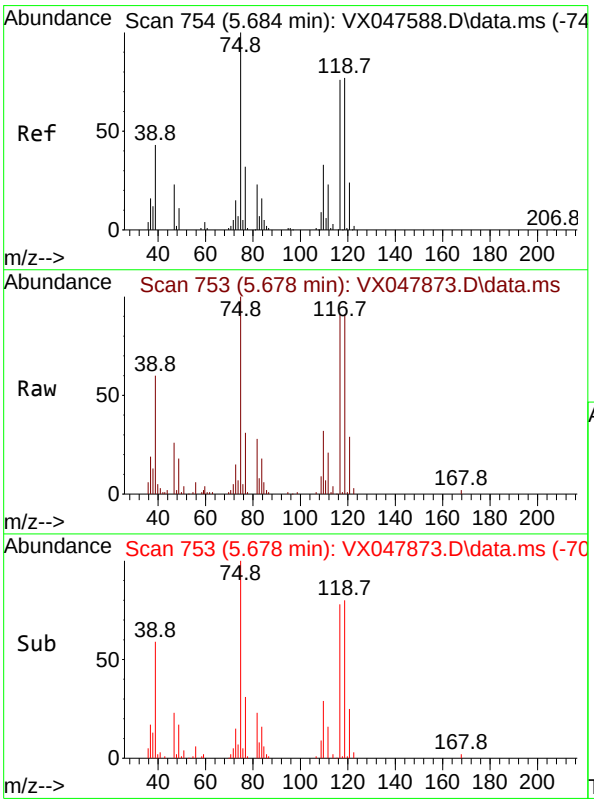
Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.9	121.3
192	18.0	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

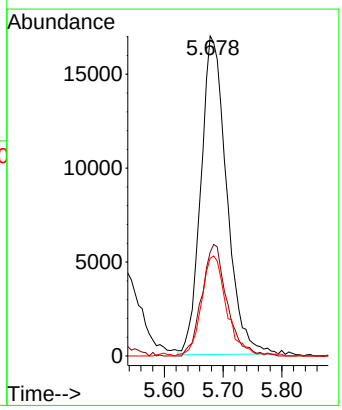
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

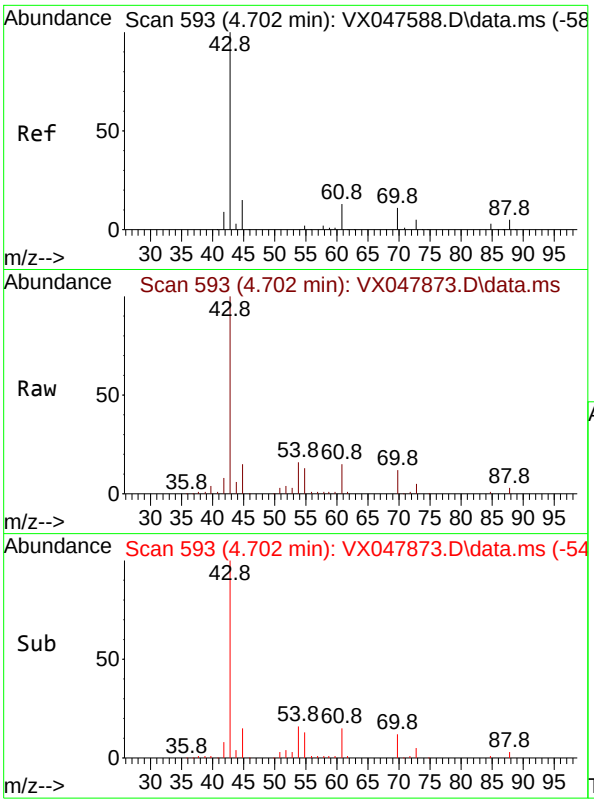


#36
1,1-Dichloropropene
Concen: 18.719 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 75 Resp: 51627

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.7	50.1
77	30.5	24.3	36.5





#37
Ethyl Acetate
Concen: 21.260 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

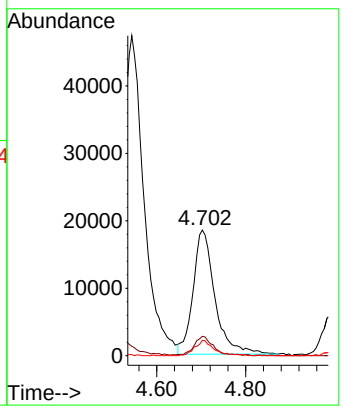
Tgt Ion: 43 Resp: 6278

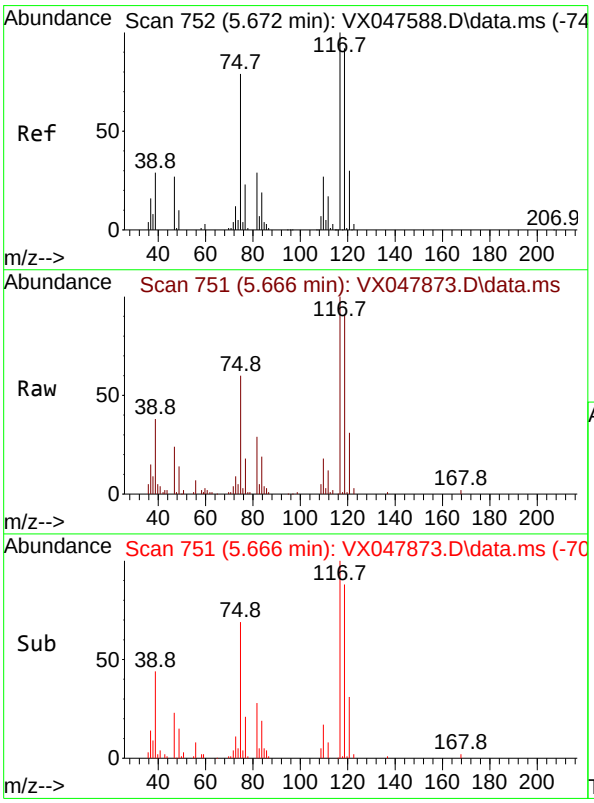
Ion	Ratio	Lower	Upper
43	100		
61	12.7	9.8	14.8
70	10.7	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

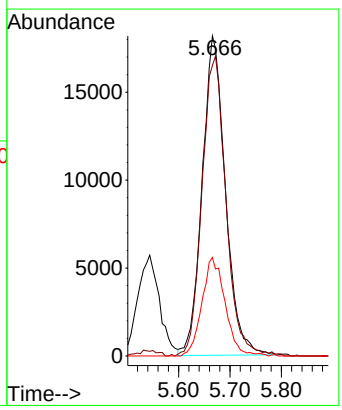


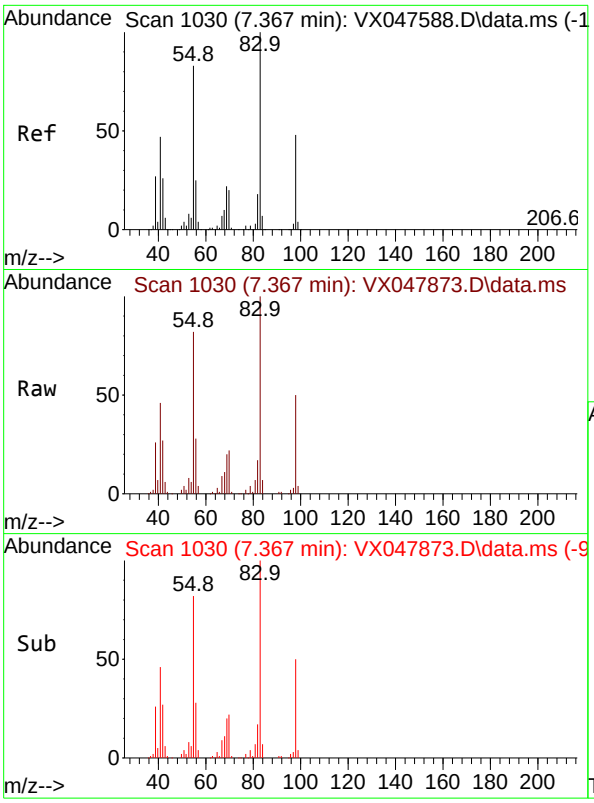


#38
Carbon Tetrachloride
Concen: 19.095 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:117 Resp: 57219

Ion	Ratio	Lower	Upper
117	100		
119	90.5	73.4	110.2
121	30.9	23.8	35.6





#39
Methylcyclohexane
Concen: 18.725 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

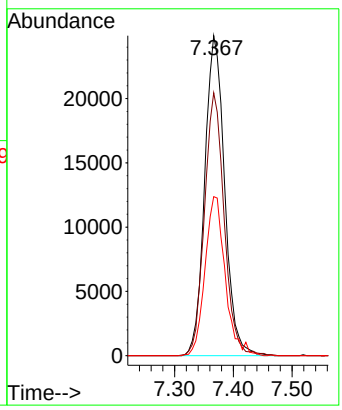
Tgt Ion: 83 Resp: 5862

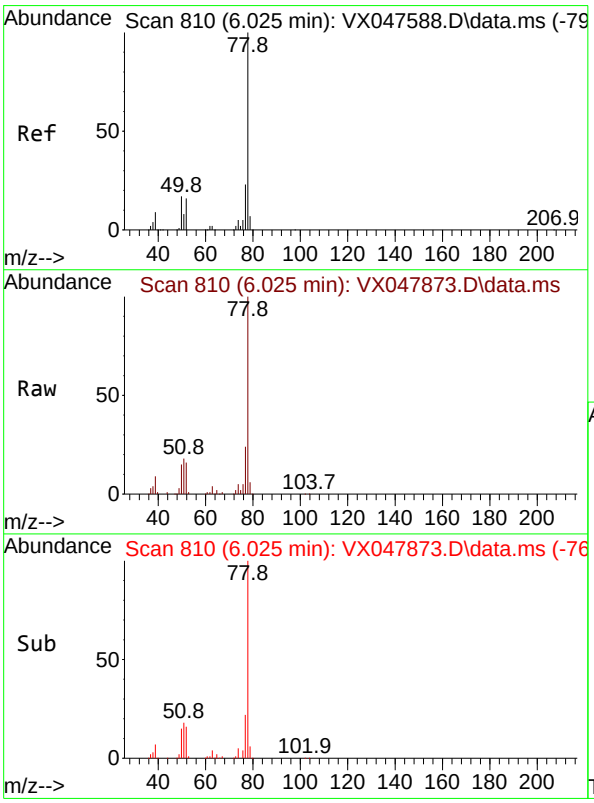
Ion	Ratio	Lower	Upper
83	100		
55	82.1	66.4	99.6
98	49.7	38.1	57.1

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

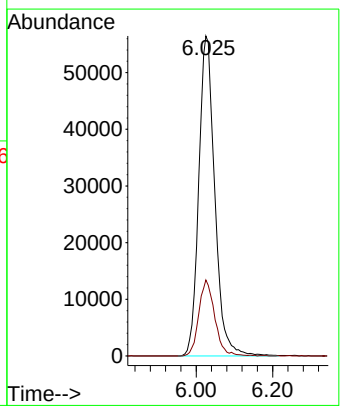


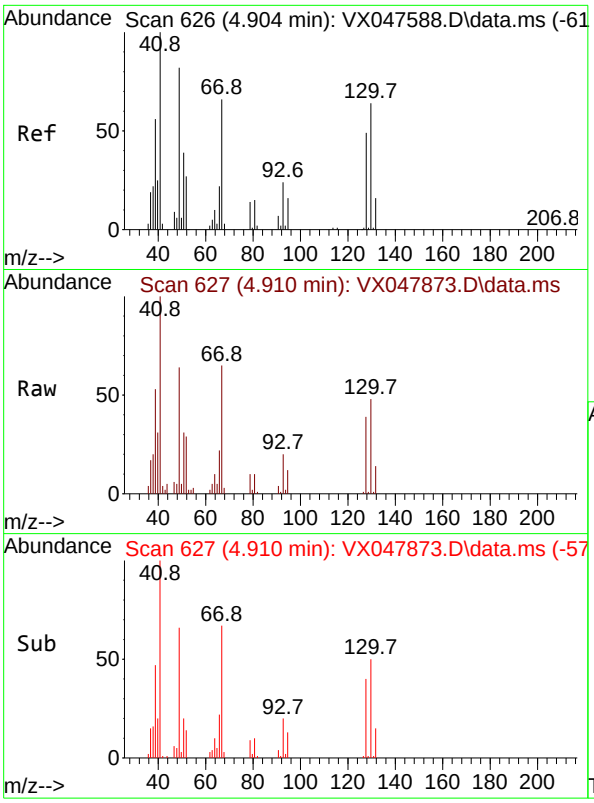


#40
Benzene
Concen: 19.606 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 78 Resp: 164227

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2

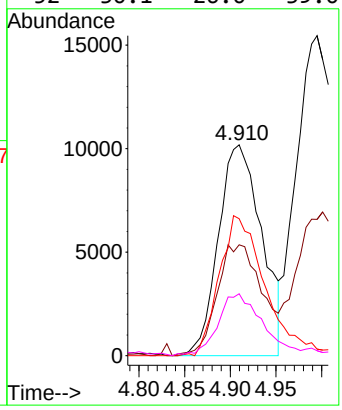




#41
Methacrylonitrile
Concen: 22.027 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 41 Resp: 3358

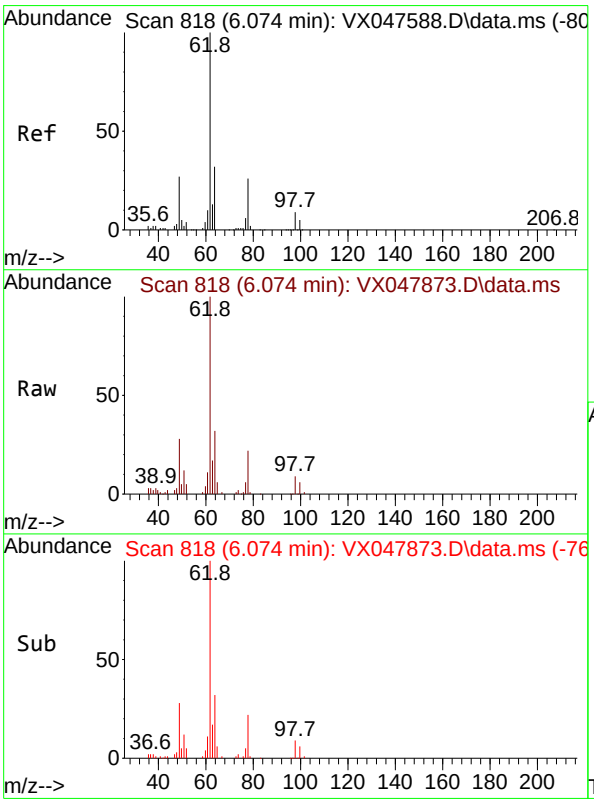
Ion	Ratio	Lower	Upper
41	100		
39	54.4	43.3	64.9
67	71.9	58.6	87.8
52	30.1	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

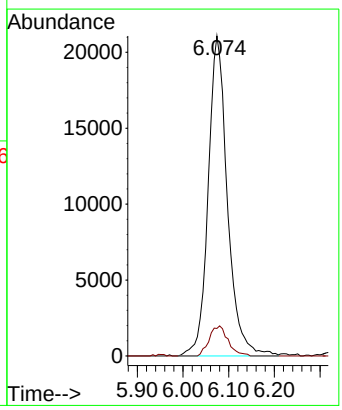
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

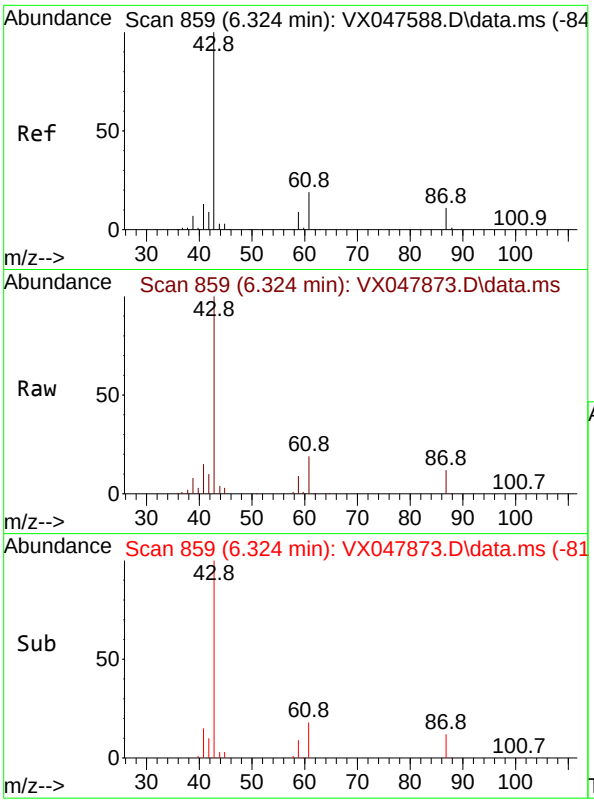


#42
1,2-Dichloroethane
Concen: 19.351 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 62 Resp: 61675

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.0





#43
Isopropyl Acetate
Concen: 20.713 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

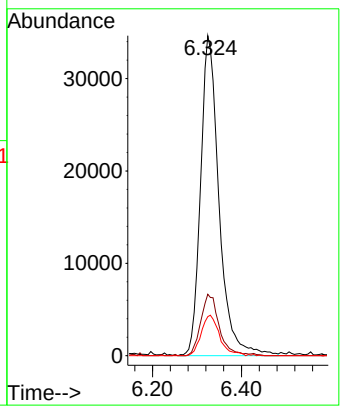
Tgt Ion: 43 Resp: 10031

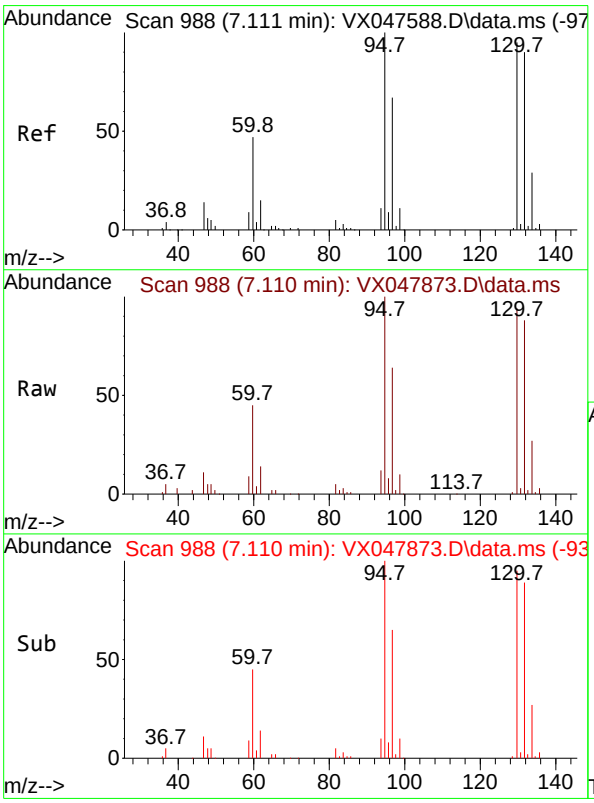
Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.2	22.8
87	12.6	9.6	14.4

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

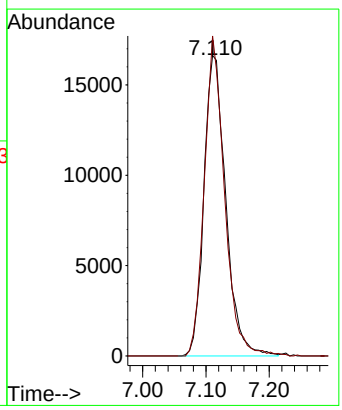


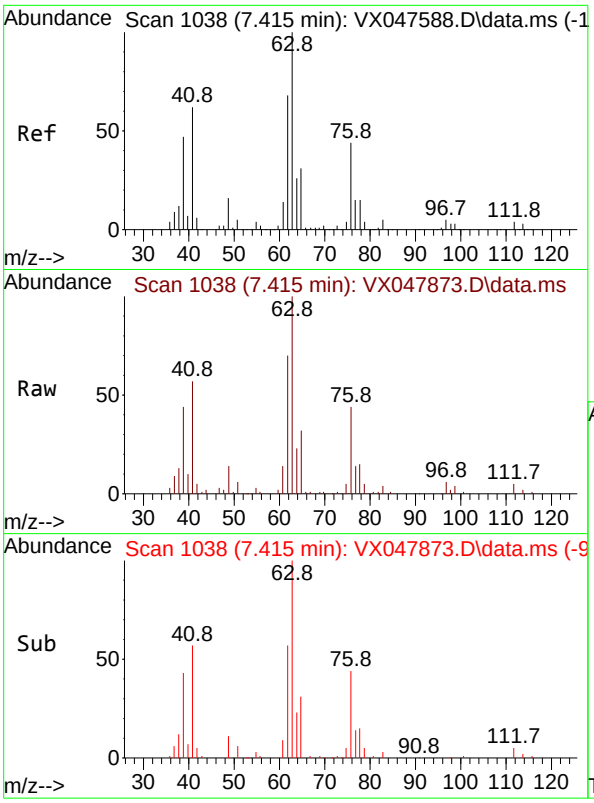


#44
Trichloroethene
Concen: 19.734 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:130 Resp: 39965

Ion	Ratio	Lower	Upper
130	100		
95	106.4	0.0	210.8





#45
1,2-Dichloropropane
Concen: 19.818 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

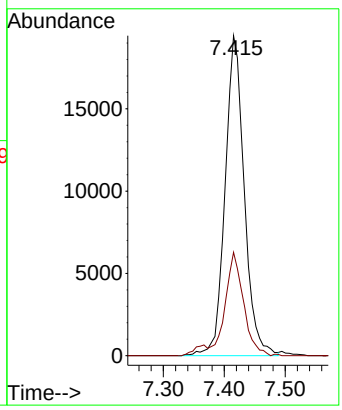
Tgt Ion: 63 Resp: 4250

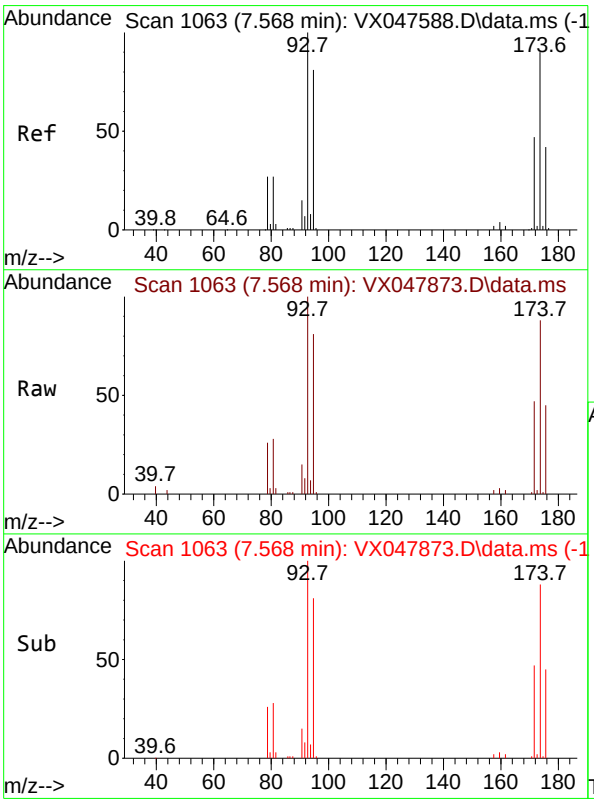
Ion	Ratio	Lower	Upper
63	100		
65	32.3	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

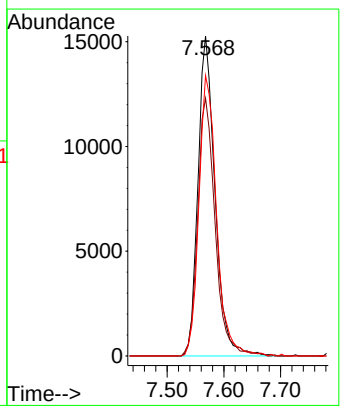


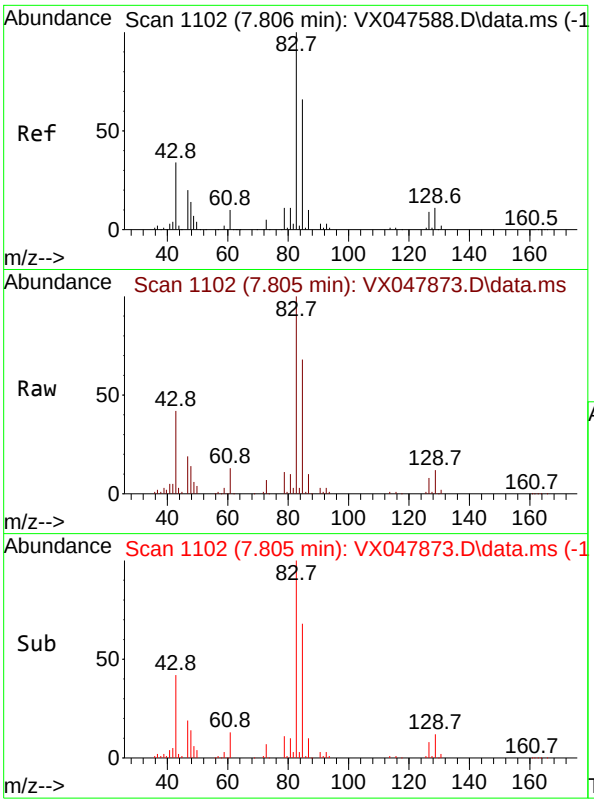


#46
Dibromomethane
Concen: 20.374 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 93 Resp: 31801

Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.0	97.6
174	91.0	71.6	107.4

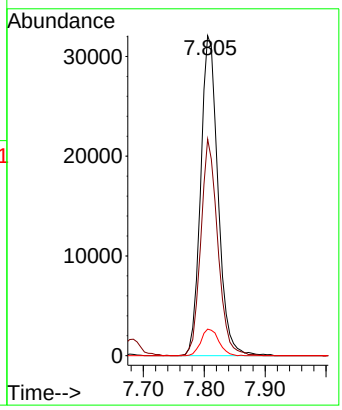




#47
Bromodichloromethane
Concen: 19.730 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 83 Resp: 6355

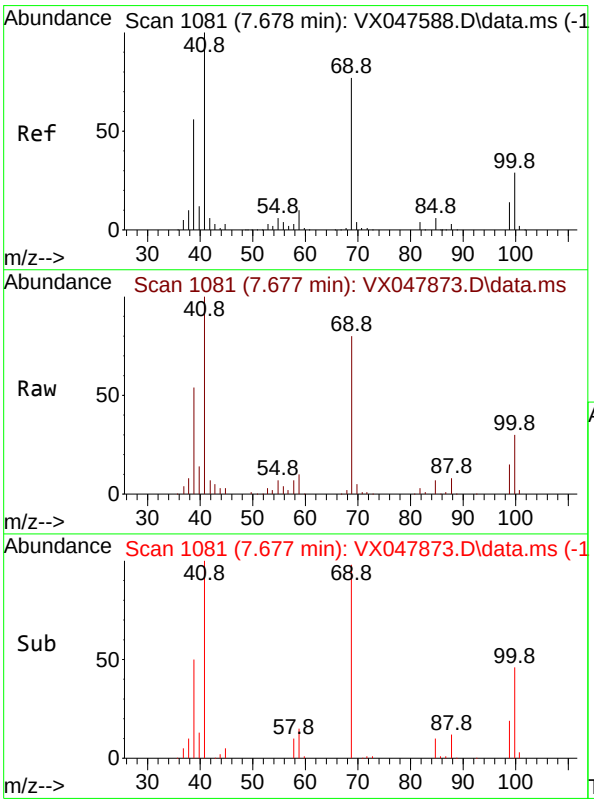
Ion	Ratio	Lower	Upper
83	100		
85	67.7	52.5	78.7
127	8.3	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

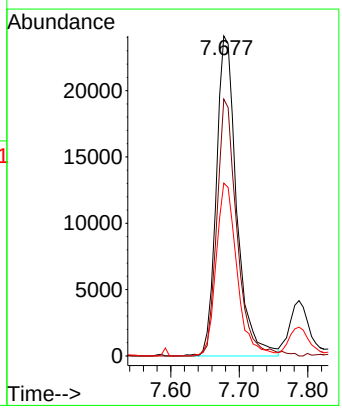
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

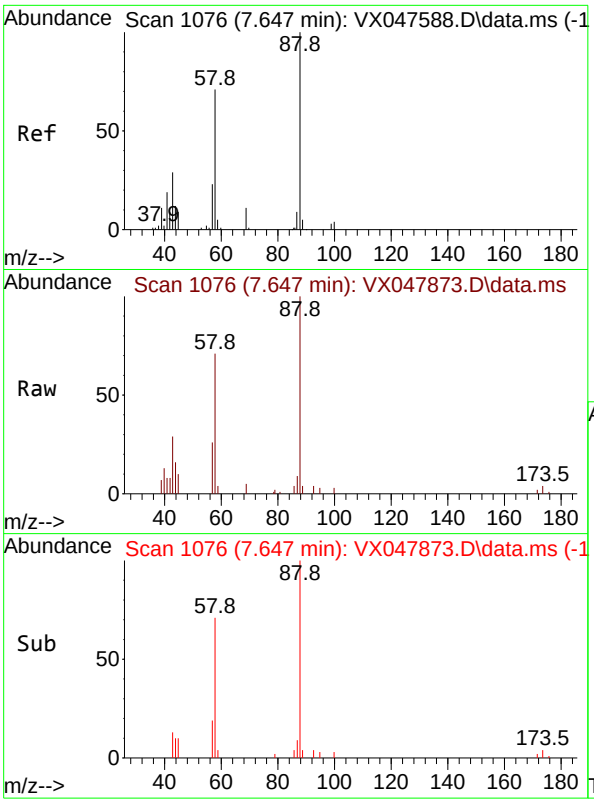


#48
Methyl methacrylate
Concen: 20.578 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 41 Resp: 49641

Ion	Ratio	Lower	Upper
41	100		
69	78.7	61.4	92.2
39	55.2	45.8	68.6





#49
1,4-Dioxane
Concen: 544.144 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

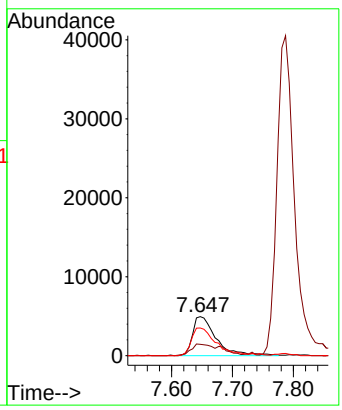
Tgt Ion: 88 Resp: 1326

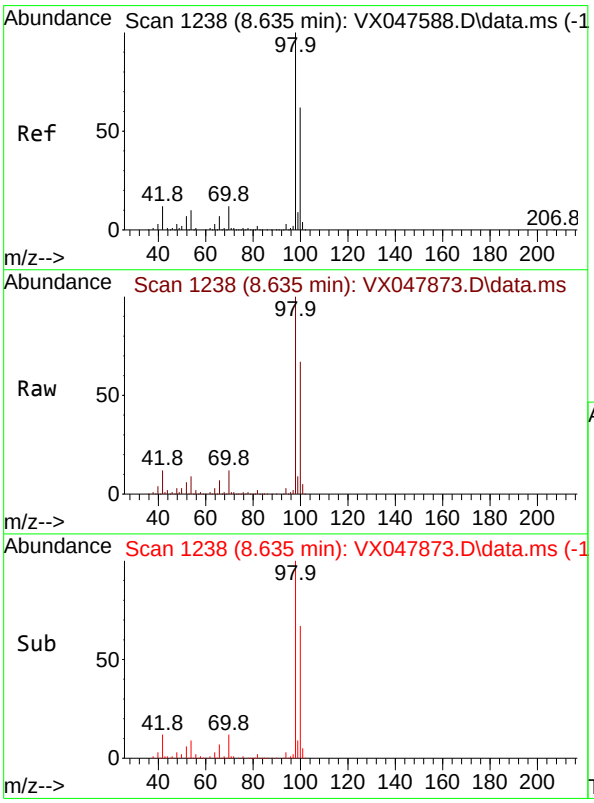
Ion	Ratio	Lower	Upper
88	100		
43	38.2	30.2	45.2
58	73.2	59.5	89.3

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

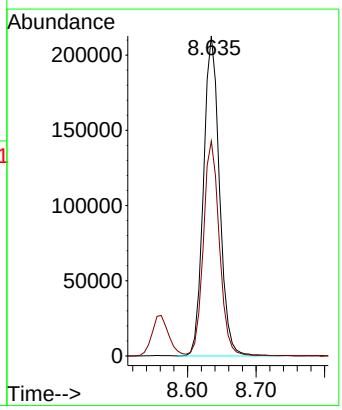


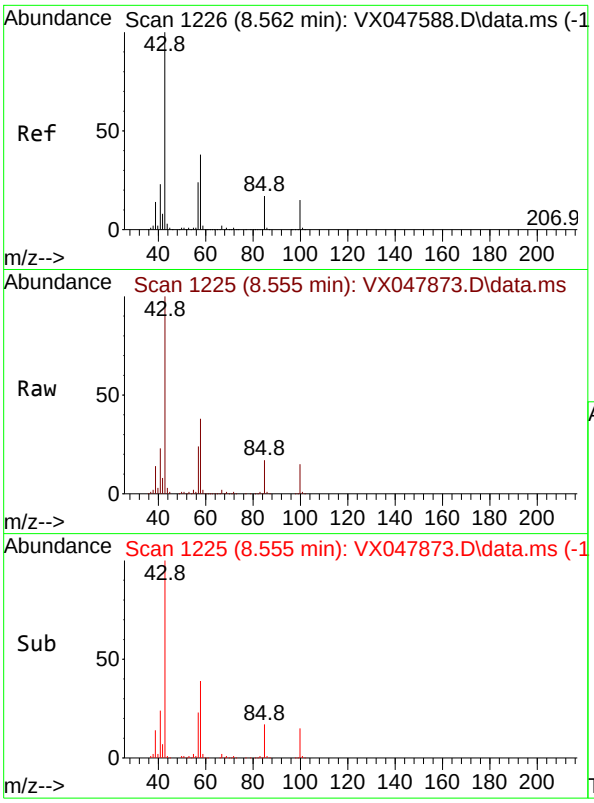


#50
Toluene-d8
Concen: 52.947 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 98 Resp: 345784

Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.0	79.4

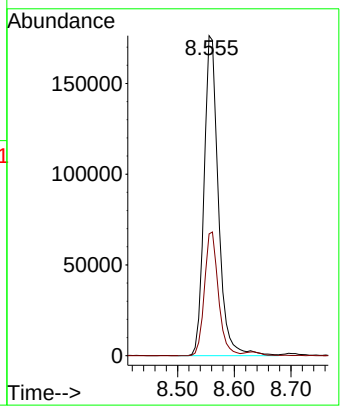




#51
4-Methyl-2-Pentanone
Concen: 115.055 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 43 Resp: 30894

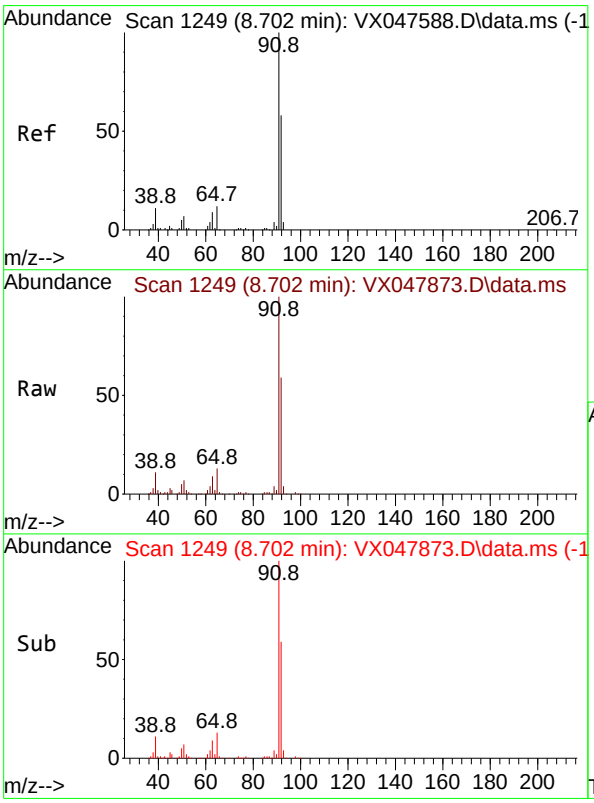
Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

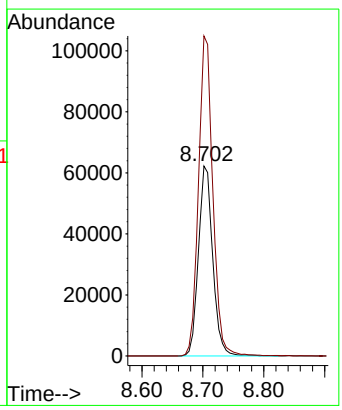
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

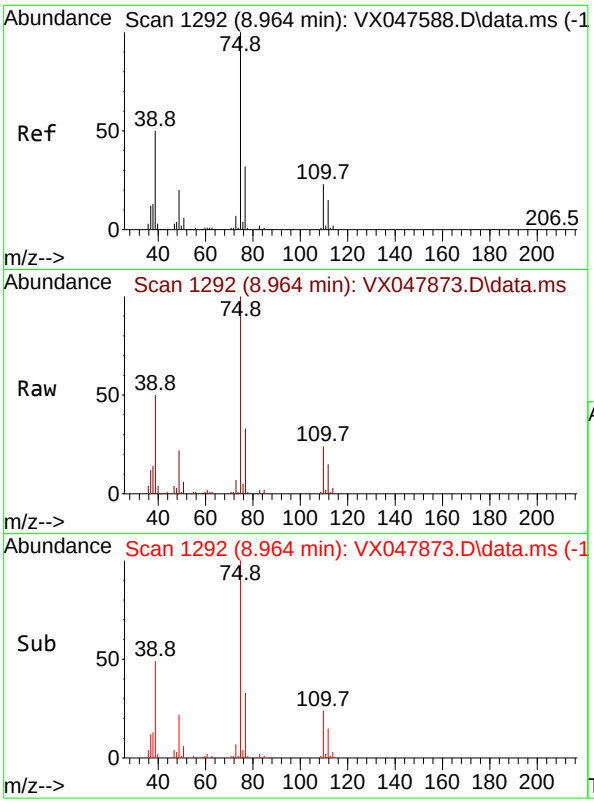


#52
Toluene
Concen: 19.687 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 92 Resp: 101600

Ion	Ratio	Lower	Upper
92	100		
91	168.8	137.1	205.7

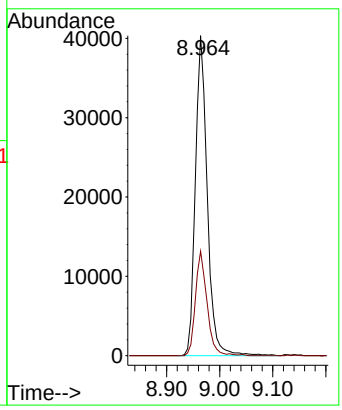




#53
t-1,3-Dichloropropene
Concen: 19.154 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 75 Resp: 6292

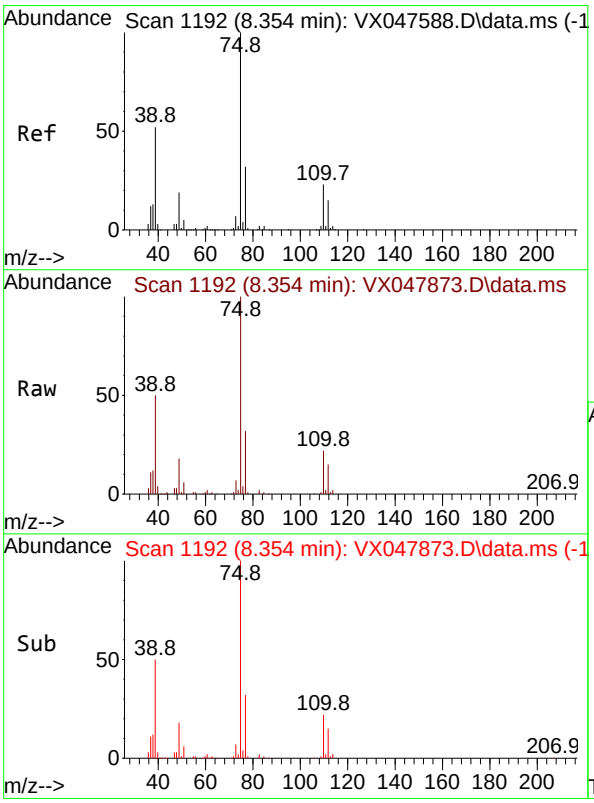
Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

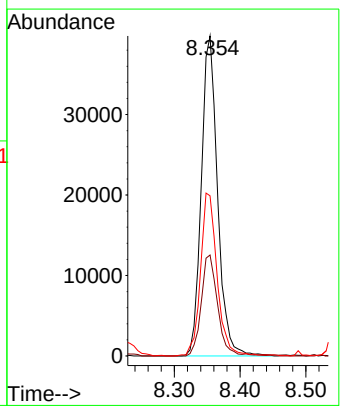
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

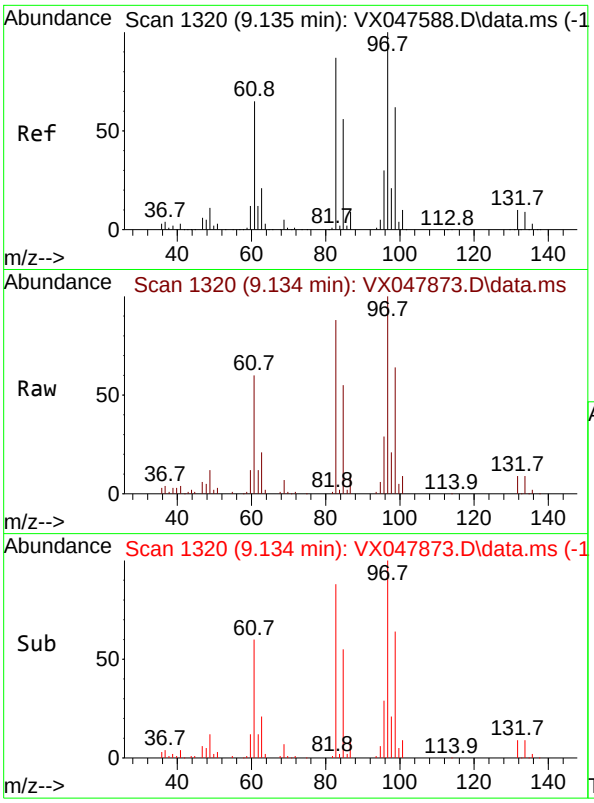


#54
cis-1,3-Dichloropropene
Concen: 19.537 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 75 Resp: 68607

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.8	38.6
39	49.8	41.4	62.2

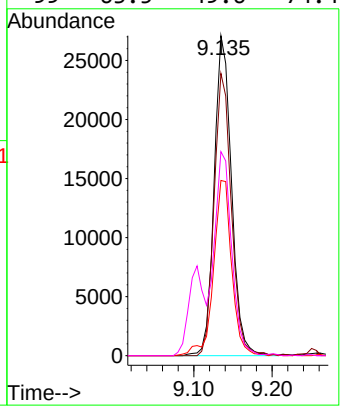




#55
1,1,2-Trichloroethane
Concen: 20.976 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 97 Resp: 4174

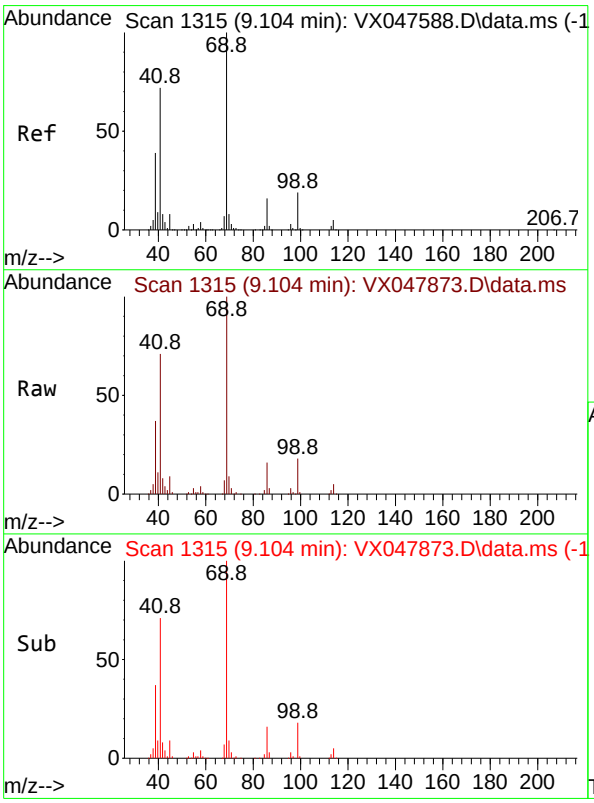
Ion	Ratio	Lower	Upper
97	100		
83	88.2	69.6	104.4
85	54.6	45.0	67.6
99	63.5	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

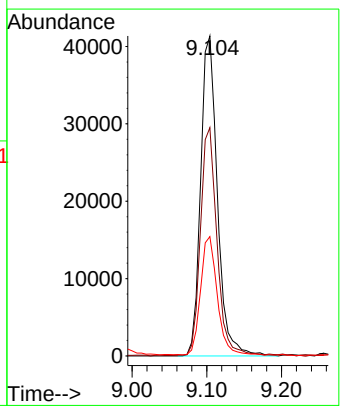
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

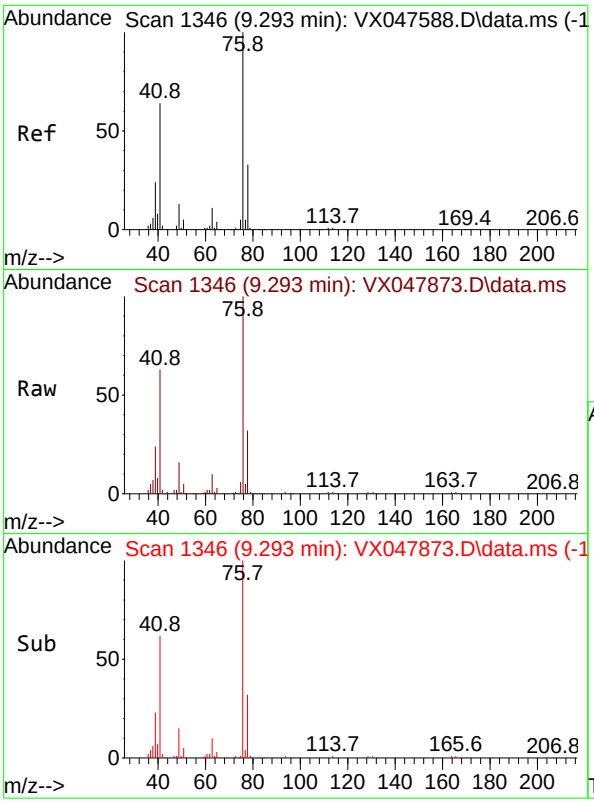


#56
Ethyl methacrylate
Concen: 20.618 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 69 Resp: 64436

Ion	Ratio	Lower	Upper
69	100		
41	69.8	58.6	87.8
39	37.3	31.5	47.3





#57
1,3-Dichloropropane
Concen: 21.113 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

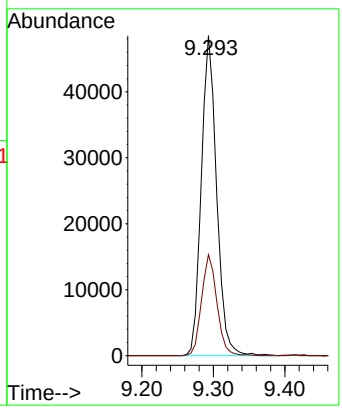
Tgt Ion: 76 Resp: 7217

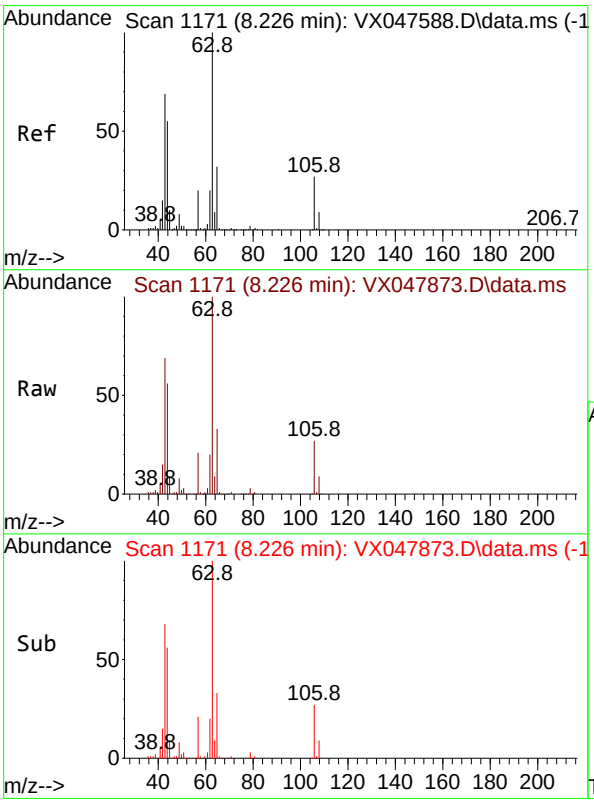
Ion	Ratio	Lower	Upper
76	100		
78	31.7	26.2	39.4

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

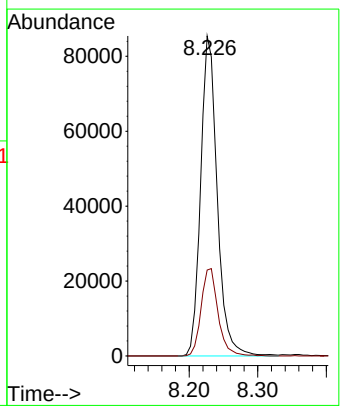


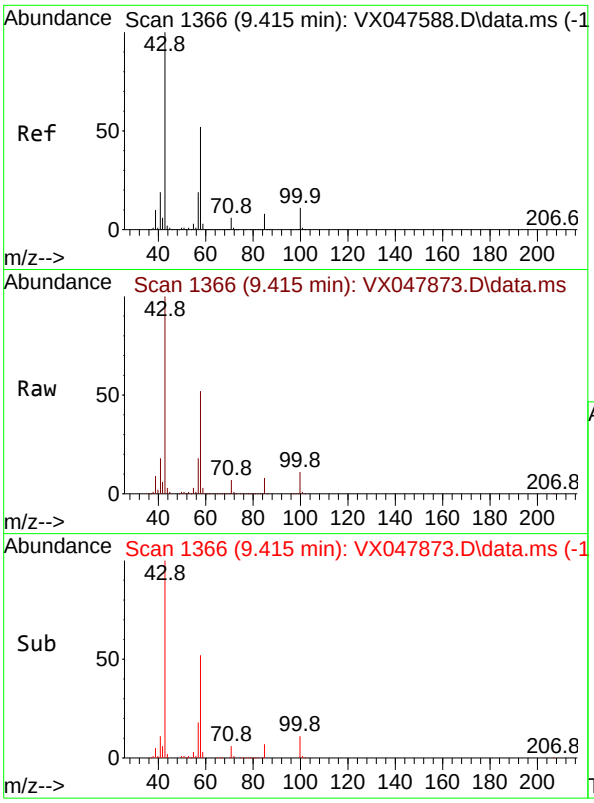


#58
2-Chloroethyl Vinyl ether
Concen: 103.449 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 63 Resp: 144008

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.9	32.9





#59
2-Hexanone
Concen: 112.947 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

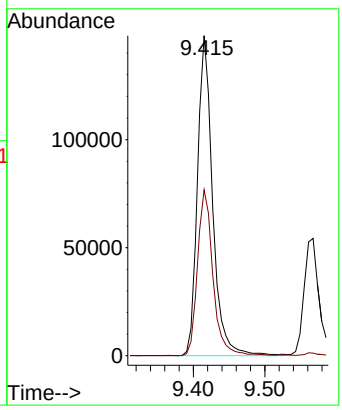
Tgt Ion: 43 Resp: 21781

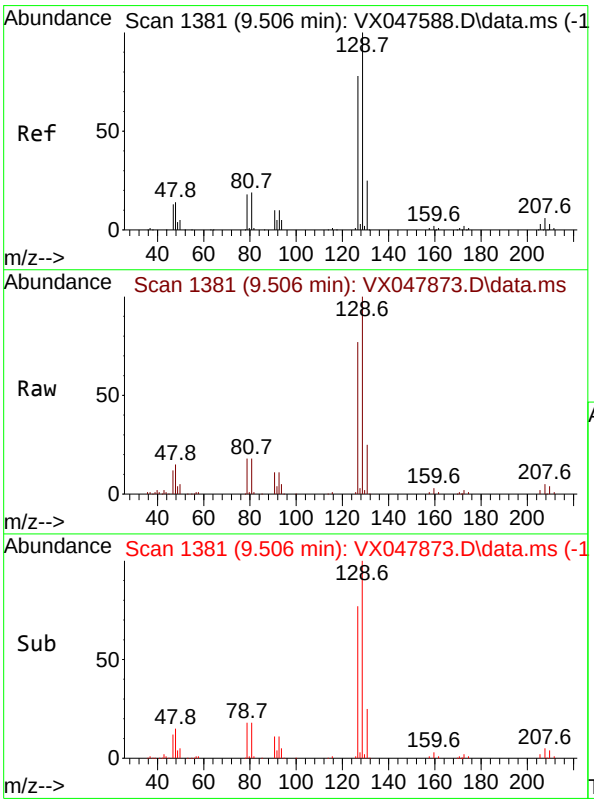
Ion	Ratio	Lower	Upper
43	100		
58	53.0	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

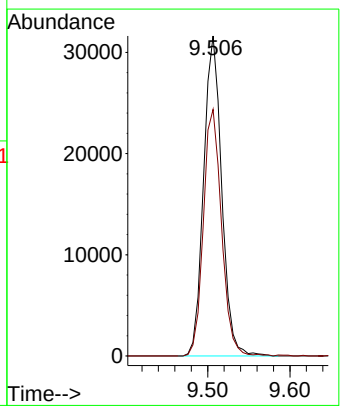


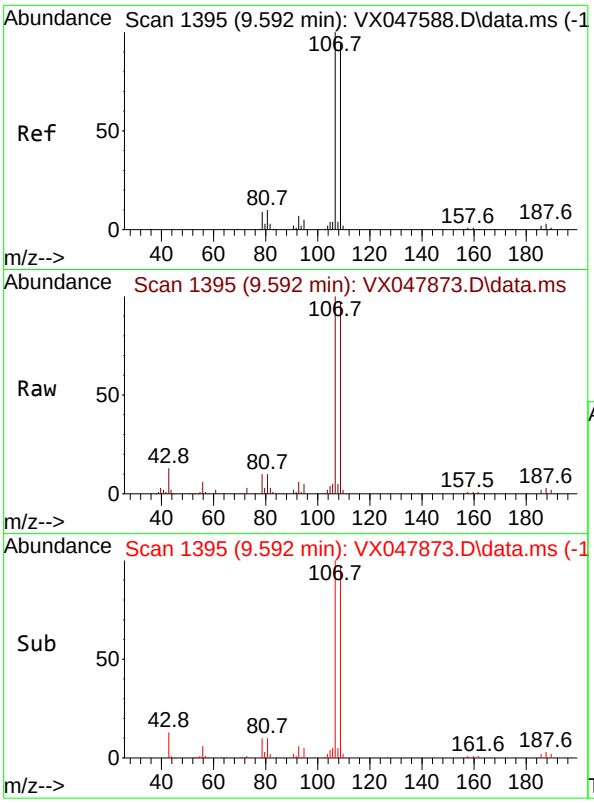


#60
Dibromochloromethane
Concen: 21.045 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:129 Resp: 48253

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.4	115.2





#61
1,2-Dibromoethane
Concen: 21.639 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

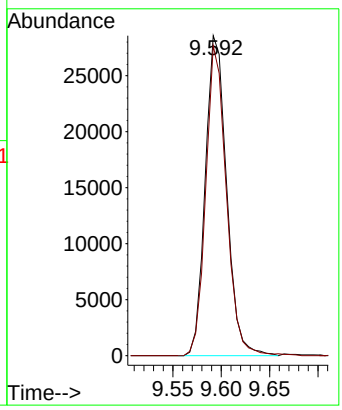
Tgt Ion:107 Resp: 4385

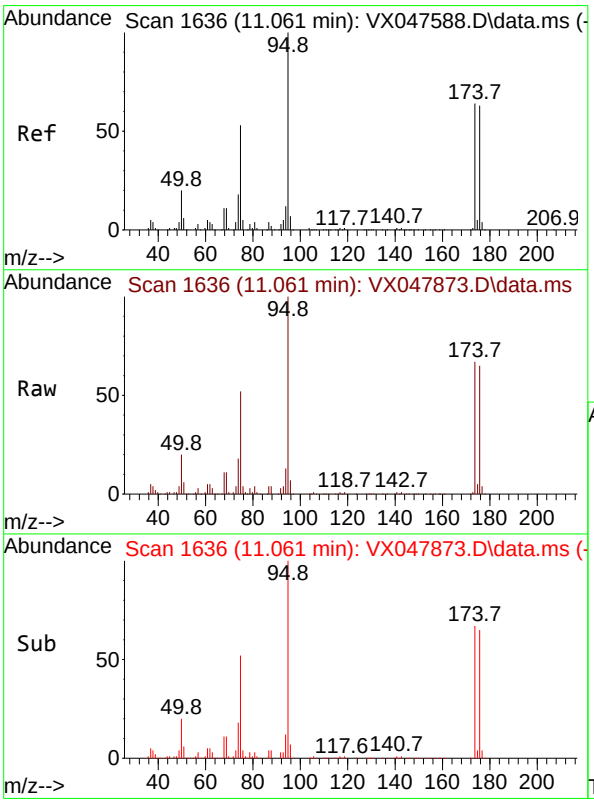
Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.3	112.9

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

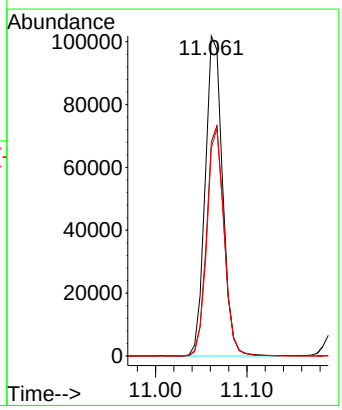


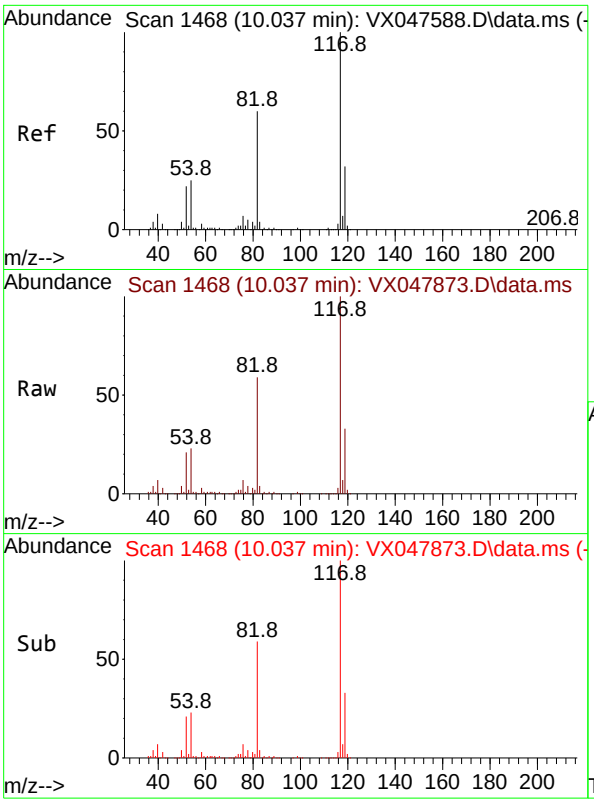


#62
4-Bromofluorobenzene
Concen: 54.005 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 95 Resp: 133853

Ion	Ratio	Lower	Upper
95	100		
174	72.2	0.0	141.6
176	70.3	0.0	138.4

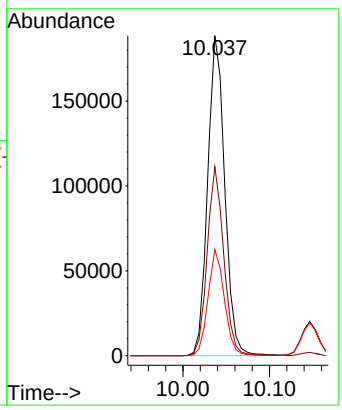




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:117 Resp: 25823

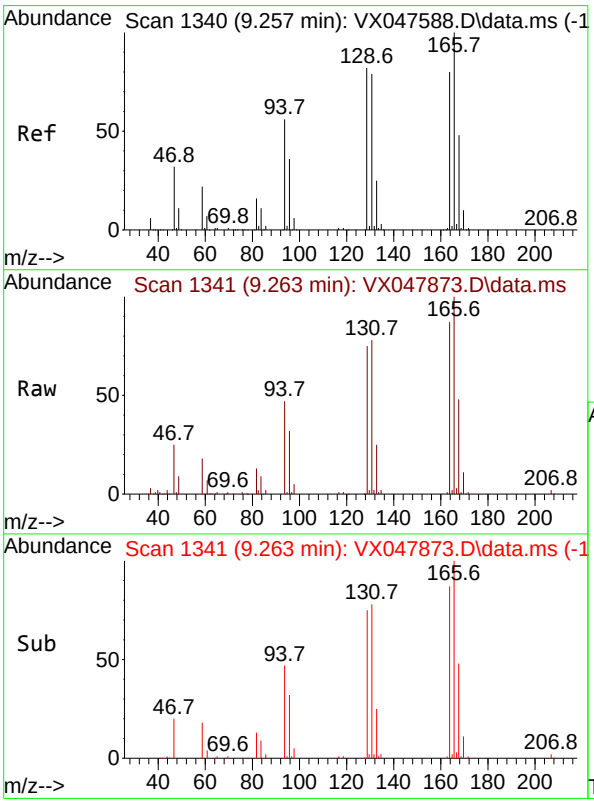
Ion	Ratio	Lower	Upper
117	100		
82	59.1	47.8	71.6
119	33.2	25.2	37.8



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

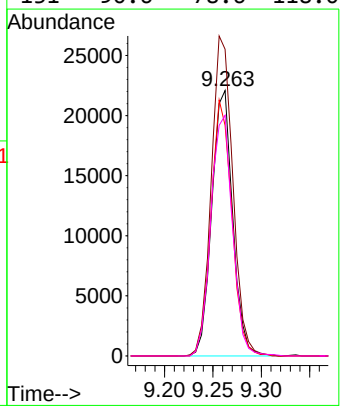
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

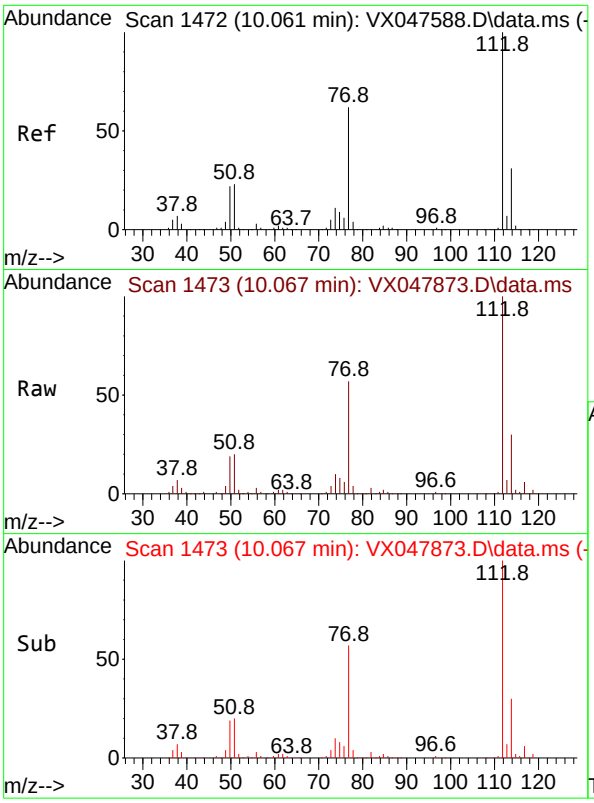


#64
Tetrachloroethene
Concen: 19.653 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:164 Resp: 33085

Ion	Ratio	Lower	Upper
164	100		
166	115.5	100.2	150.2
129	86.9	81.8	122.6
131	90.6	78.6	118.0

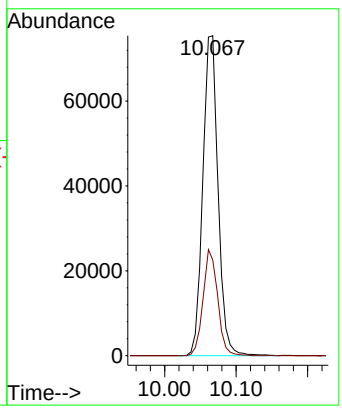




#65
Chlorobenzene
Concen: 19.039 ug/l
RT: 10.067 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:112 Resp: 11169

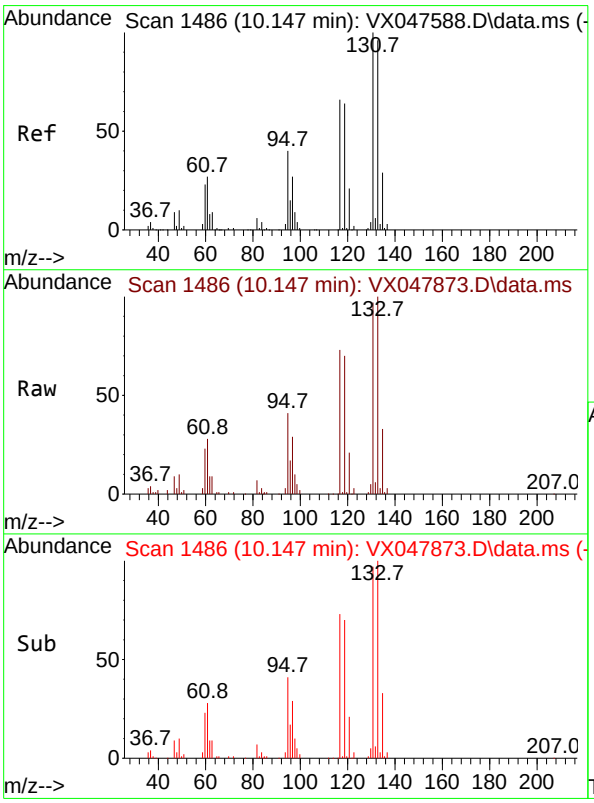
Ion	Ratio	Lower	Upper
112	100		
114	29.9	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

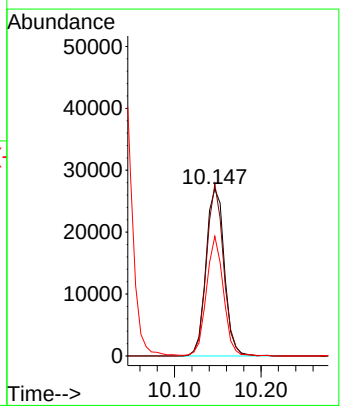
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

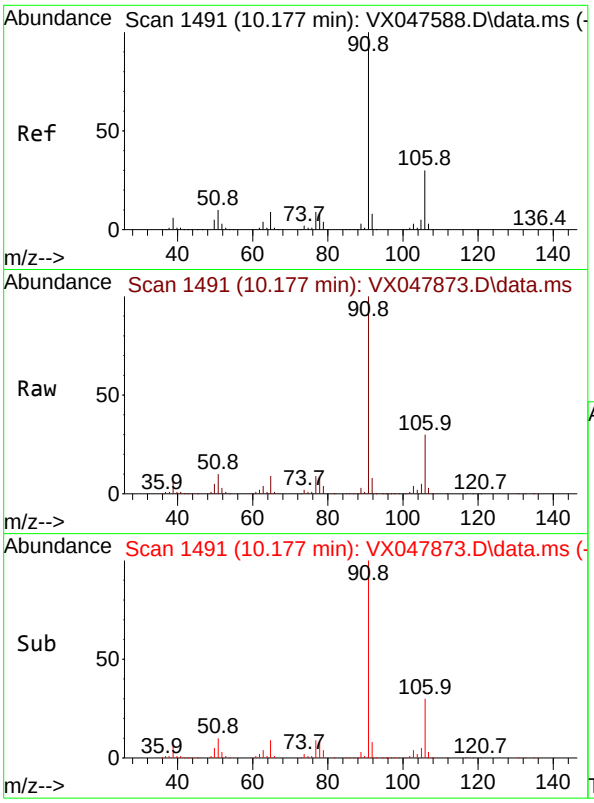


#66
1,1,1,2-Tetrachloroethane
Concen: 19.681 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:131 Resp: 39843

Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.3	142.0
119	66.2	32.0	96.0

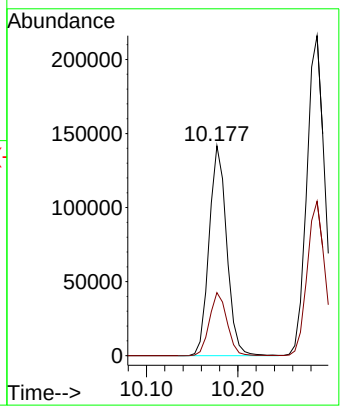




#67
Ethyl Benzene
Concen: 18.654 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 91 Resp: 18883

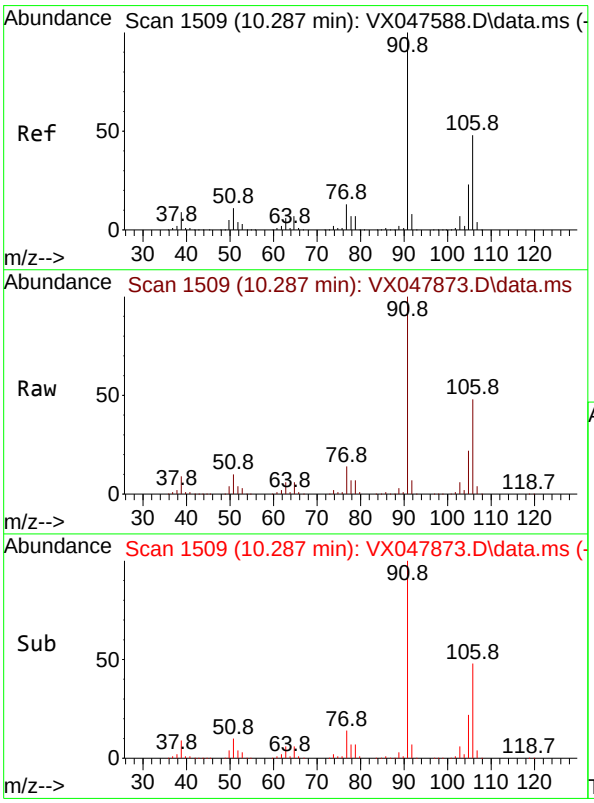
Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

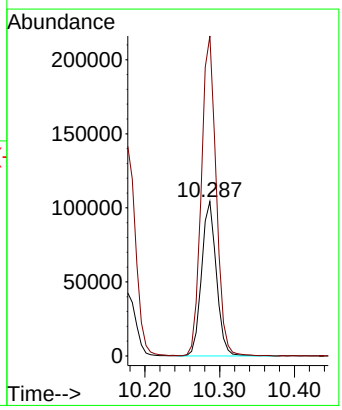
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

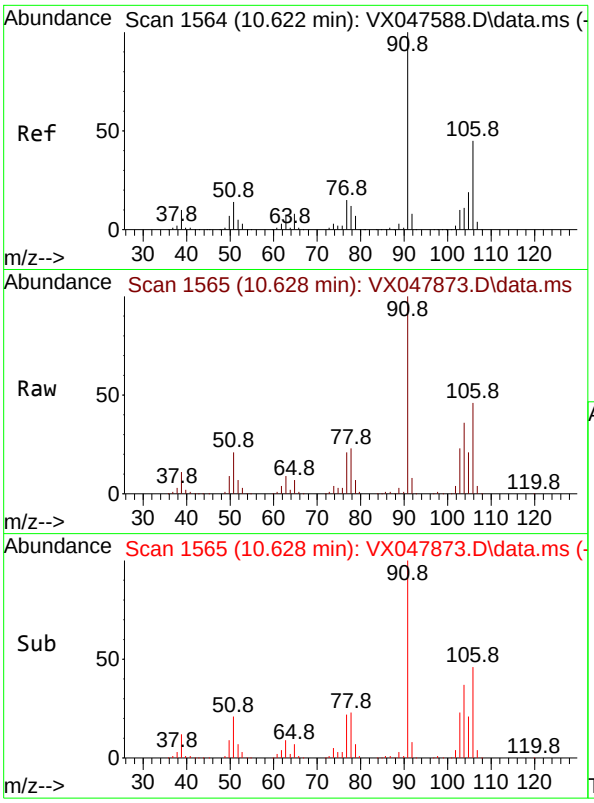


#68
m/p-Xylenes
Concen: 38.056 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:106 Resp: 143383

Ion	Ratio	Lower	Upper
106	100		
91	208.2	167.8	251.8

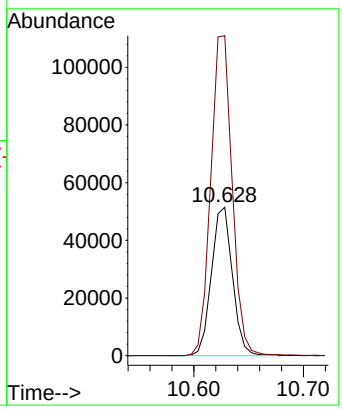




#69
o-Xylene
Concen: 18.818 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:106 Resp: 6857

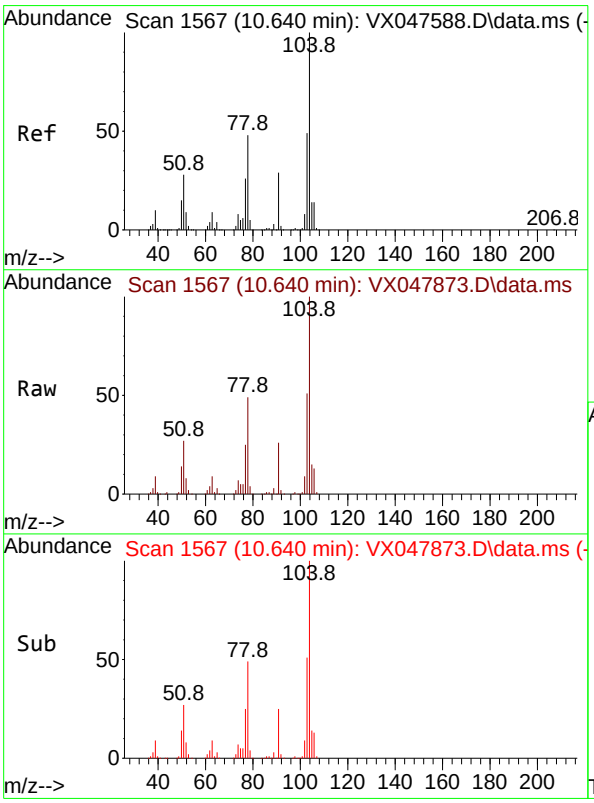
Ion	Ratio	Lower	Upper
106	100		
91	220.4	111.1	333.4



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

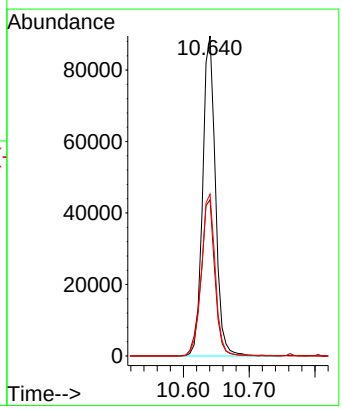
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

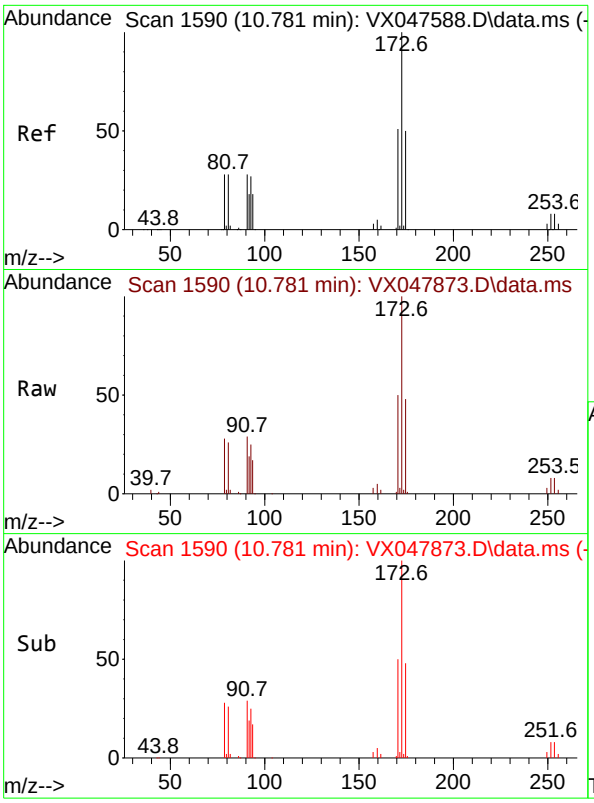


#70
Styrene
Concen: 18.987 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:104 Resp: 121241

Ion	Ratio	Lower	Upper
104	100		
78	52.8	43.1	64.7
103	54.6	43.1	64.7

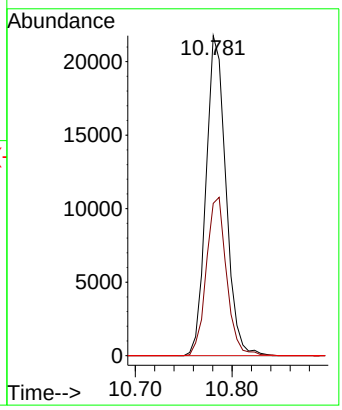




#71
Bromoform
Concen: 20.487 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:173 Resp: 3096

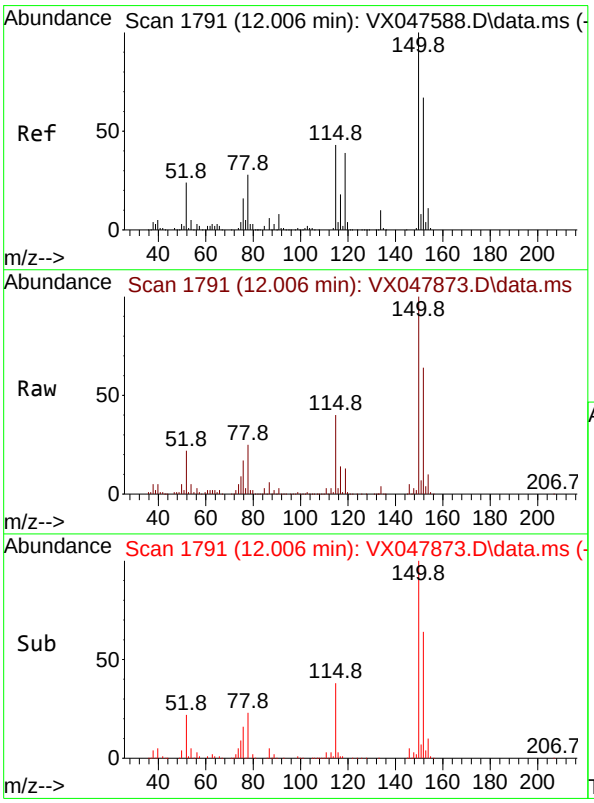
Ion	Ratio	Lower	Upper
173	100		
175	50.6	24.9	74.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

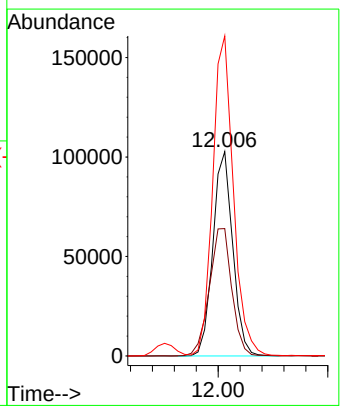
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

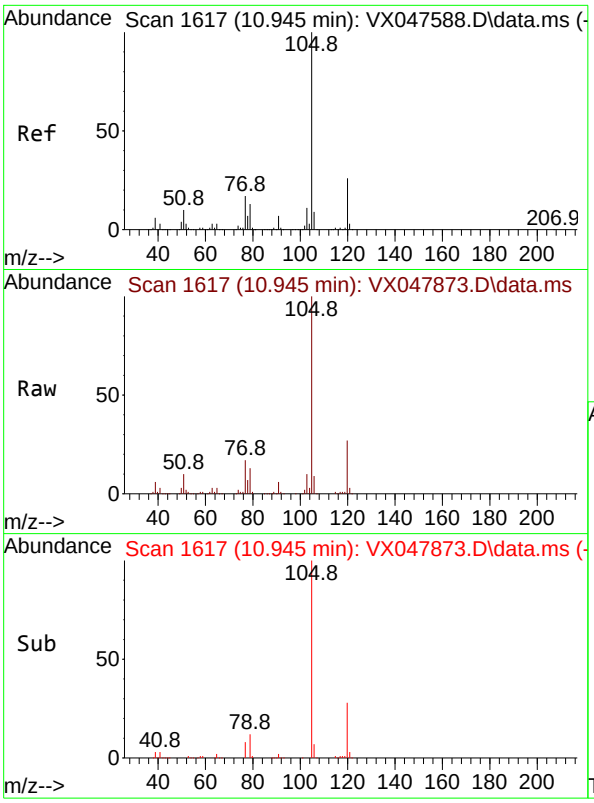


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:152 Resp: 129173

Ion	Ratio	Lower	Upper
152	100		
115	70.5	44.9	134.5
150	162.7	0.0	352.0

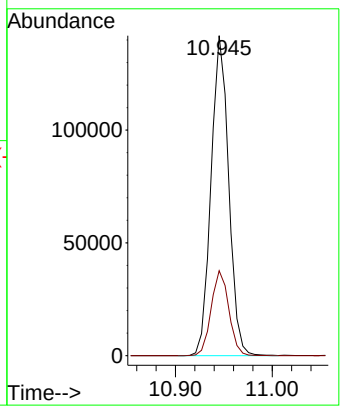




#73
Isopropylbenzene
Concen: 18.290 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:105 Resp: 17961

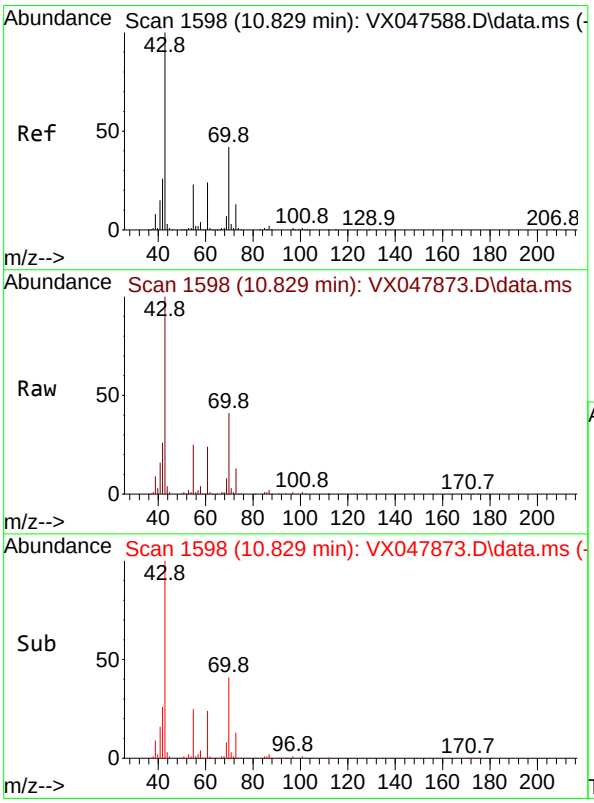
Ion	Ratio	Lower	Upper
105	100		
120	26.5	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

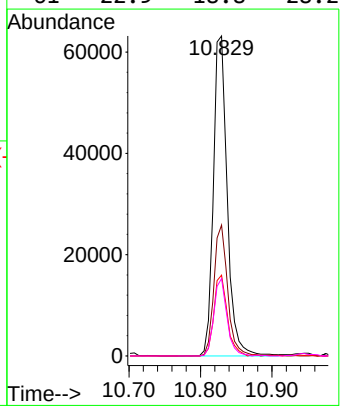
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

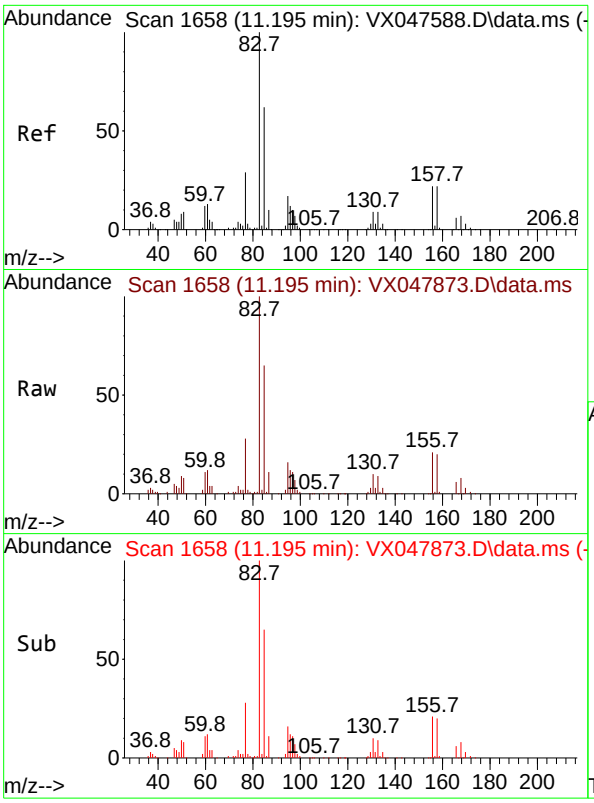


#74
N-amyl acetate
Concen: 19.004 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 43 Resp: 85106

Ion	Ratio	Lower	Upper
43	100		
70	40.4	32.0	48.0
55	24.6	18.9	28.3
61	22.9	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 20.601 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

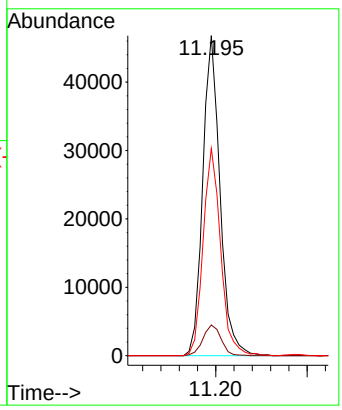
Tgt Ion: 83 Resp: 6121

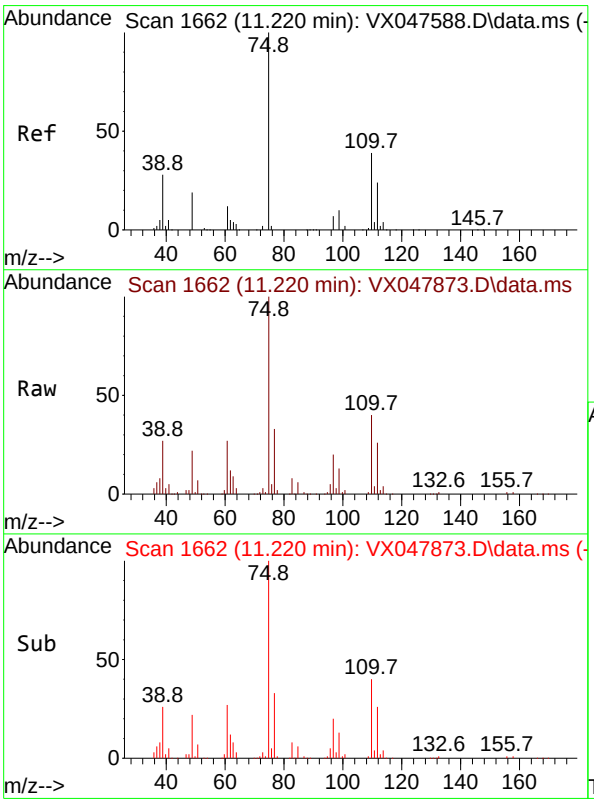
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	65.6	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

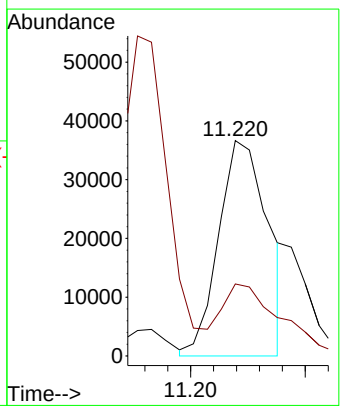


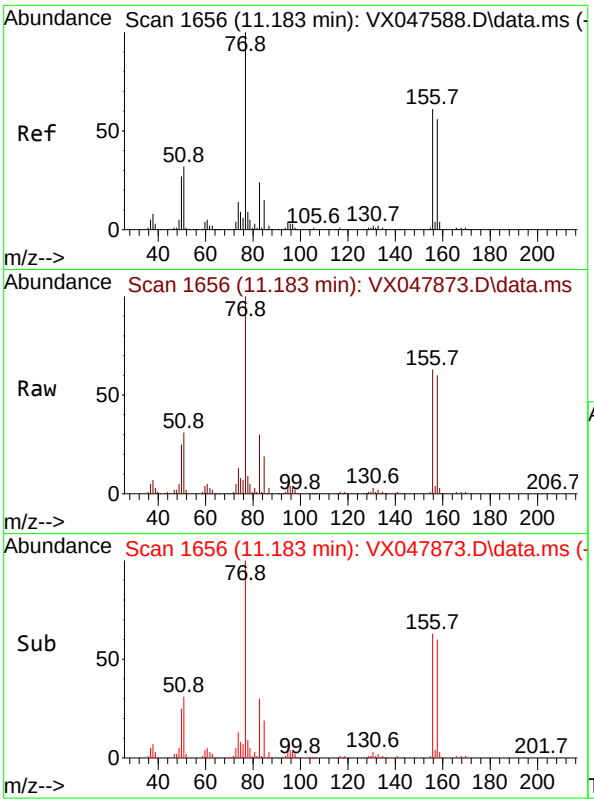


#76
1,2,3-Trichloropropane
Concen: 20.983 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 75 Resp: 54877

Ion	Ratio	Lower	Upper
75	100		
77	40.0	18.8	56.4





#77
Bromobenzene
Concen: 18.577 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

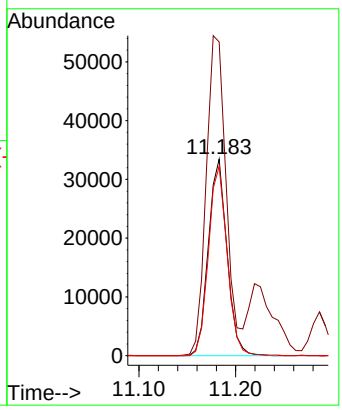
Tgt Ion:156 Resp: 4493

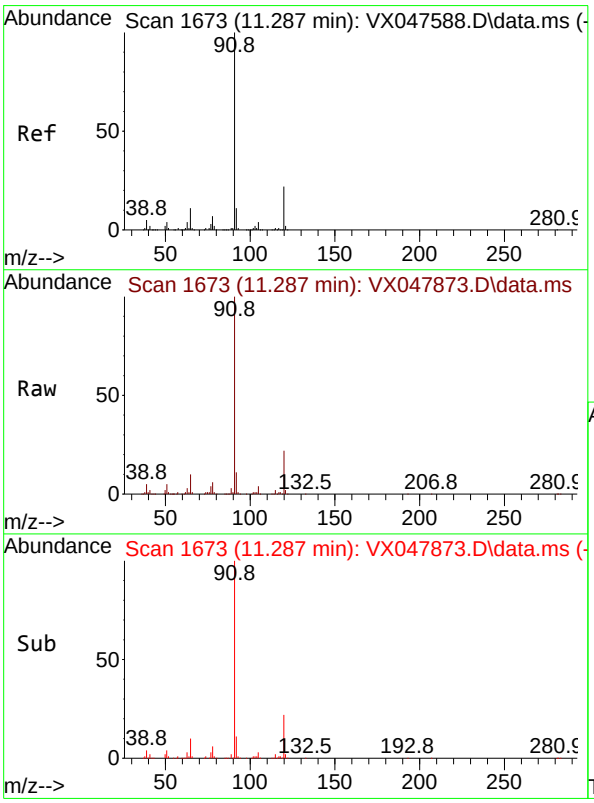
Ion	Ratio	Lower	Upper
156	100		
77	174.5	89.7	269.1
158	96.1	47.9	143.6

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

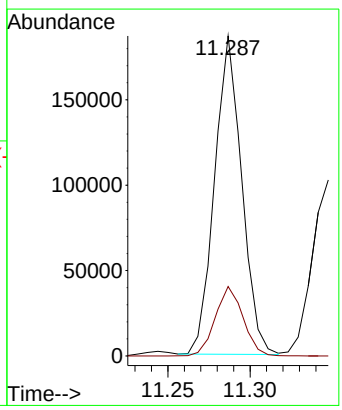


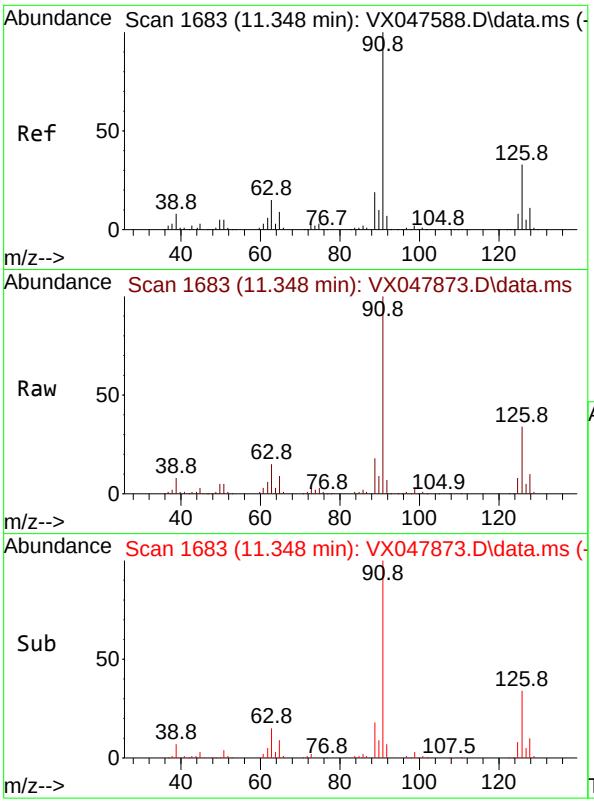


#78
n-propylbenzene
Concen: 18.434 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 91 Resp: 214005

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1





#79
2-Chlorotoluene
Concen: 18.385 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

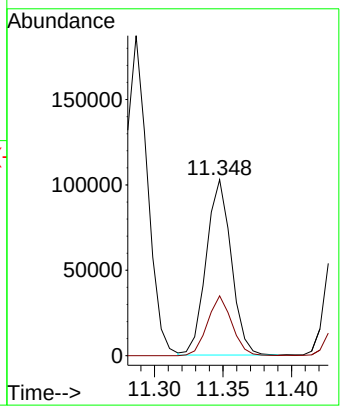
Tgt Ion: 91 Resp: 13072

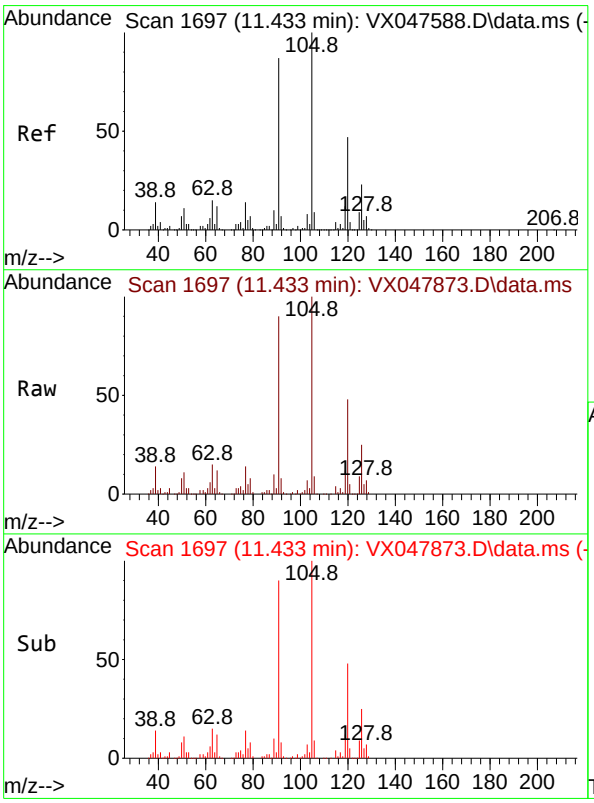
Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.1	48.3

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

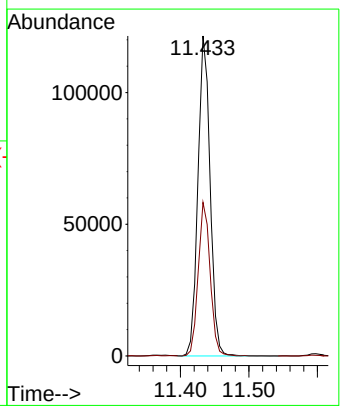


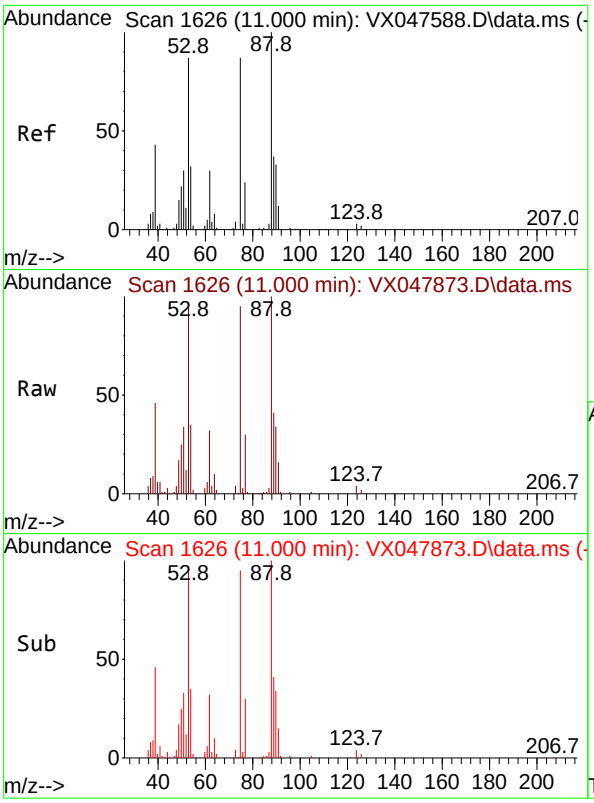


#80
1,3,5-Trimethylbenzene
Concen: 18.624 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:105 Resp: 150269

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 18.326 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

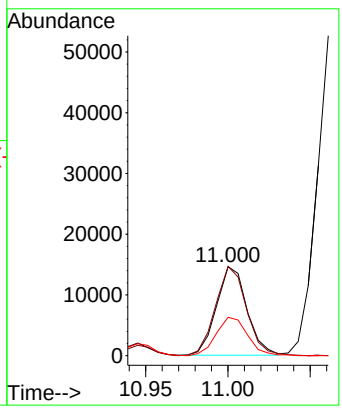
Tgt Ion: 75 Resp: 1879

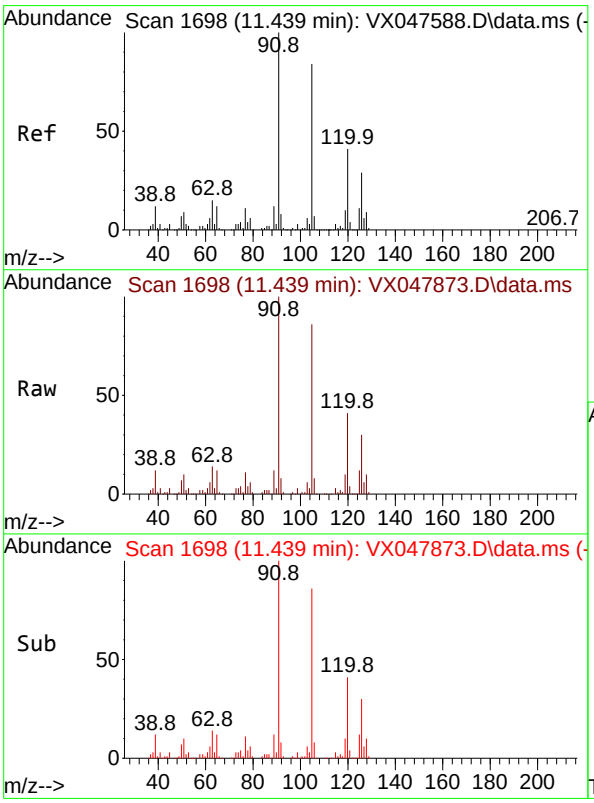
Ion	Ratio	Lower	Upper
75	100		
53	102.1	83.4	125.2
89	44.7	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

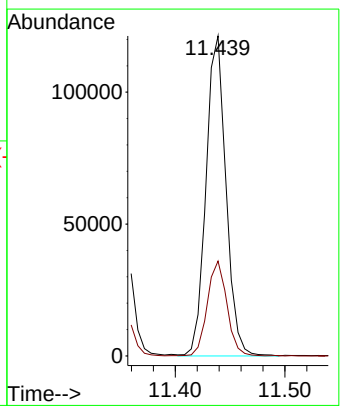


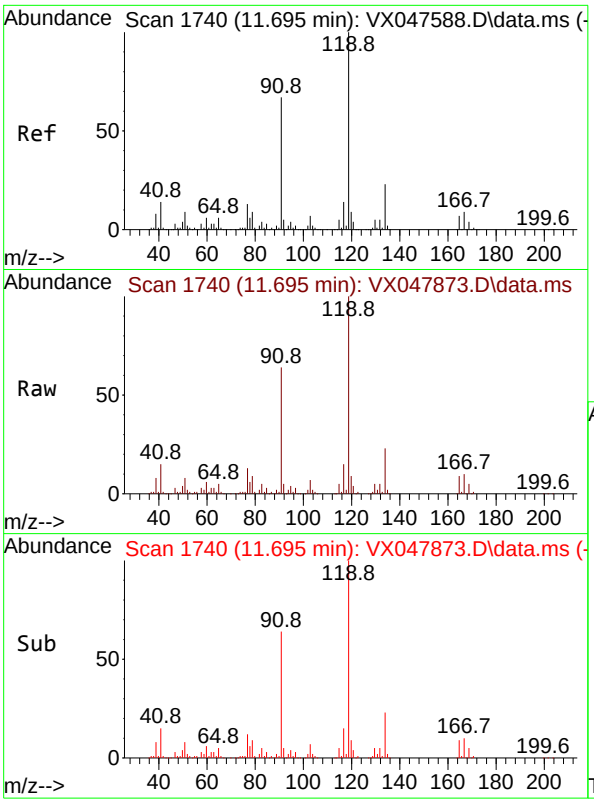


#82
4-Chlorotoluene
Concen: 18.296 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 91 Resp: 153647

Ion	Ratio	Lower	Upper
91	100		
126	29.2	14.2	42.6

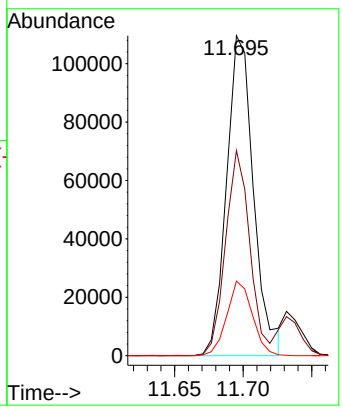




#83
tert-Butylbenzene
Concen: 18.186 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:119 Resp: 15021

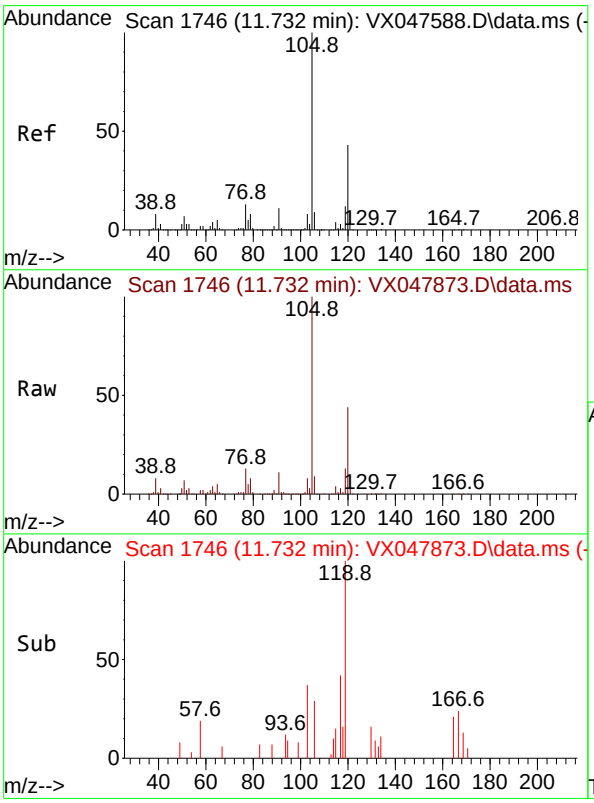
Ion	Ratio	Lower	Upper
119	100		
91	57.8	29.6	88.8
134	22.1	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

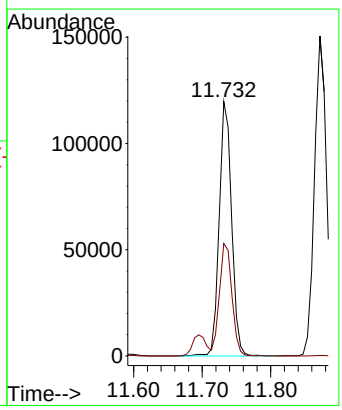
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

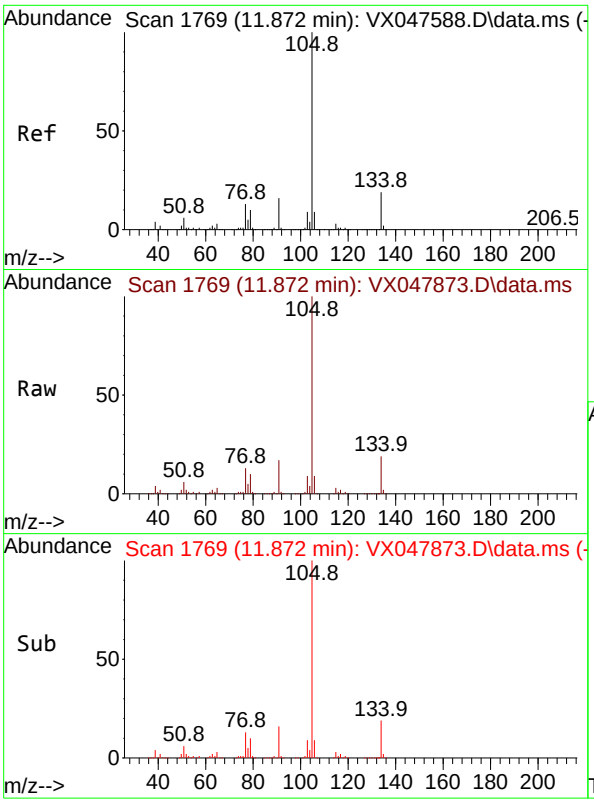


#84
1,2,4-Trimethylbenzene
Concen: 18.288 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:105 Resp: 149600

Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.1	66.1





#85
sec-Butylbenzene
Concen: 18.850 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

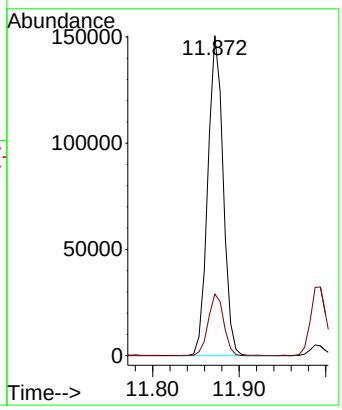
Tgt Ion:105 Resp: 18493

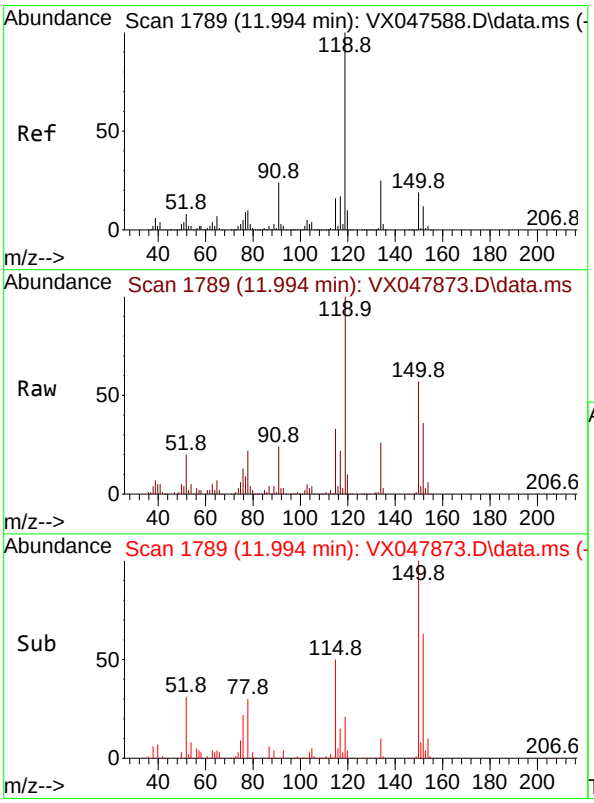
Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.5

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

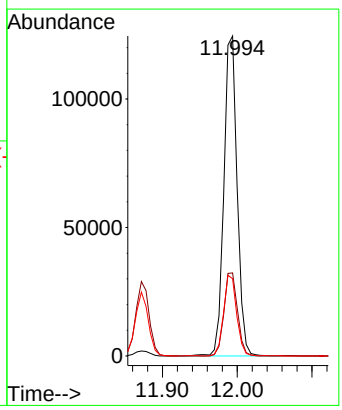


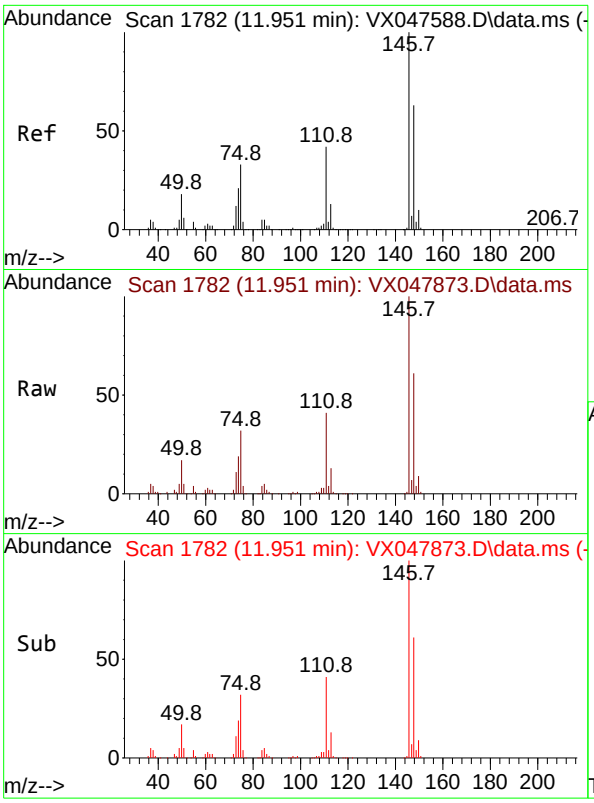


#86
p-Isopropyltoluene
Concen: 18.486 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:119 Resp: 153538

Ion	Ratio	Lower	Upper
119	100		
134	26.5	12.6	37.8
91	24.9	12.6	37.6





#87
1,3-Dichlorobenzene
Concen: 18.887 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

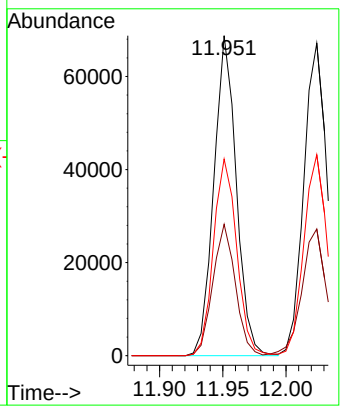
Tgt Ion:146 Resp: 8485

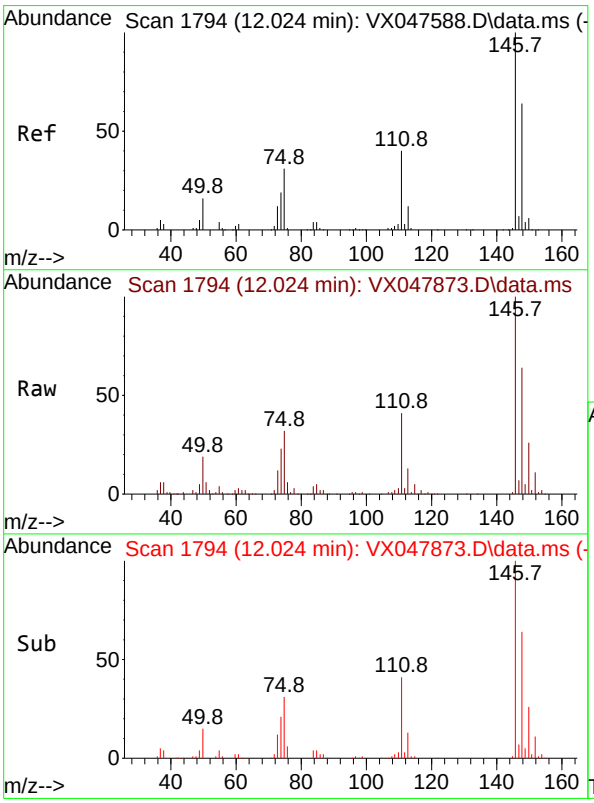
Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.5	64.5
148	63.6	32.0	96.0

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

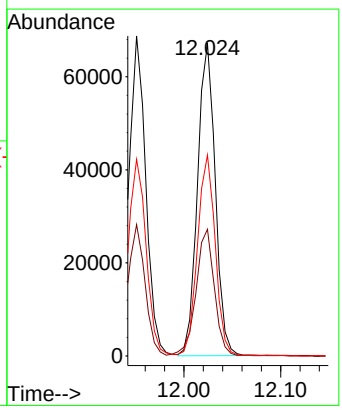


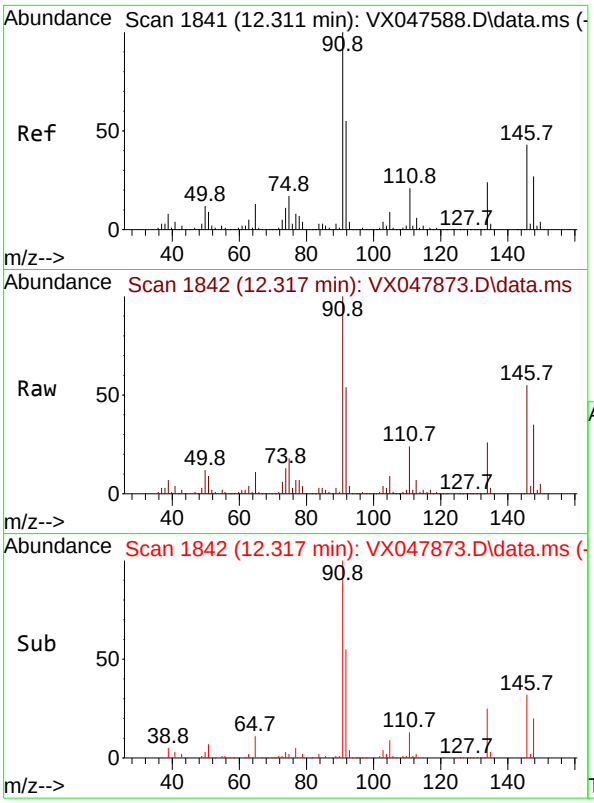


#88
1,4-Dichlorobenzene
Concen: 18.634 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:146 Resp: 85922

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.8	62.4
148	64.1	31.7	95.1

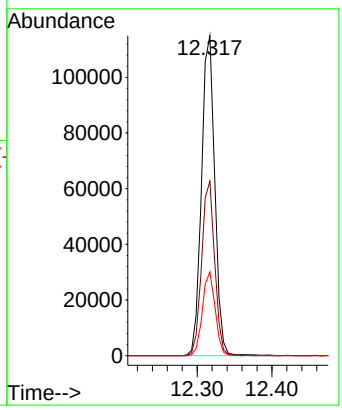




#89
n-Butylbenzene
Concen: 18.456 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 91 Resp: 14184

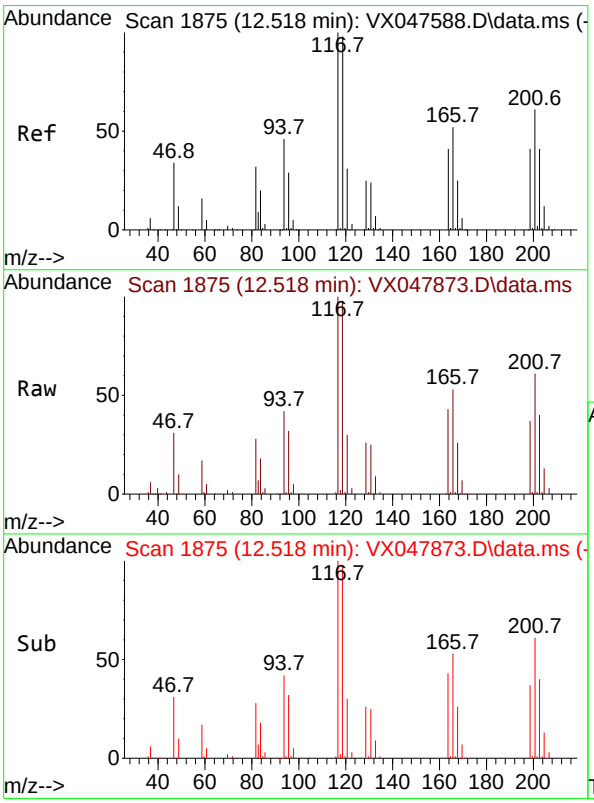
Ion	Ratio	Lower	Upper
91	100		
92	53.4	27.6	82.7
134	25.2	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

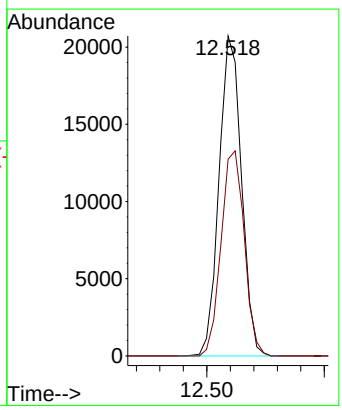
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

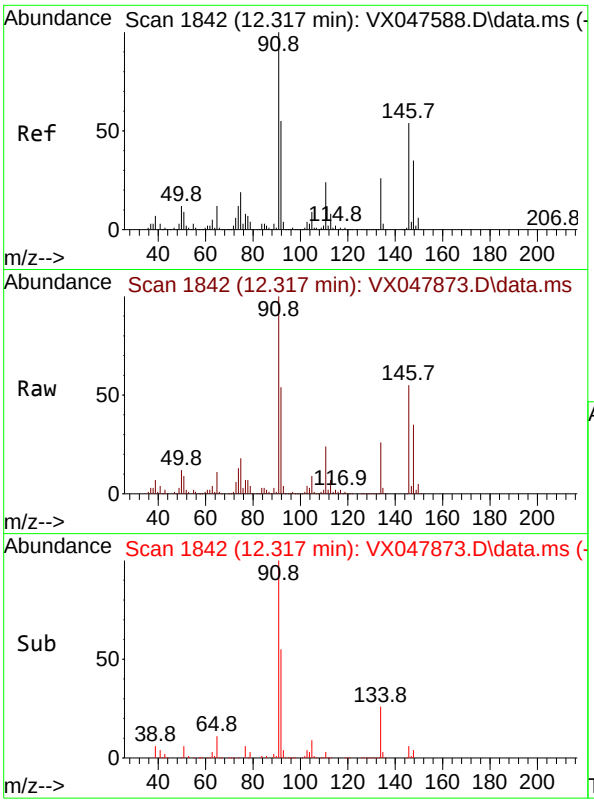


#90
Hexachloroethane
Concen: 18.816 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:117 Resp: 27438

Ion	Ratio	Lower	Upper
117	100		
201	66.5	34.2	102.5

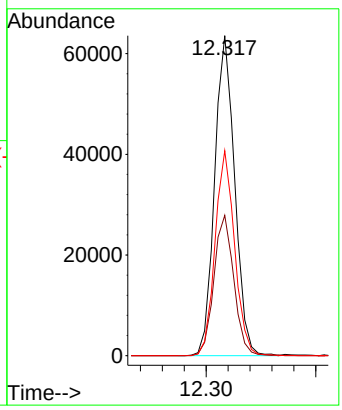




#91
1,2-Dichlorobenzene
Concen: 18.870 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:146 Resp: 8076

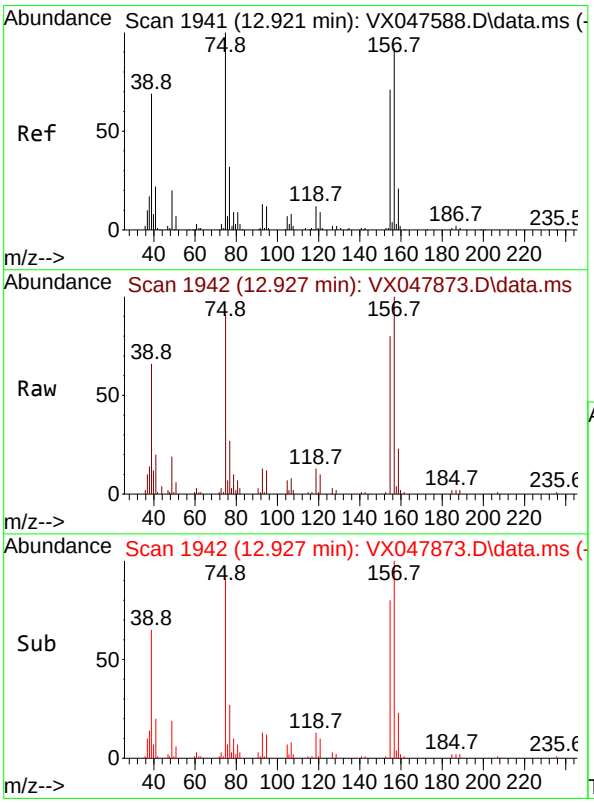
Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.2	66.6
148	62.5	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

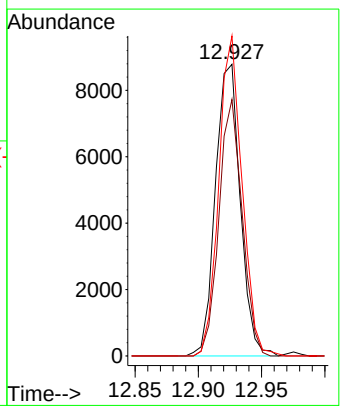
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

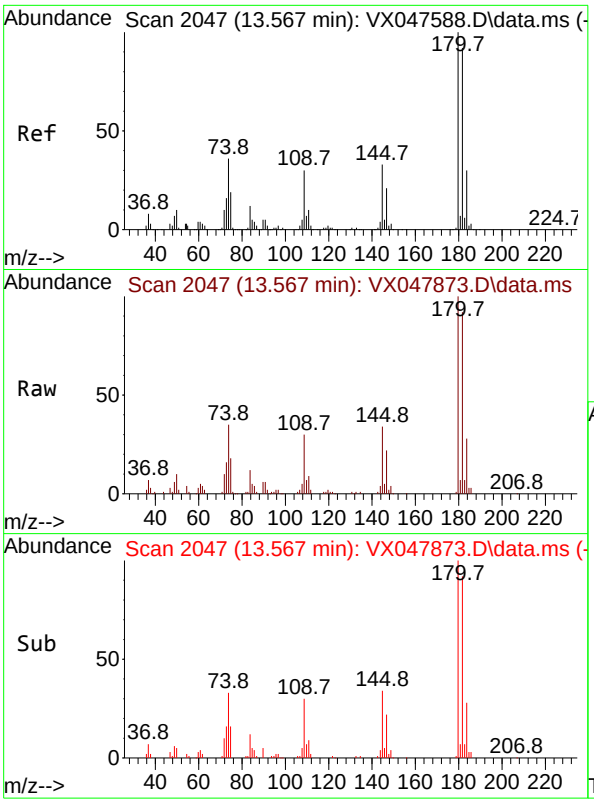


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.903 ug/l
RT: 12.927 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 75 Resp: 11973

Ion	Ratio	Lower	Upper
75	100		
155	82.3	37.7	113.1
157	103.0	49.8	149.4

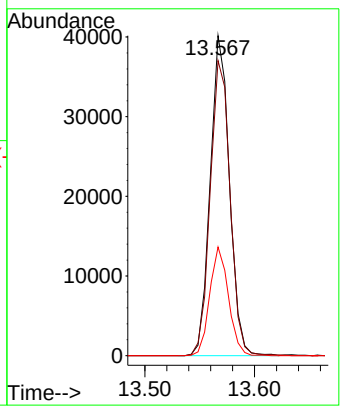




#93
1,2,4-Trichlorobenzene
Concen: 17.600 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:180 Resp: 4895

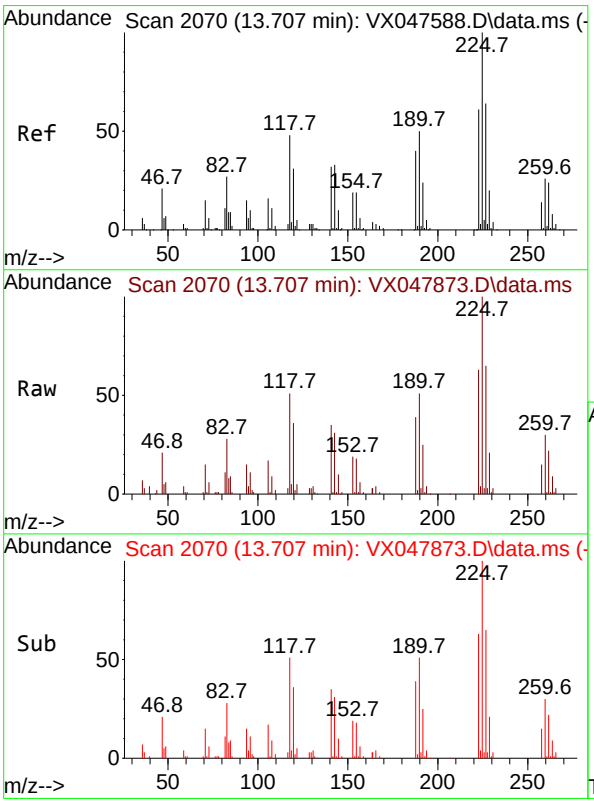
Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.6	139.8
145	33.1	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

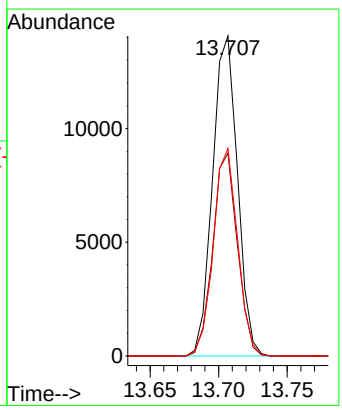
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025

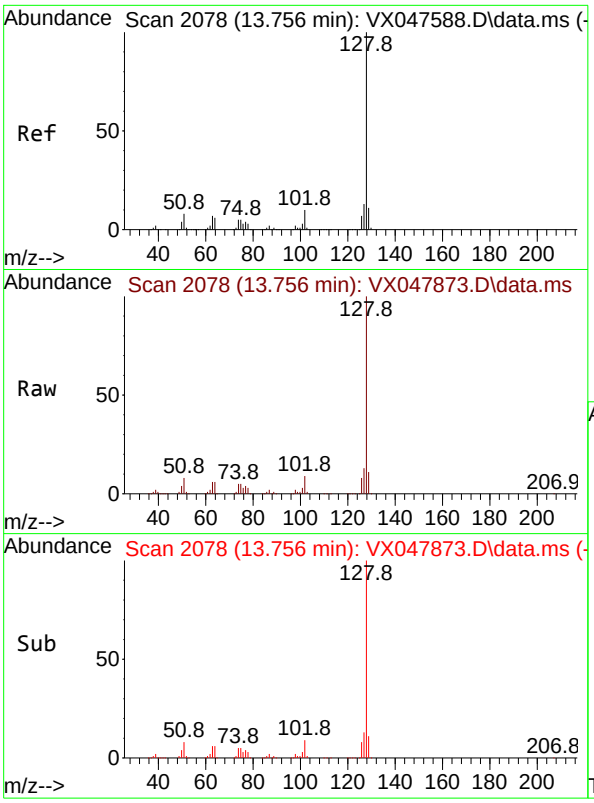


#94
Hexachlorobutadiene
Concen: 18.806 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:225 Resp: 17769

Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.7	95.1
227	63.2	32.0	96.0

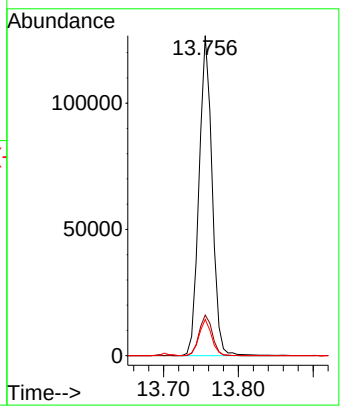




#95
Naphthalene
Concen: 18.167 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:128 Resp: 15388

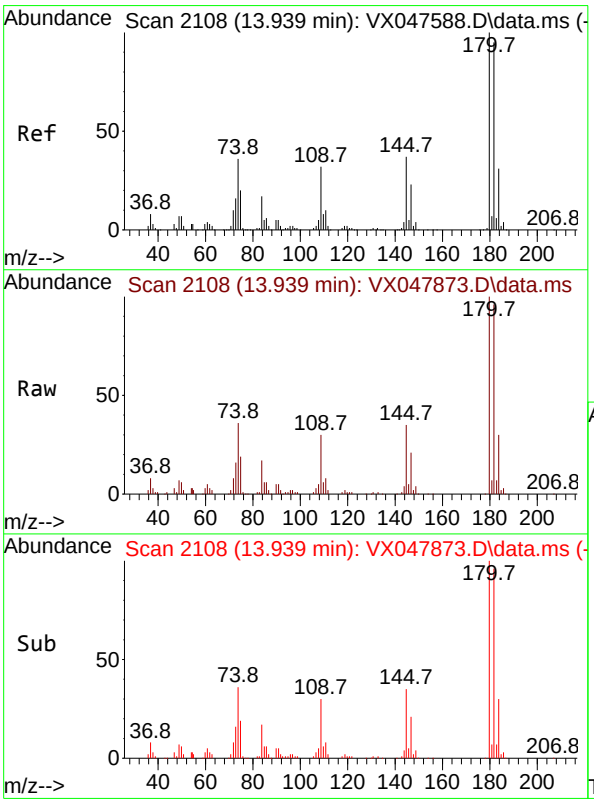
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.9	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Manual Integrations
APPROVED

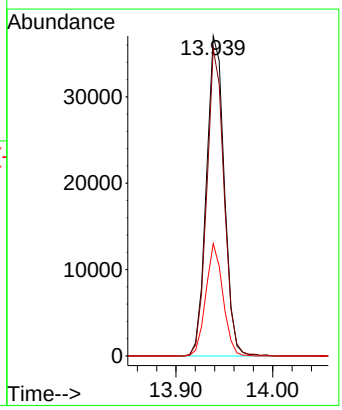
Reviewed By :John Carlone 09/30/2025
Supervised By :Mahesh Dadoda 10/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.324 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:180 Resp: 47416

Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.6	142.8
145	33.7	17.9	53.7



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

Manual Integration Report

Sequence:	vx091625	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX047585.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:25:46 AM	MMDadoda	9/18/2025 3:22:10 PM	Peak Integrated by Software
VSTDICC001	VX047585.D	1,4-Dichlorobenzene	JOHN	9/17/2025 8:25:46 AM	MMDadoda	9/18/2025 3:22:10 PM	Peak Integrated by Software
VSTDICC001	VX047585.D	1,4-Dioxane	JOHN	9/17/2025 8:25:46 AM	MMDadoda	9/18/2025 3:22:10 PM	Peak Integrated by Software
VSTDICC005	VX047586.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:25:50 AM	MMDadoda	9/18/2025 3:22:12 PM	Peak Integrated by Software
VSTDICC020	VX047587.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:25:57 AM	MMDadoda	9/18/2025 3:22:15 PM	Peak Integrated by Software
VSTDICCC050	VX047588.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:01 AM	MMDadoda	9/18/2025 3:22:17 PM	Peak Integrated by Software
VSTDICC100	VX047589.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:06 AM	MMDadoda	9/18/2025 3:22:20 PM	Peak Integrated by Software
VSTDICC150	VX047590.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:11 AM	MMDadoda	9/18/2025 3:22:24 PM	Peak Integrated by Software
VSTDICV050	VX047592.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:15 AM	MMDadoda	9/18/2025 3:22:26 PM	Peak Integrated by Software
VSTDCCC050	VX047599.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:34 AM	MMDadoda	9/18/2025 3:22:31 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VX092925	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX047868.D	1,2,3-Trichloropropane	JOHN	9/30/2025 8:19:04 AM	MMDadoda	10/3/2025 1:48:34 AM	Peak Integrated by Software
VX0929WBS01	VX047871.D	1,2,3-Trichloropropane	JOHN	9/30/2025 8:19:08 AM	MMDadoda	10/3/2025 1:48:35 AM	Peak Integrated by Software
VX0929WBSD01	VX047873.D	1,2,3-Trichloropropane	JOHN	9/30/2025 8:19:12 AM	MMDadoda	10/3/2025 1:48:39 AM	Peak Integrated by Software
VSTDCCC050	VX047894.D	1,2,3-Trichloropropane	JOHN	9/30/2025 8:19:30 AM	MMDadoda	10/3/2025 1:48:42 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vx093025	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX047896.D	1,2,3-Trichloropropane	JOHN	10/1/2025 8:09:00 AM	MMDadoda	10/3/2025 1:49:17 AM	Peak Integrated by Software
VX0930WBS01	VX047899.D	1,2,3-Trichloropropane	JOHN	10/1/2025 8:09:13 AM	MMDadoda	10/3/2025 1:49:19 AM	Peak Integrated by Software
VSTDCCC050	VX047923.D	1,2,3-Trichloropropane	JOHN	10/1/2025 8:10:03 AM	MMDadoda	10/3/2025 1:49:32 AM	Peak Integrated by Software

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX091625

Review By	John Carlone	Review On	9/17/2025 8:27:00 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/18/2025 3:22:52 PM		
SubDirectory	VX091625	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135487
Initial Calibration Stds	VP135489,VP135490,VP135491,VP135492,VP135493,VP135494
CCC	VP135488
Internal Standard/PEM	
ICV/I.BLK	VP135495
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047584.D	16 Sep 2025 08:56	JC/MD	Ok
2	VSTDICC001	VX047585.D	16 Sep 2025 09:23	JC/MD	Ok,M
3	VSTDICC005	VX047586.D	16 Sep 2025 10:16	JC/MD	Ok,M
4	VSTDICC020	VX047587.D	16 Sep 2025 10:37	JC/MD	Ok,M
5	VSTDICCC050	VX047588.D	16 Sep 2025 10:58	JC/MD	Ok,M
6	VSTDICC100	VX047589.D	16 Sep 2025 11:40	JC/MD	Ok,M
7	VSTDICC150	VX047590.D	16 Sep 2025 12:01	JC/MD	Ok,M
8	IBLK	VX047591.D	16 Sep 2025 12:22	JC/MD	Ok
9	VSTDICV050	VX047592.D	16 Sep 2025 13:35	JC/MD	Ok,M
10	VX0916MBL01	VX047593.D	16 Sep 2025 14:03	JC/MD	Ok
11	VX0916WBL01	VX047594.D	16 Sep 2025 14:53	JC/MD	Ok
12	VX0916WBS01	VX047595.D	16 Sep 2025 15:21	JC/MD	Ok,M
13	VX0916WBSD01	VX047596.D	16 Sep 2025 15:46	JC/MD	Ok,M
14	Q3015-01	VX047597.D	16 Sep 2025 16:07	JC/MD	Ok,M
15	VIBLK	VX047598.D	16 Sep 2025 16:30	JC/MD	Ok
16	VSTDCCC050	VX047599.D	16 Sep 2025 16:51	JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX092925

Review By	John Carlone	Review On	9/30/2025 8:28:16 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/3/2025 1:48:55 AM		
SubDirectory	VX092925	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135682
Initial Calibration Stds	
CCC	VP135683,VP135684
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047867.D	29 Sep 2025 08:29	JC/MD	Ok
2	VSTDCCC050	VX047868.D	29 Sep 2025 08:59	JC/MD	Ok,M
3	VX0929MBL01	VX047869.D	29 Sep 2025 09:27	JC/MD	Ok
4	VX0929WBL01	VX047870.D	29 Sep 2025 09:48	JC/MD	Ok
5	VX0929WBS01	VX047871.D	29 Sep 2025 10:44	JC/MD	Ok,M
6	Q3156-16	VX047872.D	29 Sep 2025 11:05	JC/MD	Ok
7	VX0929WBSD01	VX047873.D	29 Sep 2025 11:26	JC/MD	Ok,M
8	Q3156-15	VX047874.D	29 Sep 2025 11:48	JC/MD	ReRun
9	Q3156-14	VX047875.D	29 Sep 2025 12:09	JC/MD	Ok
10	Q3156-13	VX047876.D	29 Sep 2025 12:30	JC/MD	ReRun
11	Q3156-18	VX047877.D	29 Sep 2025 12:52	JC/MD	ReRun
12	Q3156-19	VX047878.D	29 Sep 2025 13:13	JC/MD	ReRun
13	Q3156-10	VX047879.D	29 Sep 2025 13:34	JC/MD	ReRun
14	Q3156-17	VX047880.D	29 Sep 2025 13:56	JC/MD	ReRun
15	Q3156-20	VX047881.D	29 Sep 2025 14:17	JC/MD	Ok
16	Q3156-21	VX047882.D	29 Sep 2025 14:38	JC/MD	Ok
17	Q3156-23	VX047883.D	29 Sep 2025 14:59	JC/MD	Ok
18	Q3213-02	VX047884.D	29 Sep 2025 15:20	JC/MD	Ok
19	Q3213-01	VX047885.D	29 Sep 2025 15:41	JC/MD	Ok
20	Q3213-03	VX047886.D	29 Sep 2025 16:02	JC/MD	Ok
21	Q3213-04	VX047887.D	29 Sep 2025 16:23	JC/MD	ReRun

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX092925

Review By	John Carlone	Review On	9/30/2025 8:28:16 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/3/2025 1:48:55 AM		
SubDirectory	VX092925	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135682
Initial Calibration Stds	
CCC	VP135683,VP135684
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3213-05	VX047888.D	29 Sep 2025 16:44	JC/MD	Ok
23	Q3213-07	VX047889.D	29 Sep 2025 17:05	JC/MD	Ok
24	Q3213-08	VX047890.D	29 Sep 2025 17:26	JC/MD	Ok
25	Q3213-09	VX047891.D	29 Sep 2025 17:46	JC/MD	Ok
26	Q3213-10	VX047892.D	29 Sep 2025 18:07	JC/MD	ReRun
27	Q3156-15	VX047893.D	29 Sep 2025 18:28	JC/MD	Ok
28	VSTDCCC050	VX047894.D	29 Sep 2025 18:49	JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX093025

Review By	John Carlone	Review On	10/1/2025 8:16:13 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/3/2025 1:49:52 AM		
SubDirectory	VX093025	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135694,VP135703
Initial Calibration Stds	
CCC	VP135695,VP135696,VP135704,VP135705
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047895.D	30 Sep 2025 08:49	JC/MD	Ok
2	VSTDCCC050	VX047896.D	30 Sep 2025 09:20	JC/MD	Ok,M
3	VX0930MBL01	VX047897.D	30 Sep 2025 09:48	JC/MD	Ok
4	VX0930WBL01	VX047898.D	30 Sep 2025 10:09	JC/MD	Ok
5	VX0930WBS01	VX047899.D	30 Sep 2025 11:06	JC/MD	Ok,M
6	Q3213-04	VX047900.D	30 Sep 2025 11:27	JC/MD	Ok
7	VX0930WBS02	VX047901.D	30 Sep 2025 11:48	JC/MD	Not Ok
8	Q3213-10	VX047902.D	30 Sep 2025 12:09	JC/MD	Ok
9	Q3156-13	VX047903.D	30 Sep 2025 12:30	JC/MD	Ok,M
10	Q3156-18	VX047904.D	30 Sep 2025 12:51	JC/MD	Ok
11	Q3156-19	VX047905.D	30 Sep 2025 13:12	JC/MD	Ok
12	Q3156-10	VX047906.D	30 Sep 2025 13:33	JC/MD	Ok
13	Q3156-17	VX047907.D	30 Sep 2025 13:54	JC/MD	Ok,M
14	VX0930WBSD01	VX047908.D	30 Sep 2025 14:15	JC/MD	Ok,M
15	Q3193-05	VX047909.D	30 Sep 2025 14:37	JC/MD	Dilution
16	Q3193-06	VX047910.D	30 Sep 2025 14:58	JC/MD	Dilution
17	Q3193-07	VX047911.D	30 Sep 2025 15:19	JC/MD	ReRun
18	Q3193-08	VX047912.D	30 Sep 2025 15:40	JC/MD	Not Ok
19	Q3193-09	VX047913.D	30 Sep 2025 16:00	JC/MD	Ok
20	Q3193-10	VX047914.D	30 Sep 2025 16:21	JC/MD	Ok
21	Q3193-11	VX047915.D	30 Sep 2025 16:42	JC/MD	Ok

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX093025

Review By	John Carlone	Review On	10/1/2025 8:16:13 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/3/2025 1:49:52 AM		
SubDirectory	VX093025	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135694,VP135703
Initial Calibration Stds	
CCC	VP135695,VP135696,VP135704,VP135705
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3193-12	VX047916.D	30 Sep 2025 17:03	JC/MD	Ok
23	Q3193-13	VX047917.D	30 Sep 2025 17:24	JC/MD	Ok
24	Q3193-14	VX047918.D	30 Sep 2025 17:45	JC/MD	Ok
25	Q3193-15	VX047919.D	30 Sep 2025 18:06	JC/MD	Ok
26	Q3193-16	VX047920.D	30 Sep 2025 18:27	JC/MD	Ok,M
27	Q3193-17	VX047921.D	30 Sep 2025 18:48	JC/MD	Dilution
28	Q3193-04	VX047922.D	30 Sep 2025 19:09	JC/MD	ReRun
29	VSTDCCC050	VX047923.D	30 Sep 2025 19:30	JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX091625

Review By	John Carlone	Review On	9/17/2025 8:27:00 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/18/2025 3:22:52 PM		
SubDirectory	VX091625	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135487
Initial Calibration Stds	VP135489,VP135490,VP135491,VP135492,VP135493,VP135494
CCC	VP135488
Internal Standard/PEM	
ICV/I.BLK	VP135495
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX047584.D	16 Sep 2025 08:56		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX047585.D	16 Sep 2025 09:23		JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX047586.D	16 Sep 2025 10:16	QR-58	JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX047587.D	16 Sep 2025 10:37		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX047588.D	16 Sep 2025 10:58		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX047589.D	16 Sep 2025 11:40		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX047590.D	16 Sep 2025 12:01		JC/MD	Ok,M
8	IBLK	IBLK	VX047591.D	16 Sep 2025 12:22		JC/MD	Ok
9	VSTDICV050	ICVVX091625	VX047592.D	16 Sep 2025 13:35		JC/MD	Ok,M
10	VX0916MBL01	VX0916MBL01	VX047593.D	16 Sep 2025 14:03		JC/MD	Ok
11	VX0916WBL01	VX0916WBL01	VX047594.D	16 Sep 2025 14:53		JC/MD	Ok
12	VX0916WBS01	VX0916WBS01	VX047595.D	16 Sep 2025 15:21		JC/MD	Ok,M
13	VX0916WBSD01	VX0916WBSD01	VX047596.D	16 Sep 2025 15:46		JC/MD	Ok,M
14	Q3015-01	WP0925-PT-VOA-WP	VX047597.D	16 Sep 2025 16:07		JC/MD	Ok,M
15	VIBLK	VIBLK	VX047598.D	16 Sep 2025 16:30		JC/MD	Ok
16	VSTDCCC050	VSTDCCC050EC	VX047599.D	16 Sep 2025 16:51		JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX092925

Review By	John Carlone	Review On	9/30/2025 8:28:16 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/3/2025 1:48:55 AM		
SubDirectory	VX092925	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135682
Initial Calibration Stds	
CCC	VP135683,VP135684
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	VX047867.D	29 Sep 2025 08:29		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX047868.D	29 Sep 2025 08:59	pH#Lot#V12668	JC/MD	Ok,M
3	VX0929MBL01	VX0929MBL01	VX047869.D	29 Sep 2025 09:27		JC/MD	Ok
4	VX0929WBL01	VX0929WBL01	VX047870.D	29 Sep 2025 09:48		JC/MD	Ok
5	VX0929WBS01	VX0929WBS01	VX047871.D	29 Sep 2025 10:44		JC/MD	Ok,M
6	Q3156-16	RW9-MW01D1-202509	VX047872.D	29 Sep 2025 11:05	vial A pH<2	JC/MD	Ok
7	VX0929WBSD01	VX0929WBSD01	VX047873.D	29 Sep 2025 11:26		JC/MD	Ok,M
8	Q3156-15	TB03-20250912	VX047874.D	29 Sep 2025 11:48	vial A pH<2 TB;Surrogate Fail	JC/MD	ReRun
9	Q3156-14	EB03-20250918	VX047875.D	29 Sep 2025 12:09	vial B pH<2 EB	JC/MD	Ok
10	Q3156-13	EB02-20250918	VX047876.D	29 Sep 2025 12:30	vial A pH<2 EB;Hit of Com.#16	JC/MD	ReRun
11	Q3156-18	RW9-MW01S-2025091	VX047877.D	29 Sep 2025 12:52	vial A pH<2 Surrogate Fail	JC/MD	ReRun
12	Q3156-19	TT191D1-20250918	VX047878.D	29 Sep 2025 13:13	vial A pH<2 Surrogate Fail	JC/MD	ReRun
13	Q3156-10	TT180D1-20250918	VX047879.D	29 Sep 2025 13:34	vial A pH<2 Surrogate Fail	JC/MD	ReRun
14	Q3156-17	TT191D2-20250918	VX047880.D	29 Sep 2025 13:56	vial A pH<2 Surrogate Fail	JC/MD	ReRun
15	Q3156-20	DUP09-20250918	VX047881.D	29 Sep 2025 14:17	vial A pH<2	JC/MD	Ok
16	Q3156-21	RW9-MW01D3-202509	VX047882.D	29 Sep 2025 14:38	vial A pH<2	JC/MD	Ok
17	Q3156-23	RW9-MW01D2-202509	VX047883.D	29 Sep 2025 14:59	vial A pH<2	JC/MD	Ok
18	Q3213-02	VPB184-HYD-2025092	VX047884.D	29 Sep 2025 15:20	vial A pH<2	JC/MD	Ok

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX092925

Review By	John Carlone	Review On	9/30/2025 8:28:16 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/3/2025 1:48:55 AM		
SubDirectory	VX092925	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135682
Initial Calibration Stds	
CCC	VP135683,VP135684
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q3213-01	BP-VPB-184-TB-20250	VX047885.D	29 Sep 2025 15:41	vial A pH<2 TB	JC/MD	Ok
20	Q3213-03	BP-VPB-184-GW-340-3	VX047886.D	29 Sep 2025 16:02	vial A pH<2	JC/MD	Ok
21	Q3213-04	BP-VPB-184-GW-360-3	VX047887.D	29 Sep 2025 16:23	vial A pH<2 Surrogate Fail	JC/MD	ReRun
22	Q3213-05	BP-VPB-184-GW-380-3	VX047888.D	29 Sep 2025 16:44	vial A pH<2	JC/MD	Ok
23	Q3213-07	BP-VPB-184-GW-400-4	VX047889.D	29 Sep 2025 17:05	vial A pH<2	JC/MD	Ok
24	Q3213-08	BP-VPB-184-GW-420-4	VX047890.D	29 Sep 2025 17:26	vial A pH<2	JC/MD	Ok
25	Q3213-09	BP-VPB-184-GW-440-4	VX047891.D	29 Sep 2025 17:46	vial A pH<2	JC/MD	Ok
26	Q3213-10	BP-VPB-184-EB-20250	VX047892.D	29 Sep 2025 18:07	vial A pH<2 EB;Hit of Com.#16,17,25	JC/MD	ReRun
27	Q3156-15	TB03-20250912	VX047893.D	29 Sep 2025 18:28	vial B pH<2 TB	JC/MD	Ok
28	VSTDCCC050	VSTDCCC050EC	VX047894.D	29 Sep 2025 18:49		JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX093025

Review By	John Carlone	Review On	10/1/2025 8:16:13 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/3/2025 1:49:52 AM		
SubDirectory	VX093025	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135694,VP135703
Initial Calibration Stds	
CCC	VP135695,VP135696,VP135704,VP135705
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	VX047895.D	30 Sep 2025 08:49		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX047896.D	30 Sep 2025 09:20	pH#Lot#V12668	JC/MD	Ok,M
3	VX0930MBL01	VX0930MBL01	VX047897.D	30 Sep 2025 09:48		JC/MD	Ok
4	VX0930WBL01	VX0930WBL01	VX047898.D	30 Sep 2025 10:09		JC/MD	Ok
5	VX0930WBS01	VX0930WBS01	VX047899.D	30 Sep 2025 11:06		JC/MD	Ok,M
6	Q3213-04	BP-VPB-184-GW-360-3	VX047900.D	30 Sep 2025 11:27	vial B pH<2	JC/MD	Ok
7	VX0930WBS02	VX0930WBS02	VX047901.D	30 Sep 2025 11:48	Recovery fail	JC/MD	Not Ok
8	Q3213-10	BP-VPB-184-EB-20250	VX047902.D	30 Sep 2025 12:09	vial B pH<2 EB	JC/MD	Ok
9	Q3156-13	EB02-20250918	VX047903.D	30 Sep 2025 12:30	vial B pH<2 EB	JC/MD	Ok,M
10	Q3156-18	RW9-MW01S-2025091	VX047904.D	30 Sep 2025 12:51	vial B pH<2	JC/MD	Ok
11	Q3156-19	TT191D1-20250918	VX047905.D	30 Sep 2025 13:12	vial B pH<2	JC/MD	Ok
12	Q3156-10	TT180D1-20250918	VX047906.D	30 Sep 2025 13:33	vial B pH<2	JC/MD	Ok
13	Q3156-17	TT191D2-20250918	VX047907.D	30 Sep 2025 13:54	vial B pH<2	JC/MD	Ok,M
14	VX0930WBSD01	VX0930WBSD01	VX047908.D	30 Sep 2025 14:15		JC/MD	Ok,M
15	Q3193-05	RE137-20250922	VX047909.D	30 Sep 2025 14:37	vial A pH<2 Need 10X	JC/MD	Dilution
16	Q3193-06	RW4-20250922	VX047910.D	30 Sep 2025 14:58	vial A pH<2 Need 5X	JC/MD	Dilution
17	Q3193-07	GM38-RW3-MW1-2025	VX047911.D	30 Sep 2025 15:19	vial A pH<2 E flag of previous sample	JC/MD	ReRun

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX093025

Review By	John Carlone	Review On	10/1/2025 8:16:13 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/3/2025 1:49:52 AM		
SubDirectory	VX093025	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135694,VP135703
Initial Calibration Stds	
CCC	VP135695,VP135696,VP135704,VP135705
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q3193-08	TT20551-20250923	VX047912.D	30 Sep 2025 15:40	vial A pH<2 Confirm concentration	JC/MD	Not Ok
19	Q3193-09	RW10A-MW01I-202509	VX047913.D	30 Sep 2025 16:00	vial A pH<2	JC/MD	Ok
20	Q3193-10	RW8-MW01S-2025092	VX047914.D	30 Sep 2025 16:21	vial A pH<2	JC/MD	Ok
21	Q3193-11	TT172S1-20250923	VX047915.D	30 Sep 2025 16:42	vial A pH<2	JC/MD	Ok
22	Q3193-12	DUP12-20250923	VX047916.D	30 Sep 2025 17:03	vial A pH<2	JC/MD	Ok
23	Q3193-13	RW10A-MW01S-20250	VX047917.D	30 Sep 2025 17:24	vial A pH<2	JC/MD	Ok
24	Q3193-14	RW8-MW01D1-202509	VX047918.D	30 Sep 2025 17:45	vial A pH<2	JC/MD	Ok
25	Q3193-15	DUP11-20250923	VX047919.D	30 Sep 2025 18:06	vial A pH<2	JC/MD	Ok
26	Q3193-16	TT161S1-20250923	VX047920.D	30 Sep 2025 18:27	vial A pH<2	JC/MD	Ok,M
27	Q3193-17	RE103D1-20250923	VX047921.D	30 Sep 2025 18:48	vial A pH<2 Need 10X	JC/MD	Dilution
28	Q3193-04	TT149S1-20250922	VX047922.D	30 Sep 2025 19:09	vial A pH<2 E flag of previous sample	JC/MD	ReRun
29	VSTDCCC050	VSTDCCC050EC	VX047923.D	30 Sep 2025 19:30		JC/MD	Ok,M

M : Manual Integration

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

Prep Standard - Chemical Standard Summary

Order ID : Q3213

Test : VOC-TCLVOA-10

Prepbatch ID :

Sequence ID/Qc Batch ID: VX092925,vx093025,

Standard ID :
VP134142,VP134149,VP134933,VP134956,VP134957,VP135480,VP135552,VP135682,VP135683,VP135684,VP135694,VP135695,VP135696,VP135703,VP135704,VP135705,

Chemical ID :
V13391,V14200,V14204,V14205,V14290,V14509,V14510,V14531,V14532,V14625,V14626,V14636,V14637,V14638,V14639,V14668,V14671,V14673,V14675,V14727,V14728,V14803,V14815,V14844,V14906,V14928,V14929,V14951,V14952,V15066,V15067,V15068,W3112,

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
719	8260 Working STD (BCM)-First source, 400PPM	VP134142	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/10/2025

FROM 1.00000ml of V14668 + 1.00000ml of V14671 + 1.00000ml of V14673 + 1.00000ml of V14675 + 16.00000ml of V14929 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	VP134149	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/10/2025

FROM 1.00000ml of V14636 + 1.00000ml of V14637 + 1.00000ml of V14638 + 1.00000ml of V14639 + 46.00000ml of V14929 = Final Quantity: 50.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
617	8260 Surrogate, 400PPM	VP134933	07/29/2025	01/29/2026	Semsettin Yesilyurt	None	None	Mahesh Dadoda 08/19/2025

FROM 0.40000ml of V14906 + 24.60000ml of V14625 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
247	8260 Internal Standard, 250PPM	VP134956	08/01/2025	11/09/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 08/06/2025

FROM 0.25000ml of V14290 + 24.75000ml of V14626 = Final Quantity: 25.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP134957	08/01/2025	11/22/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 08/06/2025

FROM 0.50000ml of V13391 + 49.50000ml of V14625 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP135480	09/16/2025	10/15/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 09/19/2025

FROM 1.00000ml of V15066 + 1.50000ml of V15067 + 1.50000ml of V15068 + 21.00000ml of V14625 = Final Quantity: 25.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
257	8260 Calibration Working STD Mix-First source, 160PPM	VP135552	09/22/2025	11/03/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 09/26/2025

FROM 0.40000ml of V14844 + 1.00000ml of V14200 + 1.00000ml of V14509 + 1.00000ml of V14510 + 1.00000ml of V14531 + 1.00000ml of V14532 + 1.00000ml of V14727 + 1.00000ml of V14728 + 1.00000ml of V14803 + 1.00000ml of V14815 + 1.00000ml of V14951 + 1.00000ml of V14952 + 1.50000ml of V14204 + 1.50000ml of V14205 + 10.60000ml of V14928 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP135682	09/29/2025	09/30/2025	John Carlone	None	None	Mahesh Dadoda 10/02/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP134957 = Final Quantity: 40.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP135683	09/29/2025	09/30/2025	John Carlone	None	None	Mahesh Dadoda 10/02/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135480 + 0.01250ml of VP135552 = 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	VP135684	09/29/2025	09/30/2025	John Carlone	None	None	Mahesh Dadoda 10/02/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135480 + 0.01250ml of VP135552 = Final Quantity: 40.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP135694	09/30/2025	10/01/2025	John Carlone	None	None	Mahesh Dadoda 10/02/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP134957 = 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	VP135695	09/30/2025	10/01/2025	John Carlone	None	None	Mahesh Dadoda 10/02/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135480 + 0.01250ml of VP135552 = Final Quantity: 40.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP135696	09/30/2025	10/01/2025	John Carlone	None	None	Mahesh Dadoda 10/02/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135480 + 0.01250ml of VP135552 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP135703	09/30/2025	10/01/2025	John Carlone	None	None	Mahesh Dadoda 10/02/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP134957 = Final Quantity: 40.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP135704	09/30/2025	10/01/2025	John Carlone	None	None	Mahesh Dadoda 10/02/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135480 + 0.01250ml of VP135552 = 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	VP135705	09/30/2025	10/01/2025	John Carlone	None	None	Mahesh Dadoda 10/02/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135480 + 0.01250ml of VP135552 = Final Quantity: 40.000 ml

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	03/22/2026	09/22/2025 / sam	02/28/2024 / SAM	V14200

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	03/22/2026	09/22/2025 / sam	02/28/2024 / SAM	V14204

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	03/22/2026	09/22/2025 / sam	02/28/2024 / SAM	V14205

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	12/12/2025	12/12/2024 / SAM	04/15/2024 / SAM	V14290

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	03/22/2026	09/22/2025 / sam	09/17/2024 / SAM	V14509

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	03/22/2026	09/22/2025 / sam	09/17/2024 / SAM	V14510

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	03/22/2026	09/22/2025 / sam	09/18/2024 / SAM	V14531

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	03/22/2026	09/22/2025 / sam	09/18/2024 / SAM	V14532

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	01/29/2026	07/29/2025 / SAM	11/26/2024 / SAM	V14625

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	11/09/2025	05/09/2025 / SAM	11/26/2024 / SAM	V14626

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14636

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14637

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14638

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14639

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	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14668

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	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14671

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	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14673

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14675

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	03/22/2026	09/22/2025 / sam	12/17/2024 / SAM	V14727

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	03/22/2026	09/22/2025 / sam	12/17/2024 / SAM	V14728

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	03/22/2026	09/22/2025 / sam	01/08/2025 / SAM	V14803

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	03/22/2026	09/22/2025 / sam	01/08/2025 / SAM	V14815

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	A0217535	03/22/2026	09/22/2025 / sam	01/21/2025 / SAM	V14844

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0223904	07/29/2026	07/29/2025 / SAM	03/24/2025 / SAM	V14906

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)	24G0262002	03/22/2026	09/22/2025 / sam	05/09/2025 / SAM	V14928

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)	24G0262002	12/06/2025	06/06/2025 / SAM	05/09/2025 / SAM	V14929

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	A0222076	03/22/2026	09/22/2025 / sam	05/19/2025 / SAM	V14951

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	A0222076	03/22/2026	09/22/2025 / sam	05/19/2025 / SAM	V14952

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	091525	10/15/2025	09/16/2025 / sam	09/16/2025 / sam	V15066

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	091525	10/15/2025	09/16/2025 / sam	09/16/2025 / sam	V15067

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	091525	10/15/2025	09/16/2025 / sam	09/16/2025 / sam	V15068

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

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

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	(0466)	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)	IK18CAS0000	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	(0381)	06128PX	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 846mg/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	40017.6	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 (45mg/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	1999.8	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	1999.8	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 8040mg/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

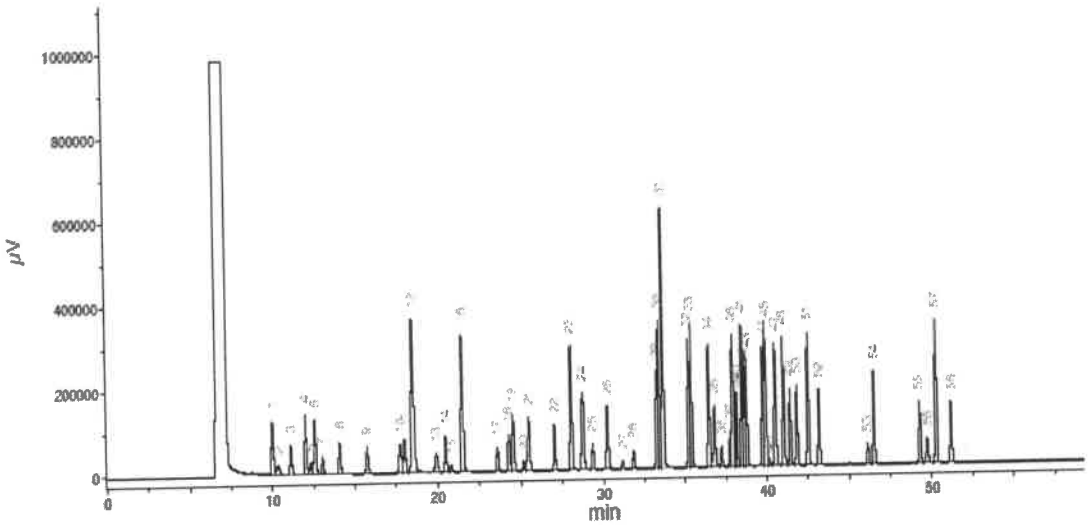
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening 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).

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-1,2,3-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	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	19.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.07
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.34
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.33
33	Styrene	35.50
34	Isopropylbenzene/Bromoform	35.48
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	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
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	41.12
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.46
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, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

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	(0466)	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)	IK18CAS0000	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	(0381)	06128PX	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 846mg/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	40017.6	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 (45mg/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	1999.8	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	1999.8	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 8040mg/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

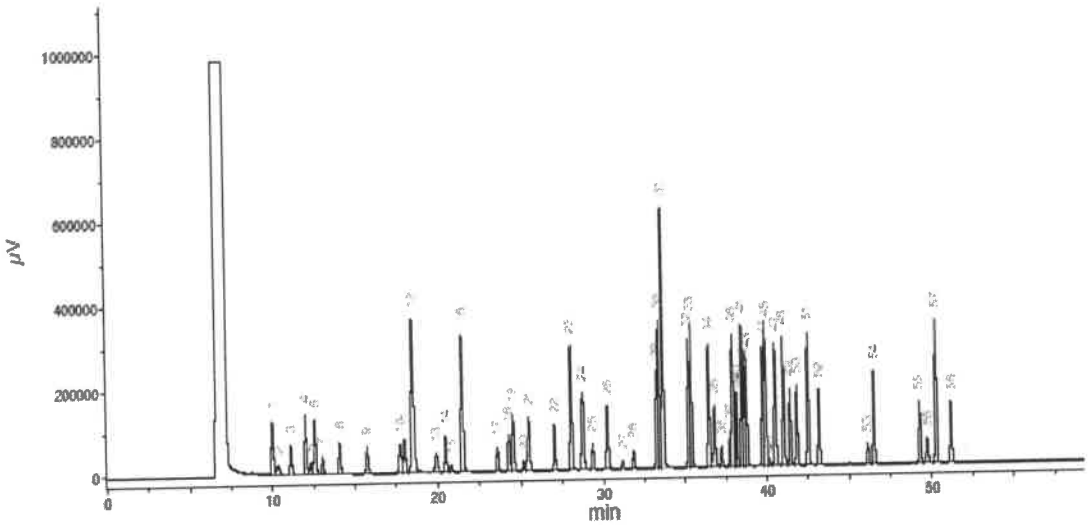
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening 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).

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-1,2,3-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	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	19.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.07
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.34
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.33
33	Styrene	35.50
34	Isopropylbenzene/Bromoform	35.48
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	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
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	41.12
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.46
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, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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

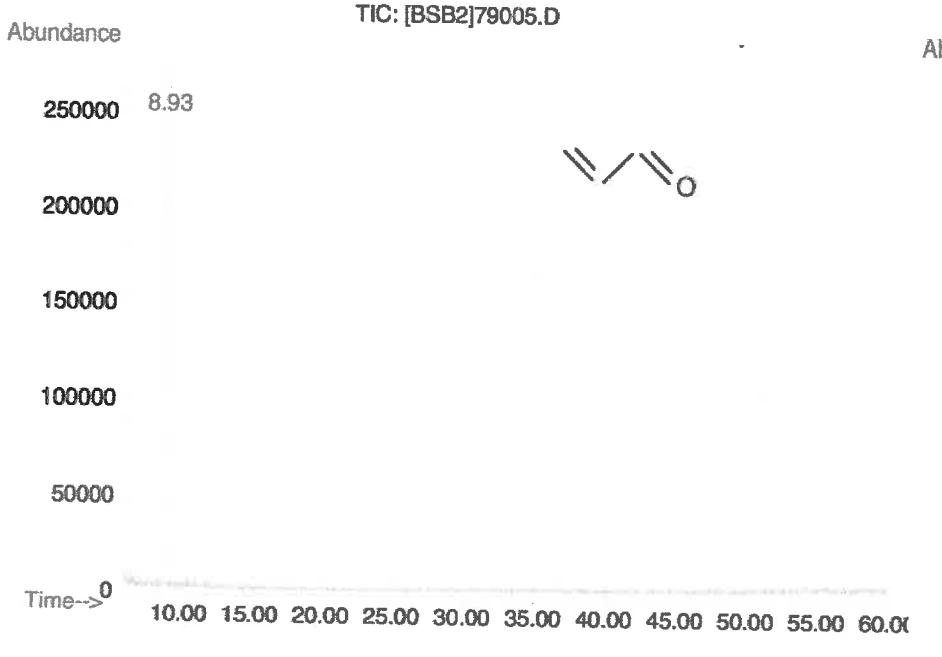
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

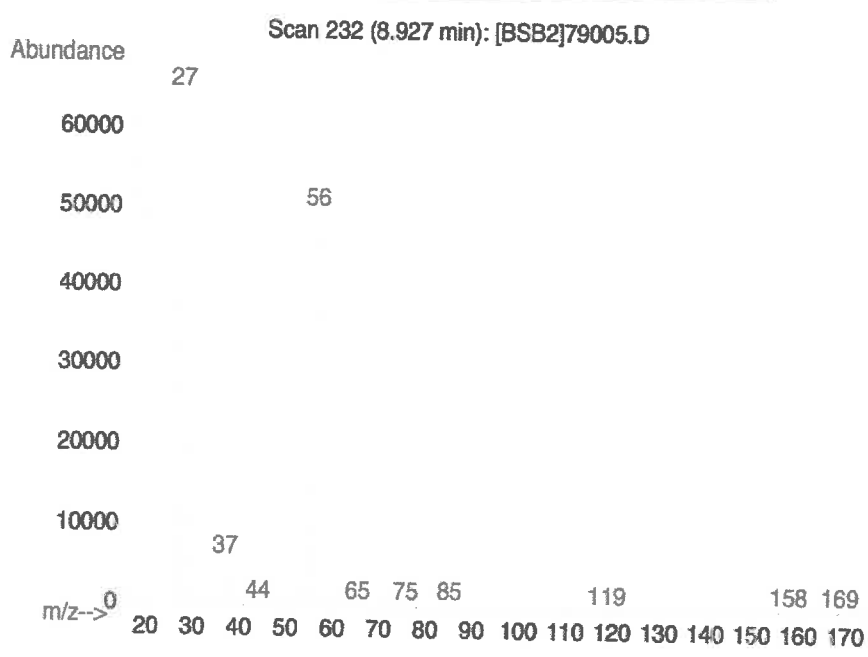
Formulated By: Justin Dippold 091424 DATE

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.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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

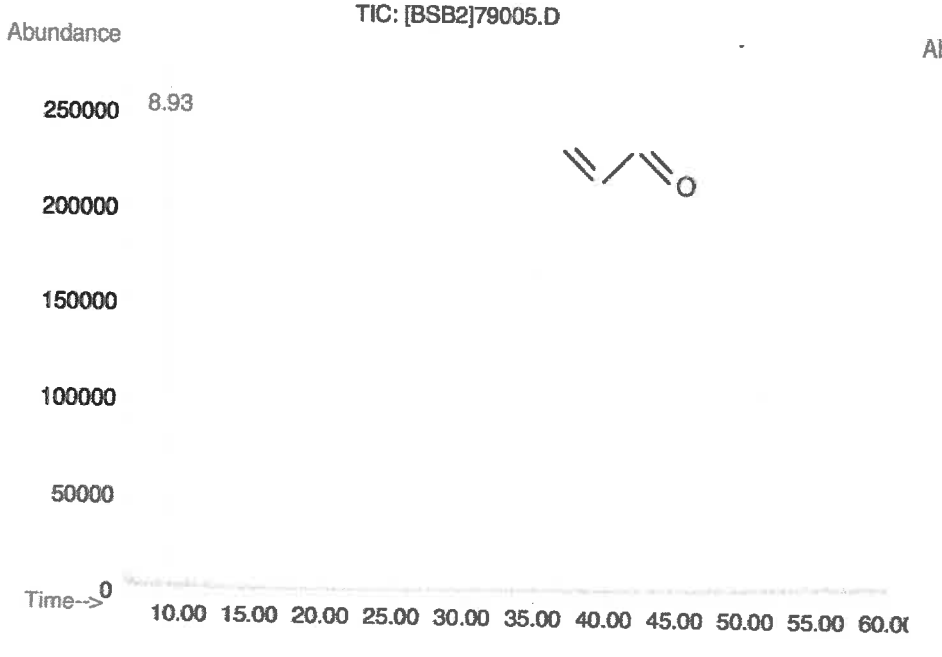
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

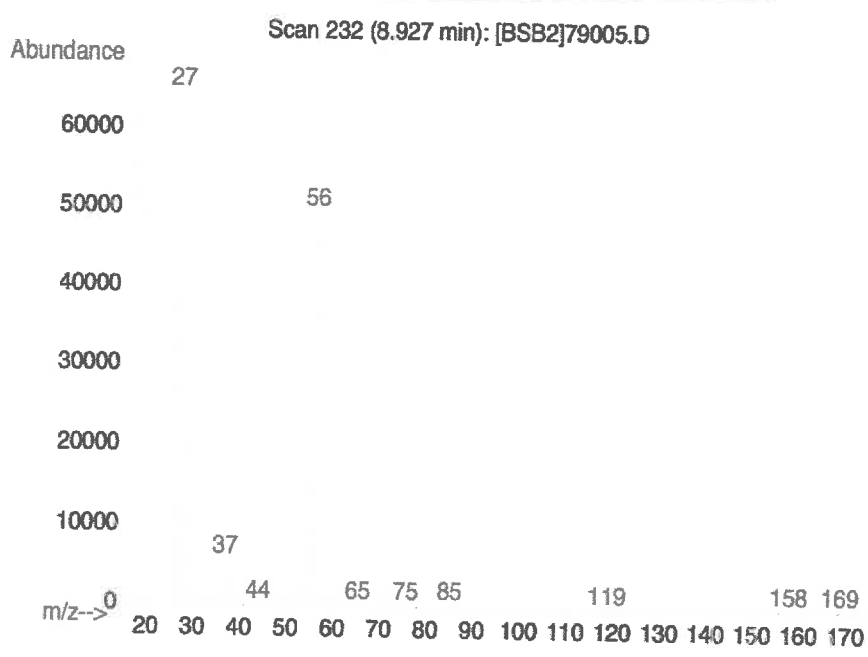
Formulated By: Justin Dippold 091424 DATE

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.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

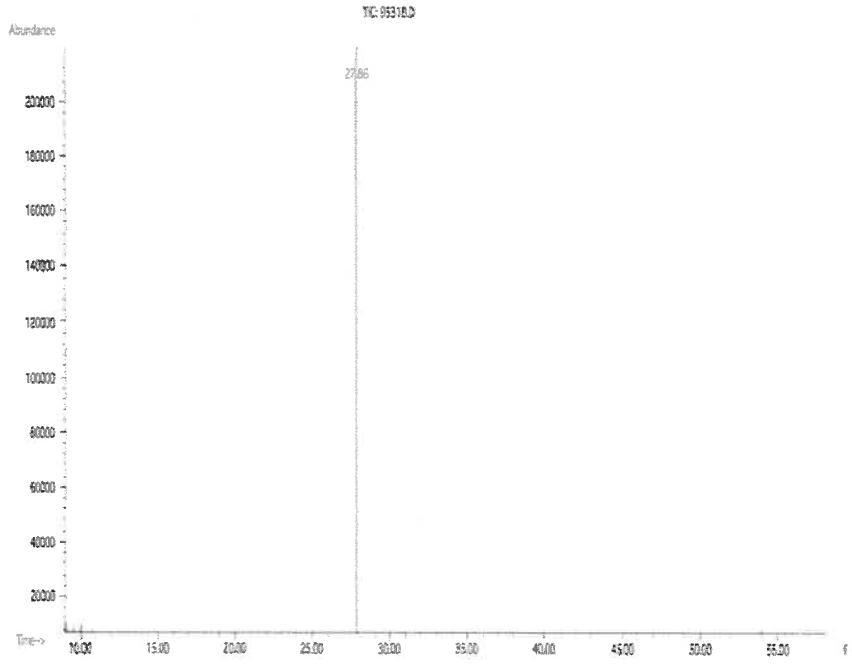
V14630 to V14649

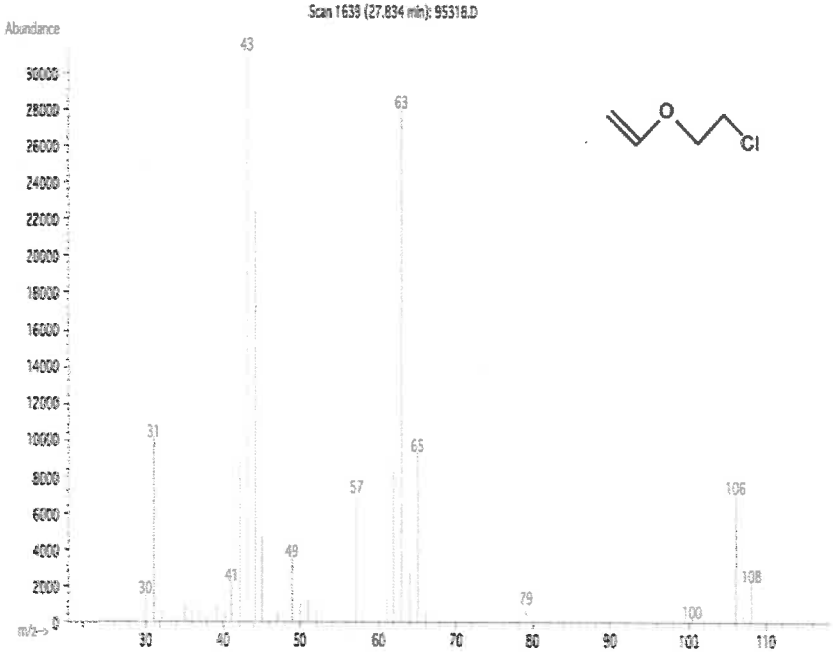
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524
Formulated By: Prashant Chauhan	DATE
Pedro L. Rentas	120524
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

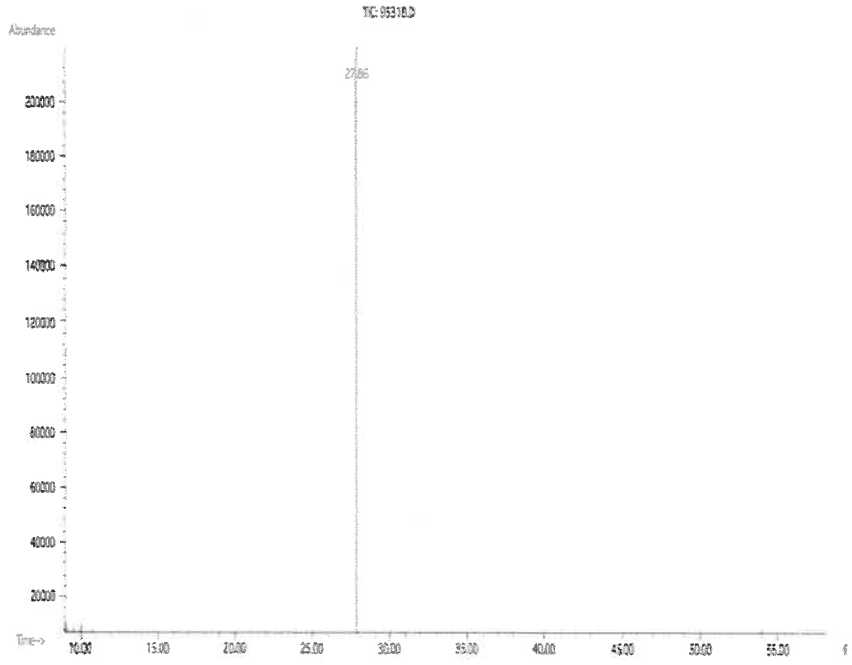
V14630 to V14649

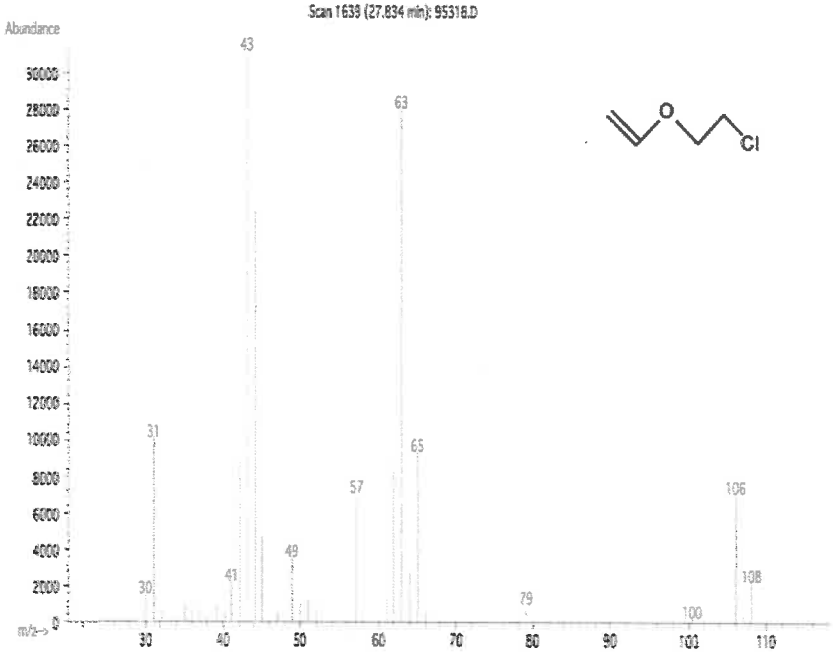
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524
Formulated By: Prashant Chauhan	DATE
Pedro L. Rentas	120524
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

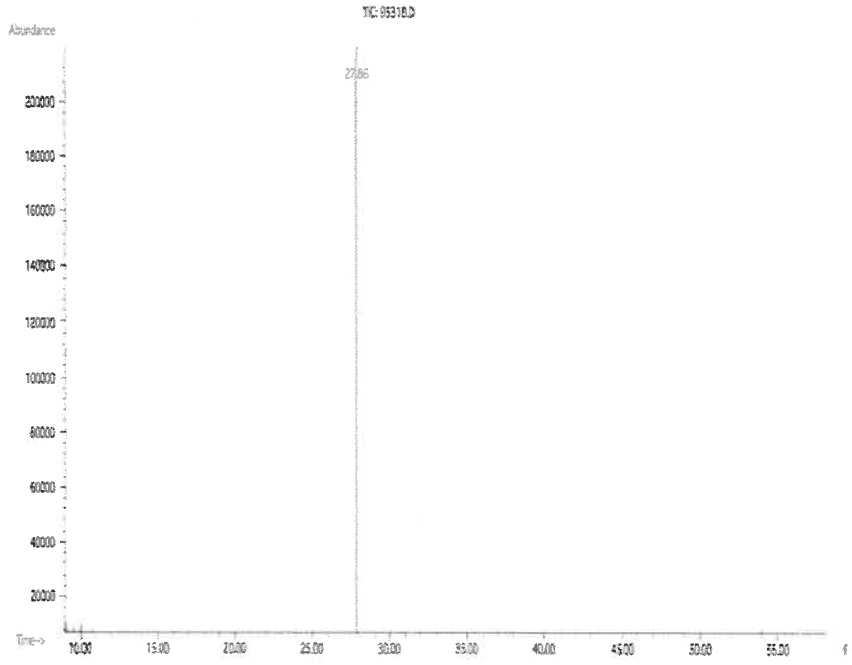
V14630 to V14649

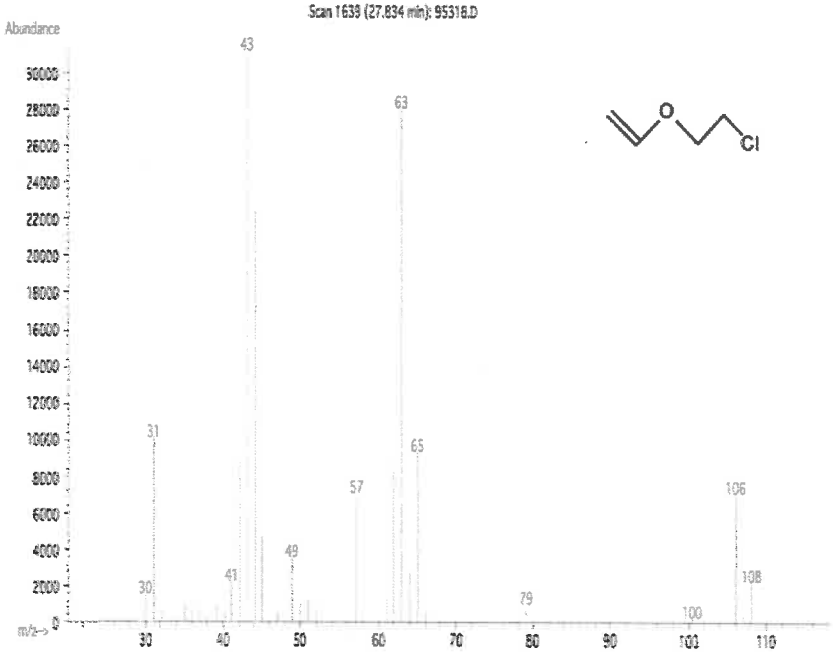
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524
Formulated By: Prashant Chauhan	DATE
Pedro L. Rentas	120524
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

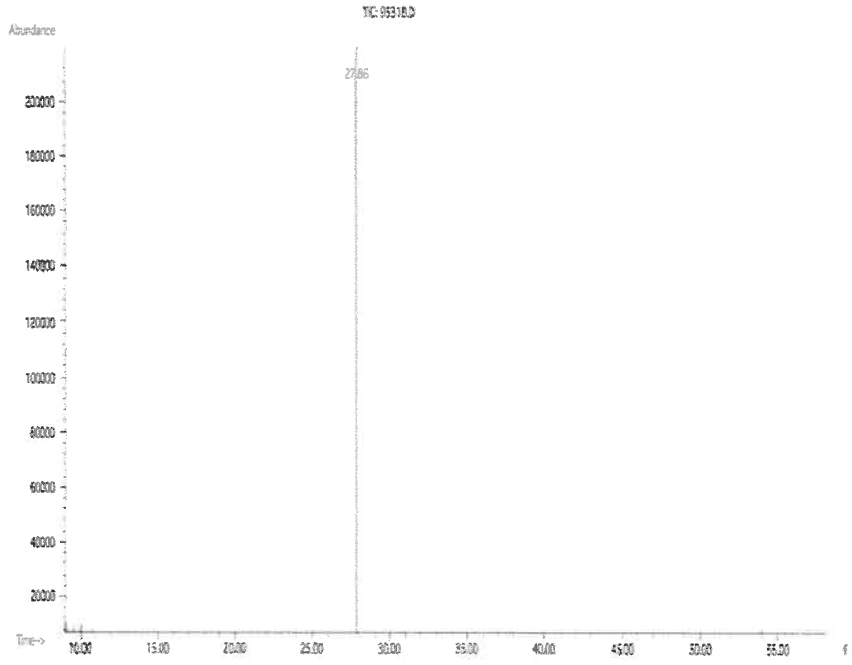
V14630 to V14649

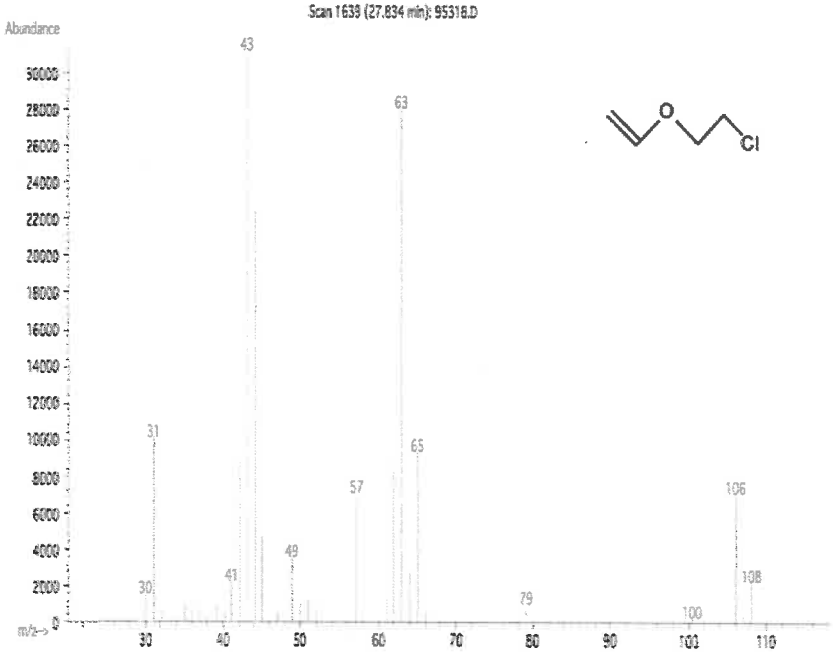
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524
Formulated By: Prashant Chauhan	DATE
Pedro L. Rentas	120524
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

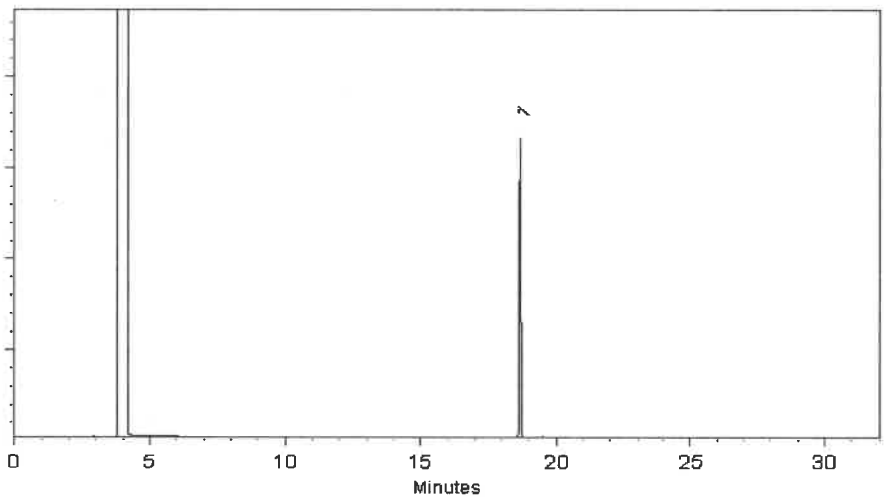
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I **Date Mixed:** 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 21-Nov-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

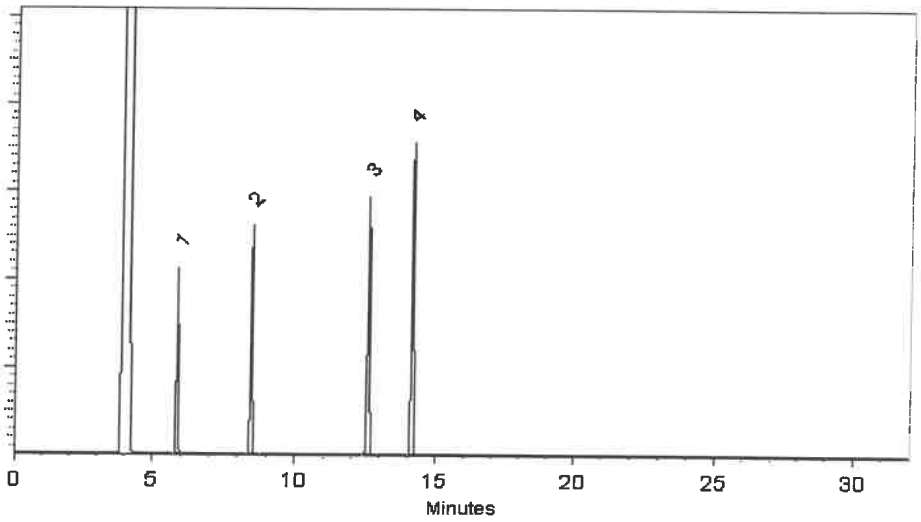
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

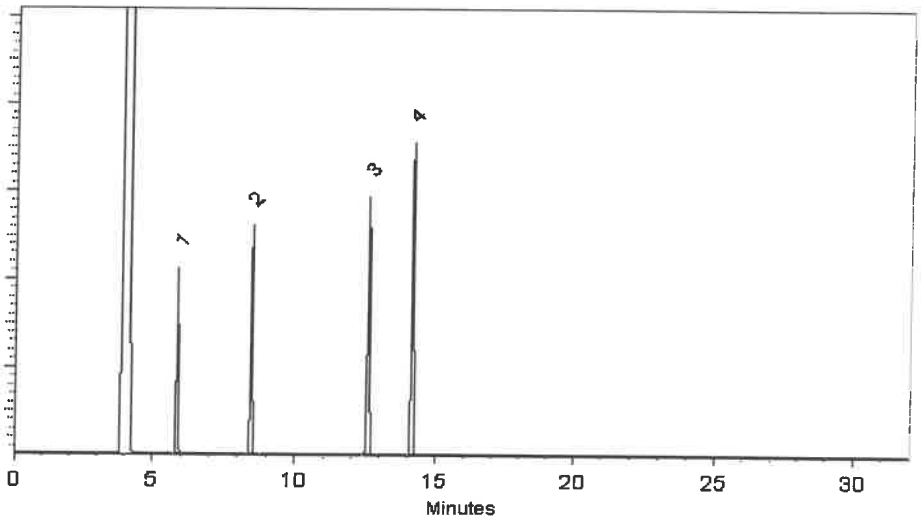
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

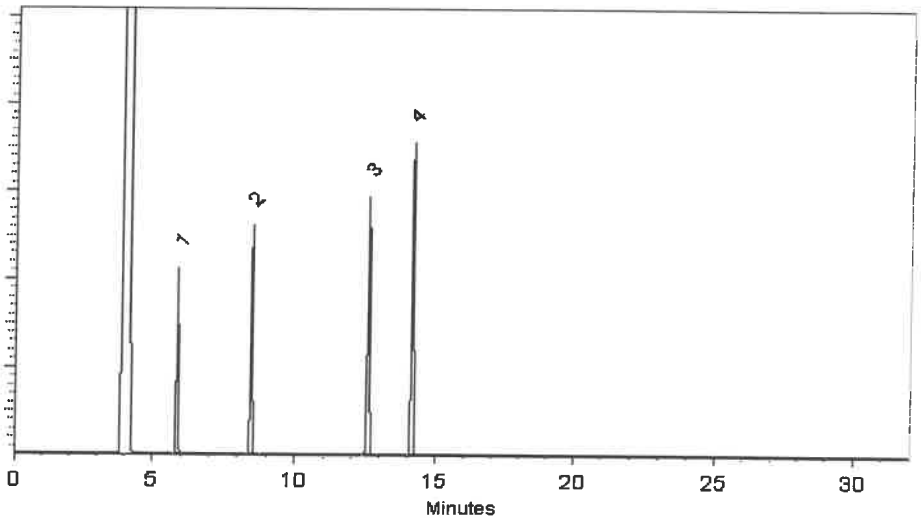
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

10 vial.

CERTIFIED REFERENCE MATERIAL

Dec: 12/09/24

Certificate of Analysis

chromatographic plus

V14667 to
V14676

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0214960

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 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	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* 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.)

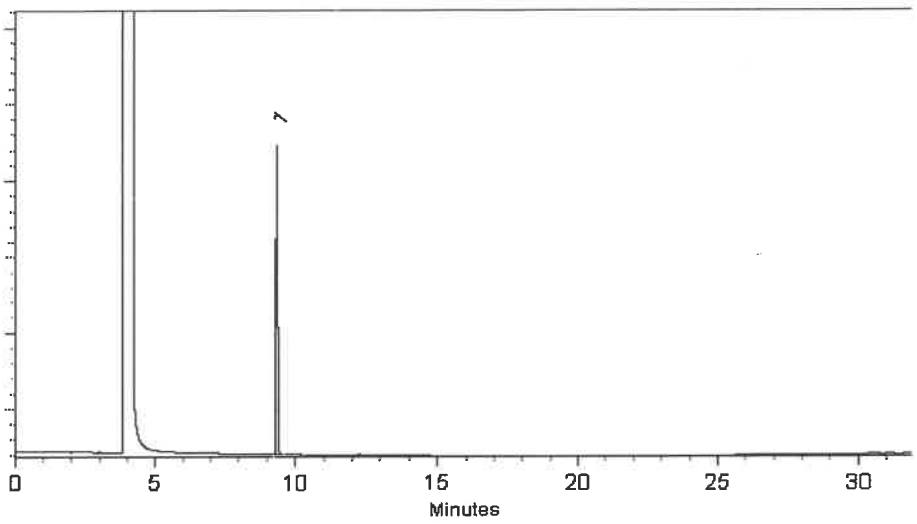
Inj. Temp:
200°C

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.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

10 vial.

CERTIFIED REFERENCE MATERIAL

Dec: 12/09/24

Certificate of Analysis

chromatographic plus

V14667 to
V14676

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0214960

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 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	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* 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.)

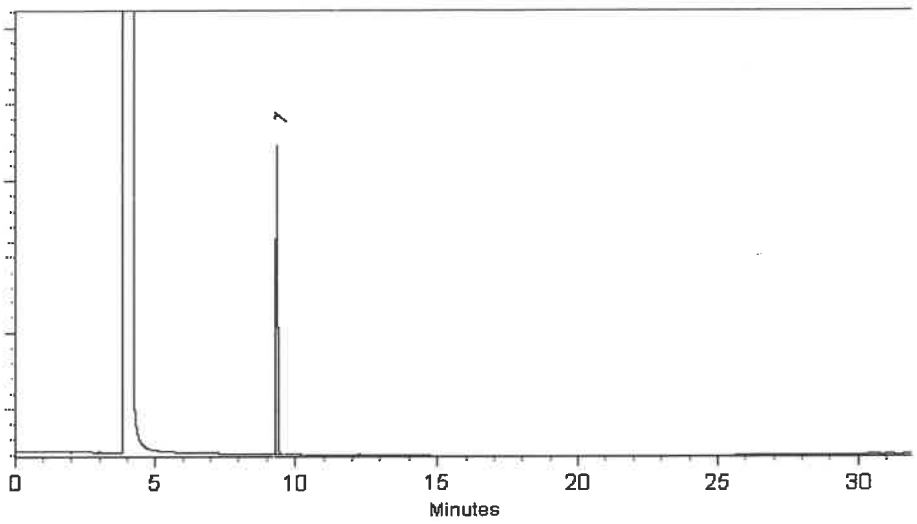
Inj. Temp:
200°C

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.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

10 vial.

CERTIFIED REFERENCE MATERIAL

Dec: 12/09/24

Certificate of Analysis

chromatographic plus

V14667 to
V14676

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0214960

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 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	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* 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.)

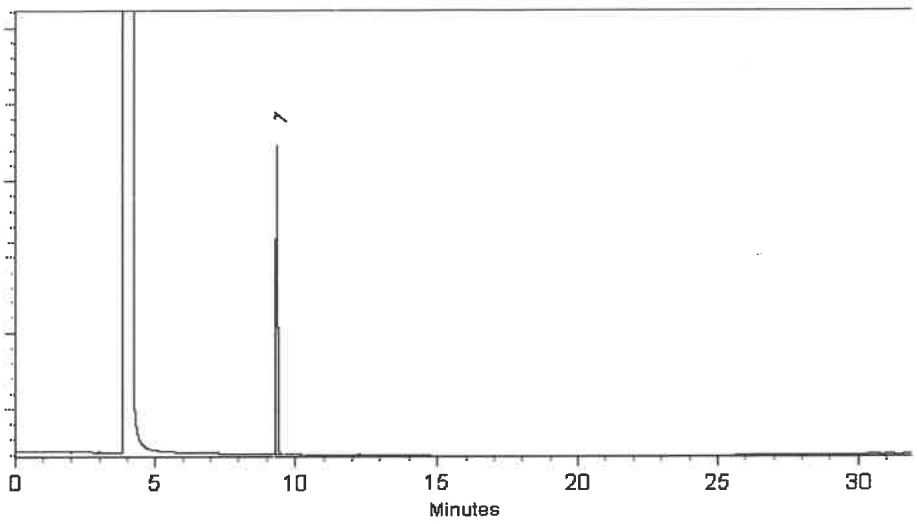
Inj. Temp:
200°C

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.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

10 vial.

CERTIFIED REFERENCE MATERIAL

Dec: 12/09/24

Certificate of Analysis

chromatographic plus

V14667 to
V14676

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0214960

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 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	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* 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.)

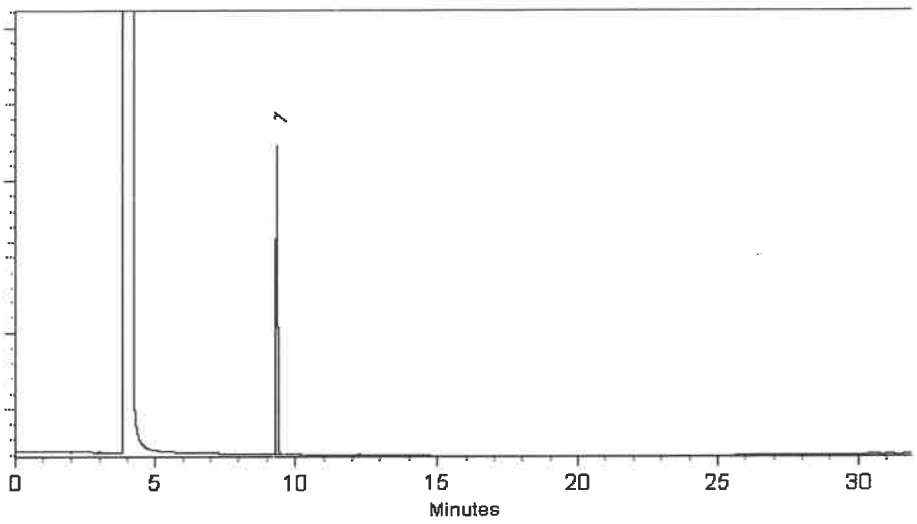
Inj. Temp:
200°C

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.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to
V14756

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** 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.

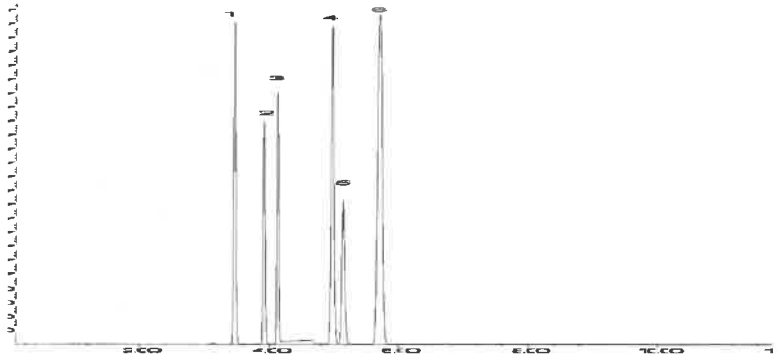
Inj. Temp:
200°C

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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to
V14756

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** 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.

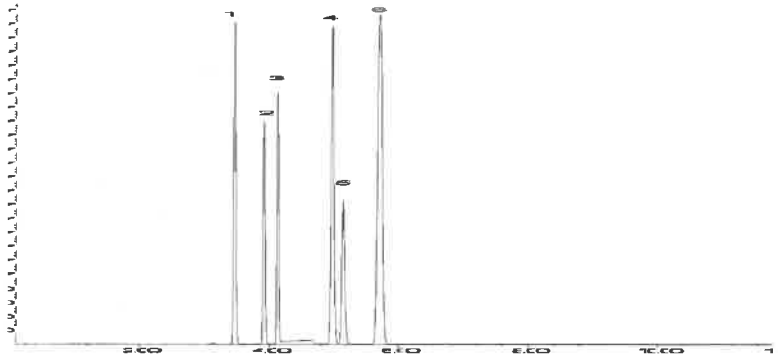
Inj. Temp:
200°C

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.

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

J14842 to 14846

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0217535

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 : October 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	tert-Butanol (TBA)	75-65-0	SHBQ8002-1	99%	50,007.5 µg/mL	+/- 717.6137

* 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.)

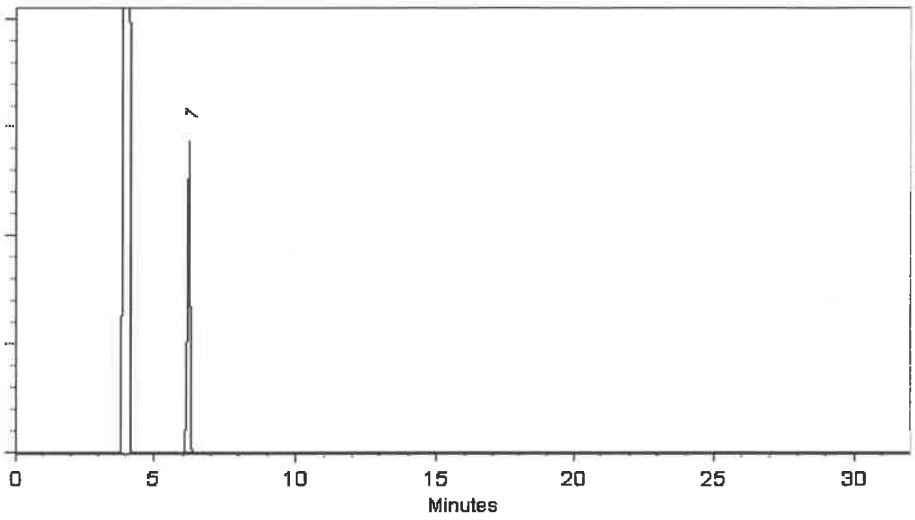
Inj. Temp:
200°C

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.

Aaron Enyart - Operations Tech I

Date Mixed: 07-Oct-2024 **Balance Serial #** B251644995

Brittany Federinko - Operations Tech I

Date Passed: 09-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.

Zoviny Rec 01/08/21

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

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.)

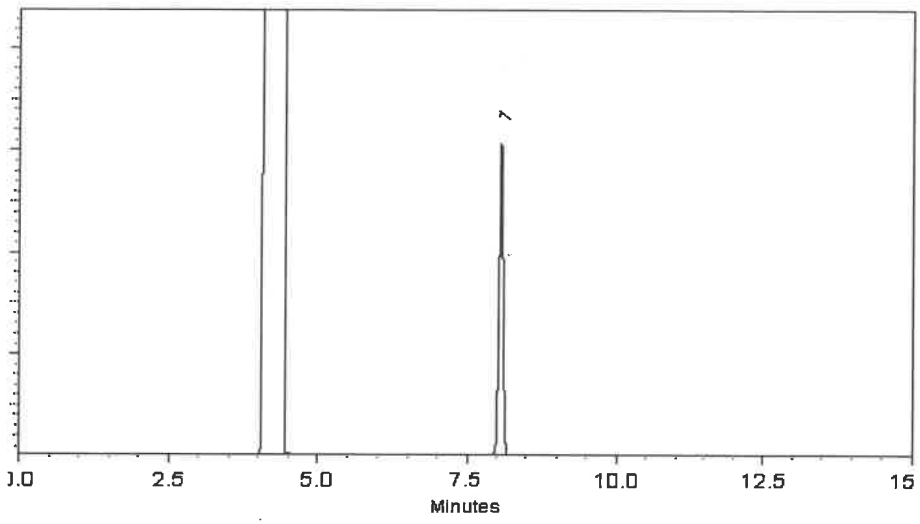
Inj. Temp:
200°C

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.

Zoviny Rec 01/08/21

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

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.)

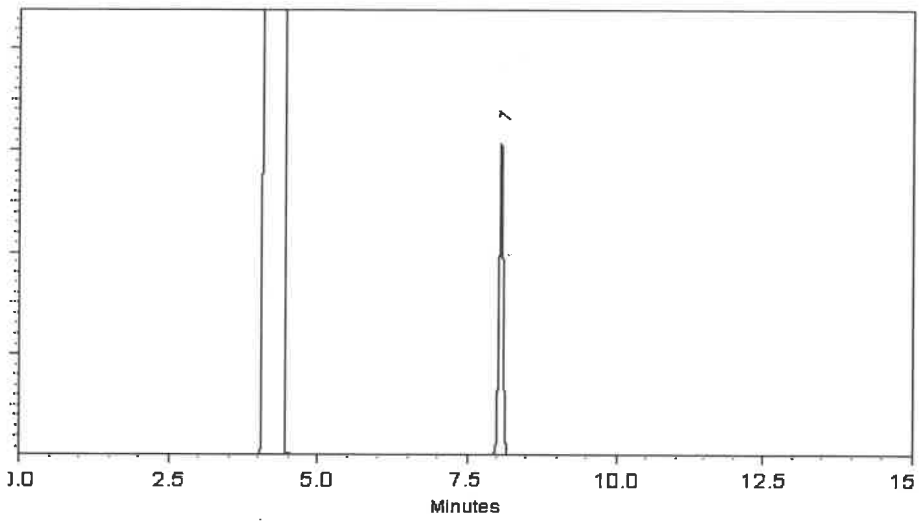
Inj. Temp:
200°C

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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

10 vial

CERTIFIED REFERENCE MATERIAL

Lee 03/31/25

Certificate of Analysis

gravimetric

V14904 to V14913

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. : 555582 **Lot No.:** A0223904

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 : March 31, 2028 **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-33313	99%	25,108.0 µg/mL	+/- 1,421.9957
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000268853	99%	25,108.0 µg/mL	+/- 1,421.9957
3	Dibromofluoromethane	1868-53-7	VENKAT02	99%	25,232.0 µg/mL	+/- 1,429.0184
4	Toluene-d8	2037-26-5	PR-34141	99%	25,156.0 µg/mL	+/- 1,424.7141

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Brittany Federinko - Operations Tech I

Date Mixed: 27-Mar-2025 **Balance:** B251644995

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

Rec 05/09/25

avantor™ | J.T.Baker®

V14921 to
V14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
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	0.3 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.3
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

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rec 05/09/25

avantor™ | J.T.Baker®

V14921 to
V14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
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	0.3 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.3
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

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Rec 05/19/25

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL
20 Vial

Certificate of Analysis

chromatographic plus

VJ14951 to VJ14970

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0222076

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 : August 31, 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	Methyl acetate	79-20-9	SHBR1889	99%	2,004.0 µg/mL	+/- 69.2674
2	Vinyl acetate	108-05-4	RD240423RSR	99%	2,010.0 µg/mL	+/- 69.4748
3	Ethyl acetate	141-78-6	SHBS3323	99%	2,019.3 µg/mL	+/- 69.7974
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,008.0 µg/mL	+/- 69.4057
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBR2024	99%	2,008.0 µg/mL	+/- 69.4057
7	Amyl acetate	628-63-7	BCBT7442	99%	2,006.7 µg/mL	+/- 69.3596

* 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

Rec 05/19/25

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL
20 Vial

Certificate of Analysis

chromatographic plus

VJ14951 to VJ14970

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0222076

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 : August 31, 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	Methyl acetate	79-20-9	SHBR1889	99%	2,004.0 µg/mL	+/- 69.2674
2	Vinyl acetate	108-05-4	RD240423RSR	99%	2,010.0 µg/mL	+/- 69.4748
3	Ethyl acetate	141-78-6	SHBS3323	99%	2,019.3 µg/mL	+/- 69.7974
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,008.0 µg/mL	+/- 69.4057
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBR2024	99%	2,008.0 µg/mL	+/- 69.4057
7	Amyl acetate	628-63-7	BCBT7442	99%	2,006.7 µg/mL	+/- 69.3596

* 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

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/25 5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number:	91980
Lot Number:	091525
Description:	Acrolein
Expiration Date:	101525
Recommended Storage:	Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL):	5000
NIST Test ID#:	6UTB

Solvent(s): Water **Lot#** 041725Q

V15064 to V15068

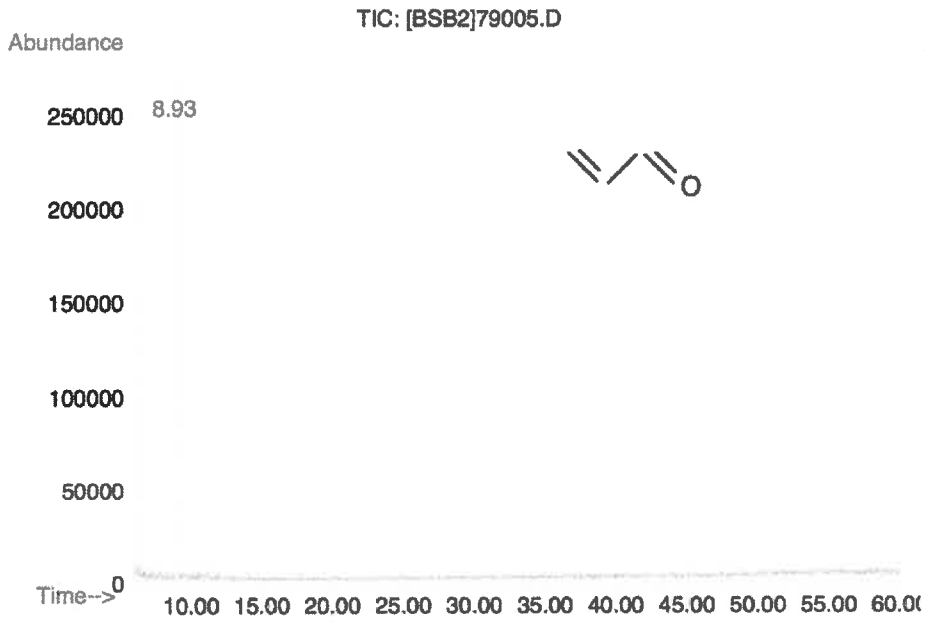
5E-05 Balance Uncertainty

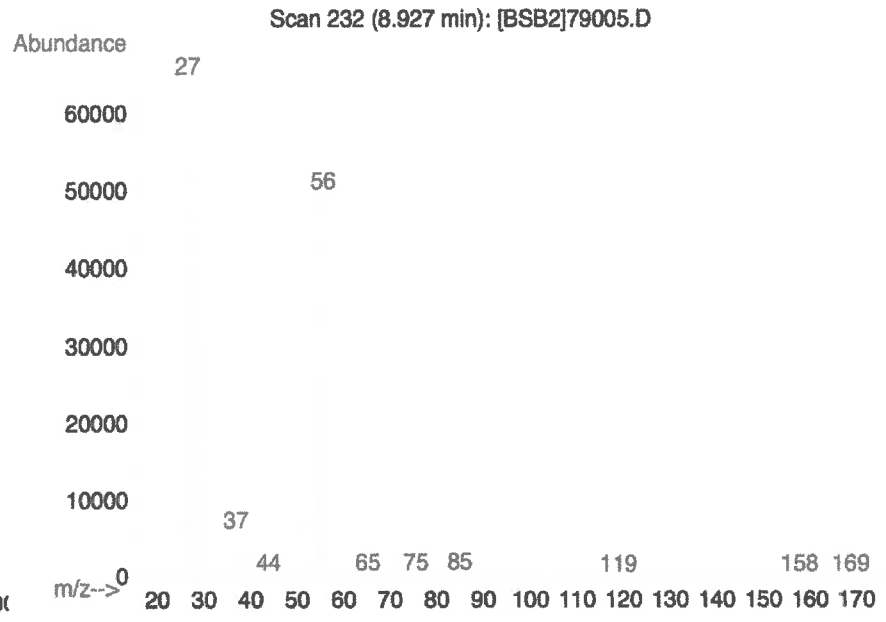
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

	091525
Formulated By: Anthony Mahoney	DATE
	091525
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. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05176	5009.9	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.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (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).**

Rev 1.0, 2/25/2025

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/25 5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number:	91980
Lot Number:	091525
Description:	Acrolein
Expiration Date:	101525
Recommended Storage:	Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL):	5000
NIST Test ID#:	6UTB

Solvent(s): Water **Lot#** 041725Q

V15064 to V15068

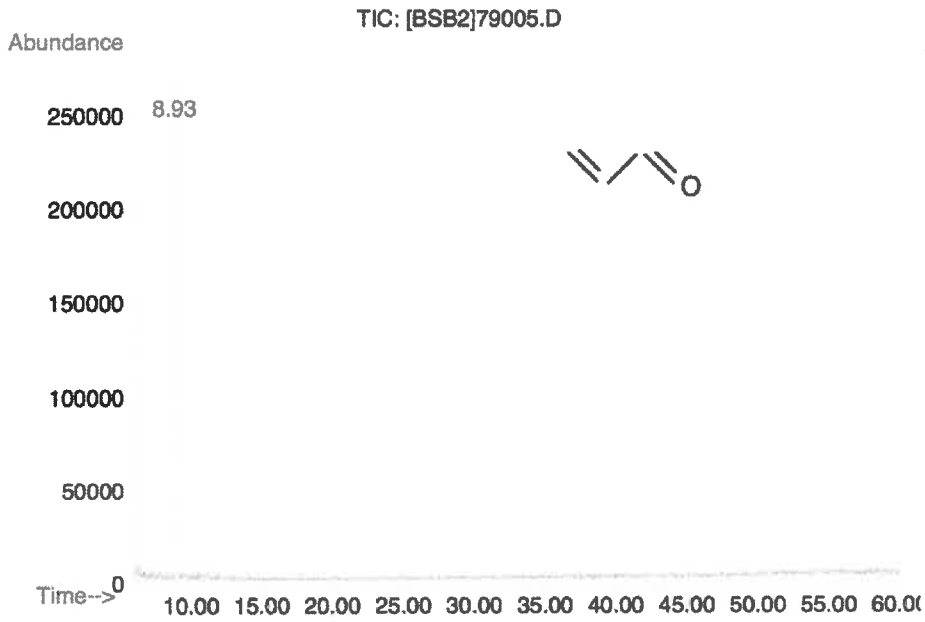
5E-05 Balance Uncertainty

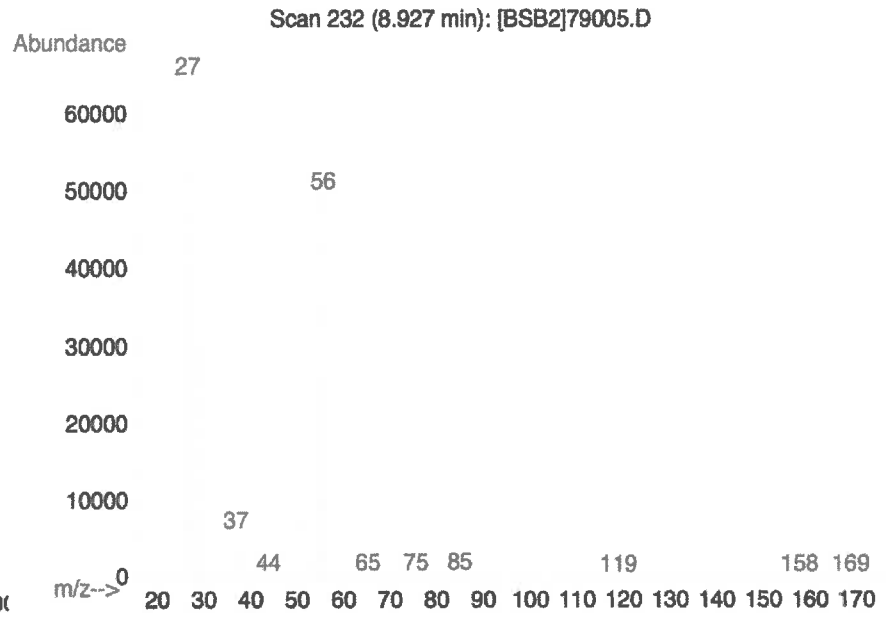
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

	091525
Formulated By: Anthony Mahoney	DATE
	091525
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. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05176	5009.9	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.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (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).**

Rev 1.0, 2/25/2025

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/25 5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number:	91980
Lot Number:	091525
Description:	Acrolein
Expiration Date:	101525
Recommended Storage:	Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL):	5000
NIST Test ID#:	6UTB

Solvent(s): Water **Lot#** 041725Q

V15064 to V15068

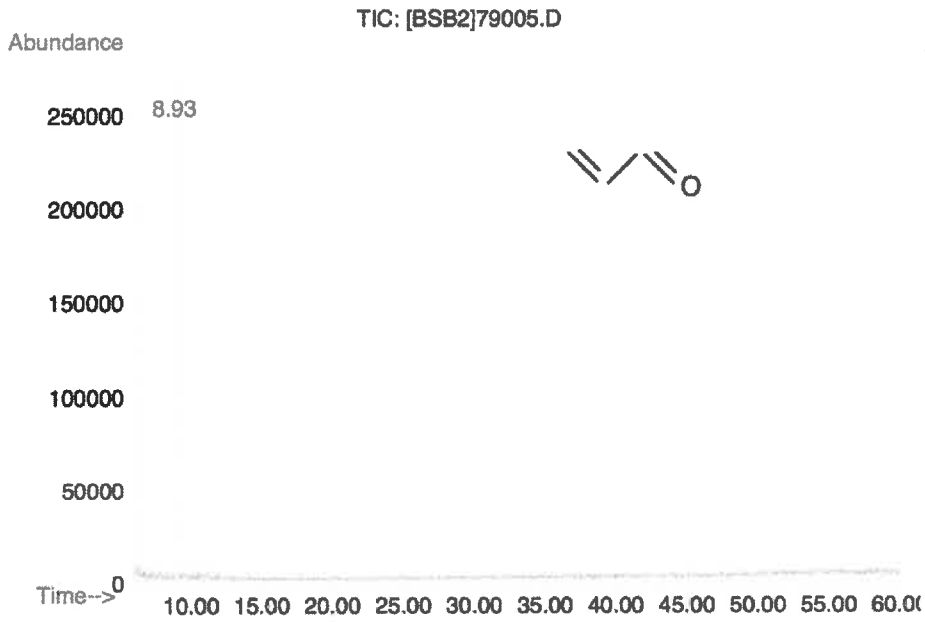
5E-05 Balance Uncertainty

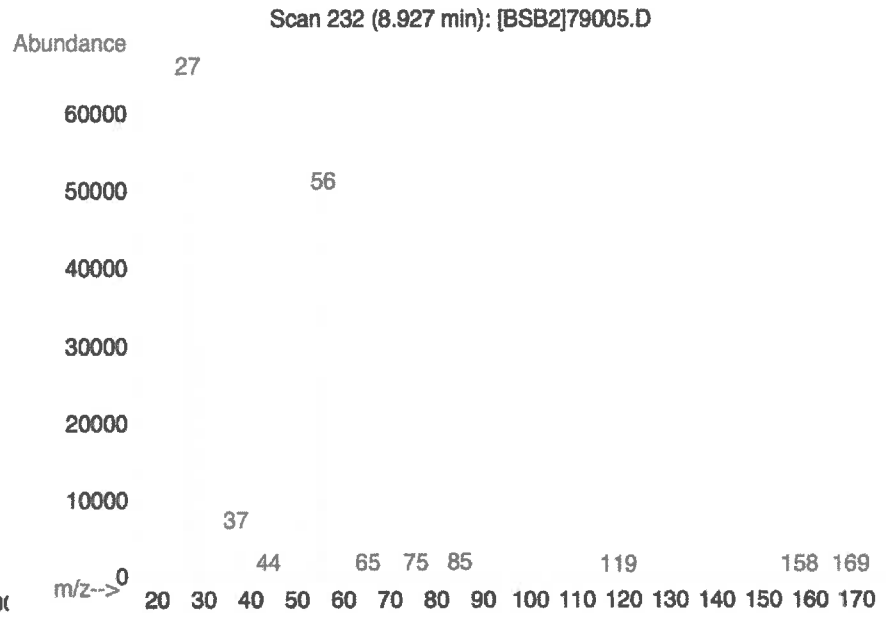
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

	091525
Formulated By: Anthony Mahoney	DATE
	091525
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. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05176	5009.9	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.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (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).**

Rev 1.0, 2/25/2025



SHIPPING DOCUMENTS

Q 321382 3214

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 78-8922
www.chemtech.net

Chemtech Project Number:

COC Number:

CLIENT INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
COMPANY: Tetra Tech	PROJECT NAME: NWIRP Bethpage	BILL TO: SEE CONTRACT PO#
ADDRESS: 4433 Corporation Lane Suite 300	PROJECT #: 112G08005-WE13 LOCATION: VPB-184	ADDRESS:
CITY: Virginia Beach STATE: VA ZIP: 23462	PROJECT MANAGER: Ernie Wu	CITY: STATE: ZIP:
ATTENTION: Ernie Wu	E-MAIL: ernie.wu@tetratech.com	ATTENTION: PHONE:
PHONE: 757-466-4901 FAX: 757-461-4148	PHONE: 757-466-4901 FAX: 757-461-4148	

DATA TURNAROUND INFORMATION

FAX: 2 & 10 DAYS*
HARD COPY: 2 & 10 DAYS*
EDD 2 & 10 DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ EDD Format
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other

ANALYSIS

	1	2	3	4	5	6	7	8	9
	VOC(SW846-8260B)	1,4 Dioxane (8270 SIM)							

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES A	1	2	3	4	5	6	7	8	9	COMMENTS
1.	BP-VPB-184-TB-20250923	QA		X	9/19/25	9:00	2	2										Trip Blank
2.	VPB184-HYD-20250924	AQ		X	9/24/25	15:45	5	2	1	2								Hydrant Sample
3.	BP-VPB-184-GW-340-342	AQ		X	9/23/25	9:58	3	2	1									
4.	BP-VPB-184-GW-360-362	AQ		X	9/23/25	12:10	3	3										
5.	BP-VPB-184-GW-380-382	AQ		X	9/23/25	14:16	3	2	1									
6.	BP-VPB-184-DUP-20250923	QA		X	9/23/25	12:00	1		1									8270 SIM Duplicate
7.	BP-VPB-184-GW-400-402	AQ		X	9/24/25	9:40	3	3										
8.	BP-VPB-184-GW-420-422	AQ		X	9/24/25	11:33	3	2	1									
9.	BP-VPB-184-GW-440-442	AQ		X	9/24/25	14:25	3	3										
10.	BP-VPB-184-EB-20250923	QA		X	9/23/25	8:45	3	2	1									Equipment Blank

COMMENTS <-- Specify Preservatives
A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1.	9/25/25 1330	1400 9-25-25
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3.	9-25-25 1730	3.

Conditions of bottles or coolers at receipt: q Compliant q Non Compliant q Cooler Temp 2.1 C
MeOH extraction requires an additional 4oz. Jar for percent solid q Ice in
Cooler?:
Comments: 5 Day TAT - For VOC's see worksheet #15 of SAP 2018 for VPB program VOC list
10-DAY TAT - For 1,4 Dioxane (8270 SIM)

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight CHEMTECH: ☐ Picked Up ☐ Overnight

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPYFOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3213 TETR06
Client Name : Tetra Tech NUS, Inc.
Client Contact : Ernie Wu
Invoice Name : Tetra Tech NUS, Inc.
Invoice Contact : Ernie Wu

Order Date : 9/25/2025 2:33:00 PM
Project Name : NWIRP Bethpage 112G080
Receive DateTime : 9/25/2025 5:30:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : ADAPT
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3213-01	BP-VPB-184-TB-20250923	Water	09/19/2025	09:00					
					VOC-TCLVOA-10		8260-Low		5 Bus. Days
Q3213-02	VPB184-HYD-20250924	Water	09/24/2025	15:45					
					VOC-TCLVOA-10		8260-Low		5 Bus. Days
Q3213-03	BP-VPB-184-GW-340-342	Water	09/23/2025	09:58					
					VOC-TCLVOA-10		8260-Low		5 Bus. Days
Q3213-04	BP-VPB-184-GW-360-362	Water	09/23/2025	12:10					
					VOC-TCLVOA-10		8260-Low		5 Bus. Days
Q3213-05	BP-VPB-184-GW-380-382	Water	09/23/2025	14:16					
					VOC-TCLVOA-10		8260-Low		5 Bus. Days
Q3213-07	BP-VPB-184-GW-400-402	Water	09/24/2025	09:40					
					VOC-TCLVOA-10		8260-Low		5 Bus. Days
Q3213-08	BP-VPB-184-GW-420-422	Water	09/24/2025	11:33					
					VOC-TCLVOA-10		8260-Low		5 Bus. Days
Q3213-09	BP-VPB-184-GW-440-442	Water	09/24/2025	14:25					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3213 TETR06
Client Name : Tetra Tech NUS, Inc.
Client Contact : Ernie Wu
Invoice Name : Tetra Tech NUS, Inc.
Invoice Contact : Ernie Wu

Order Date : 9/25/2025 2:33:00 PM
Project Name : NWIRP Bethpage 112G080
Receive DateTime : 9/25/2025 5:30:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : ADAPT
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD		FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260-Low	5 Bus. Days		
Q3213-10	BP-VPB-184-EB-20250923	Water	09/23/2025	08:45						
					VOC-TCLVOA-10		8260-Low	5 Bus. Days		

Relinguished By : [signature]
Date / Time : 9/26/25 1045

Received By : [signature]
Date / Time : 09/26/25 11:21

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : VSTDICC001

Quant Time: Sep 22 01:44:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.537	168	246348	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.745	114	451502	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.037	117	410953	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	201976	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.934	65	41500	10.583	ug/l		0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 21.160%#				
35) Dibromofluoromethane	5.367	113	31188	10.300	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 20.600%#				
50) Toluene-d8	8.628	98	103865	9.913	ug/l		0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 19.820%#				
62) 4-Bromofluorobenzene	11.061	95	47321	11.900	ug/l		0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 23.800%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.179	85	2201	0.863	ug/l		96
3) Chloromethane	1.300	50	3006	0.897	ug/l	#	82
4) Vinyl Chloride	1.386	62	2818	0.859	ug/l		95
5) Bromomethane	1.624	94	2304	1.107	ug/l		99
6) Chloroethane	1.697	64	2134	0.973	ug/l		95
7) Trichlorofluoromethane	1.898	101	4261	0.874	ug/l		88
8) Diethyl Ether	2.130	74	1831	0.919	ug/l		98
9) 1,1,2-Trichlorotrifluo...	2.337	101	2555	0.897	ug/l		93
10) Methyl Iodide	2.459	142	3509	0.790	ug/l	#	86
11) Tert butyl alcohol	2.934	59	1850	4.236	ug/l	#	72
12) 1,1-Dichloroethene	2.325	96	2594	0.886	ug/l	#	80
13) Acrolein	2.239	56	1440	3.578	ug/l	#	65
14) Allyl chloride	2.666	41	5885	0.974	ug/l		94
15) Acrylonitrile	3.062	53	6500	4.018	ug/l		97
16) Acetone	2.380	43	8444	4.953	ug/l		99
17) Carbon Disulfide	2.520	76	7662	0.956	ug/l	#	91
18) Methyl Acetate	2.703	43	3013	0.794	ug/l		98
19) Methyl tert-butyl Ether	3.111	73	9281	0.869	ug/l	#	89
20) Methylene Chloride	2.788	84	3540	0.981	ug/l		93
21) trans-1,2-Dichloroethene	3.099	96	2676	0.849	ug/l		95
22) Diisopropyl ether	3.751	45	9738	0.832	ug/l	#	87
23) Vinyl Acetate	3.715	43	37962	4.052	ug/l		97
24) 1,1-Dichloroethane	3.611	63	5372	0.863	ug/l		95
25) 2-Butanone	4.550	43	9105	4.281	ug/l	#	83
26) 2,2-Dichloropropane	4.477	77	4657	0.901	ug/l		77
27) cis-1,2-Dichloroethene	4.477	96	3440	0.891	ug/l		96
28) Bromochloromethane	4.879	49	2251	0.829	ug/l	#	93
29) Tetrahydrofuran	4.995	42	5210	4.072	ug/l		98
30) Chloroform	5.074	83	5093	0.810	ug/l		86
31) Cyclohexane	5.458	56	4668	0.901	ug/l		90
32) 1,1,1-Trichloroethane	5.373	97	4439	0.832	ug/l	#	47
36) 1,1-Dichloropropene	5.672	75	4373	0.988	ug/l	#	69
37) Ethyl Acetate	4.702	43	3873	0.818	ug/l	#	91
38) Carbon Tetrachloride	5.659	117	4349	0.905	ug/l		95
39) Methylcyclohexane	7.360	83	4428	0.882	ug/l		94
40) Benzene	6.025	78	12012	0.894	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Sep 22 01:44:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.903	41	2128	0.870	ug/l	#	63
42) 1,2-Dichloroethane	6.062	62	4634	0.906	ug/l		80
43) Isopropyl Acetate	6.318	43	6784	0.873	ug/l		94
44) Trichloroethene	7.110	130	2677	0.824	ug/l		78
45) 1,2-Dichloropropane	7.415	63	2945	0.856	ug/l		100
46) Dibromomethane	7.574	93	2240	0.895	ug/l		94
47) Bromodichloromethane	7.805	83	4167	0.806	ug/l	#	92
48) Methyl methacrylate	7.683	41	3355	0.867	ug/l	#	87
49) 1,4-Dioxane	7.653	88	404	10.329	ug/l	#	52
51) 4-Methyl-2-Pentanone	8.555	43	17596	4.085	ug/l		95
52) Toluene	8.708	92	7595	0.917	ug/l		92
53) t-1,3-Dichloropropene	8.964	75	4398	0.834	ug/l	#	82
54) cis-1,3-Dichloropropene	8.354	75	4635	0.823	ug/l	#	76
55) 1,1,2-Trichloroethane	9.134	97	2918	0.914	ug/l		95
56) Ethyl methacrylate	9.104	69	3679	0.734	ug/l	#	84
57) 1,3-Dichloropropane	9.293	76	4580	0.835	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	4222	9.665	ug/l		99
59) 2-Hexanone	9.415	43	12385	4.003	ug/l		98
60) Dibromochloromethane	9.506	129	2903	0.789	ug/l		87
61) 1,2-Dibromoethane	9.592	107	2596	0.798	ug/l		96
64) Tetrachloroethene	9.256	164	2457	0.917	ug/l		83
65) Chlorobenzene	10.061	112	8202	0.879	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.140	131	2684	0.833	ug/l	#	66
67) Ethyl Benzene	10.177	91	13360	0.829	ug/l		98
68) m/p-Xylenes	10.287	106	9922	1.655	ug/l		99
69) o-Xylene	10.622	106	4734	0.816	ug/l		94
70) Styrene	10.640	104	8377	0.824	ug/l		96
71) Bromoform	10.787	173	1816	0.755	ug/l	#	94
73) Isopropylbenzene	10.945	105	12618	0.822	ug/l		96
74) N-amyl acetate	10.829	43	5159	0.737	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.195	83	3900	0.839	ug/l		96
76) 1,2,3-Trichloropropane	11.225	75	4568	1.117	ug/l		80
77) Bromobenzene	11.183	156	3069	0.811	ug/l		98
78) n-propylbenzene	11.286	91	14866	0.819	ug/l		99
79) 2-Chlorotoluene	11.347	91	9195	0.827	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	9929	0.787	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.006	75	960	0.599	ug/l	#	95
82) 4-Chlorotoluene	11.439	91	11123	0.847	ug/l		95
83) tert-Butylbenzene	11.695	119	11311	0.876	ug/l		97
84) 1,2,4-Trimethylbenzene	11.731	105	10187	0.796	ug/l		100
85) sec-Butylbenzene	11.872	105	12561	0.819	ug/l		99
86) p-Isopropyltoluene	11.994	119	10744	0.827	ug/l		92
87) 1,3-Dichlorobenzene	11.951	146	5907	0.841	ug/l		98
88) 1,4-Dichlorobenzene	11.951	146	5907	0.819	ug/l		98
89) n-Butylbenzene	12.317	91	9811	0.816	ug/l		97
90) Hexachloroethane	12.524	117	1752	0.768	ug/l		97
91) 1,2-Dichlorobenzene	12.317	146	5491	0.820	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.926	75	698	0.742	ug/l		93
93) 1,2,4-Trichlorobenzene	13.567	180	3358	0.772	ug/l		95
94) Hexachlorobutadiene	13.707	225	1378	0.933	ug/l		93
95) Naphthalene	13.756	128	10112	0.763	ug/l		98
96) 1,2,3-Trichlorobenzene	13.944	180	3043	0.752	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Sep 22 01:44:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

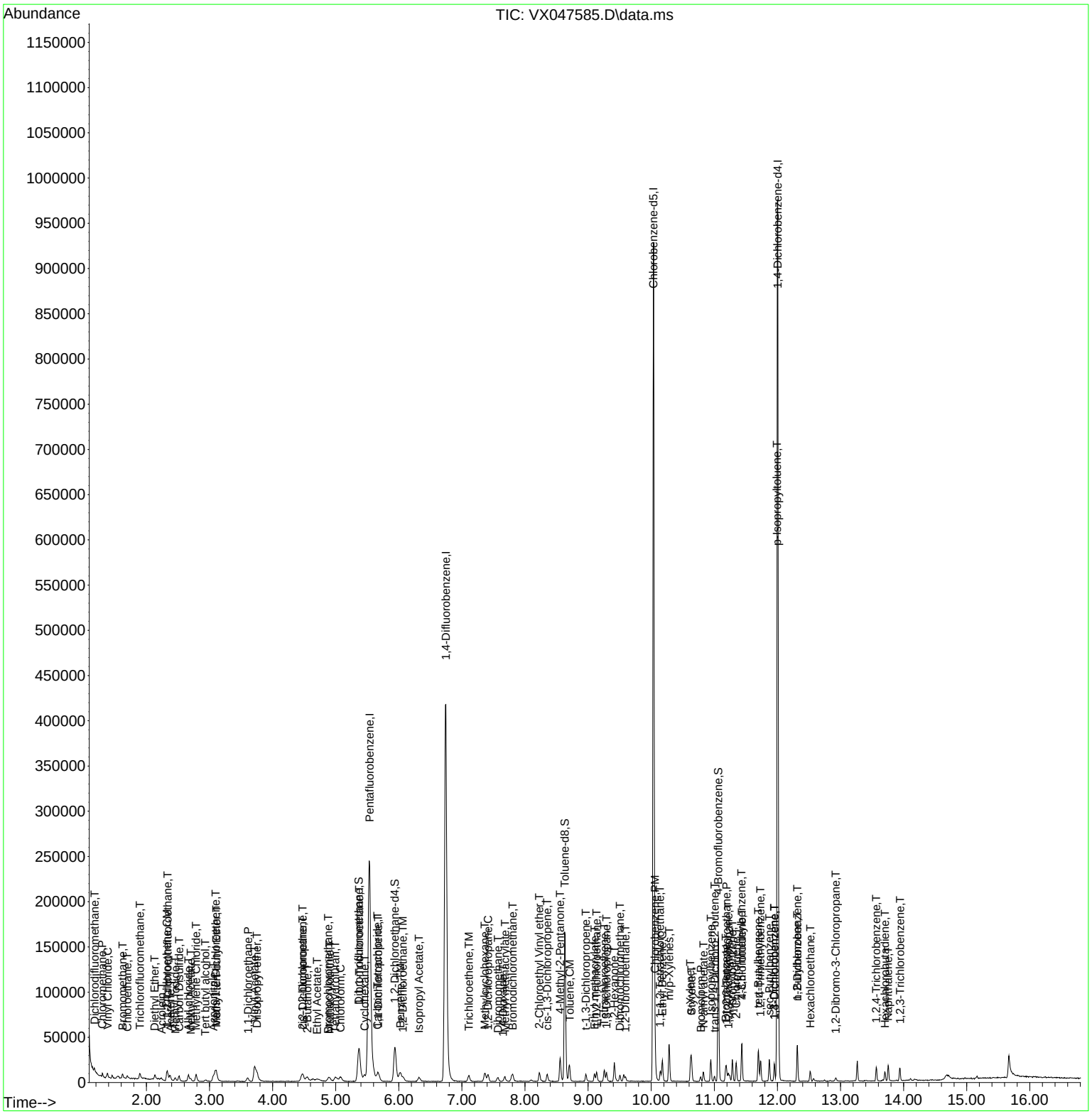
(#) = qualifier out of range (m) = manual integration (+) = signals summed

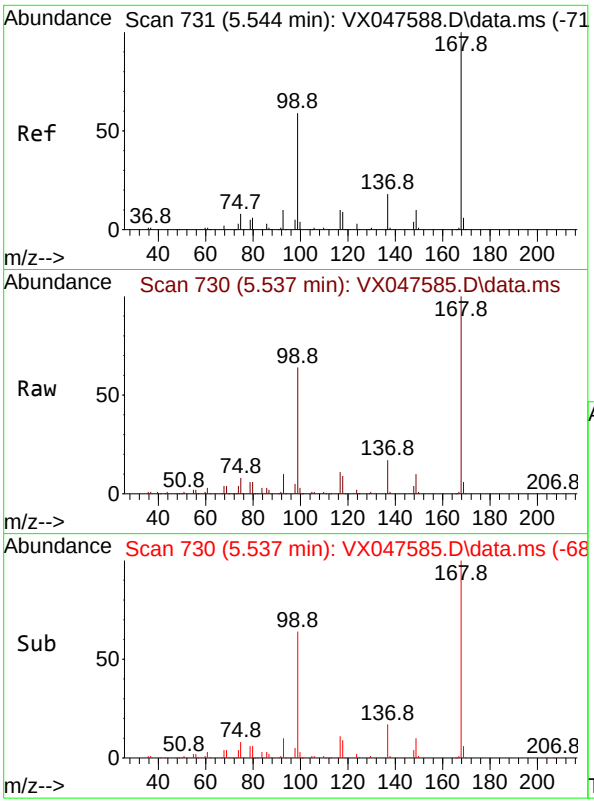
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Sep 22 01:44:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



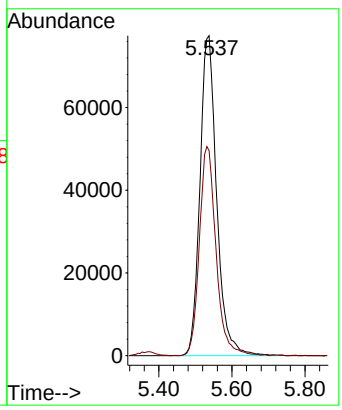


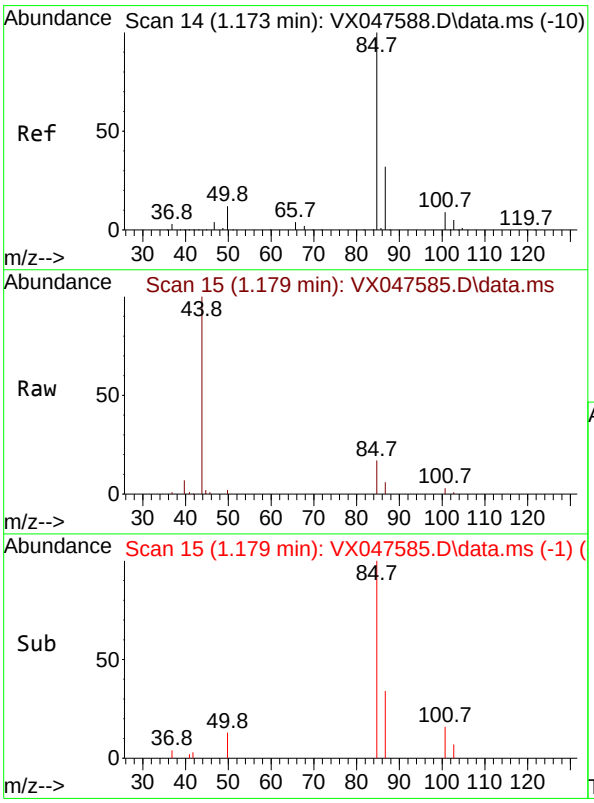
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 246348

Ion	Ratio	Lower	Upper
168	100		
99	64.0	48.8	73.2

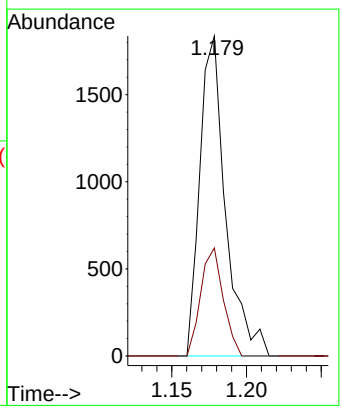


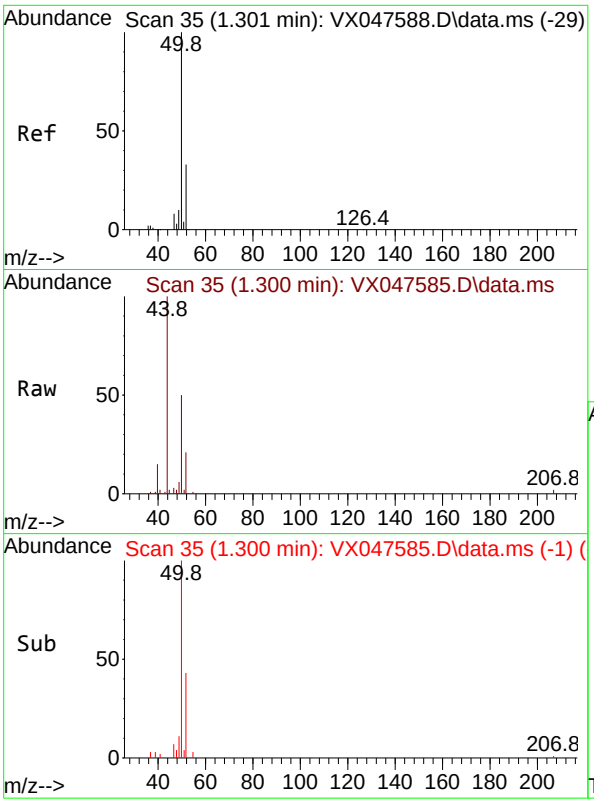


#2
Dichlorodifluoromethane
Concen: 0.863 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 85 Resp: 2201

Ion	Ratio	Lower	Upper
85	100		
87	33.8	15.8	47.3



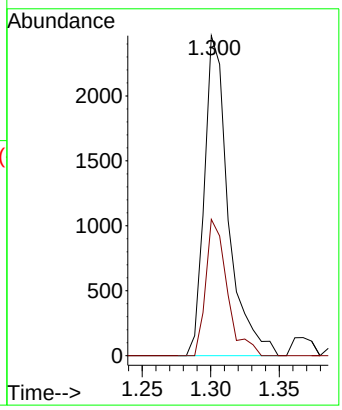


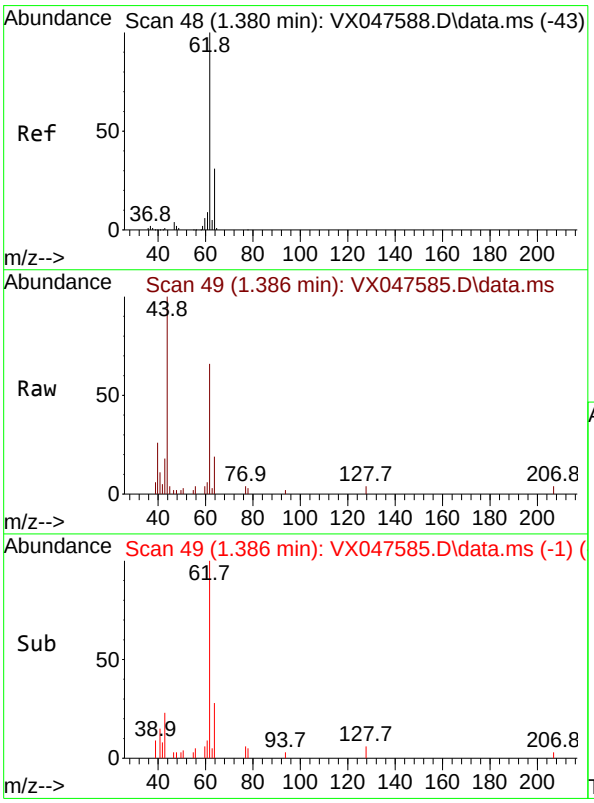
#3
Chloromethane
Concen: 0.897 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 3006

Ion	Ratio	Lower	Upper
50	100		
52	42.6	26.1	39.1#

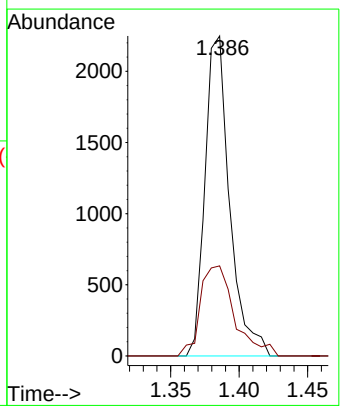


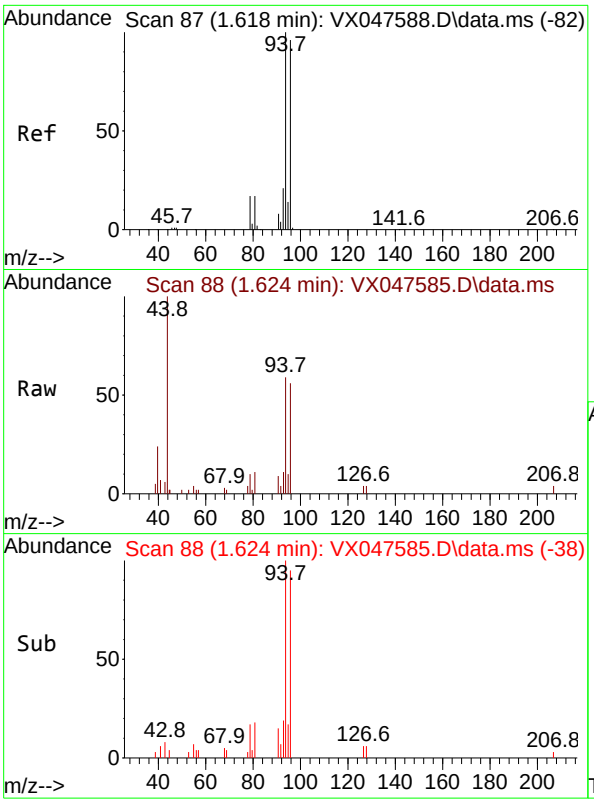


#4
Vinyl Chloride
Concen: 0.859 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 62 Resp: 2818

Ion	Ratio	Lower	Upper
62	100		
64	28.2	24.9	37.3



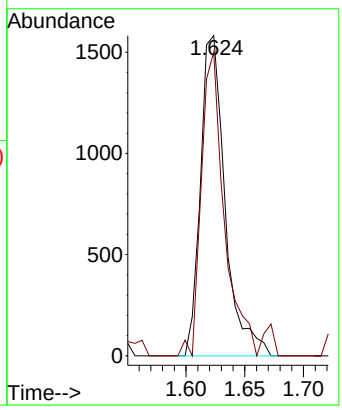


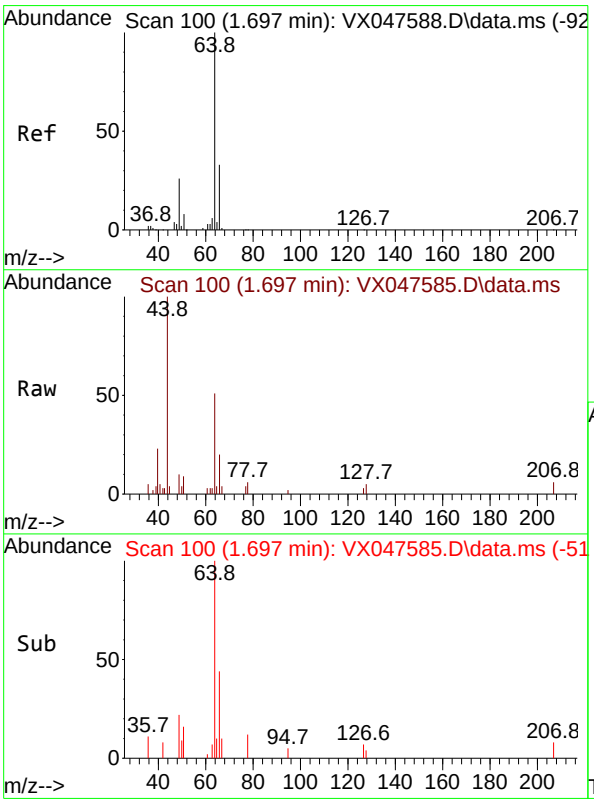
#5
Bromomethane
Concen: 1.107 ug/l
RT: 1.624 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 2304

Ion	Ratio	Lower	Upper
94	100		
96	94.9	76.6	115.0

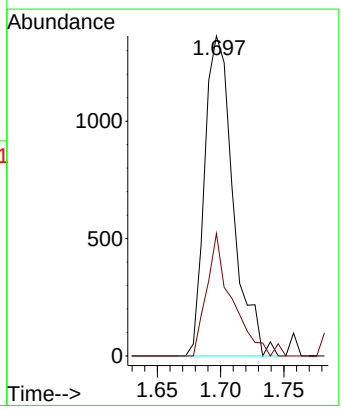


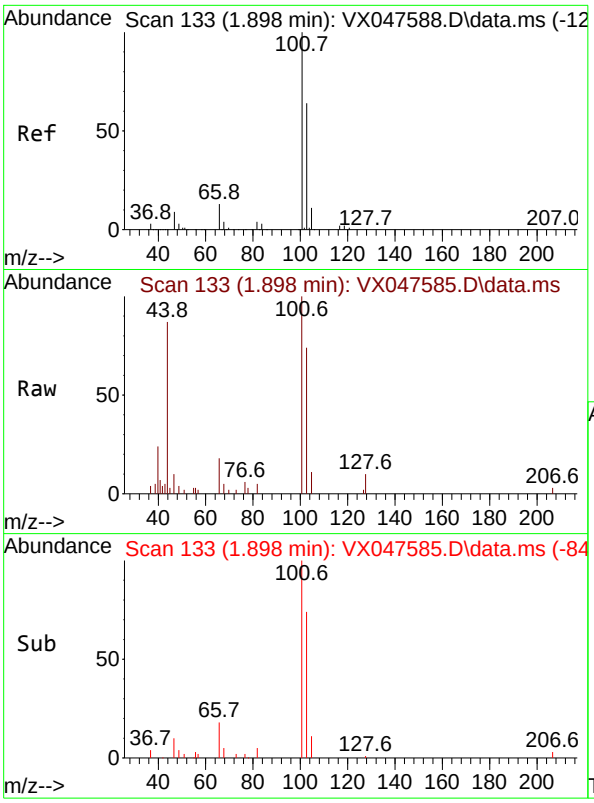


#6
Chloroethane
Concen: 0.973 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 64 Resp: 2134

Ion	Ratio	Lower	Upper
64	100		
66	35.4	26.1	39.1



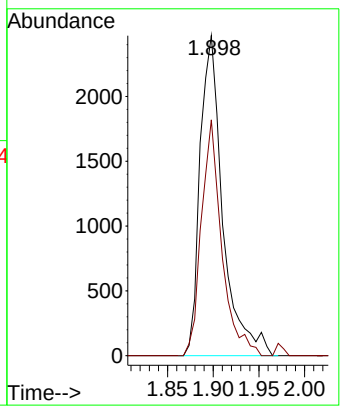


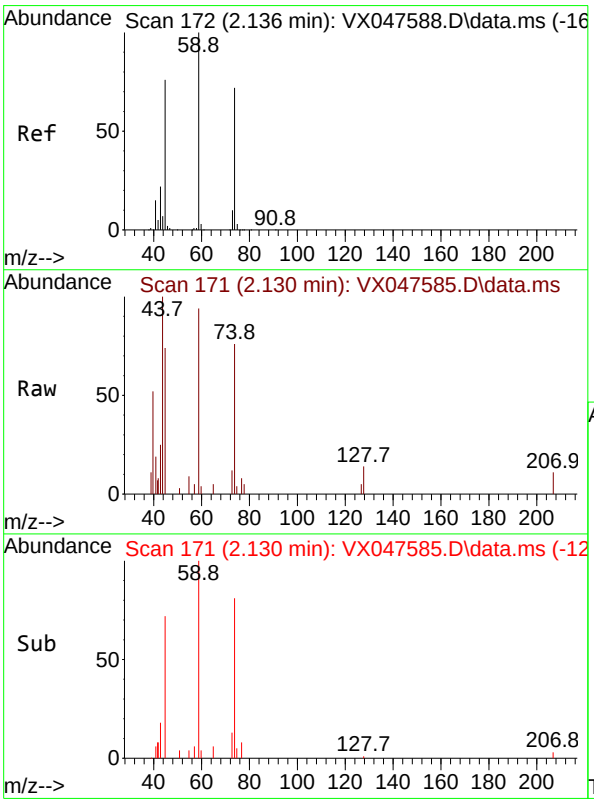
#7
Trichlorofluoromethane
Concen: 0.874 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 4261

Ion	Ratio	Lower	Upper
101	100		
103	73.7	51.4	77.2

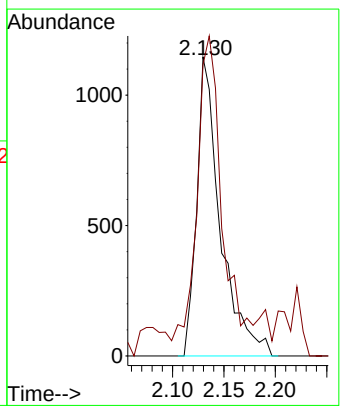


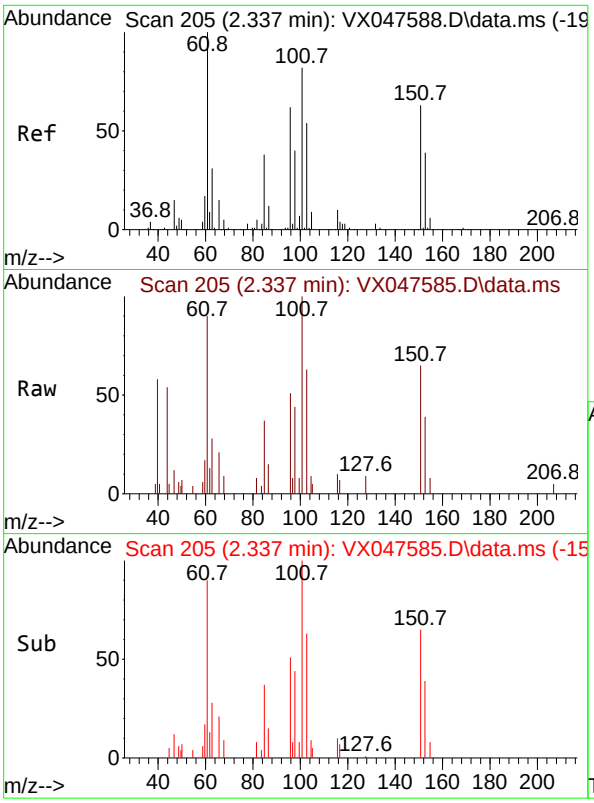


#8
Diethyl Ether
Concen: 0.919 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 74 Resp: 1831

Ion	Ratio	Lower	Upper
74	100		
45	102.2	52.3	156.8



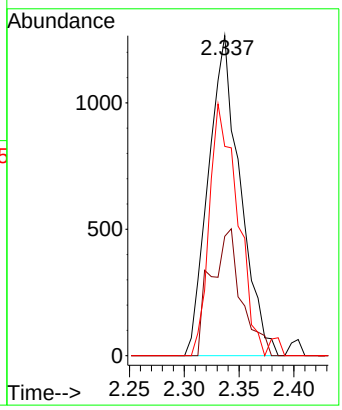


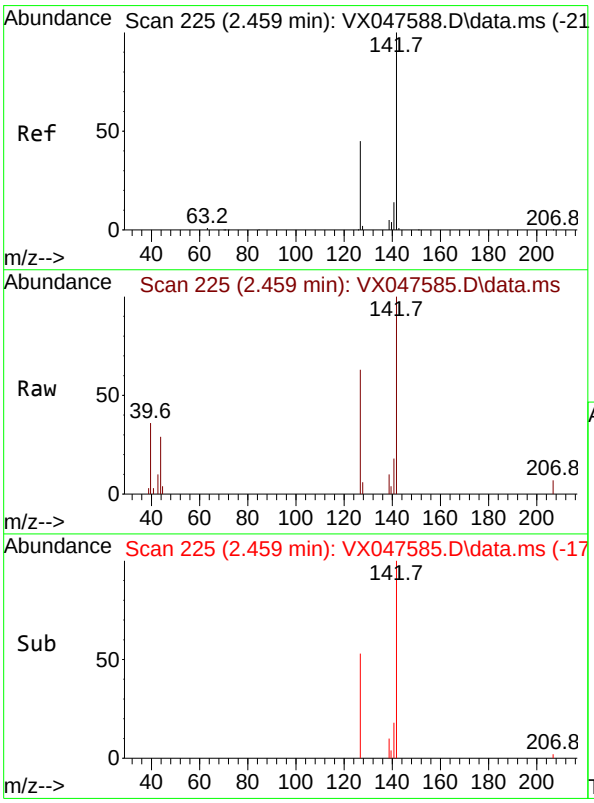
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.897 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 2555

Ion	Ratio	Lower	Upper
101	100		
85	37.8	35.5	53.3
151	69.9	59.4	89.0

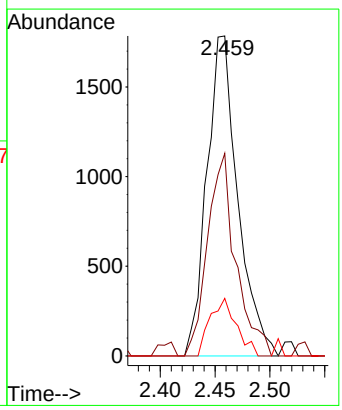


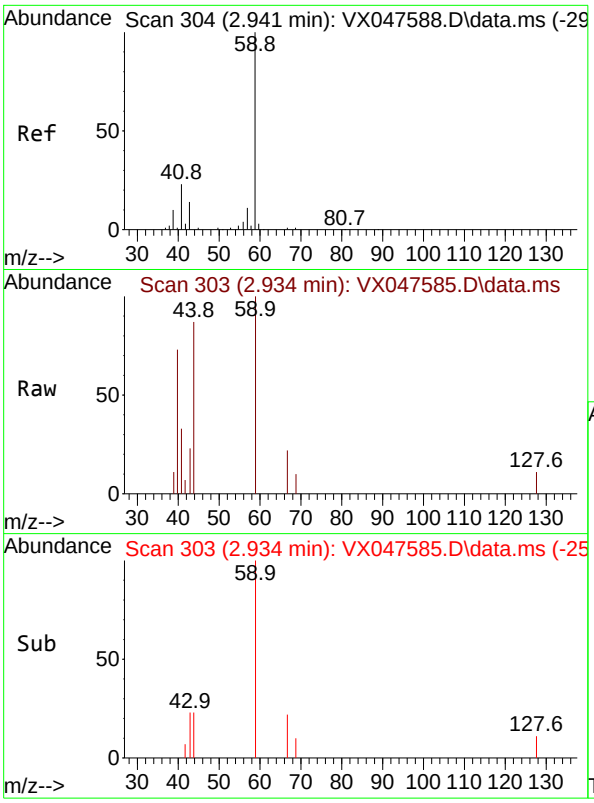


#10
Methyl Iodide
Concen: 0.790 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:142 Resp: 3509

Ion	Ratio	Lower	Upper
142	100		
127	57.7	37.2	55.8#
141	15.3	11.4	17.0



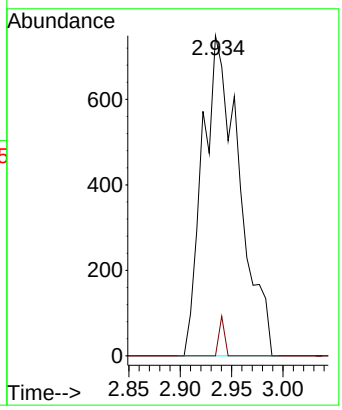


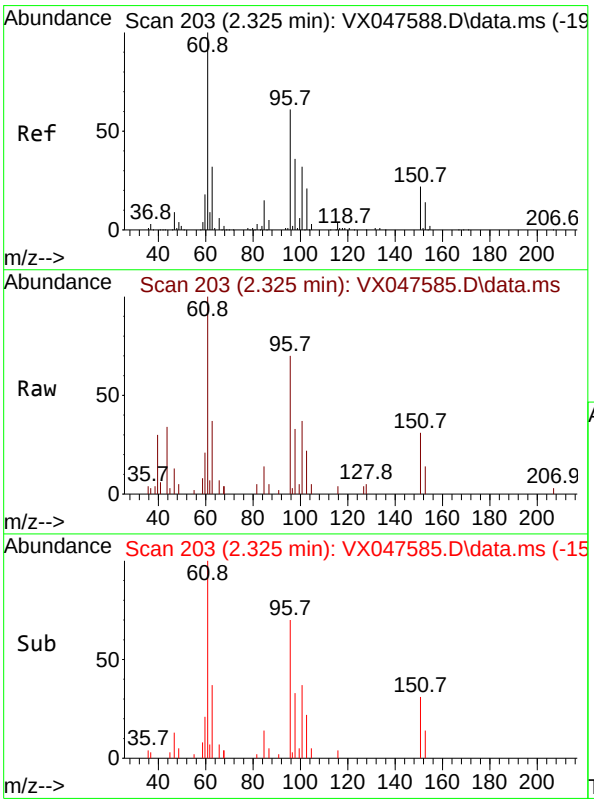
#11
Tert butyl alcohol
Concen: 4.236 ug/l
RT: 2.934 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 1850

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5#

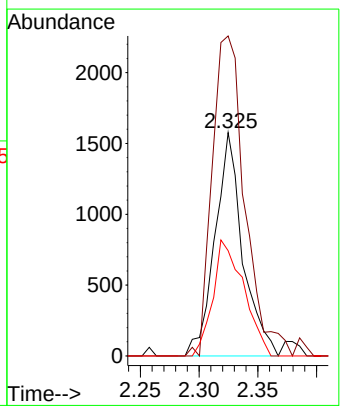


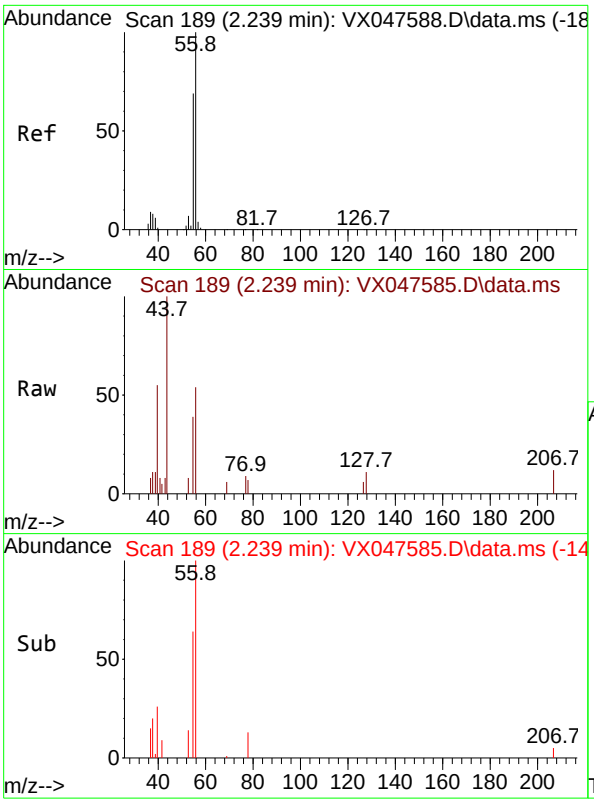


#12
1,1-Dichloroethene
Concen: 0.886 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 96 Resp: 2594

Ion	Ratio	Lower	Upper
96	100		
61	137.3	131.0	196.6
98	45.2	47.7	71.5#



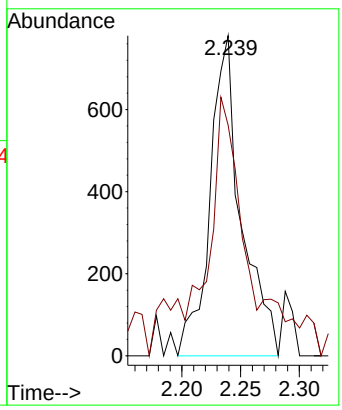


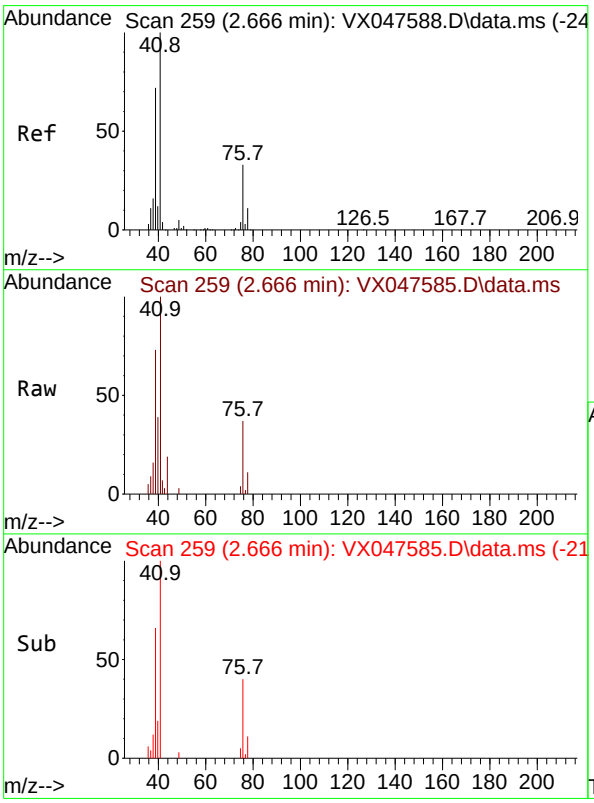
#13
Acrolein
Concen: 3.578 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 1440

Ion	Ratio	Lower	Upper
56	100		
55	100.3	57.2	85.8#

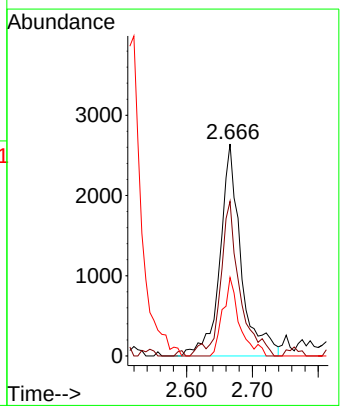


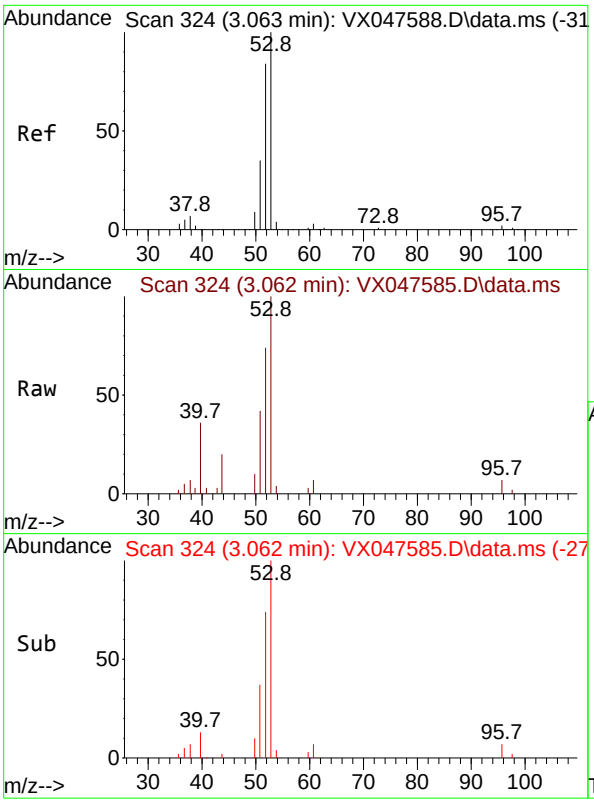


#14
Allyl chloride
Concen: 0.974 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 41 Resp: 5885

Ion	Ratio	Lower	Upper
41	100		
39	63.3	54.7	82.1
76	29.3	25.7	38.5



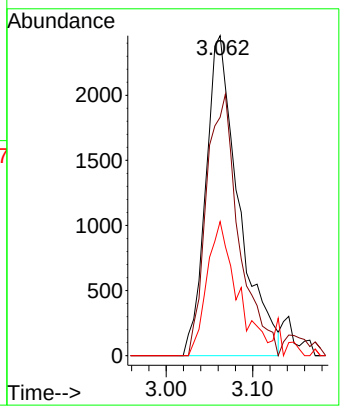


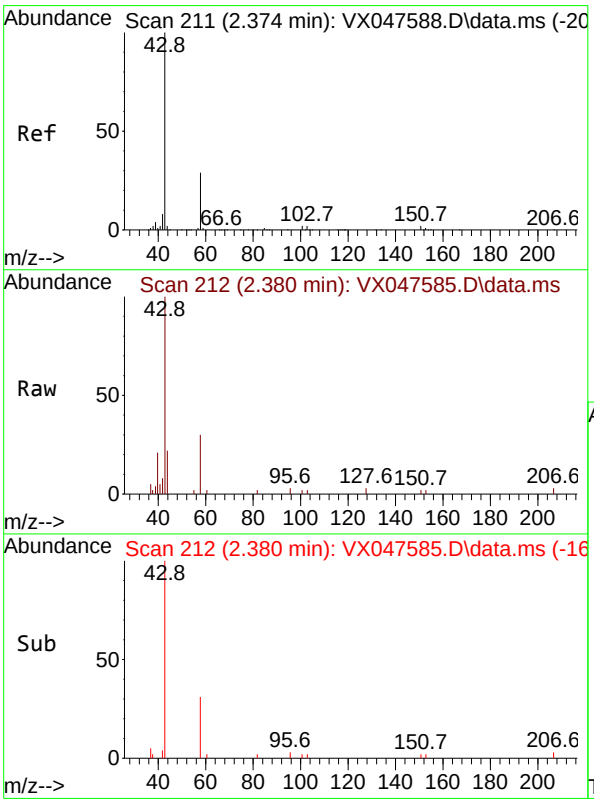
#15
Acrylonitrile
Concen: 4.018 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 53 Resp: 6500

Ion	Ratio	Lower	Upper
53	100		
52	80.3	66.4	99.6
51	38.7	29.5	44.3

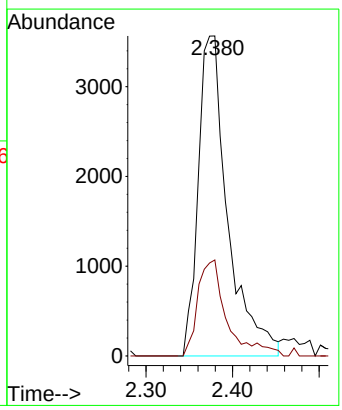


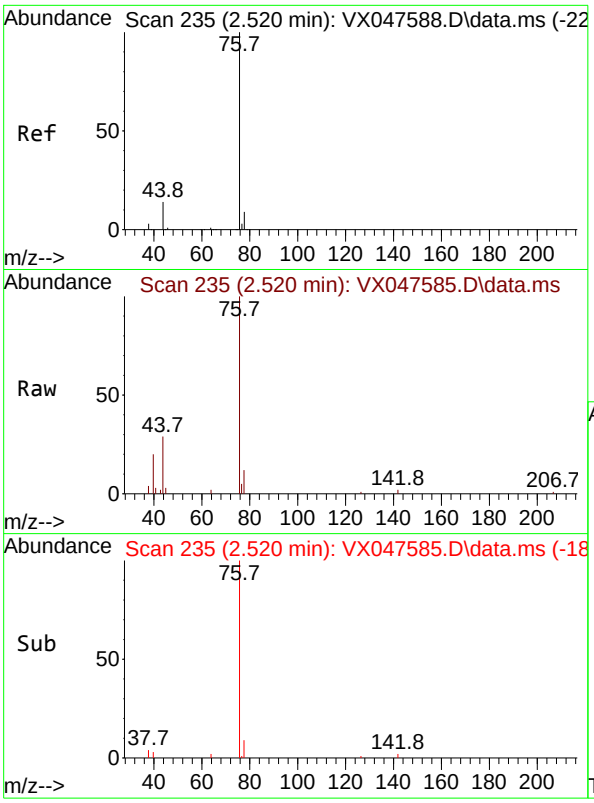


#16
Acetone
Concen: 4.953 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 8444

Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.4	35.0



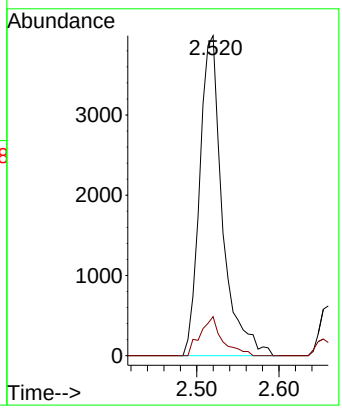


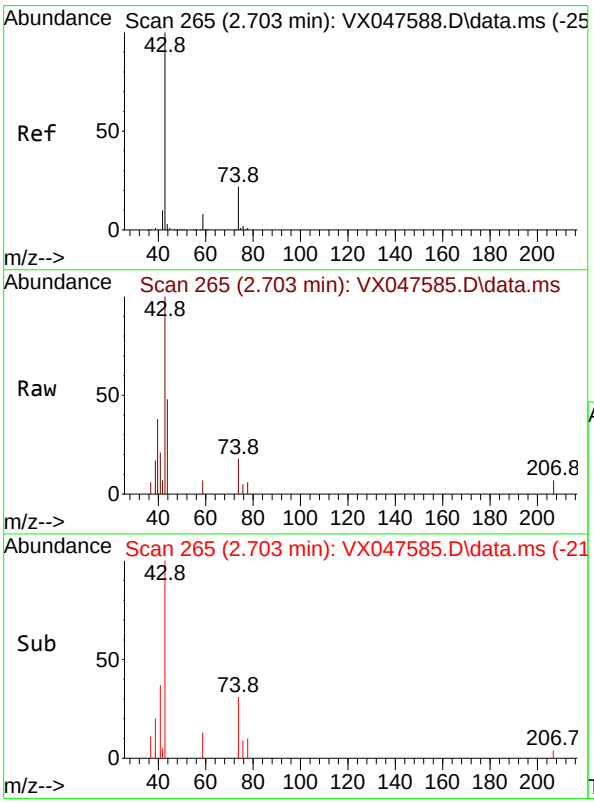
#17
Carbon Disulfide
Concen: 0.956 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 7662

Ion	Ratio	Lower	Upper
76	100		
78	11.6	6.8	10.2#

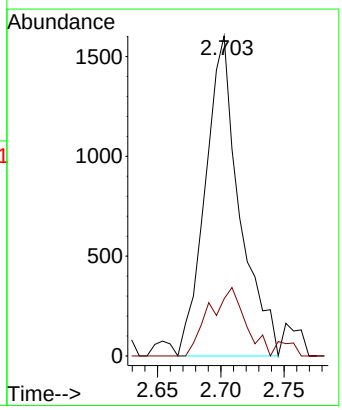


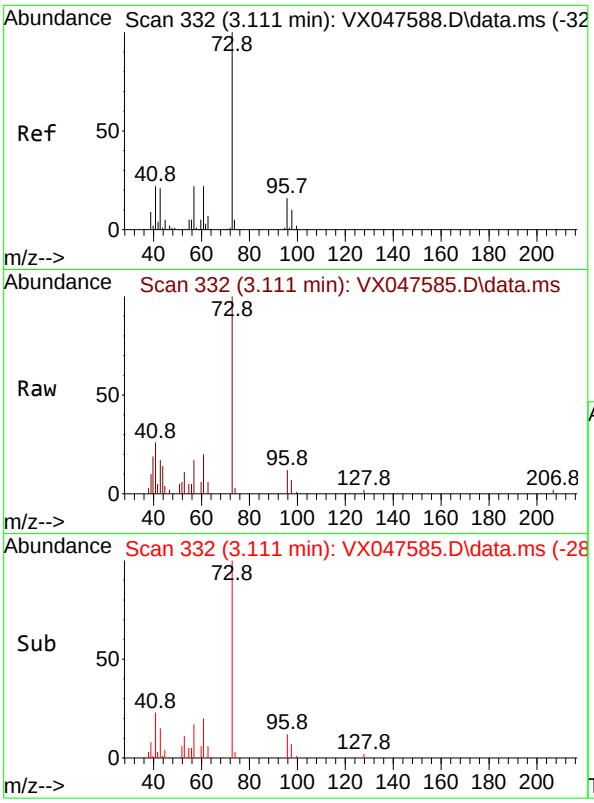


#18
Methyl Acetate
Concen: 0.794 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 3013

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2



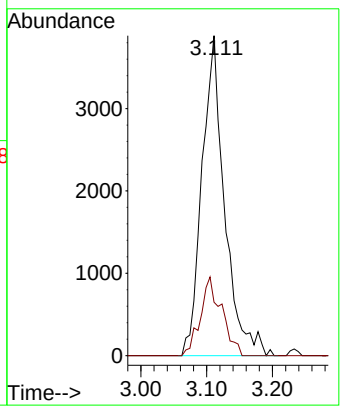


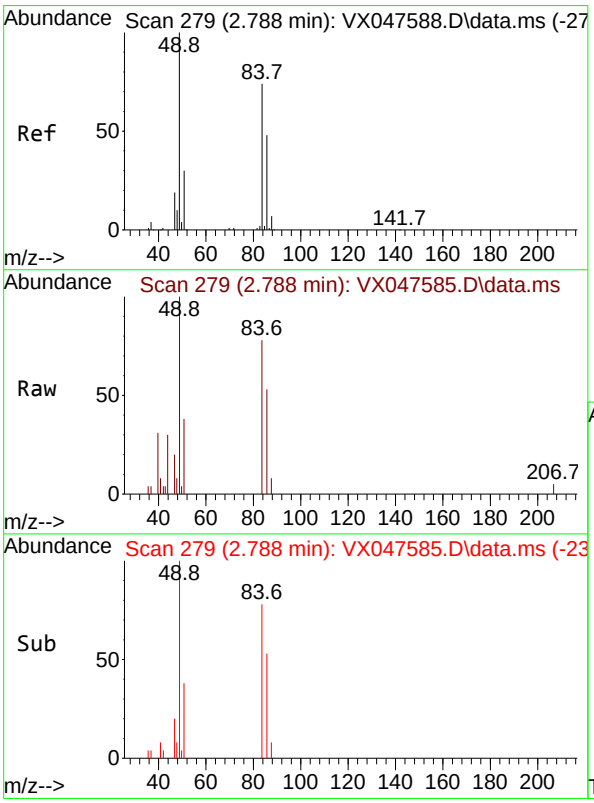
#19
Methyl tert-butyl Ether
Concen: 0.869 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 9281

Ion	Ratio	Lower	Upper
73	100		
57	16.7	17.4	26.2#

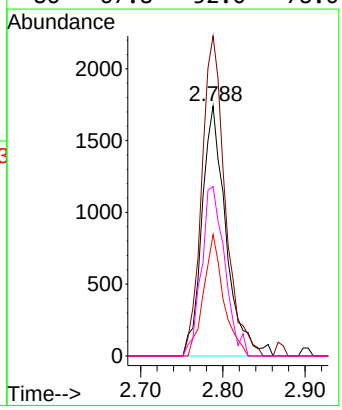


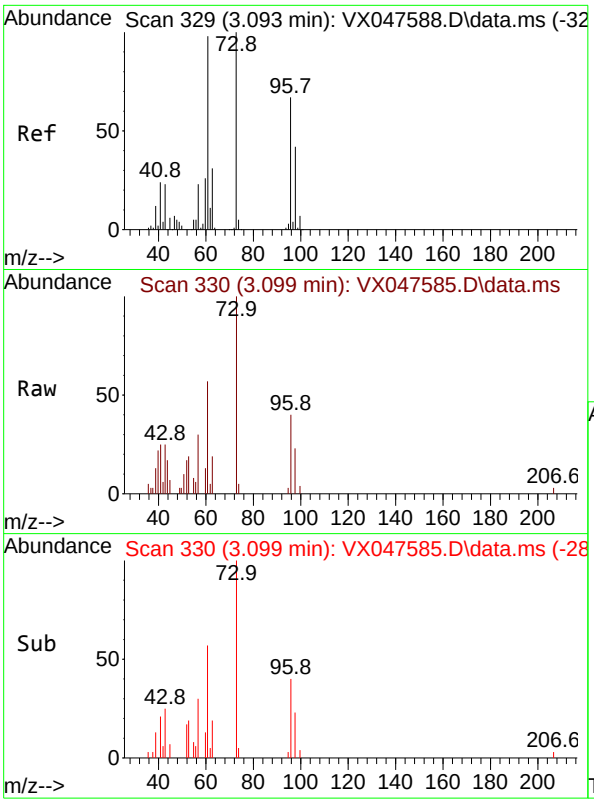


#20
Methylene Chloride
Concen: 0.981 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 84 Resp: 3540

Ion	Ratio	Lower	Upper
84	100		
49	128.0	108.6	162.8
51	48.6	32.6	48.8
86	67.8	52.0	78.0



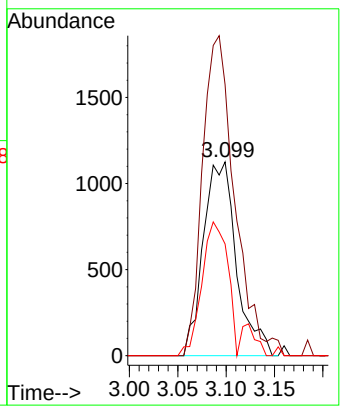


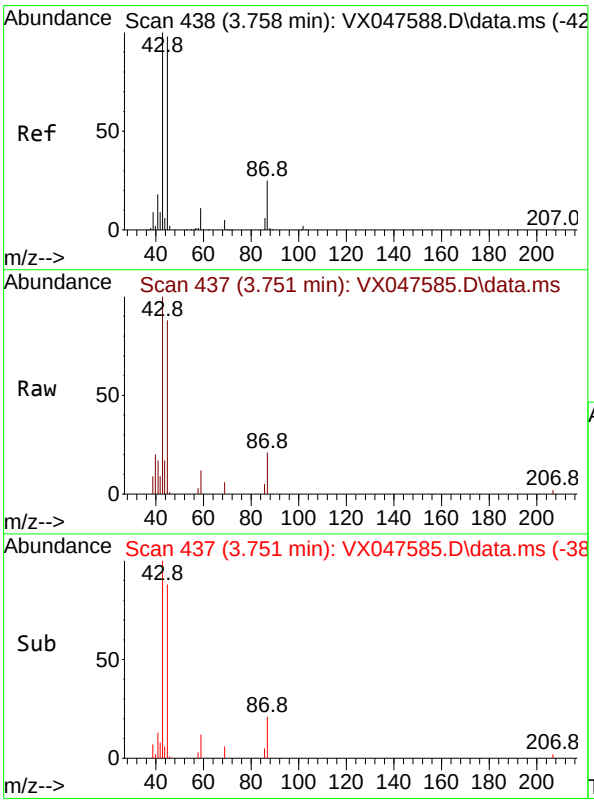
#21
trans-1,2-Dichloroethene
Concen: 0.849 ug/l
RT: 3.099 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 2676

Ion	Ratio	Lower	Upper
96	100		
61	139.9	116.2	174.2
98	57.6	49.3	73.9

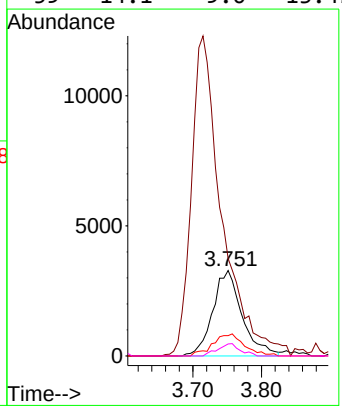


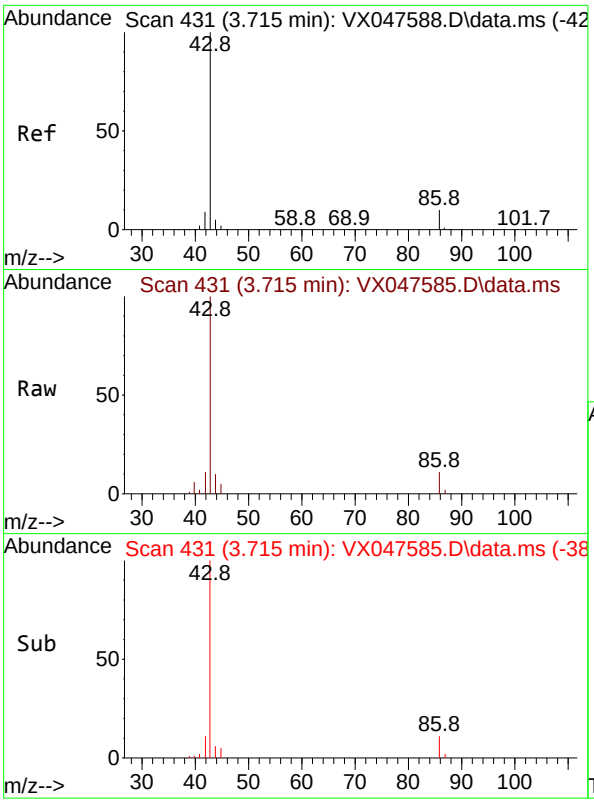


#22
Diisopropyl ether
Concen: 0.832 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 45 Resp: 9738

Ion	Ratio	Lower	Upper
45	100		
43	117.9	81.0	121.4
87	23.7	20.3	30.5
59	14.1	9.0	13.4#



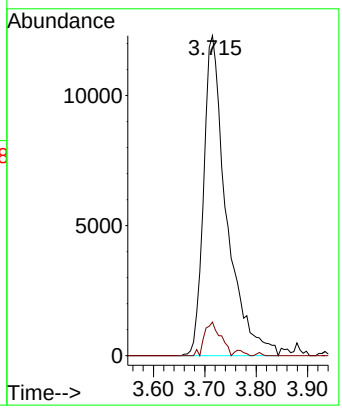


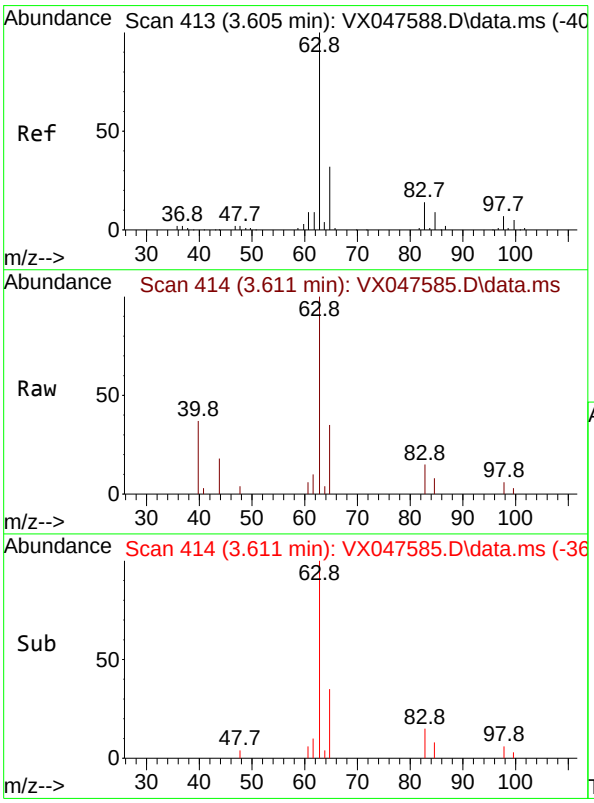
#23
Vinyl Acetate
Concen: 4.052 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 37962

Ion	Ratio	Lower	Upper
43	100		
86	10.9	7.8	11.8

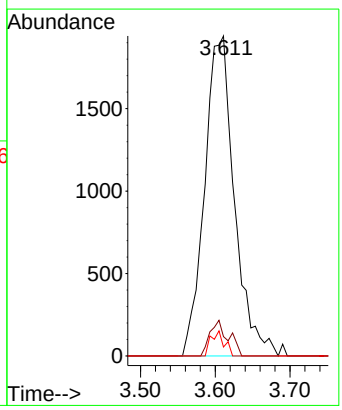


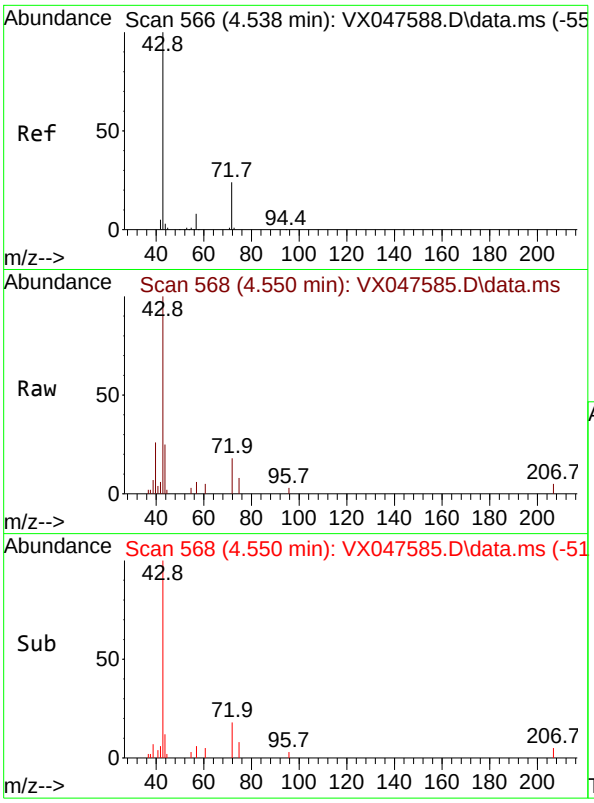


#24
1,1-Dichloroethane
Concen: 0.863 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 63 Resp: 5372

Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.8	11.2
100	2.8	2.3	6.9



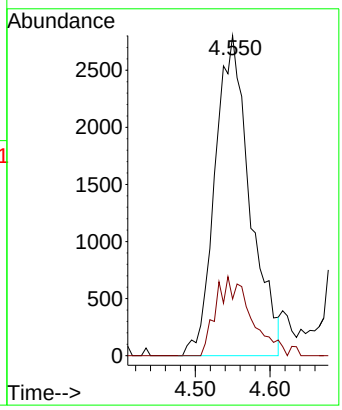


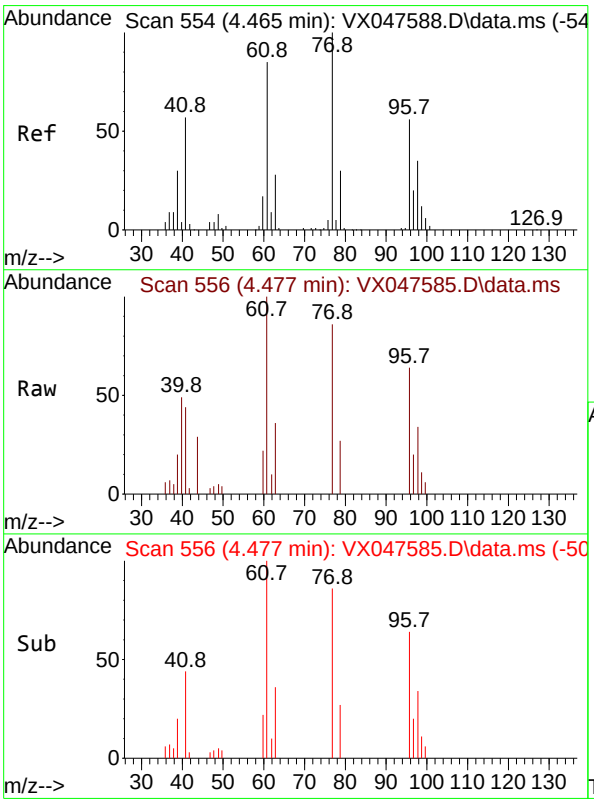
#25
2-Butanone
Concen: 4.281 ug/l
RT: 4.550 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 9105

Ion	Ratio	Lower	Upper
43	100		
72	16.3	20.1	30.1#

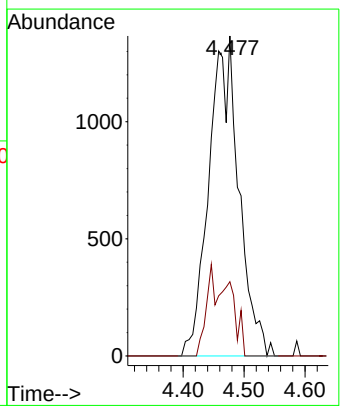


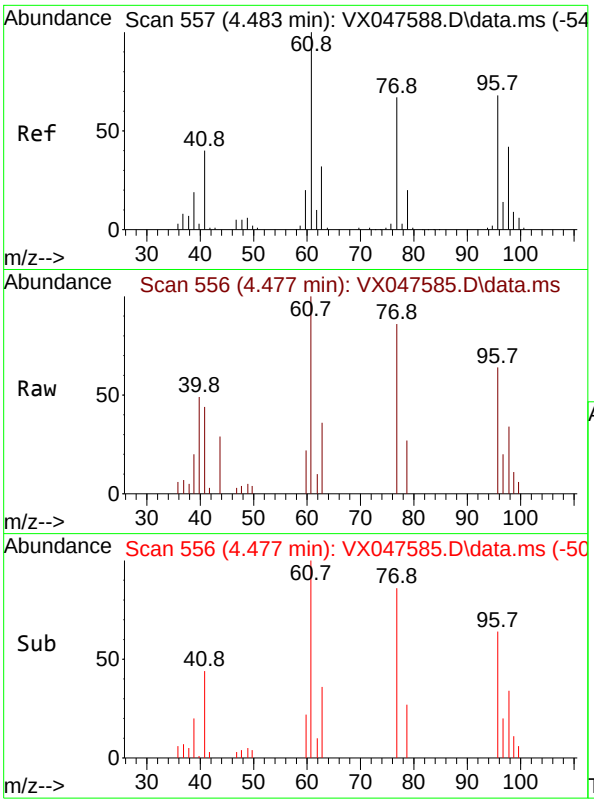


#26
2,2-Dichloropropane
Concen: 0.901 ug/l
RT: 4.477 min Scan# 556
Delta R.T. 0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 77 Resp: 4657

Ion	Ratio	Lower	Upper
77	100		
97	11.0	10.9	32.7



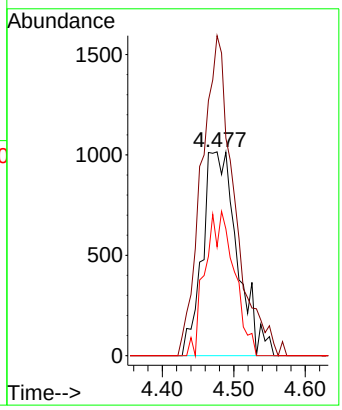


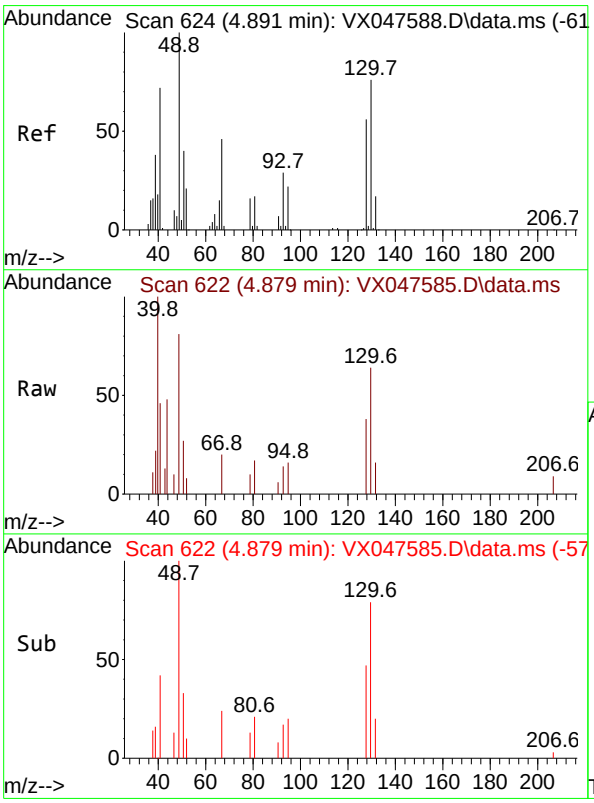
#27
cis-1,2-Dichloroethene
Concen: 0.891 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 3440

Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	303.2
98	59.4	0.0	127.8

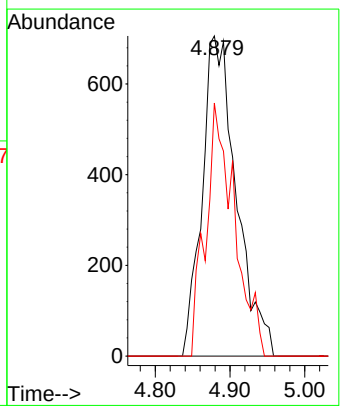


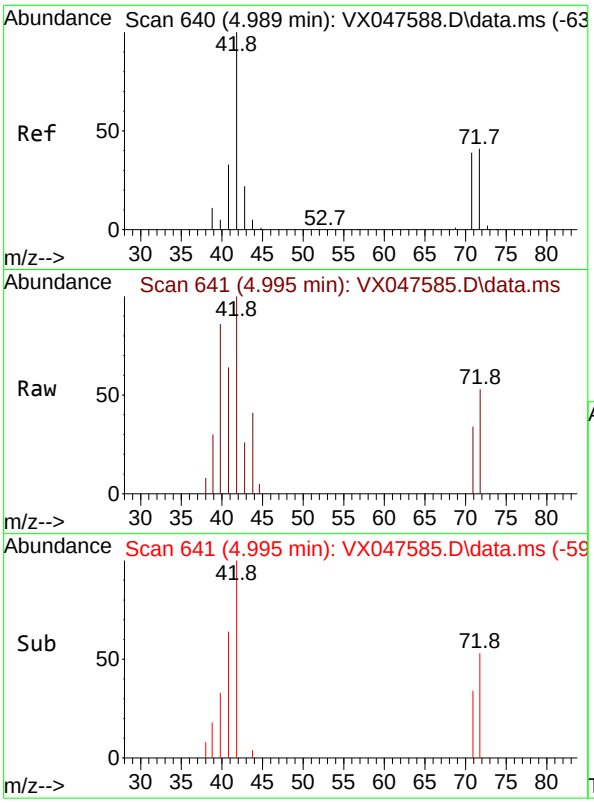


#28
Bromochloromethane
Concen: 0.829 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 49 Resp: 2251

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.2
130	66.2	57.8	86.8



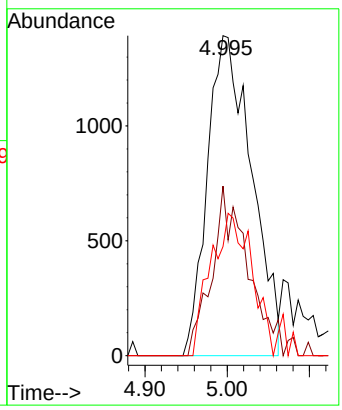


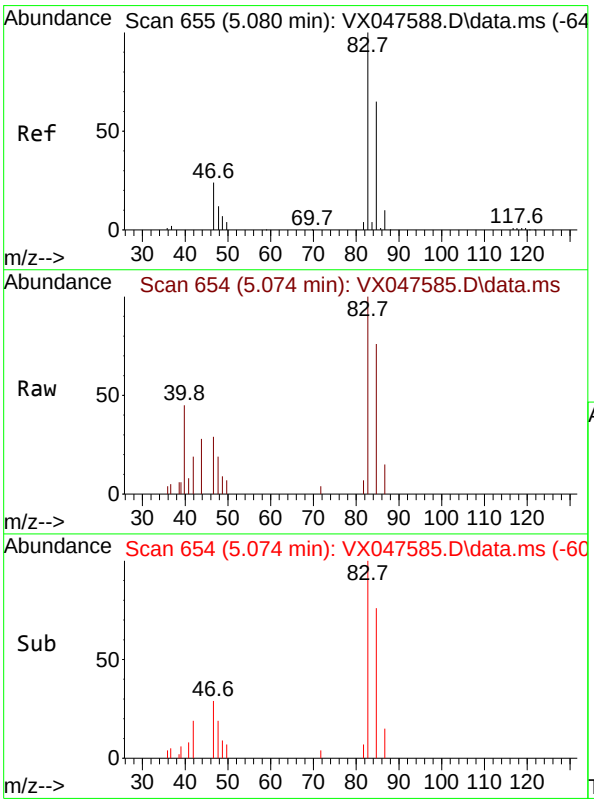
#29
Tetrahydrofuran
Concen: 4.072 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 5210

Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.2	51.2
71	41.3	31.9	47.9

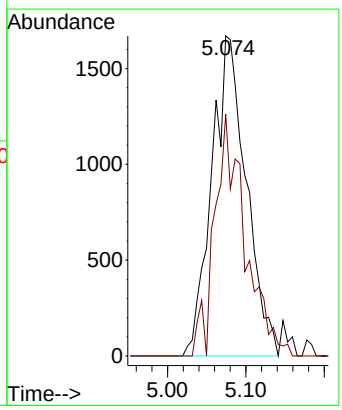


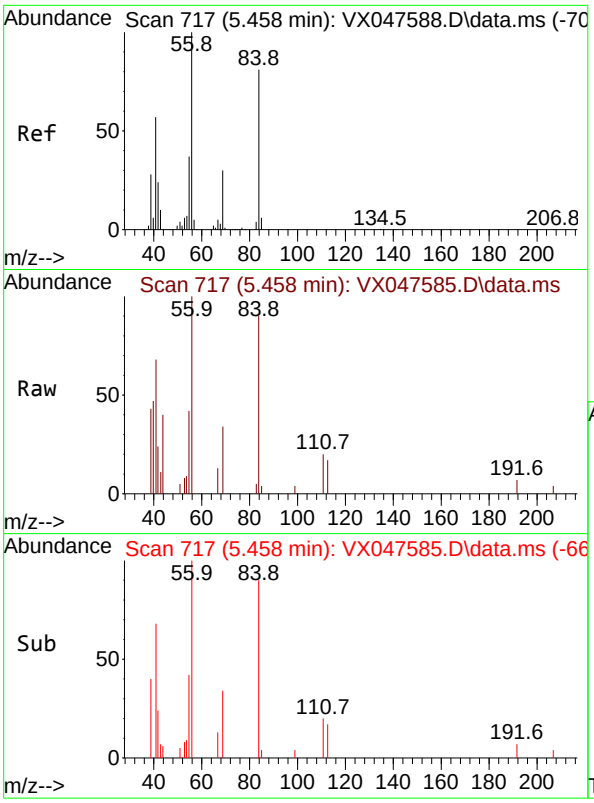


#30
Chloroform
Concen: 0.810 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 83 Resp: 5093

Ion	Ratio	Lower	Upper
83	100		
85	75.6	51.8	77.6



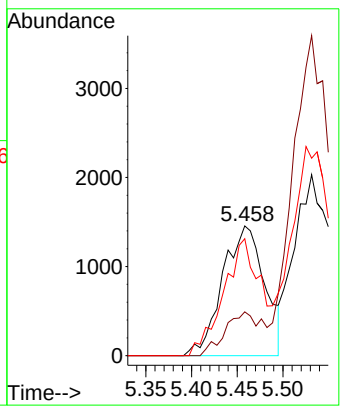


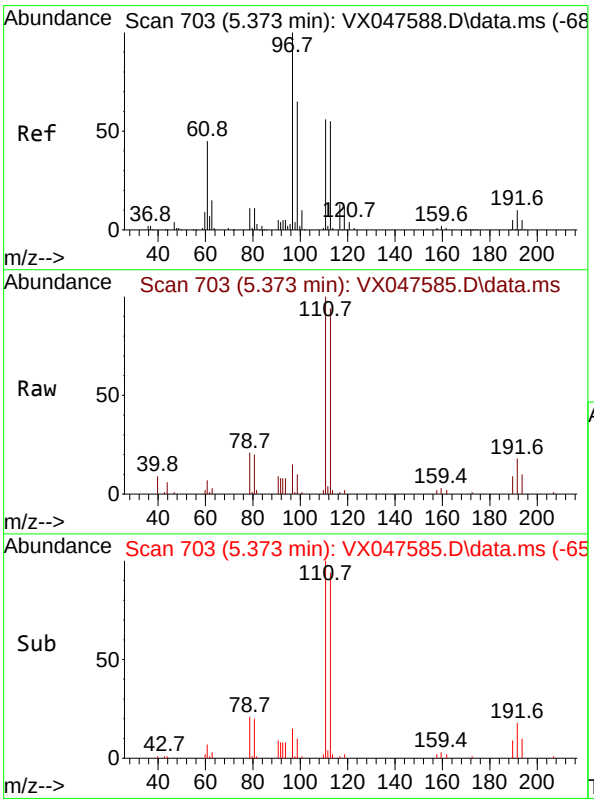
#31
Cyclohexane
Concen: 0.901 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 4668

Ion	Ratio	Lower	Upper
56	100		
69	33.8	23.8	35.8
84	90.0	64.6	97.0

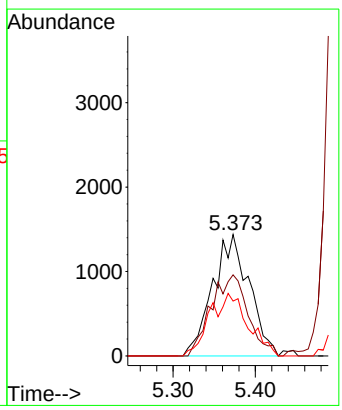


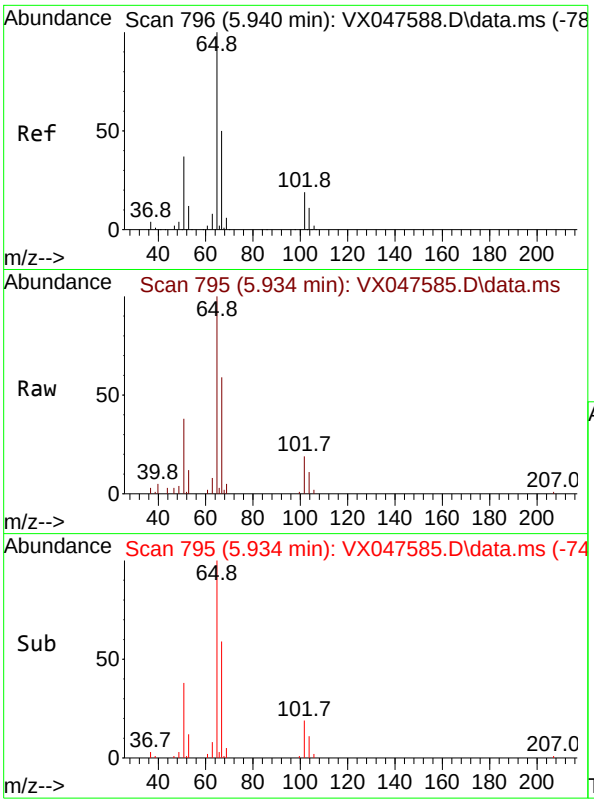


#32
1,1,1-Trichloroethane
Concen: 0.832 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 97 Resp: 4439

Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.6	76.0#
61	36.2	35.8	53.8



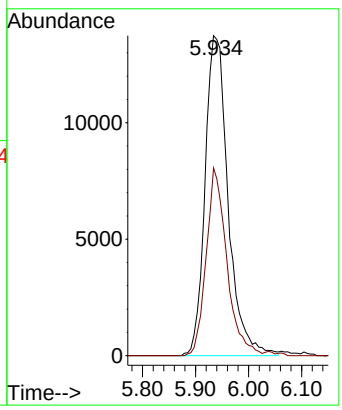


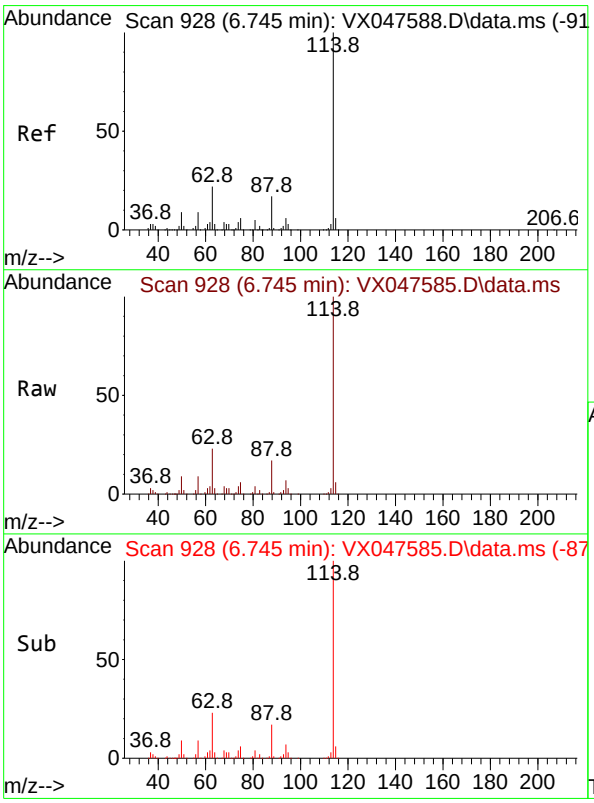
#33
1,2-Dichloroethane-d4
Concen: 10.583 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 65 Resp: 41500

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	103.0

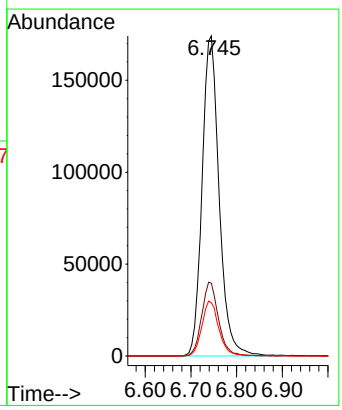


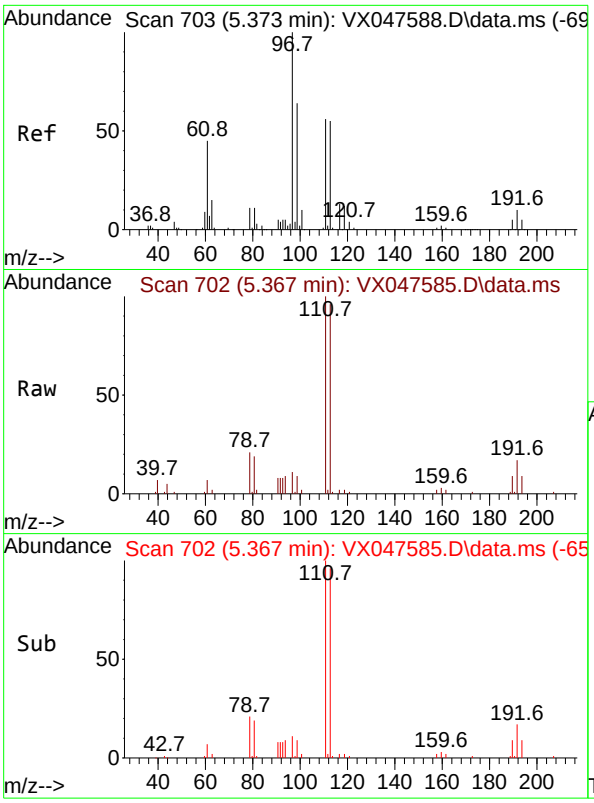


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:114 Resp: 451502

Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	44.0
88	16.6	0.0	34.2



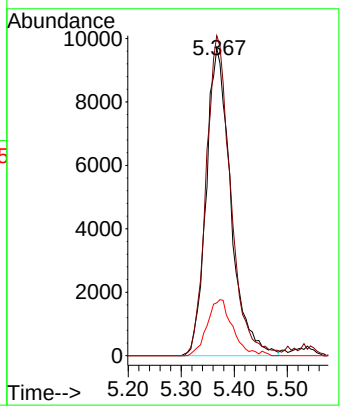


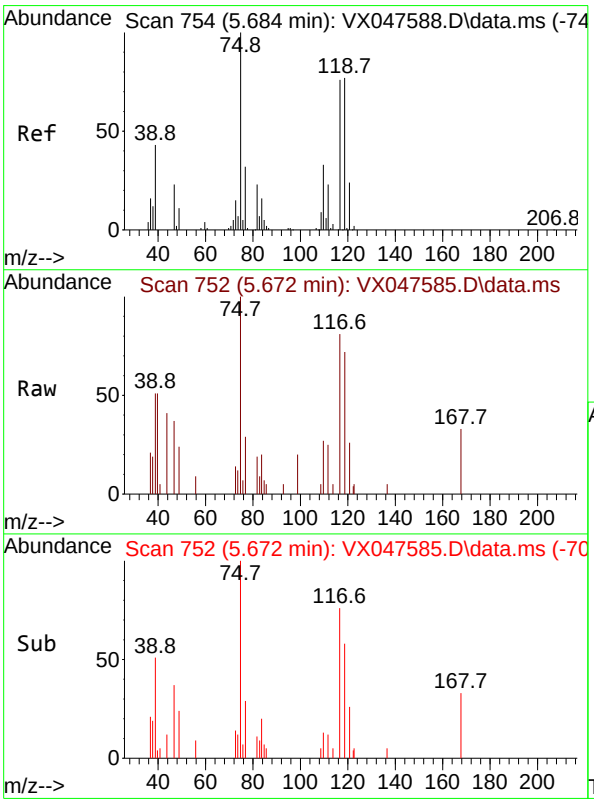
#35
Dibromofluoromethane
Concen: 10.300 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:113 Resp: 31188

Ion	Ratio	Lower	Upper
113	100		
111	103.7	80.9	121.3
192	18.6	14.2	21.4

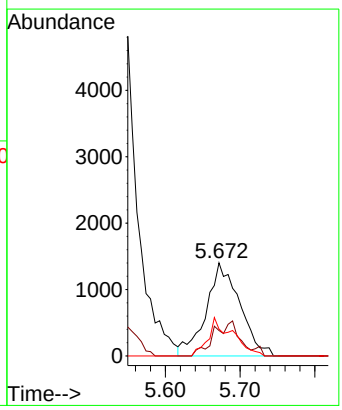


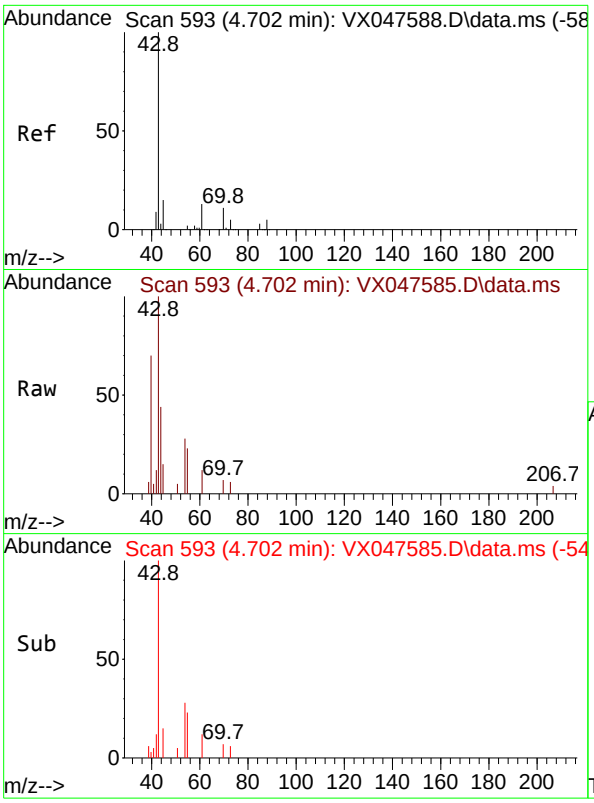


#36
1,1-Dichloropropene
Concen: 0.988 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 4373

Ion	Ratio	Lower	Upper
75	100		
110	0.0	16.7	50.1#
77	30.0	24.3	36.5



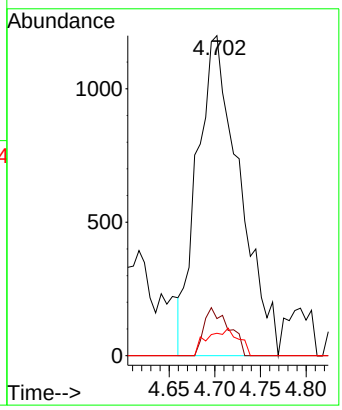


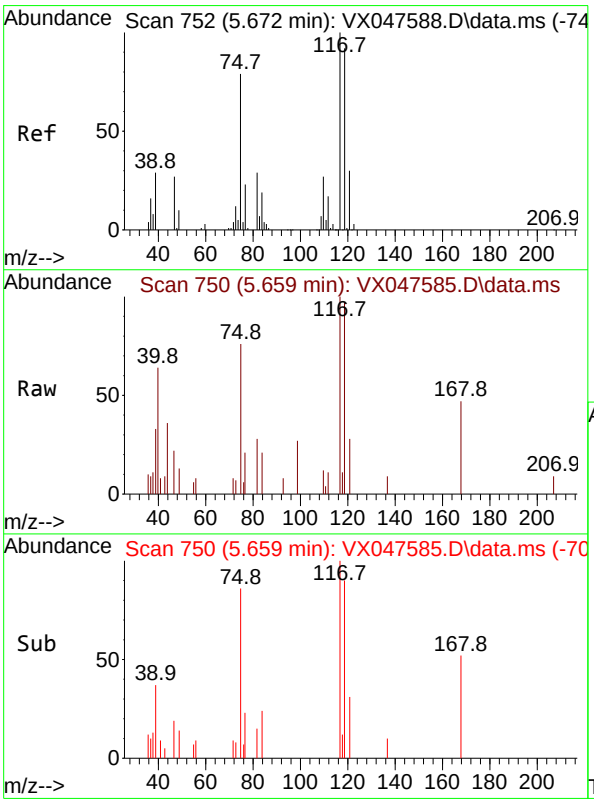
#37
Ethyl Acetate
Concen: 0.818 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 3873

Ion	Ratio	Lower	Upper
43	100		
61	8.9	9.8	14.8#
70	6.2	7.9	11.9#

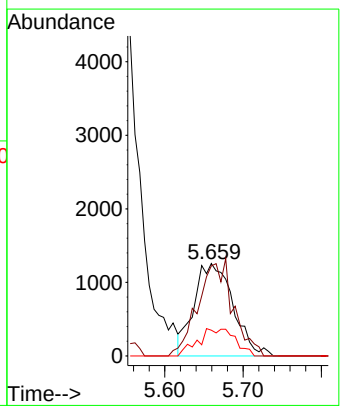


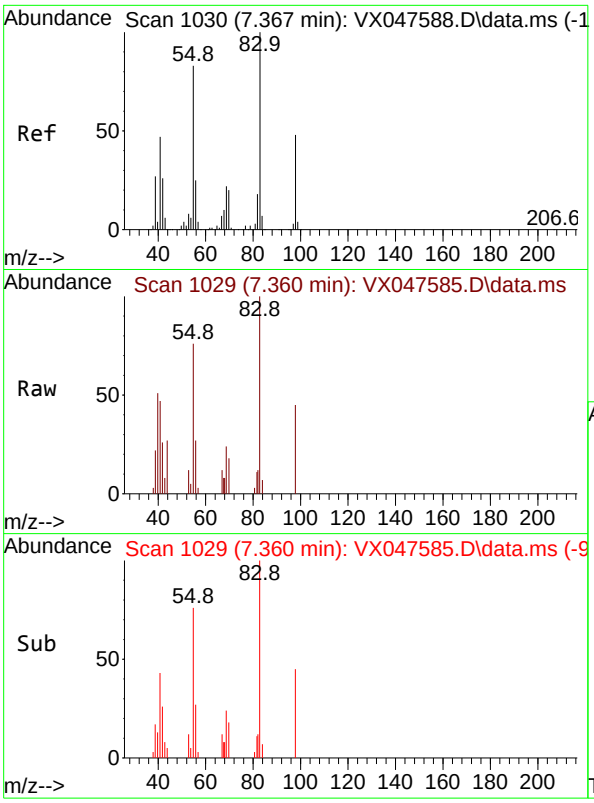


#38
Carbon Tetrachloride
Concen: 0.905 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:117 Resp: 4349

Ion	Ratio	Lower	Upper
117	100		
119	97.3	73.4	110.2
121	27.8	23.8	35.6



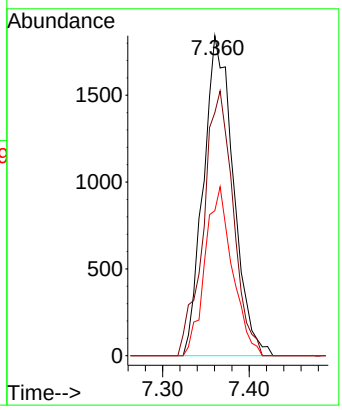


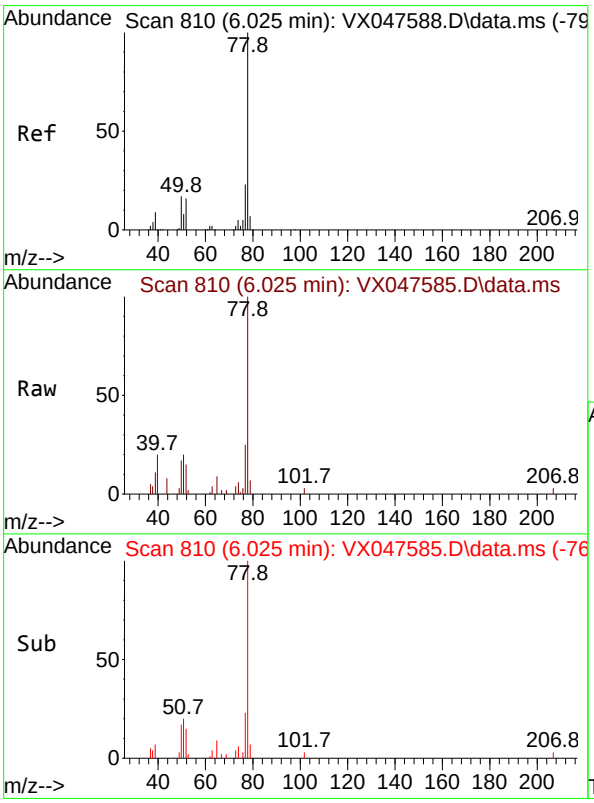
#39
Methylcyclohexane
Concen: 0.882 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 4428

Ion	Ratio	Lower	Upper
83	100		
55	76.0	66.4	99.6
98	45.3	38.1	57.1

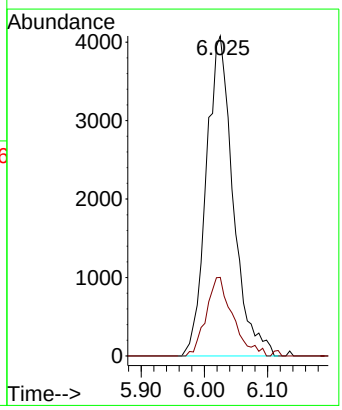


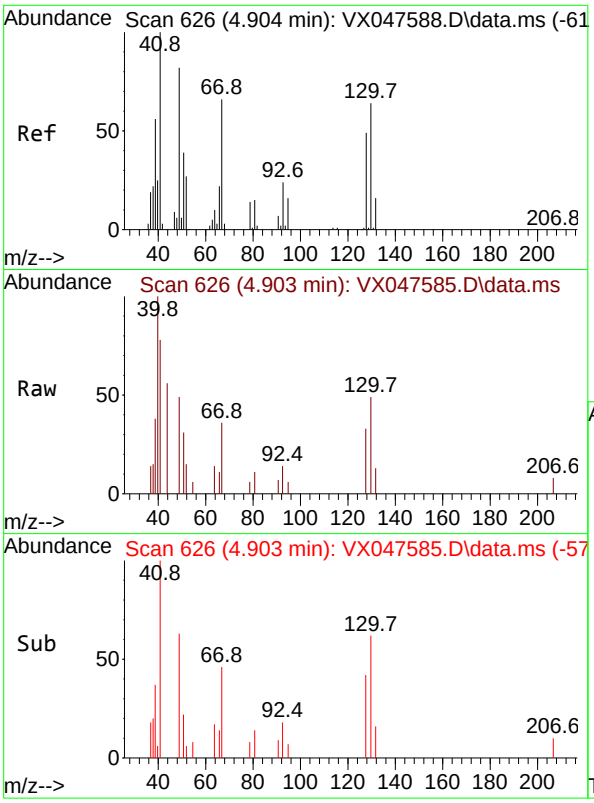


#40
Benzene
Concen: 0.894 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 78 Resp: 12012

Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.8	28.2



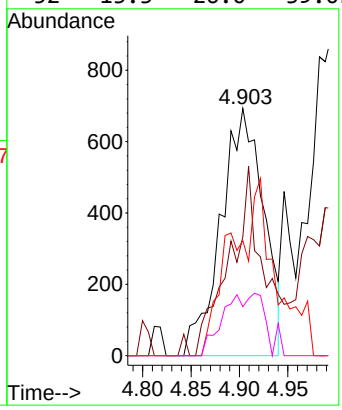


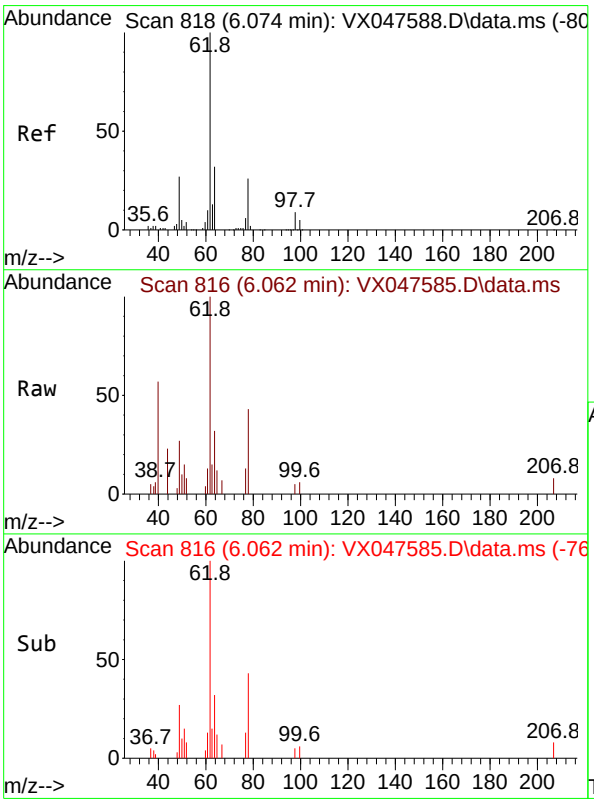
#41
Methacrylonitrile
Concen: 0.870 ug/l
RT: 4.903 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 2128

Ion	Ratio	Lower	Upper
41	100		
39	60.3	43.3	64.9
67	23.5	58.6	87.8#
52	13.3	26.0	39.0#

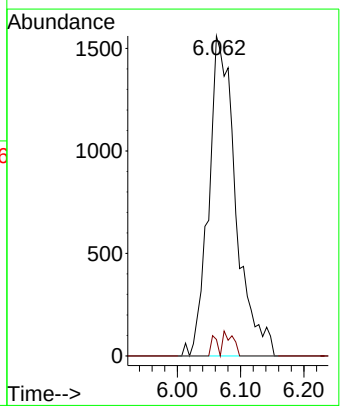


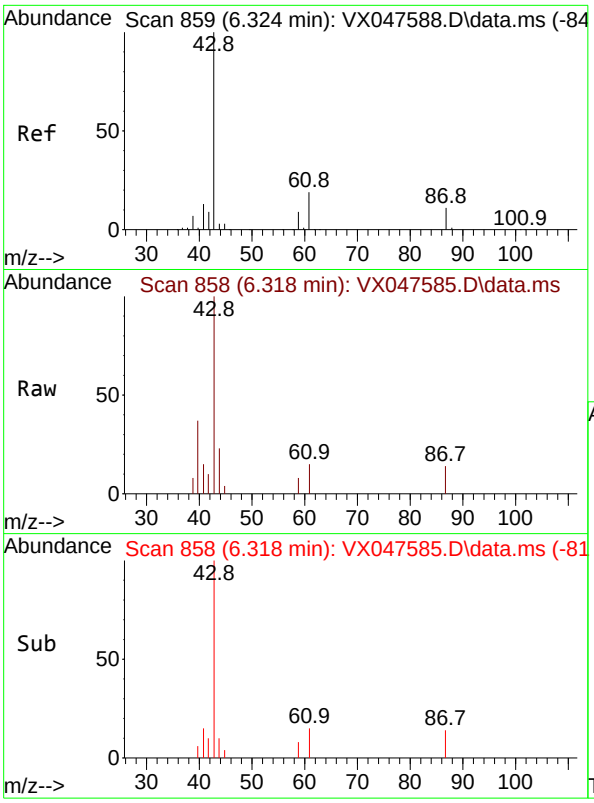


#42
1,2-Dichloroethane
Concen: 0.906 ug/l
RT: 6.062 min Scan# 816
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 62 Resp: 4634

Ion	Ratio	Lower	Upper
62	100		
98	1.4	0.0	17.0



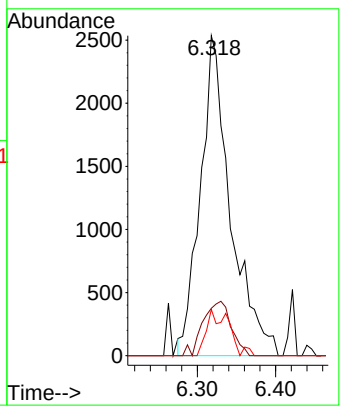


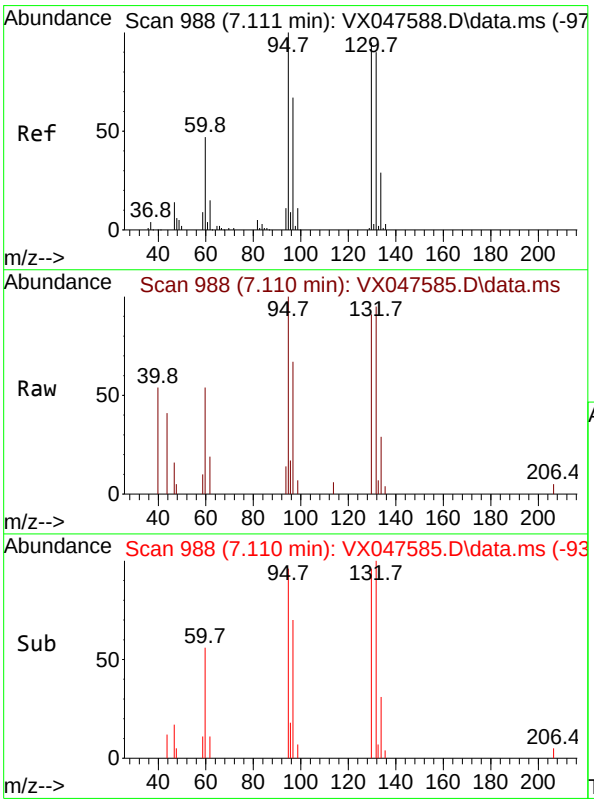
#43
Isopropyl Acetate
Concen: 0.873 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 6784

Ion	Ratio	Lower	Upper
43	100		
61	15.9	15.2	22.8
87	10.1	9.6	14.4

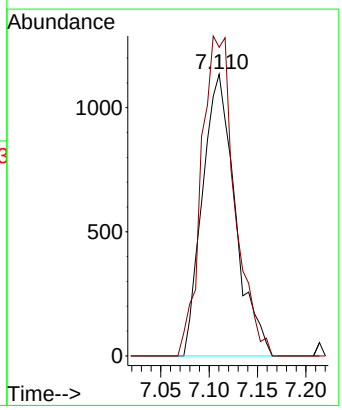


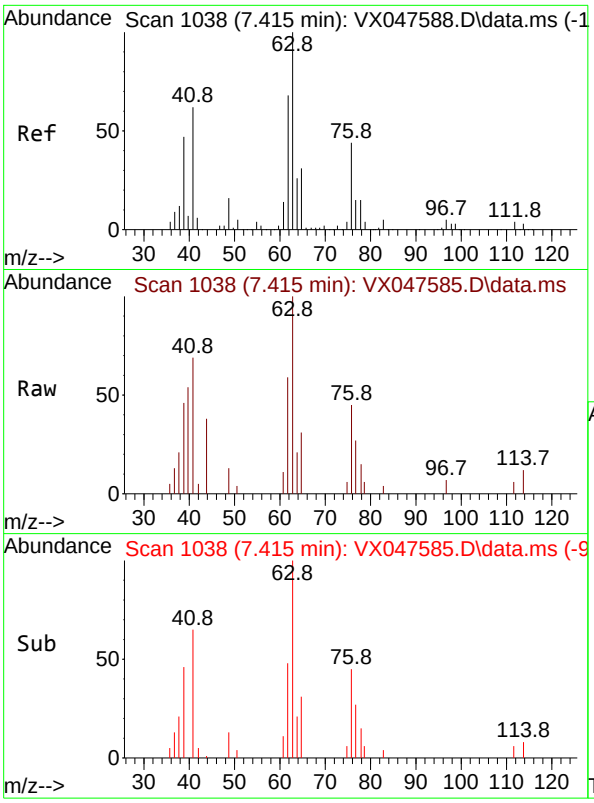


#44
Trichloroethene
Concen: 0.824 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:130 Resp: 2677

Ion	Ratio	Lower	Upper
130	100		
95	127.9	0.0	210.8



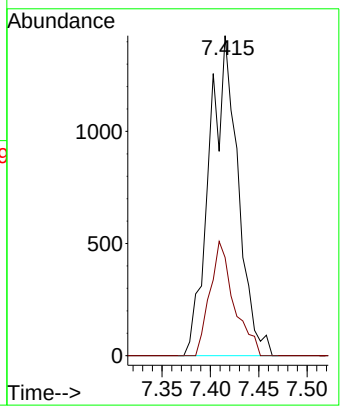


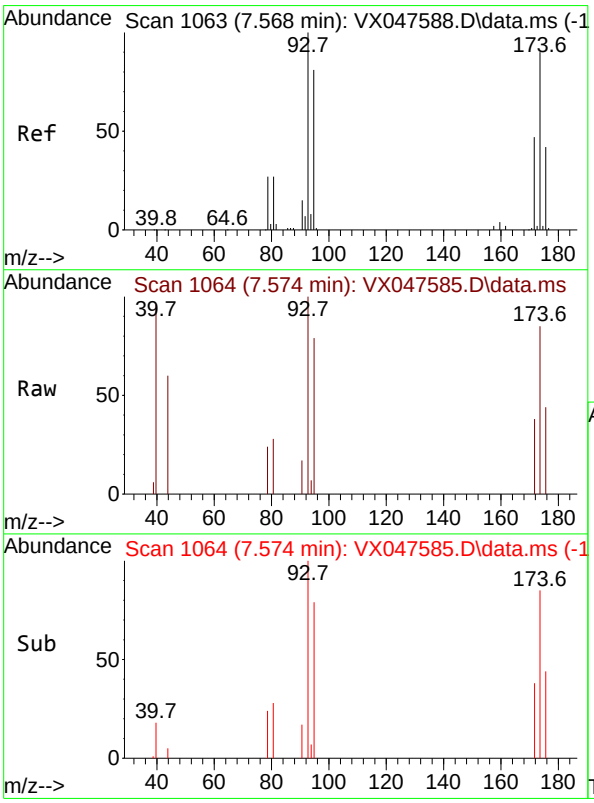
#45
1,2-Dichloropropane
Concen: 0.856 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 2945

Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1

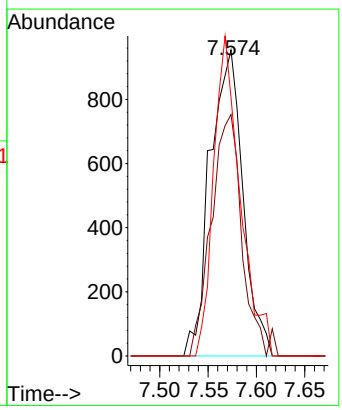


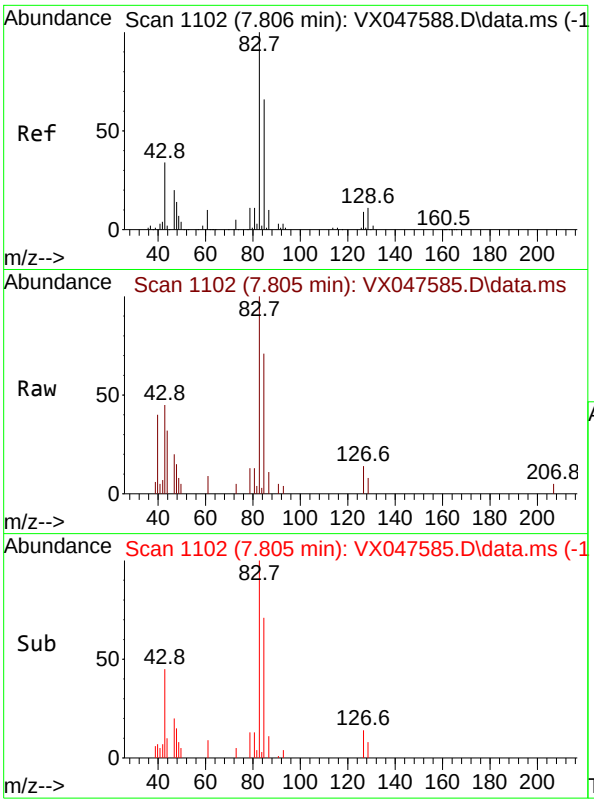


#46
Dibromomethane
Concen: 0.895 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 93 Resp: 2240

Ion	Ratio	Lower	Upper
93	100		
95	74.4	65.0	97.6
174	85.1	71.6	107.4



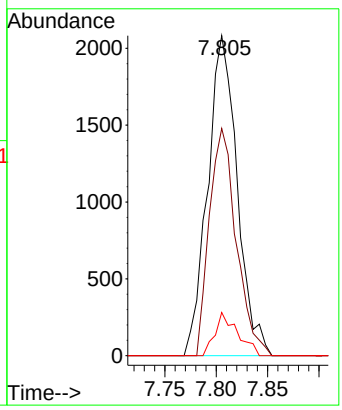


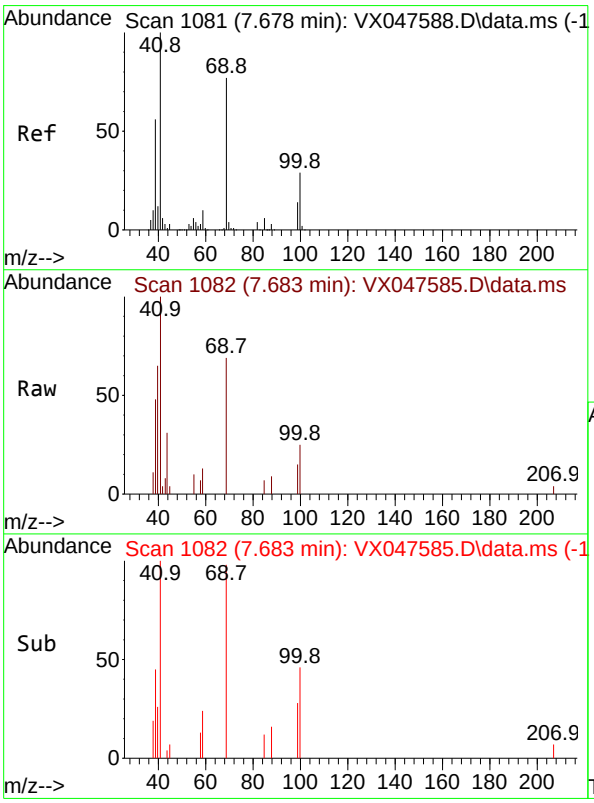
#47
Bromodichloromethane
Concen: 0.806 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 4167

Ion	Ratio	Lower	Upper
83	100		
85	71.0	52.5	78.7
127	13.5	6.9	10.3#

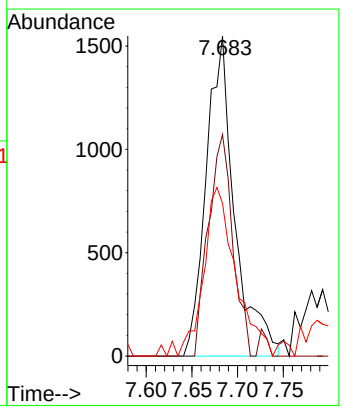


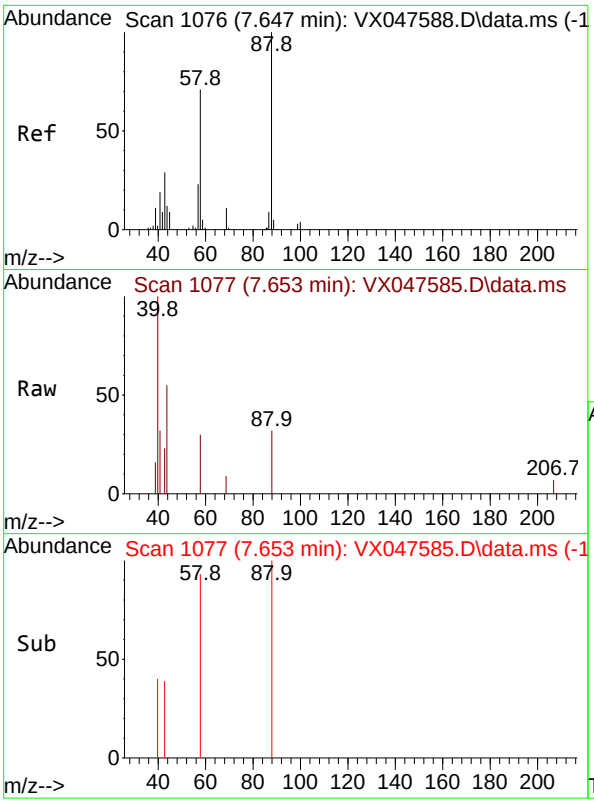


#48
Methyl methacrylate
Concen: 0.867 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 41 Resp: 3355

Ion	Ratio	Lower	Upper
41	100		
69	59.3	61.4	92.2#
39	59.5	45.8	68.6



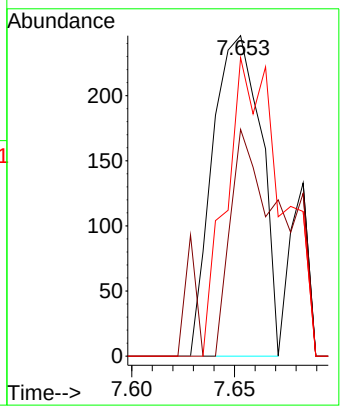


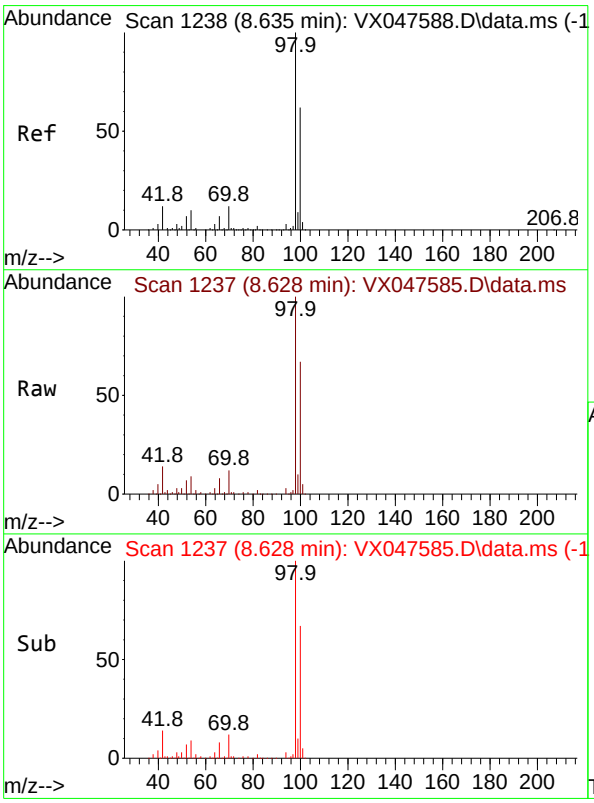
#49
1,4-Dioxane
Concen: 10.329 ug/l
RT: 7.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 88 Resp: 404

Ion	Ratio	Lower	Upper
88	100		
43	77.5	30.2	45.2#
58	107.4	59.5	89.3#

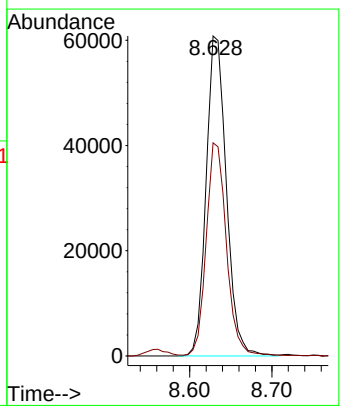


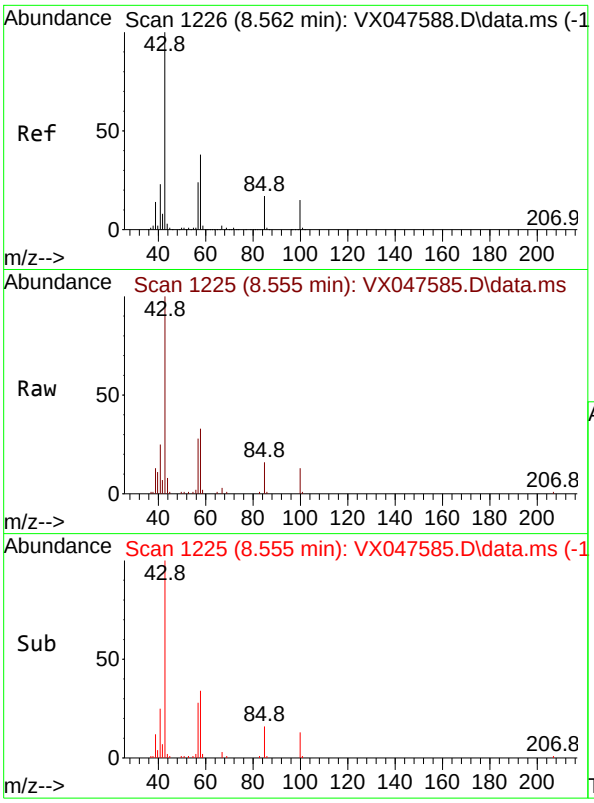


#50
Toluene-d8
Concen: 9.913 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 98 Resp: 103865

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.0	79.4



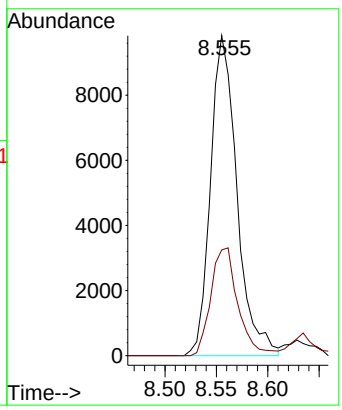


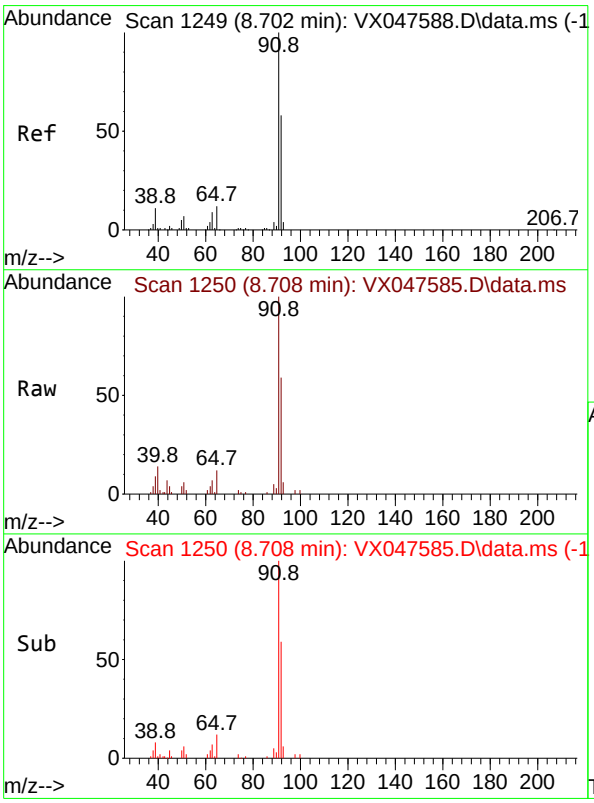
#51
4-Methyl-2-Pentanone
Concen: 4.085 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 17596

Ion	Ratio	Lower	Upper
43	100		
58	34.7	30.3	45.5

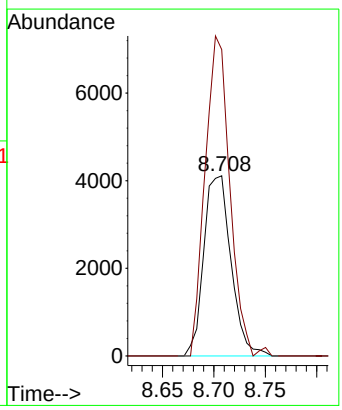


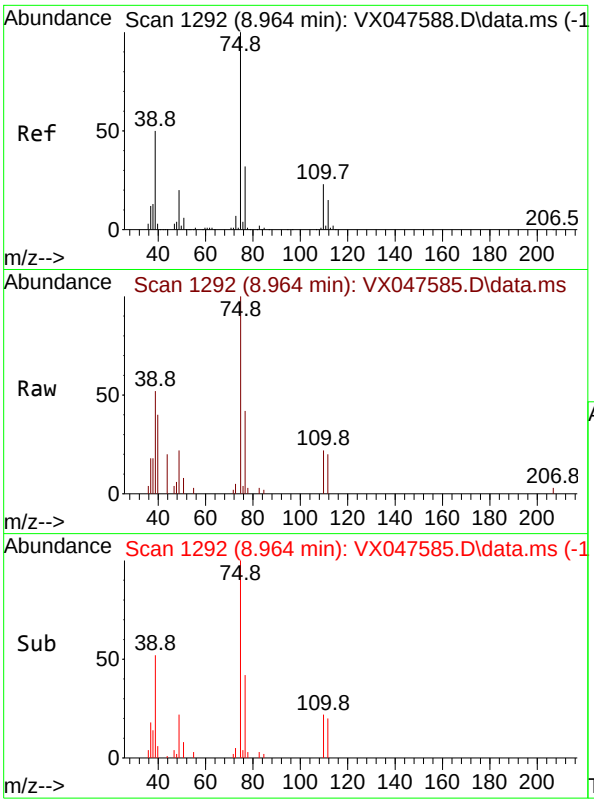


#52
Toluene
Concen: 0.917 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 92 Resp: 7595

Ion	Ratio	Lower	Upper
92	100		
91	160.7	137.1	205.7



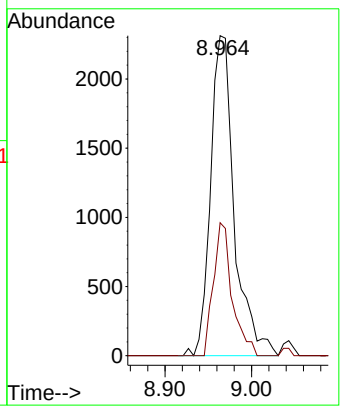


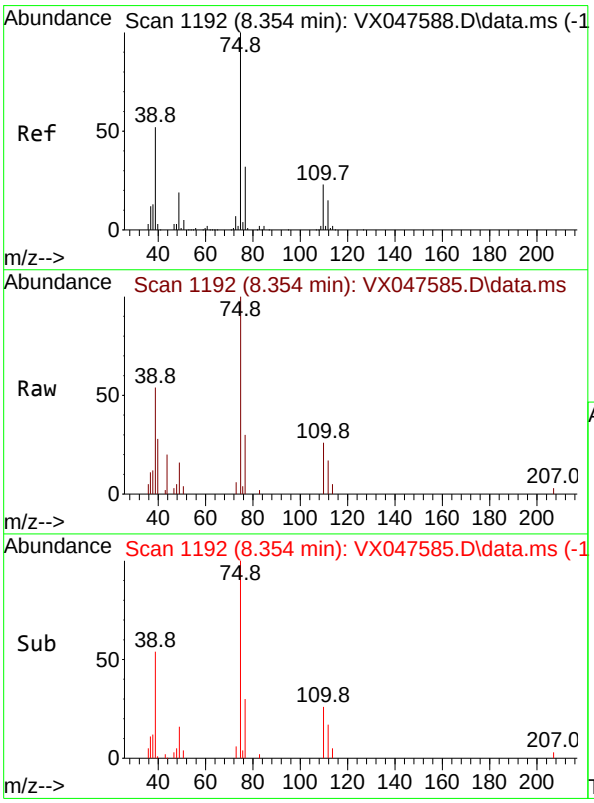
#53
t-1,3-Dichloropropene
Concen: 0.834 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 4398

Ion	Ratio	Lower	Upper
75	100		
77	41.5	25.4	38.2#

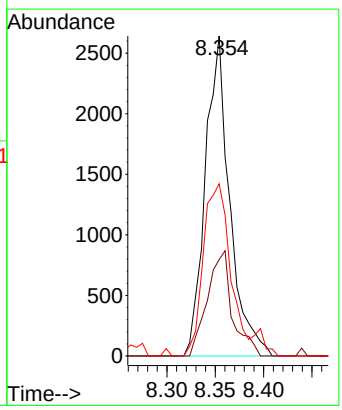


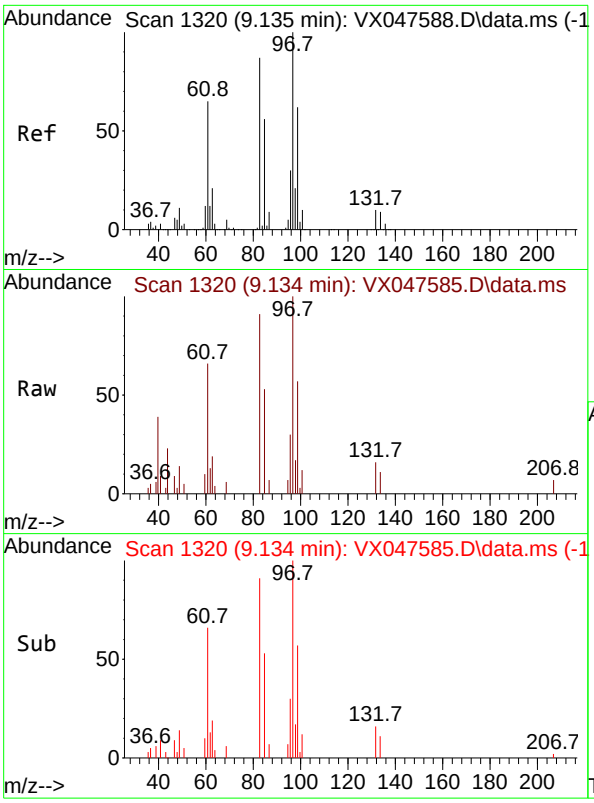


#54
cis-1,3-Dichloropropene
Concen: 0.823 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 4635

Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.8	38.6
39	25.6	41.4	62.2#



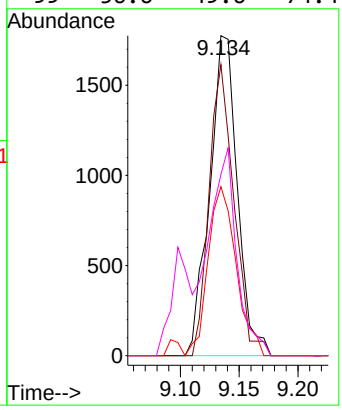


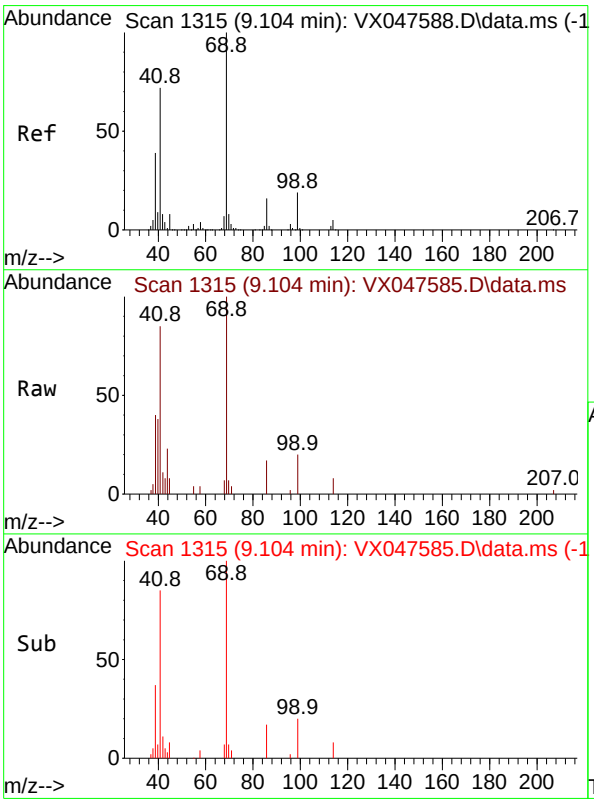
#55
1,1,2-Trichloroethane
Concen: 0.914 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 2918

Ion	Ratio	Lower	Upper
97	100		
83	90.9	69.6	104.4
85	52.8	45.0	67.6
99	56.6	49.6	74.4

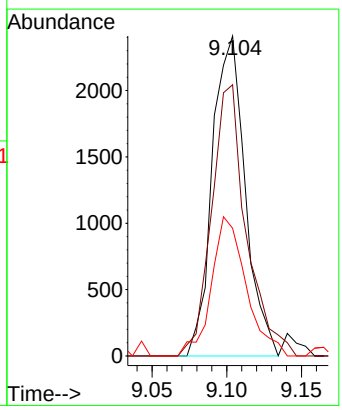


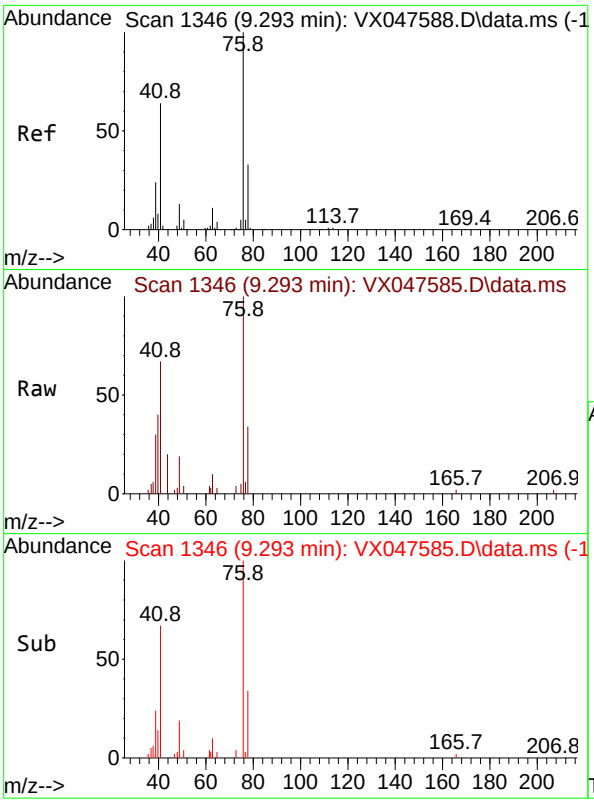


#56
Ethyl methacrylate
Concen: 0.734 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 69 Resp: 3679

Ion	Ratio	Lower	Upper
69	100		
41	89.4	58.6	87.8#
39	46.0	31.5	47.3



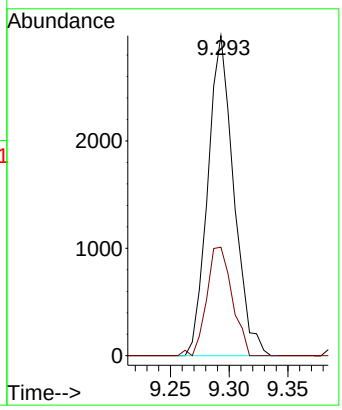


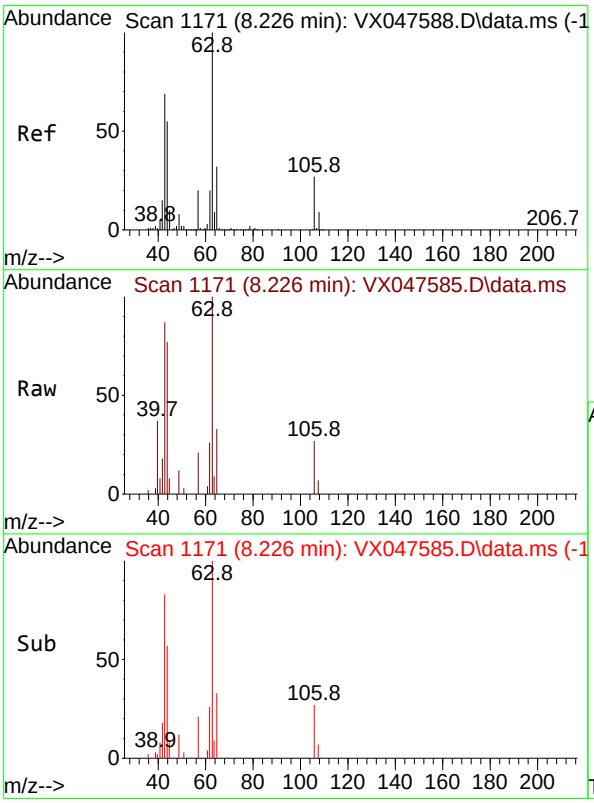
#57
1,3-Dichloropropane
Concen: 0.835 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 4580

Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.2	39.4

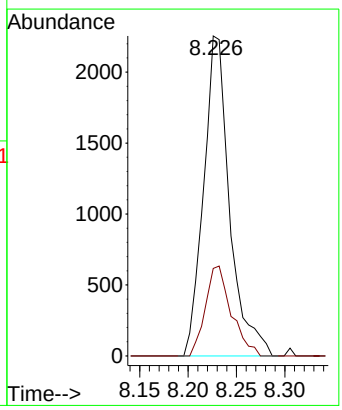


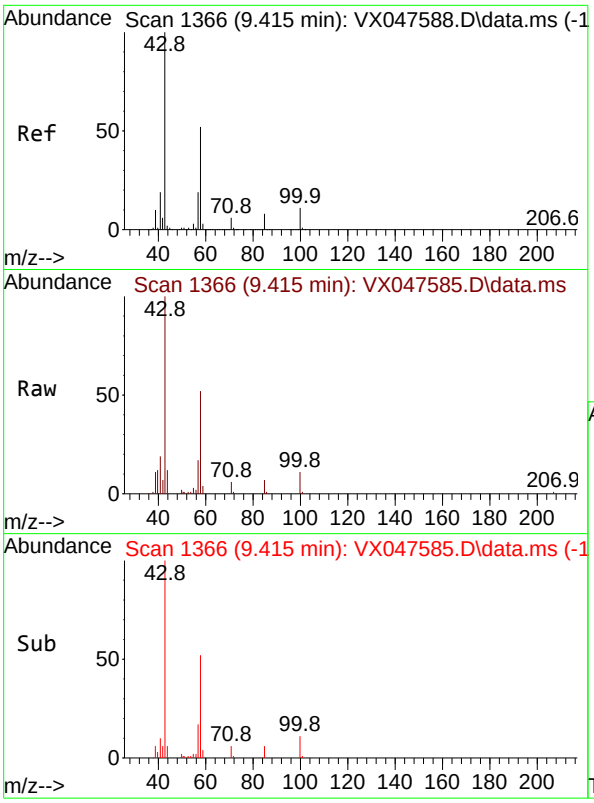


#58
2-Chloroethyl Vinyl ether
Concen: 9.665 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 63 Resp: 4222

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.9	32.9



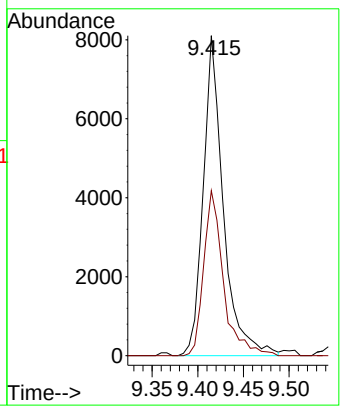


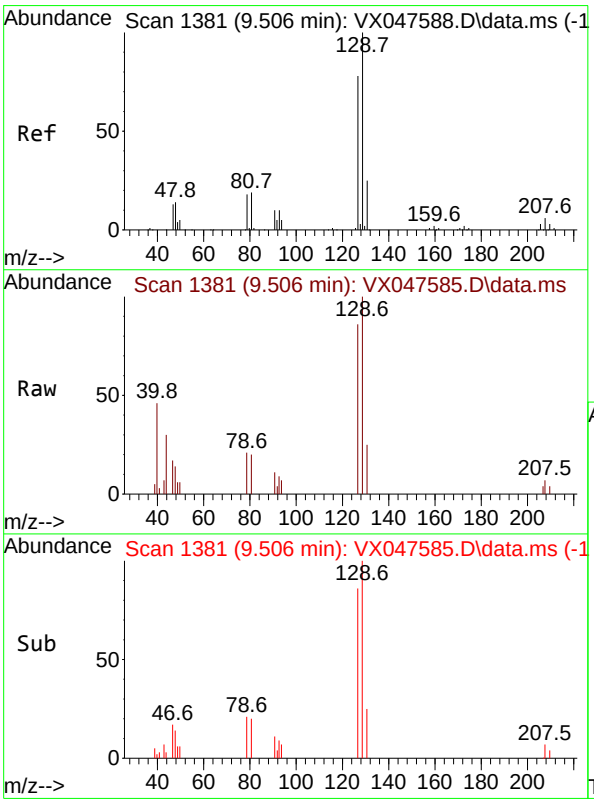
#59
2-Hexanone
Concen: 4.003 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 12385

Ion	Ratio	Lower	Upper
43	100		
58	50.7	26.1	78.2

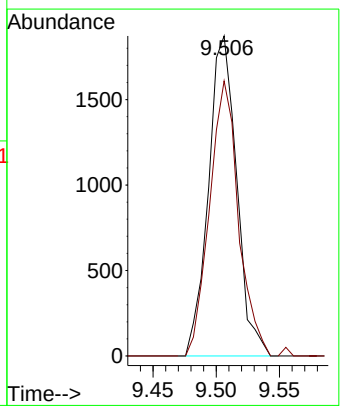


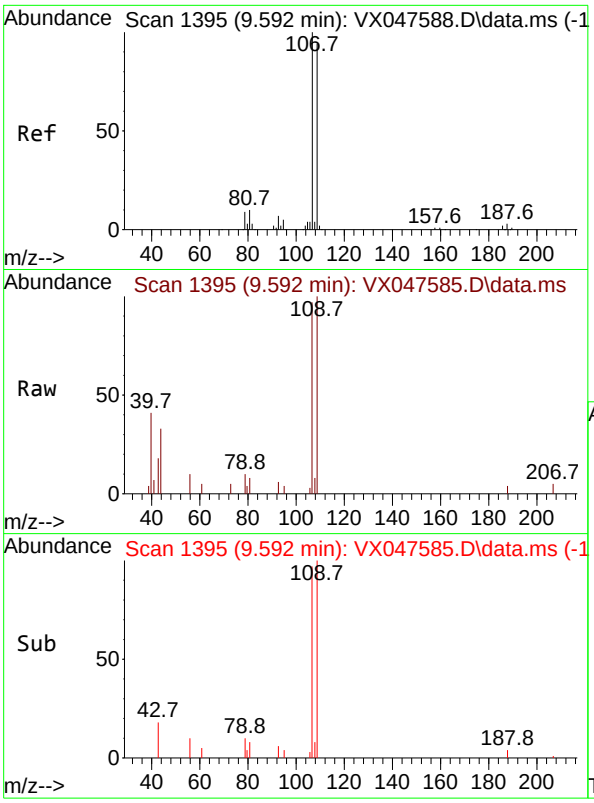


#60
Dibromochloromethane
Concen: 0.789 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:129 Resp: 2903

Ion	Ratio	Lower	Upper
129	100		
127	88.2	38.4	115.2



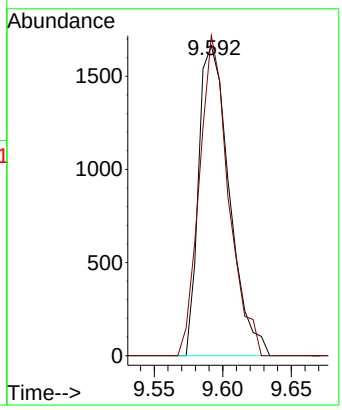


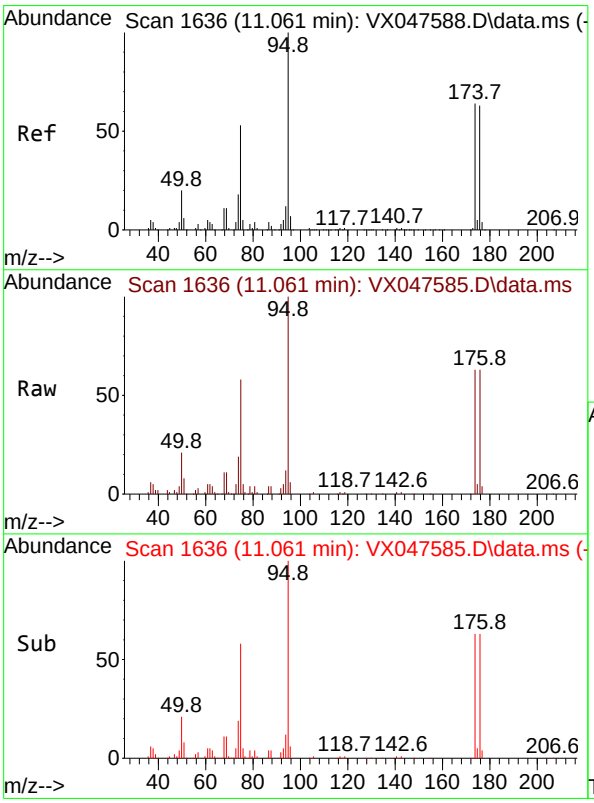
#61
1,2-Dibromoethane
Concen: 0.798 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 2596

Ion	Ratio	Lower	Upper
107	100		
109	97.7	75.3	112.9

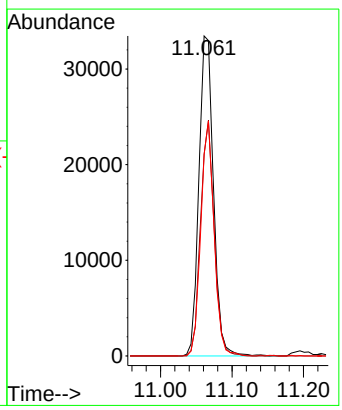


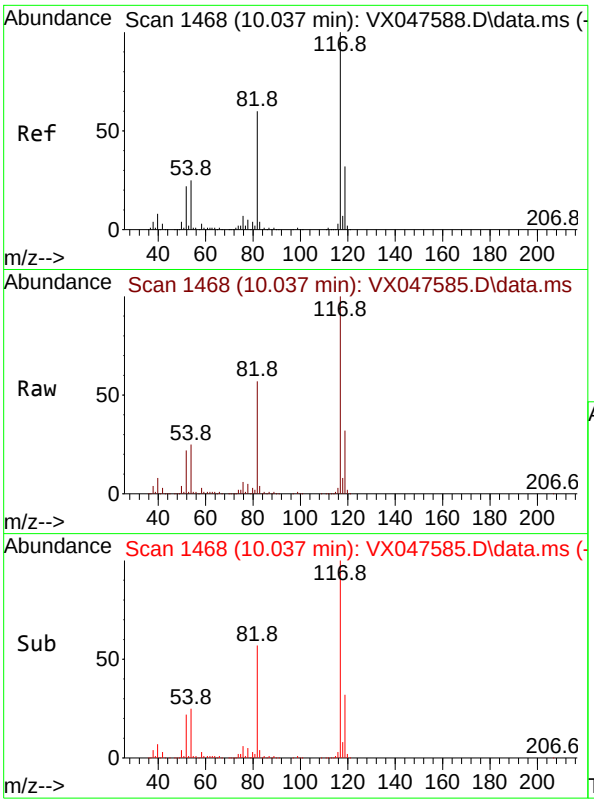


#62
4-Bromofluorobenzene
Concen: 11.900 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 95 Resp: 47321

Ion	Ratio	Lower	Upper
95	100		
174	68.9	0.0	141.6
176	67.0	0.0	138.4



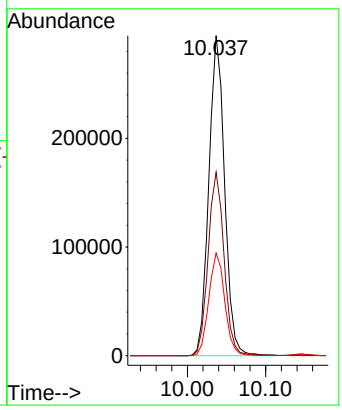


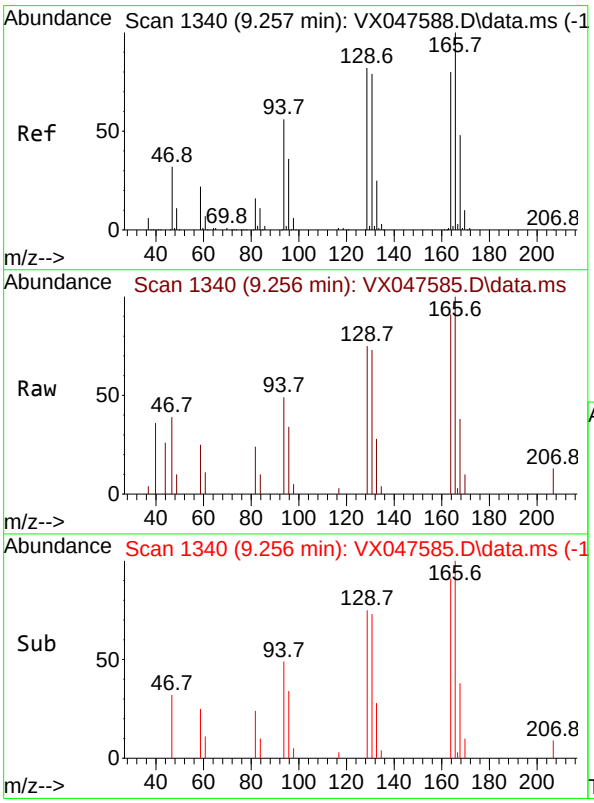
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 410953

Ion	Ratio	Lower	Upper
117	100		
82	57.3	47.8	71.6
119	32.1	25.2	37.8

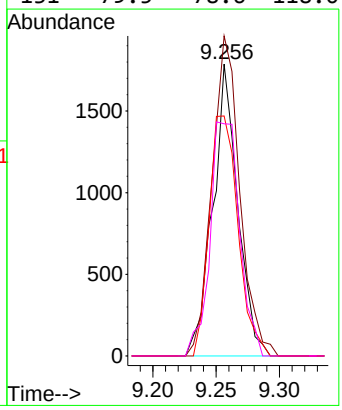


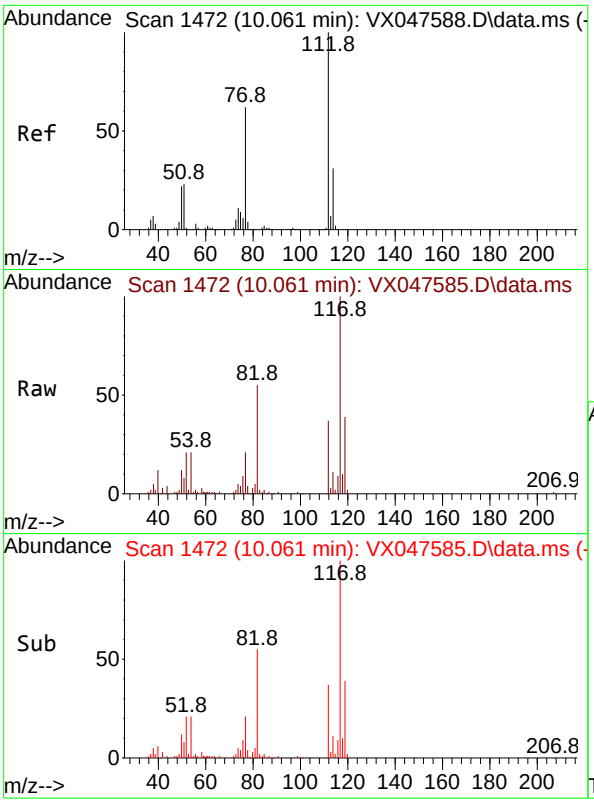


#64
Tetrachloroethene
Concen: 0.917 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:164 Resp: 2457

Ion	Ratio	Lower	Upper
164	100		
166	109.6	100.2	150.2
129	82.2	81.8	122.6
131	79.5	78.6	118.0



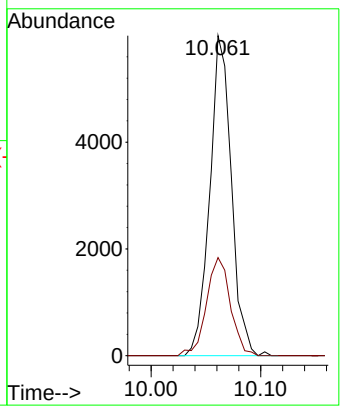


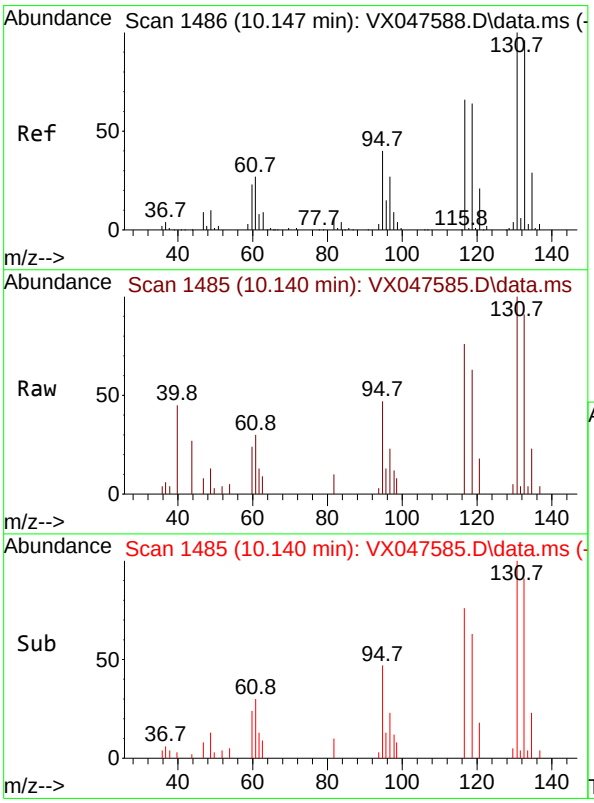
#65
Chlorobenzene
Concen: 0.879 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 8202

Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.1	37.7

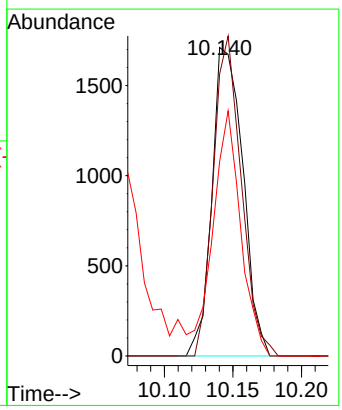


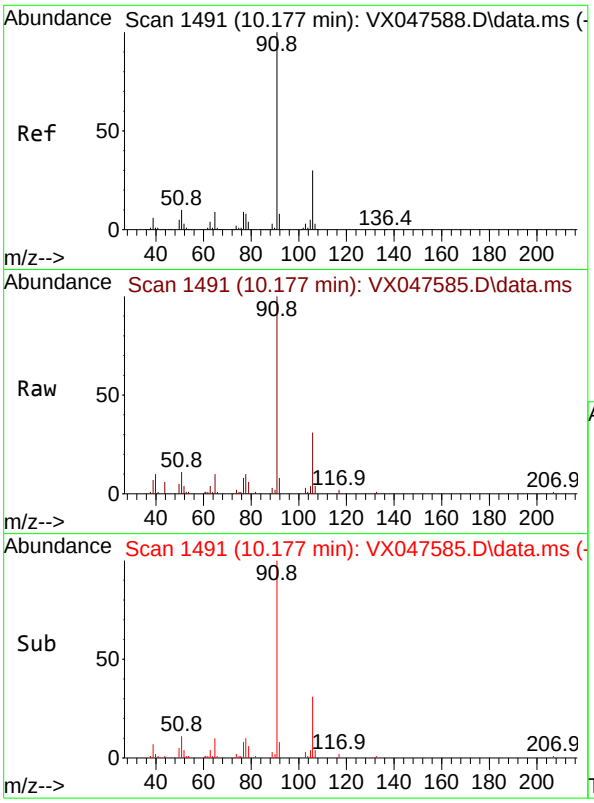


#66
1,1,1,2-Tetrachloroethane
Concen: 0.833 ug/l
RT: 10.140 min Scan# 1485
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:131 Resp: 2684

Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.3	142.0
119	0.0	32.0	96.0#



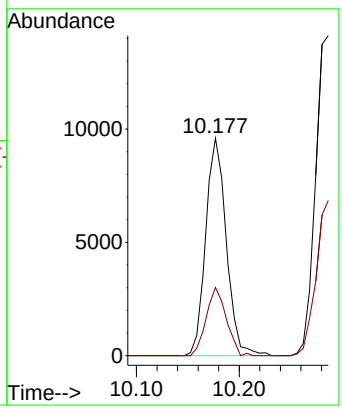


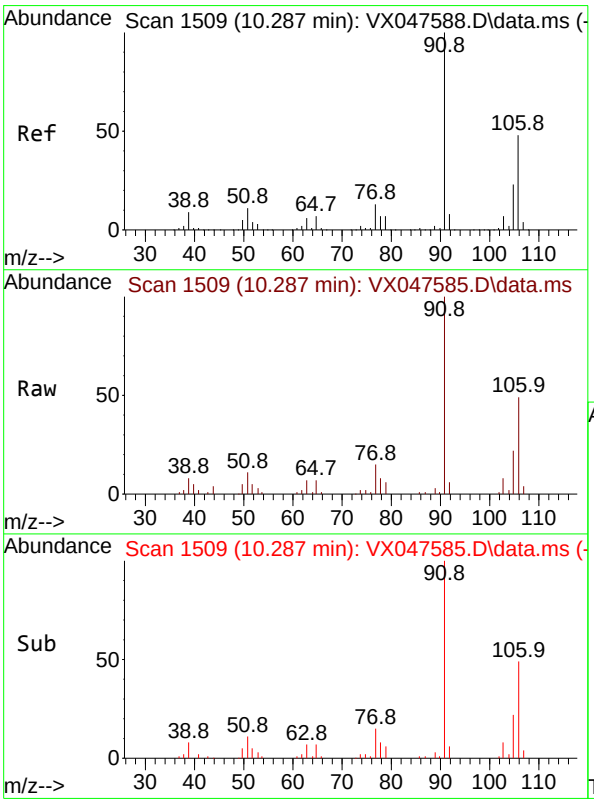
#67
Ethyl Benzene
Concen: 0.829 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 13360

Ion	Ratio	Lower	Upper
91	100		
106	31.3	24.3	36.5

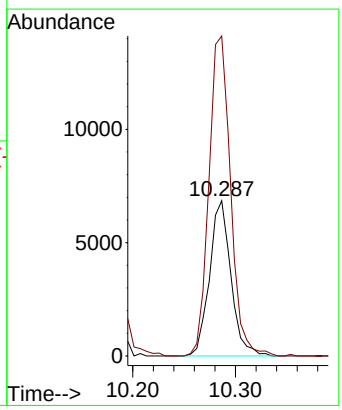


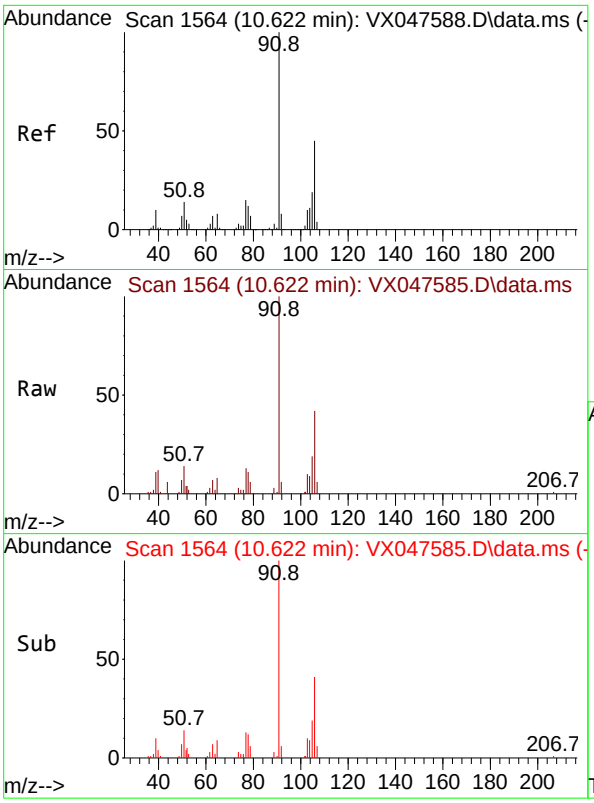


#68
m/p-Xylenes
Concen: 1.655 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:106 Resp: 9922

Ion	Ratio	Lower	Upper
106	100		
91	208.5	167.8	251.8



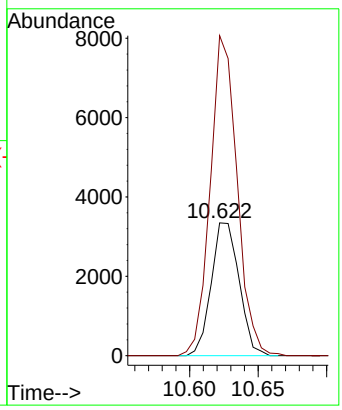


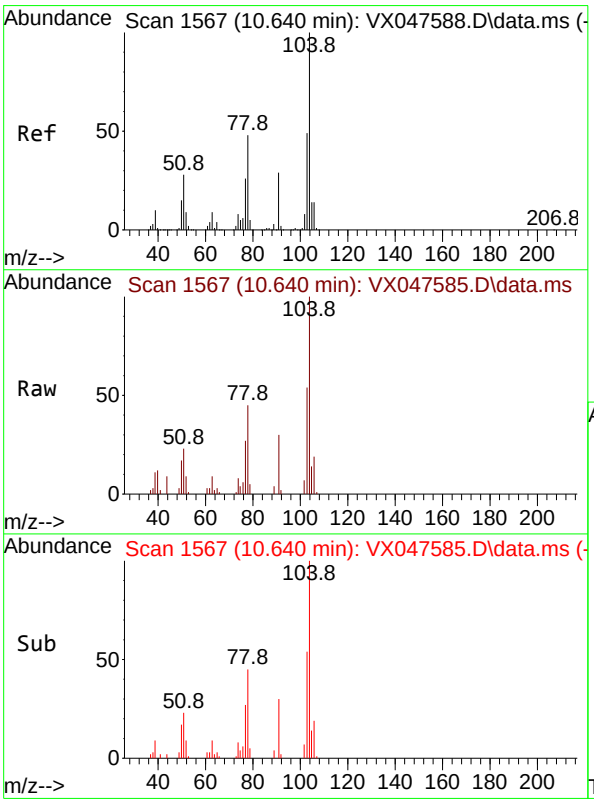
#69
o-Xylene
Concen: 0.816 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 4734

Ion	Ratio	Lower	Upper
106	100		
91	232.4	111.1	333.4

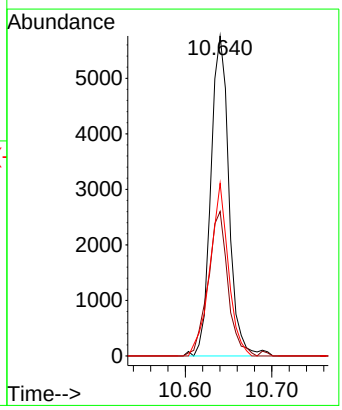


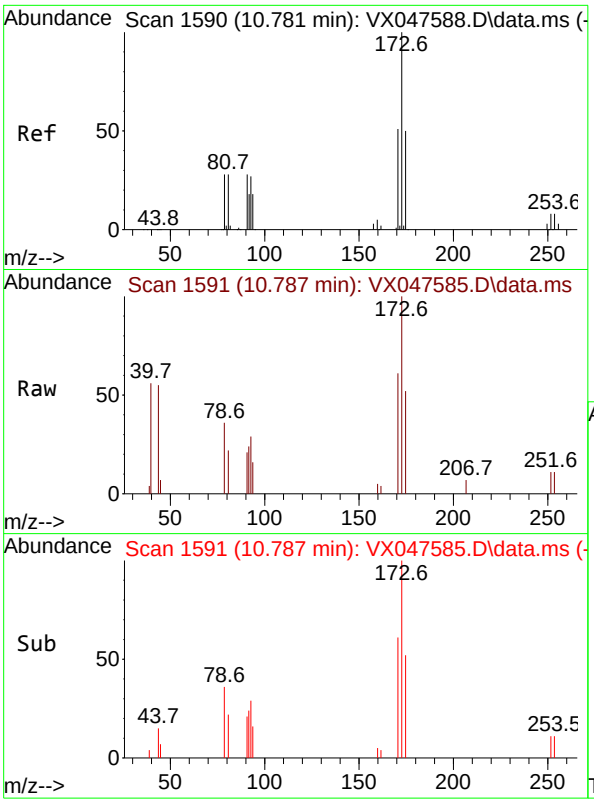


#70
Styrene
Concen: 0.824 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:104 Resp: 8377

Ion	Ratio	Lower	Upper
104	100		
78	49.5	43.1	64.7
103	55.0	43.1	64.7



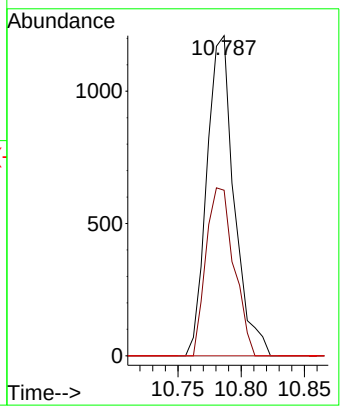


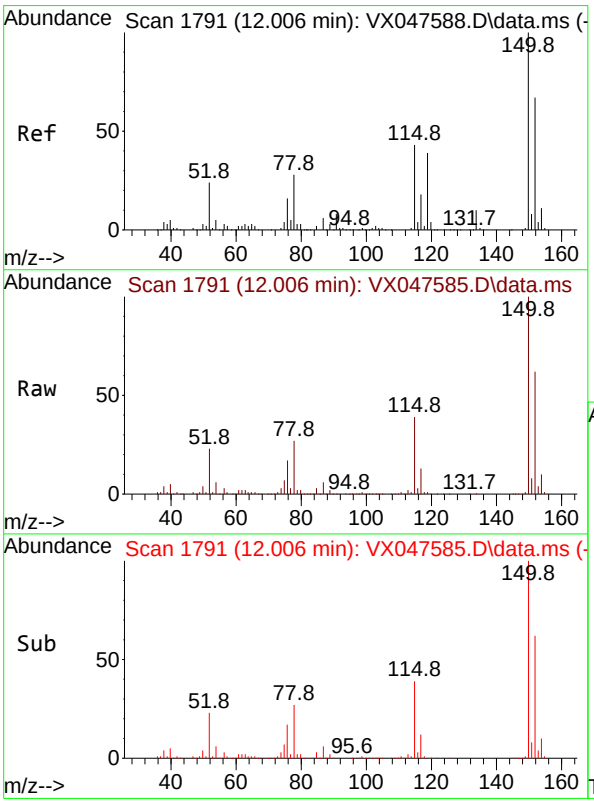
#71
Bromoform
Concen: 0.755 ug/l
RT: 10.787 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 1816

Ion	Ratio	Lower	Upper
173	100		
175	53.8	24.9	74.6
254	0.0	0.1	0.1#

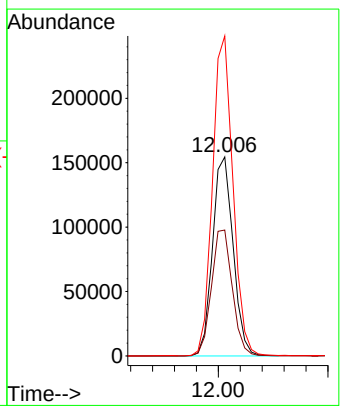


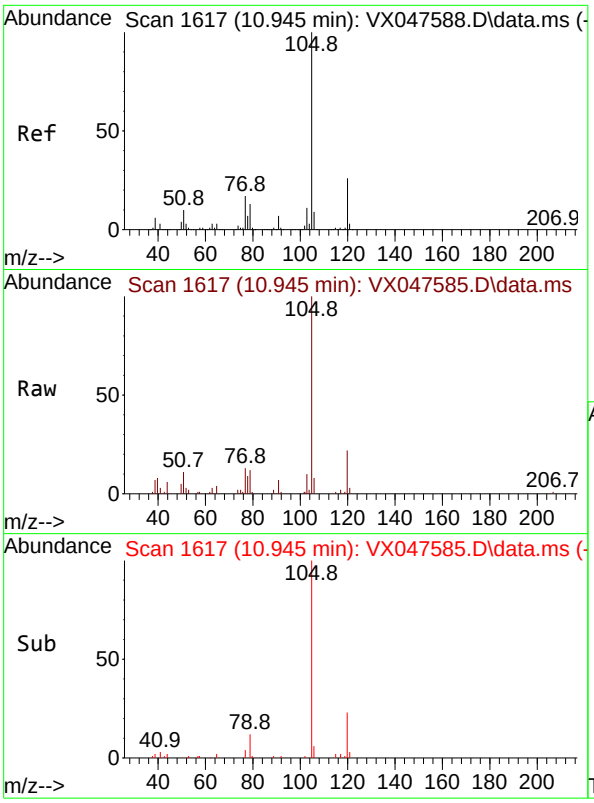


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:152 Resp: 201976

Ion	Ratio	Lower	Upper
152	100		
115	64.2	44.9	134.5
150	158.7	0.0	352.0



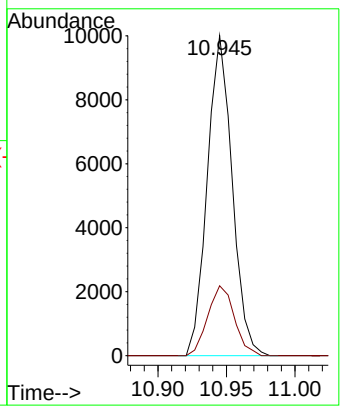


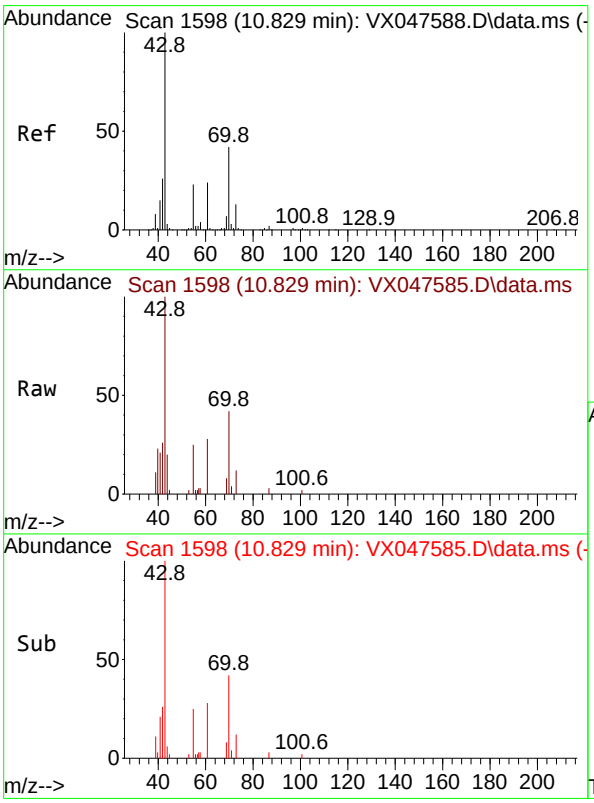
#73
Isopropylbenzene
Concen: 0.822 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 12618

Ion	Ratio	Lower	Upper
105	100		
120	23.4	12.8	38.4

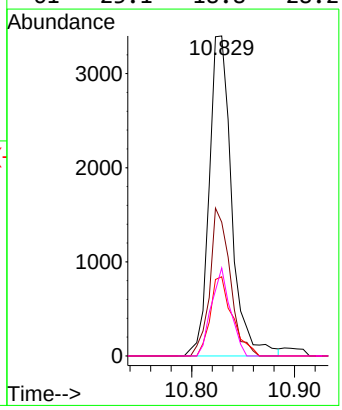


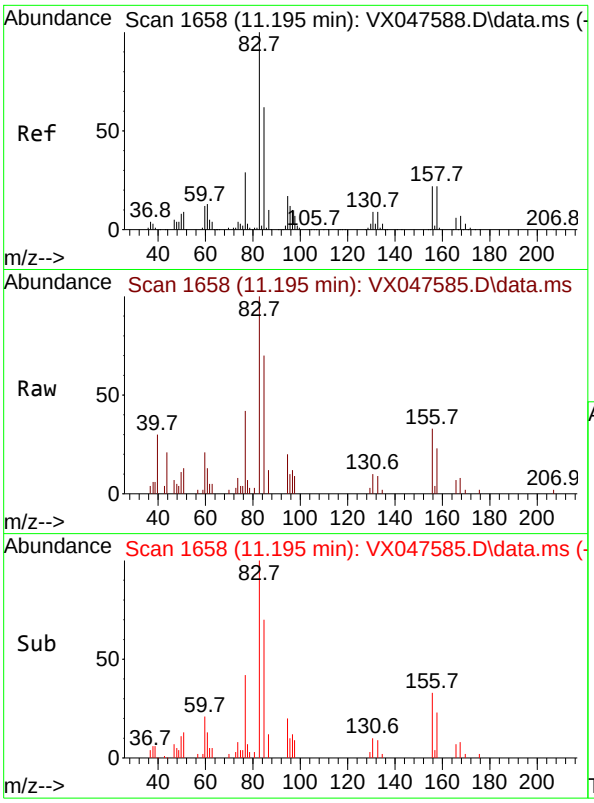


#74
N-amyl acetate
Concen: 0.737 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 5159

Ion	Ratio	Lower	Upper
43	100		
70	41.7	32.0	48.0
55	24.3	18.9	28.3
61	23.1	18.8	28.2



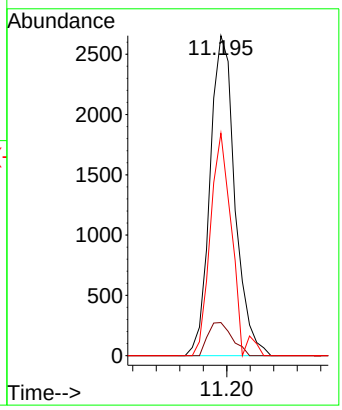


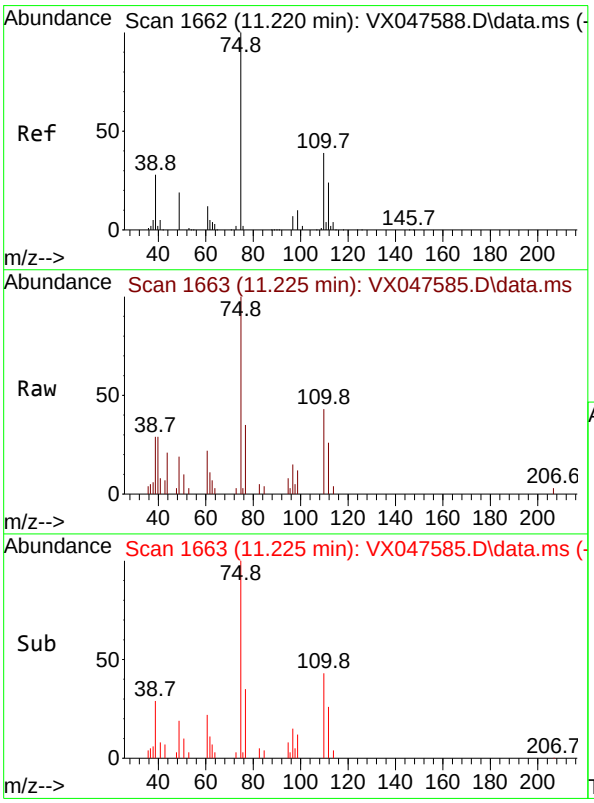
#75
1,1,2,2-Tetrachloroethane
Concen: 0.839 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 3900

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	59.8	31.6	95.0

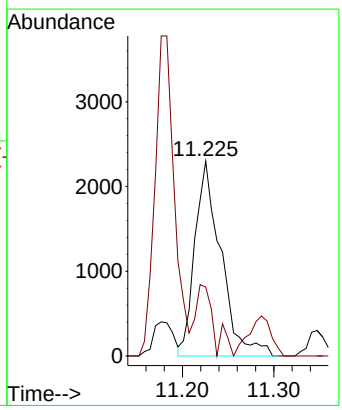


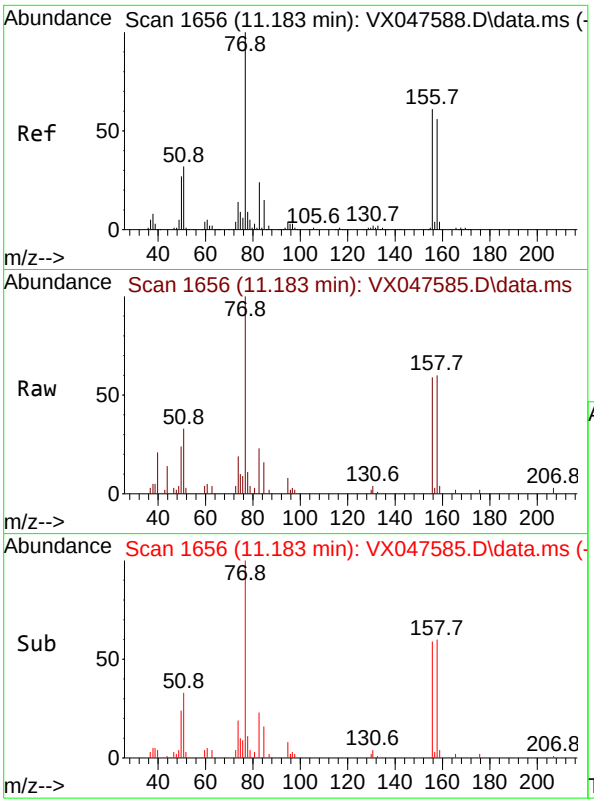


#76
1,2,3-Trichloropropane
Concen: 1.117 ug/l
RT: 11.225 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 4568

Ion	Ratio	Lower	Upper
75	100		
77	25.9	18.8	56.4



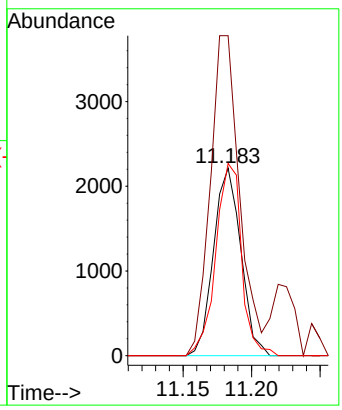


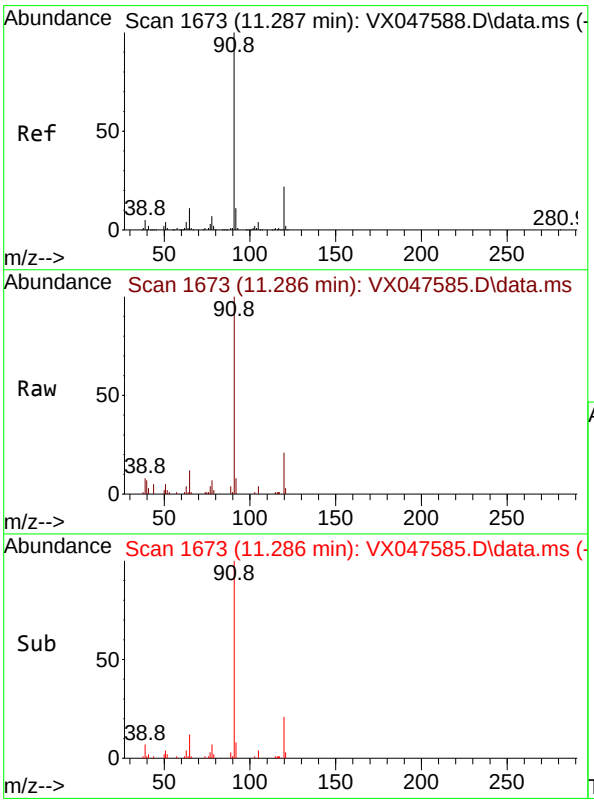
#77
Bromobenzene
Concen: 0.811 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:156 Resp: 3069

Ion	Ratio	Lower	Upper
156	100		
77	182.3	89.7	269.1
158	96.6	47.9	143.6

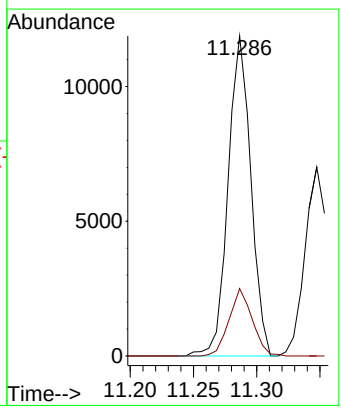


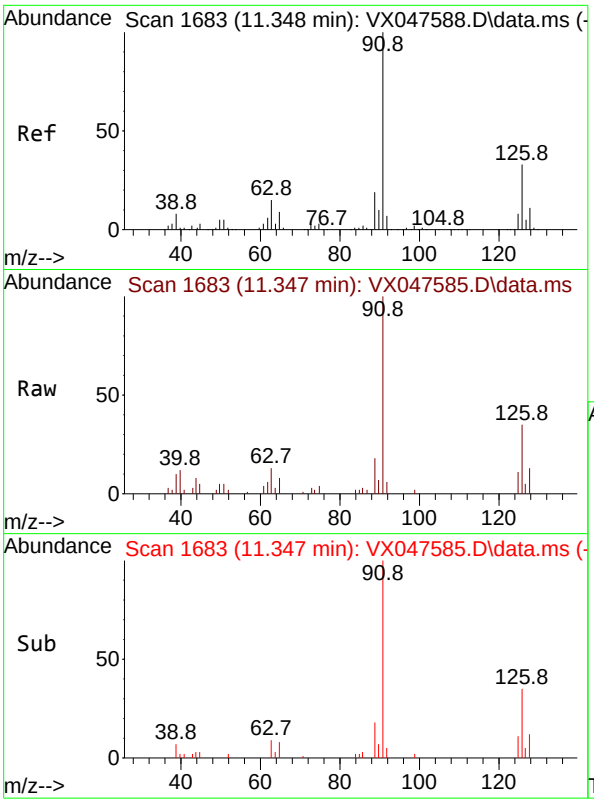


#78
n-propylbenzene
Concen: 0.819 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 14866

Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.1	33.1



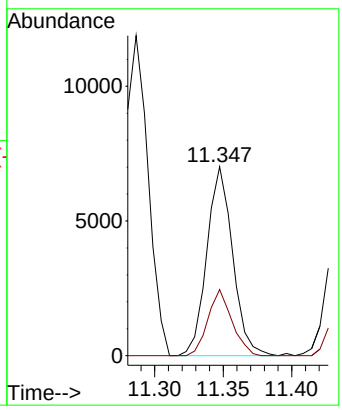


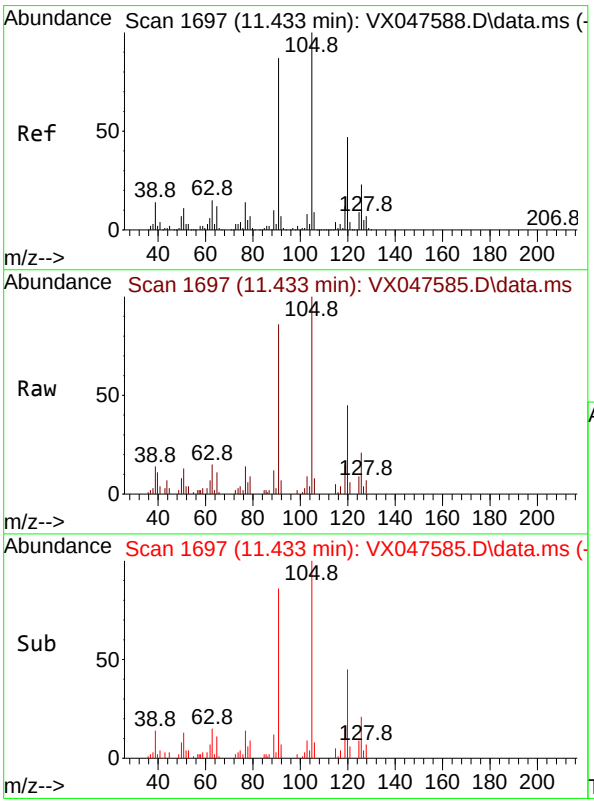
#79
2-Chlorotoluene
Concen: 0.827 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 9195

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3

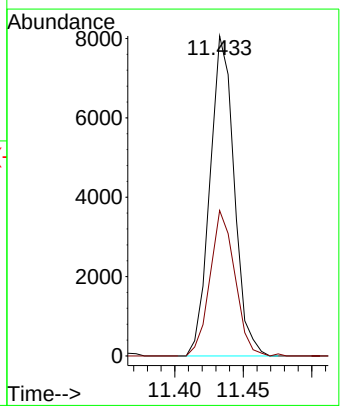


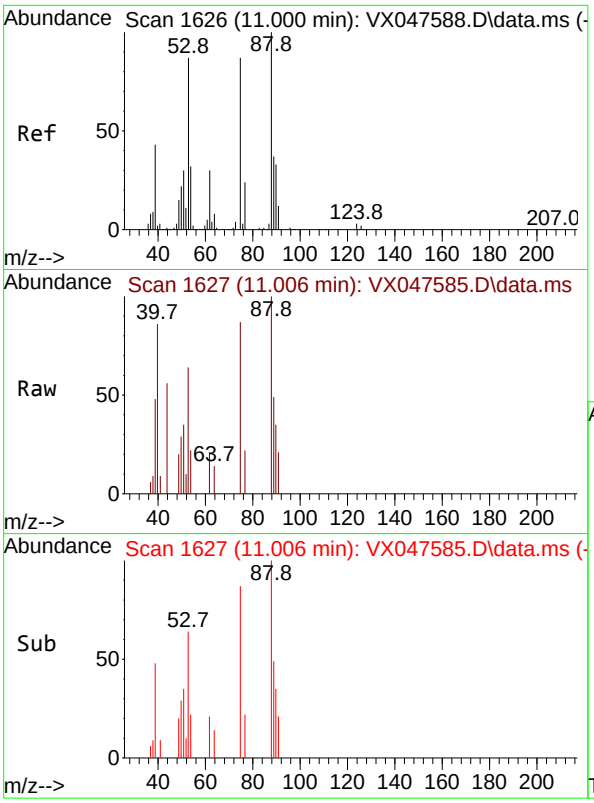


#80
1,3,5-Trimethylbenzene
Concen: 0.787 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:105 Resp: 9929

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.6	70.8



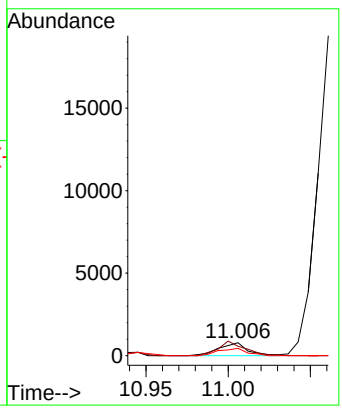


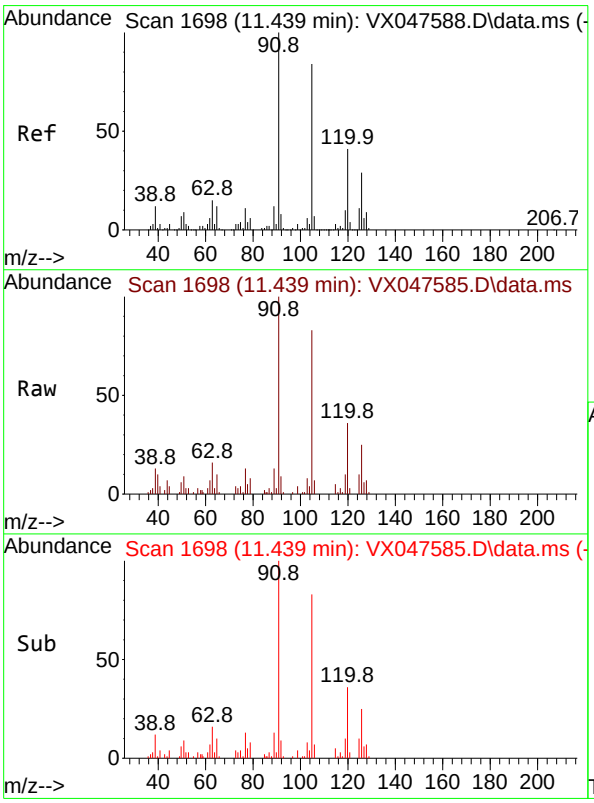
#81
trans-1,4-Dichloro-2-butene
Concen: 0.599 ug/l
RT: 11.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 960

Ion	Ratio	Lower	Upper
75	100		
53	103.2	83.4	125.2
89	55.2	36.3	54.5#

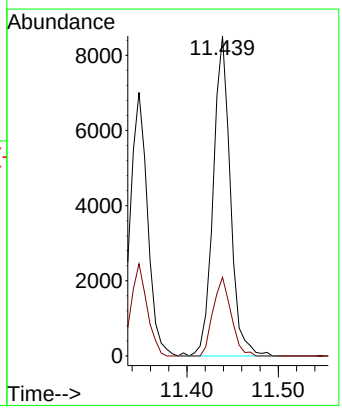


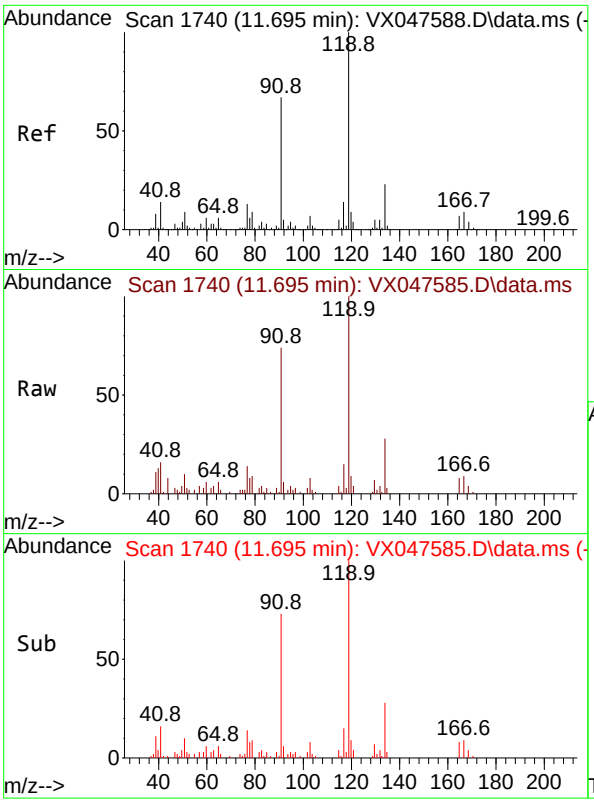


#82
4-Chlorotoluene
Concen: 0.847 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 11123

Ion	Ratio	Lower	Upper
91	100		
126	25.8	14.2	42.6



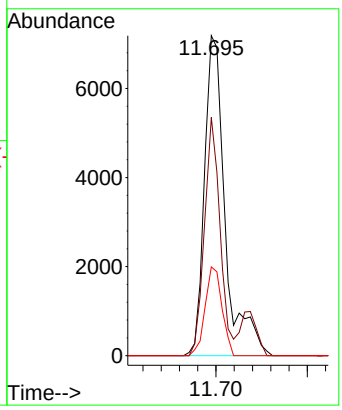


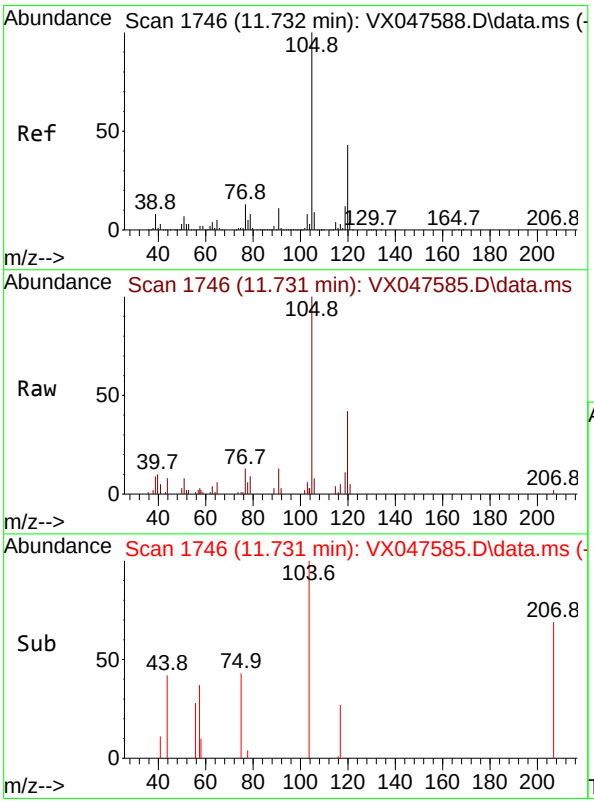
#83
tert-Butylbenzene
Concen: 0.876 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 11311

Ion	Ratio	Lower	Upper
119	100		
91	56.1	29.6	88.8
134	22.5	11.0	33.0

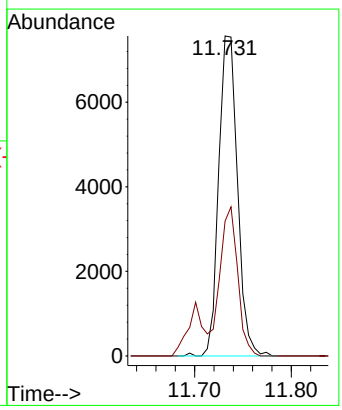


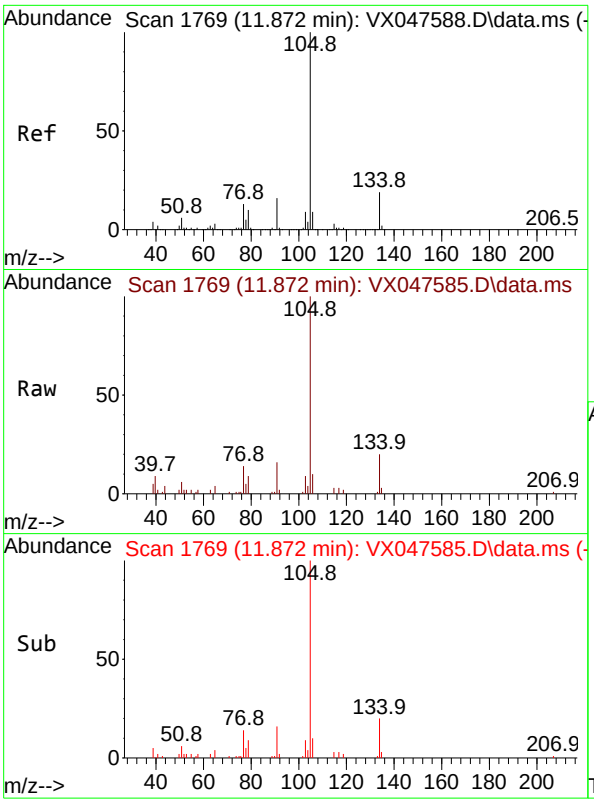


#84
1,2,4-Trimethylbenzene
Concen: 0.796 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:105 Resp: 10187

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.1	66.1



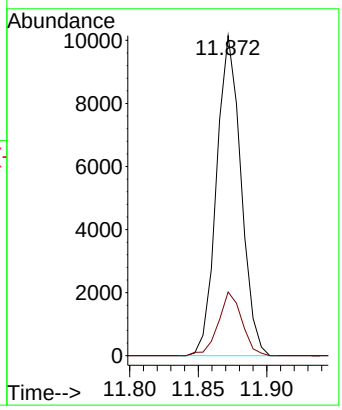


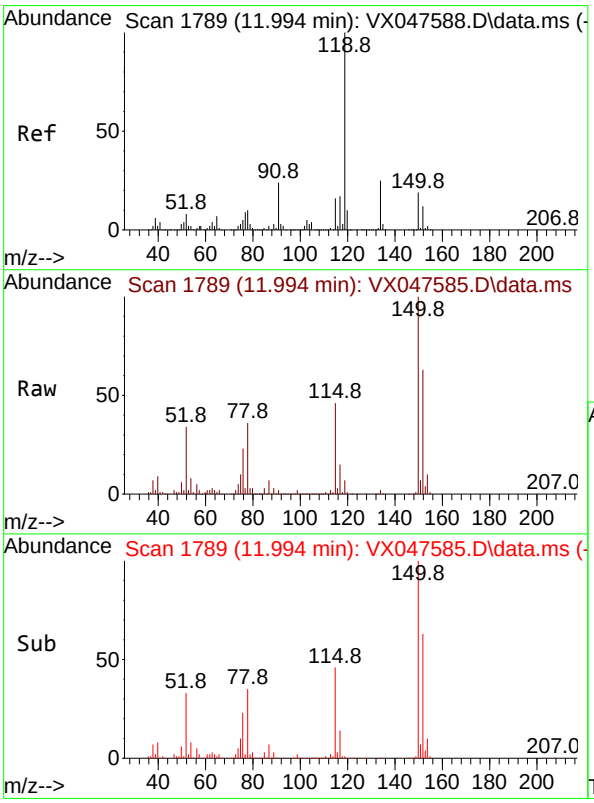
#85
sec-Butylbenzene
Concen: 0.819 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 12561

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.5

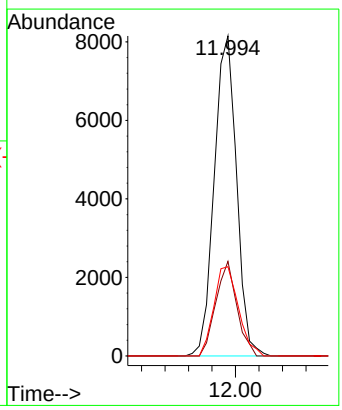


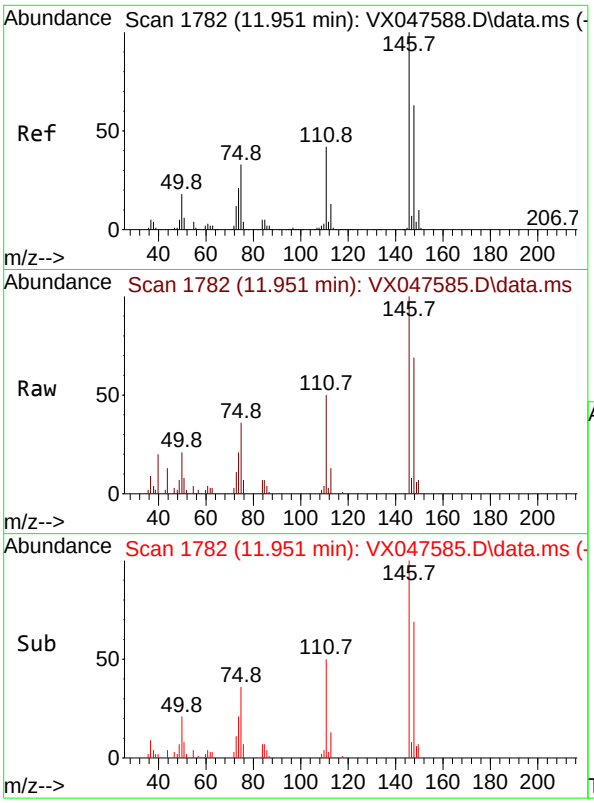


#86
p-Isopropyltoluene
Concen: 0.827 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:119 Resp: 10744

Ion	Ratio	Lower	Upper
119	100		
134	27.9	12.6	37.8
91	30.8	12.6	37.6



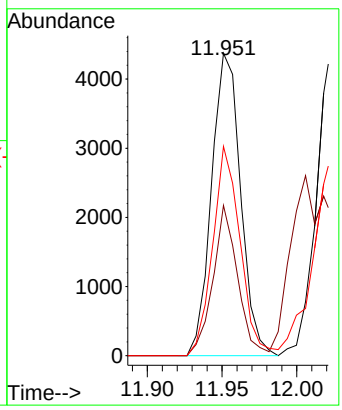


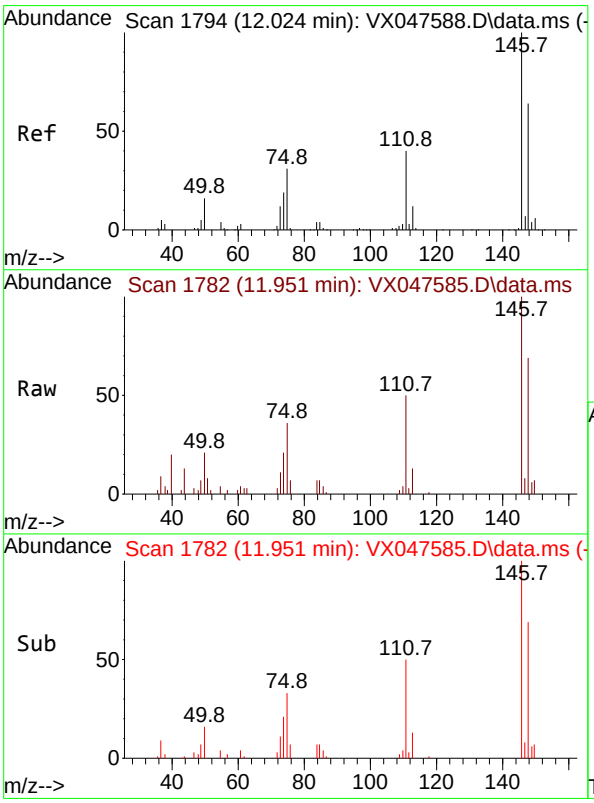
#87
1,3-Dichlorobenzene
Concen: 0.841 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 5907

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.5	64.5
148	65.5	32.0	96.0

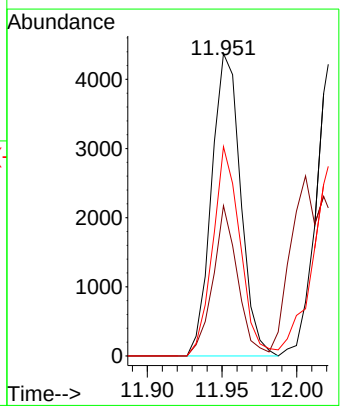


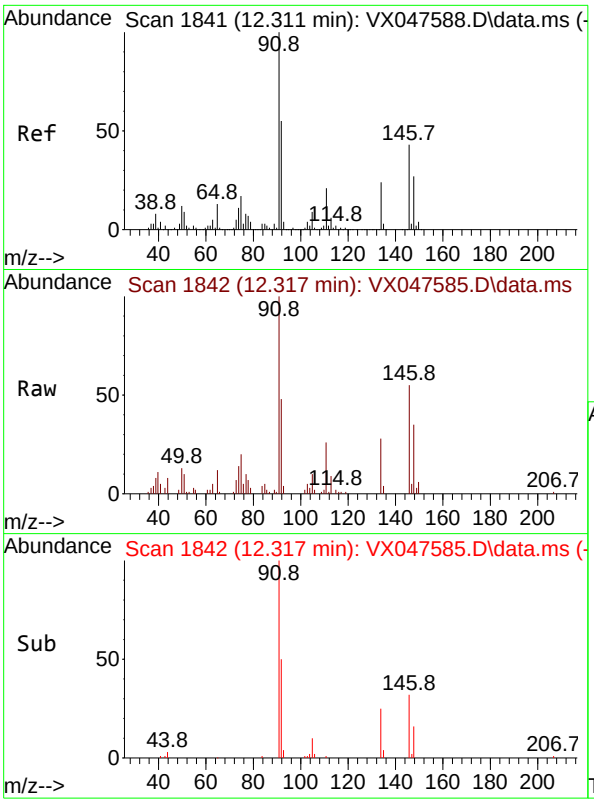


#88
1,4-Dichlorobenzene
Concen: 0.819 ug/l
RT: 11.951 min Scan# 1782
Delta R.T. -0.073 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:146 Resp: 5907

Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.8	62.4
148	65.5	31.7	95.1



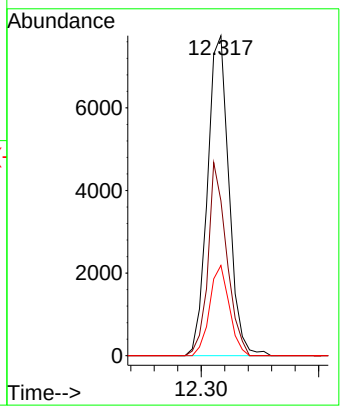


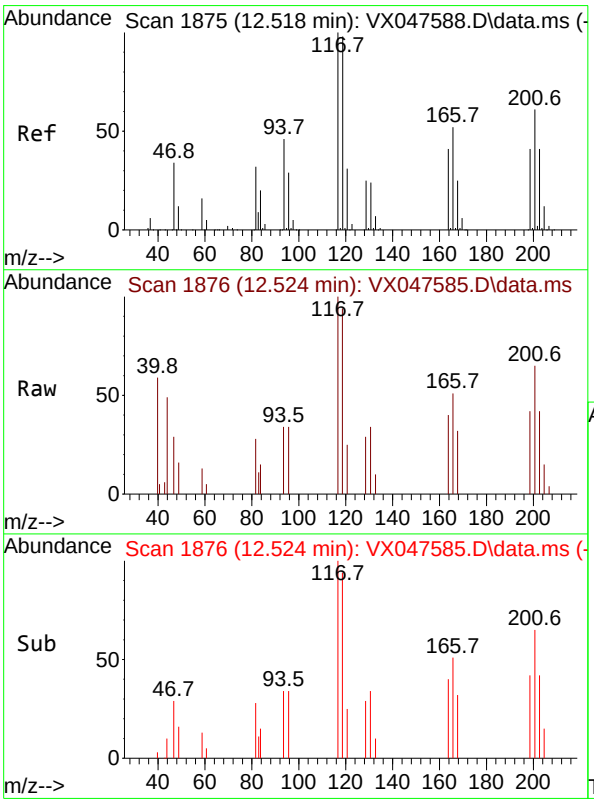
#89
n-Butylbenzene
Concen: 0.816 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 9811

Ion	Ratio	Lower	Upper
91	100		
92	52.4	27.6	82.7
134	25.9	12.6	37.8

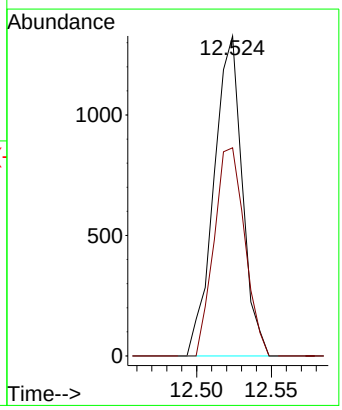


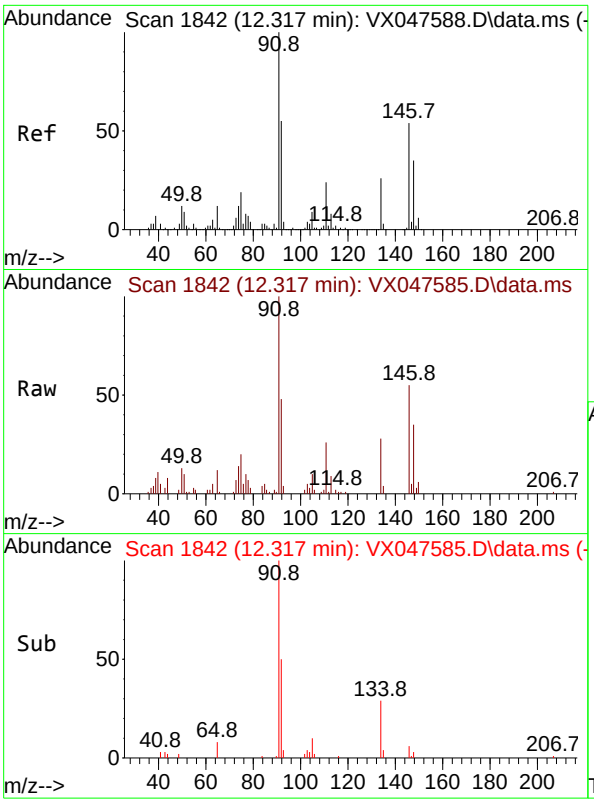


#90
Hexachloroethane
Concen: 0.768 ug/l
RT: 12.524 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:117 Resp: 1752

Ion	Ratio	Lower	Upper
117	100		
201	70.4	34.2	102.5



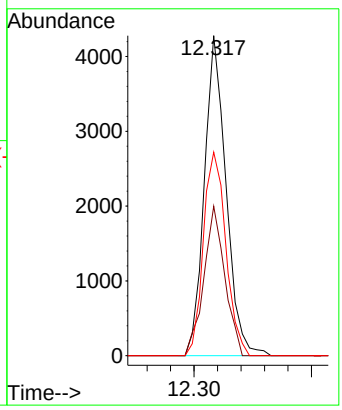


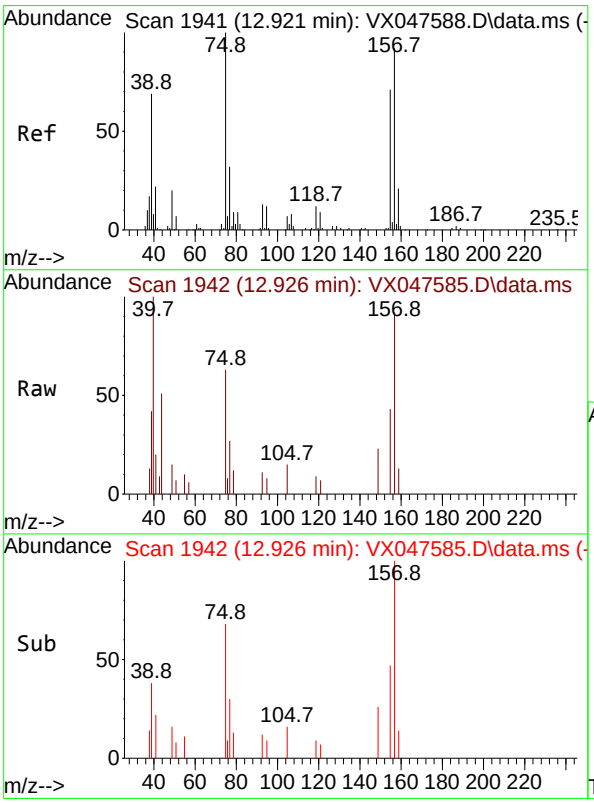
#91
1,2-Dichlorobenzene
Concen: 0.820 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 5491

Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.2	66.6
148	65.8	31.8	95.4

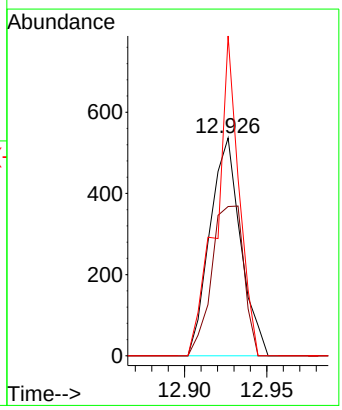


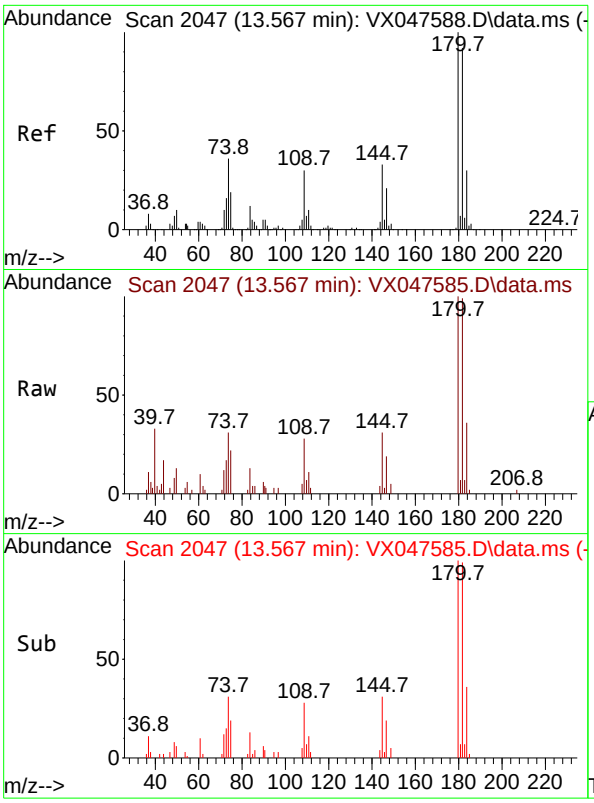


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.742 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 698

Ion	Ratio	Lower	Upper
75	100		
155	72.1	37.7	113.1
157	108.7	49.8	149.4



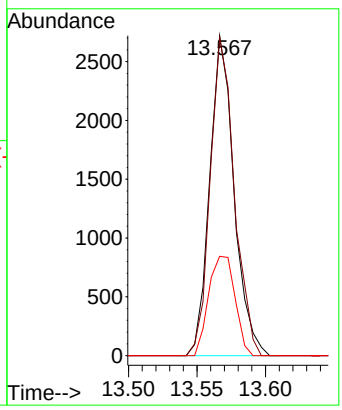


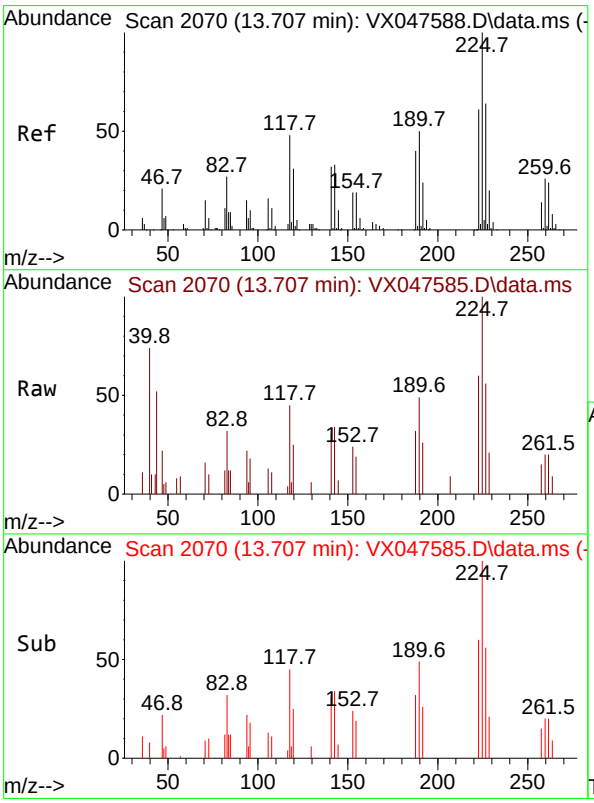
#93
1,2,4-Trichlorobenzene
Concen: 0.772 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 3358

Ion	Ratio	Lower	Upper
180	100		
182	98.6	46.6	139.8
145	33.7	16.4	49.1

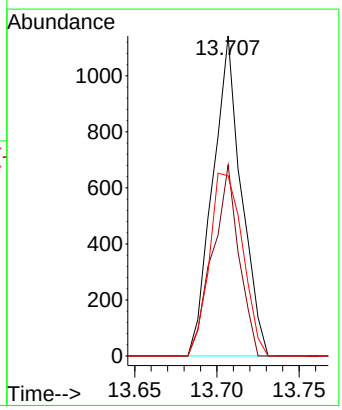


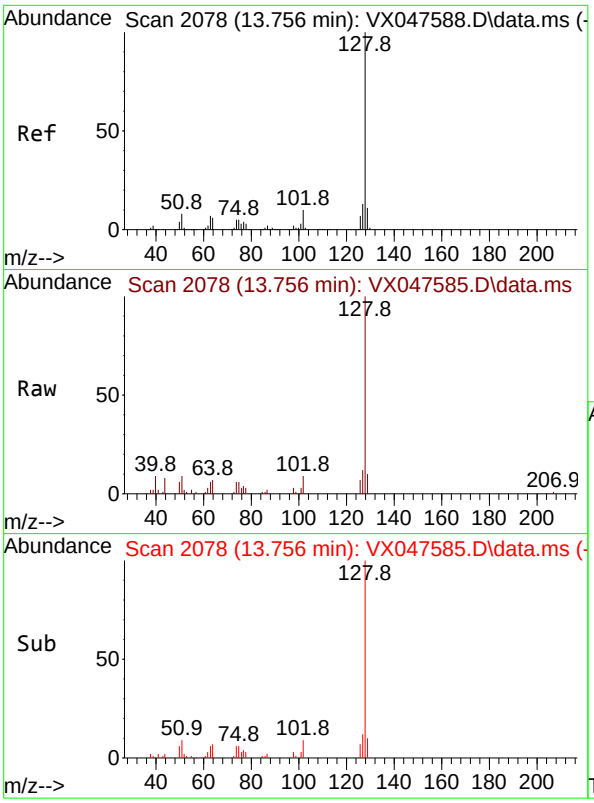


#94
Hexachlorobutadiene
Concen: 0.933 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:225 Resp: 1378

Ion	Ratio	Lower	Upper
225	100		
223	54.8	31.7	95.1
227	66.7	32.0	96.0



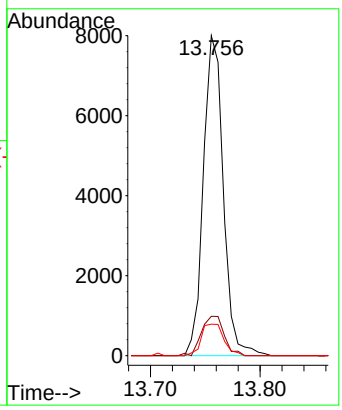


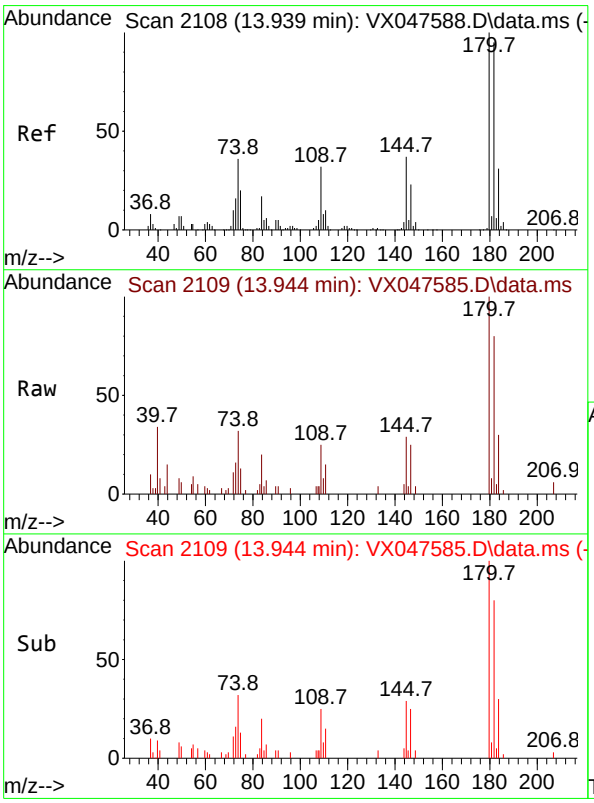
#95
Naphthalene
Concen: 0.763 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 10112

Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.2	15.2
129	11.2	8.8	13.2

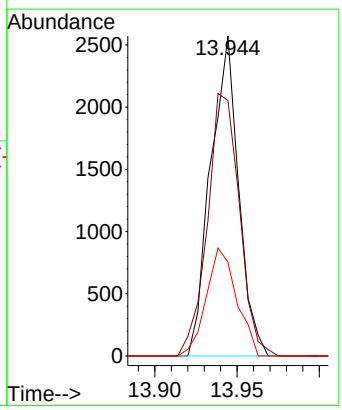




#96
1,2,3-Trichlorobenzene
Concen: 0.752 ug/l
RT: 13.944 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:180 Resp: 3043

Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.6	142.8
145	36.6	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : VSTDICC005

Quant Time: Sep 22 01:48:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	198376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	355026	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	317288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	156219	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	17538	5.554	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	11.100%#		
35) Dibromofluoromethane	5.373	113	12647	5.312	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.620%#		
50) Toluene-d8	8.635	98	43926	5.332	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	10.660%#		
62) 4-Bromofluorobenzene	11.061	95	16974	5.429	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	10.860%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	11403	5.551	ug/l	93
3) Chloromethane	1.301	50	14854	5.502	ug/l	99
4) Vinyl Chloride	1.380	62	14147	5.353	ug/l	97
5) Bromomethane	1.618	94	9780	5.836	ug/l	87
6) Chloroethane	1.697	64	8926	5.053	ug/l	96
7) Trichlorofluoromethane	1.898	101	20497	5.223	ug/l	100
8) Diethyl Ether	2.136	74	8039	5.008	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	11729	5.112	ug/l	98
10) Methyl Iodide	2.453	142	17159	4.795	ug/l	98
11) Tert butyl alcohol	2.947	59	8399	23.883	ug/l	99
12) 1,1-Dichloroethene	2.325	96	12131	5.147	ug/l	91
13) Acrolein	2.239	56	7080	21.847	ug/l	95
14) Allyl chloride	2.666	41	25135	5.168	ug/l	99
15) Acrylonitrile	3.062	53	32587	25.016	ug/l	99
16) Acetone	2.374	43	41297	30.079	ug/l	97
17) Carbon Disulfide	2.514	76	34426	5.335	ug/l	100
18) Methyl Acetate	2.703	43	13357	4.371	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	44396	5.160	ug/l	98
20) Methylene Chloride	2.788	84	15307	5.267	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	13937	5.492	ug/l	97
22) Diisopropyl ether	3.757	45	50213	5.327	ug/l	98
23) Vinyl Acetate	3.715	43	192175	25.474	ug/l	99
24) 1,1-Dichloroethane	3.611	63	26292	5.248	ug/l	97
25) 2-Butanone	4.544	43	46651	27.240	ug/l	92
26) 2,2-Dichloropropane	4.465	77	21738	5.220	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	15996	5.147	ug/l	98
28) Bromochloromethane	4.891	49	12047	5.508	ug/l	95
29) Tetrahydrofuran	4.995	42	26729	25.944	ug/l	92
30) Chloroform	5.080	83	27054	5.344	ug/l	99
31) Cyclohexane	5.458	56	23032	5.520	ug/l	94
32) 1,1,1-Trichloroethane	5.367	97	22279	5.188	ug/l	96
36) 1,1-Dichloropropene	5.684	75	18455	5.304	ug/l	98
37) Ethyl Acetate	4.708	43	19913	5.345	ug/l #	97
38) Carbon Tetrachloride	5.666	117	20376	5.390	ug/l	96
39) Methylcyclohexane	7.367	83	20900	5.292	ug/l	97
40) Benzene	6.019	78	55996	5.299	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Sep 22 01:48:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.904	41	9390	4.883	ug/l		95
42) 1,2-Dichloroethane	6.074	62	21117	5.252	ug/l		99
43) Isopropyl Acetate	6.324	43	31304	5.124	ug/l		99
44) Trichloroethene	7.111	130	13576	5.314	ug/l		97
45) 1,2-Dichloropropane	7.415	63	14305	5.287	ug/l		99
46) Dibromomethane	7.568	93	10133	5.146	ug/l		99
47) Bromodichloromethane	7.806	83	21270	5.235	ug/l		99
48) Methyl methacrylate	7.677	41	14959	4.915	ug/l		99
49) 1,4-Dioxane	7.653	88	3017	98.096	ug/l	#	90
51) 4-Methyl-2-Pentanone	8.555	43	87492	25.828	ug/l		100
52) Toluene	8.702	92	34314	5.271	ug/l		98
53) t-1,3-Dichloropropene	8.964	75	20863	5.034	ug/l		97
54) cis-1,3-Dichloropropene	8.354	75	23157	5.227	ug/l		98
55) 1,1,2-Trichloroethane	9.135	97	12968	5.166	ug/l		91
56) Ethyl methacrylate	9.104	69	19980	5.068	ug/l		97
57) 1,3-Dichloropropane	9.293	76	22989	5.331	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	37585	27.899	ug/l		98
59) 2-Hexanone	9.415	43	66356	27.275	ug/l		99
60) Dibromochloromethane	9.506	129	14705	5.084	ug/l		95
61) 1,2-Dibromoethane	9.592	107	13461	5.264	ug/l		98
64) Tetrachloroethene	9.256	164	11228	5.428	ug/l		97
65) Chlorobenzene	10.061	112	37507	5.203	ug/l		96
66) 1,1,1,2-Tetrachloroethane	10.147	131	12807	5.149	ug/l		99
67) Ethyl Benzene	10.177	91	65908	5.299	ug/l		100
68) m/p-Xylenes	10.287	106	49132	10.613	ug/l		99
69) o-Xylene	10.628	106	23300	5.204	ug/l		98
70) Styrene	10.640	104	40872	5.210	ug/l		99
71) Bromoform	10.781	173	9298	5.006	ug/l	#	97
73) Isopropylbenzene	10.945	105	61029	5.139	ug/l		100
74) N-amyl acetate	10.823	43	26969	4.980	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	18462	5.138	ug/l		98
76) 1,2,3-Trichloropropane	11.220	75	18494	5.847	ug/l		96
77) Bromobenzene	11.183	156	15066	5.150	ug/l		99
78) n-propylbenzene	11.287	91	72900	5.192	ug/l		100
79) 2-Chlorotoluene	11.348	91	44663	5.194	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	50535	5.179	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	5413	4.364	ug/l		91
82) 4-Chlorotoluene	11.439	91	52294	5.149	ug/l		100
83) tert-Butylbenzene	11.695	119	50350	5.041	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	51583	5.214	ug/l		100
85) sec-Butylbenzene	11.872	105	62507	5.268	ug/l		99
86) p-Isopropyltoluene	11.994	119	52674	5.244	ug/l		98
87) 1,3-Dichlorobenzene	11.951	146	28116	5.175	ug/l		100
88) 1,4-Dichlorobenzene	12.024	146	29519	5.294	ug/l		93
89) n-Butylbenzene	12.317	91	47953	5.159	ug/l		99
90) Hexachloroethane	12.518	117	8830	5.007	ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	26409	5.102	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	3412	4.690	ug/l		99
93) 1,2,4-Trichlorobenzene	13.567	180	17167	5.103	ug/l		98
94) Hexachlorobutadiene	13.707	225	5894	5.158	ug/l		99
95) Naphthalene	13.756	128	49257	4.808	ug/l		99
96) 1,2,3-Trichlorobenzene	13.939	180	15400	4.921	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Sep 22 01:48:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

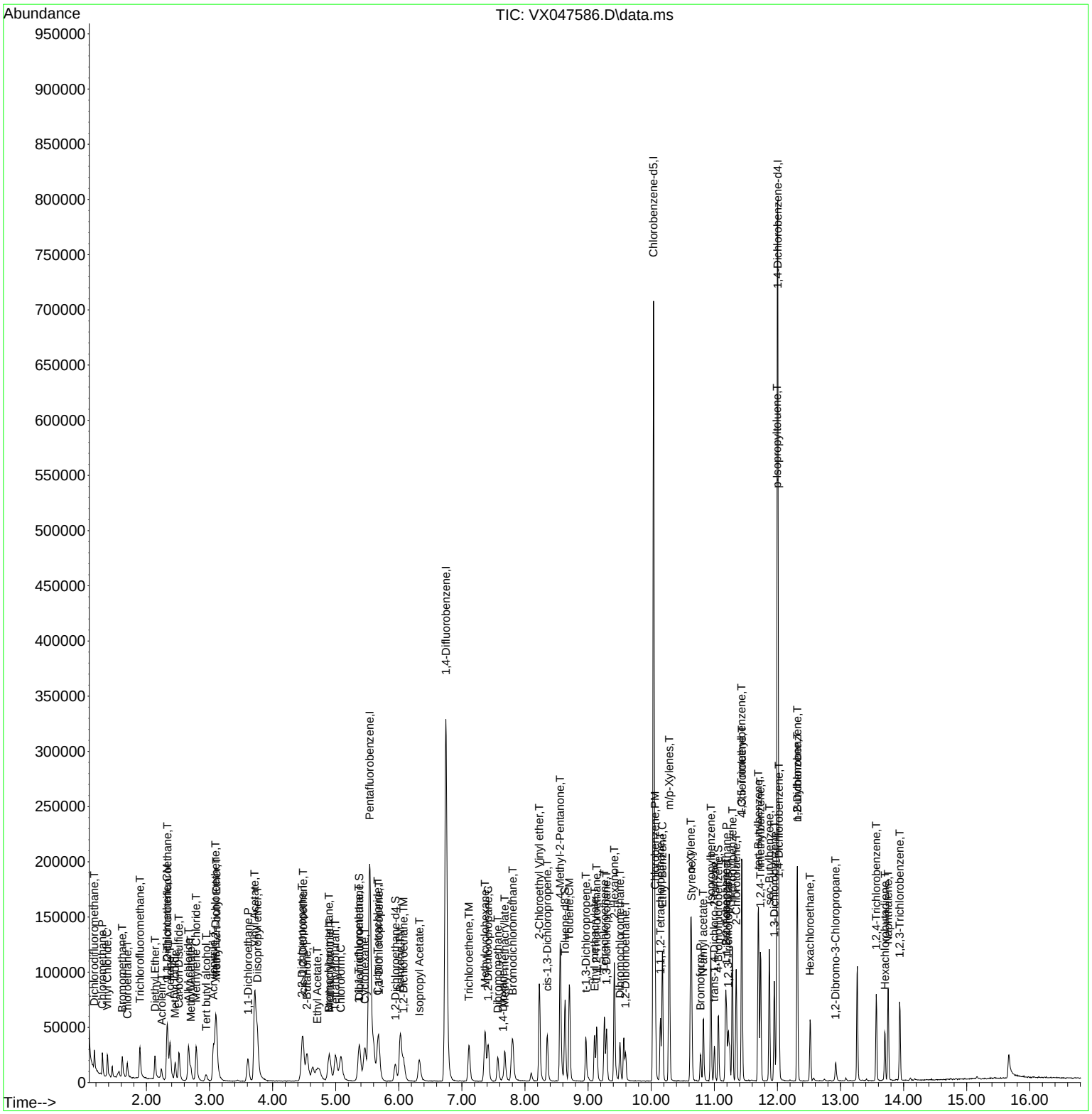
(#) = qualifier out of range (m) = manual integration (+) = signals summed

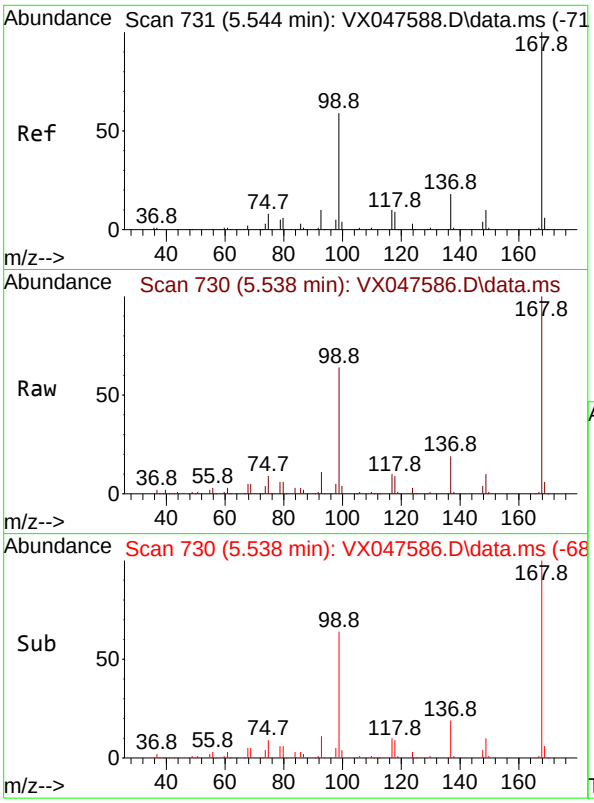
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Sep 22 01:48:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



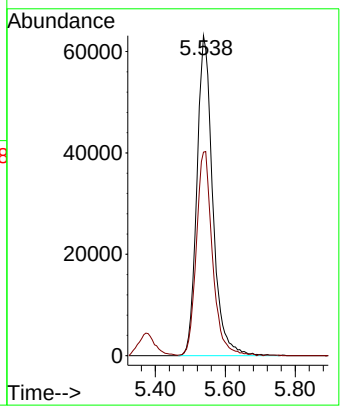


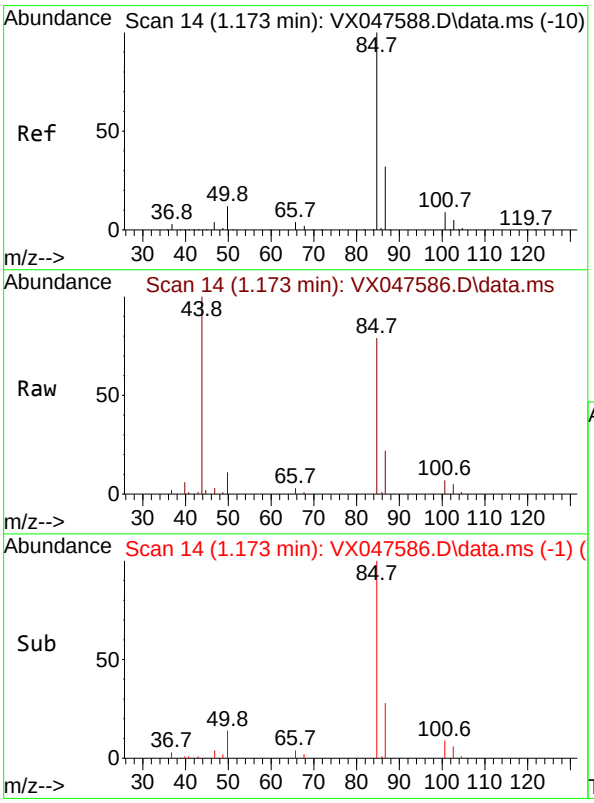
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 198376

Ion	Ratio	Lower	Upper
168	100		
99	63.5	48.8	73.2

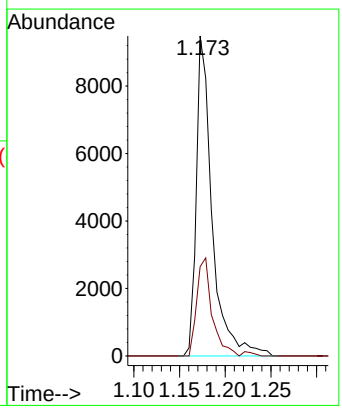


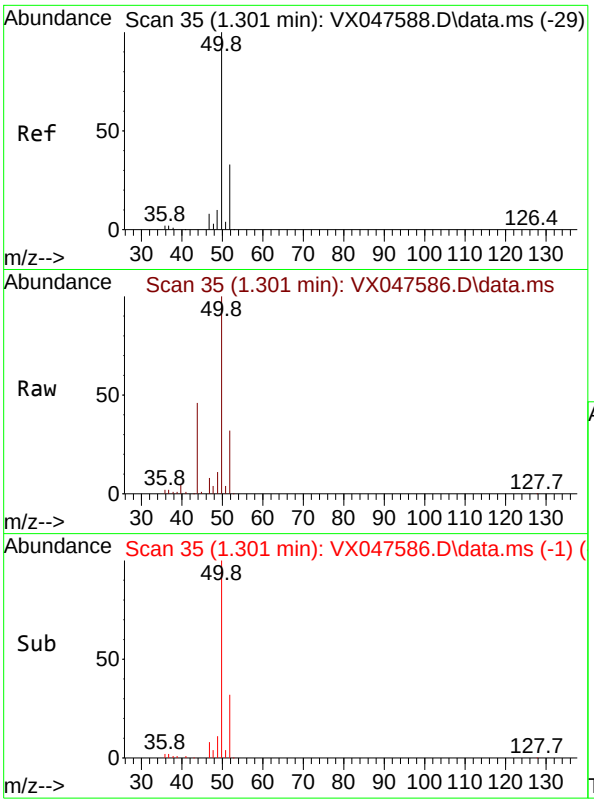


#2
Dichlorodifluoromethane
Concen: 5.551 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 85 Resp: 11403

Ion	Ratio	Lower	Upper
85	100		
87	27.9	15.8	47.3



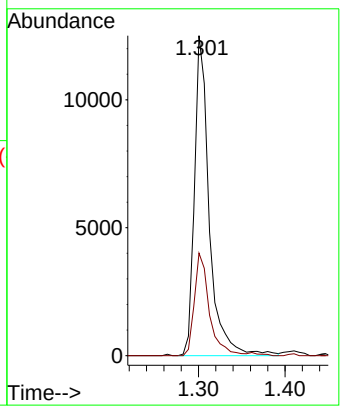


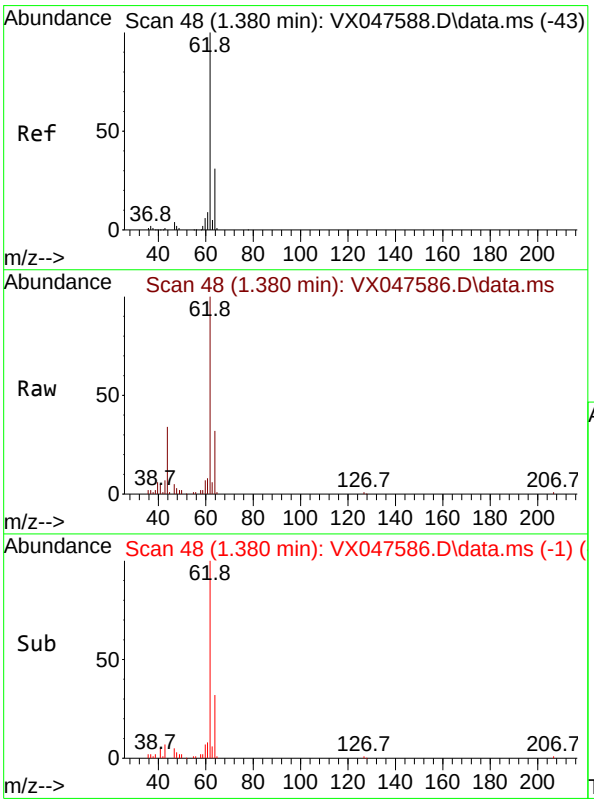
#3
Chloromethane
Concen: 5.502 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 14854

Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.1	39.1

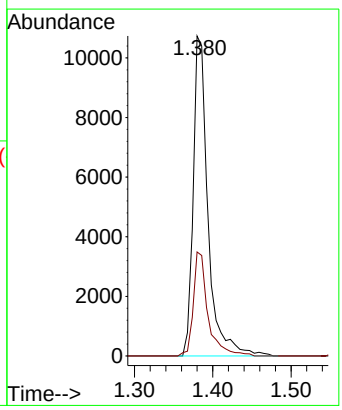


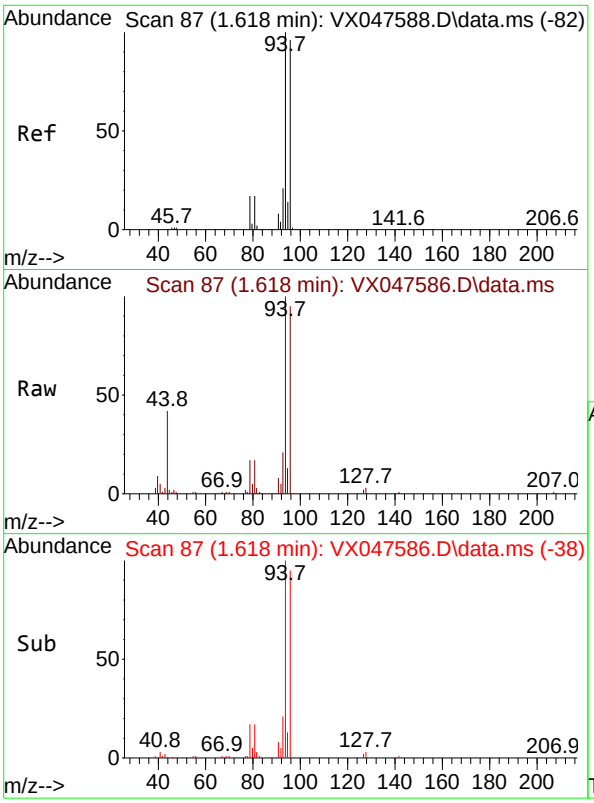


#4
Vinyl Chloride
Concen: 5.353 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 62 Resp: 14147

Ion	Ratio	Lower	Upper
62	100		
64	32.5	24.9	37.3



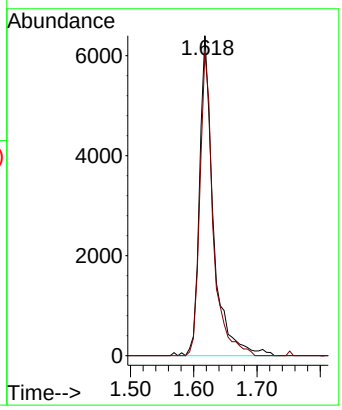


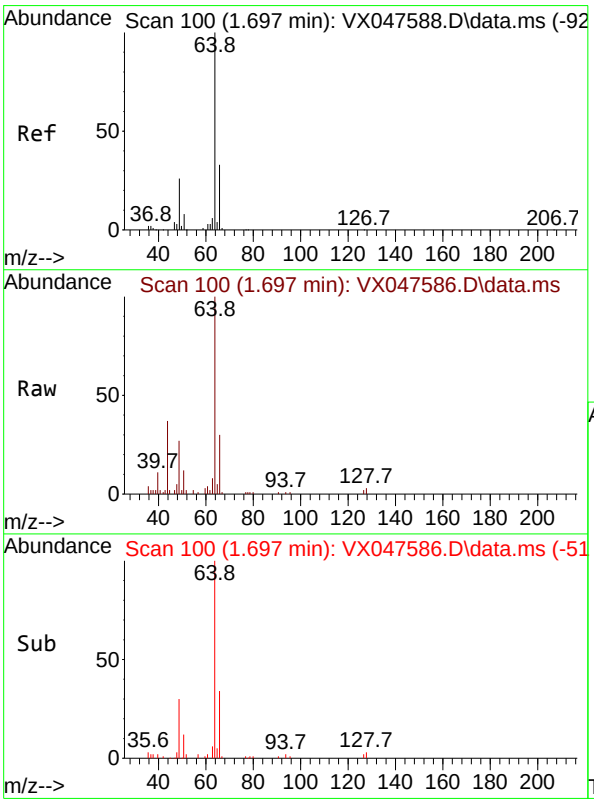
#5
Bromomethane
Concen: 5.836 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 9780

Ion	Ratio	Lower	Upper
94	100		
96	83.6	76.6	115.0

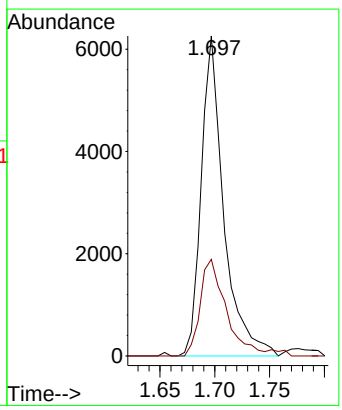


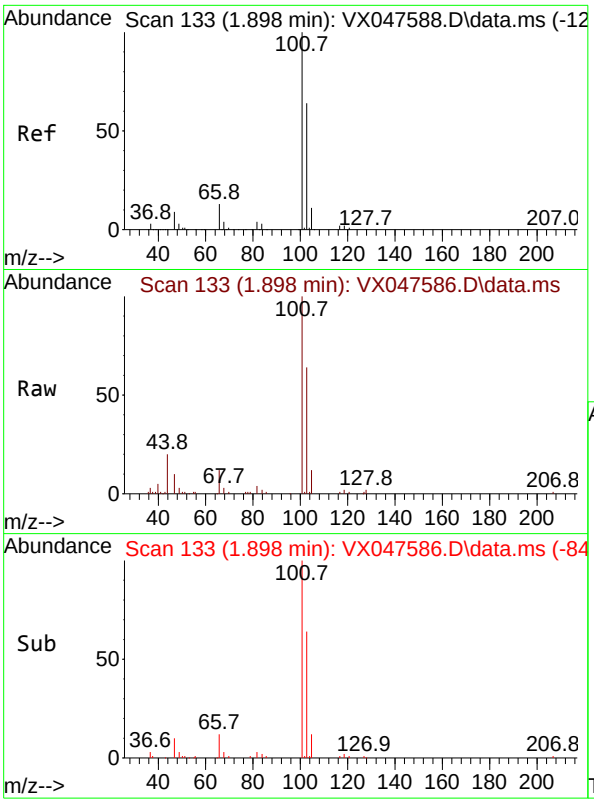


#6
Chloroethane
Concen: 5.053 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 64 Resp: 8926

Ion	Ratio	Lower	Upper
64	100		
66	30.2	26.1	39.1



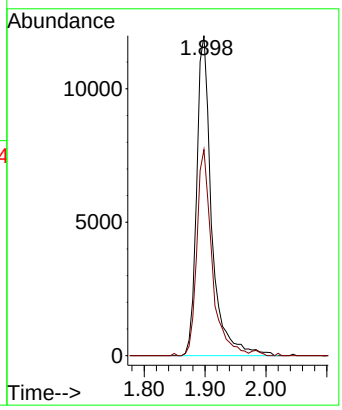


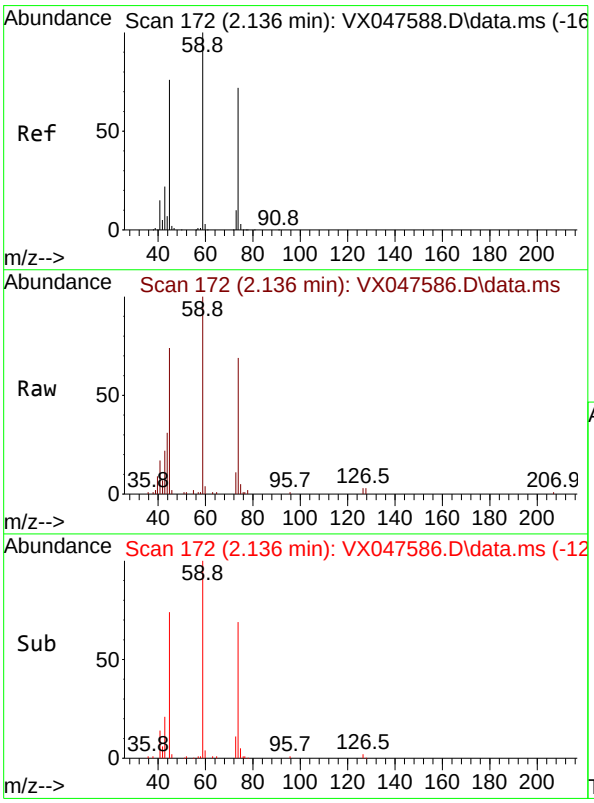
#7
Trichlorofluoromethane
Concen: 5.223 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 20497

Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.4	77.2

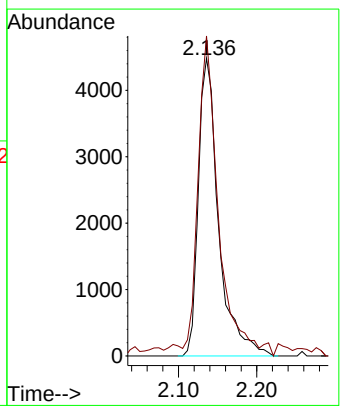


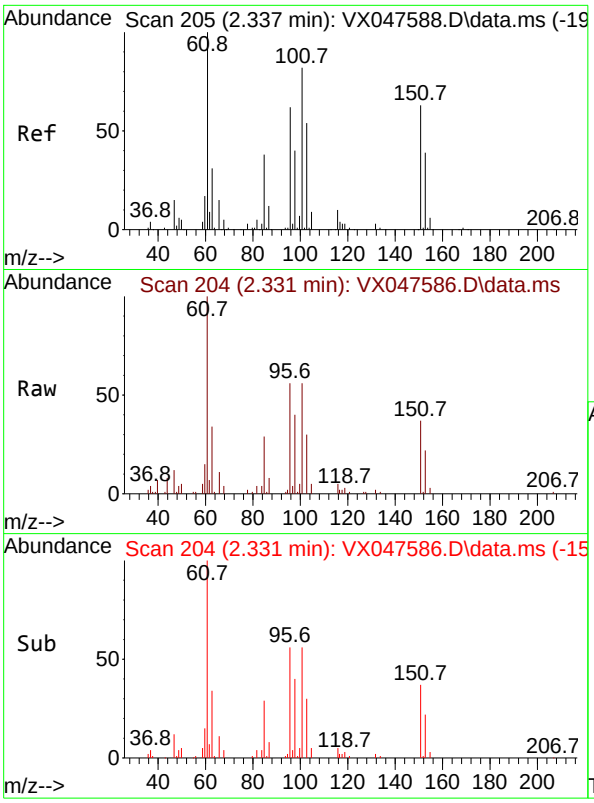


#8
Diethyl Ether
Concen: 5.008 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 74 Resp: 8039

Ion	Ratio	Lower	Upper
74	100		
45	111.7	52.3	156.8



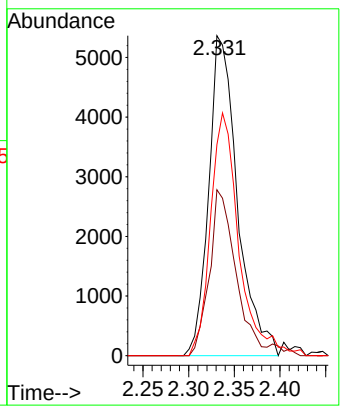


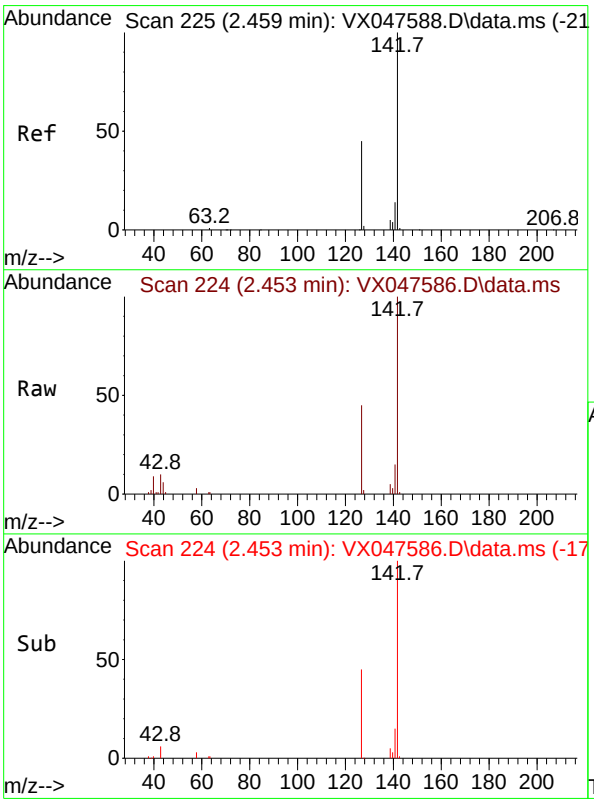
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.112 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 11729

Ion	Ratio	Lower	Upper
101	100		
85	47.5	35.5	53.3
151	75.0	59.4	89.0

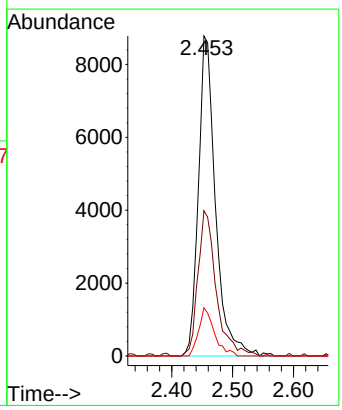


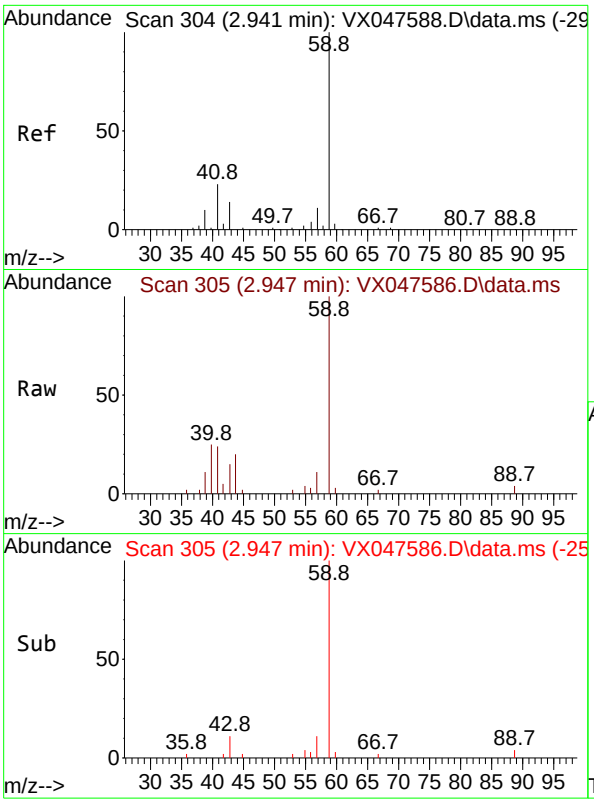


#10
Methyl Iodide
Concen: 4.795 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:142 Resp: 17159

Ion	Ratio	Lower	Upper
142	100		
127	48.4	37.2	55.8
141	13.8	11.4	17.0



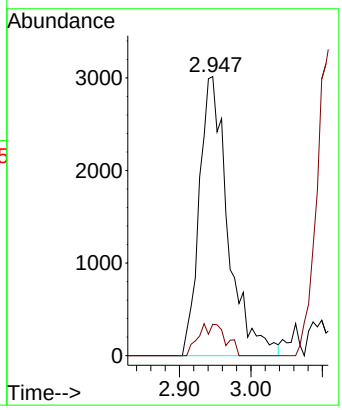


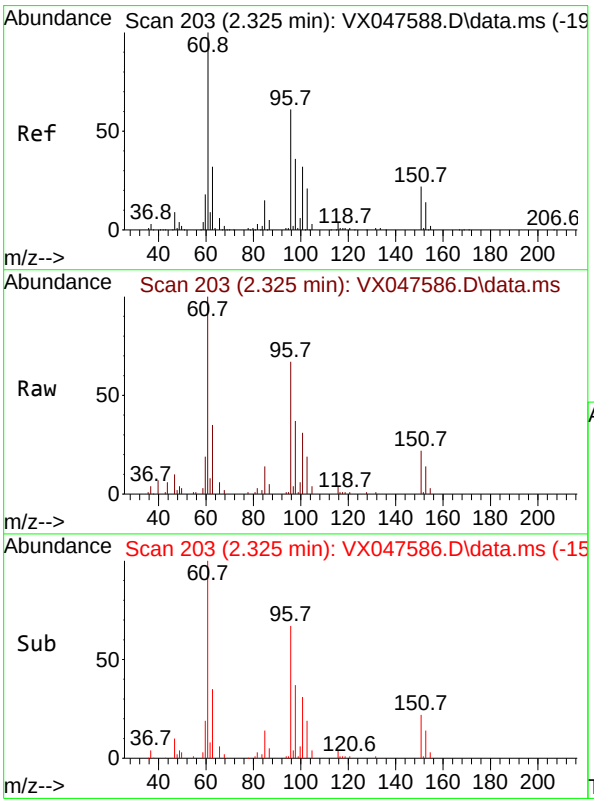
#11
Tert butyl alcohol
Concen: 23.883 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 8399

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.3	12.5

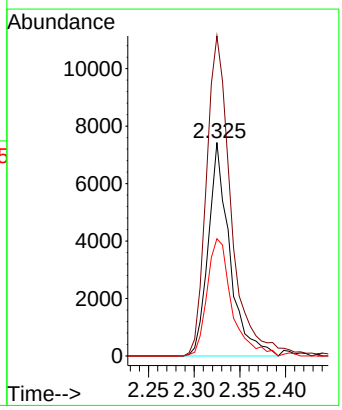


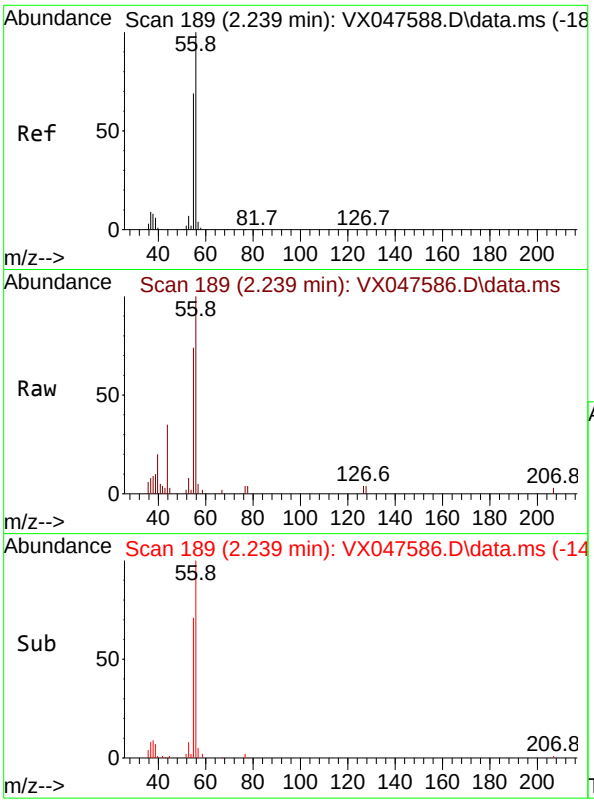


#12
1,1-Dichloroethene
Concen: 5.147 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 96 Resp: 12131

Ion	Ratio	Lower	Upper
96	100		
61	149.9	131.0	196.6
98	54.9	47.7	71.5



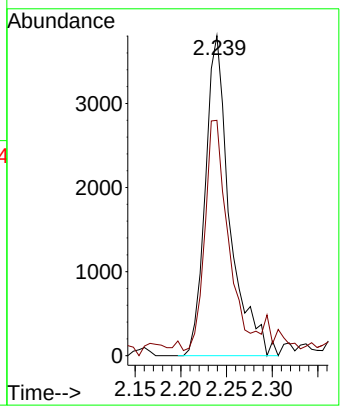


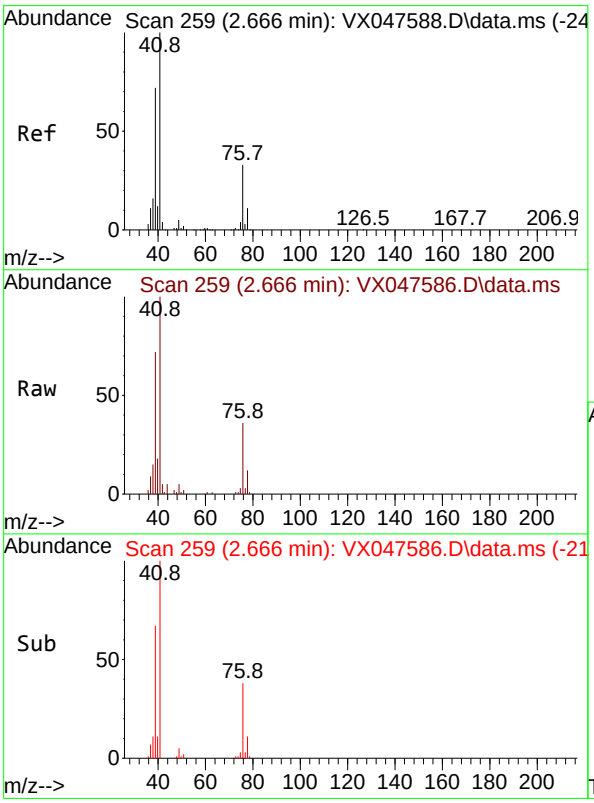
#13
Acrolein
Concen: 21.847 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 7080

Ion	Ratio	Lower	Upper
56	100		
55	67.1	57.2	85.8

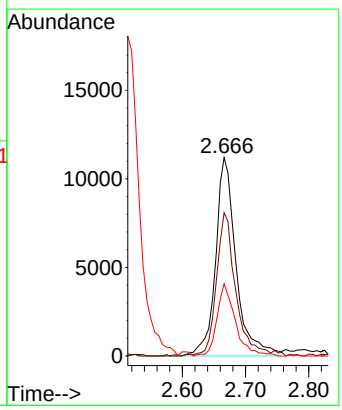


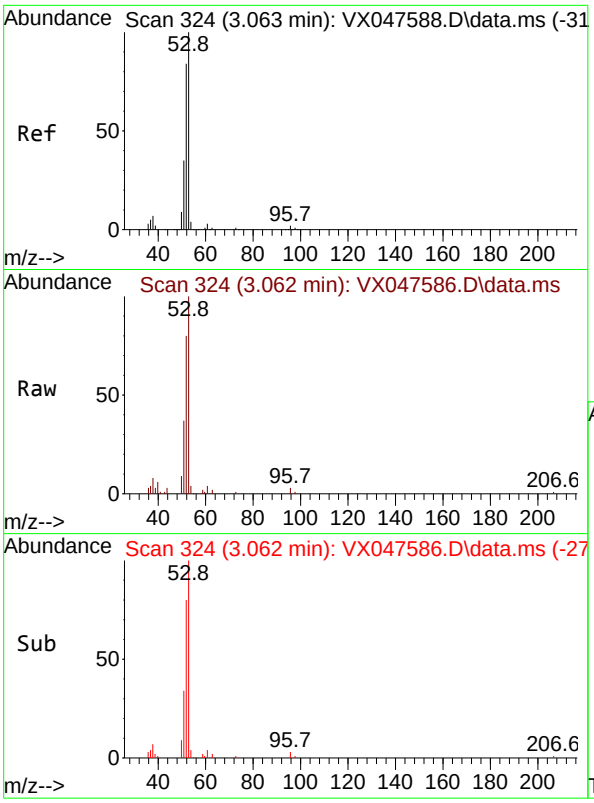


#14
Allyl chloride
Concen: 5.168 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 41 Resp: 25135

Ion	Ratio	Lower	Upper
41	100		
39	69.1	54.7	82.1
76	32.4	25.7	38.5



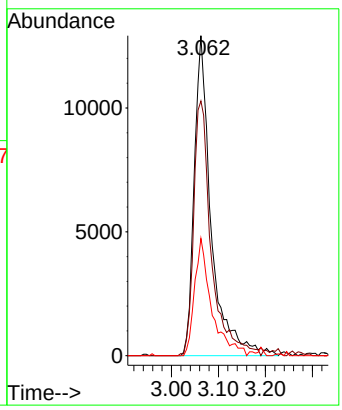


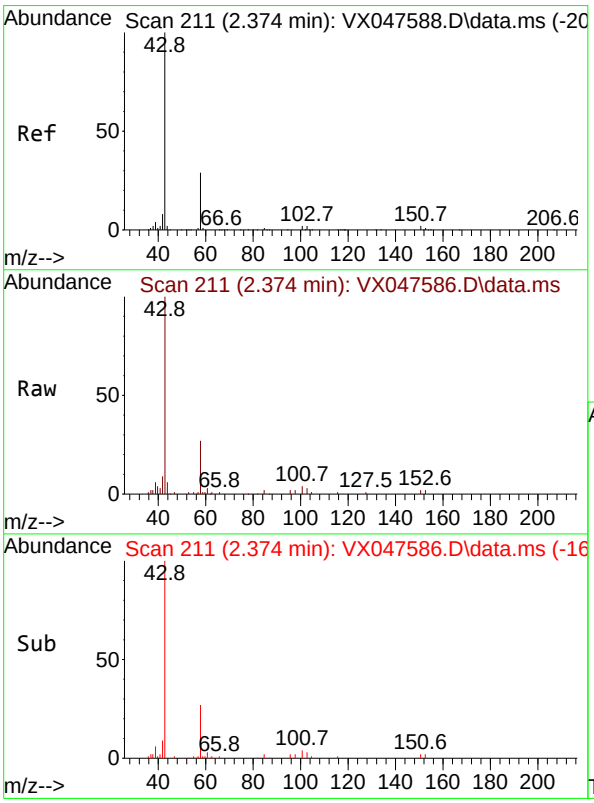
#15
Acrylonitrile
Concen: 25.016 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 32587

Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.4	99.6
51	36.5	29.5	44.3

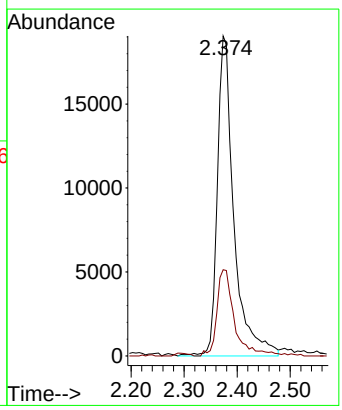


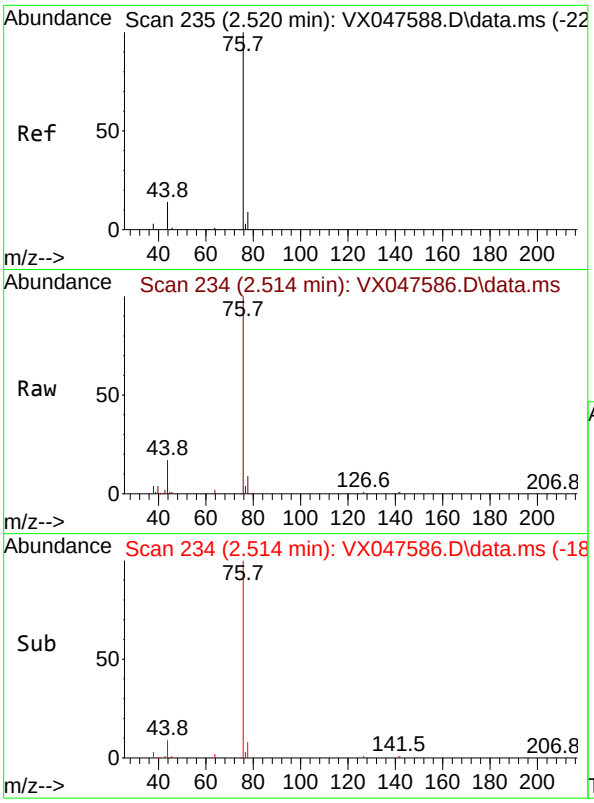


#16
Acetone
Concen: 30.079 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 41297

Ion	Ratio	Lower	Upper
43	100		
58	27.6	23.4	35.0



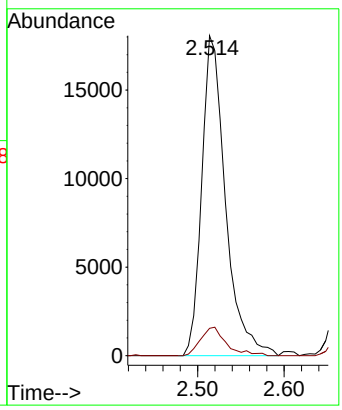


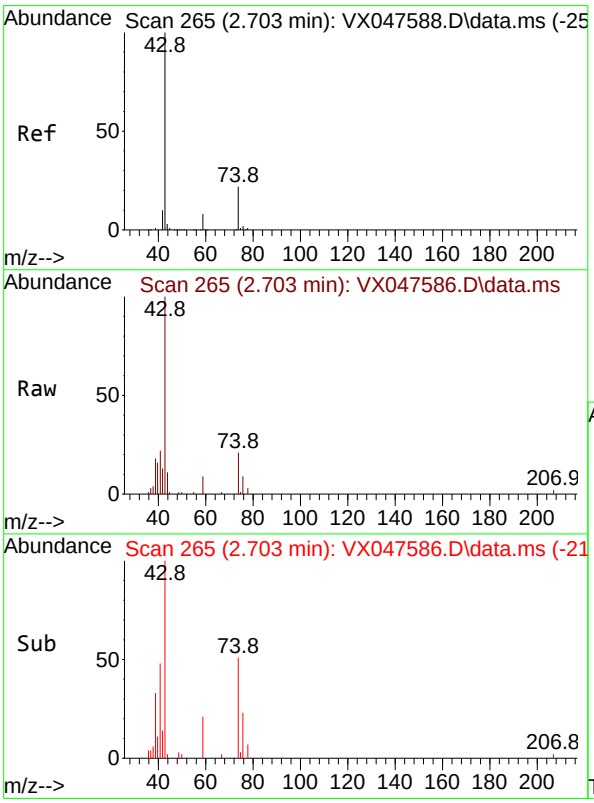
#17
Carbon Disulfide
Concen: 5.335 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 34426

Ion	Ratio	Lower	Upper
76	100		
78	8.6	6.8	10.2

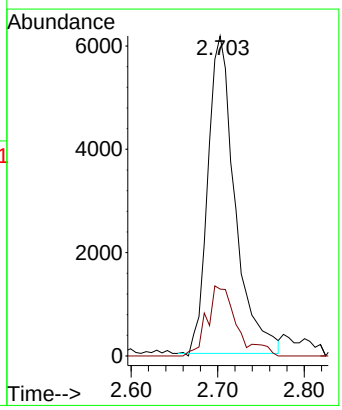


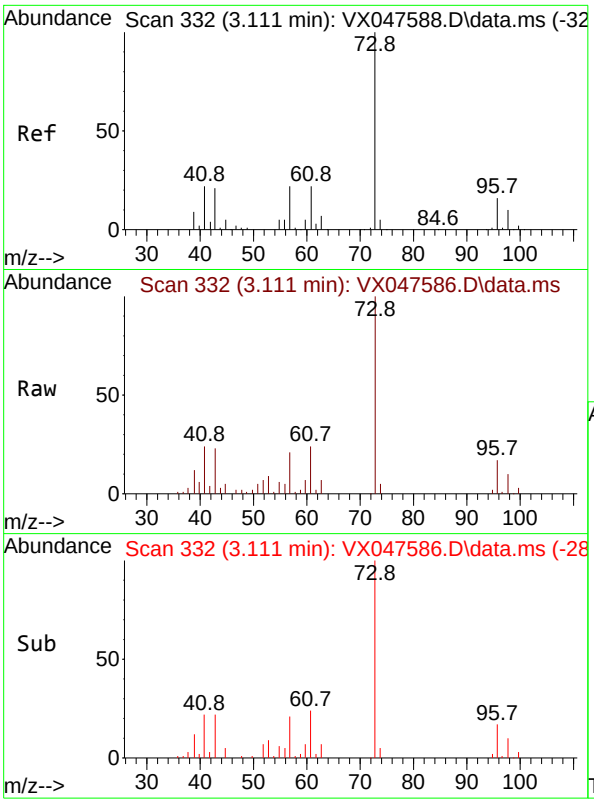


#18
Methyl Acetate
Concen: 4.371 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 13357

Ion	Ratio	Lower	Upper
43	100		
74	22.9	17.4	26.2



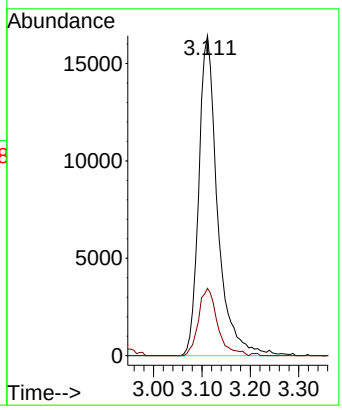


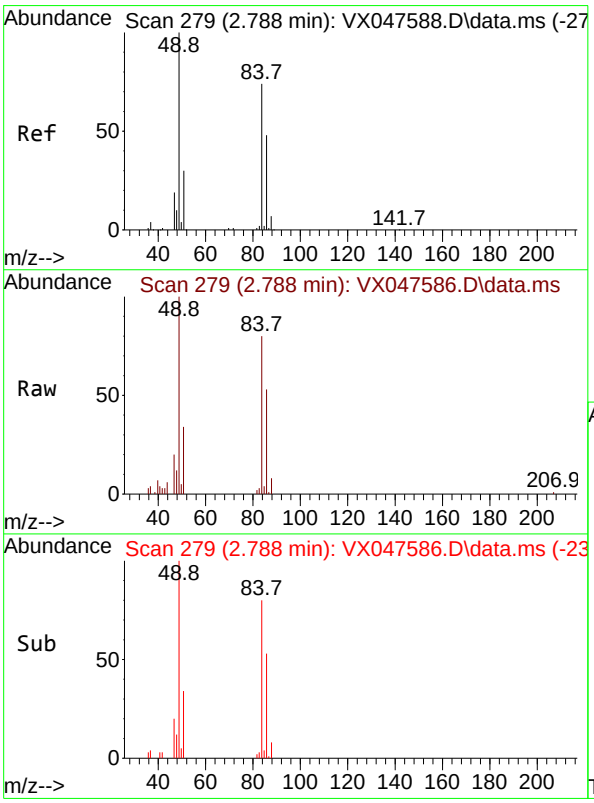
#19
Methyl tert-butyl Ether
Concen: 5.160 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 44396

Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.4	26.2

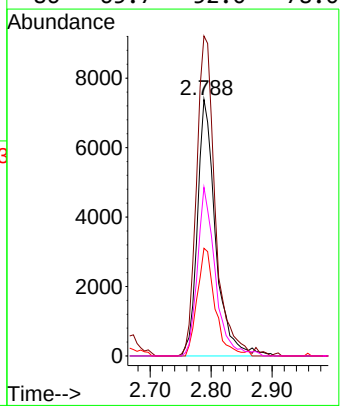


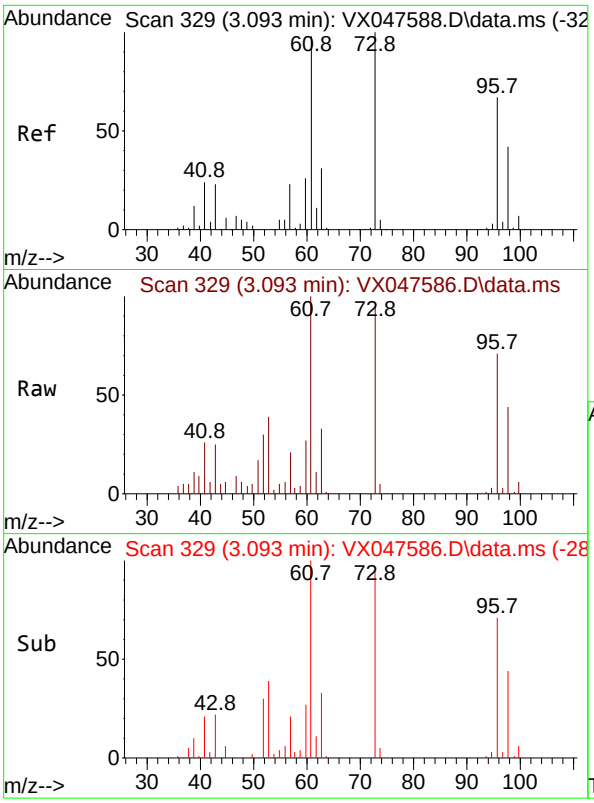


#20
Methylene Chloride
Concen: 5.267 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 84 Resp: 15307

Ion	Ratio	Lower	Upper
84	100		
49	124.7	108.6	162.8
51	42.0	32.6	48.8
86	65.7	52.0	78.0



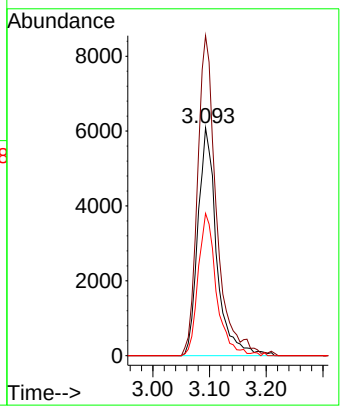


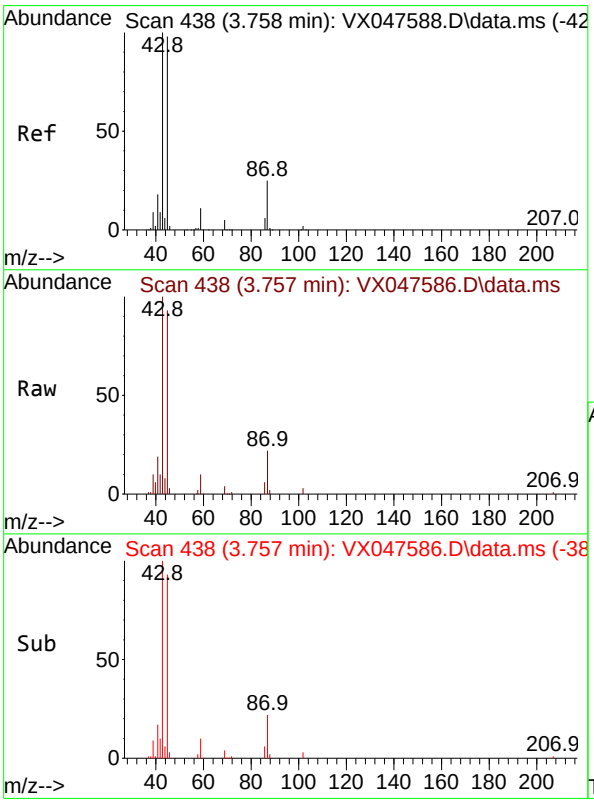
#21
trans-1,2-Dichloroethene
Concen: 5.492 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 13937

Ion	Ratio	Lower	Upper
96	100		
61	140.4	116.2	174.2
98	62.4	49.3	73.9

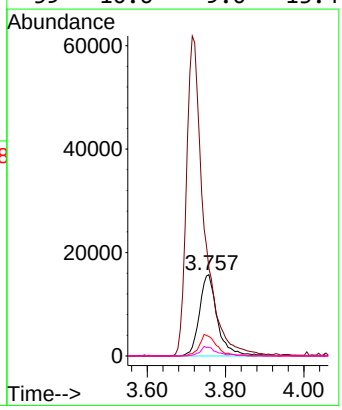


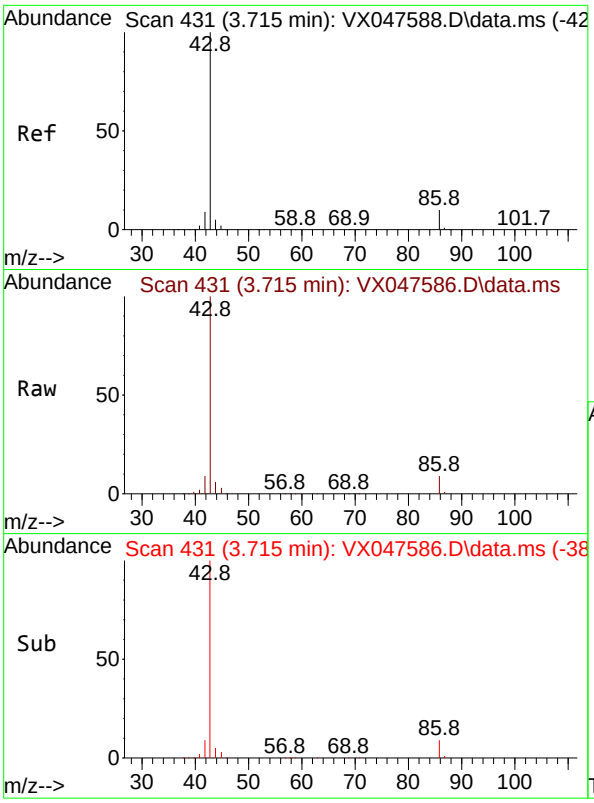


#22
Diisopropyl ether
Concen: 5.327 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 45 Resp: 50213

Ion	Ratio	Lower	Upper
45	100		
43	102.8	81.0	121.4
87	23.3	20.3	30.5
59	10.6	9.0	13.4



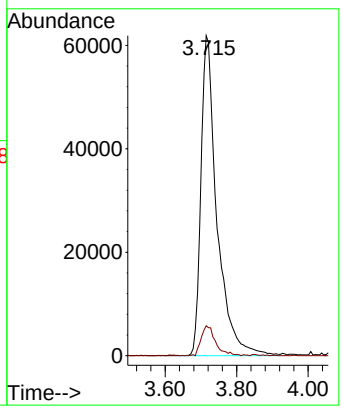


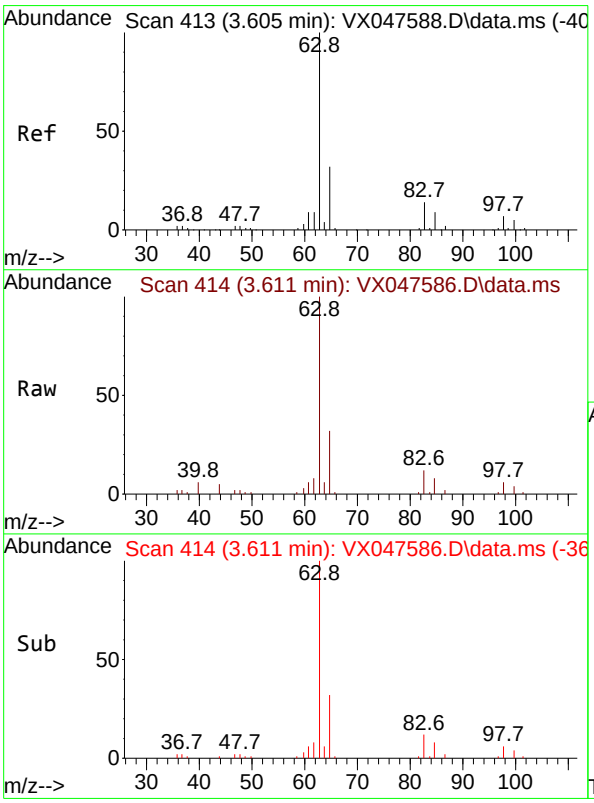
#23
Vinyl Acetate
Concen: 25.474 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 192175

Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.8	11.8

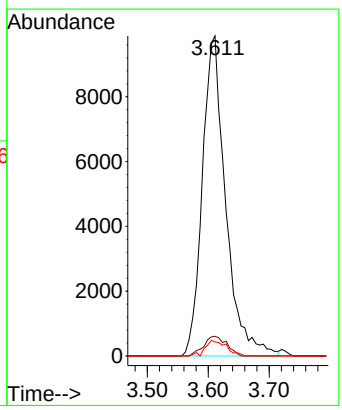


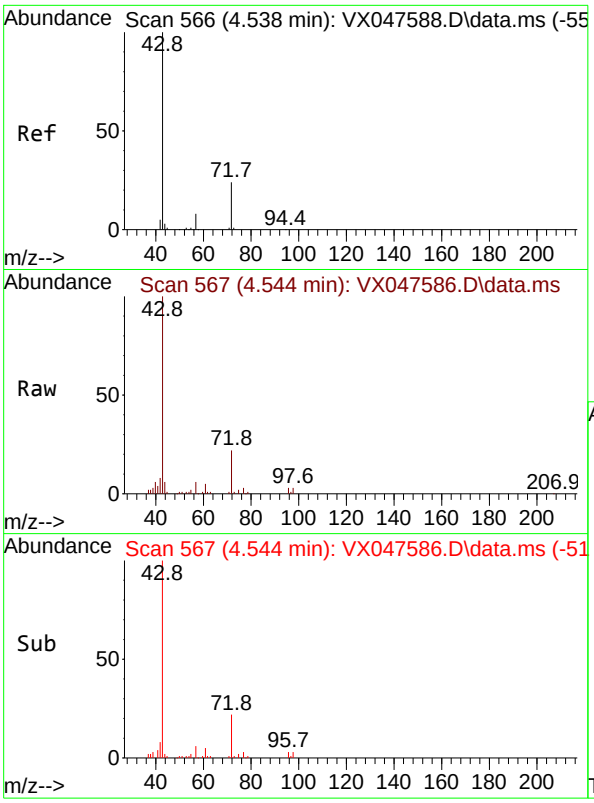


#24
1,1-Dichloroethane
Concen: 5.248 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 63 Resp: 26292

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.8	11.2
100	4.4	2.3	6.9



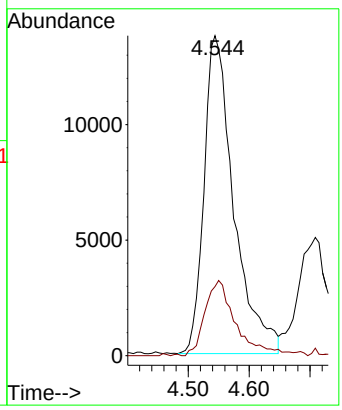


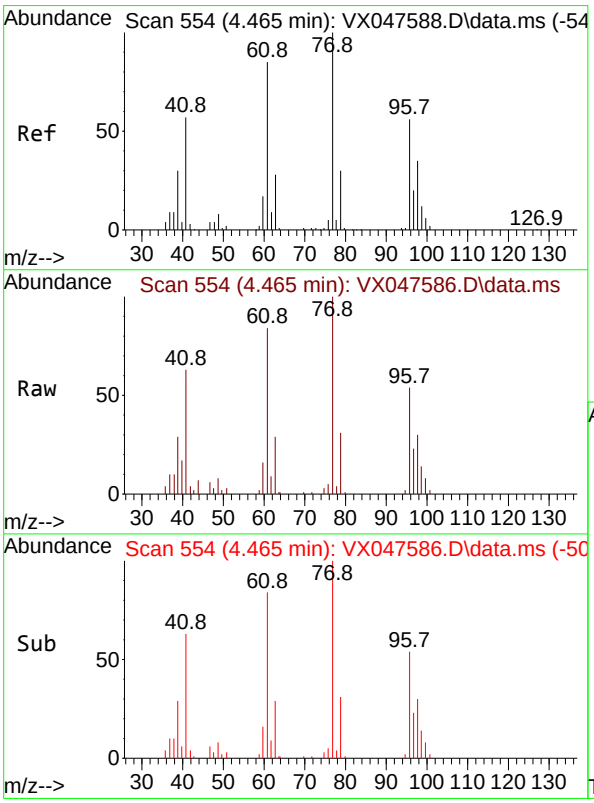
#25
2-Butanone
Concen: 27.240 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 46651

Ion	Ratio	Lower	Upper
43	100		
72	21.3	20.1	30.1

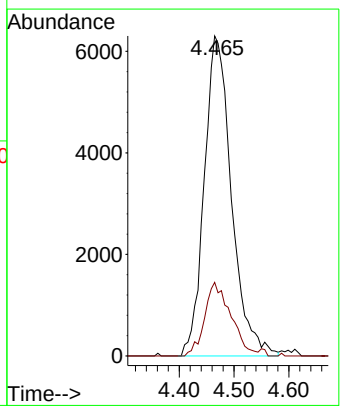


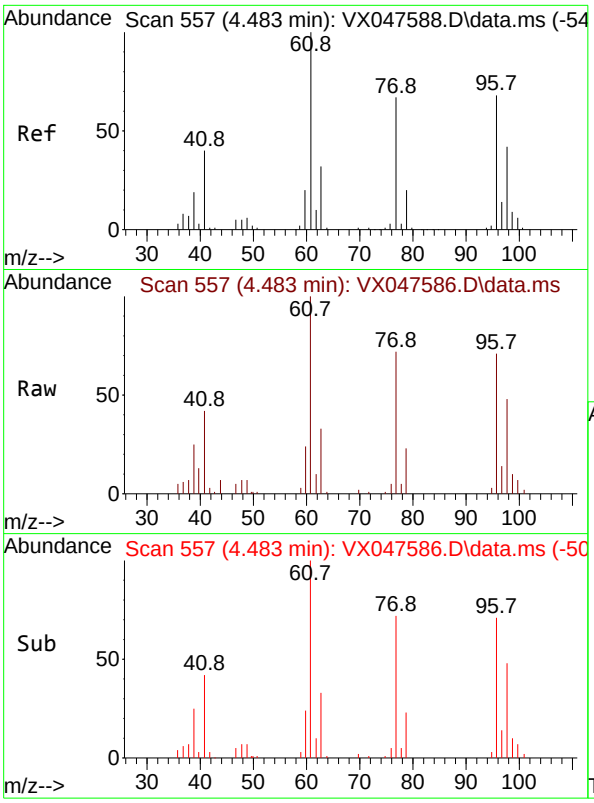


#26
2,2-Dichloropropane
Concen: 5.220 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 77 Resp: 21738

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.9	32.7



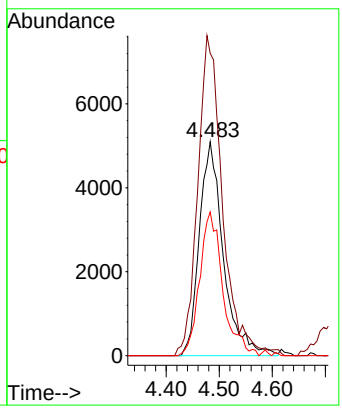


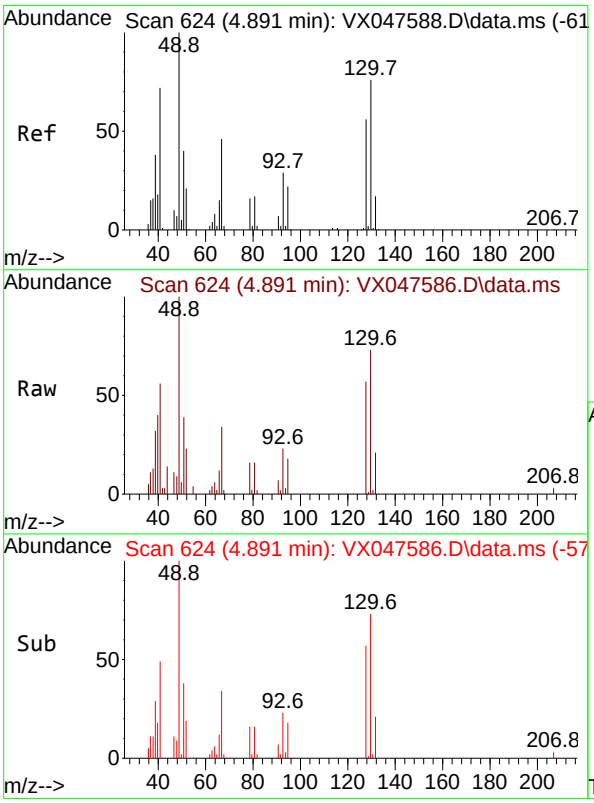
#27
cis-1,2-Dichloroethene
Concen: 5.147 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 15996

Ion	Ratio	Lower	Upper
96	100		
61	154.4	0.0	303.2
98	64.8	0.0	127.8

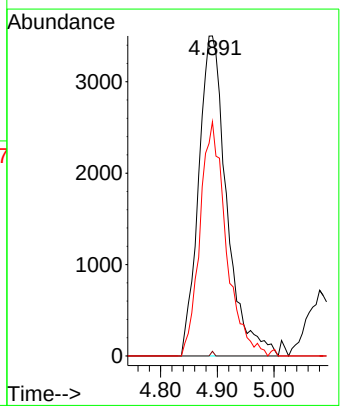


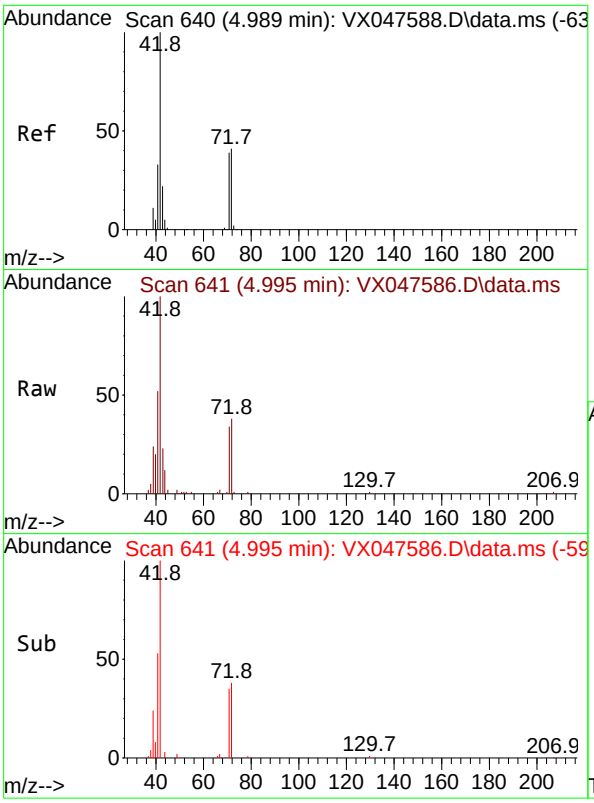


#28
Bromochloromethane
Concen: 5.508 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 49 Resp: 12047

Ion	Ratio	Lower	Upper
49	100		
129	0.2	0.0	3.2
130	68.0	57.8	86.8



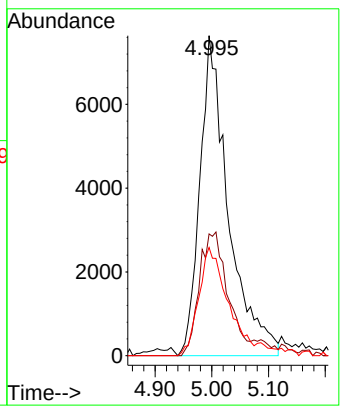


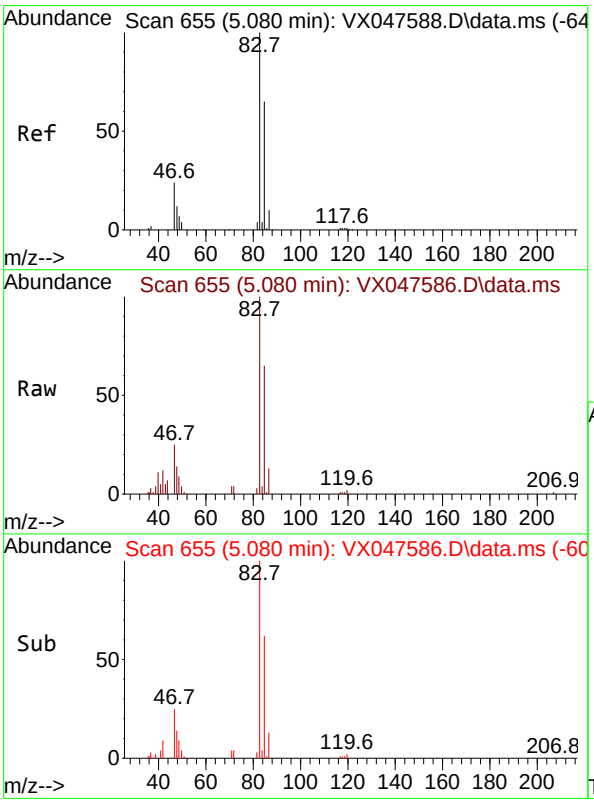
#29
Tetrahydrofuran
Concen: 25.944 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 26729

Ion	Ratio	Lower	Upper
42	100		
72	38.7	34.2	51.2
71	34.1	31.9	47.9

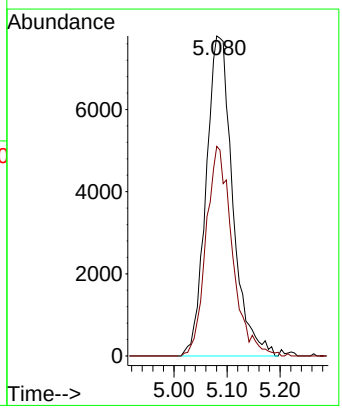


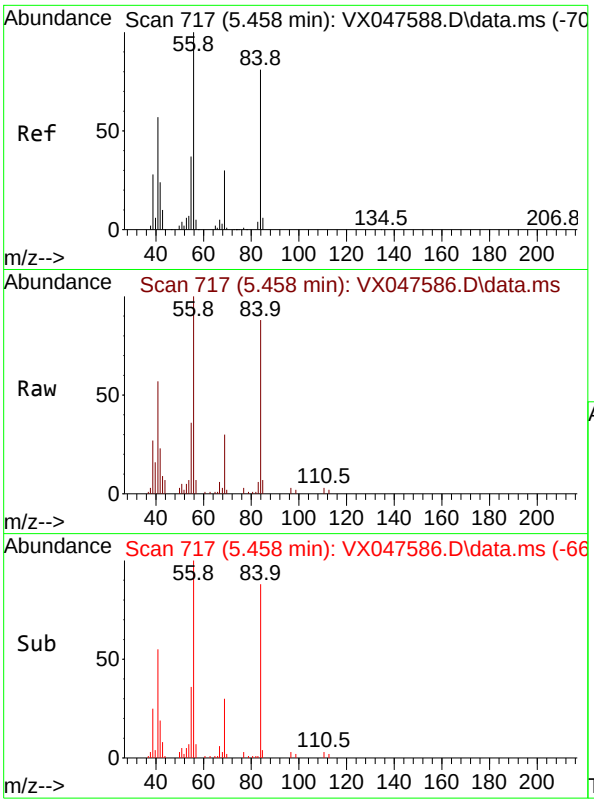


#30
Chloroform
Concen: 5.344 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 83 Resp: 27054

Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.8	77.6



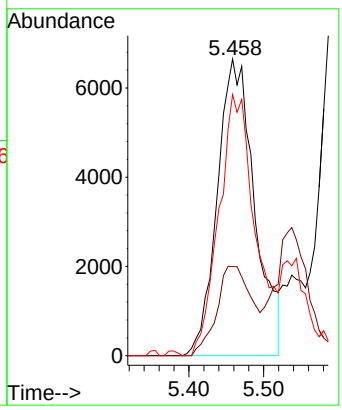


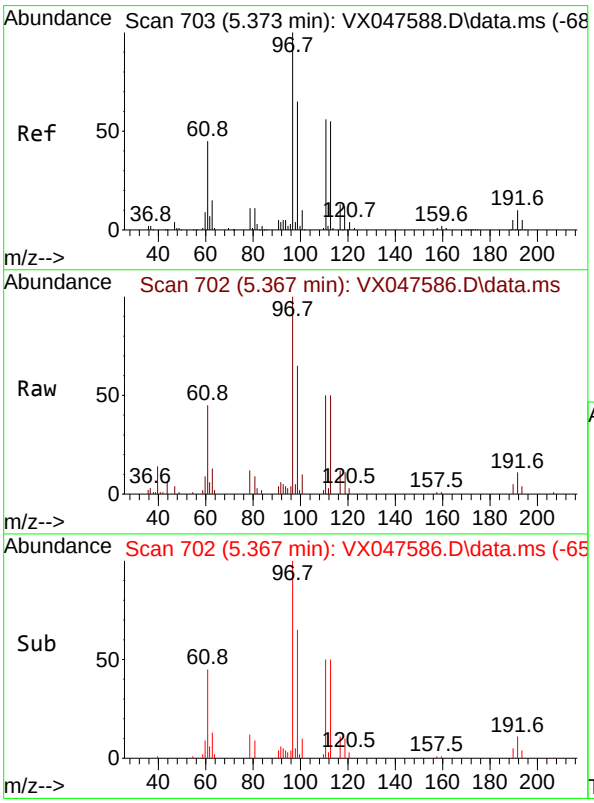
#31
Cyclohexane
Concen: 5.520 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 23032

Ion	Ratio	Lower	Upper
56	100		
69	32.2	23.8	35.8
84	87.1	64.6	97.0

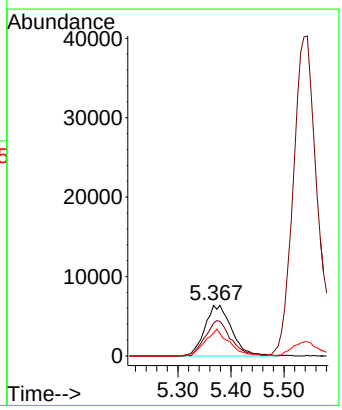


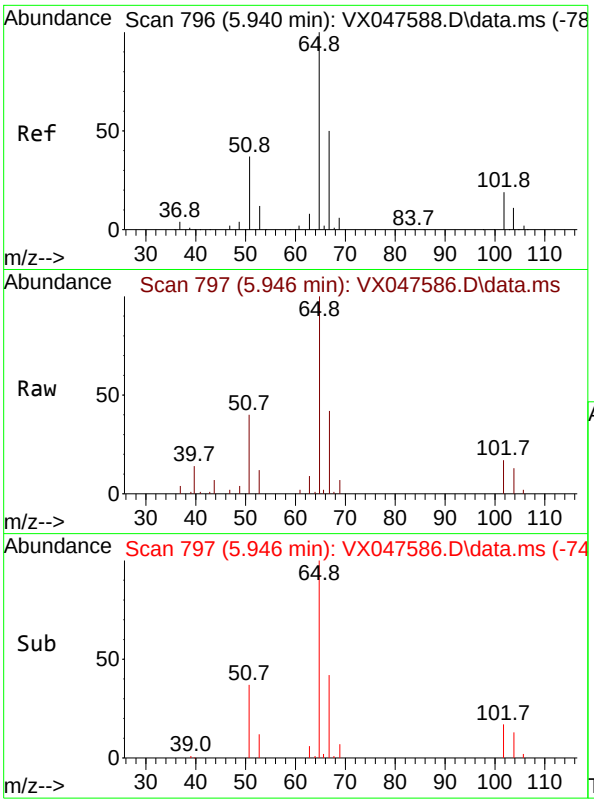


#32
1,1,1-Trichloroethane
Concen: 5.188 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 97 Resp: 22279

Ion	Ratio	Lower	Upper
97	100		
99	66.4	50.6	76.0
61	47.4	35.8	53.8



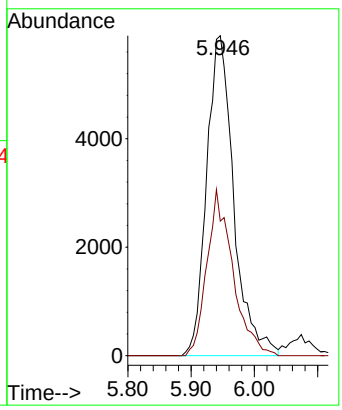


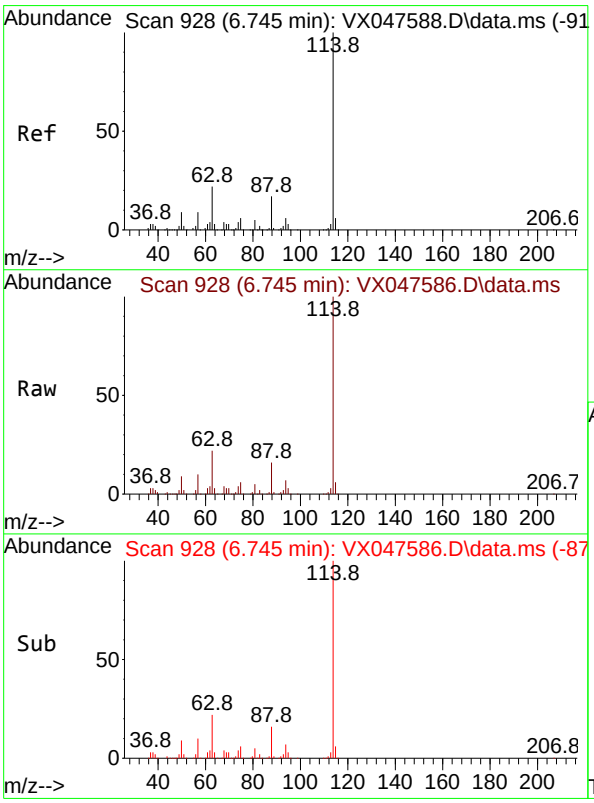
#33
1,2-Dichloroethane-d4
Concen: 5.554 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 17538

Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	103.0

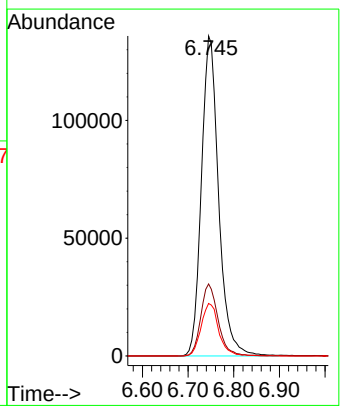


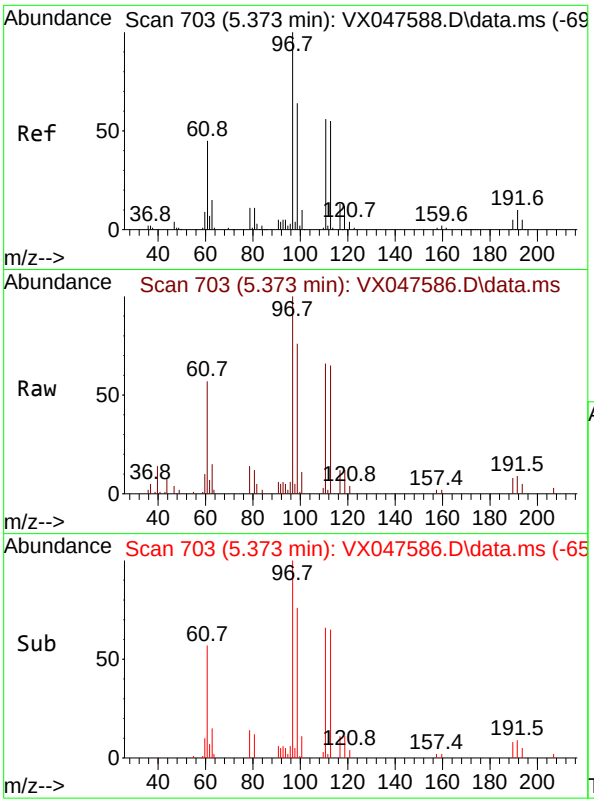


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:114 Resp: 355026

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	44.0
88	16.4	0.0	34.2



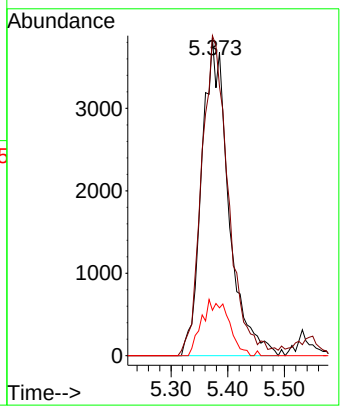


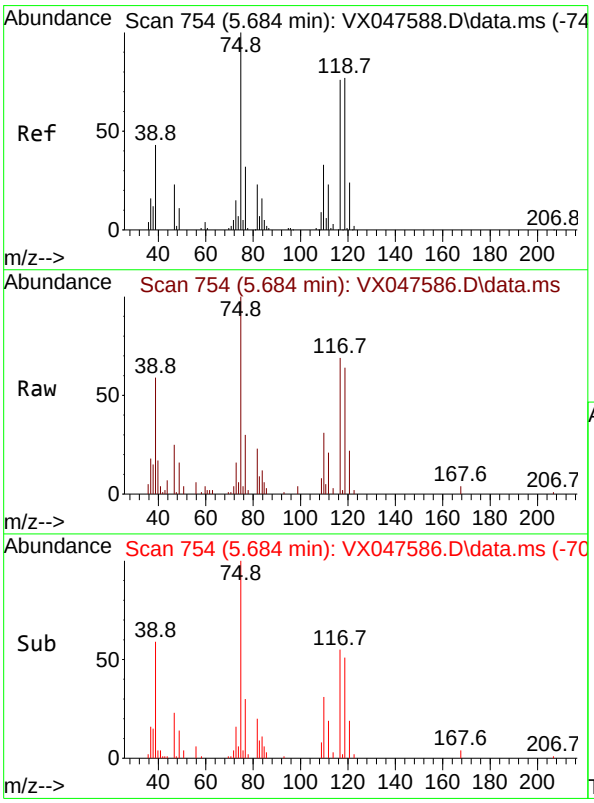
#35
Dibromofluoromethane
Concen: 5.312 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 12647

Ion	Ratio	Lower	Upper
113	100		
111	100.5	80.9	121.3
192	17.8	14.2	21.4

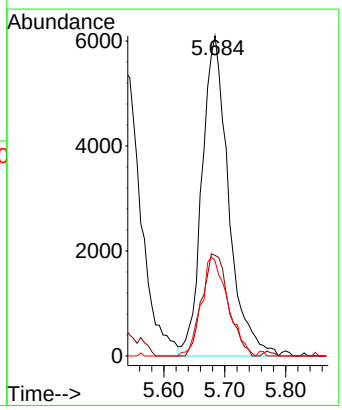


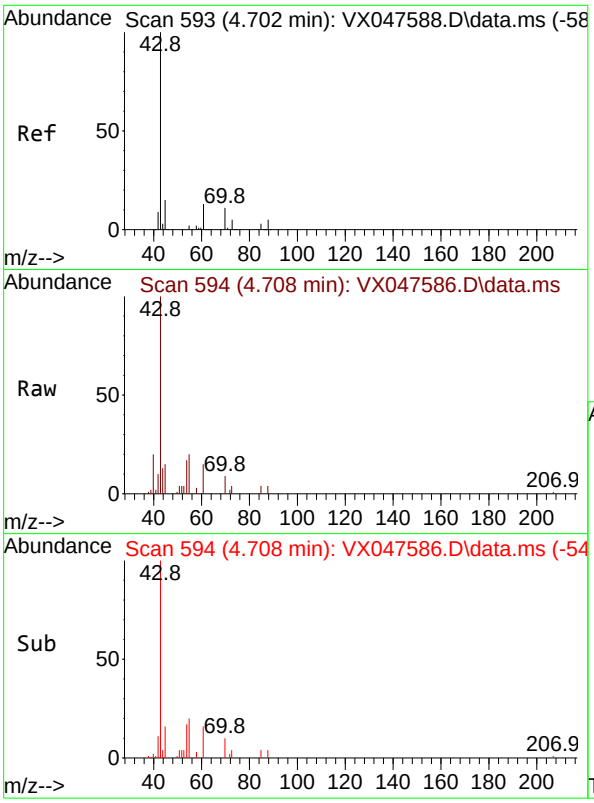


#36
1,1-Dichloropropene
Concen: 5.304 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 18455

Ion	Ratio	Lower	Upper
75	100		
110	31.4	16.7	50.1
77	31.0	24.3	36.5



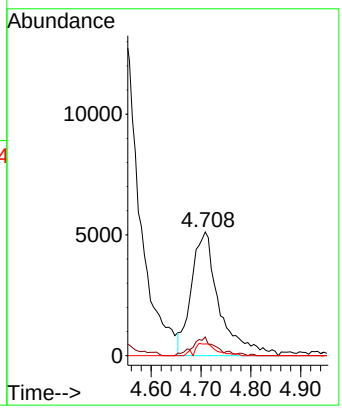


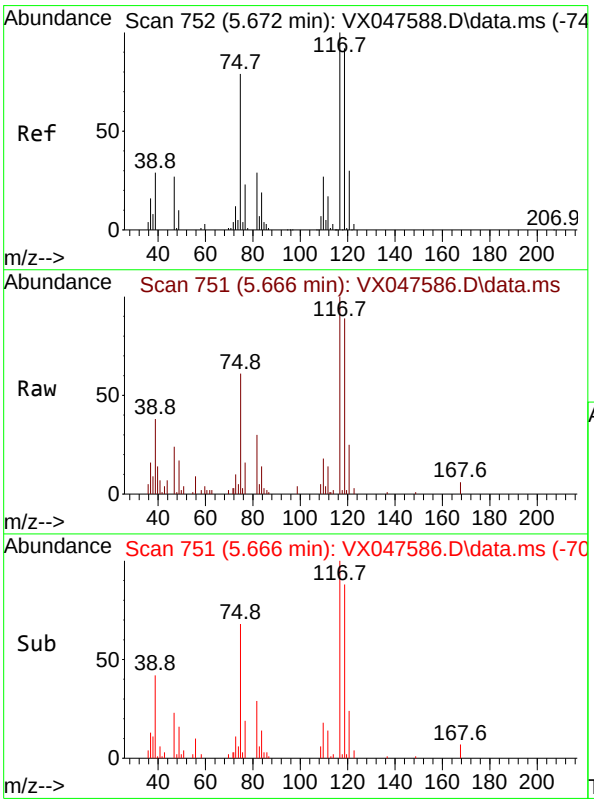
#37
Ethyl Acetate
Concen: 5.345 ug/l
RT: 4.708 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 19913

Ion	Ratio	Lower	Upper
43	100		
61	11.9	9.8	14.8
70	7.6	7.9	11.9#

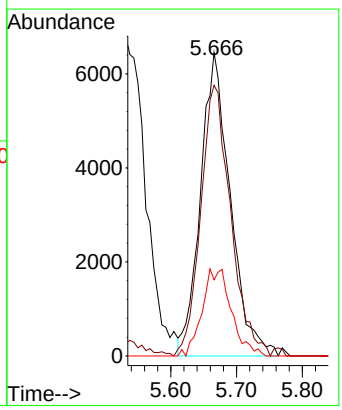


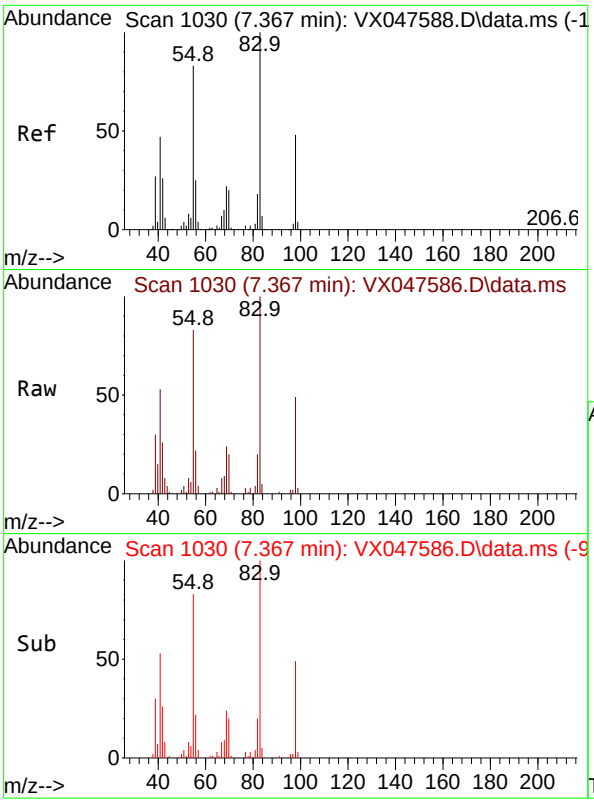


#38
Carbon Tetrachloride
Concen: 5.390 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:117 Resp: 20376

Ion	Ratio	Lower	Upper
117	100		
119	88.9	73.4	110.2
121	25.1	23.8	35.6



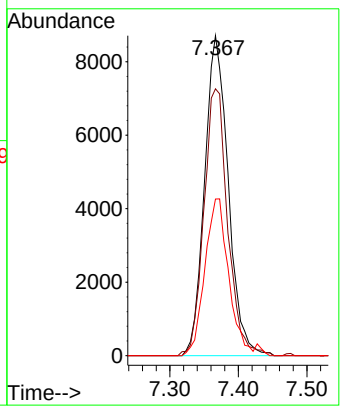


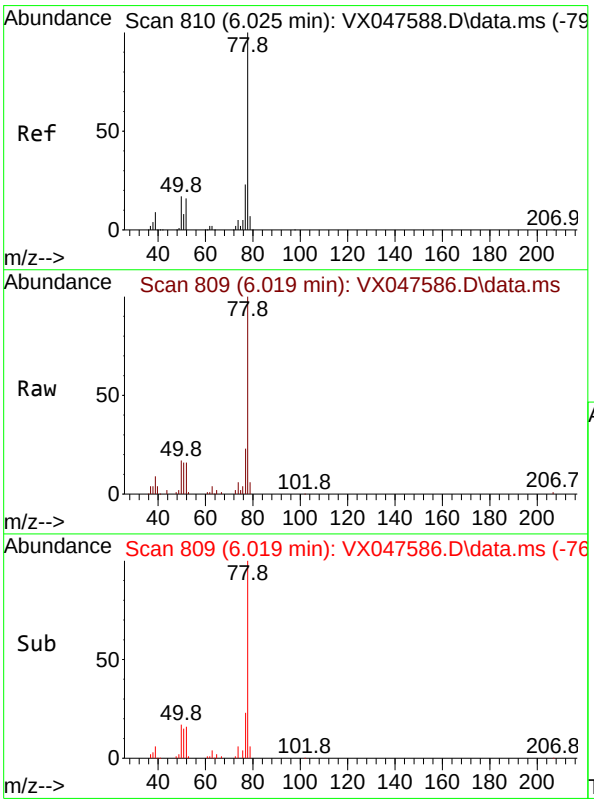
#39
Methylcyclohexane
Concen: 5.292 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 20900

Ion	Ratio	Lower	Upper
83	100		
55	79.1	66.4	99.6
98	46.4	38.1	57.1

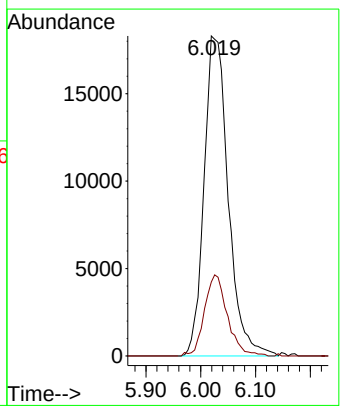


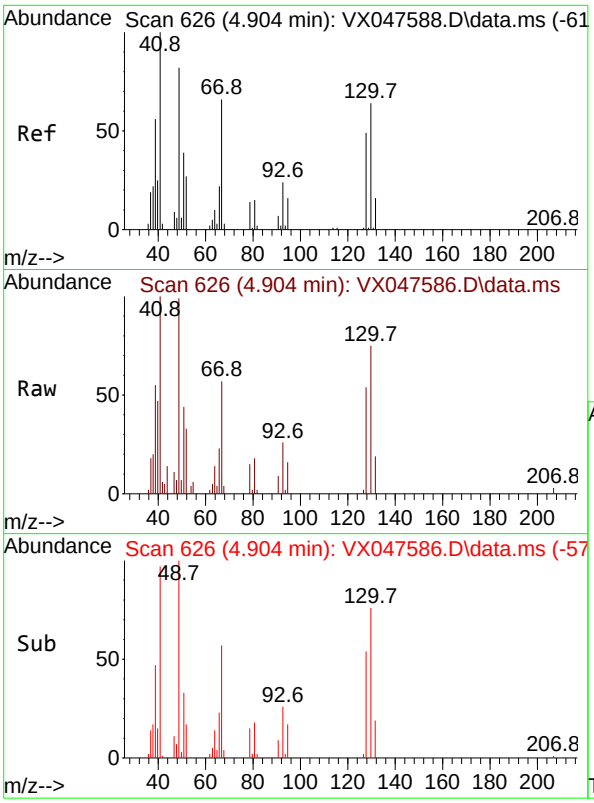


#40
Benzene
Concen: 5.299 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 78 Resp: 55996

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2



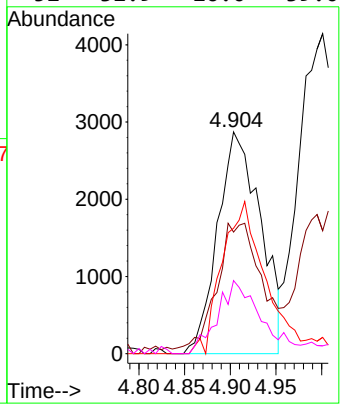


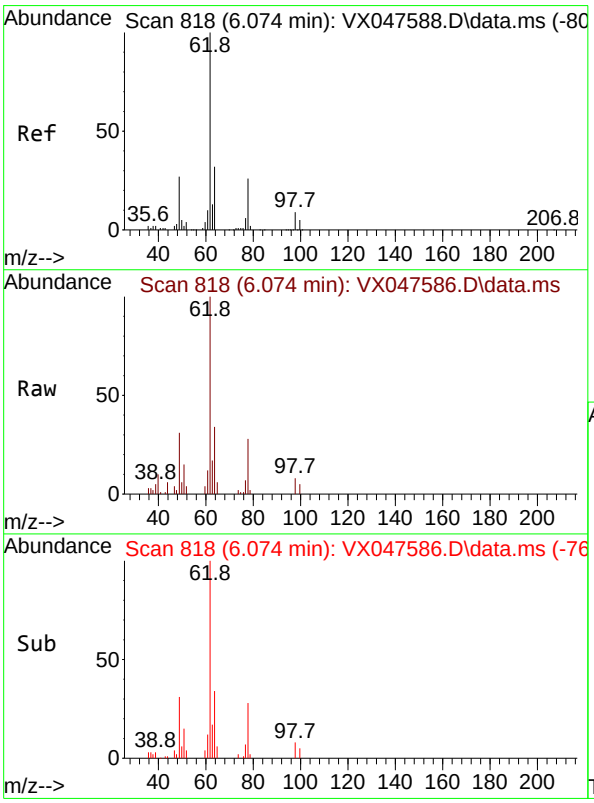
#41
Methacrylonitrile
Concen: 4.883 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 9390

Ion	Ratio	Lower	Upper
41	100		
39	58.3	43.3	64.9
67	68.7	58.6	87.8
52	32.9	26.0	39.0

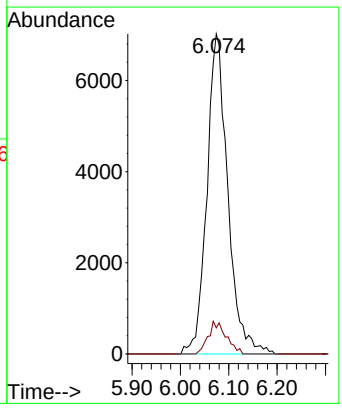


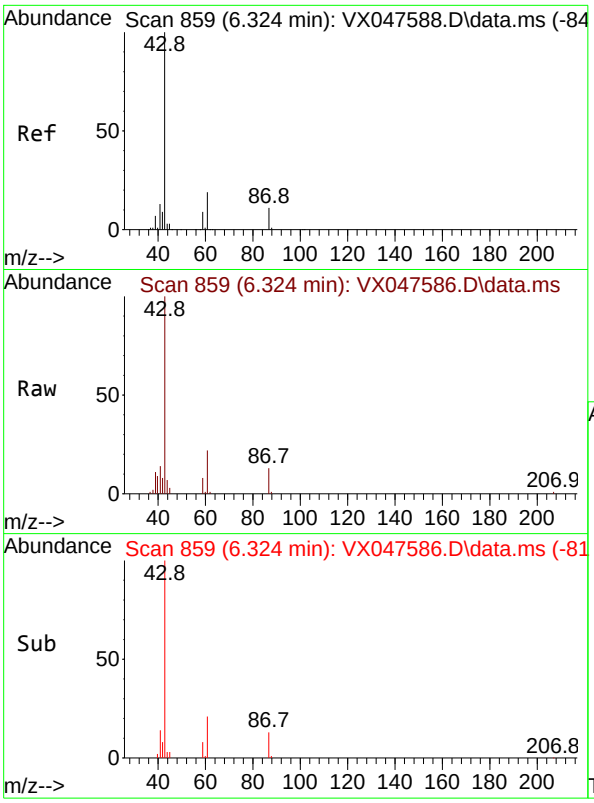


#42
1,2-Dichloroethane
Concen: 5.252 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 62 Resp: 21117

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0



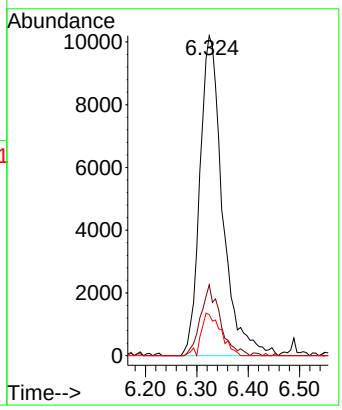


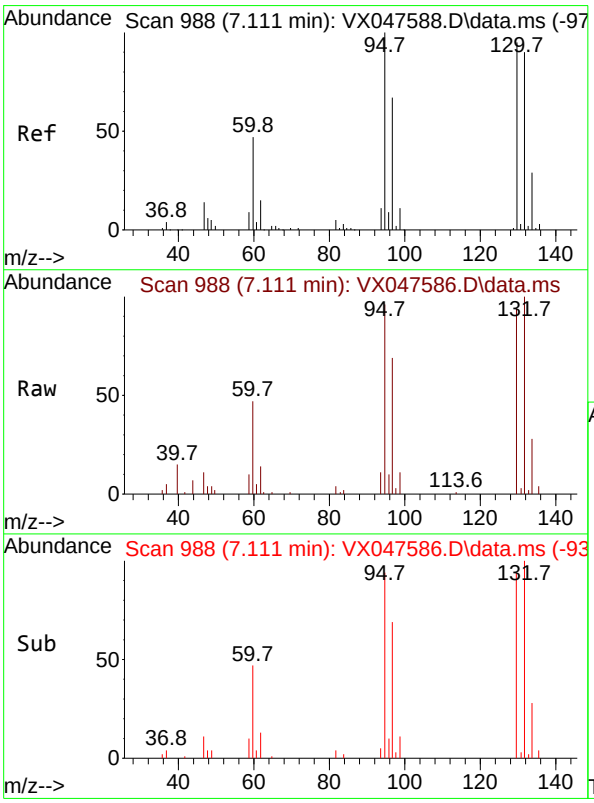
#43
Isopropyl Acetate
Concen: 5.124 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 31304

Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.2	22.8
87	11.6	9.6	14.4

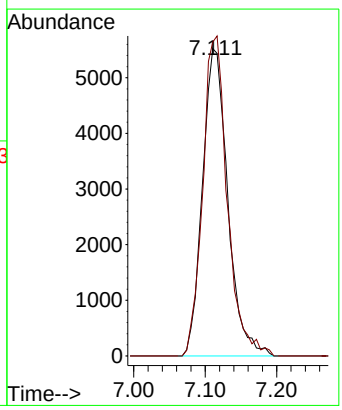


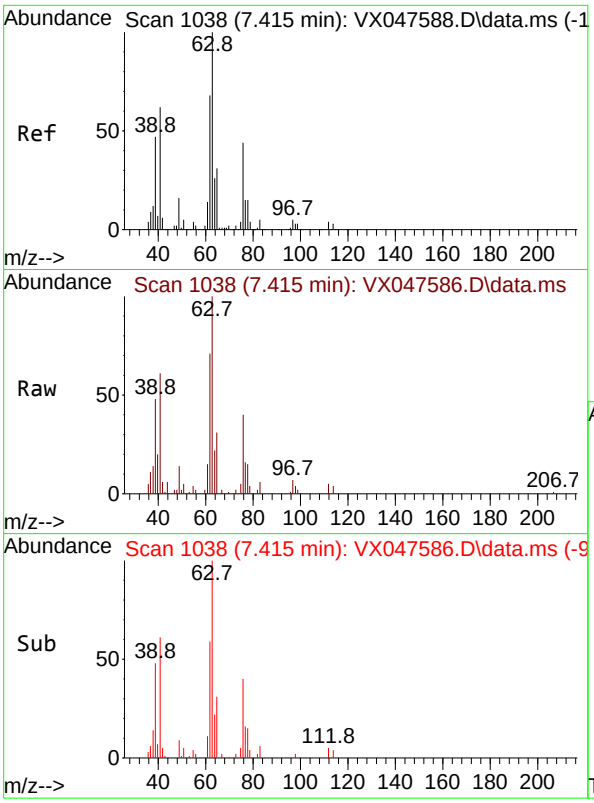


#44
Trichloroethene
Concen: 5.314 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:130 Resp: 13576

Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	210.8



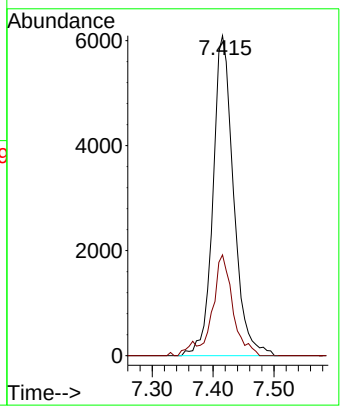


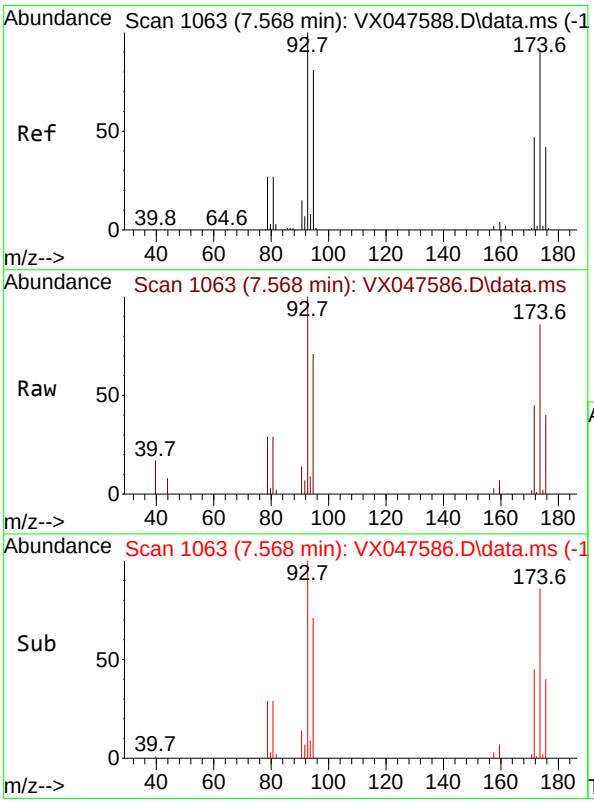
#45
1,2-Dichloropropane
Concen: 5.287 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 14305

Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.7	37.1

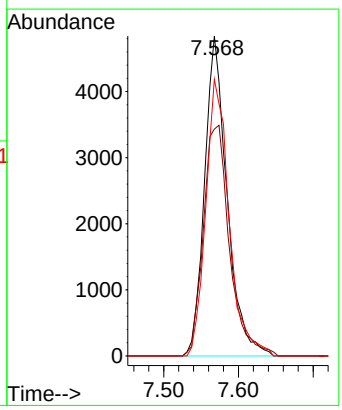


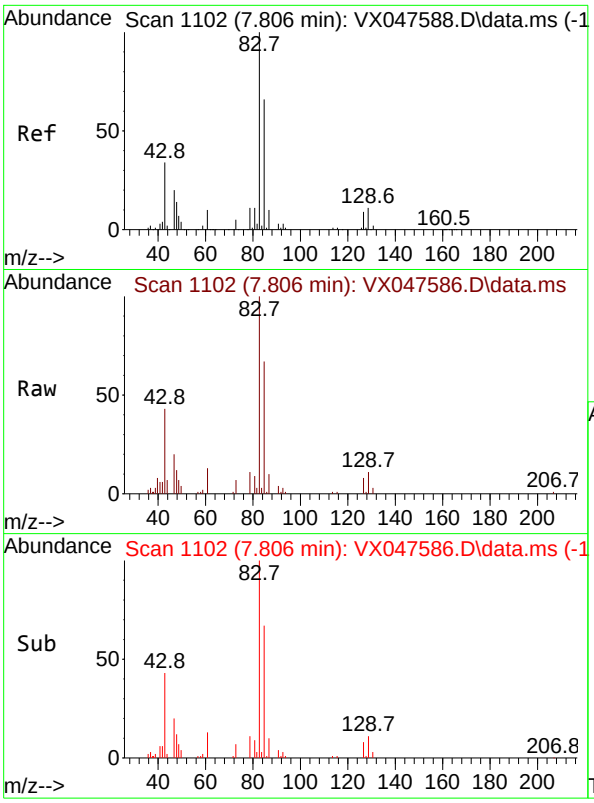


#46
Dibromomethane
Concen: 5.146 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 93 Resp: 10133

Ion	Ratio	Lower	Upper
93	100		
95	83.5	65.0	97.6
174	90.0	71.6	107.4



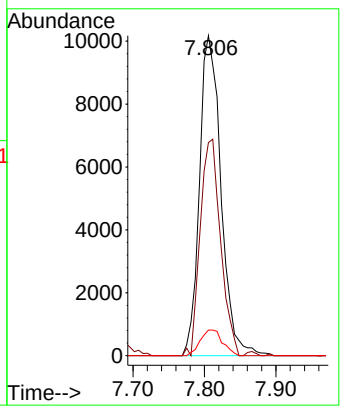


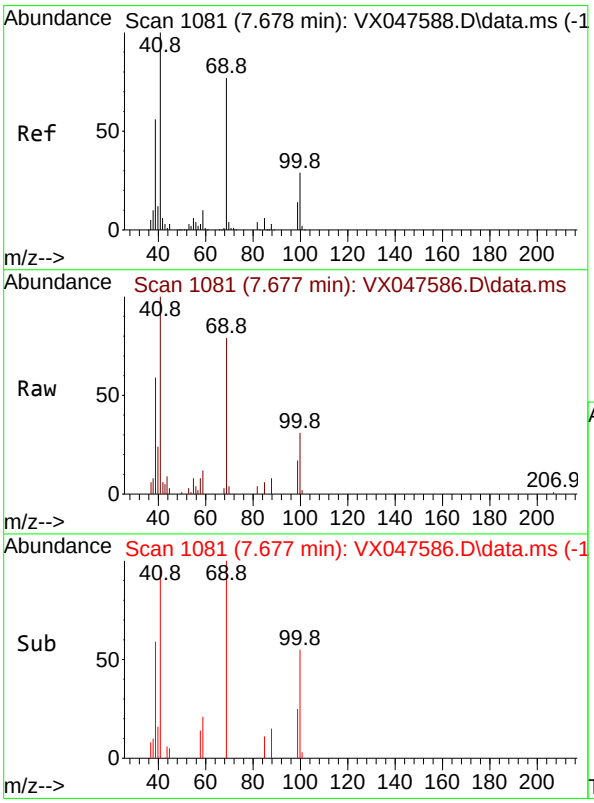
#47
Bromodichloromethane
Concen: 5.235 ug/l
RT: 7.806 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 21270

Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.5	78.7
127	7.8	6.9	10.3

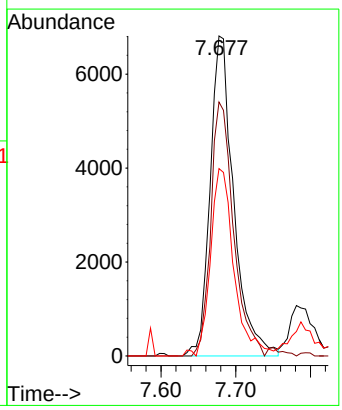


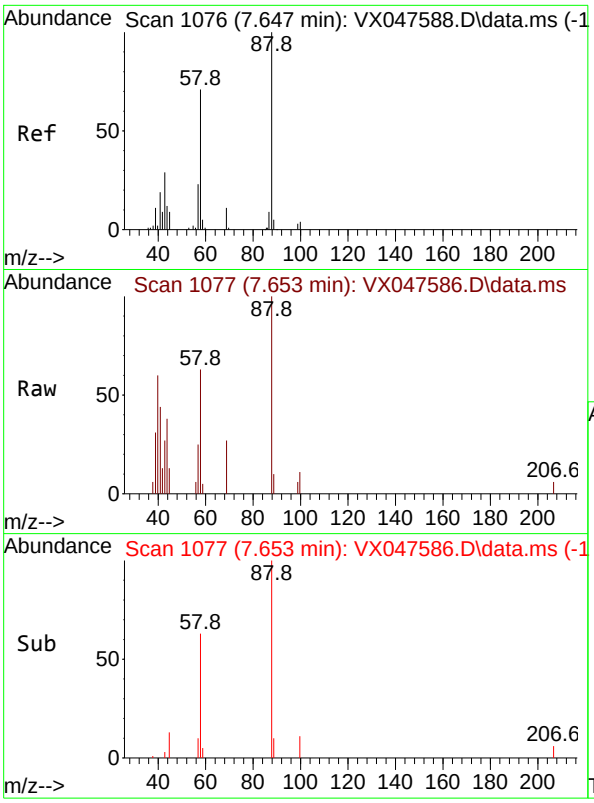


#48
Methyl methacrylate
Concen: 4.915 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 41 Resp: 14959

Ion	Ratio	Lower	Upper
41	100		
69	76.4	61.4	92.2
39	58.2	45.8	68.6



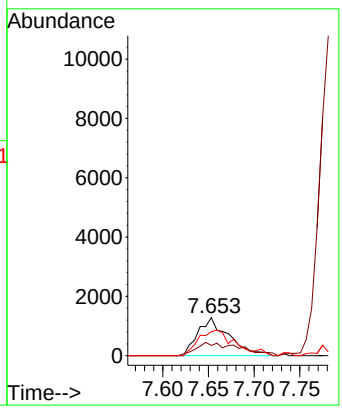


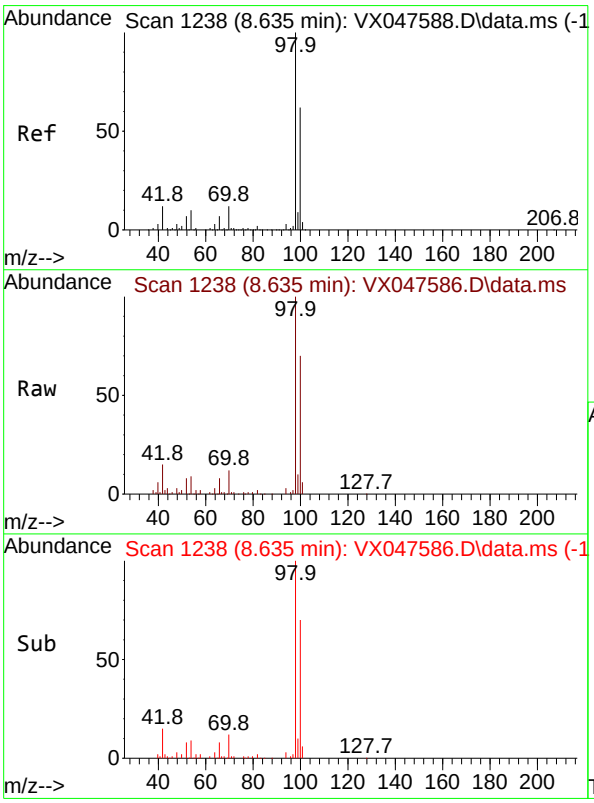
#49
1,4-Dioxane
Concen: 98.096 ug/l
RT: 7.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 3017

Ion	Ratio	Lower	Upper
88	100		
43	48.3	30.2	45.2#
58	79.1	59.5	89.3

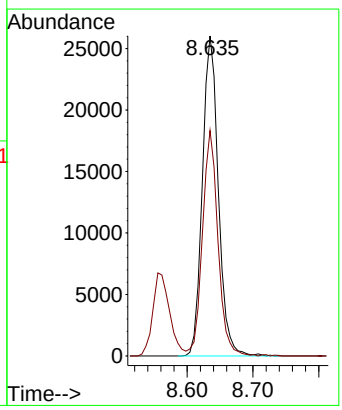


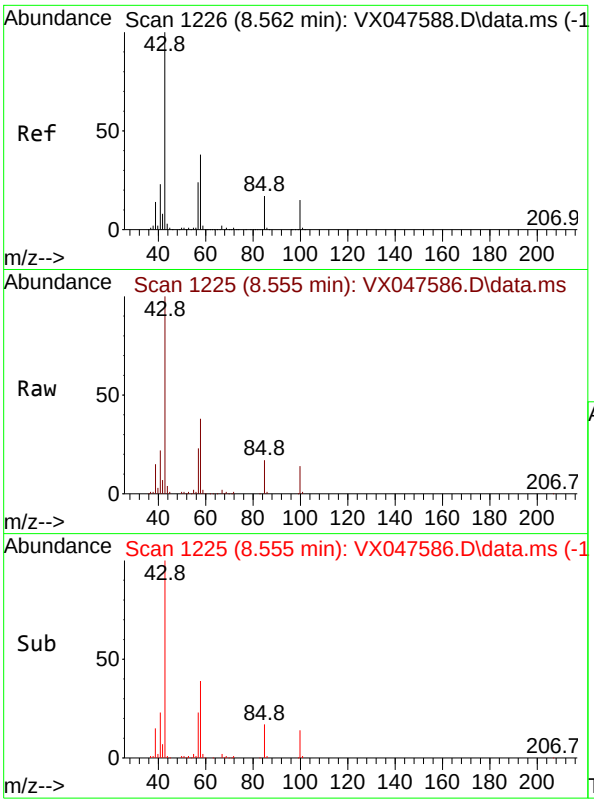


#50
Toluene-d8
Concen: 5.332 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 98 Resp: 43926

Ion	Ratio	Lower	Upper
98	100		
100	68.4	53.0	79.4



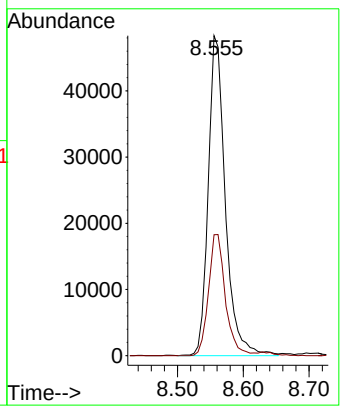


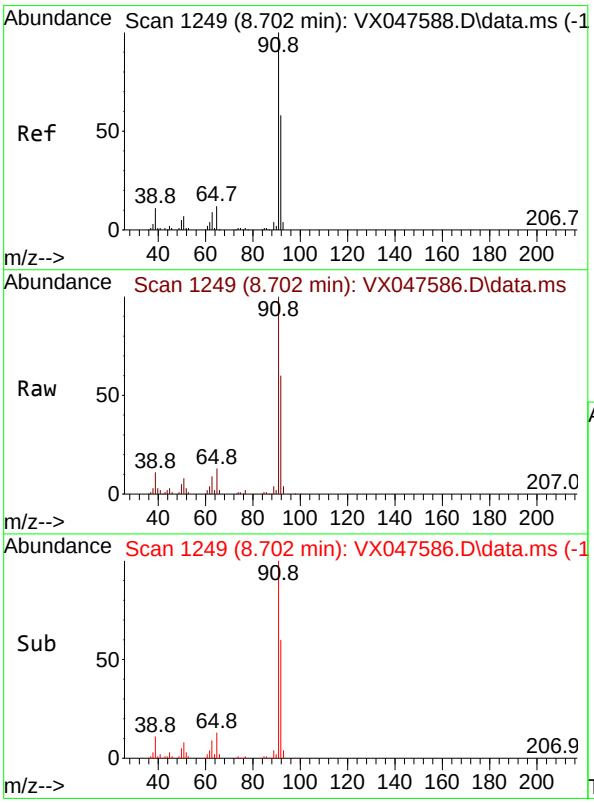
#51
4-Methyl-2-Pentanone
Concen: 25.828 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 87492

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.3	45.5

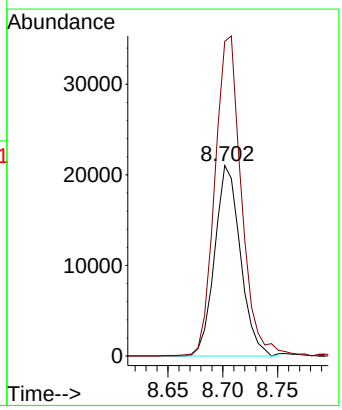


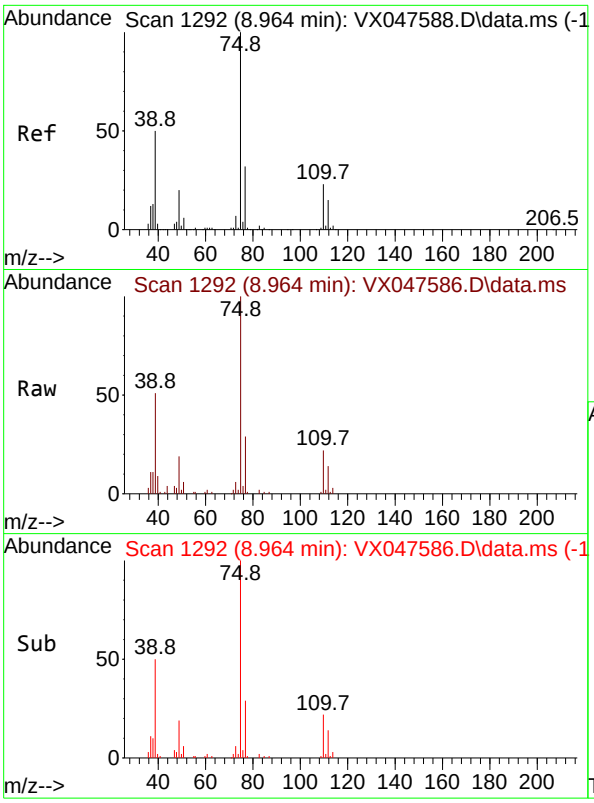


#52
Toluene
Concen: 5.271 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 92 Resp: 34314

Ion	Ratio	Lower	Upper
92	100		
91	173.8	137.1	205.7



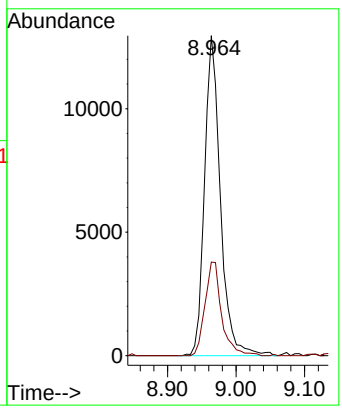


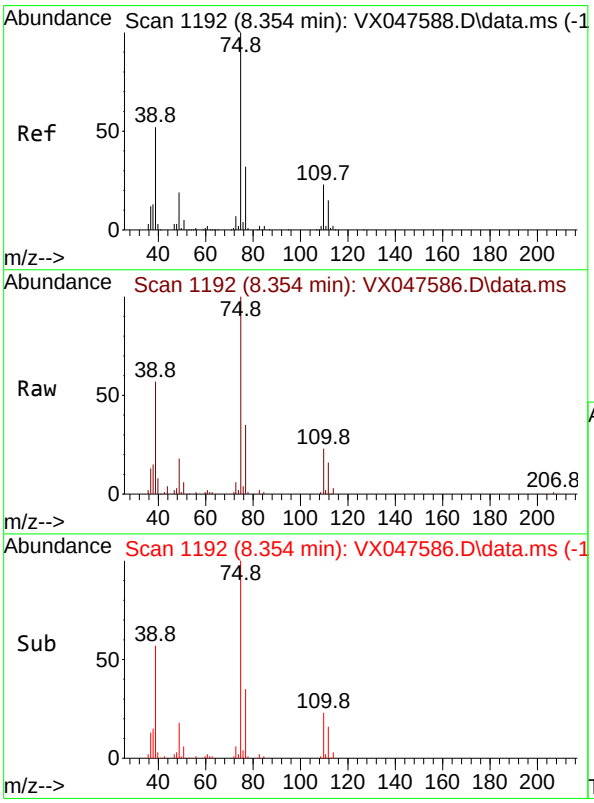
#53
t-1,3-Dichloropropene
Concen: 5.034 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 20863

Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.4	38.2

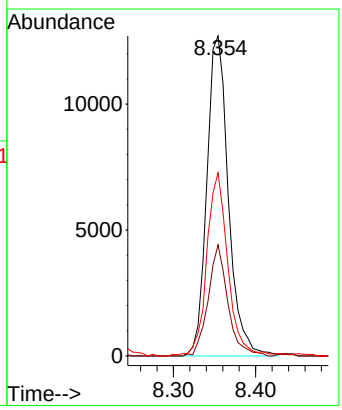


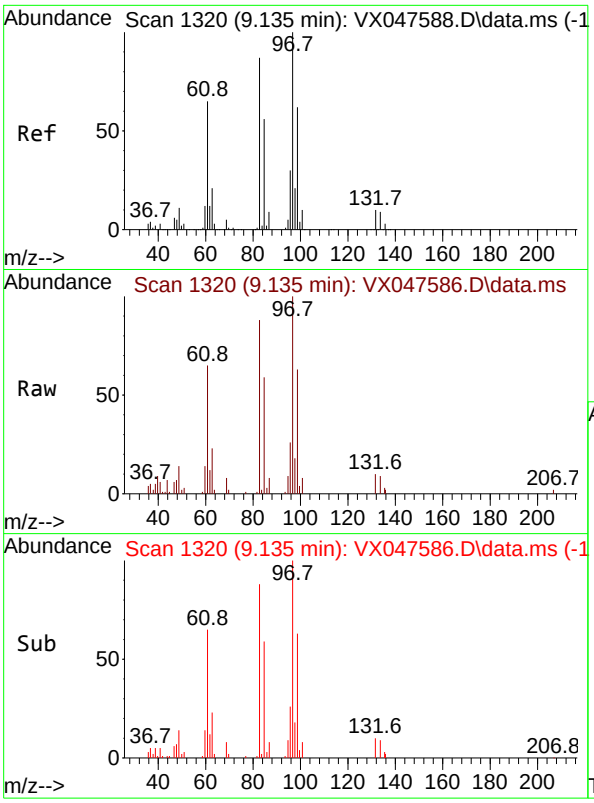


#54
cis-1,3-Dichloropropene
Concen: 5.227 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 23157

Ion	Ratio	Lower	Upper
75	100		
77	34.7	25.8	38.6
39	51.7	41.4	62.2



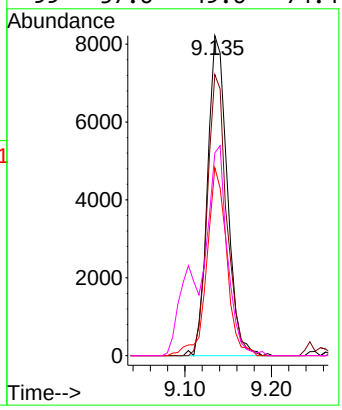


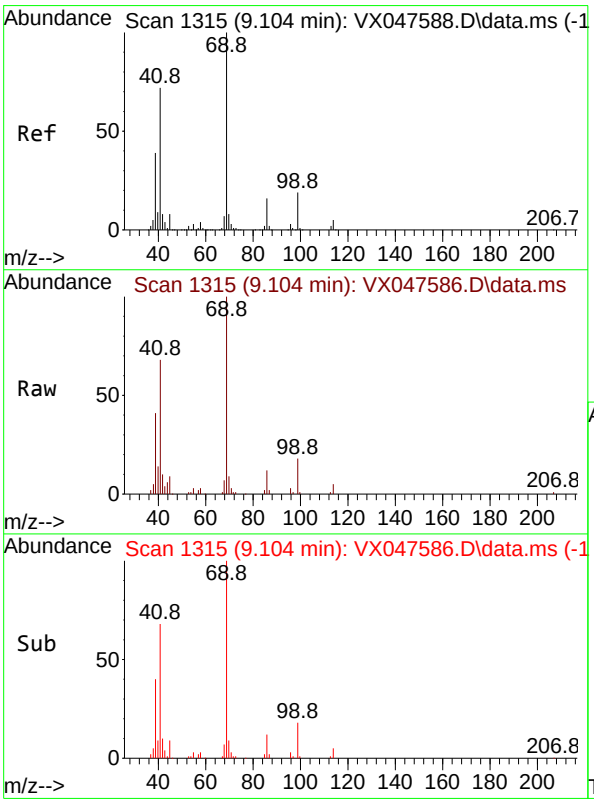
#55
1,1,2-Trichloroethane
Concen: 5.166 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 12968

Ion	Ratio	Lower	Upper
97	100		
83	76.7	69.6	104.4
85	49.9	45.0	67.6
99	57.6	49.6	74.4

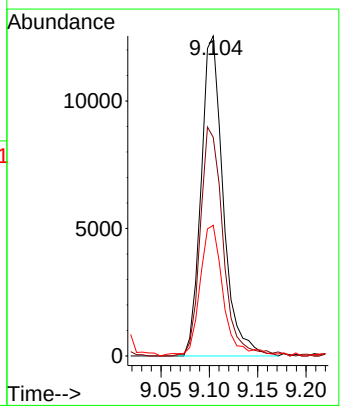


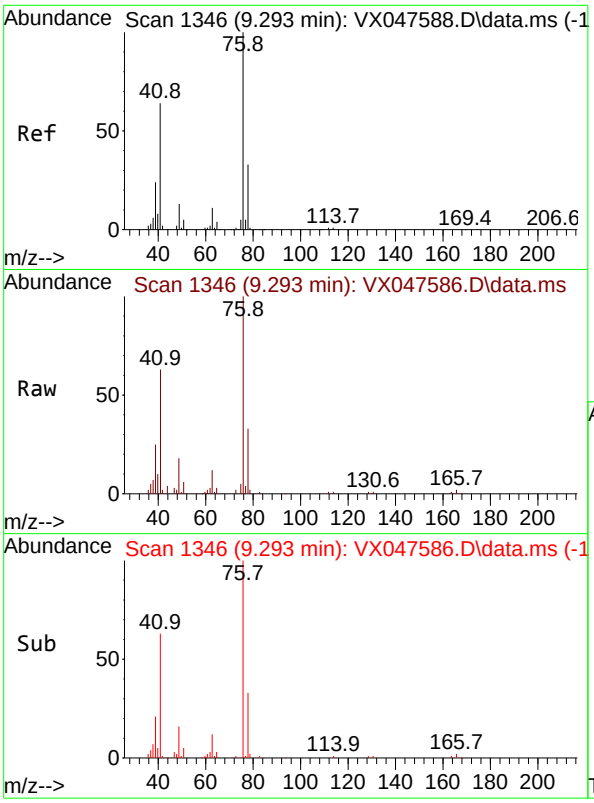


#56
Ethyl methacrylate
Concen: 5.068 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 69 Resp: 19980

Ion	Ratio	Lower	Upper
69	100		
41	73.9	58.6	87.8
39	43.7	31.5	47.3



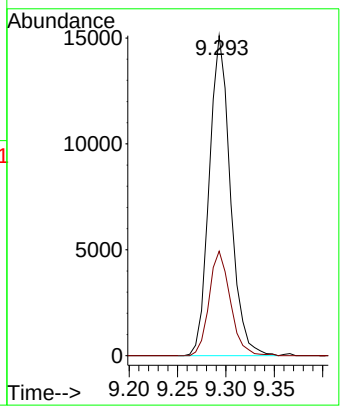


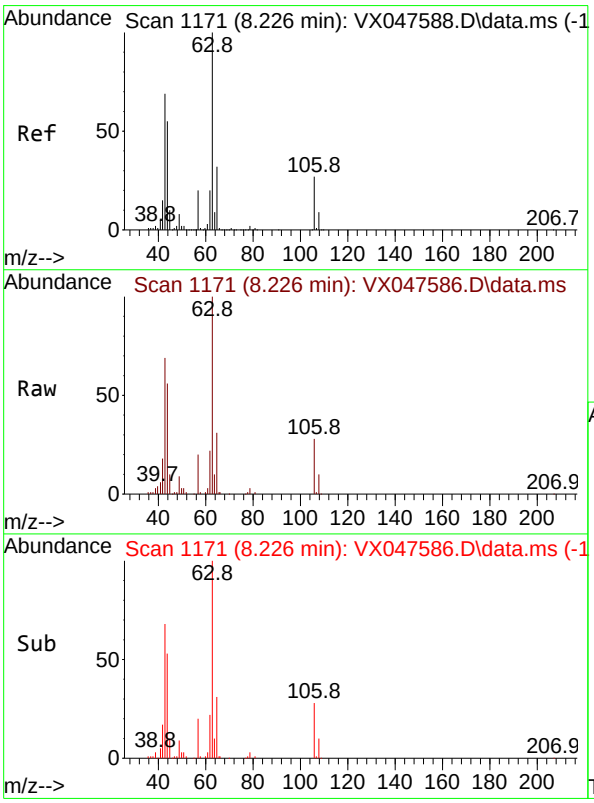
#57
1,3-Dichloropropane
Concen: 5.331 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 22989

Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.2	39.4

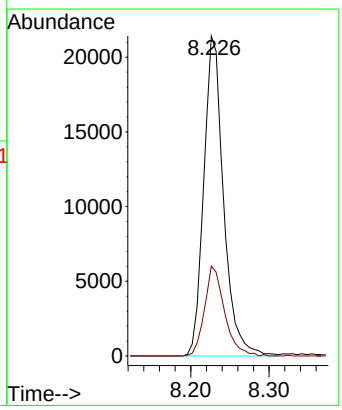


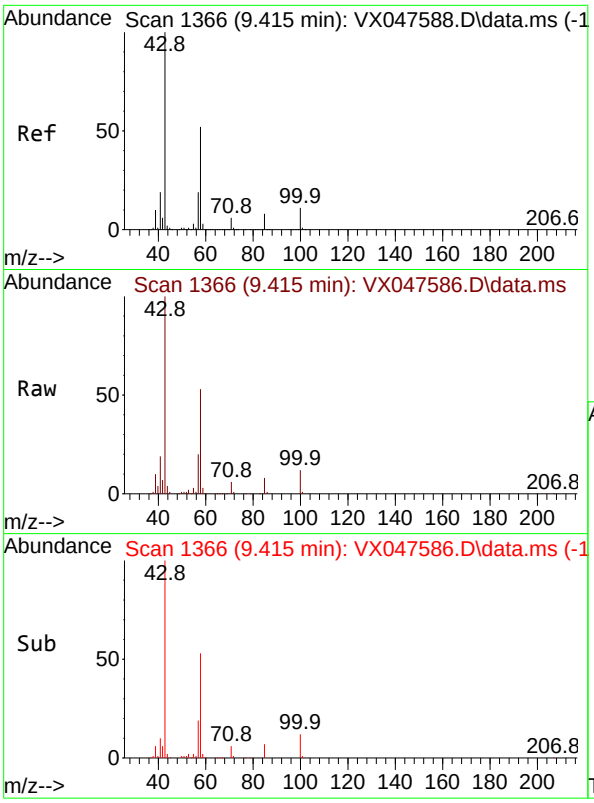


#58
2-Chloroethyl Vinyl ether
Concen: 27.899 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 63 Resp: 37585

Ion	Ratio	Lower	Upper
63	100		
106	28.3	21.9	32.9



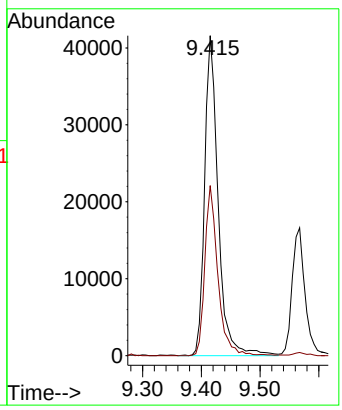


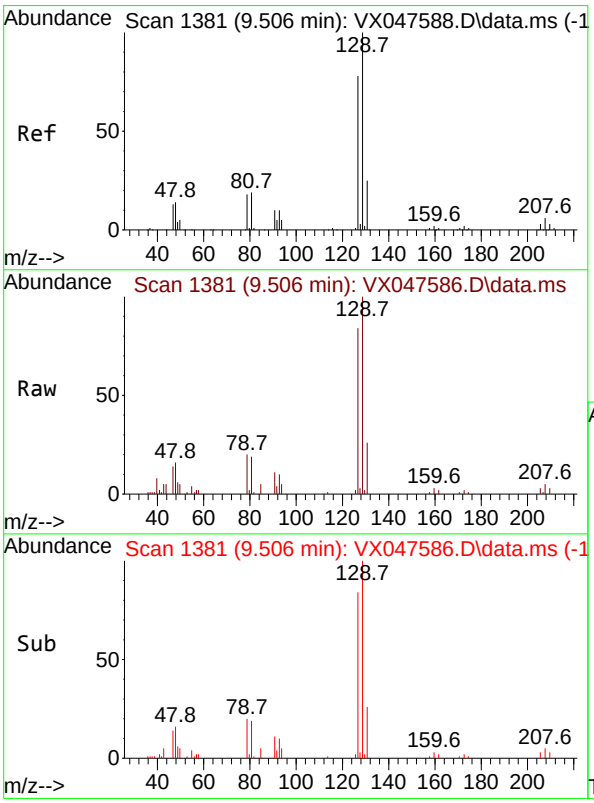
#59
2-Hexanone
Concen: 27.275 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 66356

Ion	Ratio	Lower	Upper
43	100		
58	51.1	26.1	78.2

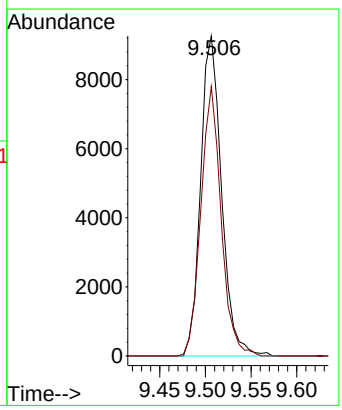


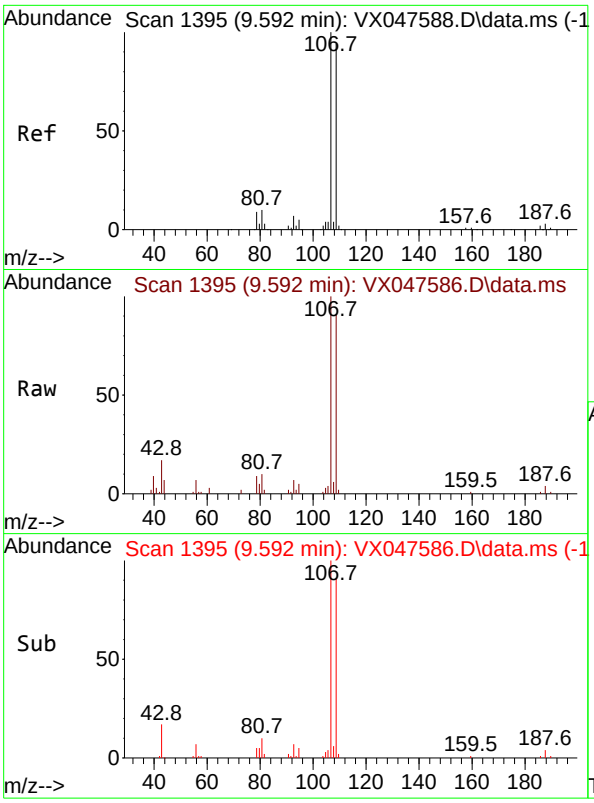


#60
Dibromochloromethane
Concen: 5.084 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:129 Resp: 14705

Ion	Ratio	Lower	Upper
129	100		
127	81.4	38.4	115.2



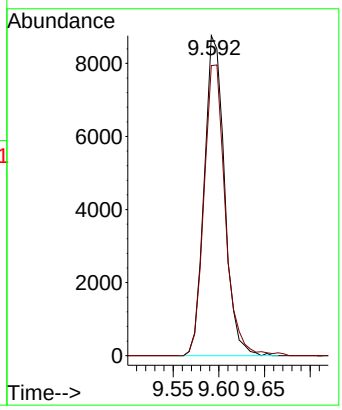


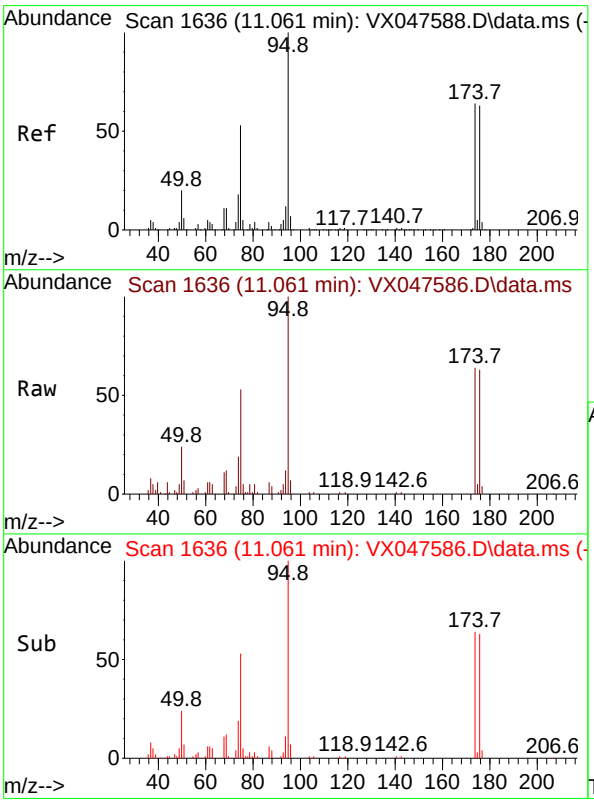
#61
1,2-Dibromoethane
Concen: 5.264 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 13461

Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.3	112.9

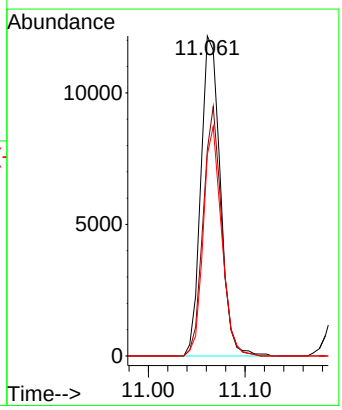


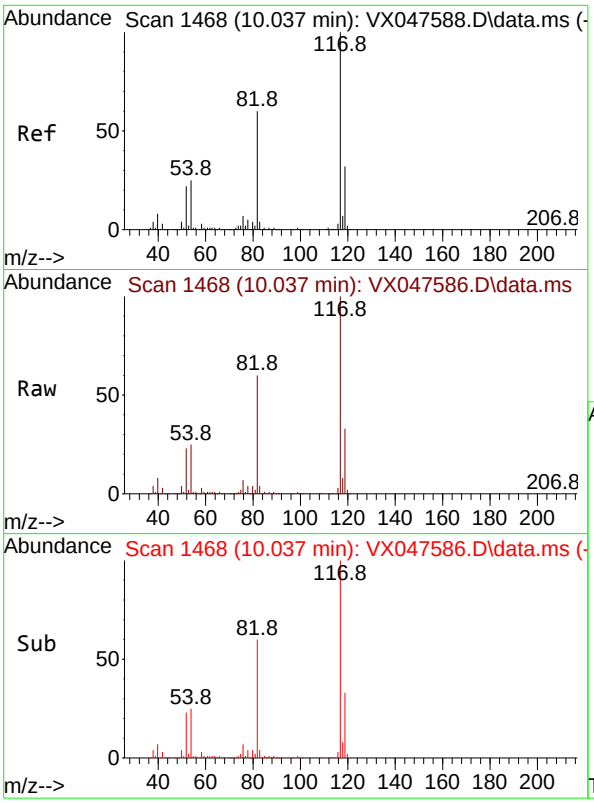


#62
4-Bromofluorobenzene
Concen: 5.429 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 95 Resp: 16974

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	141.6
176	67.9	0.0	138.4



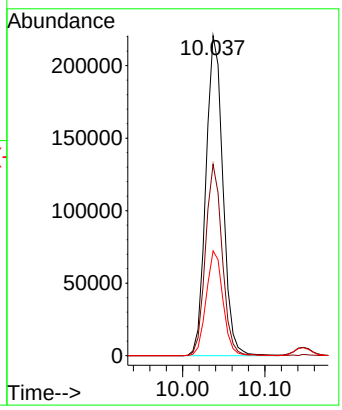


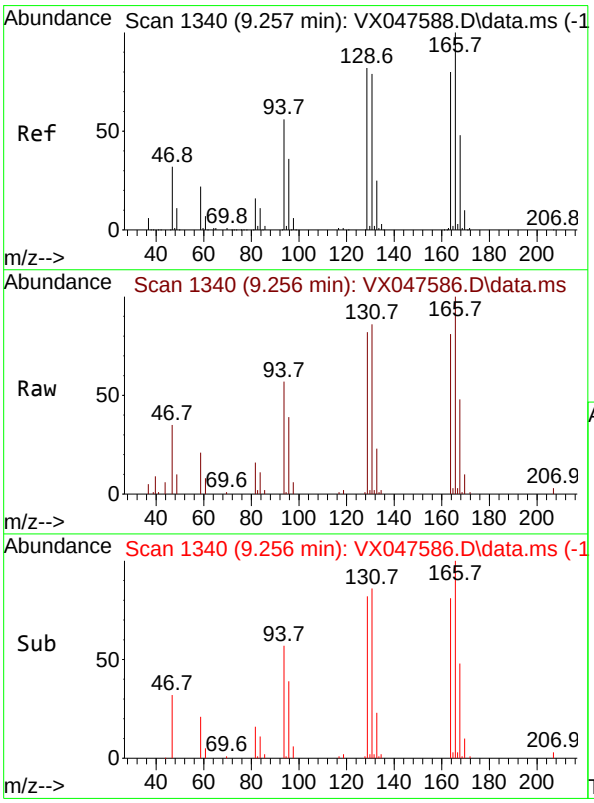
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 317288

Ion	Ratio	Lower	Upper
117	100		
82	59.8	47.8	71.6
119	32.8	25.2	37.8

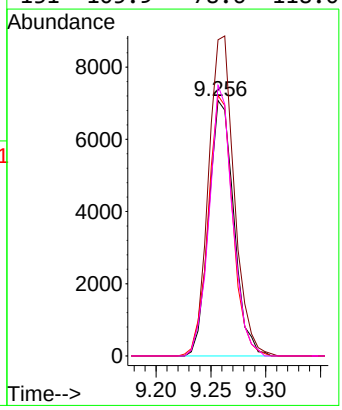


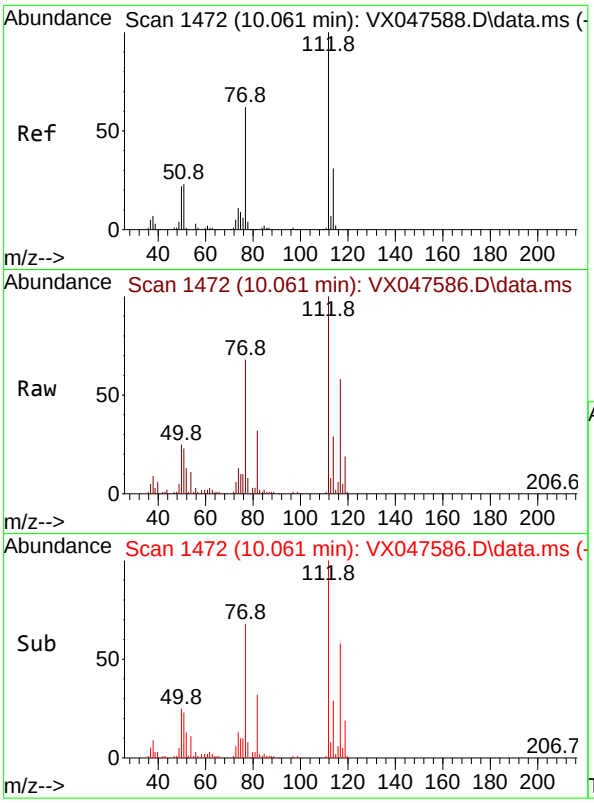


#64
Tetrachloroethene
Concen: 5.428 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:164 Resp: 11228

Ion	Ratio	Lower	Upper
164	100		
166	123.8	100.2	150.2
129	102.0	81.8	122.6
131	105.9	78.6	118.0



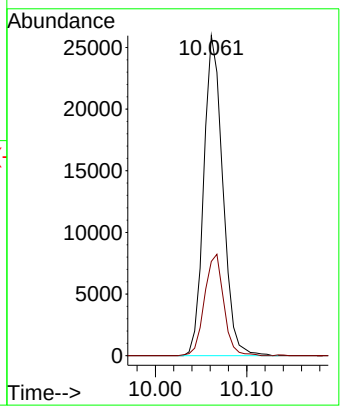


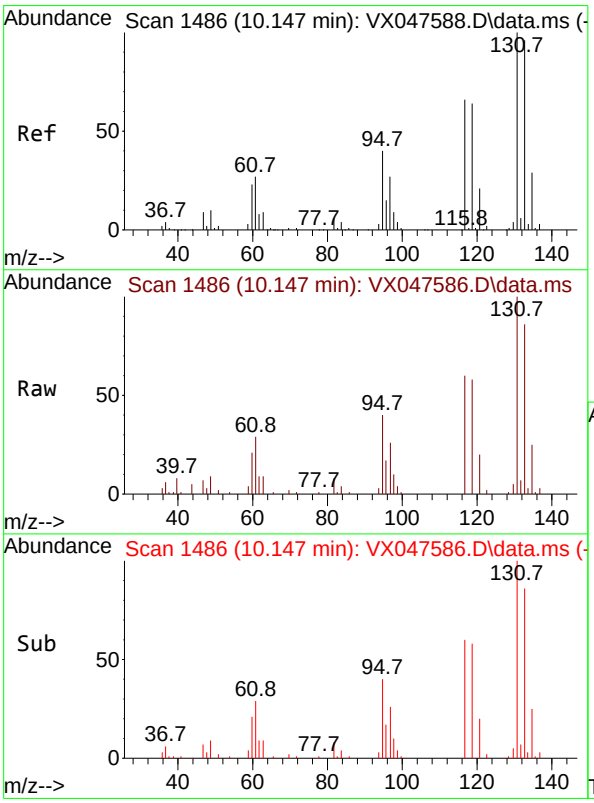
#65
Chlorobenzene
Concen: 5.203 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 37507

Ion	Ratio	Lower	Upper
112	100		
114	29.2	25.1	37.7

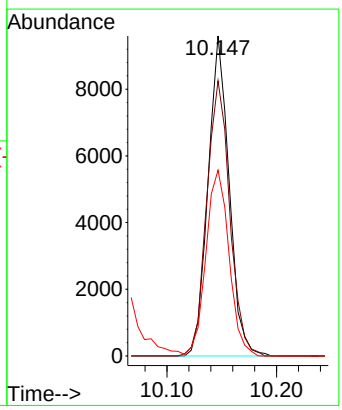


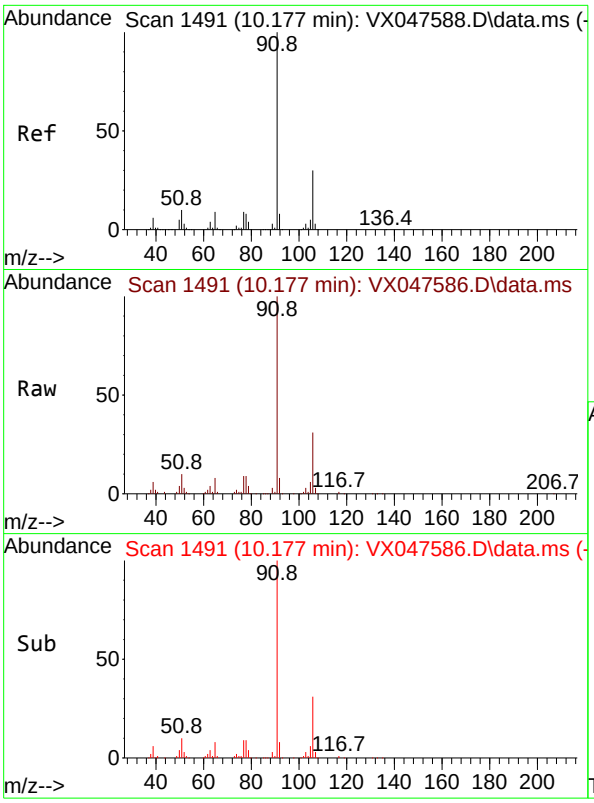


#66
1,1,1,2-Tetrachloroethane
Concen: 5.149 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:131 Resp: 12807

Ion	Ratio	Lower	Upper
131	100		
133	94.0	47.3	142.0
119	63.5	32.0	96.0



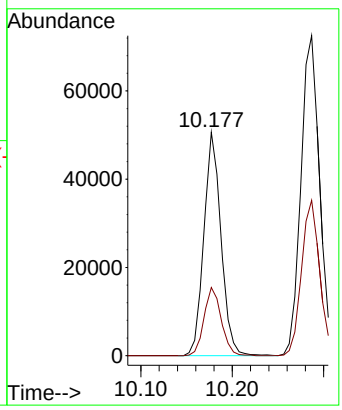


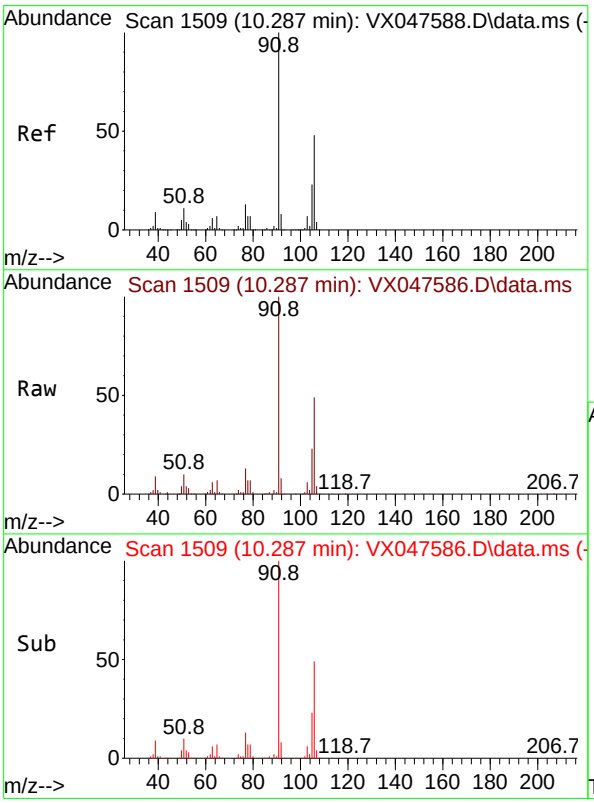
#67
Ethyl Benzene
Concen: 5.299 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 65908

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.3	36.5

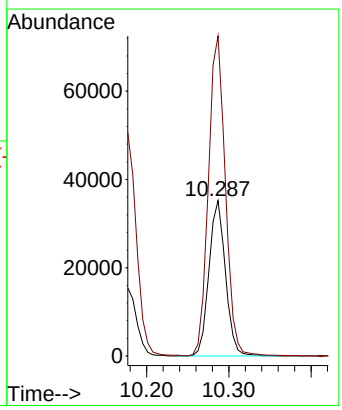


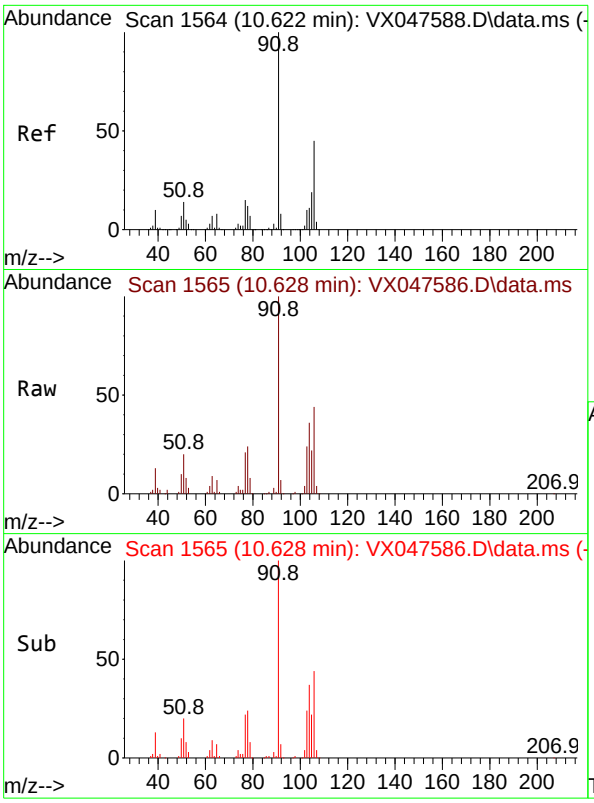


#68
m/p-Xylenes
Concen: 10.613 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:106 Resp: 49132

Ion	Ratio	Lower	Upper
106	100		
91	211.6	167.8	251.8



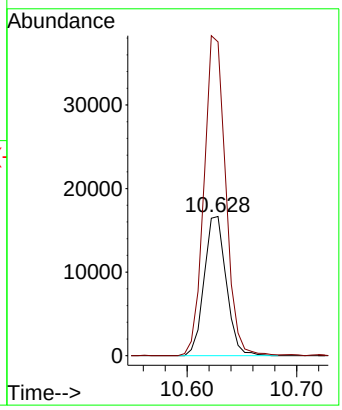


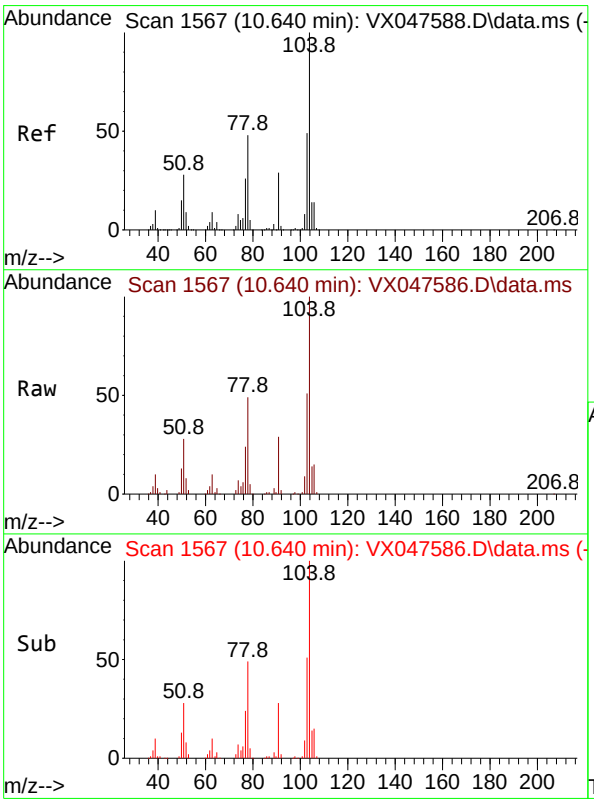
#69
o-Xylene
Concen: 5.204 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 23300

Ion	Ratio	Lower	Upper
106	100		
91	226.3	111.1	333.4

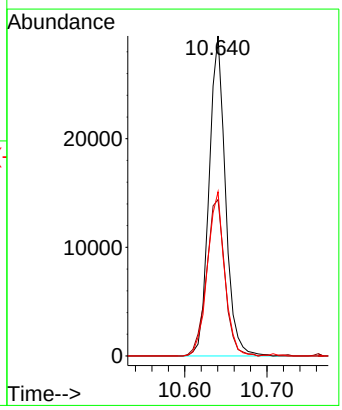


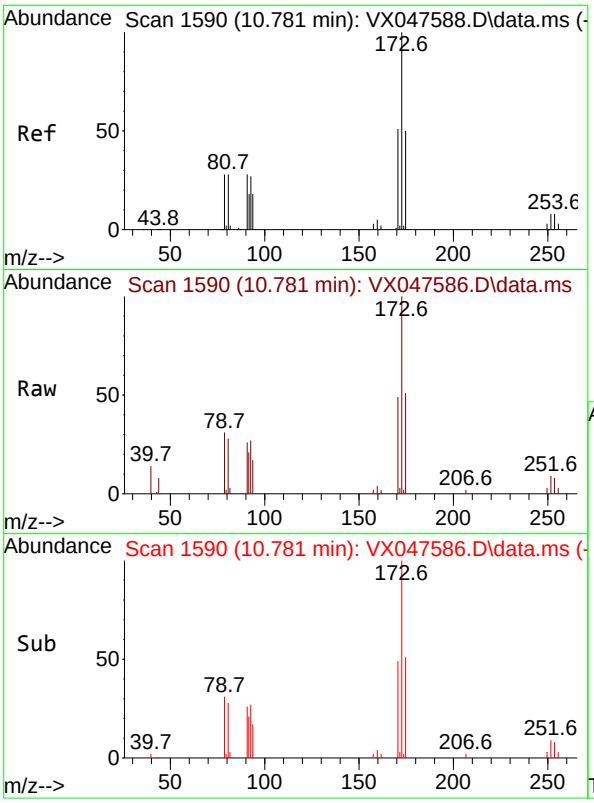


#70
Styrene
Concen: 5.210 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:104 Resp: 40872

Ion	Ratio	Lower	Upper
104	100		
78	54.8	43.1	64.7
103	53.7	43.1	64.7



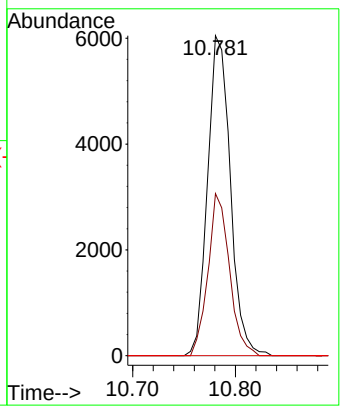


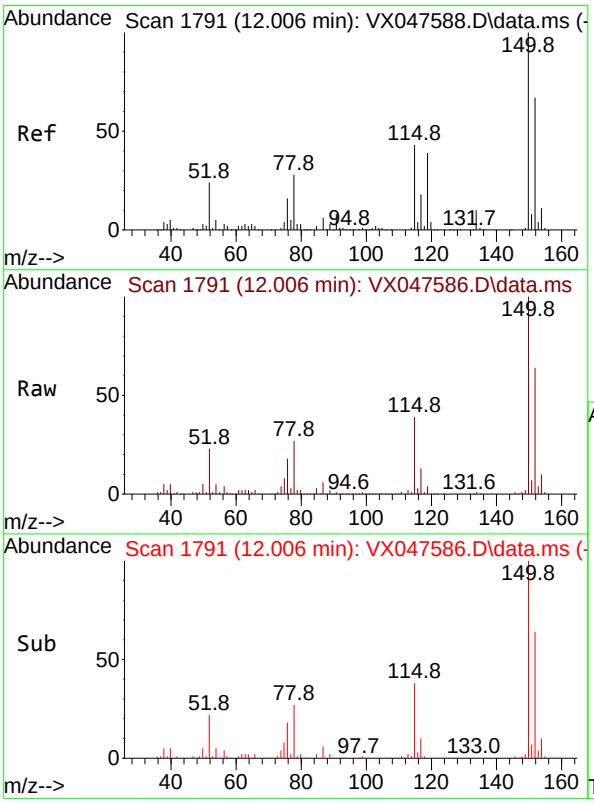
#71
Bromoform
Concen: 5.006 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 9298

Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.9	74.6
254	0.0	0.1	0.1#

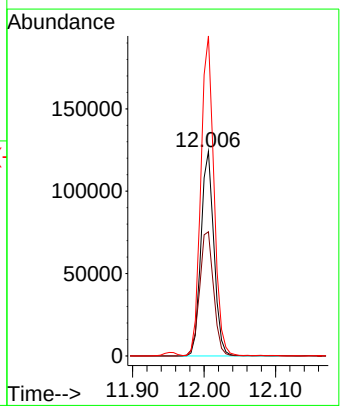


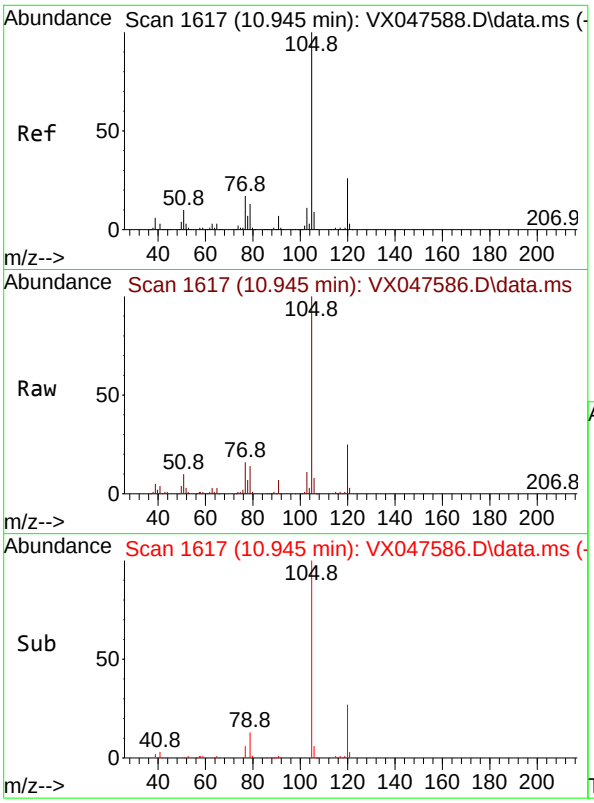


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:152 Resp: 156219

Ion	Ratio	Lower	Upper
152	100		
115	65.6	44.9	134.5
150	157.8	0.0	352.0



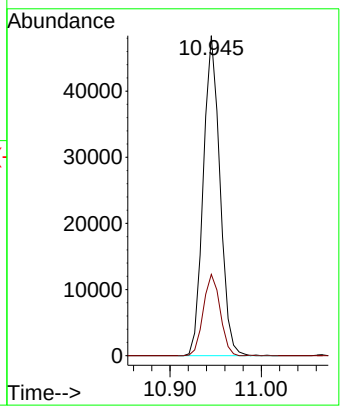


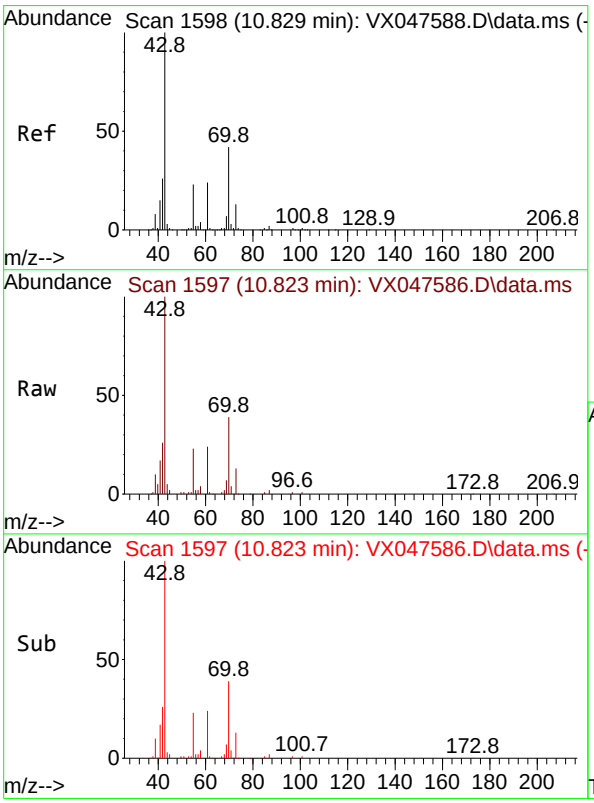
#73
Isopropylbenzene
Concen: 5.139 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 61029

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4

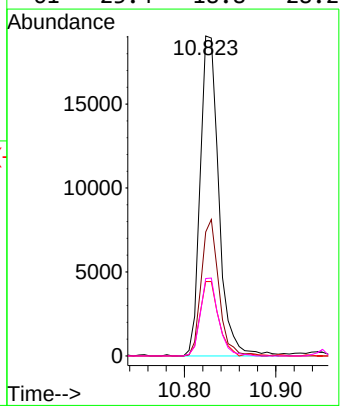


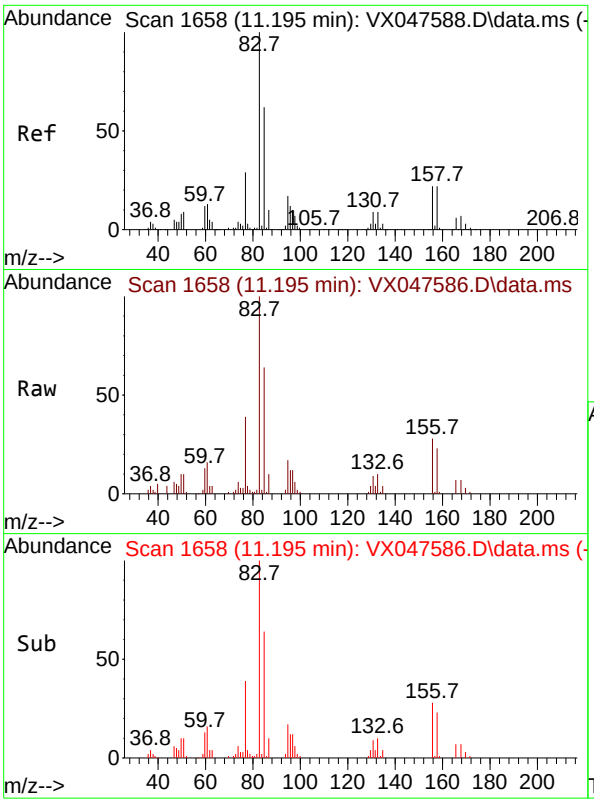


#74
N-amyl acetate
Concen: 4.980 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 26969

Ion	Ratio	Lower	Upper
43	100		
70	39.9	32.0	48.0
55	23.1	18.9	28.3
61	23.4	18.8	28.2



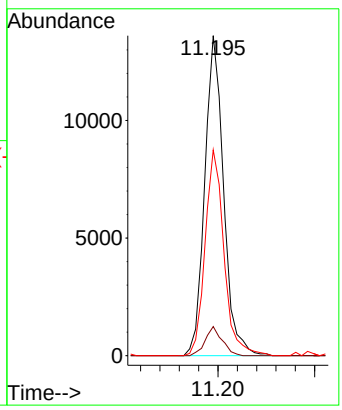


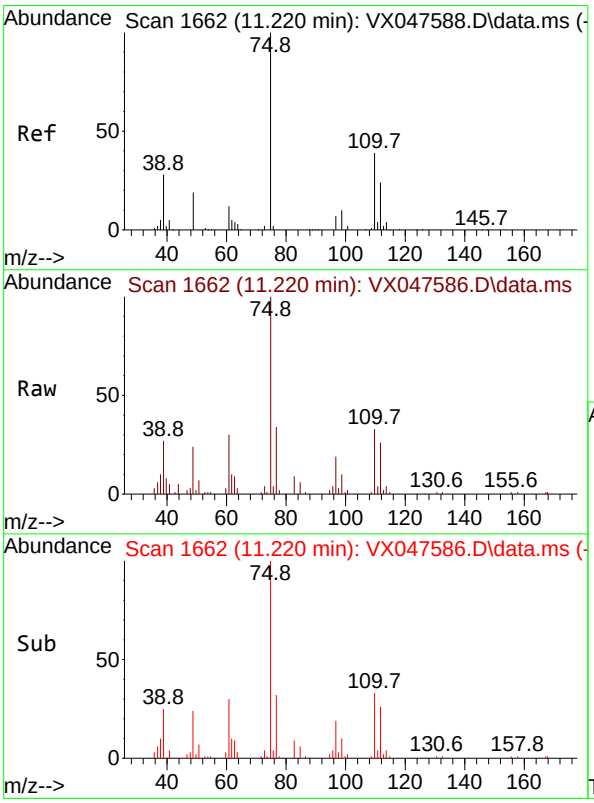
#75
1,1,2,2-Tetrachloroethane
Concen: 5.138 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 18462

Ion	Ratio	Lower	Upper
83	100		
131	8.2	5.0	14.9
85	64.4	31.6	95.0

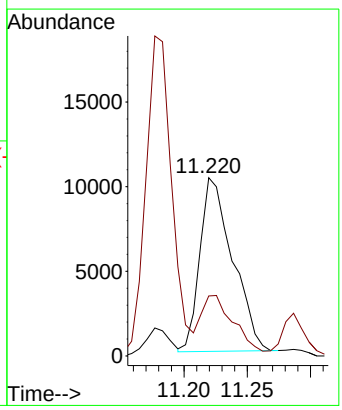


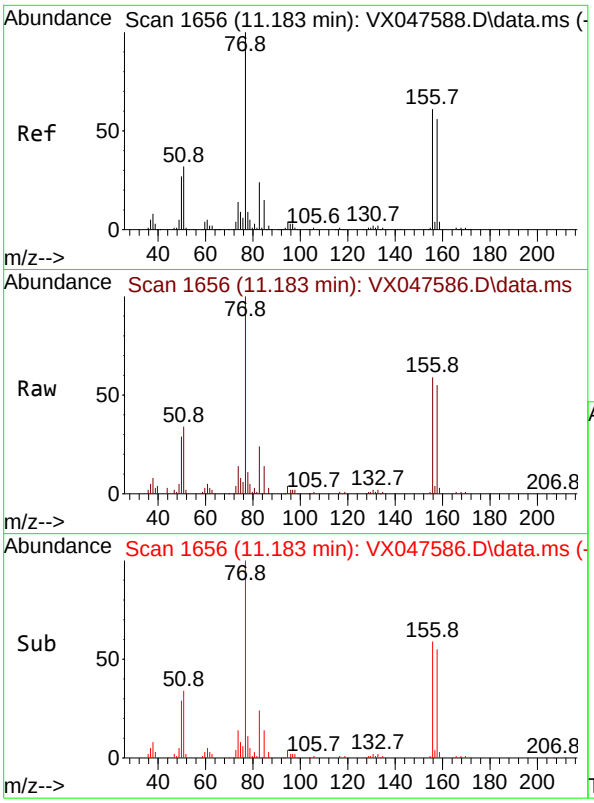


#76
1,2,3-Trichloropropane
Concen: 5.847 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 18494

Ion	Ratio	Lower	Upper
75	100		
77	35.0	18.8	56.4



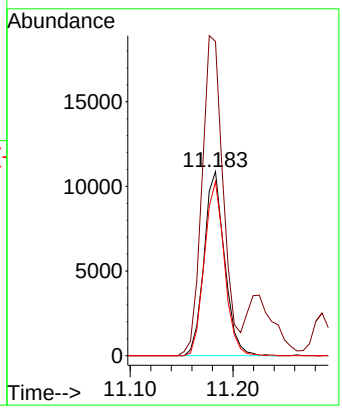


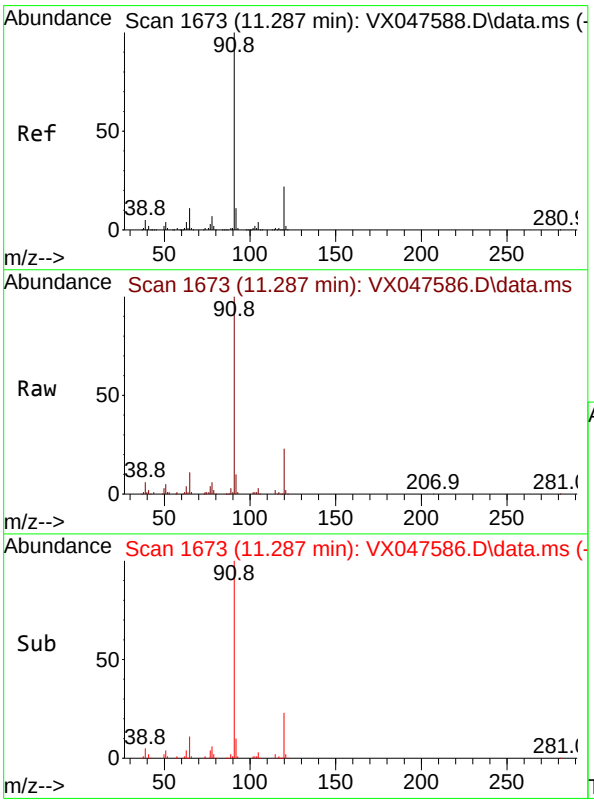
#77
Bromobenzene
Concen: 5.150 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 15066

Ion	Ratio	Lower	Upper
156	100		
77	180.3	89.7	269.1
158	92.6	47.9	143.6

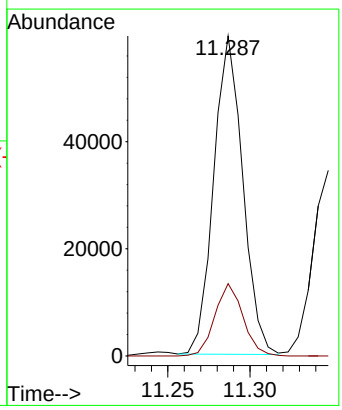


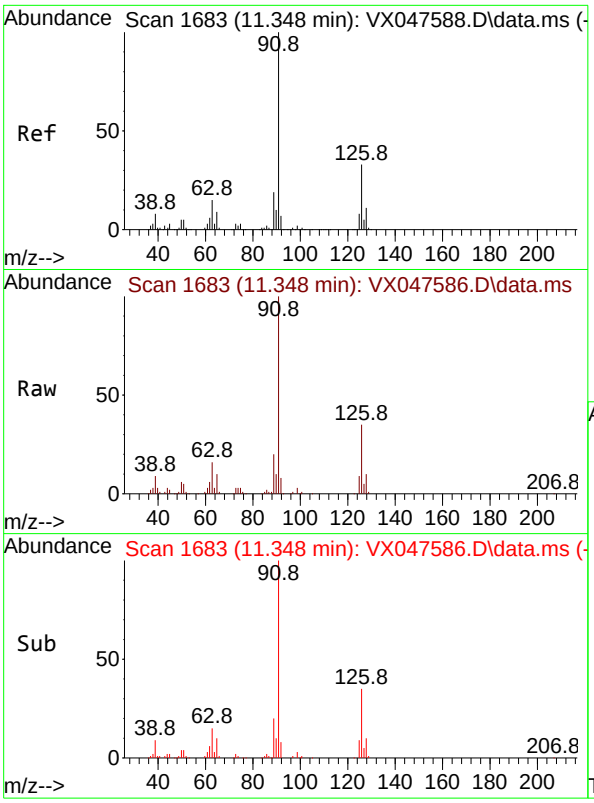


#78
n-propylbenzene
Concen: 5.192 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 72900

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1



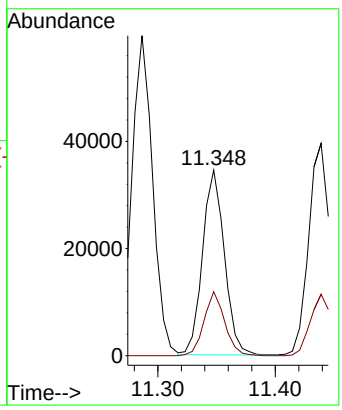


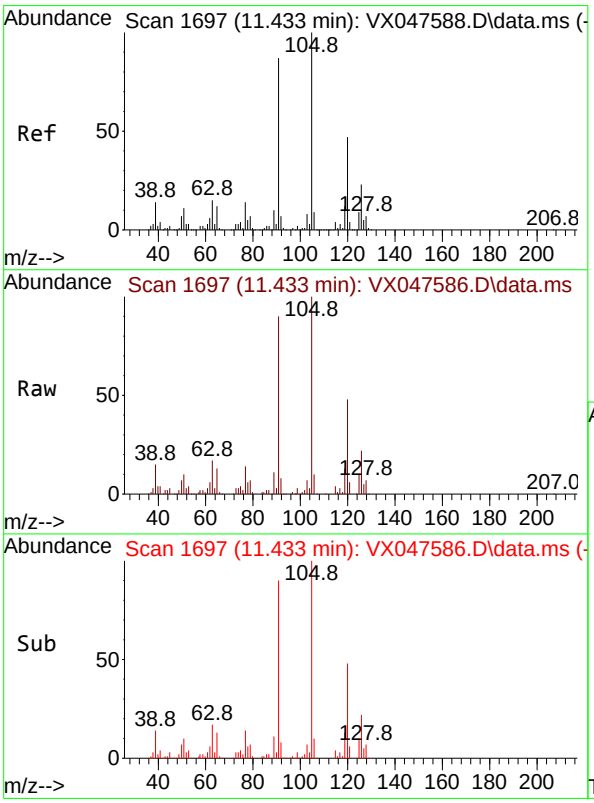
#79
2-Chlorotoluene
Concen: 5.194 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 44663

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3

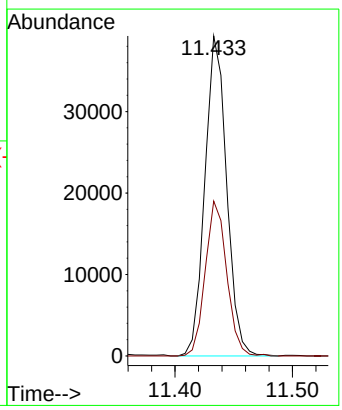


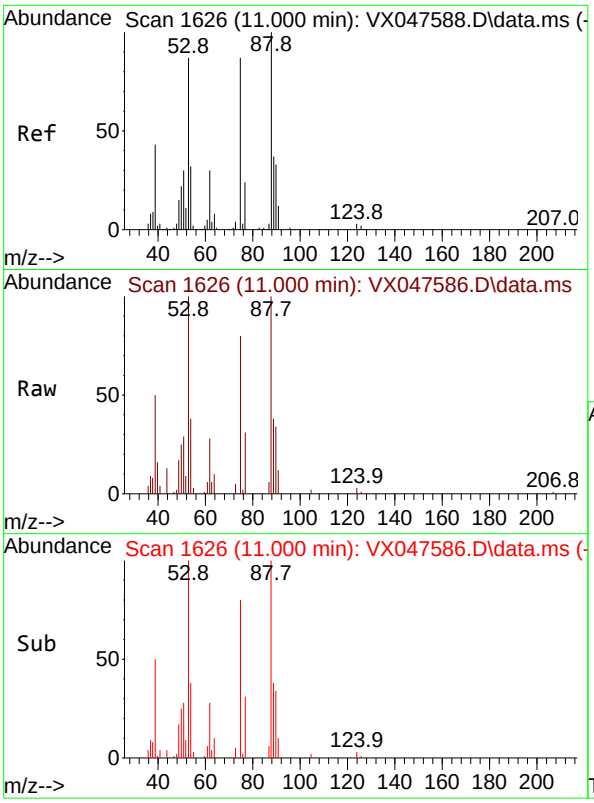


#80
1,3,5-Trimethylbenzene
Concen: 5.179 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 50535

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.6	70.8



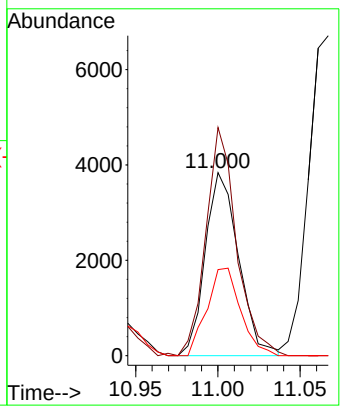


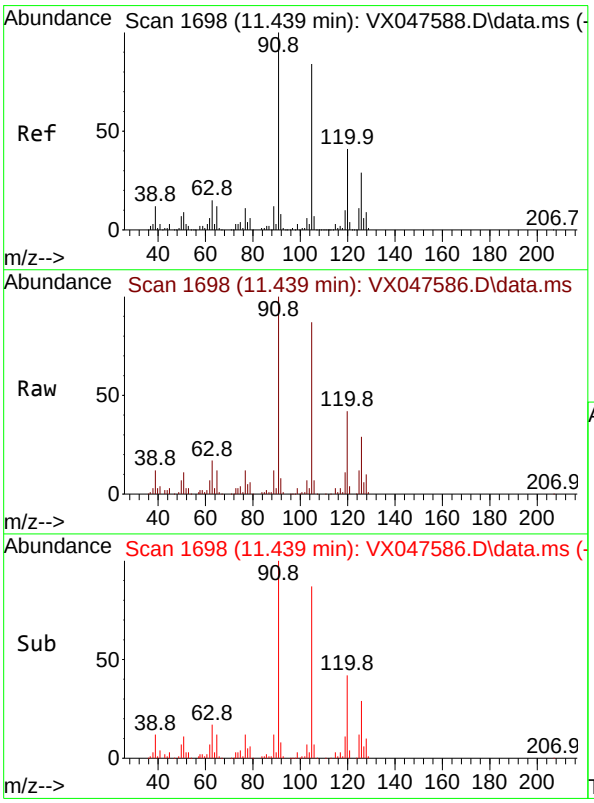
#81
trans-1,4-Dichloro-2-butene
Concen: 4.364 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 5413

Ion	Ratio	Lower	Upper
75	100		
53	114.9	83.4	125.2
89	48.3	36.3	54.5

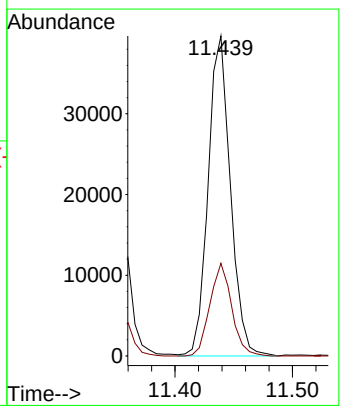


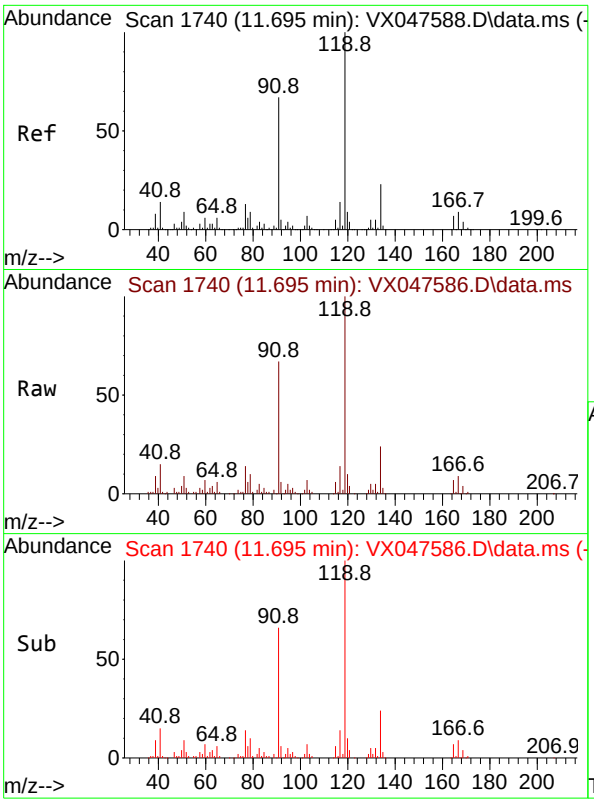


#82
4-Chlorotoluene
Concen: 5.149 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 52294

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.2	42.6



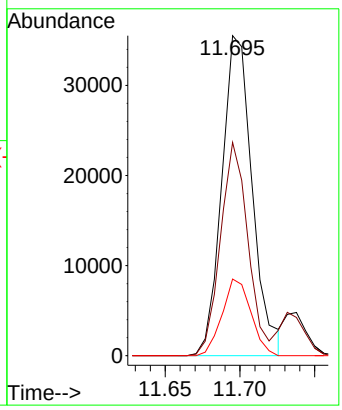


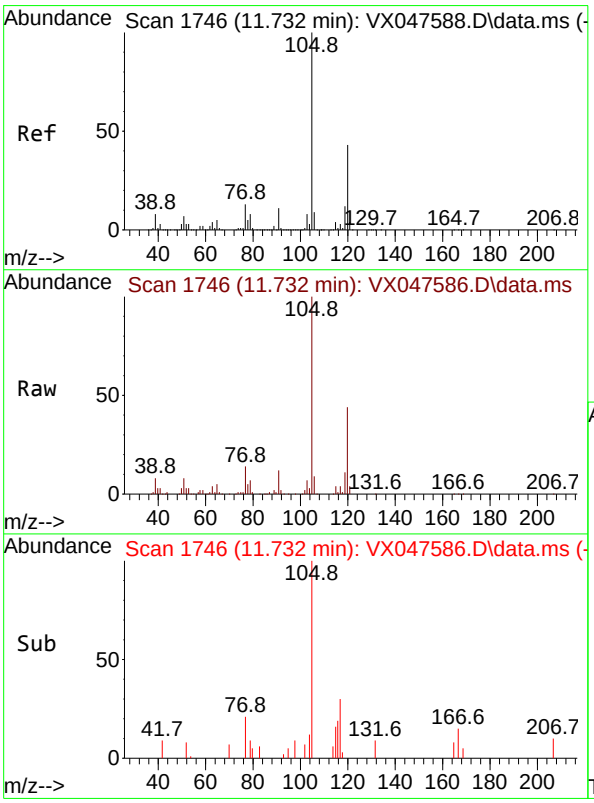
#83
tert-Butylbenzene
Concen: 5.041 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 50350

Ion	Ratio	Lower	Upper
119	100		
91	60.1	29.6	88.8
134	22.7	11.0	33.0

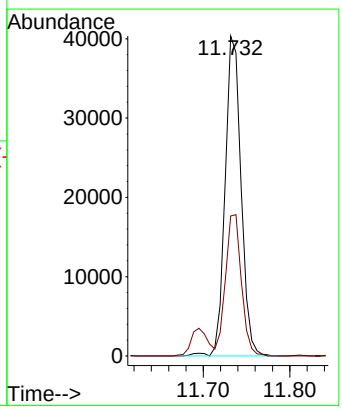


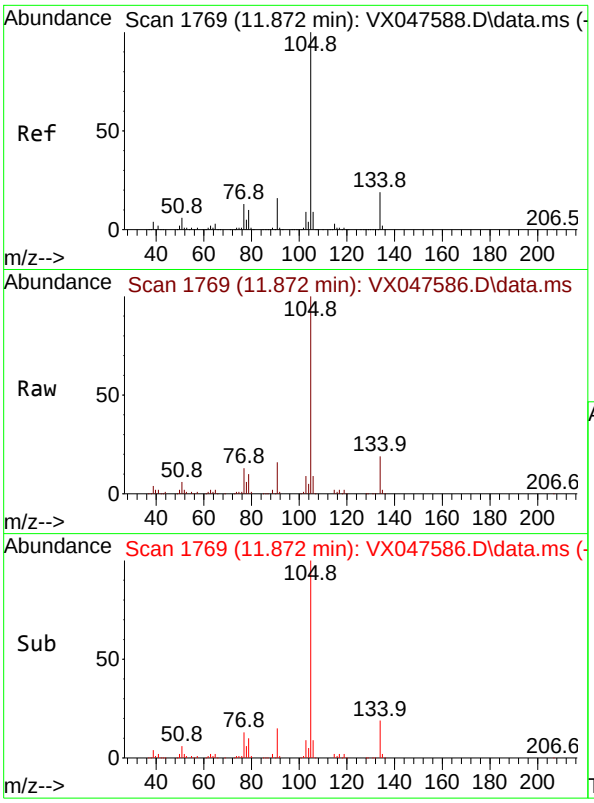


#84
1,2,4-Trimethylbenzene
Concen: 5.214 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 51583

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1



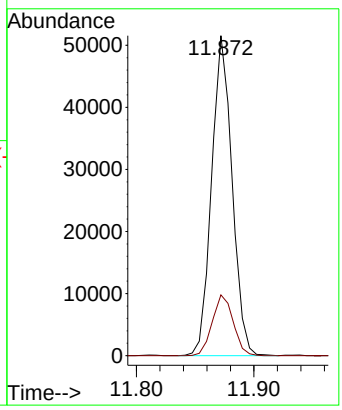


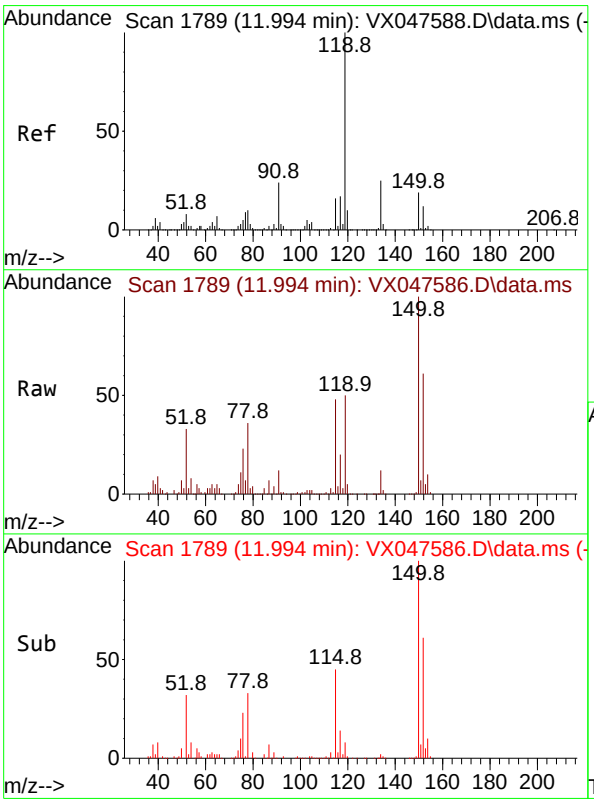
#85
sec-Butylbenzene
Concen: 5.268 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 62507

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5

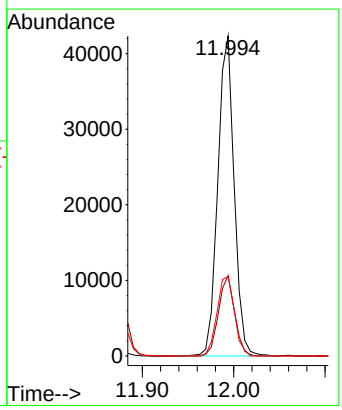


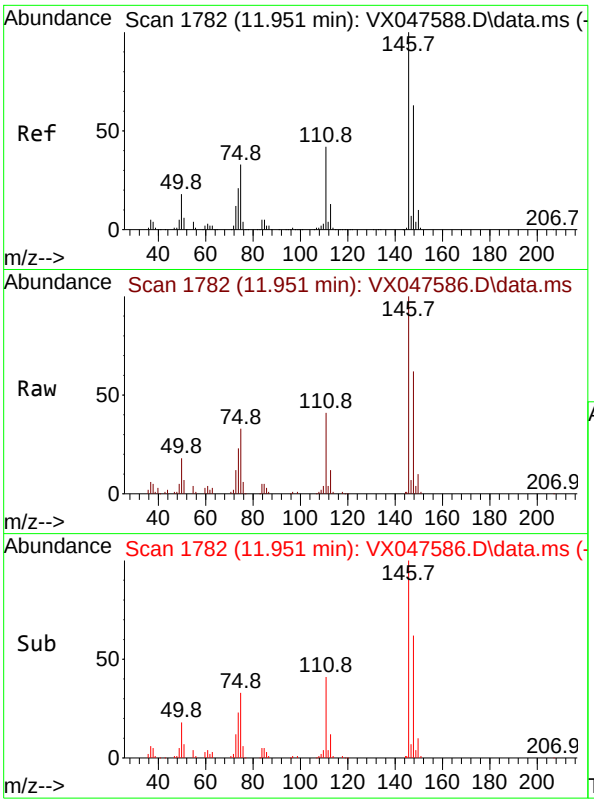


#86
p-Isopropyltoluene
Concen: 5.244 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:119 Resp: 52674

Ion	Ratio	Lower	Upper
119	100		
134	24.7	12.6	37.8
91	26.2	12.6	37.6



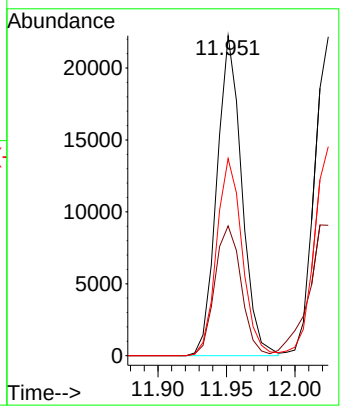


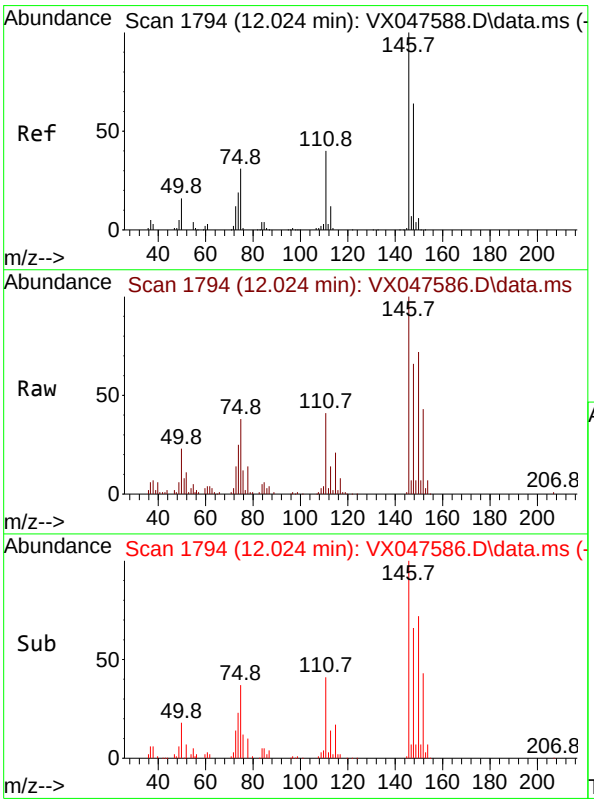
#87
1,3-Dichlorobenzene
Concen: 5.175 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 28116

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.5	64.5
148	63.4	32.0	96.0

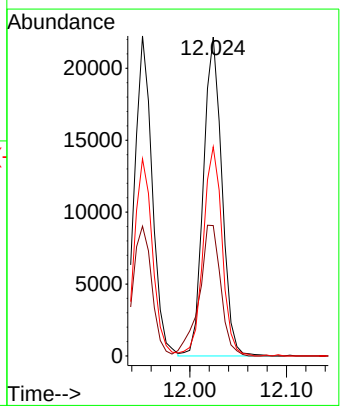


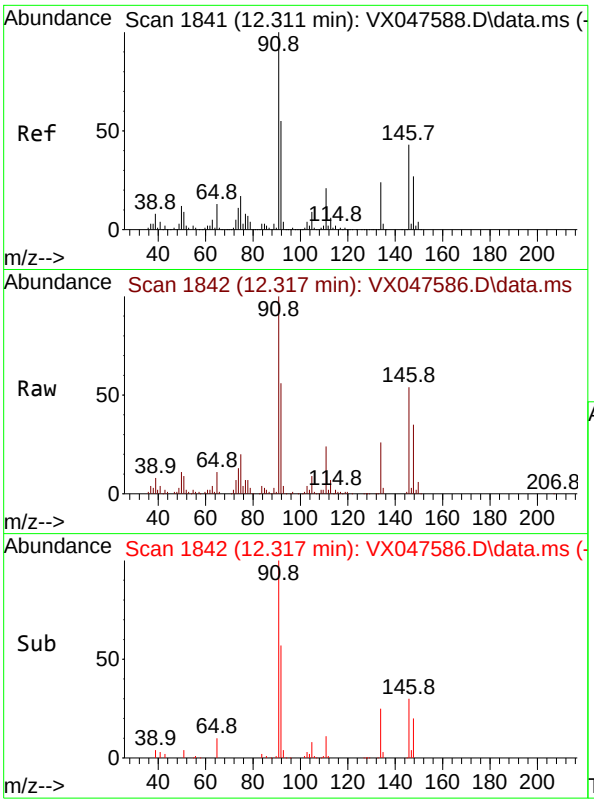


#88
1,4-Dichlorobenzene
Concen: 5.294 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:146 Resp: 29519

Ion	Ratio	Lower	Upper
146	100		
111	47.8	20.8	62.4
148	66.9	31.7	95.1



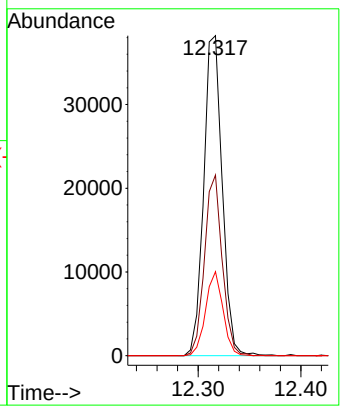


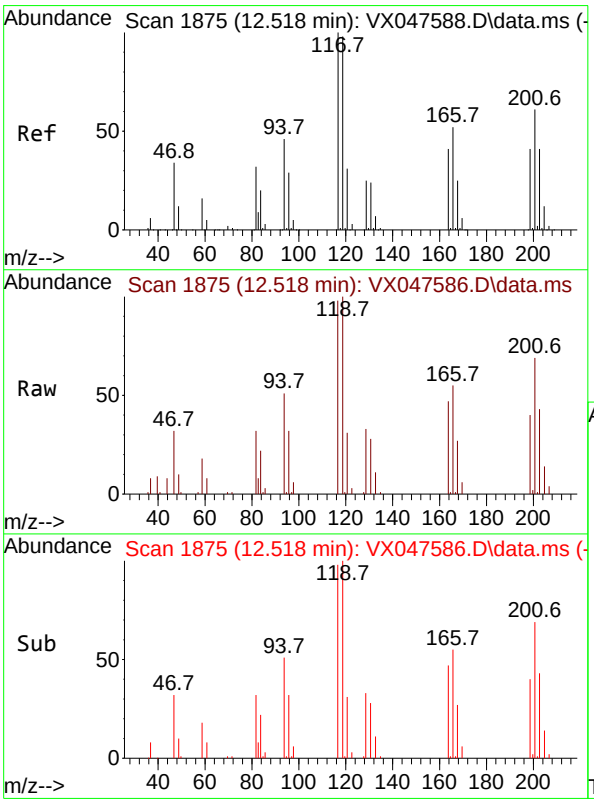
#89
n-Butylbenzene
Concen: 5.159 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 47953

Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.6	82.7
134	24.6	12.6	37.8

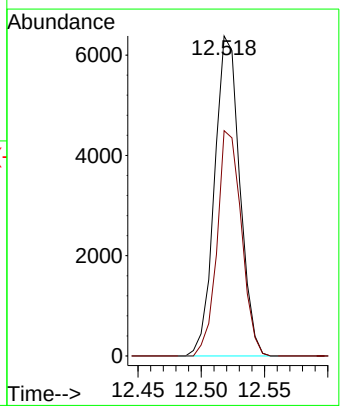


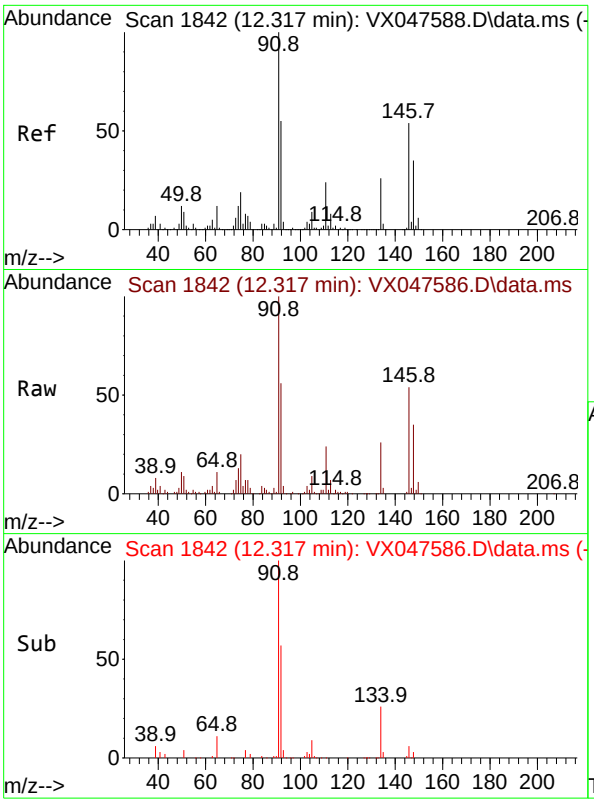


#90
Hexachloroethane
Concen: 5.007 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:117 Resp: 8830

Ion	Ratio	Lower	Upper
117	100		
201	67.9	34.2	102.5



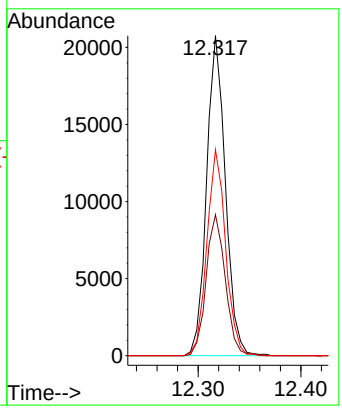


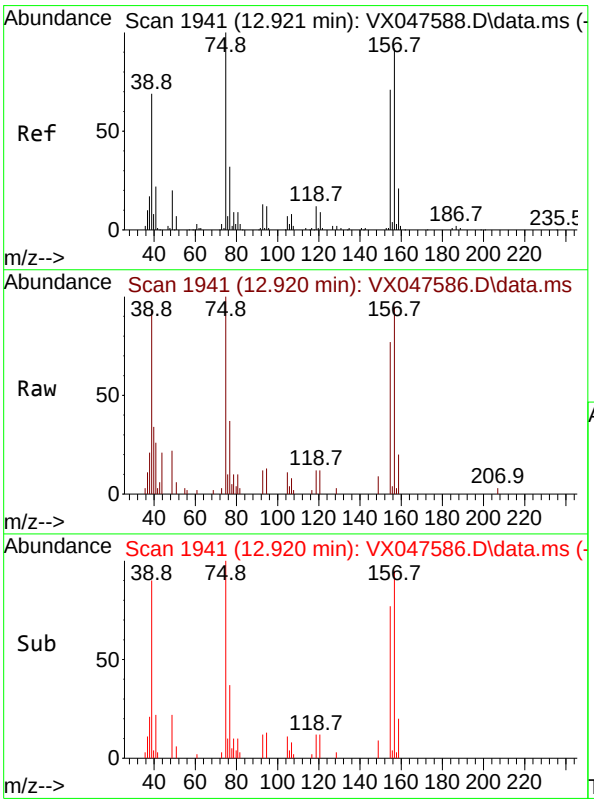
#91
1,2-Dichlorobenzene
Concen: 5.102 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 26409

Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.2	66.6
148	64.2	31.8	95.4

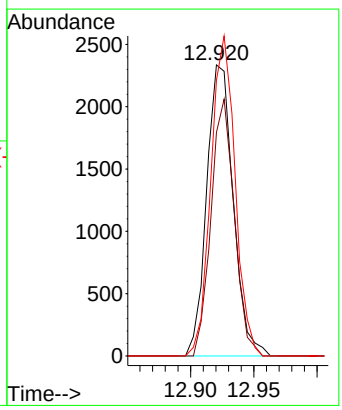


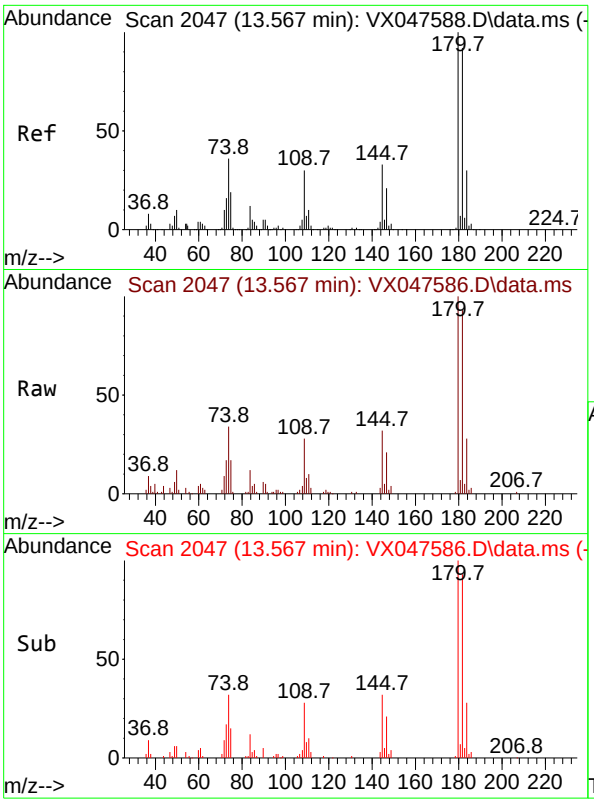


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.690 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 3412

Ion	Ratio	Lower	Upper
75	100		
155	77.4	37.7	113.1
157	100.1	49.8	149.4



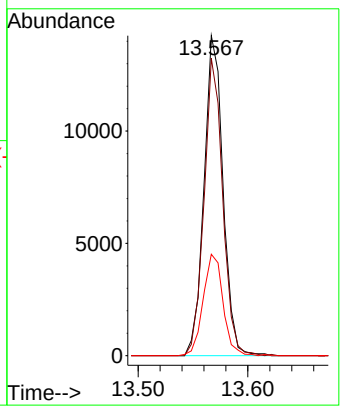


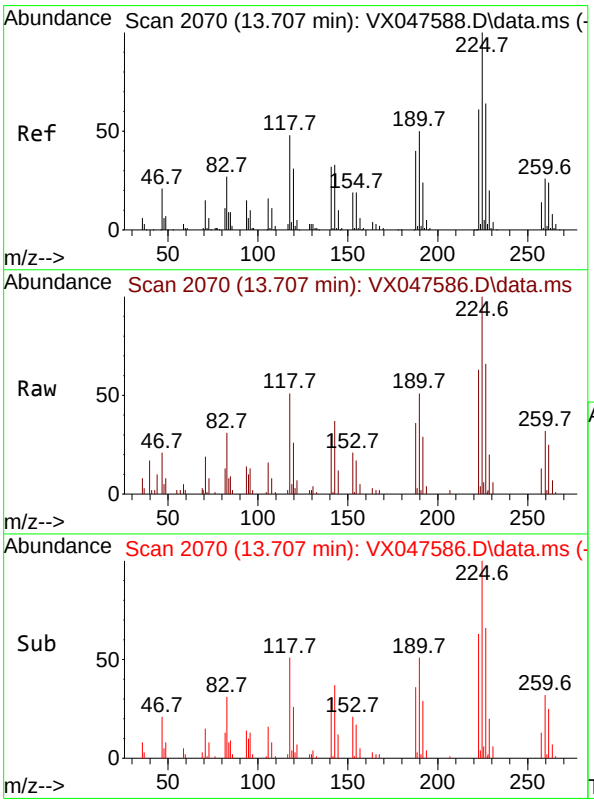
#93
1,2,4-Trichlorobenzene
Concen: 5.103 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 17167

Ion	Ratio	Lower	Upper
180	100		
182	91.2	46.6	139.8
145	33.2	16.4	49.1

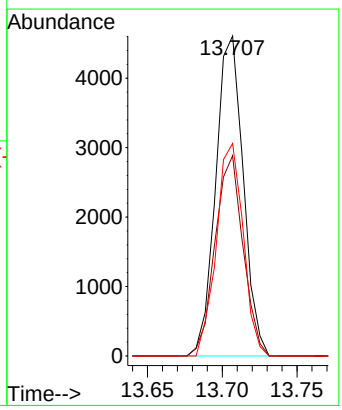


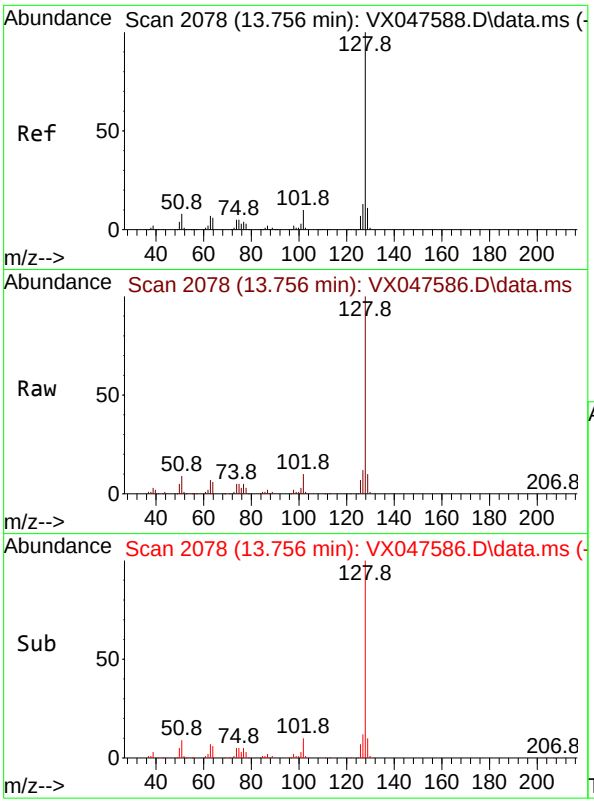


#94
Hexachlorobutadiene
Concen: 5.158 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:225 Resp: 5894

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.7	95.1
227	64.7	32.0	96.0



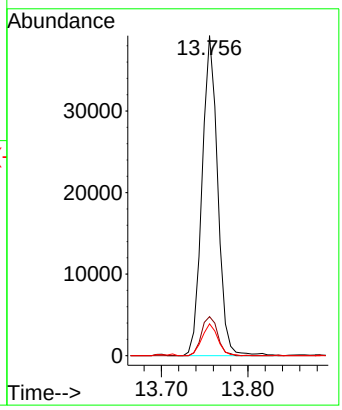


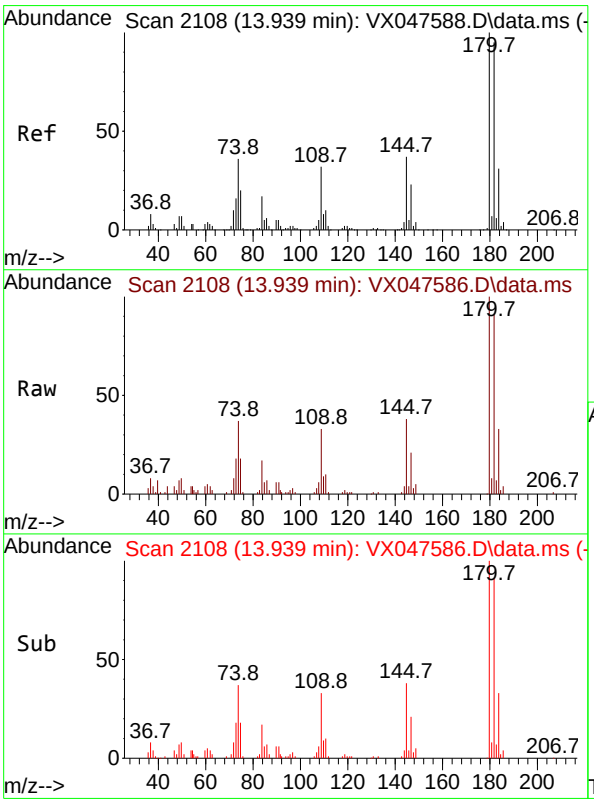
#95
Naphthalene
Concen: 4.808 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 49257

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.1	8.8	13.2

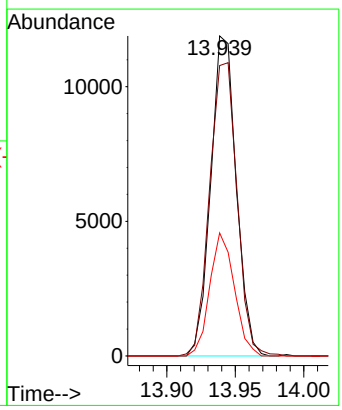




#96
1,2,3-Trichlorobenzene
Concen: 4.921 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:180 Resp: 15400

Ion	Ratio	Lower	Upper
180	100		
182	98.0	47.6	142.8
145	37.1	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Sep 22 01:49:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	189559	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	336287	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	298629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	141590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	49073	16.264	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 32.520%#			
35) Dibromofluoromethane	5.379	113	35788	15.868	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 31.740%#			
50) Toluene-d8	8.634	98	126875	16.258	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 32.520%#			
62) 4-Bromofluorobenzene	11.067	95	48454	16.360	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 32.720%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	44126	22.480	ug/l	100
3) Chloromethane	1.300	50	56023	21.716	ug/l	96
4) Vinyl Chloride	1.386	62	54256	21.485	ug/l	96
5) Bromomethane	1.617	94	34193	21.353	ug/l	100
6) Chloroethane	1.697	64	35551	21.063	ug/l	97
7) Trichlorofluoromethane	1.898	101	78667	20.980	ug/l	100
8) Diethyl Ether	2.136	74	31335	20.429	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	45733	20.859	ug/l	98
10) Methyl Iodide	2.459	142	69935	20.452	ug/l	99
11) Tert butyl alcohol	2.946	59	32456	96.582	ug/l	98
12) 1,1-Dichloroethene	2.325	96	46863	20.808	ug/l	96
13) Acrolein	2.239	56	26159	84.473	ug/l	100
14) Allyl chloride	2.666	41	94710	20.379	ug/l	97
15) Acrylonitrile	3.062	53	130143	104.554	ug/l	99
16) Acetone	2.373	43	151538	115.507	ug/l	100
17) Carbon Disulfide	2.520	76	133296	21.620	ug/l	98
18) Methyl Acetate	2.703	43	54120	18.536	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	168426	20.486	ug/l	98
20) Methylene Chloride	2.788	84	57153	20.581	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	50413	20.791	ug/l	94
22) Diisopropyl ether	3.757	45	188598	20.940	ug/l	96
23) Vinyl Acetate	3.715	43	765675	106.218	ug/l	100
24) 1,1-Dichloroethane	3.605	63	98509	20.578	ug/l	99
25) 2-Butanone	4.538	43	179487	109.679	ug/l	94
26) 2,2-Dichloropropane	4.471	77	81413	20.459	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	60865	20.497	ug/l	98
28) Bromochloromethane	4.891	49	34085	16.309	ug/l	100
29) Tetrahydrofuran	4.995	42	102935	104.560	ug/l	97
30) Chloroform	5.080	83	103586	21.413	ug/l	99
31) Cyclohexane	5.464	56	82770	20.759	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	86500	21.081	ug/l	99
36) 1,1-Dichloropropene	5.684	75	68395	20.754	ug/l	99
37) Ethyl Acetate	4.702	43	74499	21.113	ug/l	96
38) Carbon Tetrachloride	5.665	117	74636	20.844	ug/l	95
39) Methylcyclohexane	7.366	83	79499	21.251	ug/l	98
40) Benzene	6.025	78	210711	21.051	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Sep 22 01:49:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	38525	21.148	ug/l		99
42) 1,2-Dichloroethane	6.074	62	80646	21.175	ug/l		99
43) Isopropyl Acetate	6.324	43	119623	20.670	ug/l		100
44) Trichloroethene	7.110	130	51369	21.228	ug/l		97
45) 1,2-Dichloropropane	7.415	63	53046	20.697	ug/l		97
46) Dibromomethane	7.568	93	38910	20.862	ug/l		99
47) Bromodichloromethane	7.805	83	80831	21.002	ug/l		98
48) Methyl methacrylate	7.677	41	60182	20.877	ug/l		98
49) 1,4-Dioxane	7.647	88	12047	413.530	ug/l		95
51) 4-Methyl-2-Pentanone	8.561	43	338370	105.456	ug/l		100
52) Toluene	8.708	92	129193	20.950	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	80972	20.625	ug/l		100
54) cis-1,3-Dichloropropene	8.354	75	86648	20.650	ug/l		99
55) 1,1,2-Trichloroethane	9.140	97	49857	20.967	ug/l		98
56) Ethyl methacrylate	9.104	69	79011	21.158	ug/l		99
57) 1,3-Dichloropropane	9.293	76	85511	20.934	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	141395	86.617	ug/l		100
59) 2-Hexanone	9.415	43	250007	108.488	ug/l		99
60) Dibromochloromethane	9.506	129	57994	21.167	ug/l		99
61) 1,2-Dibromoethane	9.598	107	51614	21.310	ug/l		99
64) Tetrachloroethene	9.262	164	40840	20.979	ug/l		95
65) Chlorobenzene	10.061	112	140642	20.731	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.146	131	48022	20.513	ug/l		99
67) Ethyl Benzene	10.177	91	244737	20.907	ug/l		98
68) m/p-Xylenes	10.287	106	182778	41.951	ug/l		100
69) o-Xylene	10.628	106	87651	20.799	ug/l		98
70) Styrene	10.640	104	154077	20.866	ug/l		99
71) Bromoform	10.780	173	35922	20.550	ug/l	#	98
73) Isopropylbenzene	10.945	105	225730	20.970	ug/l		99
74) N-amyl acetate	10.829	43	104823	21.354	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	68132	20.920	ug/l		99
76) 1,2,3-Trichloropropane	11.225	75	76996	26.858	ug/l		89
77) Bromobenzene	11.183	156	56161	21.183	ug/l		99
78) n-propylbenzene	11.286	91	268399	21.092	ug/l		100
79) 2-Chlorotoluene	11.347	91	166237	21.329	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	187513	21.202	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	21553	19.173	ug/l		96
82) 4-Chlorotoluene	11.439	91	193122	20.980	ug/l		100
83) tert-Butylbenzene	11.695	119	189484	20.929	ug/l		100
84) 1,2,4-Trimethylbenzene	11.738	105	191477	21.355	ug/l		98
85) sec-Butylbenzene	11.872	105	223434	20.777	ug/l		100
86) p-Isopropyltoluene	11.994	119	190931	20.972	ug/l		98
87) 1,3-Dichlorobenzene	11.951	146	103584	21.035	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	105819	20.937	ug/l		99
89) n-Butylbenzene	12.317	91	176373	20.937	ug/l		99
90) Hexachloroethane	12.518	117	32526	20.349	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	99493	21.207	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	13729	20.821	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	62722	20.571	ug/l		96
94) Hexachlorobutadiene	13.707	225	20456	19.751	ug/l		98
95) Naphthalene	13.756	128	193134	20.801	ug/l		99
96) 1,2,3-Trichlorobenzene	13.938	180	58409	20.593	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Sep 22 01:49:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

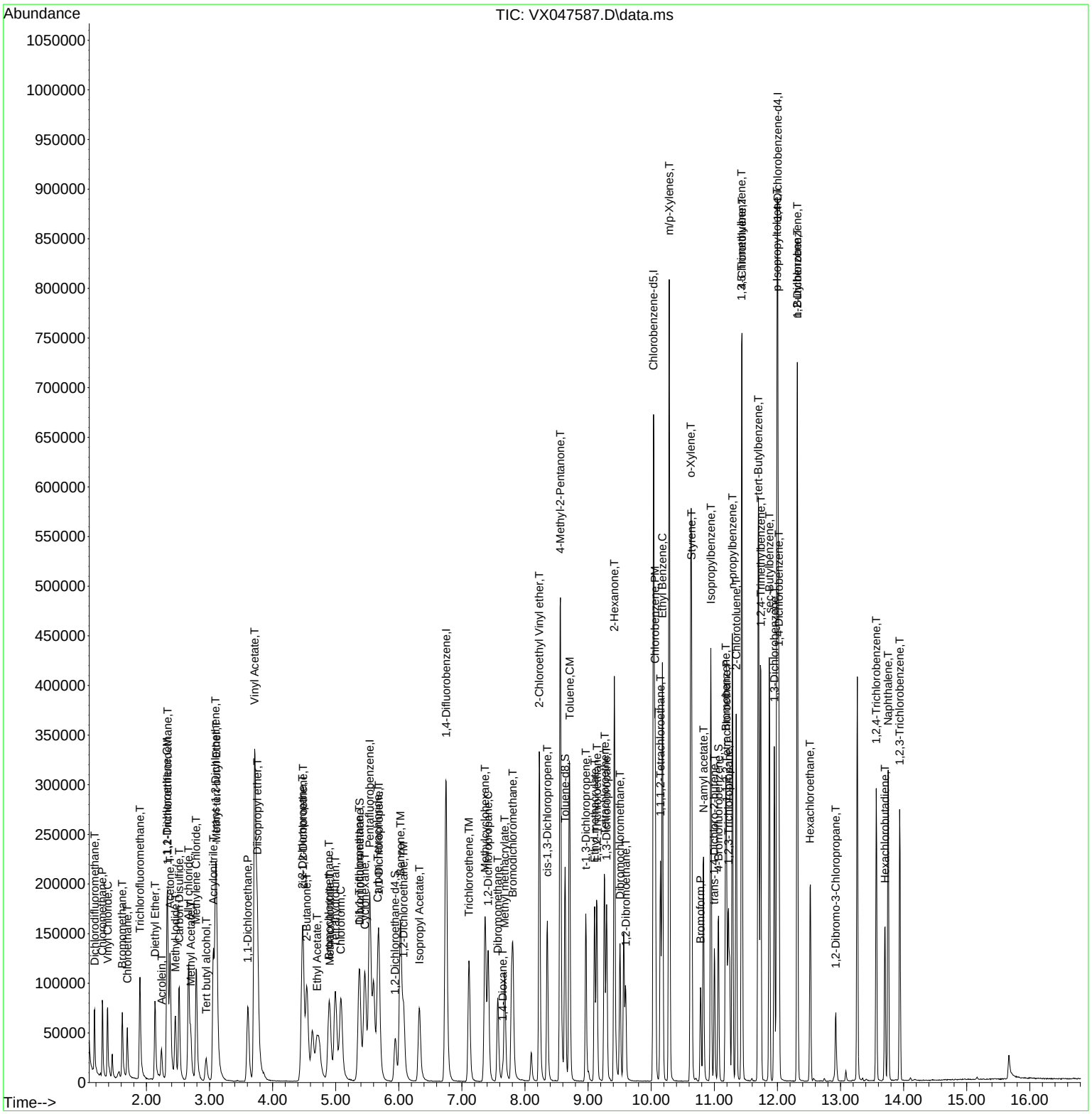
(#) = qualifier out of range (m) = manual integration (+) = signals summed

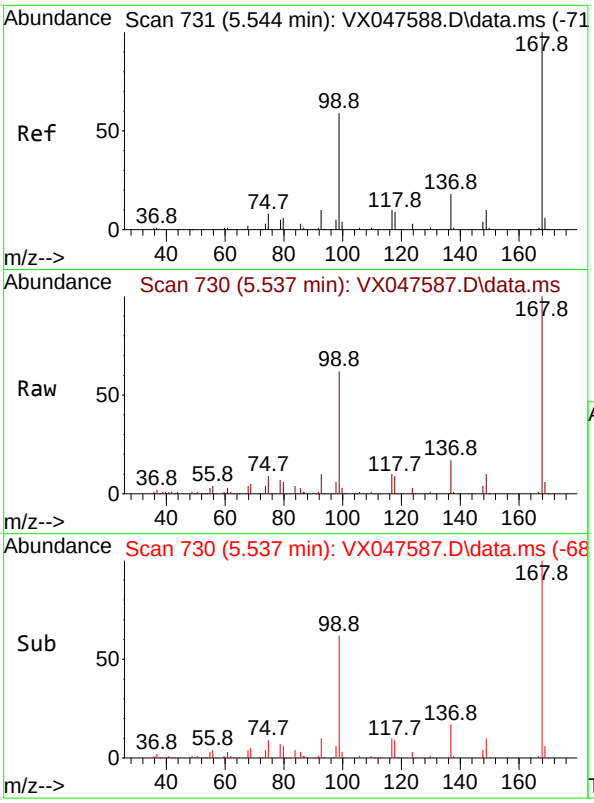
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Sep 22 01:49:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



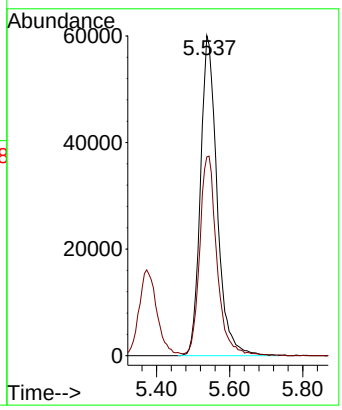


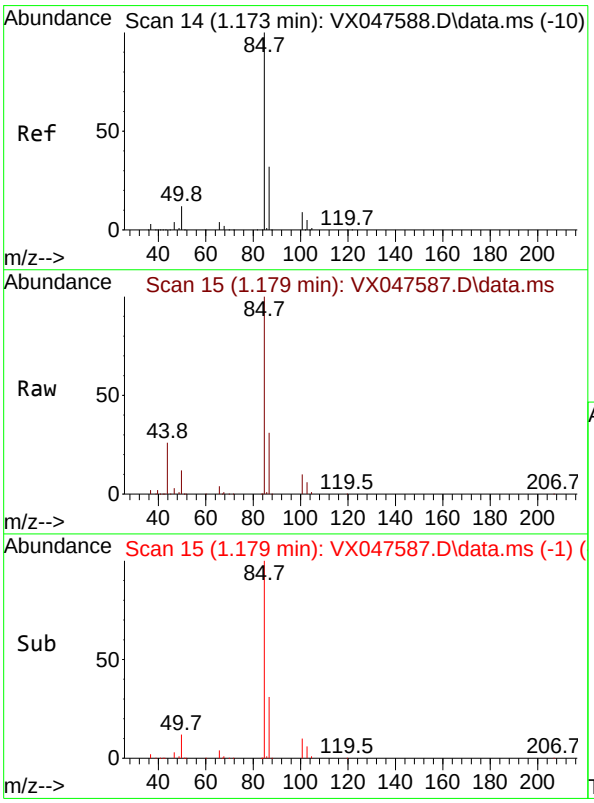
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 189559

Ion	Ratio	Lower	Upper
168	100		
99	61.9	48.8	73.2

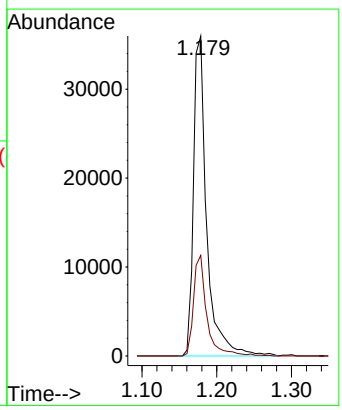


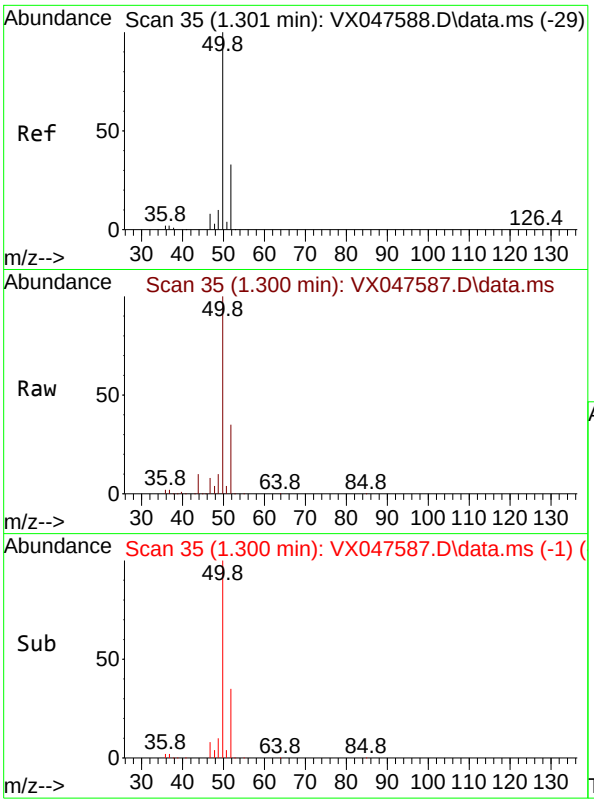


#2
Dichlorodifluoromethane
Concen: 22.480 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 85 Resp: 44126

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.8	47.3



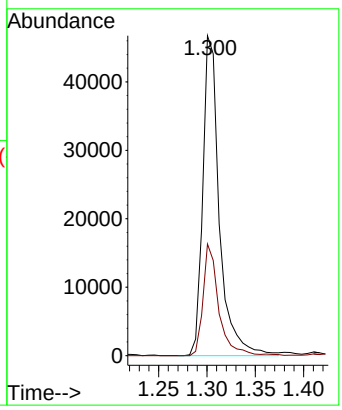


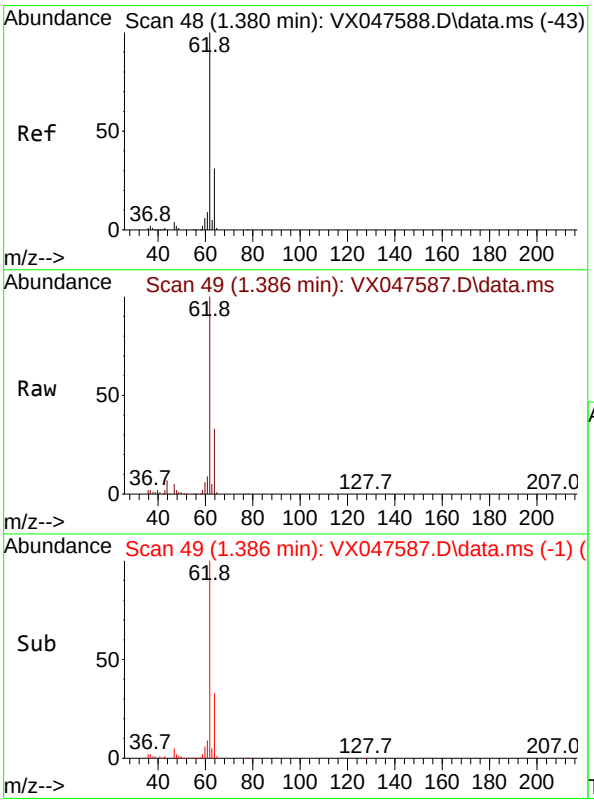
#3
Chloromethane
Concen: 21.716 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 56023

Ion	Ratio	Lower	Upper
50	100		
52	34.9	26.1	39.1

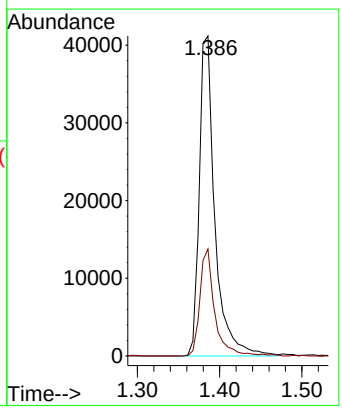


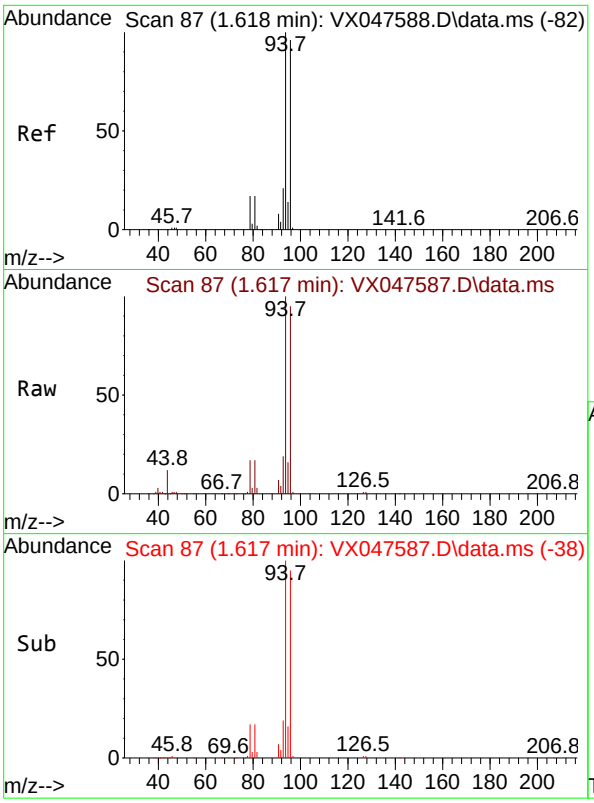


#4
Vinyl Chloride
Concen: 21.485 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 62 Resp: 54256

Ion	Ratio	Lower	Upper
62	100		
64	33.4	24.9	37.3



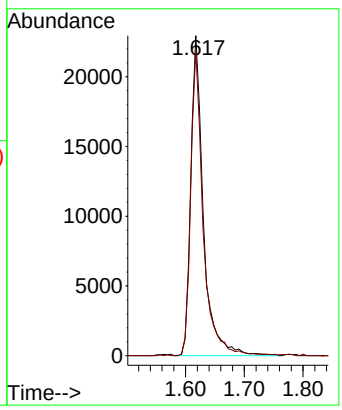


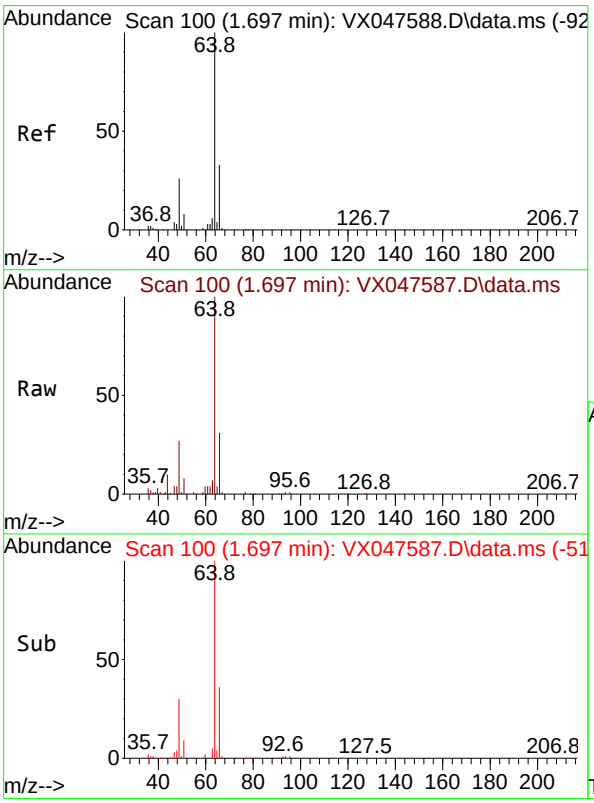
#5
Bromomethane
Concen: 21.353 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 34193

Ion	Ratio	Lower	Upper
94	100		
96	95.3	76.6	115.0

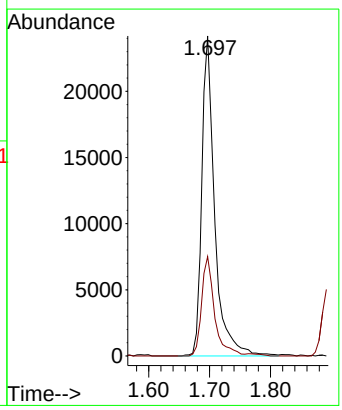


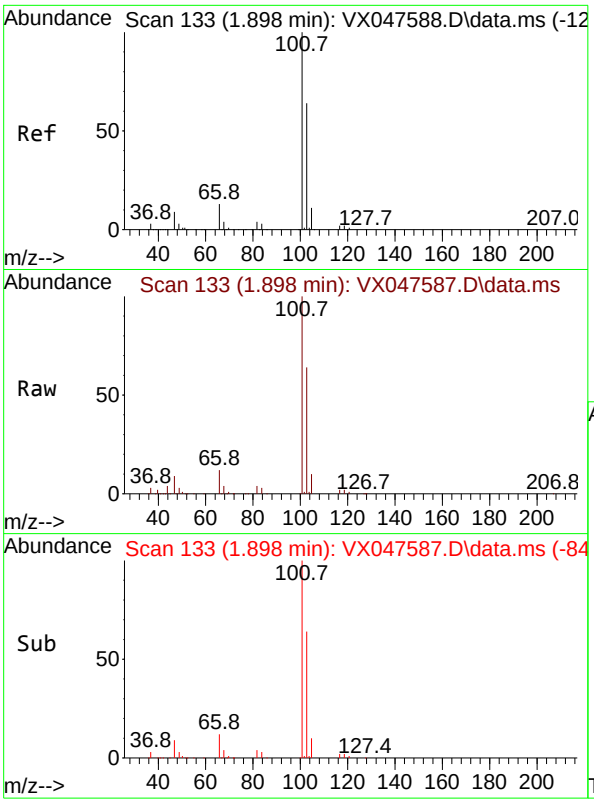


#6
Chloroethane
Concen: 21.063 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 64 Resp: 35551

Ion	Ratio	Lower	Upper
64	100		
66	31.0	26.1	39.1



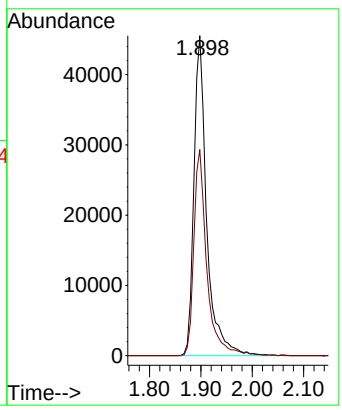


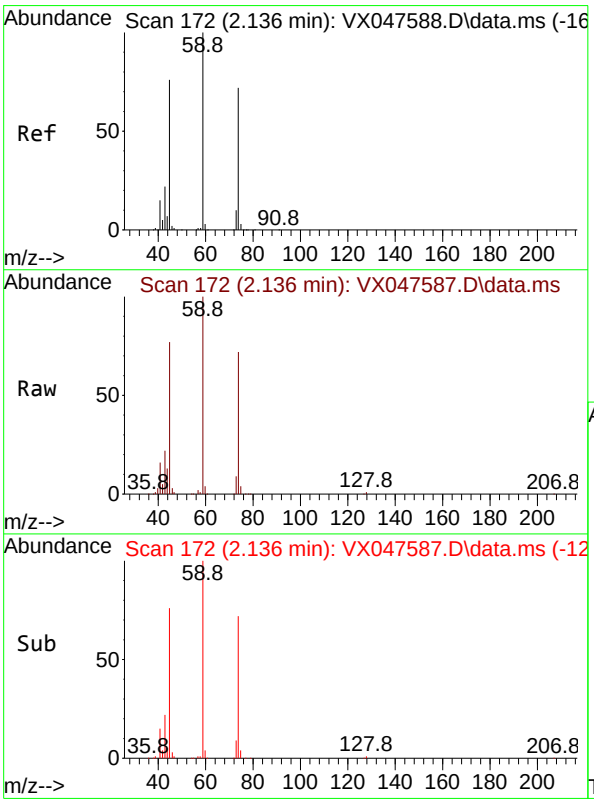
#7
Trichlorofluoromethane
Concen: 20.980 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 78667

Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.4	77.2

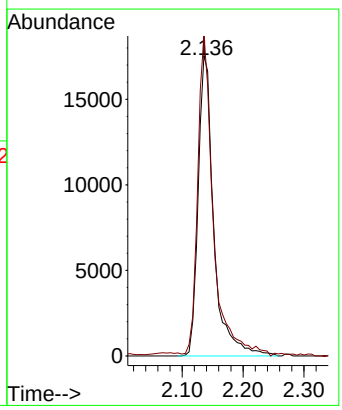


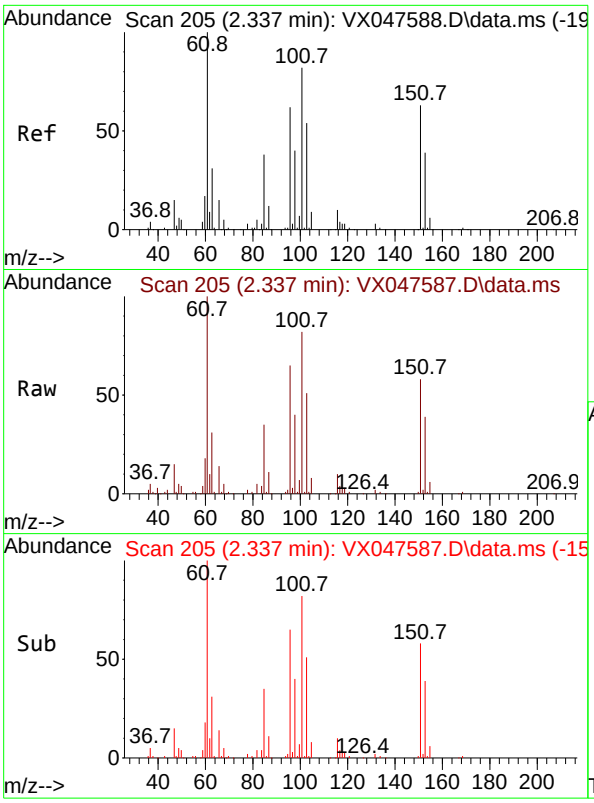


#8
Diethyl Ether
Concen: 20.429 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 74 Resp: 31335

Ion	Ratio	Lower	Upper
74	100		
45	107.0	52.3	156.8



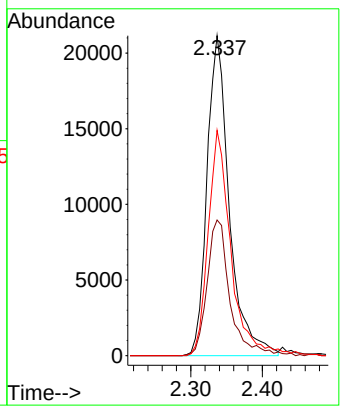


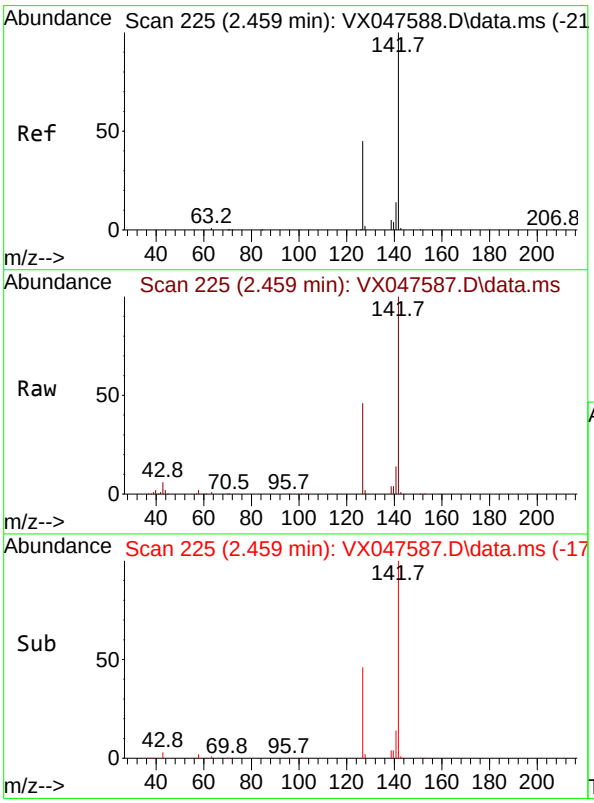
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.859 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 45733

Ion	Ratio	Lower	Upper
101	100		
85	43.6	35.5	53.3
151	72.1	59.4	89.0

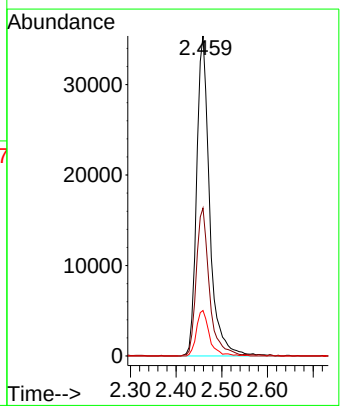


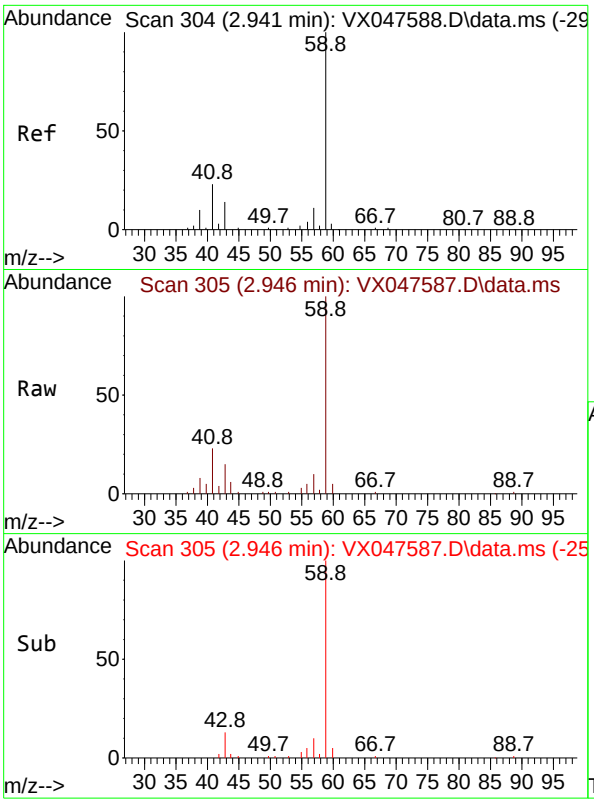


#10
Methyl Iodide
Concen: 20.452 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:142 Resp: 69935

Ion	Ratio	Lower	Upper
142	100		
127	46.9	37.2	55.8
141	14.3	11.4	17.0



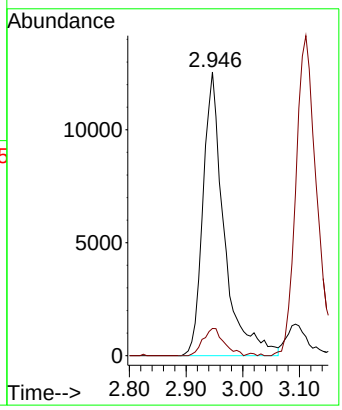


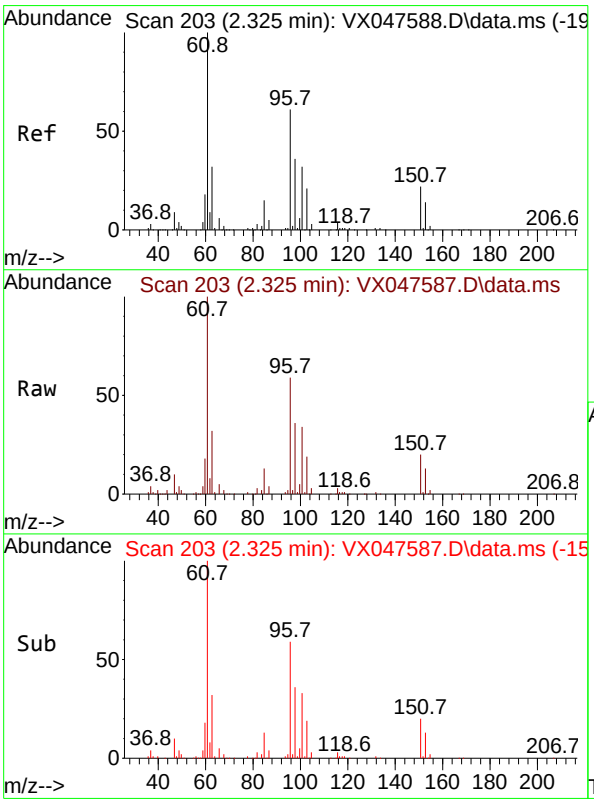
#11
Tert butyl alcohol
Concen: 96.582 ug/l
RT: 2.946 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 32456

Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.3	12.5

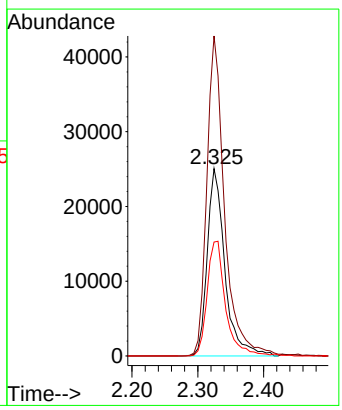


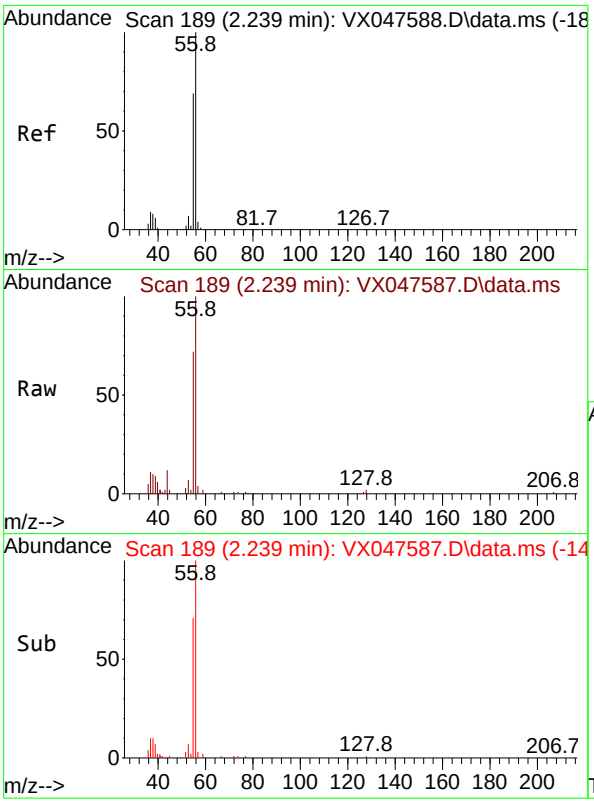


#12
1,1-Dichloroethene
Concen: 20.808 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 96 Resp: 46863

Ion	Ratio	Lower	Upper
96	100		
61	170.7	131.0	196.6
98	60.8	47.7	71.5



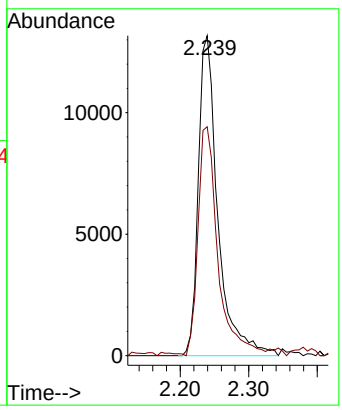


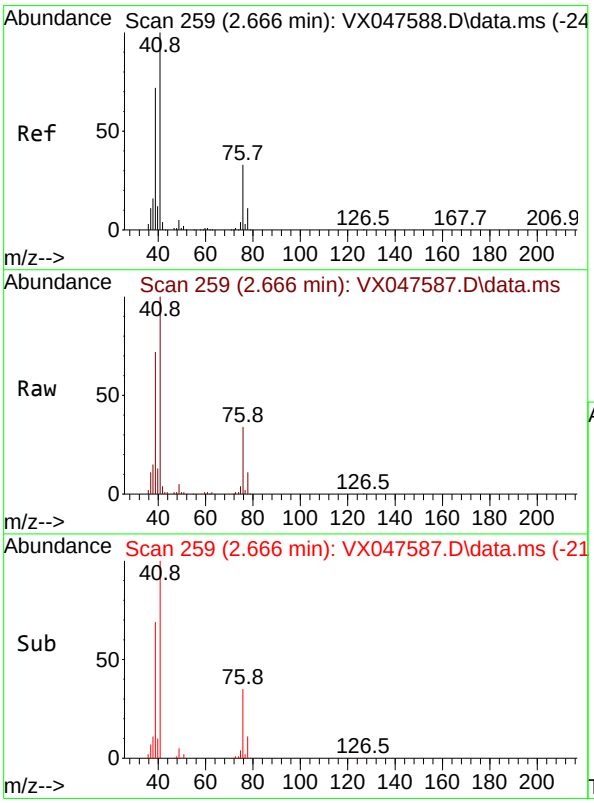
#13
Acrolein
Concen: 84.473 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 26159

Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.2	85.8

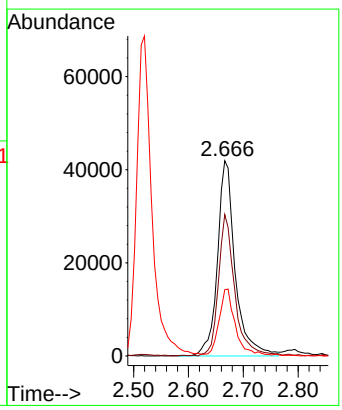


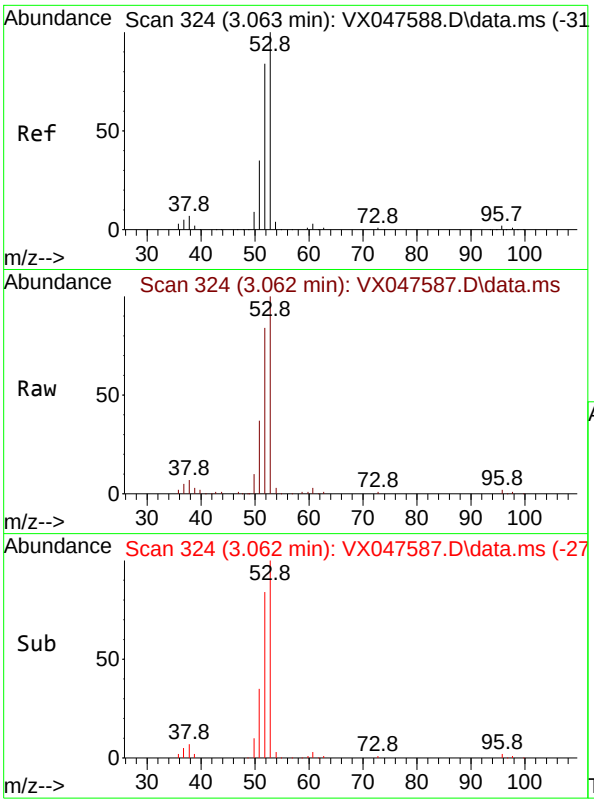


#14
Allyl chloride
Concen: 20.379 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 41 Resp: 94710

Ion	Ratio	Lower	Upper
41	100		
39	65.5	54.7	82.1
76	30.3	25.7	38.5



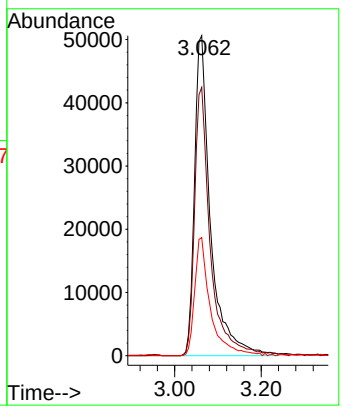


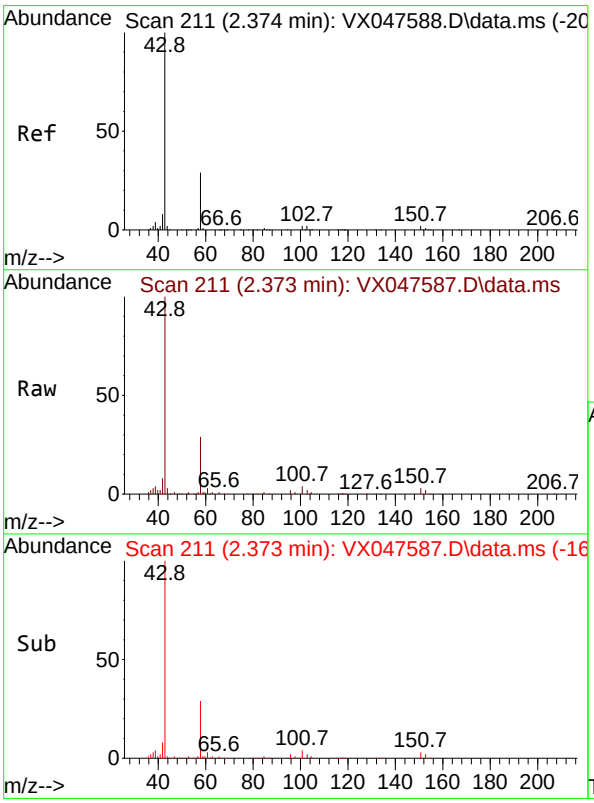
#15
Acrylonitrile
Concen: 104.554 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 130143

Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.4	99.6
51	36.2	29.5	44.3

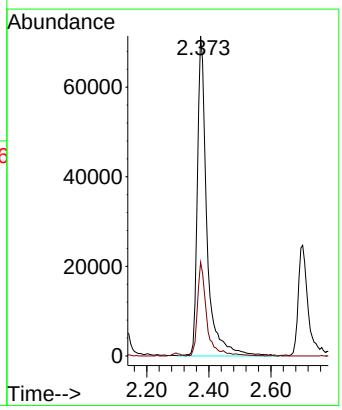


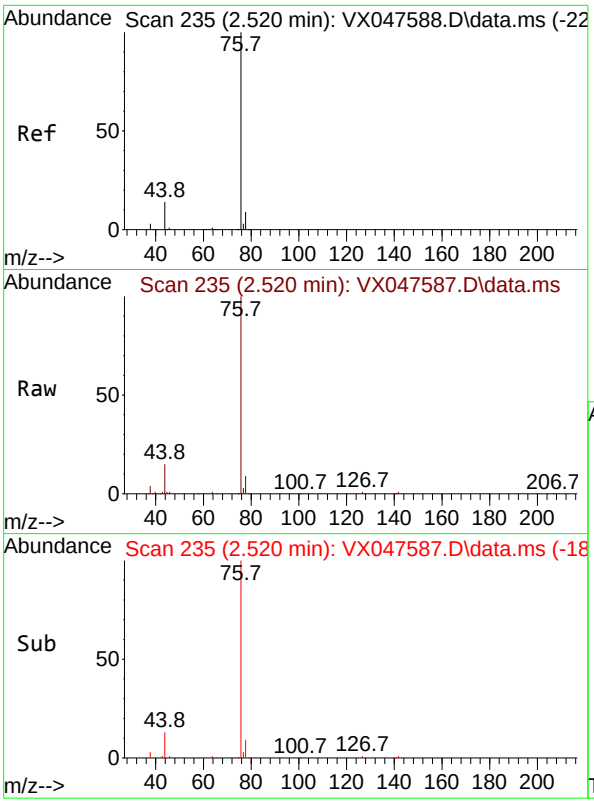


#16
Acetone
Concen: 115.507 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 151538

Ion	Ratio	Lower	Upper
43	100		
58	29.3	23.4	35.0



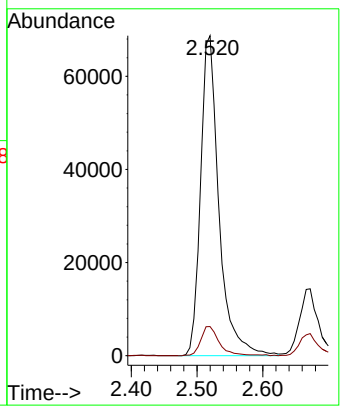


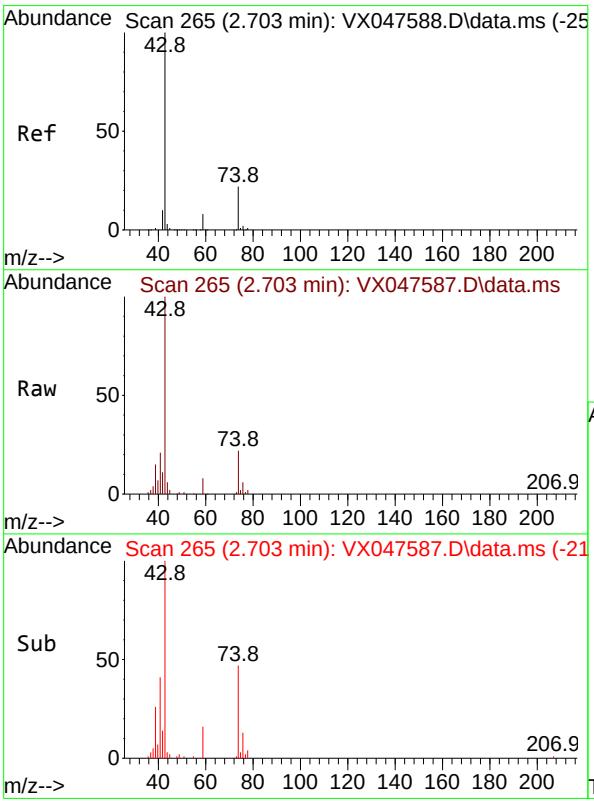
#17
Carbon Disulfide
Concen: 21.620 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 133296

Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.8	10.2

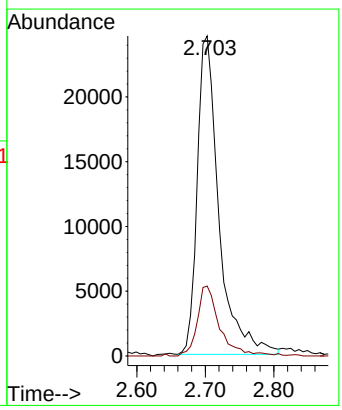


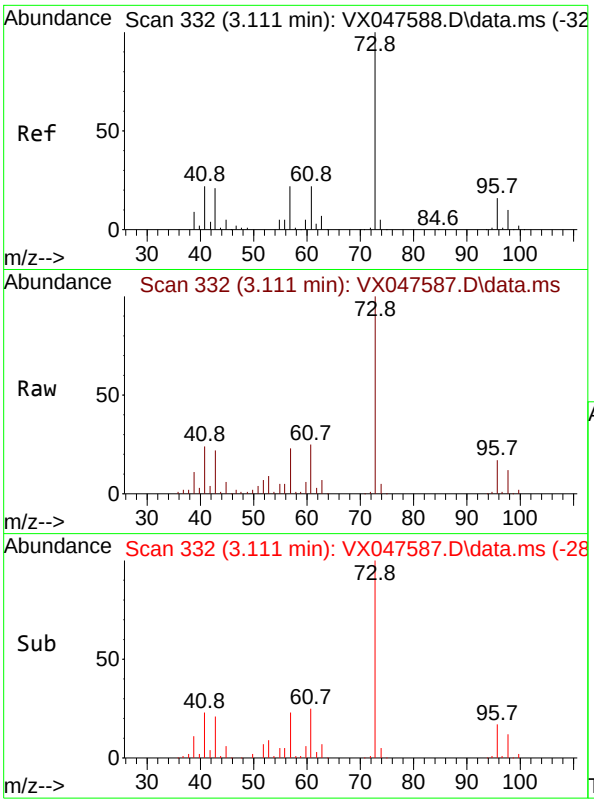


#18
Methyl Acetate
Concen: 18.536 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 54120

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2



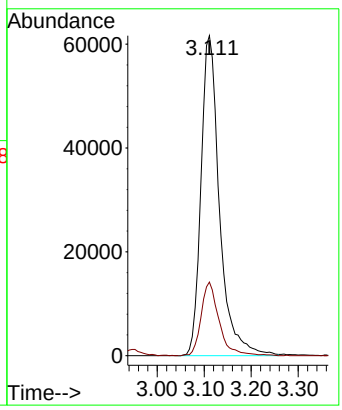


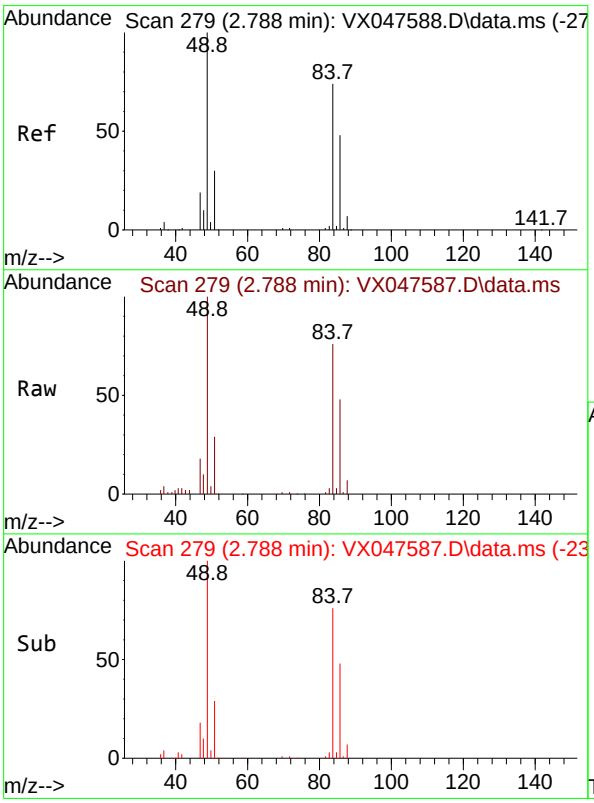
#19
Methyl tert-butyl Ether
Concen: 20.486 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 168426

Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.4	26.2

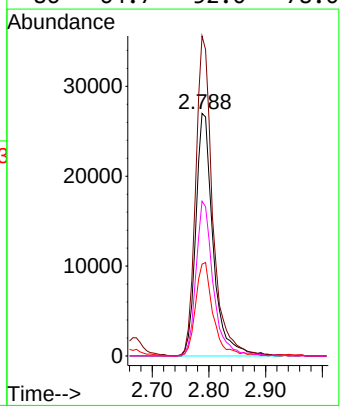


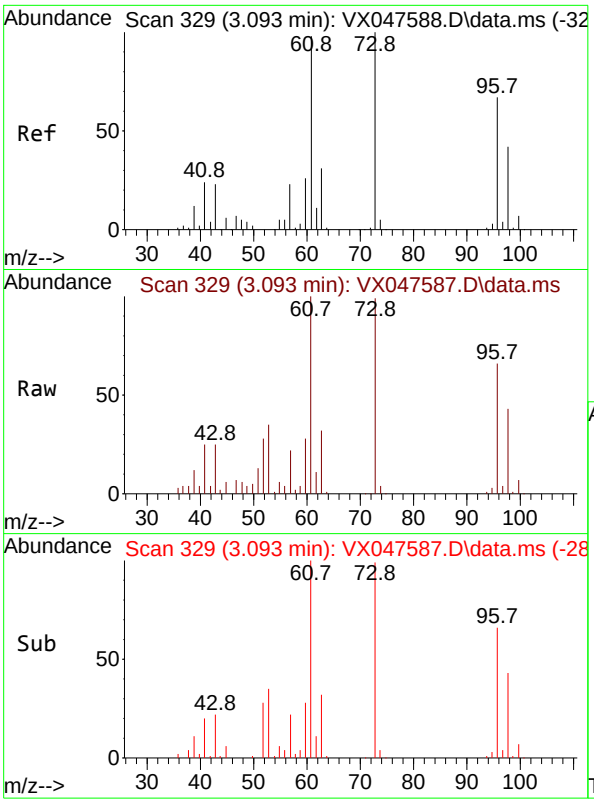


#20
Methylene Chloride
Concen: 20.581 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 84 Resp: 57153

Ion	Ratio	Lower	Upper
84	100		
49	131.7	108.6	162.8
51	37.9	32.6	48.8
86	64.7	52.0	78.0



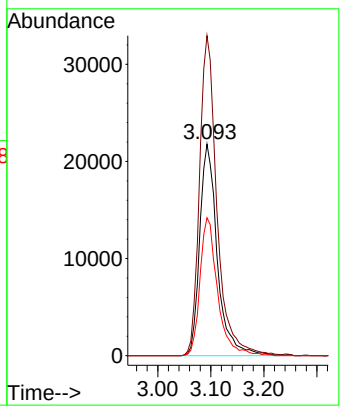


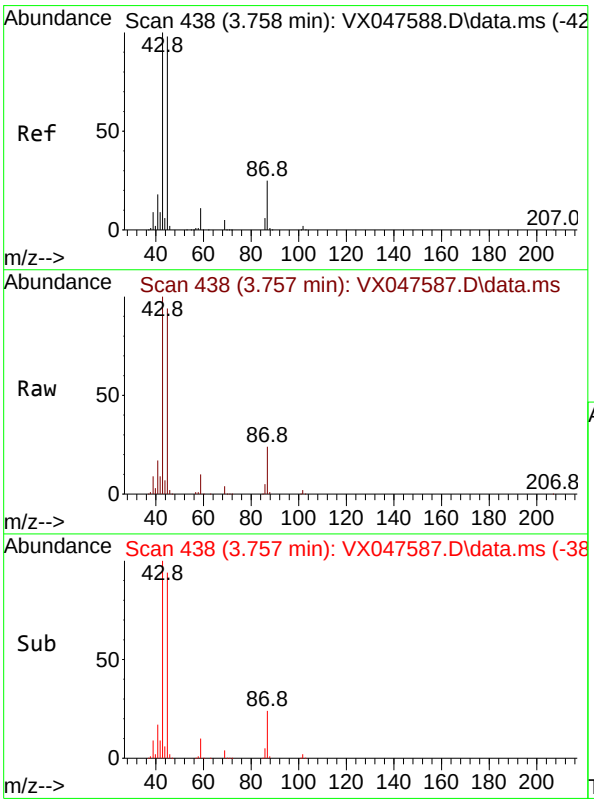
#21
trans-1,2-Dichloroethene
Concen: 20.791 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 50413

Ion	Ratio	Lower	Upper
96	100		
61	151.3	116.2	174.2
98	67.2	49.3	73.9

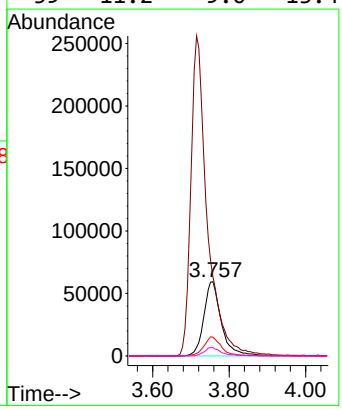


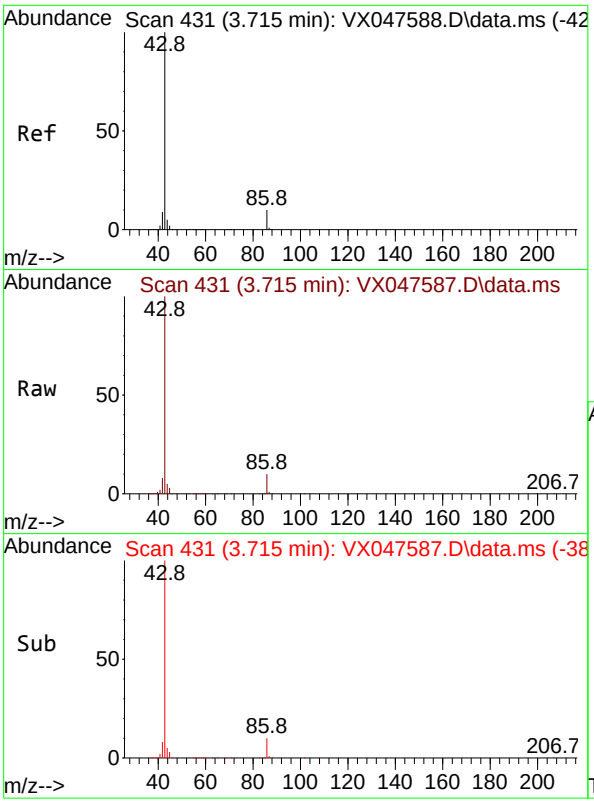


#22
Diisopropyl ether
Concen: 20.940 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 45 Resp: 188598

Ion	Ratio	Lower	Upper
45	100		
43	106.1	81.0	121.4
87	25.5	20.3	30.5
59	11.2	9.0	13.4



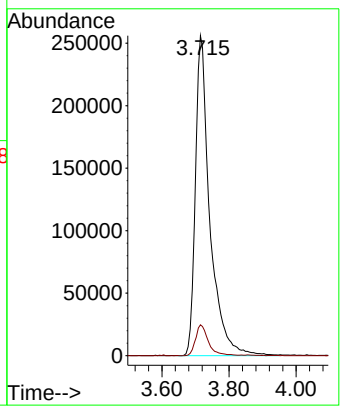


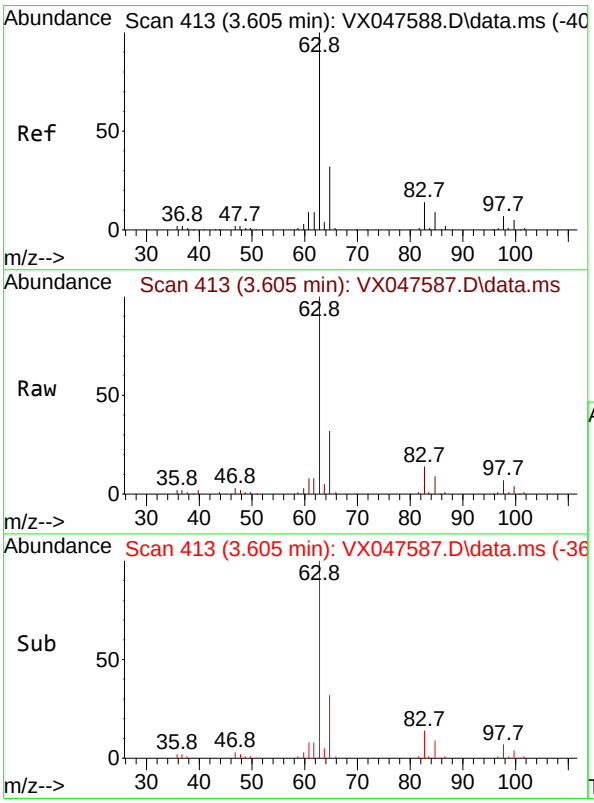
#23
Vinyl Acetate
Concen: 106.218 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 765675

Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.8	11.8

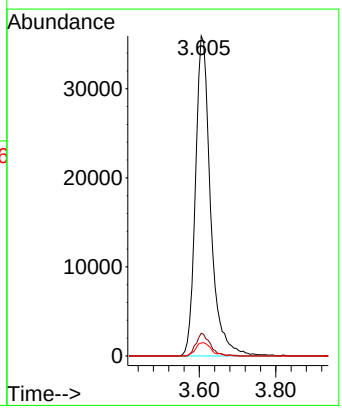


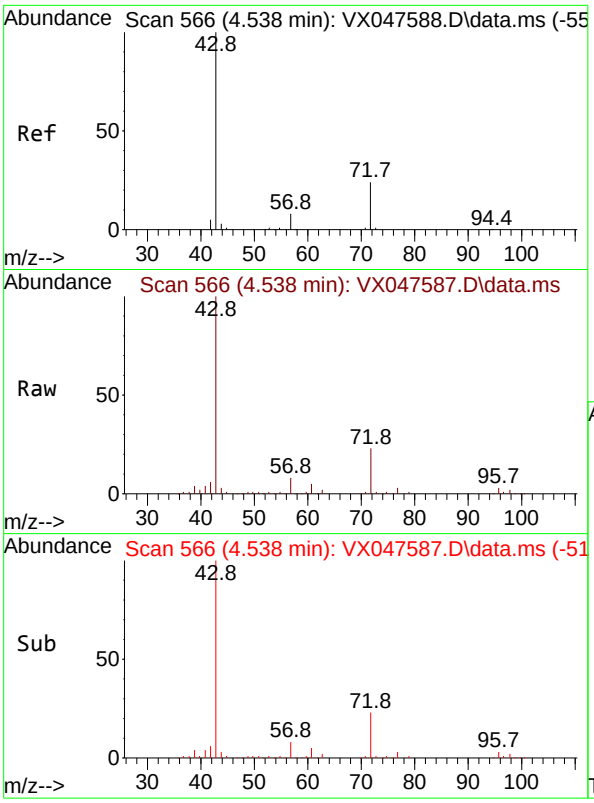


#24
1,1-Dichloroethane
Concen: 20.578 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 63 Resp: 98509

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.8	11.2
100	4.1	2.3	6.9



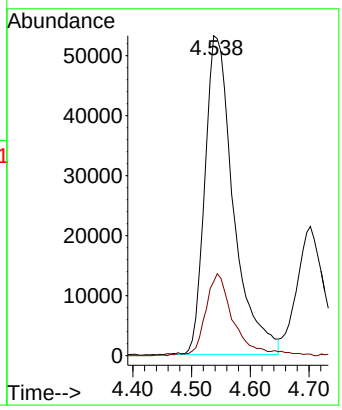


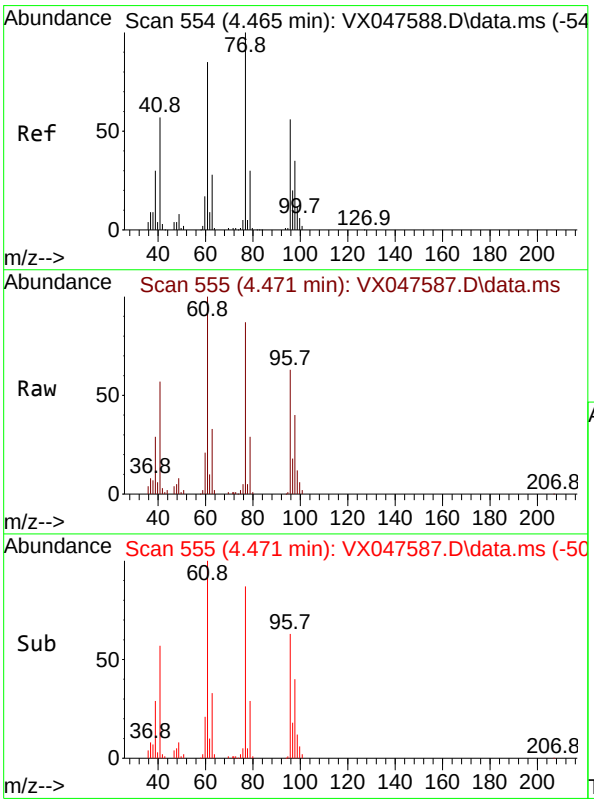
#25
2-Butanone
Concen: 109.679 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 179487

Ion	Ratio	Lower	Upper
43	100		
72	22.3	20.1	30.1

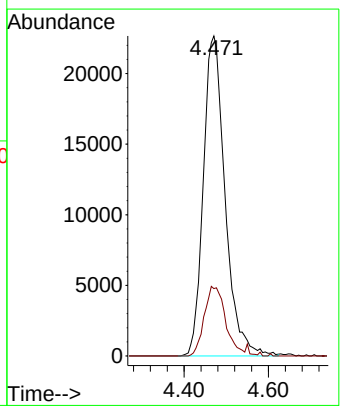


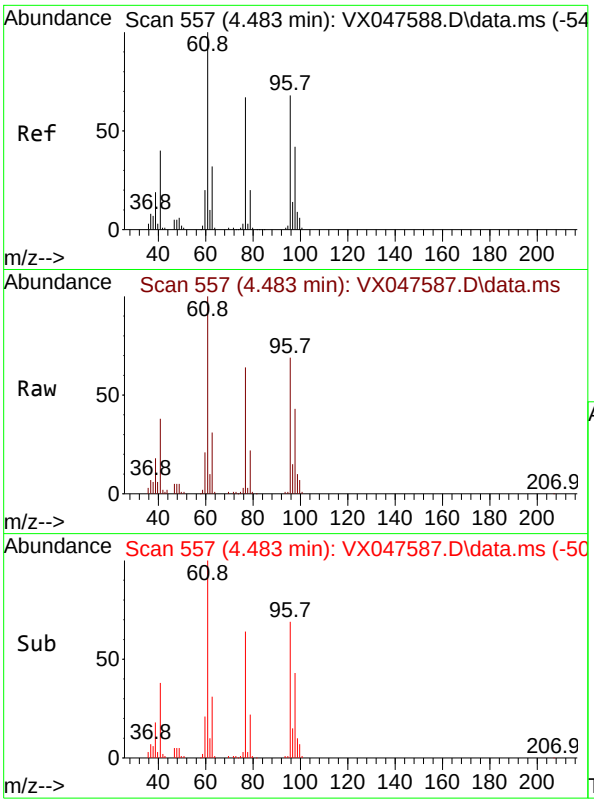


#26
2,2-Dichloropropane
Concen: 20.459 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 77 Resp: 81413

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.9	32.7



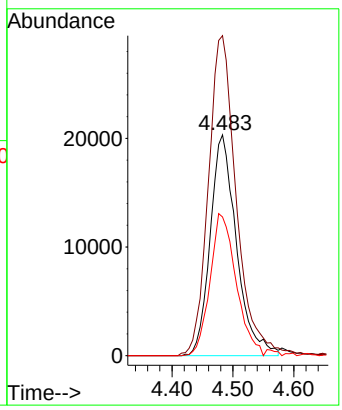


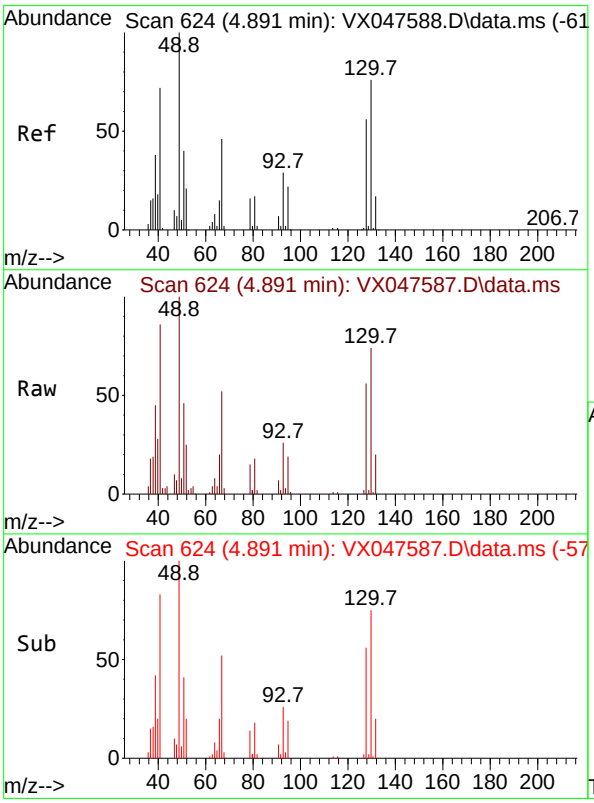
#27
cis-1,2-Dichloroethene
Concen: 20.497 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 60865

Ion	Ratio	Lower	Upper
96	100		
61	154.8	0.0	303.2
98	63.7	0.0	127.8

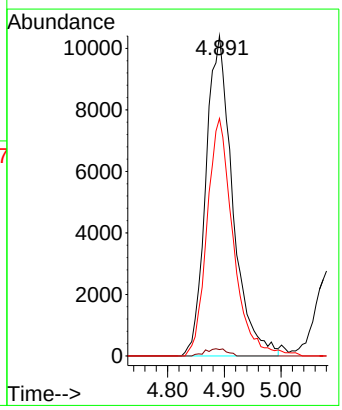


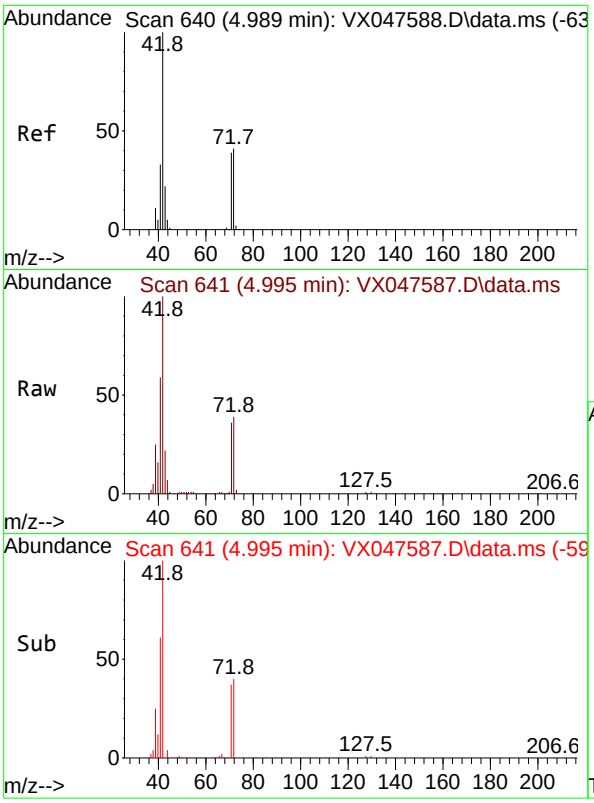


#28
Bromochloromethane
Concen: 16.309 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 49 Resp: 34085

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.2
130	72.7	57.8	86.8



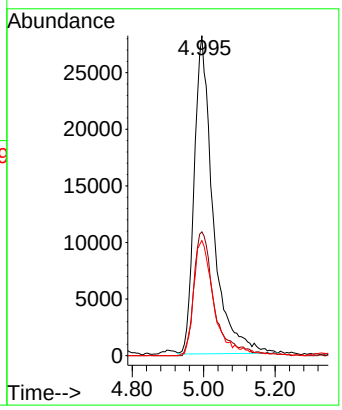


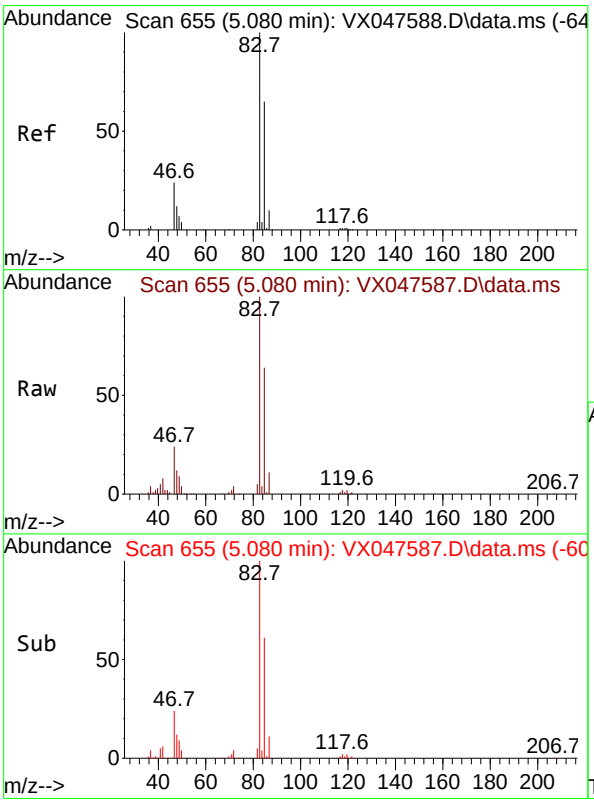
#29
Tetrahydrofuran
Concen: 104.560 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 102935

Ion	Ratio	Lower	Upper
42	100		
72	41.5	34.2	51.2
71	37.8	31.9	47.9

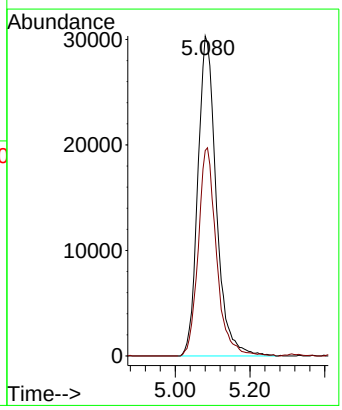


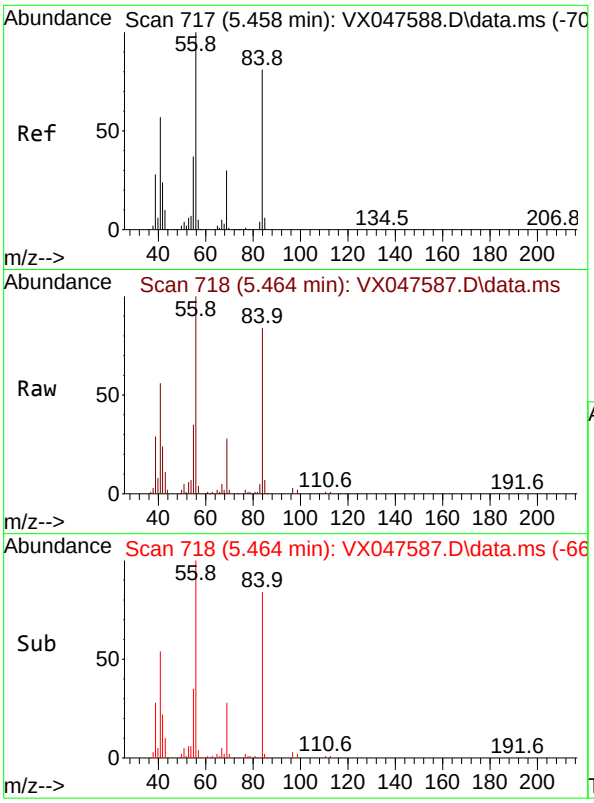


#30
Chloroform
Concen: 21.413 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 83 Resp: 103586

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.8	77.6



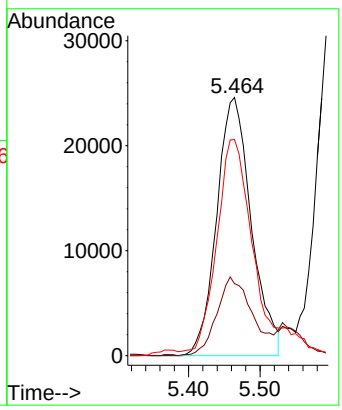


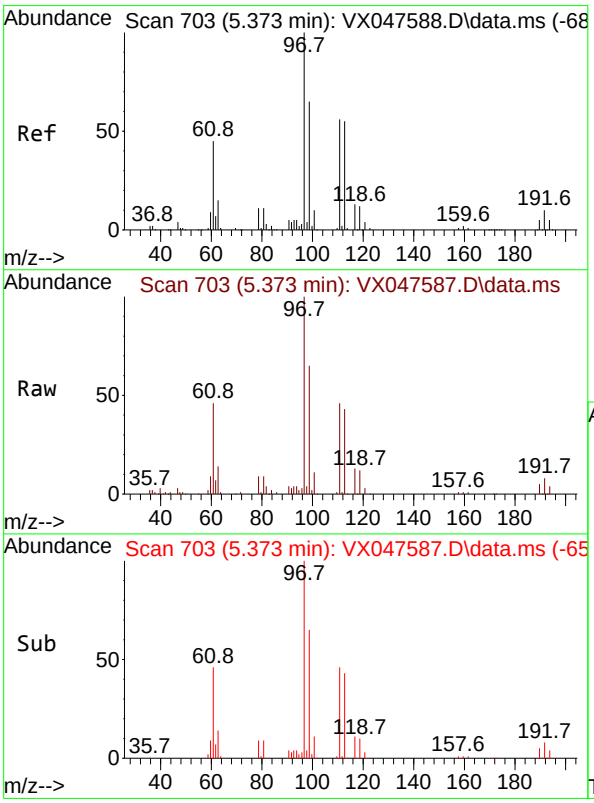
#31
Cyclohexane
Concen: 20.759 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 82770

Ion	Ratio	Lower	Upper
56	100		
69	27.9	23.8	35.8
84	82.2	64.6	97.0

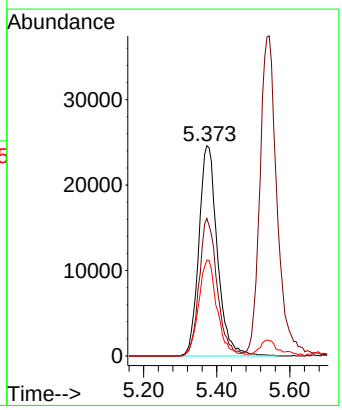


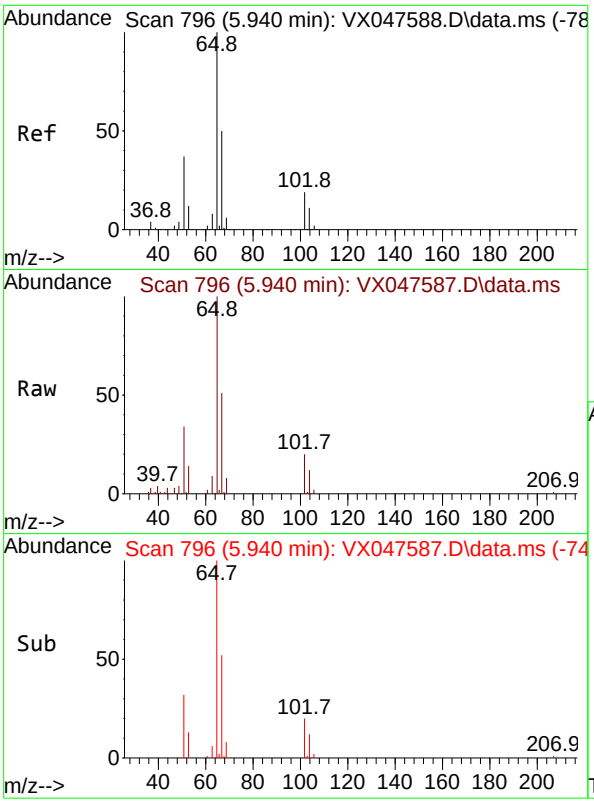


#32
1,1,1-Trichloroethane
Concen: 21.081 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 97 Resp: 86500

Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.6	76.0
61	45.5	35.8	53.8



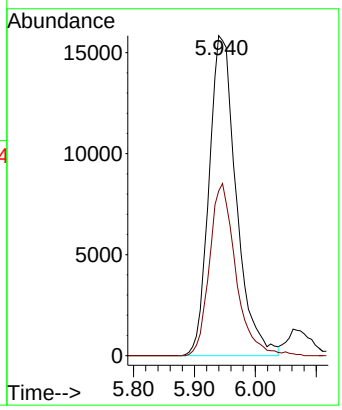


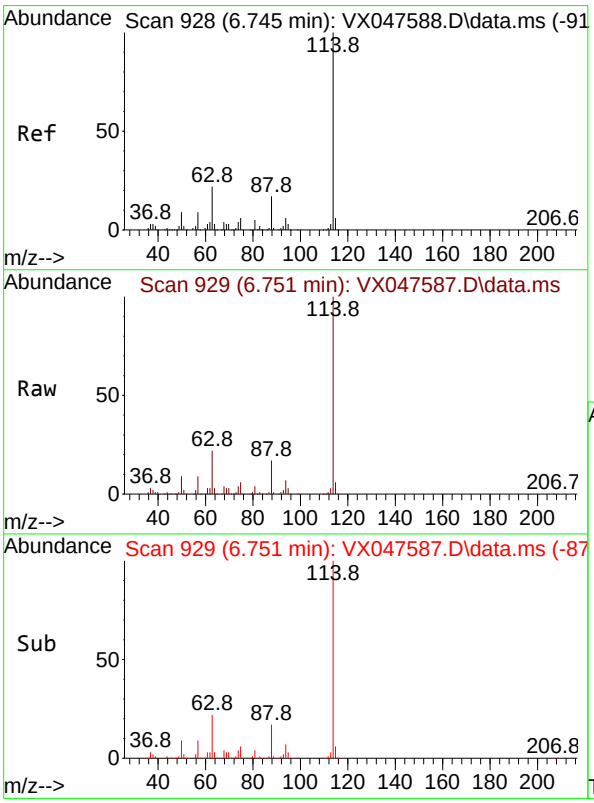
#33
1,2-Dichloroethane-d4
Concen: 16.264 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 49073

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	103.0

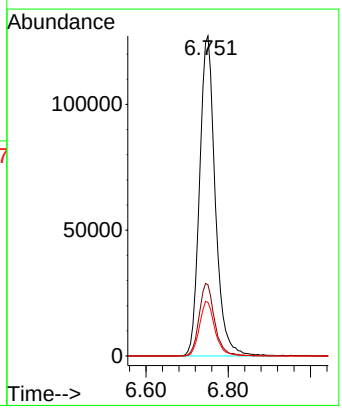


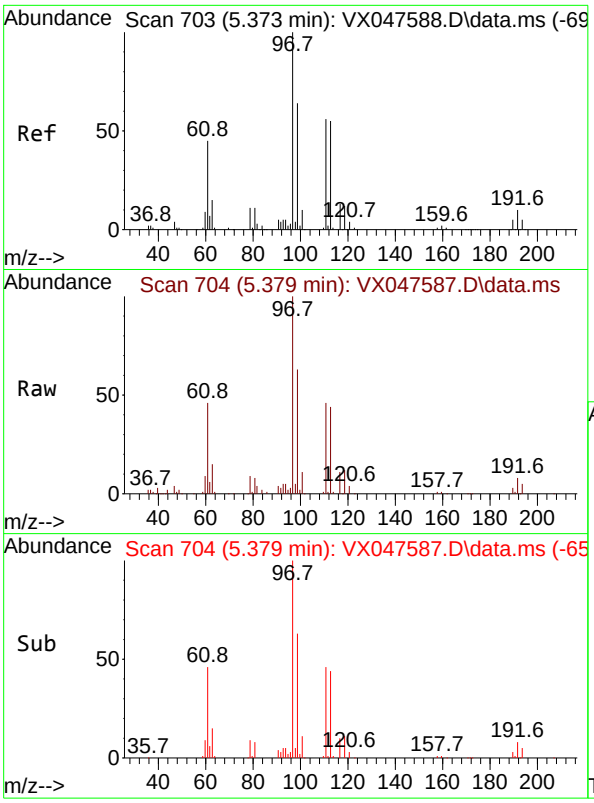


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:114 Resp: 336287

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	16.8	0.0	34.2



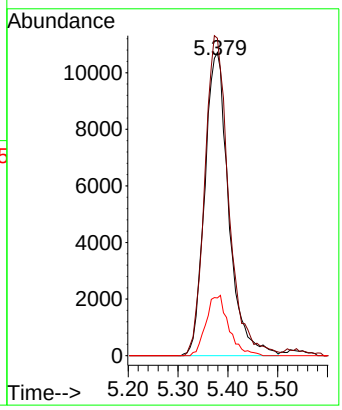


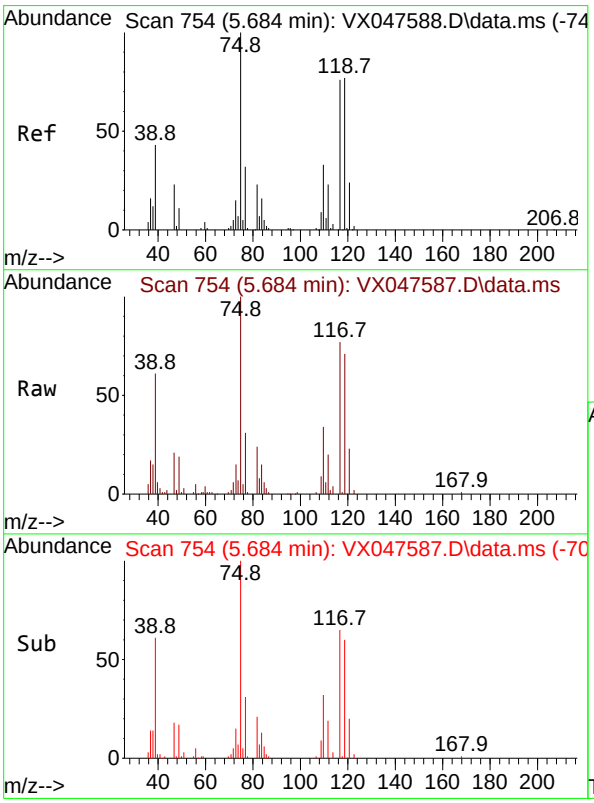
#35
Dibromofluoromethane
Concen: 15.868 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 35788

Ion	Ratio	Lower	Upper
113	100		
111	105.7	80.9	121.3
192	18.8	14.2	21.4

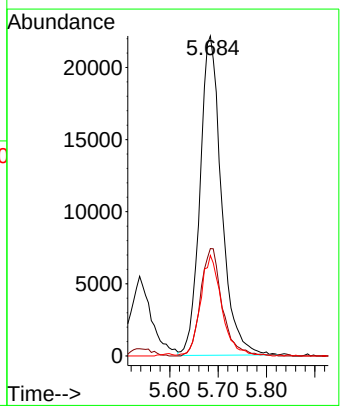


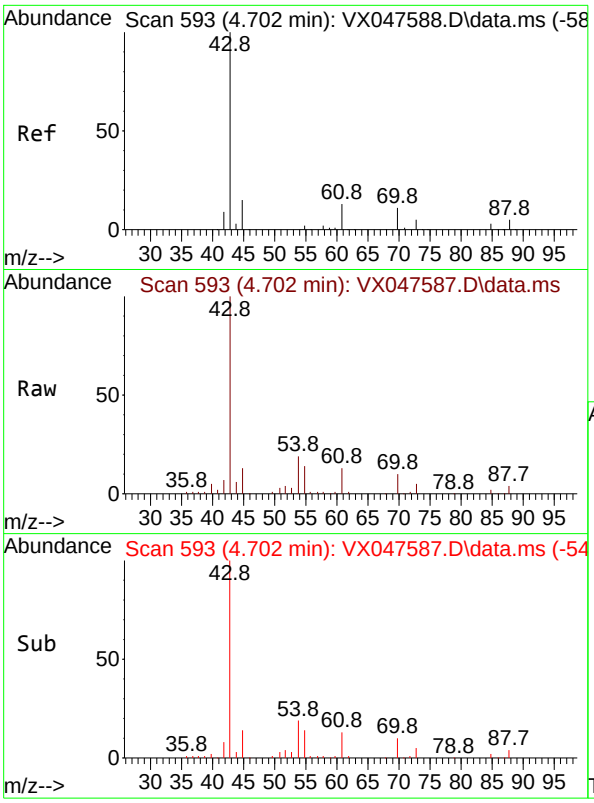


#36
1,1-Dichloropropene
Concen: 20.754 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 68395

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.7	50.1
77	31.2	24.3	36.5



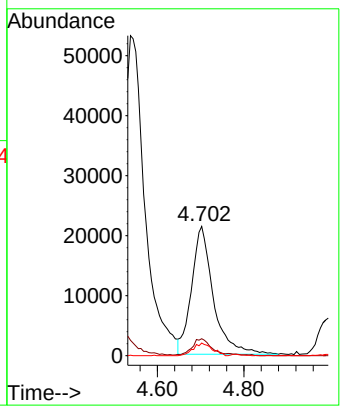


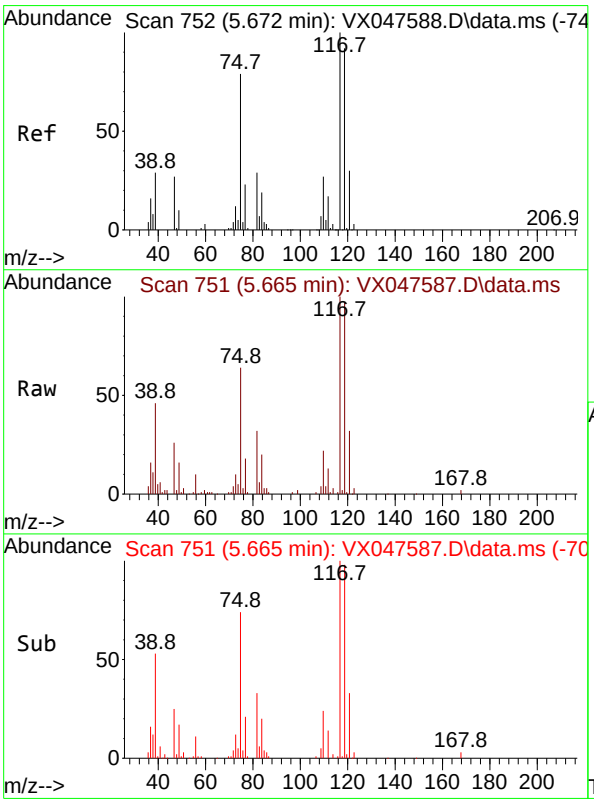
#37
Ethyl Acetate
Concen: 21.113 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 74499

Ion	Ratio	Lower	Upper
43	100		
61	10.8	9.8	14.8
70	8.5	7.9	11.9

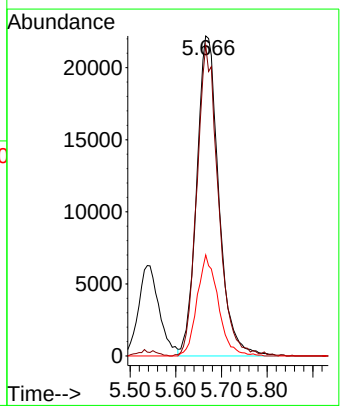


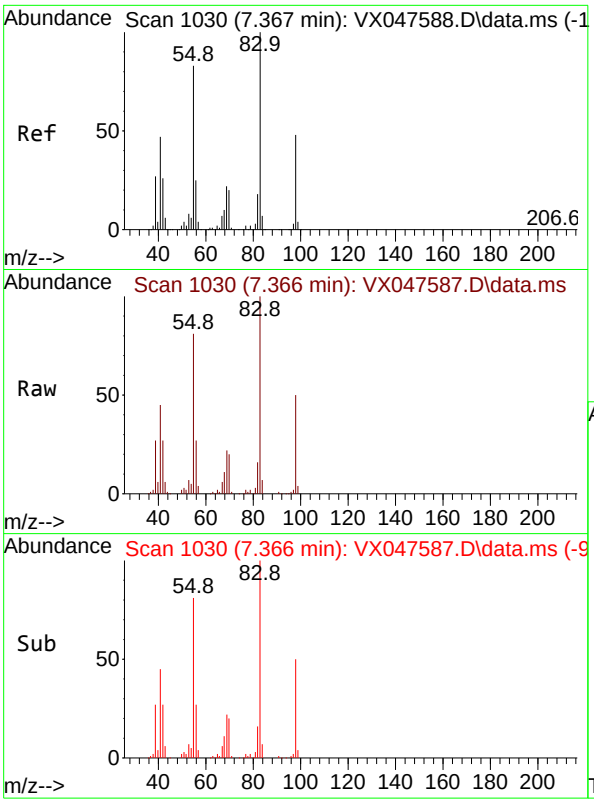


#38
Carbon Tetrachloride
Concen: 20.844 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:117 Resp: 74636

Ion	Ratio	Lower	Upper
117	100		
119	96.9	73.4	110.2
121	31.6	23.8	35.6



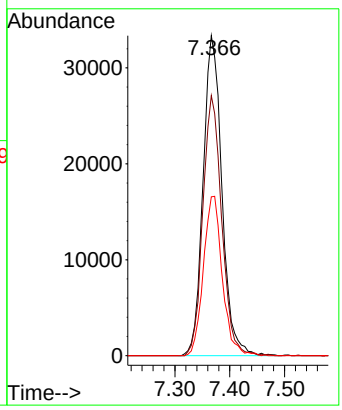


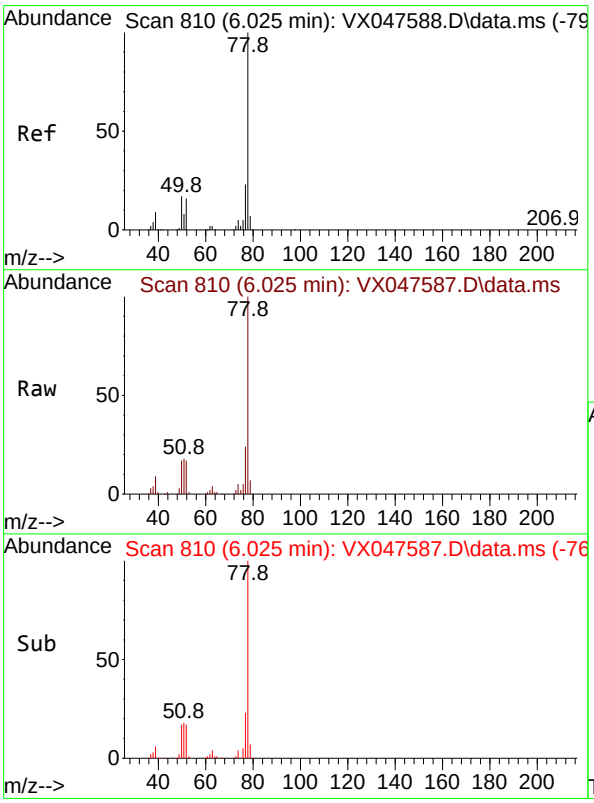
#39
Methylcyclohexane
Concen: 21.251 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 79499

Ion	Ratio	Lower	Upper
83	100		
55	81.2	66.4	99.6
98	49.6	38.1	57.1

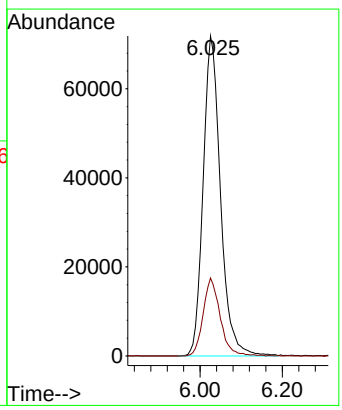


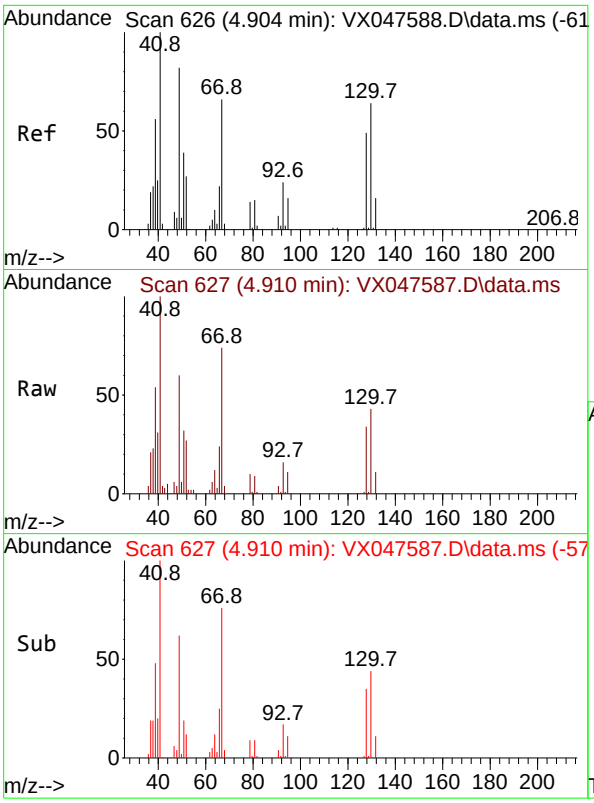


#40
Benzene
Concen: 21.051 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 78 Resp: 210711

Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.8	28.2



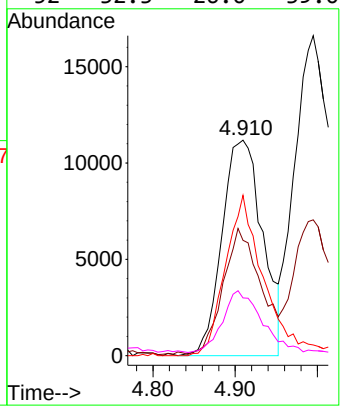


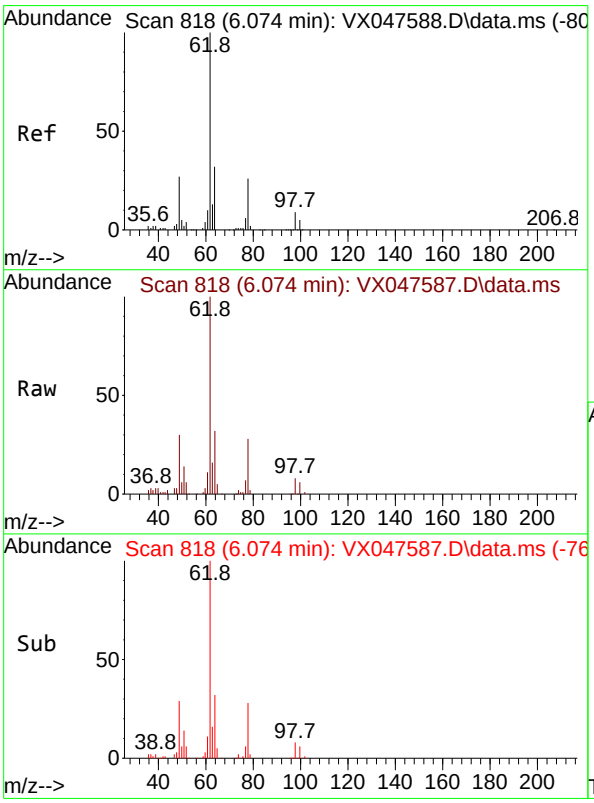
#41
Methacrylonitrile
Concen: 21.148 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 38525

Ion	Ratio	Lower	Upper
41	100		
39	53.8	43.3	64.9
67	72.5	58.6	87.8
52	32.3	26.0	39.0

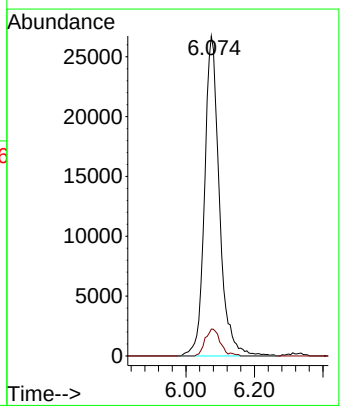


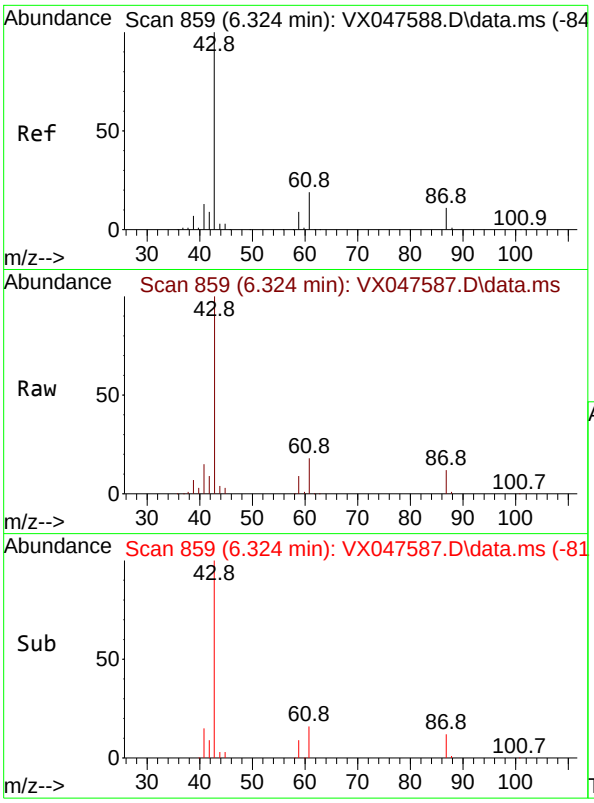


#42
1,2-Dichloroethane
Concen: 21.175 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 62 Resp: 80646

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0



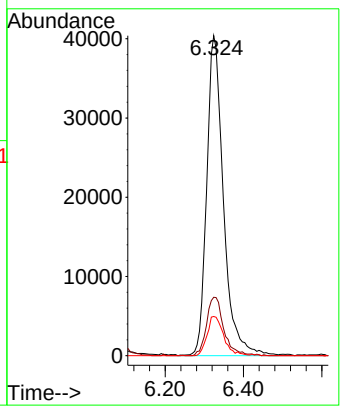


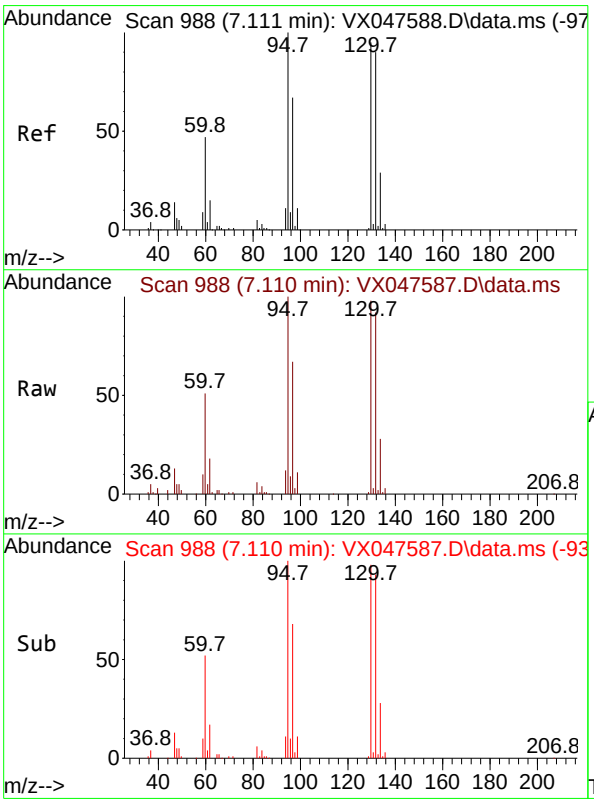
#43
Isopropyl Acetate
Concen: 20.670 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 119623

Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.2	22.8
87	12.1	9.6	14.4

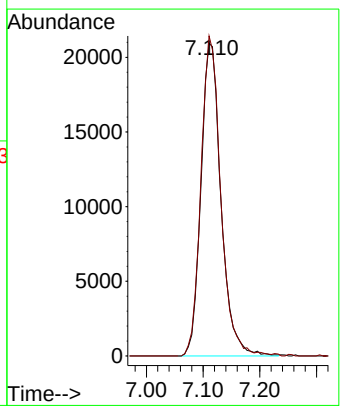


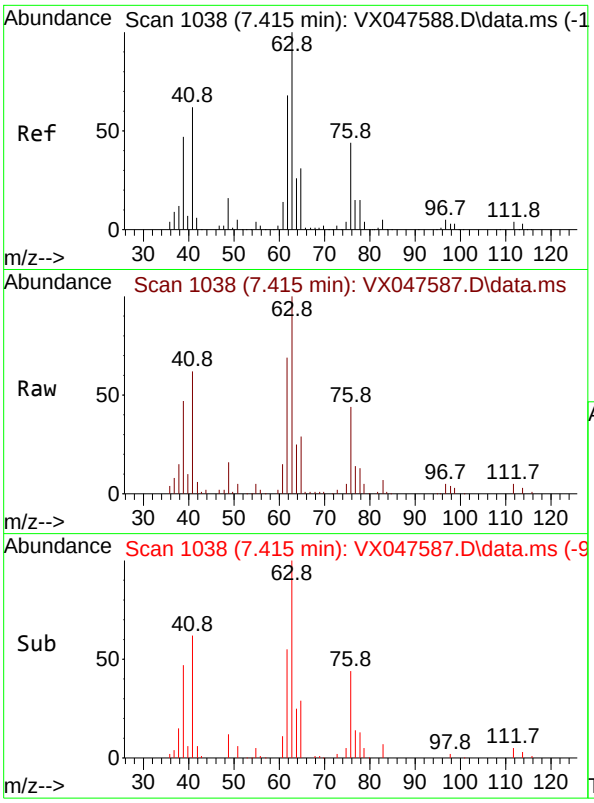


#44
Trichloroethene
Concen: 21.228 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:130 Resp: 51369

Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	210.8



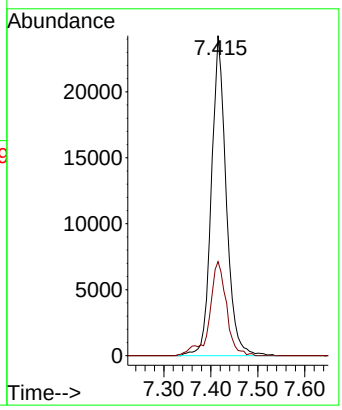


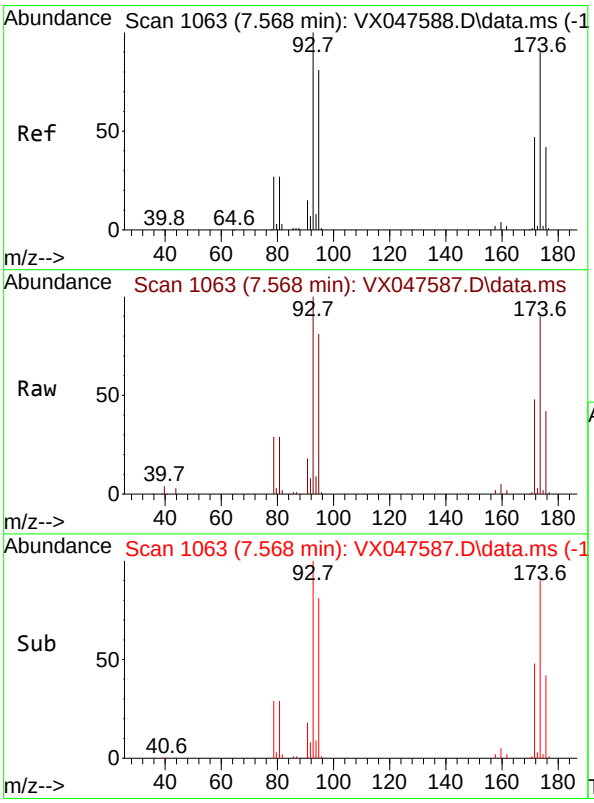
#45
1,2-Dichloropropane
Concen: 20.697 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 53046

Ion	Ratio	Lower	Upper
63	100		
65	29.4	24.7	37.1

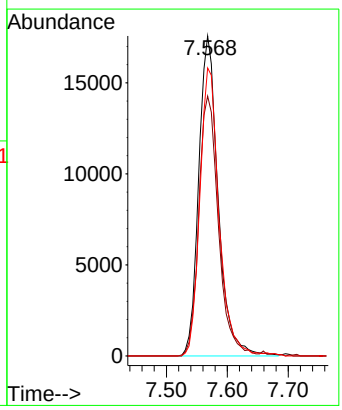


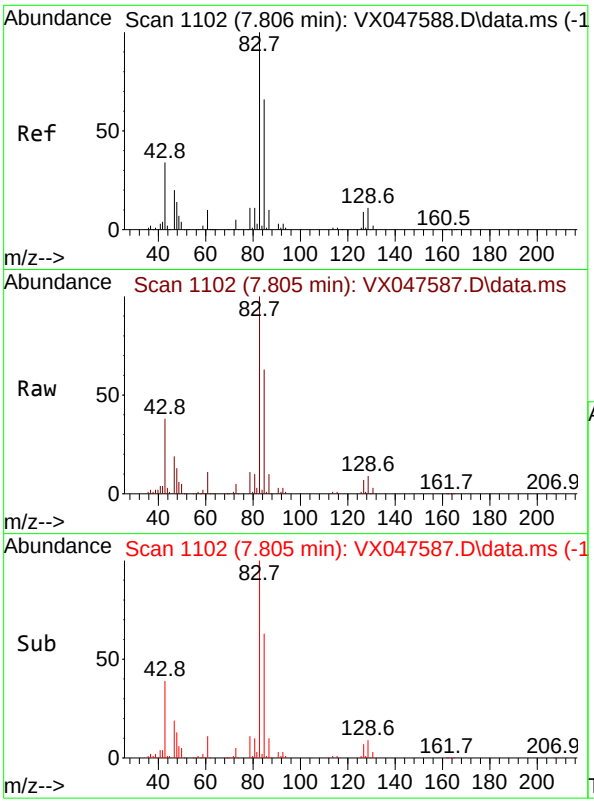


#46
Dibromomethane
Concen: 20.862 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 93 Resp: 38910

Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.0	97.6
174	89.2	71.6	107.4



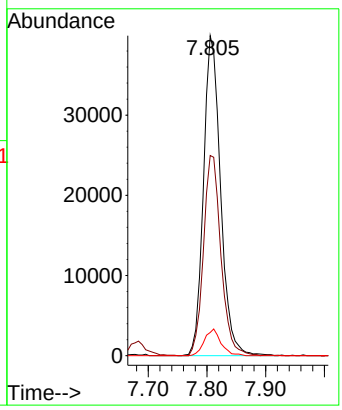


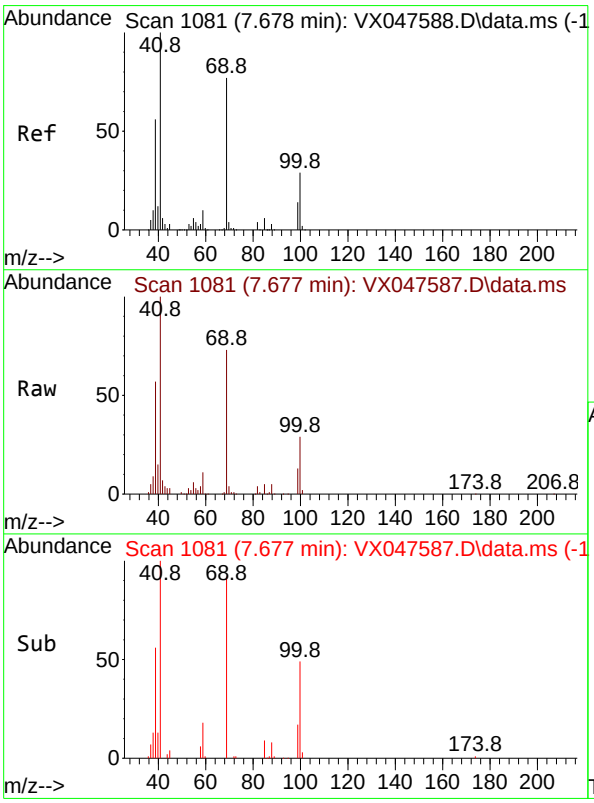
#47
Bromodichloromethane
Concen: 21.002 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 80831

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.5	78.7
127	8.2	6.9	10.3

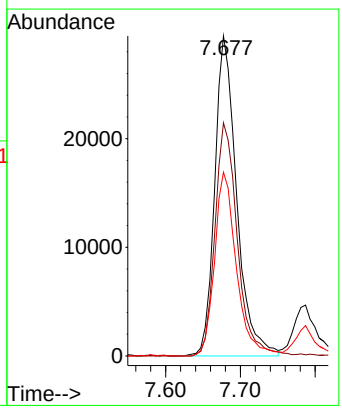


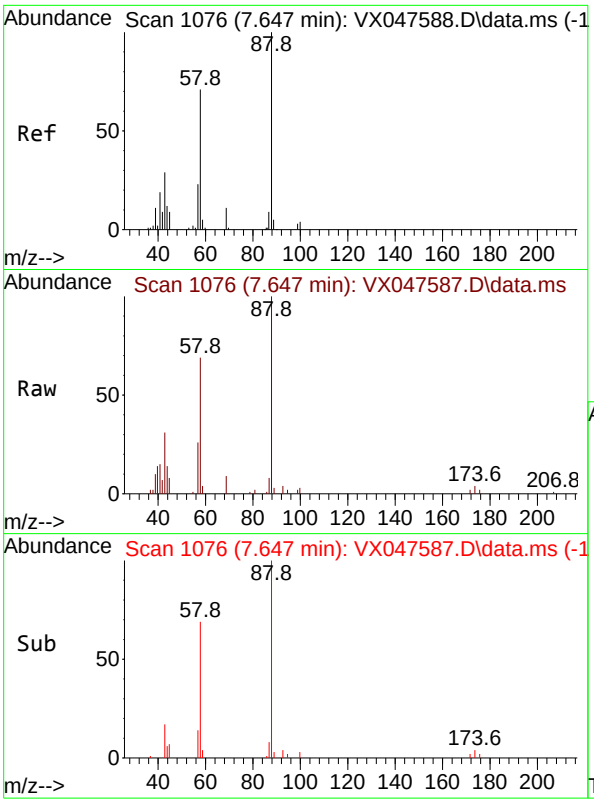


#48
Methyl methacrylate
Concen: 20.877 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 41 Resp: 60182

Ion	Ratio	Lower	Upper
41	100		
69	74.2	61.4	92.2
39	57.2	45.8	68.6



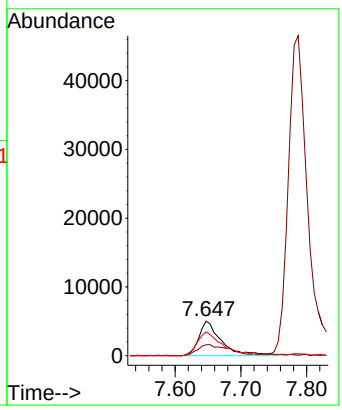


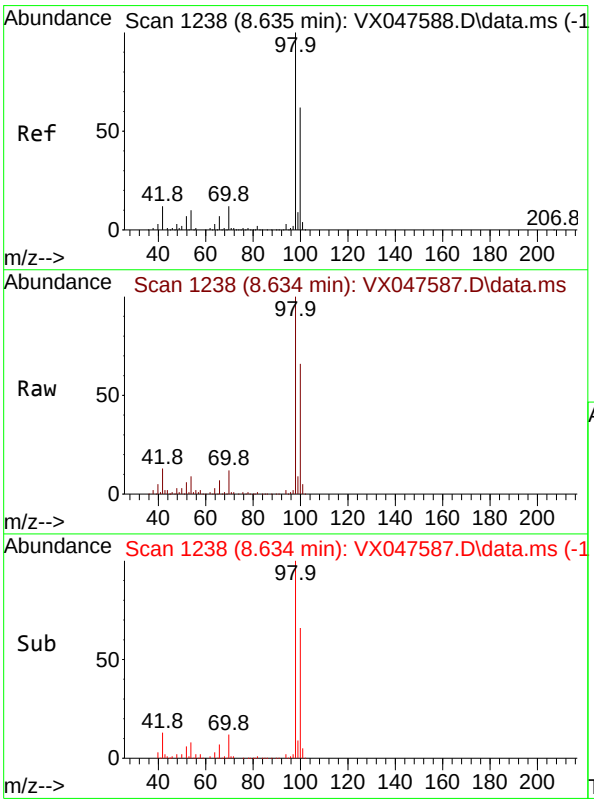
#49
1,4-Dioxane
Concen: 413.530 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 12047

Ion	Ratio	Lower	Upper
88	100		
43	44.7	30.2	45.2
58	75.8	59.5	89.3

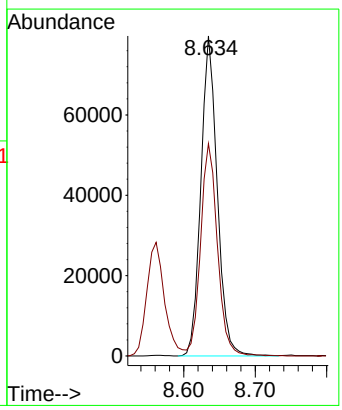


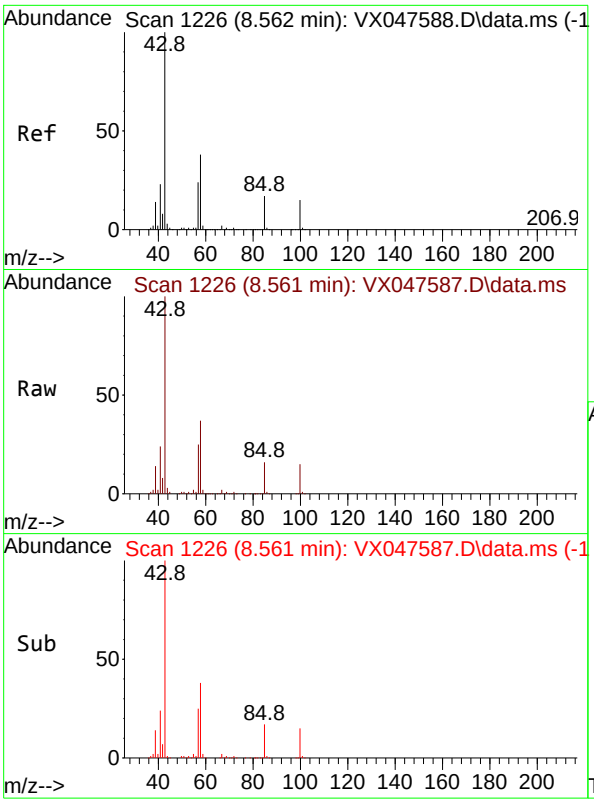


#50
Toluene-d8
Concen: 16.258 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 98 Resp: 126875

Ion	Ratio	Lower	Upper
98	100		
100	67.9	53.0	79.4



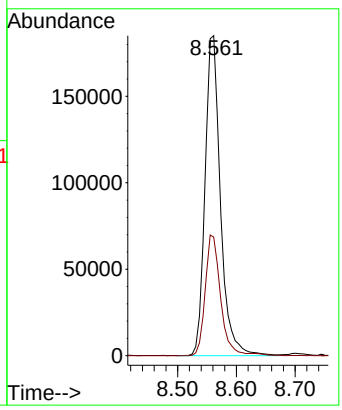


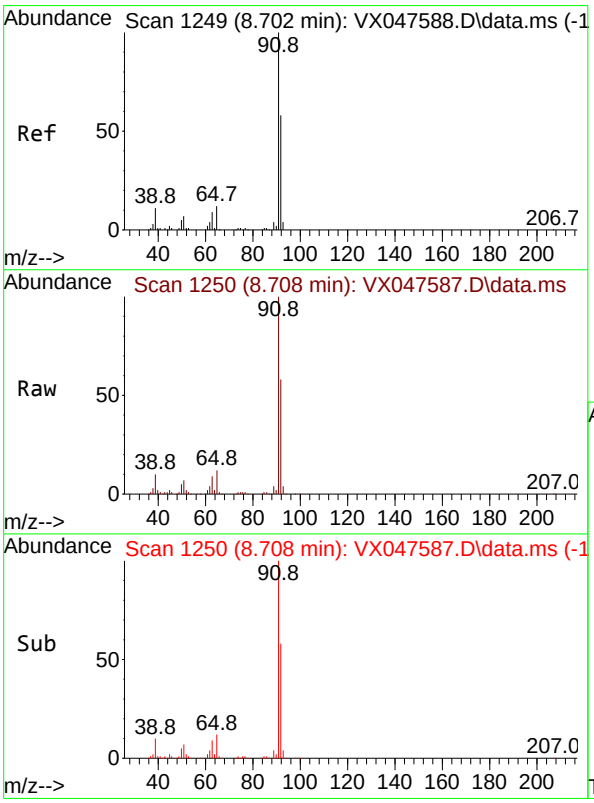
#51
4-Methyl-2-Pentanone
Concen: 105.456 ug/l
RT: 8.561 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 338370

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.3	45.5

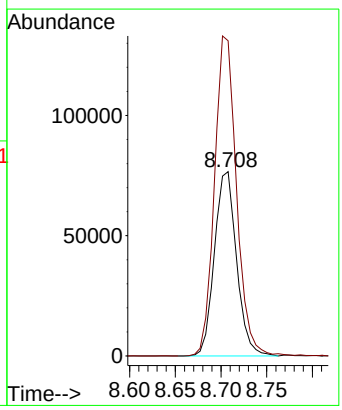


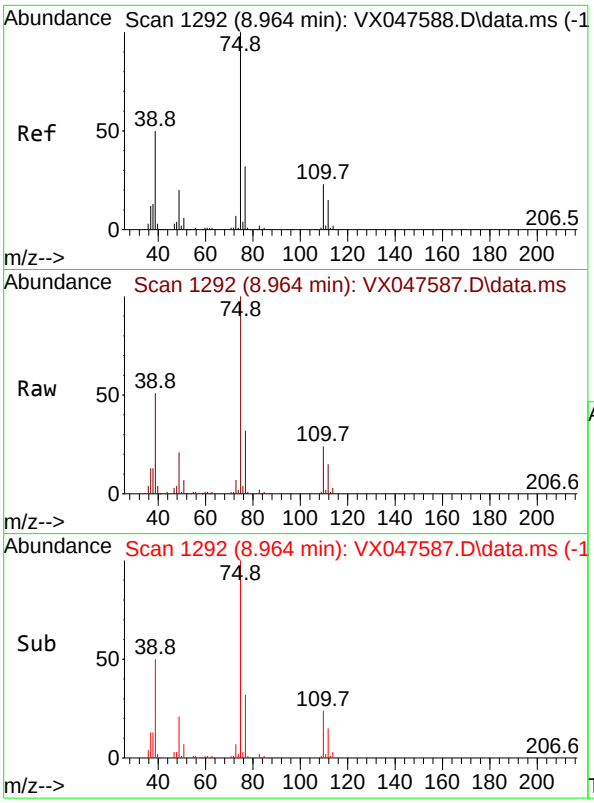


#52
Toluene
Concen: 20.950 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 92 Resp: 129193

Ion	Ratio	Lower	Upper
92	100		
91	173.2	137.1	205.7



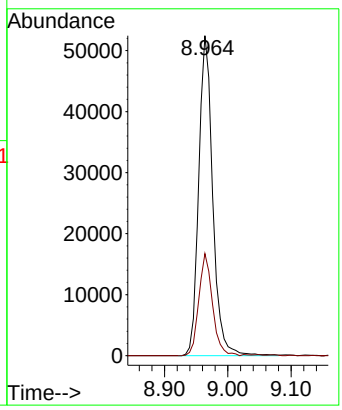


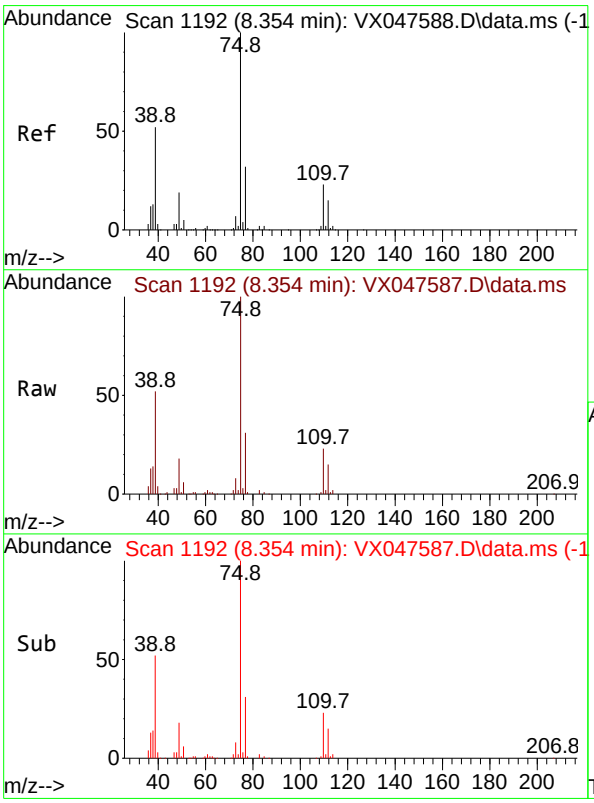
#53
t-1,3-Dichloropropene
Concen: 20.625 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 80972

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.2

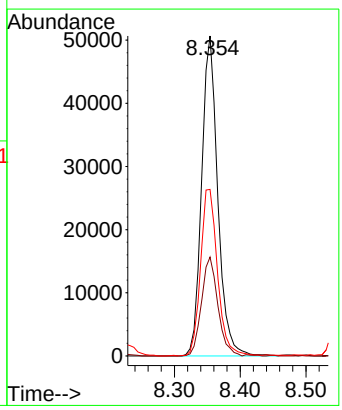


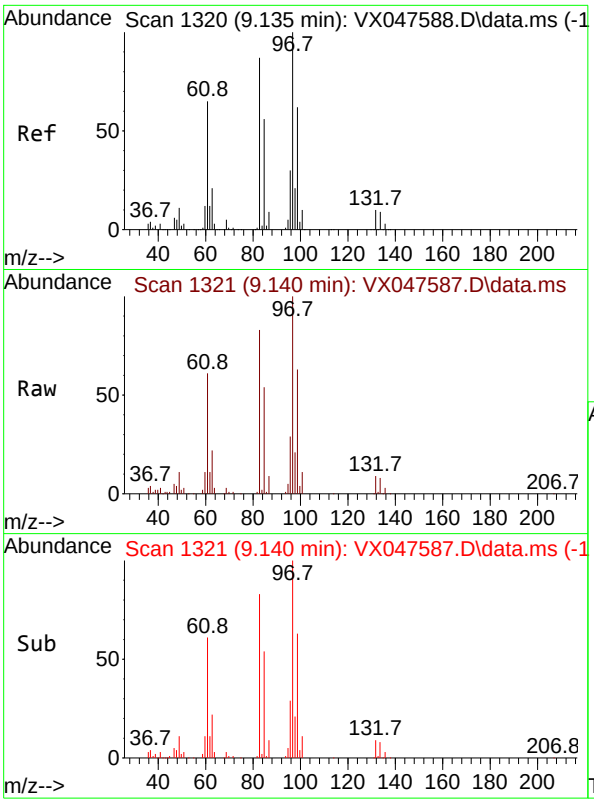


#54
cis-1,3-Dichloropropene
Concen: 20.650 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 86648

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.8	38.6
39	52.0	41.4	62.2



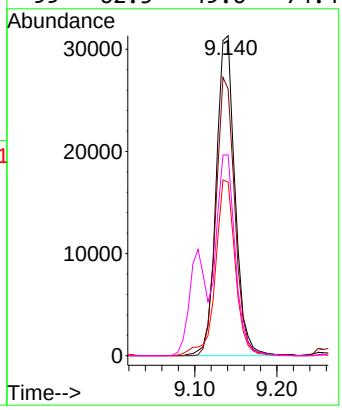


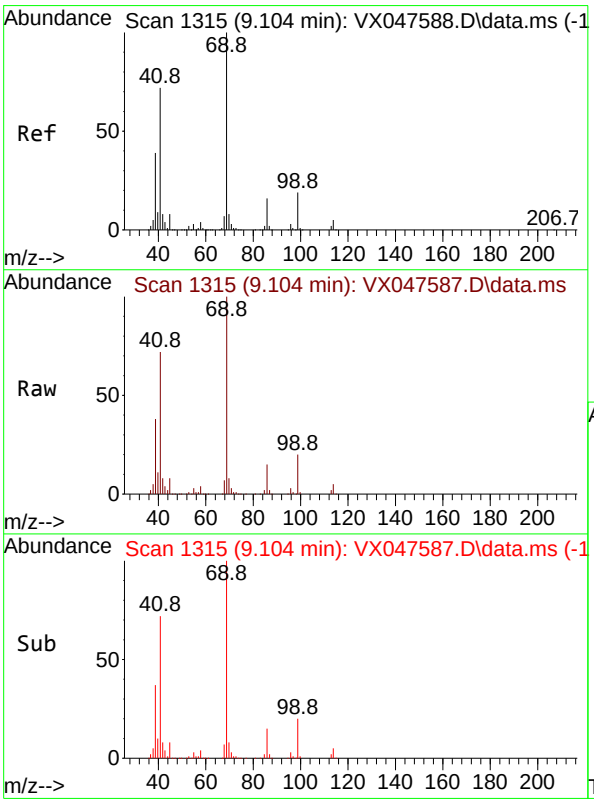
#55
1,1,2-Trichloroethane
Concen: 20.967 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 49857

Ion	Ratio	Lower	Upper
97	100		
83	83.3	69.6	104.4
85	55.2	45.0	67.6
99	62.5	49.6	74.4

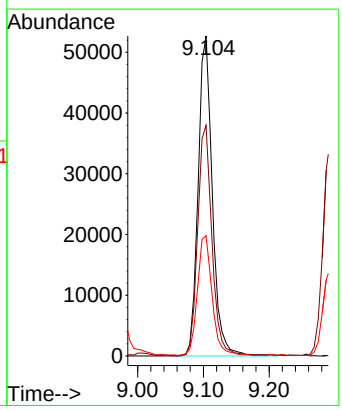


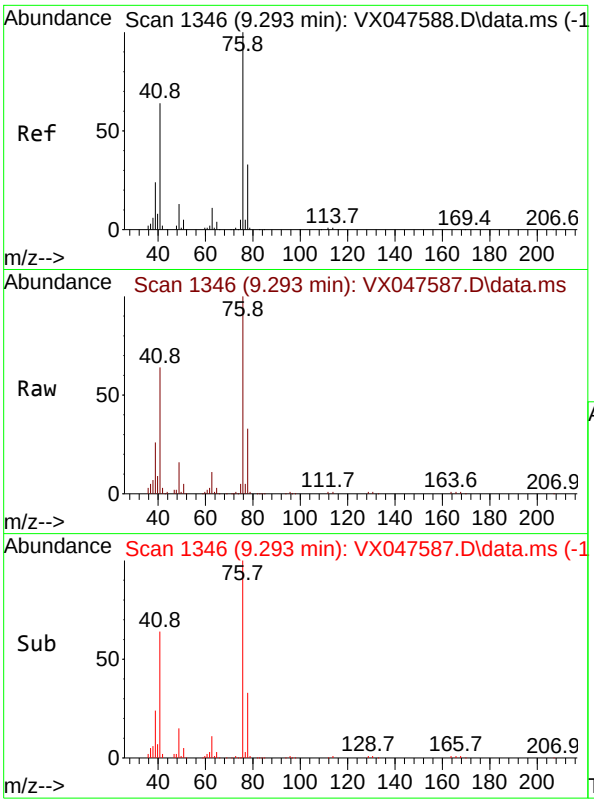


#56
Ethyl methacrylate
Concen: 21.158 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 69 Resp: 79011

Ion	Ratio	Lower	Upper
69	100		
41	72.6	58.6	87.8
39	38.6	31.5	47.3



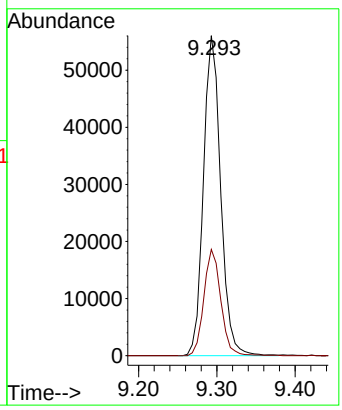


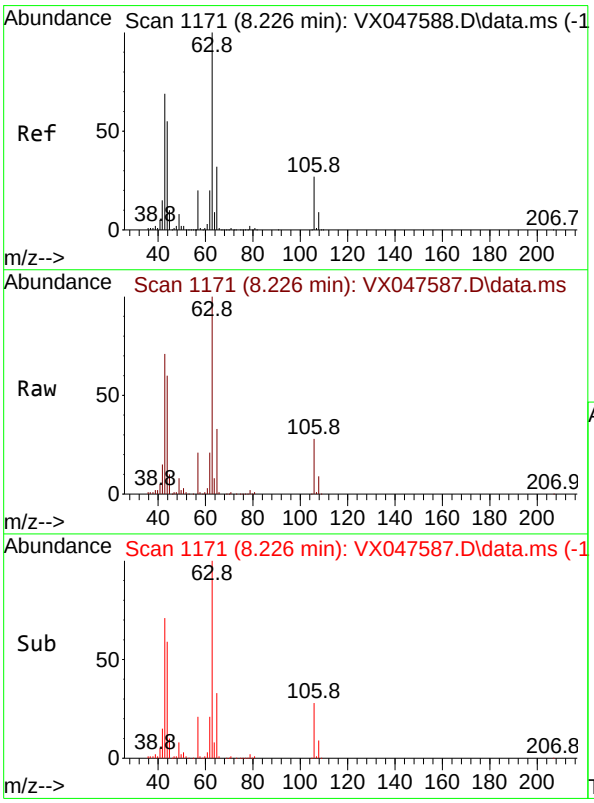
#57
1,3-Dichloropropane
Concen: 20.934 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 85511

Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.2	39.4

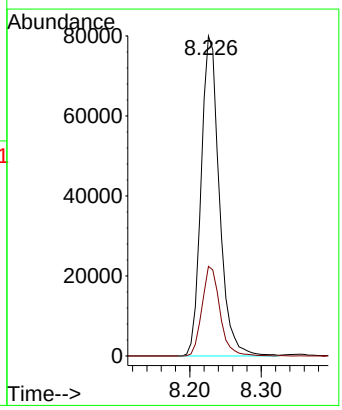


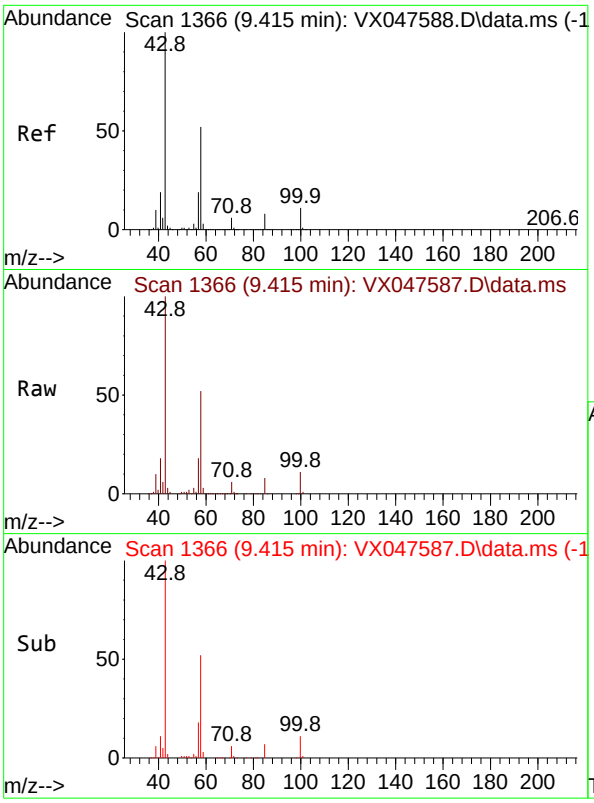


#58
2-Chloroethyl Vinyl ether
Concen: 86.617 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 63 Resp: 141395

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.9	32.9



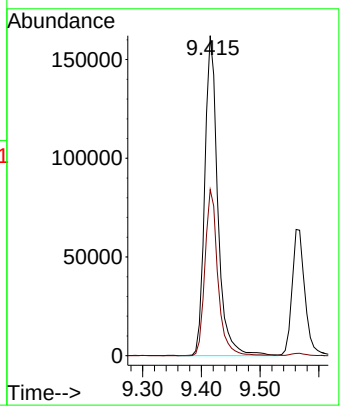


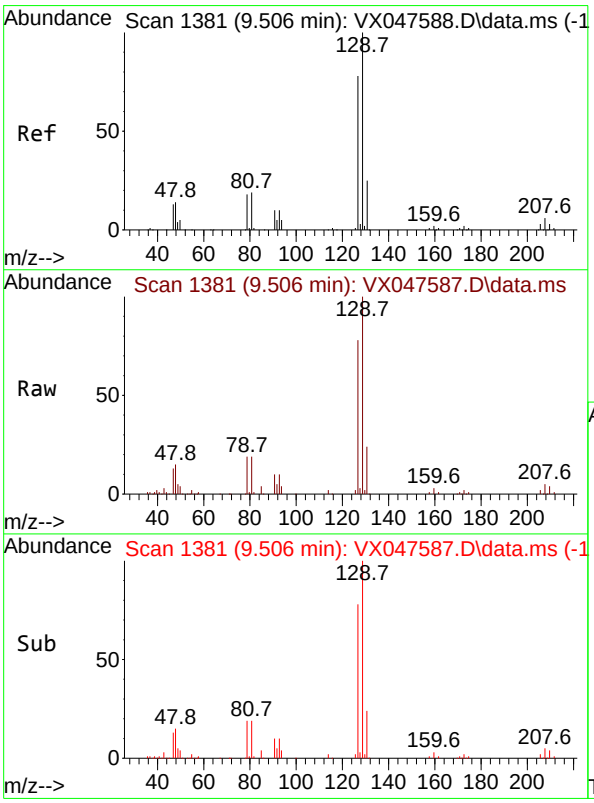
#59
2-Hexanone
Concen: 108.488 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 250007

Ion	Ratio	Lower	Upper
43	100		
58	51.4	26.1	78.2

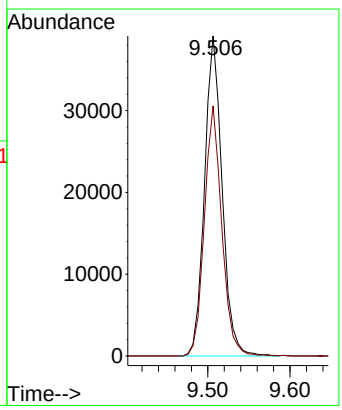


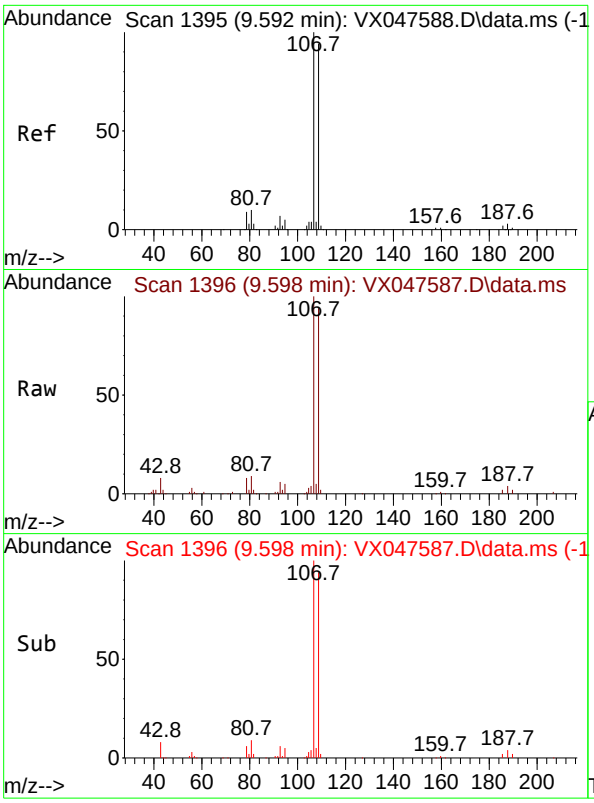


#60
Dibromochloromethane
Concen: 21.167 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:129 Resp: 57994

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.4	115.2



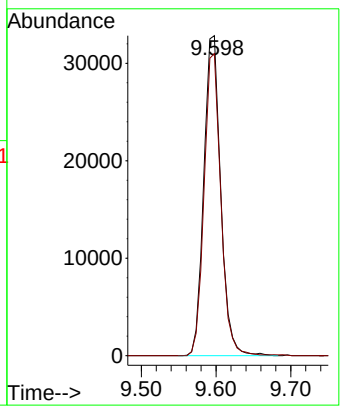


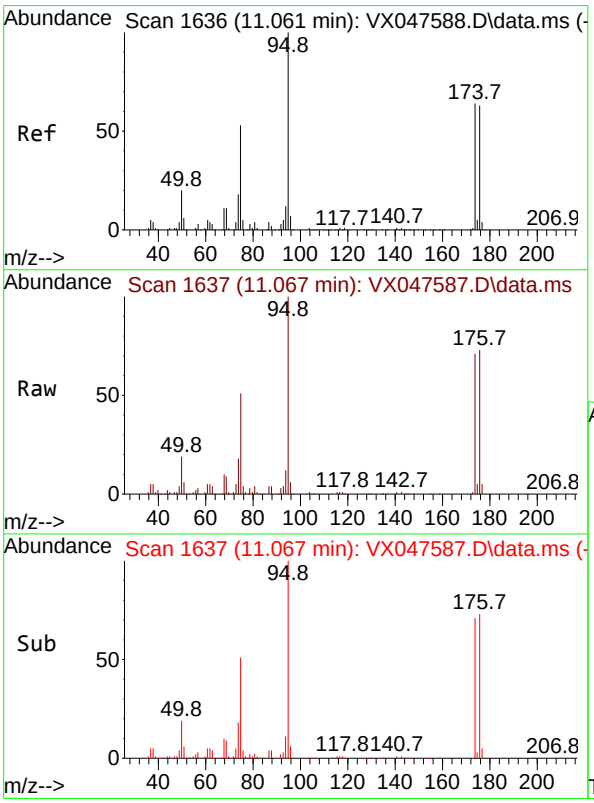
#61
1,2-Dibromoethane
Concen: 21.310 ug/l
RT: 9.598 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 51614

Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.3	112.9

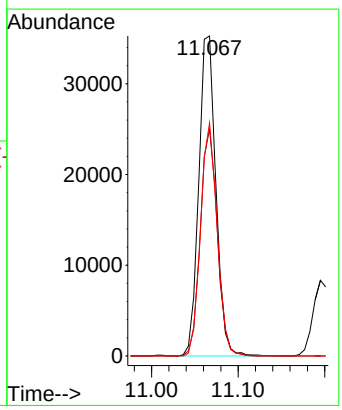


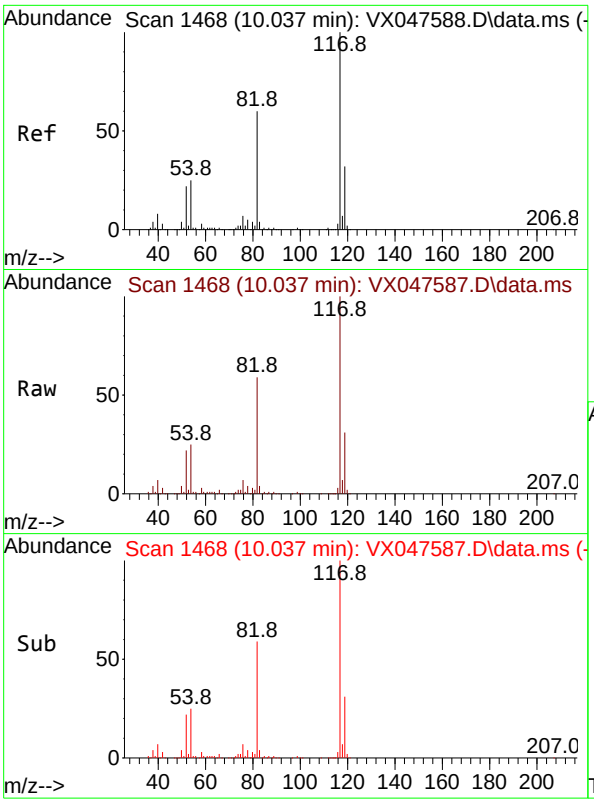


#62
4-Bromofluorobenzene
Concen: 16.360 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 95 Resp: 48454

Ion	Ratio	Lower	Upper
95	100		
174	70.2	0.0	141.6
176	70.3	0.0	138.4



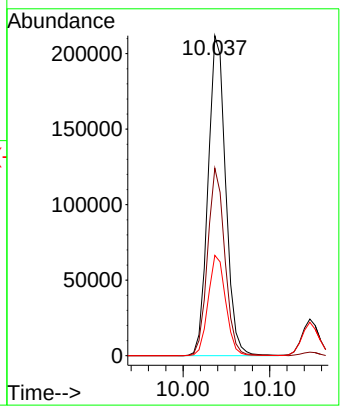


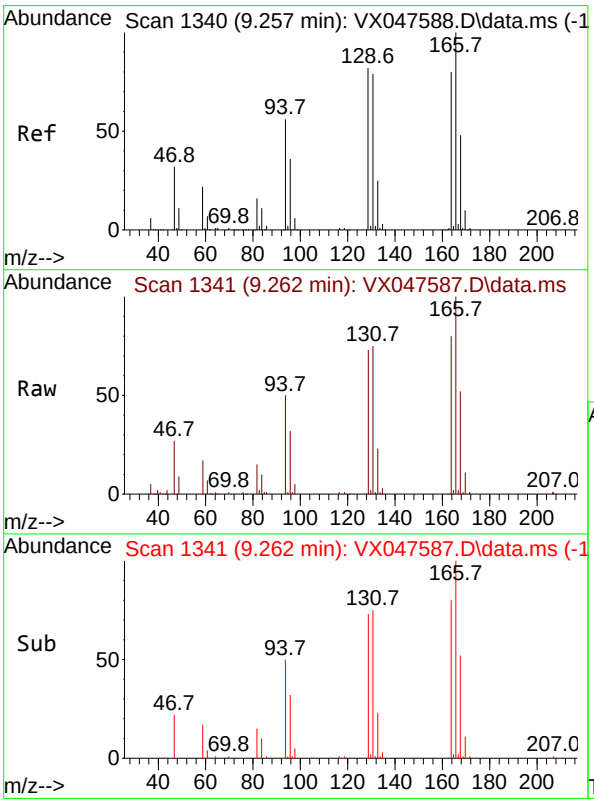
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 298629

Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.8	71.6
119	31.3	25.2	37.8

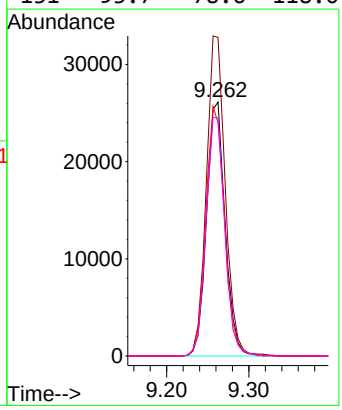


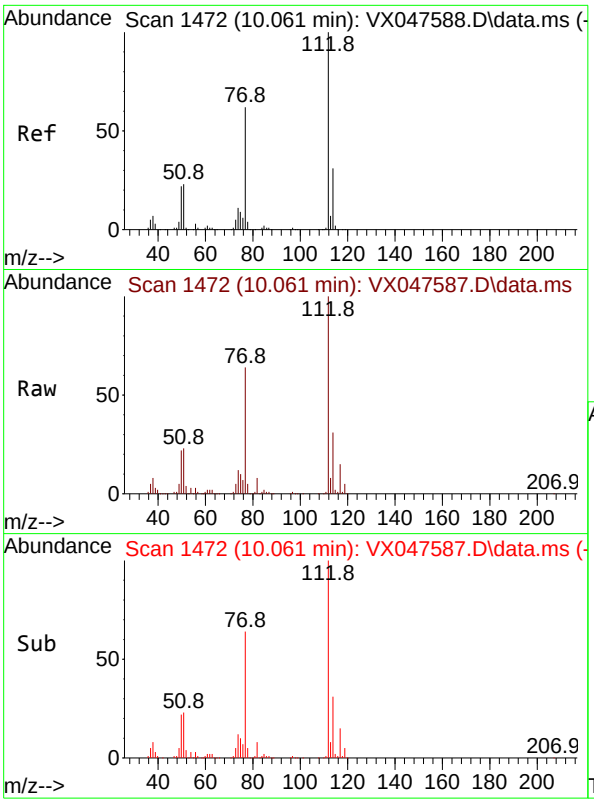


#64
Tetrachloroethene
Concen: 20.979 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:164 Resp: 40840

Ion	Ratio	Lower	Upper
164	100		
166	125.4	100.2	150.2
129	91.8	81.8	122.6
131	93.7	78.6	118.0



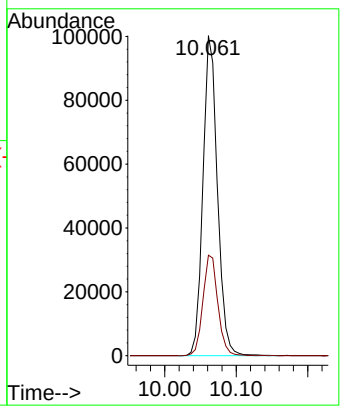


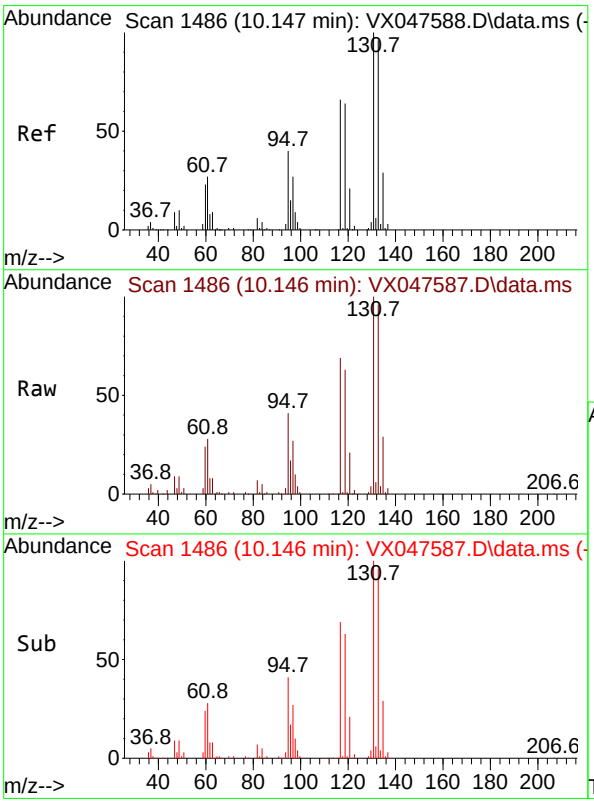
#65
Chlorobenzene
Concen: 20.731 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 140642

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.1	37.7

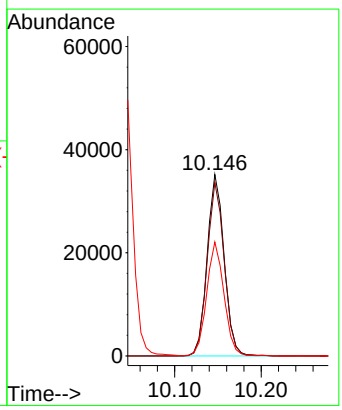


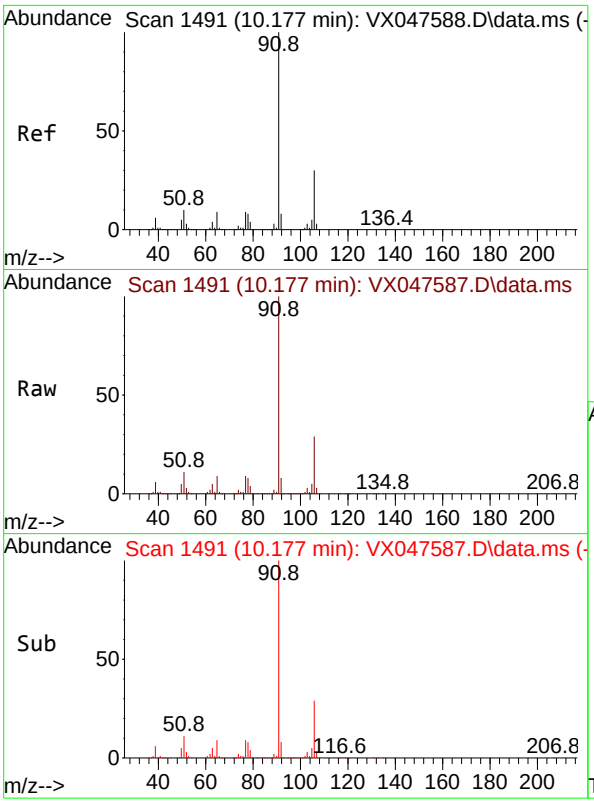


#66
1,1,1,2-Tetrachloroethane
Concen: 20.513 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:131 Resp: 48022

Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.3	142.0
119	63.9	32.0	96.0



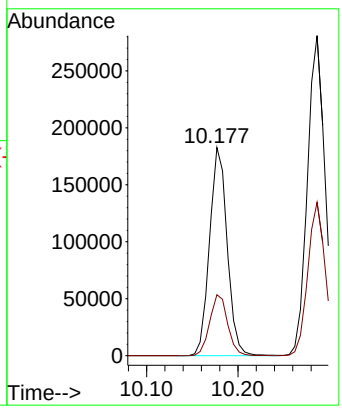


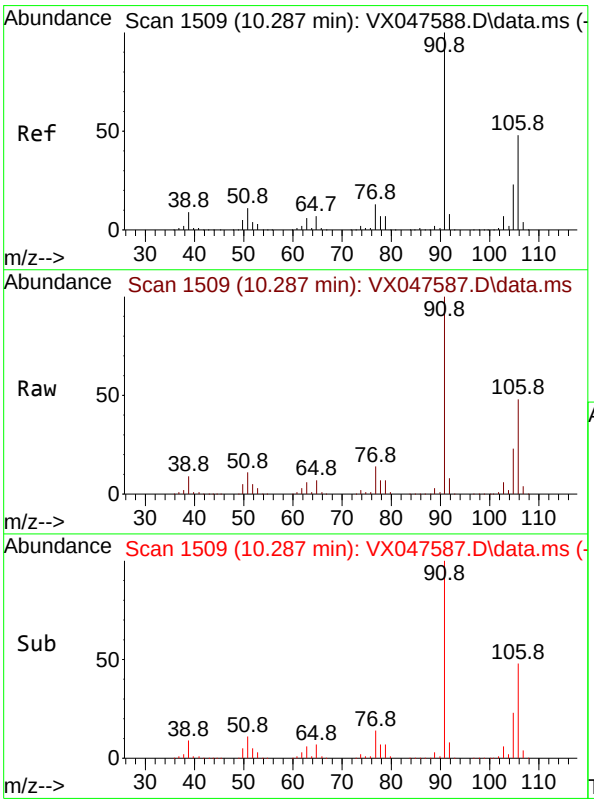
#67
Ethyl Benzene
Concen: 20.907 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 244737

Ion	Ratio	Lower	Upper
91	100		
106	29.3	24.3	36.5

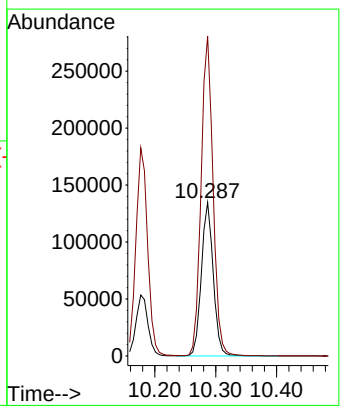


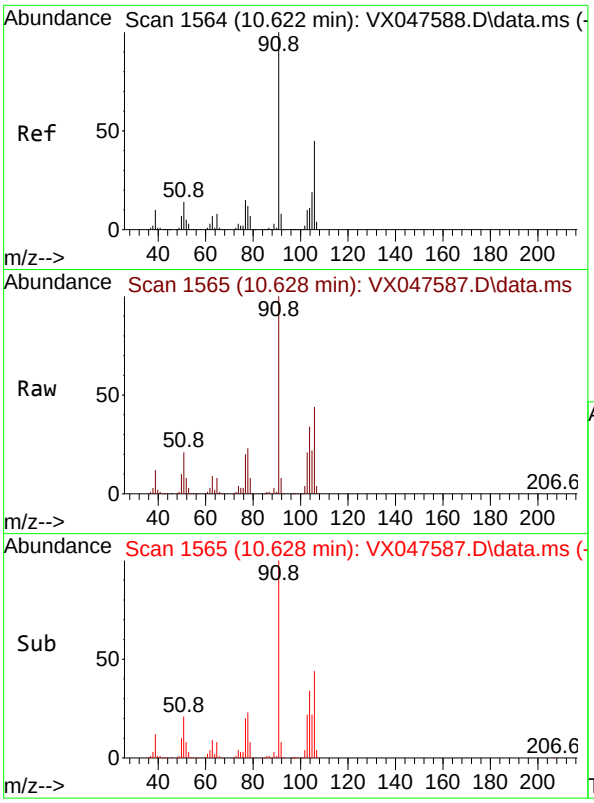


#68
m/p-Xylenes
Concen: 41.951 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:106 Resp: 182778

Ion	Ratio	Lower	Upper
106	100		
91	210.2	167.8	251.8



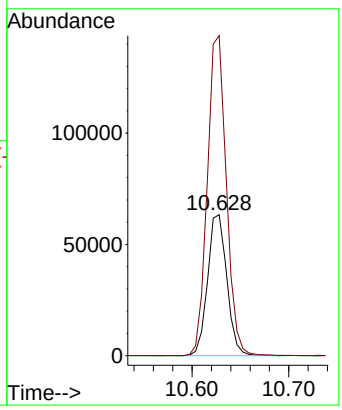


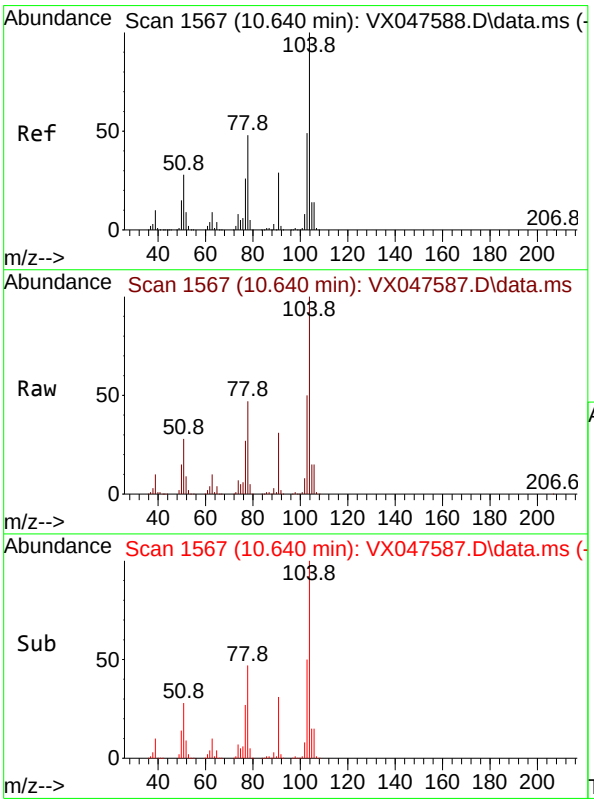
#69
o-Xylene
Concen: 20.799 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 87651

Ion	Ratio	Lower	Upper
106	100		
91	225.3	111.1	333.4

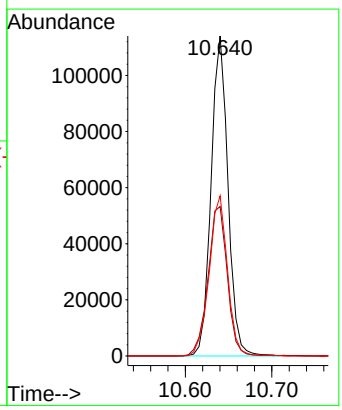


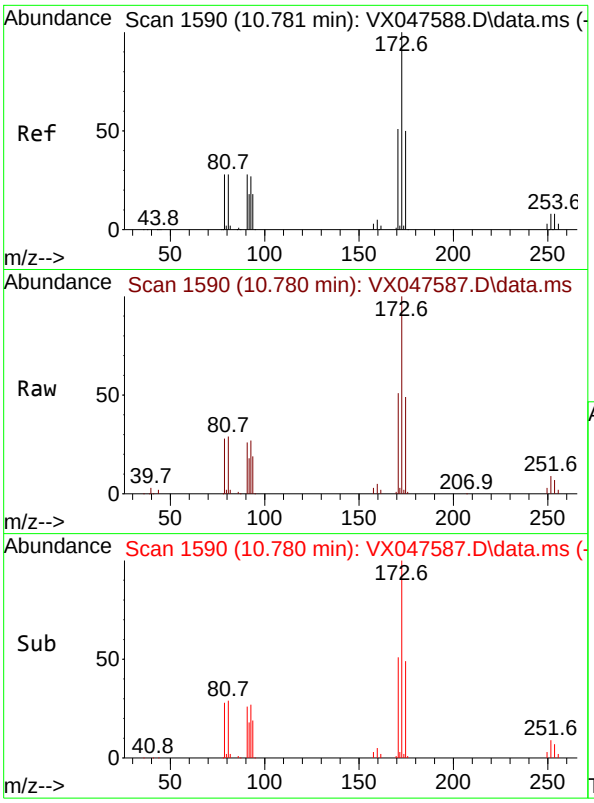


#70
Styrene
Concen: 20.866 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:104 Resp: 154077

Ion	Ratio	Lower	Upper
104	100		
78	53.6	43.1	64.7
103	54.4	43.1	64.7



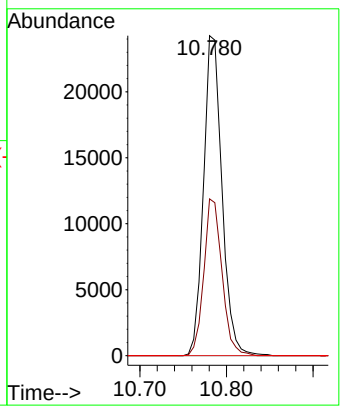


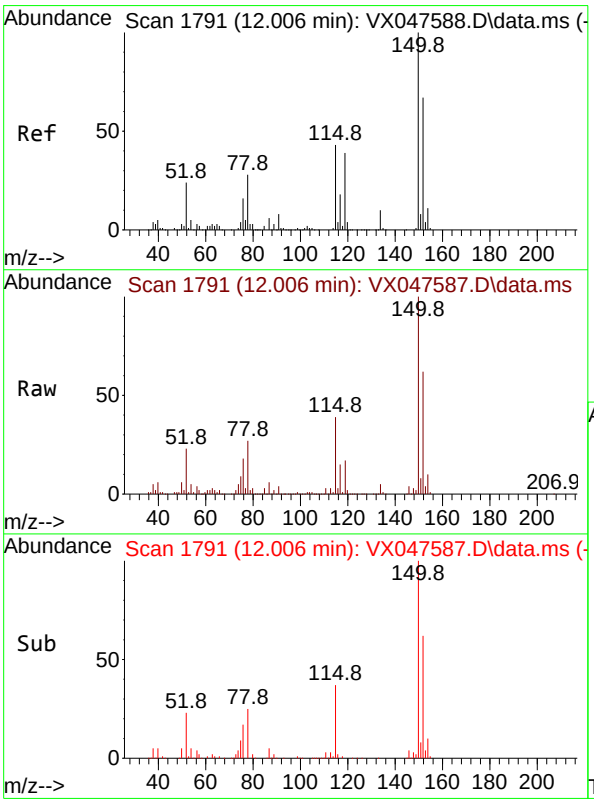
#71
Bromoform
Concen: 20.550 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 35922

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.9	74.6
254	0.0	0.1	0.1#

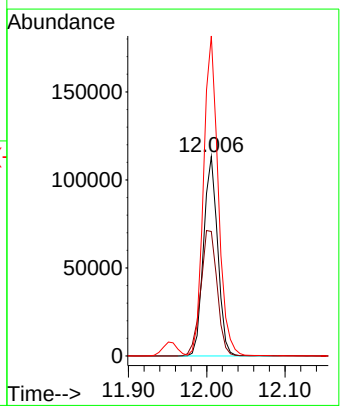


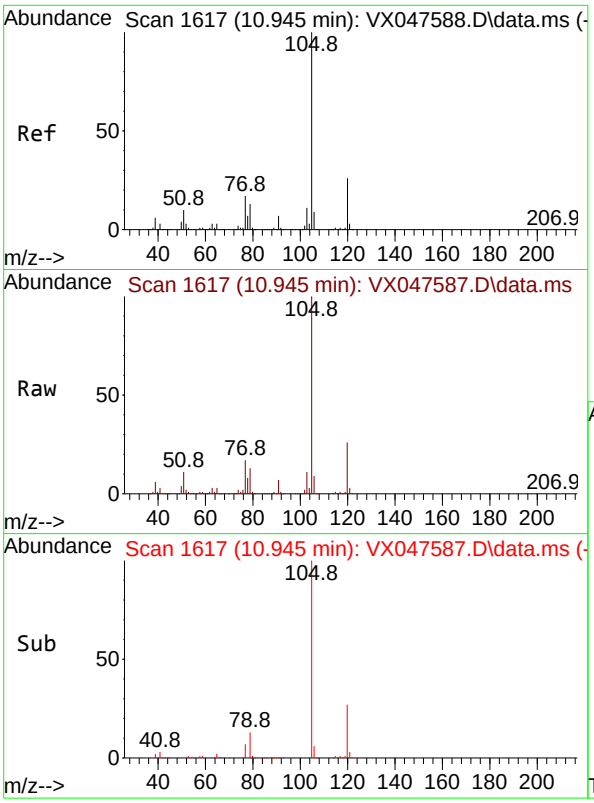


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:152 Resp: 141590

Ion	Ratio	Lower	Upper
152	100		
115	73.2	44.9	134.5
150	167.1	0.0	352.0



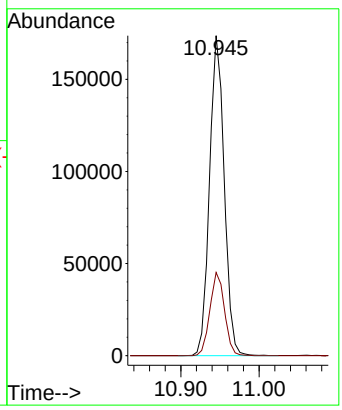


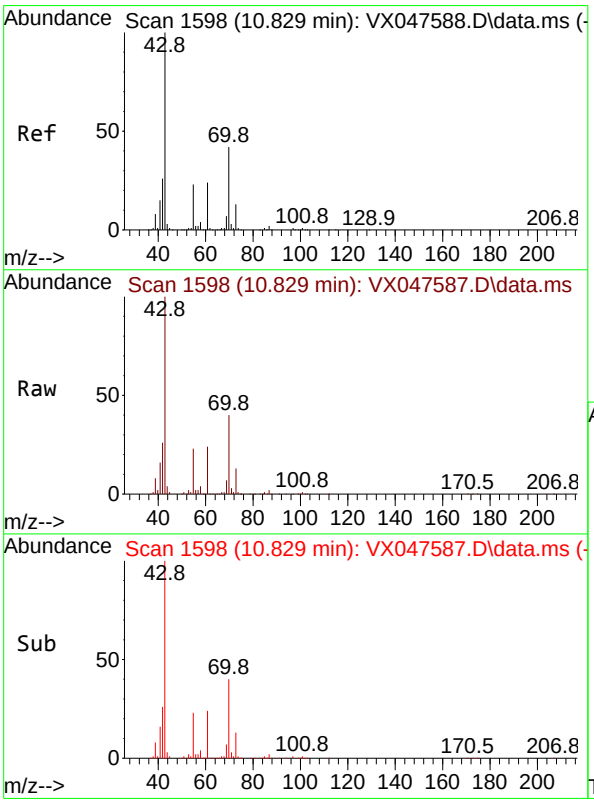
#73
Isopropylbenzene
Concen: 20.970 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 225730

Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.8	38.4

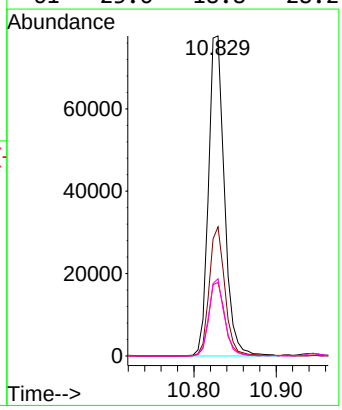


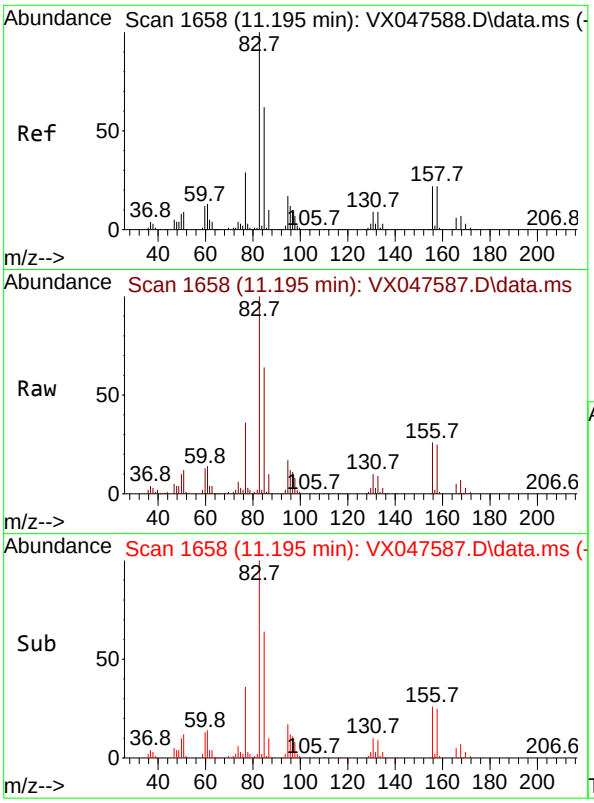


#74
N-amyl acetate
Concen: 21.354 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 104823

Ion	Ratio	Lower	Upper
43	100		
70	39.8	32.0	48.0
55	23.4	18.9	28.3
61	23.6	18.8	28.2



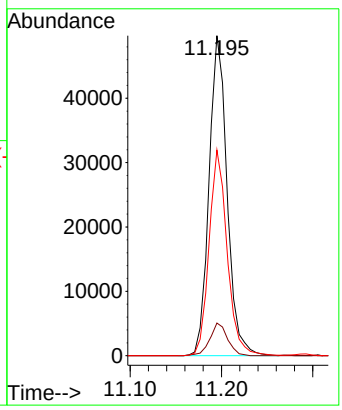


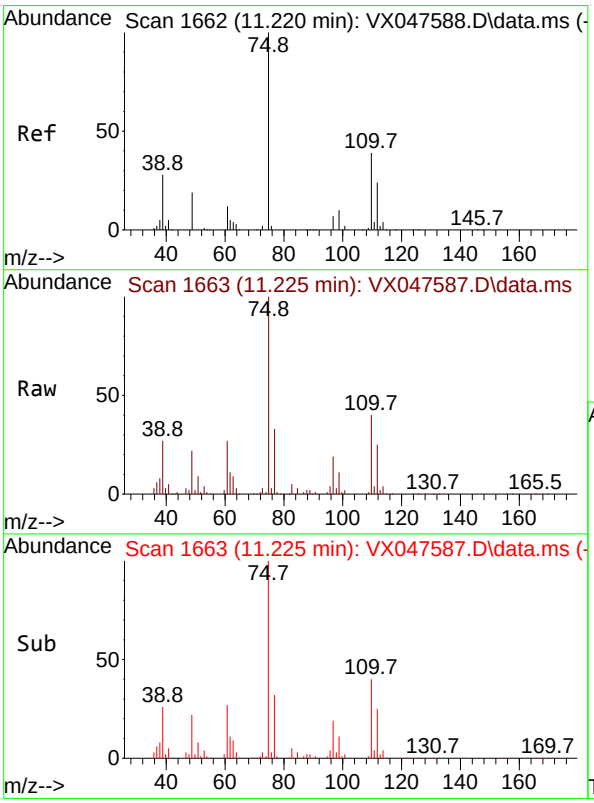
#75
1,1,2,2-Tetrachloroethane
Concen: 20.920 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 68132

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	64.4	31.6	95.0

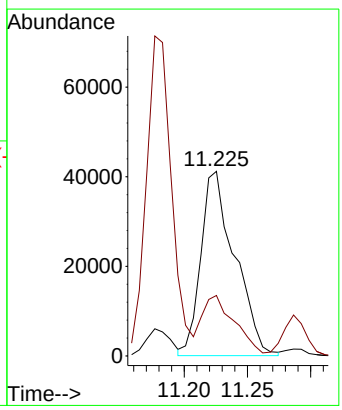


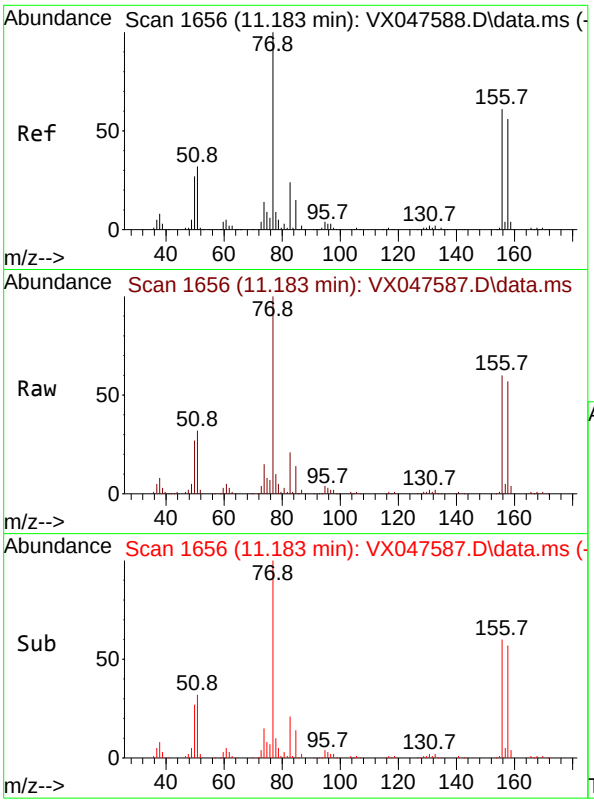


#76
1,2,3-Trichloropropane
Concen: 26.858 ug/l
RT: 11.225 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 76996

Ion	Ratio	Lower	Upper
75	100		
77	31.3	18.8	56.4



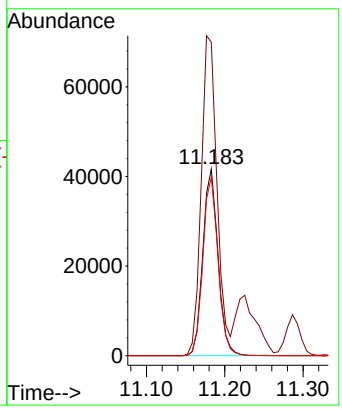


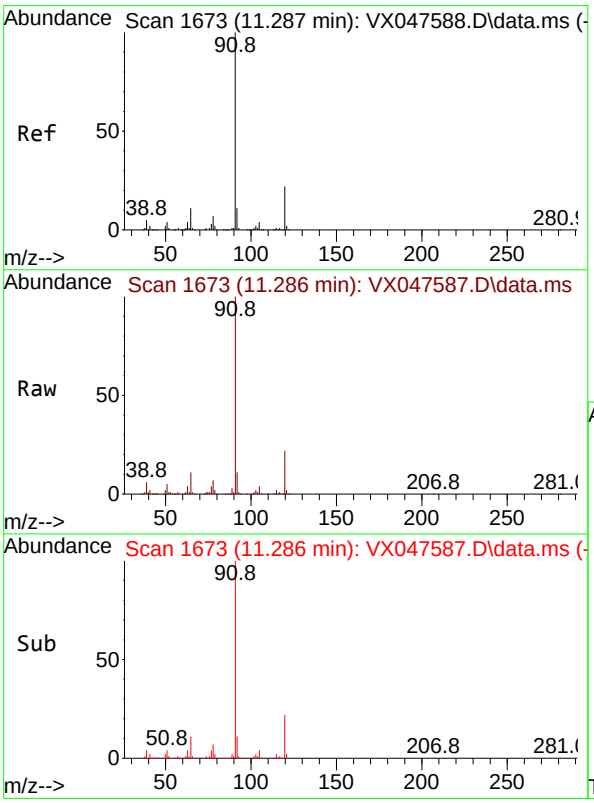
#77
Bromobenzene
Concen: 21.183 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 56161

Ion	Ratio	Lower	Upper
156	100		
77	177.4	89.7	269.1
158	95.2	47.9	143.6

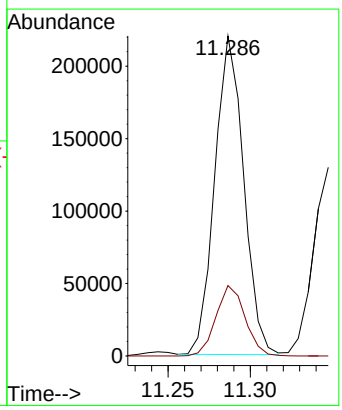


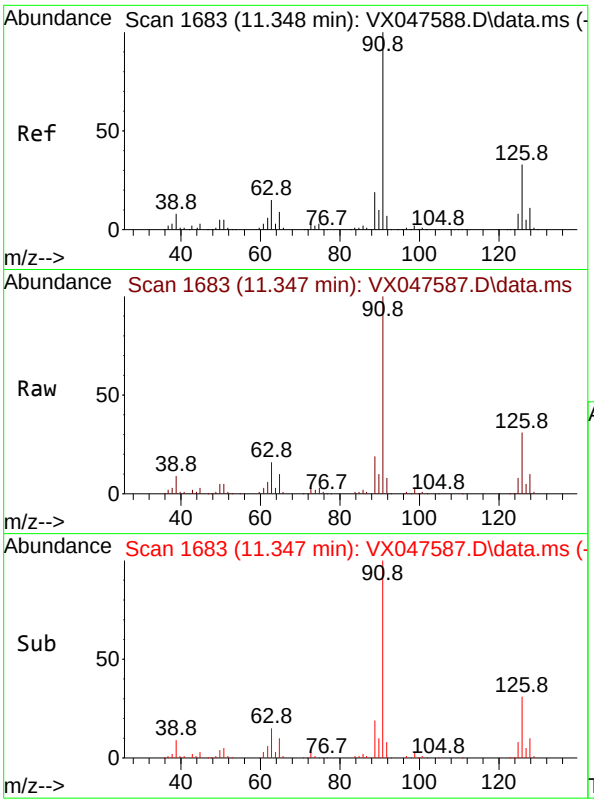


#78
n-propylbenzene
Concen: 21.092 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 268399

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1



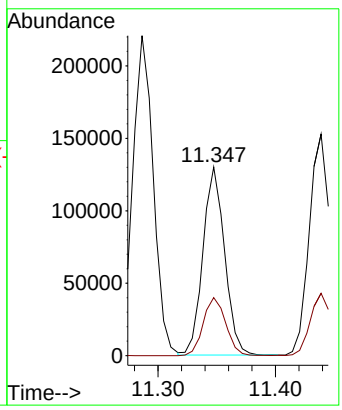


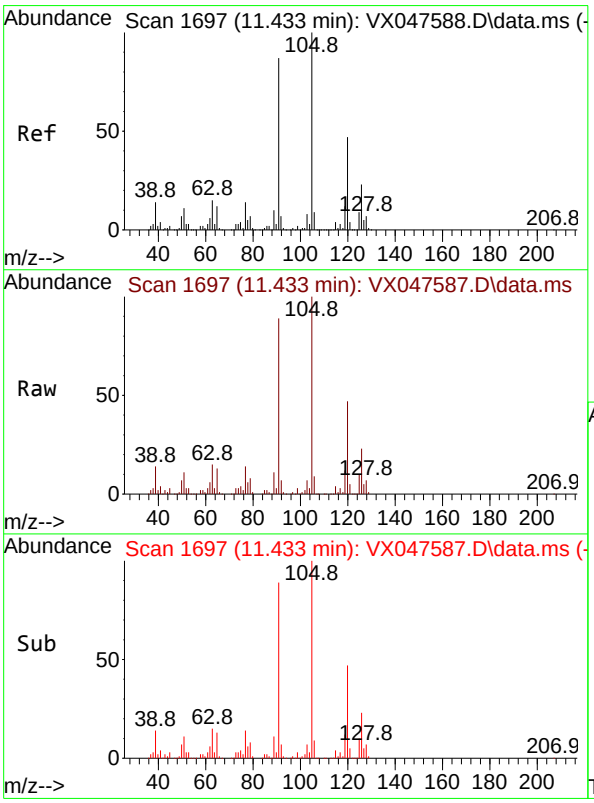
#79
2-Chlorotoluene
Concen: 21.329 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 166237

Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.1	48.3

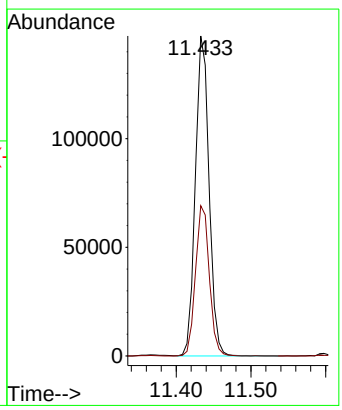


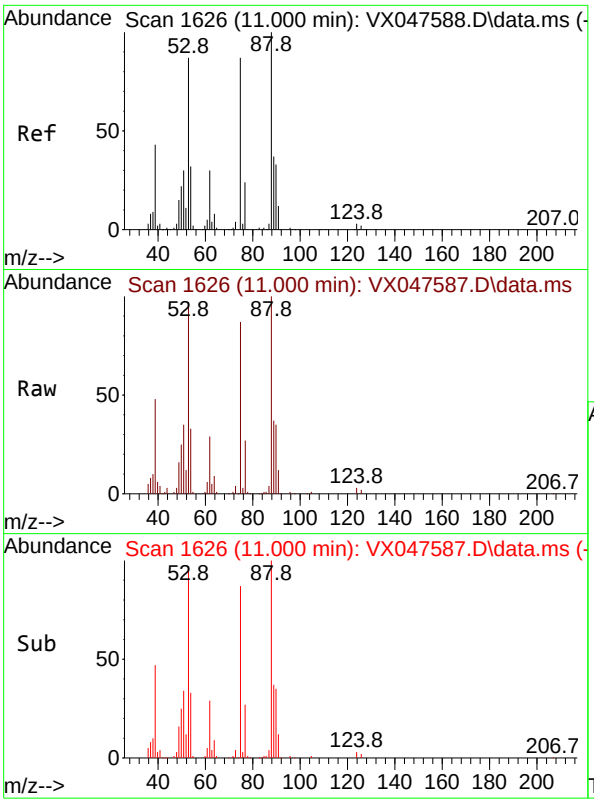


#80
1,3,5-Trimethylbenzene
Concen: 21.202 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:105 Resp: 187513

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.6	70.8



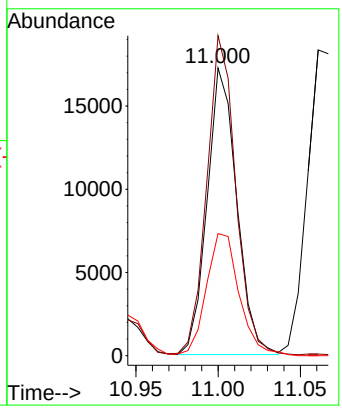


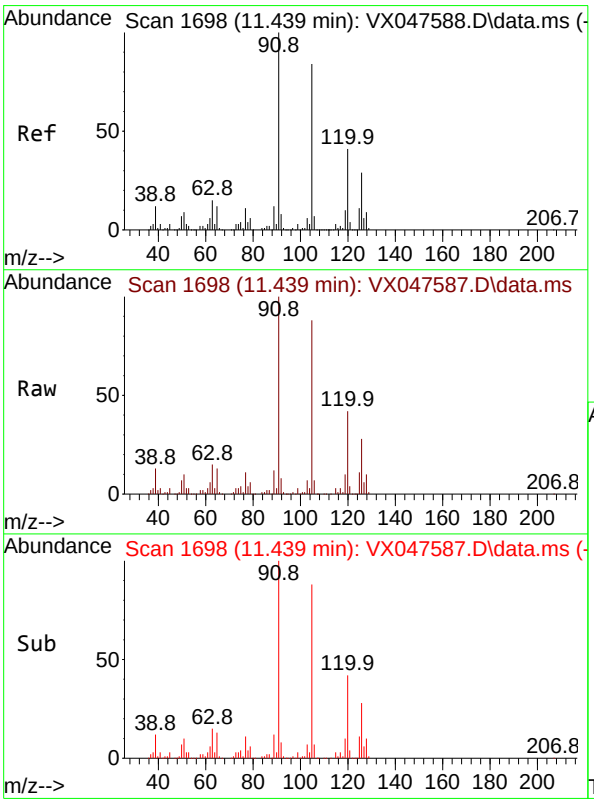
#81
trans-1,4-Dichloro-2-butene
Concen: 19.173 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 21553

Ion	Ratio	Lower	Upper
75	100		
53	109.1	83.4	125.2
89	47.6	36.3	54.5

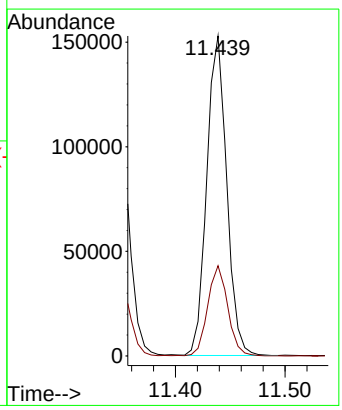


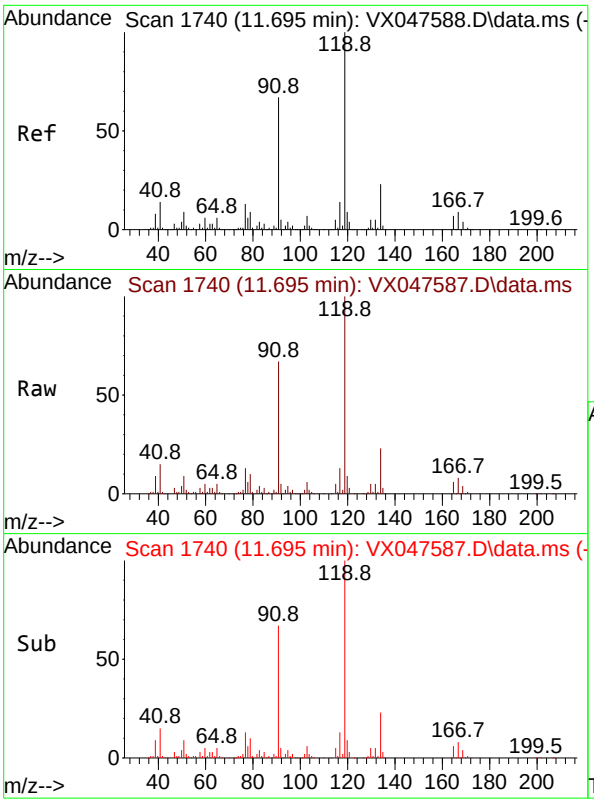


#82
4-Chlorotoluene
Concen: 20.980 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 193122

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.2	42.6



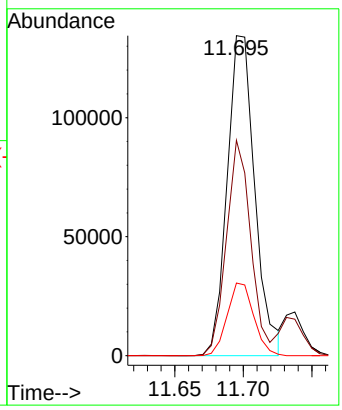


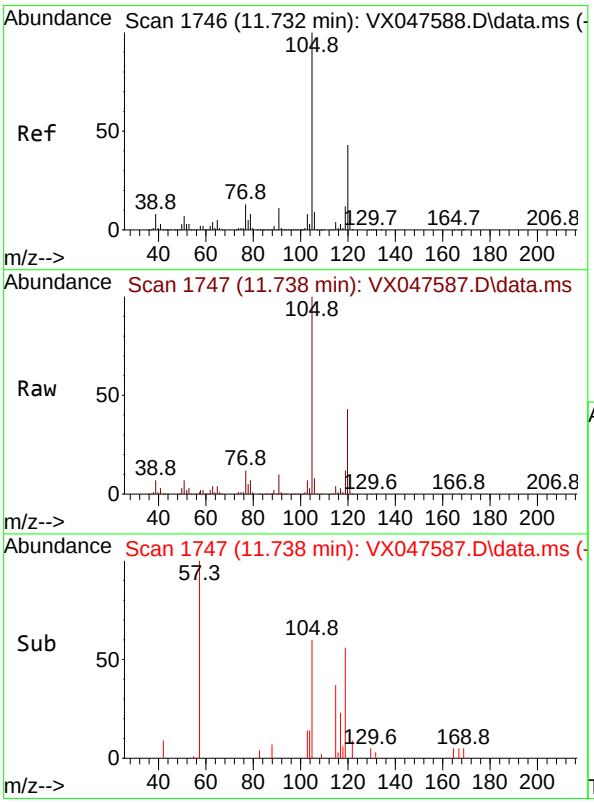
#83
tert-Butylbenzene
Concen: 20.929 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 189484

Ion	Ratio	Lower	Upper
119	100		
91	59.2	29.6	88.8
134	21.8	11.0	33.0

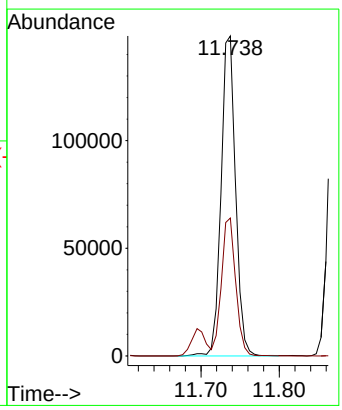


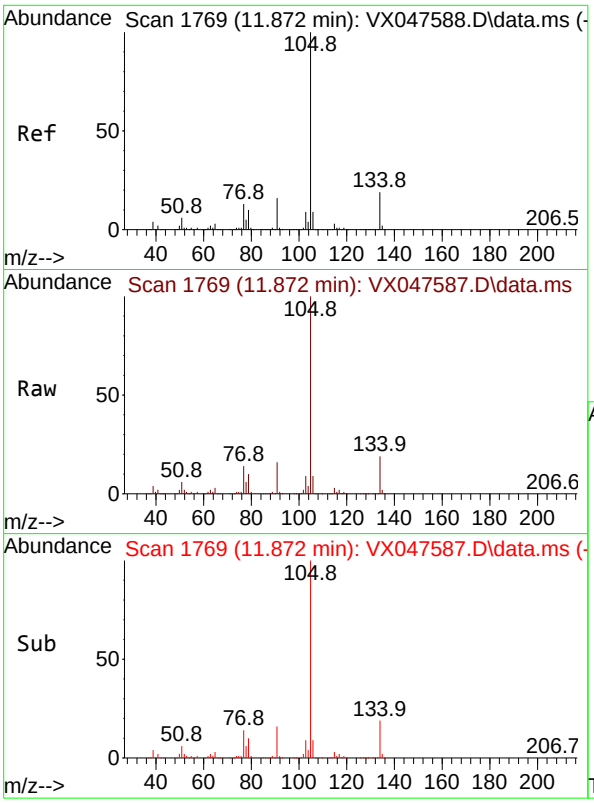


#84
1,2,4-Trimethylbenzene
Concen: 21.355 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:105 Resp: 191477

Ion	Ratio	Lower	Upper
105	100		
120	42.6	22.1	66.1



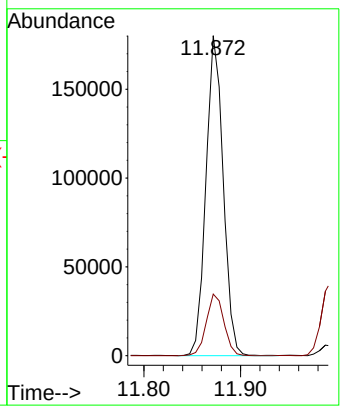


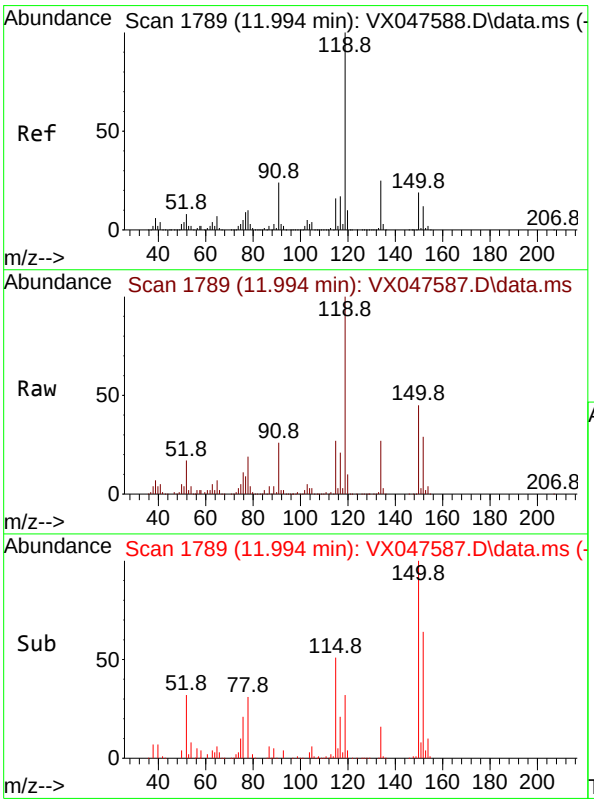
#85
sec-Butylbenzene
Concen: 20.777 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 223434

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

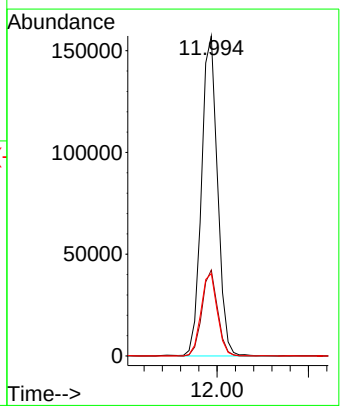


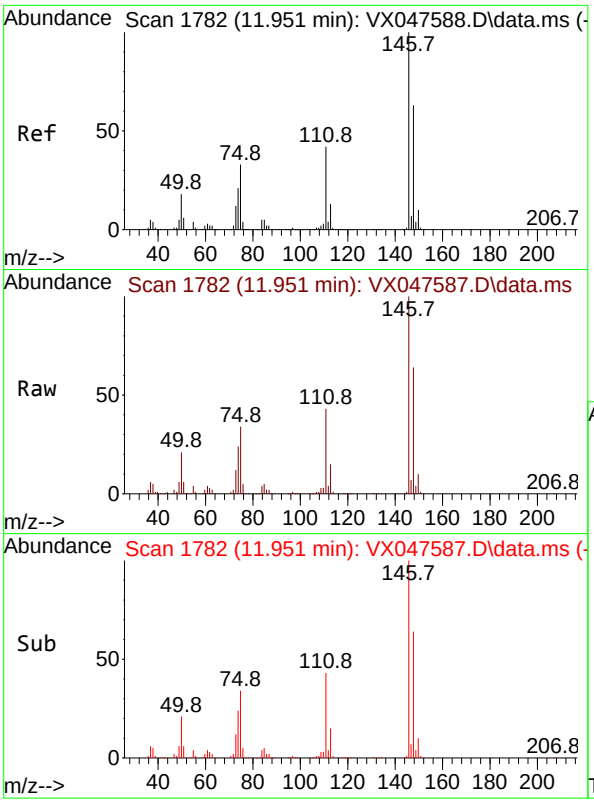


#86
p-Isopropyltoluene
Concen: 20.972 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:119 Resp: 190931

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.6	37.8
91	26.2	12.6	37.6



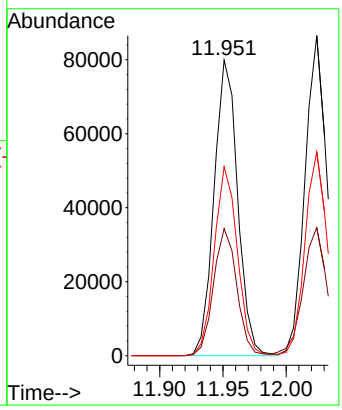


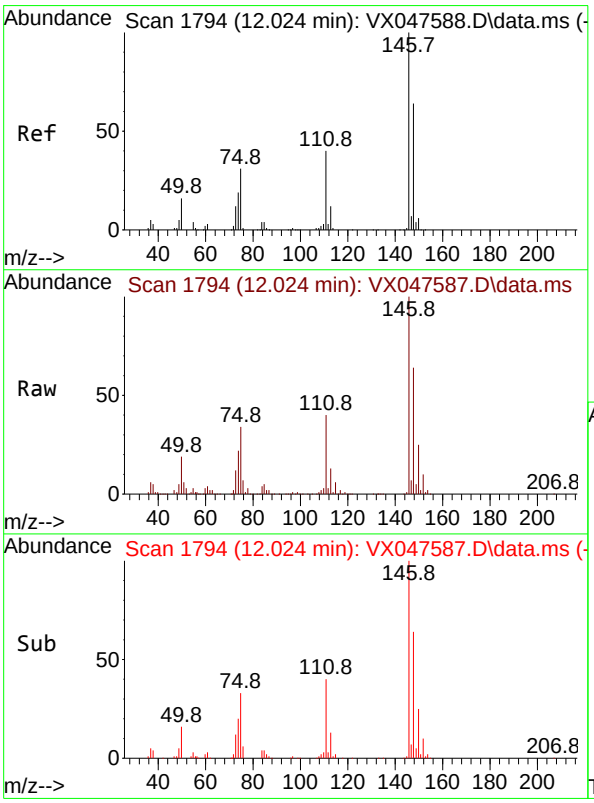
#87
1,3-Dichlorobenzene
Concen: 21.035 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 103584

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.5	64.5
148	62.7	32.0	96.0

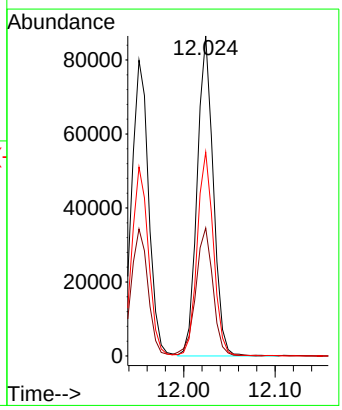


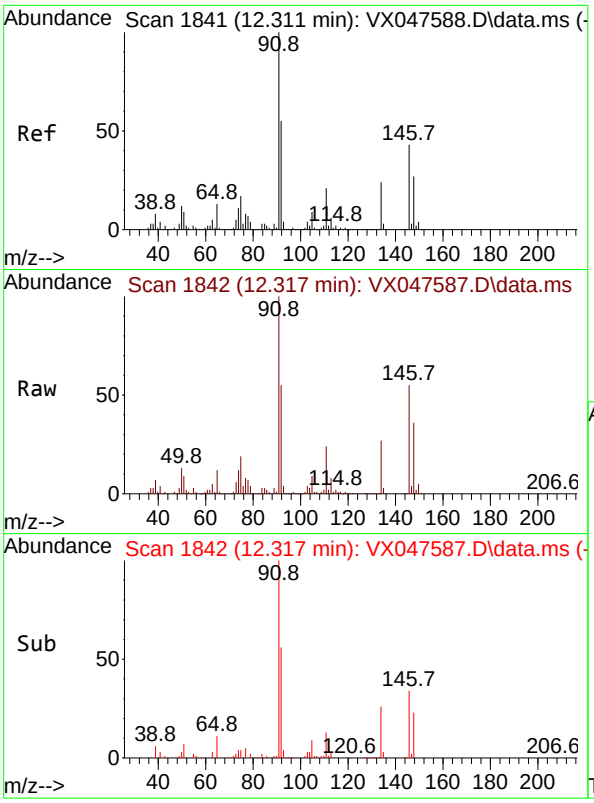


#88
1,4-Dichlorobenzene
Concen: 20.937 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:146 Resp: 105819

Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.8	62.4
148	64.4	31.7	95.1



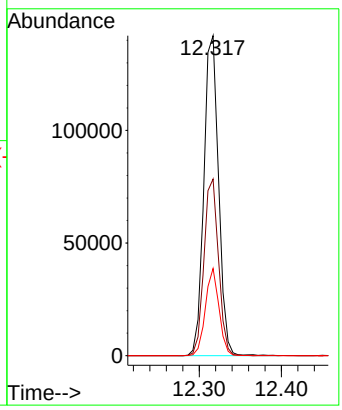


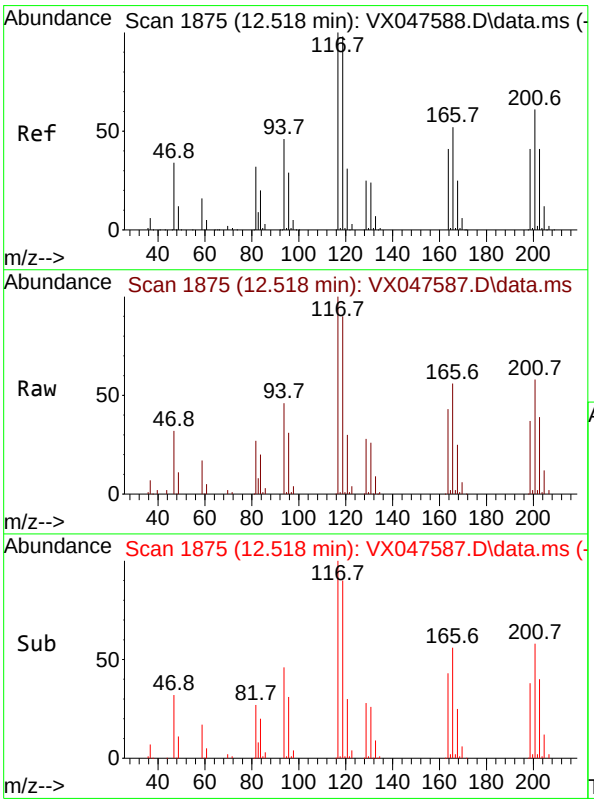
#89
n-Butylbenzene
Concen: 20.937 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 176373

Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.6	82.7
134	25.3	12.6	37.8

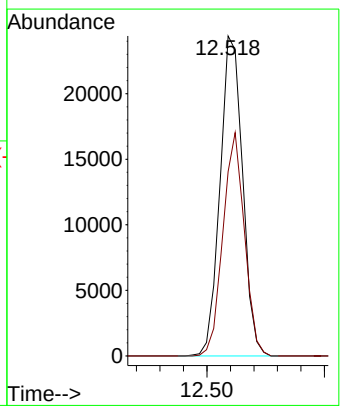


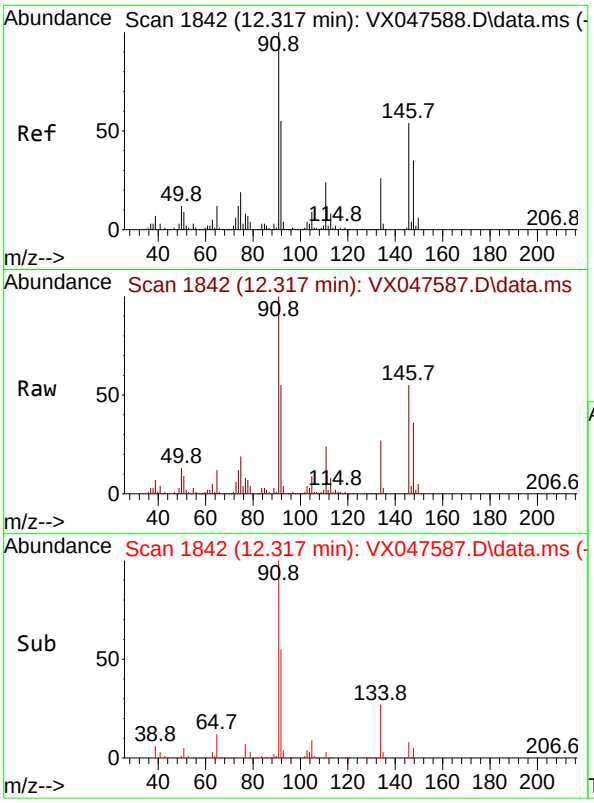


#90
Hexachloroethane
Concen: 20.349 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:117 Resp: 32526

Ion	Ratio	Lower	Upper
117	100		
201	66.6	34.2	102.5



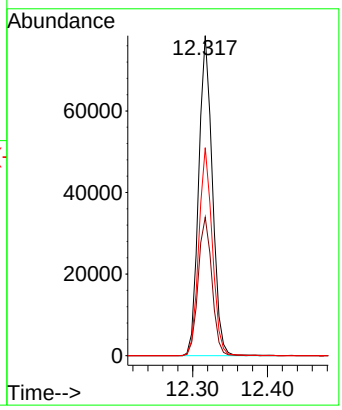


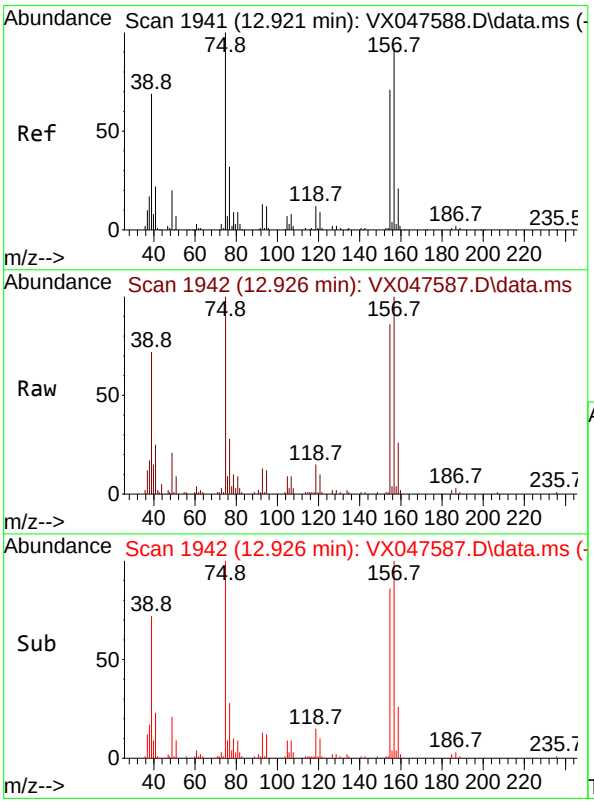
#91
1,2-Dichlorobenzene
Concen: 21.207 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 99493

Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.2	66.6
148	63.9	31.8	95.4

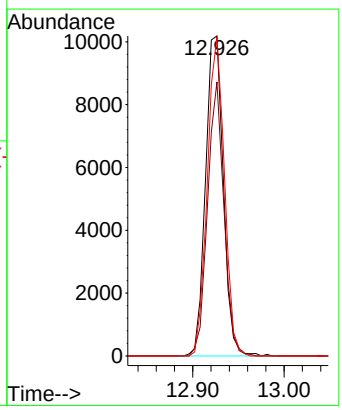


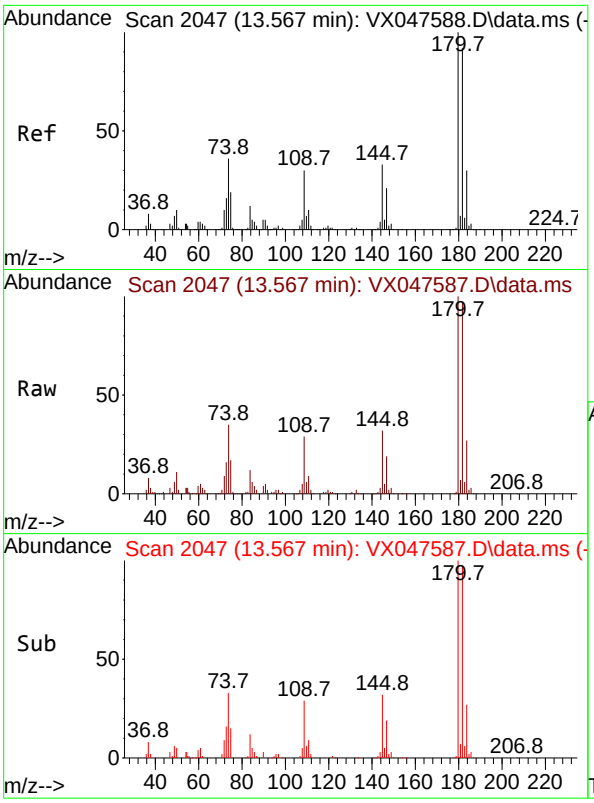


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.821 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 13729

Ion	Ratio	Lower	Upper
75	100		
155	78.8	37.7	113.1
157	95.9	49.8	149.4



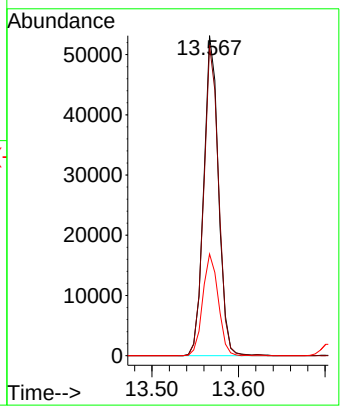


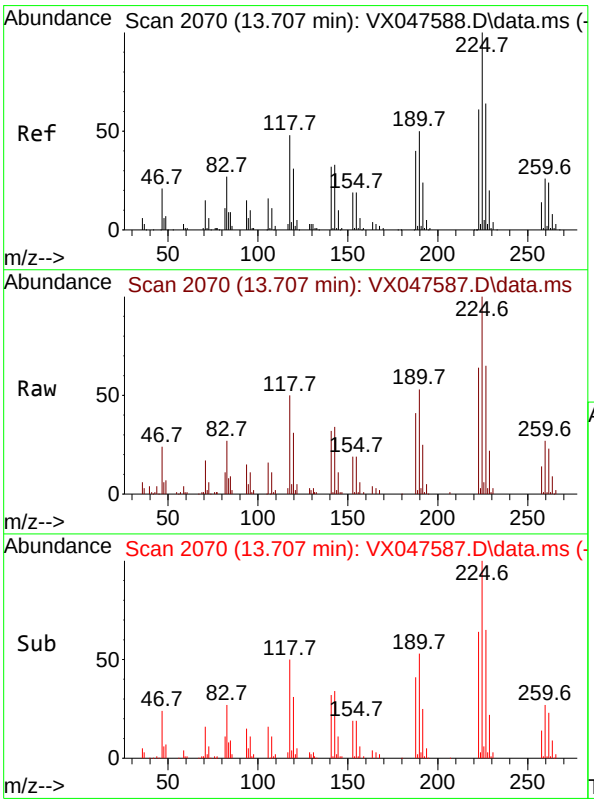
#93
1,2,4-Trichlorobenzene
Concen: 20.571 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 62722

Ion	Ratio	Lower	Upper
180	100		
182	97.8	46.6	139.8
145	33.4	16.4	49.1

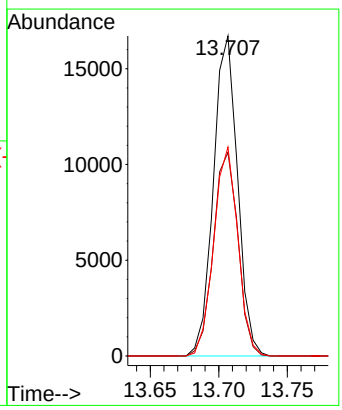


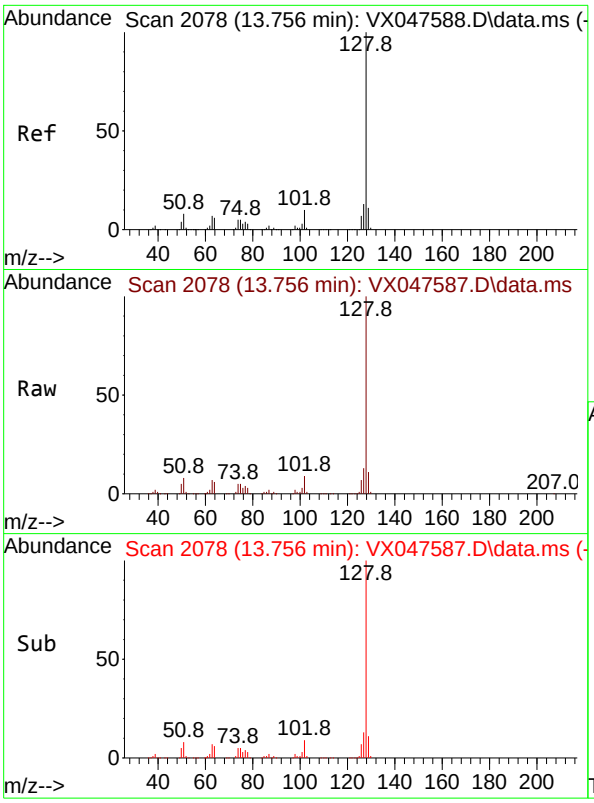


#94
Hexachlorobutadiene
Concen: 19.751 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:225 Resp: 20456

Ion	Ratio	Lower	Upper
225	100		
223	65.0	31.7	95.1
227	65.1	32.0	96.0



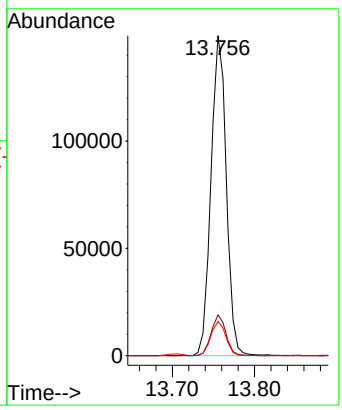


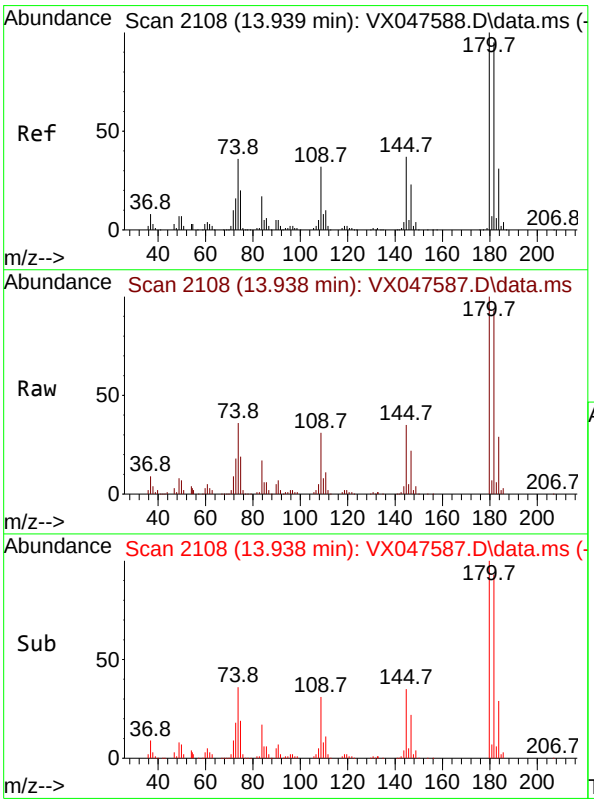
#95
Naphthalene
Concen: 20.801 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 193134

Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.2	15.2
129	10.5	8.8	13.2

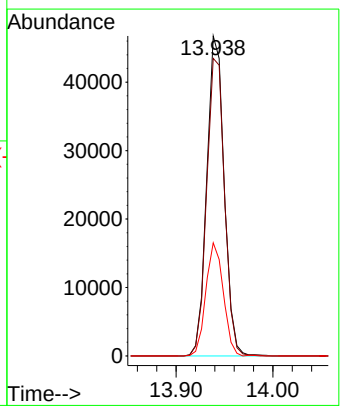




#96
1,2,3-Trichlorobenzene
Concen: 20.593 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:180 Resp: 58409

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.6	142.8
145	35.5	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Sep 22 01:50:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	173407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	307383	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	270040	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	127732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	133606	48.404	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 96.800%			
35) Dibromofluoromethane	5.373	113	101627	49.298	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.600%			
50) Toluene-d8	8.635	98	352578	49.428	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.860%			
62) 4-Bromofluorobenzene	11.061	95	131217	48.471	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	86824	48.352	ug/l	100
3) Chloromethane	1.301	50	114682	48.594	ug/l	100
4) Vinyl Chloride	1.380	62	114666	49.635	ug/l	100
5) Bromomethane	1.618	94	73561	50.216	ug/l	100
6) Chloroethane	1.697	64	76736	49.698	ug/l	100
7) Trichlorofluoromethane	1.898	101	172561	50.307	ug/l	100
8) Diethyl Ether	2.136	74	70874	50.510	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	101178	50.445	ug/l	100
10) Methyl Iodide	2.459	142	158046	50.525	ug/l	100
11) Tert butyl alcohol	2.941	59	77232	251.232	ug/l	100
12) 1,1-Dichloroethene	2.325	96	104724	50.831	ug/l	100
13) Acrolein	2.239	56	70721	249.645	ug/l	100
14) Allyl chloride	2.666	41	210001	49.396	ug/l	100
15) Acrylonitrile	3.063	53	300642	264.027	ug/l	100
16) Acetone	2.374	43	275065	229.193	ug/l	100
17) Carbon Disulfide	2.520	76	271480	48.133	ug/l	100
18) Methyl Acetate	2.703	43	151968	56.897	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	389607	51.804	ug/l	100
20) Methylene Chloride	2.788	84	126506	49.798	ug/l	100
21) trans-1,2-Dichloroethene	3.093	96	112553	50.743	ug/l	100
22) Diisopropyl ether	3.758	45	429524	52.131	ug/l	100
23) Vinyl Acetate	3.715	43	1726735	261.852	ug/l	100
24) 1,1-Dichloroethane	3.605	63	224824	51.338	ug/l	100
25) 2-Butanone	4.538	43	380335	254.060	ug/l	100
26) 2,2-Dichloropropane	4.465	77	185247	50.888	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	140105	51.576	ug/l	100
28) Bromochloromethane	4.891	49	99991	52.301	ug/l	100
29) Tetrahydrofuran	4.989	42	238677	265.026	ug/l	100
30) Chloroform	5.080	83	229430	51.844	ug/l	100
31) Cyclohexane	5.458	56	178546	48.952	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	195407	52.058	ug/l	100
36) 1,1-Dichloropropene	5.684	75	149800	49.729	ug/l	100
37) Ethyl Acetate	4.702	43	163482	50.687	ug/l	100
38) Carbon Tetrachloride	5.672	117	165730	50.637	ug/l	100
39) Methylcyclohexane	7.367	83	173610	50.773	ug/l	100
40) Benzene	6.025	78	468136	51.167	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Sep 22 01:50:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.904	41	87761	52.707	ug/l		100
42) 1,2-Dichloroethane	6.074	62	179037	51.431	ug/l		100
43) Isopropyl Acetate	6.324	43	275572	52.096	ug/l		100
44) Trichloroethene	7.111	130	113832	51.463	ug/l		100
45) 1,2-Dichloropropane	7.415	63	122109	52.122	ug/l		100
46) Dibromomethane	7.568	93	88505	51.914	ug/l		100
47) Bromodichloromethane	7.806	83	186540	53.025	ug/l		100
48) Methyl methacrylate	7.678	41	138167	52.438	ug/l		100
49) 1,4-Dioxane	7.647	88	29496	1107.698	ug/l		100
51) 4-Methyl-2-Pentanone	8.562	43	784978	267.650	ug/l		100
52) Toluene	8.702	92	288853	51.244	ug/l		100
53) t-1,3-Dichloropropene	8.964	75	190282	53.027	ug/l		100
54) cis-1,3-Dichloropropene	8.354	75	200859	52.369	ug/l		100
55) 1,1,2-Trichloroethane	9.135	97	112837	51.915	ug/l		100
56) Ethyl methacrylate	9.104	69	184087	53.930	ug/l		100
57) 1,3-Dichloropropane	9.293	76	195989	52.492	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	418707	256.309	ug/l		100
59) 2-Hexanone	9.415	43	553313	262.683	ug/l		100
60) Dibromochloromethane	9.506	129	133737	53.401	ug/l		100
61) 1,2-Dibromoethane	9.592	107	116462	52.607	ug/l		100
64) Tetrachloroethene	9.257	164	88149	50.074	ug/l		100
65) Chlorobenzene	10.061	112	317982	51.833	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.147	131	111849	52.835	ug/l		100
67) Ethyl Benzene	10.177	91	550610	52.017	ug/l		100
68) m/p-Xylenes	10.287	106	412932	104.809	ug/l		100
69) o-Xylene	10.622	106	202291	53.084	ug/l		100
70) Styrene	10.640	104	350654	52.515	ug/l		100
71) Bromoform	10.781	173	84485	53.447	ug/l	#	100
73) Isopropylbenzene	10.945	105	516891	53.227	ug/l		100
74) N-amyl acetate	10.829	43	237846	53.710	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	156454	53.251	ug/l		100
76) 1,2,3-Trichloropropane	11.220	75	178309	68.947	ug/l		88
77) Bromobenzene	11.183	156	126174	52.754	ug/l		100
78) n-propylbenzene	11.287	91	612035	53.315	ug/l		100
79) 2-Chlorotoluene	11.348	91	372397	52.965	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	426989	53.518	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	52927	52.190	ug/l		100
82) 4-Chlorotoluene	11.439	91	438502	52.806	ug/l		100
83) tert-Butylbenzene	11.695	119	429107	52.539	ug/l		100
84) 1,2,4-Trimethylbenzene	11.732	105	427073	52.798	ug/l		100
85) sec-Butylbenzene	11.872	105	514442	53.029	ug/l		100
86) p-Isopropyltoluene	11.994	119	436704	53.172	ug/l		100
87) 1,3-Dichlorobenzene	11.951	146	232038	52.232	ug/l		100
88) 1,4-Dichlorobenzene	12.024	146	233975	51.316	ug/l		100
89) n-Butylbenzene	12.311	91	400997	52.766	ug/l		100
90) Hexachloroethane	12.518	117	75800	52.567	ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	222993	52.688	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.921	75	32451	54.554	ug/l		100
93) 1,2,4-Trichlorobenzene	13.567	180	147670	53.685	ug/l		100
94) Hexachlorobutadiene	13.707	225	49061	52.510	ug/l		100
95) Naphthalene	13.756	128	452013	53.966	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	138978	54.316	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Sep 22 01:50:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

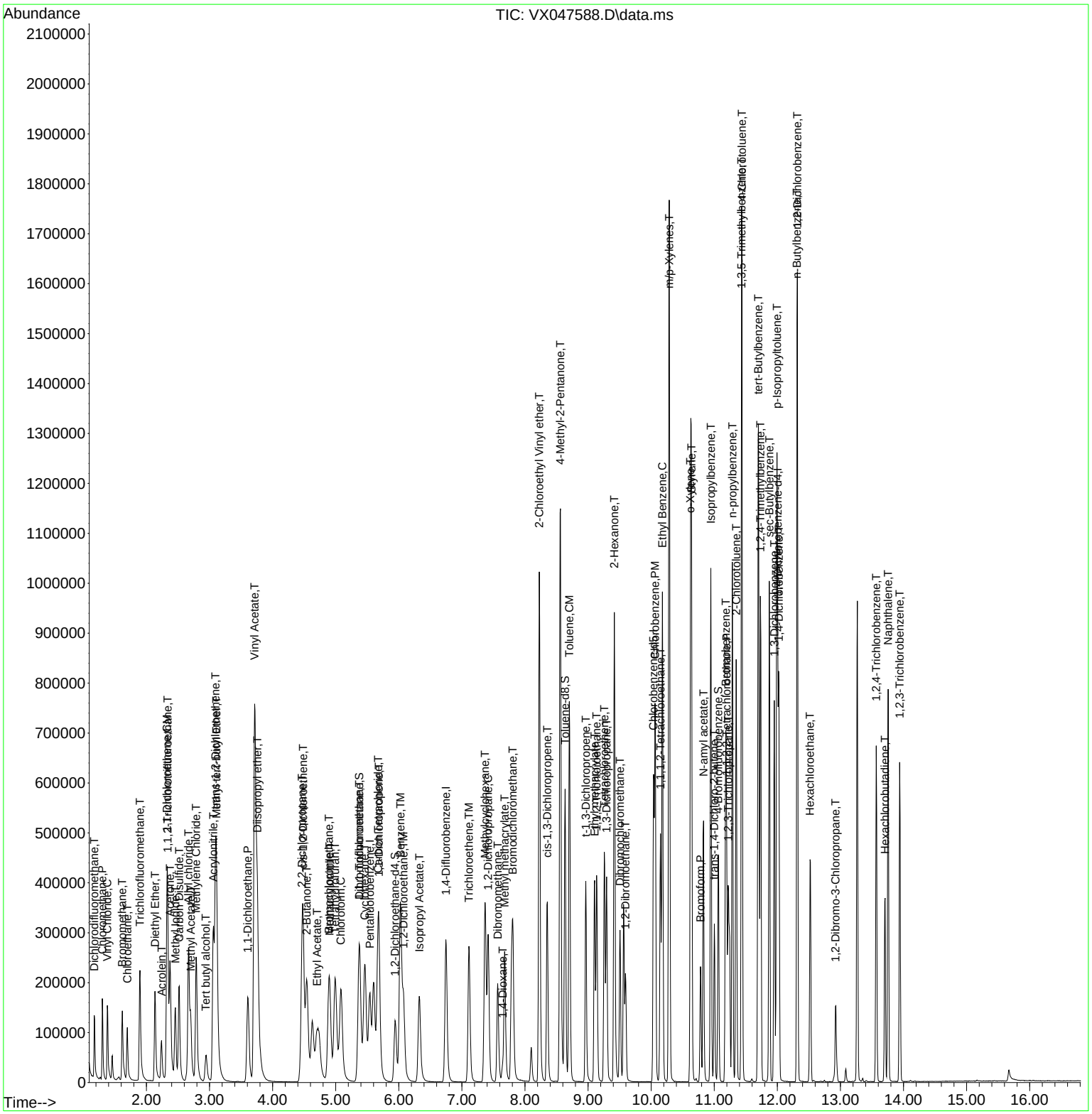
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

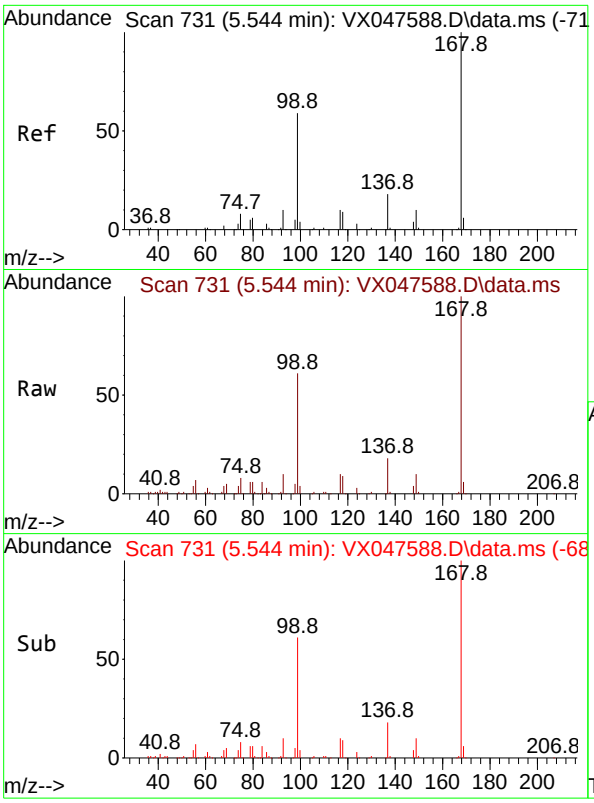
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Sep 22 01:50:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



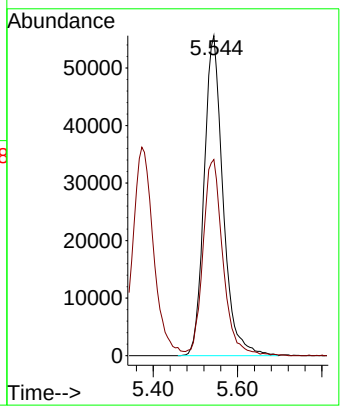


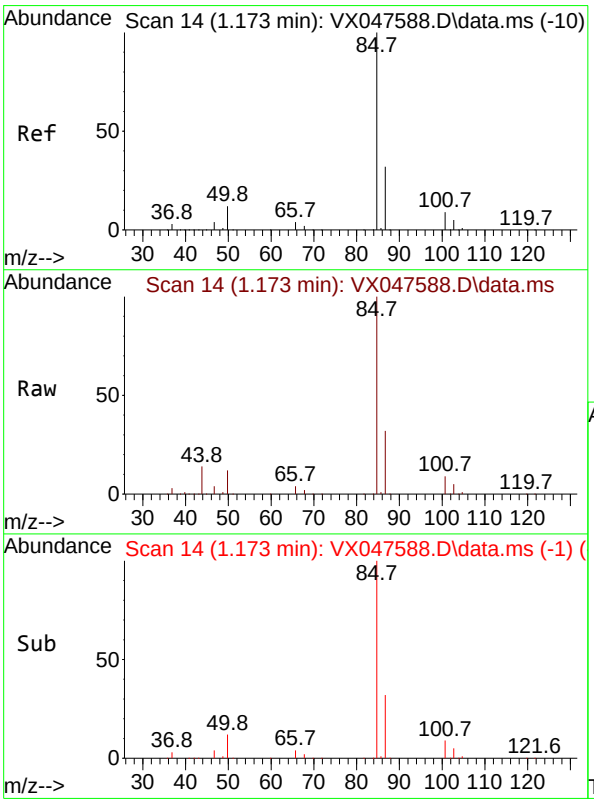
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 173407

Ion	Ratio	Lower	Upper
168	100		
99	61.0	48.8	73.2

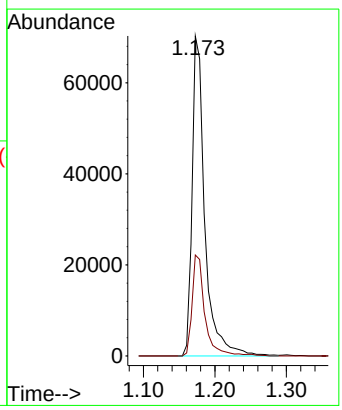


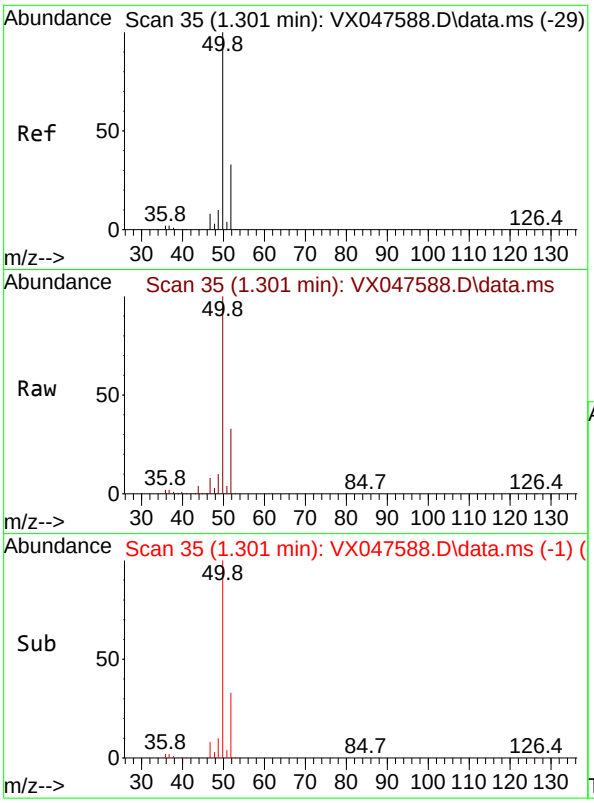


#2
Dichlorodifluoromethane
Concen: 48.352 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 85 Resp: 86824

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.8	47.3



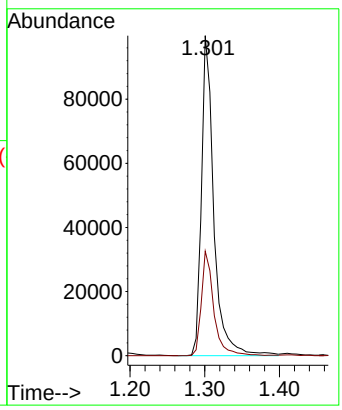


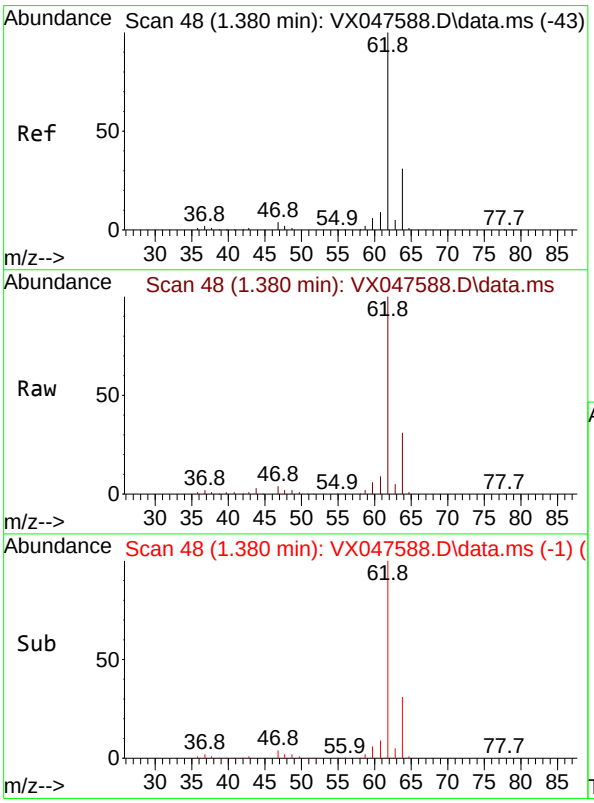
#3
Chloromethane
Concen: 48.594 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 114682

Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.1	39.1

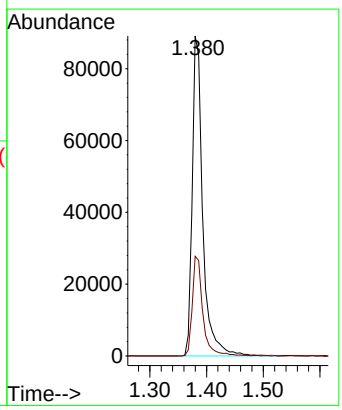


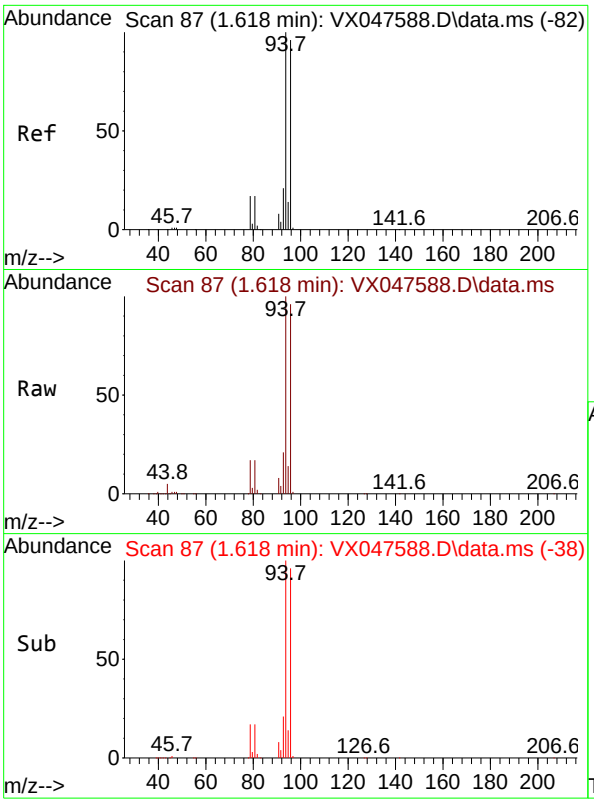


#4
Vinyl Chloride
Concen: 49.635 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 62 Resp: 114666

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.9	37.3



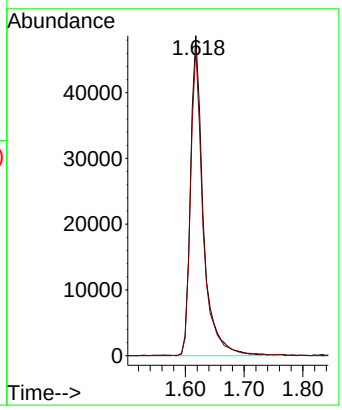


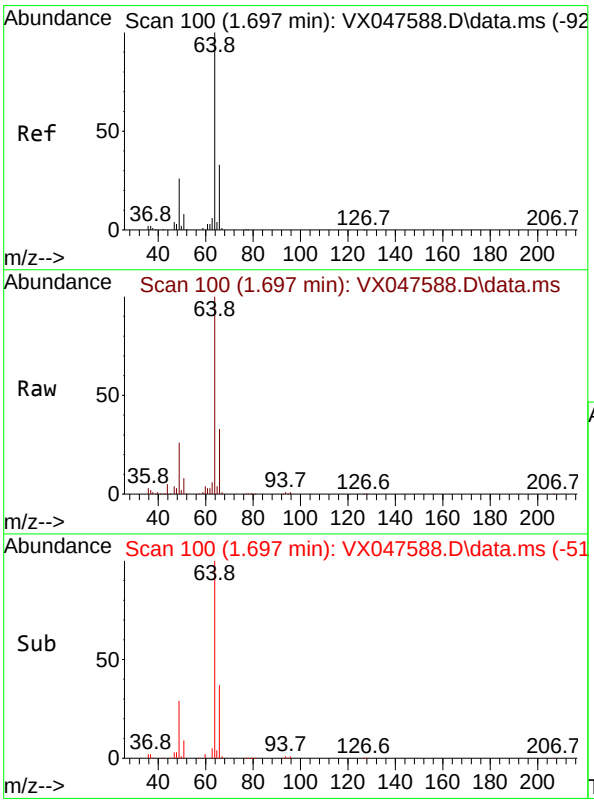
#5
Bromomethane
Concen: 50.216 ug/l
RT: 1.618 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 73561

Ion	Ratio	Lower	Upper
94	100		
96	95.8	76.6	115.0

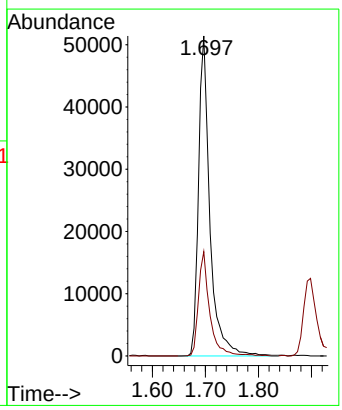


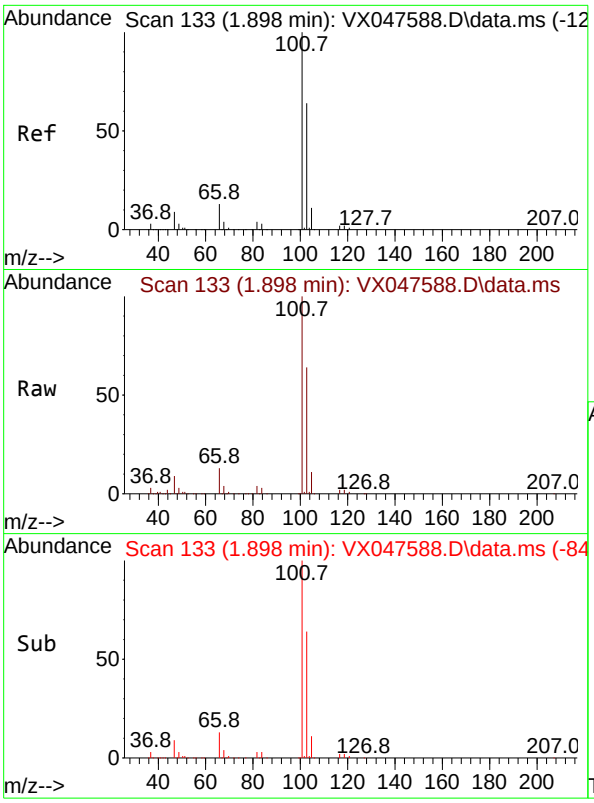


#6
Chloroethane
Concen: 49.698 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 64 Resp: 76736

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.1	39.1



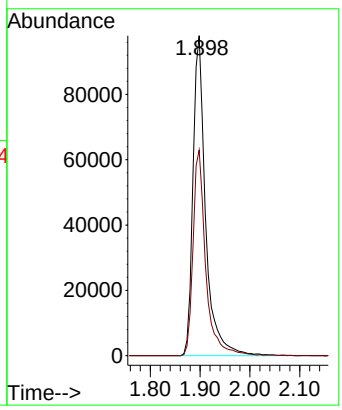


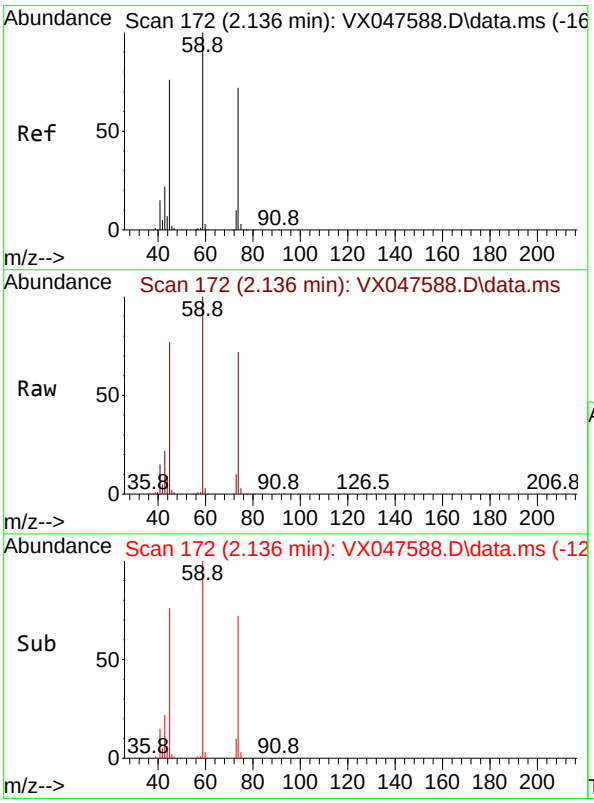
#7
Trichlorofluoromethane
Concen: 50.307 ug/l
RT: 1.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 172561

Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.4	77.2

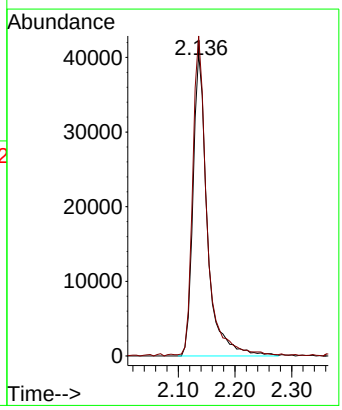


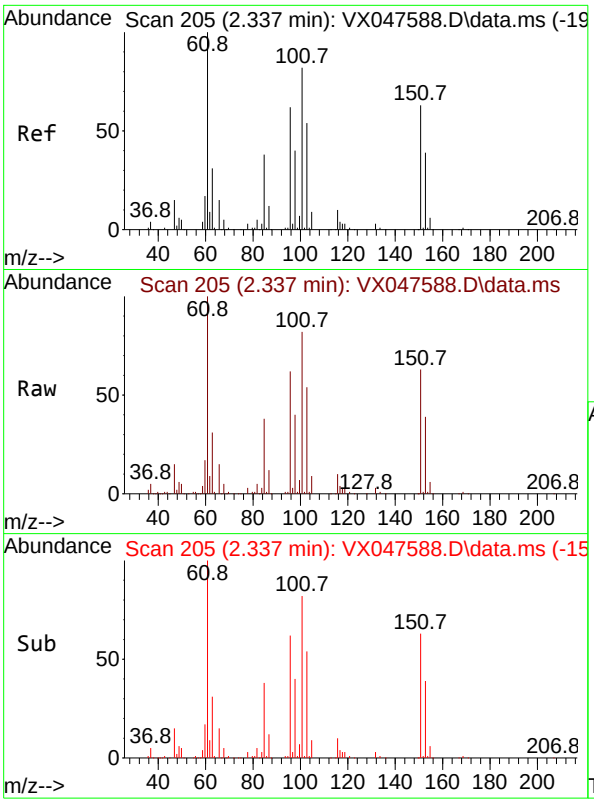


#8
Diethyl Ether
Concen: 50.510 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 74 Resp: 70874

Ion	Ratio	Lower	Upper
74	100		
45	104.5	52.3	156.8



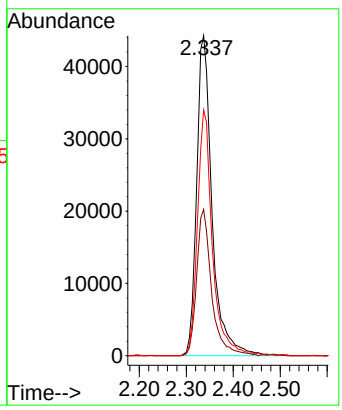


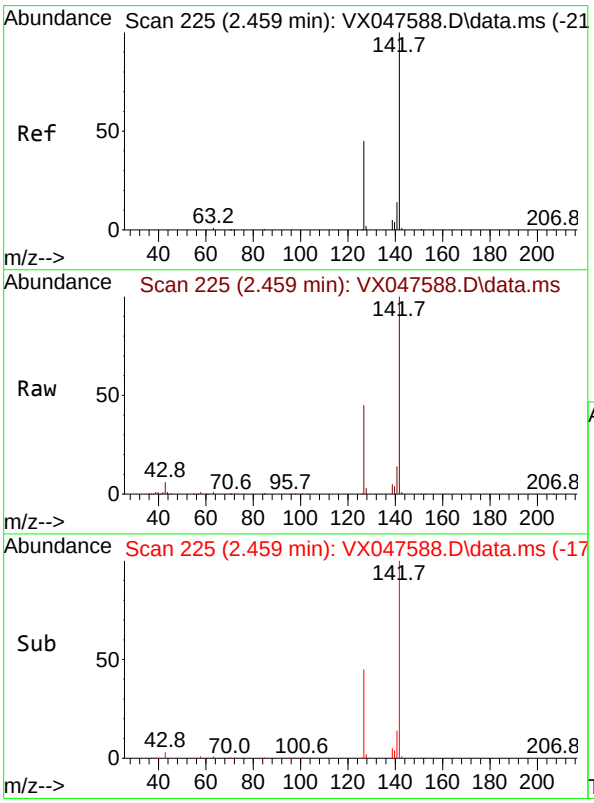
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.445 ug/l
RT: 2.337 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 101178

Ion	Ratio	Lower	Upper
101	100		
85	44.4	35.5	53.3
151	74.2	59.4	89.0

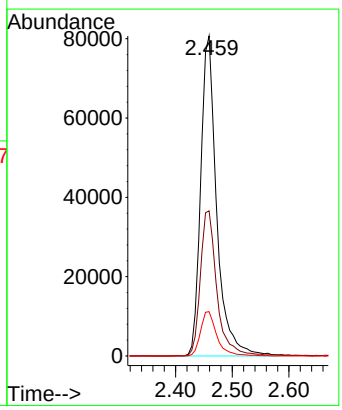


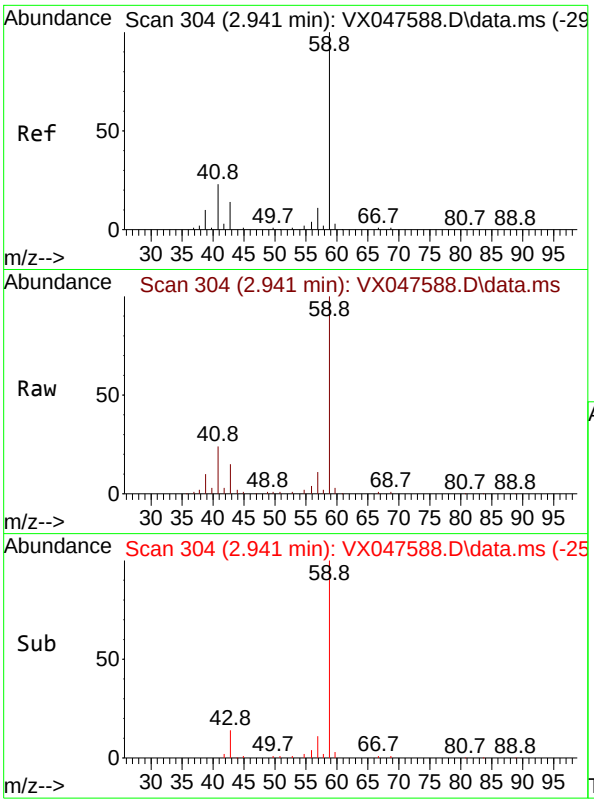


#10
Methyl Iodide
Concen: 50.525 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:142 Resp: 158046

Ion	Ratio	Lower	Upper
142	100		
127	46.5	37.2	55.8
141	14.2	11.4	17.0



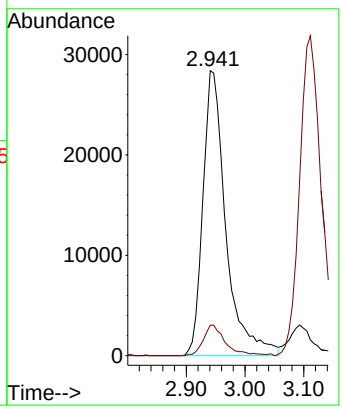


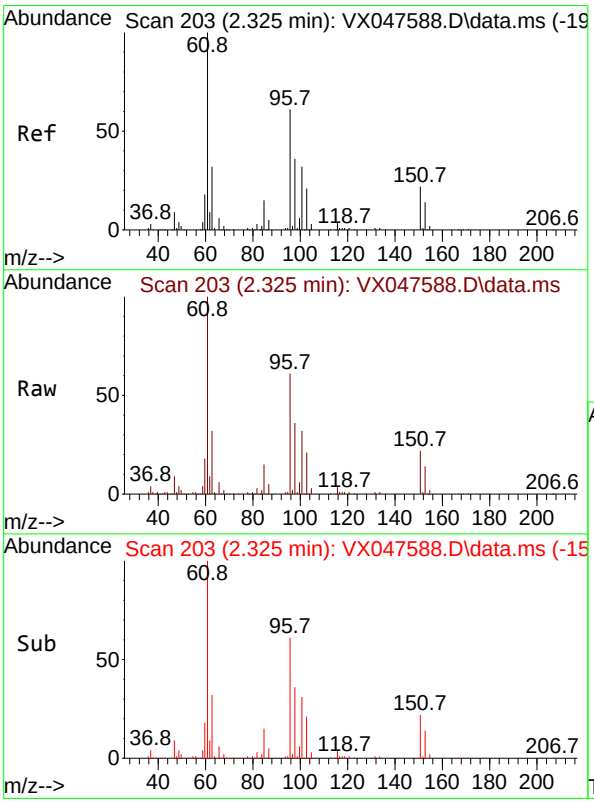
#11
Tert butyl alcohol
Concen: 251.232 ug/l
RT: 2.941 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 77232

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5

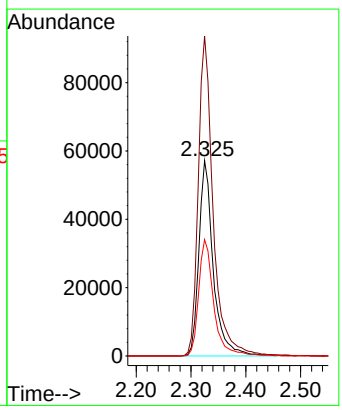


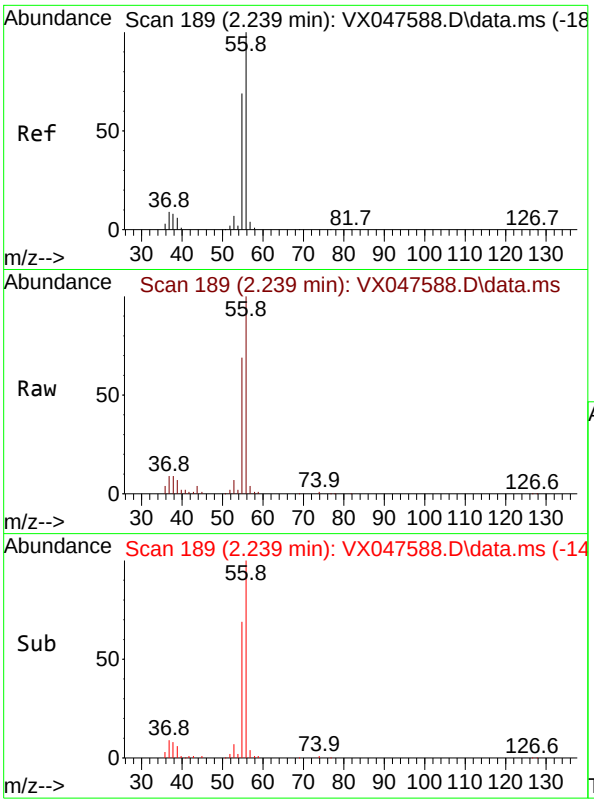


#12
1,1-Dichloroethene
Concen: 50.831 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 96 Resp: 104724

Ion	Ratio	Lower	Upper
96	100		
61	163.8	131.0	196.6
98	59.6	47.7	71.5



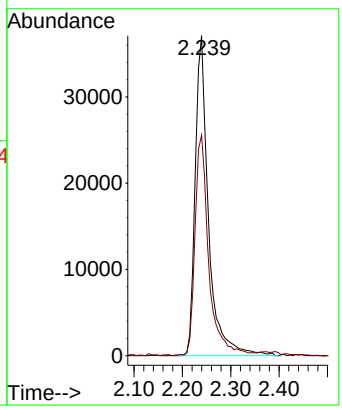


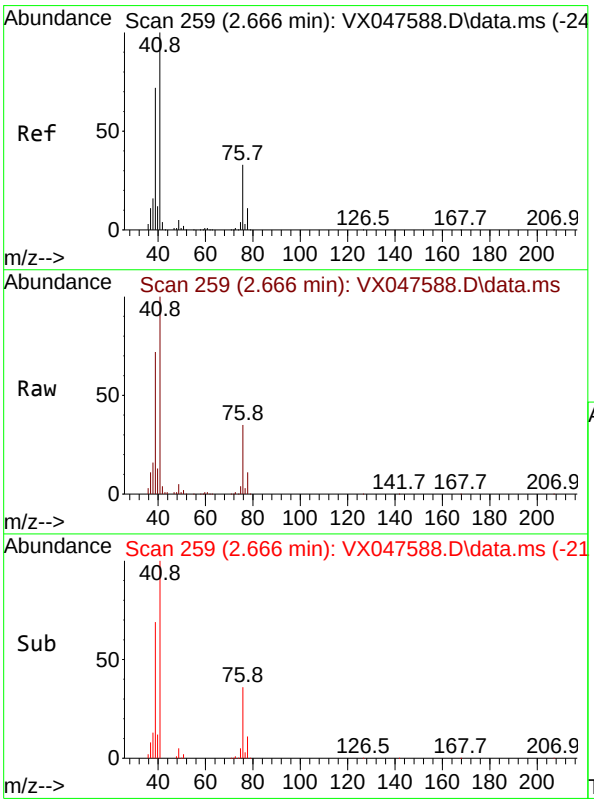
#13
Acrolein
Concen: 249.645 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 70721

Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.2	85.8

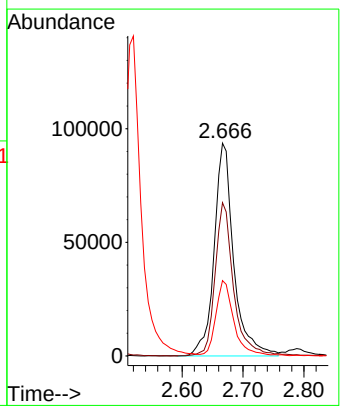


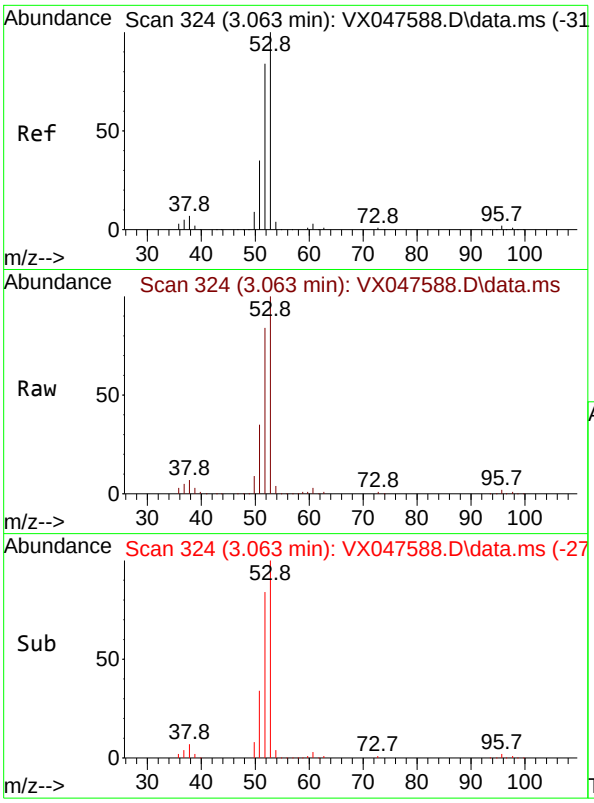


#14
Allyl chloride
Concen: 49.396 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 41 Resp: 210001

Ion	Ratio	Lower	Upper
41	100		
39	68.4	54.7	82.1
76	32.1	25.7	38.5



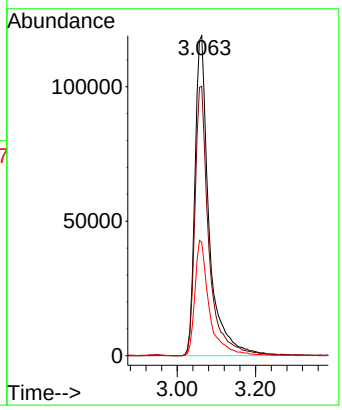


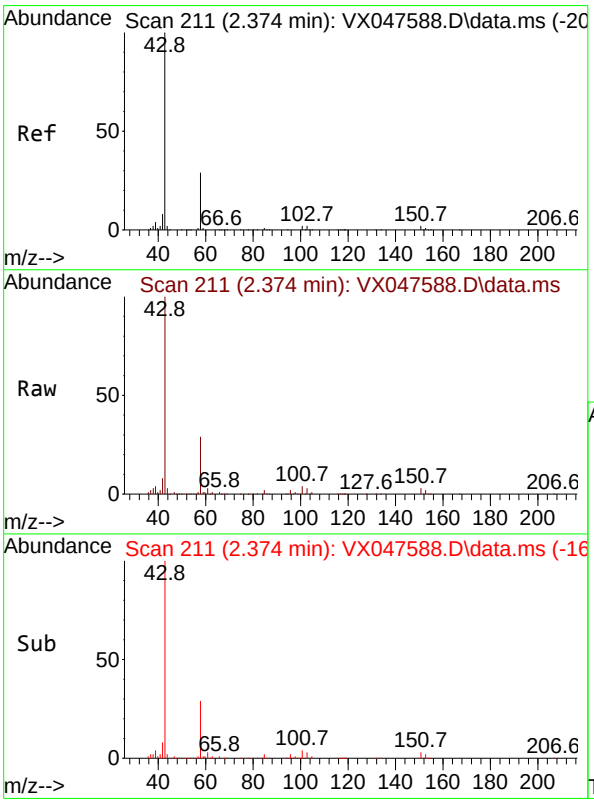
#15
Acrylonitrile
Concen: 264.027 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 300642

Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.4	99.6
51	36.9	29.5	44.3

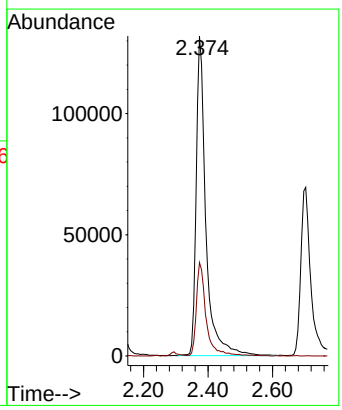


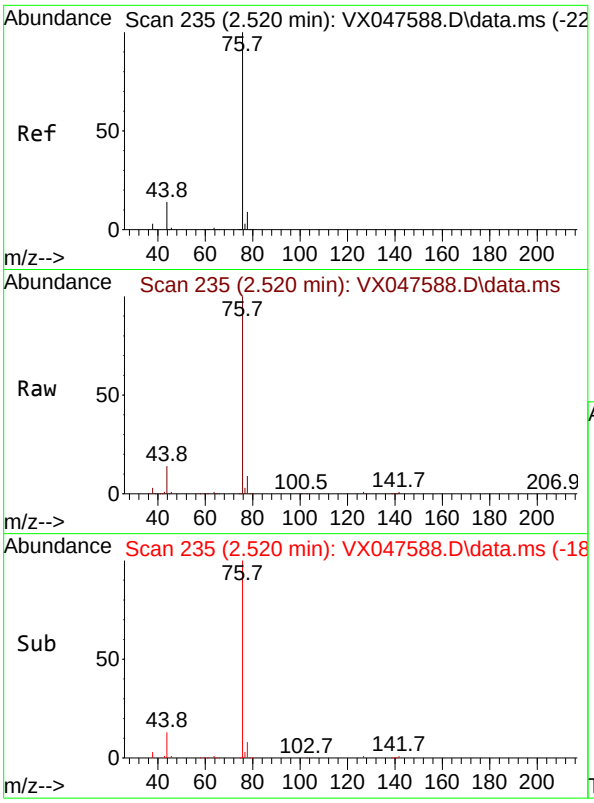


#16
Acetone
Concen: 229.193 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 275065

Ion	Ratio	Lower	Upper
43	100		
58	29.2	23.4	35.0



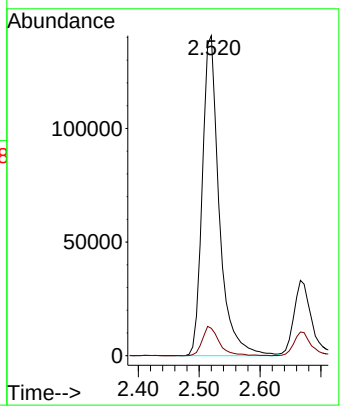


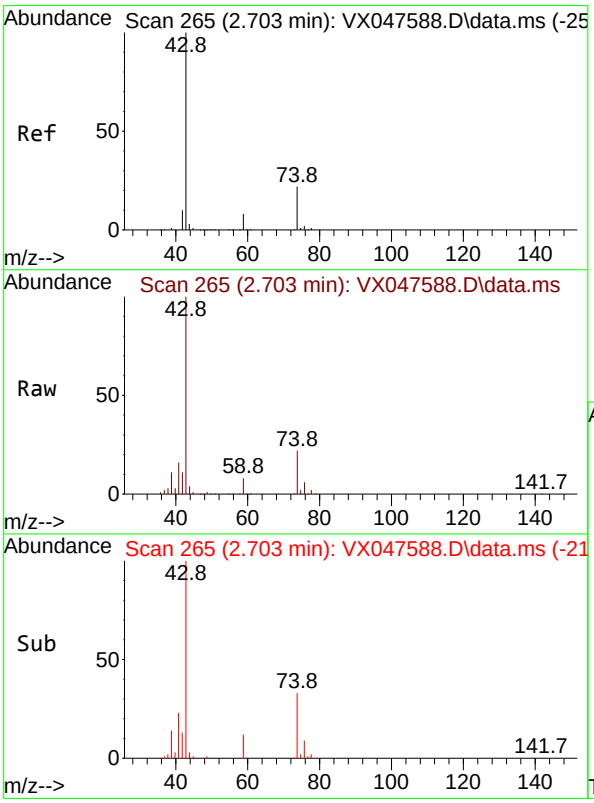
#17
Carbon Disulfide
Concen: 48.133 ug/l
RT: 2.520 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 271480

Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.8	10.2

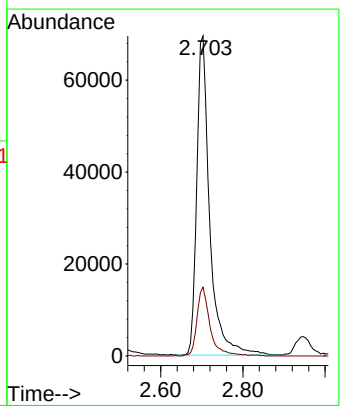


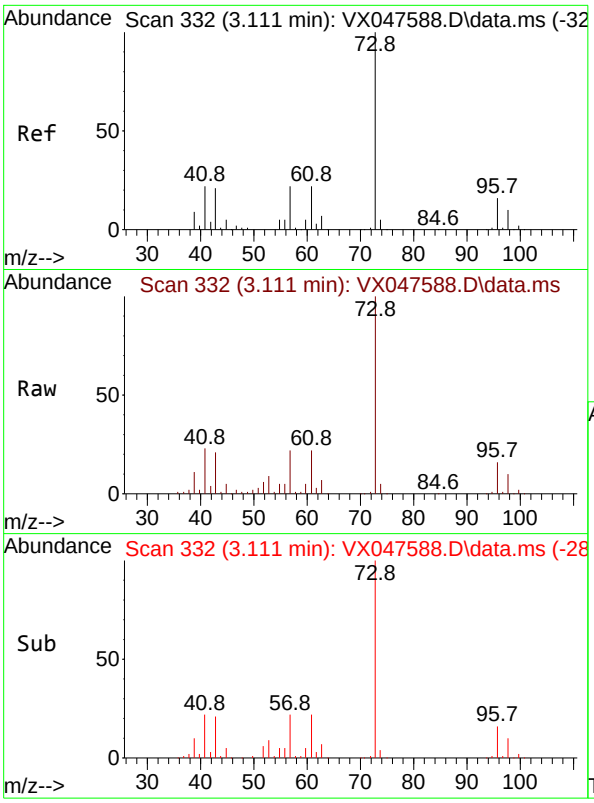


#18
Methyl Acetate
Concen: 56.897 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 151968

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2



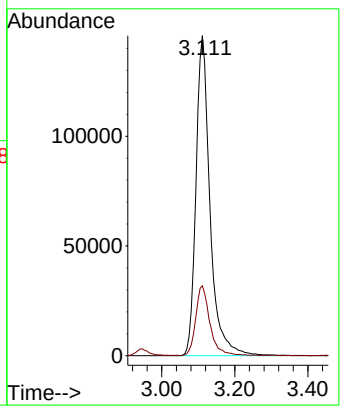


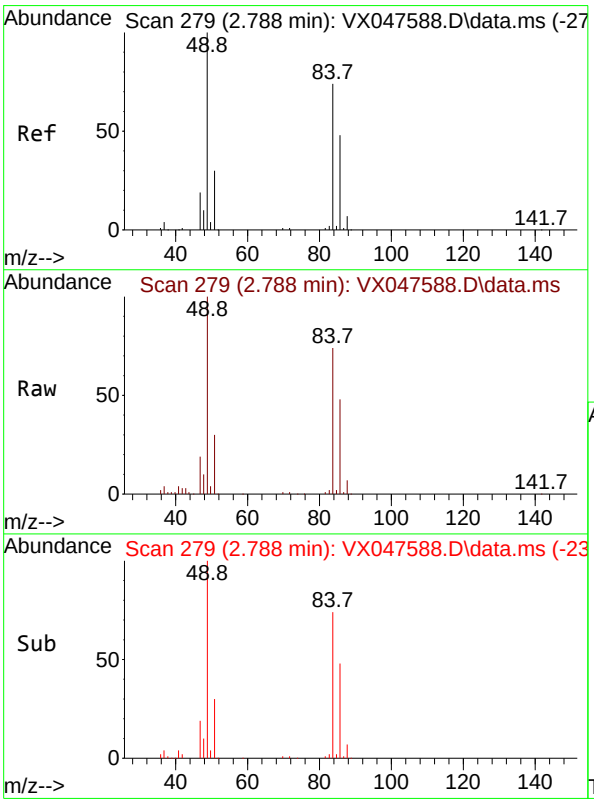
#19
Methyl tert-butyl Ether
Concen: 51.804 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 389607

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.2

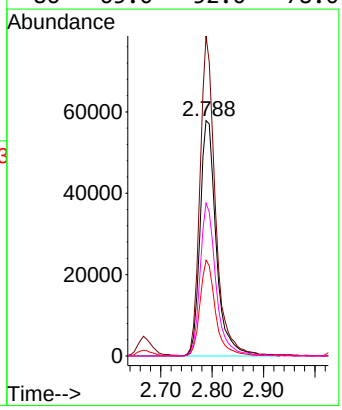


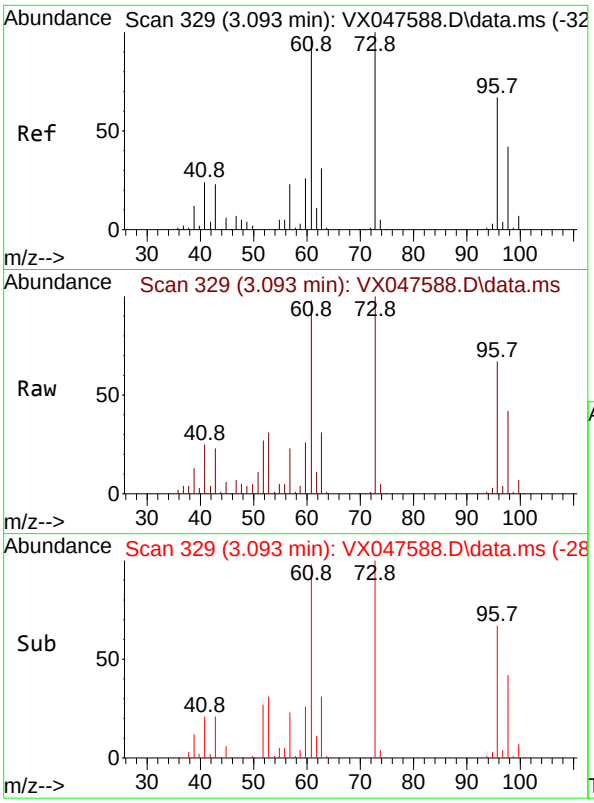


#20
Methylene Chloride
Concen: 49.798 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 84 Resp: 126506

Ion	Ratio	Lower	Upper
84	100		
49	135.7	108.6	162.8
51	40.7	32.6	48.8
86	65.0	52.0	78.0



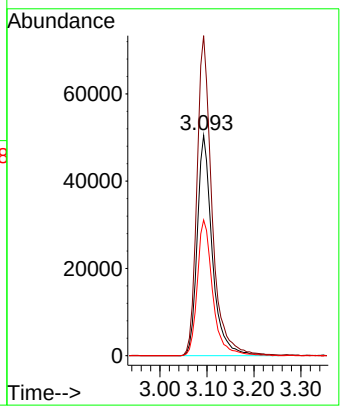


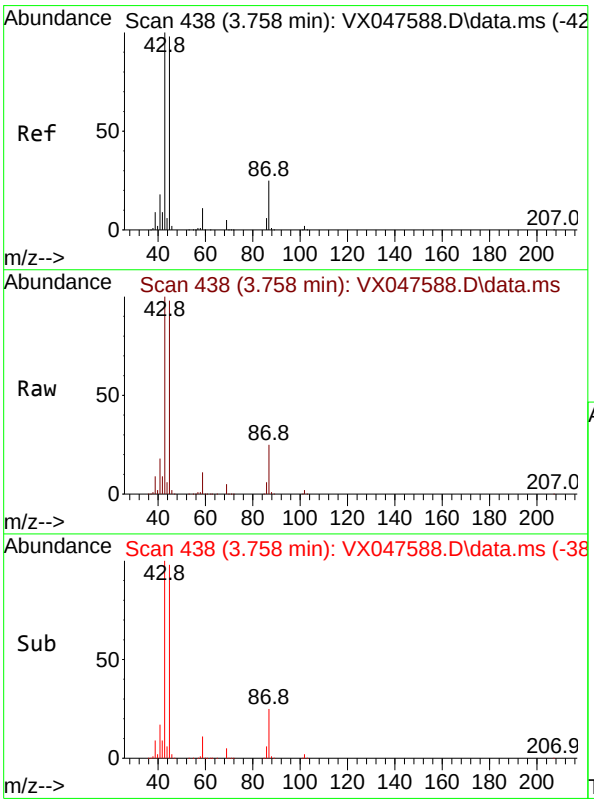
#21
trans-1,2-Dichloroethene
Concen: 50.743 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 112553

Ion	Ratio	Lower	Upper
96	100		
61	145.2	116.2	174.2
98	61.6	49.3	73.9

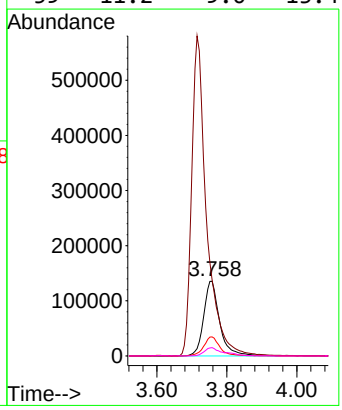


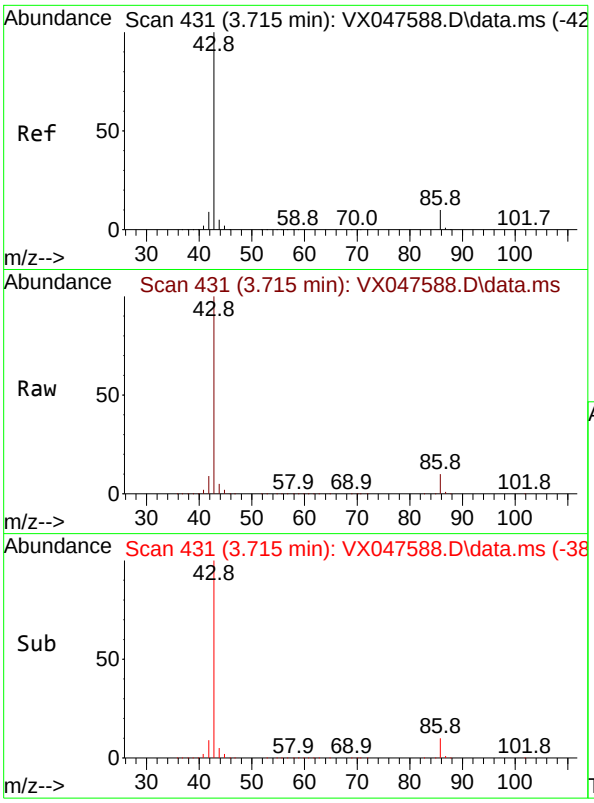


#22
Diisopropyl ether
Concen: 52.131 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 45 Resp: 429524

Ion	Ratio	Lower	Upper
45	100		
43	101.2	81.0	121.4
87	25.4	20.3	30.5
59	11.2	9.0	13.4



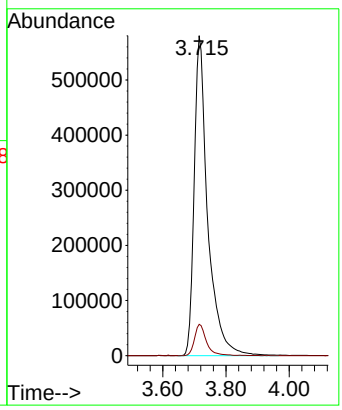


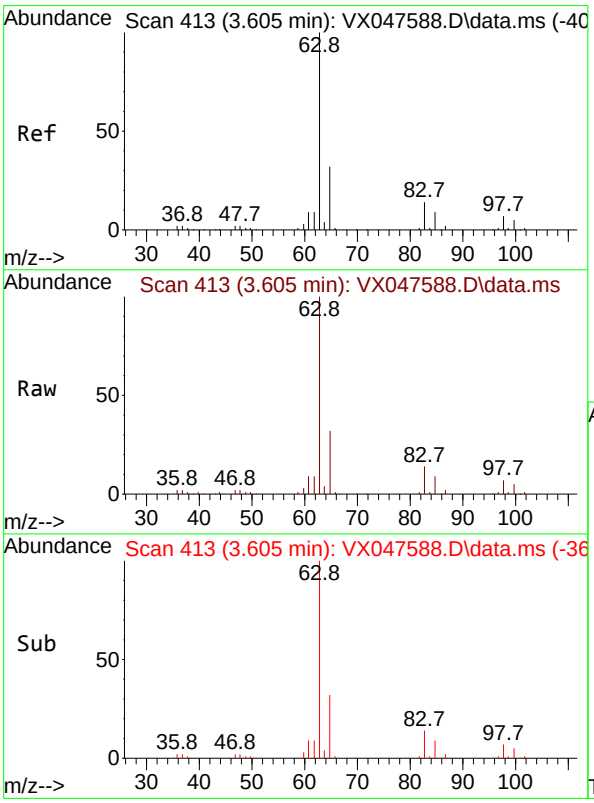
#23
Vinyl Acetate
Concen: 261.852 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1726735

Ion	Ratio	Lower	Upper
43	100		
86	9.8	7.8	11.8

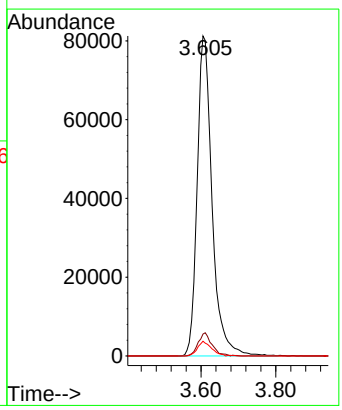


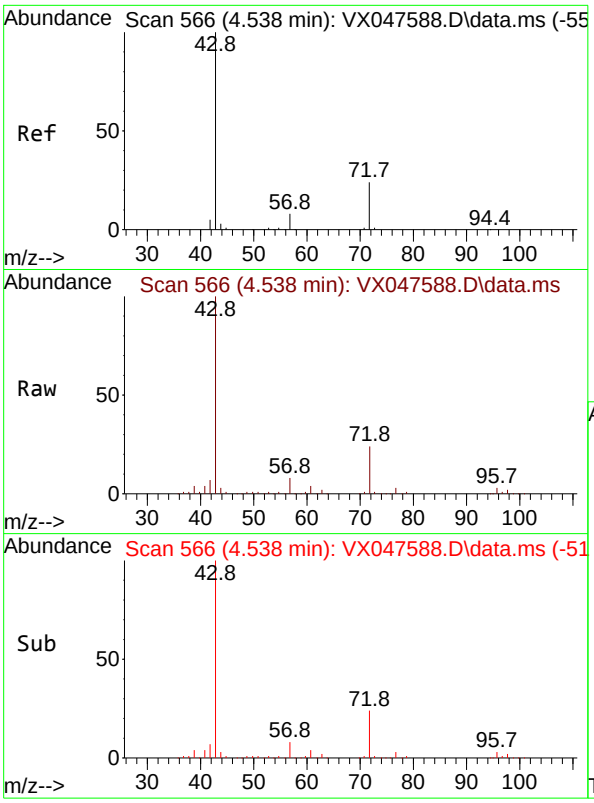


#24
1,1-Dichloroethane
Concen: 51.338 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 63 Resp: 224824

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.8	11.2
100	4.6	2.3	6.9



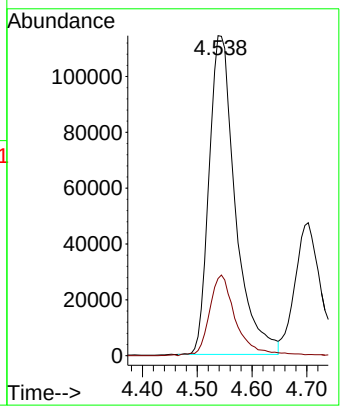


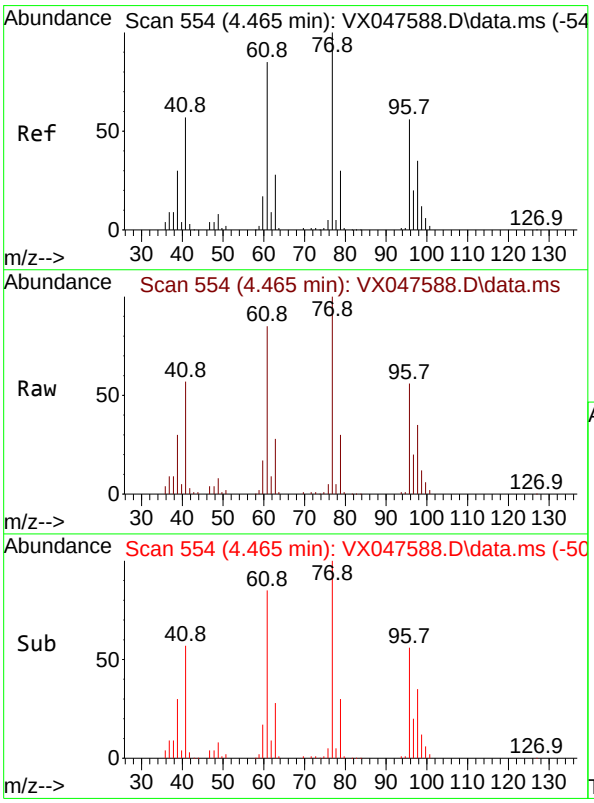
#25
2-Butanone
Concen: 254.060 ug/l
RT: 4.538 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 380335

Ion	Ratio	Lower	Upper
43	100		
72	25.1	20.1	30.1

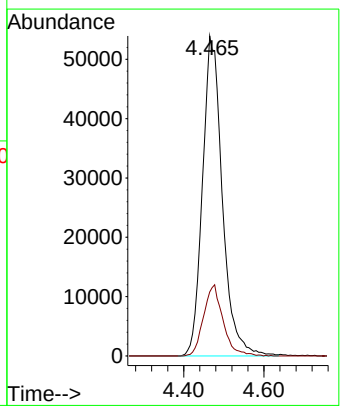


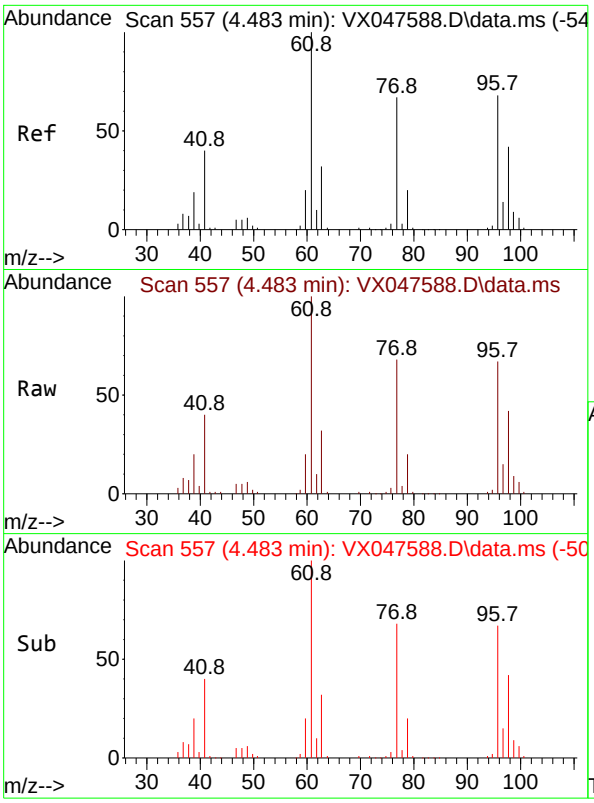


#26
2,2-Dichloropropane
Concen: 50.888 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 77 Resp: 185247

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.9	32.7



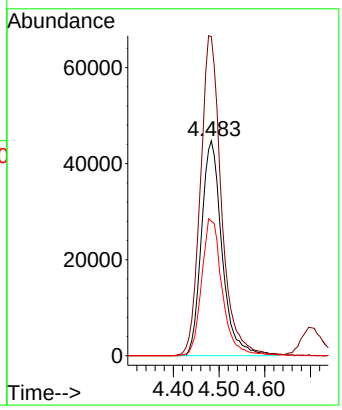


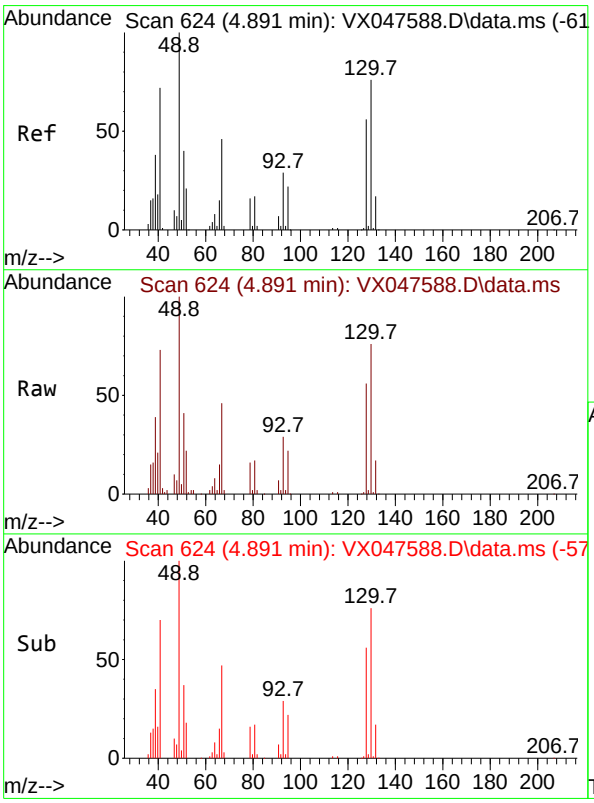
#27
cis-1,2-Dichloroethene
Concen: 51.576 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 140105

Ion	Ratio	Lower	Upper
96	100		
61	151.6	0.0	303.2
98	63.9	0.0	127.8

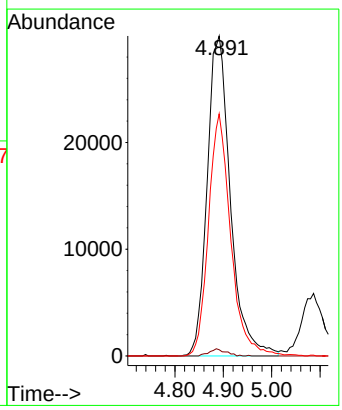


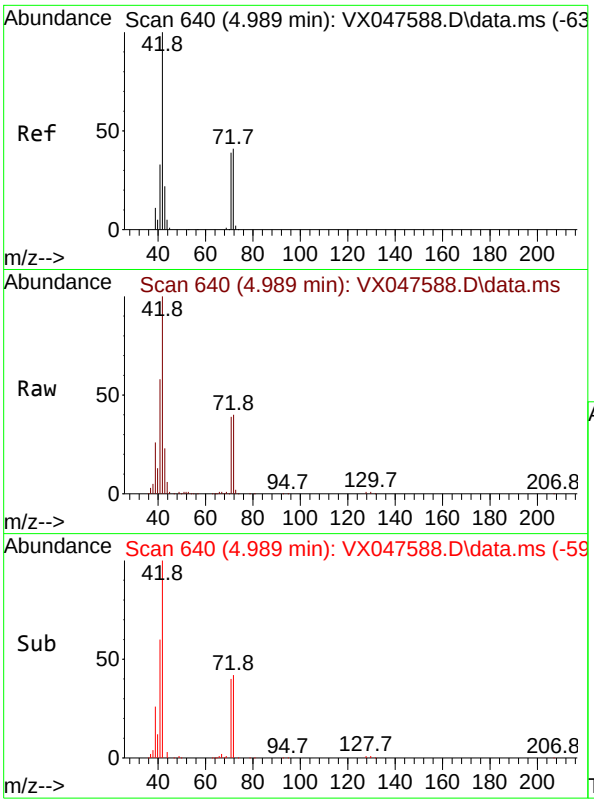


#28
Bromochloromethane
Concen: 52.301 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 49 Resp: 99991

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.2
130	72.3	57.8	86.8



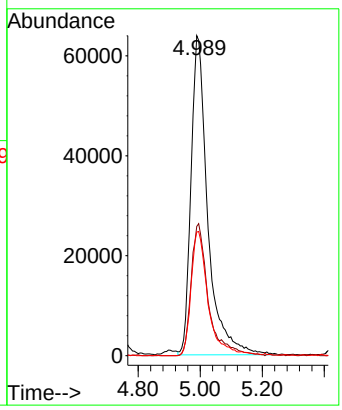


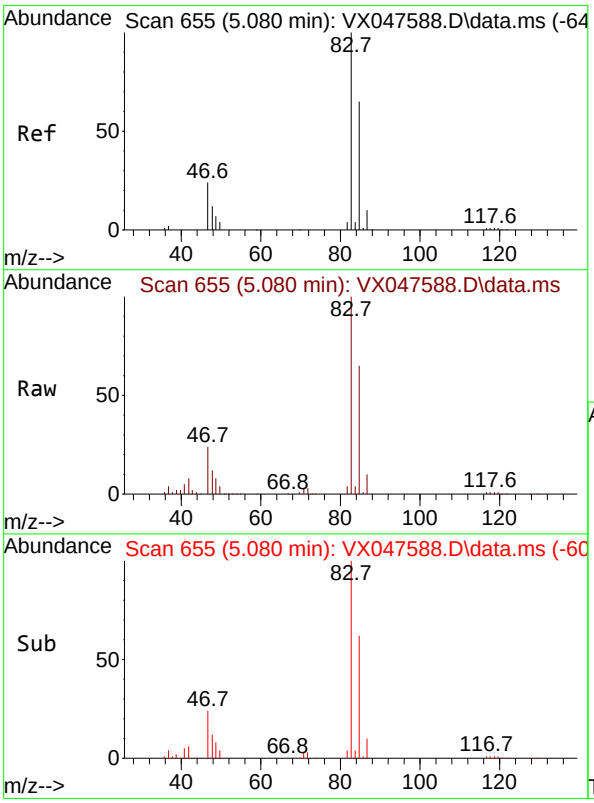
#29
Tetrahydrofuran
Concen: 265.026 ug/l
RT: 4.989 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 238677

Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	39.9	31.9	47.9

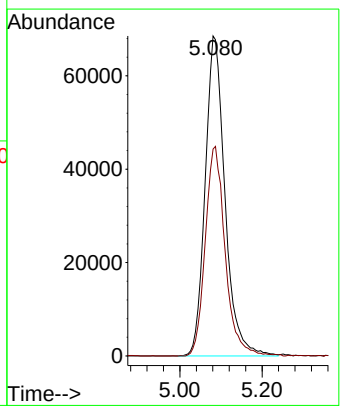


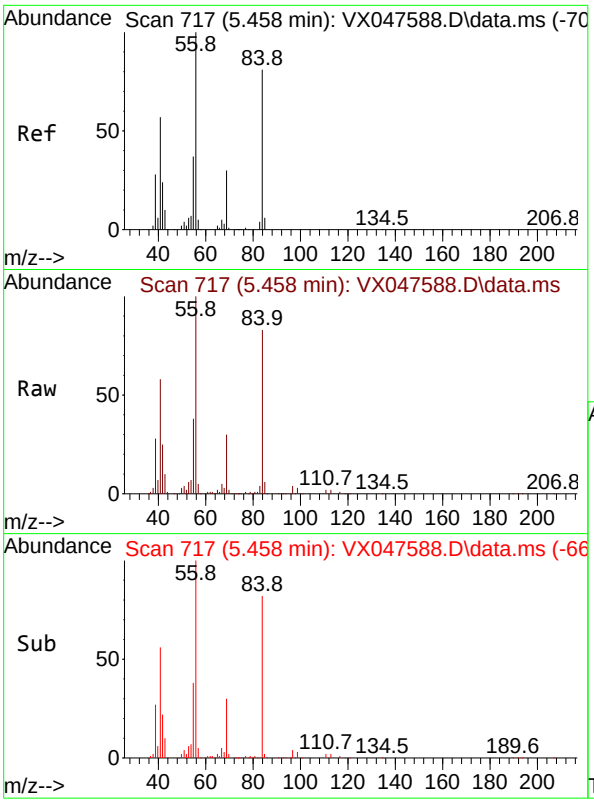


#30
Chloroform
Concen: 51.844 ug/l
RT: 5.080 min Scan# 655
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 83 Resp: 229430

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6



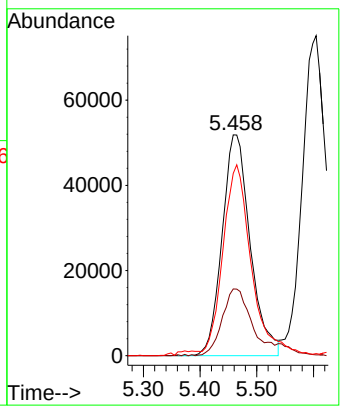


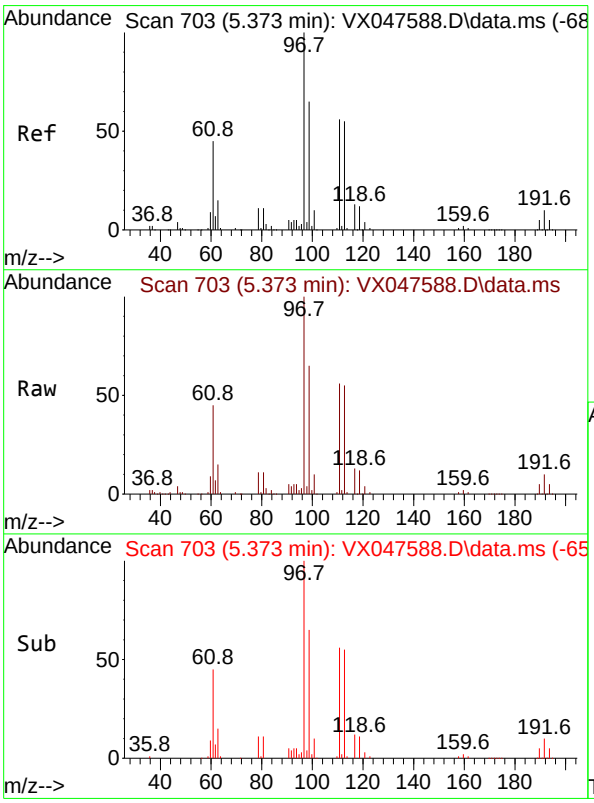
#31
Cyclohexane
Concen: 48.952 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 178546

Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.8	35.8
84	80.8	64.6	97.0

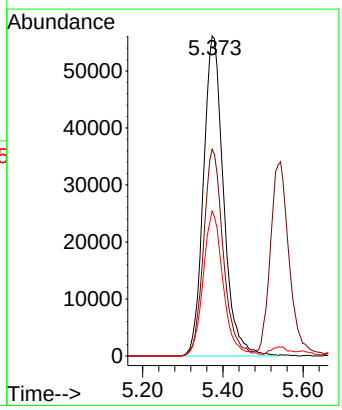


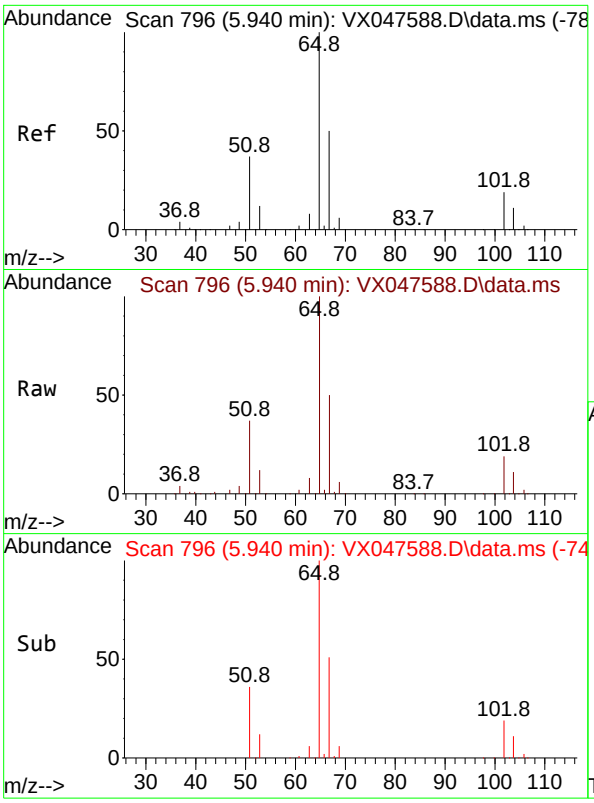


#32
1,1,1-Trichloroethane
Concen: 52.058 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 97 Resp: 195407

Ion	Ratio	Lower	Upper
97	100		
99	63.3	50.6	76.0
61	44.8	35.8	53.8



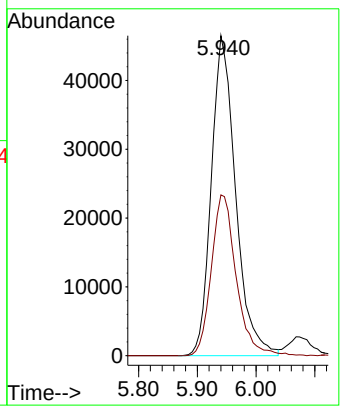


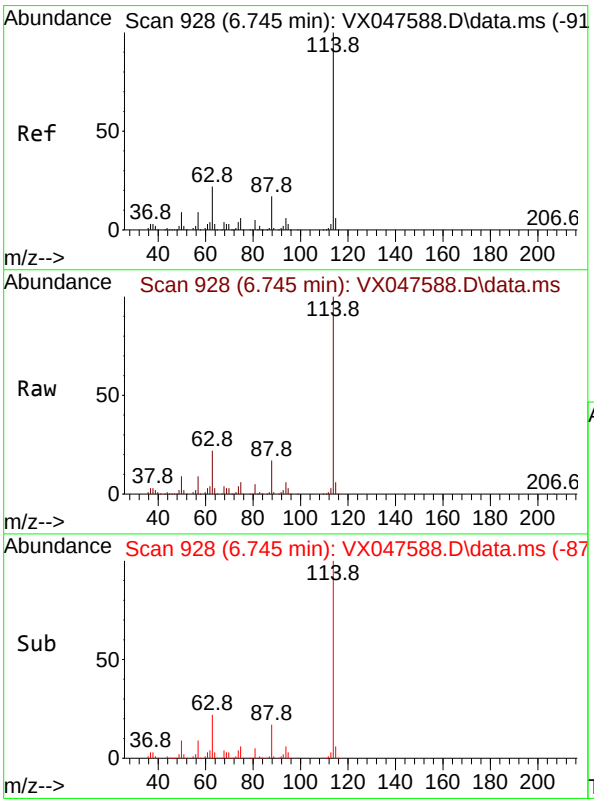
#33
1,2-Dichloroethane-d4
Concen: 48.404 ug/l
RT: 5.940 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 133606

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	103.0

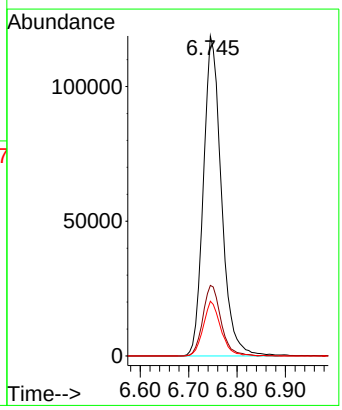


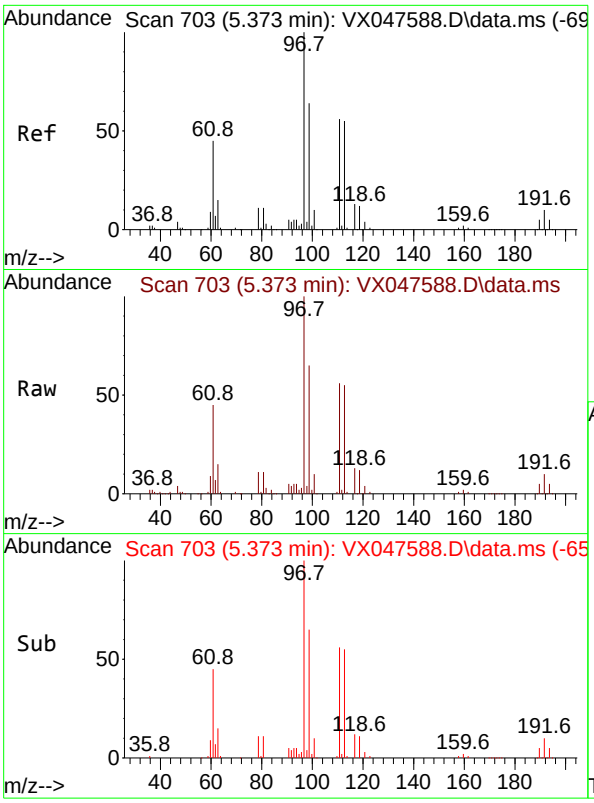


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:114 Resp: 307383

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.0
88	17.1	0.0	34.2



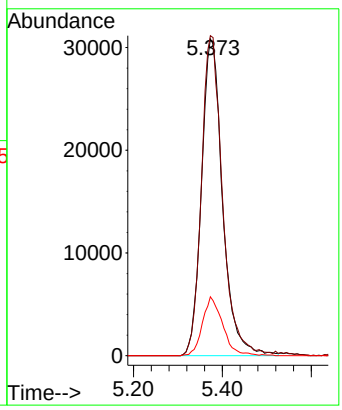


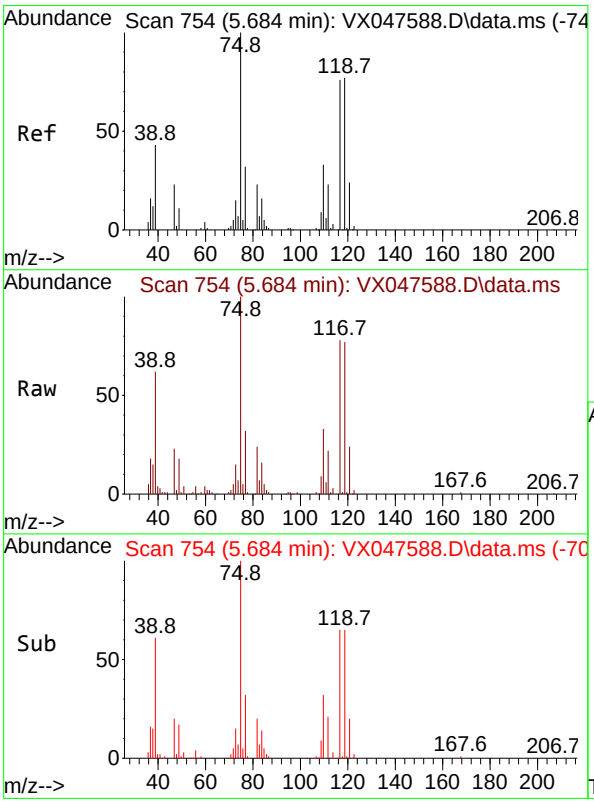
#35
Dibromofluoromethane
Concen: 49.298 ug/l
RT: 5.373 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 101627

Ion	Ratio	Lower	Upper
113	100		
111	101.1	80.9	121.3
192	17.8	14.2	21.4

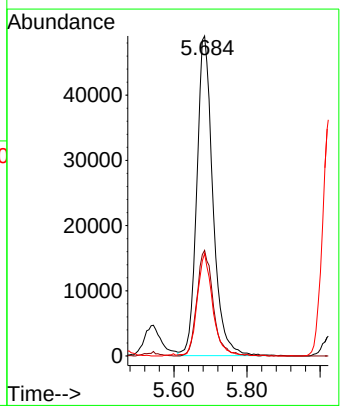


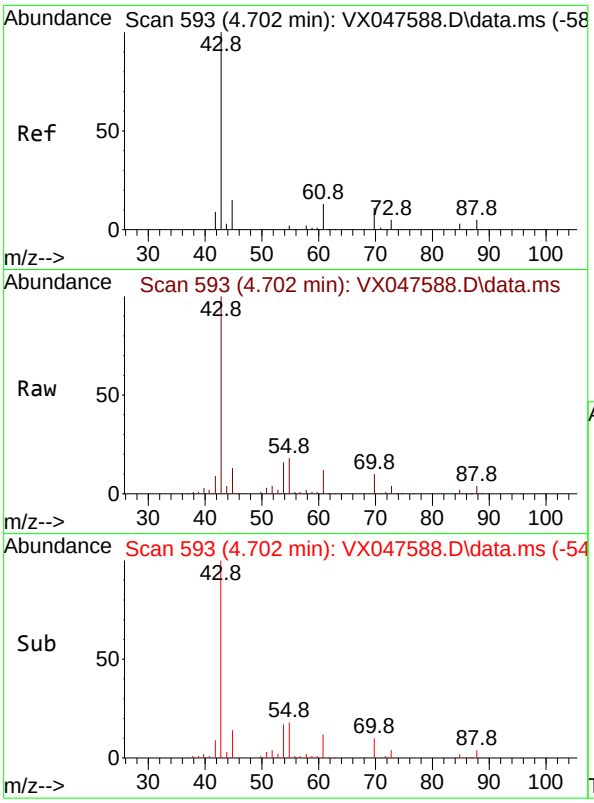


#36
1,1-Dichloropropene
Concen: 49.729 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 149800

Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.7	50.1
77	30.4	24.3	36.5



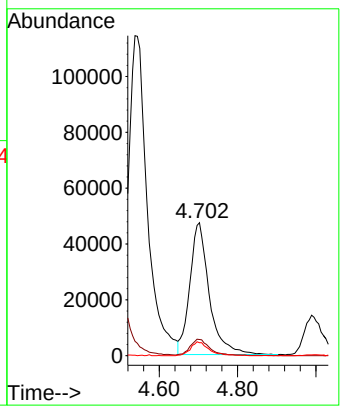


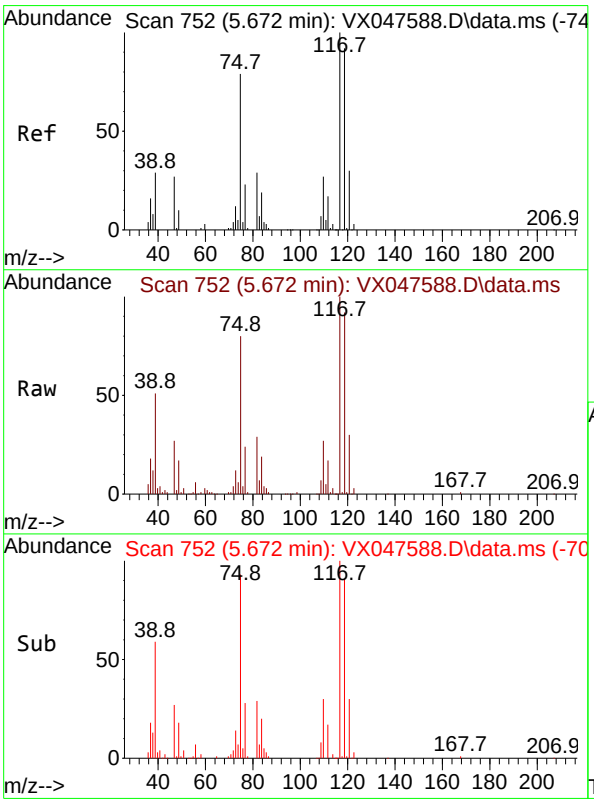
#37
Ethyl Acetate
Concen: 50.687 ug/l
RT: 4.702 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 163482

Ion	Ratio	Lower	Upper
43	100		
61	12.3	9.8	14.8
70	9.9	7.9	11.9

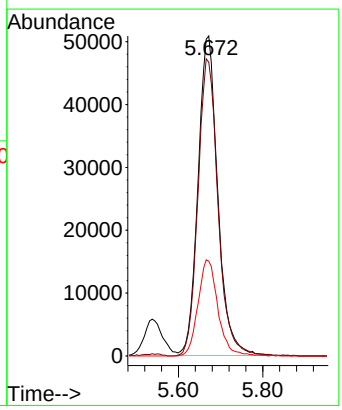


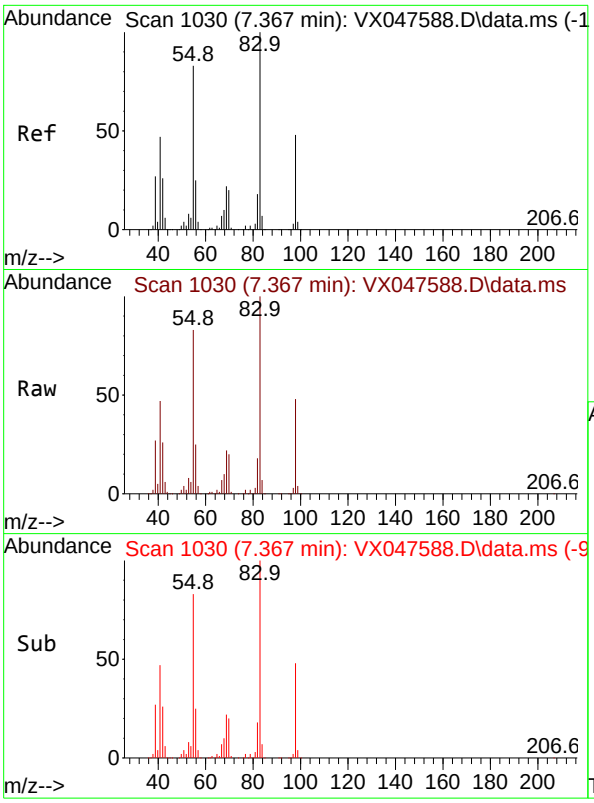


#38
Carbon Tetrachloride
Concen: 50.637 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:117 Resp: 165730

Ion	Ratio	Lower	Upper
117	100		
119	91.8	73.4	110.2
121	29.7	23.8	35.6



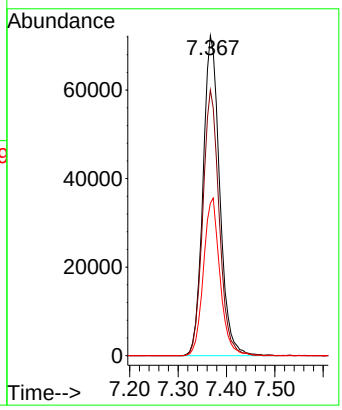


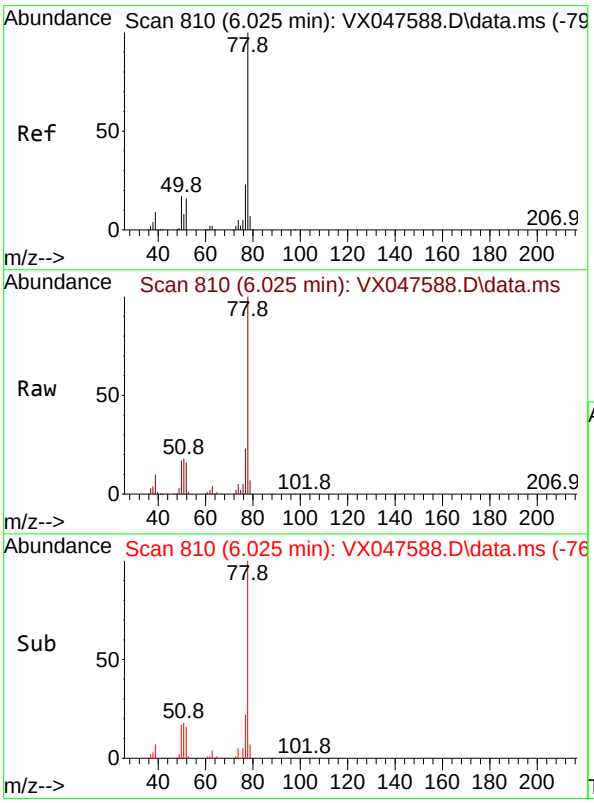
#39
Methylcyclohexane
Concen: 50.773 ug/l
RT: 7.367 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 173610

Ion	Ratio	Lower	Upper
83	100		
55	83.0	66.4	99.6
98	47.6	38.1	57.1

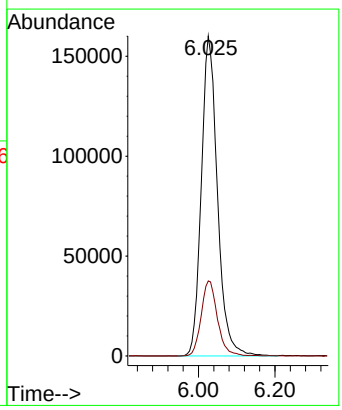


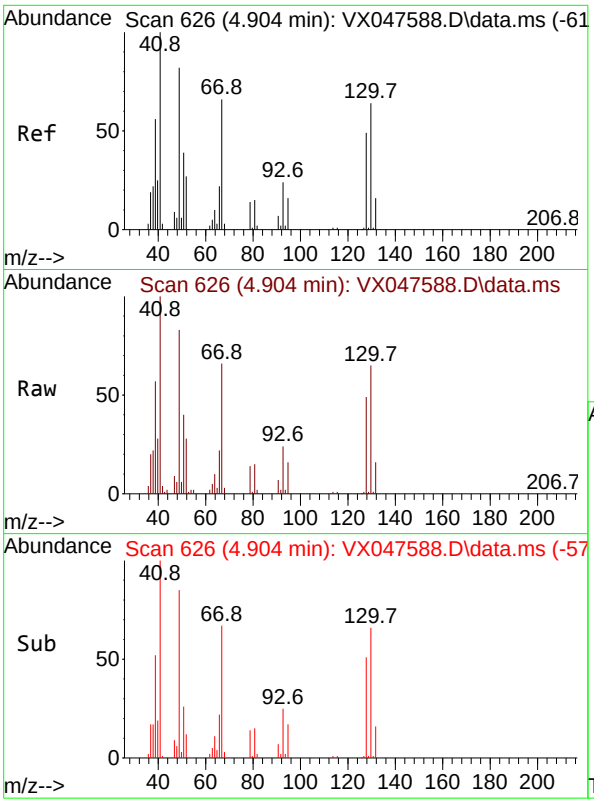


#40
Benzene
Concen: 51.167 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 78 Resp: 468136

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2



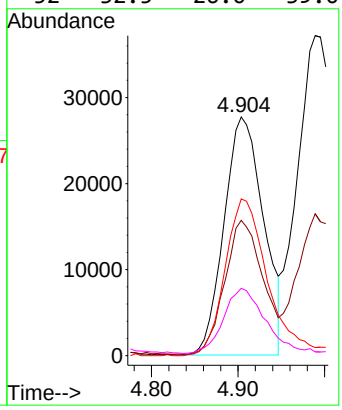


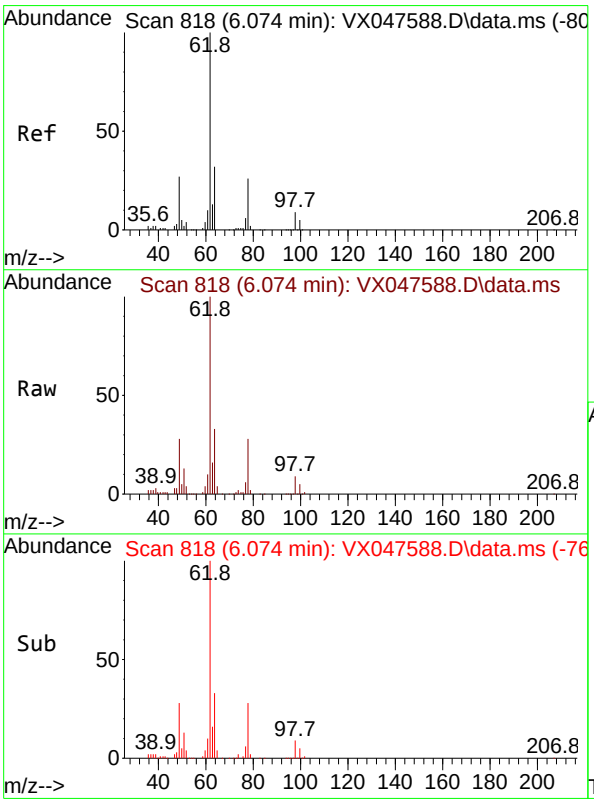
#41
Methacrylonitrile
Concen: 52.707 ug/l
RT: 4.904 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 87761

Ion	Ratio	Lower	Upper
41	100		
39	54.1	43.3	64.9
67	73.2	58.6	87.8
52	32.5	26.0	39.0

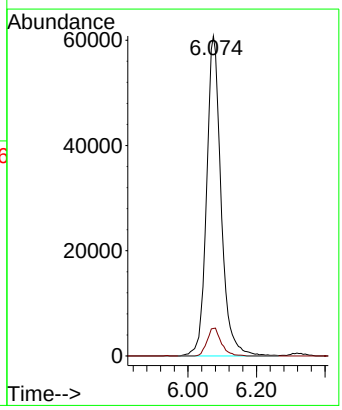


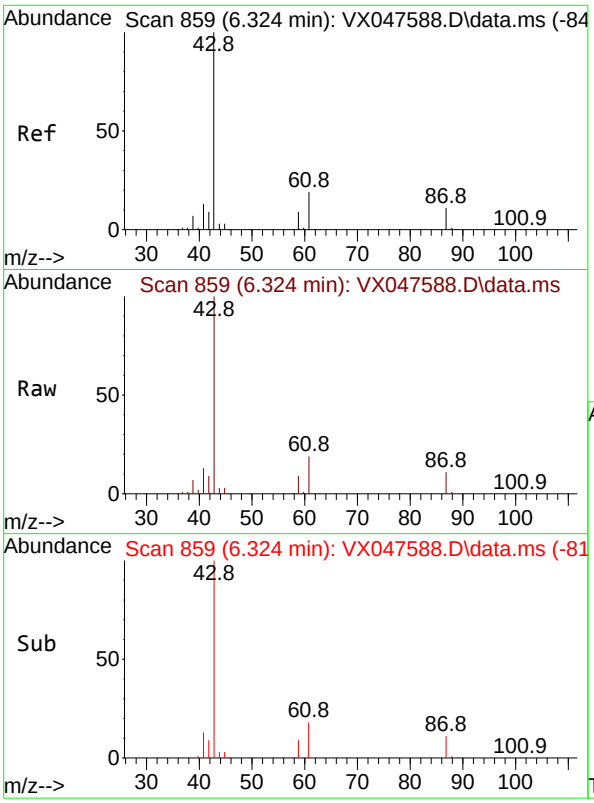


#42
1,2-Dichloroethane
Concen: 51.431 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 62 Resp: 179037

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.0



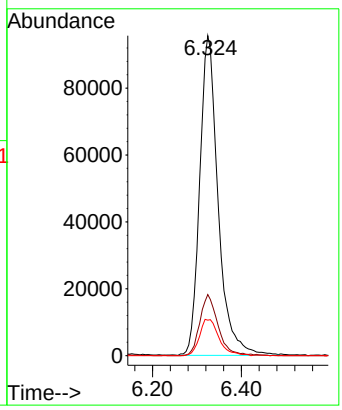


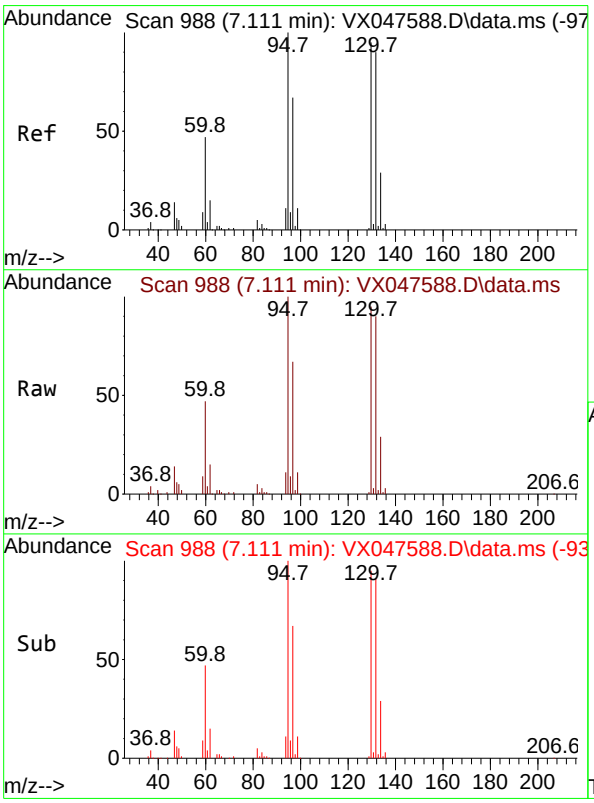
#43
Isopropyl Acetate
Concen: 52.096 ug/l
RT: 6.324 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 275572

Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.2	22.8
87	12.0	9.6	14.4

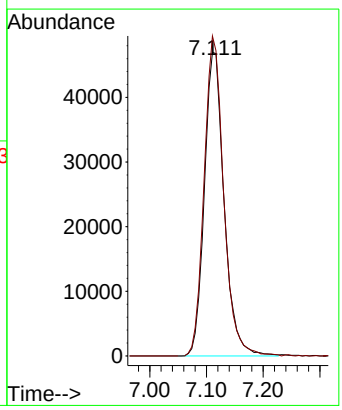


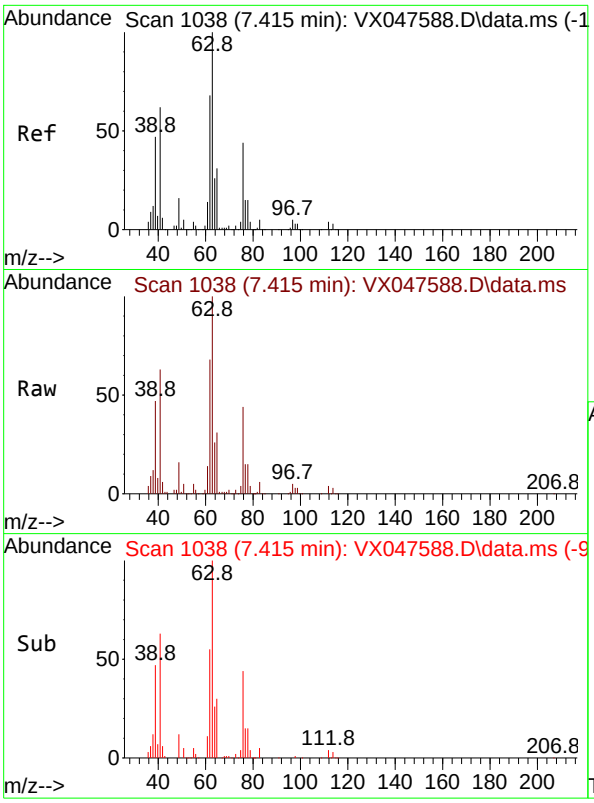


#44
Trichloroethene
Concen: 51.463 ug/l
RT: 7.111 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:130 Resp: 113832

Ion	Ratio	Lower	Upper
130	100		
95	105.4	0.0	210.8



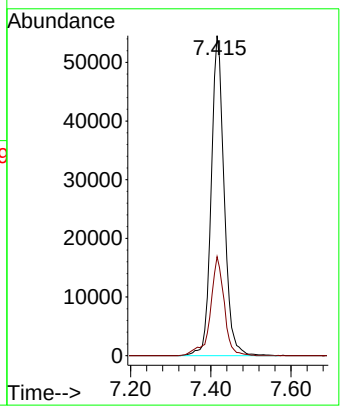


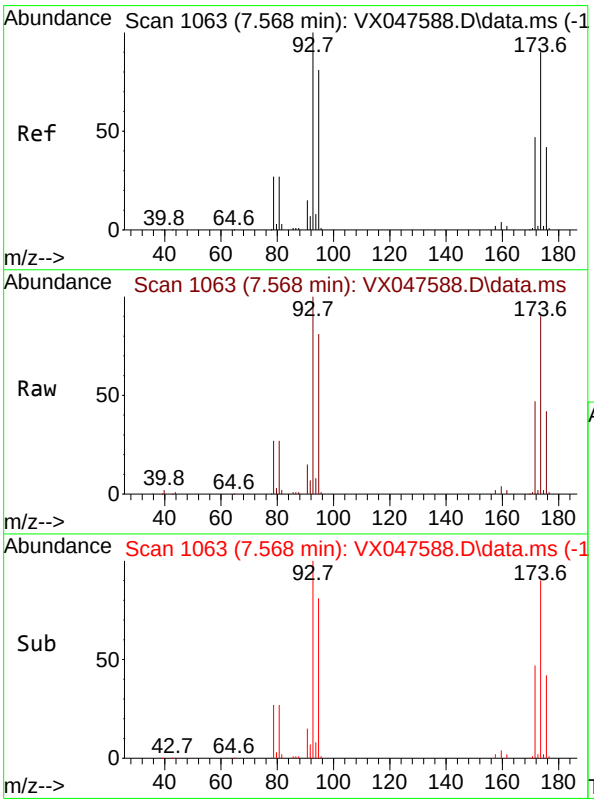
#45
1,2-Dichloropropane
Concen: 52.122 ug/l
RT: 7.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 122109

Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.7	37.1

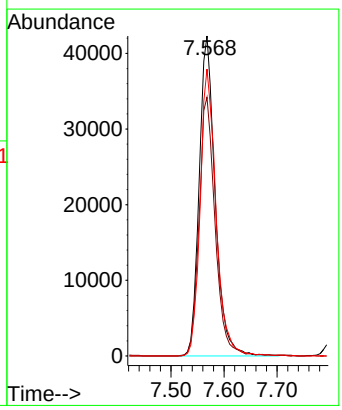


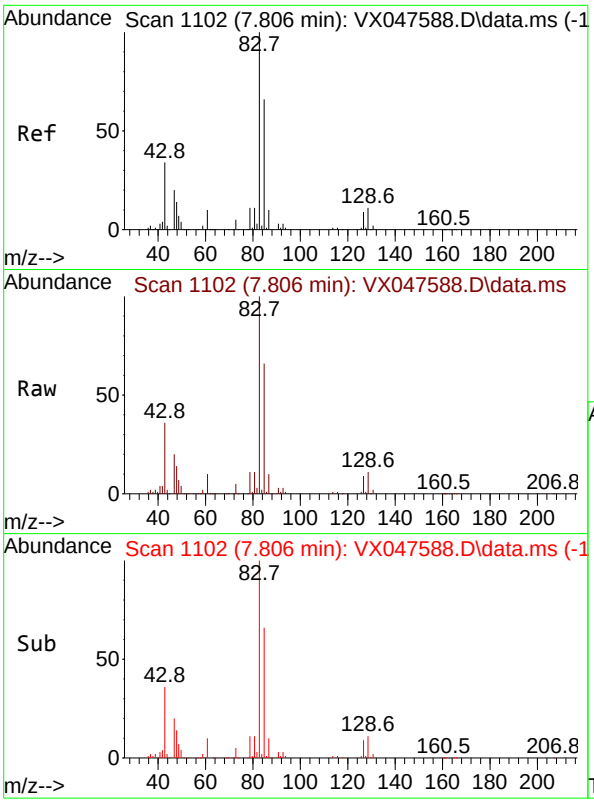


#46
Dibromomethane
Concen: 51.914 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 93 Resp: 88505

Ion	Ratio	Lower	Upper
93	100		
95	81.3	65.0	97.6
174	89.5	71.6	107.4



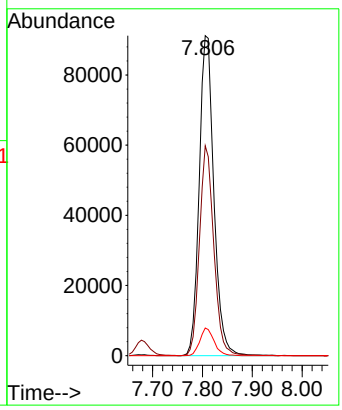


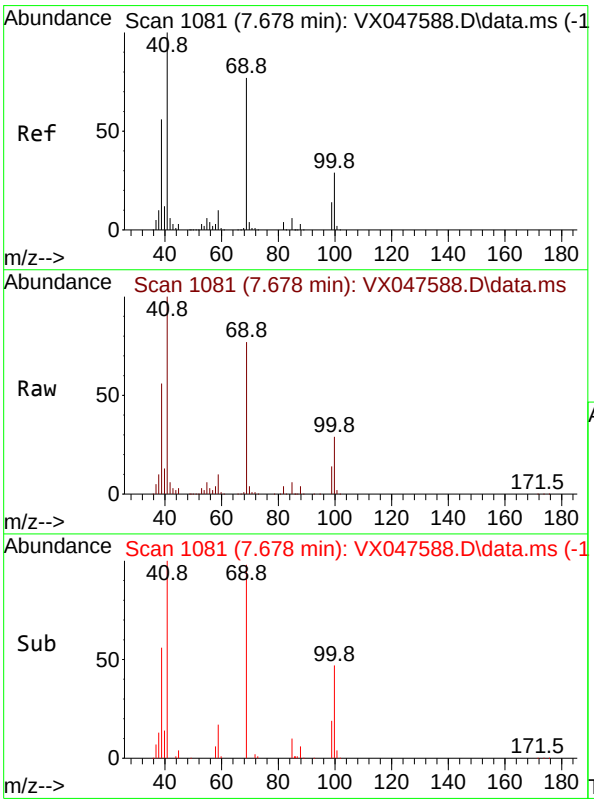
#47
Bromodichloromethane
Concen: 53.025 ug/l
RT: 7.806 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 186540

Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.5	78.7
127	8.6	6.9	10.3

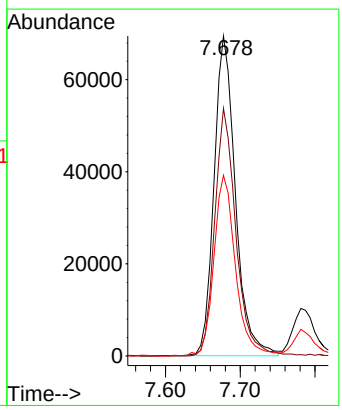


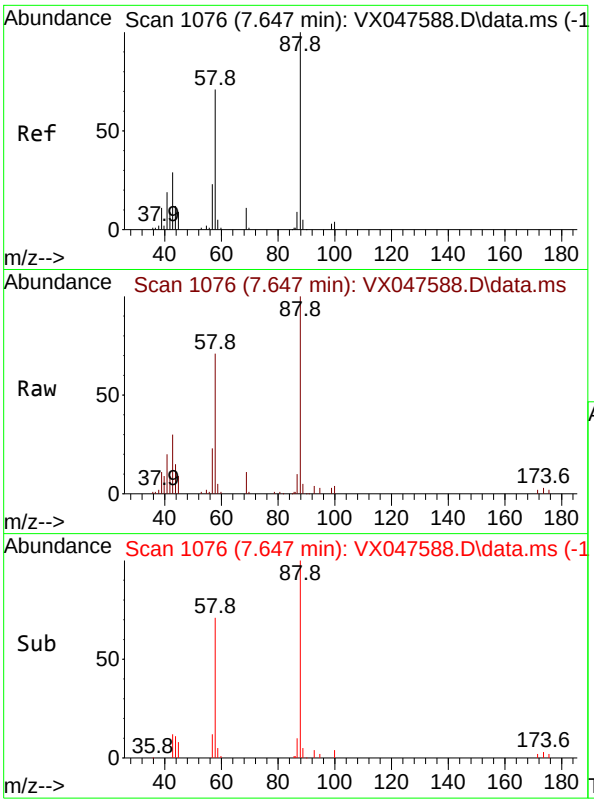


#48
Methyl methacrylate
Concen: 52.438 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 41 Resp: 138167

Ion	Ratio	Lower	Upper
41	100		
69	76.8	61.4	92.2
39	57.2	45.8	68.6



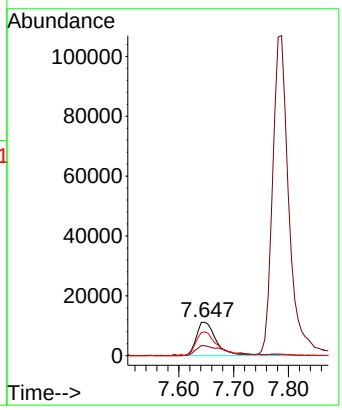


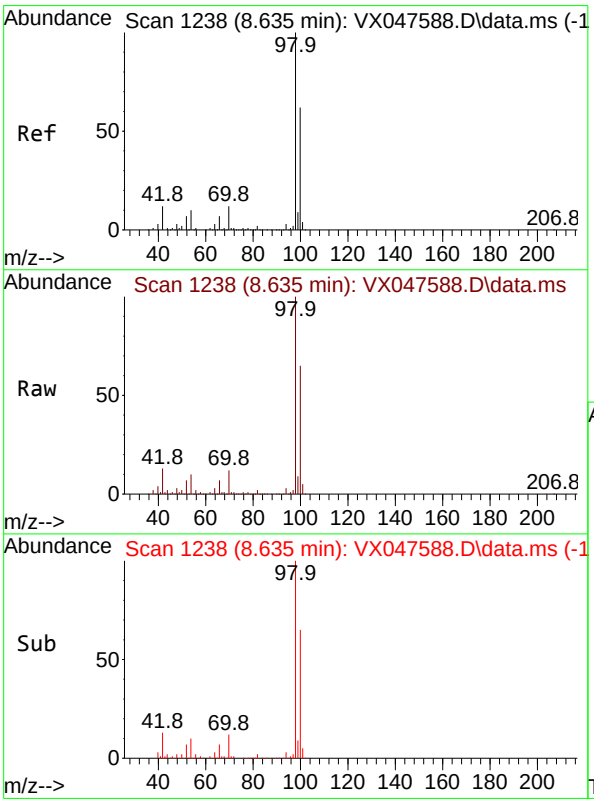
#49
1,4-Dioxane
Concen: 1107.698 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 29496

Ion	Ratio	Lower	Upper
88	100		
43	37.7	30.2	45.2
58	74.4	59.5	89.3

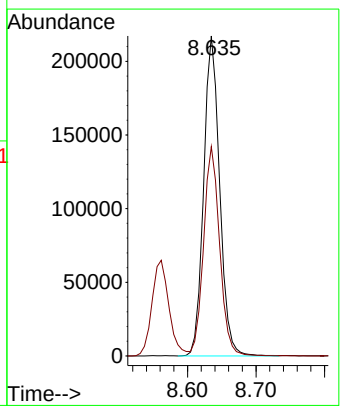


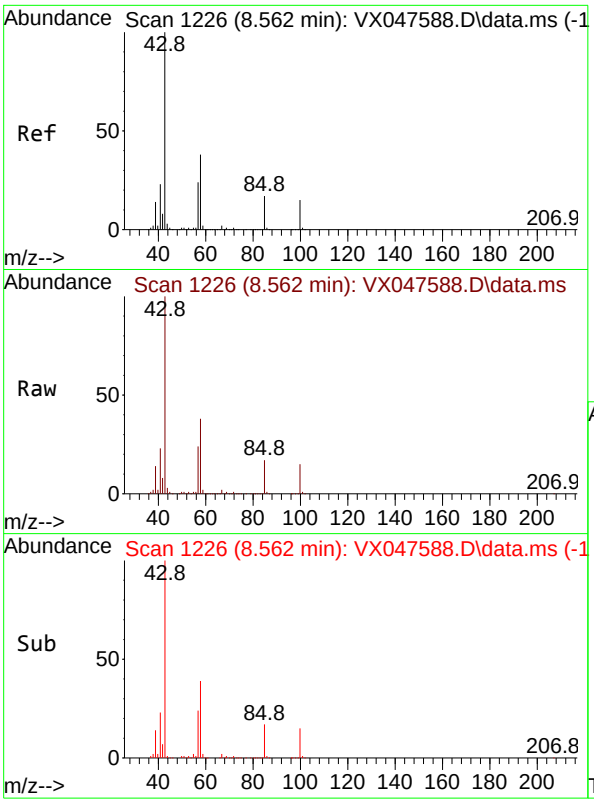


#50
Toluene-d8
Concen: 49.428 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 98 Resp: 352578

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4



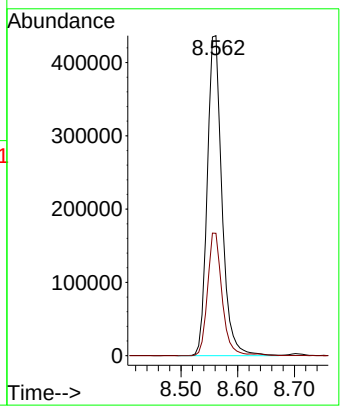


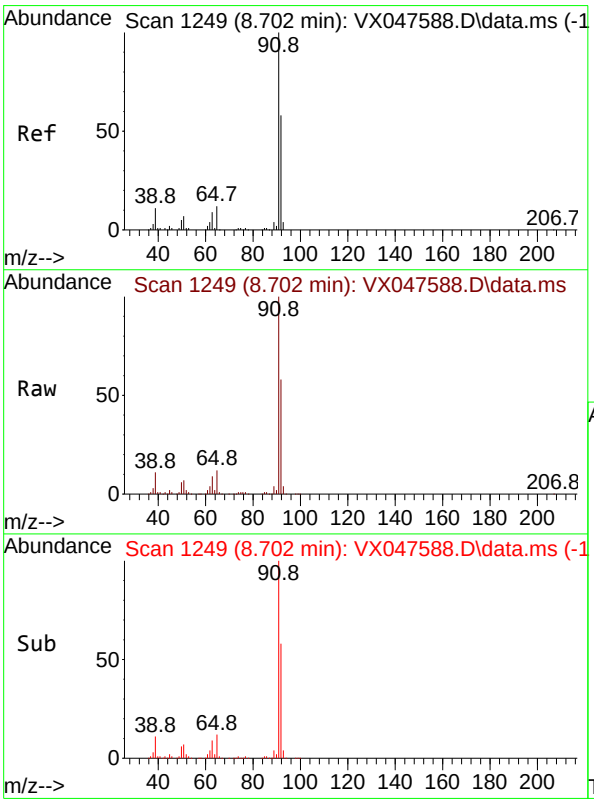
#51
4-Methyl-2-Pentanone
Concen: 267.650 ug/l
RT: 8.562 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 784978

Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.3	45.5

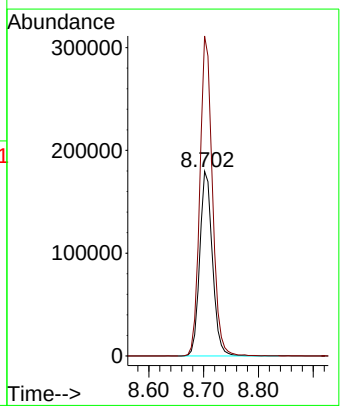


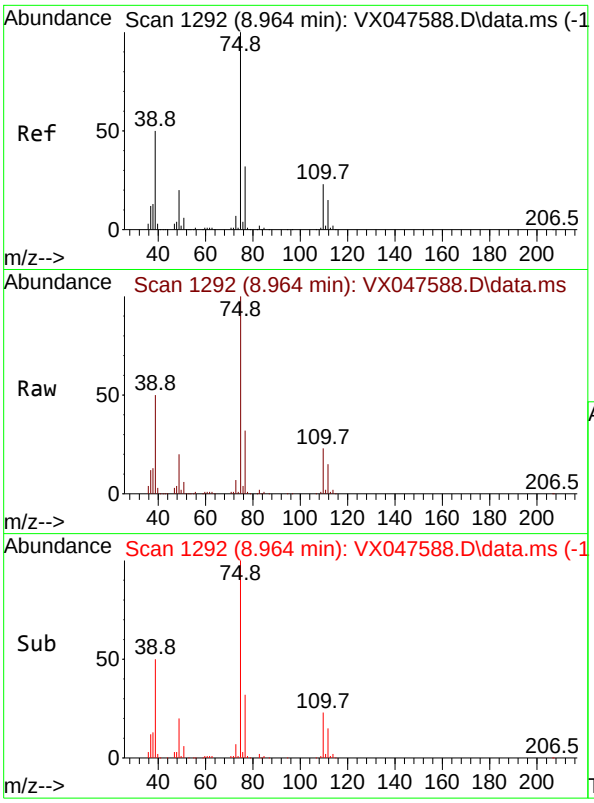


#52
Toluene
Concen: 51.244 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 92 Resp: 288853

Ion	Ratio	Lower	Upper
92	100		
91	171.4	137.1	205.7



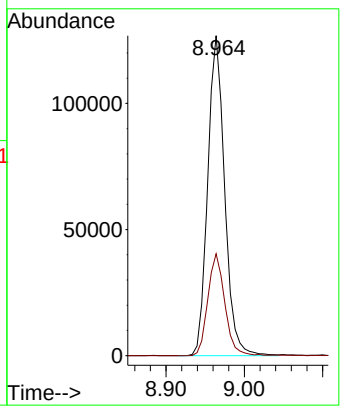


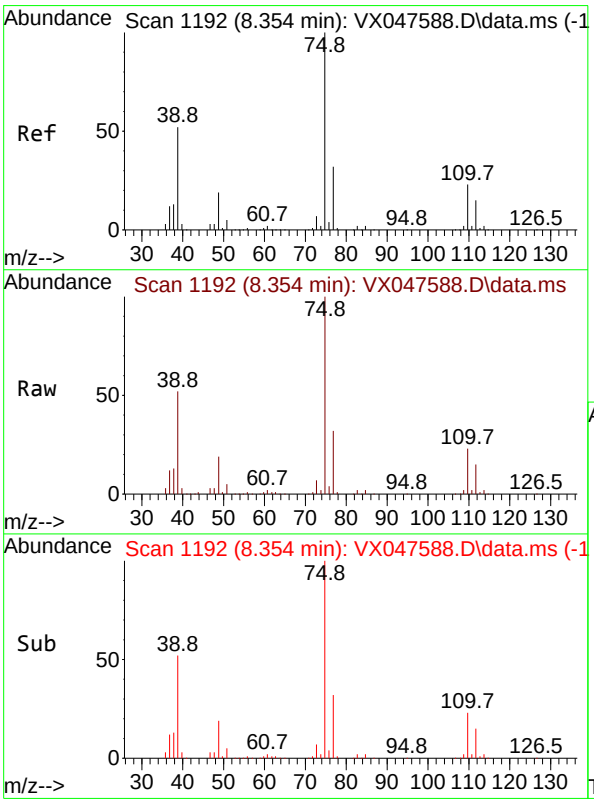
#53
t-1,3-Dichloropropene
Concen: 53.027 ug/l
RT: 8.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 190282

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2

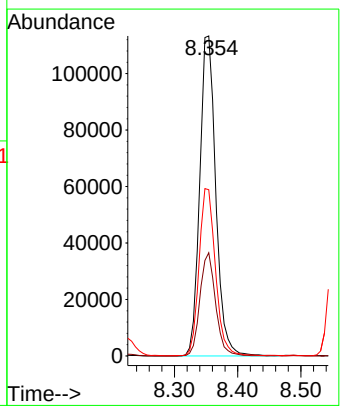


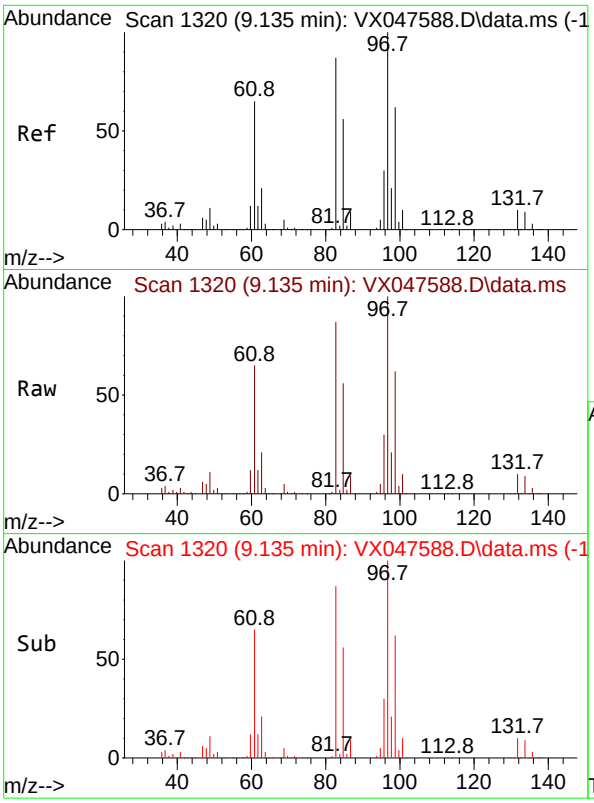


#54
cis-1,3-Dichloropropene
Concen: 52.369 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 200859

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.8	38.6
39	51.8	41.4	62.2



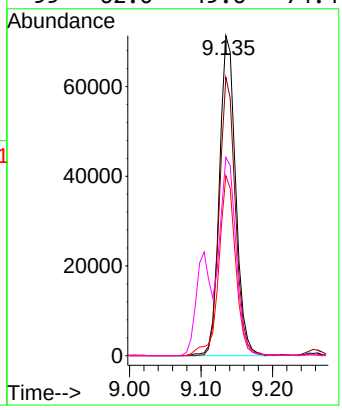


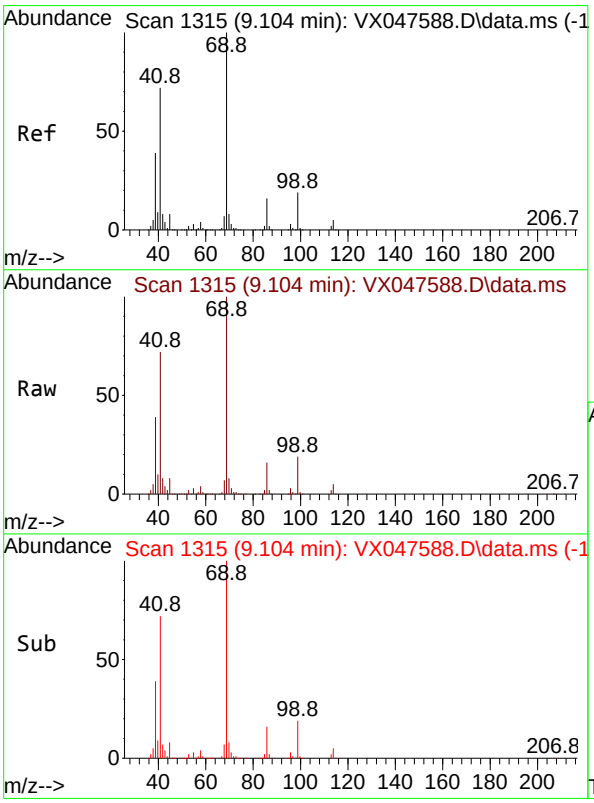
#55
1,1,2-Trichloroethane
Concen: 51.915 ug/l
RT: 9.135 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 112837

Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.6	104.4
85	56.3	45.0	67.6
99	62.0	49.6	74.4

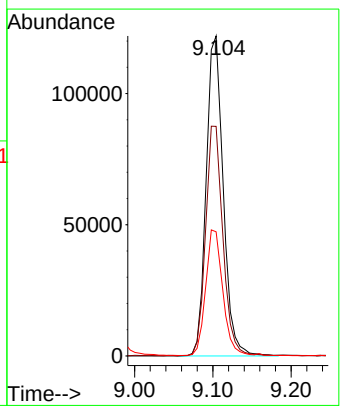


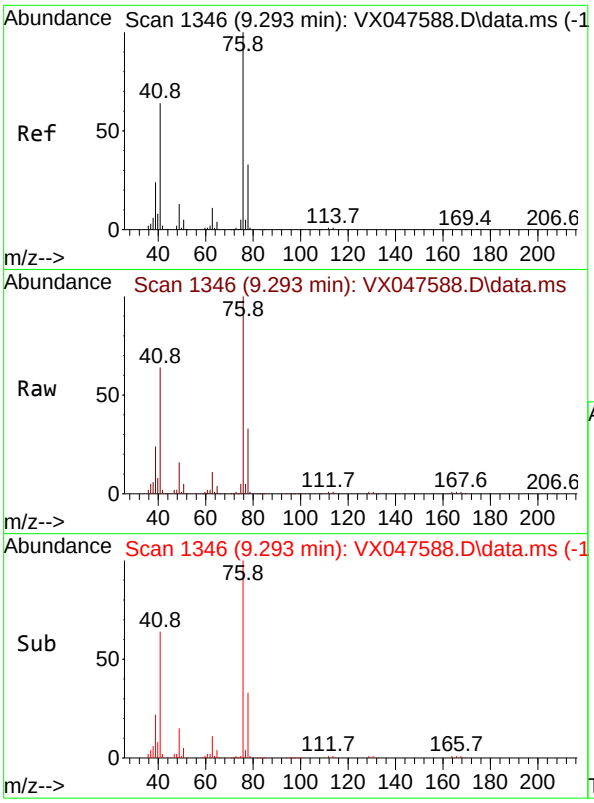


#56
Ethyl methacrylate
Concen: 53.930 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 69 Resp: 184087

Ion	Ratio	Lower	Upper
69	100		
41	73.2	58.6	87.8
39	39.4	31.5	47.3



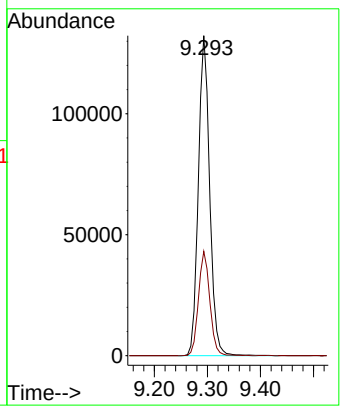


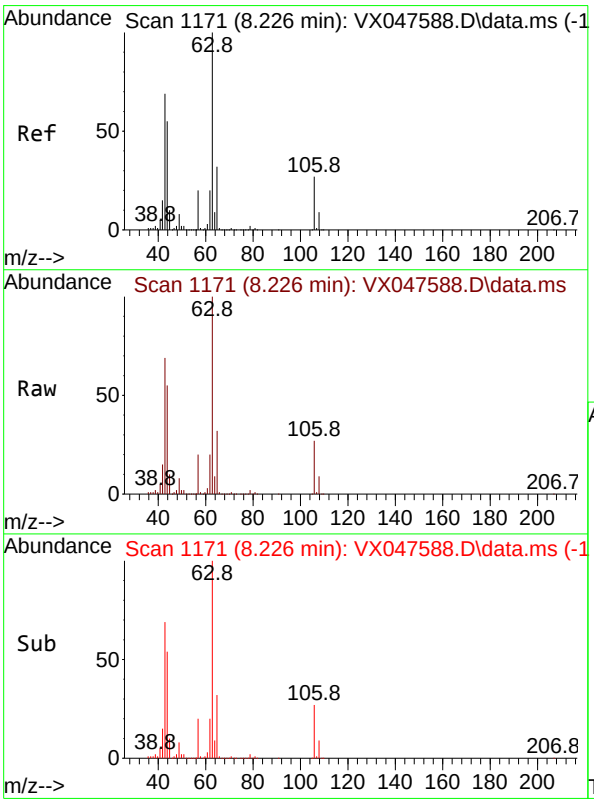
#57
1,3-Dichloropropane
Concen: 52.492 ug/l
RT: 9.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 195989

Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.2	39.4

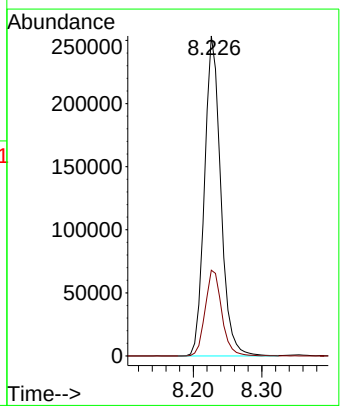


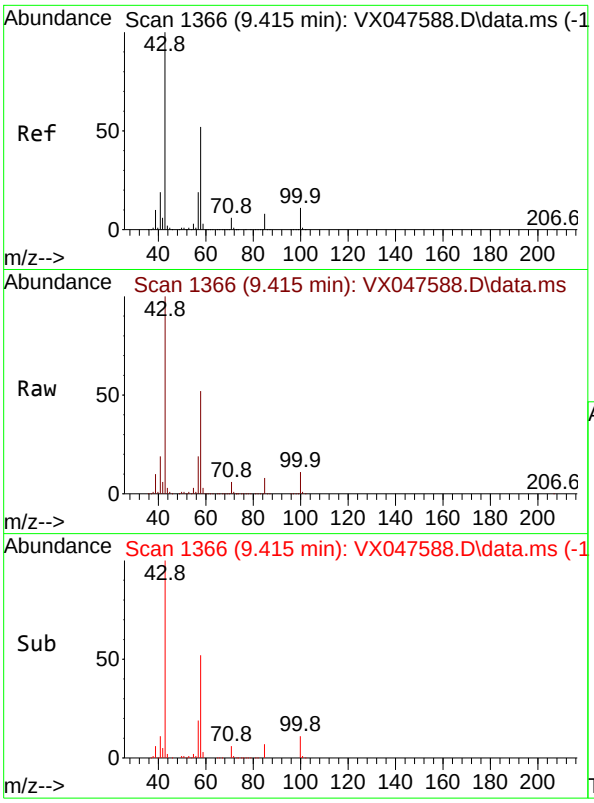


#58
2-Chloroethyl Vinyl ether
Concen: 256.309 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 63 Resp: 418707

Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.9	32.9



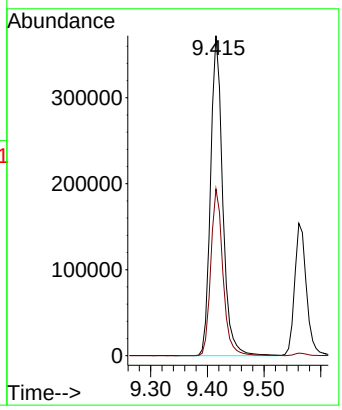


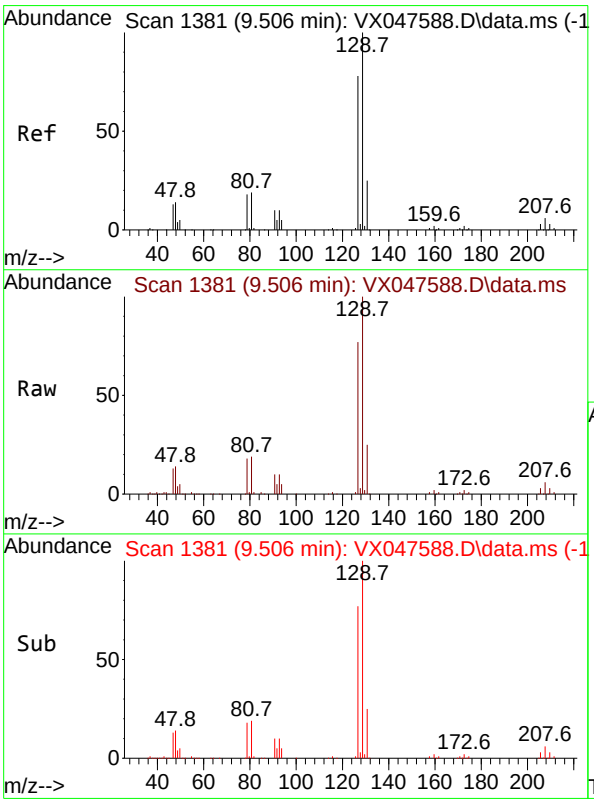
#59
2-Hexanone
Concen: 262.683 ug/l
RT: 9.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 553313

Ion	Ratio	Lower	Upper
43	100		
58	52.1	26.1	78.2

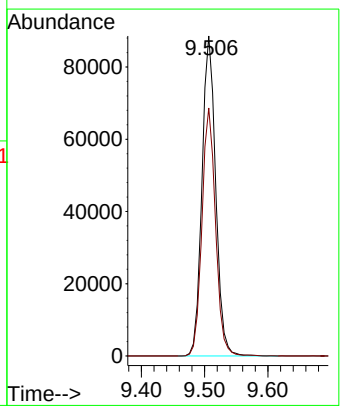


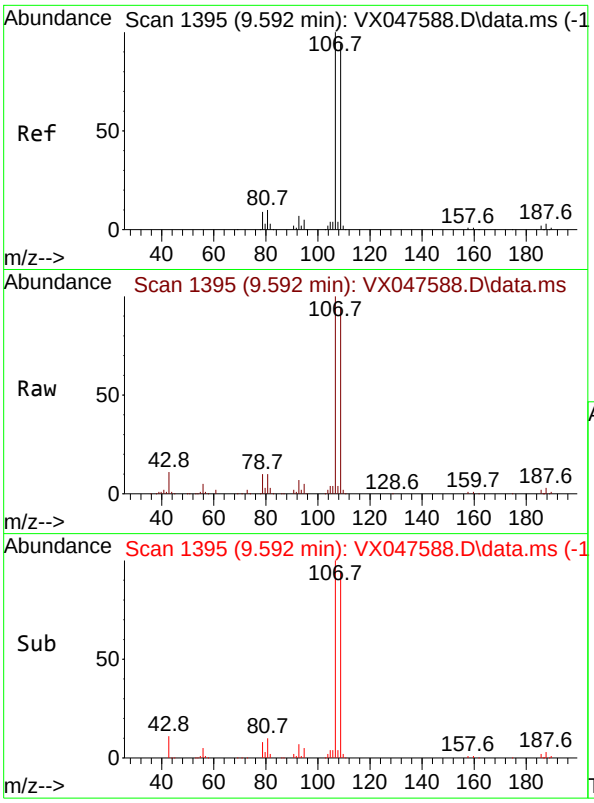


#60
Dibromochloromethane
Concen: 53.401 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:129 Resp: 133737

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.4	115.2



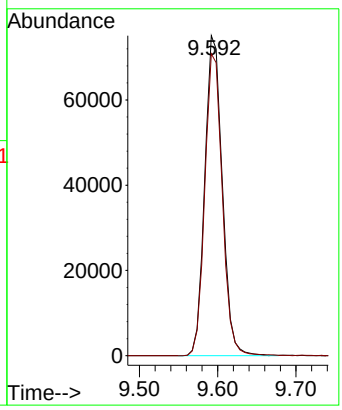


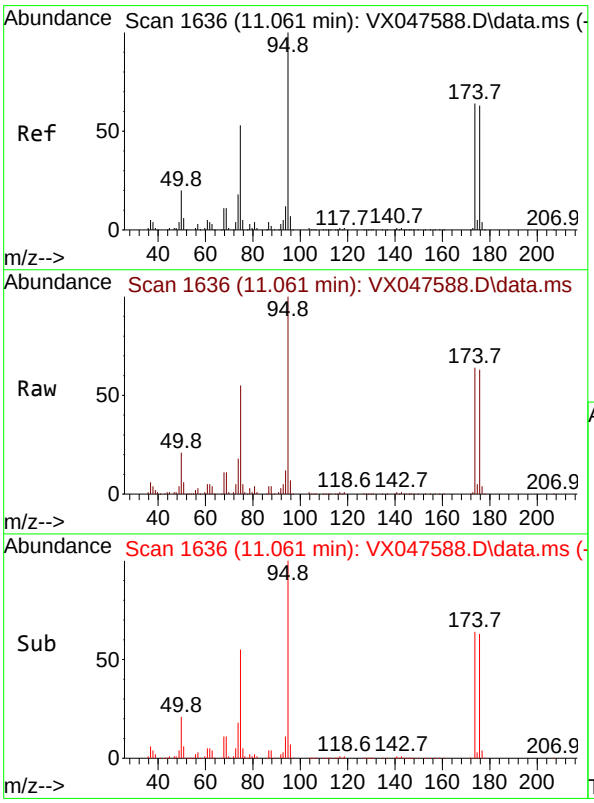
#61
1,2-Dibromoethane
Concen: 52.607 ug/l
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 116462

Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.3	112.9

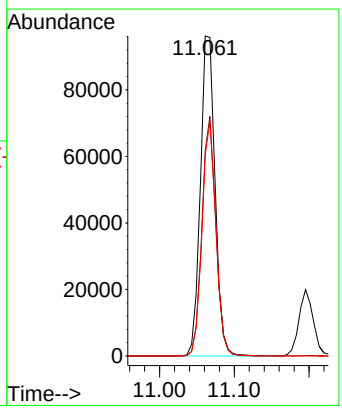


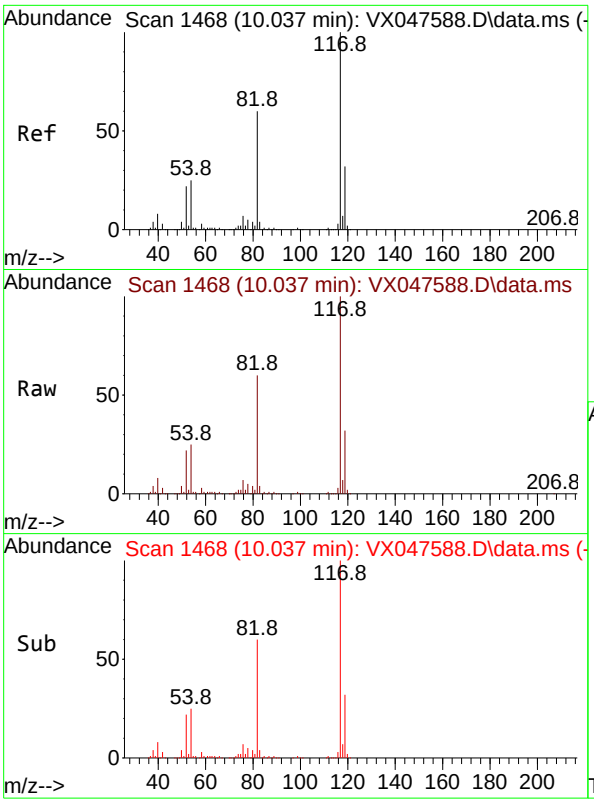


#62
4-Bromofluorobenzene
Concen: 48.471 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 95 Resp: 131217

Ion	Ratio	Lower	Upper
95	100		
174	70.8	0.0	141.6
176	69.2	0.0	138.4



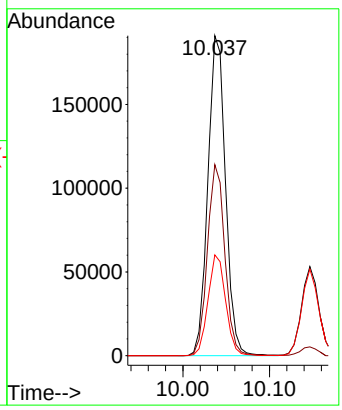


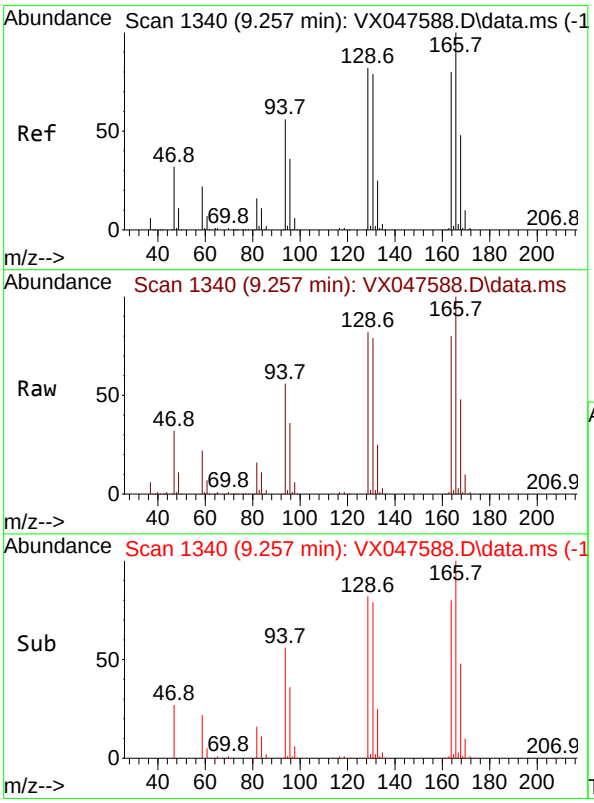
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 270040

Ion	Ratio	Lower	Upper
117	100		
82	59.7	47.8	71.6
119	31.5	25.2	37.8

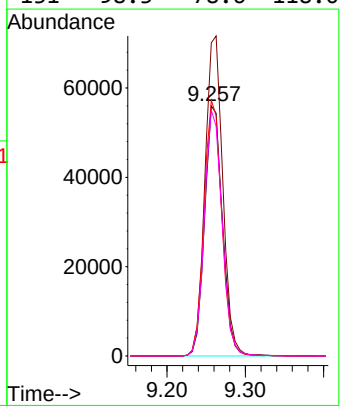


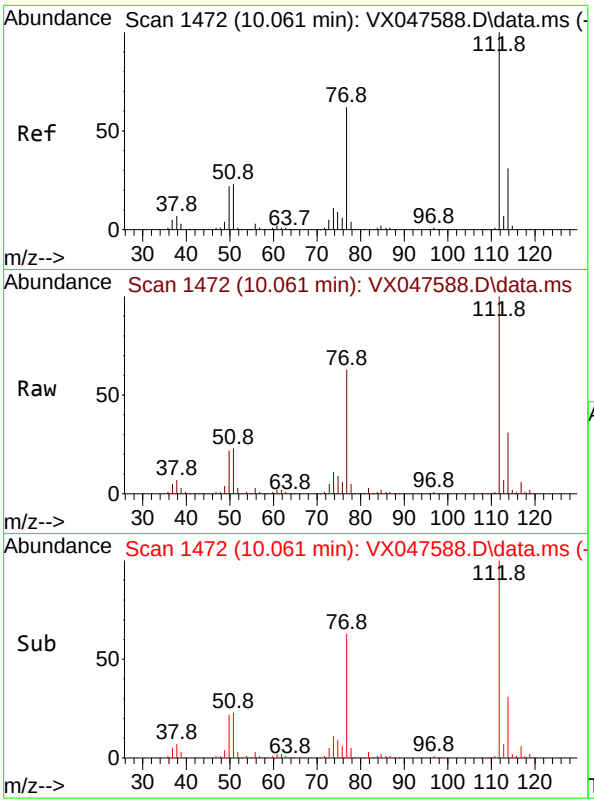


#64
Tetrachloroethene
Concen: 50.074 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:164 Resp: 88149

Ion	Ratio	Lower	Upper
164	100		
166	125.2	100.2	150.2
129	102.2	81.8	122.6
131	98.3	78.6	118.0



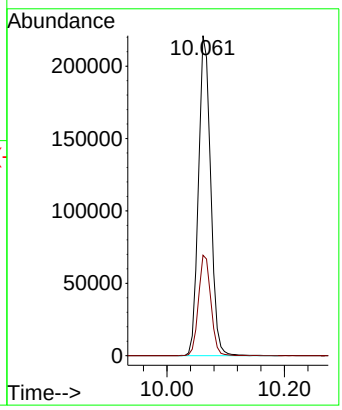


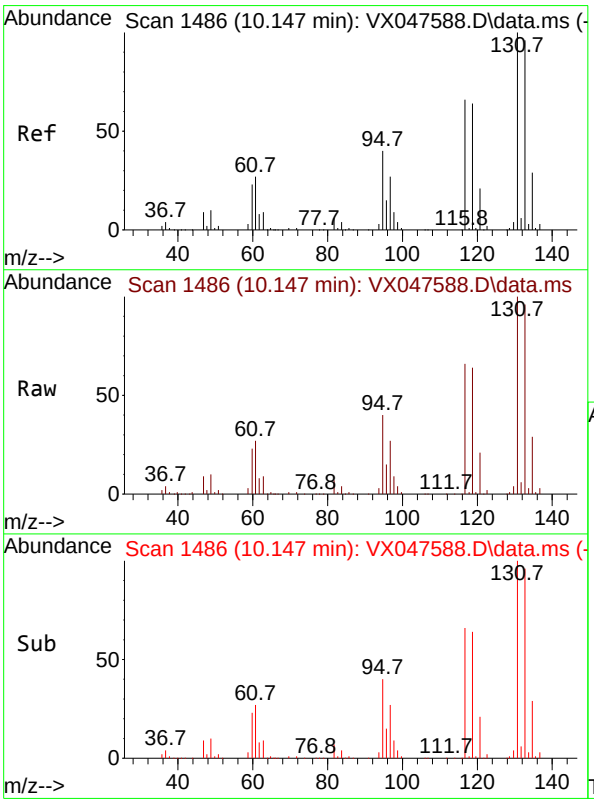
#65
Chlorobenzene
Concen: 51.833 ug/l
RT: 10.061 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 317982

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.1	37.7

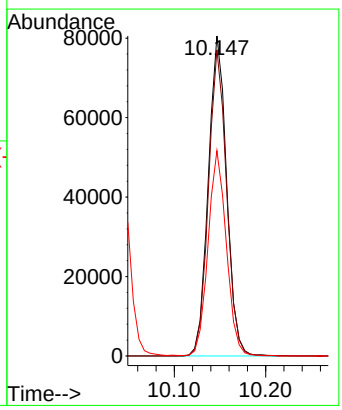


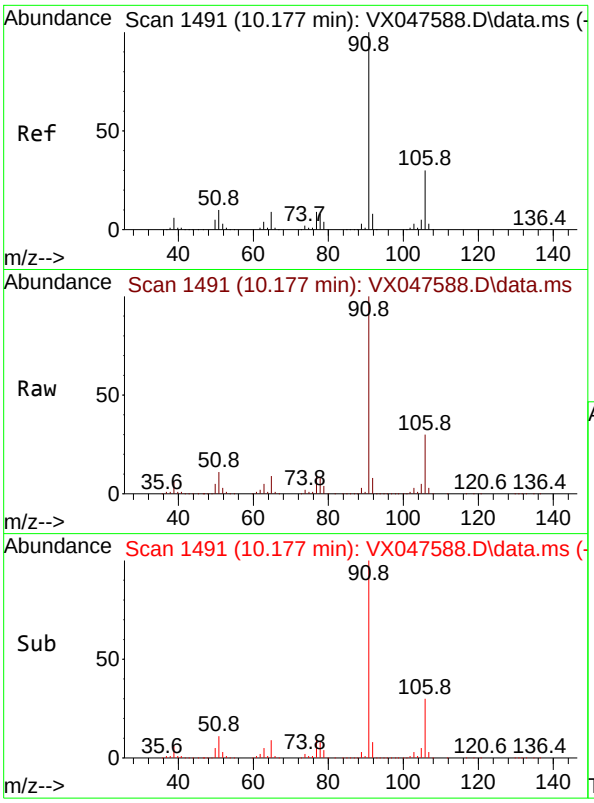


#66
1,1,1,2-Tetrachloroethane
Concen: 52.835 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:131 Resp: 111849

Ion	Ratio	Lower	Upper
131	100		
133	94.7	47.3	142.0
119	64.0	32.0	96.0



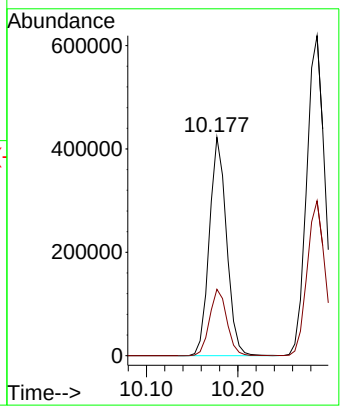


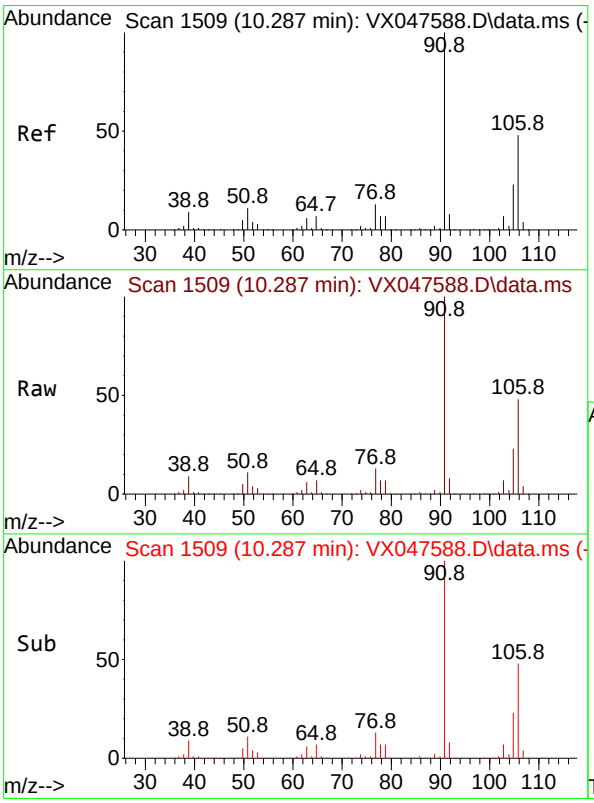
#67
Ethyl Benzene
Concen: 52.017 ug/l
RT: 10.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 550610

Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.3	36.5

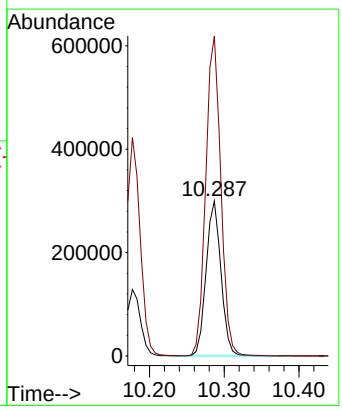


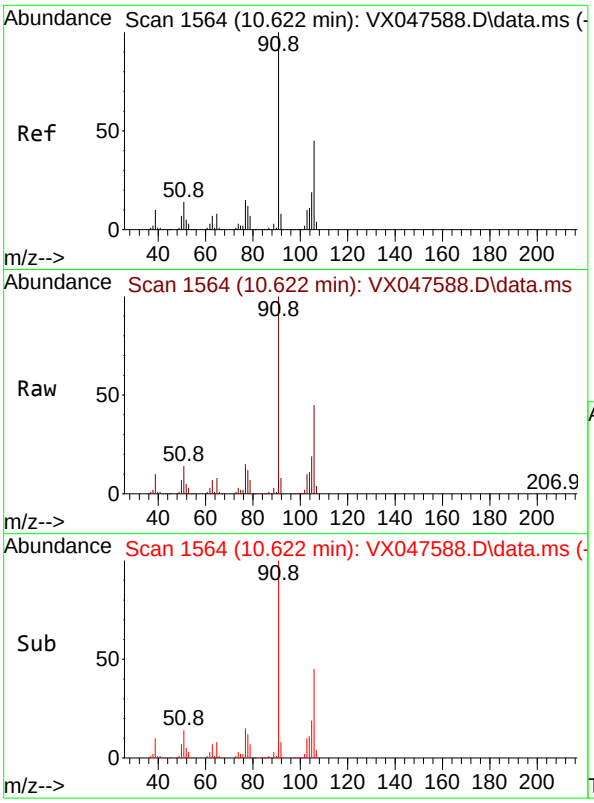


#68
m/p-Xylenes
Concen: 104.809 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:106 Resp: 412932

Ion	Ratio	Lower	Upper
106	100		
91	209.8	167.8	251.8



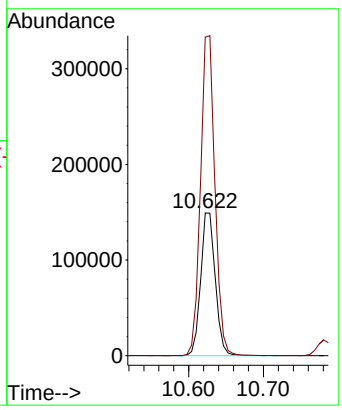


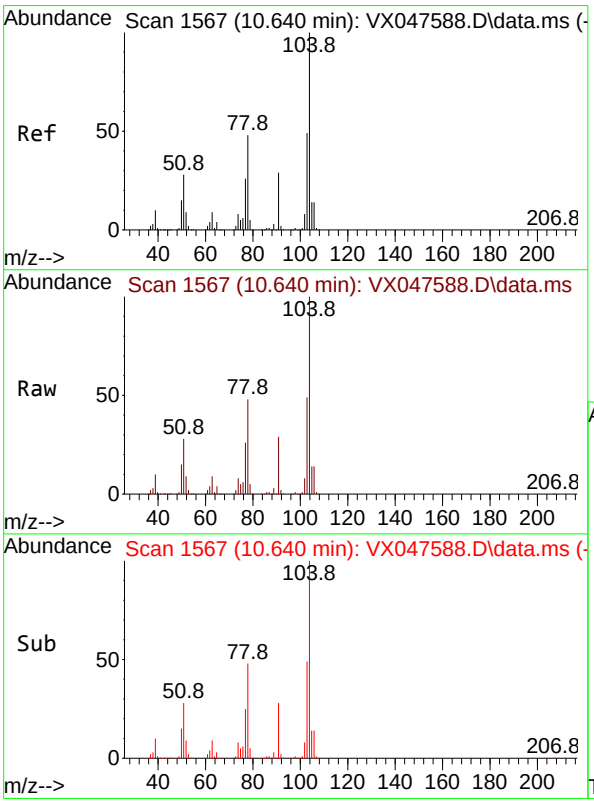
#69
o-Xylene
Concen: 53.084 ug/l
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 202291

Ion	Ratio	Lower	Upper
106	100		
91	222.3	111.1	333.4

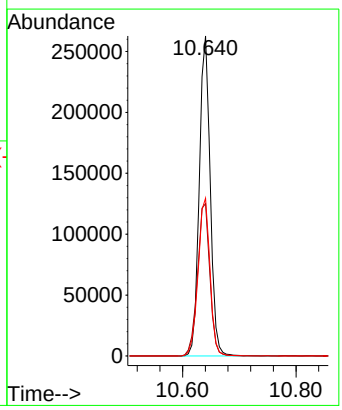


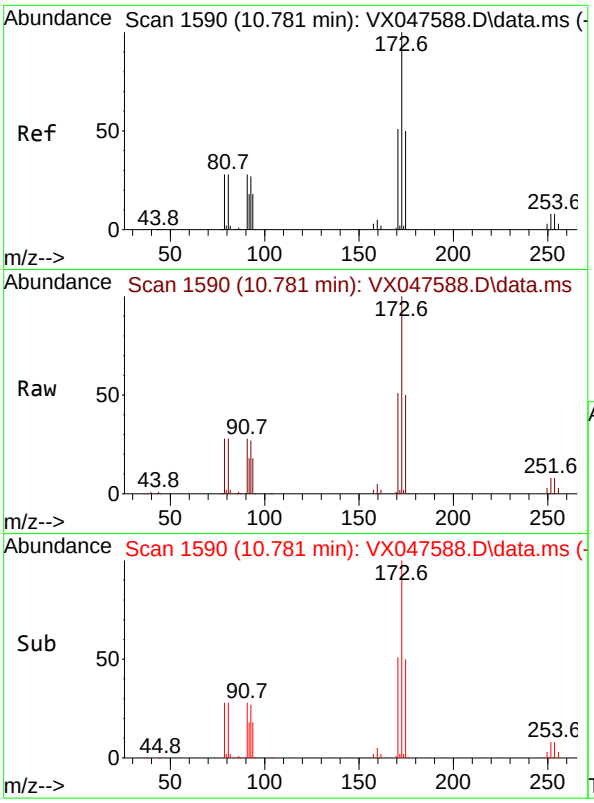


#70
Styrene
Concen: 52.515 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:104 Resp: 350654

Ion	Ratio	Lower	Upper
104	100		
78	53.9	43.1	64.7
103	53.9	43.1	64.7



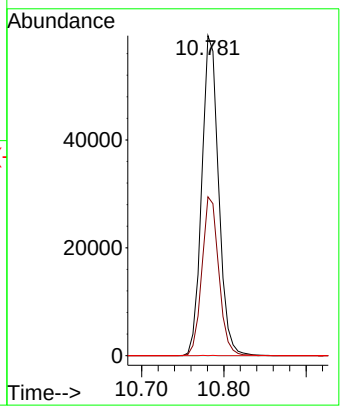


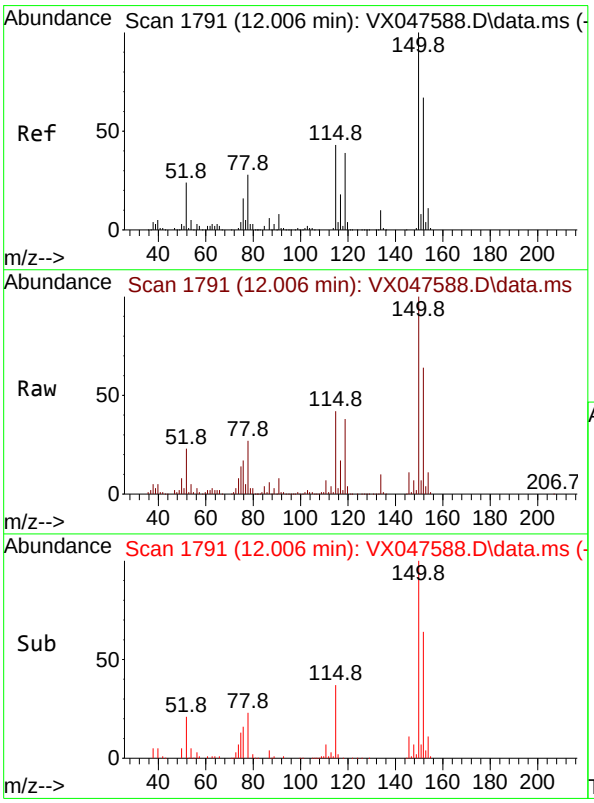
#71
Bromoform
Concen: 53.447 ug/l
RT: 10.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 84485

Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.9	74.6
254	0.1	0.1	0.1#

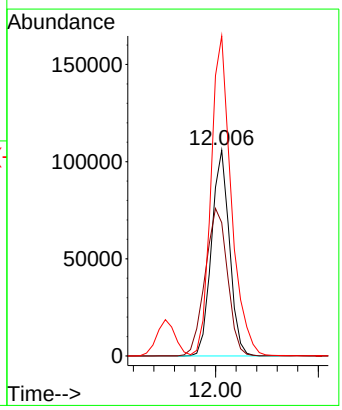


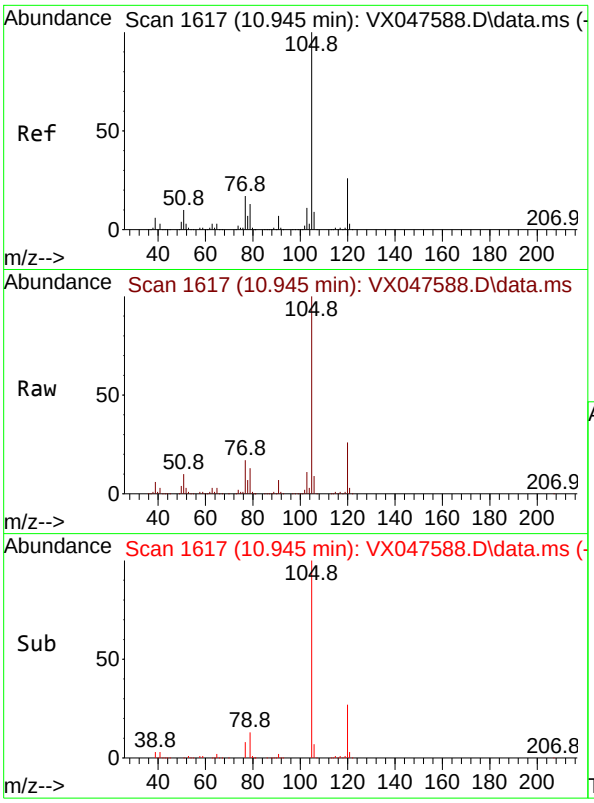


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:152 Resp: 127732

Ion	Ratio	Lower	Upper
152	100		
115	89.7	44.9	134.5
150	176.0	0.0	352.0



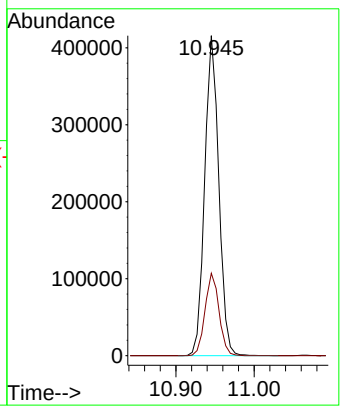


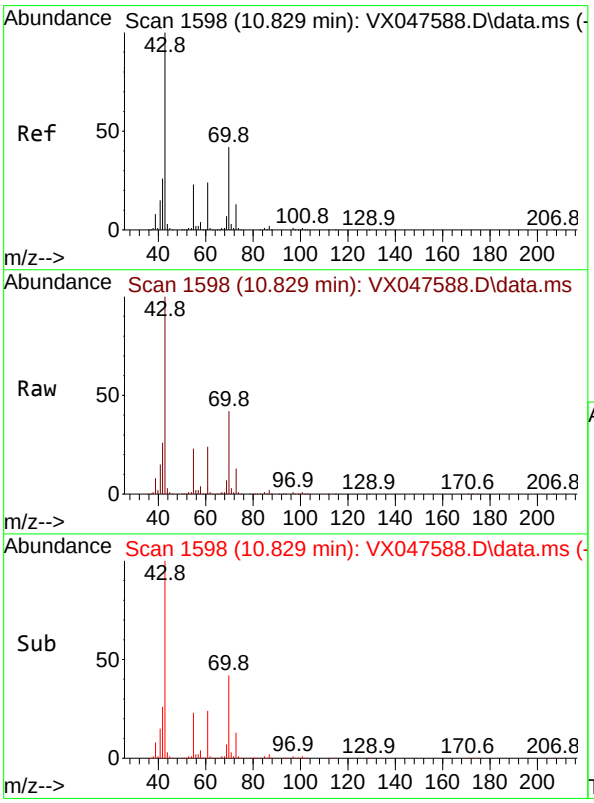
#73
Isopropylbenzene
Concen: 53.227 ug/l
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 516891

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4

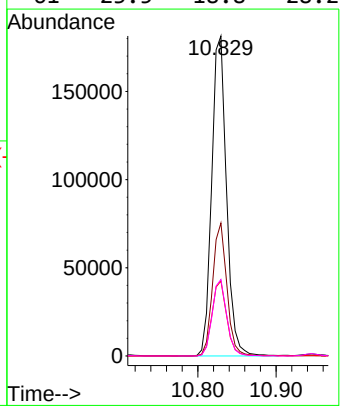


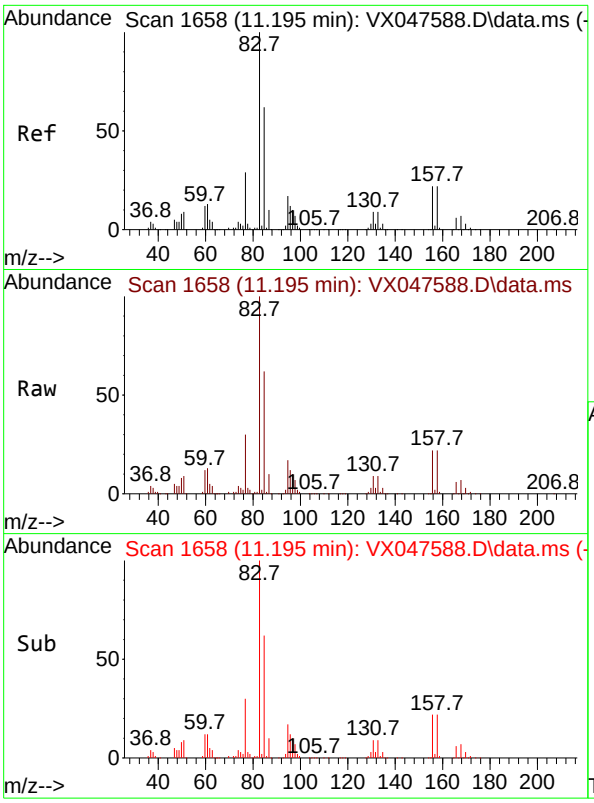


#74
N-amyl acetate
Concen: 53.710 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 237846

Ion	Ratio	Lower	Upper
43	100		
70	40.0	32.0	48.0
55	23.6	18.9	28.3
61	23.5	18.8	28.2



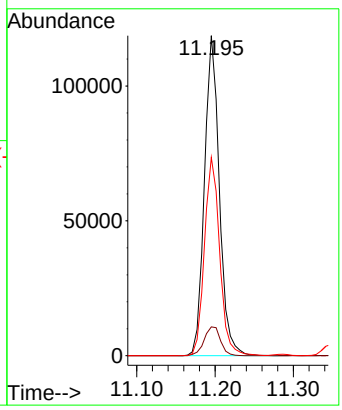


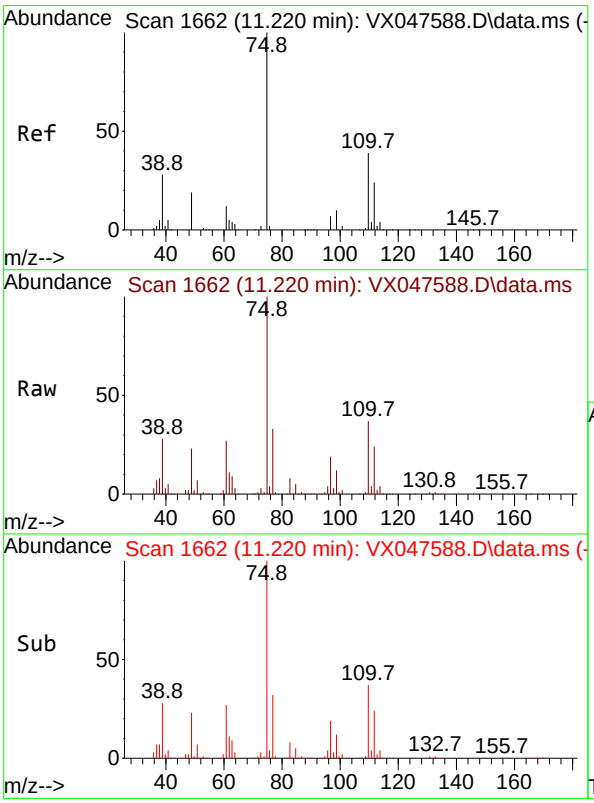
#75
1,1,2,2-Tetrachloroethane
Concen: 53.251 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 156454

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	63.3	31.6	95.0

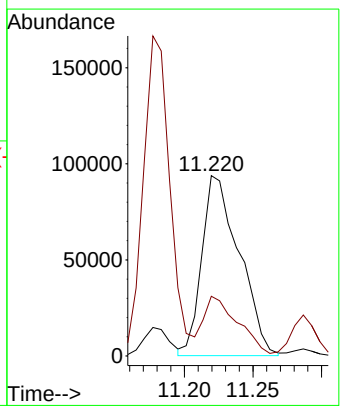


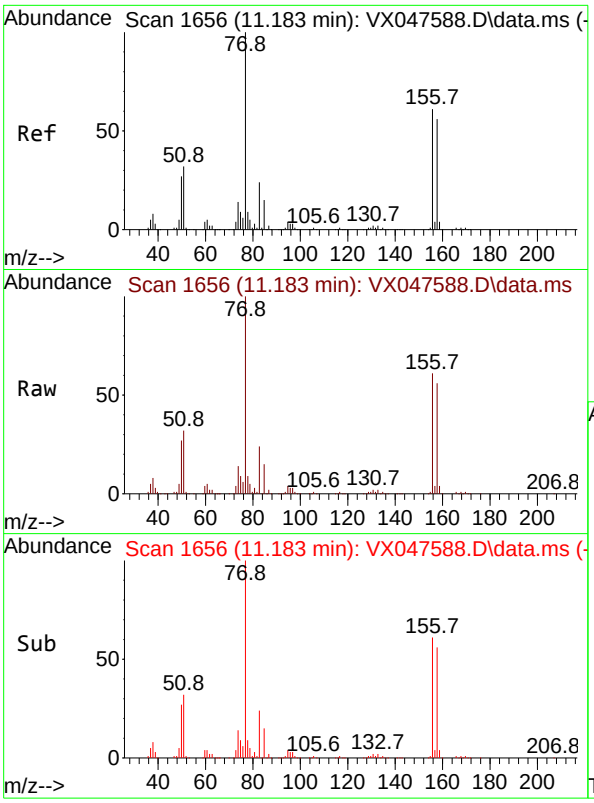


#76
1,2,3-Trichloropropane
Concen: 68.947 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 178309

Ion	Ratio	Lower	Upper
75	100		
77	30.4	18.8	56.4



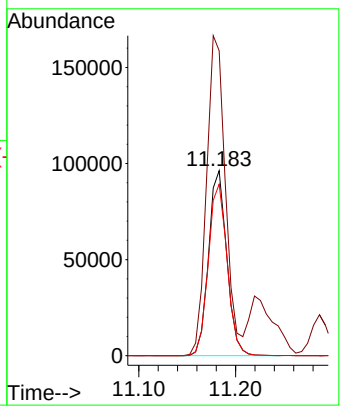


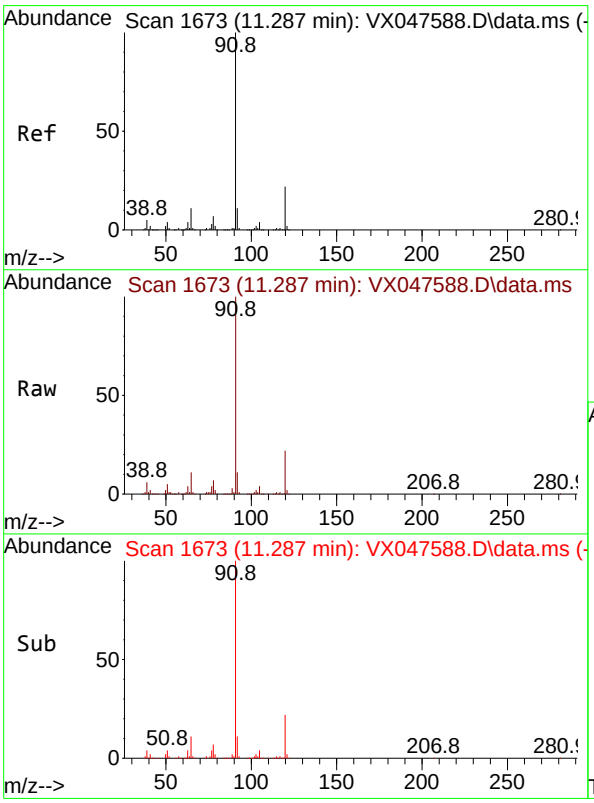
#77
Bromobenzene
Concen: 52.754 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 126174

Ion	Ratio	Lower	Upper
156	100		
77	179.4	89.7	269.1
158	95.7	47.9	143.6

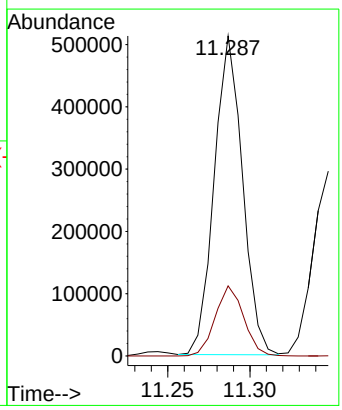


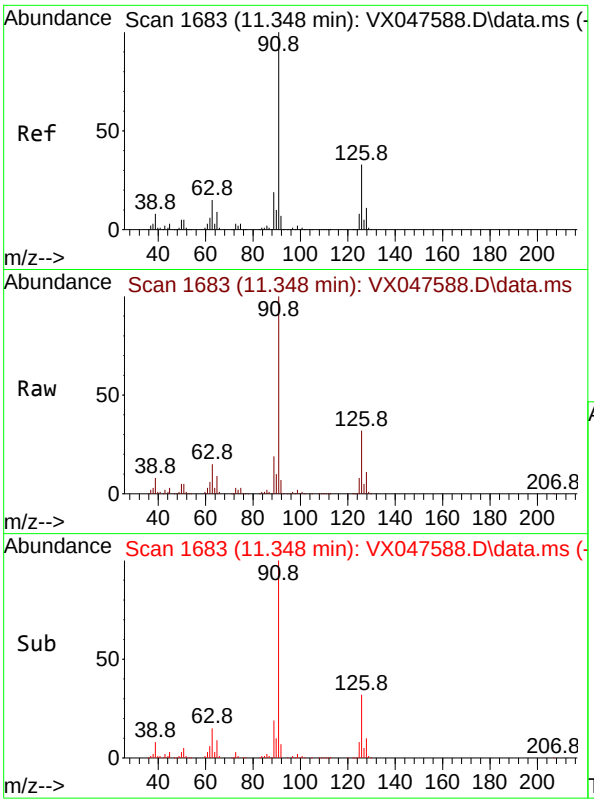


#78
n-propylbenzene
Concen: 53.315 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 612035

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.1



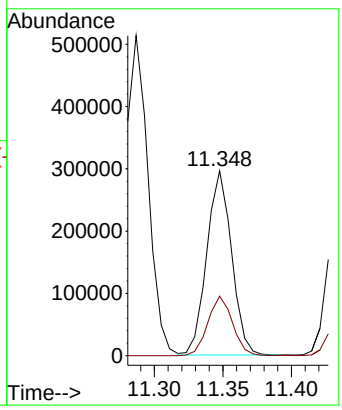


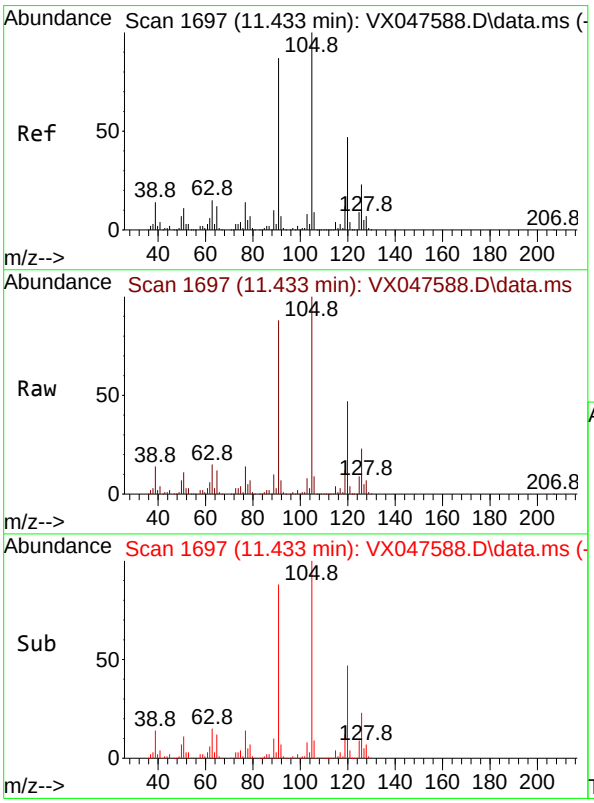
#79
2-Chlorotoluene
Concen: 52.965 ug/l
RT: 11.348 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 372397

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.3

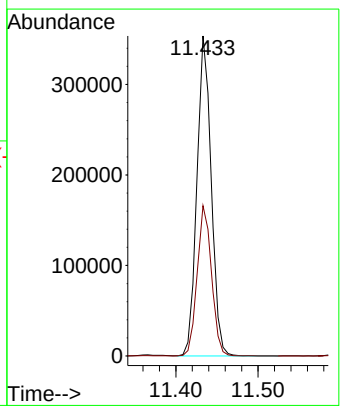


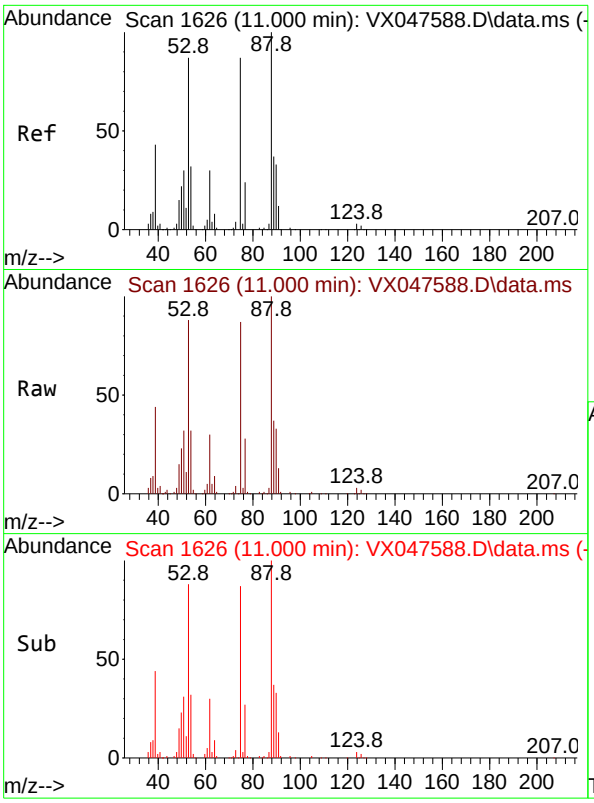


#80
1,3,5-Trimethylbenzene
Concen: 53.518 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 426989

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.6	70.8



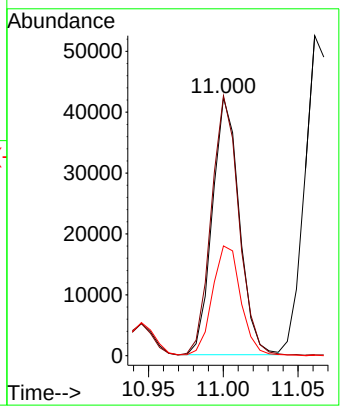


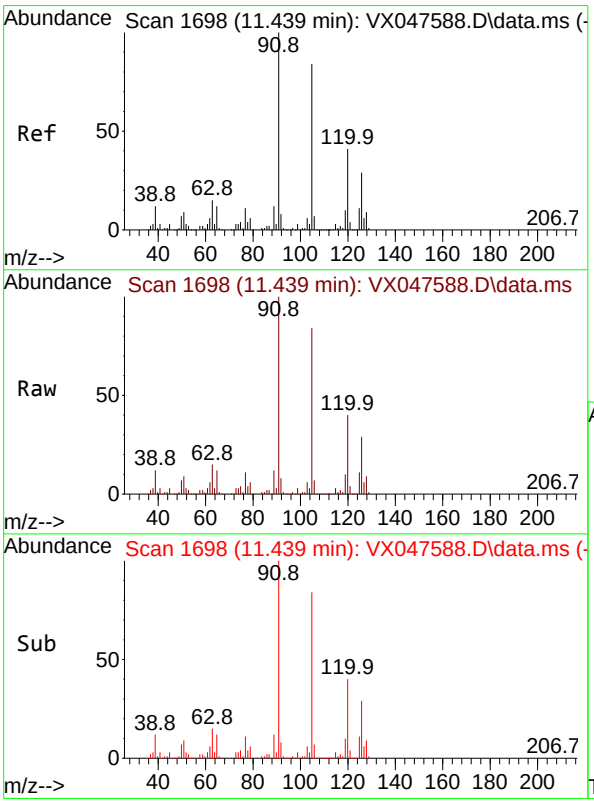
#81
trans-1,4-Dichloro-2-butene
Concen: 52.190 ug/l
RT: 11.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 52927

Ion	Ratio	Lower	Upper
75	100		
53	104.3	83.4	125.2
89	45.4	36.3	54.5

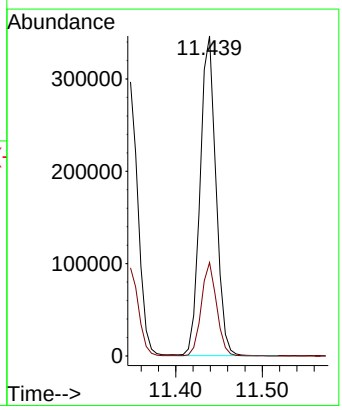


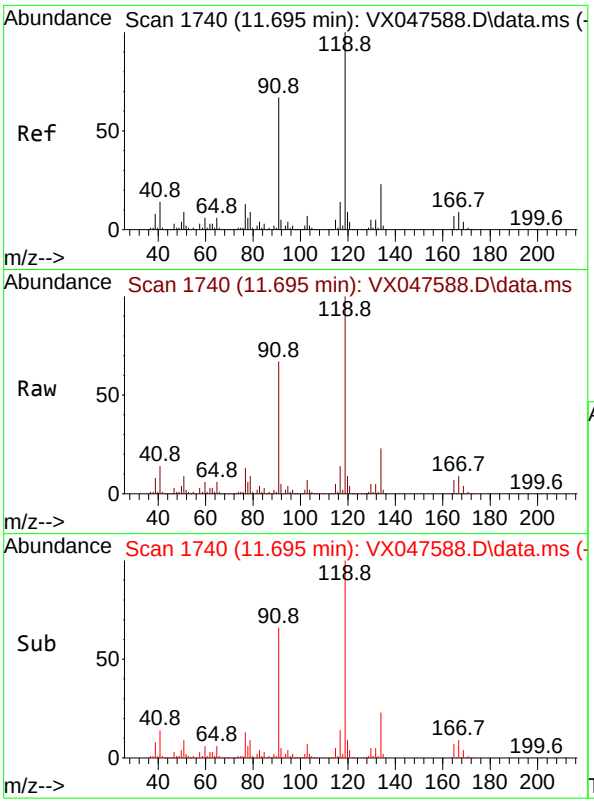


#82
4-Chlorotoluene
Concen: 52.806 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 438502

Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.2	42.6



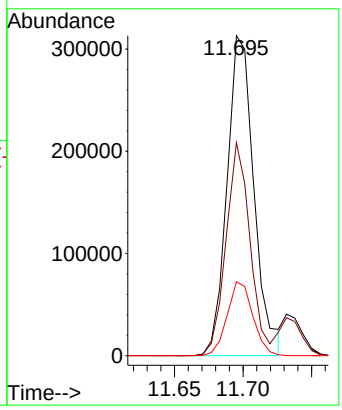


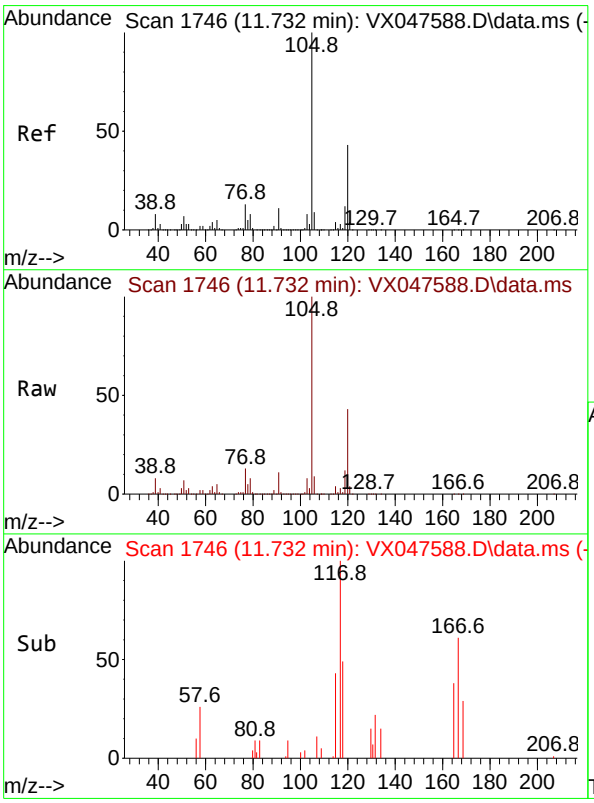
#83
tert-Butylbenzene
Concen: 52.539 ug/l
RT: 11.695 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 429107

Ion	Ratio	Lower	Upper
119	100		
91	59.2	29.6	88.8
134	22.0	11.0	33.0

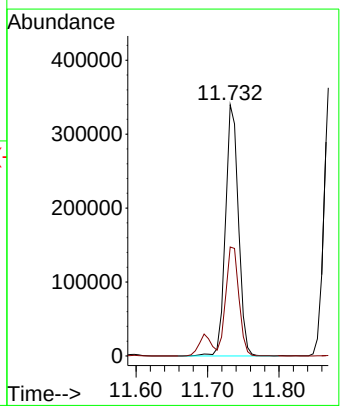


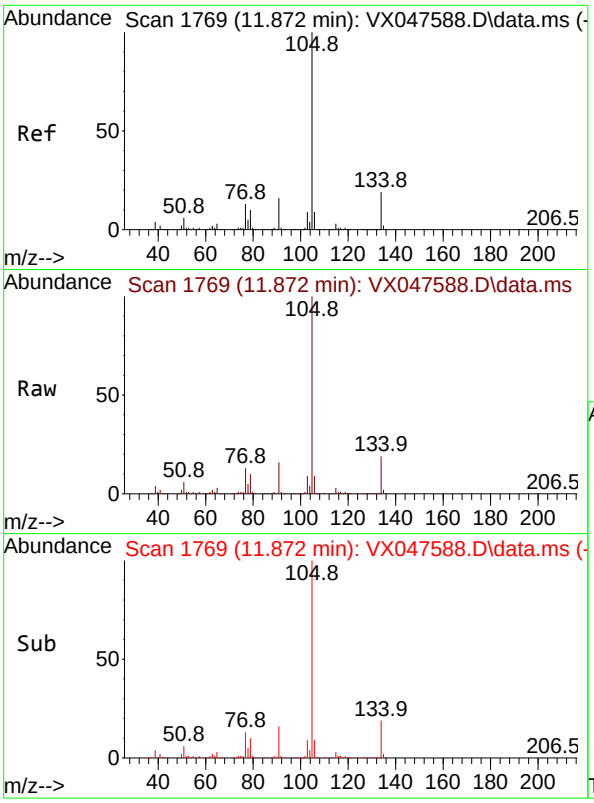


#84
1,2,4-Trimethylbenzene
Concen: 52.798 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 427073

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1



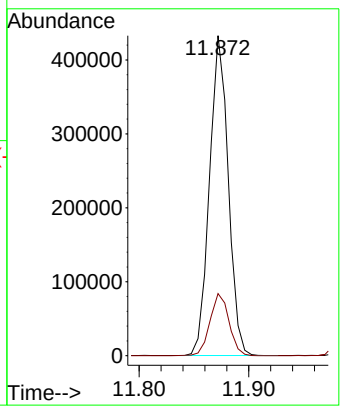


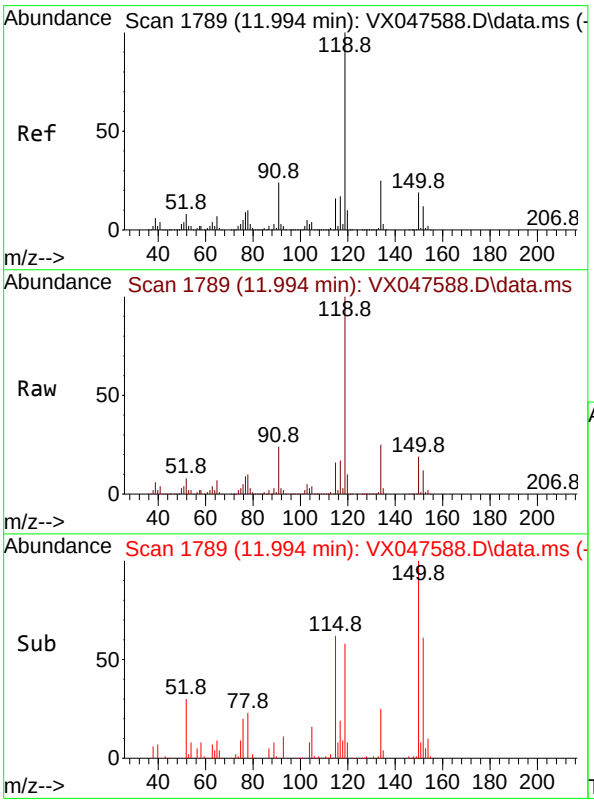
#85
sec-Butylbenzene
Concen: 53.029 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 514442

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

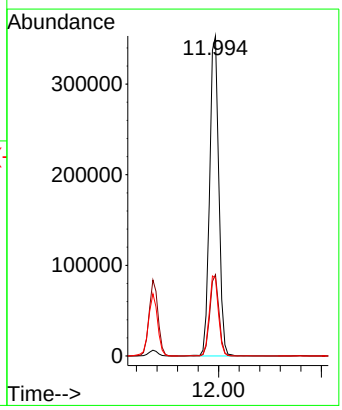


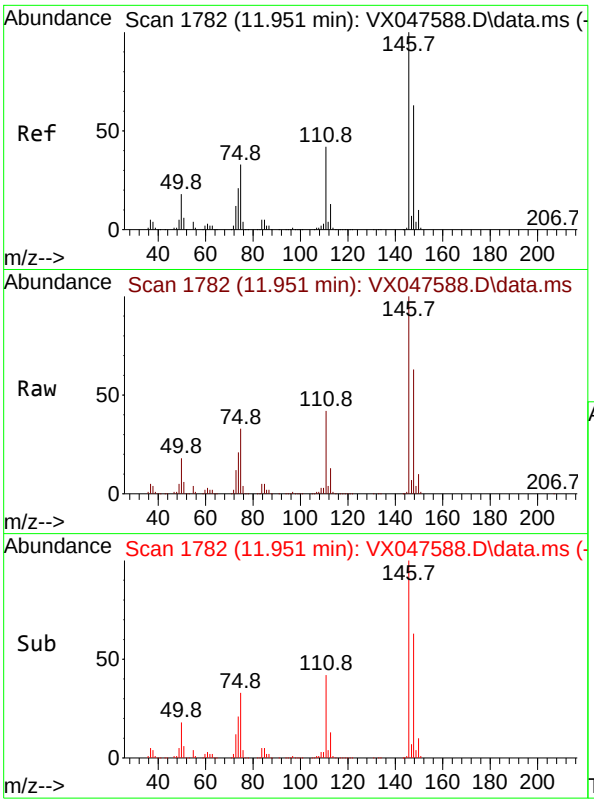


#86
p-Isopropyltoluene
Concen: 53.172 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:119 Resp: 436704

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.8
91	25.1	12.6	37.6



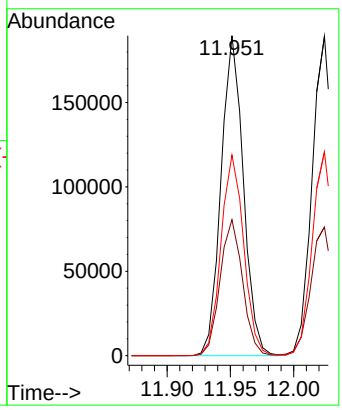


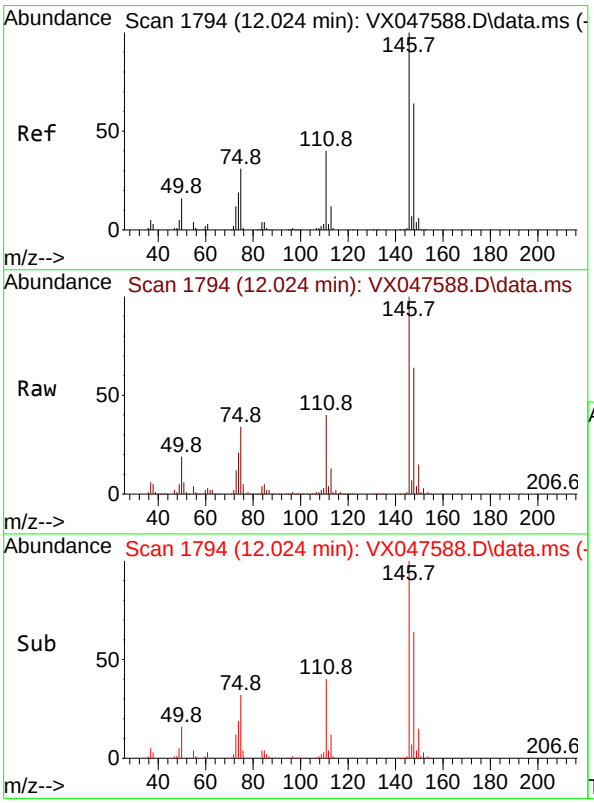
#87
1,3-Dichlorobenzene
Concen: 52.232 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 232038

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.5	64.5
148	64.0	32.0	96.0

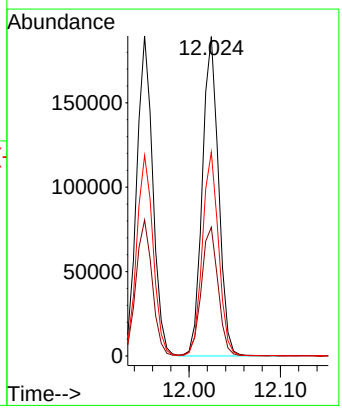


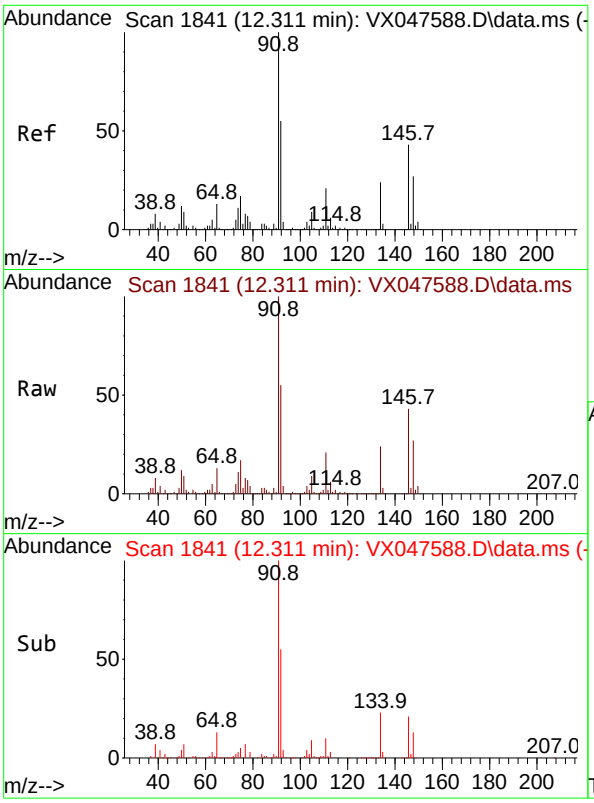


#88
1,4-Dichlorobenzene
Concen: 51.316 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:146 Resp: 233975

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.4
148	63.4	31.7	95.1



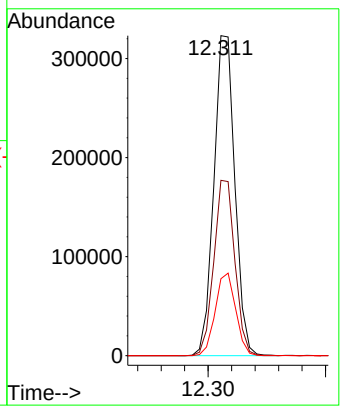


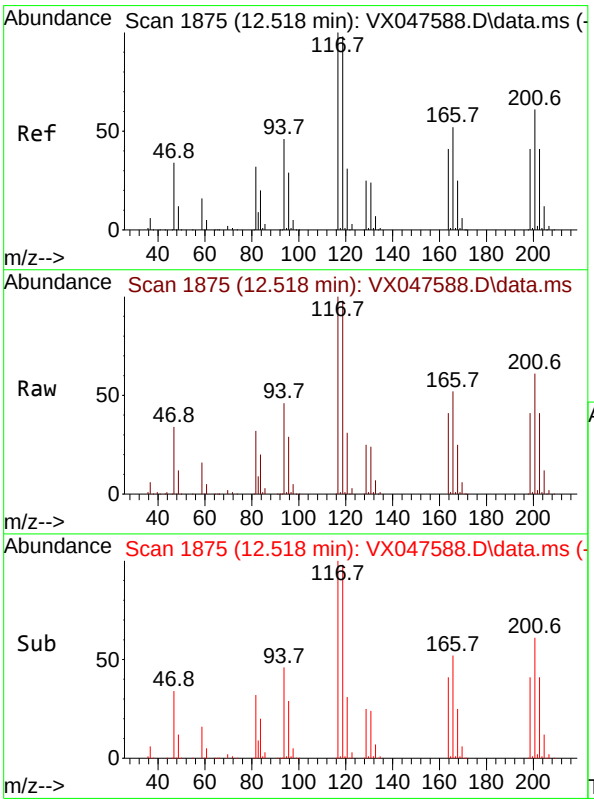
#89
n-Butylbenzene
Concen: 52.766 ug/l
RT: 12.311 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 400997

Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.6	82.7
134	25.2	12.6	37.8

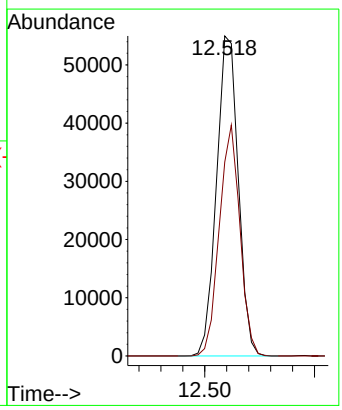


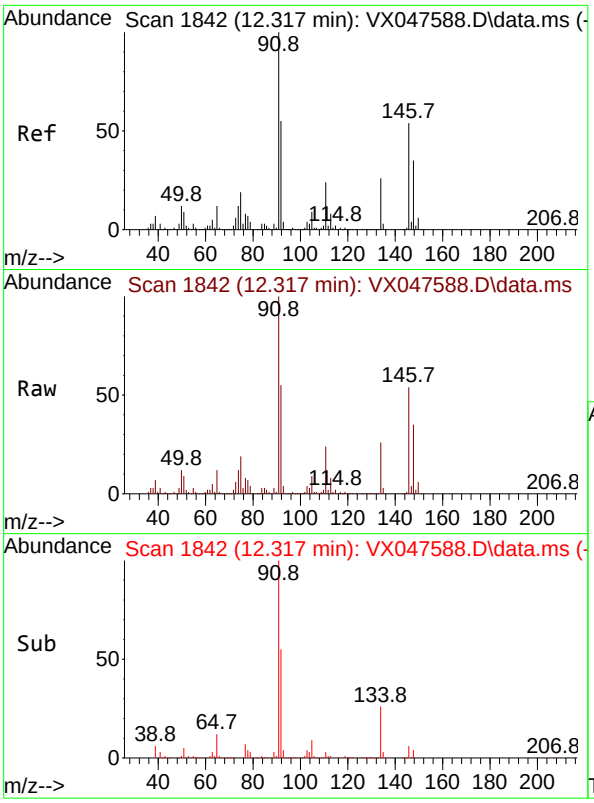


#90
Hexachloroethane
Concen: 52.567 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:117 Resp: 75800

Ion	Ratio	Lower	Upper
117	100		
201	68.3	34.2	102.5



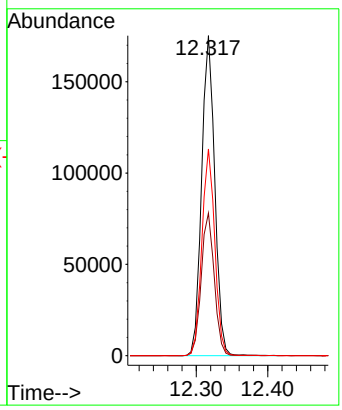


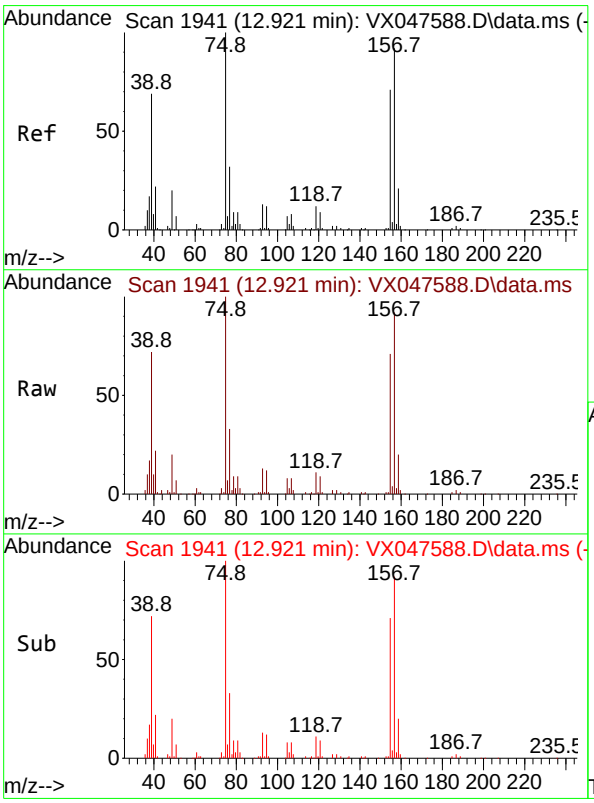
#91
1,2-Dichlorobenzene
Concen: 52.688 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 222993

Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.2	66.6
148	63.6	31.8	95.4

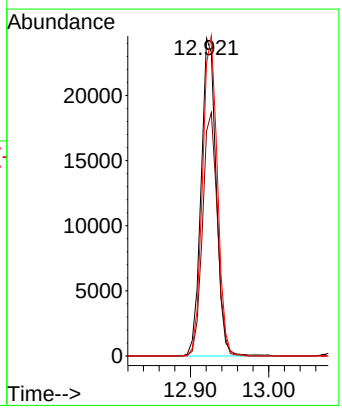


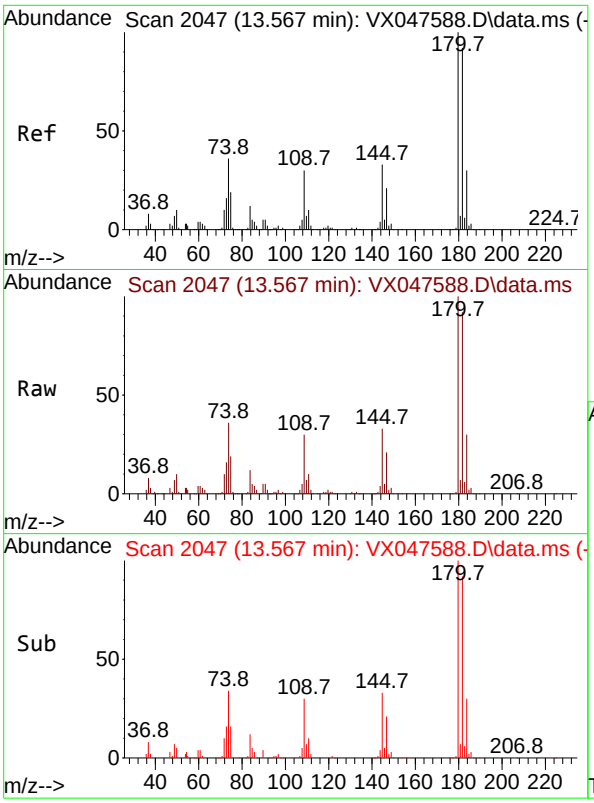


#92
1,2-Dibromo-3-Chloropropane
Concen: 54.554 ug/l
RT: 12.921 min Scan# 1941
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 32451

Ion	Ratio	Lower	Upper
75	100		
155	75.4	37.7	113.1
157	99.6	49.8	149.4



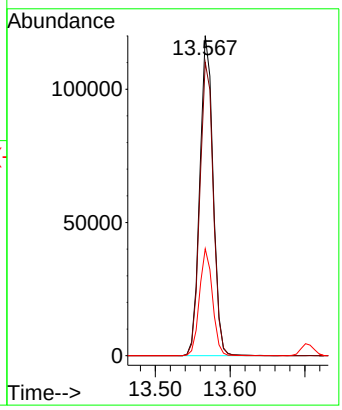


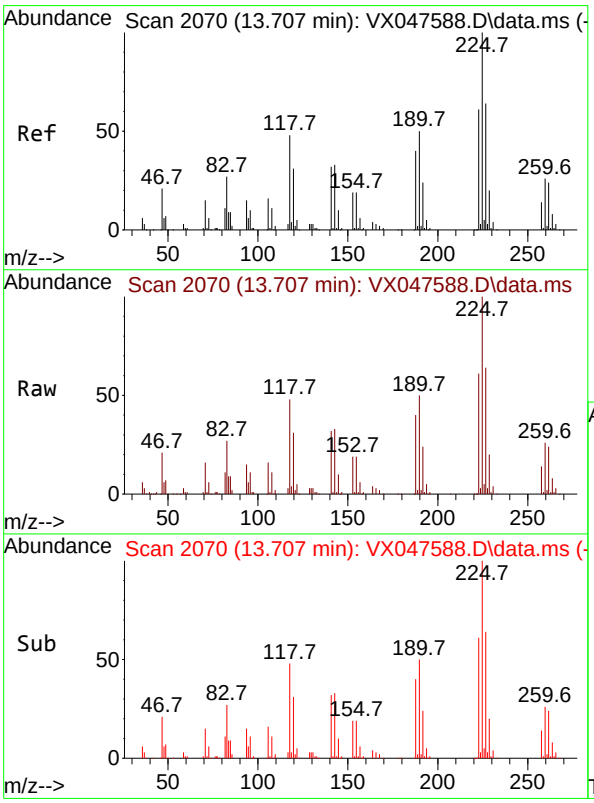
#93
1,2,4-Trichlorobenzene
Concen: 53.685 ug/l
RT: 13.567 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 147670

Ion	Ratio	Lower	Upper
180	100		
182	93.2	46.6	139.8
145	32.7	16.4	49.1

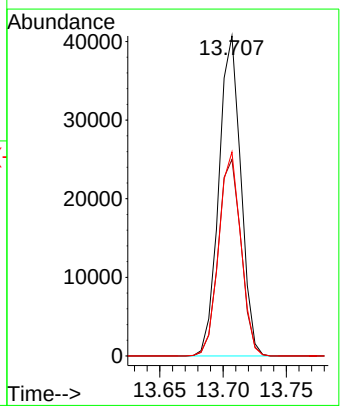


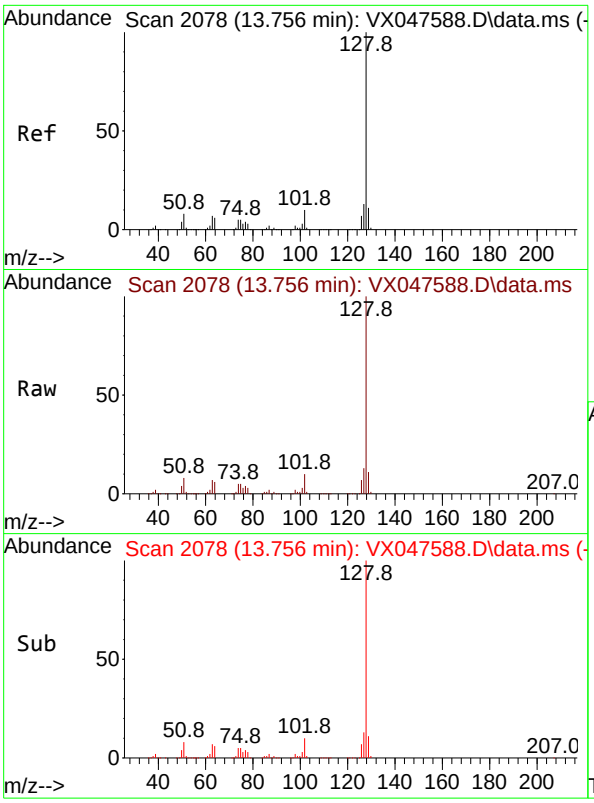


#94
Hexachlorobutadiene
Concen: 52.510 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:225 Resp: 49061

Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.7	95.1
227	64.0	32.0	96.0



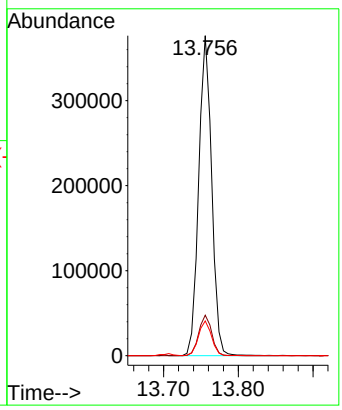


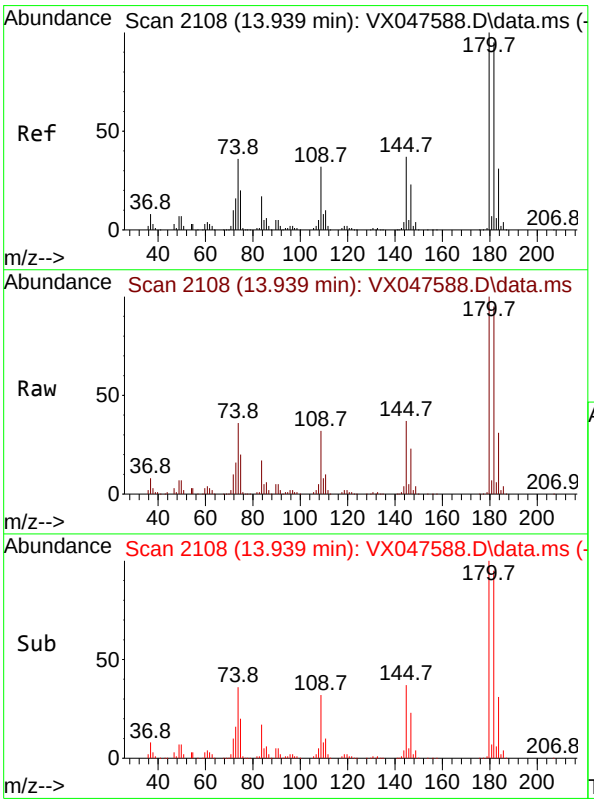
#95
Naphthalene
Concen: 53.966 ug/l
RT: 13.756 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 452013

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.0	8.8	13.2

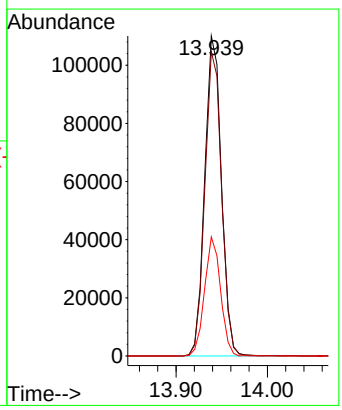




#96
1,2,3-Trichlorobenzene
Concen: 54.316 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:180 Resp: 138978

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.6	142.8
145	35.8	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Sep 22 01:51:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.532	168	169280	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	298913	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	258399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	122218	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	275758	102.341	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 204.680%#			
35) Dibromofluoromethane	5.361	113	212419	105.962	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 211.920%#			
50) Toluene-d8	8.629	98	724078	104.386	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 208.780%#			
62) 4-Bromofluorobenzene	11.061	95	270289	102.672	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 205.340%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	172727	98.537	ug/l	100
3) Chloromethane	1.301	50	229165	99.472	ug/l	100
4) Vinyl Chloride	1.380	62	229175	101.621	ug/l	100
5) Bromomethane	1.611	94	143113	100.076	ug/l	99
6) Chloroethane	1.691	64	152487	101.167	ug/l	99
7) Trichlorofluoromethane	1.892	101	344488	102.878	ug/l	100
8) Diethyl Ether	2.130	74	142038	103.695	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	199843	102.067	ug/l	99
10) Methyl Iodide	2.453	142	313092	102.531	ug/l	99
11) Tert butyl alcohol	2.947	59	152108	506.863	ug/l	98
12) 1,1-Dichloroethene	2.319	96	206097	102.473	ug/l	93
13) Acrolein	2.233	56	150793	545.276	ug/l	97
14) Allyl chloride	2.660	41	415140	100.028	ug/l	99
15) Acrylonitrile	3.056	53	581240	522.897	ug/l	100
16) Acetone	2.374	43	510542	435.772	ug/l	100
17) Carbon Disulfide	2.514	76	537888	97.693	ug/l	98
18) Methyl Acetate	2.697	43	292867	112.324	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	748952	102.011	ug/l	100
20) Methylene Chloride	2.782	84	242548	97.805	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	217759	100.566	ug/l	98
22) Diisopropyl ether	3.745	45	811840	100.934	ug/l	88
23) Vinyl Acetate	3.709	43	3314707	514.916	ug/l	99
24) 1,1-Dichloroethane	3.599	63	435815	101.944	ug/l	98
25) 2-Butanone	4.532	43	700827	479.558	ug/l	97
26) 2,2-Dichloropropane	4.465	77	357292	100.542	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	266550	100.516	ug/l	100
28) Bromochloromethane	4.873	49	198788	106.512	ug/l	99
29) Tetrahydrofuran	4.977	42	443530	504.502	ug/l	99
30) Chloroform	5.074	83	433937	100.447	ug/l	100
31) Cyclohexane	5.452	56	332995	93.523	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	372323	101.607	ug/l	99
36) 1,1-Dichloropropene	5.672	75	281650	96.149	ug/l	98
37) Ethyl Acetate	4.690	43	318793	101.641	ug/l	99
38) Carbon Tetrachloride	5.660	117	314745	98.891	ug/l	98
39) Methylcyclohexane	7.360	83	327858	98.600	ug/l	98
40) Benzene	6.019	78	880885	99.009	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Sep 22 01:51:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	168753	104.220	ug/l	99
42) 1,2-Dichloroethane	6.062	62	331465	97.916	ug/l	100
43) Isopropyl Acetate	6.318	43	516875	100.482	ug/l	99
44) Trichloroethene	7.104	130	217753	101.234	ug/l	96
45) 1,2-Dichloropropane	7.409	63	228150	100.145	ug/l	100
46) Dibromomethane	7.562	93	164987	99.519	ug/l	99
47) Bromodichloromethane	7.806	83	345991	101.136	ug/l	98
48) Methyl methacrylate	7.671	41	260358	101.612	ug/l	100
49) 1,4-Dioxane	7.641	88	56717	2190.315	ug/l	99
51) 4-Methyl-2-Pentanone	8.555	43	1431253	501.834	ug/l	100
52) Toluene	8.702	92	536148	97.811	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	355881	101.986	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	380577	102.038	ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	205939	97.434	ug/l	97
56) Ethyl methacrylate	9.098	69	346659	104.435	ug/l	99
57) 1,3-Dichloropropane	9.293	76	362848	99.935	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	836362	499.814	ug/l	100
59) 2-Hexanone	9.415	43	996274	486.380	ug/l	100
60) Dibromochloromethane	9.506	129	251394	103.226	ug/l	99
61) 1,2-Dibromoethane	9.592	107	217751	101.147	ug/l	100
64) Tetrachloroethene	9.256	164	165559	98.284	ug/l	98
65) Chlorobenzene	10.061	112	588517	100.253	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	208621	102.988	ug/l	100
67) Ethyl Benzene	10.177	91	1031346	101.823	ug/l	100
68) m/p-Xylenes	10.287	106	763898	202.624	ug/l	99
69) o-Xylene	10.622	106	372621	102.186	ug/l	99
70) Styrene	10.634	104	649863	101.710	ug/l	100
71) Bromoform	10.781	173	161188	106.566	ug/l	98
73) Isopropylbenzene	10.945	105	954900	102.768	ug/l	100
74) N-amyl acetate	10.823	43	448344	105.812	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	281608	100.172	ug/l	98
76) 1,2,3-Trichloropropane	11.220	75	327988	132.545	ug/l	89
77) Bromobenzene	11.183	156	234666	102.541	ug/l	98
78) n-propylbenzene	11.287	91	1119728	101.941	ug/l	99
79) 2-Chlorotoluene	11.348	91	683867	101.652	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	787327	103.134	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	102555	105.689	ug/l	98
82) 4-Chlorotoluene	11.433	91	802929	101.054	ug/l	100
83) tert-Butylbenzene	11.695	119	791896	101.333	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	790557	102.144	ug/l	99
85) sec-Butylbenzene	11.872	105	945321	101.840	ug/l	100
86) p-Isopropyltoluene	11.994	119	797643	101.501	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	432248	101.689	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	431839	98.985	ug/l	100
89) n-Butylbenzene	12.311	91	757239	104.138	ug/l	99
90) Hexachloroethane	12.518	117	148048	107.304	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	414491	102.352	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	61029	107.225	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	278777	105.922	ug/l	100
94) Hexachlorobutadiene	13.707	225	92124	103.049	ug/l	99
95) Naphthalene	13.756	128	854492	106.620	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	263512	107.633	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Sep 22 01:51:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

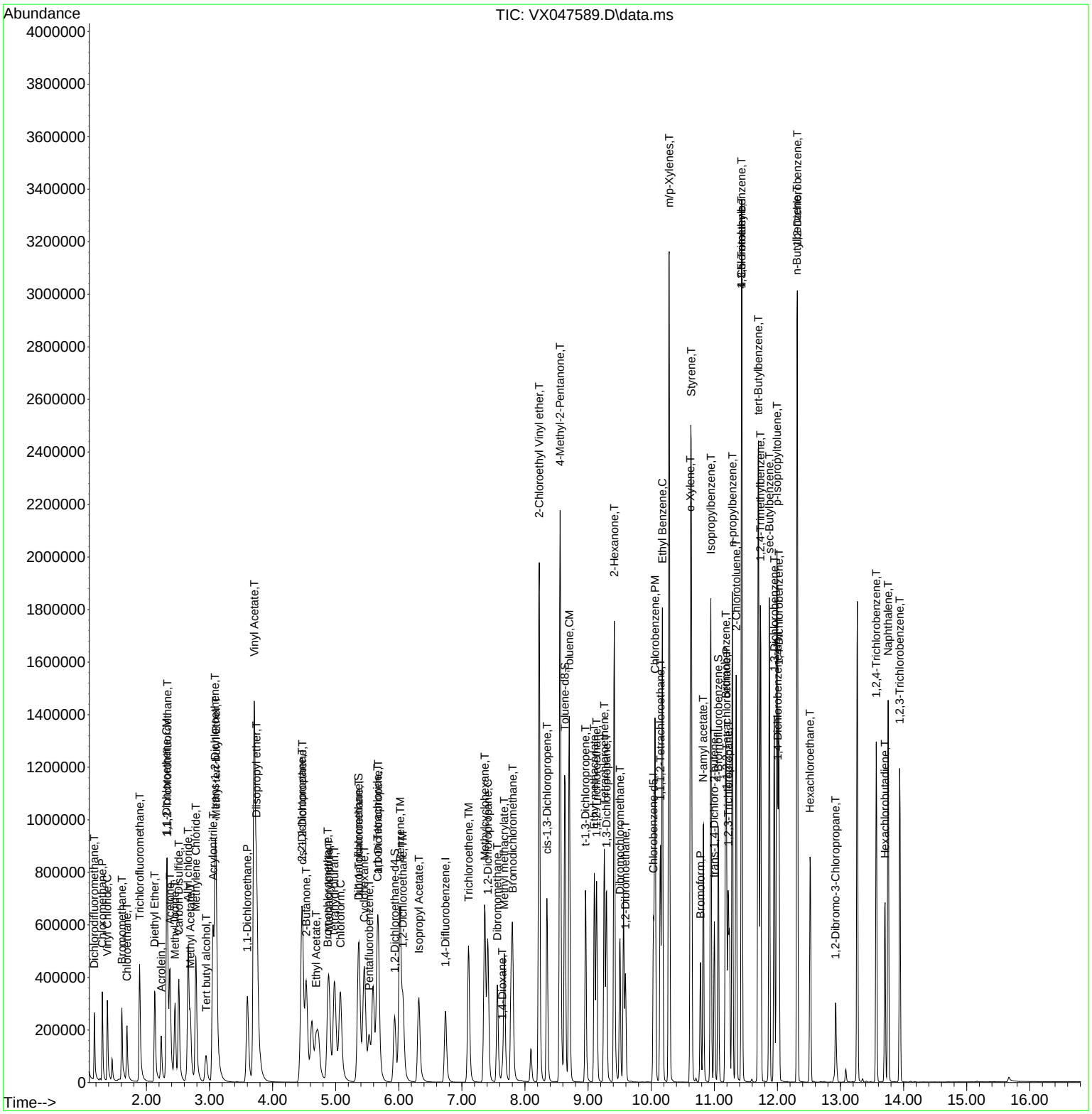
(#) = qualifier out of range (m) = manual integration (+) = signals summed

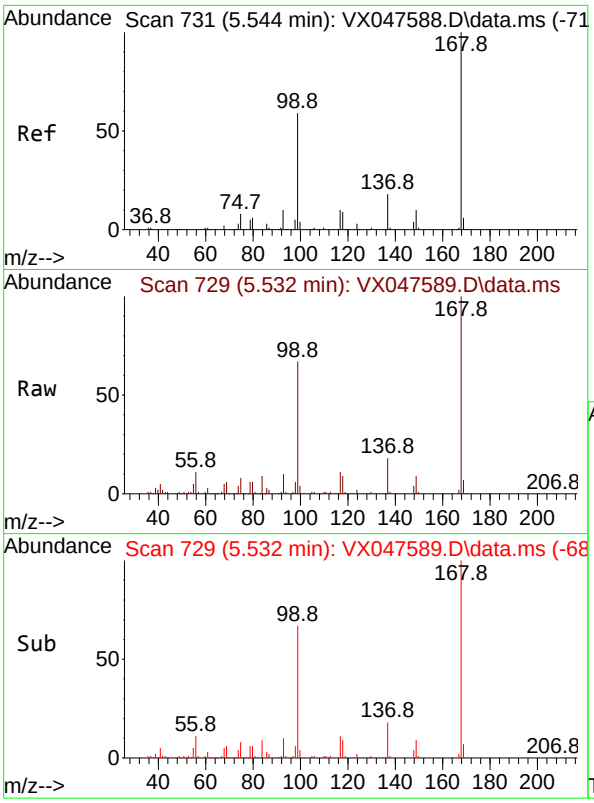
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Sep 22 01:51:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



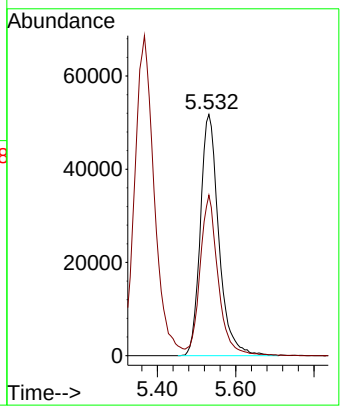


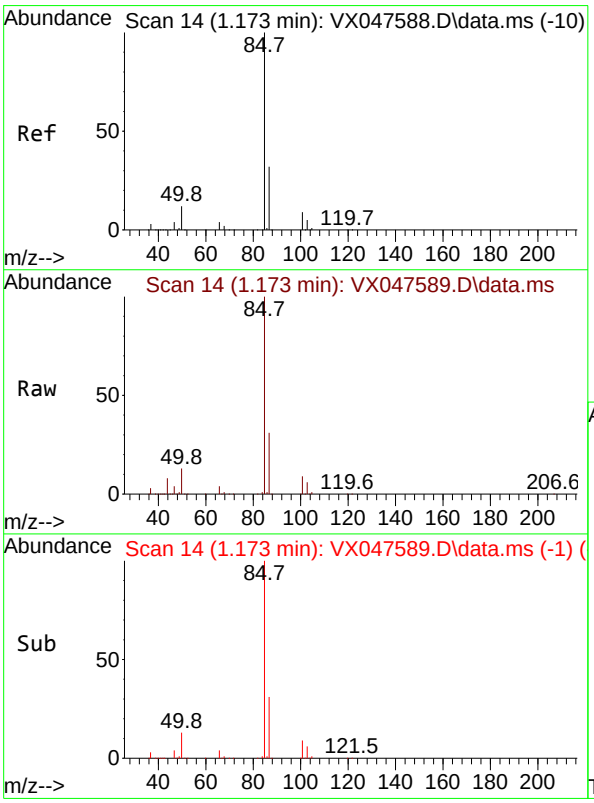
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 169280

Ion	Ratio	Lower	Upper
168	100		
99	66.4	48.8	73.2

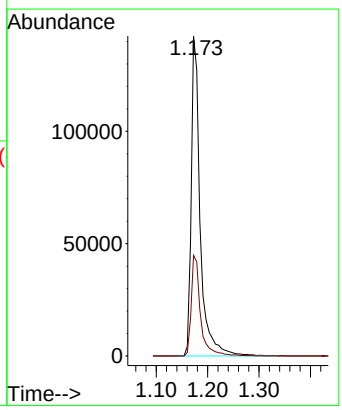


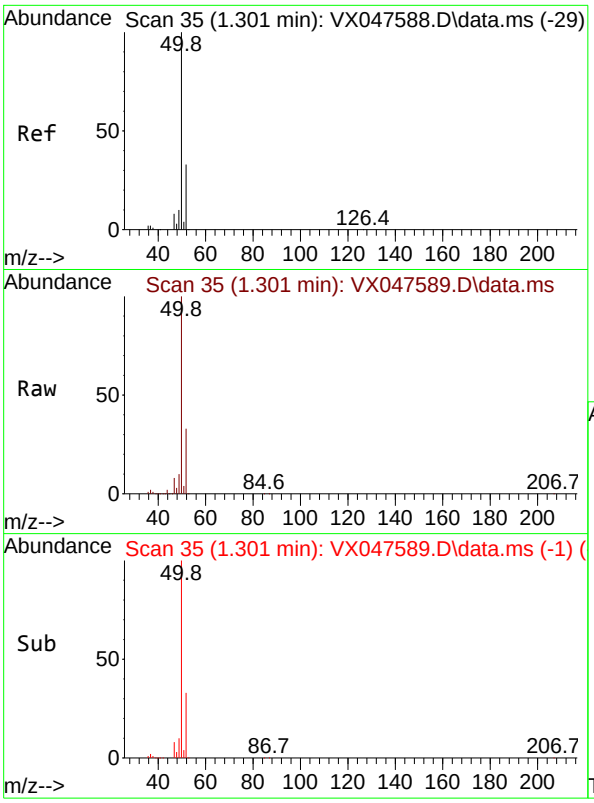


#2
Dichlorodifluoromethane
Concen: 98.537 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 85 Resp: 172727

Ion	Ratio	Lower	Upper
85	100		
87	31.4	15.8	47.3



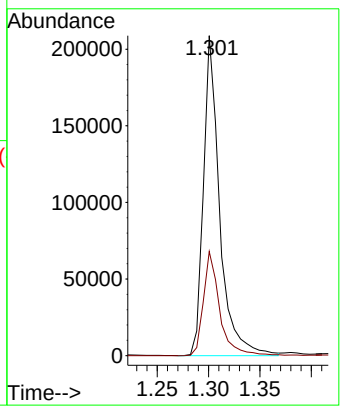


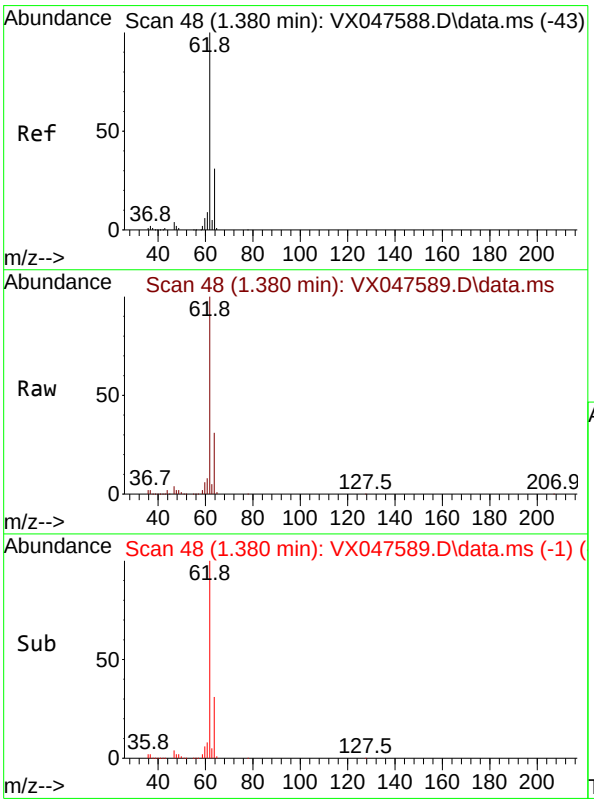
#3
Chloromethane
Concen: 99.472 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 229165

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.1	39.1

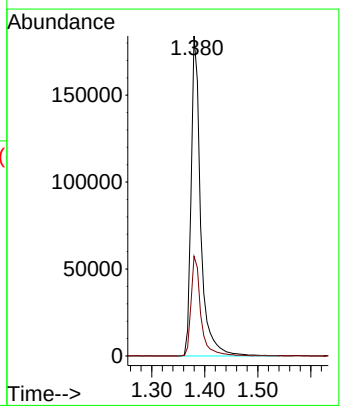


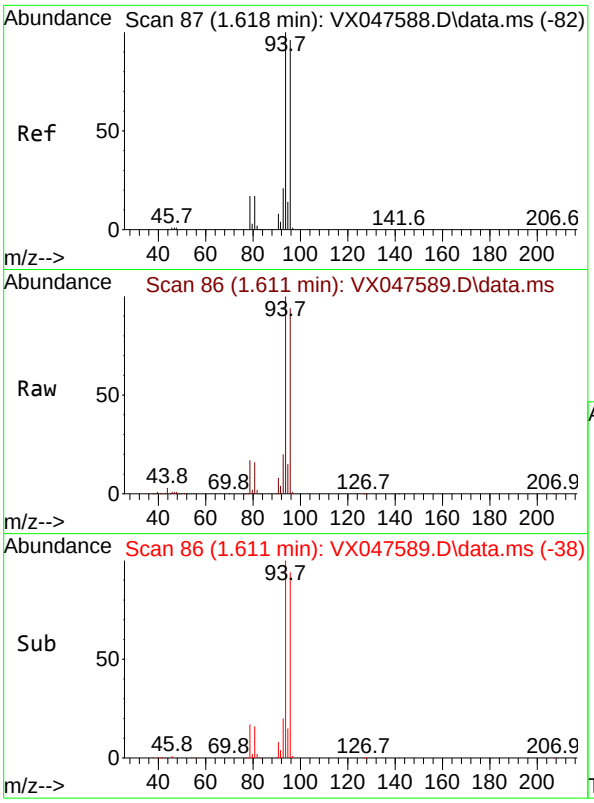


#4
Vinyl Chloride
Concen: 101.621 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 62 Resp: 229175

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.9	37.3



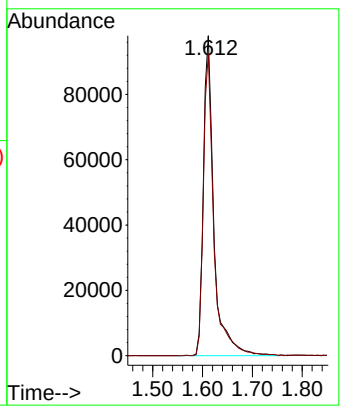


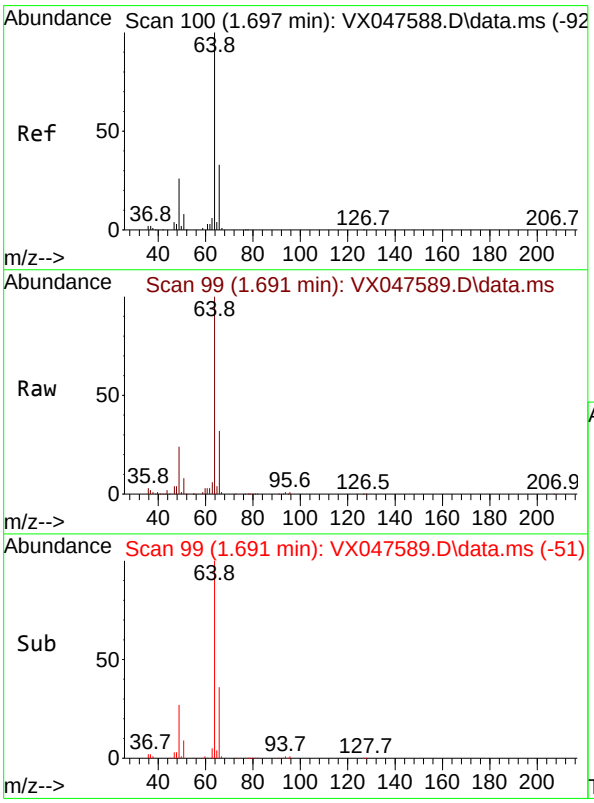
#5
Bromomethane
Concen: 100.076 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 143113

Ion	Ratio	Lower	Upper
94	100		
96	94.4	76.6	115.0

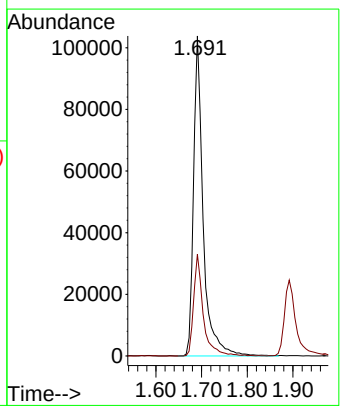


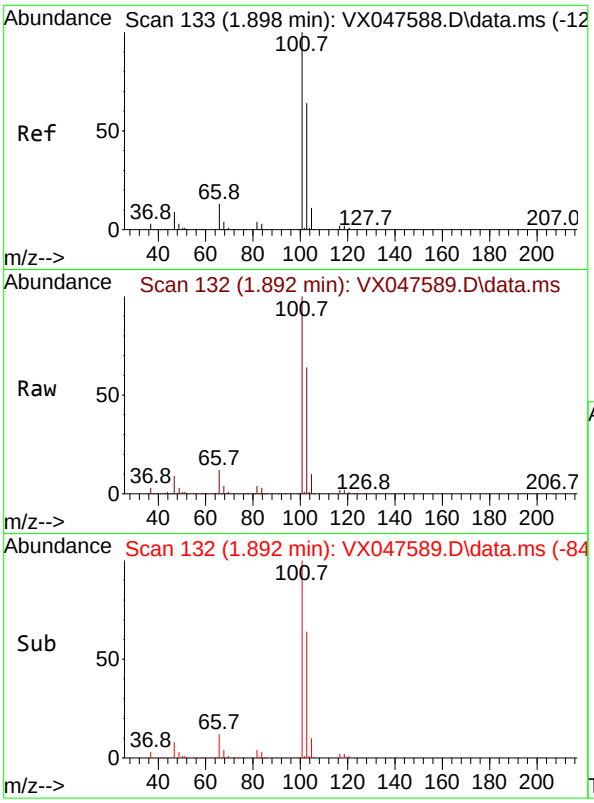


#6
Chloroethane
Concen: 101.167 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 64 Resp: 152487

Ion	Ratio	Lower	Upper
64	100		
66	31.8	26.1	39.1



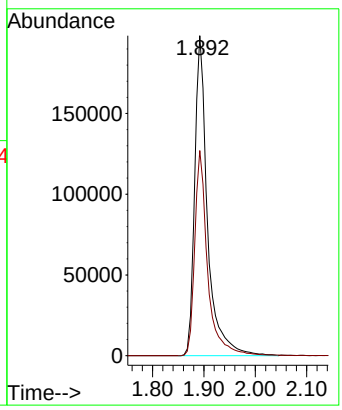


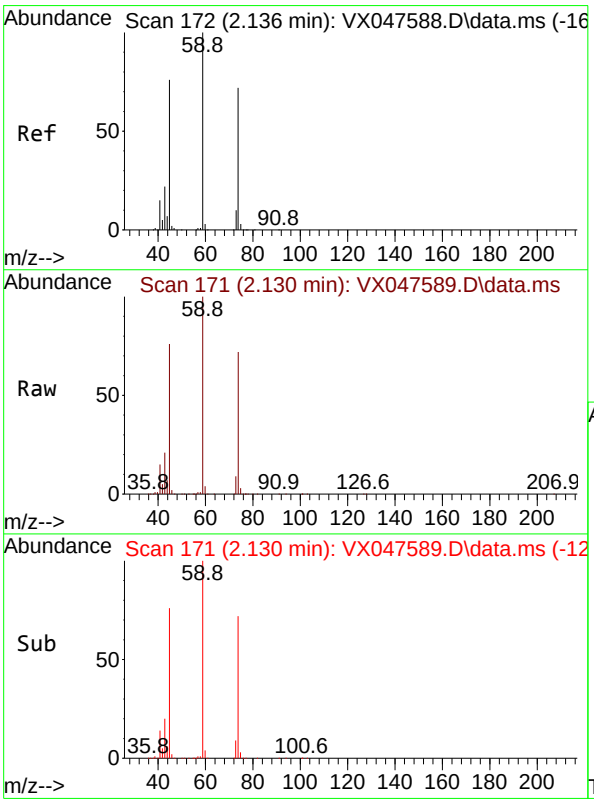
#7
Trichlorofluoromethane
Concen: 102.878 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 344488

Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.4	77.2

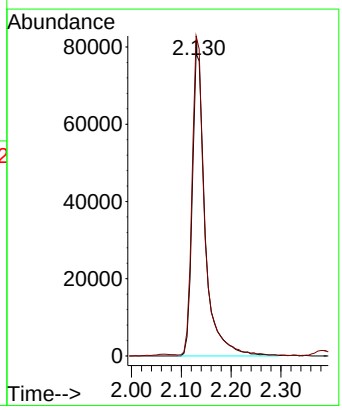


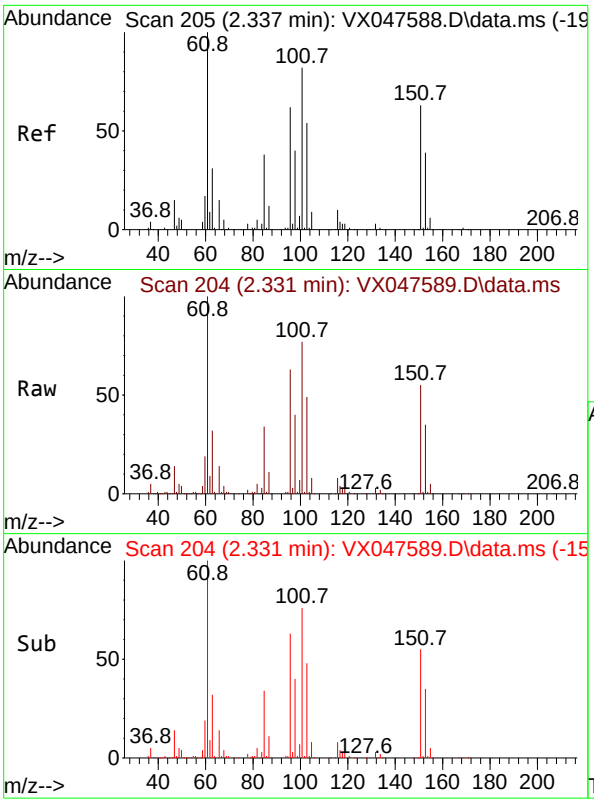


#8
Diethyl Ether
Concen: 103.695 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 74 Resp: 142038

Ion	Ratio	Lower	Upper
74	100		
45	104.6	52.3	156.8



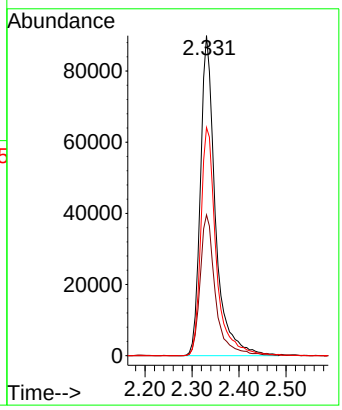


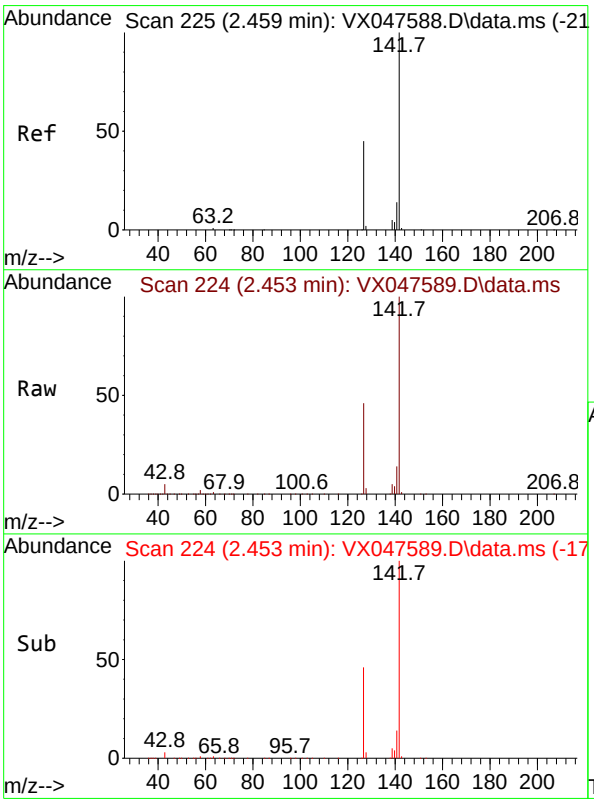
#9
1,1,2-Trichlorotrifluoroethane
Concen: 102.067 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 199843

Ion	Ratio	Lower	Upper
101	100		
85	45.1	35.5	53.3
151	73.6	59.4	89.0

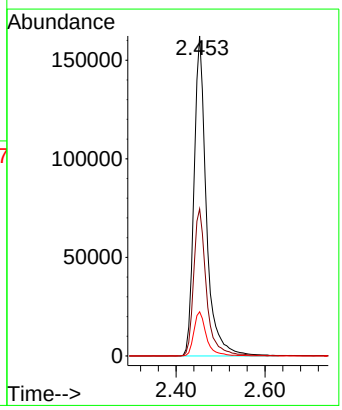


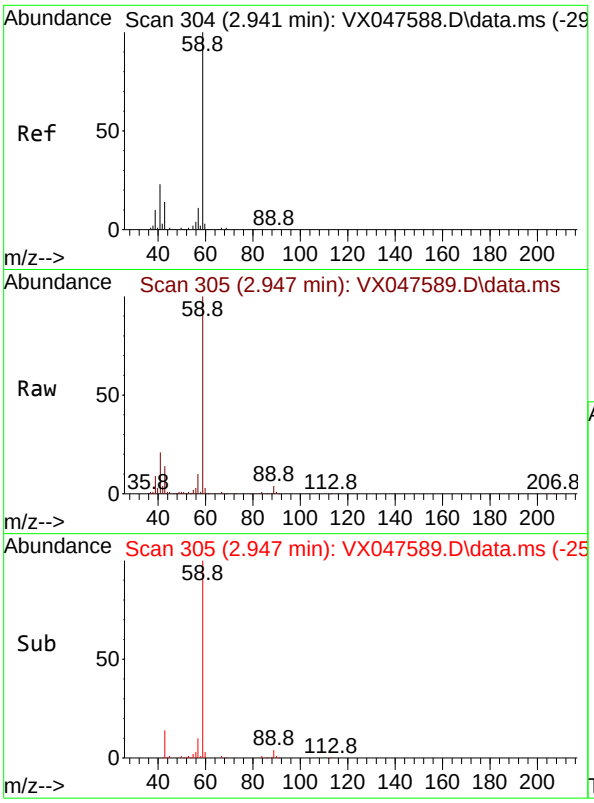


#10
Methyl Iodide
Concen: 102.531 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:142 Resp: 313092

Ion	Ratio	Lower	Upper
142	100		
127	47.3	37.2	55.8
141	14.1	11.4	17.0



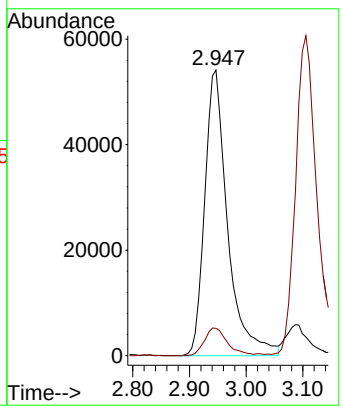


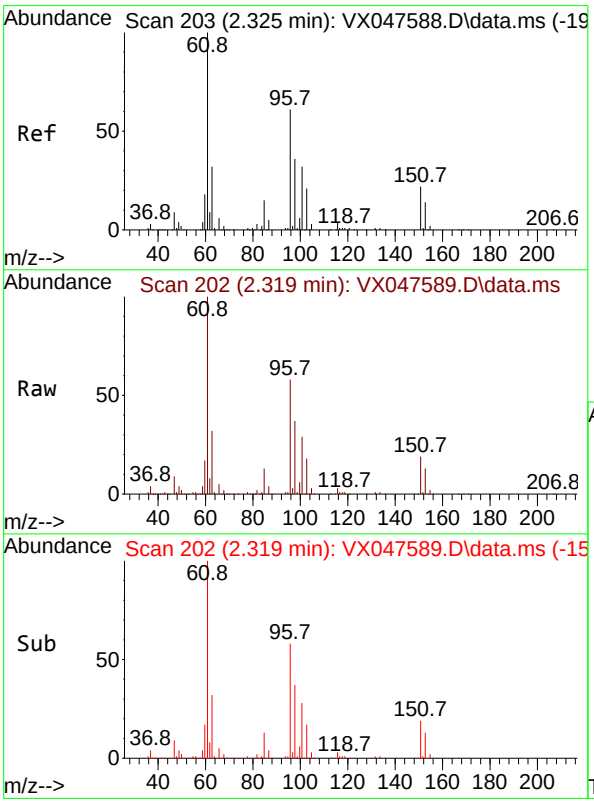
#11
Tert butyl alcohol
Concen: 506.863 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 152108

Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.3	12.5

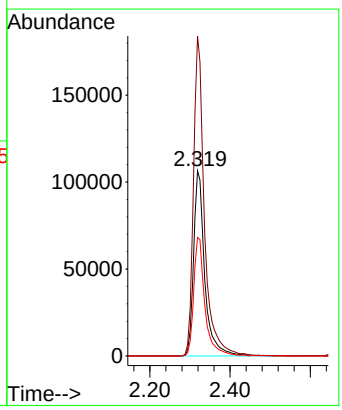


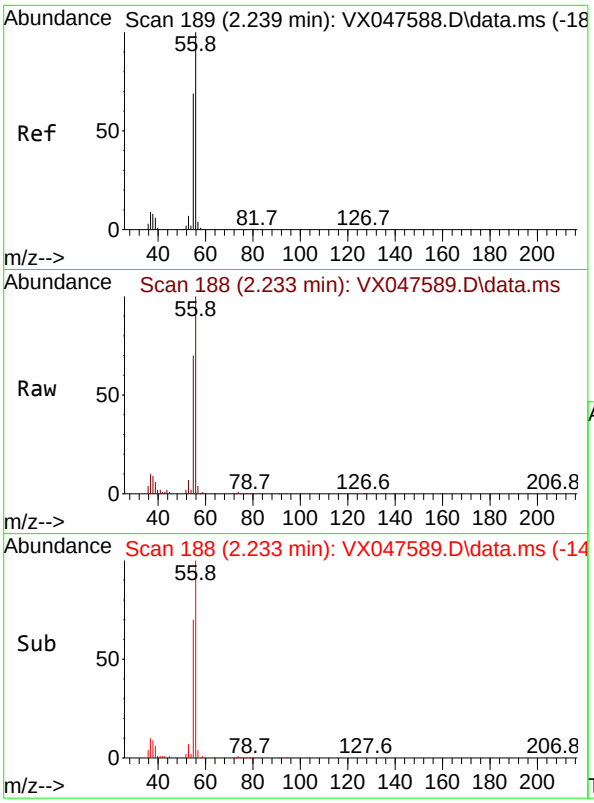


#12
1,1-Dichloroethene
Concen: 102.473 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 96 Resp: 206097

Ion	Ratio	Lower	Upper
96	100		
61	172.9	131.0	196.6
98	64.0	47.7	71.5



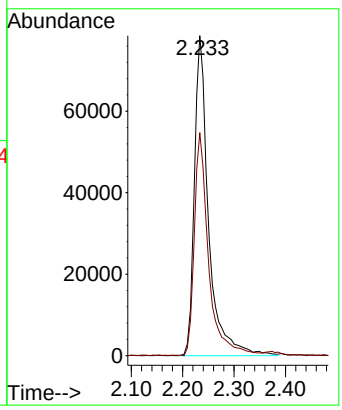


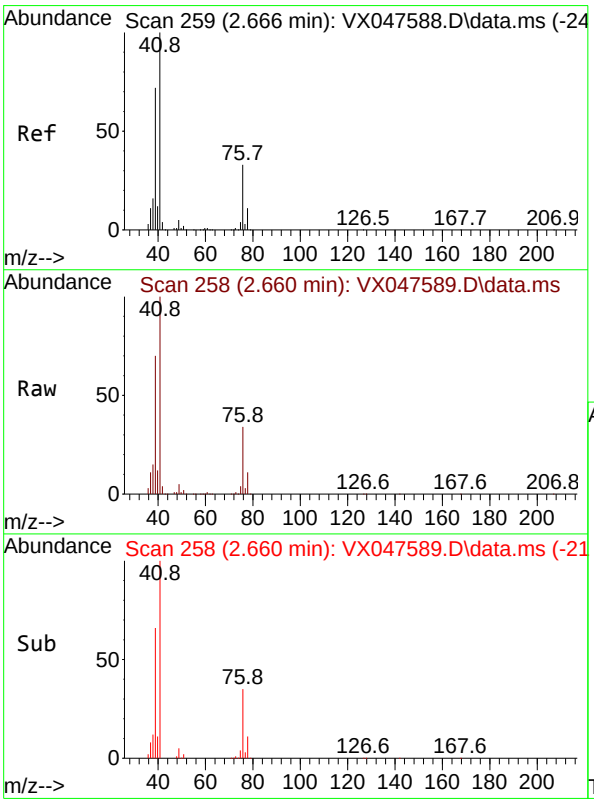
#13
Acrolein
Concen: 545.276 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 150793

Ion	Ratio	Lower	Upper
56	100		
55	69.4	57.2	85.8

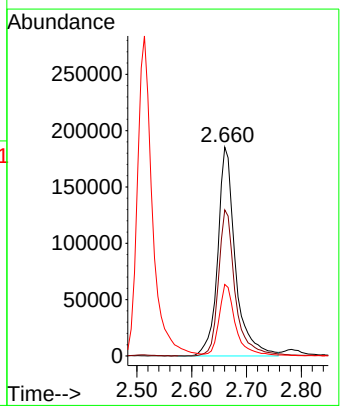


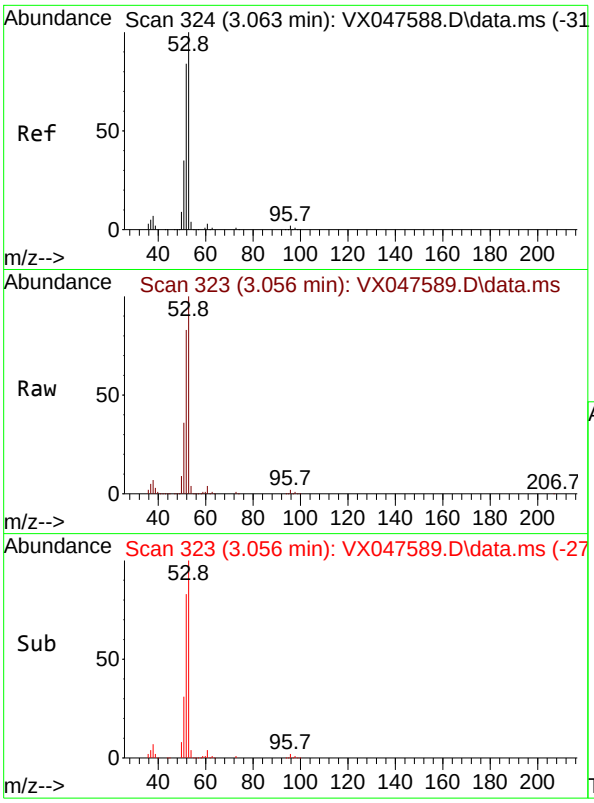


#14
Allyl chloride
Concen: 100.028 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 41 Resp: 415140

Ion	Ratio	Lower	Upper
41	100		
39	67.0	54.7	82.1
76	32.2	25.7	38.5



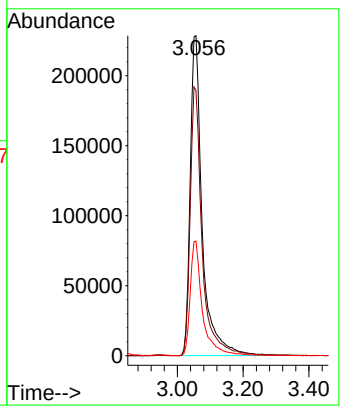


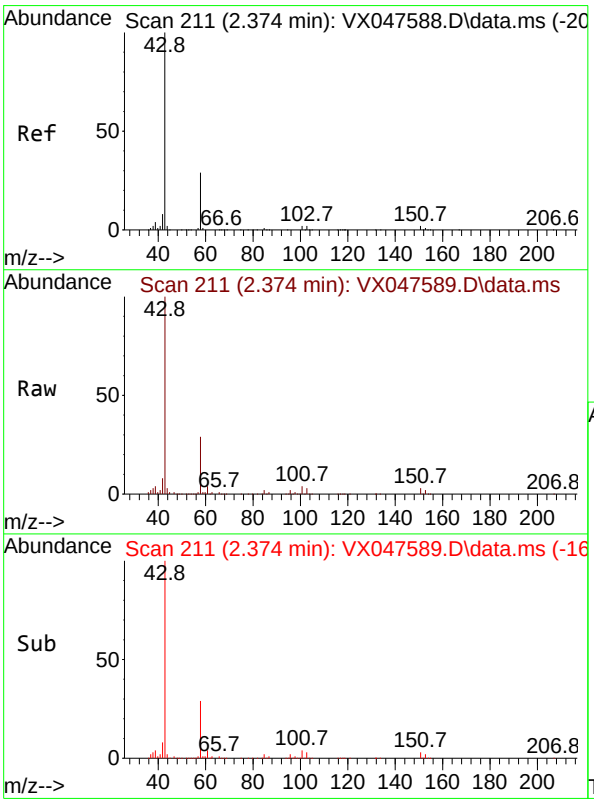
#15
Acrylonitrile
Concen: 522.897 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 581240

Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.4	99.6
51	36.4	29.5	44.3

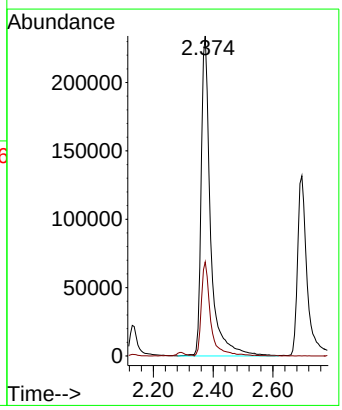


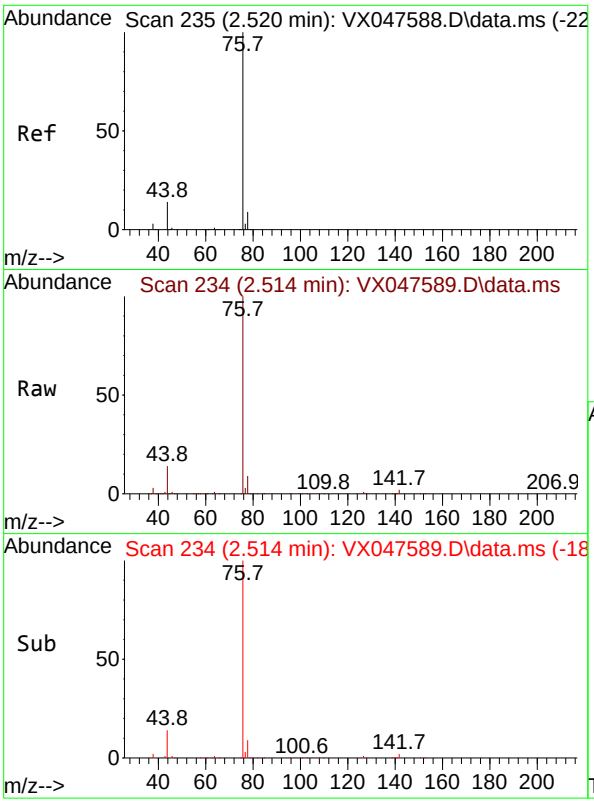


#16
Acetone
Concen: 435.772 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 510542

Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.4	35.0



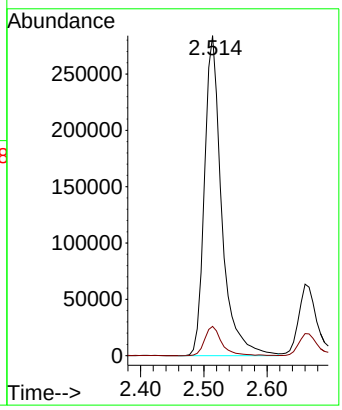


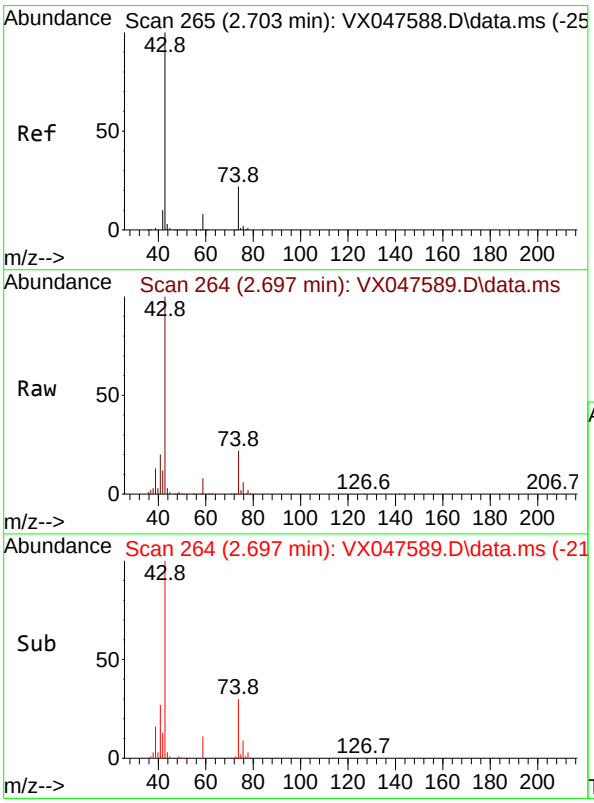
#17
Carbon Disulfide
Concen: 97.693 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 537888

Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.8	10.2

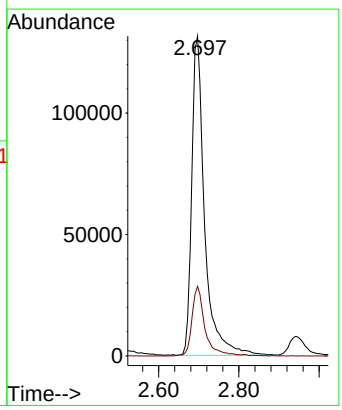


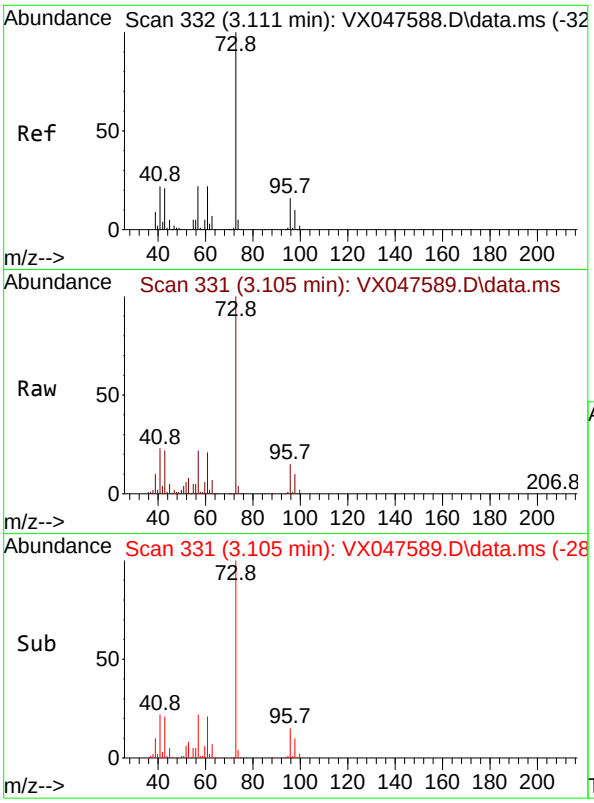


#18
Methyl Acetate
Concen: 112.324 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 292867

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2



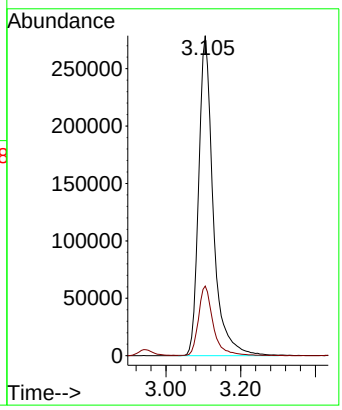


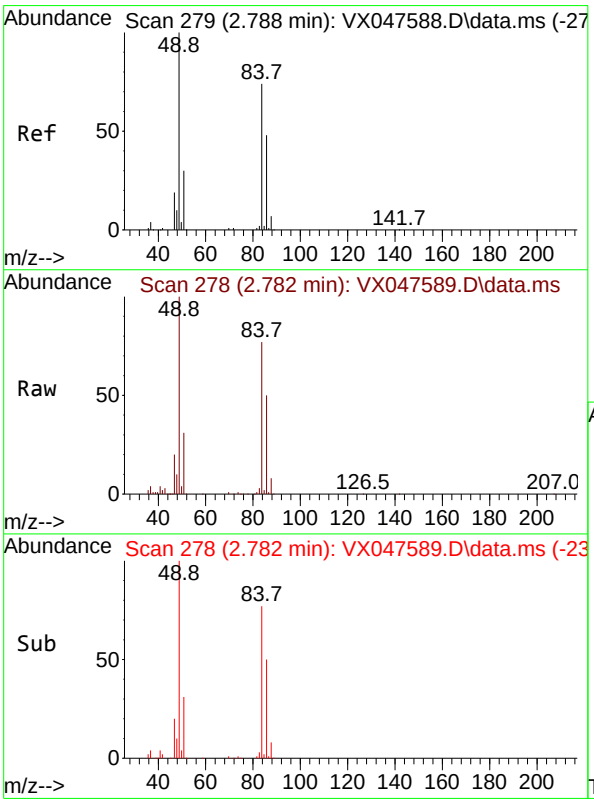
#19
Methyl tert-butyl Ether
Concen: 102.011 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 748952

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.2

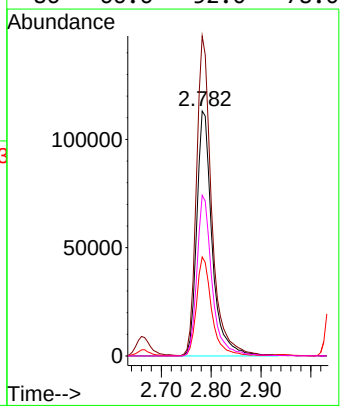


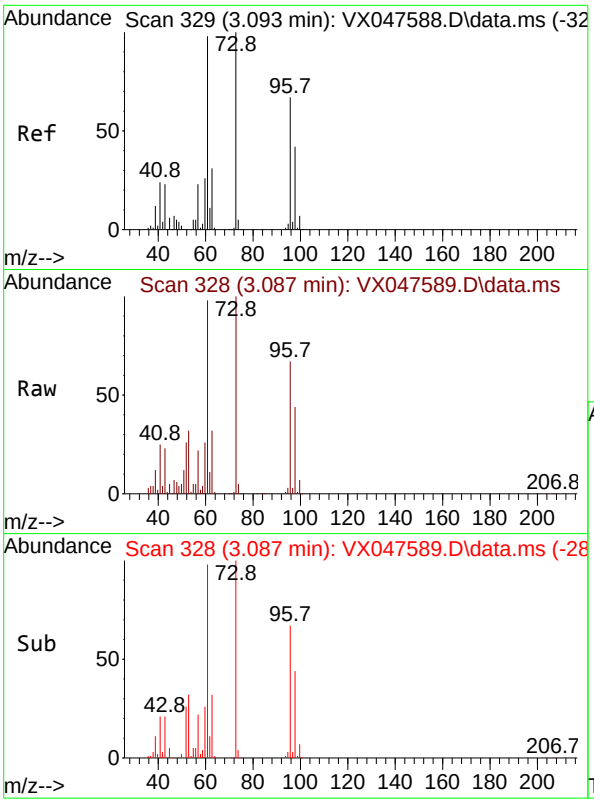


#20
Methylene Chloride
Concen: 97.805 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 84 Resp: 242548

Ion	Ratio	Lower	Upper
84	100		
49	130.4	108.6	162.8
51	40.3	32.6	48.8
86	66.6	52.0	78.0



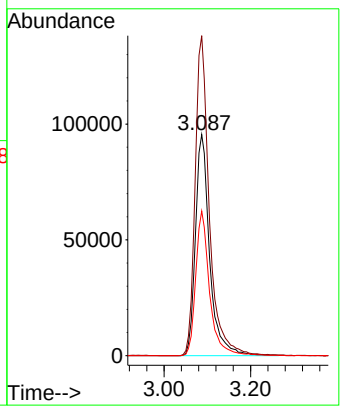


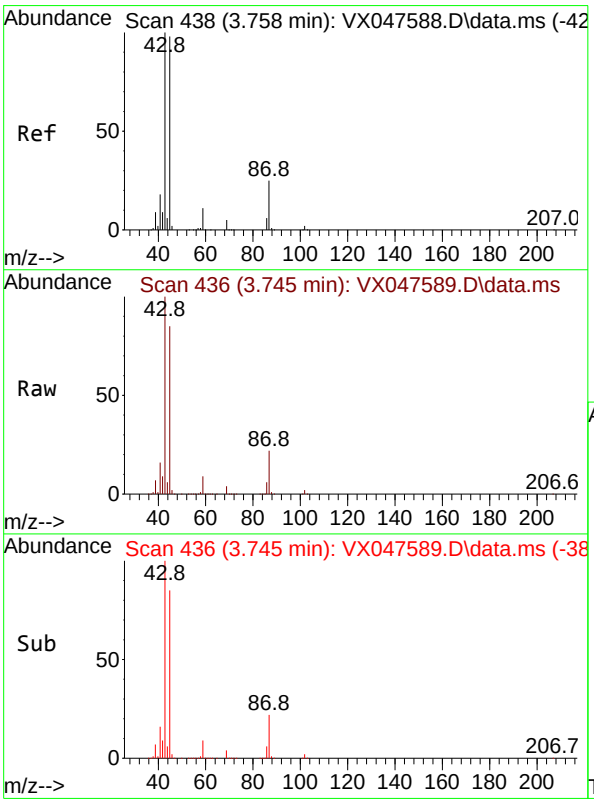
#21
trans-1,2-Dichloroethene
Concen: 100.566 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 217759

Ion	Ratio	Lower	Upper
96	100		
61	144.7	116.2	174.2
98	65.4	49.3	73.9

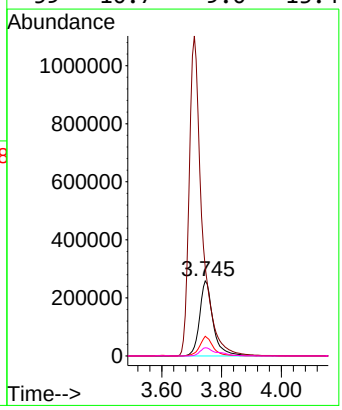


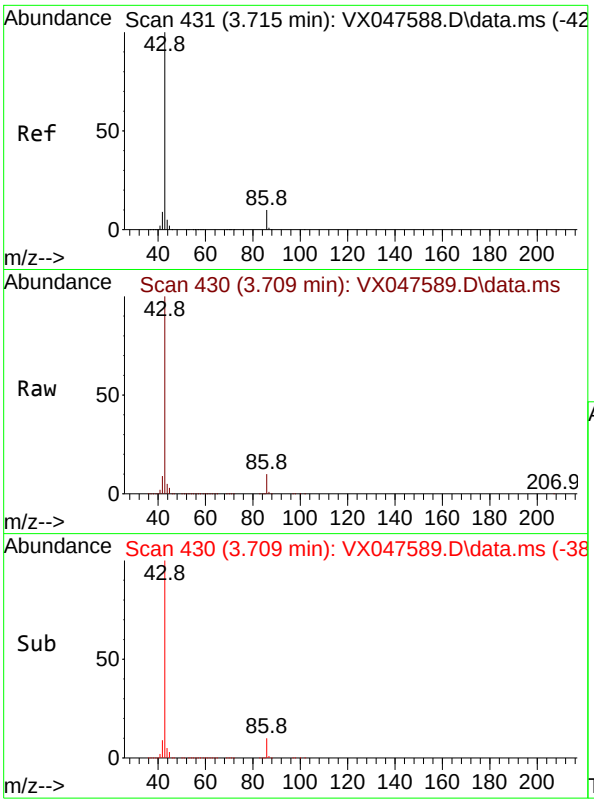


#22
Diisopropyl ether
Concen: 100.934 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 45 Resp: 811840

Ion	Ratio	Lower	Upper
45	100		
43	117.3	81.0	121.4
87	26.1	20.3	30.5
59	10.7	9.0	13.4



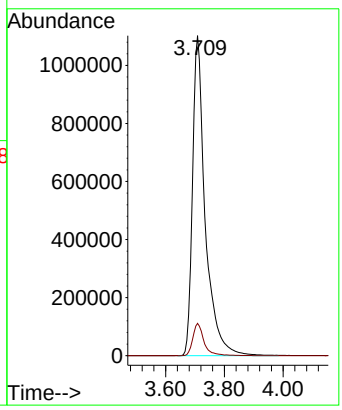


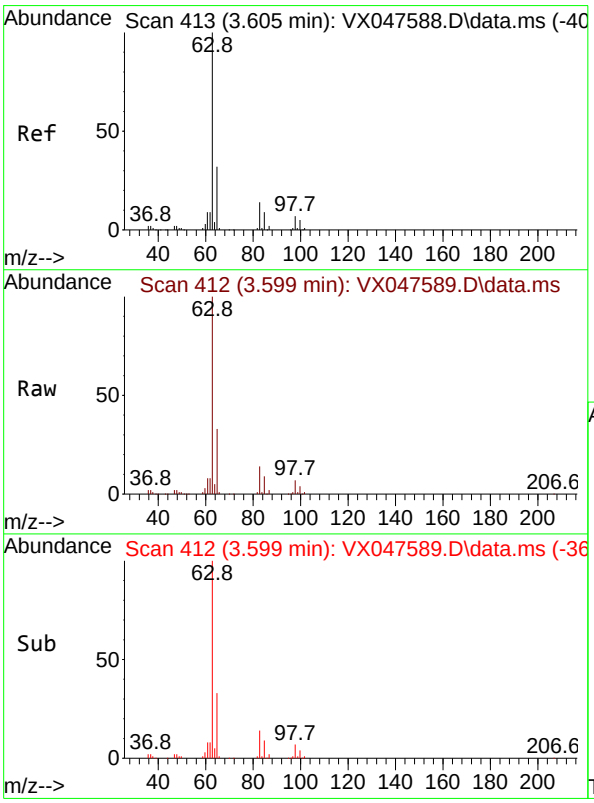
#23
Vinyl Acetate
Concen: 514.916 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 3314707

Ion	Ratio	Lower	Upper
43	100		
86	10.1	7.8	11.8

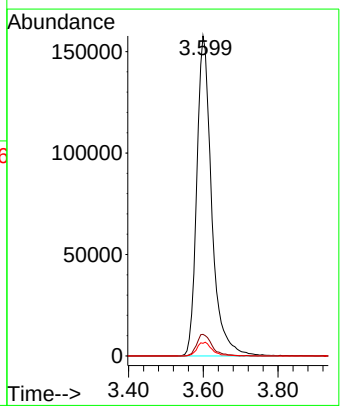


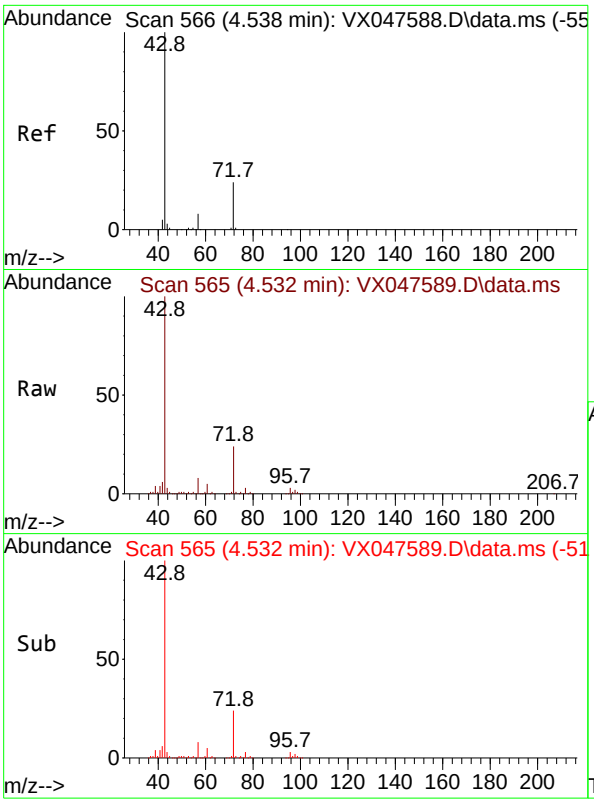


#24
1,1-Dichloroethane
Concen: 101.944 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 63 Resp: 435815

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.8	11.2
100	4.0	2.3	6.9



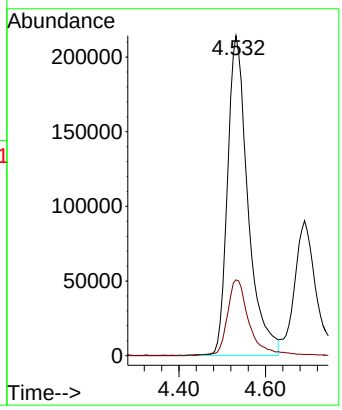


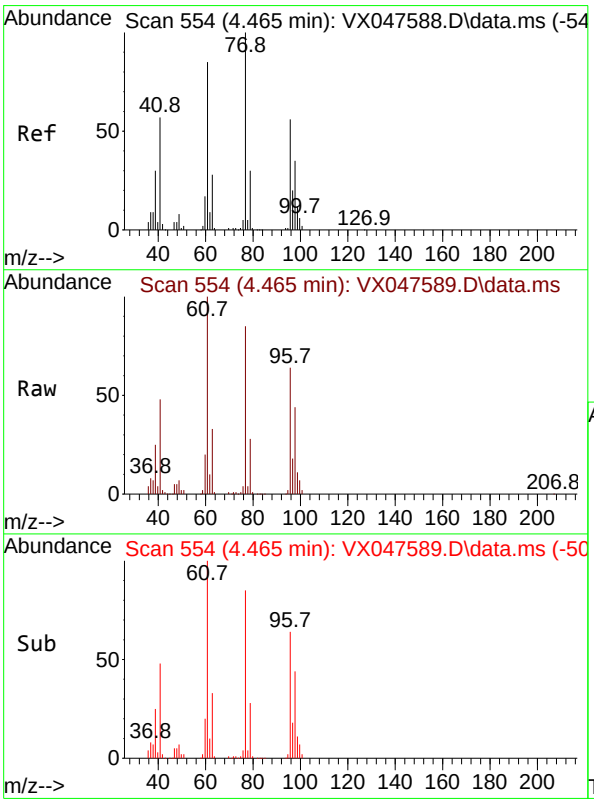
#25
2-Butanone
Concen: 479.558 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 700827

Ion	Ratio	Lower	Upper
43	100		
72	23.8	20.1	30.1

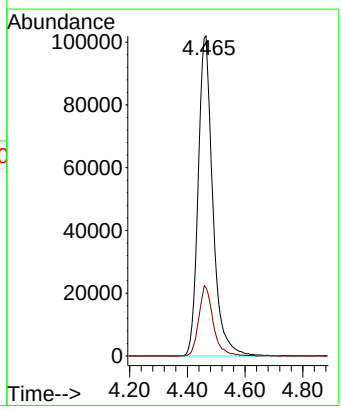


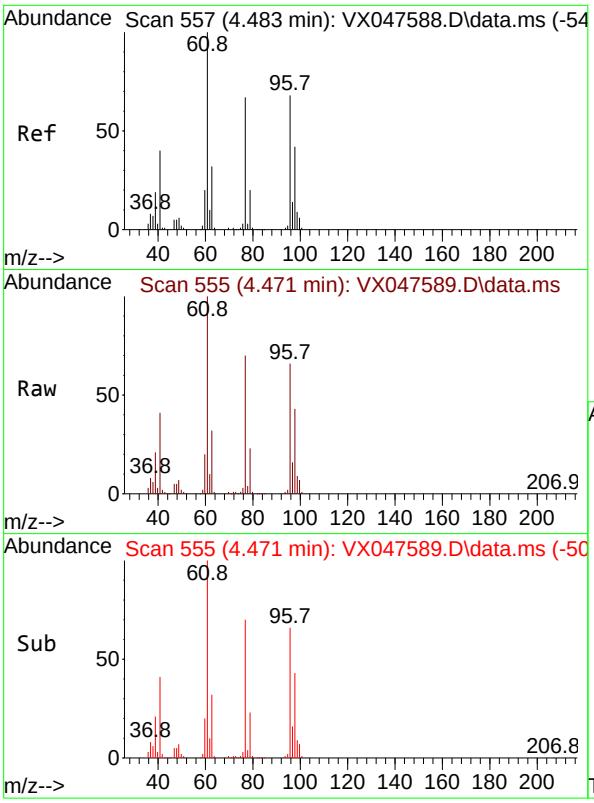


#26
2,2-Dichloropropane
Concen: 100.542 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 77 Resp: 357292

Ion	Ratio	Lower	Upper
77	100		
97	21.6	10.9	32.7



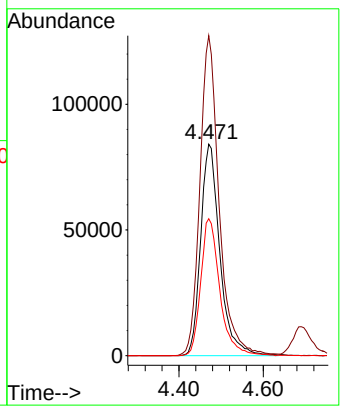


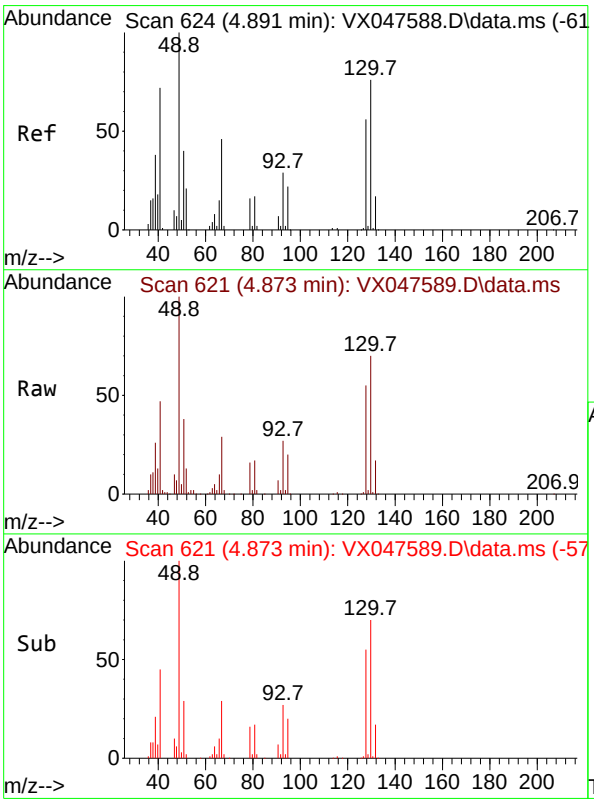
#27
cis-1,2-Dichloroethene
Concen: 100.516 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 266550

Ion	Ratio	Lower	Upper
96	100		
61	151.5	0.0	303.2
98	64.4	0.0	127.8

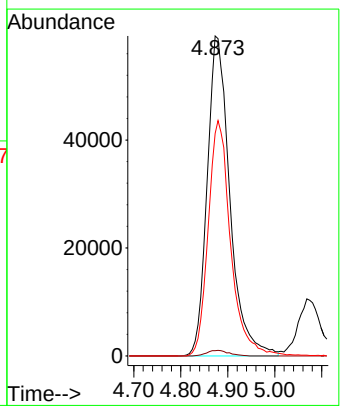


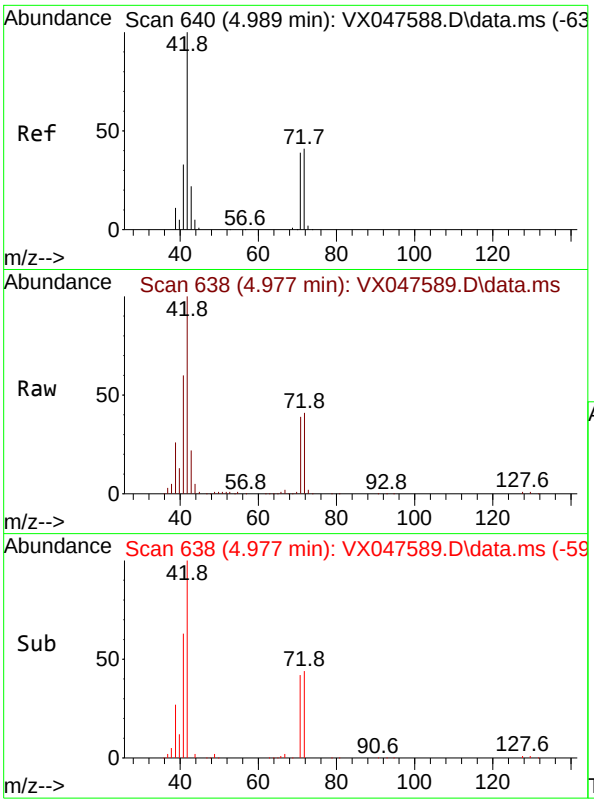


#28
Bromochloromethane
Concen: 106.512 ug/l
RT: 4.873 min Scan# 621
Delta R.T. -0.018 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 49 Resp: 198788

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	72.8	57.8	86.8



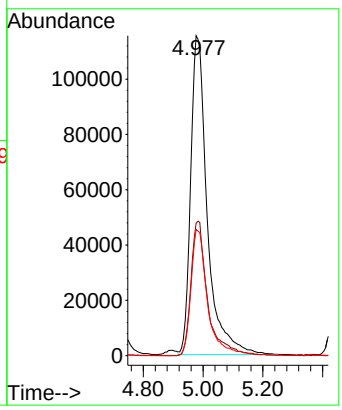


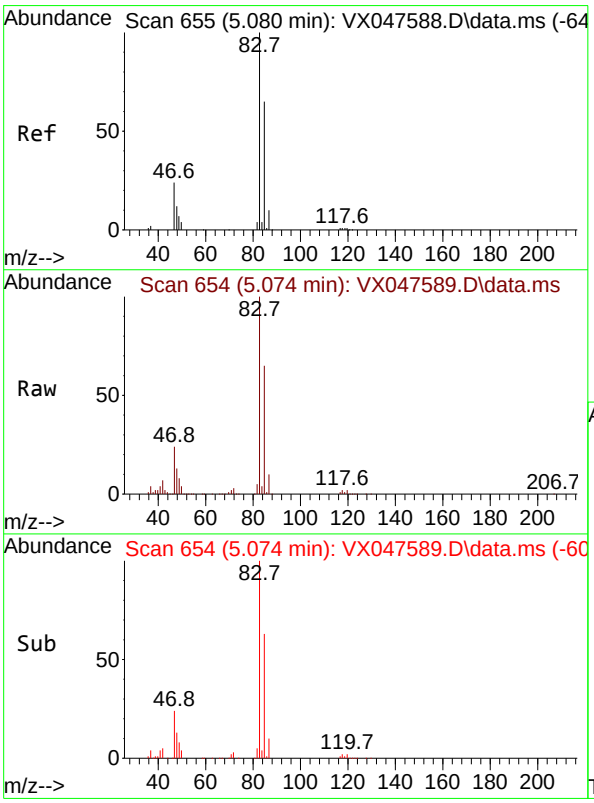
#29
Tetrahydrofuran
Concen: 504.502 ug/l
RT: 4.977 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 443530

Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.2	51.2
71	39.5	31.9	47.9

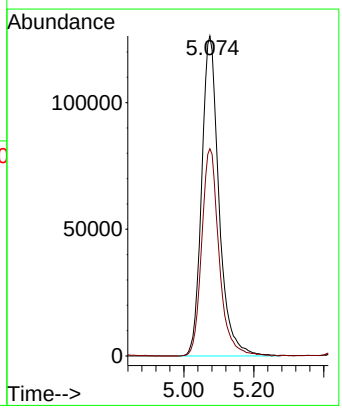


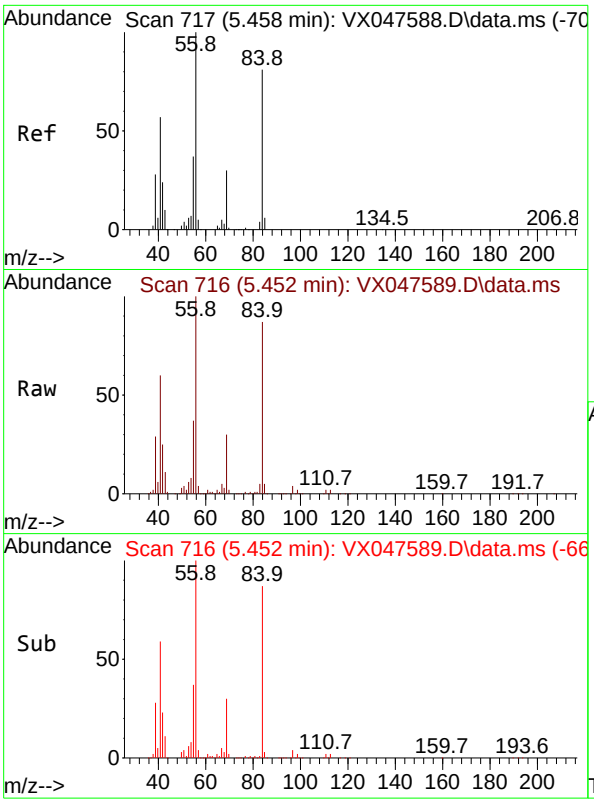


#30
Chloroform
Concen: 100.447 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 83 Resp: 433937

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.6



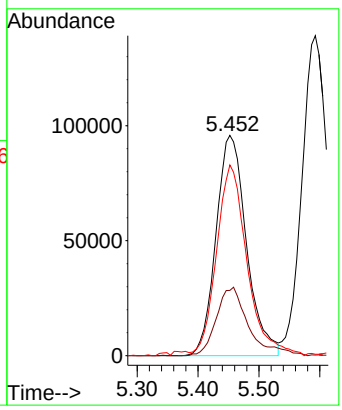


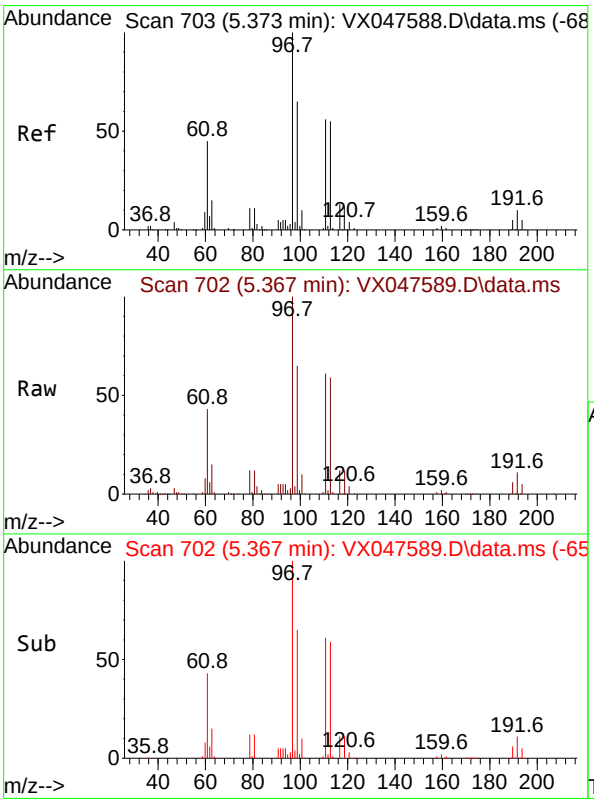
#31
Cyclohexane
Concen: 93.523 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 332995

Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.8	35.8
84	84.7	64.6	97.0

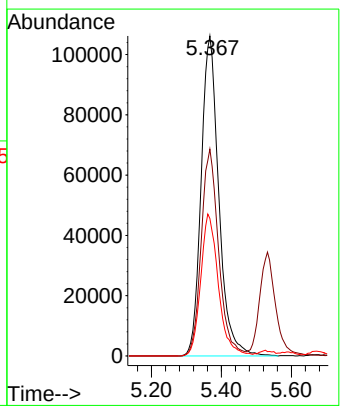


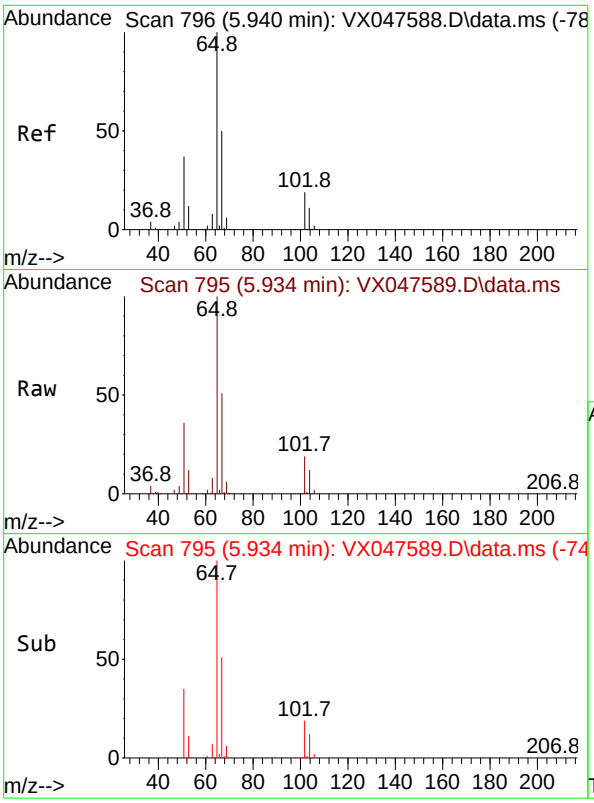


#32
1,1,1-Trichloroethane
Concen: 101.607 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 97 Resp: 372323

Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.6	76.0
61	44.4	35.8	53.8



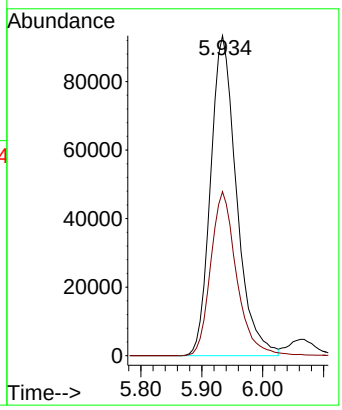


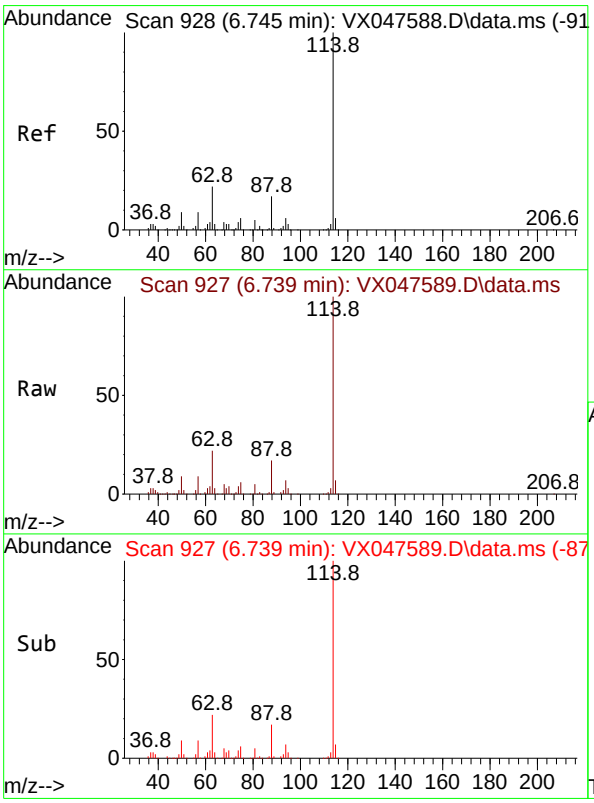
#33
1,2-Dichloroethane-d4
Concen: 102.341 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 275758

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	103.0

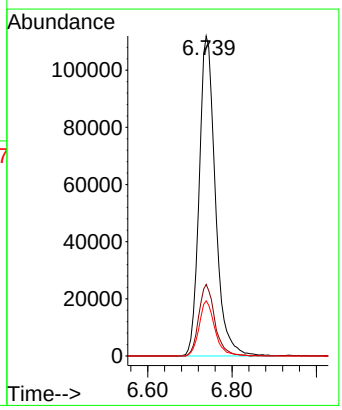


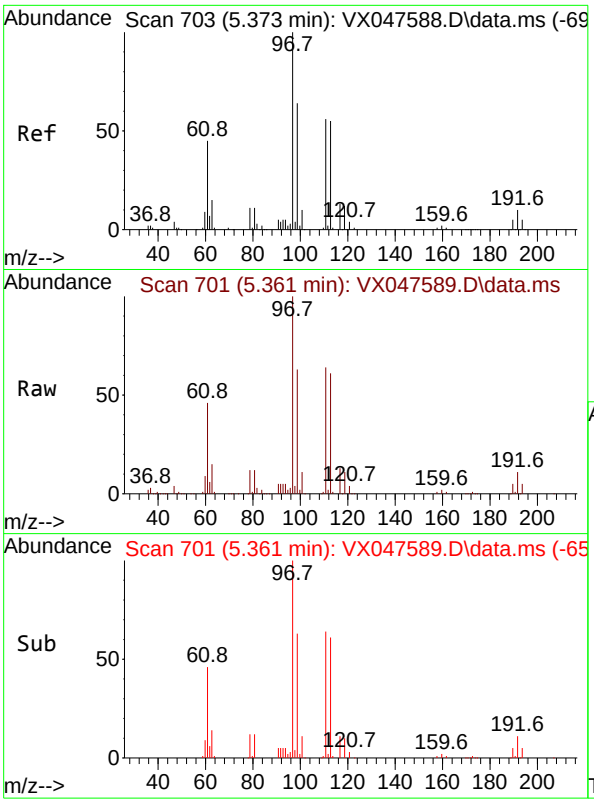


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:114 Resp: 298913

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	17.2	0.0	34.2



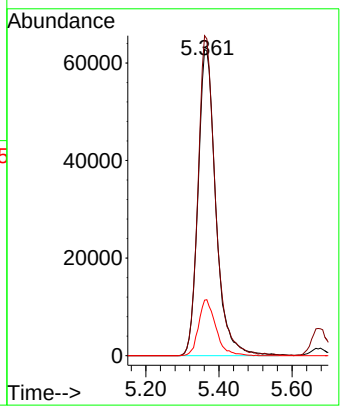


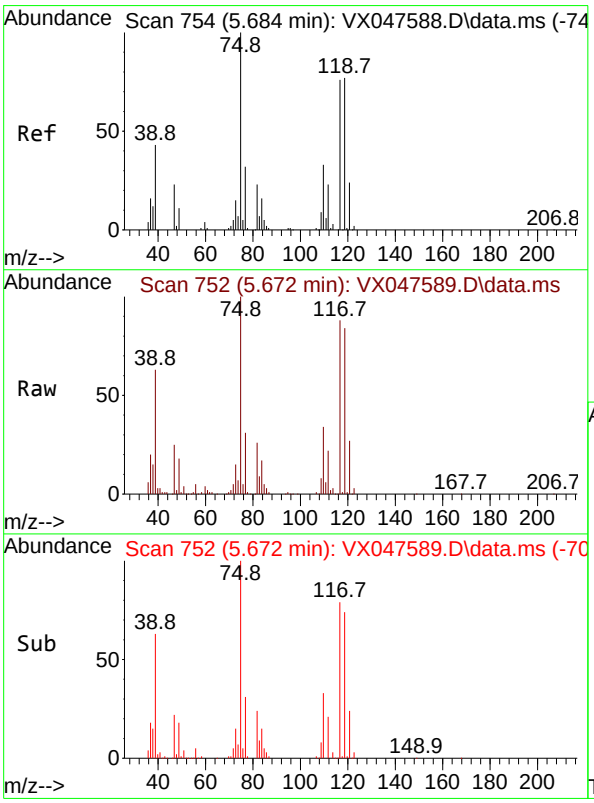
#35
Dibromofluoromethane
Concen: 105.962 ug/l
RT: 5.361 min Scan# 7(
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 212419

Ion	Ratio	Lower	Upper
113	100		
111	101.8	80.9	121.3
192	17.7	14.2	21.4

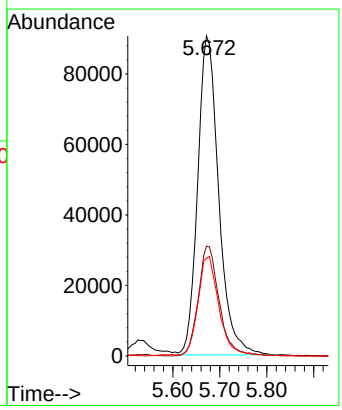


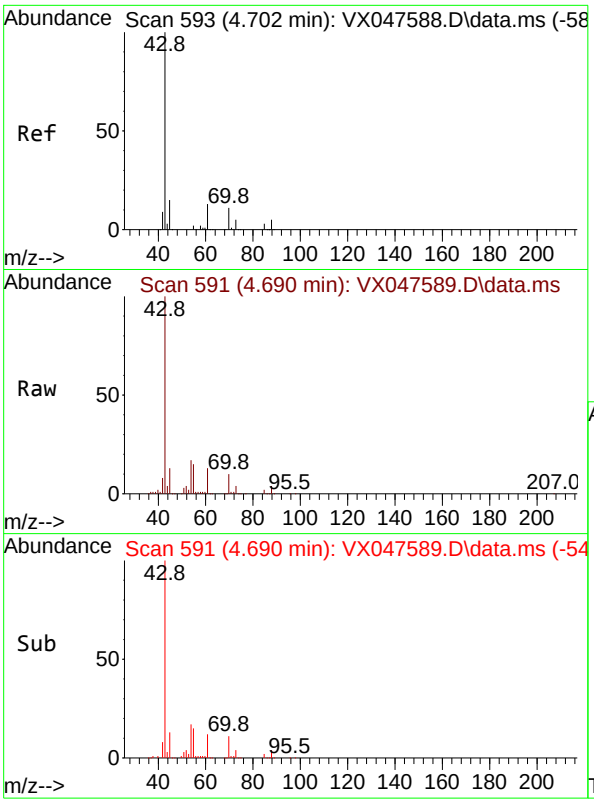


#36
1,1-Dichloropropene
Concen: 96.149 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 281650

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.7	50.1
77	31.3	24.3	36.5



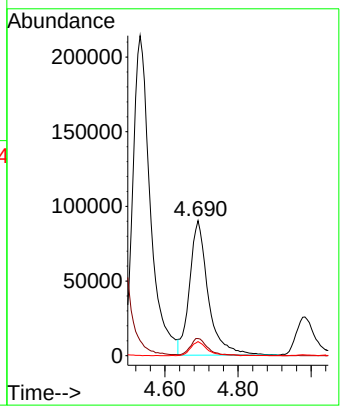


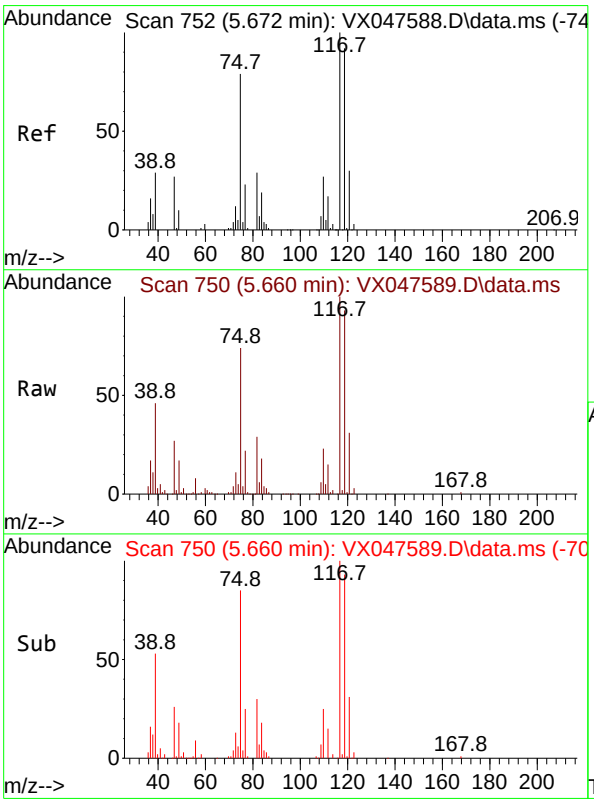
#37
Ethyl Acetate
Concen: 101.641 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 318793

Ion	Ratio	Lower	Upper
43	100		
61	12.0	9.8	14.8
70	9.4	7.9	11.9

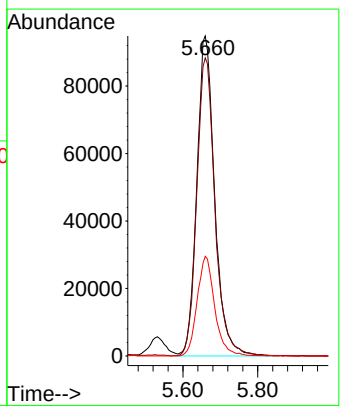


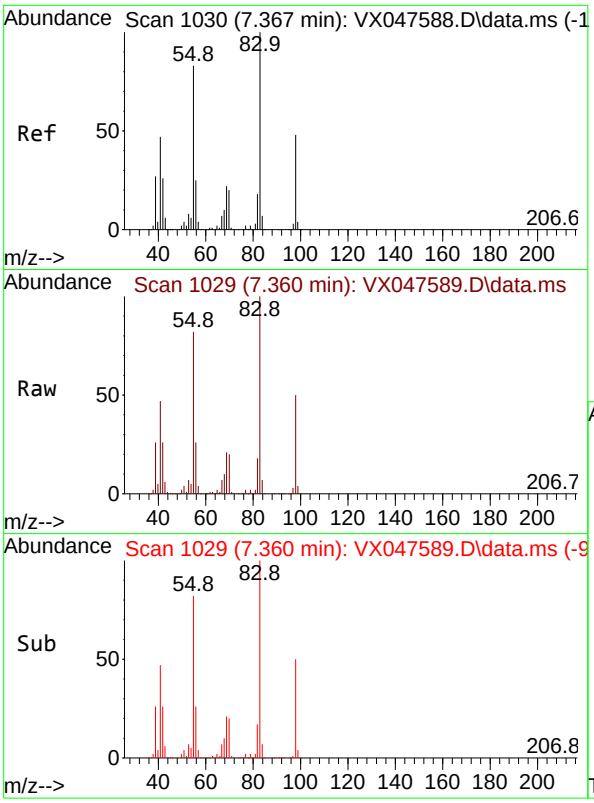


#38
Carbon Tetrachloride
Concen: 98.891 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:117 Resp: 314745

Ion	Ratio	Lower	Upper
117	100		
119	93.0	73.4	110.2
121	31.2	23.8	35.6



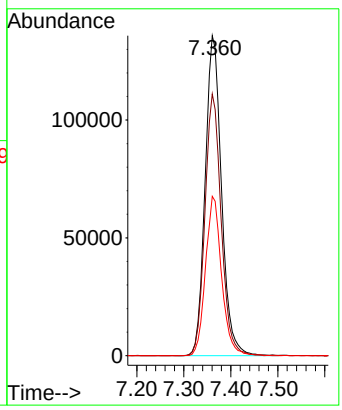


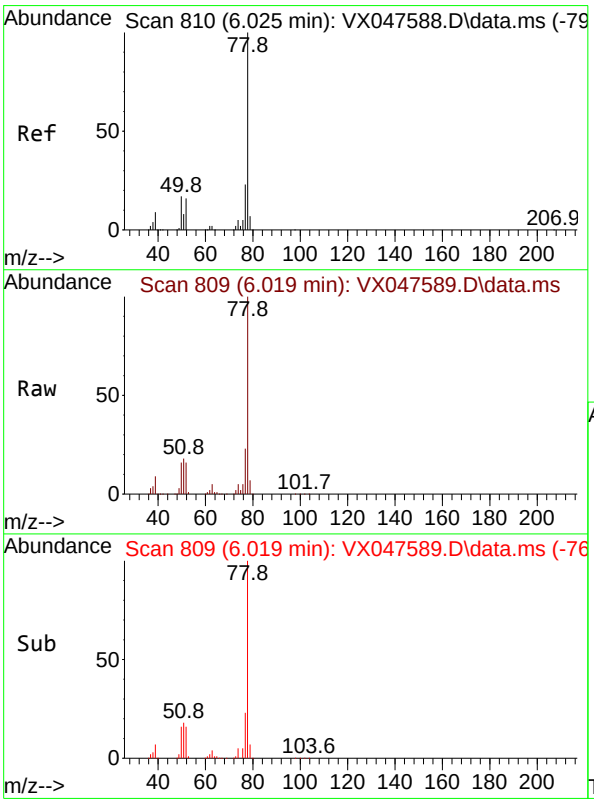
#39
Methylcyclohexane
Concen: 98.600 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 327858

Ion	Ratio	Lower	Upper
83	100		
55	81.8	66.4	99.6
98	49.8	38.1	57.1

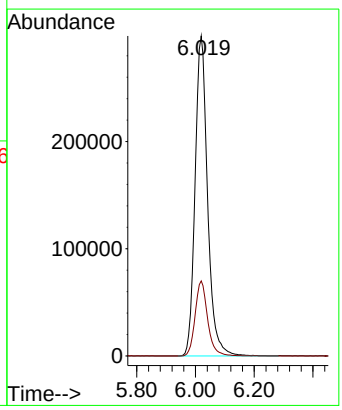


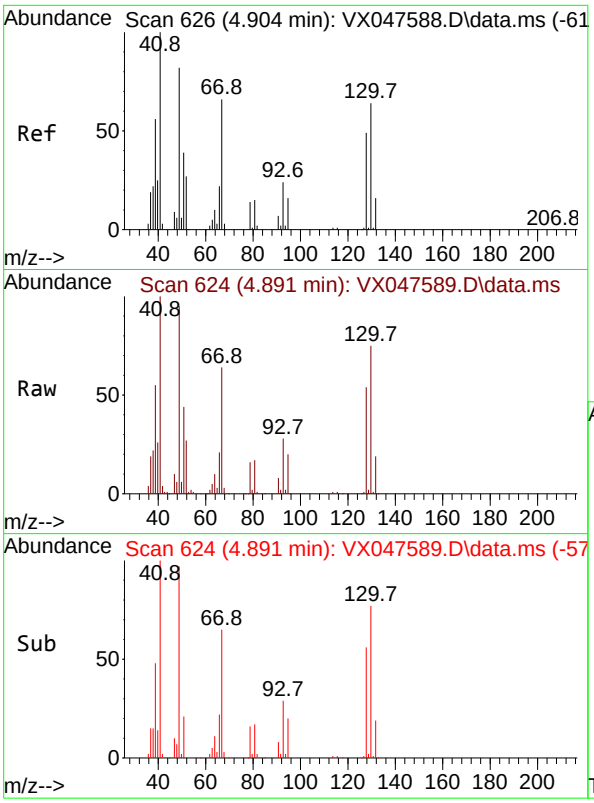


#40
Benzene
Concen: 99.009 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 78 Resp: 880885

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2



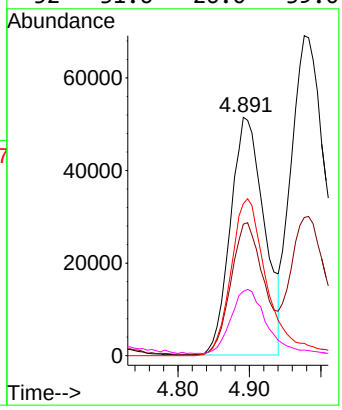


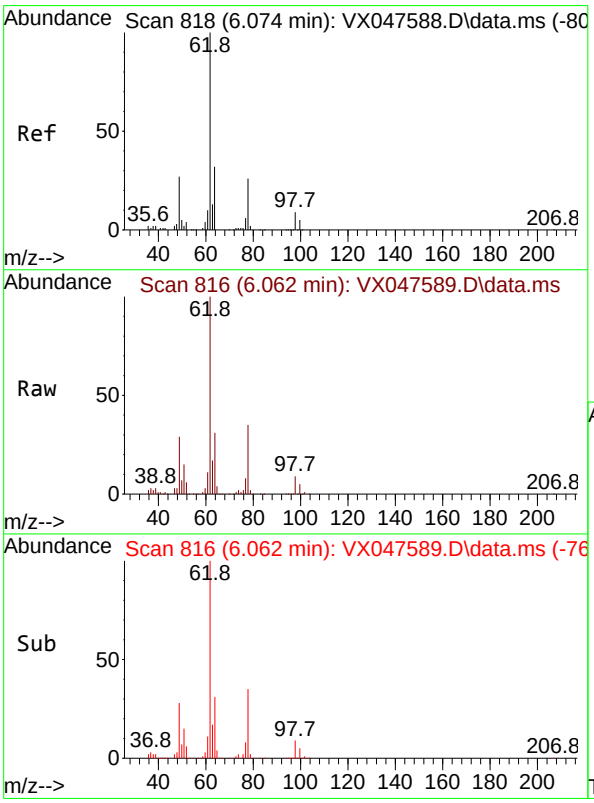
#41
Methacrylonitrile
Concen: 104.220 ug/l
RT: 4.891 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 168753

Ion	Ratio	Lower	Upper
41	100		
39	54.6	43.3	64.9
67	72.1	58.6	87.8
52	31.6	26.0	39.0

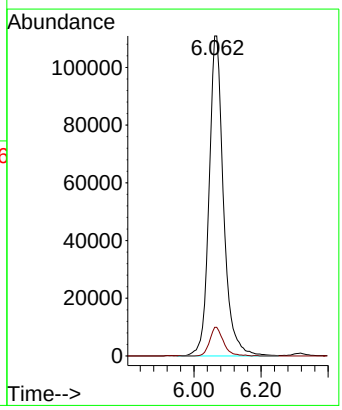


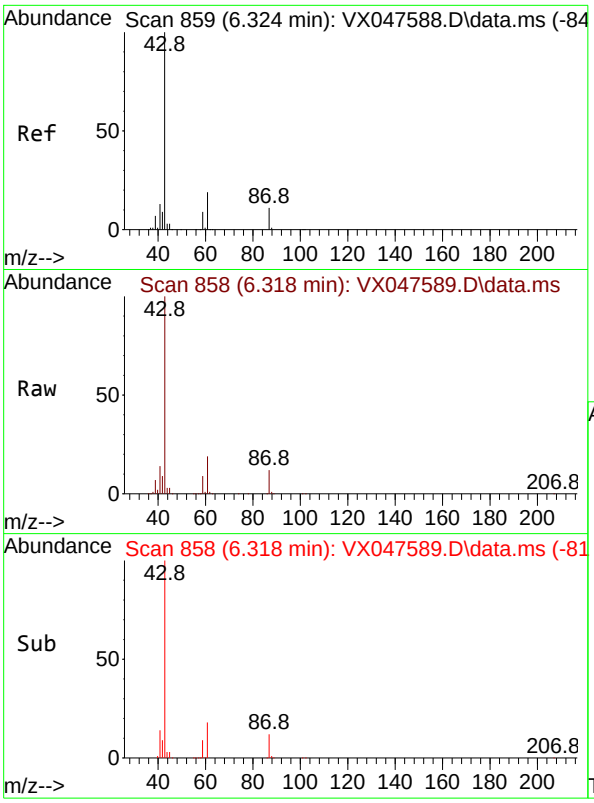


#42
1,2-Dichloroethane
Concen: 97.916 ug/l
RT: 6.062 min Scan# 816
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 62 Resp: 331465

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0



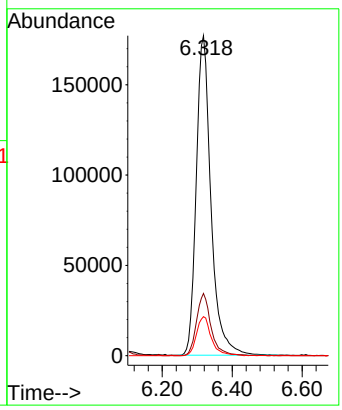


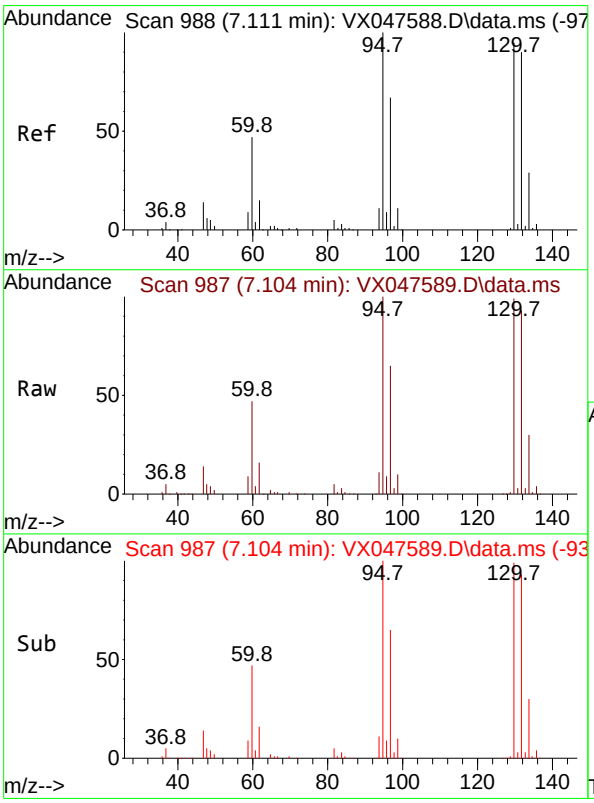
#43
Isopropyl Acetate
Concen: 100.482 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 516875

Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.2	22.8
87	12.3	9.6	14.4

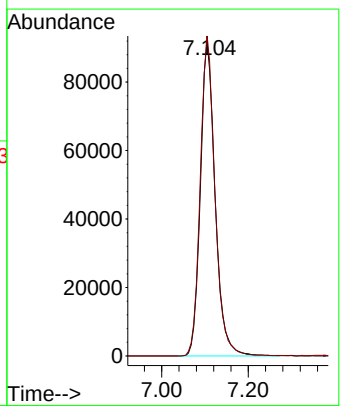


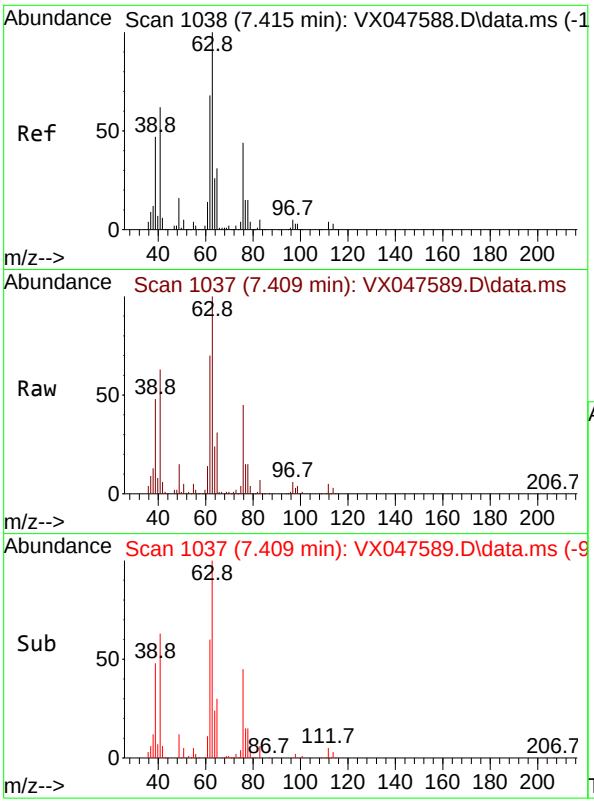


#44
Trichloroethene
Concen: 101.234 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:130 Resp: 217753

Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	210.8



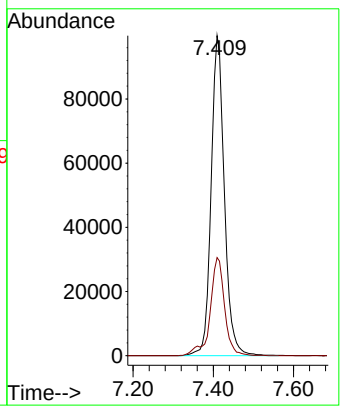


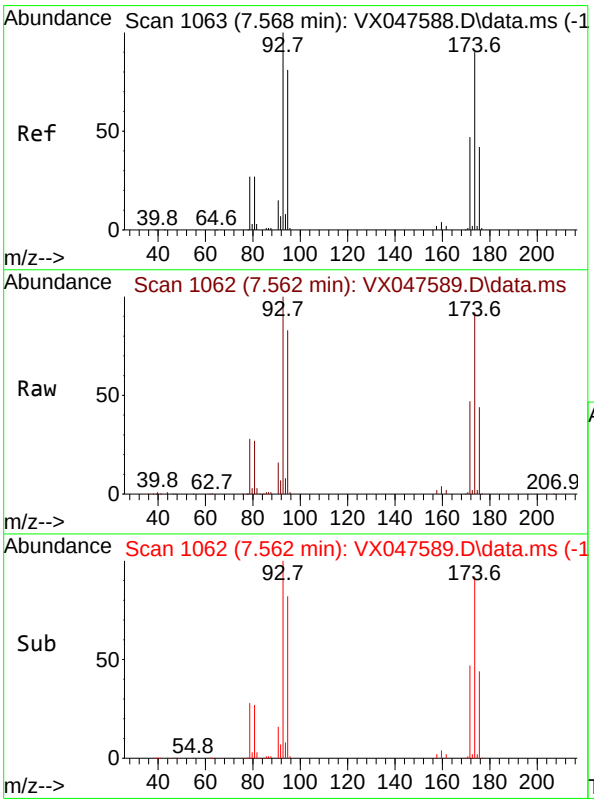
#45
1,2-Dichloropropane
Concen: 100.145 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 228150

Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1

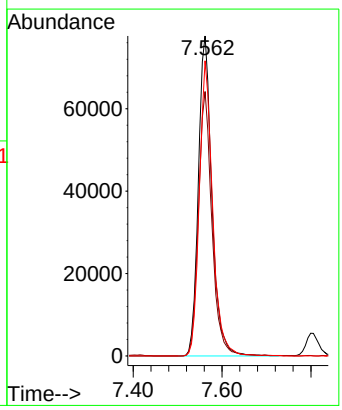


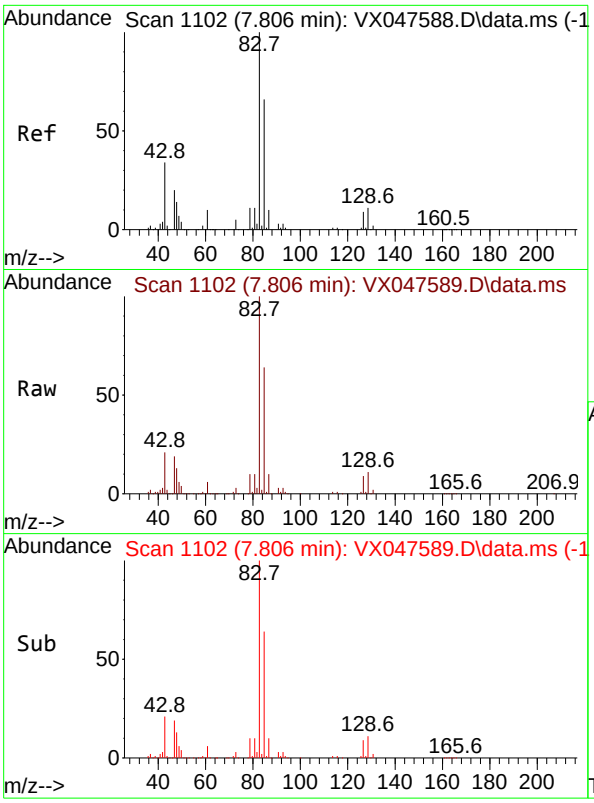


#46
Dibromomethane
Concen: 99.519 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 93 Resp: 164987

Ion	Ratio	Lower	Upper
93	100		
95	82.1	65.0	97.6
174	90.5	71.6	107.4



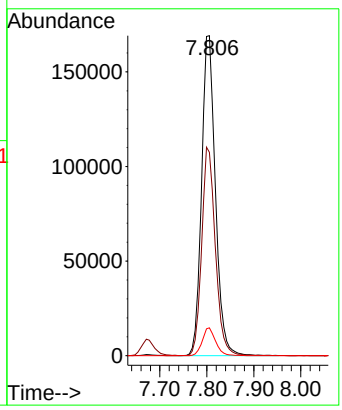


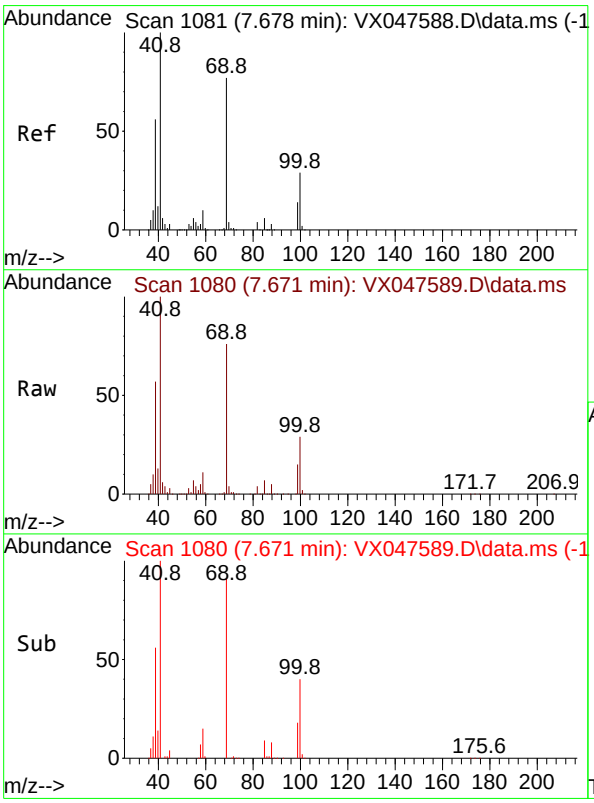
#47
Bromodichloromethane
Concen: 101.136 ug/l
RT: 7.806 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 345991

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.5	78.7
127	8.7	6.9	10.3

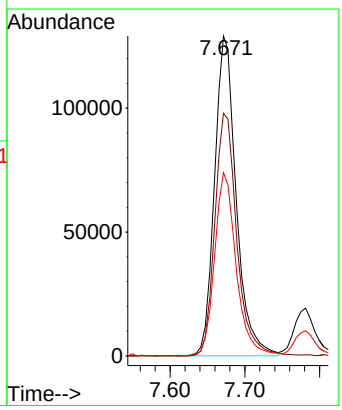


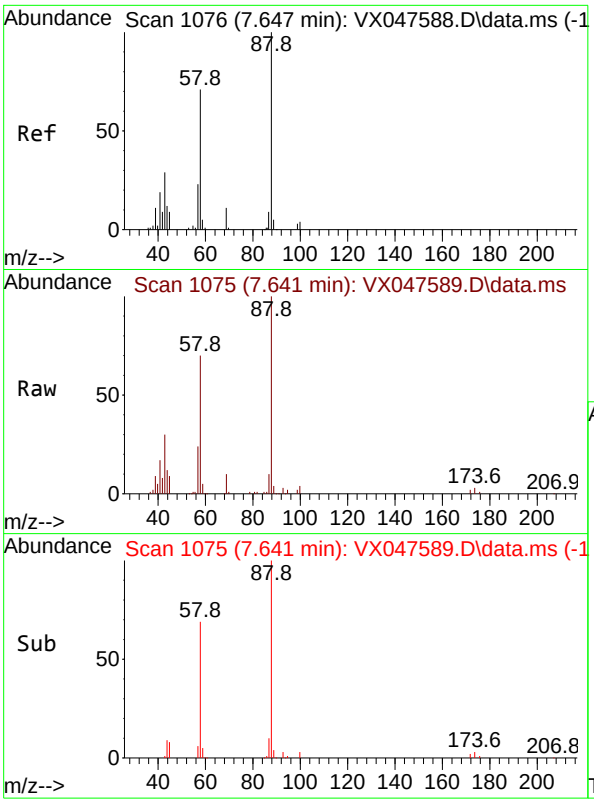


#48
Methyl methacrylate
Concen: 101.612 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 41 Resp: 260358

Ion	Ratio	Lower	Upper
41	100		
69	77.1	61.4	92.2
39	57.0	45.8	68.6



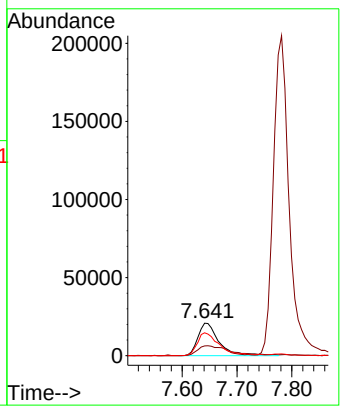


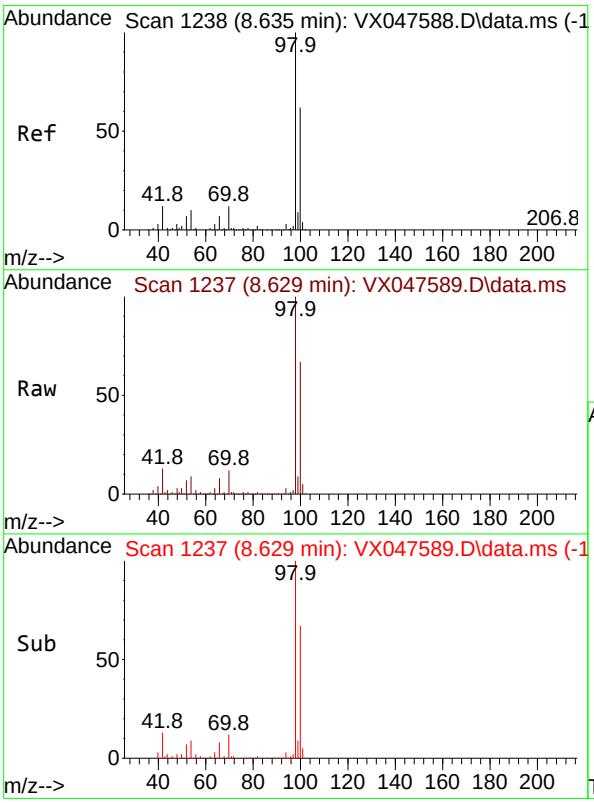
#49
1,4-Dioxane
Concen: 2190.315 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 56717

Ion	Ratio	Lower	Upper
88	100		
43	39.4	30.2	45.2
58	74.0	59.5	89.3

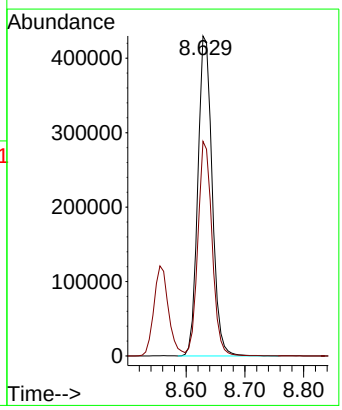


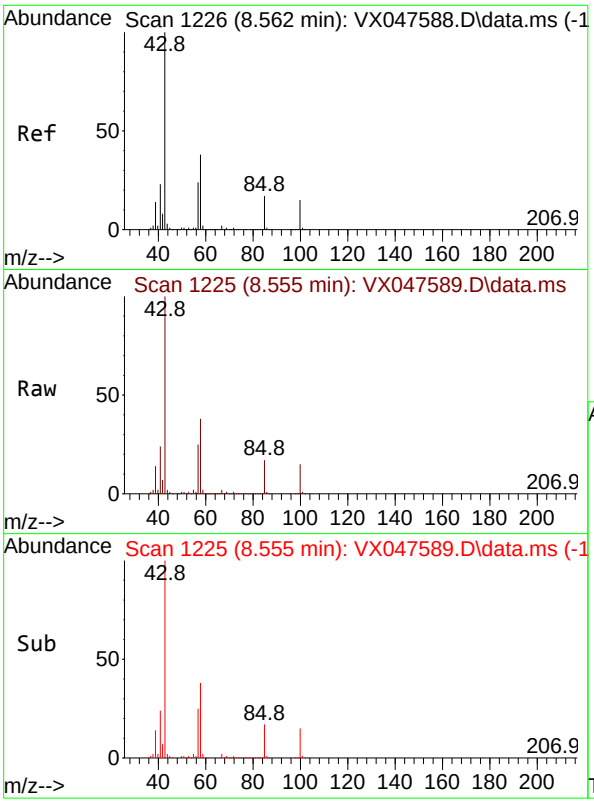


#50
Toluene-d8
Concen: 104.386 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 98 Resp: 724078

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.4



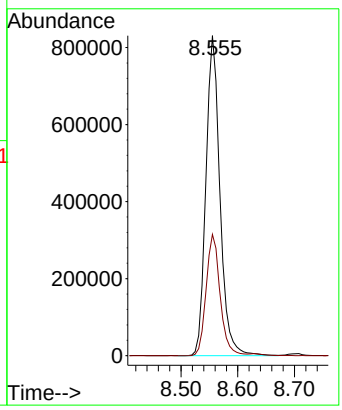


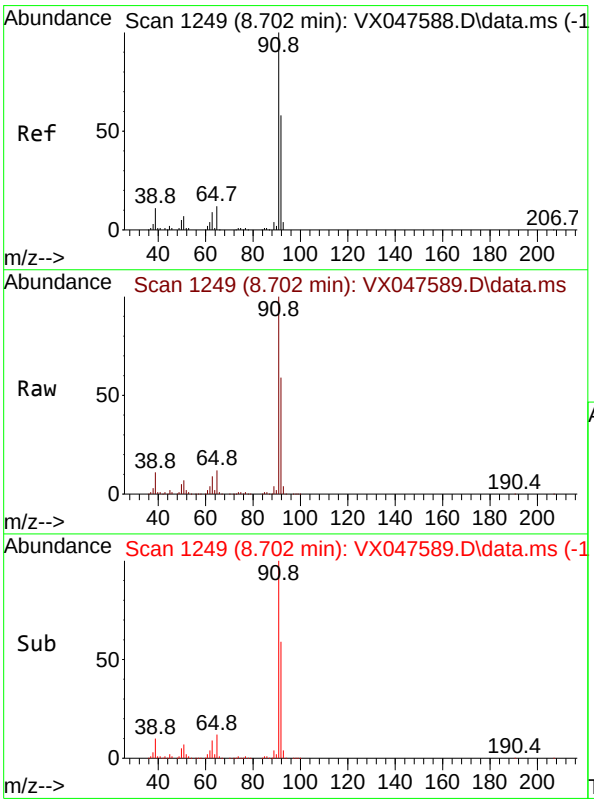
#51
4-Methyl-2-Pentanone
Concen: 501.834 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1431253

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.3	45.5

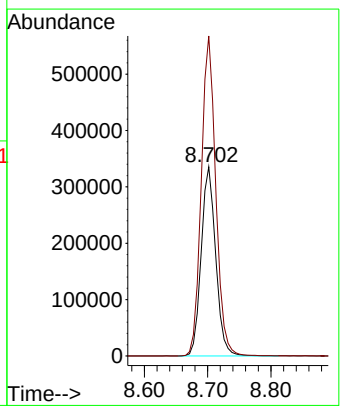


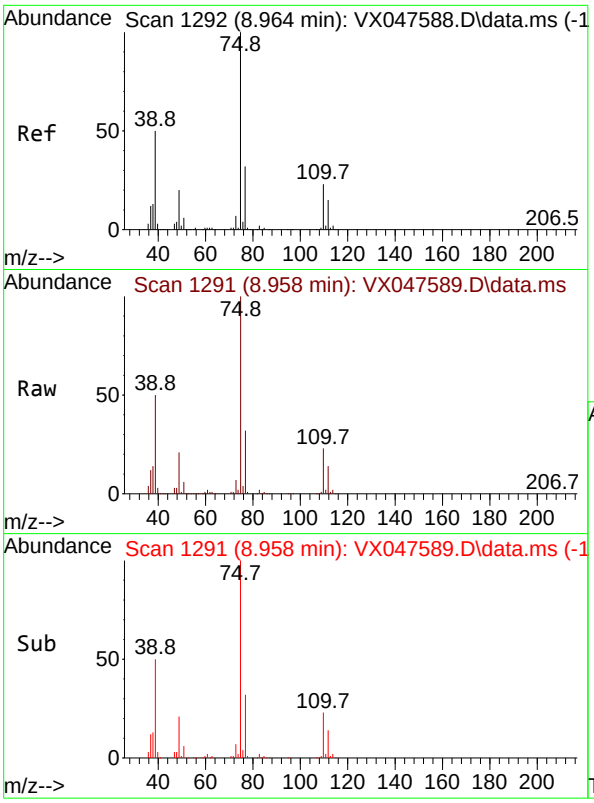


#52
Toluene
Concen: 97.811 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 92 Resp: 536148

Ion	Ratio	Lower	Upper
92	100		
91	169.3	137.1	205.7



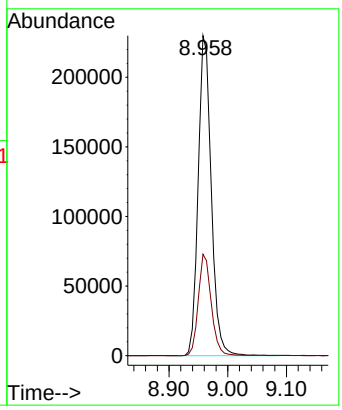


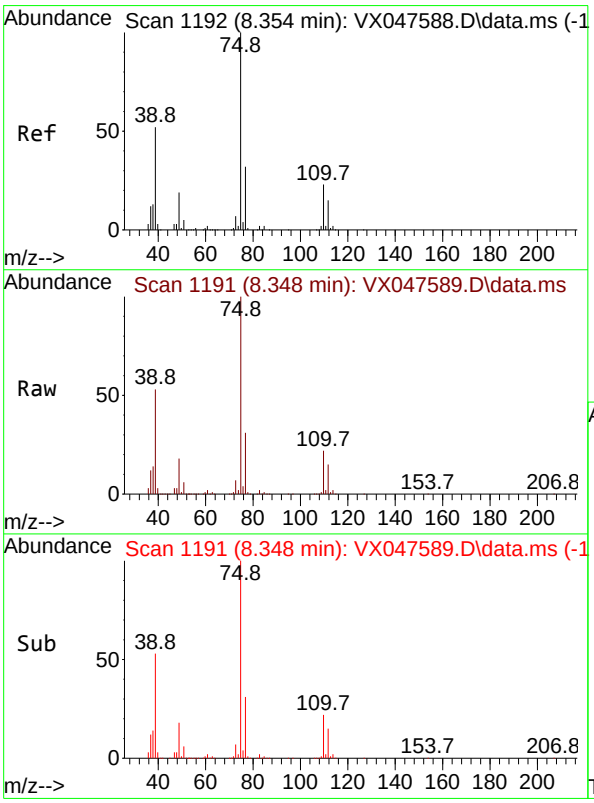
#53
t-1,3-Dichloropropene
Concen: 101.986 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 355881

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2

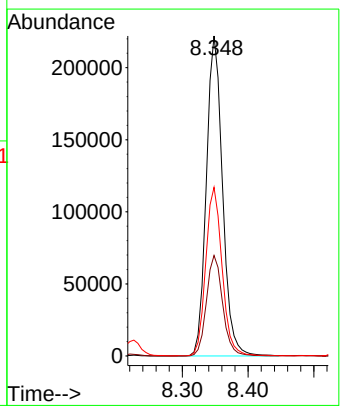


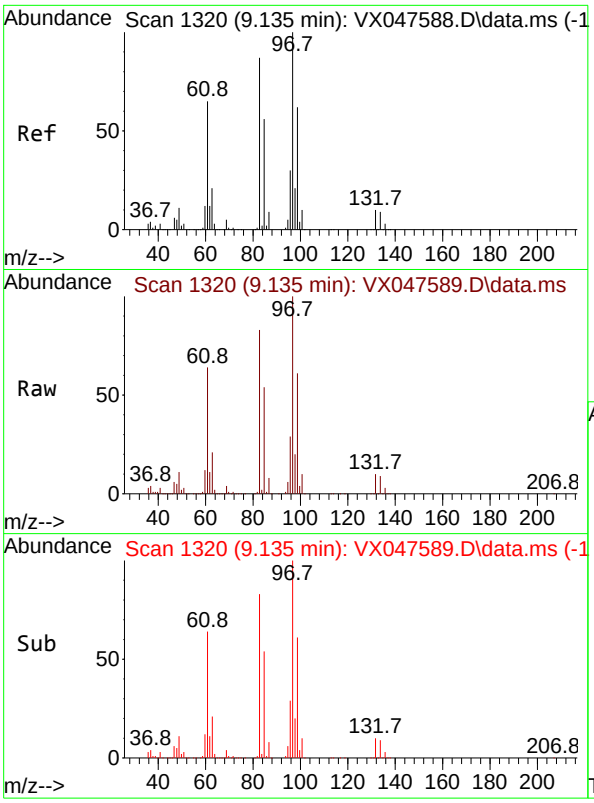


#54
cis-1,3-Dichloropropene
Concen: 102.038 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 380577

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.8	38.6
39	52.3	41.4	62.2



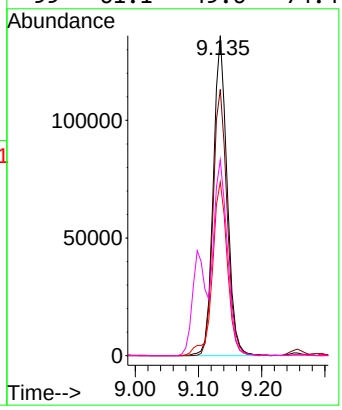


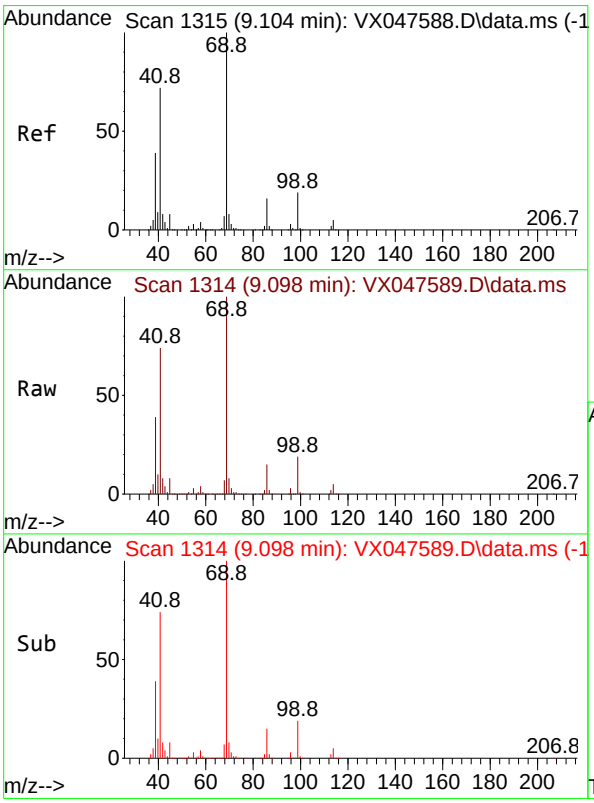
#55
1,1,2-Trichloroethane
Concen: 97.434 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 205939

Ion	Ratio	Lower	Upper
97	100		
83	83.2	69.6	104.4
85	54.3	45.0	67.6
99	61.1	49.6	74.4

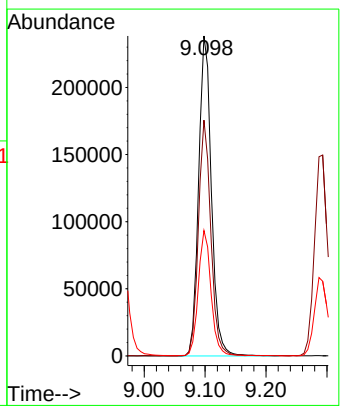


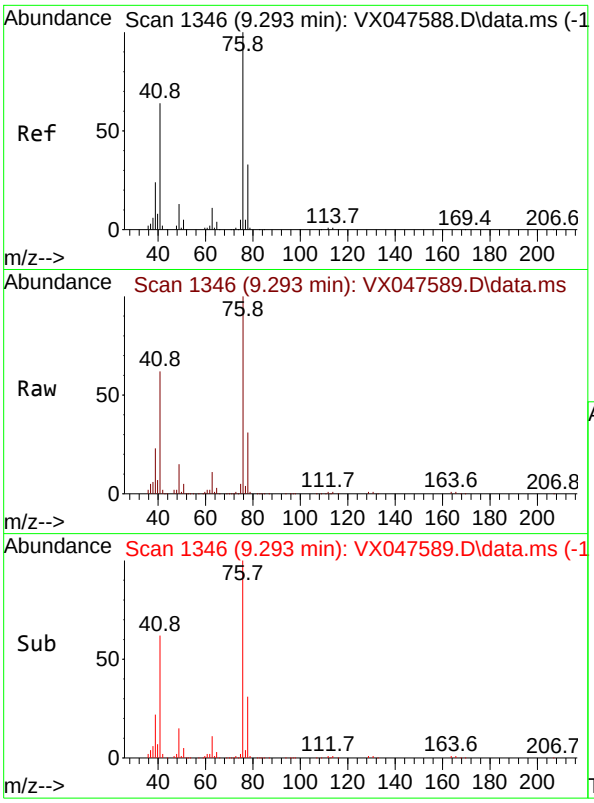


#56
Ethyl methacrylate
Concen: 104.435 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 69 Resp: 346659

Ion	Ratio	Lower	Upper
69	100		
41	71.7	58.6	87.8
39	39.0	31.5	47.3



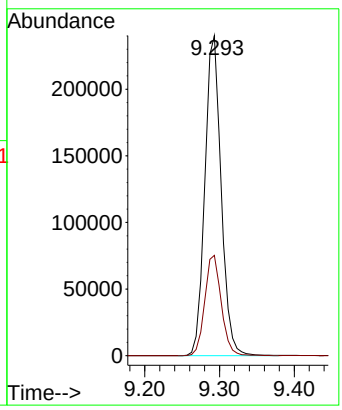


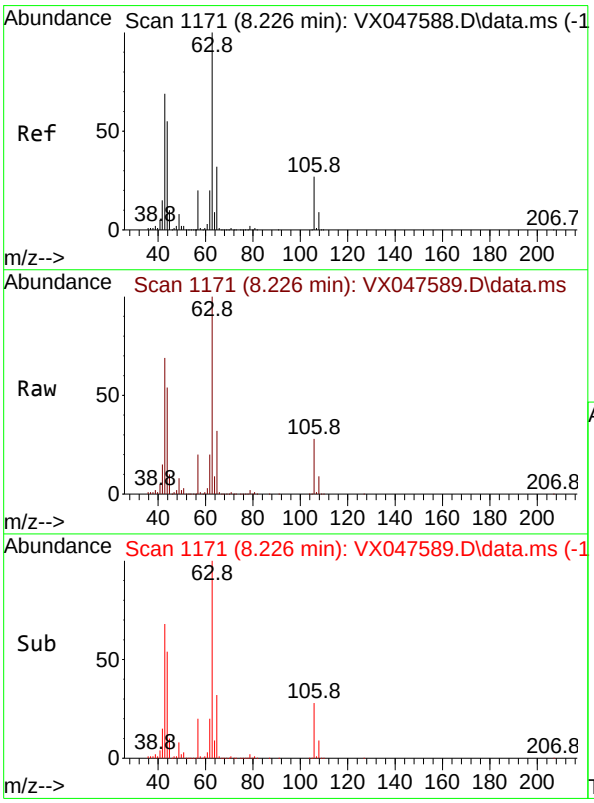
#57
1,3-Dichloropropane
Concen: 99.935 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 362848

Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.2	39.4

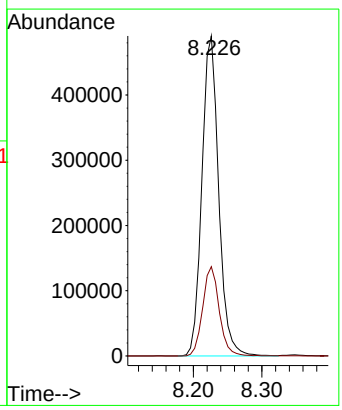


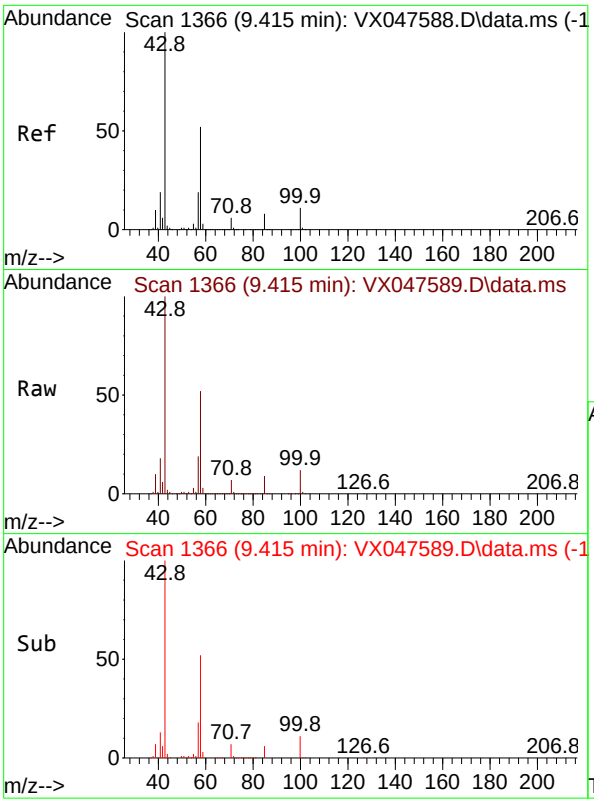


#58
2-Chloroethyl Vinyl ether
Concen: 499.814 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 63 Resp: 836362

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.9	32.9



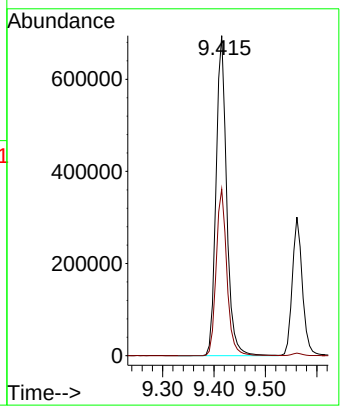


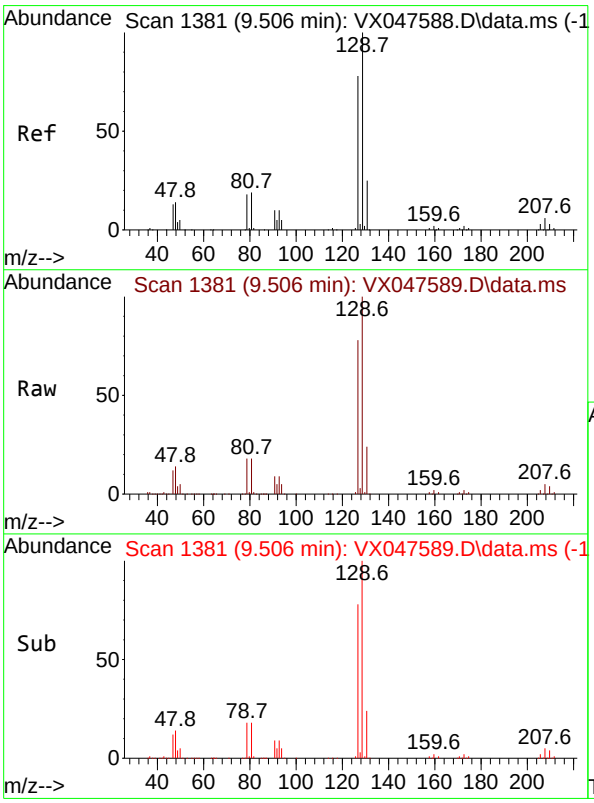
#59
2-Hexanone
Concen: 486.380 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 996274

Ion	Ratio	Lower	Upper
43	100		
58	52.4	26.1	78.2

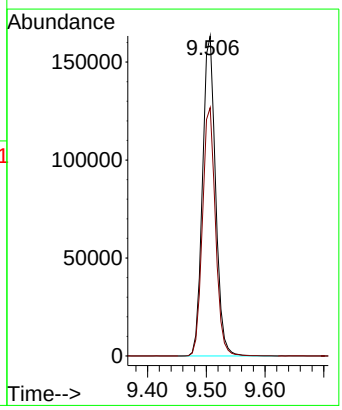


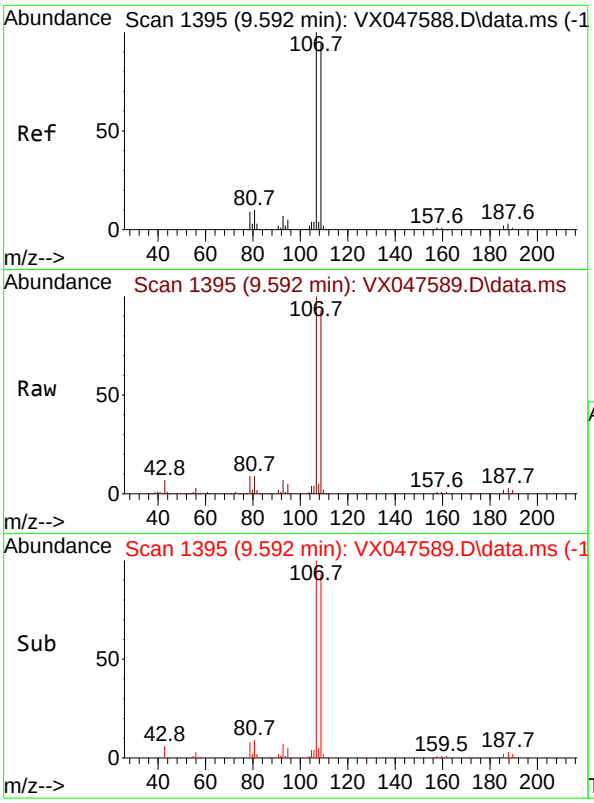


#60
Dibromochloromethane
Concen: 103.226 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:129 Resp: 251394

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.4	115.2



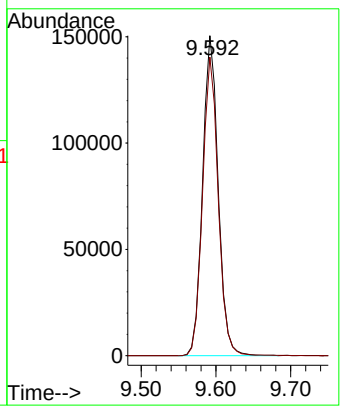


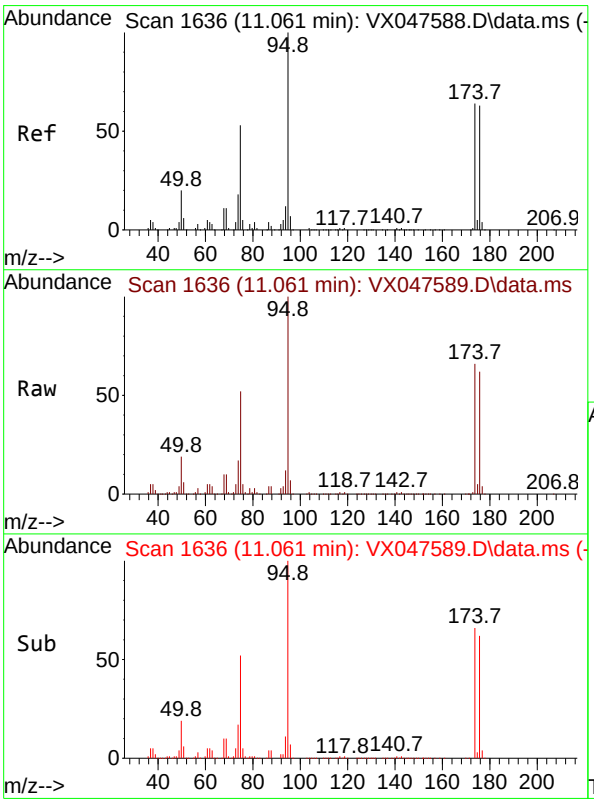
#61
1,2-Dibromoethane
Concen: 101.147 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 217751

Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.3	112.9

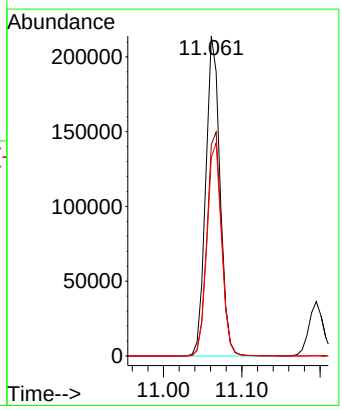


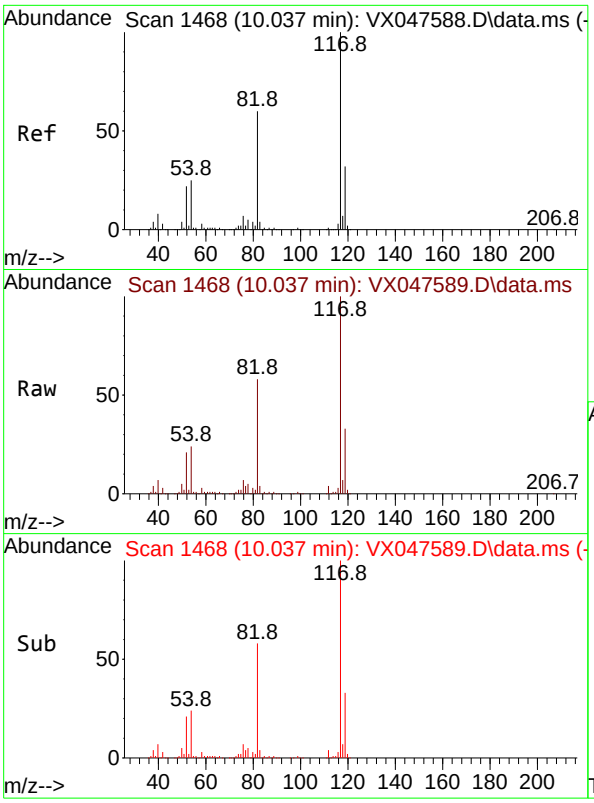


#62
4-Bromofluorobenzene
Concen: 102.672 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 95 Resp: 270289

Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	141.6
176	68.0	0.0	138.4



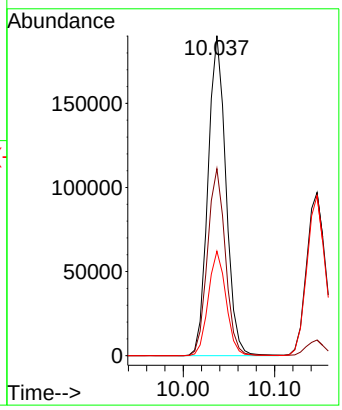


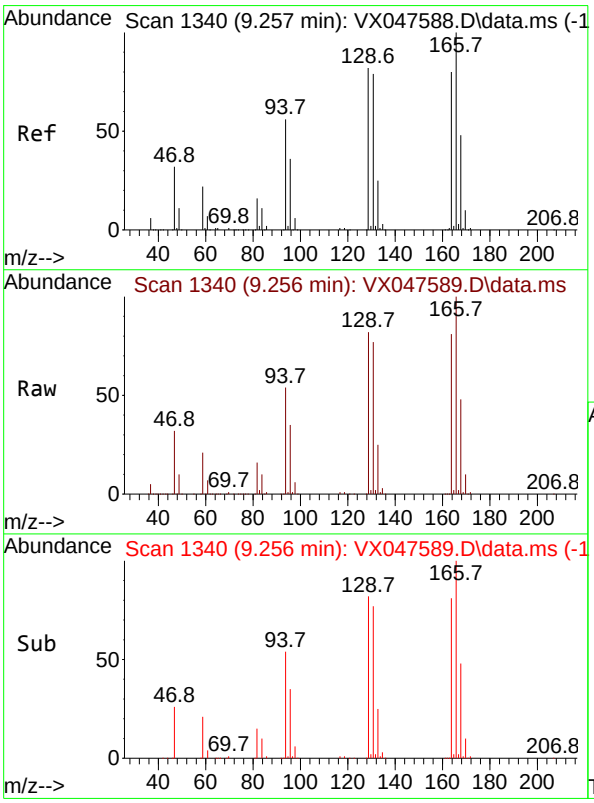
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 258399

Ion	Ratio	Lower	Upper
117	100		
82	58.4	47.8	71.6
119	32.7	25.2	37.8

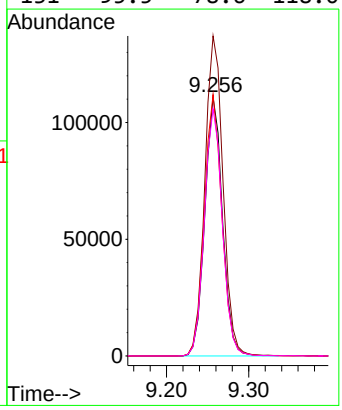


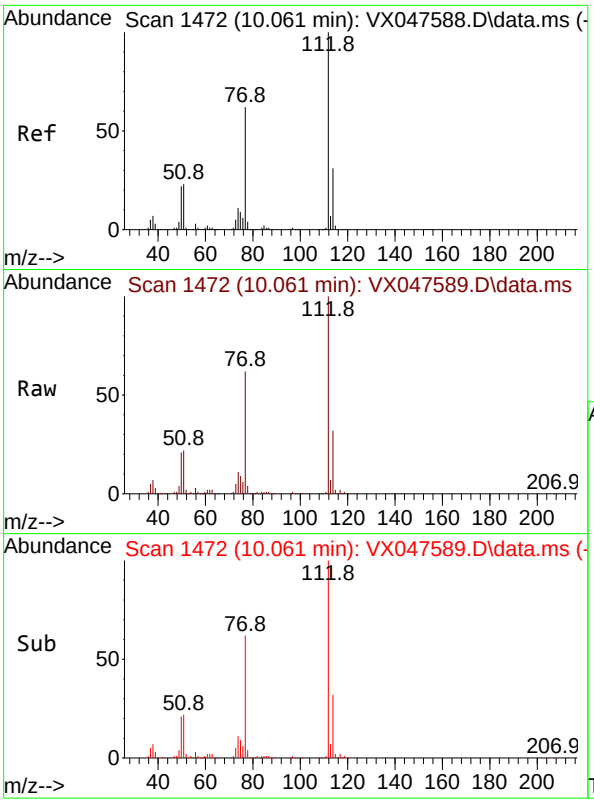


#64
Tetrachloroethene
Concen: 98.284 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:164 Resp: 165559

Ion	Ratio	Lower	Upper
164	100		
166	123.6	100.2	150.2
129	100.9	81.8	122.6
131	95.5	78.6	118.0



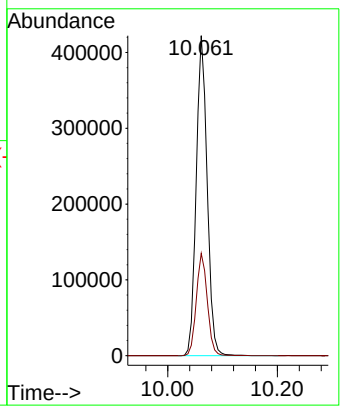


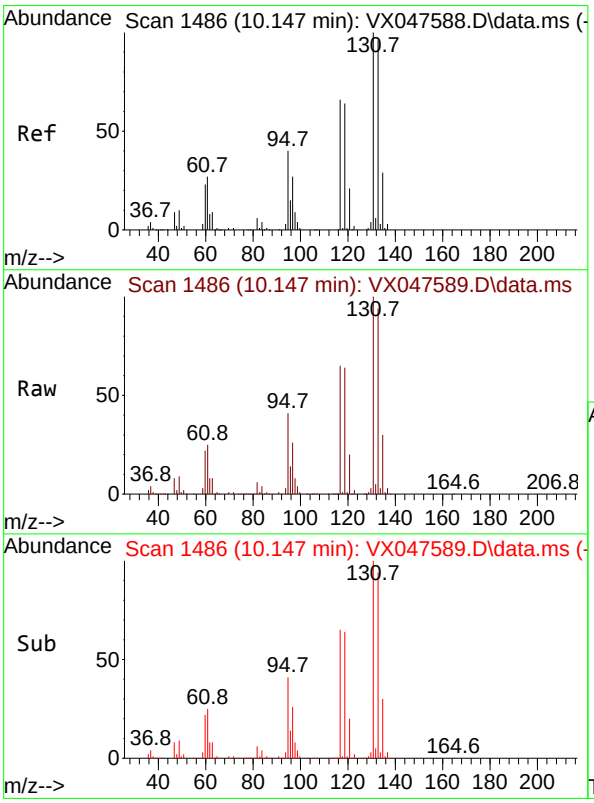
#65
Chlorobenzene
Concen: 100.253 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 588517

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.1	37.7

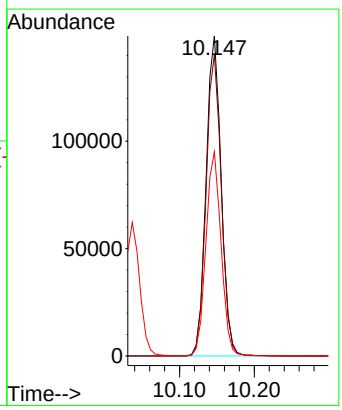


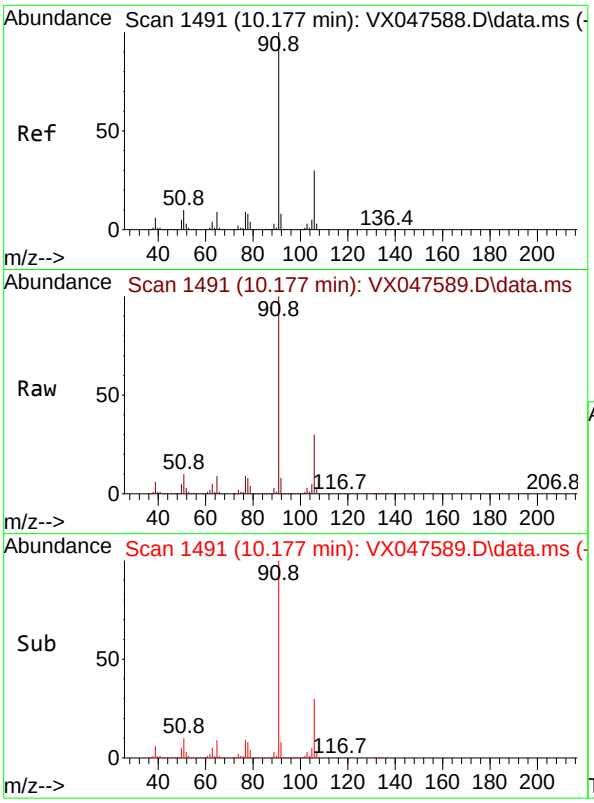


#66
1,1,1,2-Tetrachloroethane
Concen: 102.988 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:131 Resp: 208621

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.3	142.0
119	64.2	32.0	96.0



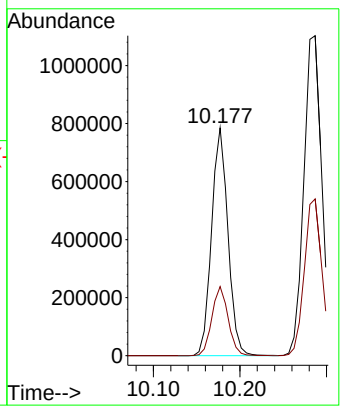


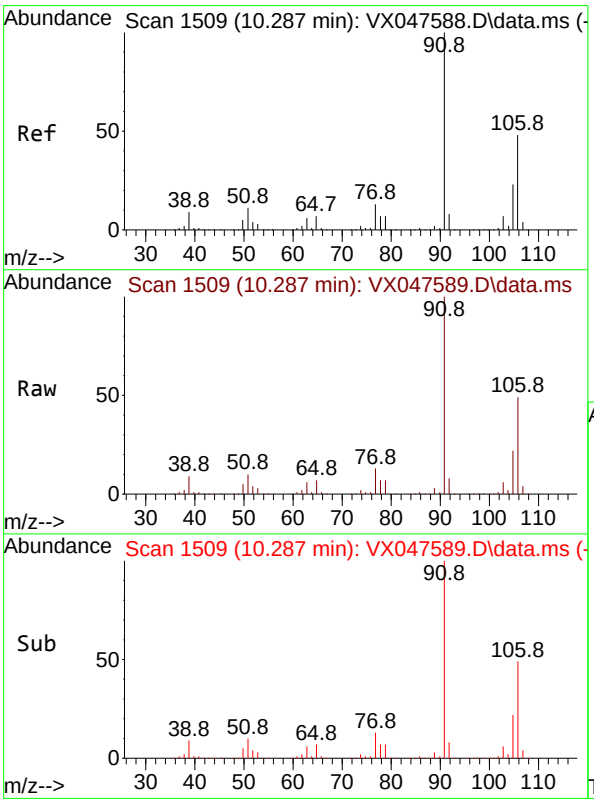
#67
Ethyl Benzene
Concen: 101.823 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1031346

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.3	36.5

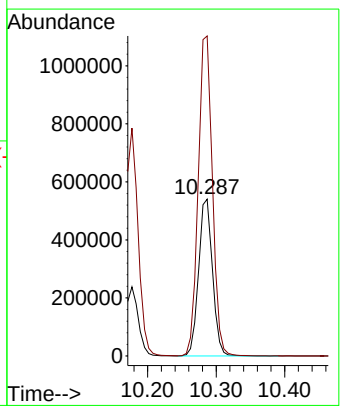


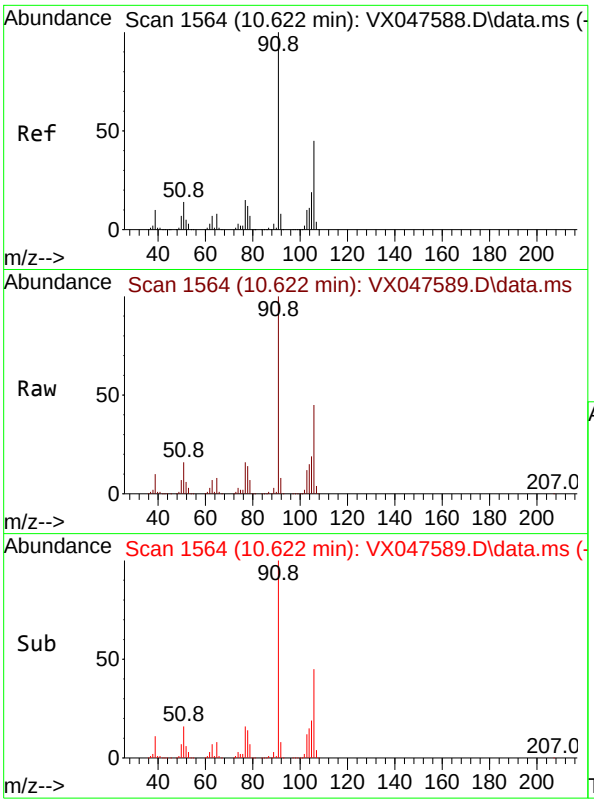


#68
m/p-Xylenes
Concen: 202.624 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:106 Resp: 763898

Ion	Ratio	Lower	Upper
106	100		
91	208.5	167.8	251.8



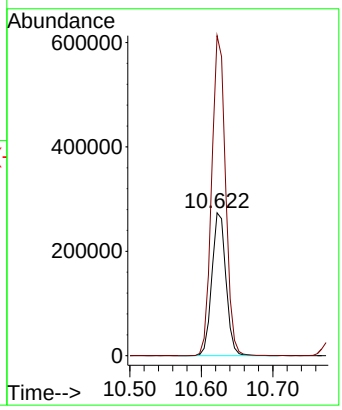


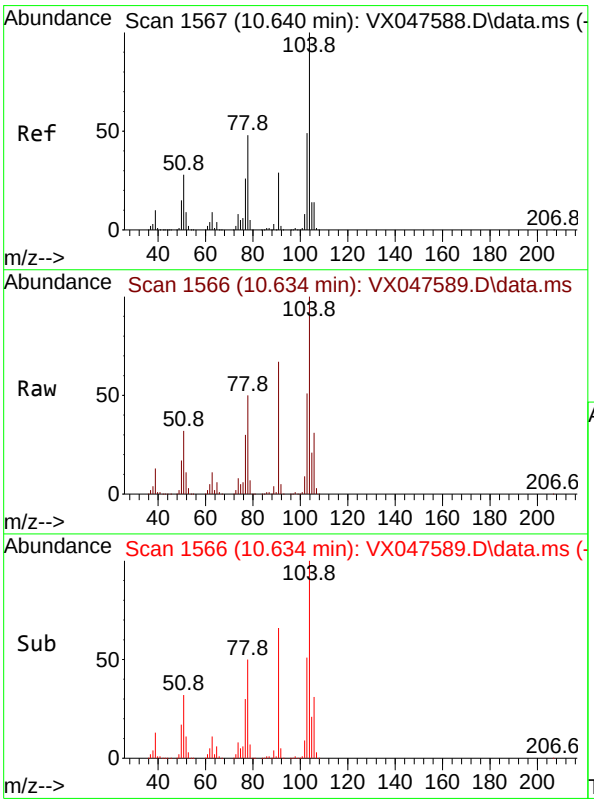
#69
o-Xylene
Concen: 102.186 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 372621

Ion	Ratio	Lower	Upper
106	100		
91	221.3	111.1	333.4

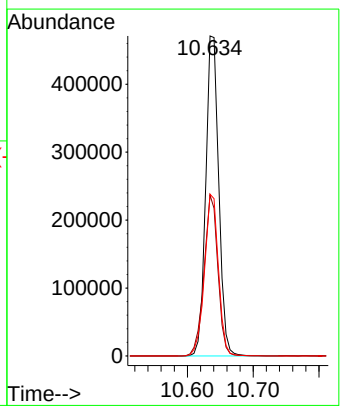


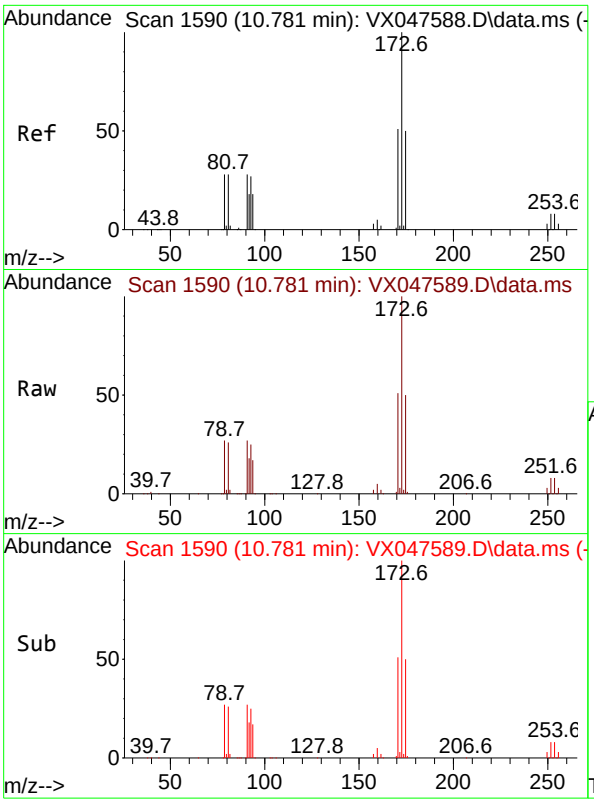


#70
Styrene
Concen: 101.710 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:104 Resp: 649863

Ion	Ratio	Lower	Upper
104	100		
78	53.5	43.1	64.7
103	54.1	43.1	64.7



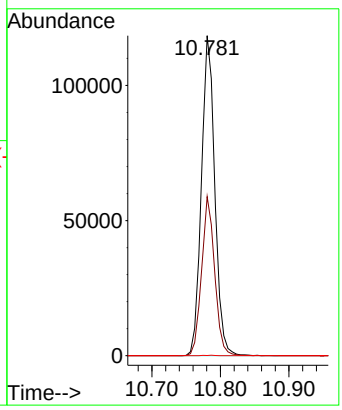


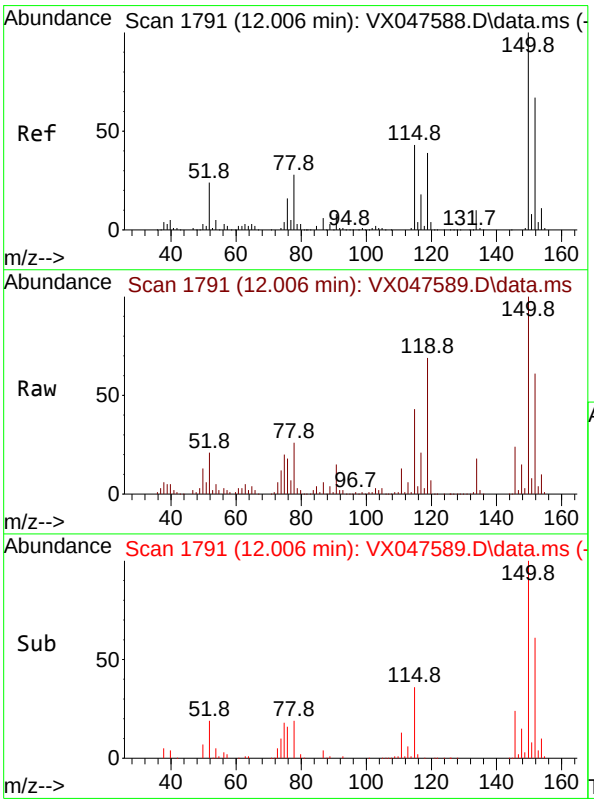
#71
Bromoform
Concen: 106.566 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 161188

Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.9	74.6
254	0.1	0.1	0.1

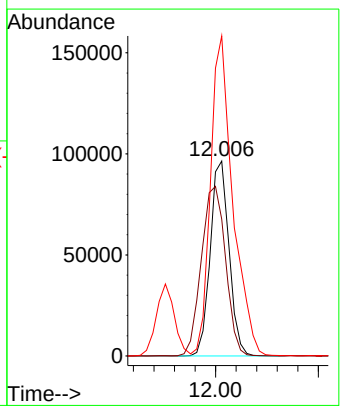


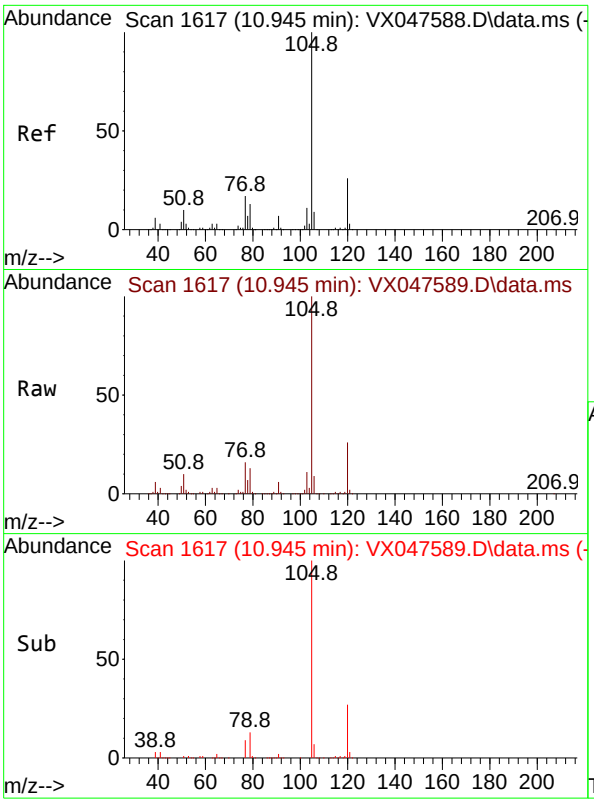


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:152 Resp: 122218

Ion	Ratio	Lower	Upper
152	100		
115	112.6	44.9	134.5
150	195.0	0.0	352.0



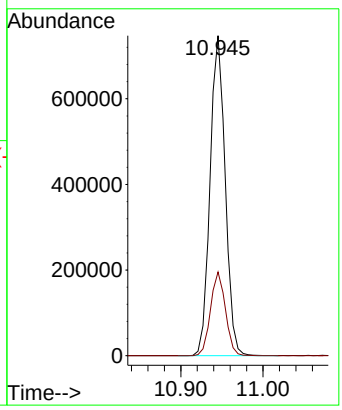


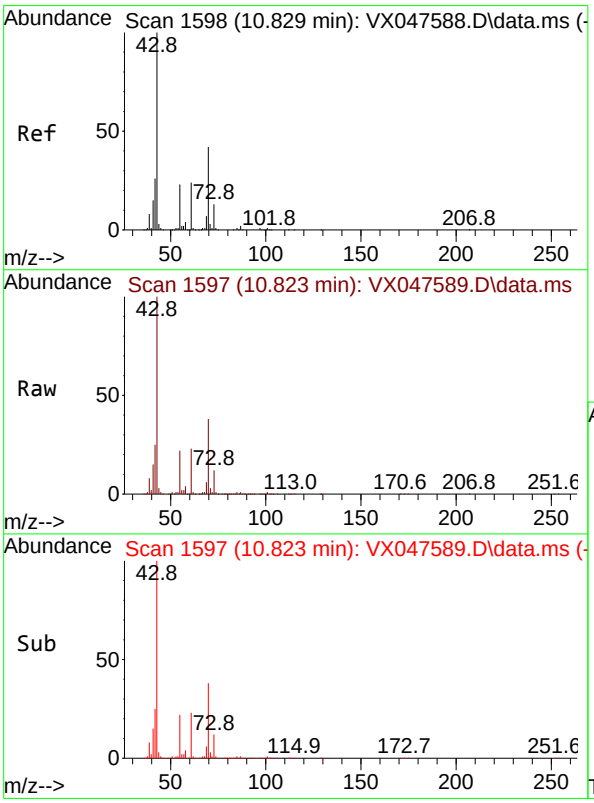
#73
Isopropylbenzene
Concen: 102.768 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 954900

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.4

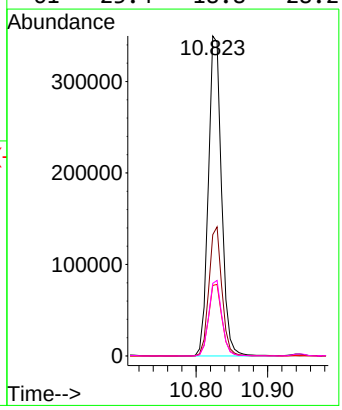


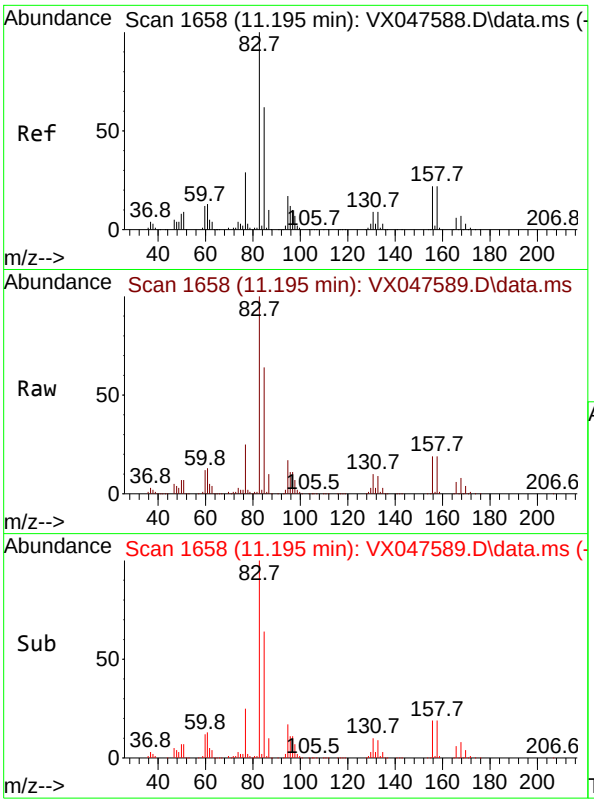


#74
N-amyl acetate
Concen: 105.812 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 448344

Ion	Ratio	Lower	Upper
43	100		
70	39.6	32.0	48.0
55	22.8	18.9	28.3
61	23.4	18.8	28.2



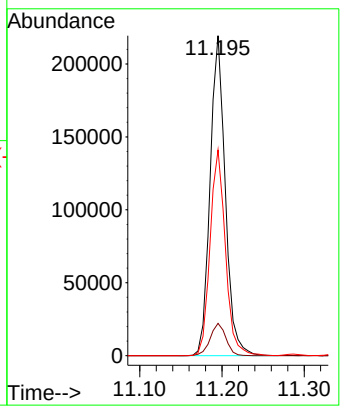


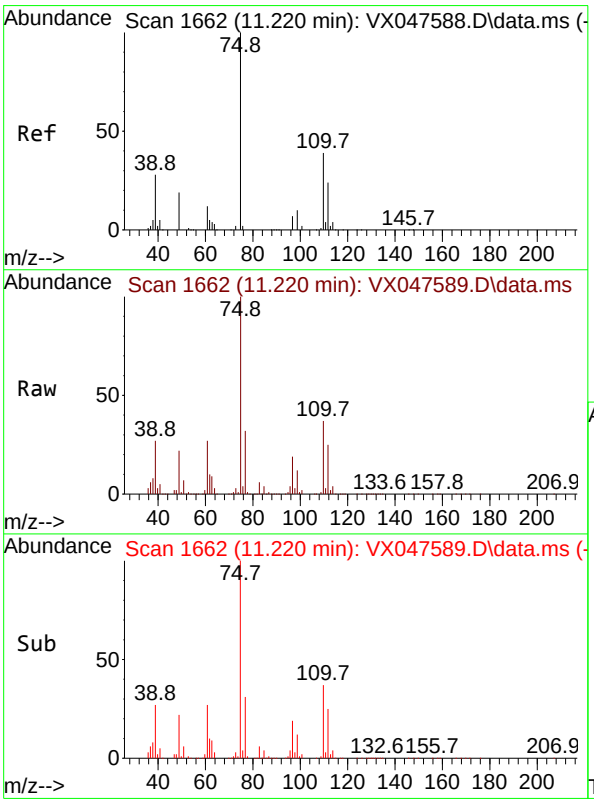
#75
1,1,2,2-Tetrachloroethane
Concen: 100.172 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 281608

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.0	14.9
85	65.1	31.6	95.0

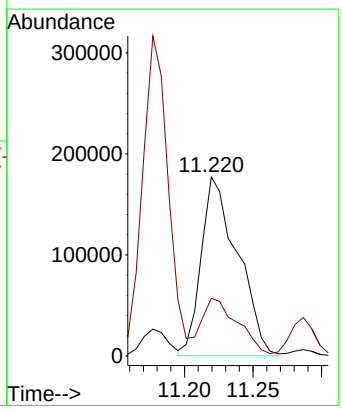


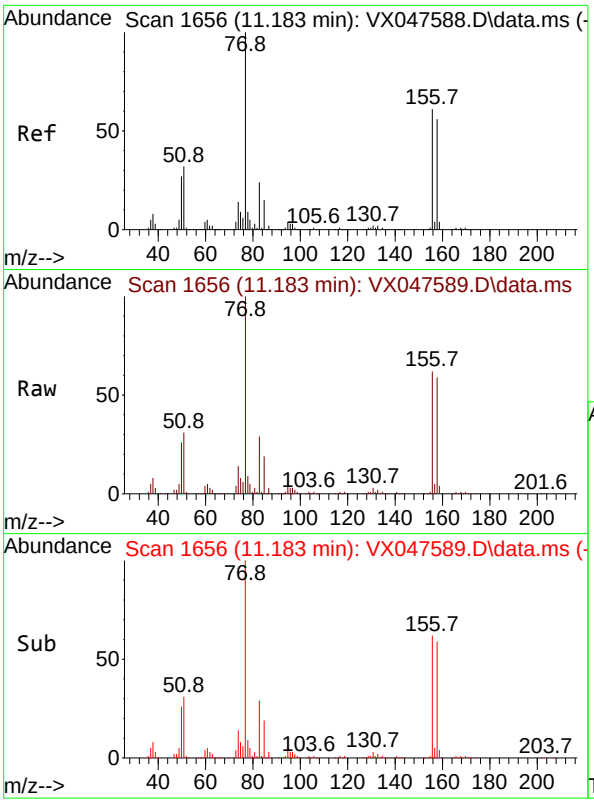


#76
1,2,3-Trichloropropane
Concen: 132.545 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 327988

Ion	Ratio	Lower	Upper
75	100		
77	30.7	18.8	56.4



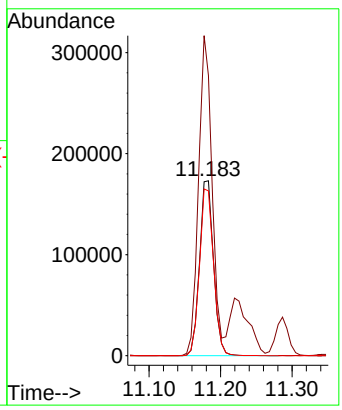


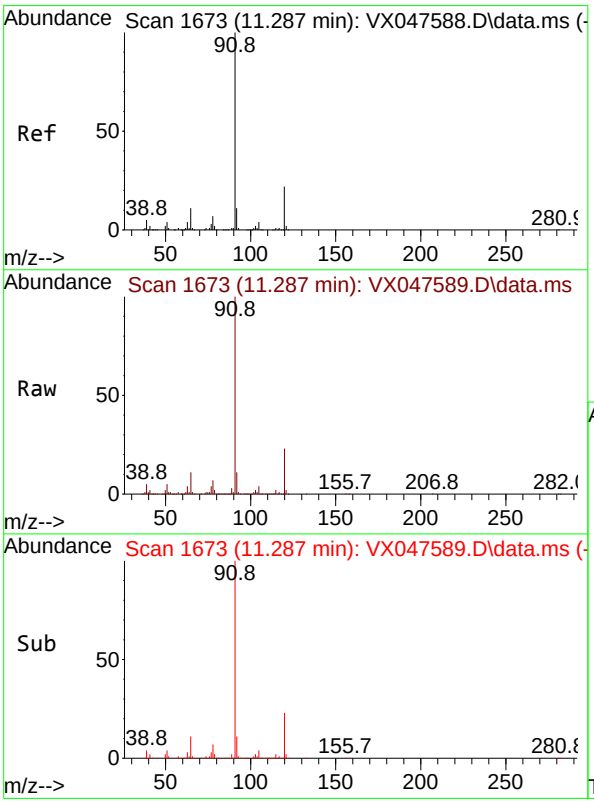
#77
Bromobenzene
Concen: 102.541 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 234666

Ion	Ratio	Lower	Upper
156	100		
77	176.0	89.7	269.1
158	96.5	47.9	143.6

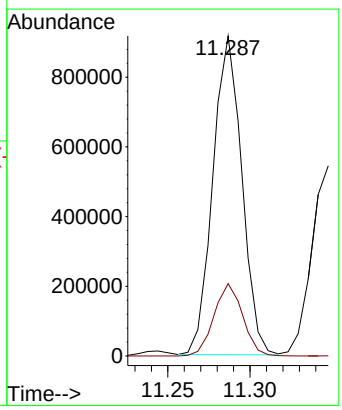


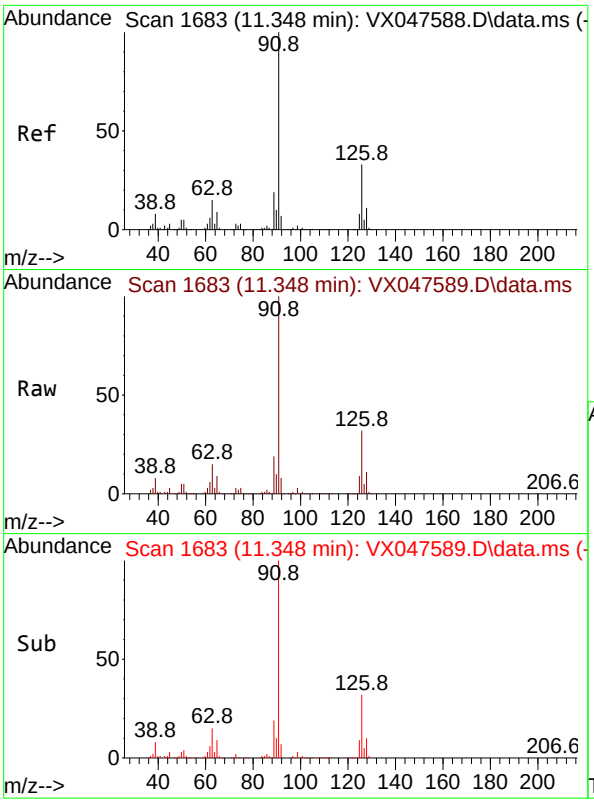


#78
n-propylbenzene
Concen: 101.941 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 1119728

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1



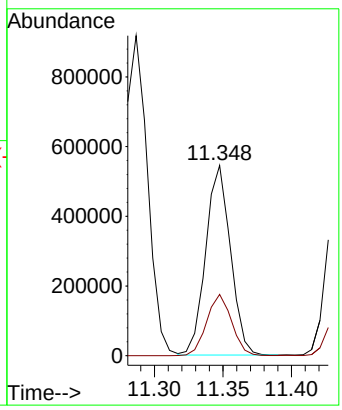


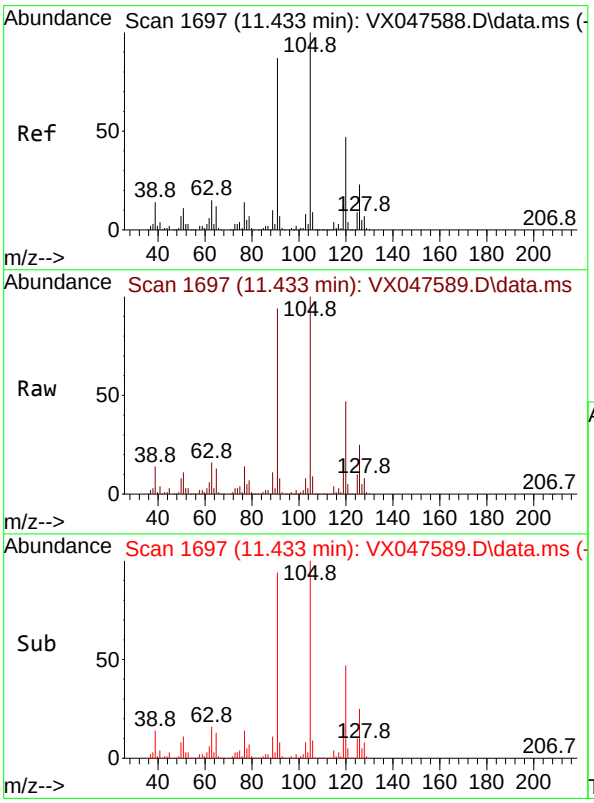
#79
2-Chlorotoluene
Concen: 101.652 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 683867

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3

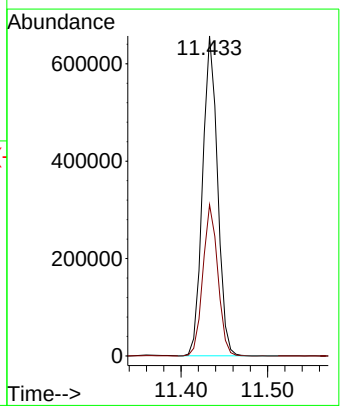


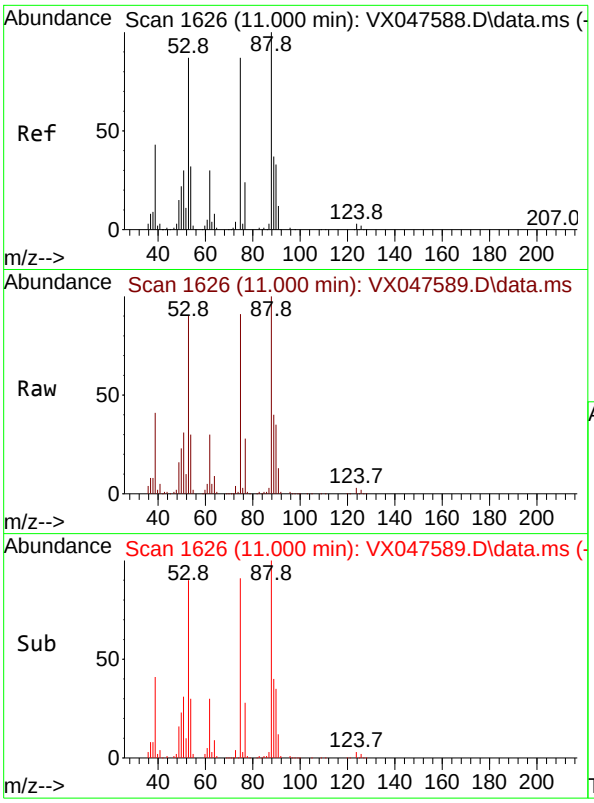


#80
1,3,5-Trimethylbenzene
Concen: 103.134 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:105 Resp: 787327

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.6	70.8



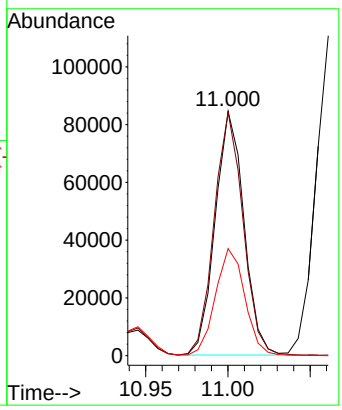


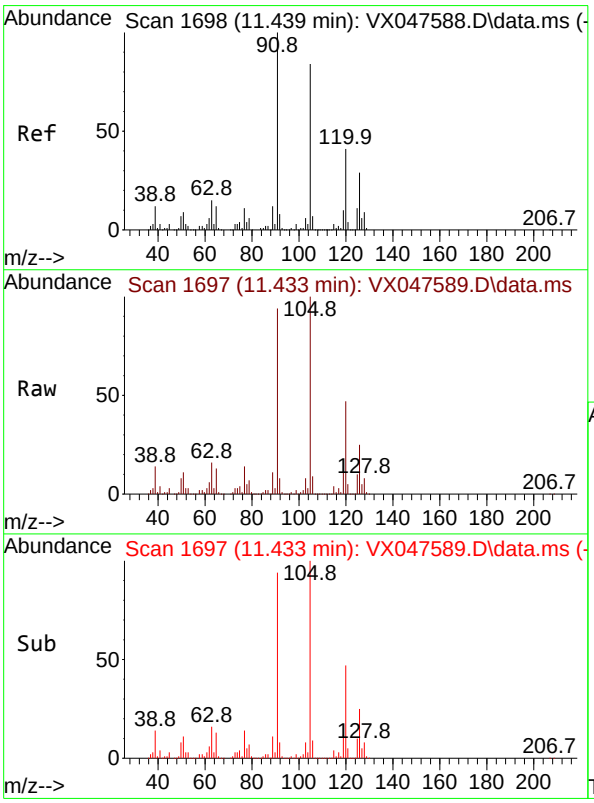
#81
trans-1,4-Dichloro-2-butene
Concen: 105.689 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 102555

Ion	Ratio	Lower	Upper
75	100		
53	101.1	83.4	125.2
89	45.3	36.3	54.5

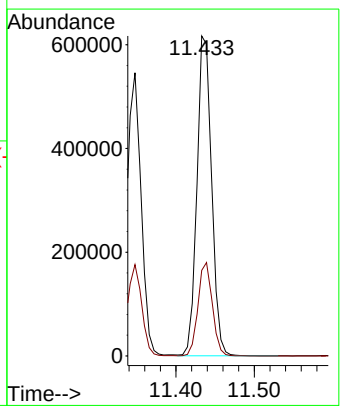


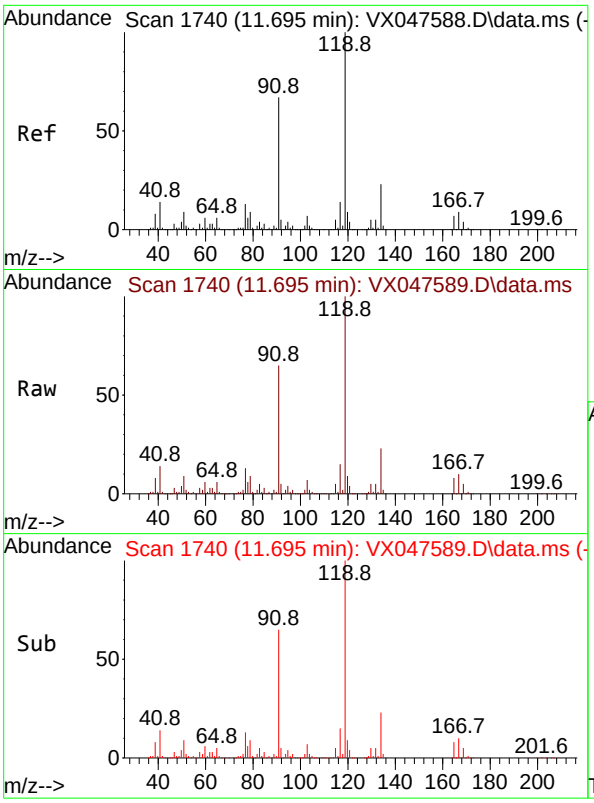


#82
4-Chlorotoluene
Concen: 101.054 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 802929

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6



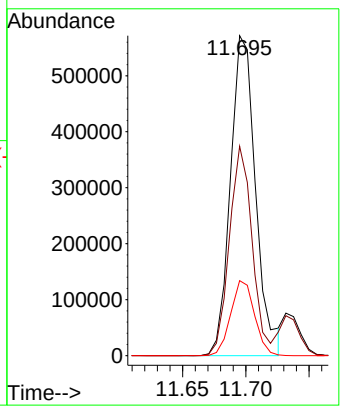


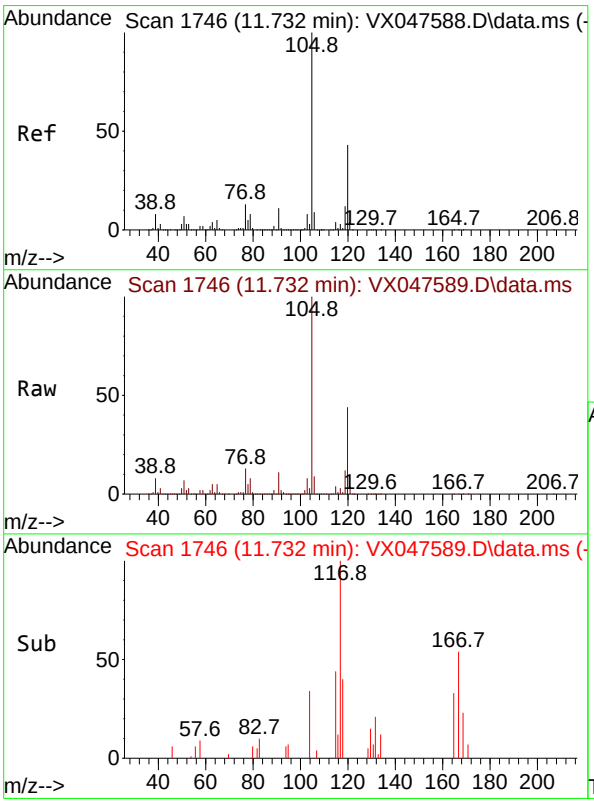
#83
tert-Butylbenzene
Concen: 101.333 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 791896

Ion	Ratio	Lower	Upper
119	100		
91	59.3	29.6	88.8
134	22.3	11.0	33.0

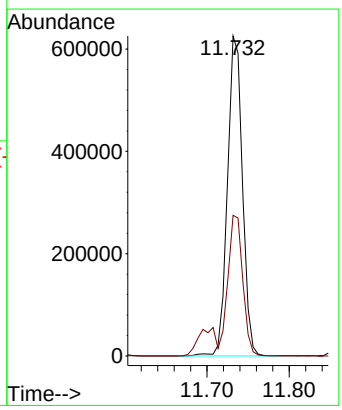


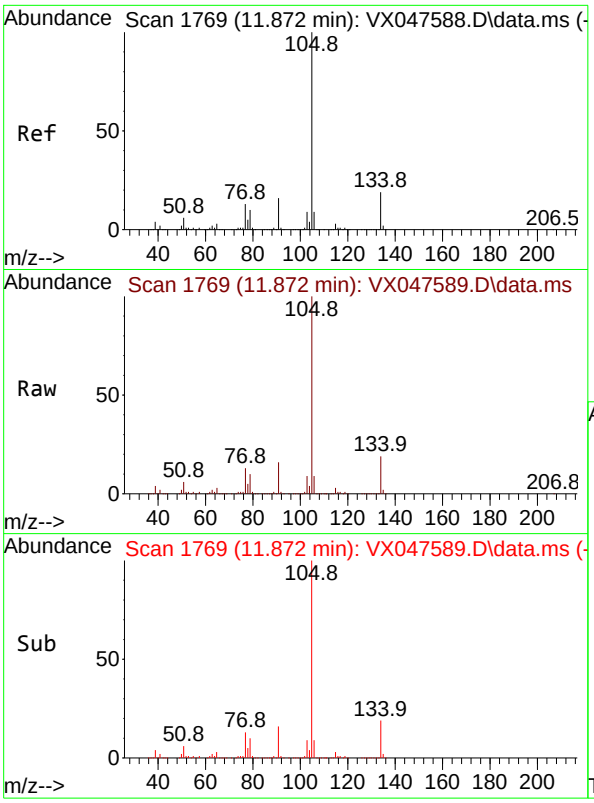


#84
1,2,4-Trimethylbenzene
Concen: 102.144 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:105 Resp: 790557

Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.1	66.1



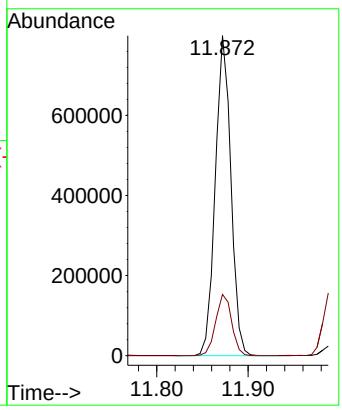


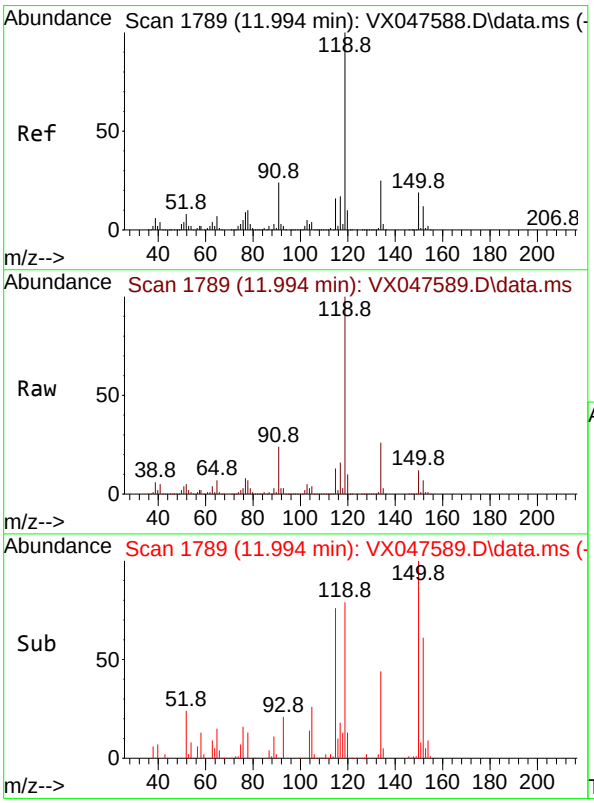
#85
sec-Butylbenzene
Concen: 101.840 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 945321

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

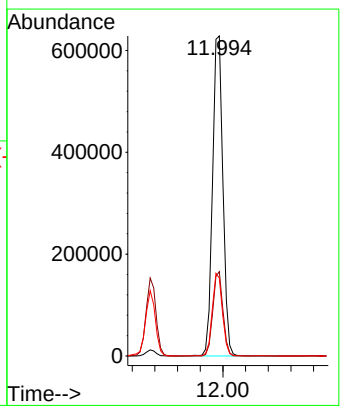


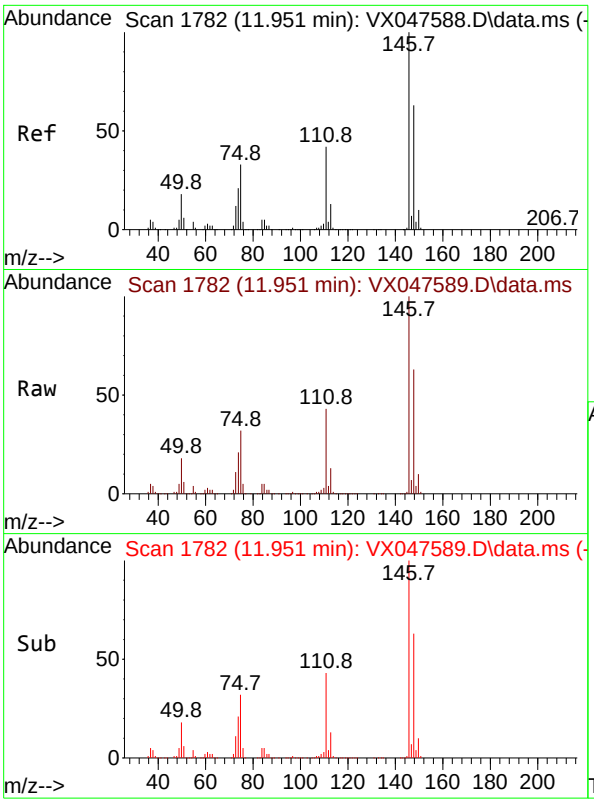


#86
p-Isopropyltoluene
Concen: 101.501 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:119 Resp: 797643

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.6	37.8
91	25.2	12.6	37.6



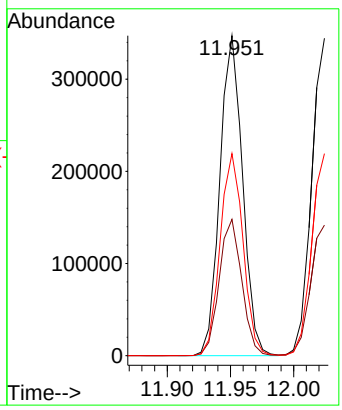


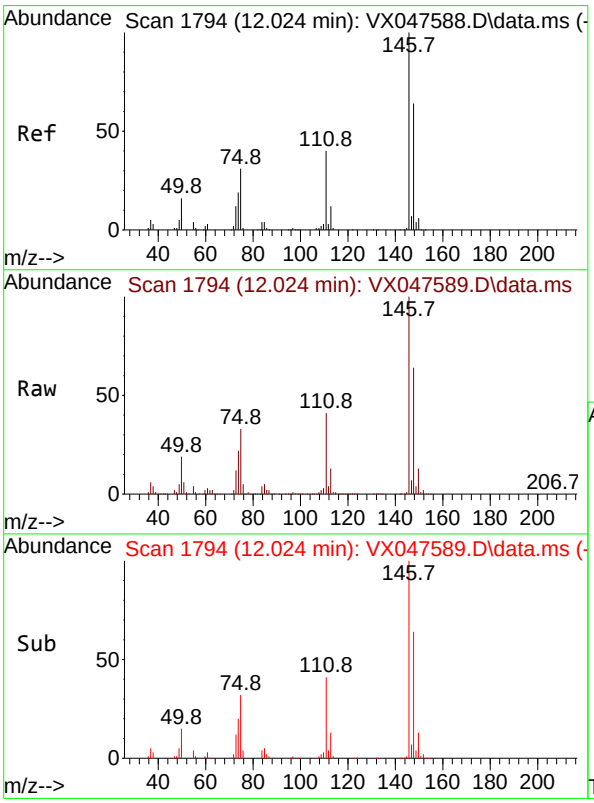
#87
1,3-Dichlorobenzene
Concen: 101.689 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 432248

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.5	64.5
148	63.9	32.0	96.0

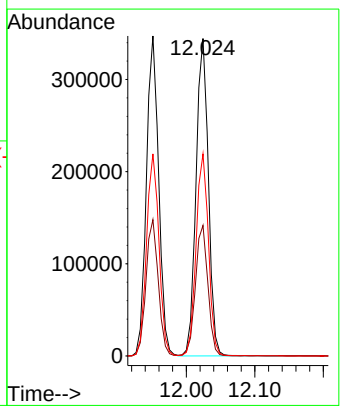


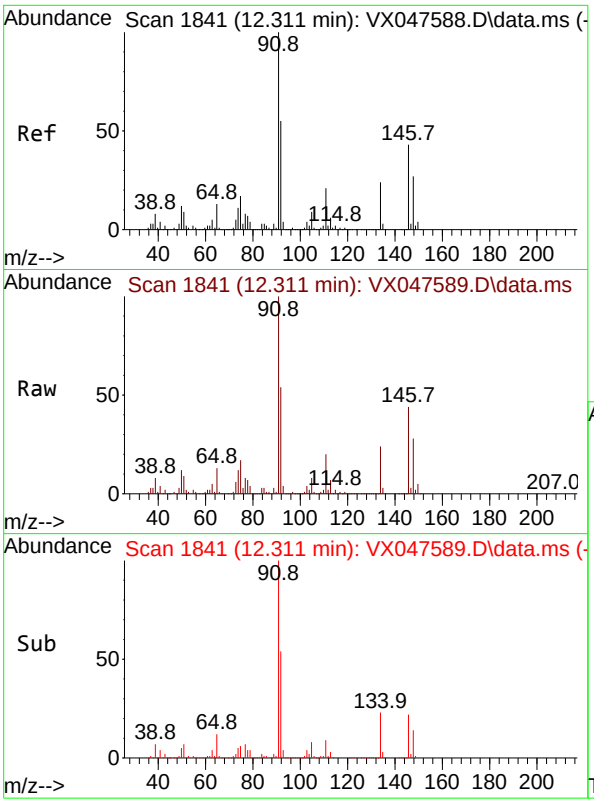


#88
1,4-Dichlorobenzene
Concen: 98.985 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:146 Resp: 431839

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.4
148	63.8	31.7	95.1



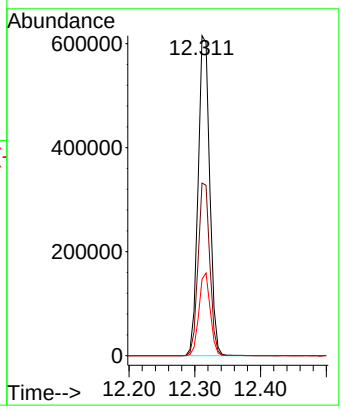


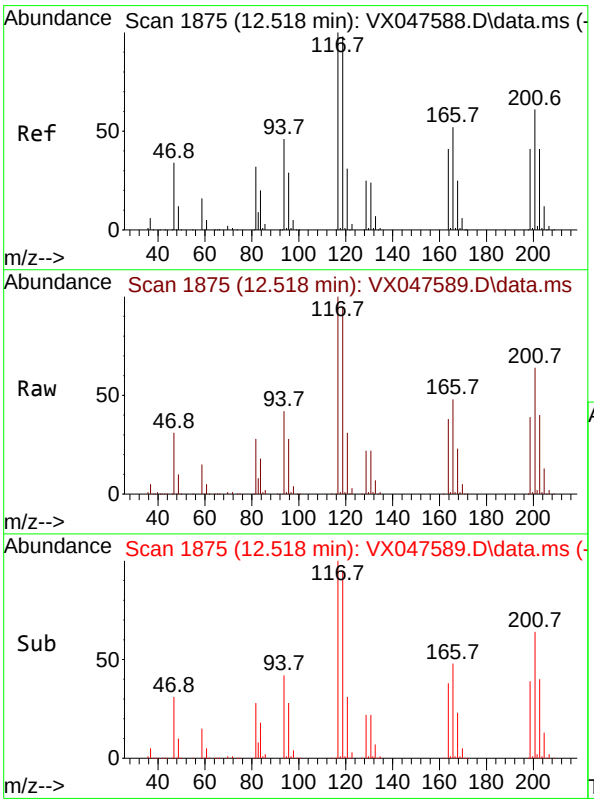
#89
n-Butylbenzene
Concen: 104.138 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 757239

Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.6	82.7
134	25.1	12.6	37.8

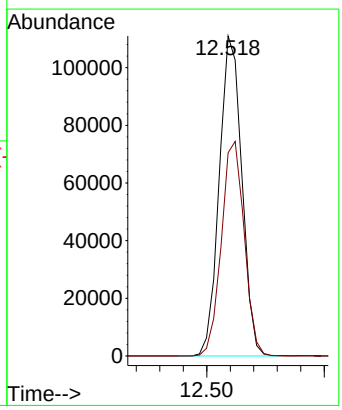


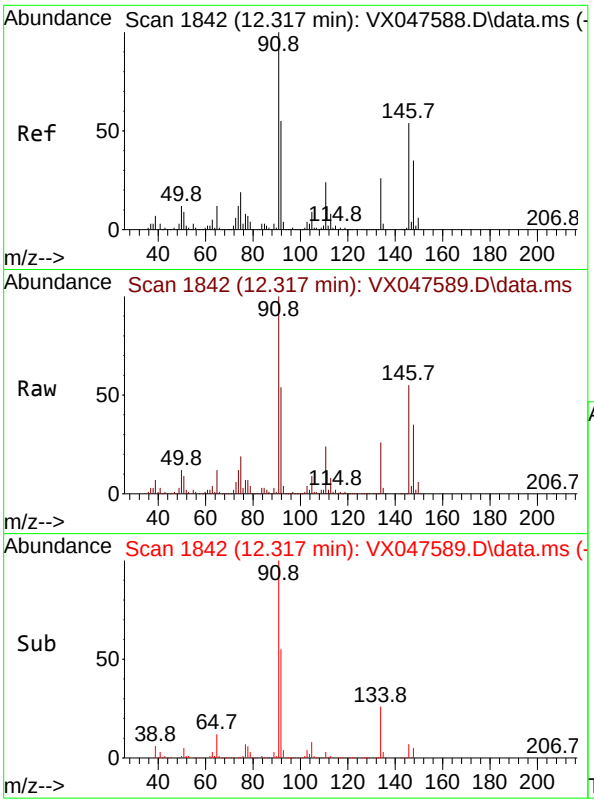


#90
Hexachloroethane
Concen: 107.304 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:117 Resp: 148048

Ion	Ratio	Lower	Upper
117	100		
201	68.1	34.2	102.5



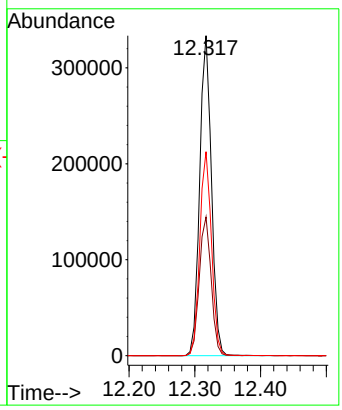


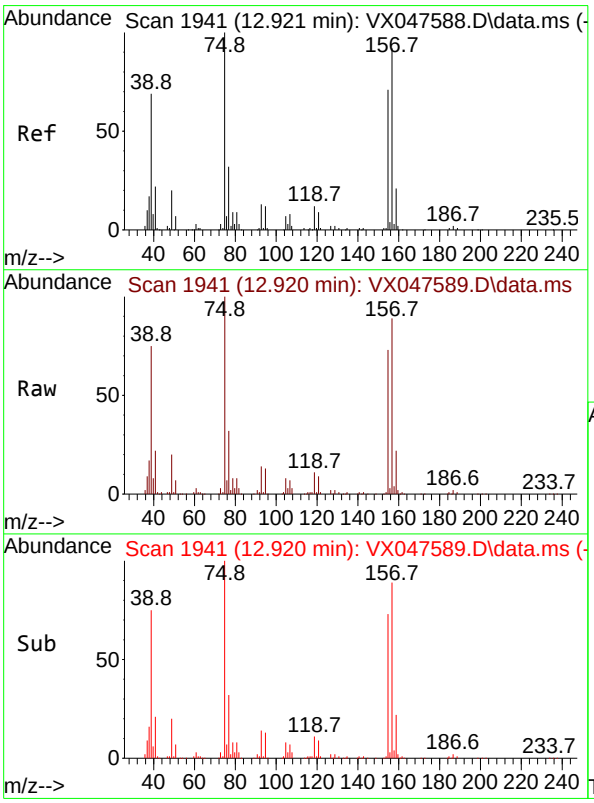
#91
1,2-Dichlorobenzene
Concen: 102.352 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 414491

Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.2	66.6
148	63.4	31.8	95.4

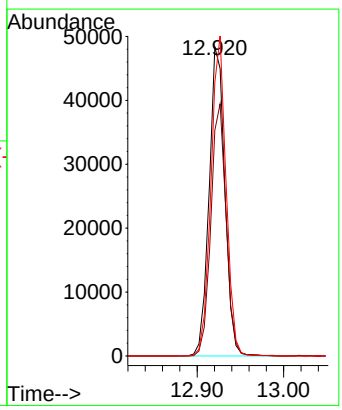


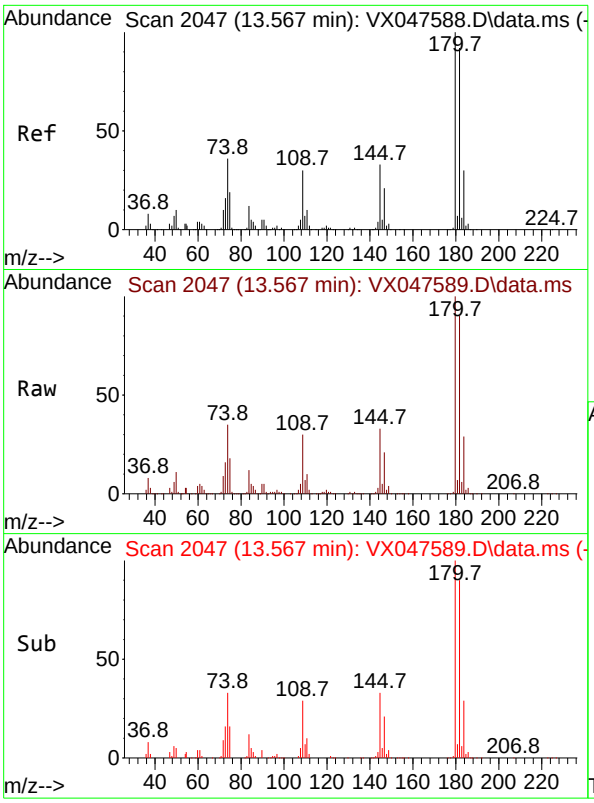


#92
1,2-Dibromo-3-Chloropropane
Concen: 107.225 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 61029

Ion	Ratio	Lower	Upper
75	100		
155	79.0	37.7	113.1
157	99.2	49.8	149.4



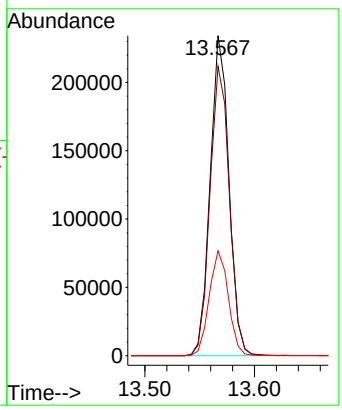


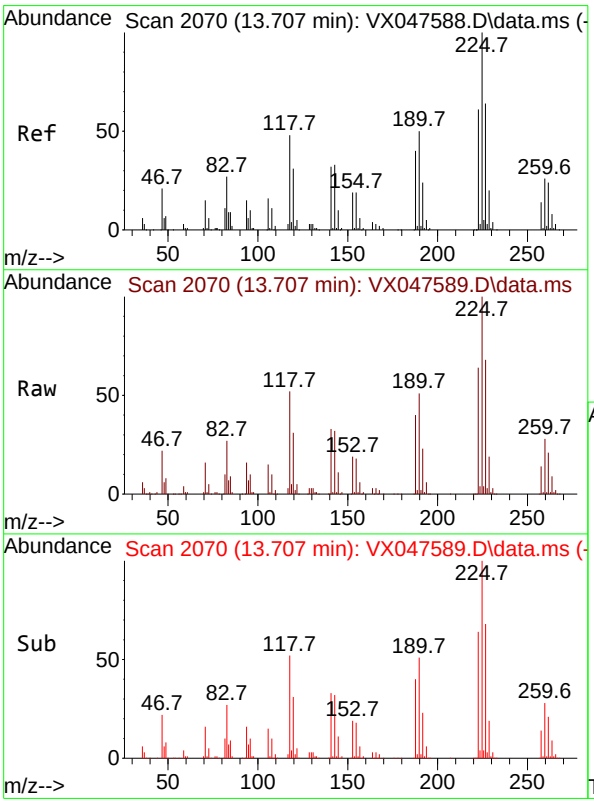
#93
1,2,4-Trichlorobenzene
Concen: 105.922 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 278777

Ion	Ratio	Lower	Upper
180	100		
182	93.2	46.6	139.8
145	33.3	16.4	49.1

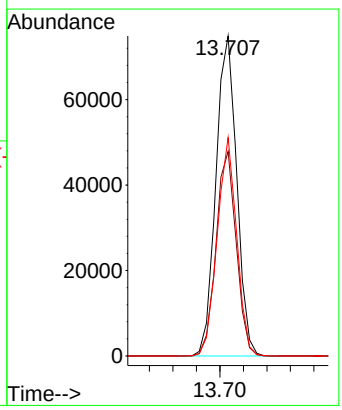


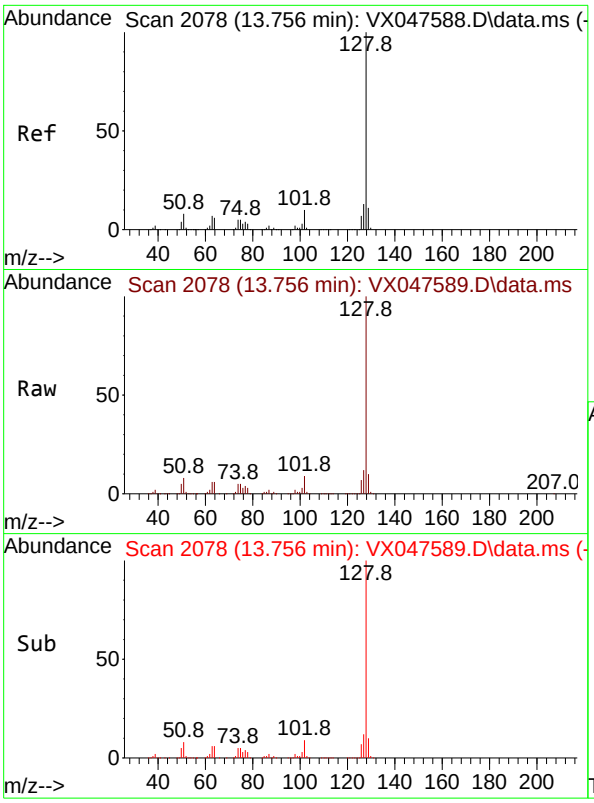


#94
Hexachlorobutadiene
Concen: 103.049 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:225 Resp: 92124

Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.7	95.1
227	63.8	32.0	96.0



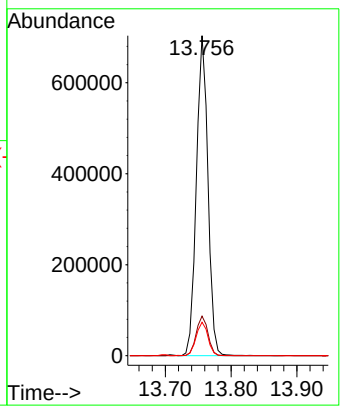


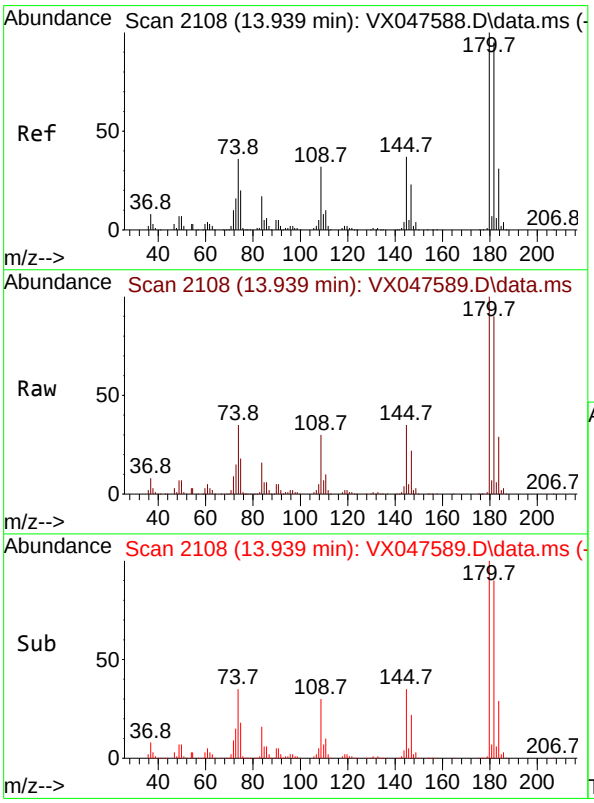
#95
Naphthalene
Concen: 106.620 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 854492

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.8	8.8	13.2

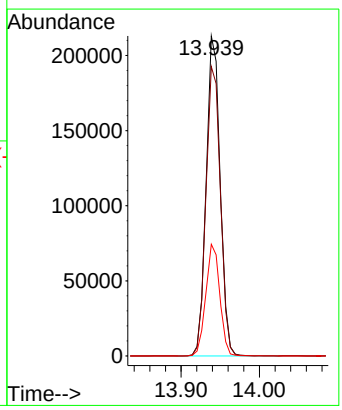




#96
1,2,3-Trichlorobenzene
Concen: 107.633 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:180 Resp: 263512

Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.6	142.8
145	35.0	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Sep 22 01:52:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	153177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	274804	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	241818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	114743	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	396627	162.673	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 325.340%#			
35) Dibromofluoromethane	5.373	113	303728	164.802	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 329.600%#			
50) Toluene-d8	8.635	98	1041079	163.253	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 326.500%#			
62) 4-Bromofluorobenzene	11.067	95	399386	165.020	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 330.040%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	226166	142.586	ug/l	99
3) Chloromethane	1.301	50	297259	142.593	ug/l	99
4) Vinyl Chloride	1.380	62	302303	148.140	ug/l	98
5) Bromomethane	1.605	94	147541	114.019	ug/l	98
6) Chloroethane	1.691	64	195927	143.652	ug/l	99
7) Trichlorofluoromethane	1.892	101	453116	149.545	ug/l	99
8) Diethyl Ether	2.136	74	188006	151.684	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	267995	151.264	ug/l	99
10) Methyl Iodide	2.453	142	407242	147.384	ug/l	99
11) Tert butyl alcohol	2.959	59	215927	795.166	ug/l	100
12) 1,1-Dichloroethene	2.325	96	273692	150.388	ug/l	97
13) Acrolein	2.239	56	223763	894.203	ug/l	98
14) Allyl chloride	2.666	41	554779	147.727	ug/l	99
15) Acrylonitrile	3.063	53	790790	786.201	ug/l	99
16) Acetone	2.380	43	686119	647.201	ug/l	98
17) Carbon Disulfide	2.514	76	714503	143.412	ug/l	99
18) Methyl Acetate	2.703	43	404736	171.548	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	1015295	152.826	ug/l	100
20) Methylene Chloride	2.788	84	324032	144.398	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	291616	148.833	ug/l	98
22) Diisopropyl ether	3.757	45	1095726	150.551	ug/l	97
23) Vinyl Acetate	3.715	43	4504849	773.364	ug/l	100
24) 1,1-Dichloroethane	3.605	63	587129	151.776	ug/l	98
25) 2-Butanone	4.544	43	973938	736.502	ug/l	99
26) 2,2-Dichloropropane	4.471	77	486890	151.414	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	366262	152.638	ug/l	99
28) Bromochloromethane	4.885	49	289548	171.451	ug/l	99
29) Tetrahydrofuran	4.989	42	616374	774.811	ug/l	100
30) Chloroform	5.080	83	591709	151.367	ug/l	99
31) Cyclohexane	5.458	56	456119	141.570	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	506654	152.802	ug/l	99
36) 1,1-Dichloropropene	5.684	75	386601	143.556	ug/l	99
37) Ethyl Acetate	4.702	43	444461	154.141	ug/l	99
38) Carbon Tetrachloride	5.666	117	427263	146.021	ug/l	98
39) Methylcyclohexane	7.367	83	456694	149.395	ug/l	98
40) Benzene	6.025	78	1202846	147.057	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Sep 22 01:52:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	223218	149.951	ug/l	99
42) 1,2-Dichloroethane	6.074	62	455978	146.515	ug/l	99
43) Isopropyl Acetate	6.324	43	724888	153.283	ug/l	99
44) Trichloroethene	7.111	130	299673	151.542	ug/l	96
45) 1,2-Dichloropropane	7.415	63	316720	151.219	ug/l	99
46) Dibromomethane	7.568	93	228550	149.954	ug/l	97
47) Bromodichloromethane	7.806	83	483438	153.710	ug/l	98
48) Methyl methacrylate	7.678	41	367931	156.194	ug/l	99
49) 1,4-Dioxane	7.647	88	82739	3475.565	ug/l	98
51) 4-Methyl-2-Pentanone	8.562	43	2008063	765.849	ug/l	100
52) Toluene	8.702	92	739332	146.712	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	503912	157.076	ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	530566	154.732	ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	289103	148.781	ug/l	99
56) Ethyl methacrylate	9.104	69	490623	160.773	ug/l	97
57) 1,3-Dichloropropane	9.293	76	502121	150.426	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.232	63	1202206	749.661	ug/l	99
59) 2-Hexanone	9.415	43	1412417	750.035	ug/l	99
60) Dibromochloromethane	9.506	129	347748	155.318	ug/l	98
61) 1,2-Dibromoethane	9.592	107	302715	152.949	ug/l	99
64) Tetrachloroethene	9.263	164	227931	144.590	ug/l	98
65) Chlorobenzene	10.061	112	828239	150.763	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	291433	153.733	ug/l	98
67) Ethyl Benzene	10.177	91	1431554	151.026	ug/l	99
68) m/p-Xylenes	10.287	106	1059776	300.381	ug/l	99
69) o-Xylene	10.628	106	521840	152.920	ug/l	99
70) Styrene	10.640	104	917532	153.449	ug/l	99
71) Bromoform	10.781	173	229683	162.262	ug/l	99
73) Isopropylbenzene	10.945	105	1321409	151.477	ug/l	99
74) N-amyl acetate	10.829	43	636879	160.099	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	403906	153.035	ug/l	99
76) 1,2,3-Trichloropropane	11.226	75	470623	202.576	ug/l	89
77) Bromobenzene	11.183	156	328336	152.818	ug/l	99
78) n-propylbenzene	11.287	91	1550316	150.337	ug/l	99
79) 2-Chlorotoluene	11.348	91	939707	148.781	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	1091593	152.306	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	145921	160.176	ug/l	97
82) 4-Chlorotoluene	11.439	91	1127233	151.112	ug/l	100
83) tert-Butylbenzene	11.701	119	1106532	150.819	ug/l	99
84) 1,2,4-Trimethylbenzene	11.738	105	1106914	152.336	ug/l	100
85) sec-Butylbenzene	11.872	105	1319819	151.448	ug/l	99
86) p-Isopropyltoluene	11.994	119	1103210	149.530	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	605123	151.633	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	613617	149.814	ug/l	99
89) n-Butylbenzene	12.317	91	1032357	151.222	ug/l	100
90) Hexachloroethane	12.518	117	211472	163.258	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	582565	153.227	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	89415	167.332	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	387652	156.884	ug/l	98
94) Hexachlorobutadiene	13.707	225	121791	145.110	ug/l	99
95) Naphthalene	13.756	128	1229363	163.388	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	369382	160.704	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Sep 22 01:52:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

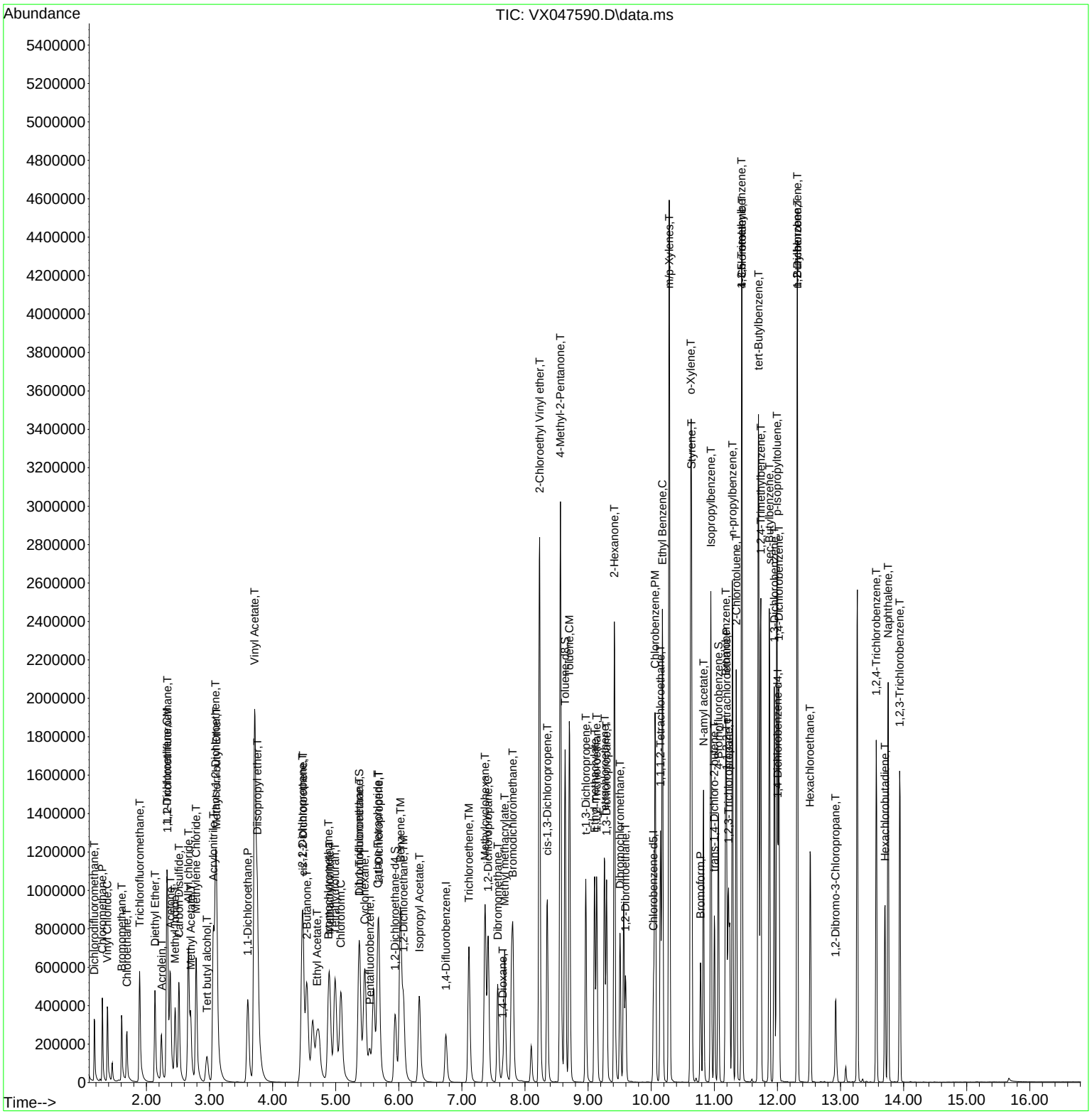
(#) = qualifier out of range (m) = manual integration (+) = signals summed

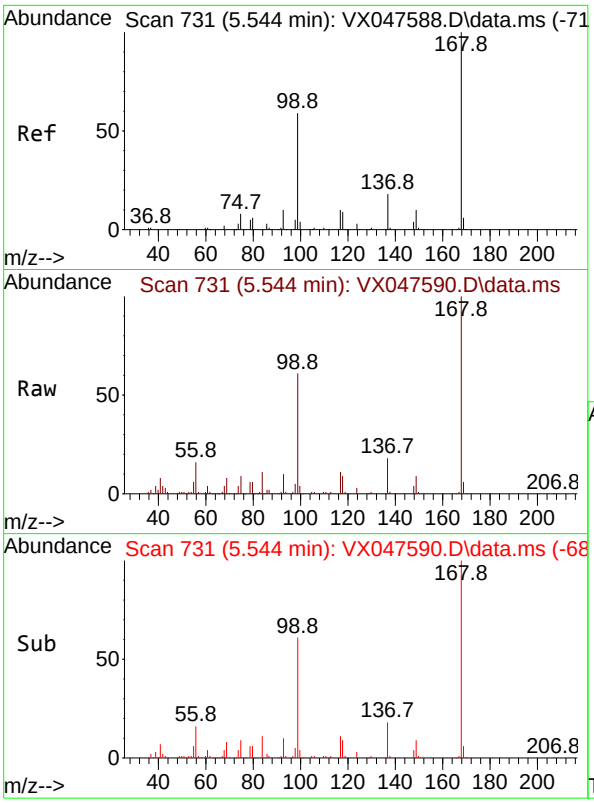
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Sep 22 01:52:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



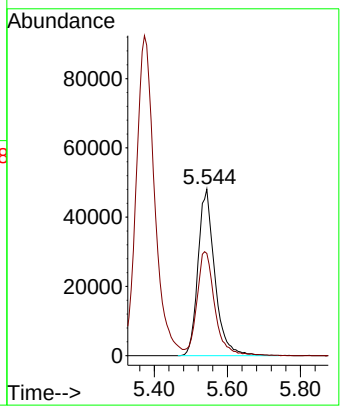


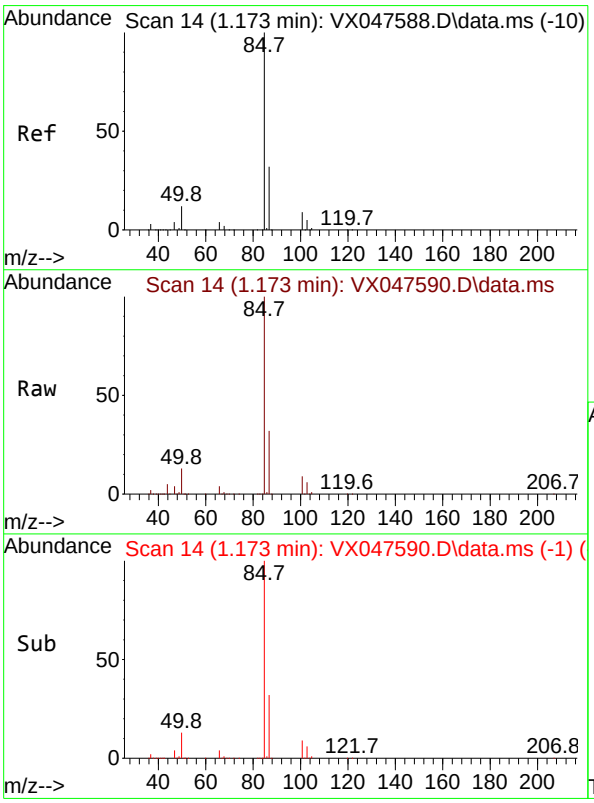
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 153177

Ion	Ratio	Lower	Upper
168	100		
99	61.1	48.8	73.2

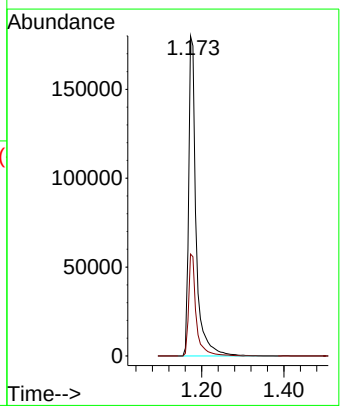


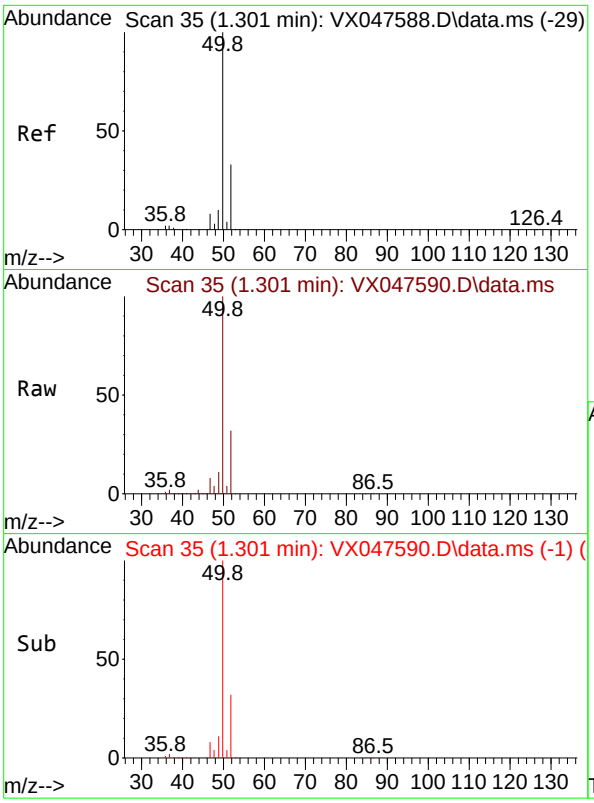


#2
Dichlorodifluoromethane
Concen: 142.586 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 85 Resp: 226166

Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.8	47.3



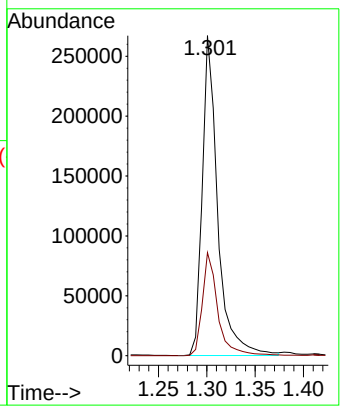


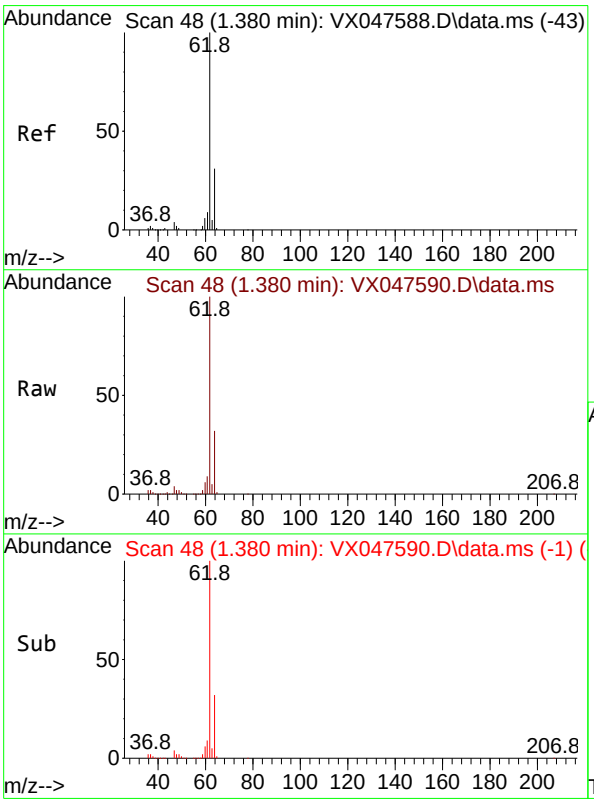
#3
Chloromethane
Concen: 142.593 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 297259

Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.1	39.1

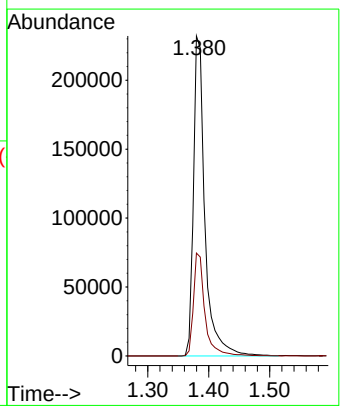


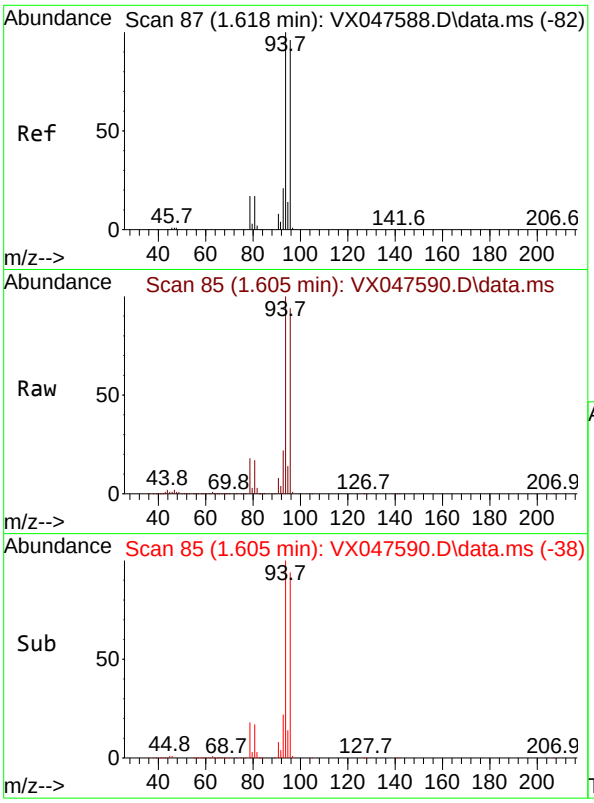


#4
Vinyl Chloride
Concen: 148.140 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 62 Resp: 302303

Ion	Ratio	Lower	Upper
62	100		
64	32.1	24.9	37.3



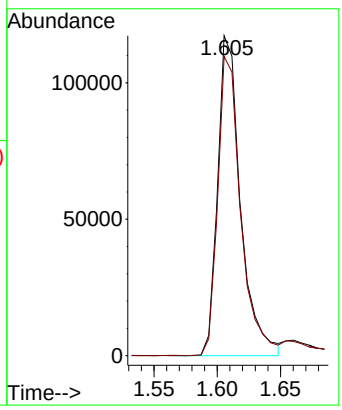


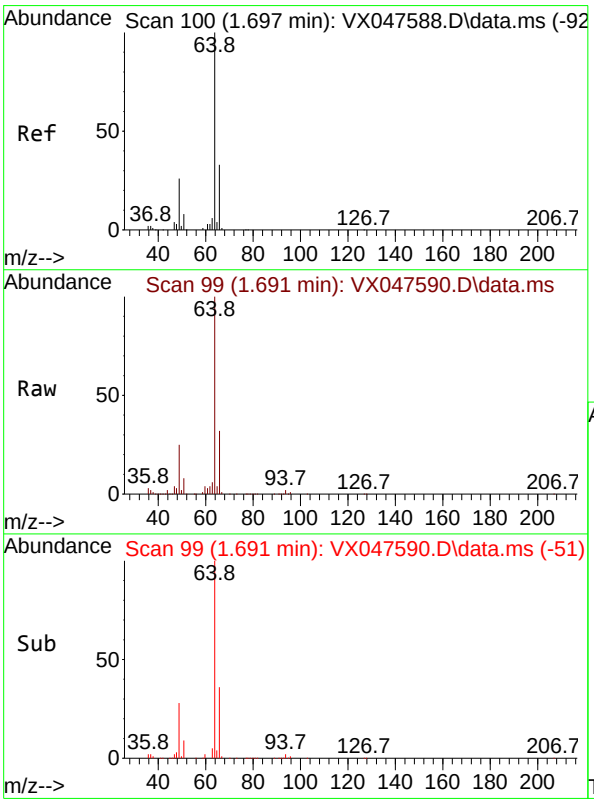
#5
Bromomethane
Concen: 114.019 ug/l
RT: 1.605 min Scan# 8
Delta R.T. -0.012 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 147541

Ion	Ratio	Lower	Upper
94	100		
96	93.4	76.6	115.0

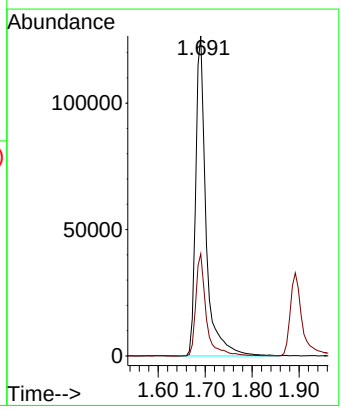


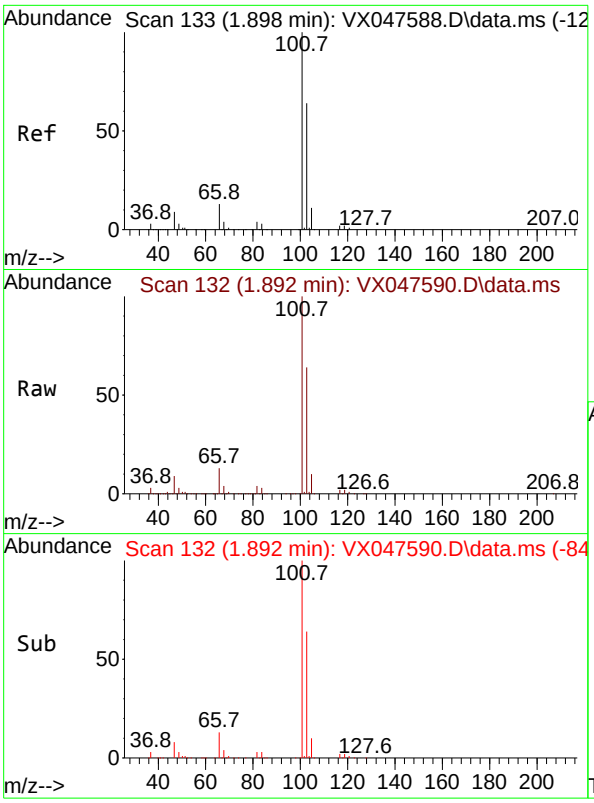


#6
Chloroethane
Concen: 143.652 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 64 Resp: 195927

Ion	Ratio	Lower	Upper
64	100		
66	31.9	26.1	39.1



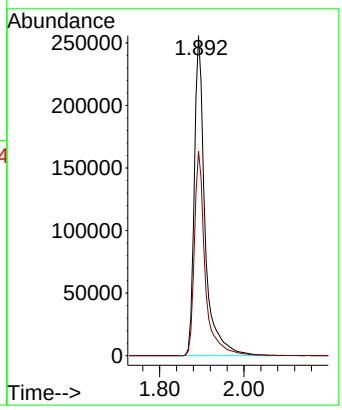


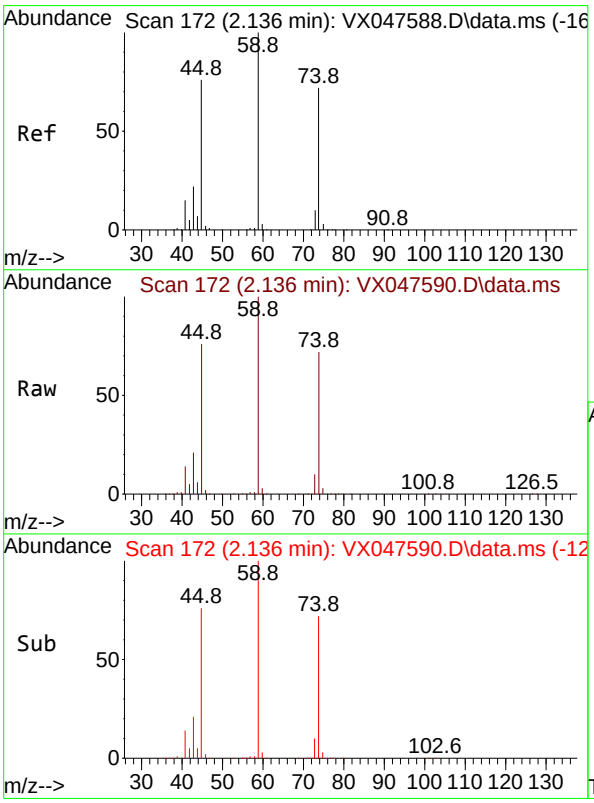
#7
Trichlorofluoromethane
Concen: 149.545 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 453116

Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.4	77.2

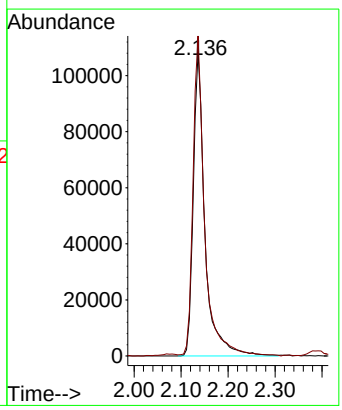


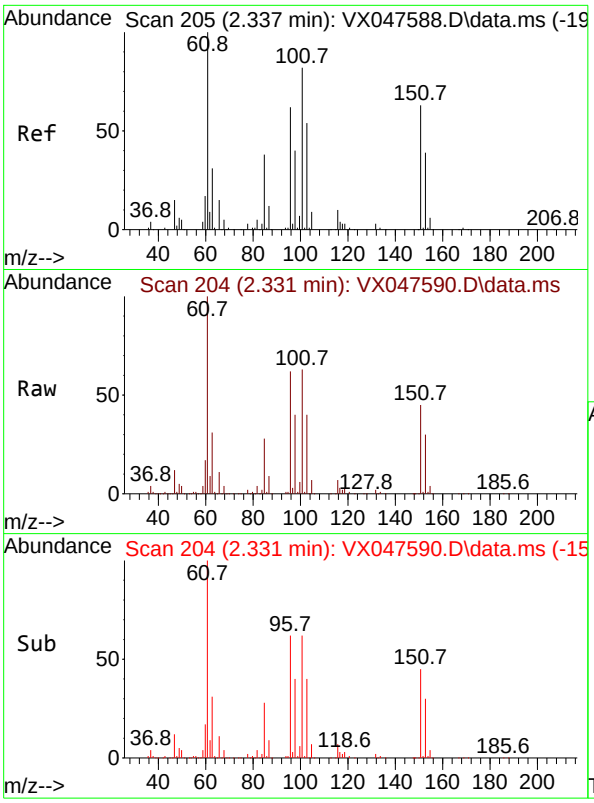


#8
Diethyl Ether
Concen: 151.684 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 74 Resp: 188006

Ion	Ratio	Lower	Upper
74	100		
45	105.5	52.3	156.8



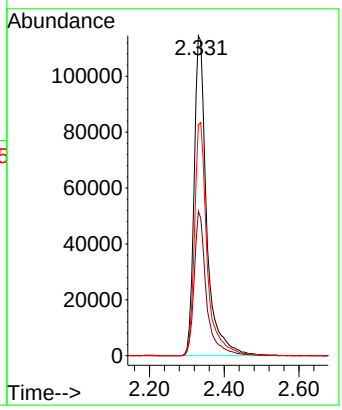


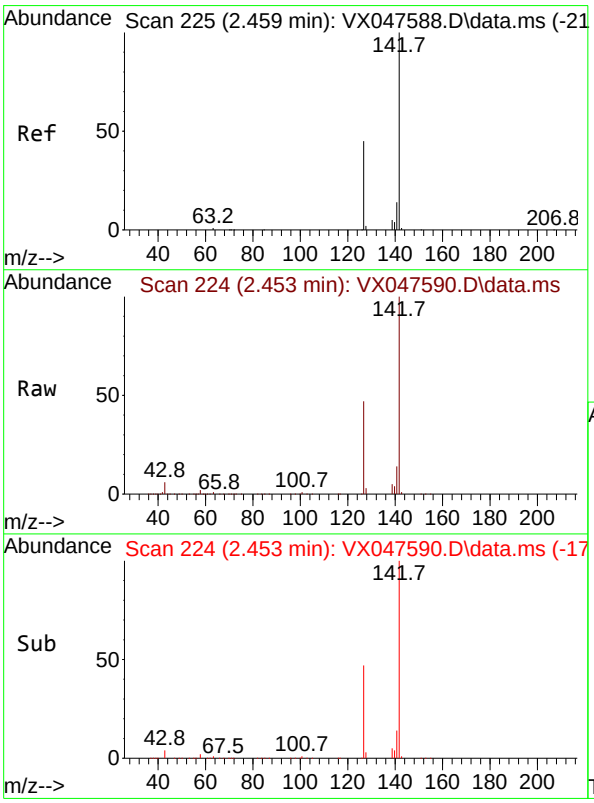
#9
1,1,2-Trichlorotrifluoroethane
Concen: 151.264 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 267995

Ion	Ratio	Lower	Upper
101	100		
85	43.9	35.5	53.3
151	73.2	59.4	89.0

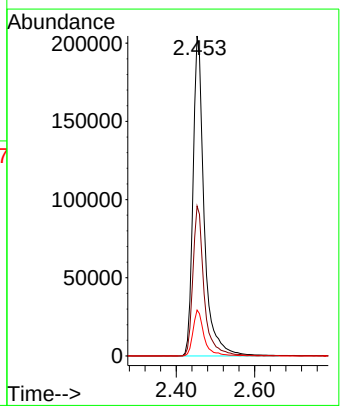


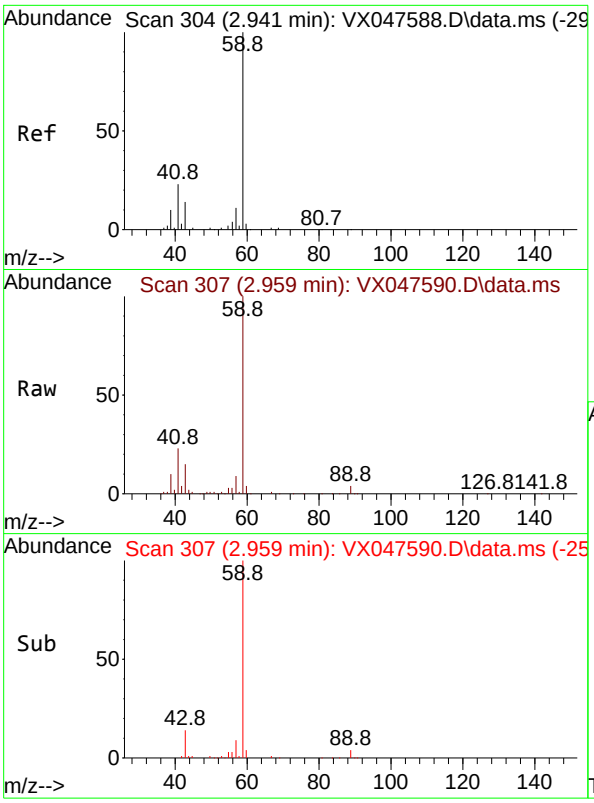


#10
Methyl Iodide
Concen: 147.384 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:142 Resp: 407242

Ion	Ratio	Lower	Upper
142	100		
127	47.3	37.2	55.8
141	14.3	11.4	17.0



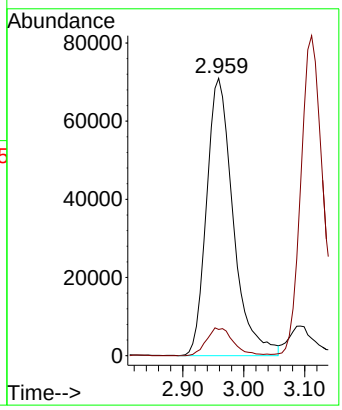


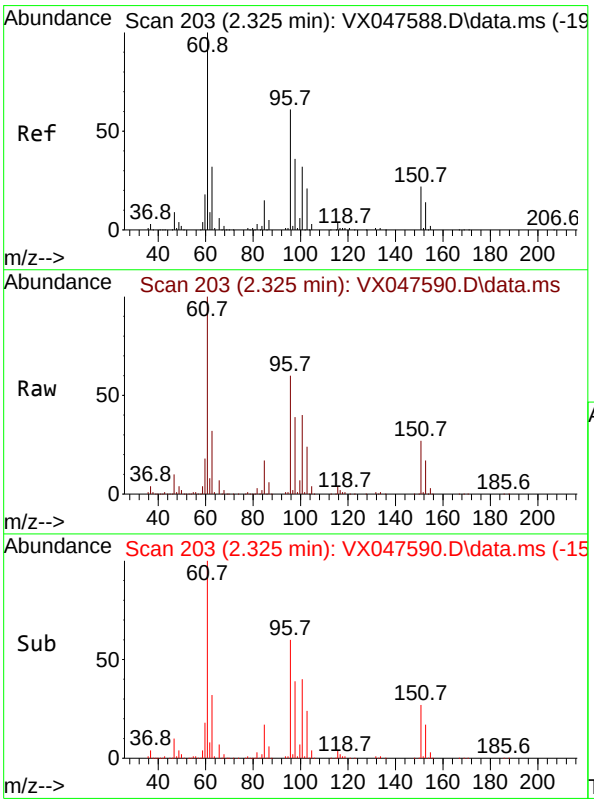
#11
Tert butyl alcohol
Concen: 795.166 ug/l
RT: 2.959 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 215927

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5

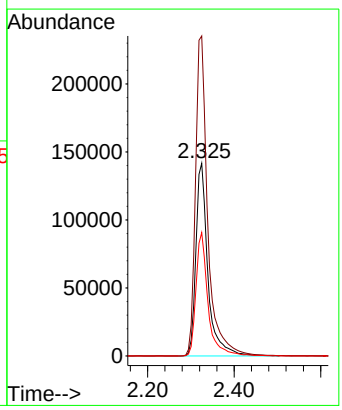


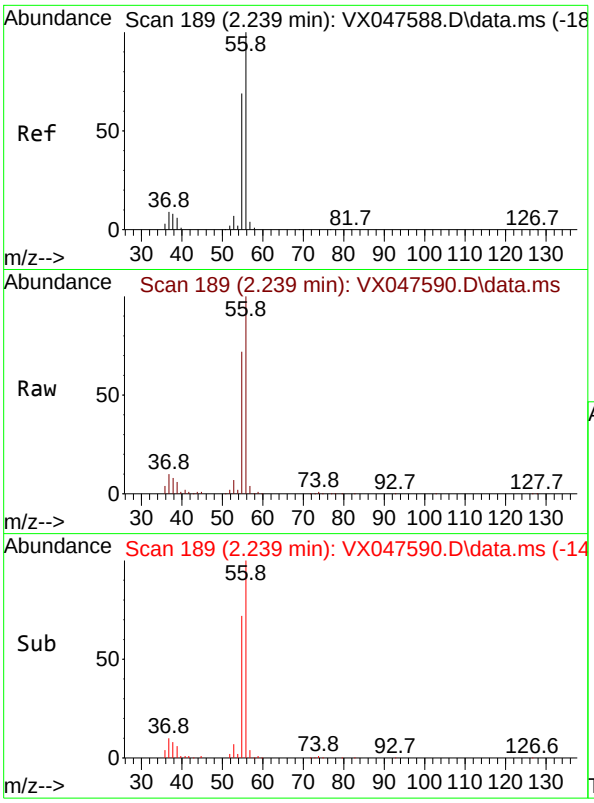


#12
1,1-Dichloroethene
Concen: 150.388 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 96 Resp: 273692

Ion	Ratio	Lower	Upper
96	100		
61	166.1	131.0	196.6
98	64.0	47.7	71.5



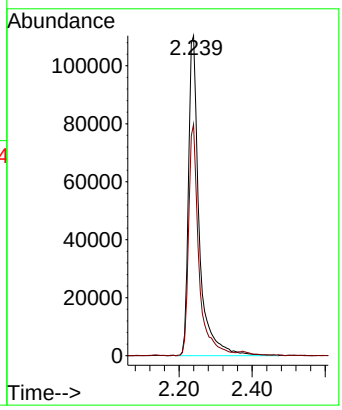


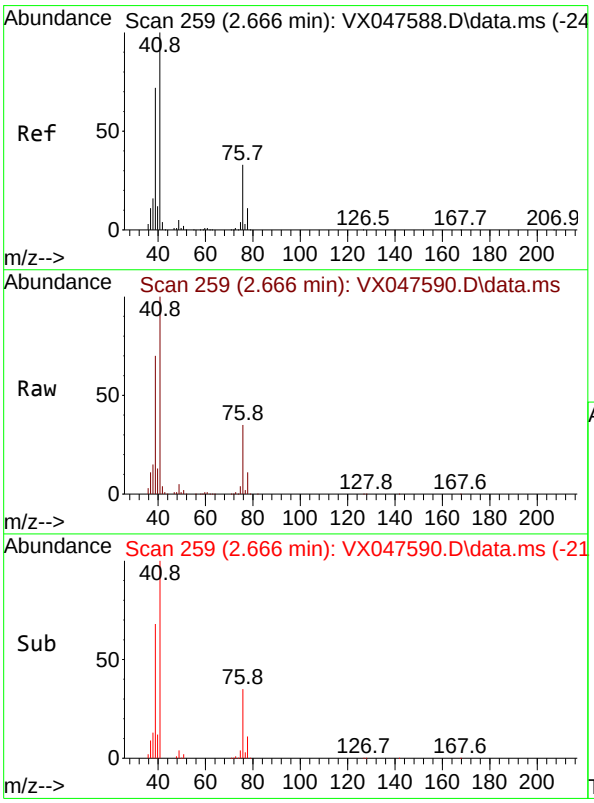
#13
Acrolein
Concen: 894.203 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 223763

Ion	Ratio	Lower	Upper
56	100		
55	69.6	57.2	85.8

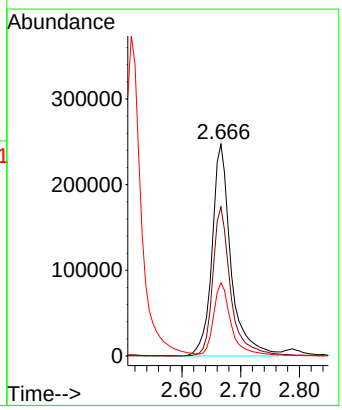


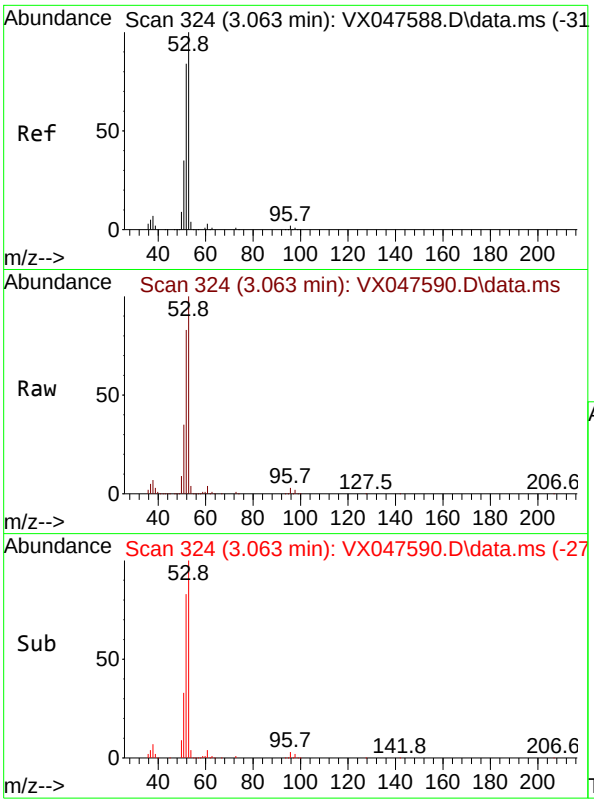


#14
Allyl chloride
Concen: 147.727 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 41 Resp: 554779

Ion	Ratio	Lower	Upper
41	100		
39	67.3	54.7	82.1
76	32.4	25.7	38.5



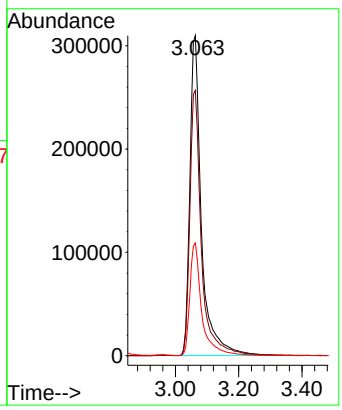


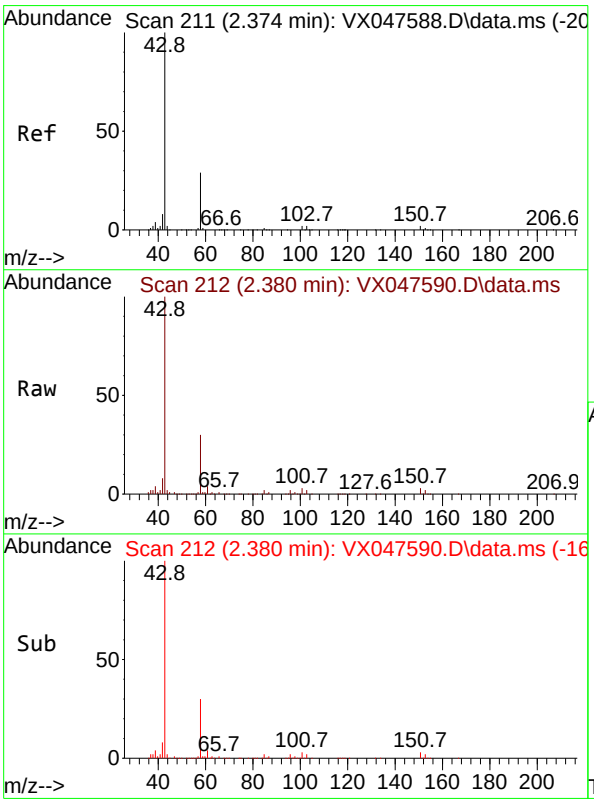
#15
Acrylonitrile
Concen: 786.201 ug/l
RT: 3.063 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 53 Resp: 790790

Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.4	99.6
51	36.1	29.5	44.3

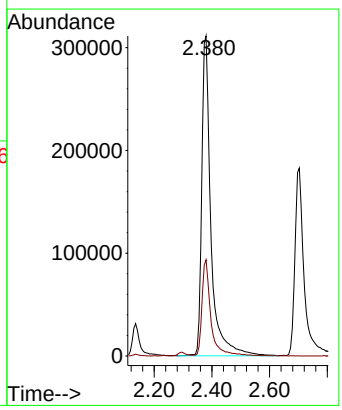


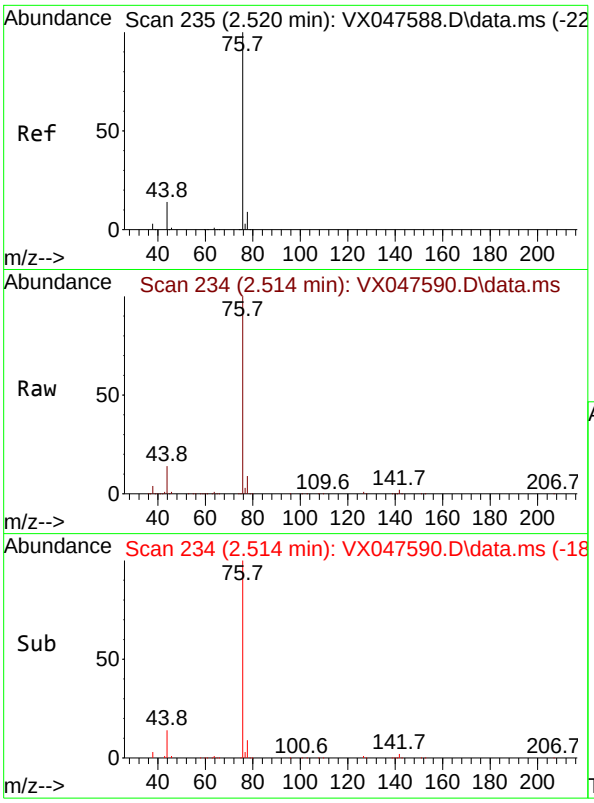


#16
Acetone
Concen: 647.201 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 686119

Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.4	35.0



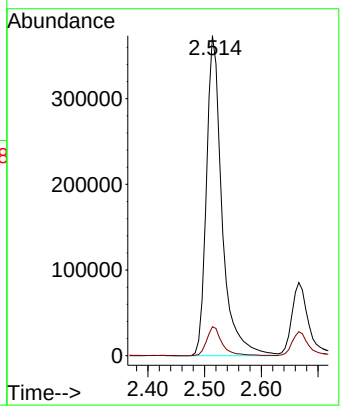


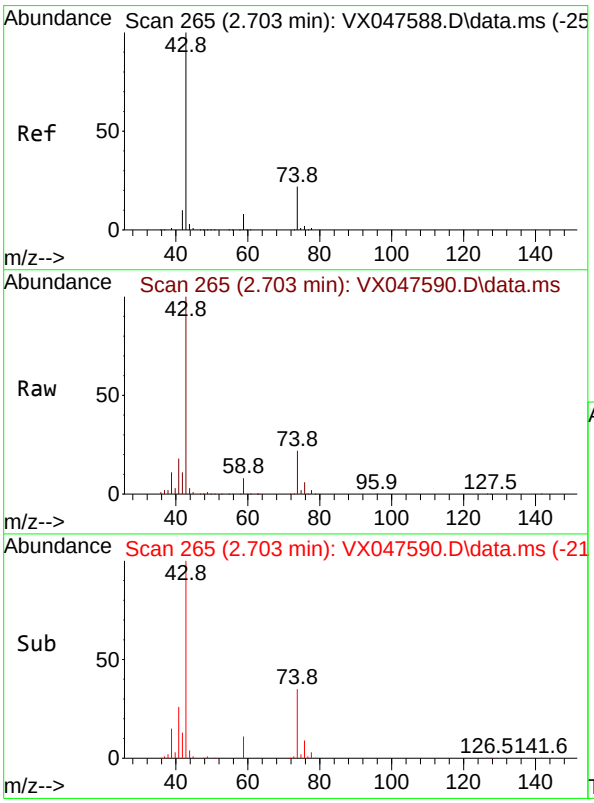
#17
Carbon Disulfide
Concen: 143.412 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 714503

Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.8	10.2

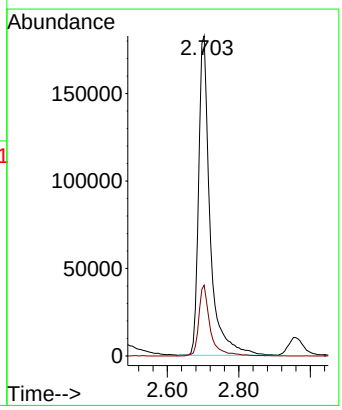


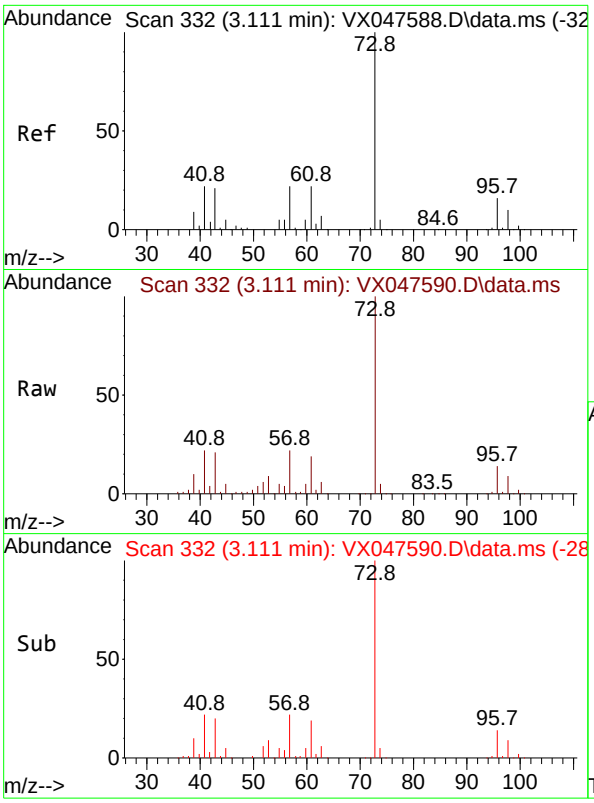


#18
Methyl Acetate
Concen: 171.548 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 404736

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.4	26.2



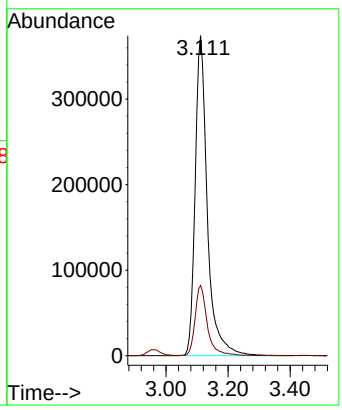


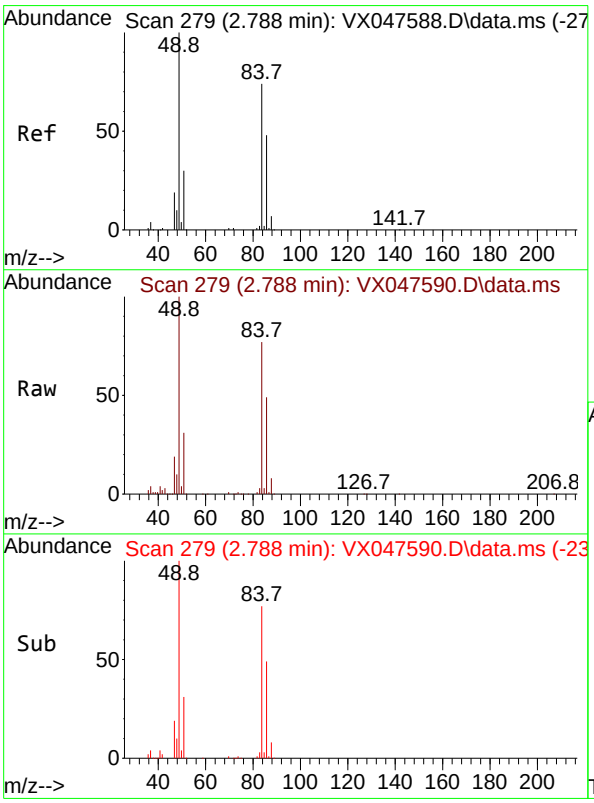
#19
Methyl tert-butyl Ether
Concen: 152.826 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 1015295

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.4	26.2

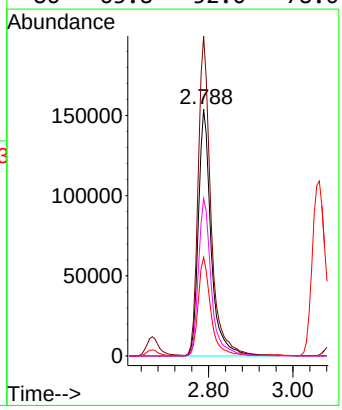


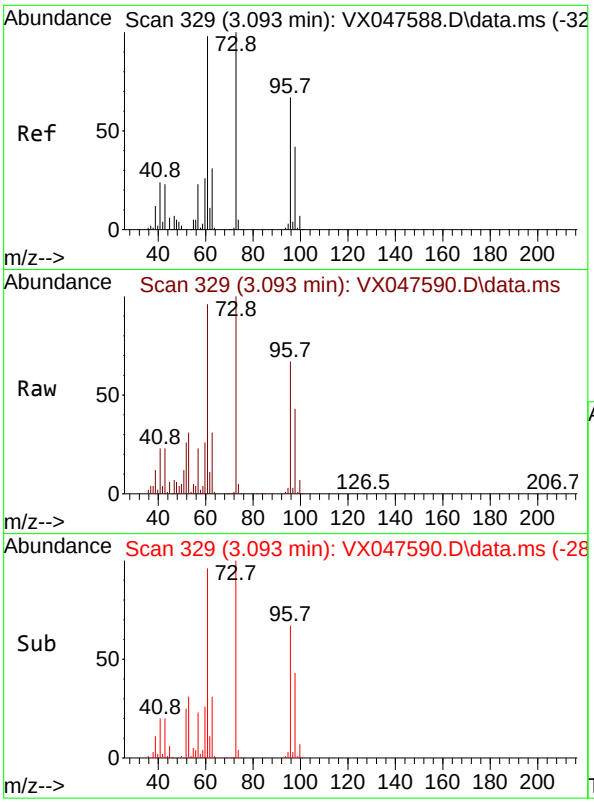


#20
Methylene Chloride
Concen: 144.398 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 84 Resp: 324032

Ion	Ratio	Lower	Upper
84	100		
49	129.4	108.6	162.8
51	39.9	32.6	48.8
86	63.8	52.0	78.0



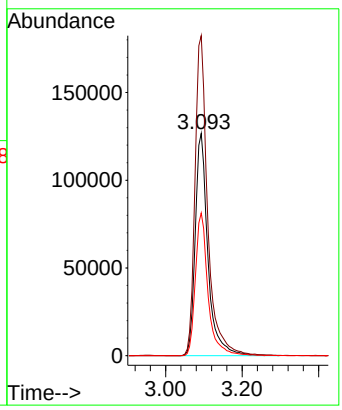


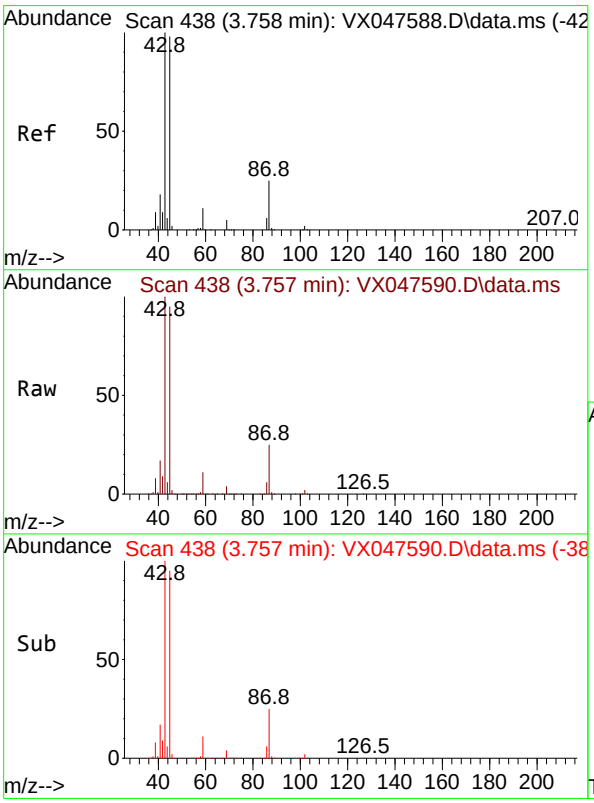
#21
trans-1,2-Dichloroethene
Concen: 148.833 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 291616

Ion	Ratio	Lower	Upper
96	100		
61	144.0	116.2	174.2
98	64.3	49.3	73.9

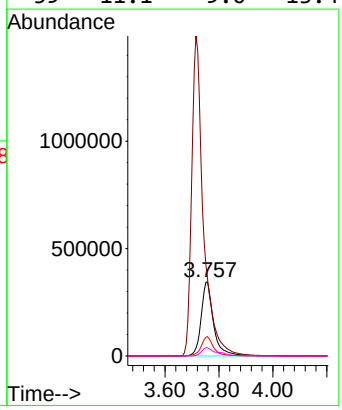


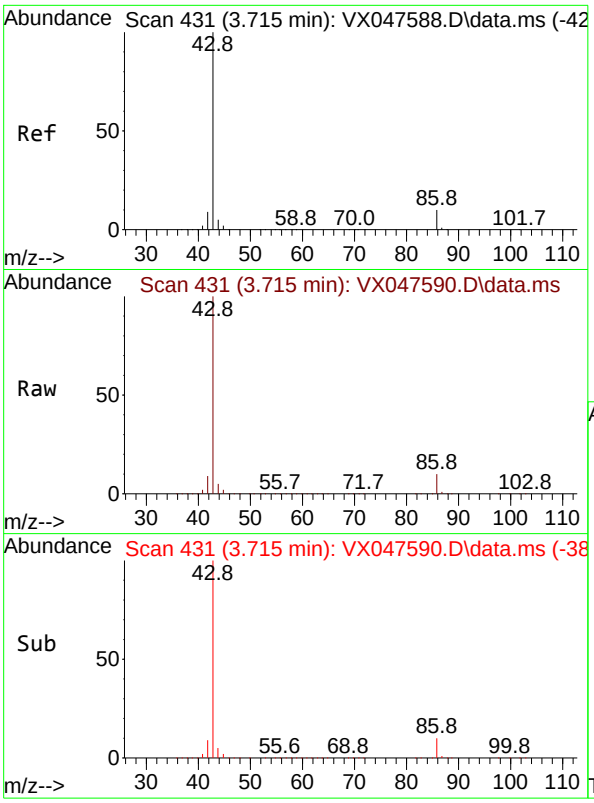


#22
Diisopropyl ether
Concen: 150.551 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 45 Resp: 1095726

Ion	Ratio	Lower	Upper
45	100		
43	104.7	81.0	121.4
87	26.2	20.3	30.5
59	11.1	9.0	13.4



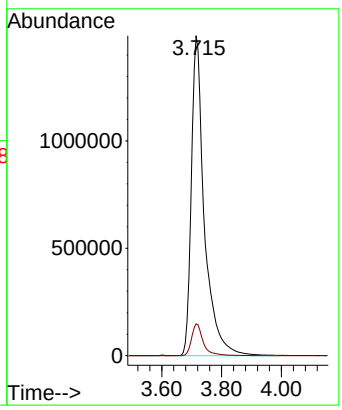


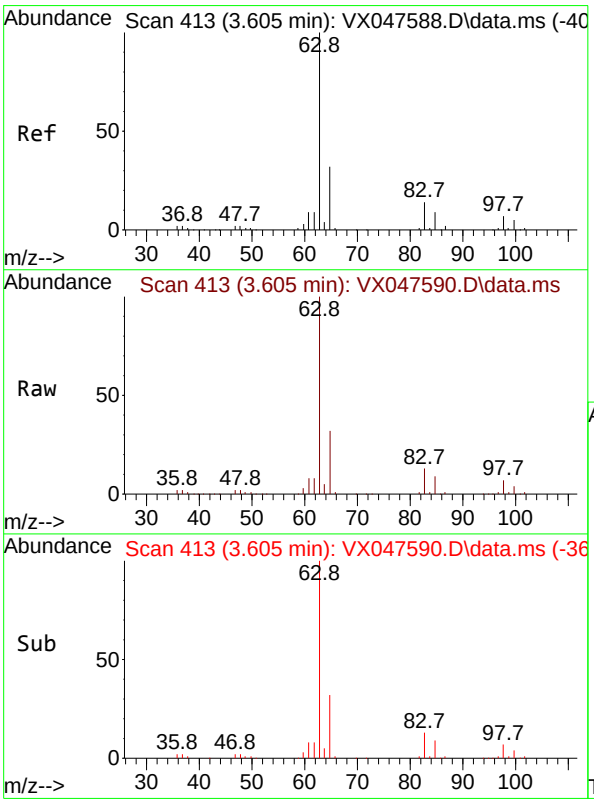
#23
Vinyl Acetate
Concen: 773.364 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 4504849

Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.8	11.8

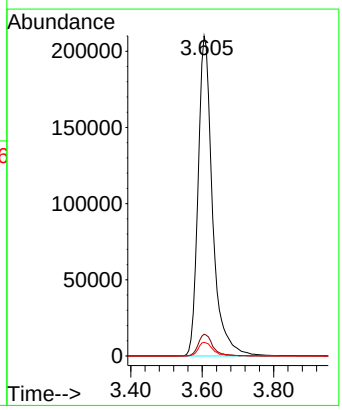


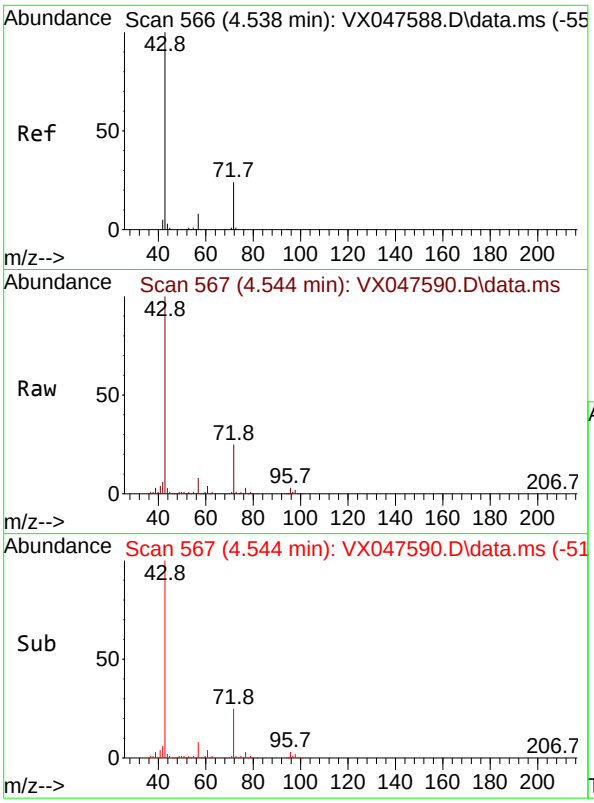


#24
1,1-Dichloroethane
Concen: 151.776 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 63 Resp: 587129

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.8	11.2
100	4.3	2.3	6.9



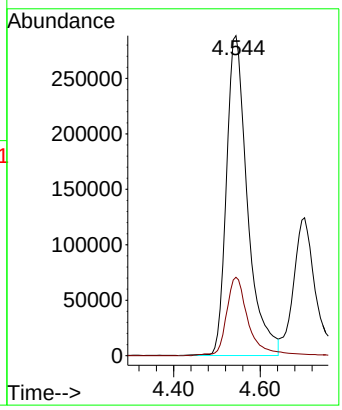


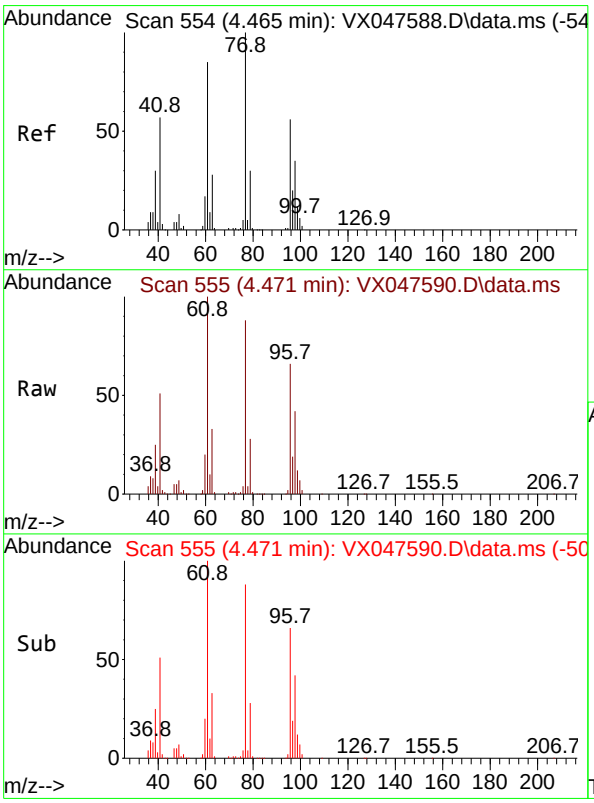
#25
2-Butanone
Concen: 736.502 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 973938

Ion	Ratio	Lower	Upper
43	100		
72	24.6	20.1	30.1

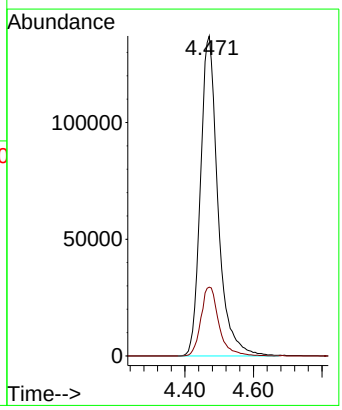


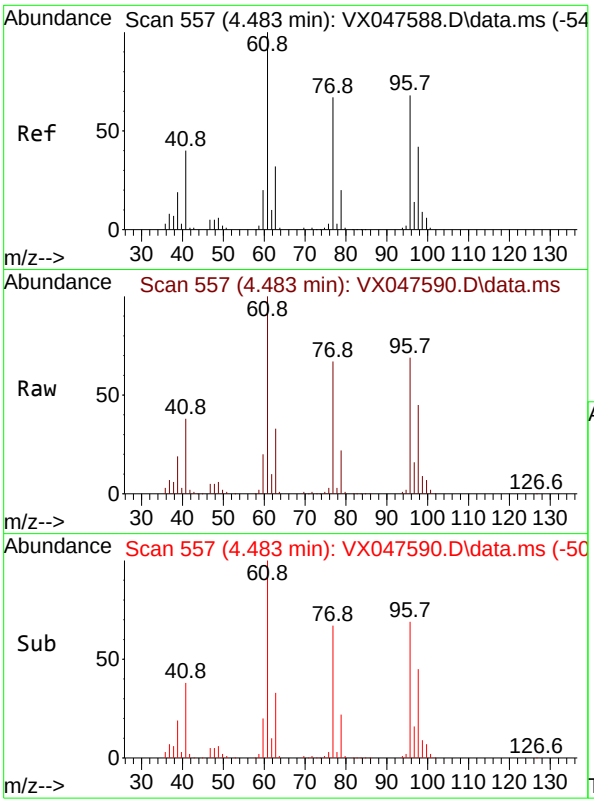


#26
2,2-Dichloropropane
Concen: 151.414 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 77 Resp: 486890

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.9	32.7



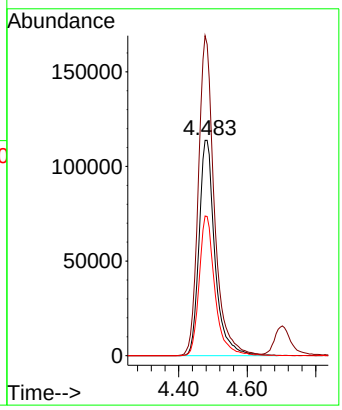


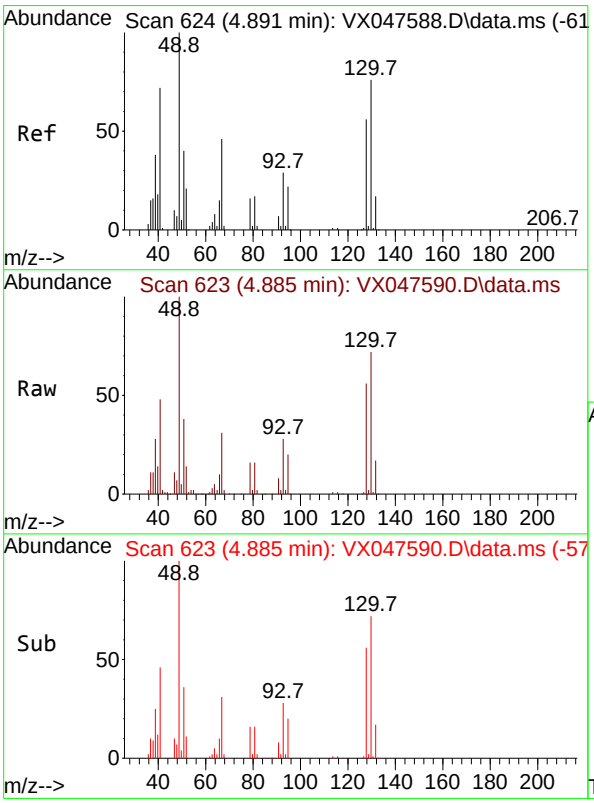
#27
cis-1,2-Dichloroethene
Concen: 152.638 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 366262

Ion	Ratio	Lower	Upper
96	100		
61	149.8	0.0	303.2
98	64.6	0.0	127.8

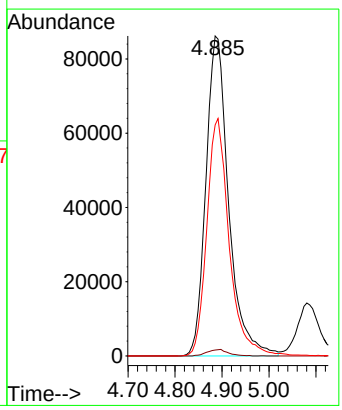


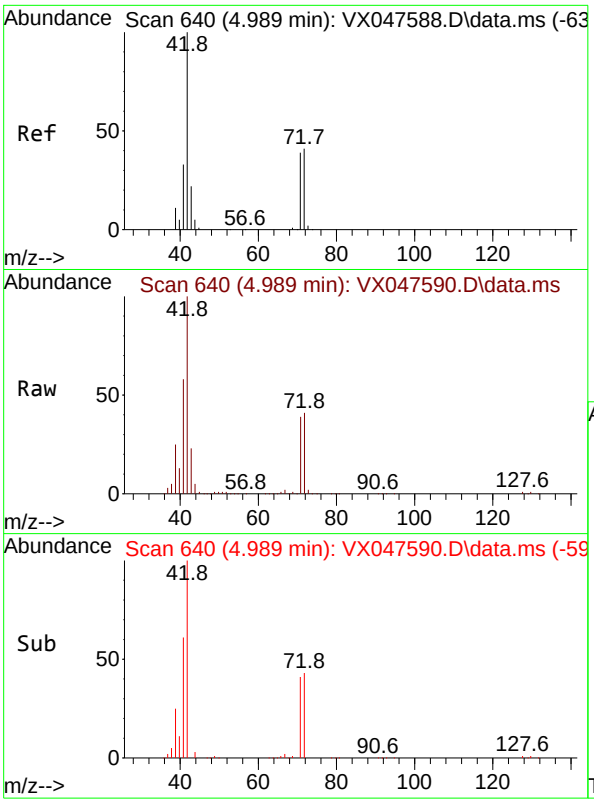


#28
Bromochloromethane
Concen: 171.451 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 49 Resp: 289548

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.2
130	73.2	57.8	86.8



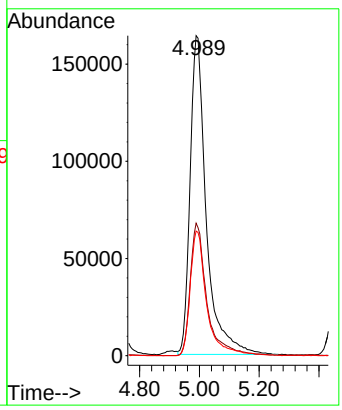


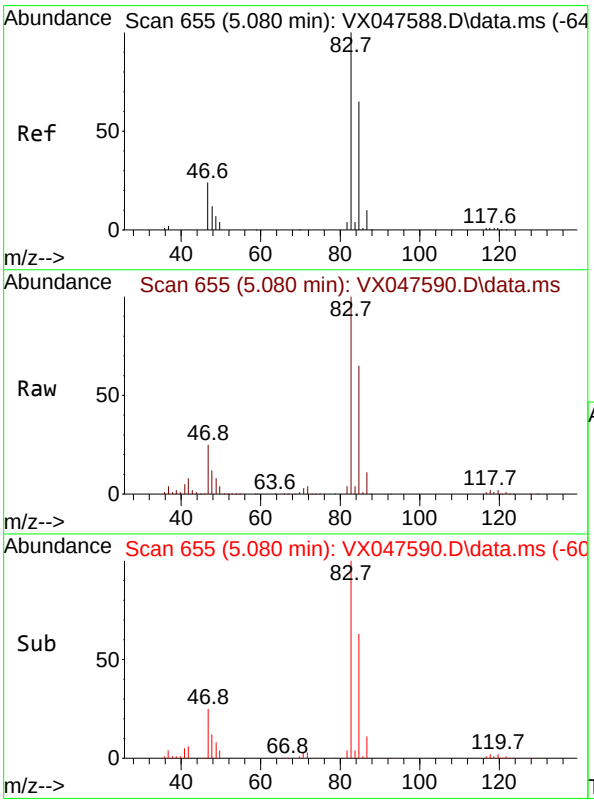
#29
Tetrahydrofuran
Concen: 774.811 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 616374

Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.2	51.2
71	39.9	31.9	47.9

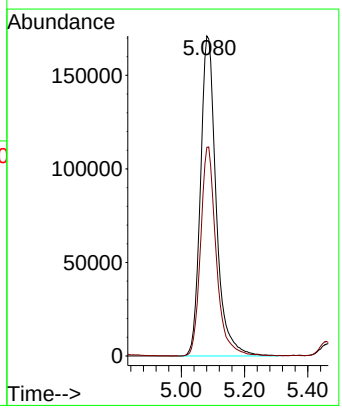


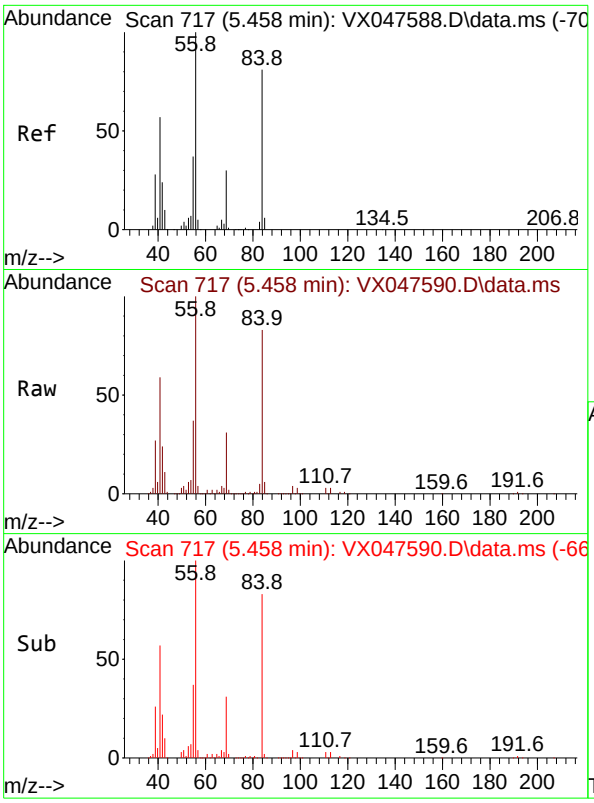


#30
Chloroform
Concen: 151.367 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 83 Resp: 591709

Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.6



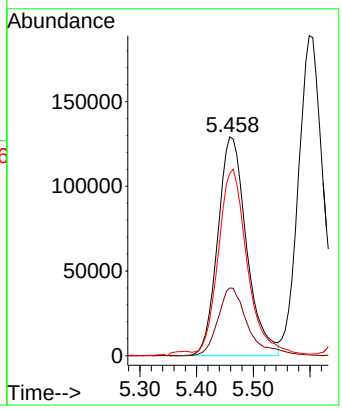


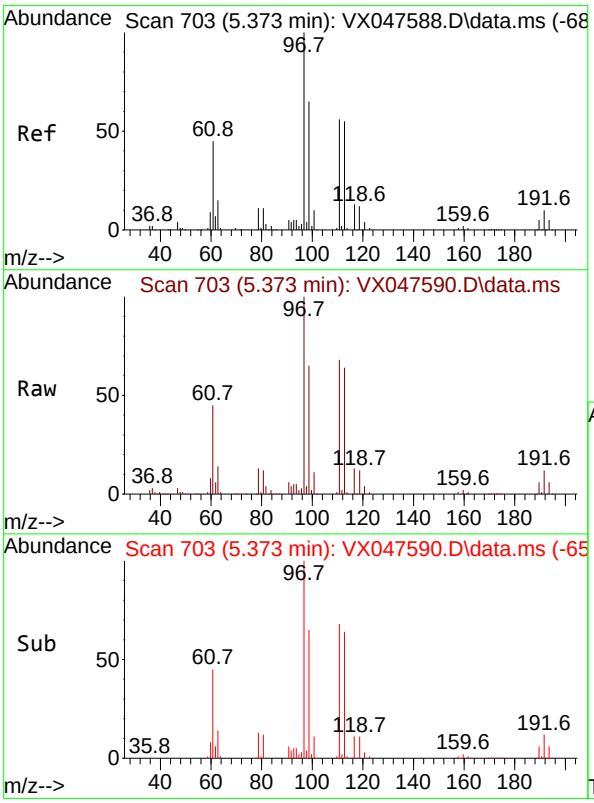
#31
Cyclohexane
Concen: 141.570 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 456119

Ion	Ratio	Lower	Upper
56	100		
69	30.5	23.8	35.8
84	81.5	64.6	97.0

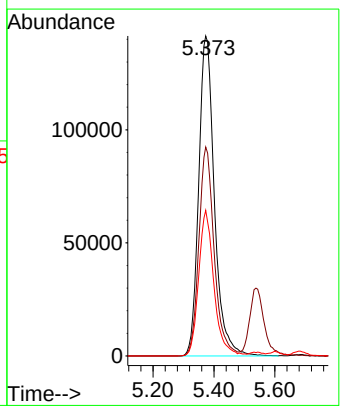


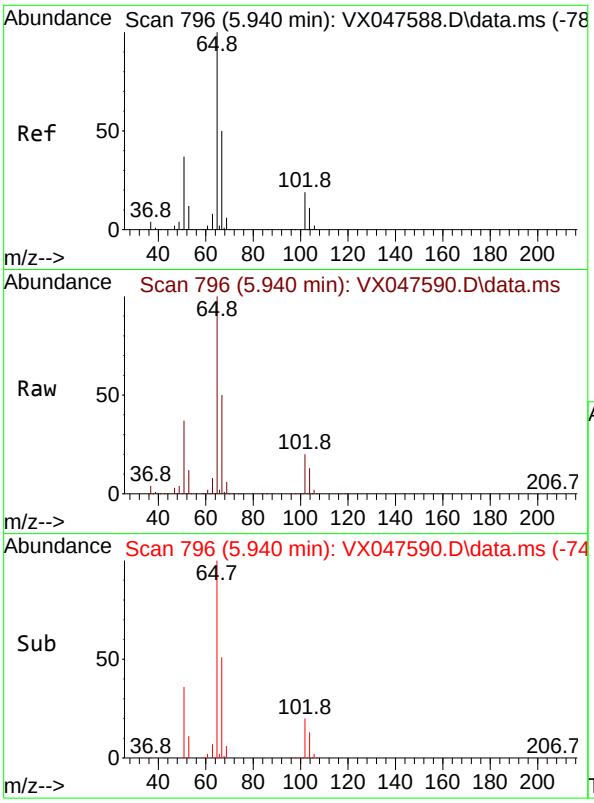


#32
1,1,1-Trichloroethane
Concen: 152.802 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 97 Resp: 506654

Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.6	76.0
61	44.2	35.8	53.8



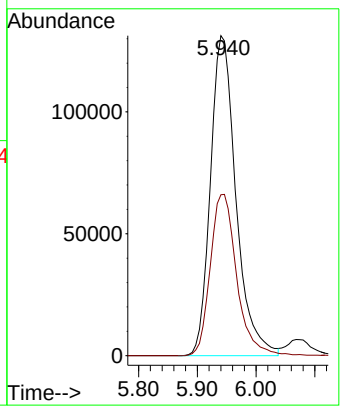


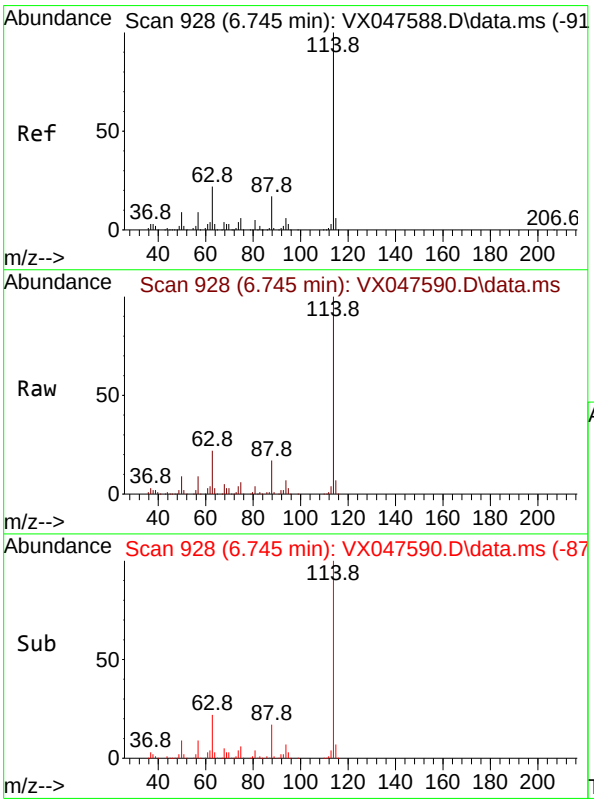
#33
1,2-Dichloroethane-d4
Concen: 162.673 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 396627

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	103.0

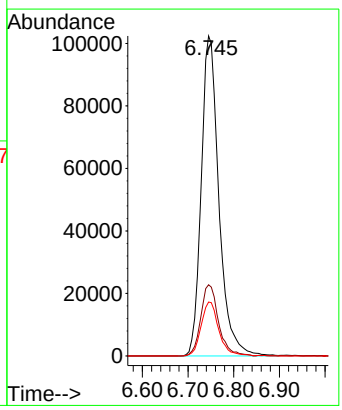


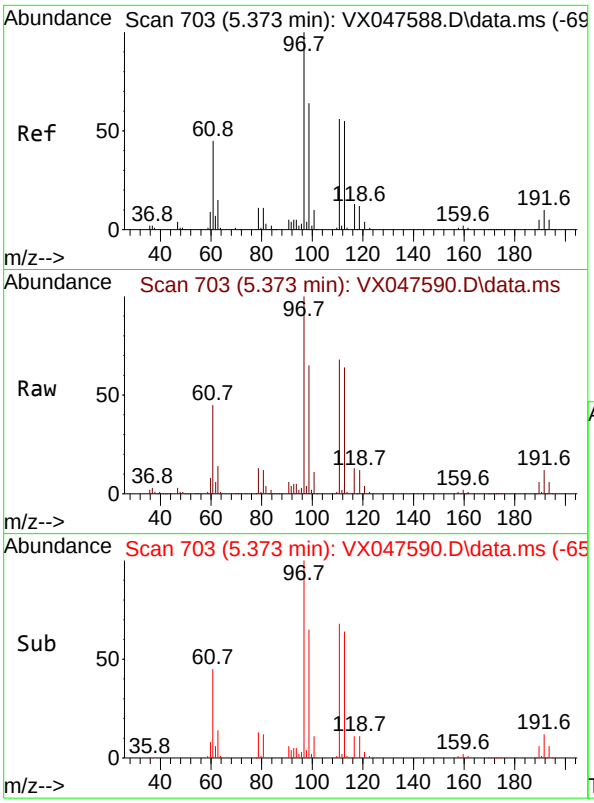


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:114 Resp: 274804

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	16.8	0.0	34.2



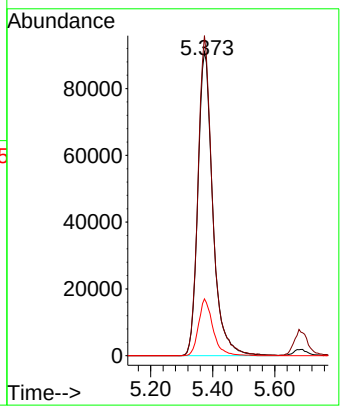


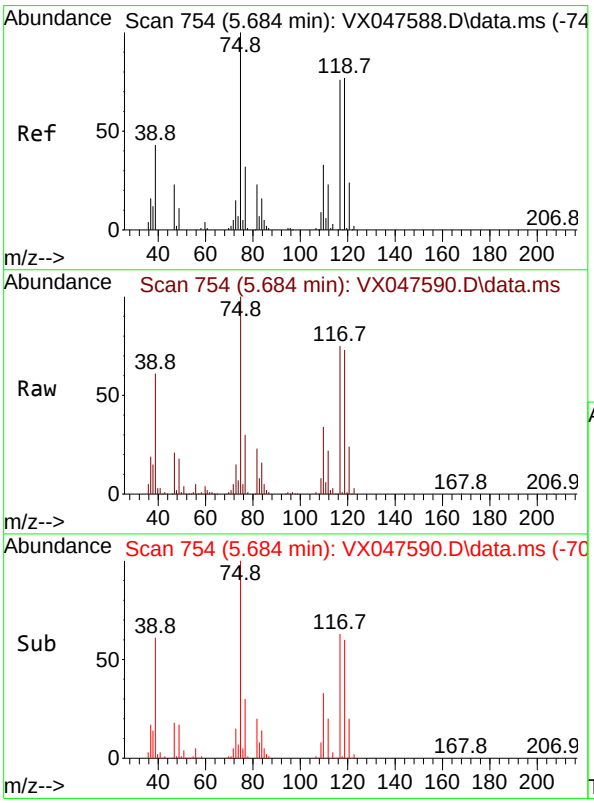
#35
Dibromofluoromethane
Concen: 164.802 ug/l
RT: 5.373 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 303728

Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.9	121.3
192	18.1	14.2	21.4

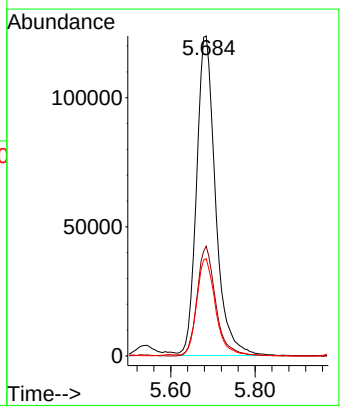


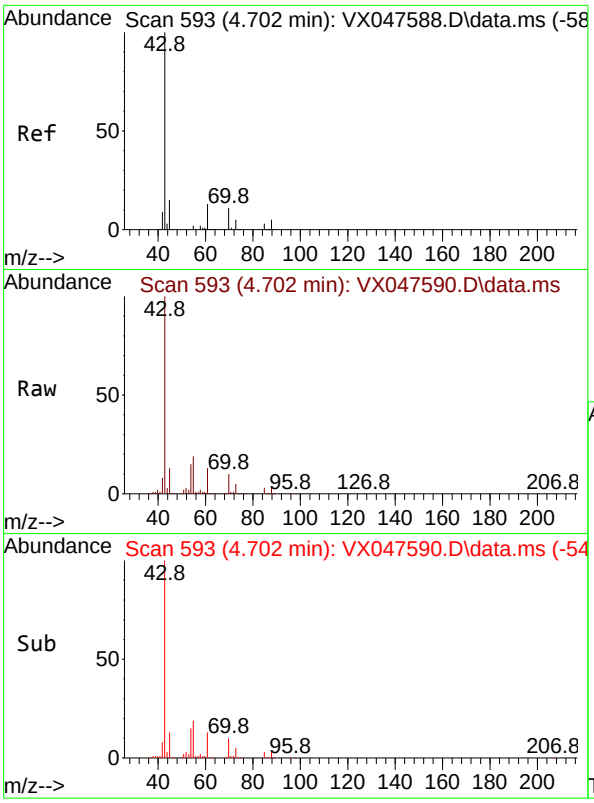


#36
1,1-Dichloropropene
Concen: 143.556 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 386601

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.7	50.1
77	30.6	24.3	36.5



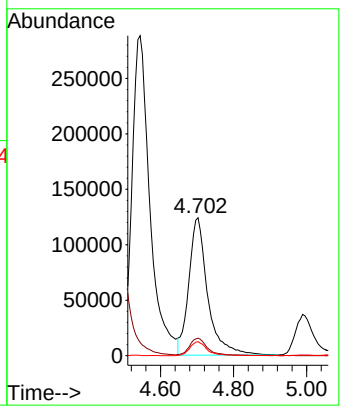


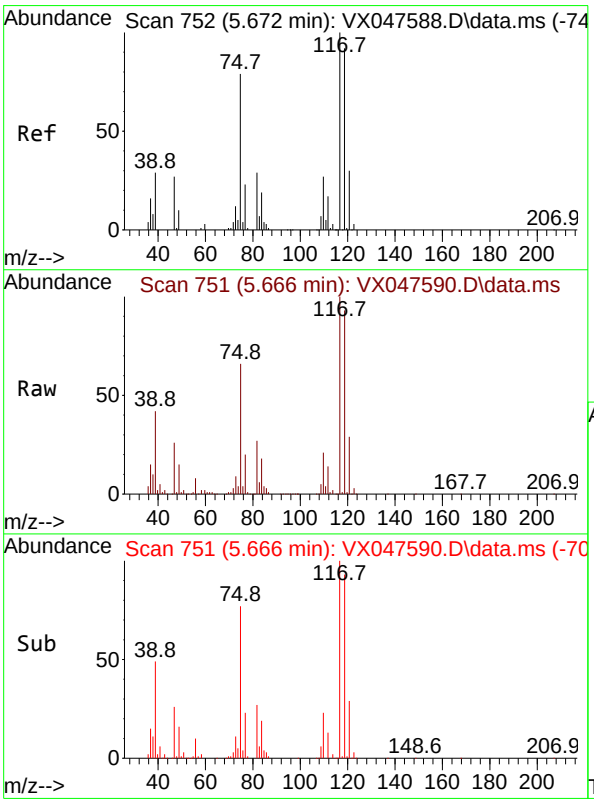
#37
Ethyl Acetate
Concen: 154.141 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 444461

Ion	Ratio	Lower	Upper
43	100		
61	12.1	9.8	14.8
70	9.5	7.9	11.9

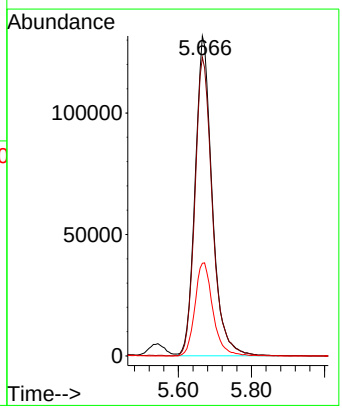


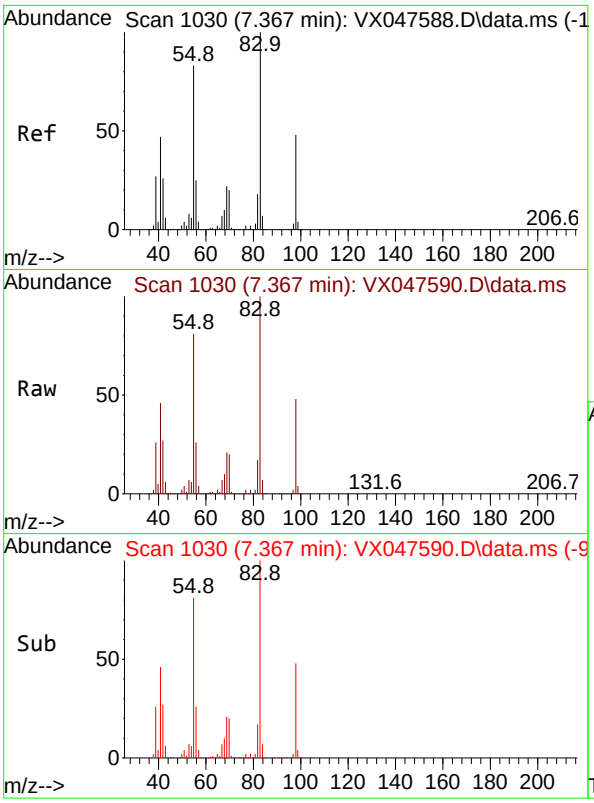


#38
Carbon Tetrachloride
Concen: 146.021 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:117 Resp: 427263

Ion	Ratio	Lower	Upper
117	100		
119	93.3	73.4	110.2
121	29.0	23.8	35.6



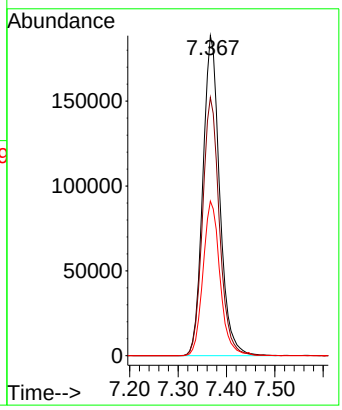


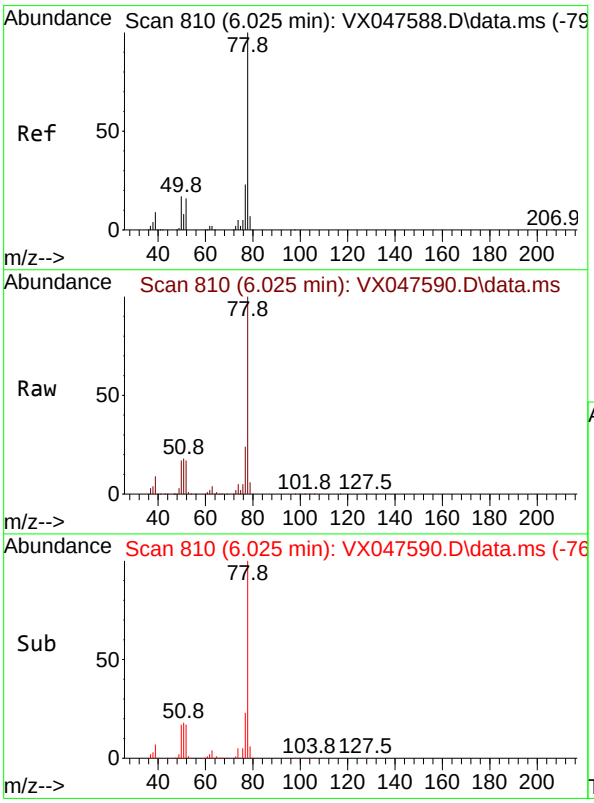
#39
Methylcyclohexane
Concen: 149.395 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 456694

Ion	Ratio	Lower	Upper
83	100		
55	80.7	66.4	99.6
98	48.3	38.1	57.1

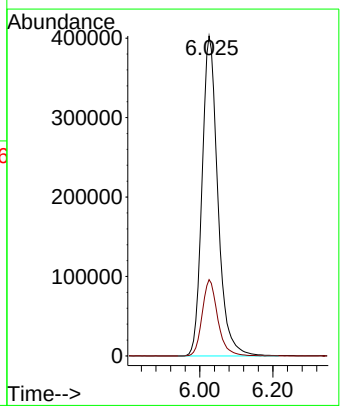


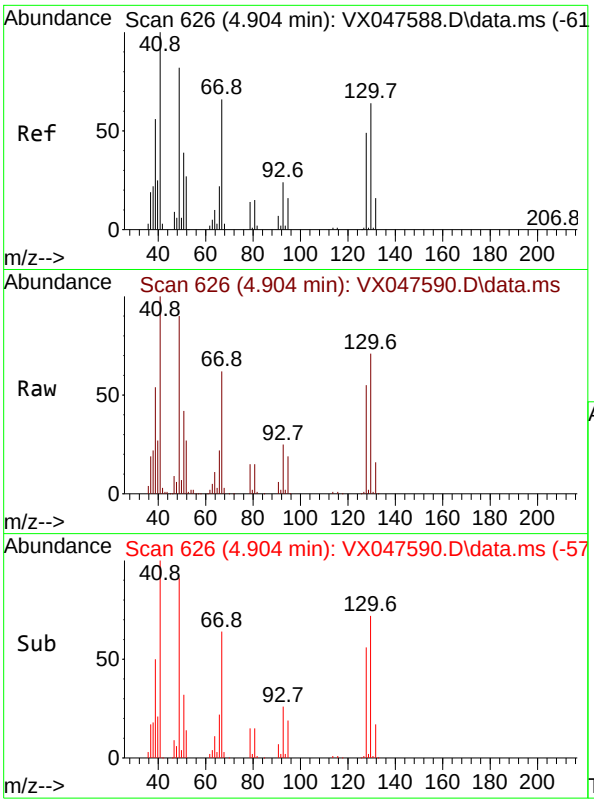


#40
Benzene
Concen: 147.057 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 78 Resp: 1202846

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2



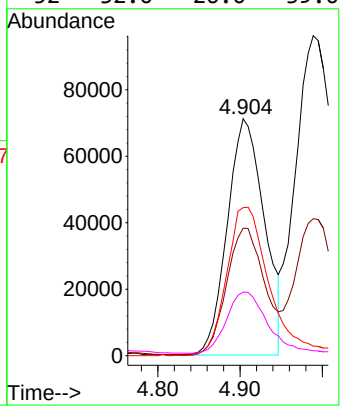


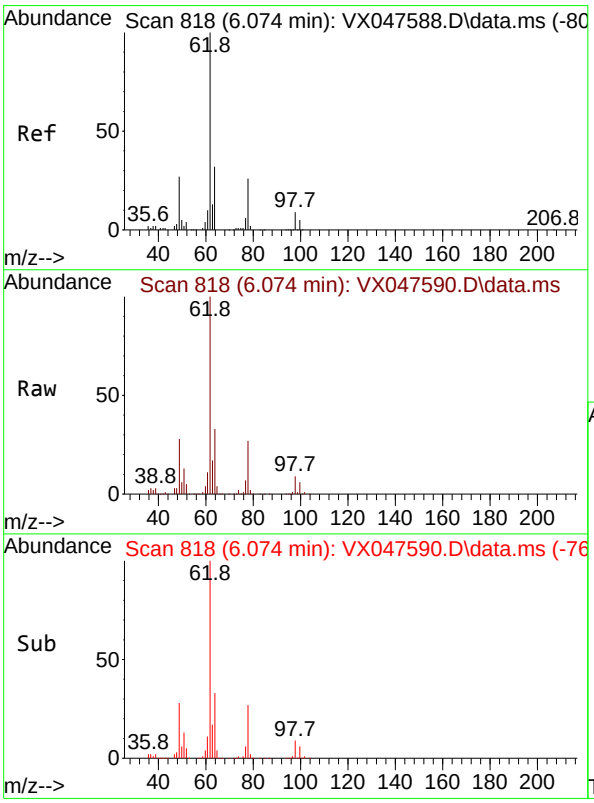
#41
Methacrylonitrile
Concen: 149.951 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 223218

Ion	Ratio	Lower	Upper
41	100		
39	54.5	43.3	64.9
67	74.6	58.6	87.8
52	32.0	26.0	39.0

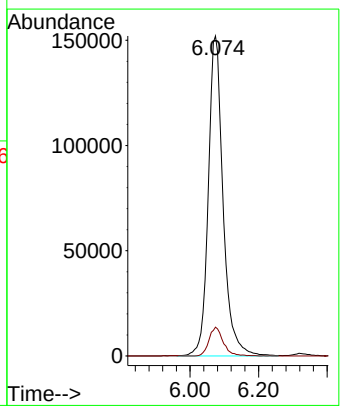


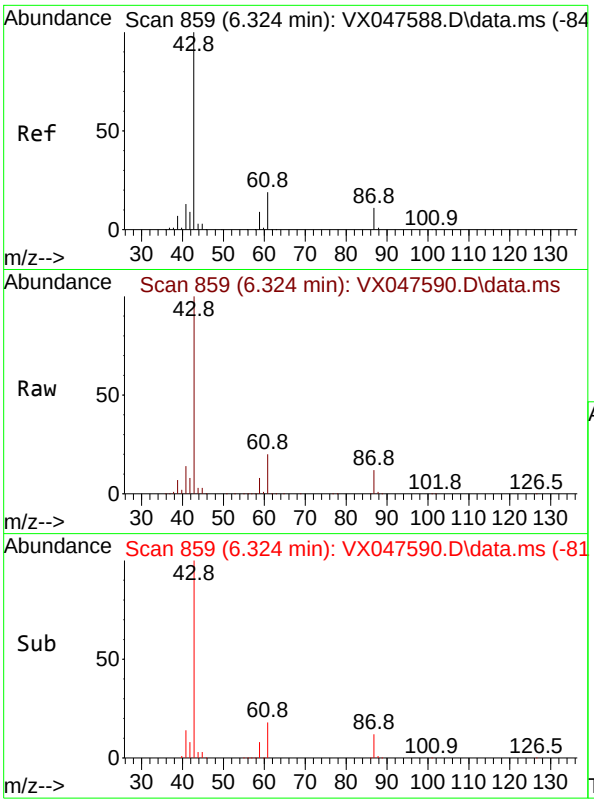


#42
1,2-Dichloroethane
Concen: 146.515 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 62 Resp: 455978

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0



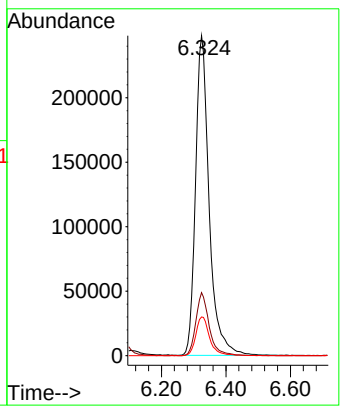


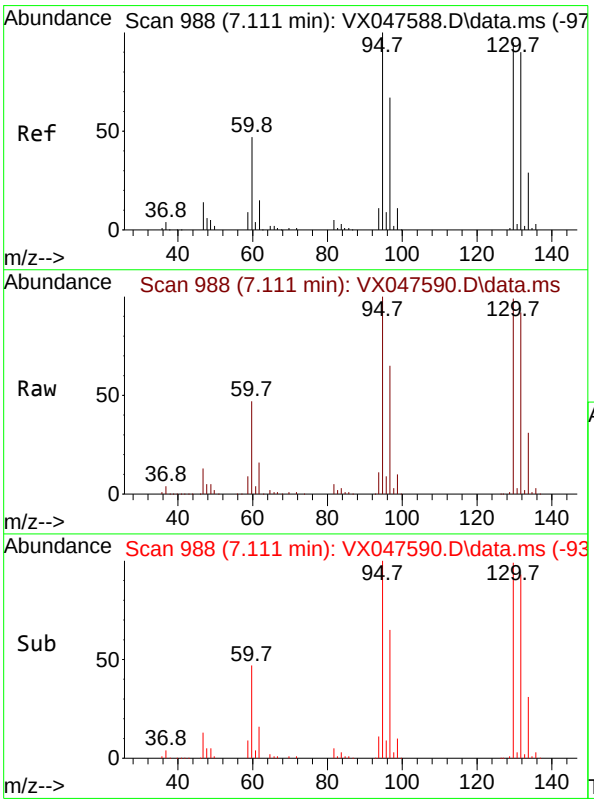
#43
Isopropyl Acetate
Concen: 153.283 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 724888

Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.2	22.8
87	12.3	9.6	14.4

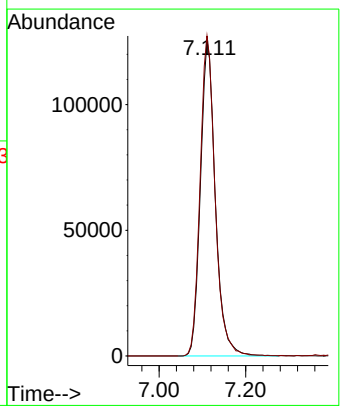


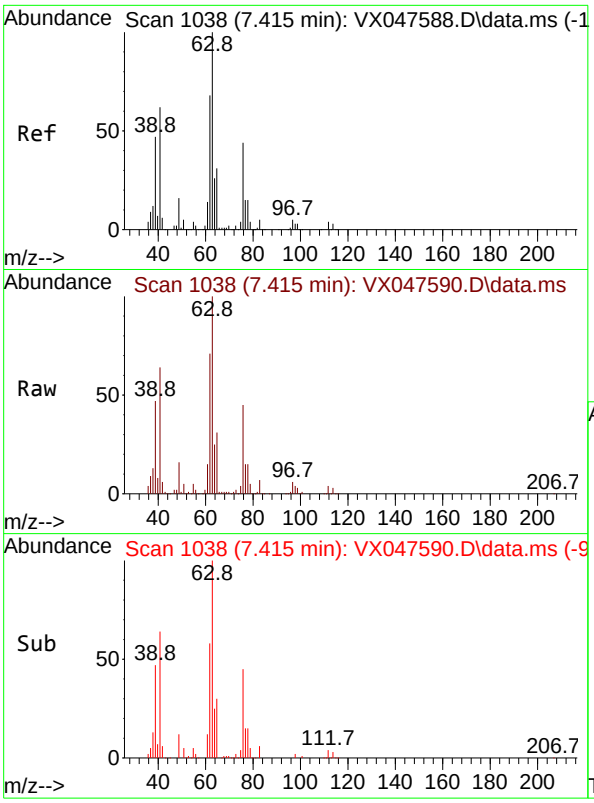


#44
Trichloroethene
Concen: 151.542 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:130 Resp: 299673

Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	210.8



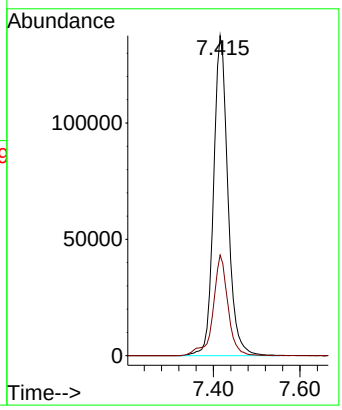


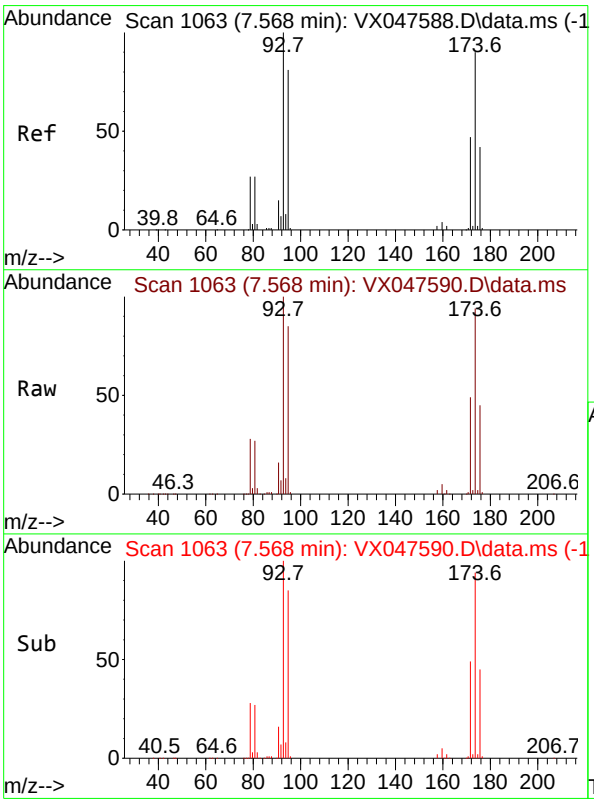
#45
1,2-Dichloropropane
Concen: 151.219 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 316720

Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.7	37.1

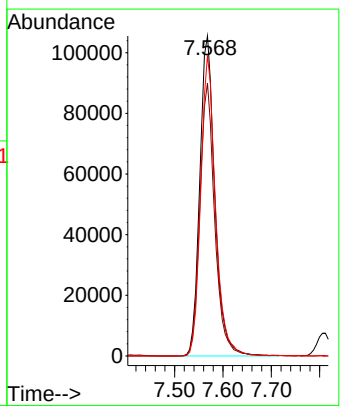


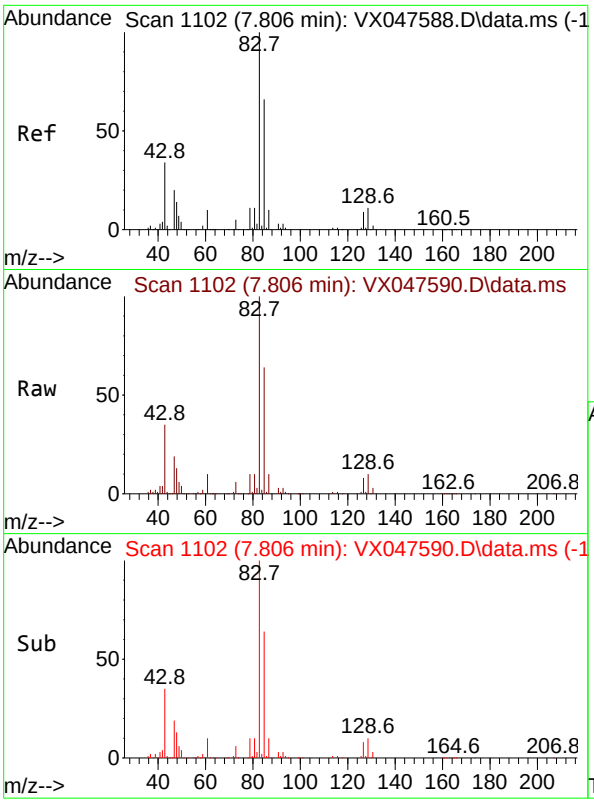


#46
Dibromomethane
Concen: 149.954 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 93 Resp: 228550

Ion	Ratio	Lower	Upper
93	100		
95	84.2	65.0	97.6
174	92.5	71.6	107.4



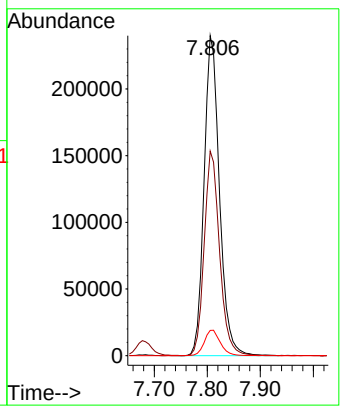


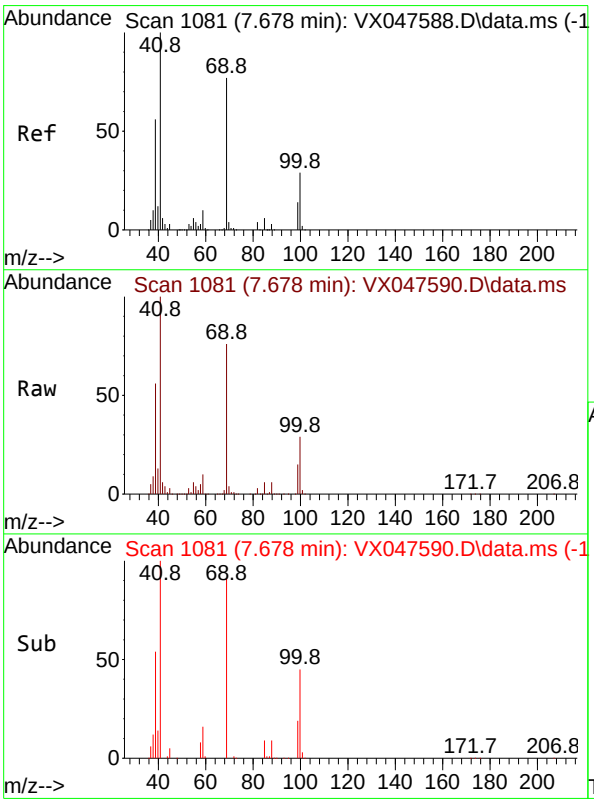
#47
Bromodichloromethane
Concen: 153.710 ug/l
RT: 7.806 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 483438

Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.5	78.7
127	7.9	6.9	10.3

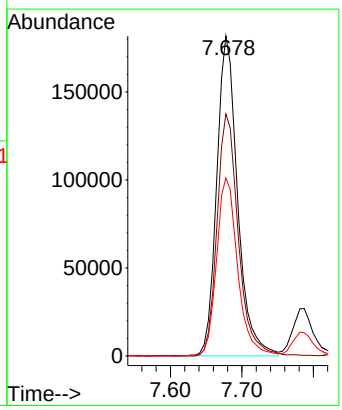


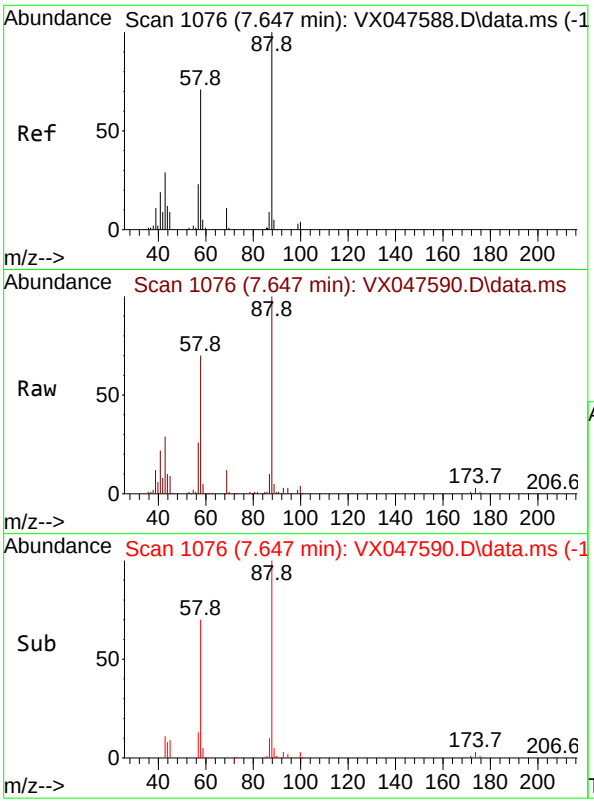


#48
Methyl methacrylate
Concen: 156.194 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 41 Resp: 367931

Ion	Ratio	Lower	Upper
41	100		
69	77.2	61.4	92.2
39	56.5	45.8	68.6



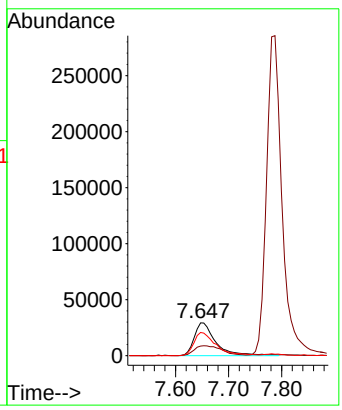


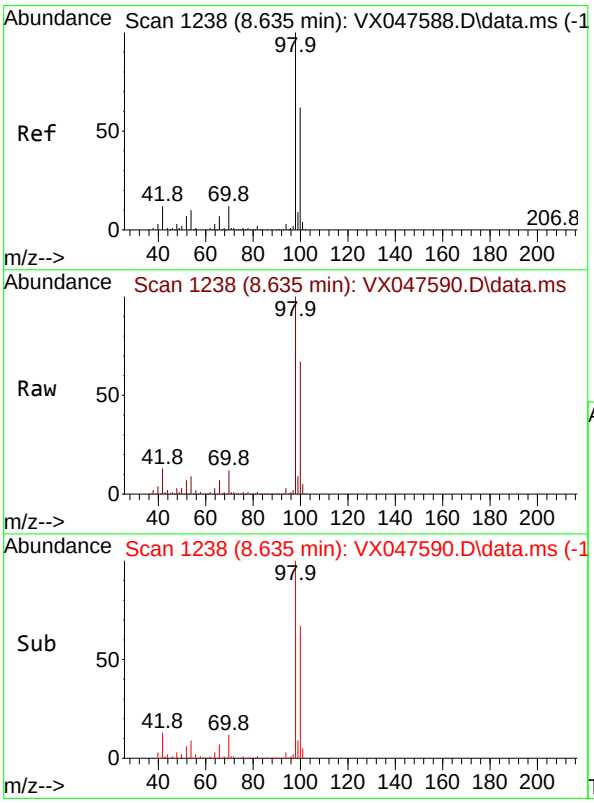
#49
1,4-Dioxane
Concen: 3475.565 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 82739

Ion	Ratio	Lower	Upper
88	100		
43	38.5	30.2	45.2
58	73.0	59.5	89.3

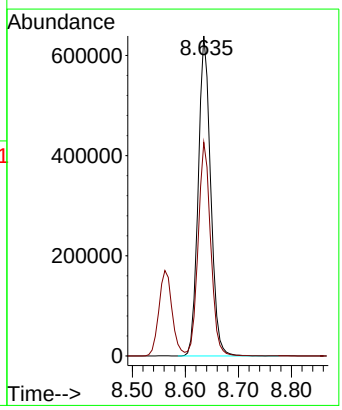


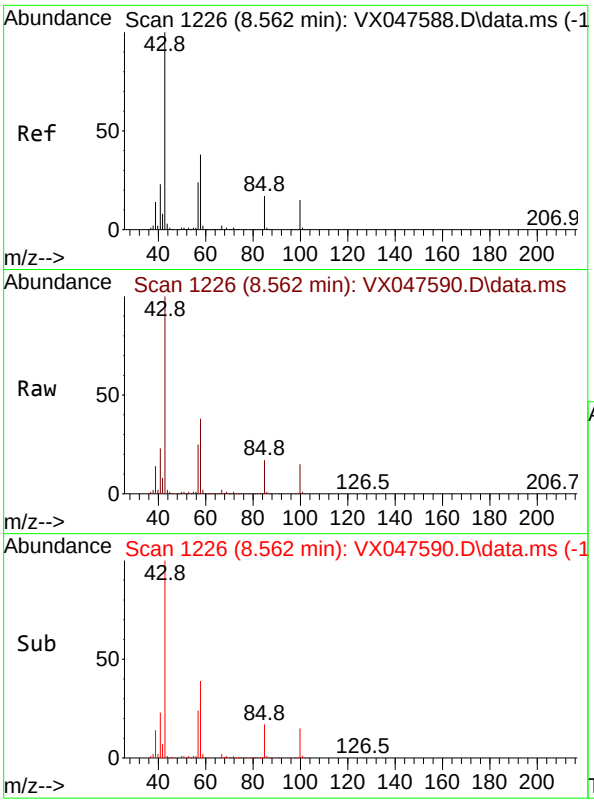


#50
Toluene-d8
Concen: 163.253 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 98 Resp: 1041079

Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.0	79.4



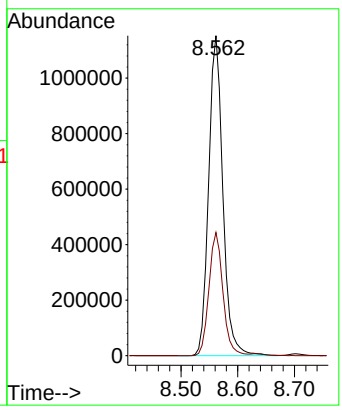


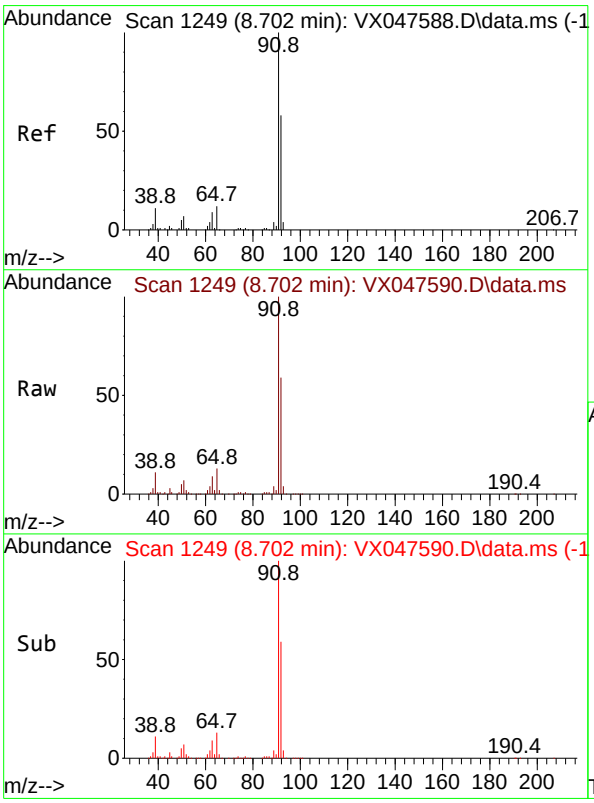
#51
4-Methyl-2-Pentanone
Concen: 765.849 ug/l
RT: 8.562 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 2008063

Ion	Ratio	Lower	Upper
43	100		
58	38.0	30.3	45.5

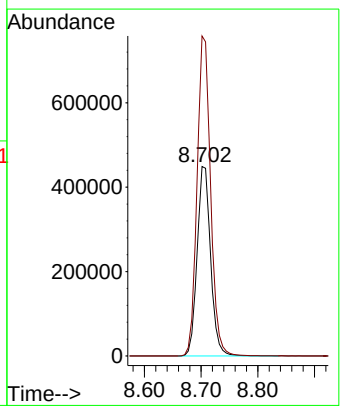


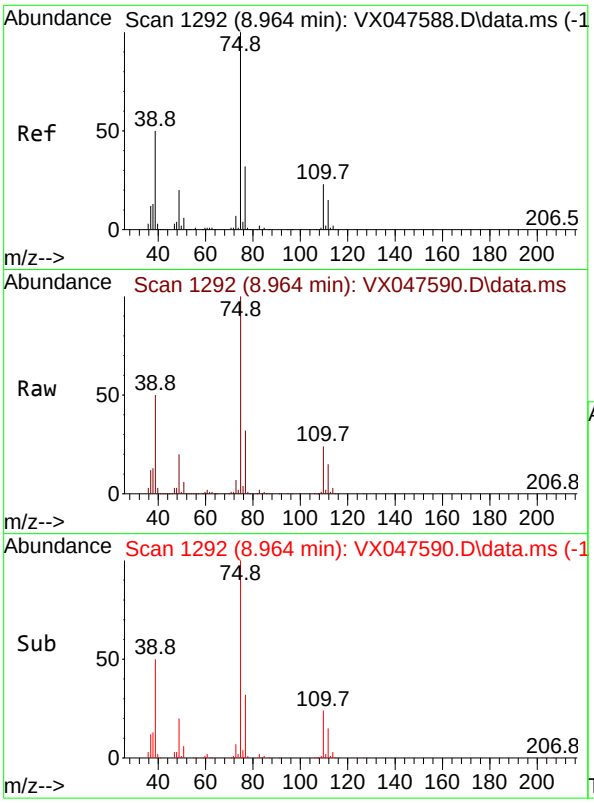


#52
Toluene
Concen: 146.712 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 92 Resp: 739332

Ion	Ratio	Lower	Upper
92	100		
91	169.5	137.1	205.7



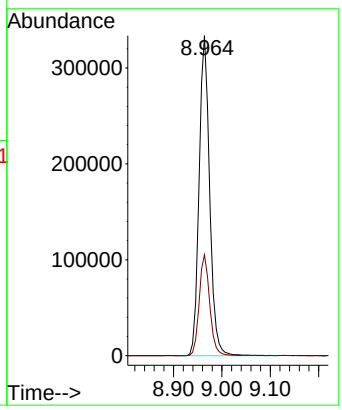


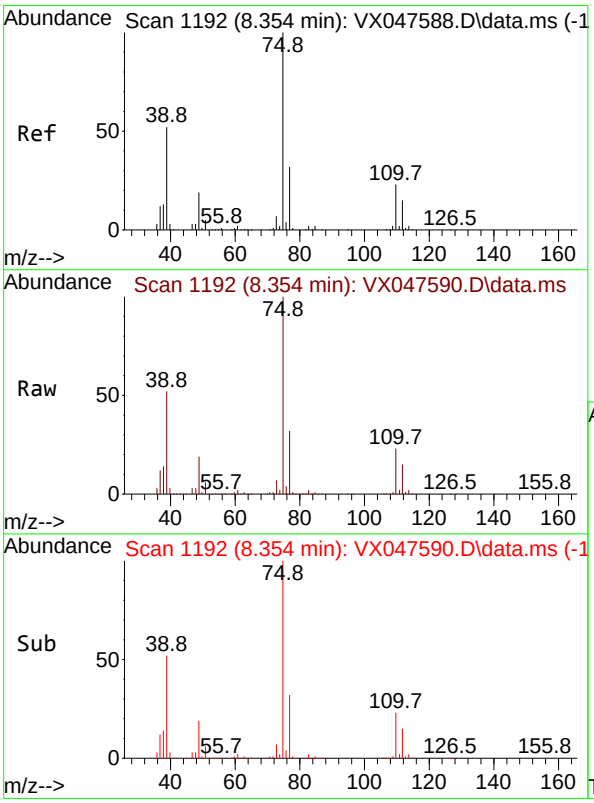
#53
t-1,3-Dichloropropene
Concen: 157.076 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 503912

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.2

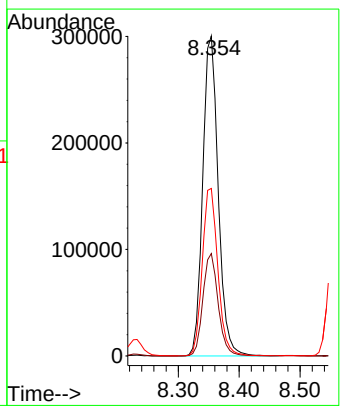


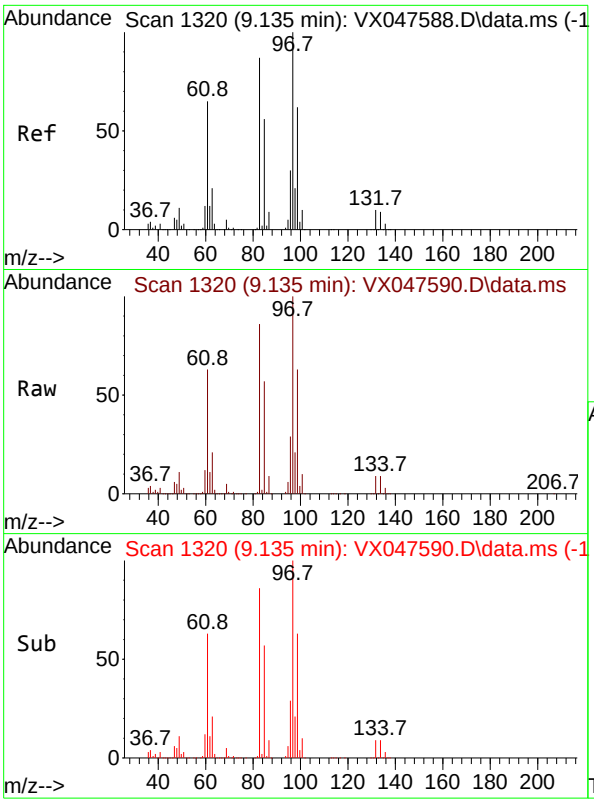


#54
cis-1,3-Dichloropropene
Concen: 154.732 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 530566

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.8	38.6
39	52.3	41.4	62.2



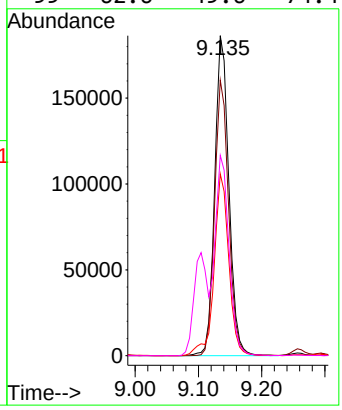


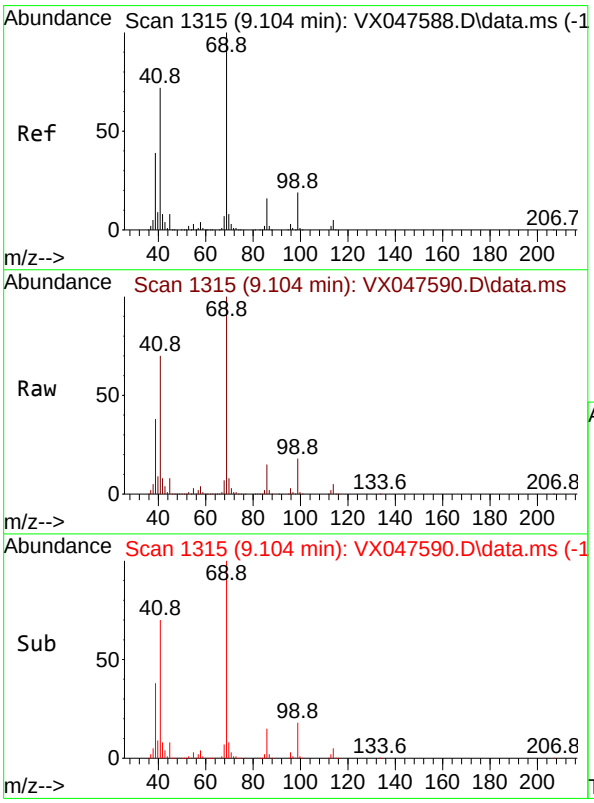
#55
1,1,2-Trichloroethane
Concen: 148.781 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 289103

Ion	Ratio	Lower	Upper
97	100		
83	86.1	69.6	104.4
85	56.8	45.0	67.6
99	62.6	49.6	74.4

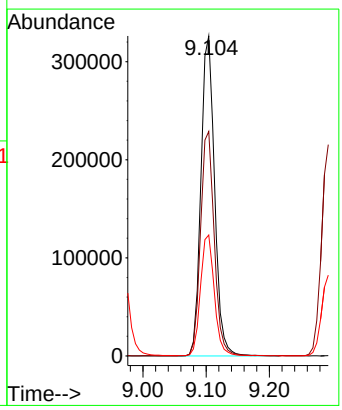


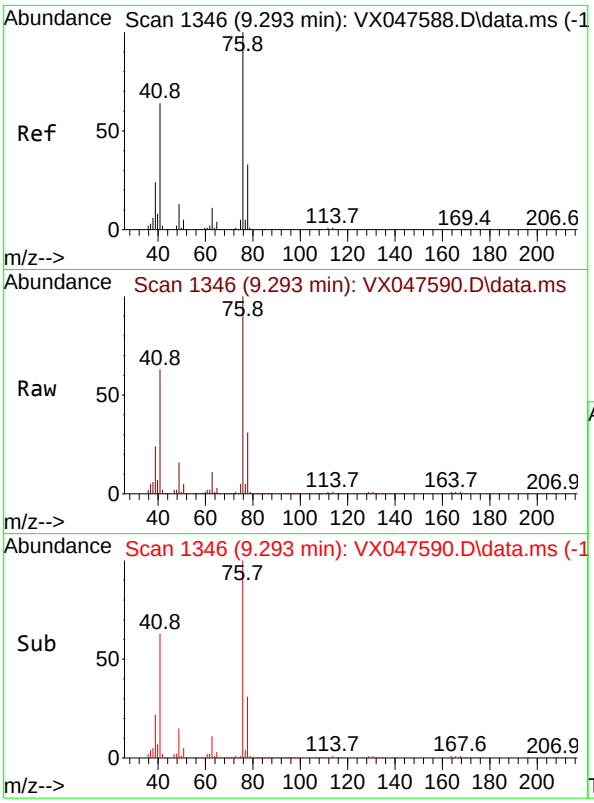


#56
Ethyl methacrylate
Concen: 160.773 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 69 Resp: 490623

Ion	Ratio	Lower	Upper
69	100		
41	70.5	58.6	87.8
39	38.2	31.5	47.3



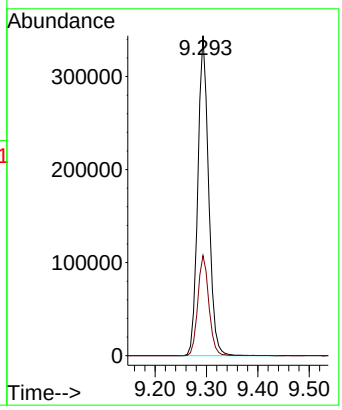


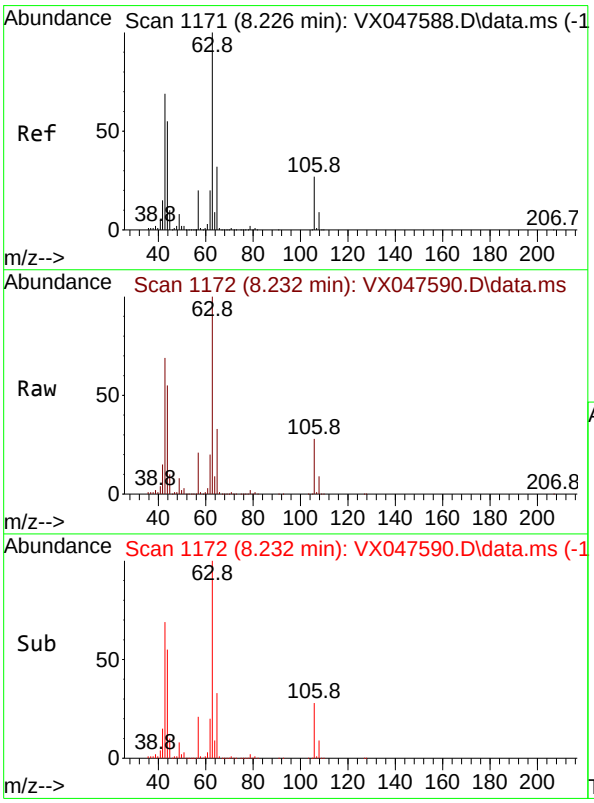
#57
1,3-Dichloropropane
Concen: 150.426 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 502121

Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.2	39.4

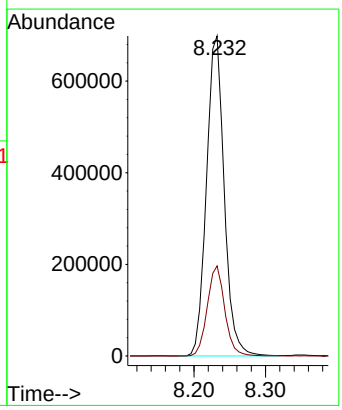


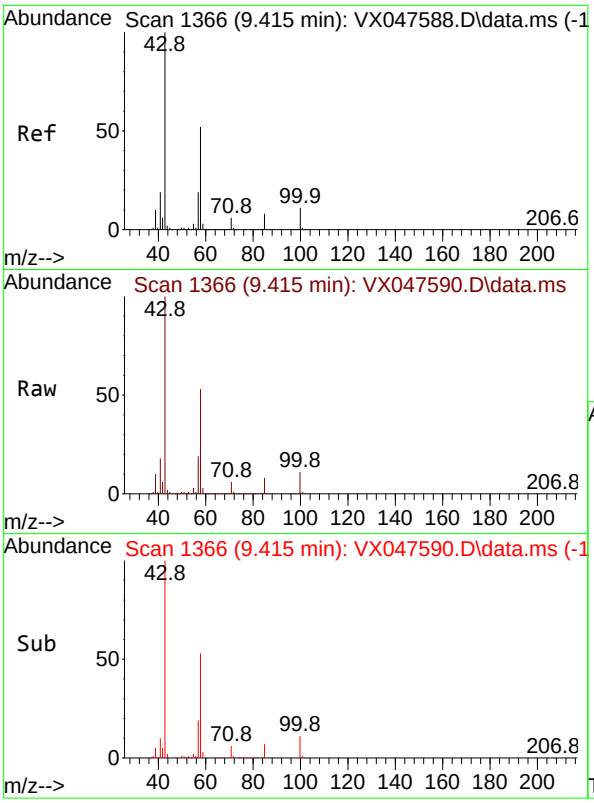


#58
2-Chloroethyl Vinyl ether
Concen: 749.661 ug/l
RT: 8.232 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 63 Resp: 1202206

Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.9	32.9



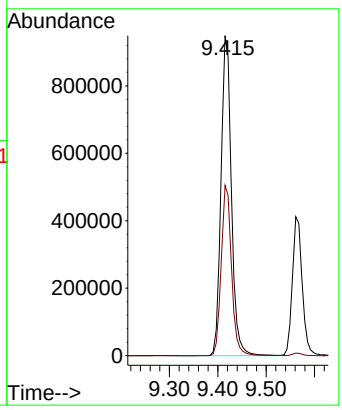


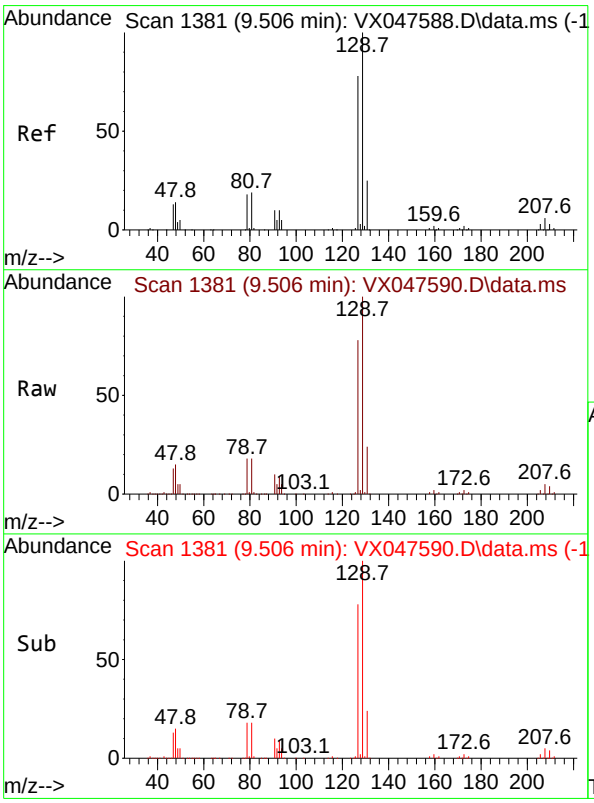
#59
2-Hexanone
Concen: 750.035 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1412417

Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.1	78.2

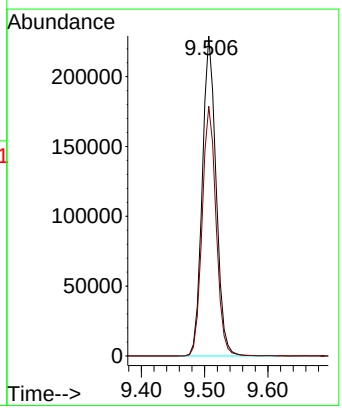


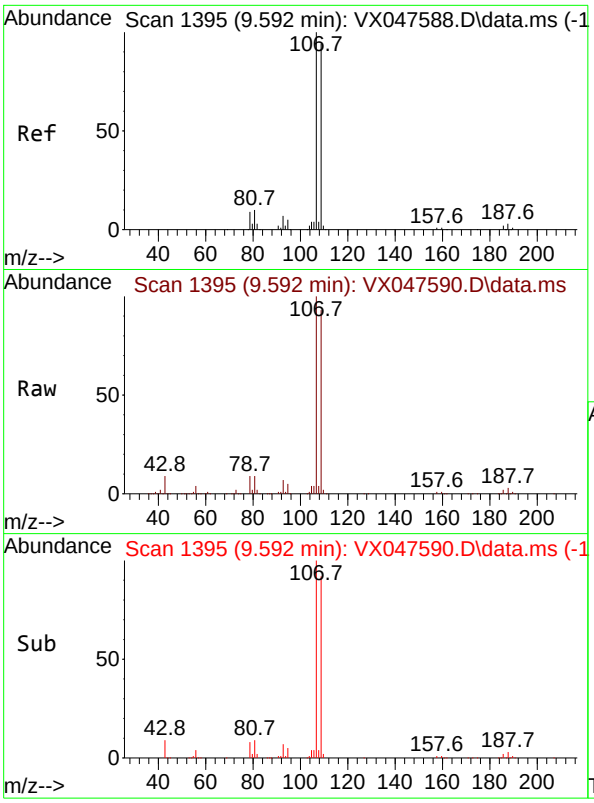


#60
Dibromochloromethane
Concen: 155.318 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:129 Resp: 347748

Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.4	115.2



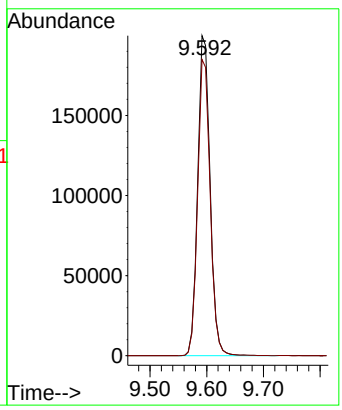


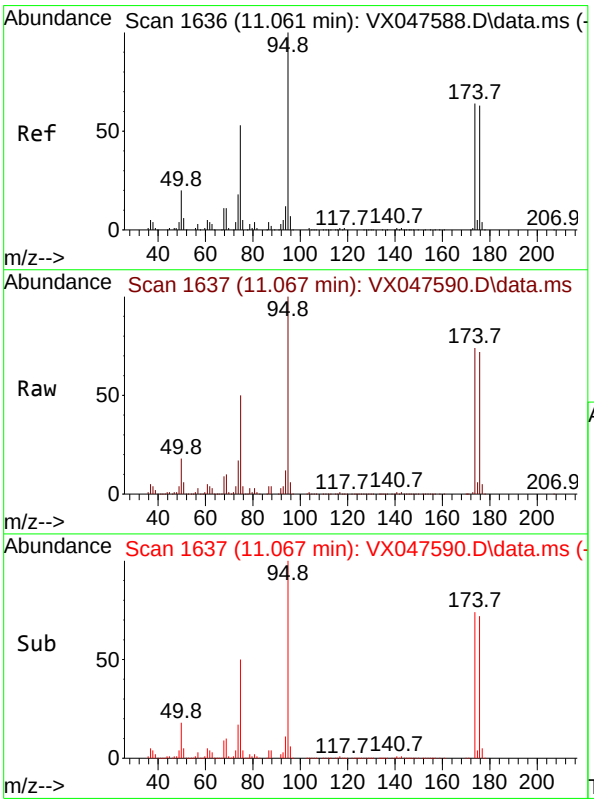
#61
1,2-Dibromoethane
Concen: 152.949 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 302715

Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.3	112.9

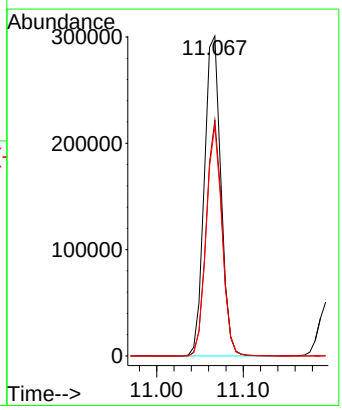


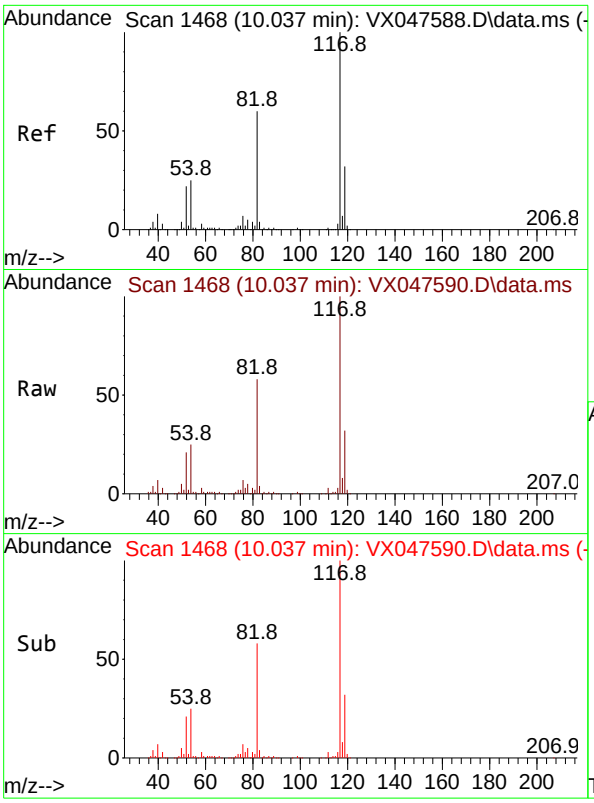


#62
4-Bromofluorobenzene
Concen: 165.020 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 95 Resp: 399386

Ion	Ratio	Lower	Upper
95	100		
174	70.7	0.0	141.6
176	68.5	0.0	138.4



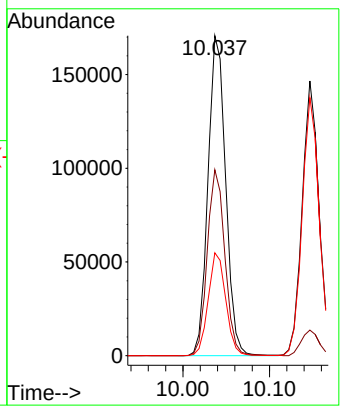


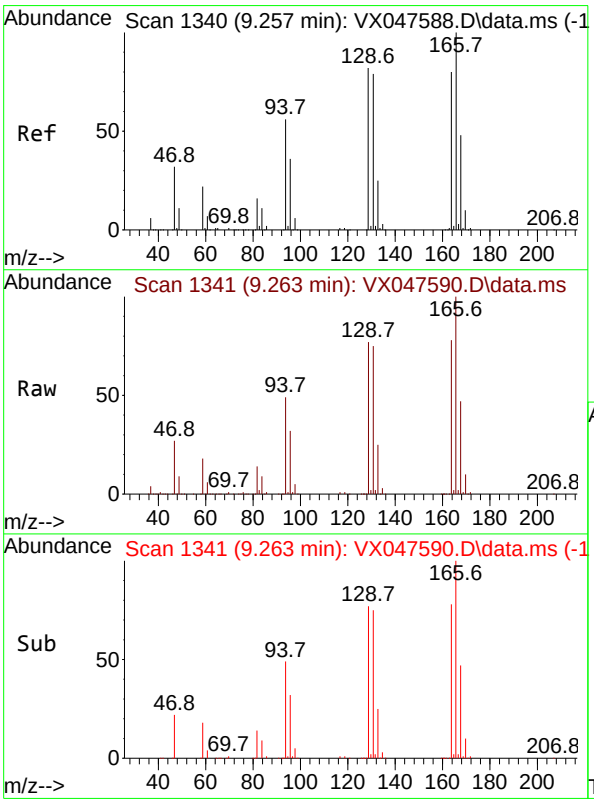
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 241818

Ion	Ratio	Lower	Upper
117	100		
82	58.1	47.8	71.6
119	32.2	25.2	37.8

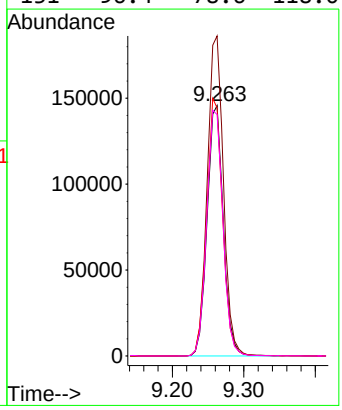


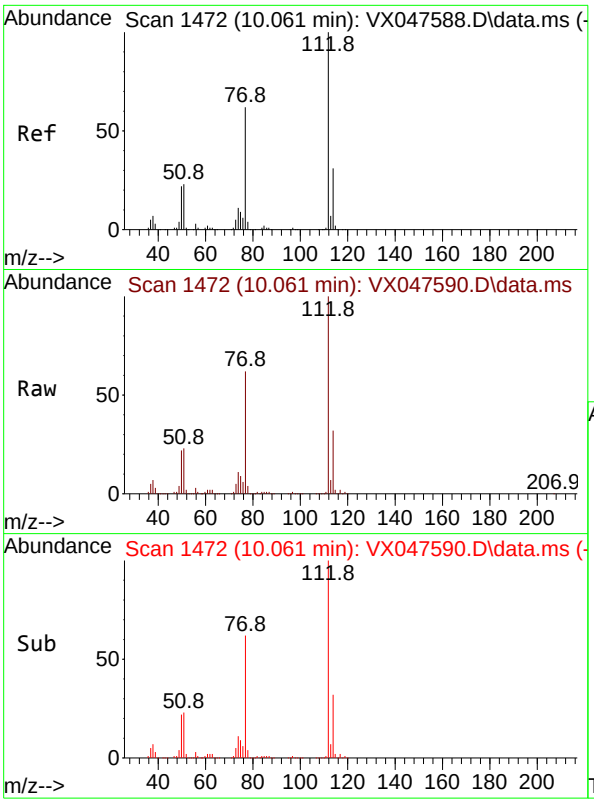


#64
Tetrachloroethene
Concen: 144.590 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:164 Resp: 227931

Ion	Ratio	Lower	Upper
164	100		
166	127.8	100.2	150.2
129	99.0	81.8	122.6
131	96.4	78.6	118.0



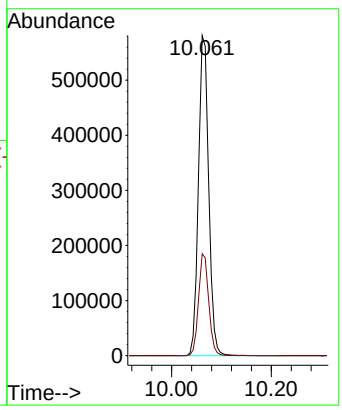


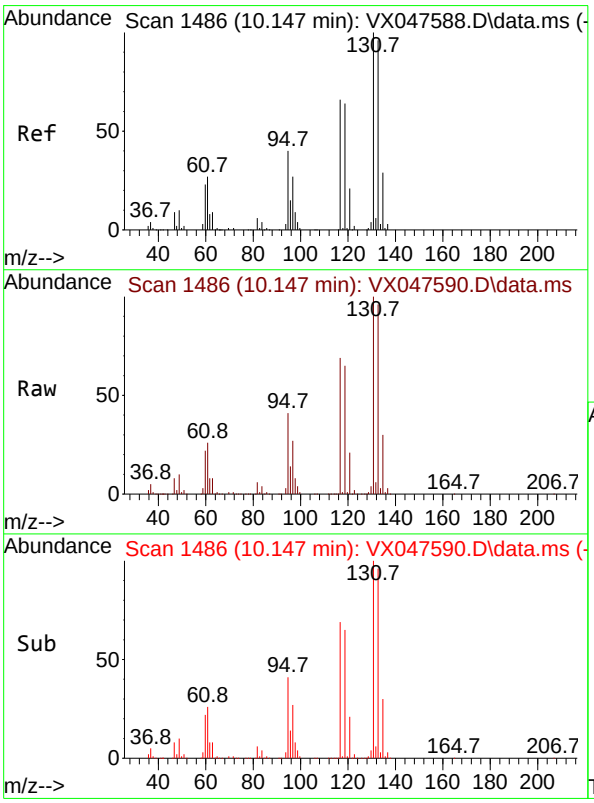
#65
Chlorobenzene
Concen: 150.763 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 828239

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.1	37.7

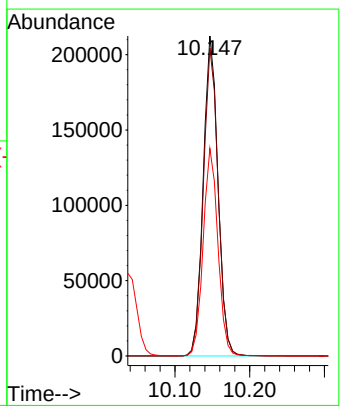


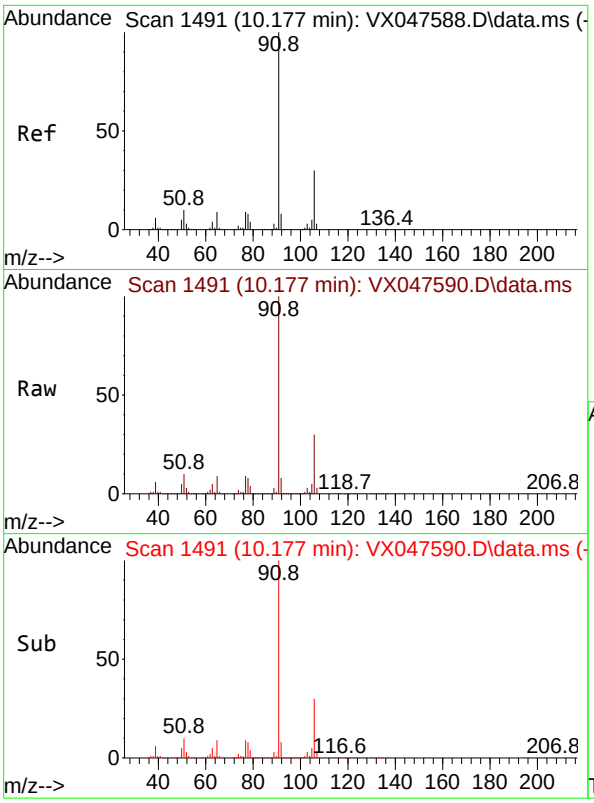


#66
1,1,1,2-Tetrachloroethane
Concen: 153.733 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:131 Resp: 291433

Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.3	142.0
119	64.8	32.0	96.0



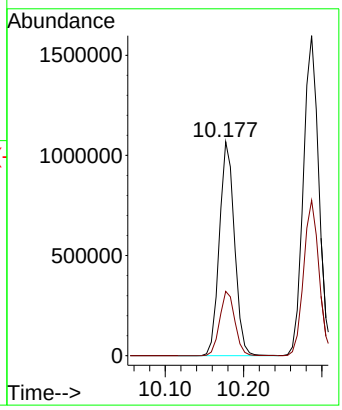


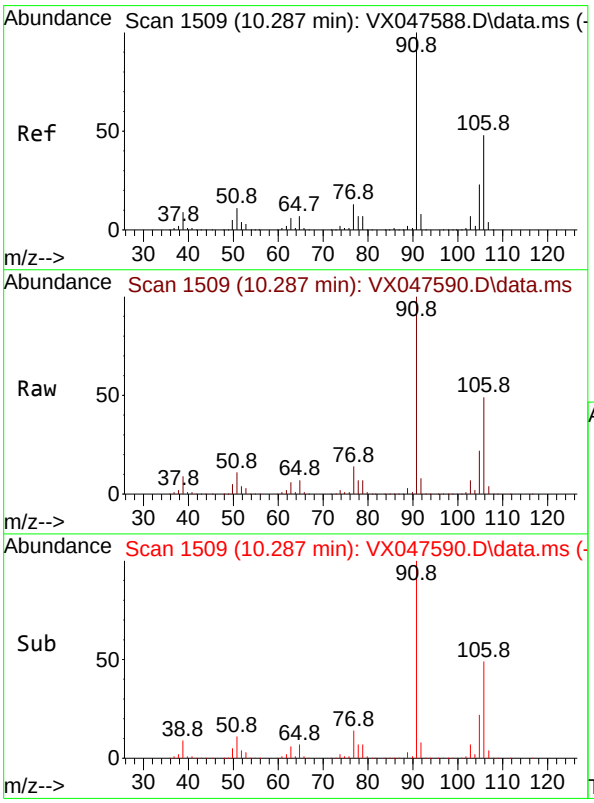
#67
Ethyl Benzene
Concen: 151.026 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1431554

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.3	36.5

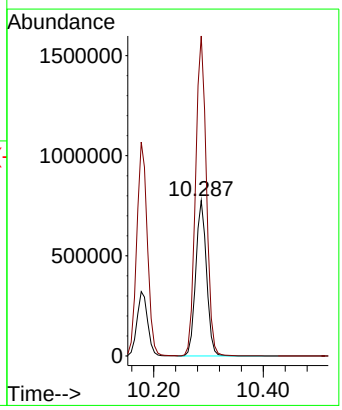


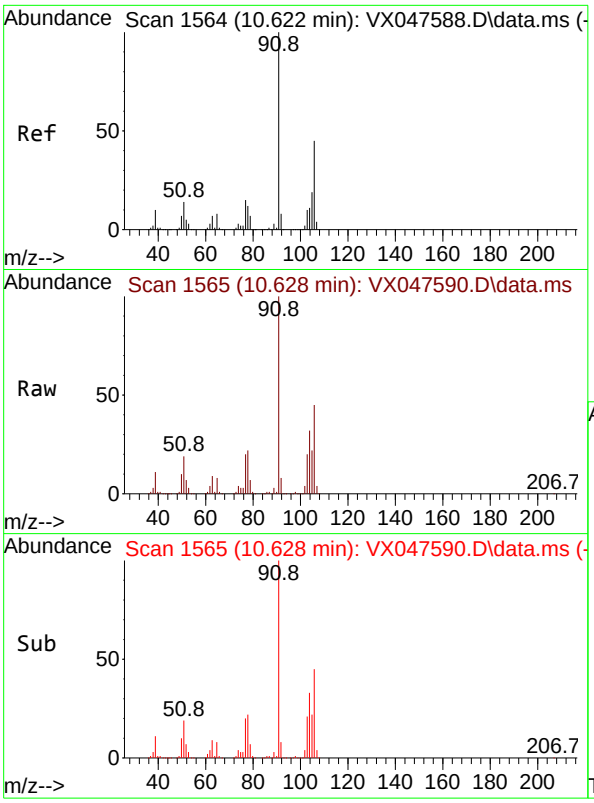


#68
m/p-Xylenes
Concen: 300.381 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:106 Resp: 1059776

Ion	Ratio	Lower	Upper
106	100		
91	208.0	167.8	251.8



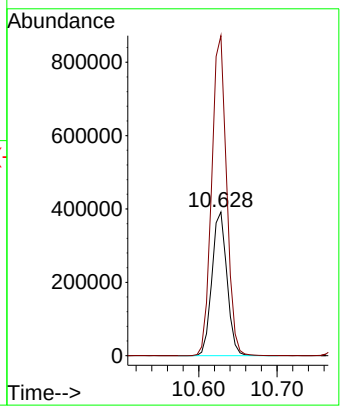


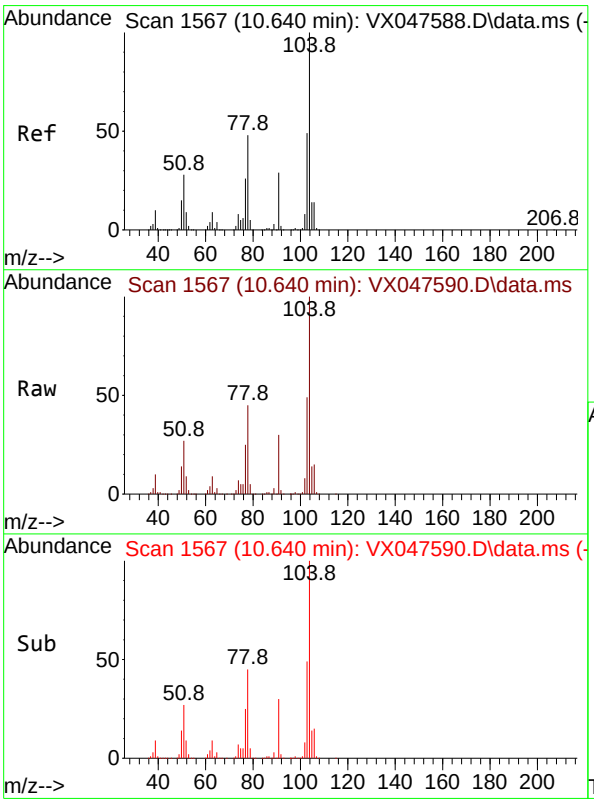
#69
o-Xylene
Concen: 152.920 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 521840

Ion	Ratio	Lower	Upper
106	100		
91	220.7	111.1	333.4

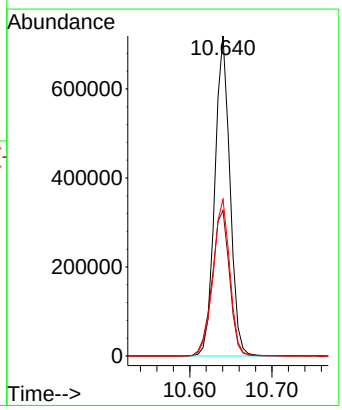


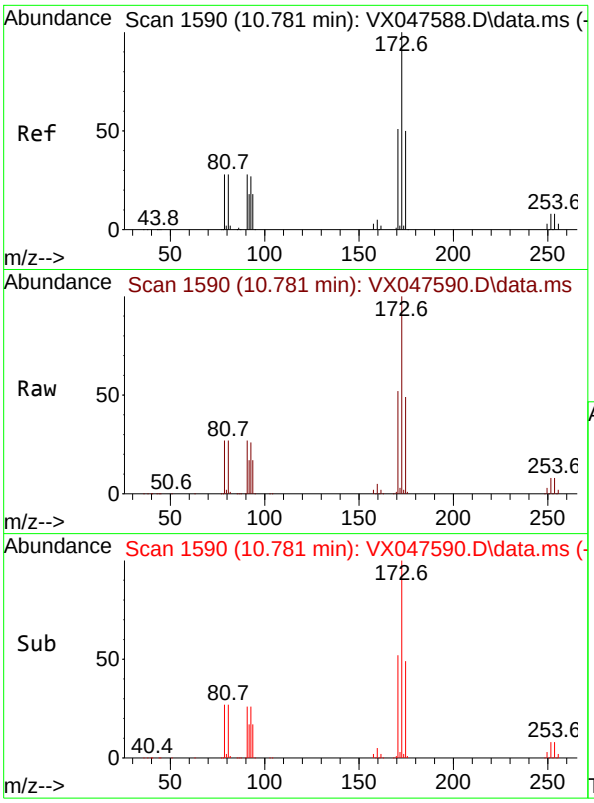


#70
Styrene
Concen: 153.449 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:104 Resp: 917532

Ion	Ratio	Lower	Upper
104	100		
78	52.4	43.1	64.7
103	54.0	43.1	64.7



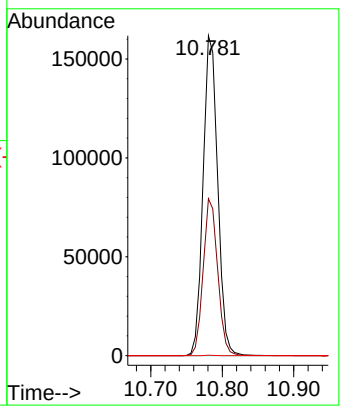


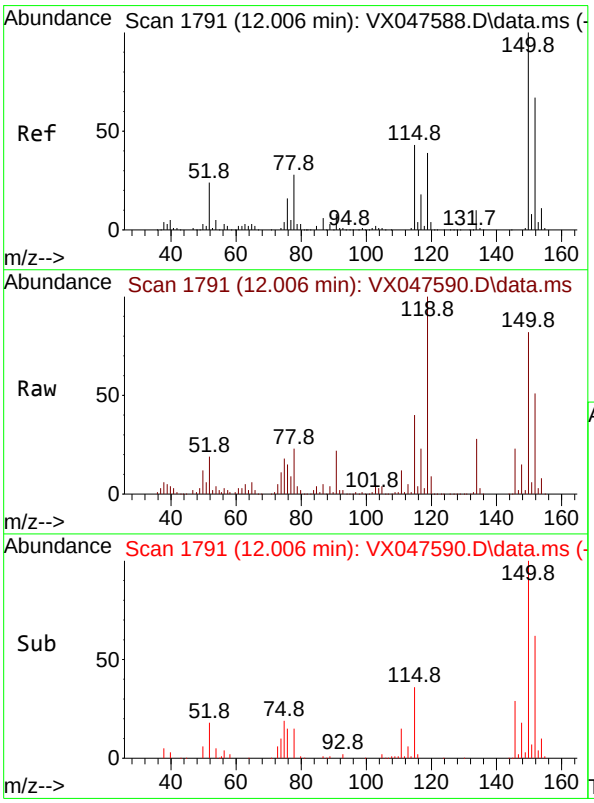
#71
Bromoform
Concen: 162.262 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 229683

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.9	74.6
254	0.1	0.1	0.1

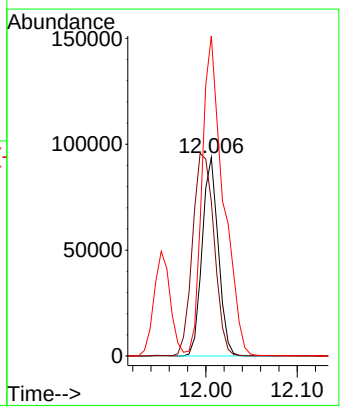


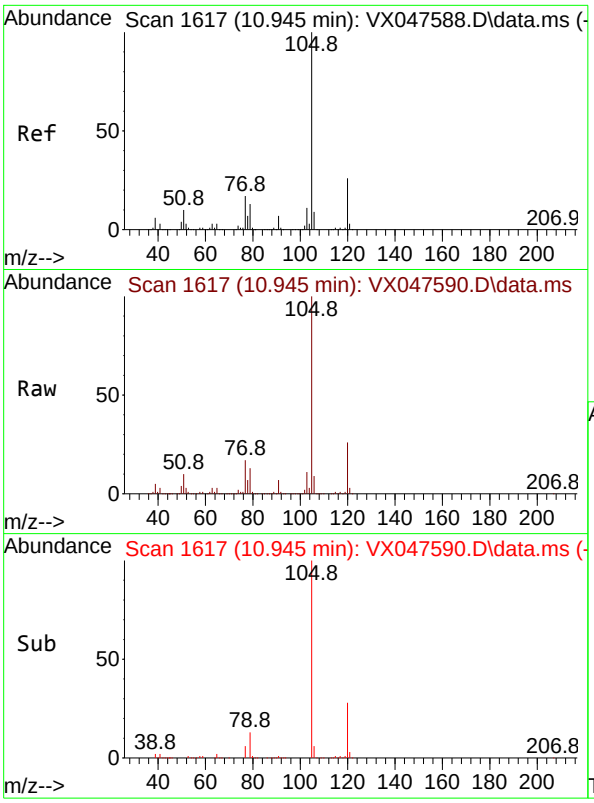


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:152 Resp: 114743

Ion	Ratio	Lower	Upper
152	100		
115	136.9	44.9	134.5#
150	212.9	0.0	352.0



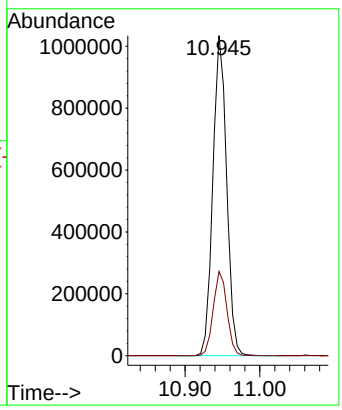


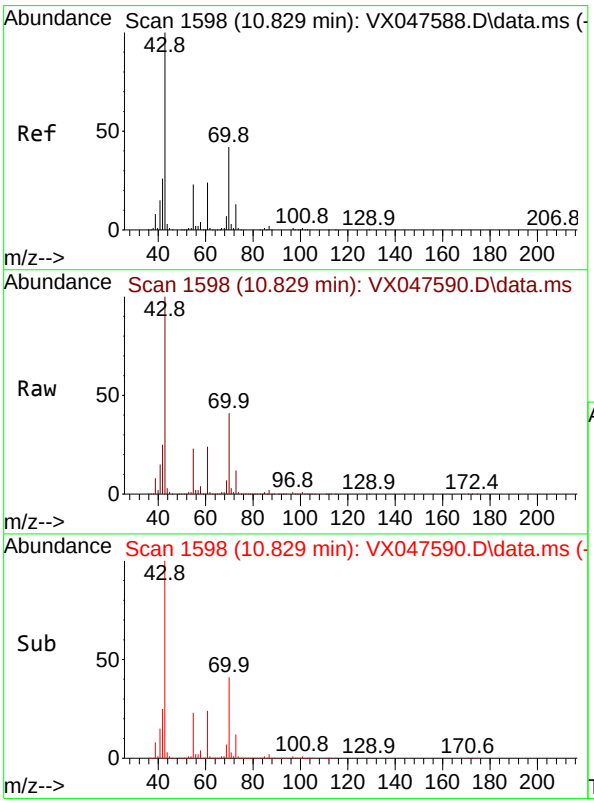
#73
Isopropylbenzene
Concen: 151.477 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1321409

Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.8	38.4

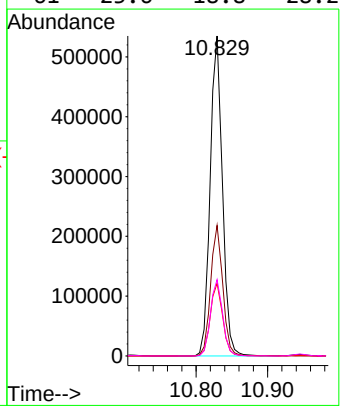


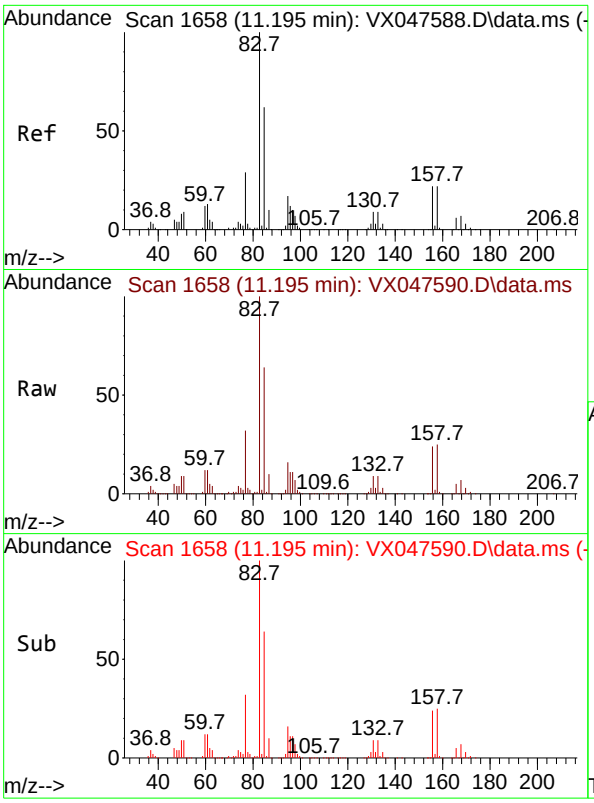


#74
N-amyl acetate
Concen: 160.099 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 636879

Ion	Ratio	Lower	Upper
43	100		
70	40.4	32.0	48.0
55	22.9	18.9	28.3
61	23.6	18.8	28.2



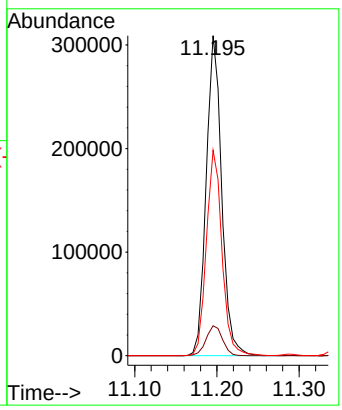


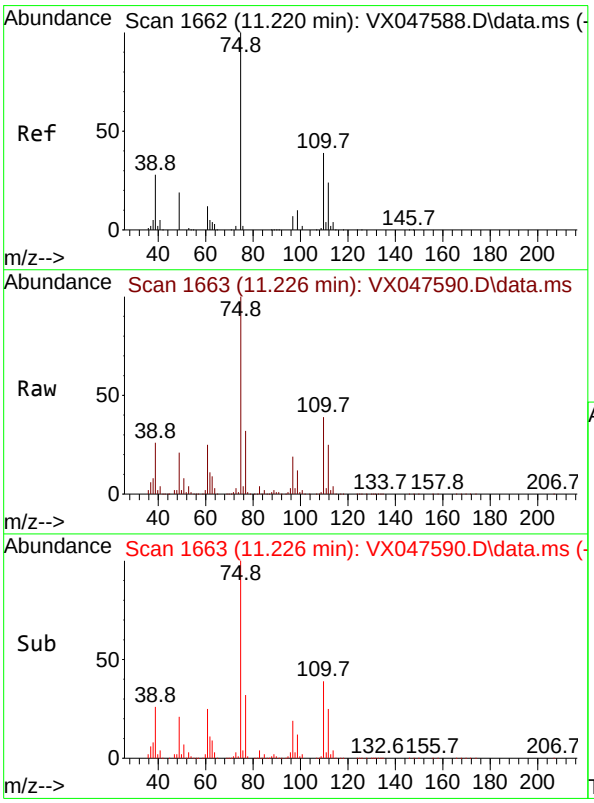
#75
1,1,2,2-Tetrachloroethane
Concen: 153.035 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 403906

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	64.6	31.6	95.0

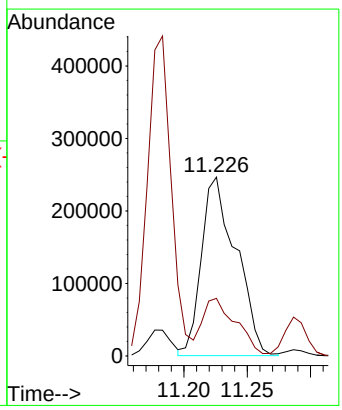


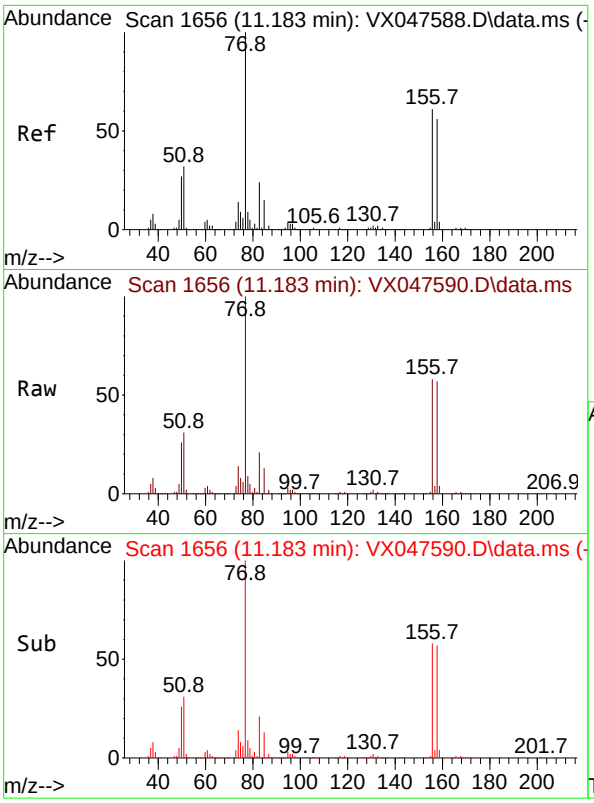


#76
1,2,3-Trichloropropane
Concen: 202.576 ug/l
RT: 11.226 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 470623

Ion	Ratio	Lower	Upper
75	100		
77	30.8	18.8	56.4



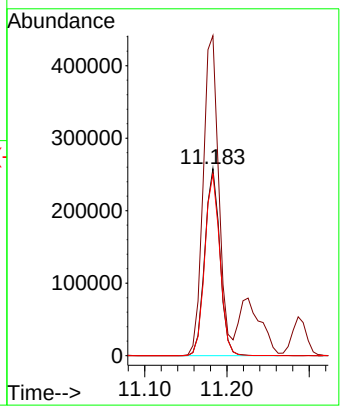


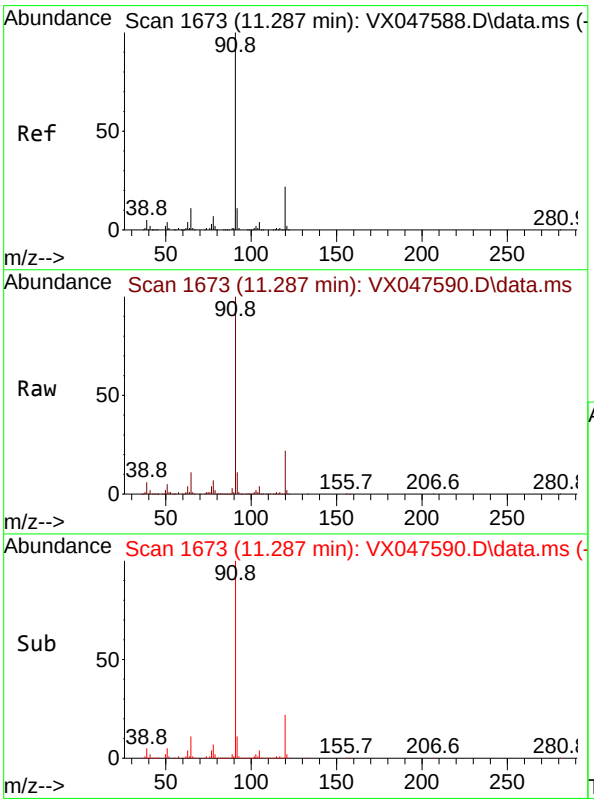
#77
Bromobenzene
Concen: 152.818 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 328336

Ion	Ratio	Lower	Upper
156	100		
77	178.2	89.7	269.1
158	97.5	47.9	143.6

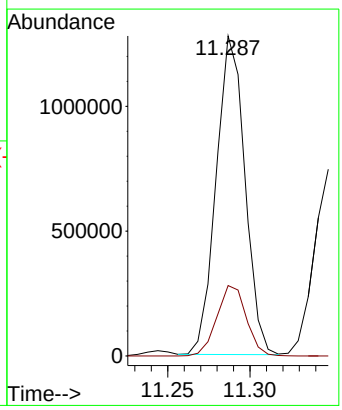


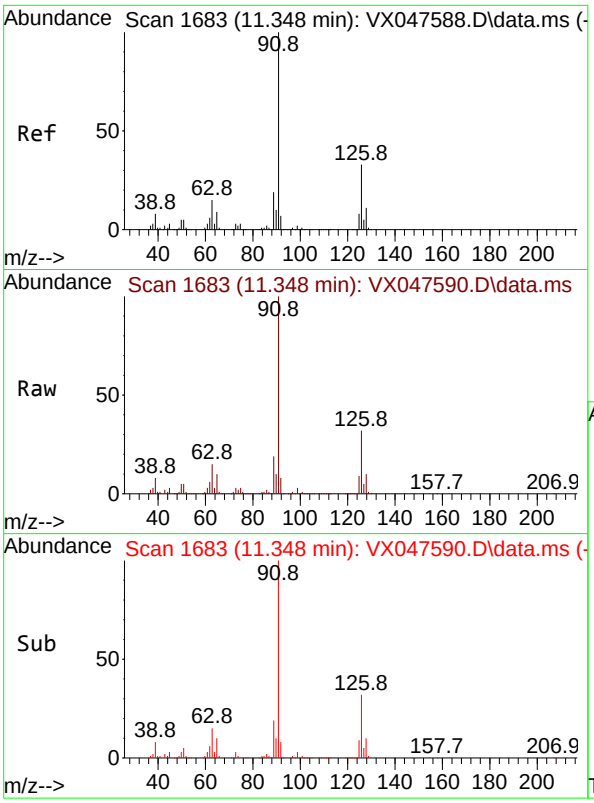


#78
n-propylbenzene
Concen: 150.337 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 1550316

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.1	33.1



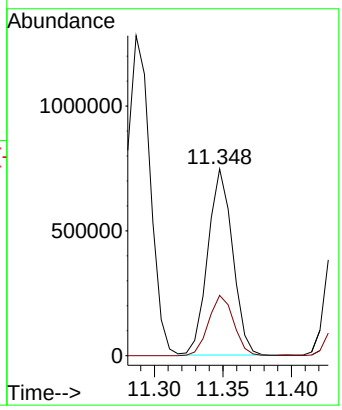


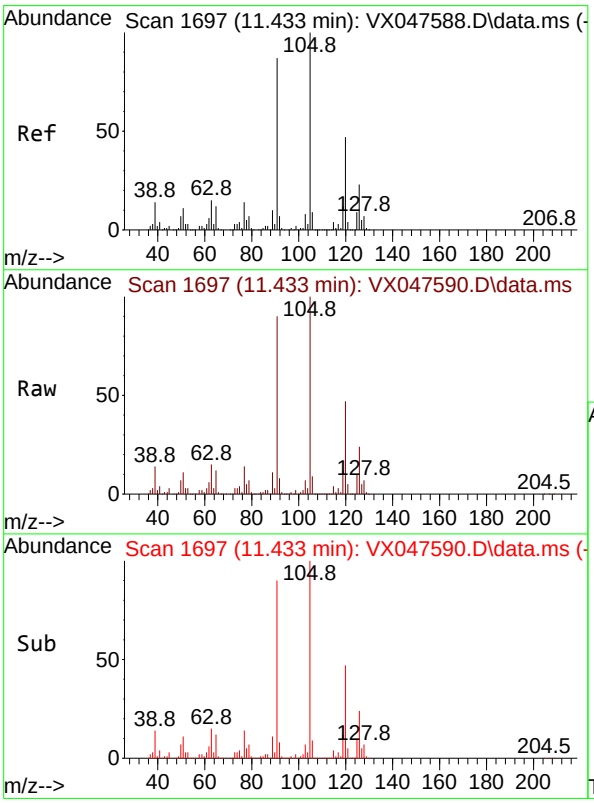
#79
2-Chlorotoluene
Concen: 148.781 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 939707

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3

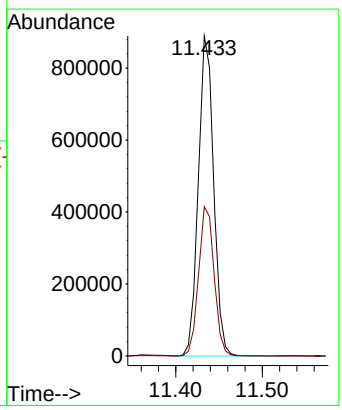


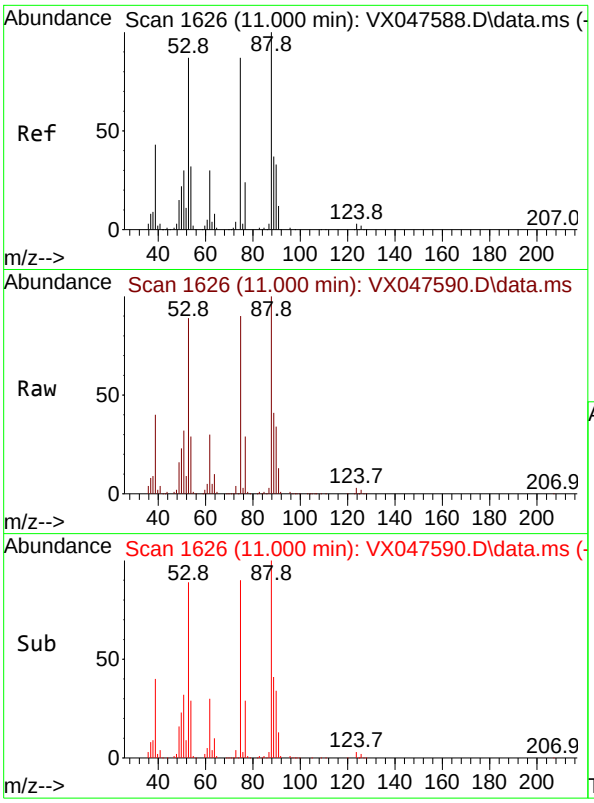


#80
1,3,5-Trimethylbenzene
Concen: 152.306 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:105 Resp: 1091593

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.6	70.8



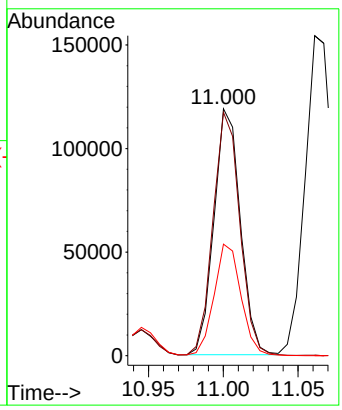


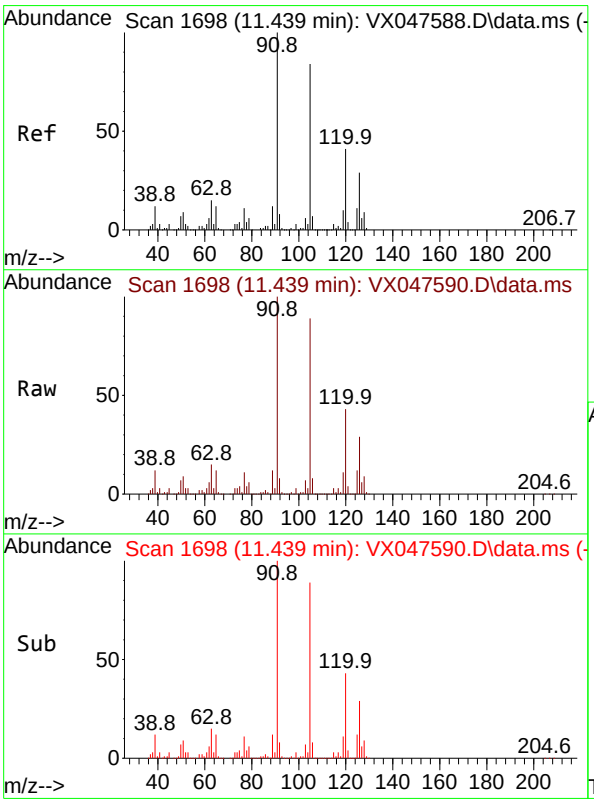
#81
trans-1,4-Dichloro-2-butene
Concen: 160.176 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 145921

Ion	Ratio	Lower	Upper
75	100		
53	100.8	83.4	125.2
89	46.3	36.3	54.5

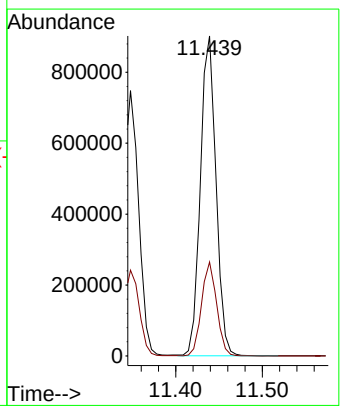


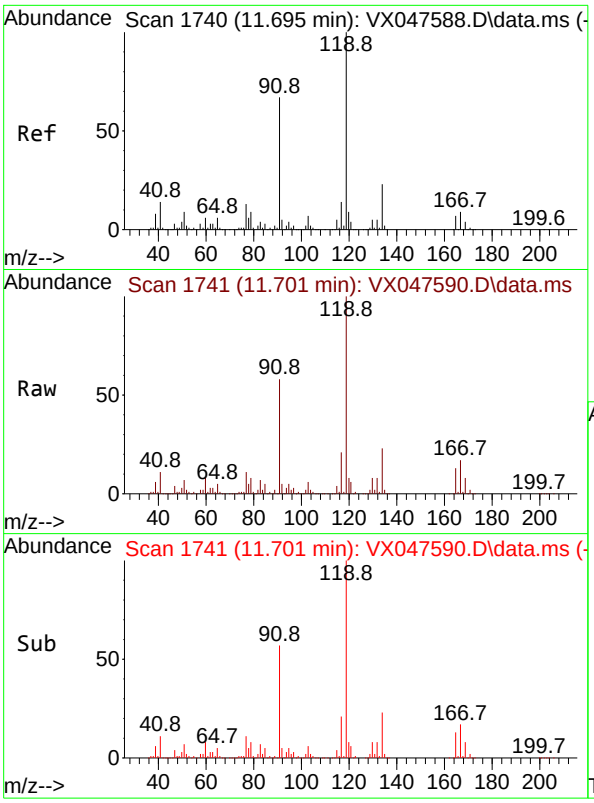


#82
4-Chlorotoluene
Concen: 151.112 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 1127233

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.2	42.6



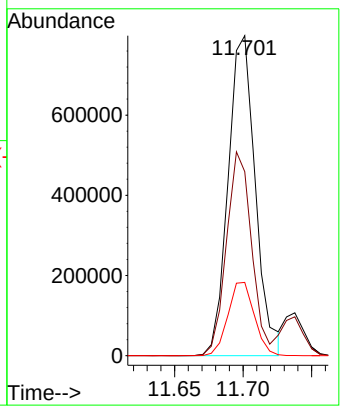


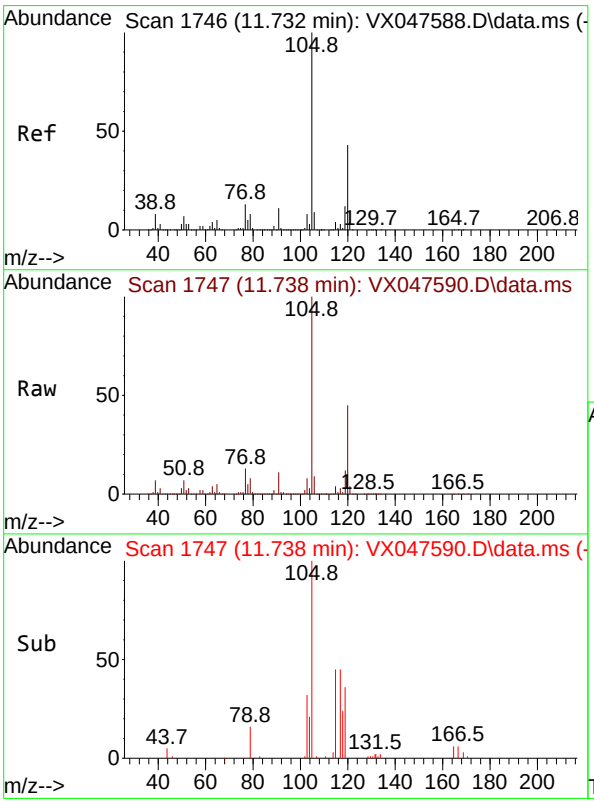
#83
tert-Butylbenzene
Concen: 150.819 ug/l
RT: 11.701 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 1106532

Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.6	88.8
134	22.3	11.0	33.0

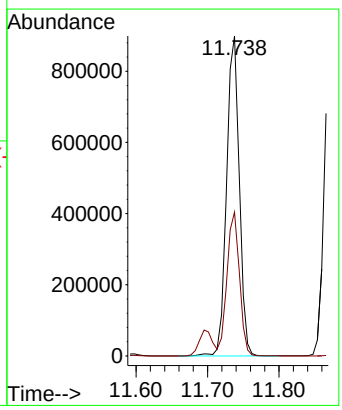


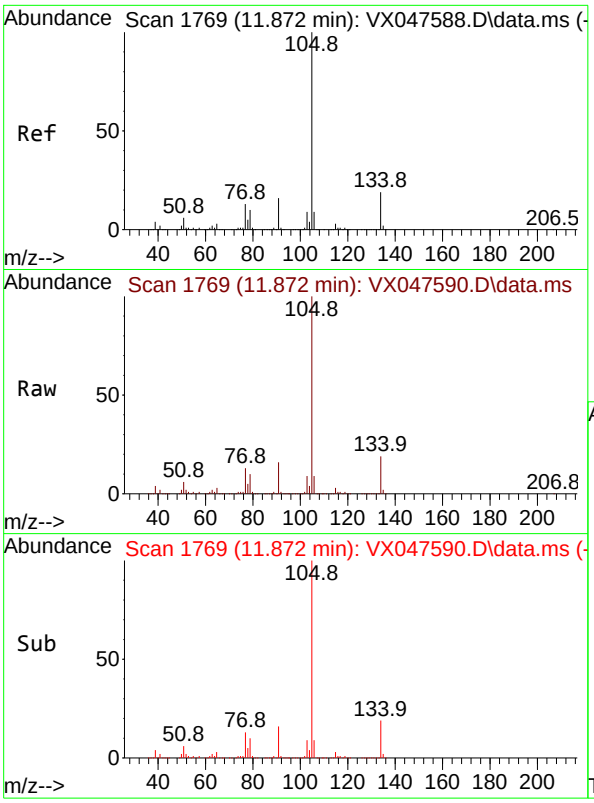


#84
1,2,4-Trimethylbenzene
Concen: 152.336 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:105 Resp: 1106914

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.1



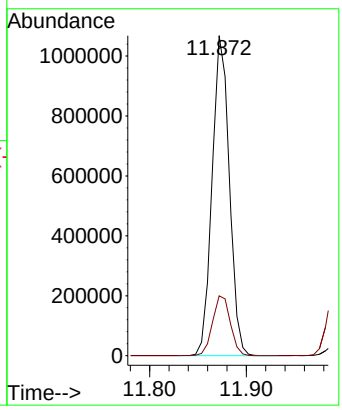


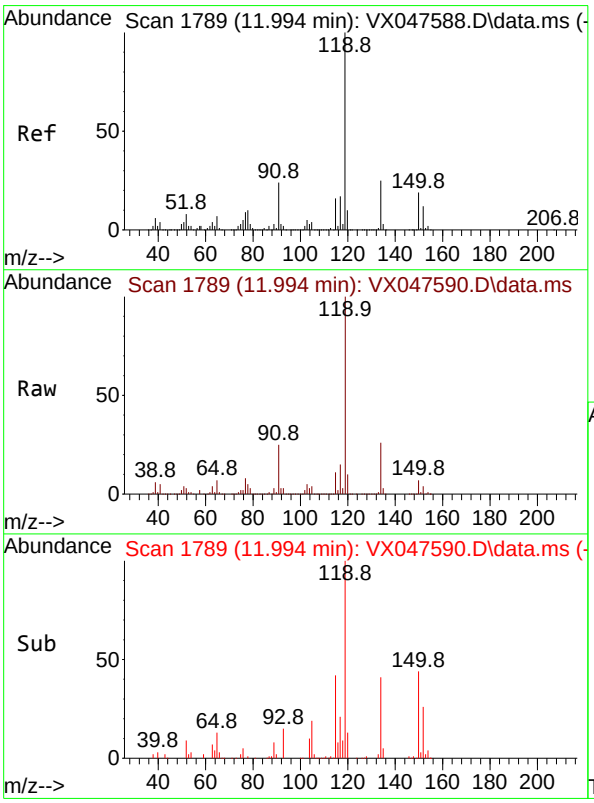
#85
sec-Butylbenzene
Concen: 151.448 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1319819

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5

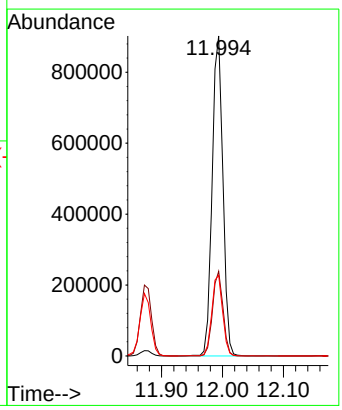


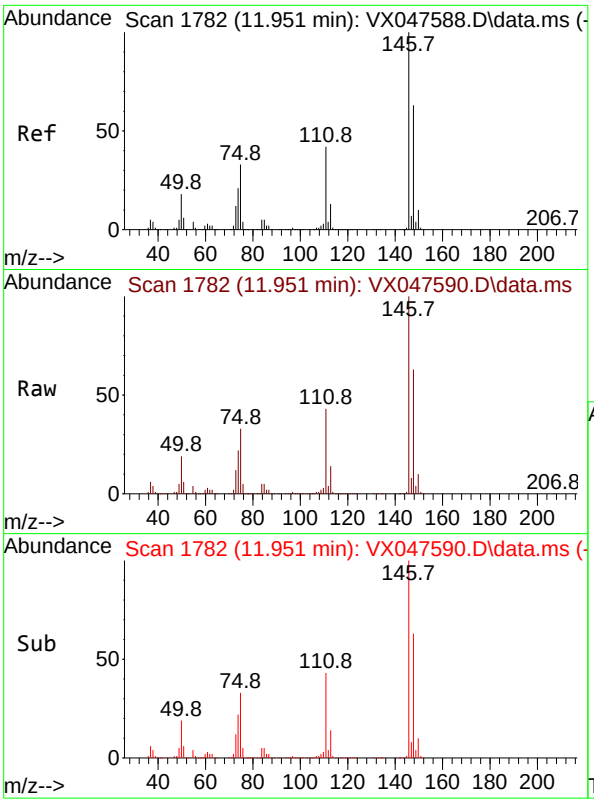


#86
p-Isopropyltoluene
Concen: 149.530 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:119 Resp: 1103210

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	25.3	12.6	37.6



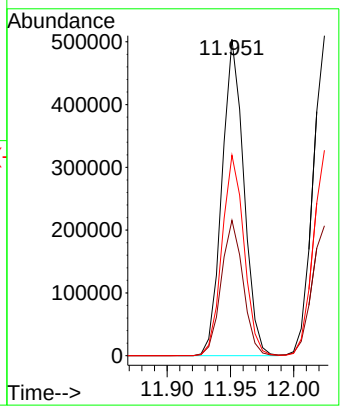


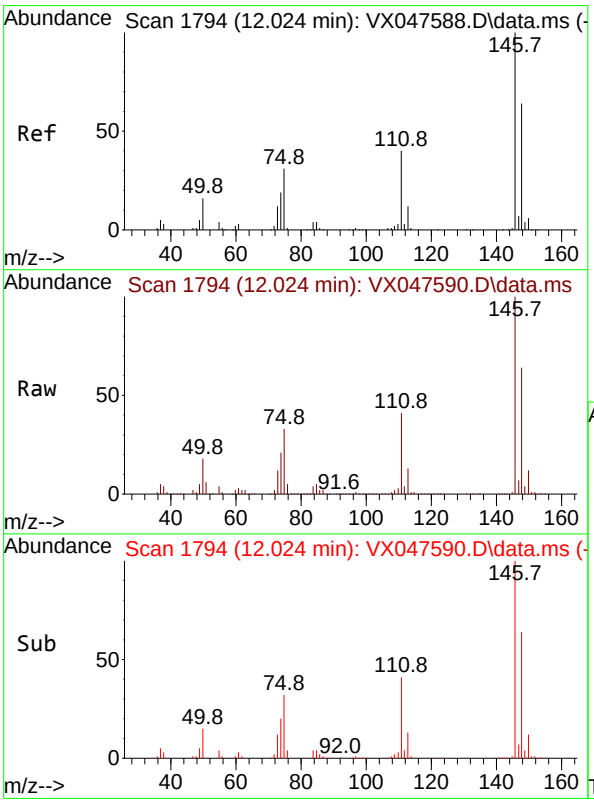
#87
1,3-Dichlorobenzene
Concen: 151.633 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 605123

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.5	64.5
148	63.8	32.0	96.0

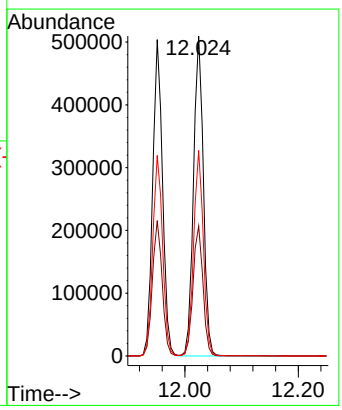


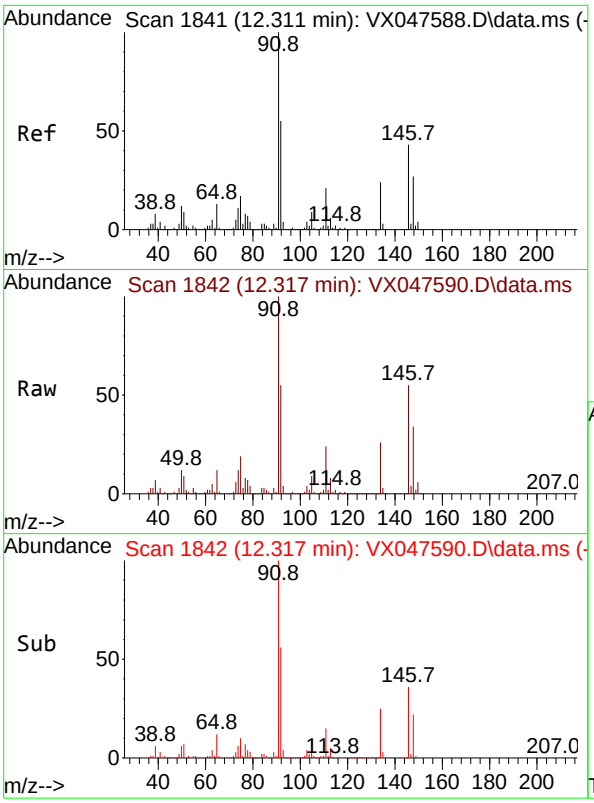


#88
1,4-Dichlorobenzene
Concen: 149.814 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:146 Resp: 613617

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.4
148	63.2	31.7	95.1



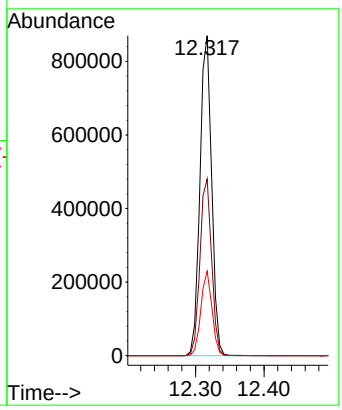


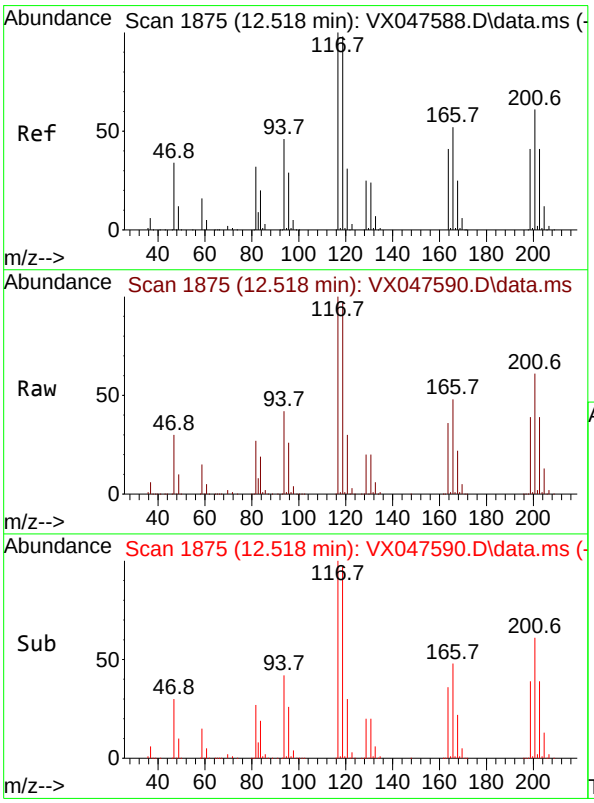
#89
n-Butylbenzene
Concen: 151.222 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1032357

Ion	Ratio	Lower	Upper
91	100		
92	55.2	27.6	82.7
134	25.2	12.6	37.8

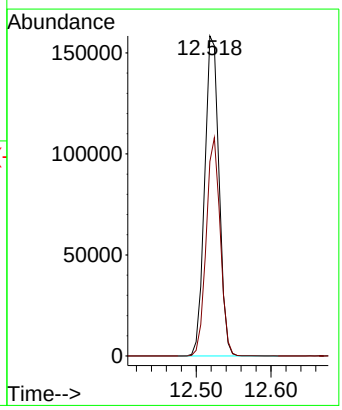


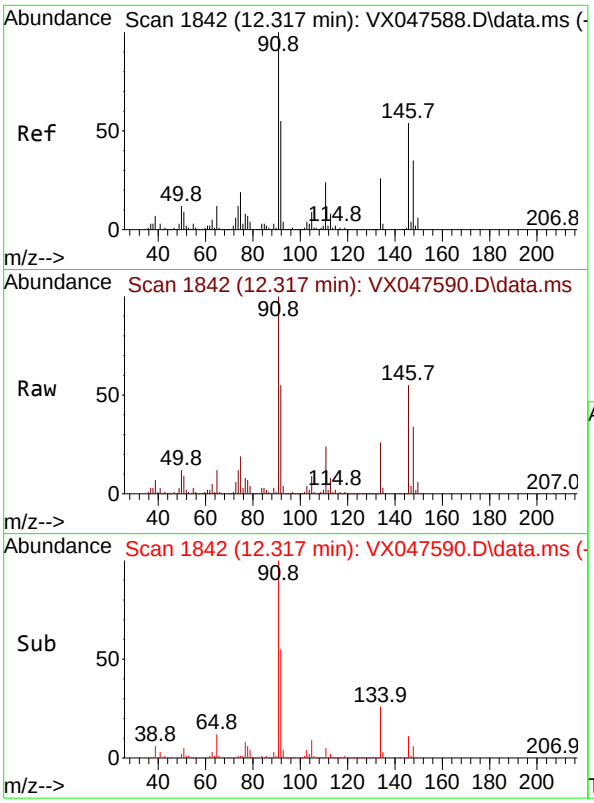


#90
Hexachloroethane
Concen: 163.258 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:117 Resp: 211472

Ion	Ratio	Lower	Upper
117	100		
201	66.6	34.2	102.5



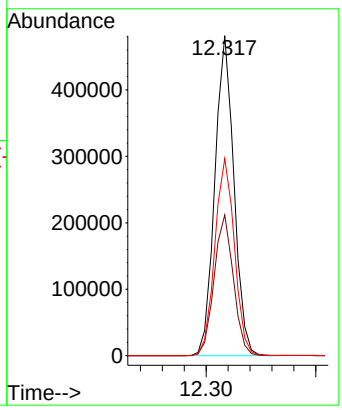


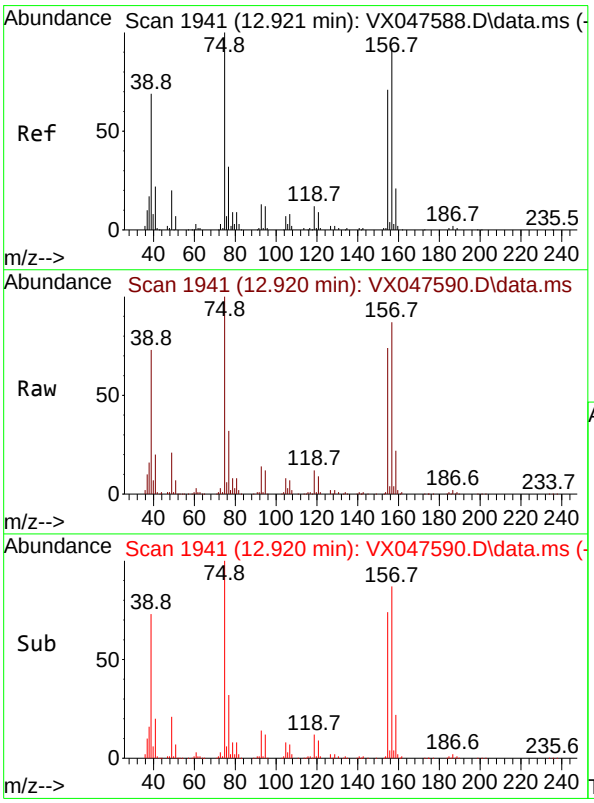
#91
1,2-Dichlorobenzene
Concen: 153.227 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 582565

Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.2	66.6
148	63.5	31.8	95.4

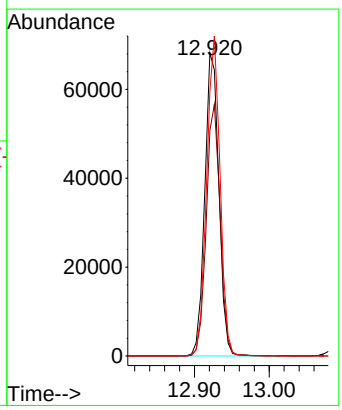


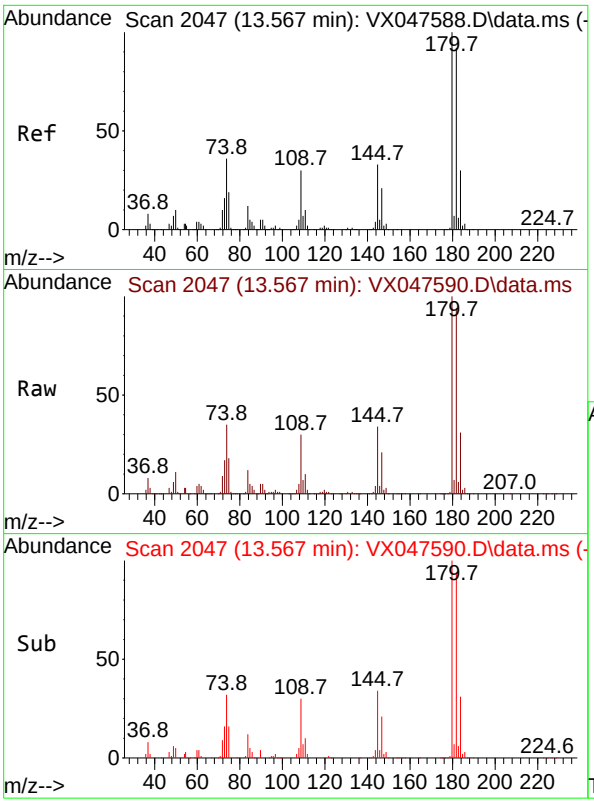


#92
1,2-Dibromo-3-Chloropropane
Concen: 167.332 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 89415

Ion	Ratio	Lower	Upper
75	100		
155	81.3	37.7	113.1
157	100.6	49.8	149.4



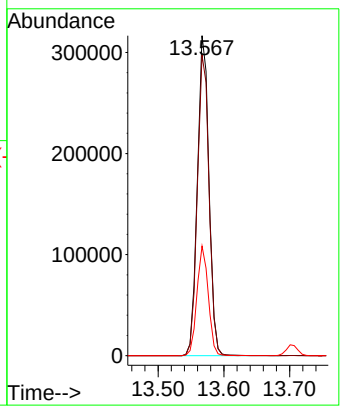


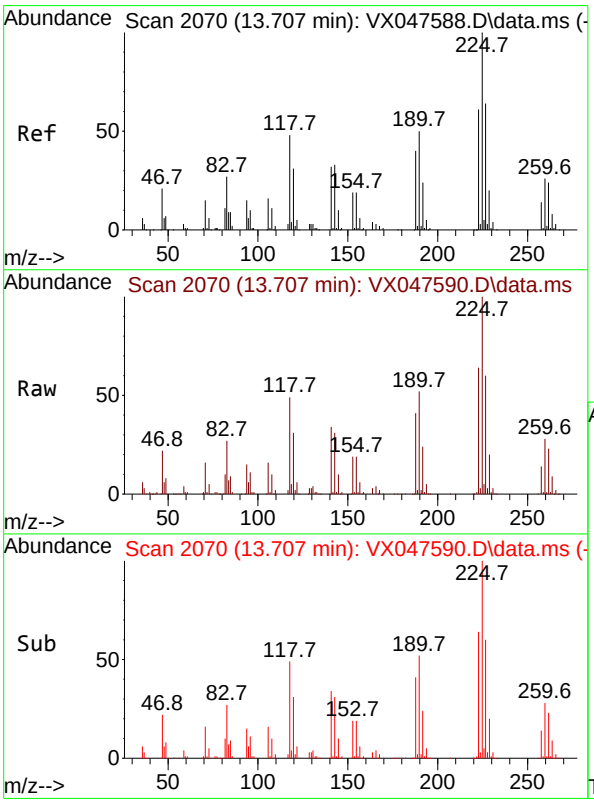
#93
1,2,4-Trichlorobenzene
Concen: 156.884 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 387652

Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.6	139.8
145	33.5	16.4	49.1

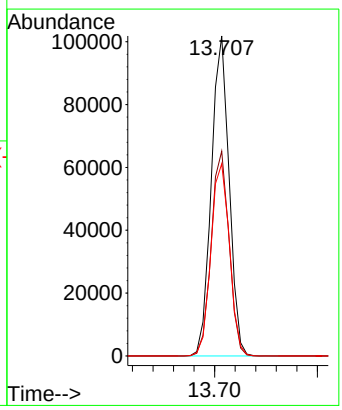


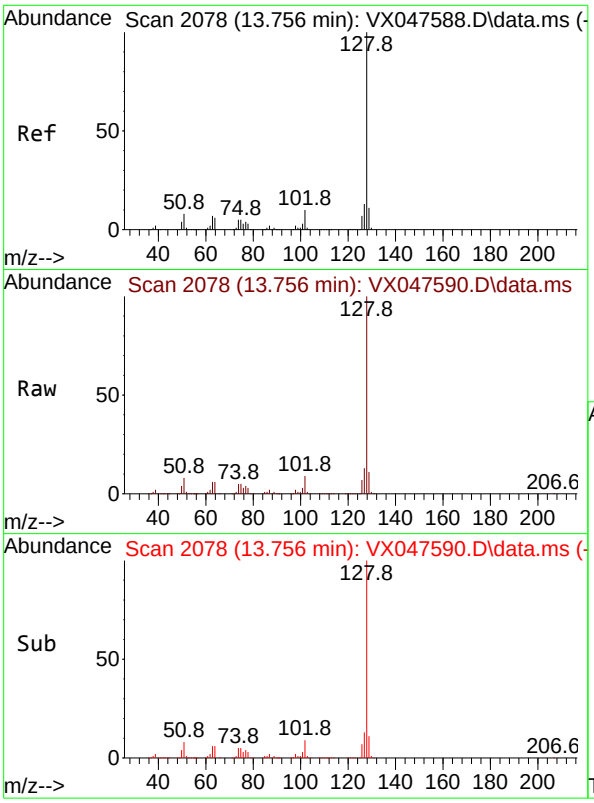


#94
Hexachlorobutadiene
Concen: 145.110 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:225 Resp: 121791

Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.7	95.1
227	62.8	32.0	96.0



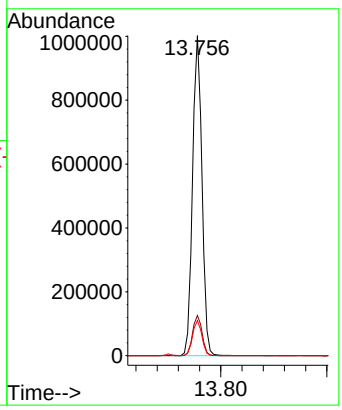


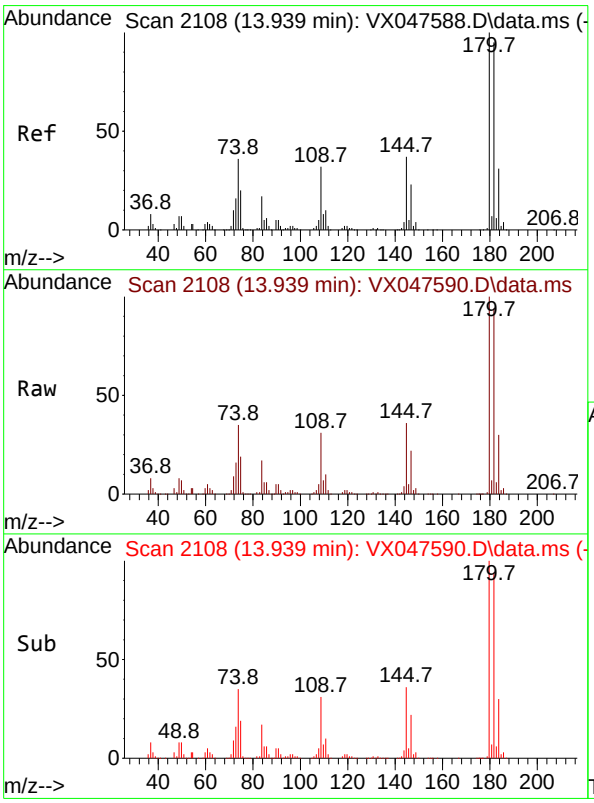
#95
Naphthalene
Concen: 163.388 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 1229363

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.8	13.2

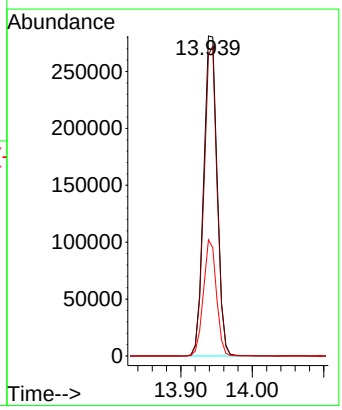




#96
1,2,3-Trichlorobenzene
Concen: 160.704 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:180 Resp: 369382

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.6	142.8
145	34.9	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 22 02:06:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	186484	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	331837	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	288660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	139252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	135209	45.550	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 91.100%			
35) Dibromofluoromethane	5.367	113	101390	45.559	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.120%			
50) Toluene-d8	8.634	98	357393	46.411	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 92.820%			
62) 4-Bromofluorobenzene	11.061	95	135957	46.520	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	86110	44.592	ug/l	94
3) Chloromethane	1.300	50	110935	43.710	ug/l	99
4) Vinyl Chloride	1.380	62	113742	45.783	ug/l	99
5) Bromomethane	1.617	94	76388	48.489	ug/l	99
6) Chloroethane	1.697	64	77337	46.575	ug/l	99
7) Trichlorofluoromethane	1.892	101	173647	47.074	ug/l	98
8) Diethyl Ether	2.136	74	70459	46.693	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	104663	48.524	ug/l	99
10) Methyl Iodide	2.453	142	155450	46.210	ug/l	99
11) Tert butyl alcohol	2.940	59	84722	256.271	ug/l	100
12) 1,1-Dichloroethene	2.325	96	104302	47.076	ug/l	98
13) Acrolein	2.233	56	77645	254.867	ug/l	99
14) Allyl chloride	2.666	41	213704	46.742	ug/l	99
15) Acrylonitrile	3.056	53	310505	253.567	ug/l	99
16) Acetone	2.373	43	316217	245.006	ug/l	97
17) Carbon Disulfide	2.514	76	272741	44.966	ug/l	97
18) Methyl Acetate	2.697	43	158480	55.175	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	392574	48.538	ug/l	100
20) Methylene Chloride	2.788	84	125669	46.000	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	111418	46.709	ug/l	99
22) Diisopropyl ether	3.745	45	426854	48.174	ug/l #	83
23) Vinyl Acetate	3.709	43	1741267	245.539	ug/l	99
24) 1,1-Dichloroethane	3.599	63	226249	48.041	ug/l	99
25) 2-Butanone	4.532	43	408273	253.598	ug/l	97
26) 2,2-Dichloropropane	4.458	77	193760	49.494	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	142635	48.826	ug/l	99
28) Bromochloromethane	4.879	49	95782	46.586	ug/l	99
29) Tetrahydrofuran	4.983	42	245392	253.375	ug/l	99
30) Chloroform	5.074	83	231954	48.739	ug/l	99
31) Cyclohexane	5.458	56	180430	45.999	ug/l	99
32) 1,1,1-Trichloroethane	5.367	97	197711	48.978	ug/l	100
36) 1,1-Dichloropropene	5.678	75	151745	46.663	ug/l	99
37) Ethyl Acetate	4.690	43	171454	49.241	ug/l	98
38) Carbon Tetrachloride	5.659	117	165834	46.935	ug/l	95
39) Methylcyclohexane	7.360	83	179392	48.597	ug/l	98
40) Benzene	6.019	78	467748	47.357	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 22 02:06:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.897	41	90758	50.490	ug/l		98
42) 1,2-Dichloroethane	6.068	62	176131	46.867	ug/l		100
43) Isopropyl Acetate	6.318	43	280595	49.136	ug/l		100
44) Trichloroethene	7.104	130	114708	48.037	ug/l		98
45) 1,2-Dichloropropane	7.409	63	121532	48.053	ug/l		98
46) Dibromomethane	7.562	93	88297	47.976	ug/l		98
47) Bromodichloromethane	7.799	83	185219	48.769	ug/l		96
48) Methyl methacrylate	7.671	41	141532	49.757	ug/l		99
49) 1,4-Dioxane	7.641	88	31320	1089.520	ug/l		98
51) 4-Methyl-2-Pentanone	8.555	43	809759	255.752	ug/l		100
52) Toluene	8.702	92	292879	48.130	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	191863	49.527	ug/l		100
54) cis-1,3-Dichloropropene	8.348	75	203954	49.257	ug/l		97
55) 1,1,2-Trichloroethane	9.134	97	112094	47.772	ug/l		98
56) Ethyl methacrylate	9.098	69	189741	51.490	ug/l		99
57) 1,3-Dichloropropane	9.293	76	197079	48.894	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	394205	225.562	ug/l		99
59) 2-Hexanone	9.415	43	575599	253.126	ug/l		99
60) Dibromochloromethane	9.506	129	134704	49.824	ug/l		99
61) 1,2-Dibromoethane	9.592	107	117817	49.297	ug/l		99
64) Tetrachloroethene	9.256	164	90881	48.296	ug/l		98
65) Chlorobenzene	10.061	112	318372	48.549	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.146	131	110416	48.794	ug/l		98
67) Ethyl Benzene	10.177	91	563634	49.813	ug/l		99
68) m/p-Xylenes	10.287	106	416757	98.956	ug/l		99
69) o-Xylene	10.622	106	204323	50.159	ug/l		99
70) Styrene	10.640	104	353567	49.536	ug/l		99
71) Bromoform	10.780	173	86524	51.207	ug/l	#	98
73) Isopropylbenzene	10.945	105	523826	49.479	ug/l		100
74) N-amyl acetate	10.823	43	243198	50.375	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	159676	49.851	ug/l		99
76) 1,2,3-Trichloropropane	11.219	75	184000	65.262	ug/l		89
77) Bromobenzene	11.183	156	125610	48.173	ug/l		98
78) n-propylbenzene	11.286	91	616928	49.295	ug/l		99
79) 2-Chlorotoluene	11.347	91	376486	49.117	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	435375	50.055	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	55880	50.543	ug/l		99
82) 4-Chlorotoluene	11.433	91	445075	49.164	ug/l		100
83) tert-Butylbenzene	11.695	119	442341	49.679	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	440134	49.911	ug/l		99
85) sec-Butylbenzene	11.872	105	529869	50.100	ug/l		100
86) p-Isopropyltoluene	11.994	119	446441	49.861	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	237383	49.014	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	243618	49.011	ug/l		99
89) n-Butylbenzene	12.317	91	420478	50.752	ug/l		100
90) Hexachloroethane	12.518	117	79751	50.732	ug/l		99
91) 1,2-Dichlorobenzene	12.317	146	227493	49.304	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	33020	50.918	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	153333	51.133	ug/l		100
94) Hexachlorobutadiene	13.707	225	53099	52.131	ug/l		99
95) Naphthalene	13.756	128	464206	50.836	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	142413	51.054	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 22 02:06:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

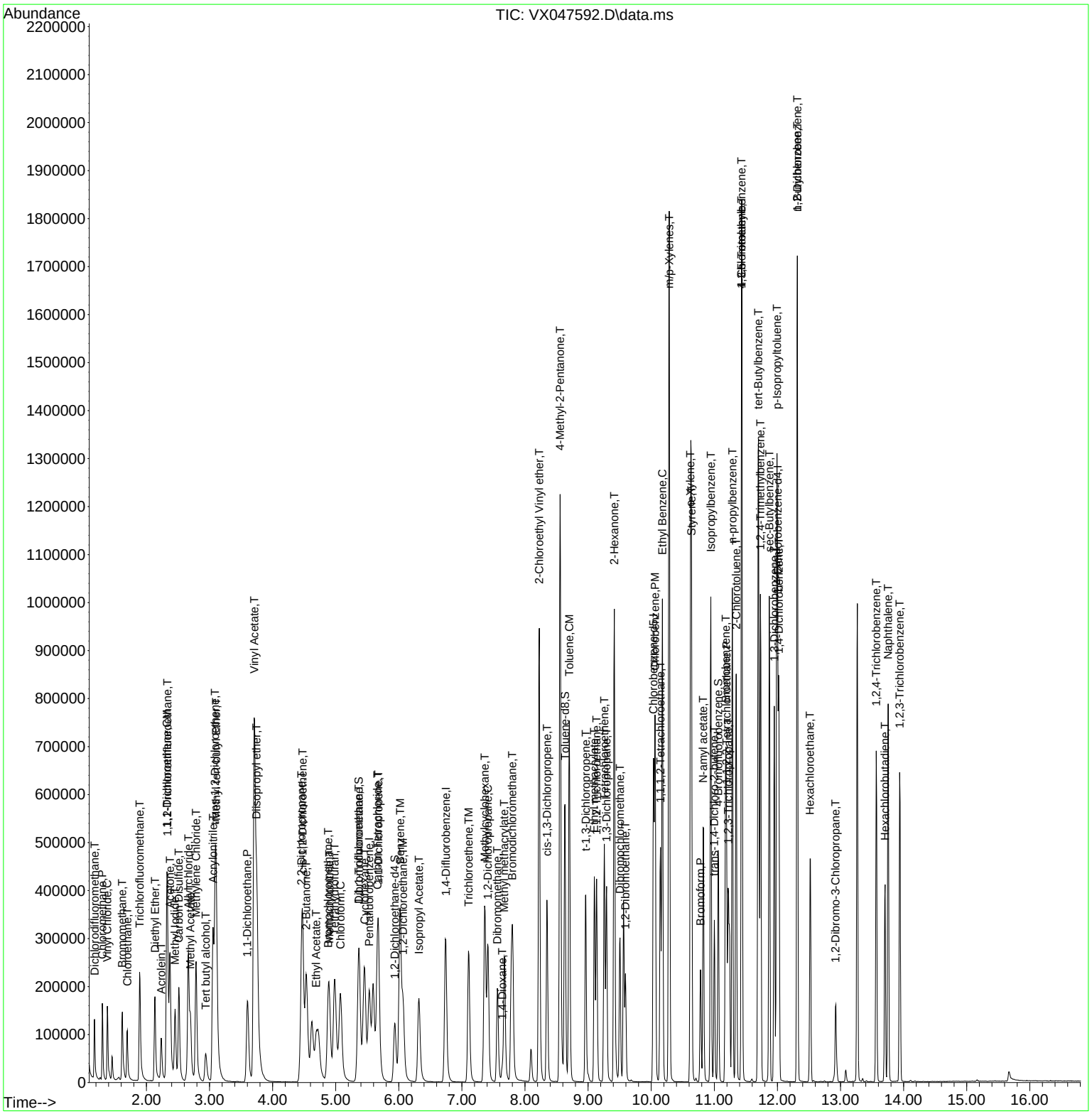
(#) = qualifier out of range (m) = manual integration (+) = signals summed

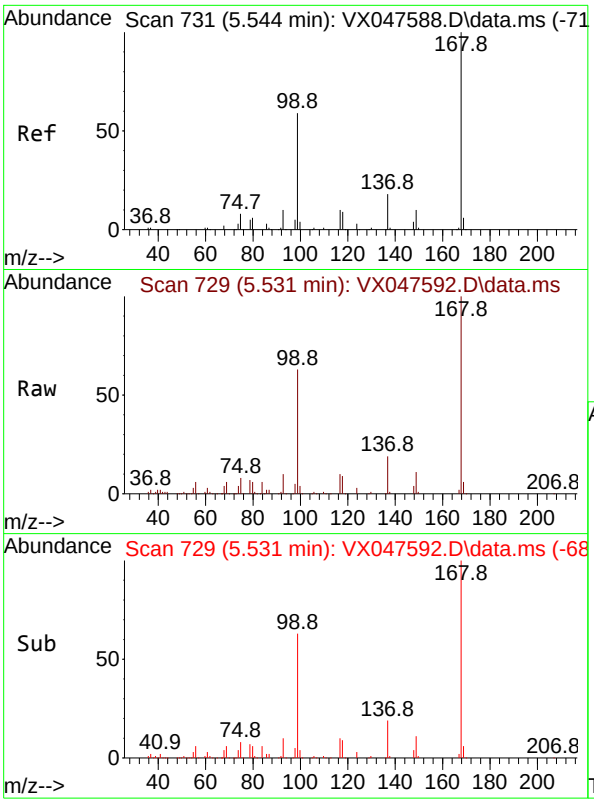
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 22 02:06:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



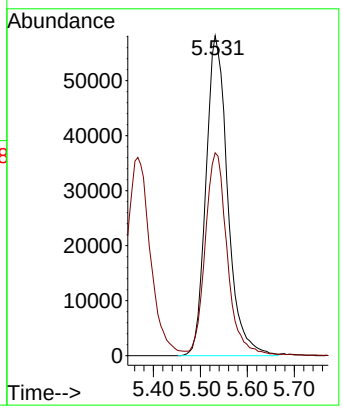


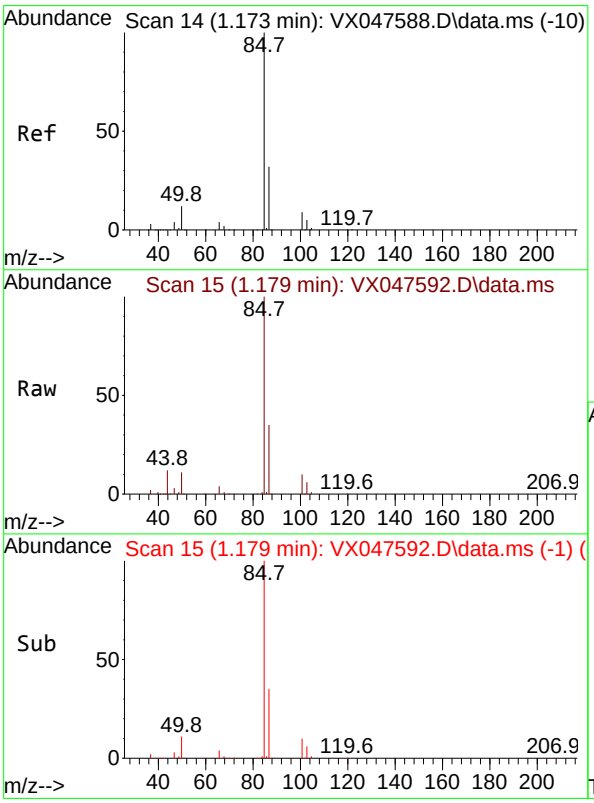
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:168 Resp: 186484

Ion	Ratio	Lower	Upper
168	100		
99	62.9	48.8	73.2

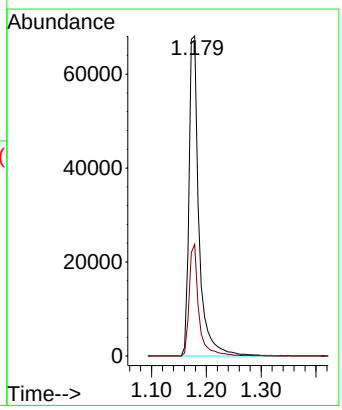


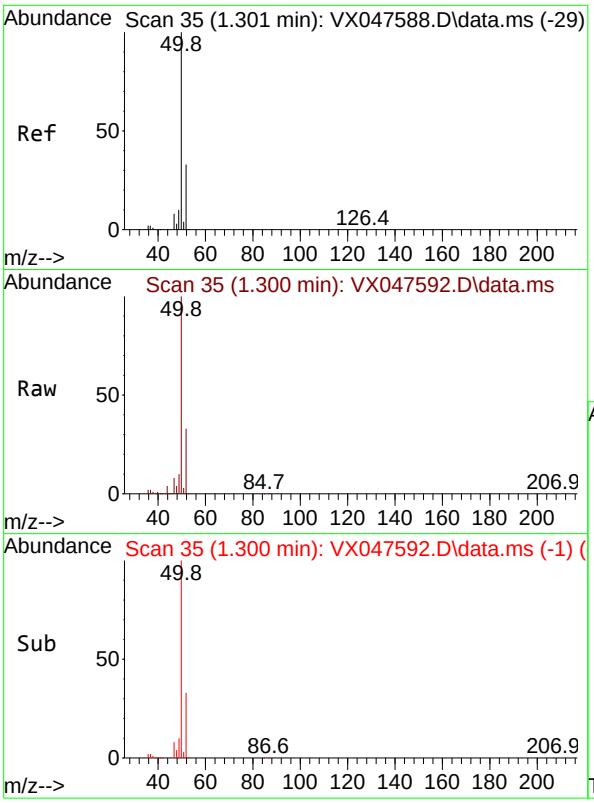


#2
Dichlorodifluoromethane
Concen: 44.592 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 85 Resp: 86110

Ion	Ratio	Lower	Upper
85	100		
87	34.9	15.8	47.3



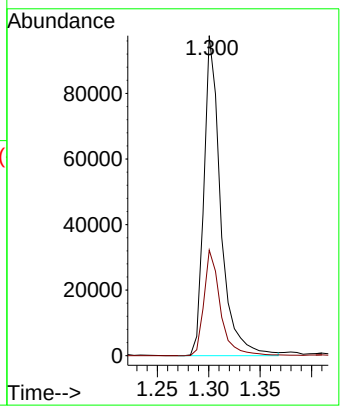


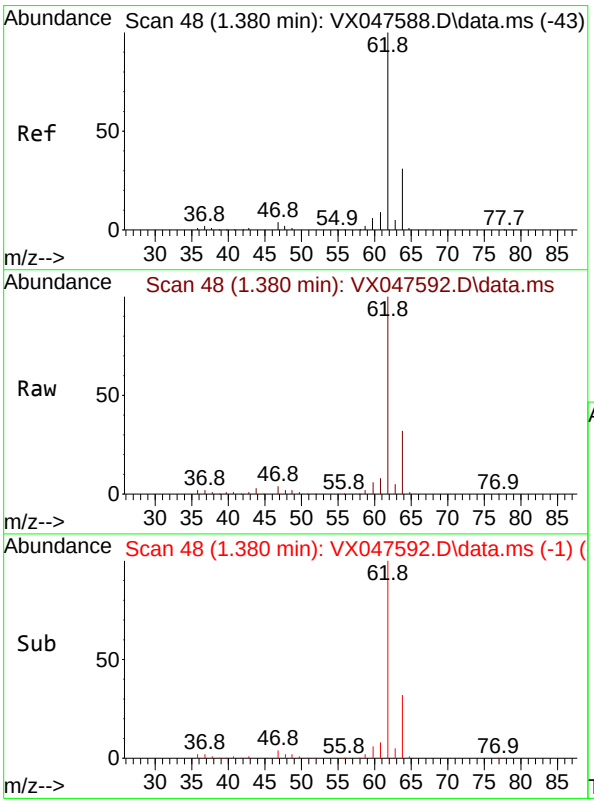
#3
Chloromethane
Concen: 43.710 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 50 Resp: 110935

Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.1	39.1

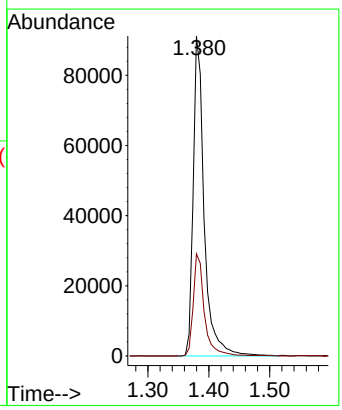


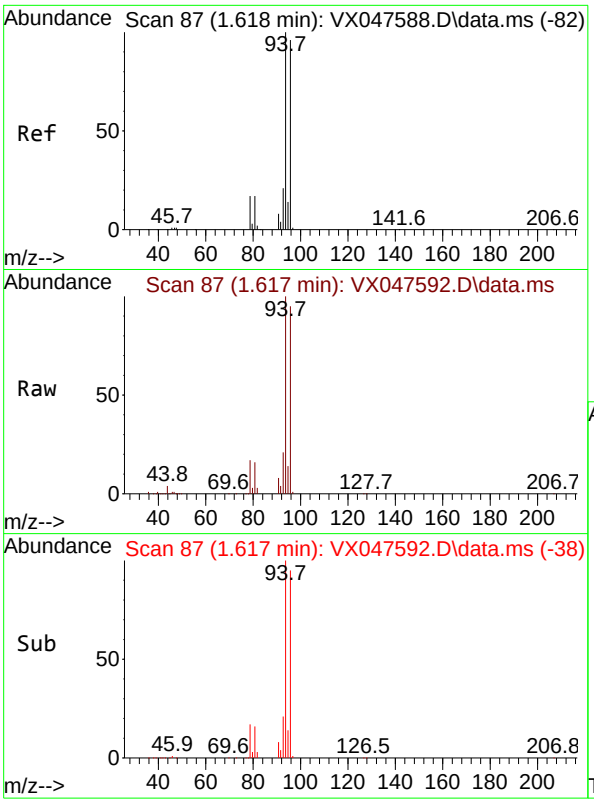


#4
Vinyl Chloride
Concen: 45.783 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 62 Resp: 113742

Ion	Ratio	Lower	Upper
62	100		
64	31.9	24.9	37.3



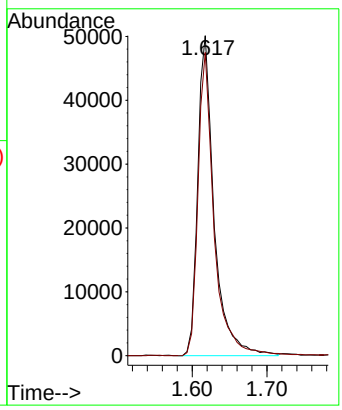


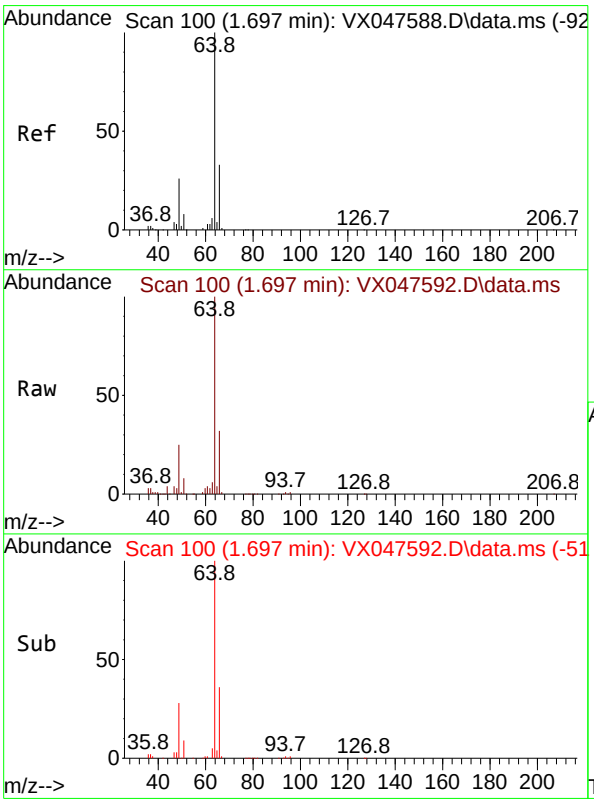
#5
Bromomethane
Concen: 48.489 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 94 Resp: 76388

Ion	Ratio	Lower	Upper
94	100		
96	94.7	76.6	115.0

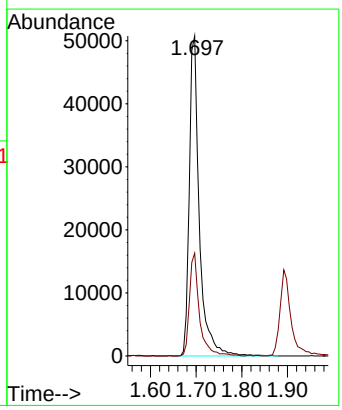


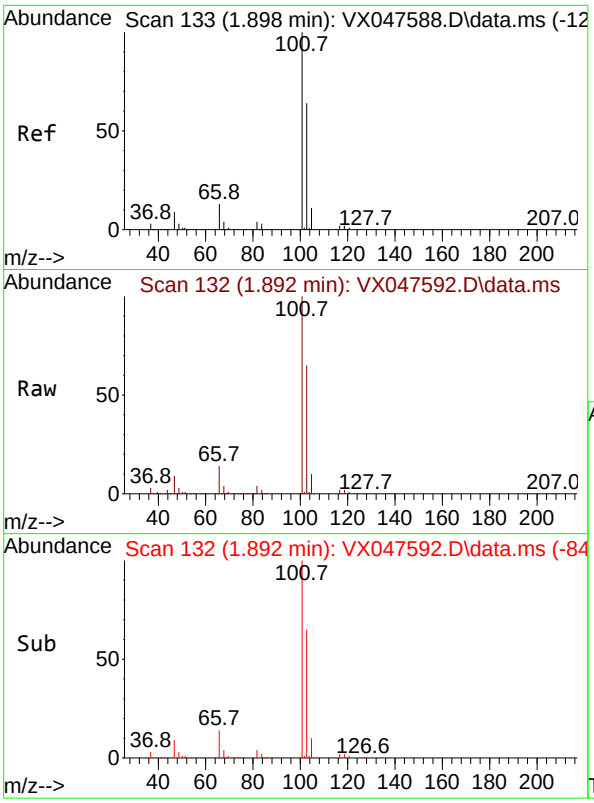


#6
Chloroethane
Concen: 46.575 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 64 Resp: 77337

Ion	Ratio	Lower	Upper
64	100		
66	32.1	26.1	39.1



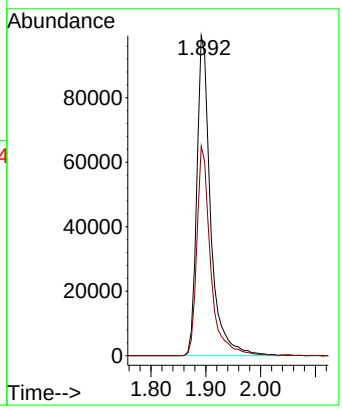


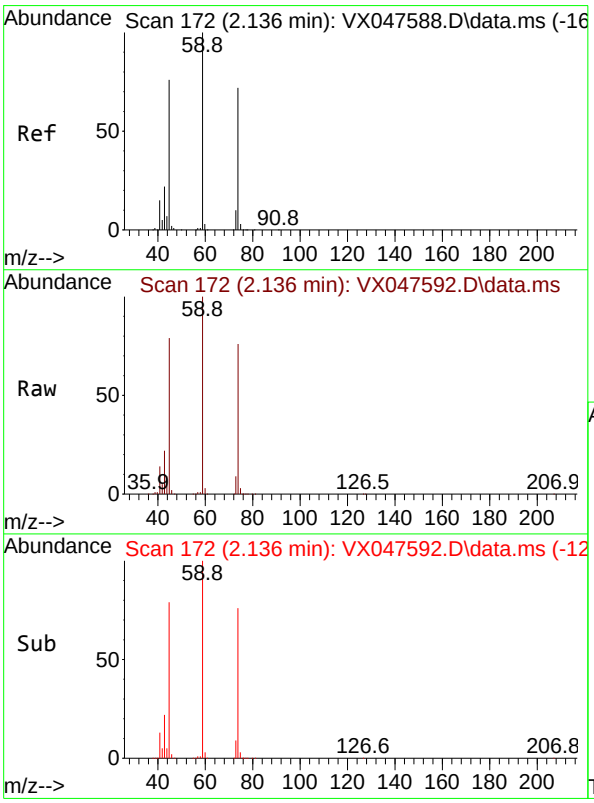
#7
Trichlorofluoromethane
Concen: 47.074 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:101 Resp: 173647

Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.4	77.2

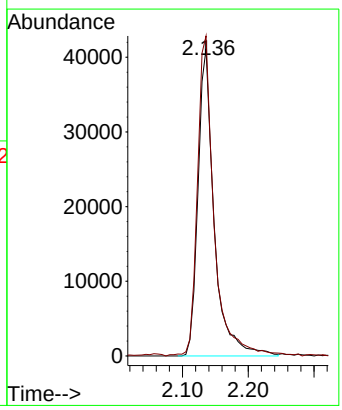


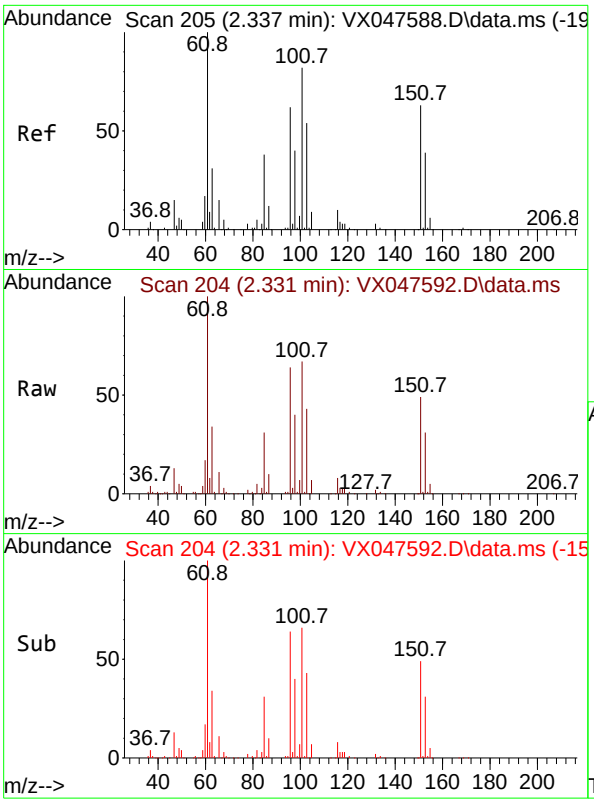


#8
Diethyl Ether
Concen: 46.693 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 74 Resp: 70459

Ion	Ratio	Lower	Upper
74	100		
45	107.1	52.3	156.8



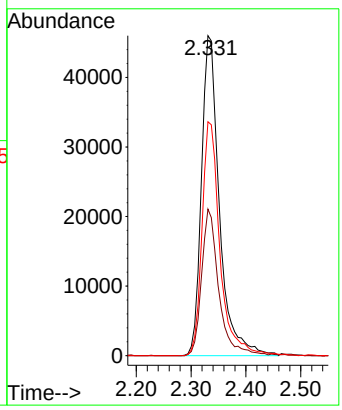


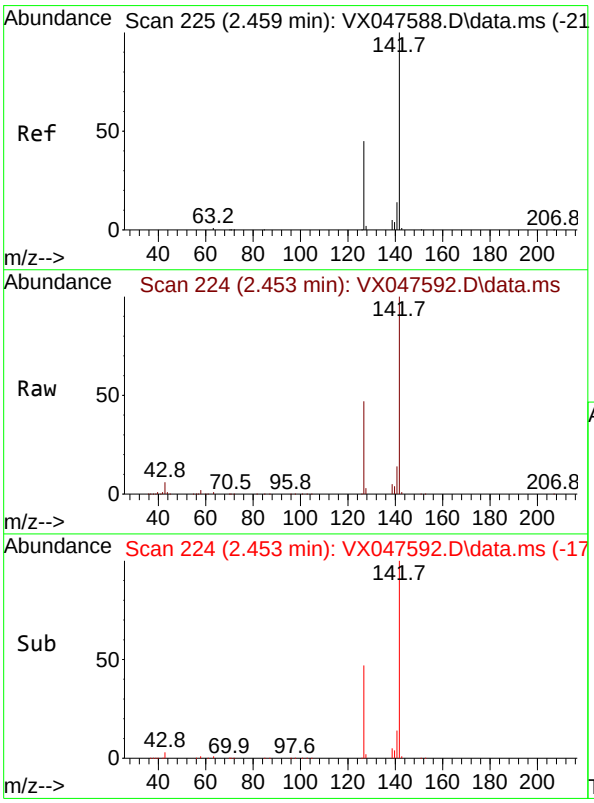
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.524 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:101 Resp: 104663

Ion	Ratio	Lower	Upper
101	100		
85	44.1	35.5	53.3
151	73.3	59.4	89.0

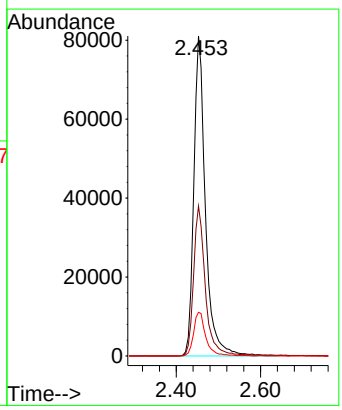


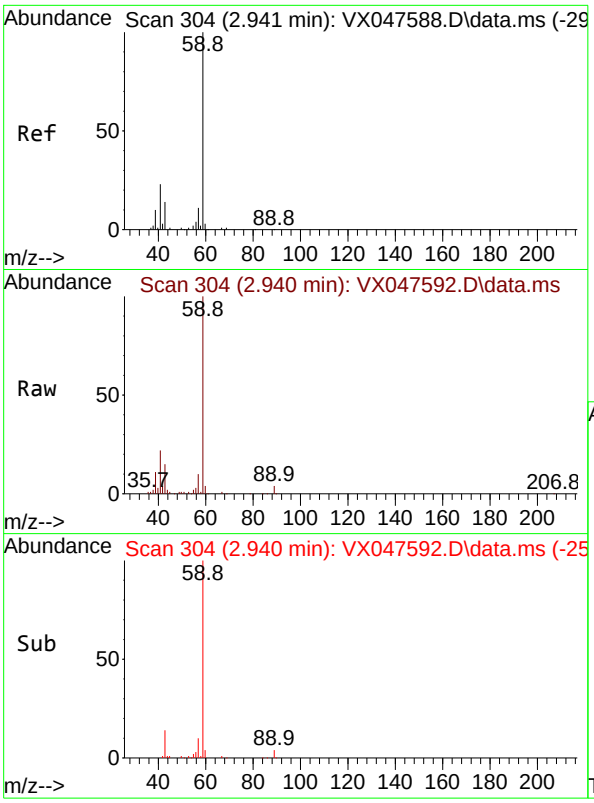


#10
Methyl Iodide
Concen: 46.210 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:142 Resp: 155450

Ion	Ratio	Lower	Upper
142	100		
127	47.6	37.2	55.8
141	14.4	11.4	17.0



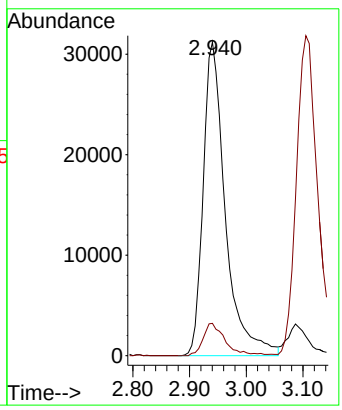


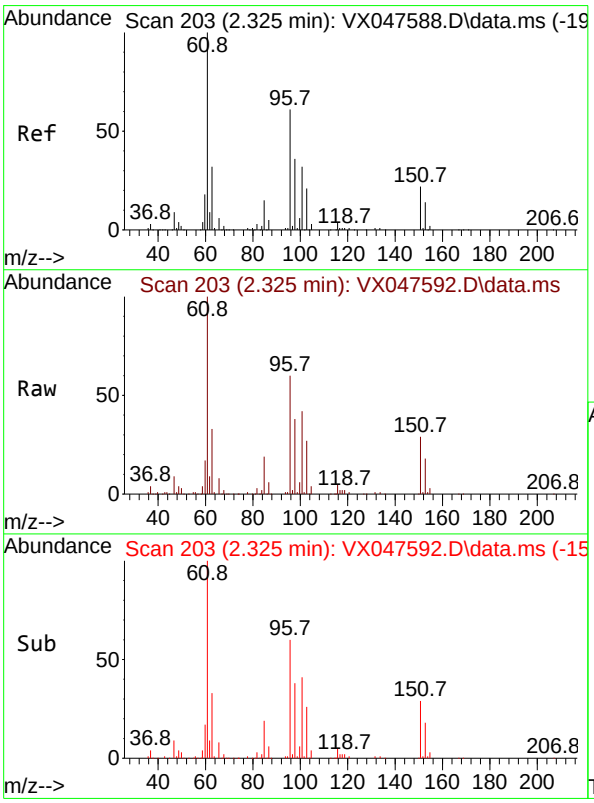
#11
Tert butyl alcohol
Concen: 256.271 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 59 Resp: 84722

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.3	12.5

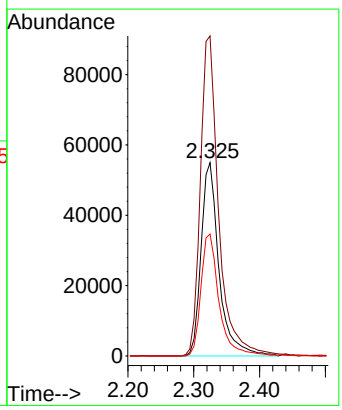


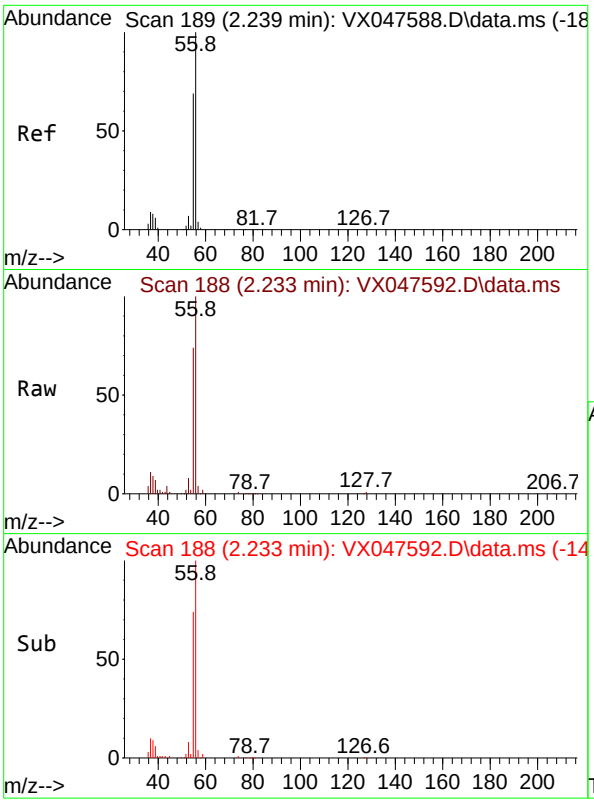


#12
1,1-Dichloroethene
Concen: 47.076 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 96 Resp: 104302

Ion	Ratio	Lower	Upper
96	100		
61	165.6	131.0	196.6
98	63.1	47.7	71.5



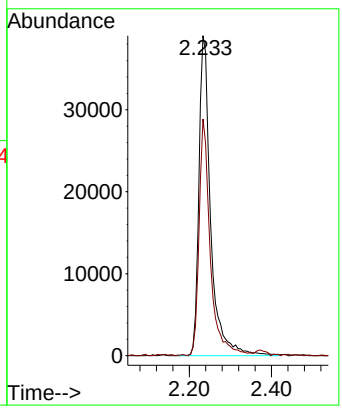


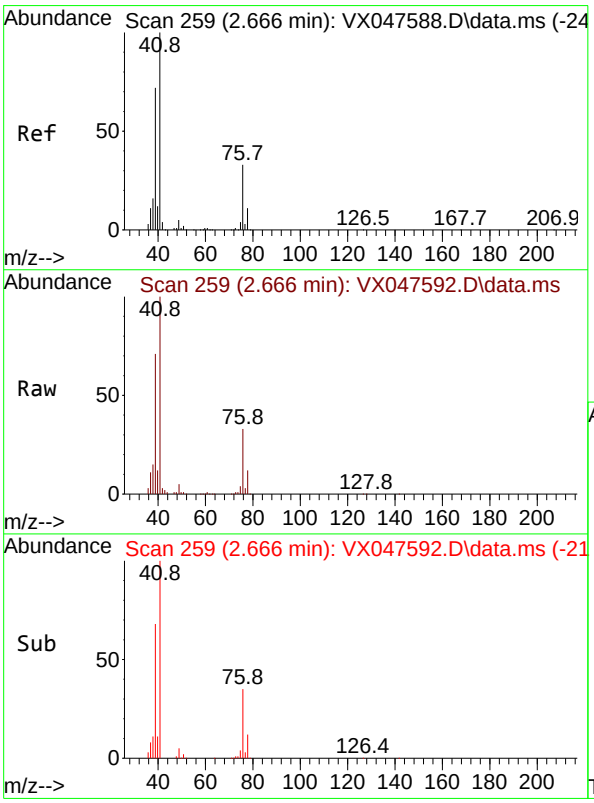
#13
Acrolein
Concen: 254.867 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 56 Resp: 77645

Ion	Ratio	Lower	Upper
56	100		
55	70.3	57.2	85.8

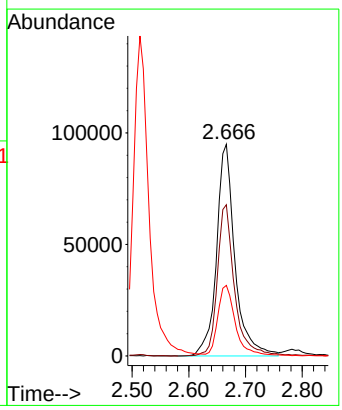


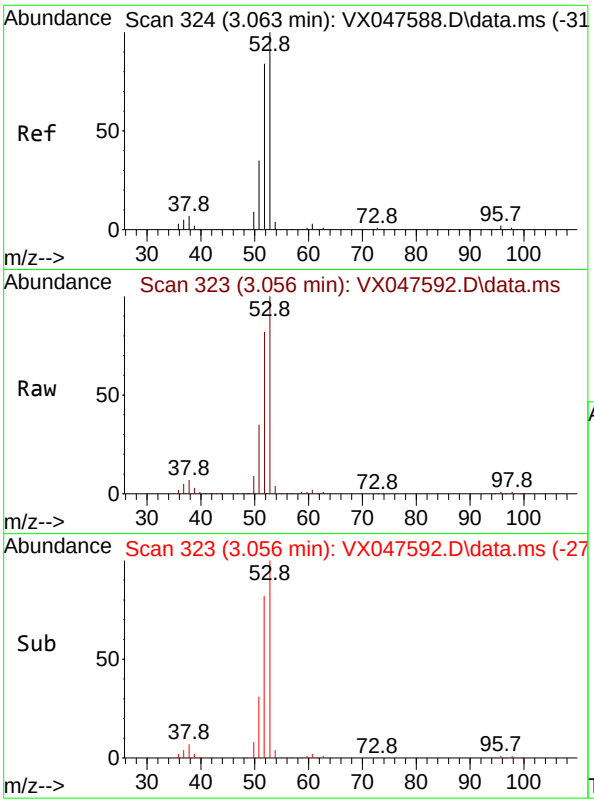


#14
Allyl chloride
Concen: 46.742 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 41 Resp: 213704

Ion	Ratio	Lower	Upper
41	100		
39	67.2	54.7	82.1
76	31.7	25.7	38.5



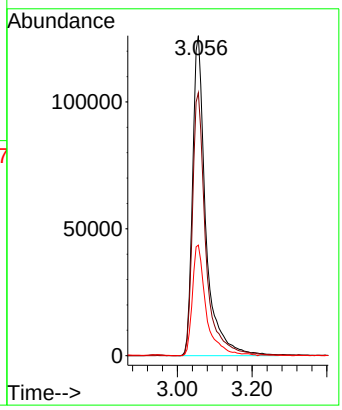


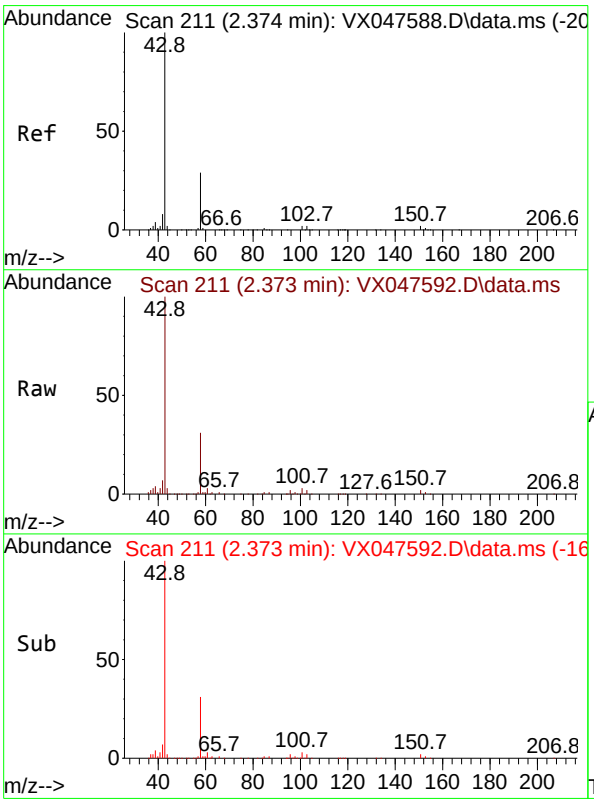
#15
Acrylonitrile
Concen: 253.567 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 53 Resp: 310505

Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.4	99.6
51	36.2	29.5	44.3

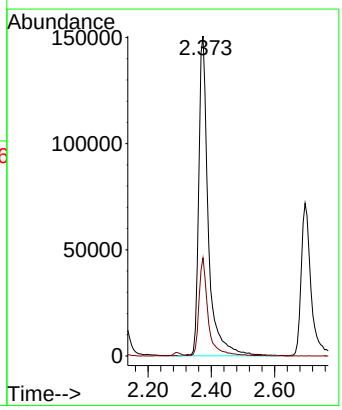


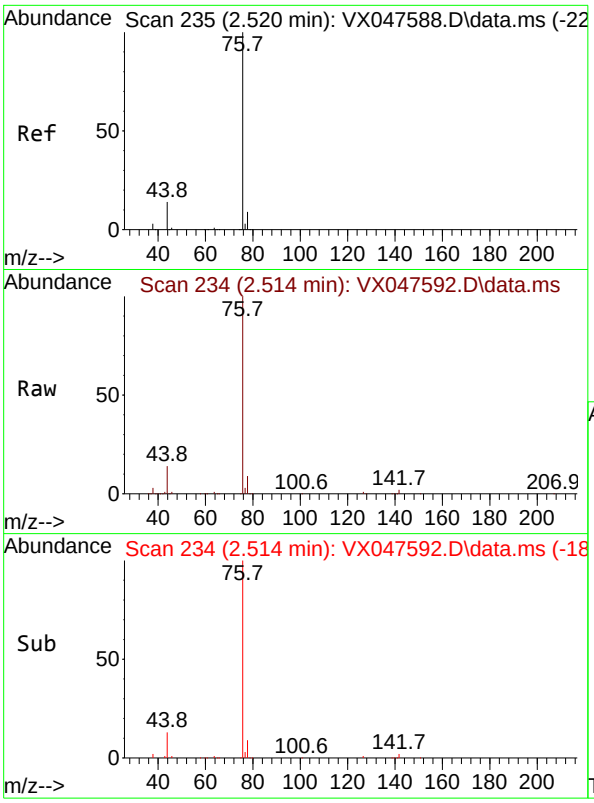


#16
Acetone
Concen: 245.006 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 316217

Ion	Ratio	Lower	Upper
43	100		
58	30.6	23.4	35.0



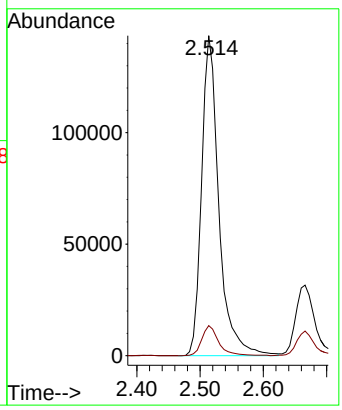


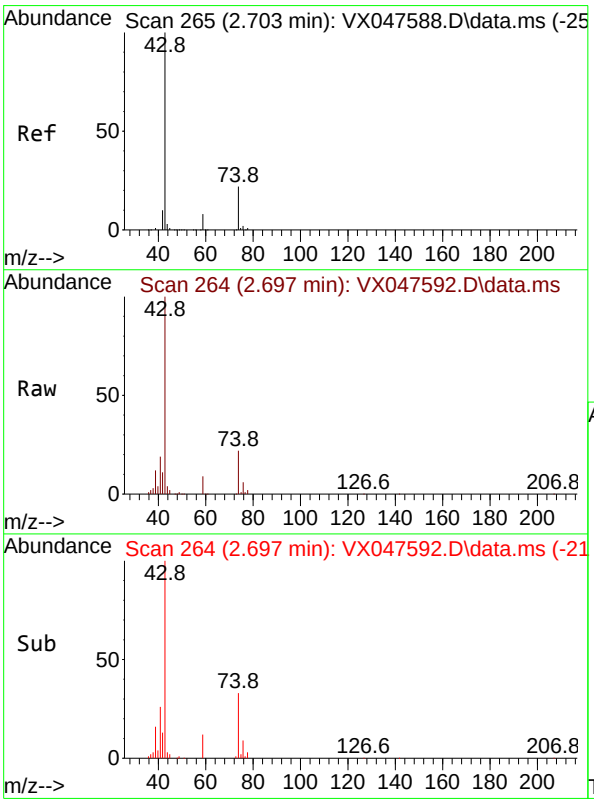
#17
Carbon Disulfide
Concen: 44.966 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 76 Resp: 272741

Ion	Ratio	Lower	Upper
76	100		
78	9.6	6.8	10.2

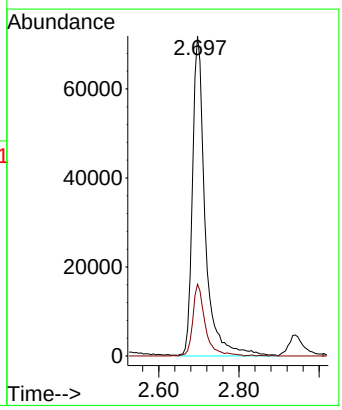


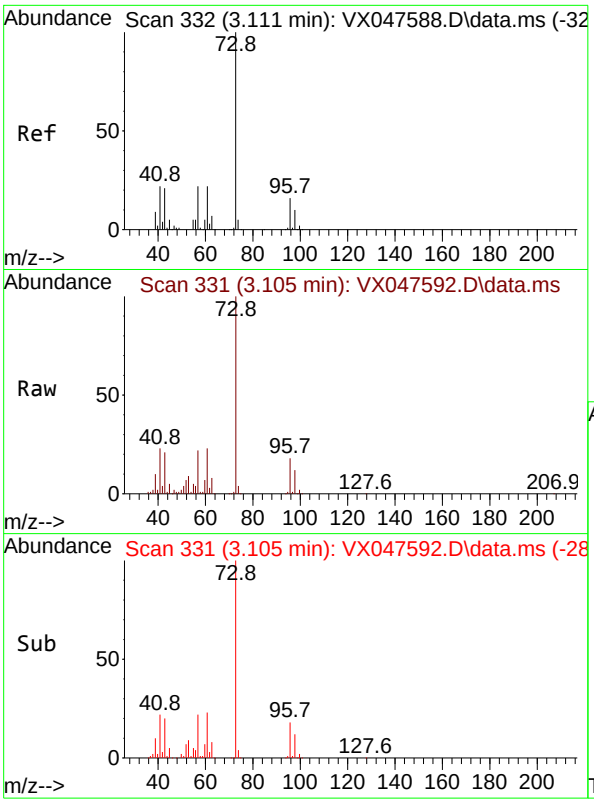


#18
Methyl Acetate
Concen: 55.175 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 158480

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2



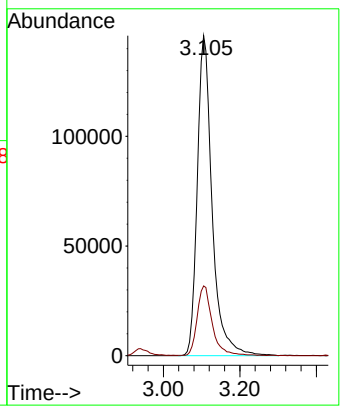


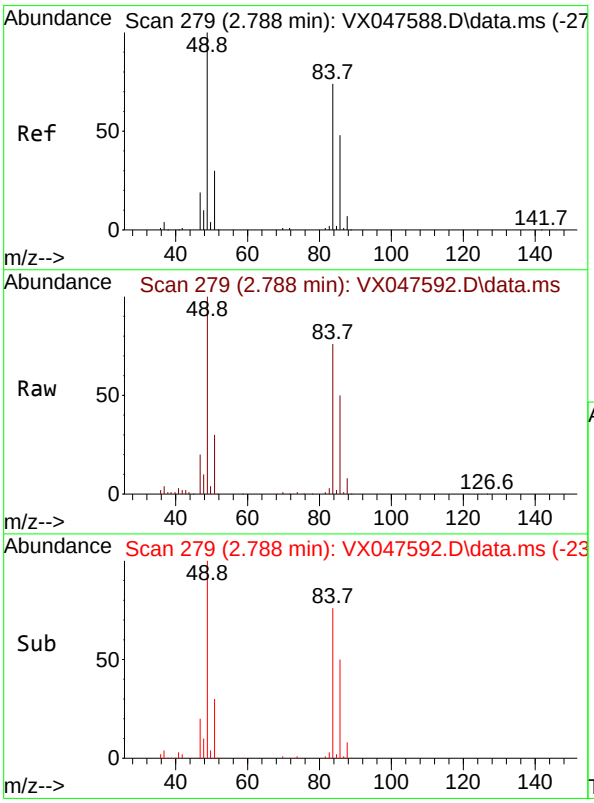
#19
Methyl tert-butyl Ether
Concen: 48.538 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 73 Resp: 392574

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.2

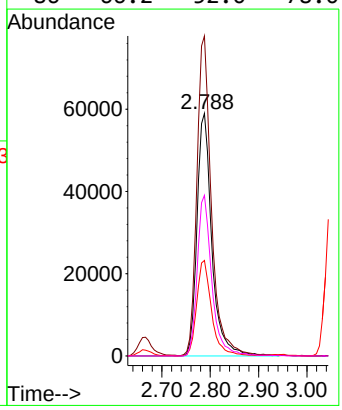


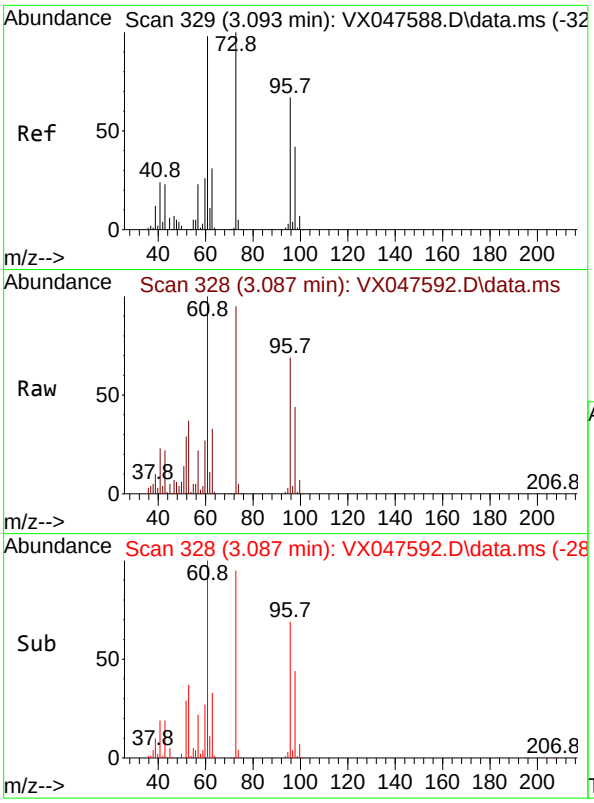


#20
Methylene Chloride
Concen: 46.000 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 84 Resp: 125669

Ion	Ratio	Lower	Upper
84	100		
49	131.8	108.6	162.8
51	39.4	32.6	48.8
86	66.2	52.0	78.0



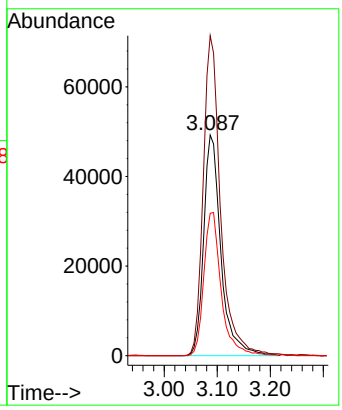


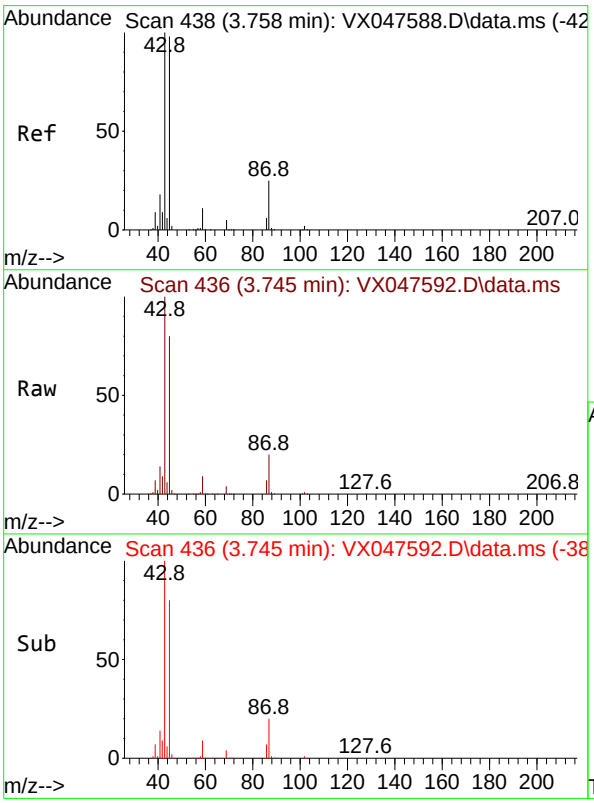
#21
trans-1,2-Dichloroethene
Concen: 46.709 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 96 Resp: 111418

Ion	Ratio	Lower	Upper
96	100		
61	145.1	116.2	174.2
98	64.5	49.3	73.9

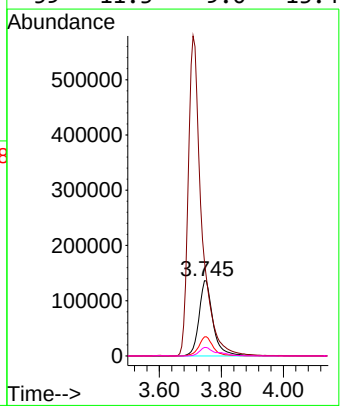


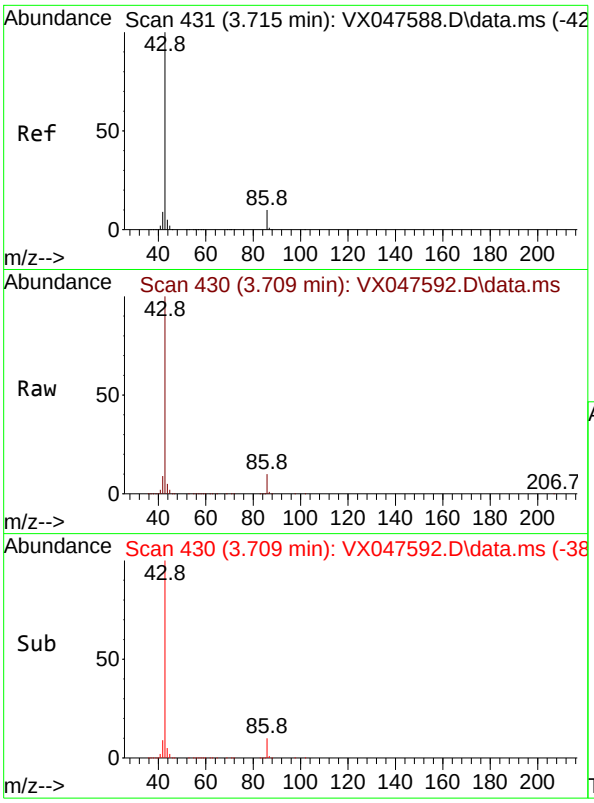


#22
Diisopropyl ether
Concen: 48.174 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 45 Resp: 426854

Ion	Ratio	Lower	Upper
45	100		
43	124.9	81.0	121.4#
87	25.2	20.3	30.5
59	11.3	9.0	13.4



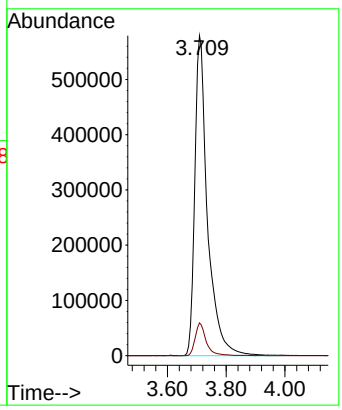


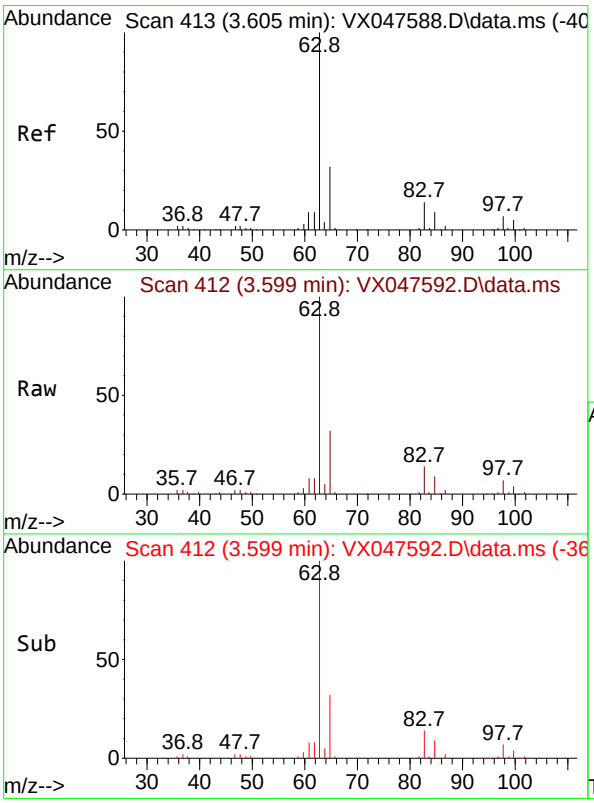
#23
Vinyl Acetate
Concen: 245.539 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 43 Resp: 1741267

Ion	Ratio	Lower	Upper
43	100		
86	10.2	7.8	11.8

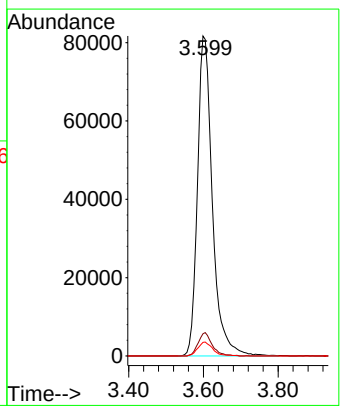


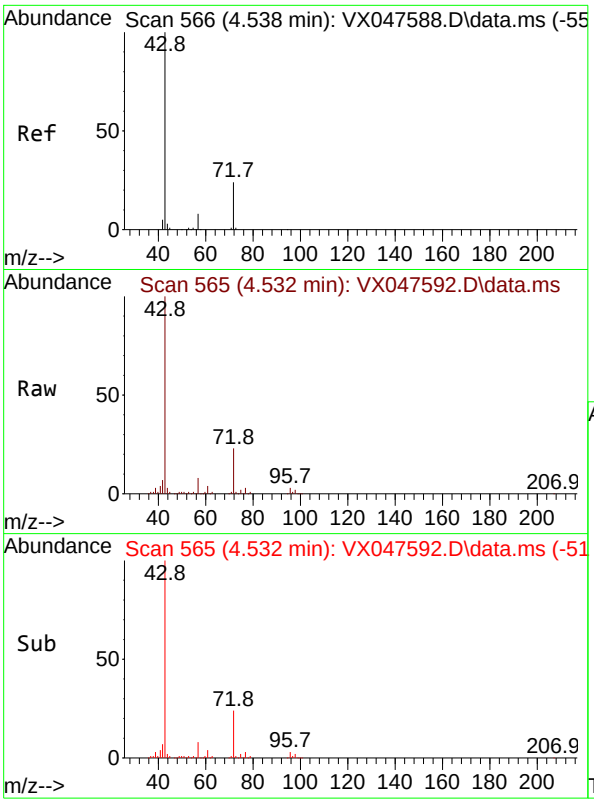


#24
1,1-Dichloroethane
Concen: 48.041 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 63 Resp: 226249

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.8	11.2
100	4.4	2.3	6.9



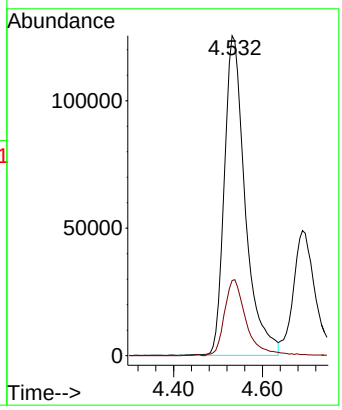


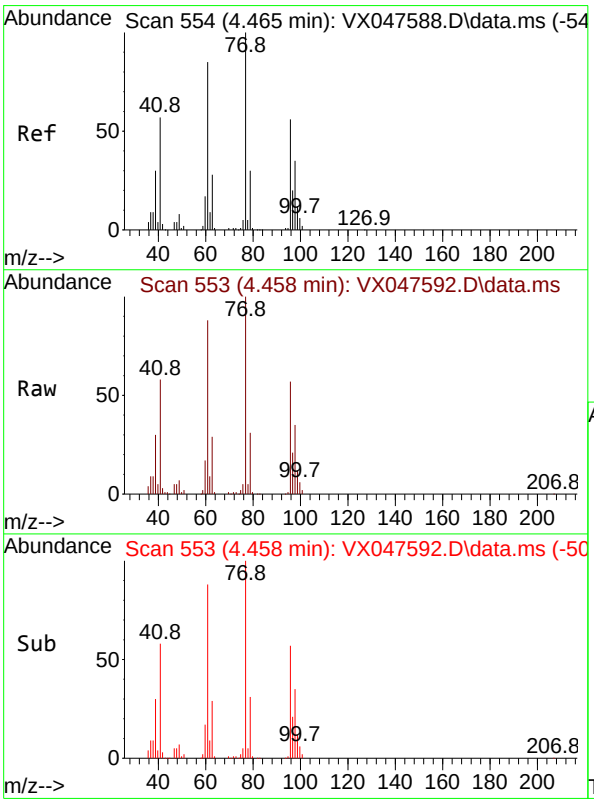
#25
2-Butanone
Concen: 253.598 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 43 Resp: 408273

Ion	Ratio	Lower	Upper
43	100		
72	23.5	20.1	30.1

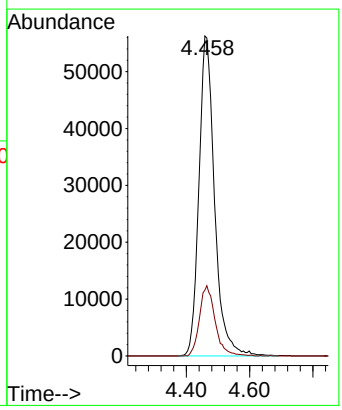


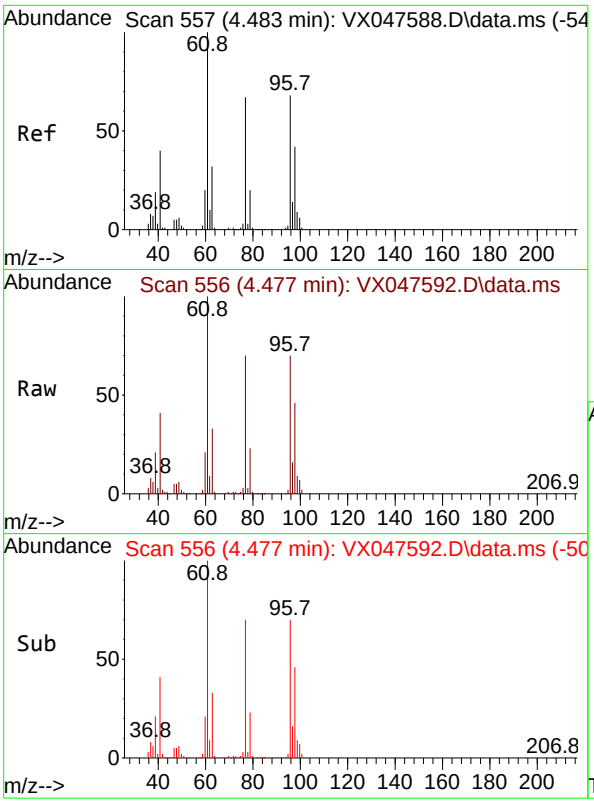


#26
2,2-Dichloropropane
Concen: 49.494 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 77 Resp: 193760

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.7



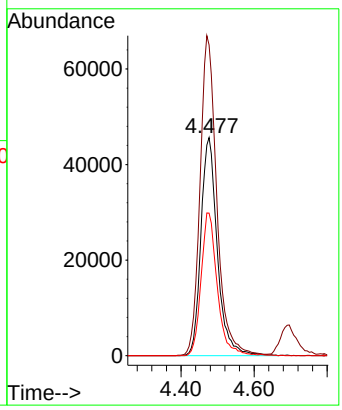


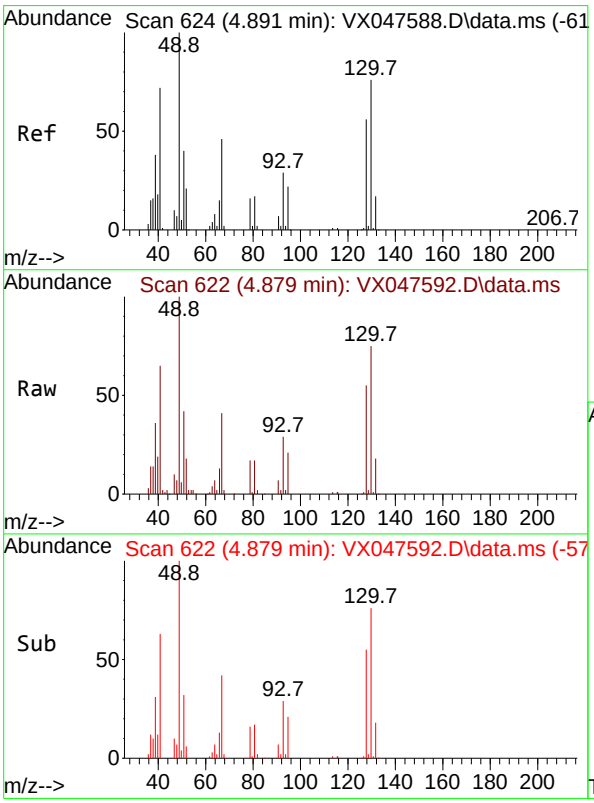
#27
cis-1,2-Dichloroethene
Concen: 48.826 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 96 Resp: 142635

Ion	Ratio	Lower	Upper
96	100		
61	149.7	0.0	303.2
98	64.3	0.0	127.8

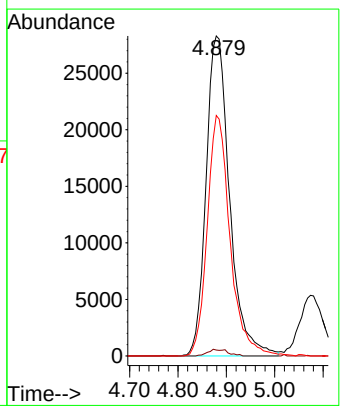


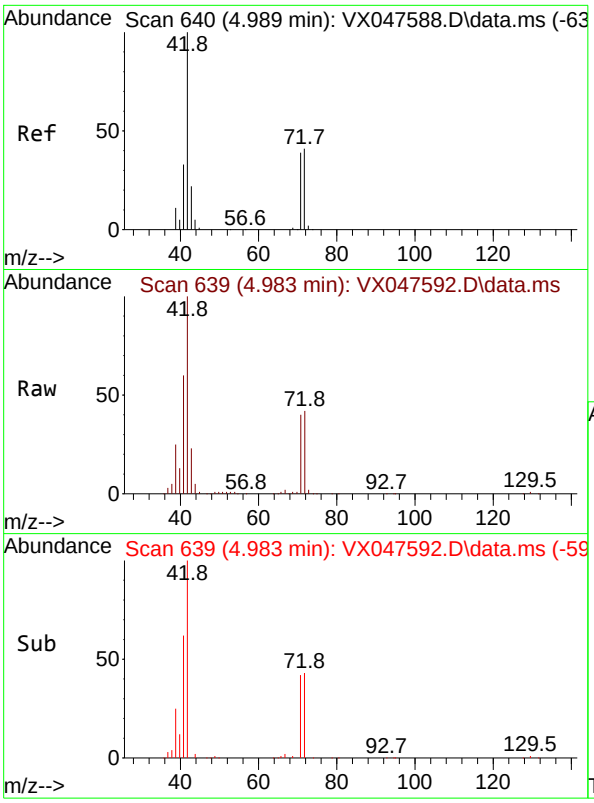


#28
Bromochloromethane
Concen: 46.586 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 49 Resp: 95782

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.2
130	72.9	57.8	86.8



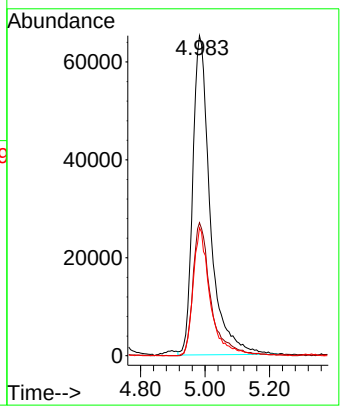


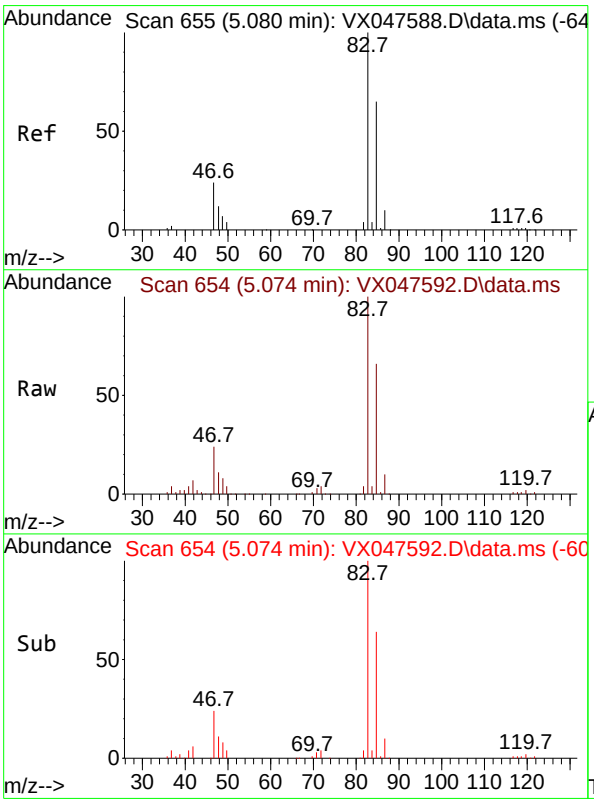
#29
Tetrahydrofuran
Concen: 253.375 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 42 Resp: 245392

Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	38.9	31.9	47.9

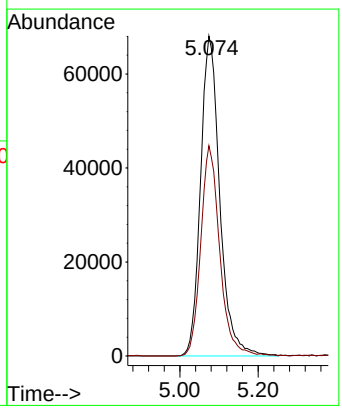


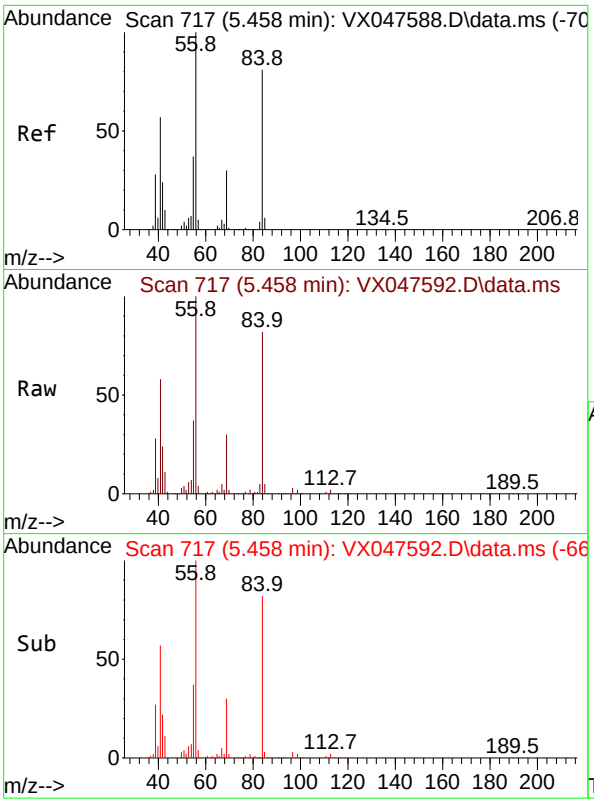


#30
Chloroform
Concen: 48.739 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 83 Resp: 231954

Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.8	77.6



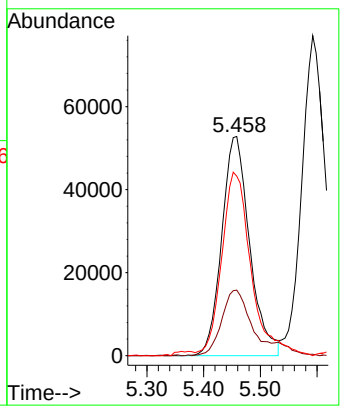


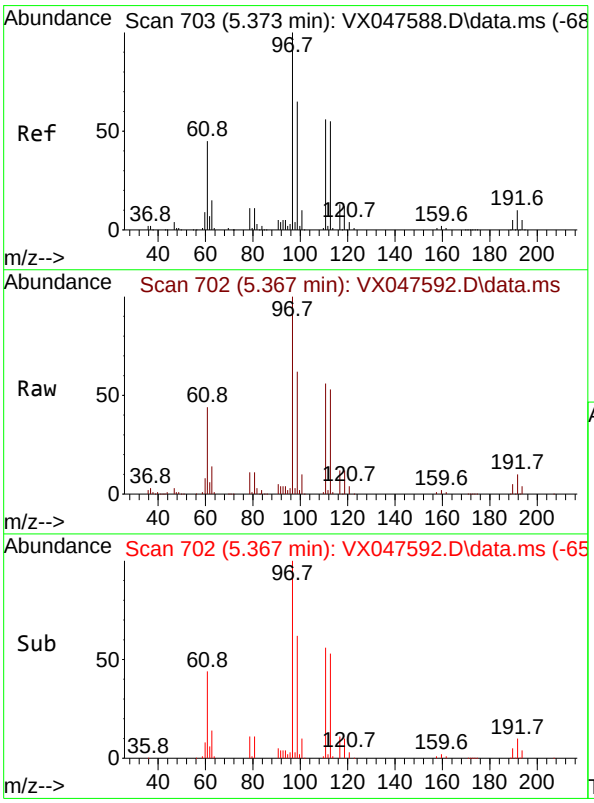
#31
Cyclohexane
Concen: 45.999 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 56 Resp: 180430

Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.8	35.8
84	80.3	64.6	97.0

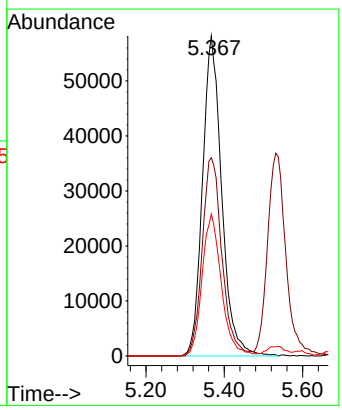


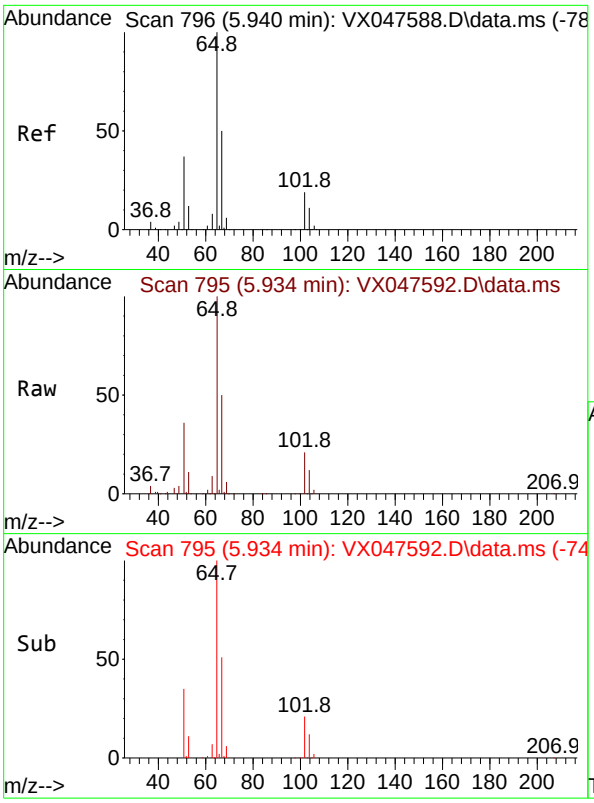


#32
1,1,1-Trichloroethane
Concen: 48.978 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 97 Resp: 197711

Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.6	76.0
61	44.6	35.8	53.8



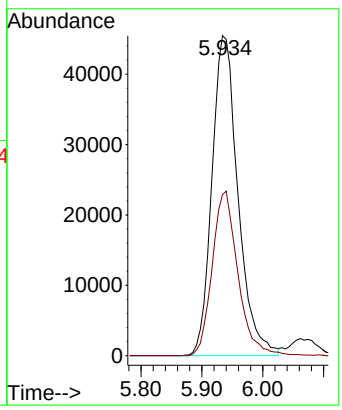


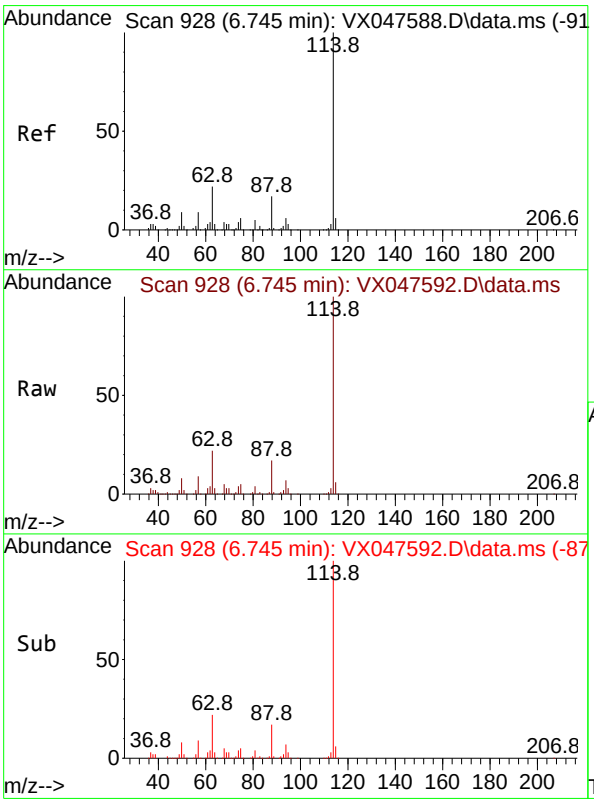
#33
1,2-Dichloroethane-d4
Concen: 45.550 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 65 Resp: 135209

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	103.0

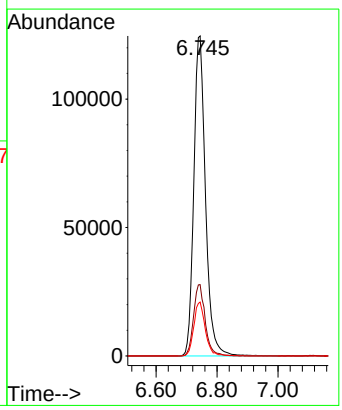


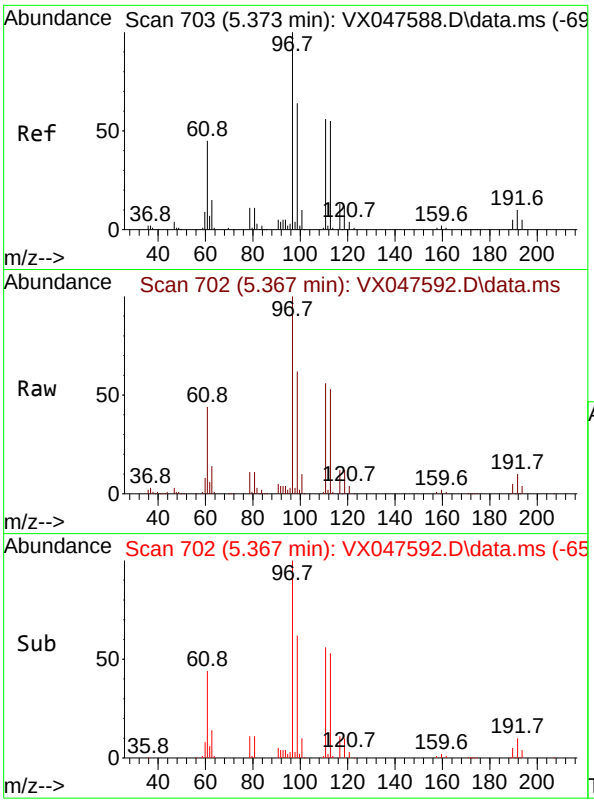


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:114 Resp: 331837

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	16.8	0.0	34.2



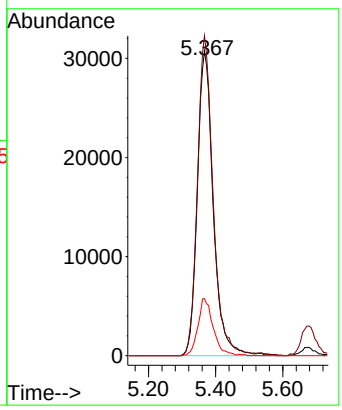


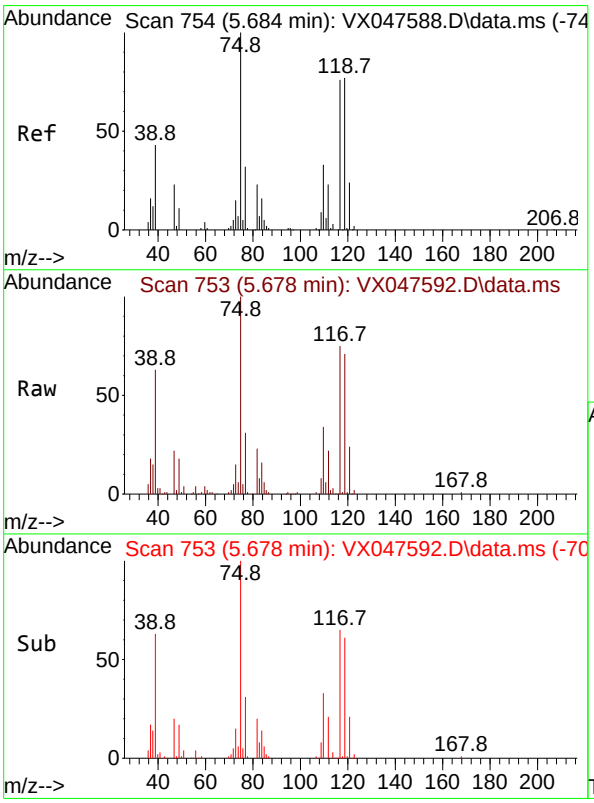
#35
Dibromofluoromethane
Concen: 45.559 ug/l
RT: 5.367 min Scan# 7(
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:113 Resp: 101390

Ion	Ratio	Lower	Upper
113	100		
111	103.2	80.9	121.3
192	17.9	14.2	21.4

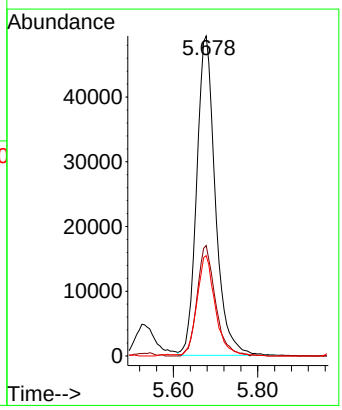


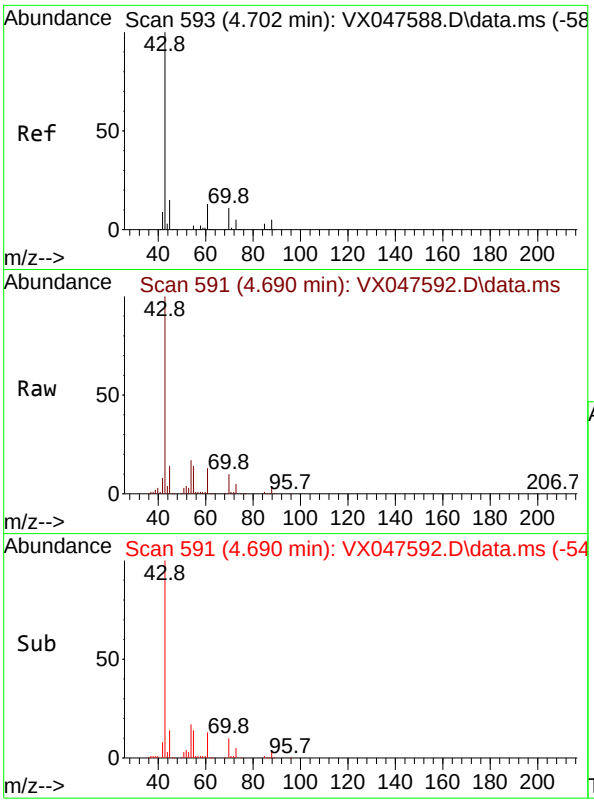


#36
1,1-Dichloropropene
Concen: 46.663 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 151745

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.7	50.1
77	31.0	24.3	36.5



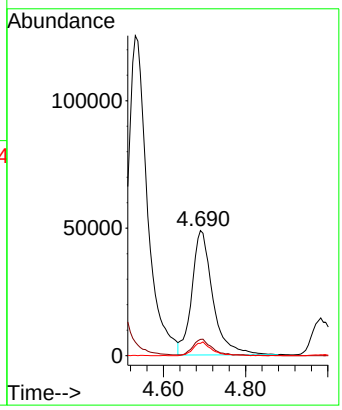


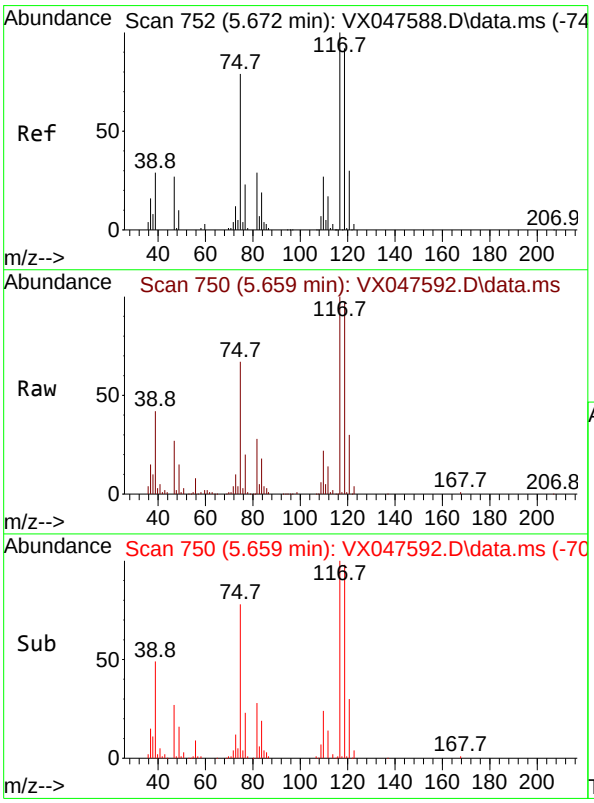
#37
Ethyl Acetate
Concen: 49.241 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 43 Resp: 171454

Ion	Ratio	Lower	Upper
43	100		
61	10.8	9.8	14.8
70	9.8	7.9	11.9

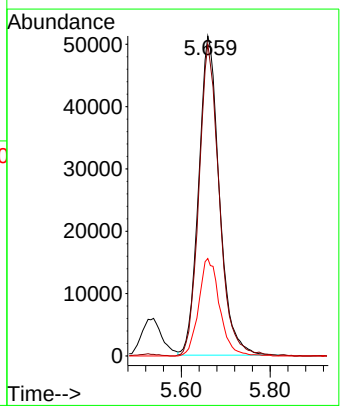


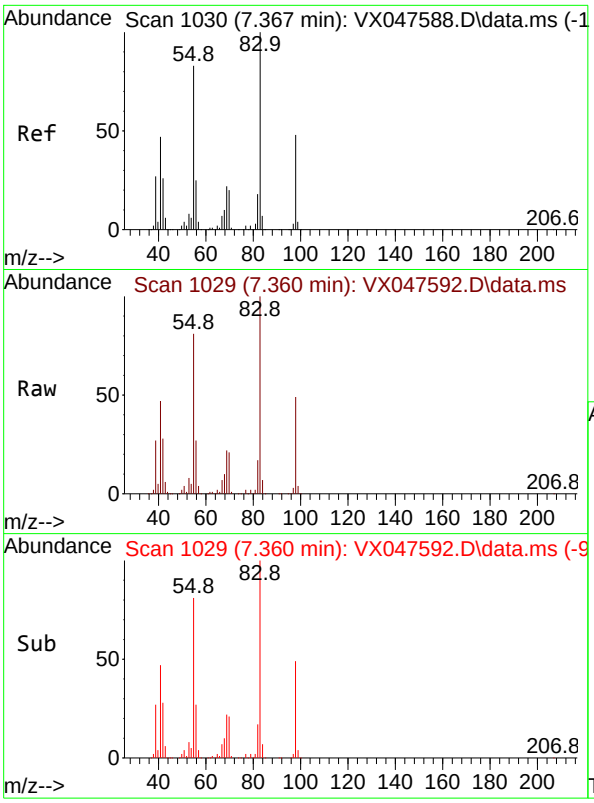


#38
Carbon Tetrachloride
Concen: 46.935 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:117 Resp: 165834

Ion	Ratio	Lower	Upper
117	100		
119	97.6	73.4	110.2
121	30.5	23.8	35.6



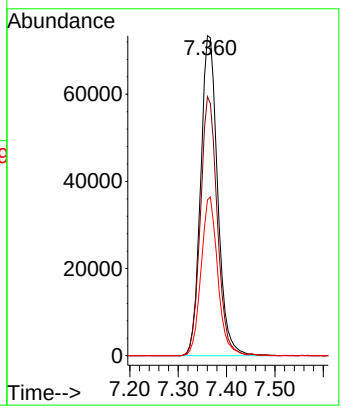


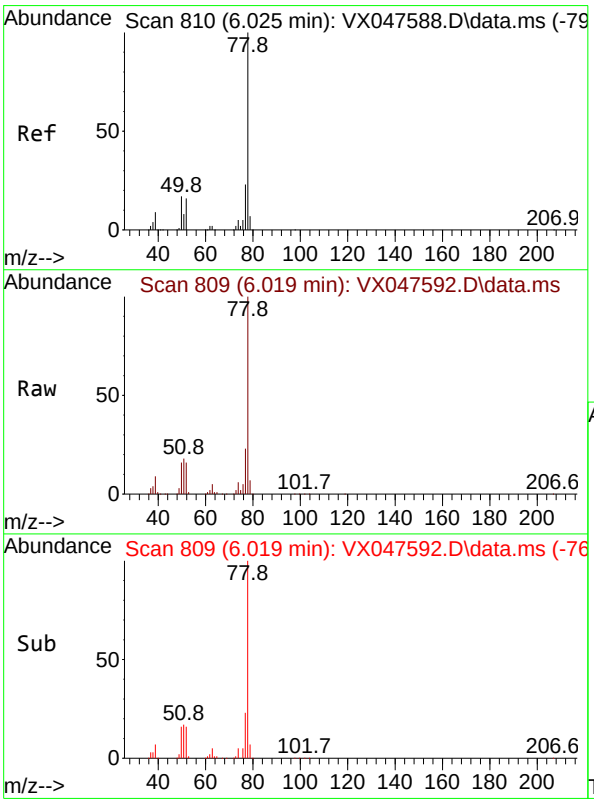
#39
Methylcyclohexane
Concen: 48.597 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 83 Resp: 179392

Ion	Ratio	Lower	Upper
83	100		
55	81.0	66.4	99.6
98	48.7	38.1	57.1

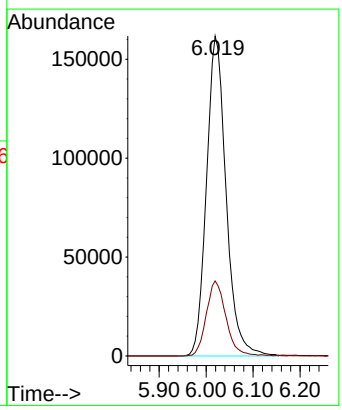


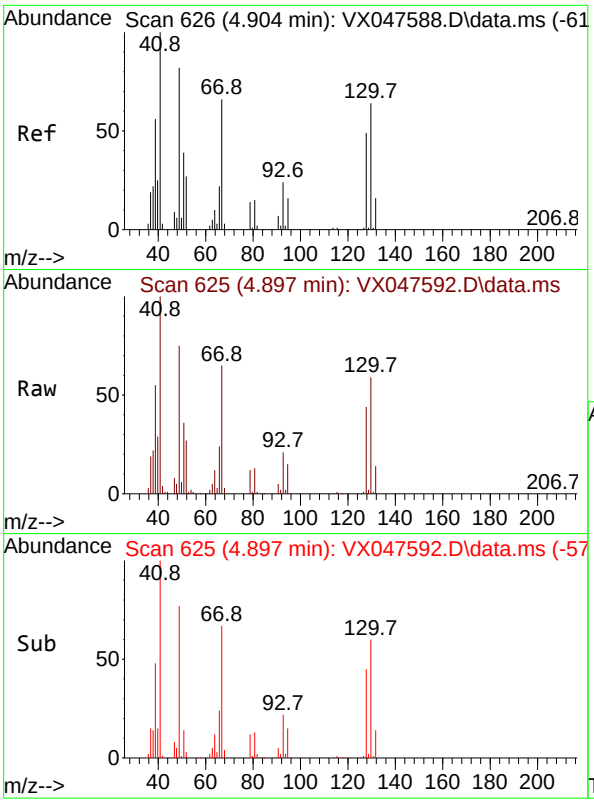


#40
Benzene
Concen: 47.357 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 78 Resp: 467748

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2



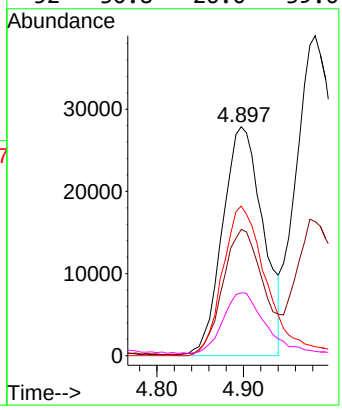


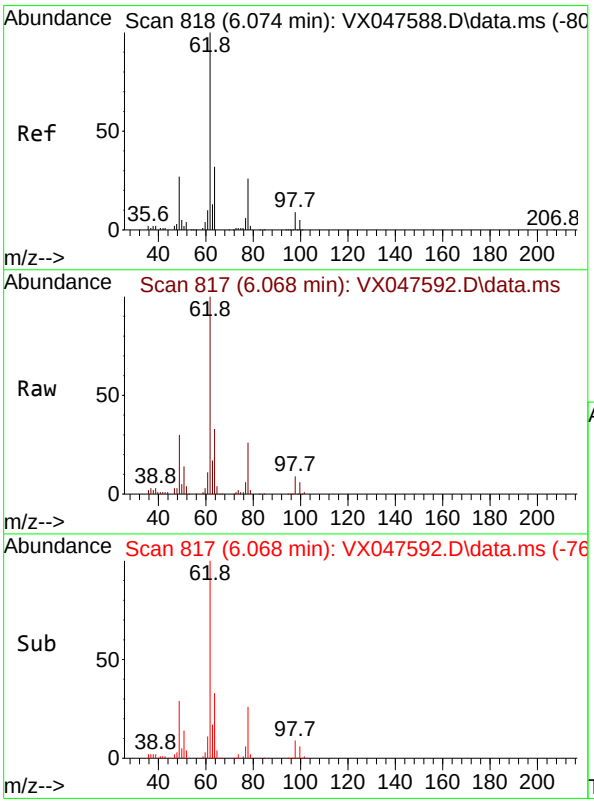
#41
Methacrylonitrile
Concen: 50.490 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 41 Resp: 90758

Ion	Ratio	Lower	Upper
41	100		
39	55.9	43.3	64.9
67	72.5	58.6	87.8
52	30.8	26.0	39.0

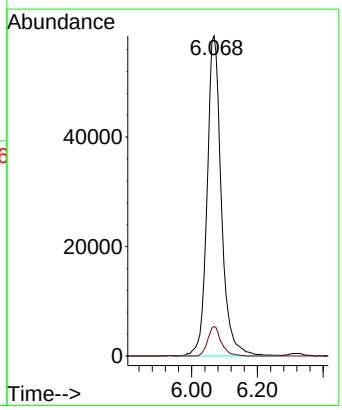


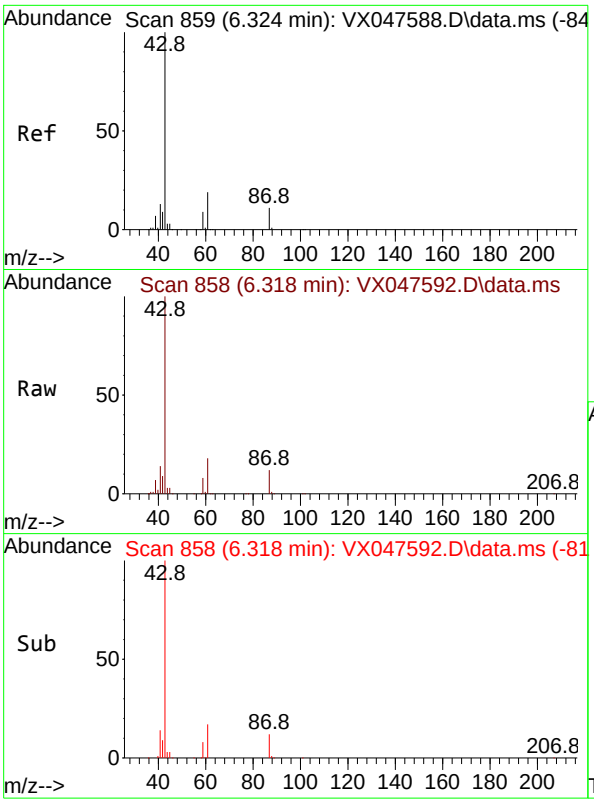


#42
1,2-Dichloroethane
Concen: 46.867 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 62 Resp: 176131

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0



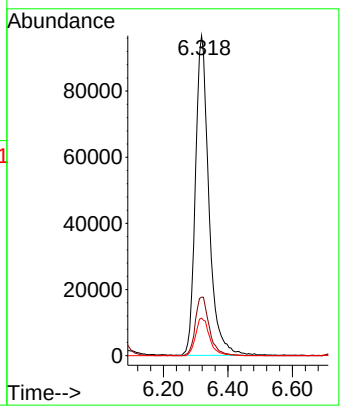


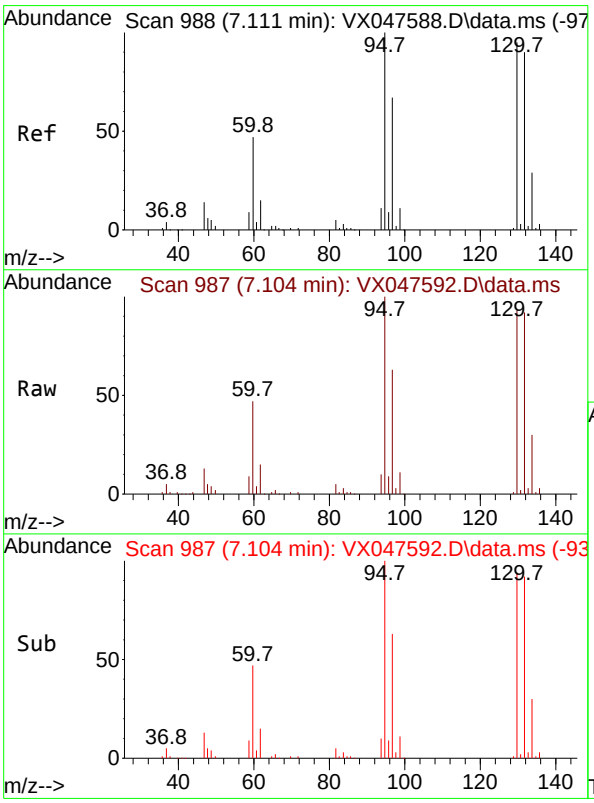
#43
Isopropyl Acetate
Concen: 49.136 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 43 Resp: 280595

Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.2	22.8
87	12.2	9.6	14.4

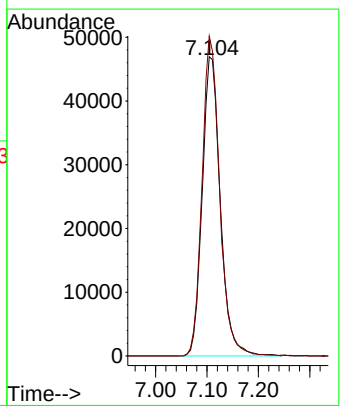


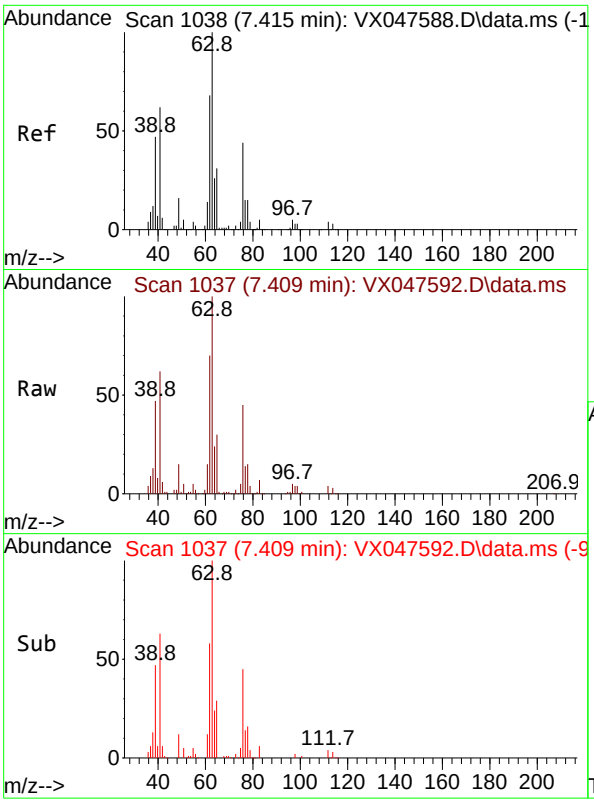


#44
Trichloroethene
Concen: 48.037 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:130 Resp: 114708

Ion	Ratio	Lower	Upper
130	100		
95	107.0	0.0	210.8



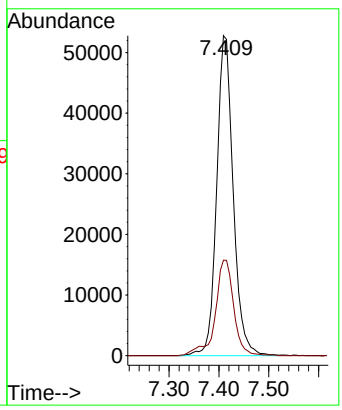


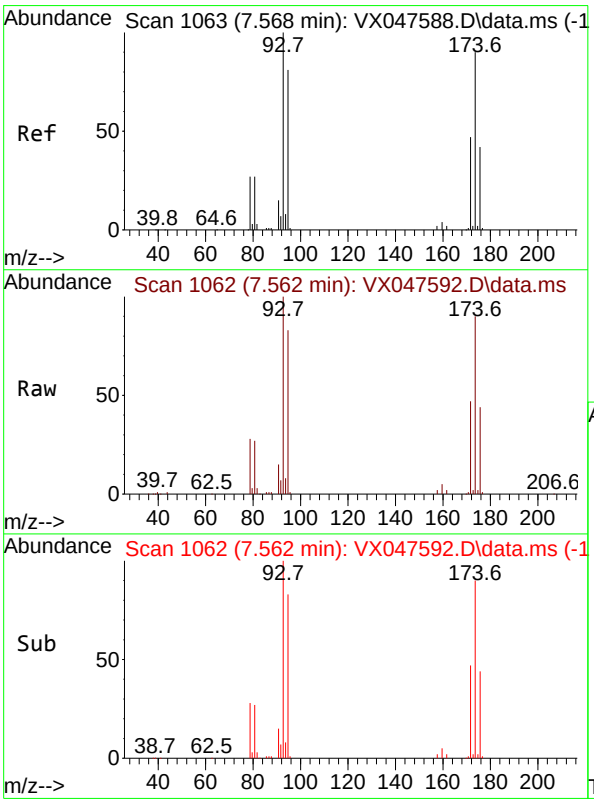
#45
1,2-Dichloropropane
Concen: 48.053 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 63 Resp: 121532

Ion	Ratio	Lower	Upper
63	100		
65	29.8	24.7	37.1

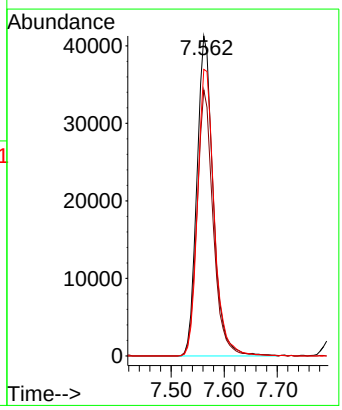


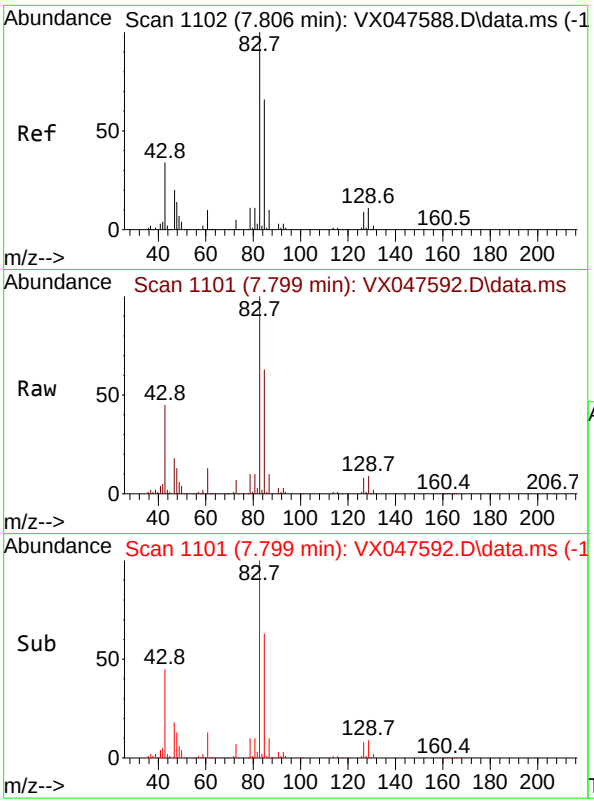


#46
Dibromomethane
Concen: 47.976 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 93 Resp: 88297

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.0	97.6
174	91.3	71.6	107.4



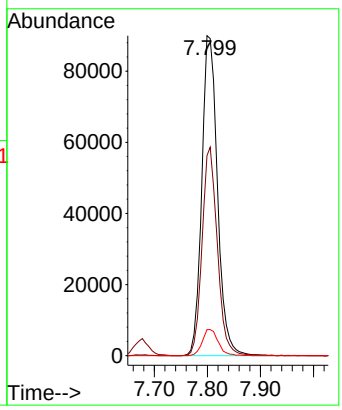


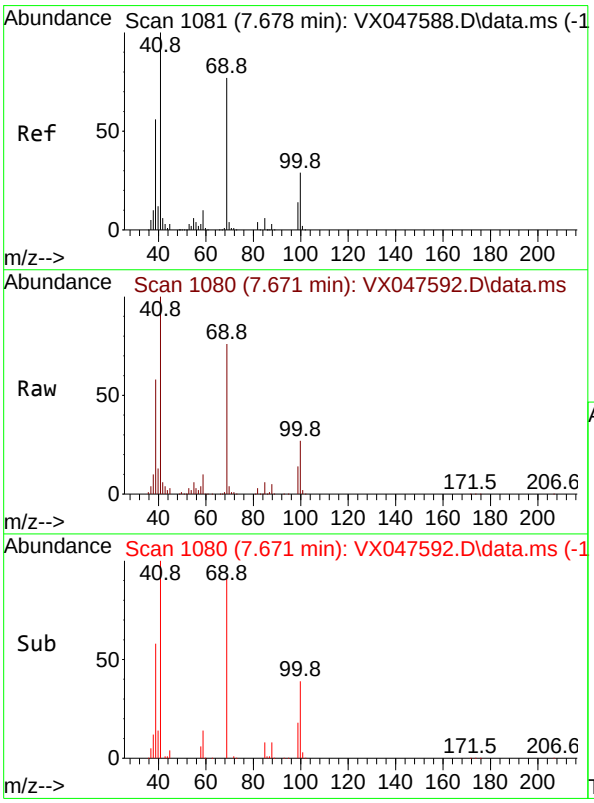
#47
Bromodichloromethane
Concen: 48.769 ug/l
RT: 7.799 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 83 Resp: 185219

Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.5	78.7
127	8.1	6.9	10.3

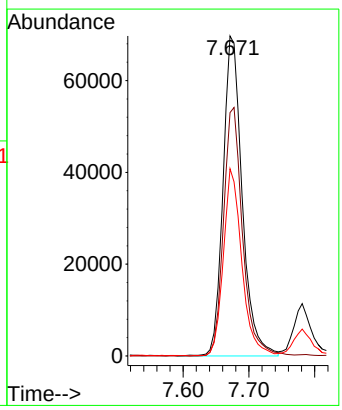


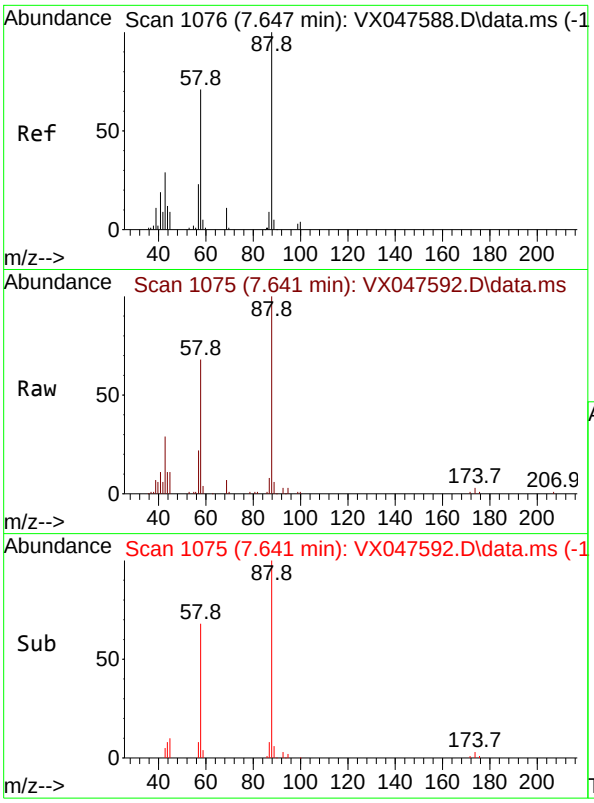


#48
Methyl methacrylate
Concen: 49.757 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 41 Resp: 141532

Ion	Ratio	Lower	Upper
41	100		
69	77.1	61.4	92.2
39	56.4	45.8	68.6





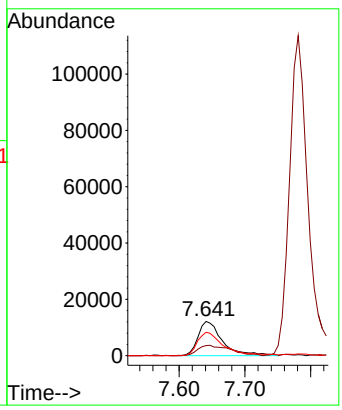
#49
1,4-Dioxane
Concen: 1089.520 ug/l
RT: 7.641 min Scan# 1

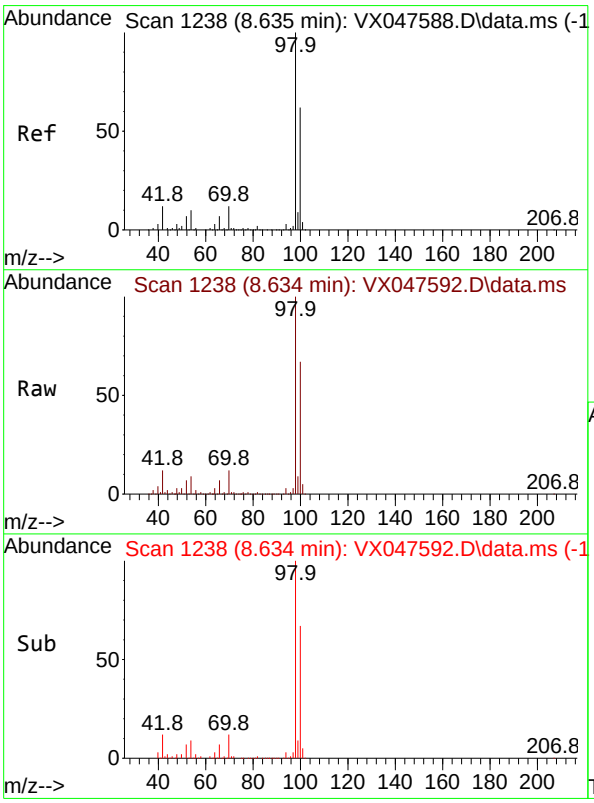
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 88 Resp: 31320

Ion	Ratio	Lower	Upper
88	100		
43	40.9	30.2	45.2
58	74.1	59.5	89.3

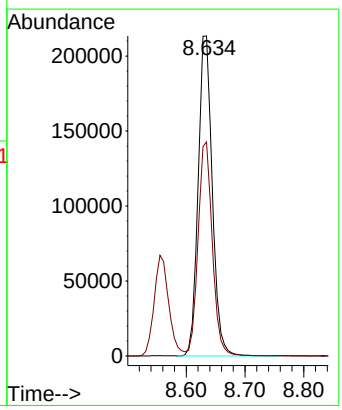


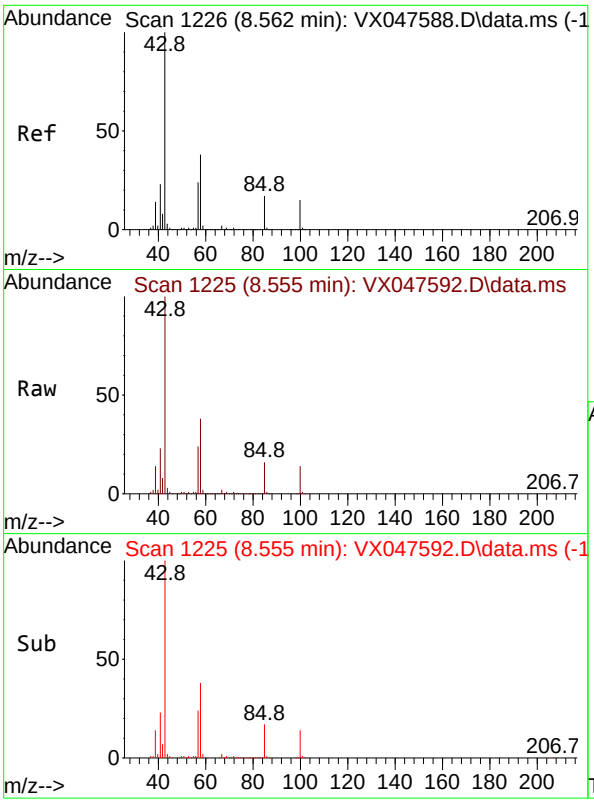


#50
Toluene-d8
Concen: 46.411 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 98 Resp: 357393

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.0	79.4



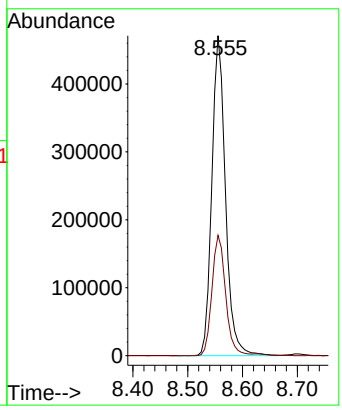


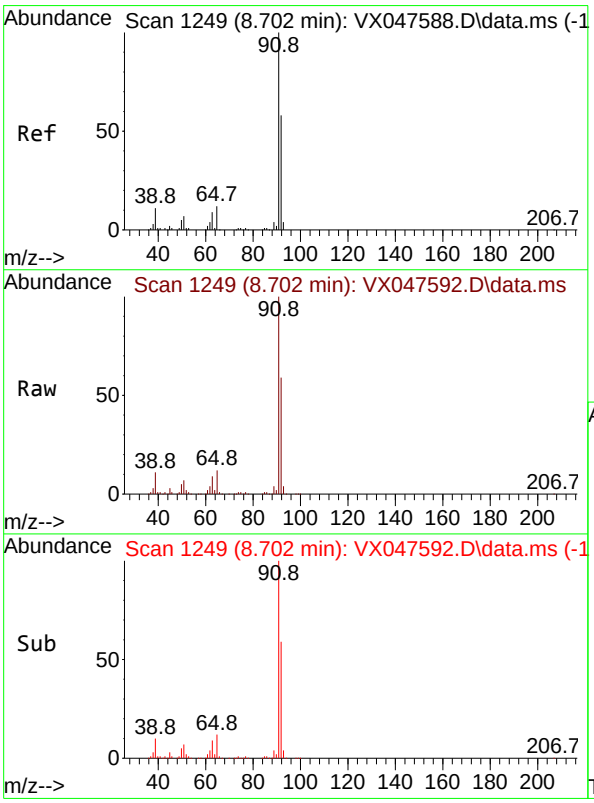
#51
4-Methyl-2-Pentanone
Concen: 255.752 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 43 Resp: 809759

Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.3	45.5

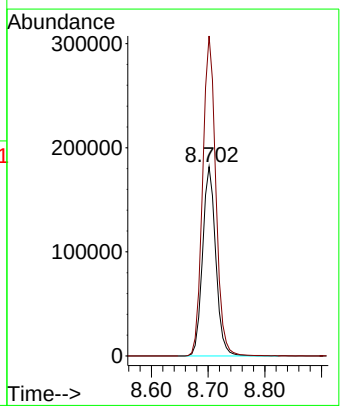


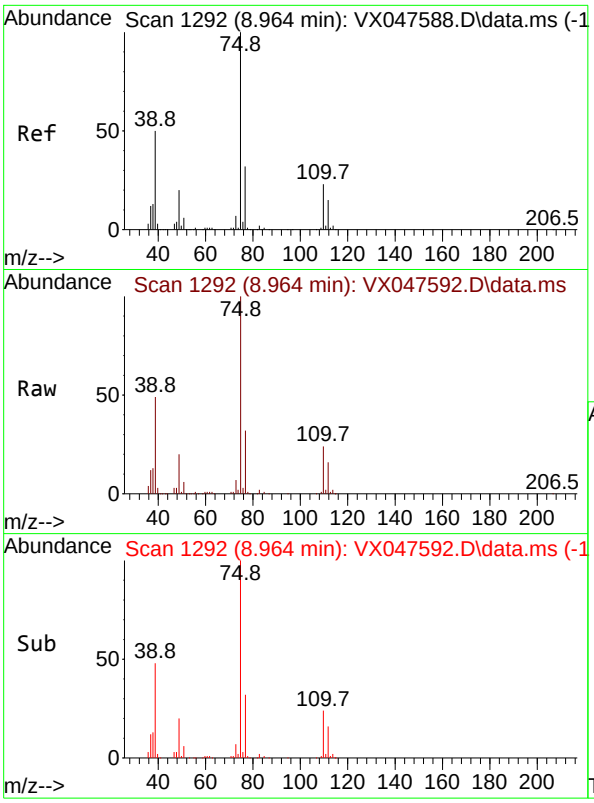


#52
Toluene
Concen: 48.130 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 92 Resp: 292879

Ion	Ratio	Lower	Upper
92	100		
91	169.4	137.1	205.7



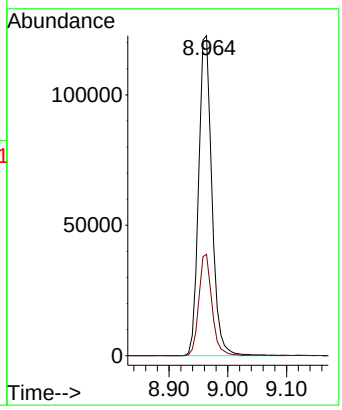


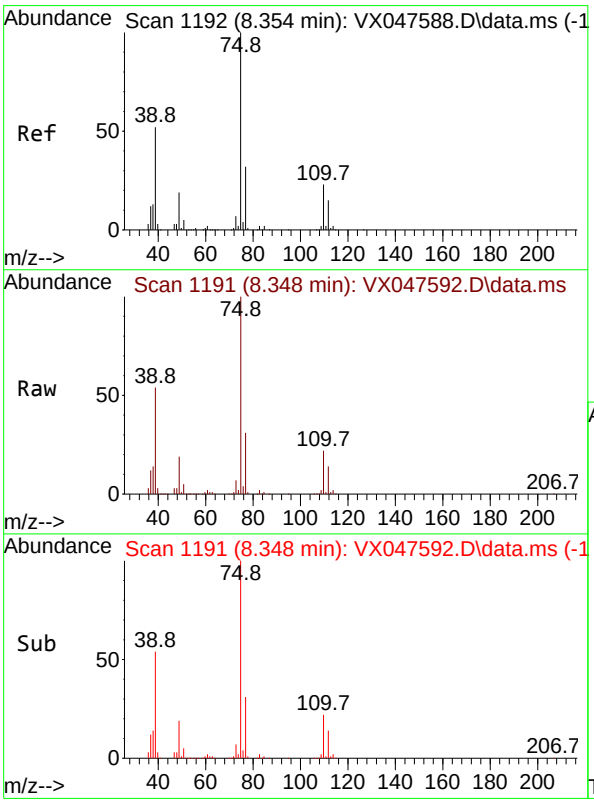
#53
t-1,3-Dichloropropene
Concen: 49.527 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 75 Resp: 191863

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2

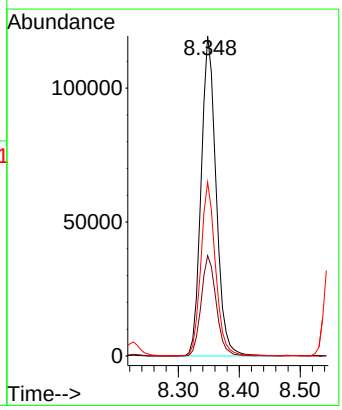


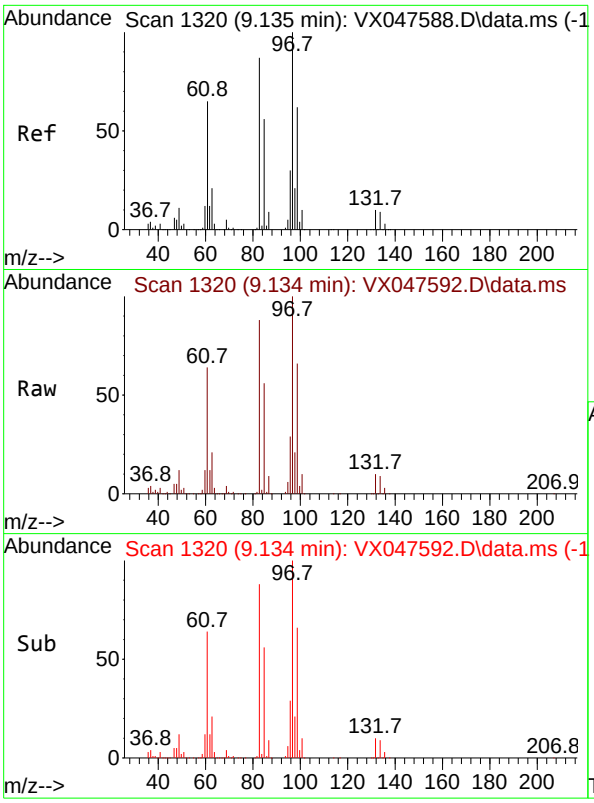


#54
cis-1,3-Dichloropropene
Concen: 49.257 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 203954

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.8	38.6
39	54.2	41.4	62.2



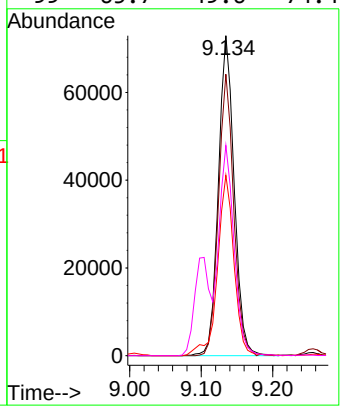


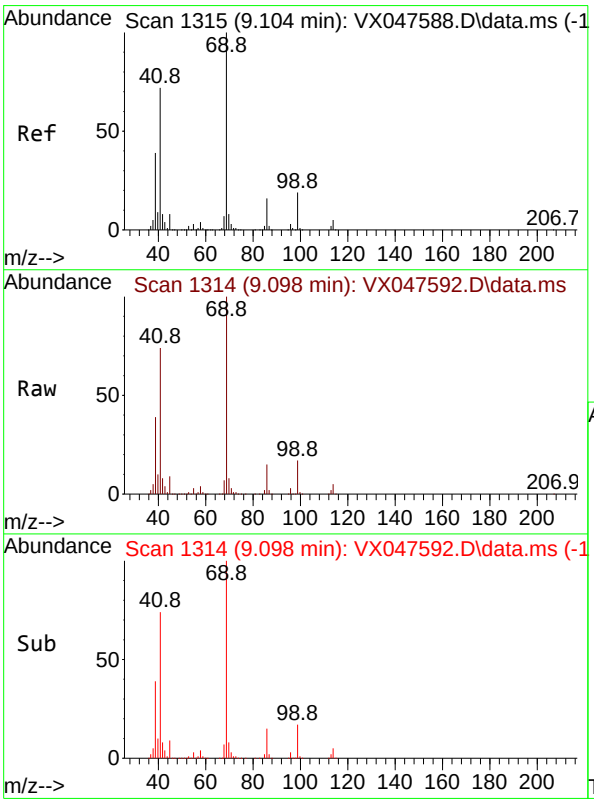
#55
1,1,2-Trichloroethane
Concen: 47.772 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 97 Resp: 112094

Ion	Ratio	Lower	Upper
97	100		
83	87.9	69.6	104.4
85	56.4	45.0	67.6
99	65.7	49.6	74.4

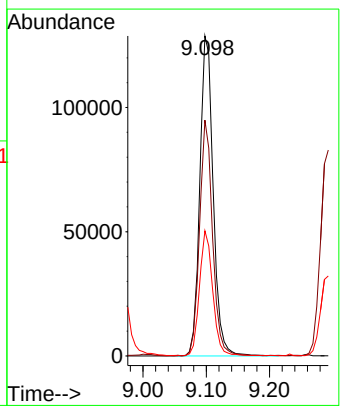


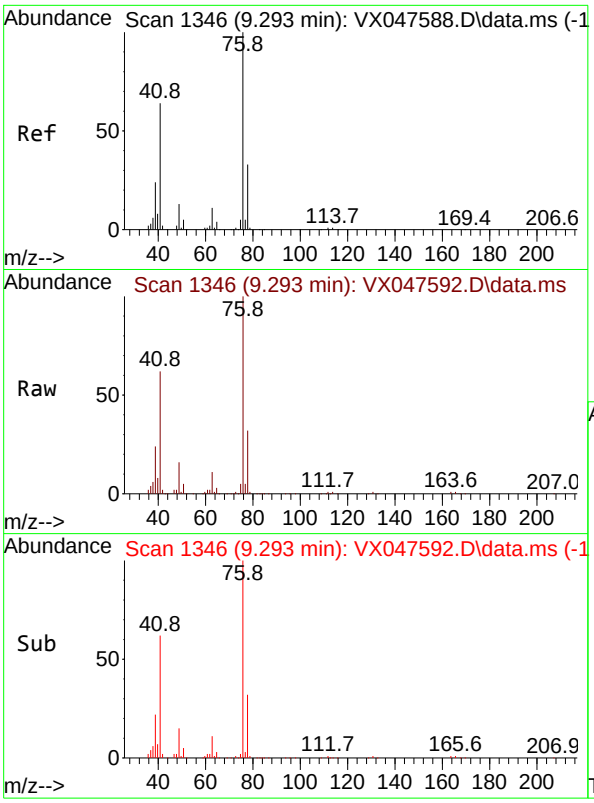


#56
Ethyl methacrylate
Concen: 51.490 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 69 Resp: 189741

Ion	Ratio	Lower	Upper
69	100		
41	71.7	58.6	87.8
39	39.0	31.5	47.3



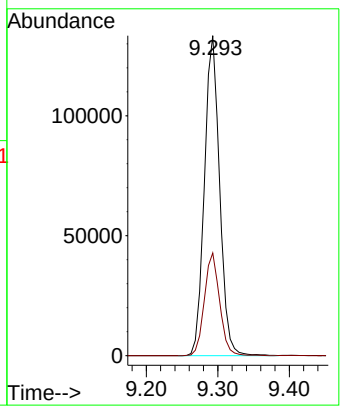


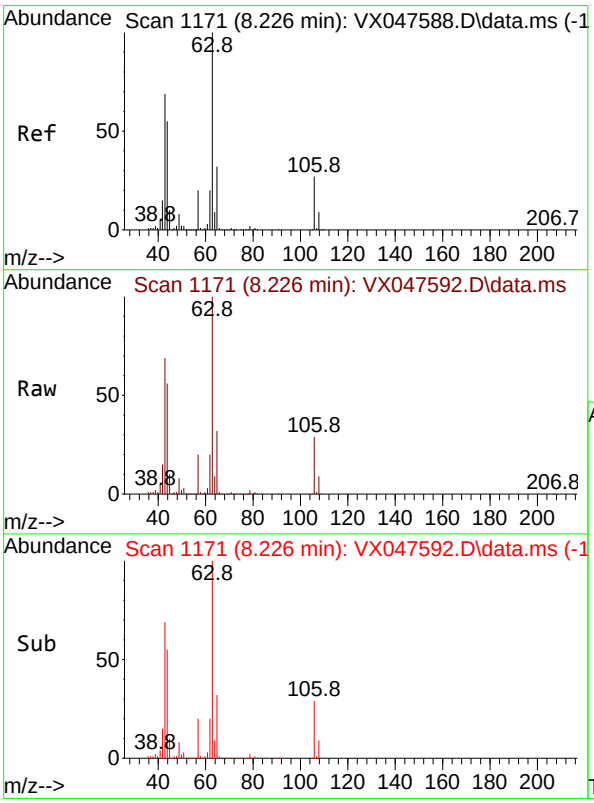
#57
1,3-Dichloropropane
Concen: 48.894 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 76 Resp: 197079

Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.2	39.4

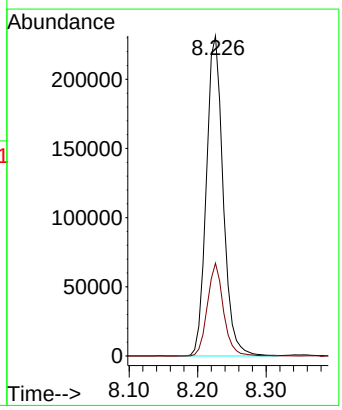


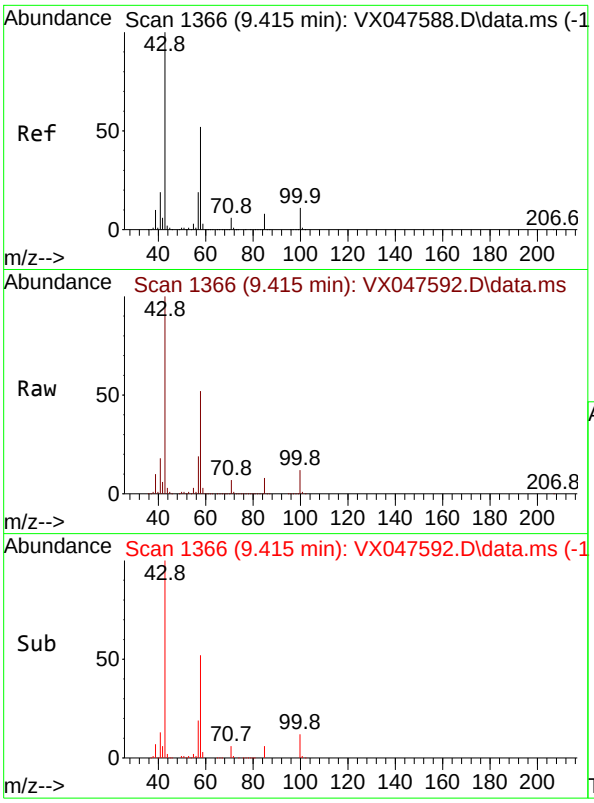


#58
2-Chloroethyl Vinyl ether
Concen: 225.562 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 63 Resp: 394205

Ion	Ratio	Lower	Upper
63	100		
106	27.8	21.9	32.9



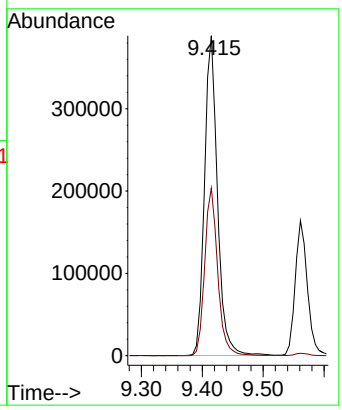


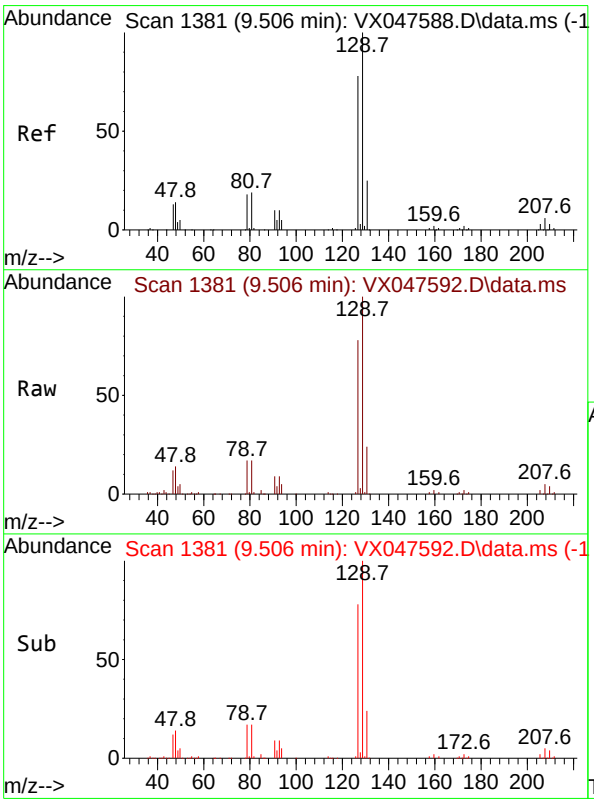
#59
2-Hexanone
Concen: 253.126 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 43 Resp: 575599

Ion	Ratio	Lower	Upper
43	100		
58	52.6	26.1	78.2

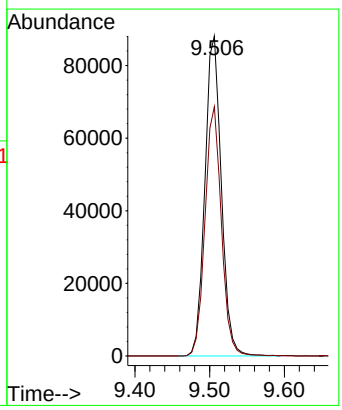


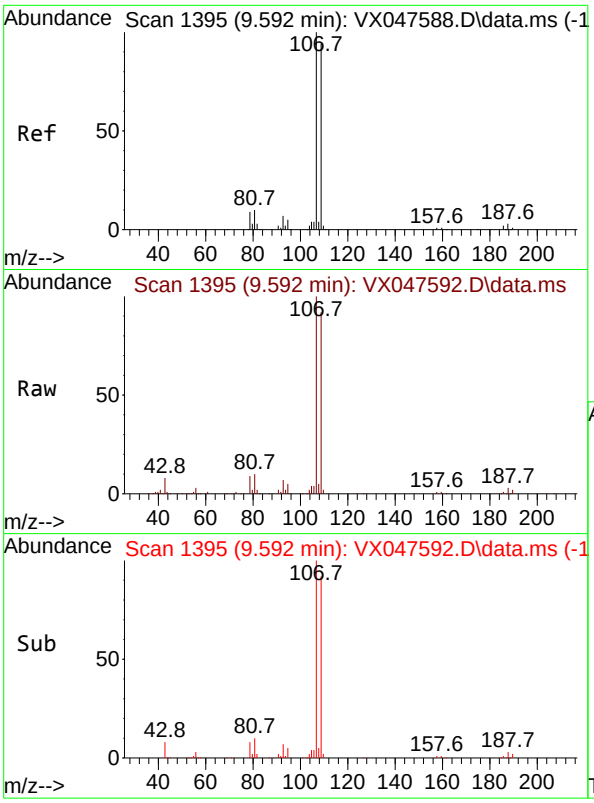


#60
Dibromochloromethane
Concen: 49.824 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:129 Resp: 134704

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.4	115.2



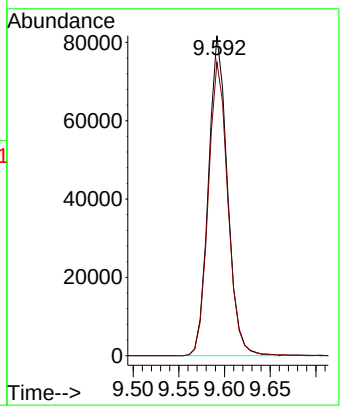


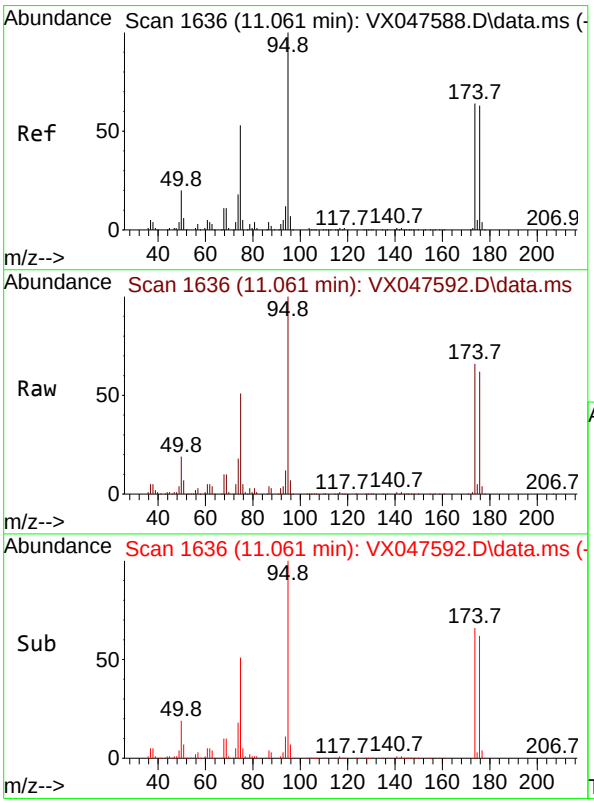
#61
1,2-Dibromoethane
Concen: 49.297 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:107 Resp: 117817

Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.3	112.9

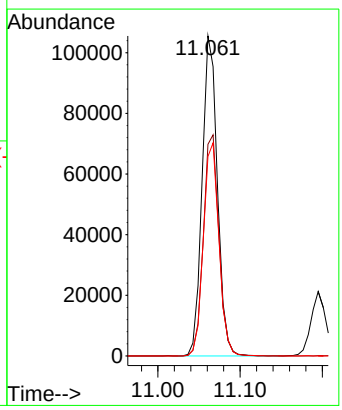


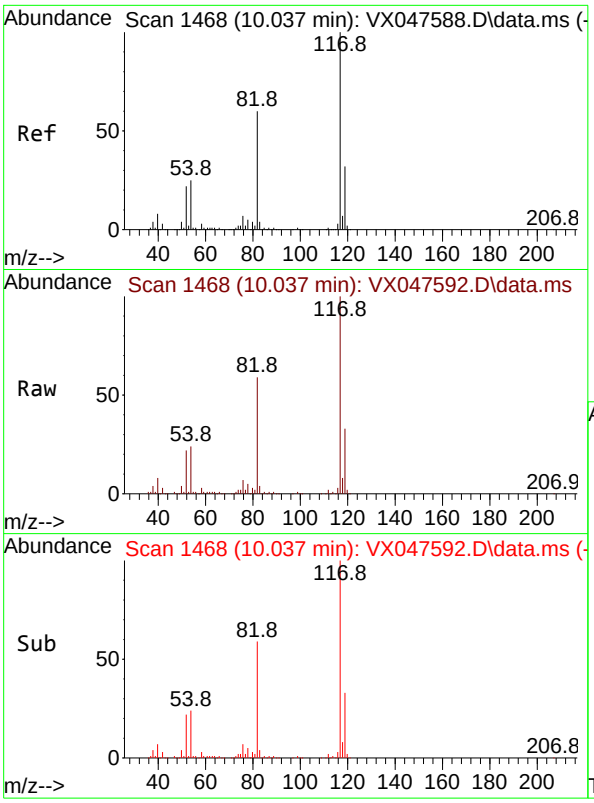


#62
4-Bromofluorobenzene
Concen: 46.520 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 95 Resp: 135957

Ion	Ratio	Lower	Upper
95	100		
174	70.3	0.0	141.6
176	68.0	0.0	138.4



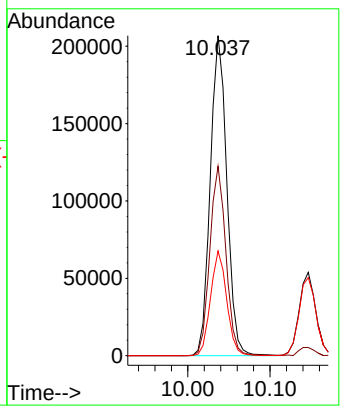


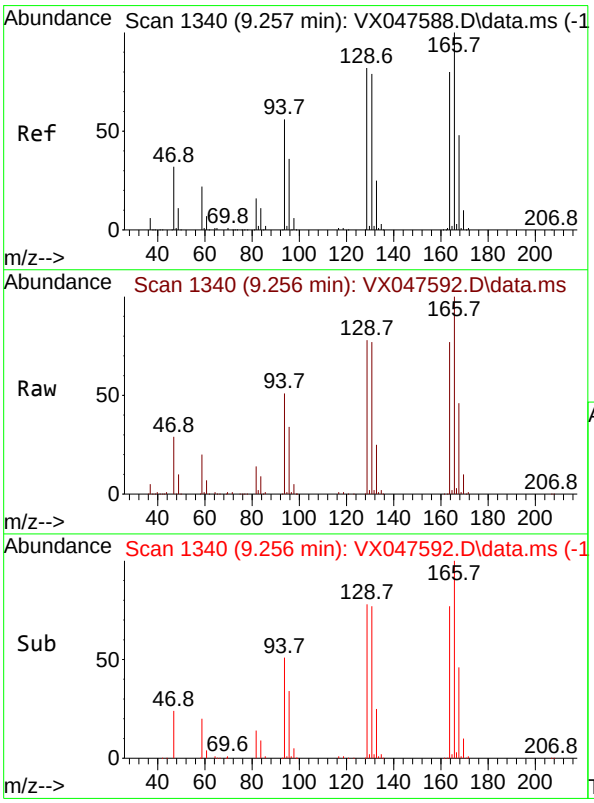
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:117 Resp: 288660

Ion	Ratio	Lower	Upper
117	100		
82	59.2	47.8	71.6
119	32.7	25.2	37.8

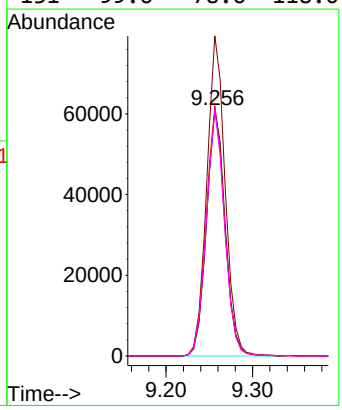


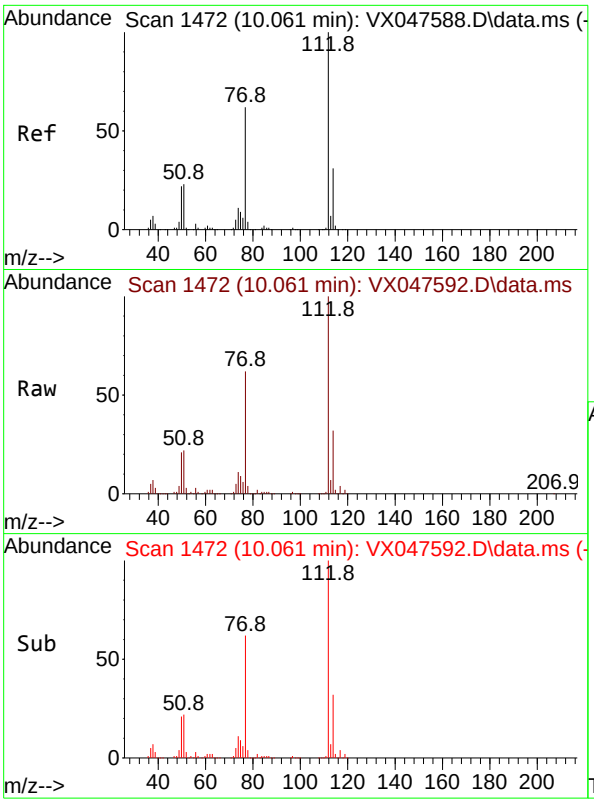


#64
Tetrachloroethene
Concen: 48.296 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:164 Resp: 90881

Ion	Ratio	Lower	Upper
164	100		
166	129.8	100.2	150.2
129	101.3	81.8	122.6
131	99.6	78.6	118.0



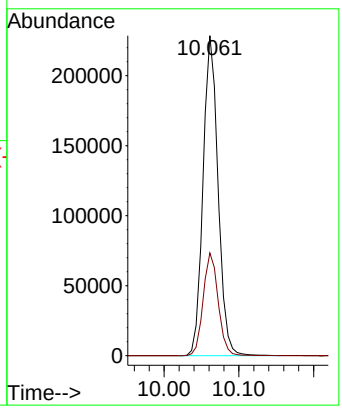


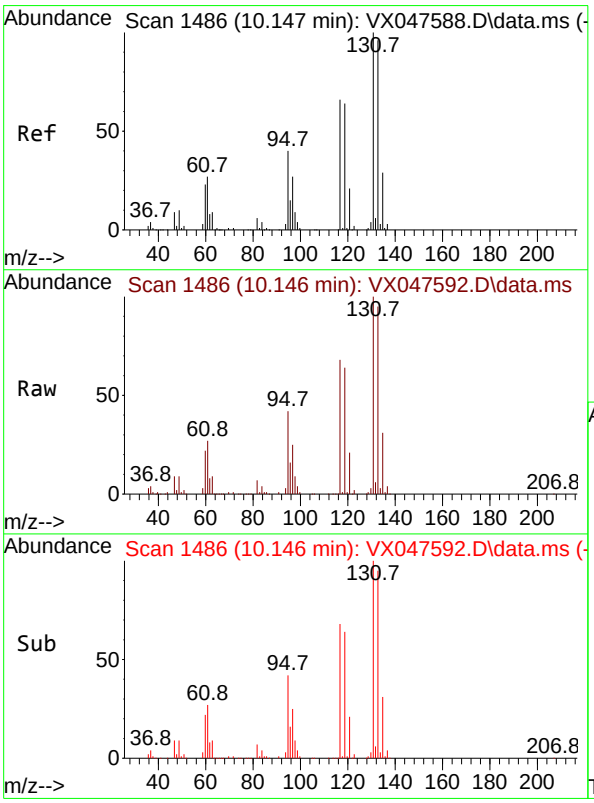
#65
Chlorobenzene
Concen: 48.549 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:112 Resp: 318372

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.1	37.7

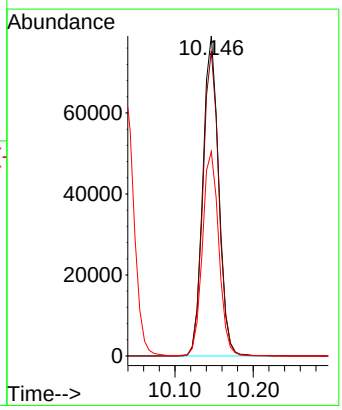


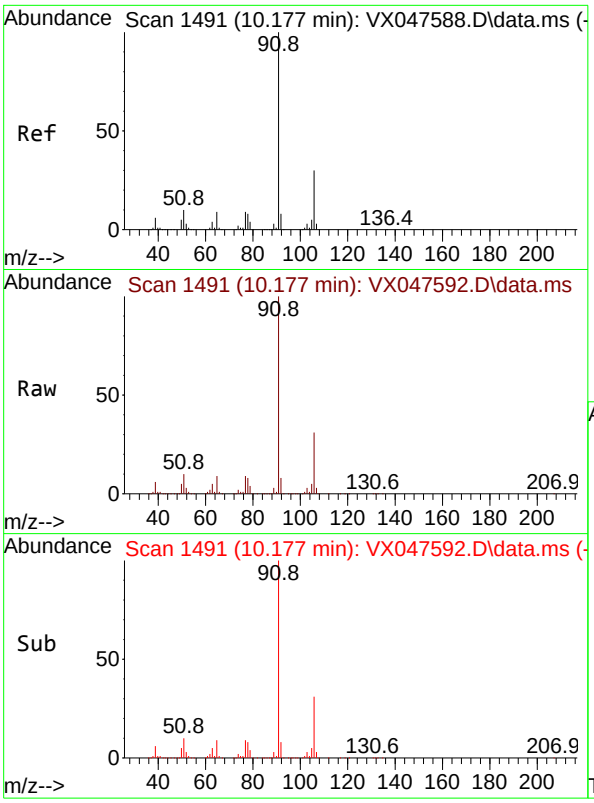


#66
1,1,1,2-Tetrachloroethane
Concen: 48.794 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:131 Resp: 110416

Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.3	142.0
119	66.3	32.0	96.0



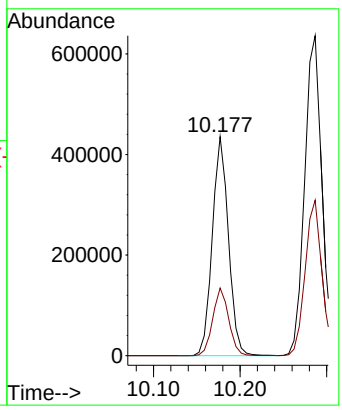


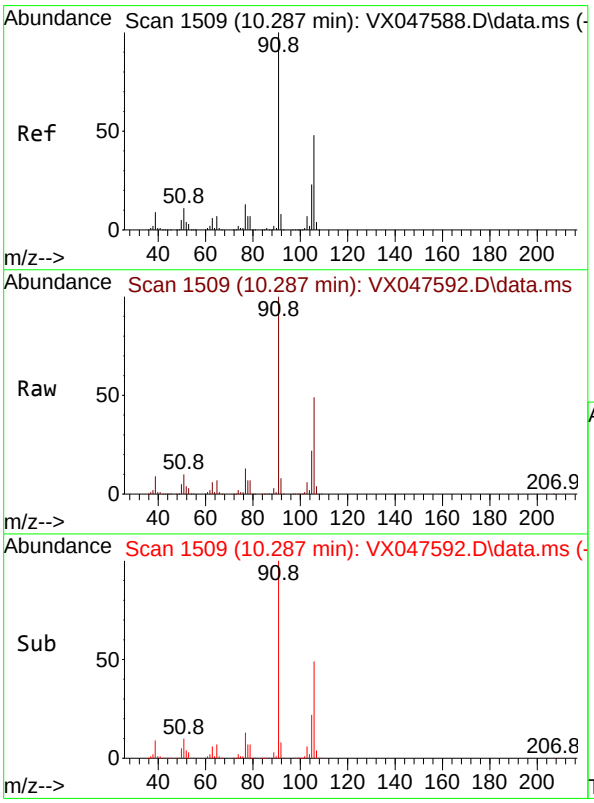
#67
Ethyl Benzene
Concen: 49.813 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 91 Resp: 563634

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.3	36.5

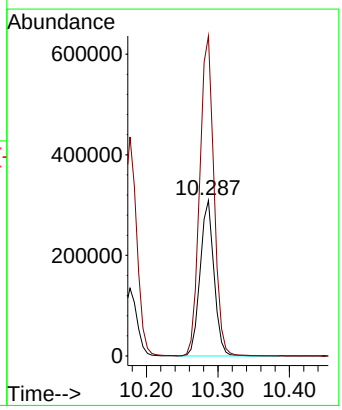


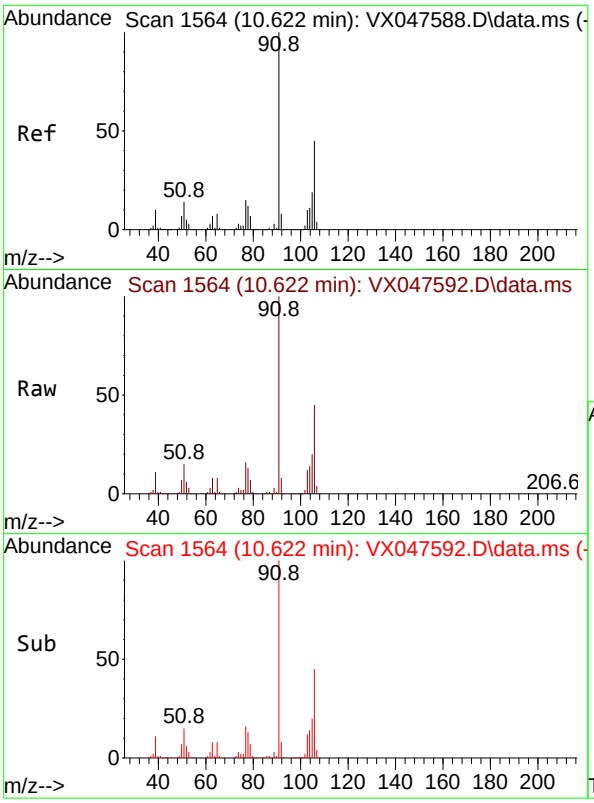


#68
m/p-Xylenes
Concen: 98.956 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:106 Resp: 416757

Ion	Ratio	Lower	Upper
106	100		
91	211.1	167.8	251.8



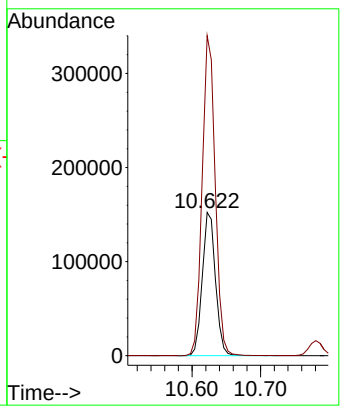


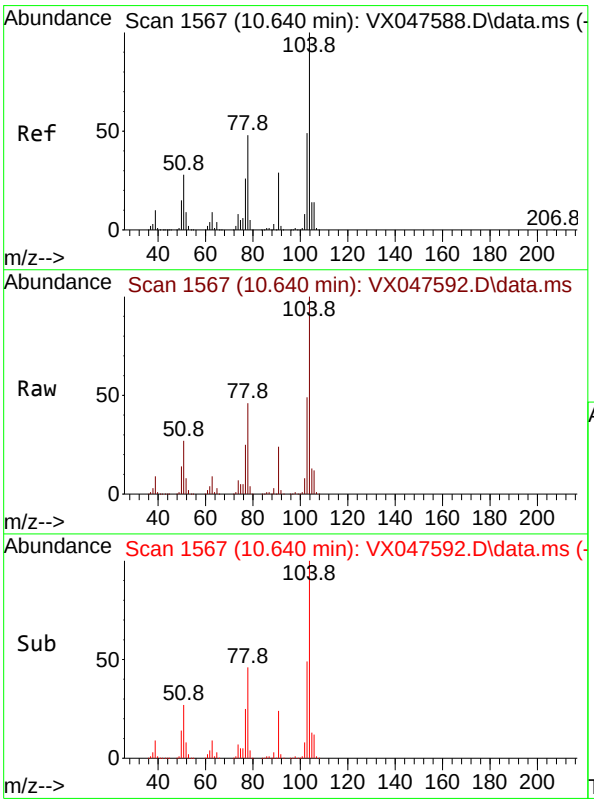
#69
o-Xylene
Concen: 50.159 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:106 Resp: 204323

Ion	Ratio	Lower	Upper
106	100		
91	221.0	111.1	333.4

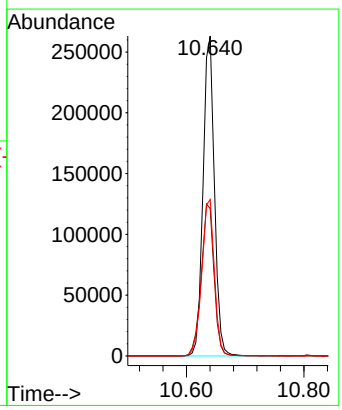


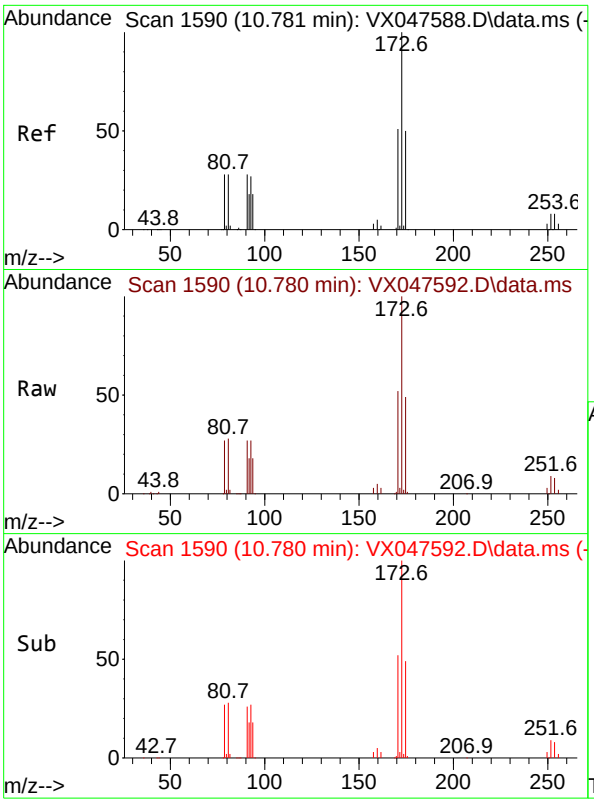


#70
Styrene
Concen: 49.536 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:104 Resp: 353567

Ion	Ratio	Lower	Upper
104	100		
78	53.4	43.1	64.7
103	54.3	43.1	64.7



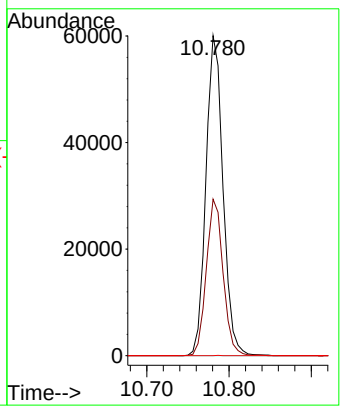


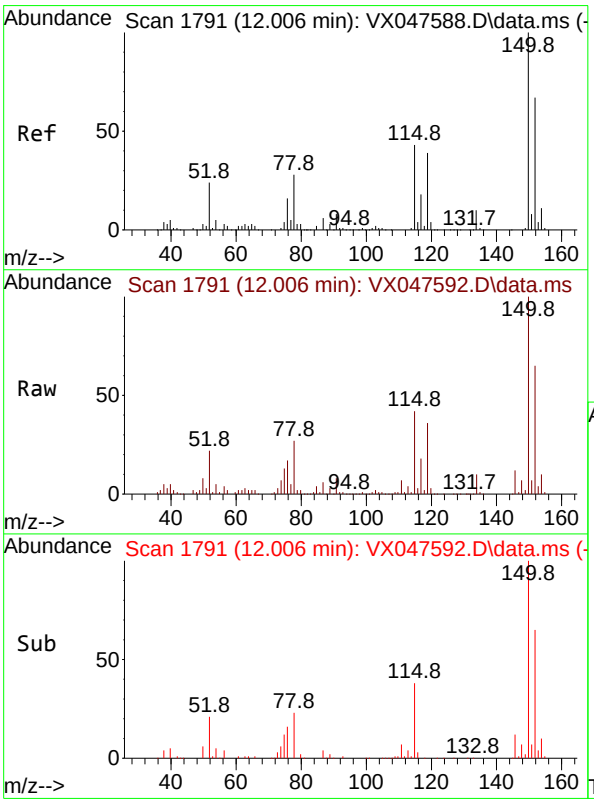
#71
Bromoform
Concen: 51.207 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:173 Resp: 86524

Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.9	74.6
254	0.0	0.1	0.1#

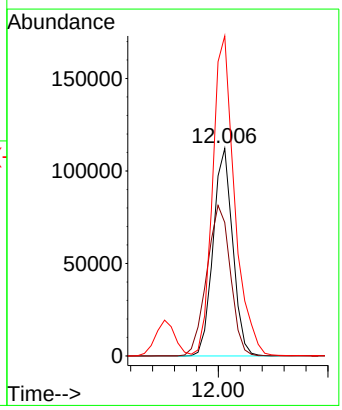


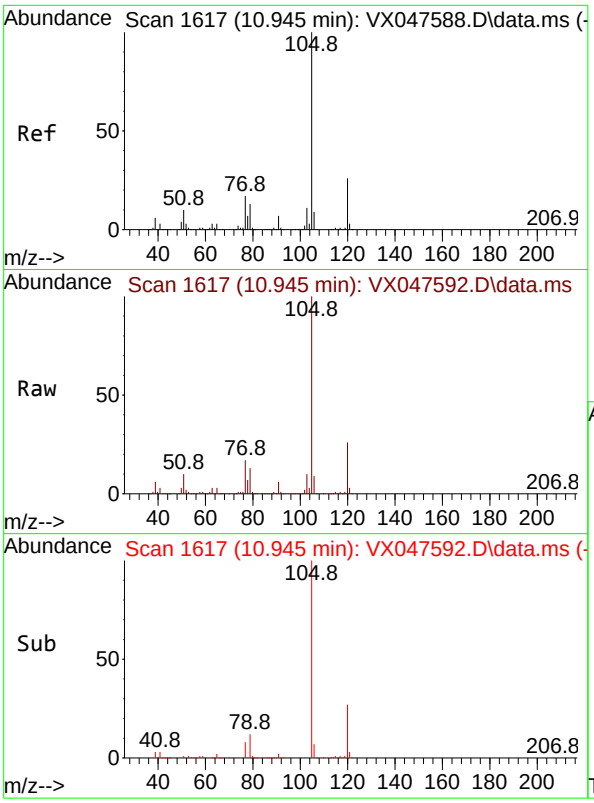


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:152 Resp: 139252

Ion	Ratio	Lower	Upper
152	100		
115	87.5	44.9	134.5
150	173.5	0.0	352.0



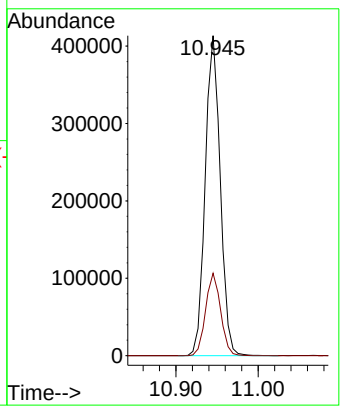


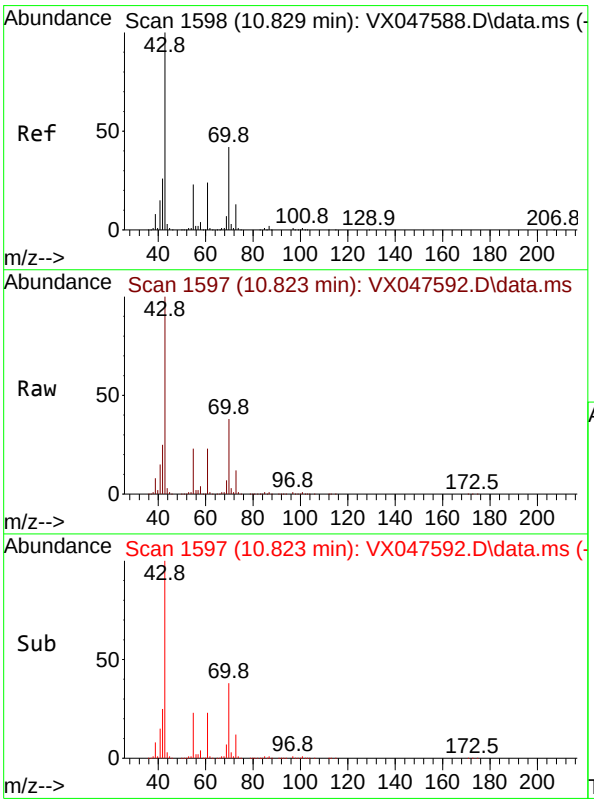
#73
Isopropylbenzene
Concen: 49.479 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:105 Resp: 523826

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.4

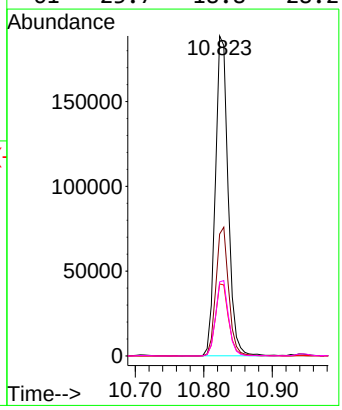


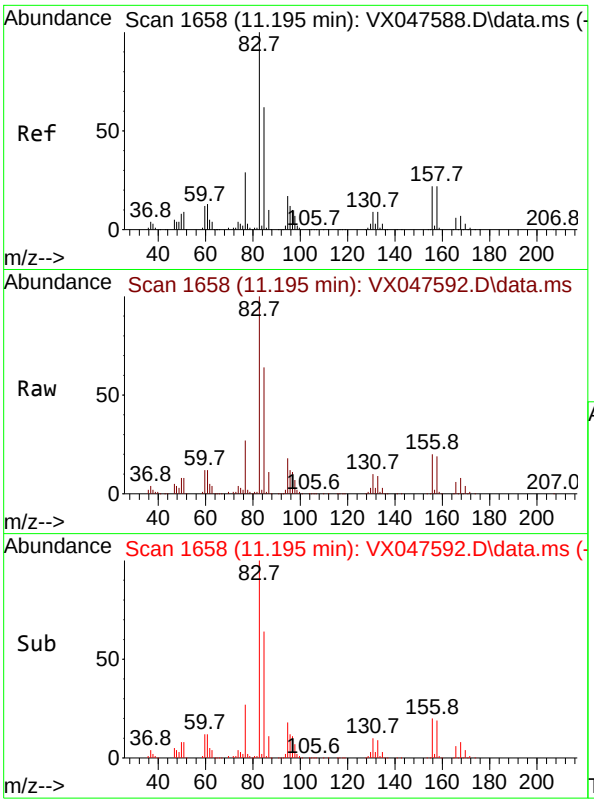


#74
N-amyl acetate
Concen: 50.375 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 243198

Ion	Ratio	Lower	Upper
43	100		
70	40.2	32.0	48.0
55	23.2	18.9	28.3
61	23.7	18.8	28.2



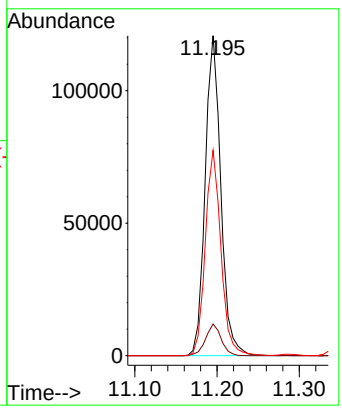


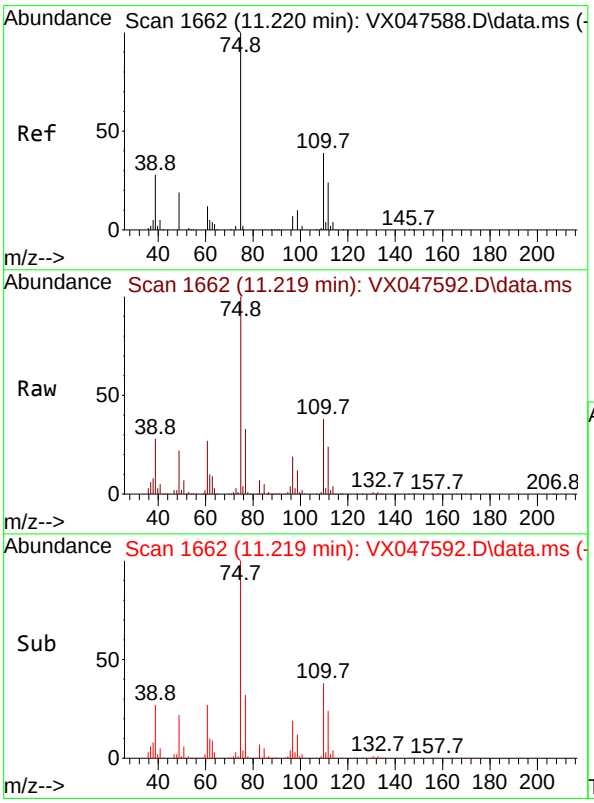
#75
1,1,2,2-Tetrachloroethane
Concen: 49.851 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 83 Resp: 159676

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	64.2	31.6	95.0

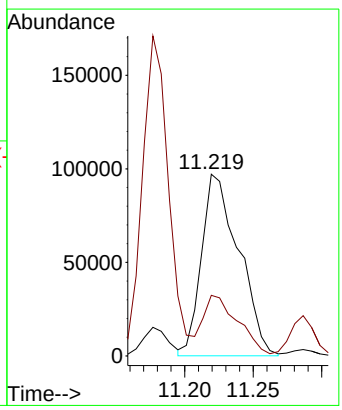


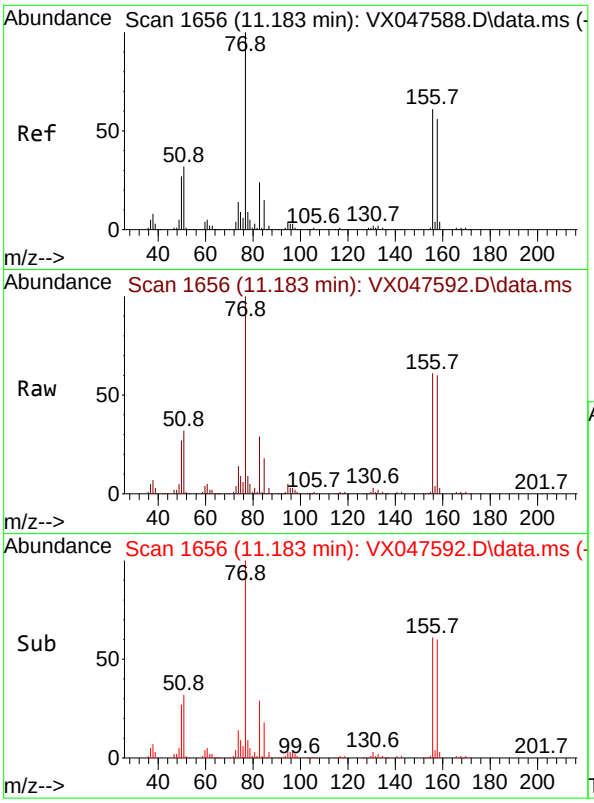


#76
1,2,3-Trichloropropane
Concen: 65.262 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 184000

Ion	Ratio	Lower	Upper
75	100		
77	30.9	18.8	56.4



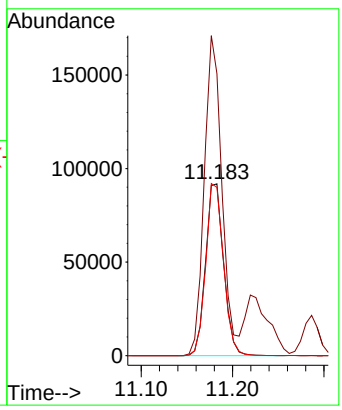


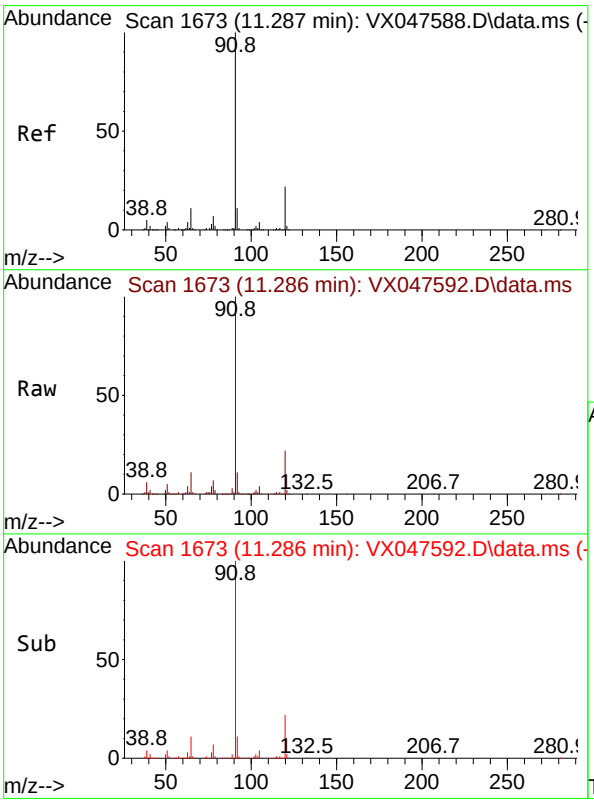
#77
Bromobenzene
Concen: 48.173 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:156 Resp: 125610

Ion	Ratio	Lower	Upper
156	100		
77	182.2	89.7	269.1
158	99.0	47.9	143.6

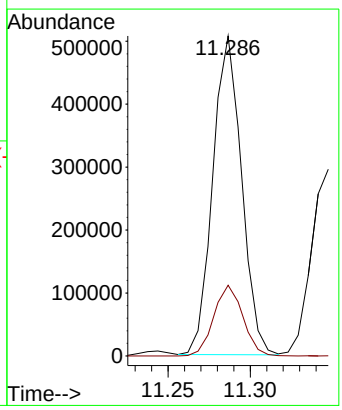


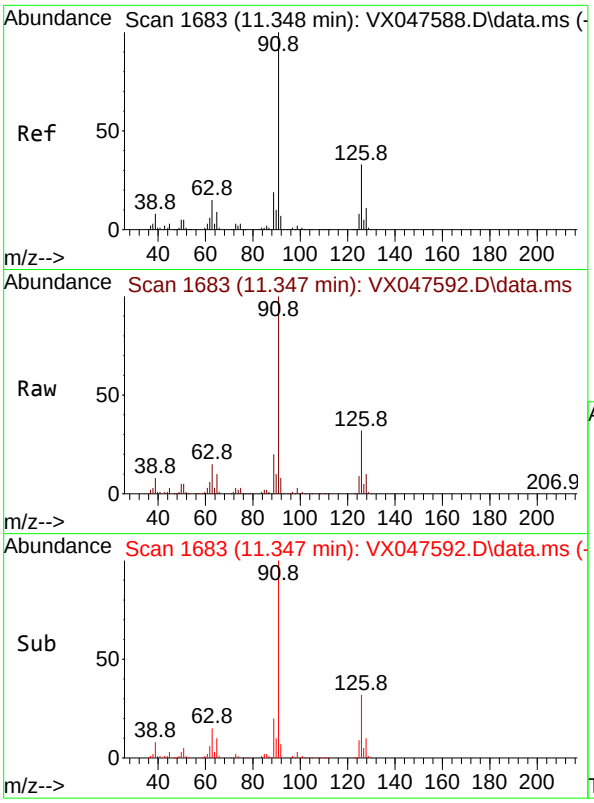


#78
n-propylbenzene
Concen: 49.295 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 616928

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1



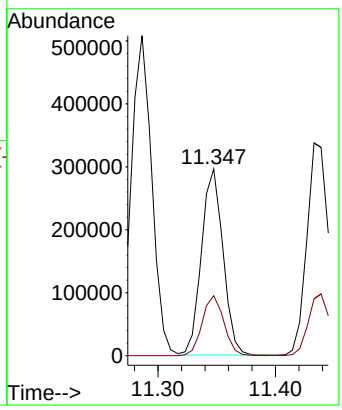


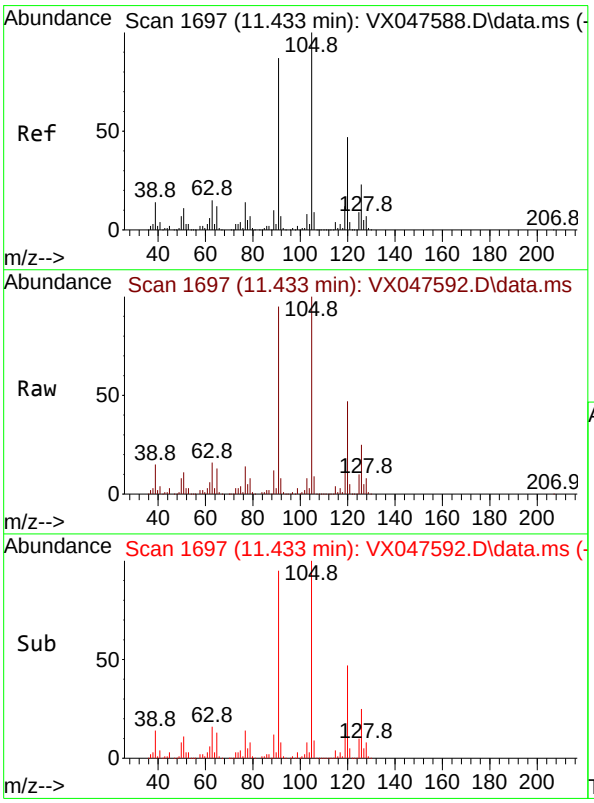
#79
2-Chlorotoluene
Concen: 49.117 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 91 Resp: 376486

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.1	48.3

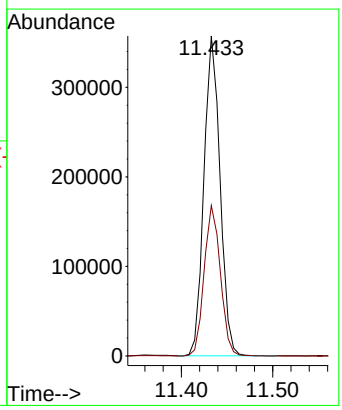


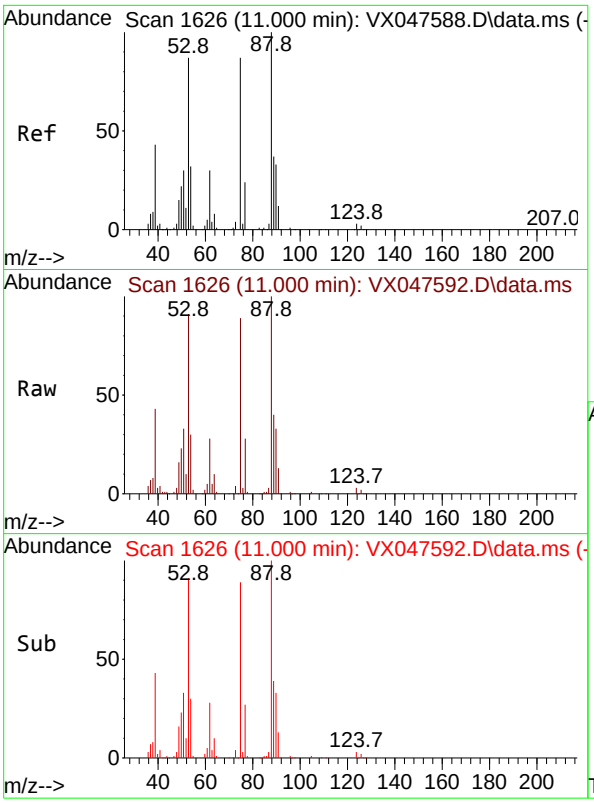


#80
1,3,5-Trimethylbenzene
Concen: 50.055 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:105 Resp: 435375

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.6	70.8



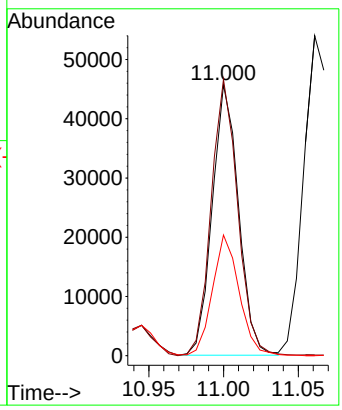


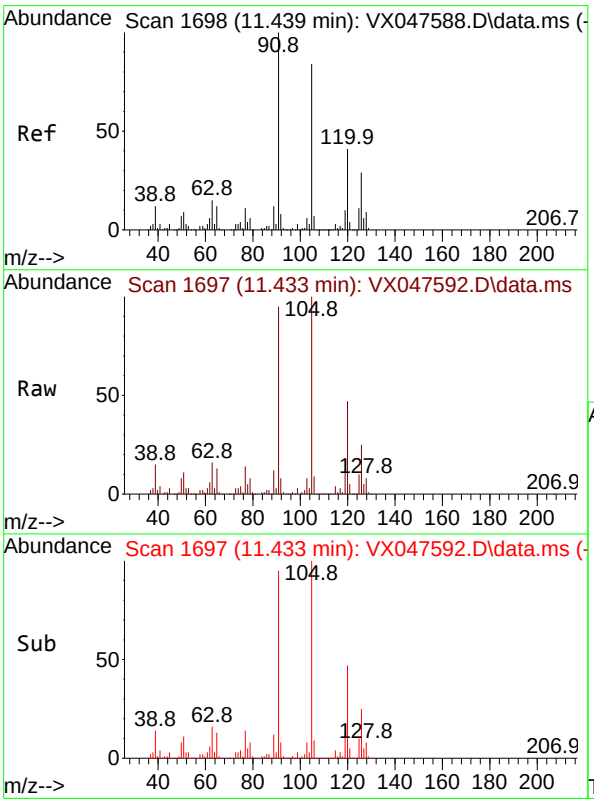
#81
trans-1,4-Dichloro-2-butene
Concen: 50.543 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 75 Resp: 55880

Ion	Ratio	Lower	Upper
75	100		
53	103.4	83.4	125.2
89	45.4	36.3	54.5

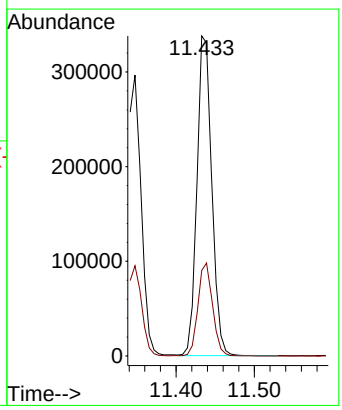


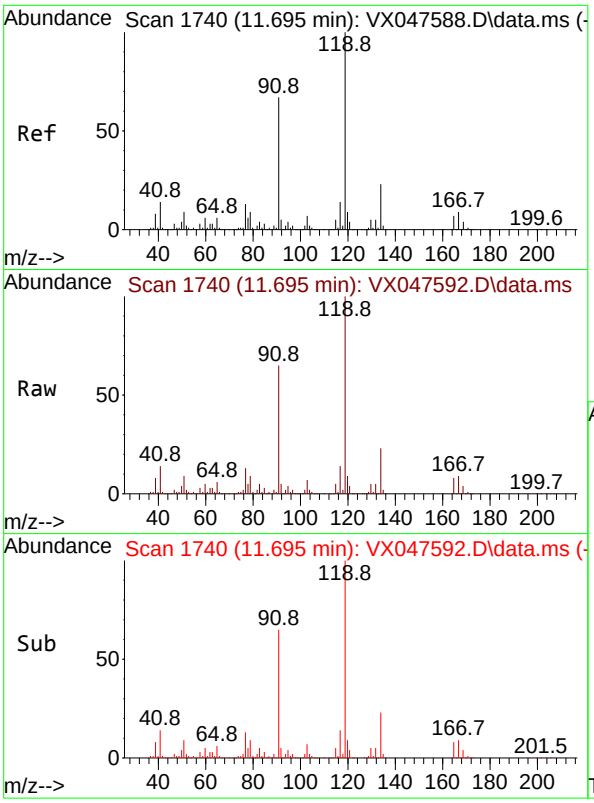


#82
4-Chlorotoluene
Concen: 49.164 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 445075

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6



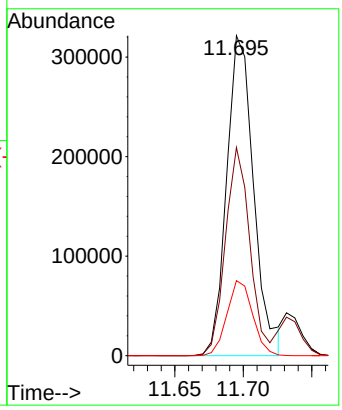


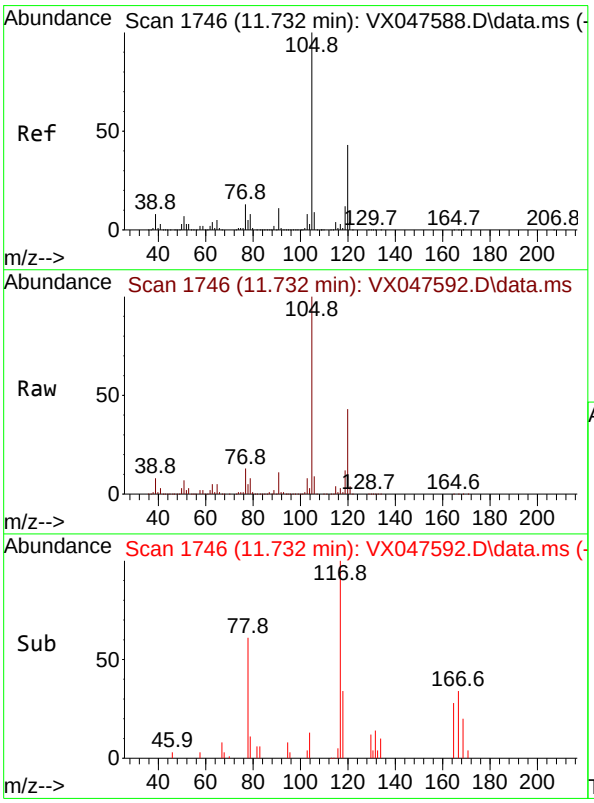
#83
tert-Butylbenzene
Concen: 49.679 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:119 Resp: 442341

Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.6	88.8
134	22.3	11.0	33.0

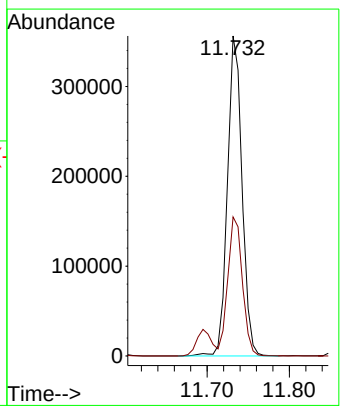


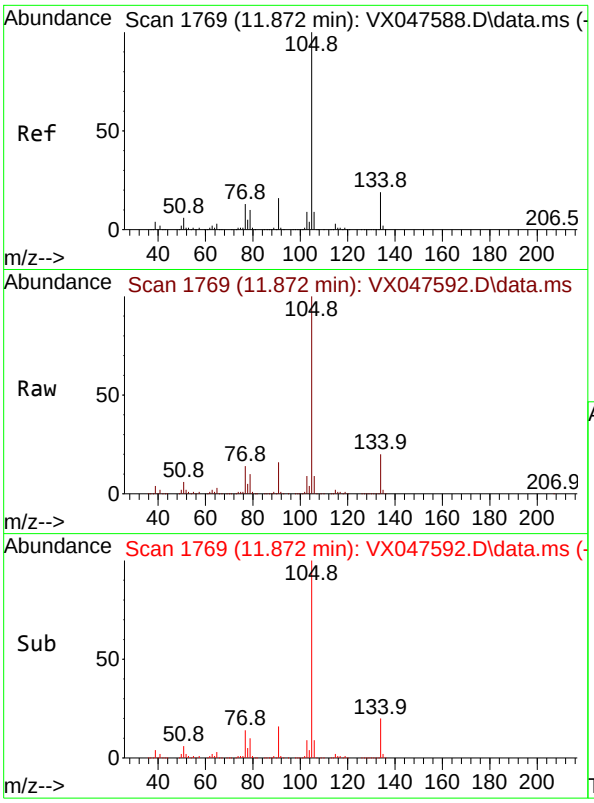


#84
1,2,4-Trimethylbenzene
Concen: 49.911 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:105 Resp: 440134

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.1



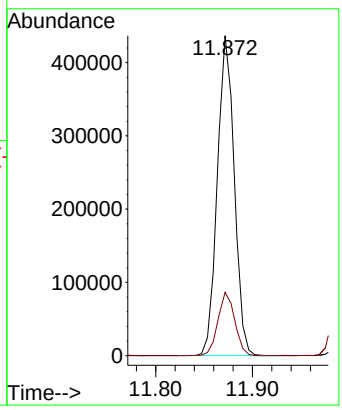


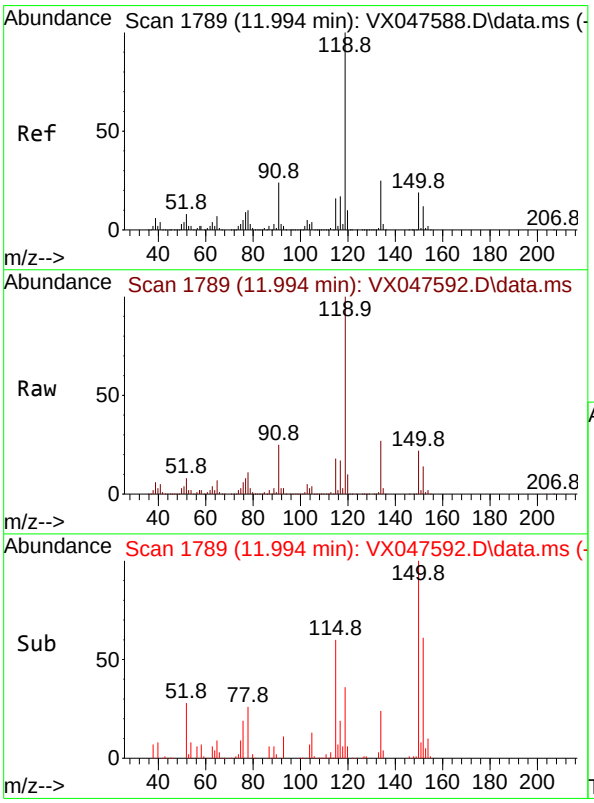
#85
sec-Butylbenzene
Concen: 50.100 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:105 Resp: 529869

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

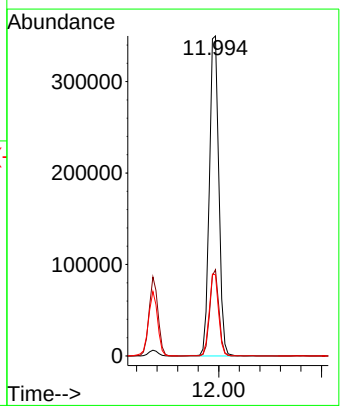


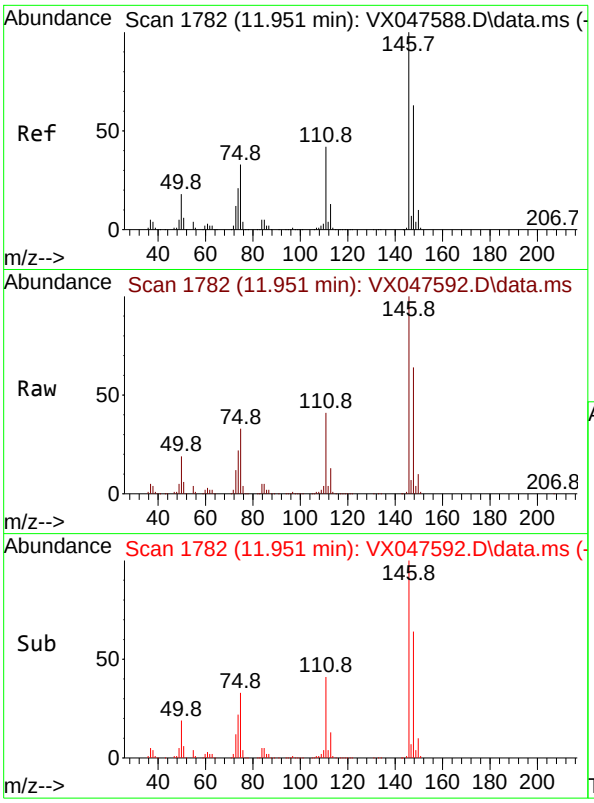


#86
p-Isopropyltoluene
Concen: 49.861 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:119 Resp: 446441

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	25.4	12.6	37.6



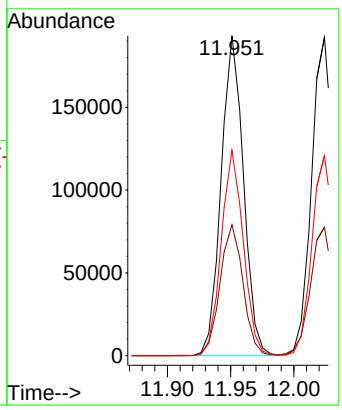


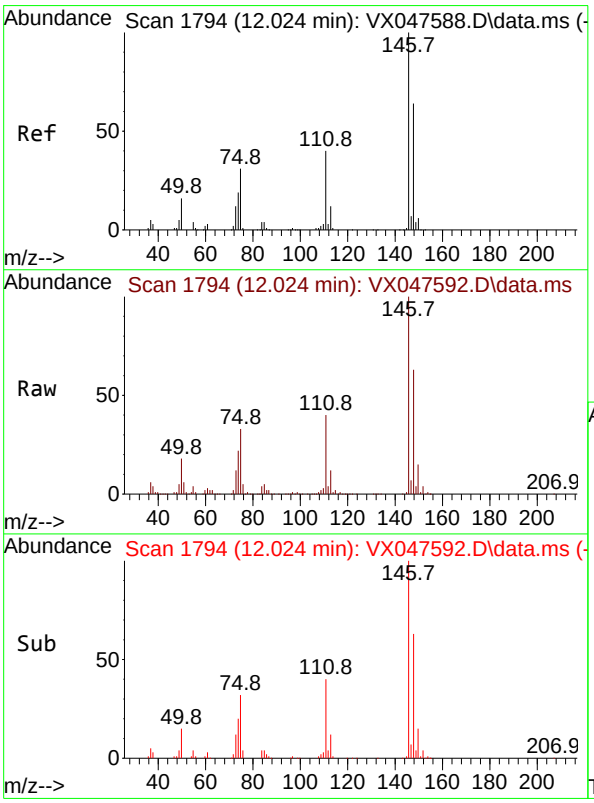
#87
1,3-Dichlorobenzene
Concen: 49.014 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:146 Resp: 237383

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.5	64.5
148	63.5	32.0	96.0

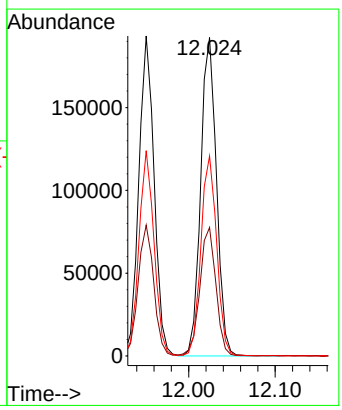


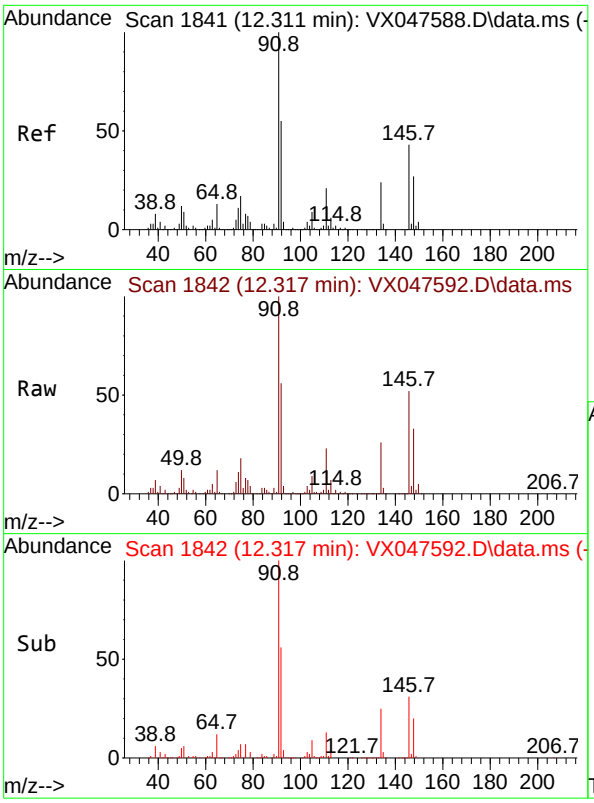


#88
1,4-Dichlorobenzene
Concen: 49.011 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:146 Resp: 243618

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.4
148	62.7	31.7	95.1



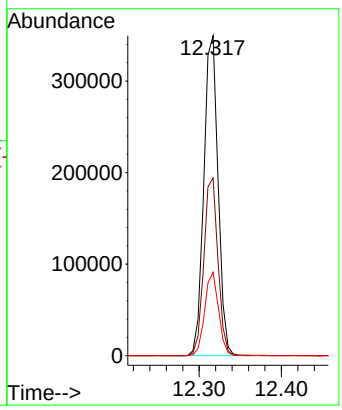


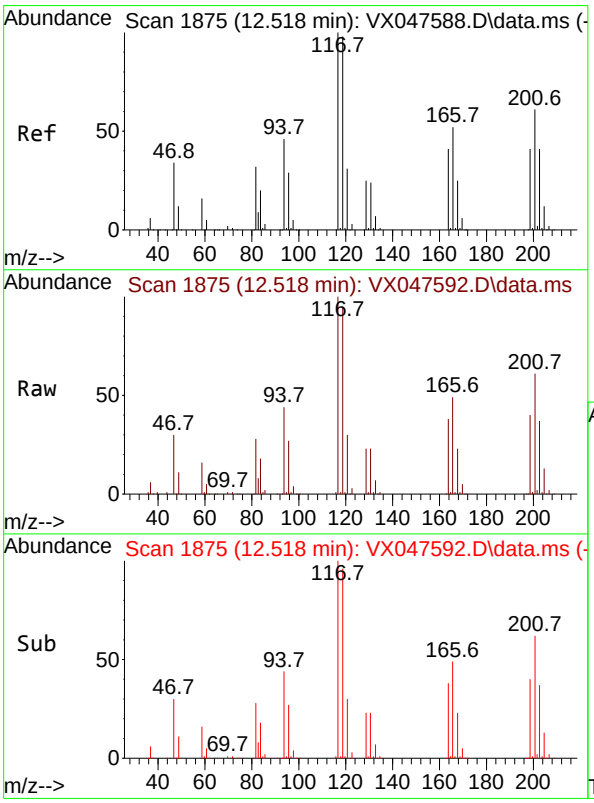
#89
n-Butylbenzene
Concen: 50.752 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 91 Resp: 420478

Ion	Ratio	Lower	Upper
91	100		
92	55.2	27.6	82.7
134	25.3	12.6	37.8

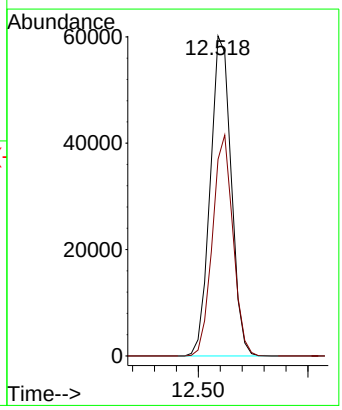


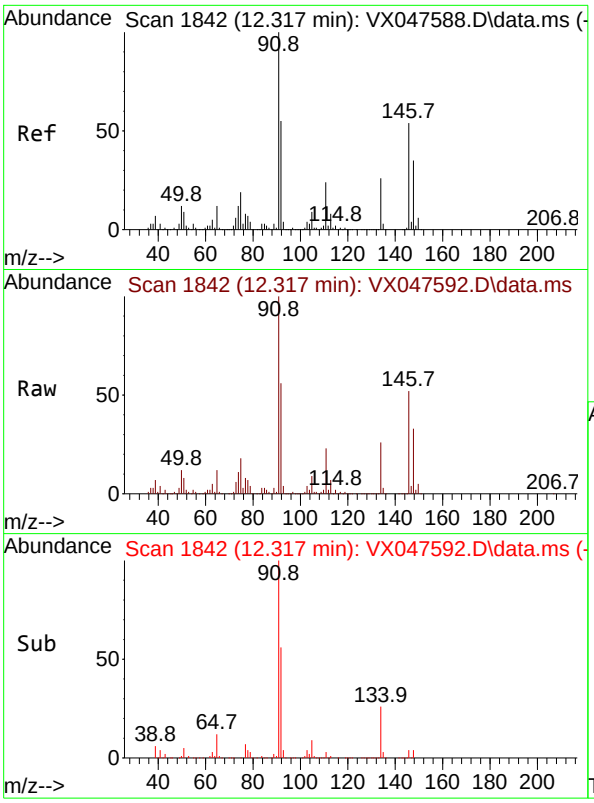


#90
Hexachloroethane
Concen: 50.732 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:117 Resp: 79751

Ion	Ratio	Lower	Upper
117	100		
201	67.7	34.2	102.5



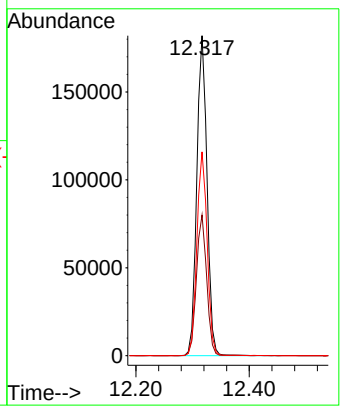


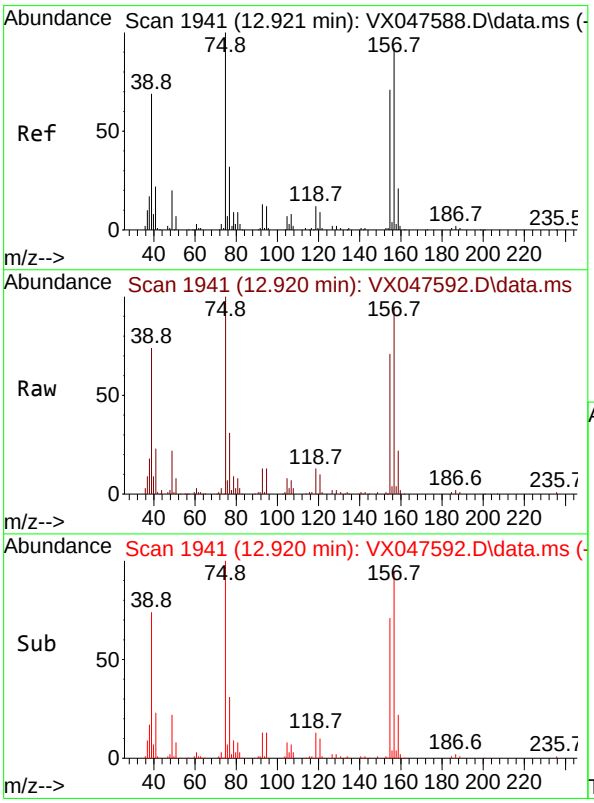
#91
1,2-Dichlorobenzene
Concen: 49.304 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:146 Resp: 227493

Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.2	66.6
148	64.1	31.8	95.4

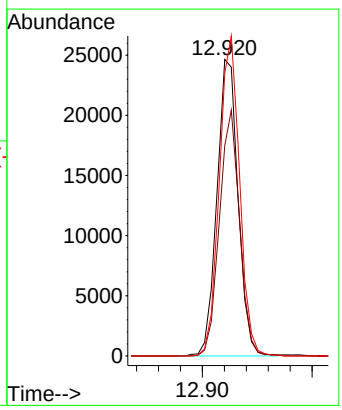


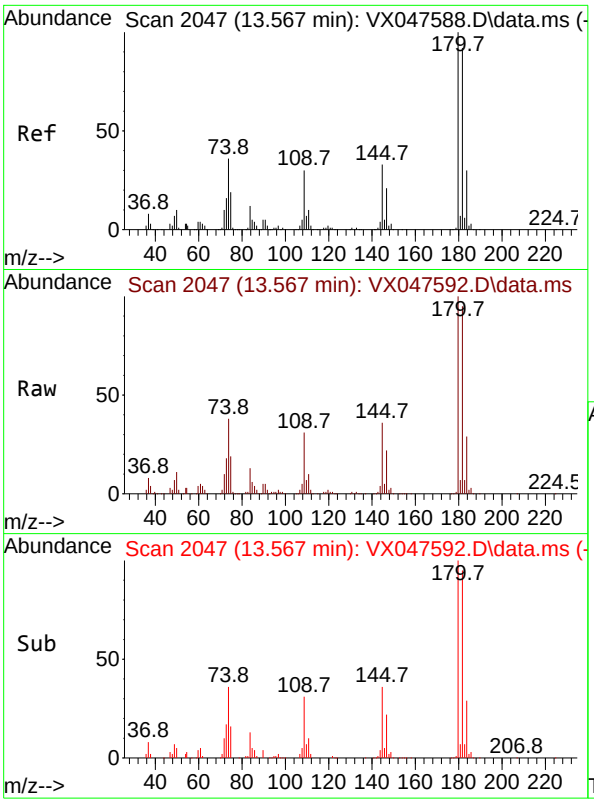


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.918 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 33020

Ion	Ratio	Lower	Upper
75	100		
155	79.1	37.7	113.1
157	103.2	49.8	149.4



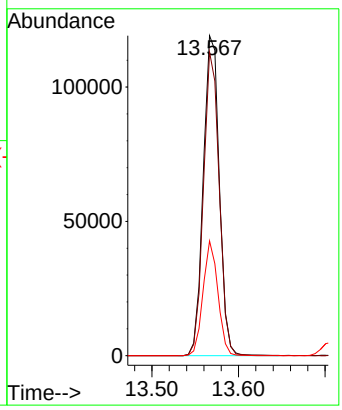


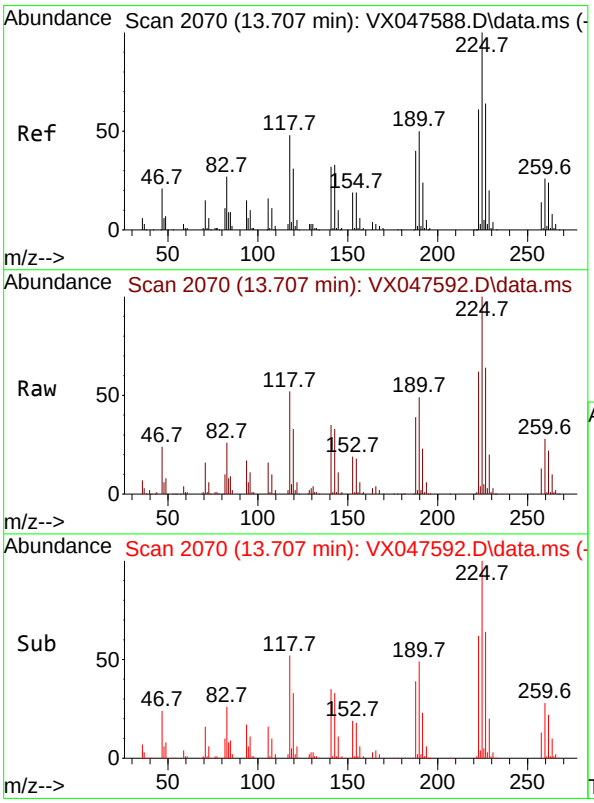
#93
1,2,4-Trichlorobenzene
Concen: 51.133 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:180 Resp: 153333

Ion	Ratio	Lower	Upper
180	100		
182	93.1	46.6	139.8
145	33.3	16.4	49.1

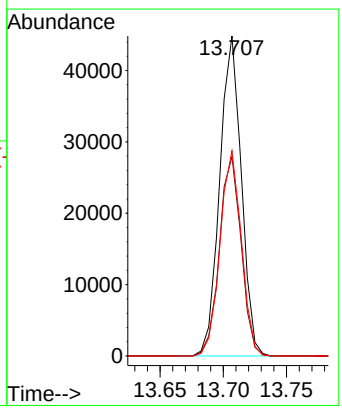


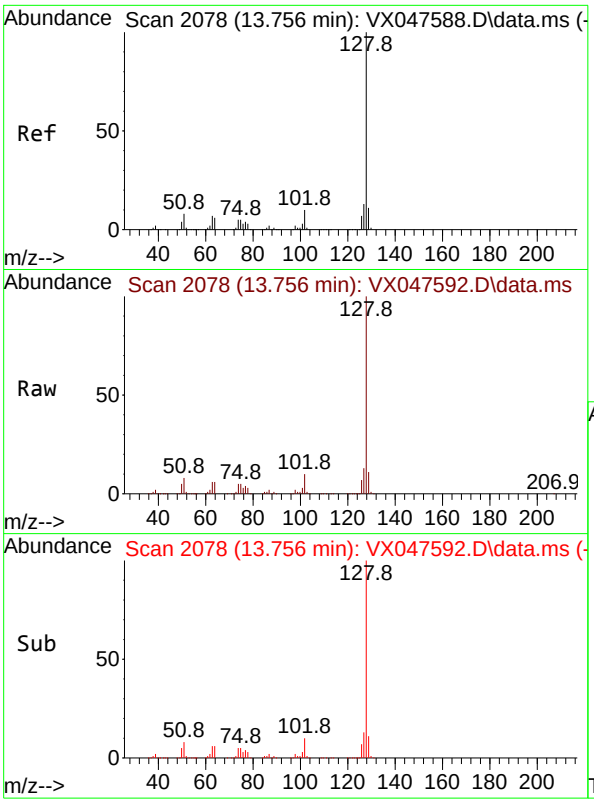


#94
Hexachlorobutadiene
Concen: 52.131 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:225 Resp: 53099

Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.7	95.1
227	63.3	32.0	96.0



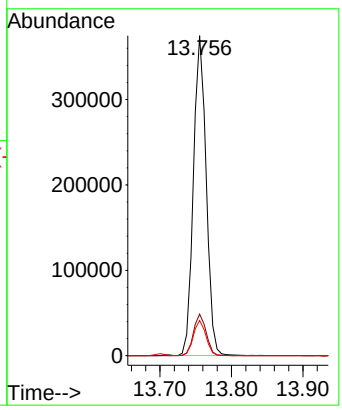


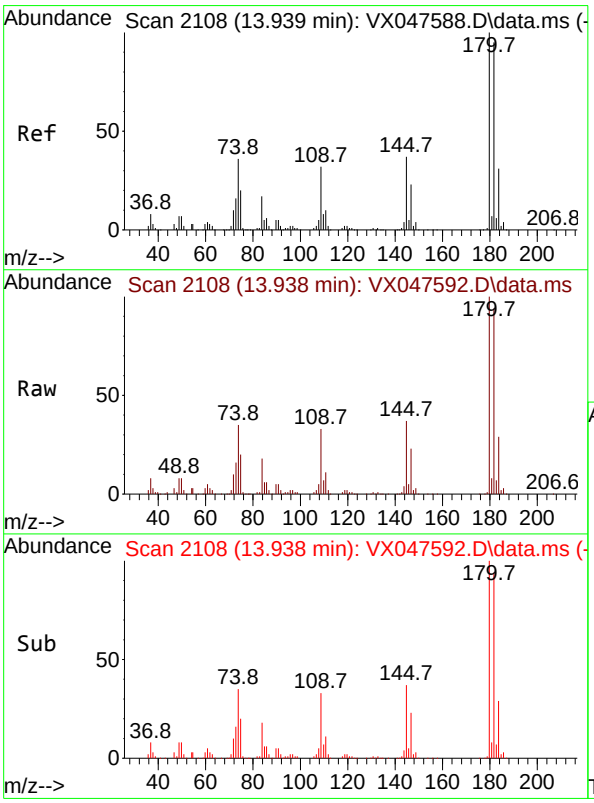
#95
Naphthalene
Concen: 50.836 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:128 Resp: 464206

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.9	8.8	13.2

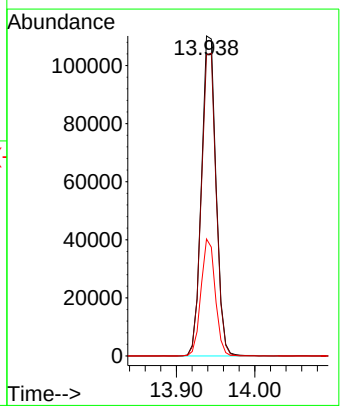




#96
1,2,3-Trichlorobenzene
Concen: 51.054 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:180 Resp: 142413

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.6	142.8
145	35.6	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047868.D
Acq On : 29 Sep 2025 08:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Sep 30 01:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	185893	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.738	114	309770	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	268975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	131495	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	129970	43.924	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 87.840%			
35) Dibromofluoromethane	5.367	113	101837	49.019	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.040%			
50) Toluene-d8	8.634	98	346572	48.212	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.420%			
62) 4-Bromofluorobenzene	11.061	95	126953	46.534	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	116708	60.629	ug/l	99
3) Chloromethane	1.300	50	125447	49.585	ug/l	99
4) Vinyl Chloride	1.380	62	135629	54.766	ug/l	98
5) Bromomethane	1.611	94	86419	55.030	ug/l	100
6) Chloroethane	1.691	64	84945	51.320	ug/l	99
7) Trichlorofluoromethane	1.892	101	199222	54.179	ug/l	99
8) Diethyl Ether	2.130	74	74991	49.855	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	119693	55.668	ug/l	99
10) Methyl Iodide	2.453	142	137605	41.036	ug/l	99
11) Tert butyl alcohol	2.946	59	87534	265.618	ug/l	100
12) 1,1-Dichloroethene	2.319	96	116491	52.744	ug/l	95
13) Acrolein	2.233	56	79028	260.231	ug/l	98
14) Allyl chloride	2.660	41	218958	48.043	ug/l	98
15) Acrylonitrile	3.056	53	338725	277.492	ug/l	99
16) Acetone	2.373	43	361134	280.697	ug/l	96
17) Carbon Disulfide	2.514	76	309661	51.215	ug/l	98
18) Methyl Acetate	2.696	43	163451	57.086	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	392389	48.669	ug/l	98
20) Methylene Chloride	2.782	84	131286	48.208	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	121835	51.238	ug/l	95
22) Diisopropyl ether	3.745	45	425099	48.128	ug/l #	80
23) Vinyl Acetate	3.709	43	1764450	249.599	ug/l	99
24) 1,1-Dichloroethane	3.599	63	231350	49.280	ug/l	99
25) 2-Butanone	4.532	43	448655	279.567	ug/l	99
26) 2,2-Dichloropropane	4.464	77	189672	48.604	ug/l	98
27) cis-1,2-Dichloroethene	4.471	96	142090	48.794	ug/l	98
28) Bromochloromethane	4.879	49	93704	45.720	ug/l	97
29) Tetrahydrofuran	4.983	42	264898	274.385	ug/l	99
30) Chloroform	5.074	83	231088	48.711	ug/l	99
31) Cyclohexane	5.452	56	184690	47.235	ug/l	99
32) 1,1,1-Trichloroethane	5.367	97	200353	49.790	ug/l	99
36) 1,1-Dichloropropene	5.672	75	151572	49.930	ug/l	98
37) Ethyl Acetate	4.696	43	173745	53.454	ug/l	99
38) Carbon Tetrachloride	5.659	117	173335	52.552	ug/l	97
39) Methylcyclohexane	7.366	83	179843	52.190	ug/l	96
40) Benzene	6.019	78	469430	50.913	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047868.D
Acq On : 29 Sep 2025 08:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Sep 30 01:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.897	41	92805	55.306	ug/l		99
42) 1,2-Dichloroethane	6.068	62	169122	48.208	ug/l		98
43) Isopropyl Acetate	6.318	43	275987	51.772	ug/l		99
44) Trichloroethene	7.104	130	116728	52.365	ug/l		97
45) 1,2-Dichloropropane	7.409	63	121849	51.610	ug/l		100
46) Dibromomethane	7.561	93	86727	50.480	ug/l		98
47) Bromodichloromethane	7.805	83	182124	51.370	ug/l		99
48) Methyl methacrylate	7.677	41	138099	52.008	ug/l		97
49) 1,4-Dioxane	7.641	88	36057	1343.657	ug/l		99
51) 4-Methyl-2-Pentanone	8.555	43	831427	281.303	ug/l		99
52) Toluene	8.702	92	285361	50.235	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	177961	49.211	ug/l		99
54) cis-1,3-Dichloropropene	8.348	75	192314	49.755	ug/l		99
55) 1,1,2-Trichloroethane	9.134	97	111620	50.959	ug/l		98
56) Ethyl methacrylate	9.098	69	180325	52.421	ug/l		97
57) 1,3-Dichloropropane	9.293	76	190862	50.725	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	478951	288.479	ug/l		99
59) 2-Hexanone	9.415	43	603746	284.417	ug/l		98
60) Dibromochloromethane	9.506	129	133727	52.986	ug/l		100
61) 1,2-Dibromoethane	9.592	107	116932	52.412	ug/l		100
64) Tetrachloroethene	9.256	164	90723	51.740	ug/l		98
65) Chlorobenzene	10.061	112	311914	51.045	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.146	131	109941	52.139	ug/l		100
67) Ethyl Benzene	10.177	91	541862	51.394	ug/l		99
68) m/p-Xylenes	10.287	106	409378	104.318	ug/l		97
69) o-Xylene	10.622	106	192409	50.691	ug/l		99
70) Styrene	10.640	104	339311	51.017	ug/l		99
71) Bromoform	10.780	173	88291	56.076	ug/l	#	97
73) Isopropylbenzene	10.945	105	509330	50.948	ug/l		100
74) N-amyl acetate	10.823	43	233722	51.268	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	162045	53.575	ug/l		99
76) 1,2,3-Trichloropropane	11.219	75	182840	68.676	ug/l		92
77) Bromobenzene	11.183	156	123612	50.204	ug/l		95
78) n-propylbenzene	11.286	91	604446	51.147	ug/l		99
79) 2-Chlorotoluene	11.347	91	354495	48.976	ug/l		98
80) 1,3,5-Trimethylbenzene	11.433	105	414443	50.459	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	52874	50.645	ug/l		97
82) 4-Chlorotoluene	11.439	91	419046	49.019	ug/l		98
83) tert-Butylbenzene	11.695	119	427258	50.816	ug/l		98
84) 1,2,4-Trimethylbenzene	11.731	105	417985	50.196	ug/l		98
85) sec-Butylbenzene	11.872	105	512347	51.301	ug/l		100
86) p-Isopropyltoluene	11.988	119	430271	50.890	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	228315	49.923	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	229920	48.983	ug/l		99
89) n-Butylbenzene	12.317	91	402968	51.508	ug/l		99
90) Hexachloroethane	12.518	117	78523	52.897	ug/l		99
91) 1,2-Dichlorobenzene	12.317	146	218366	50.118	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	33228	54.261	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	138822	49.024	ug/l		98
94) Hexachlorobutadiene	13.707	225	48414	50.335	ug/l		99
95) Naphthalene	13.756	128	447951	51.950	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	132359	50.248	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047868.D
Acq On : 29 Sep 2025 08:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Sep 30 01:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

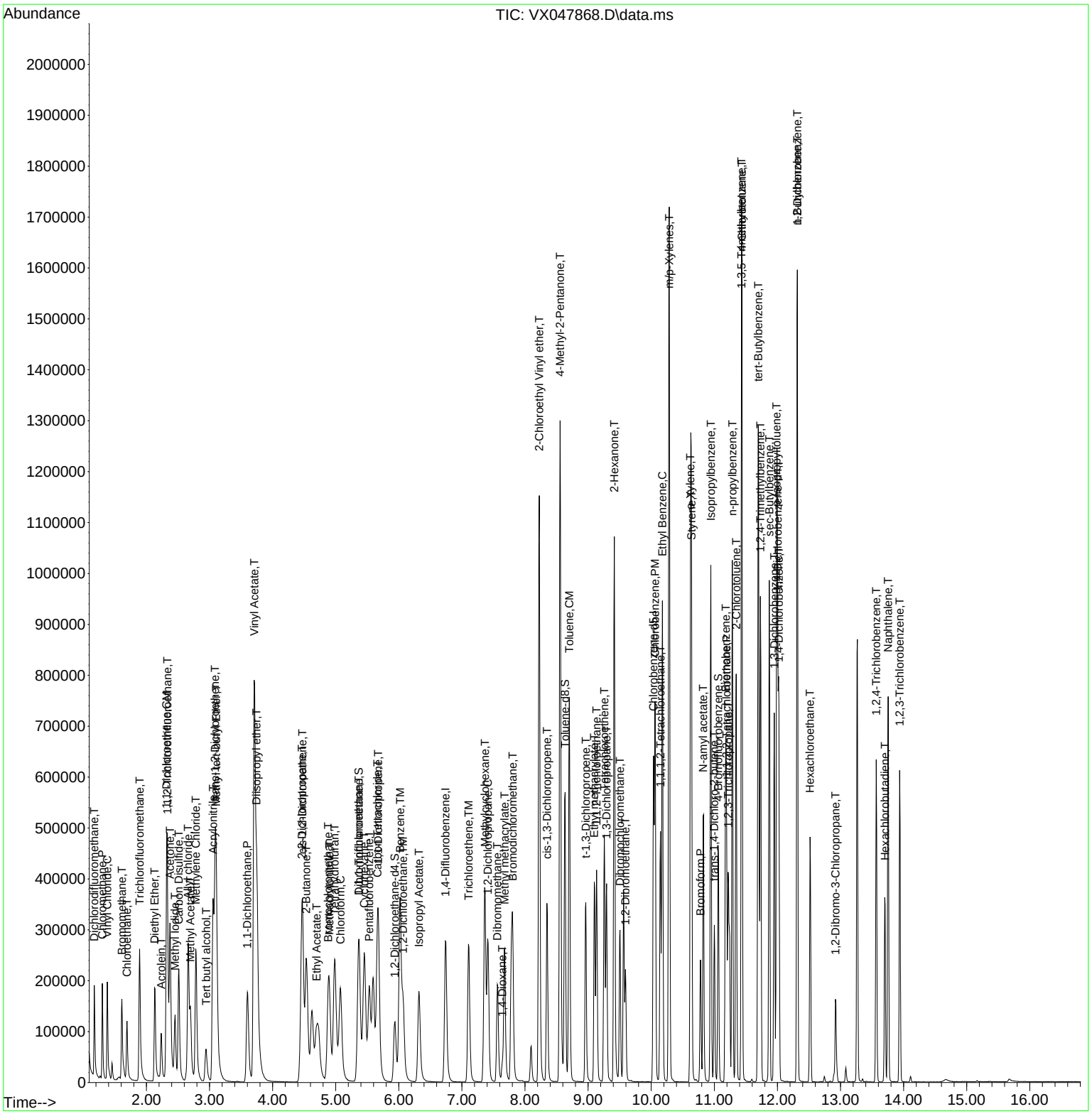
(#) = qualifier out of range (m) = manual integration (+) = signals summed

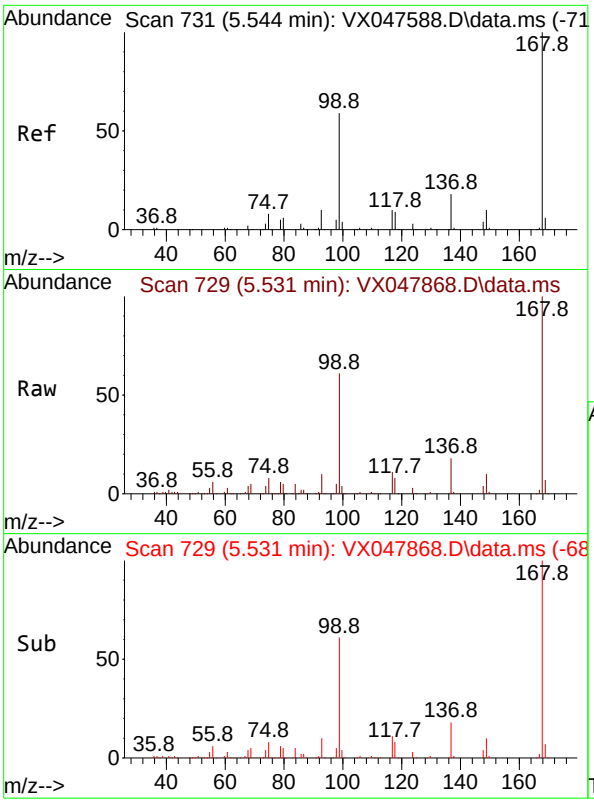
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047868.D
Acq On : 29 Sep 2025 08:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Sep 30 01:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



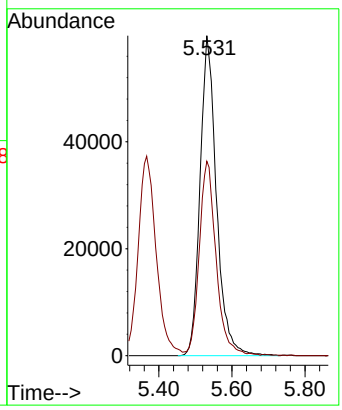


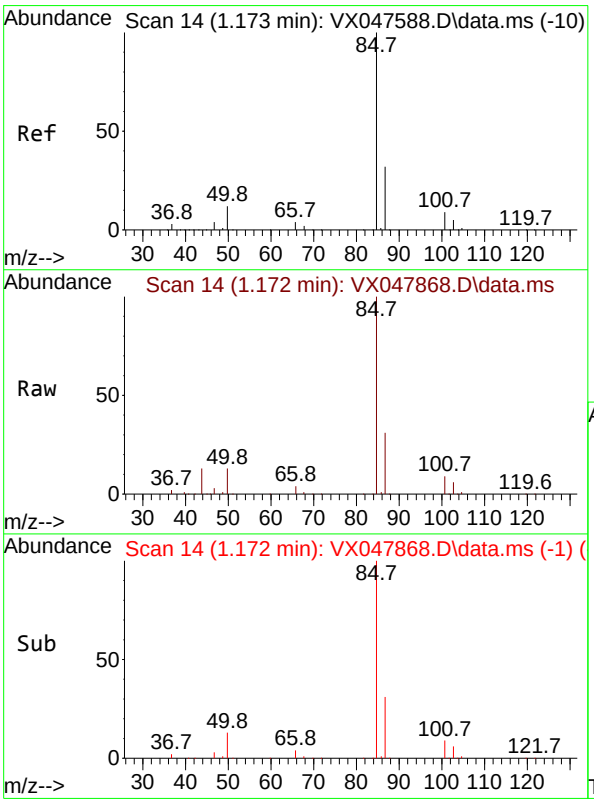
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 185893

Ion	Ratio	Lower	Upper
168	100		
99	60.6	48.8	73.2

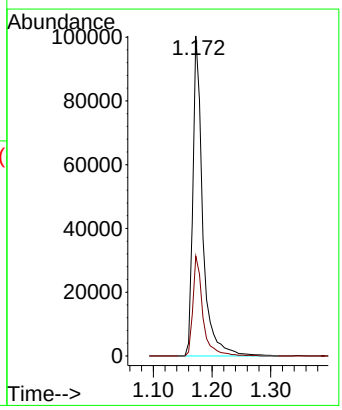


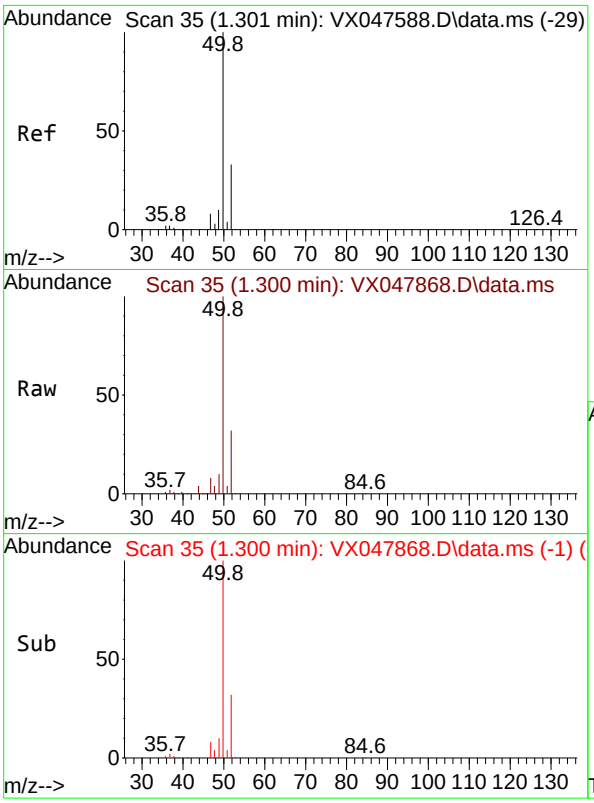


#2
Dichlorodifluoromethane
Concen: 60.629 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 85 Resp: 116708

Ion	Ratio	Lower	Upper
85	100		
87	31.2	15.8	47.3



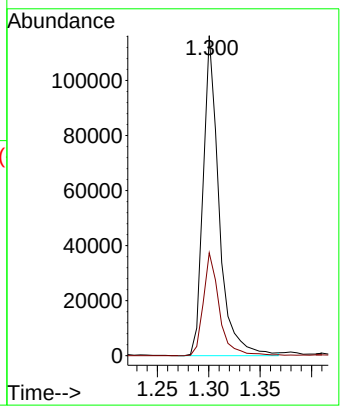


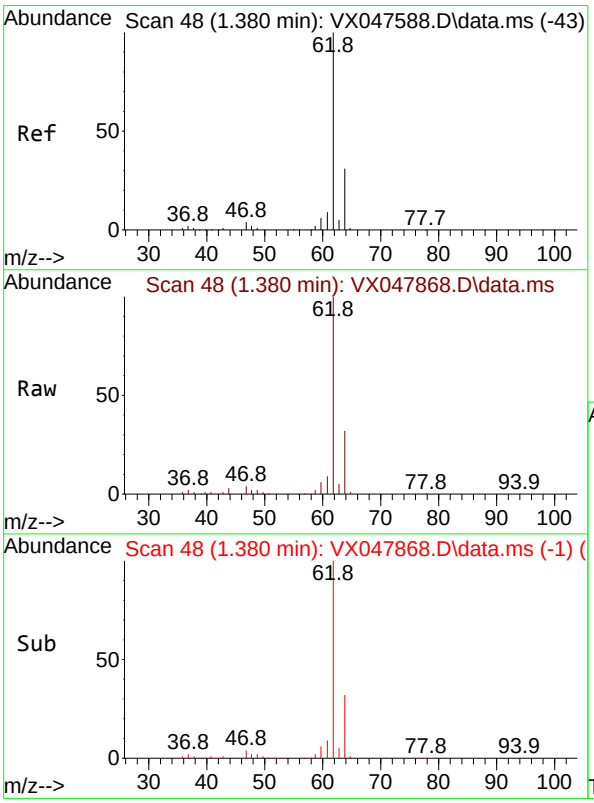
#3
Chloromethane
Concen: 49.585 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 125447

Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.1	39.1

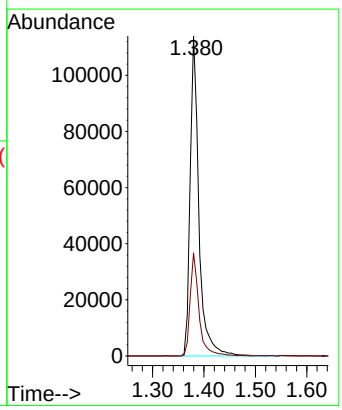


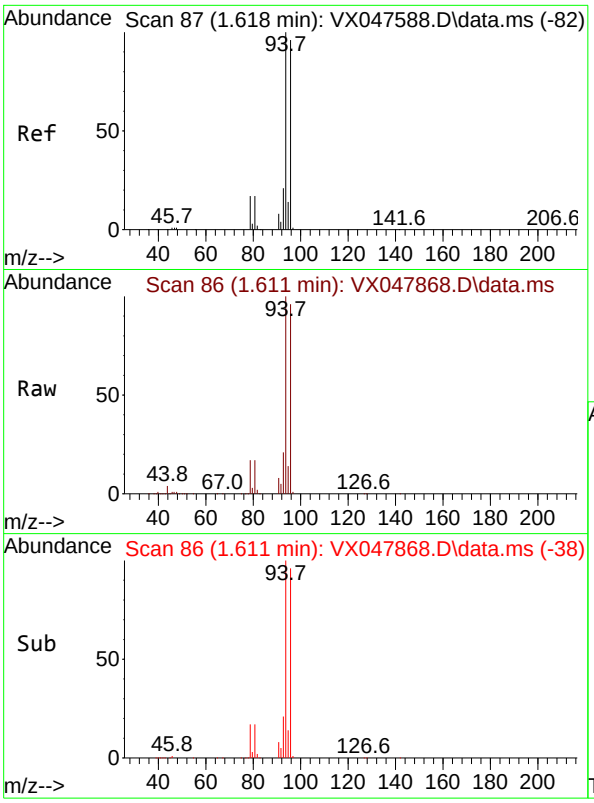


#4
Vinyl Chloride
Concen: 54.766 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 62 Resp: 135629

Ion	Ratio	Lower	Upper
62	100		
64	32.3	24.9	37.3



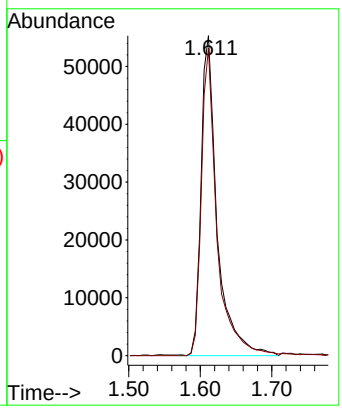


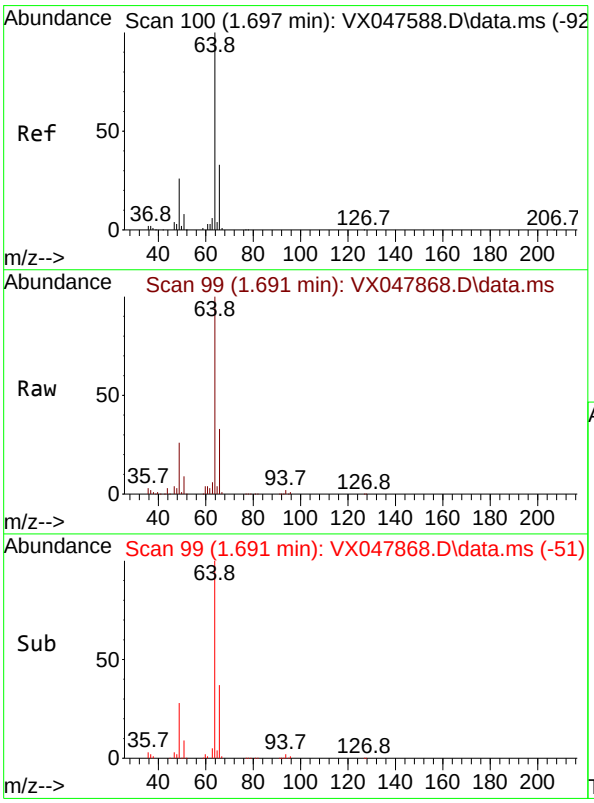
#5
Bromomethane
Concen: 55.030 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 86419

Ion	Ratio	Lower	Upper
94	100		
96	96.1	76.6	115.0

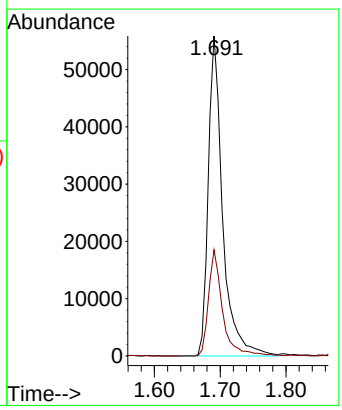


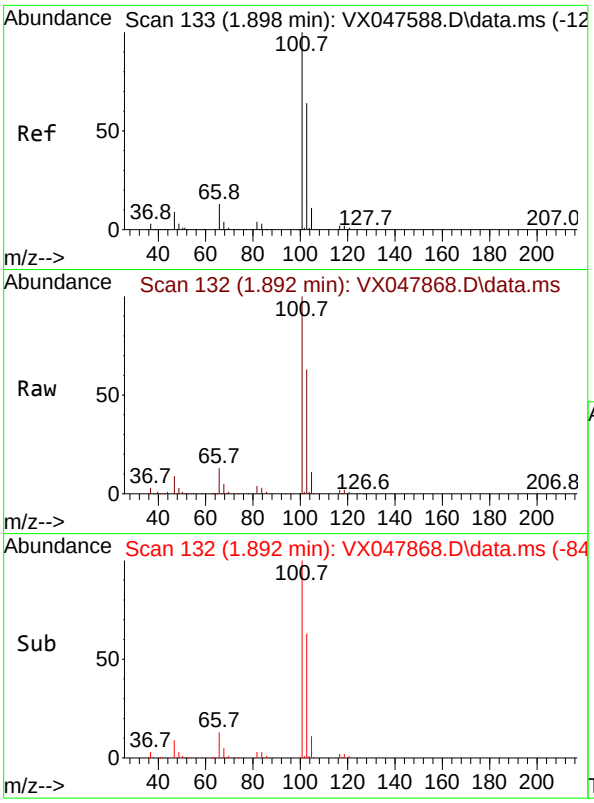


#6
Chloroethane
Concen: 51.320 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 64 Resp: 84945

Ion	Ratio	Lower	Upper
64	100		
66	33.1	26.1	39.1



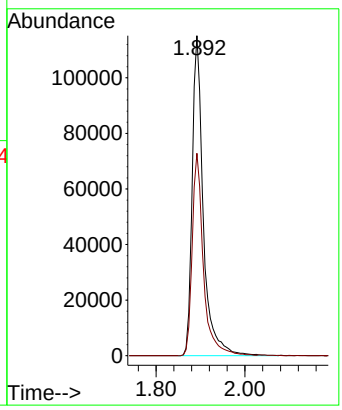


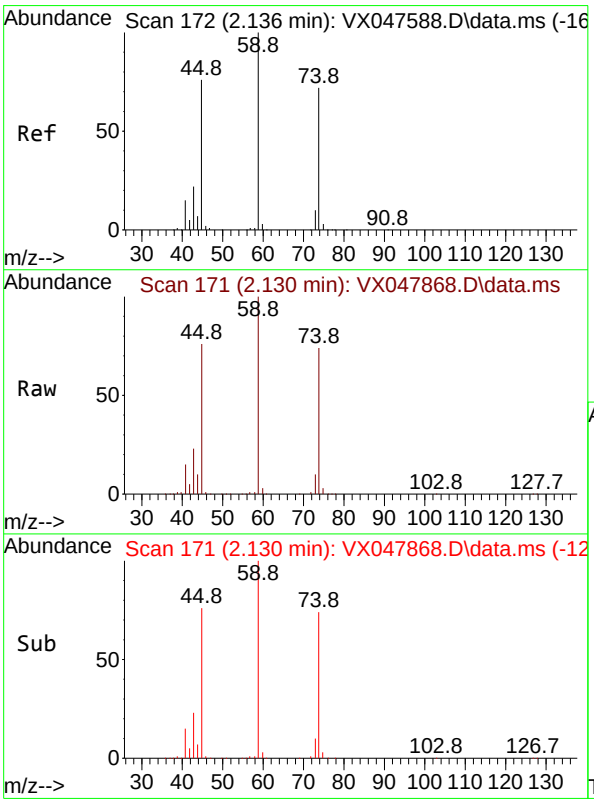
#7
Trichlorofluoromethane
Concen: 54.179 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 199222

Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.4	77.2

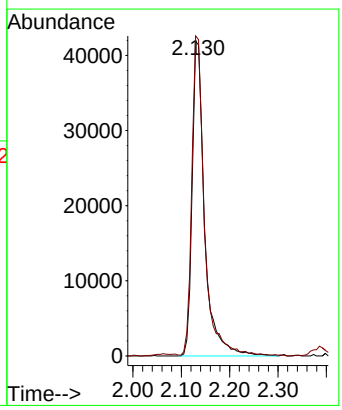


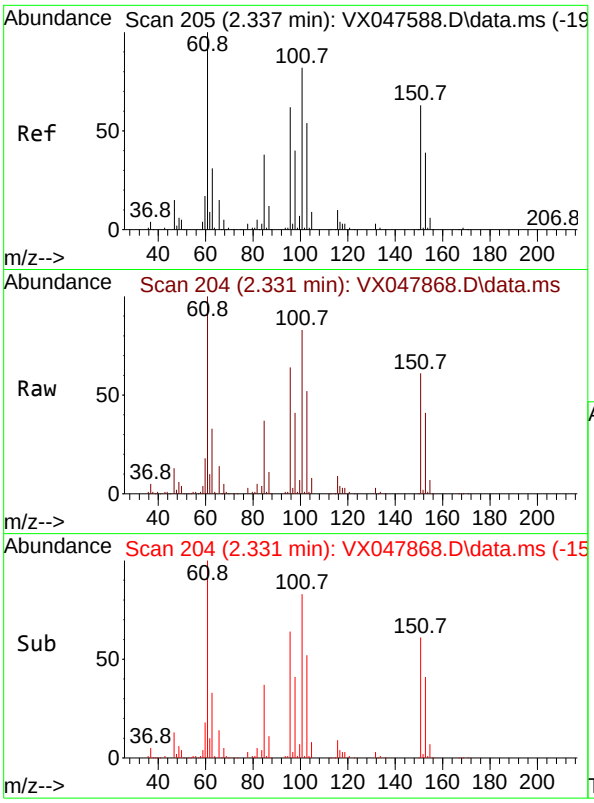


#8
Diethyl Ether
Concen: 49.855 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 74 Resp: 74991

Ion	Ratio	Lower	Upper
74	100		
45	101.6	52.3	156.8



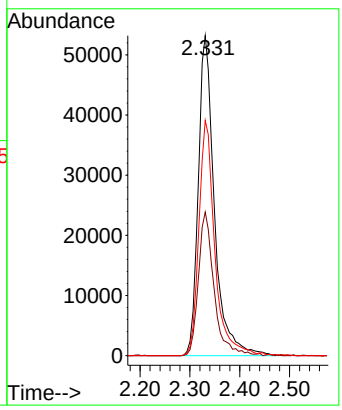


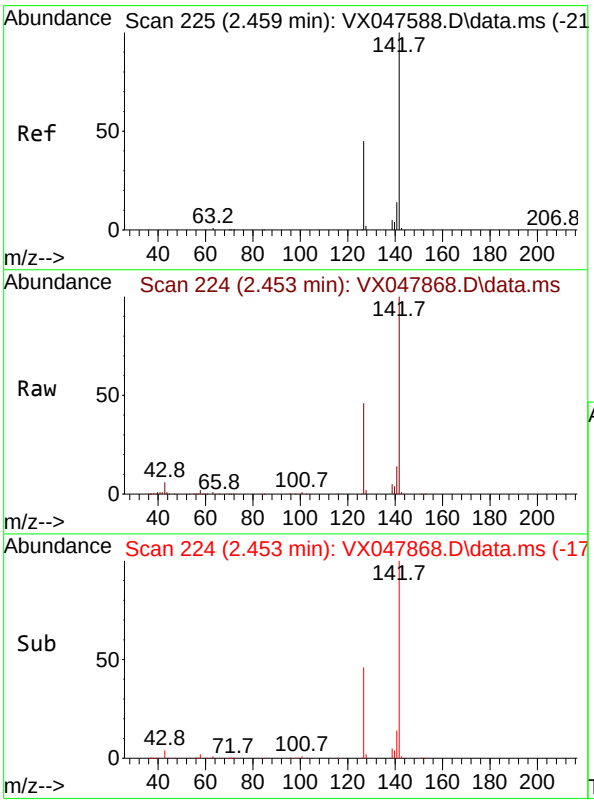
#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.668 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 119693

Ion	Ratio	Lower	Upper
101	100		
85	43.6	35.5	53.3
151	72.8	59.4	89.0

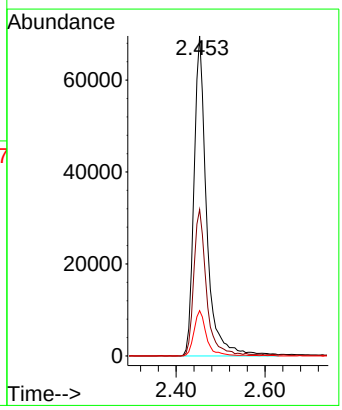


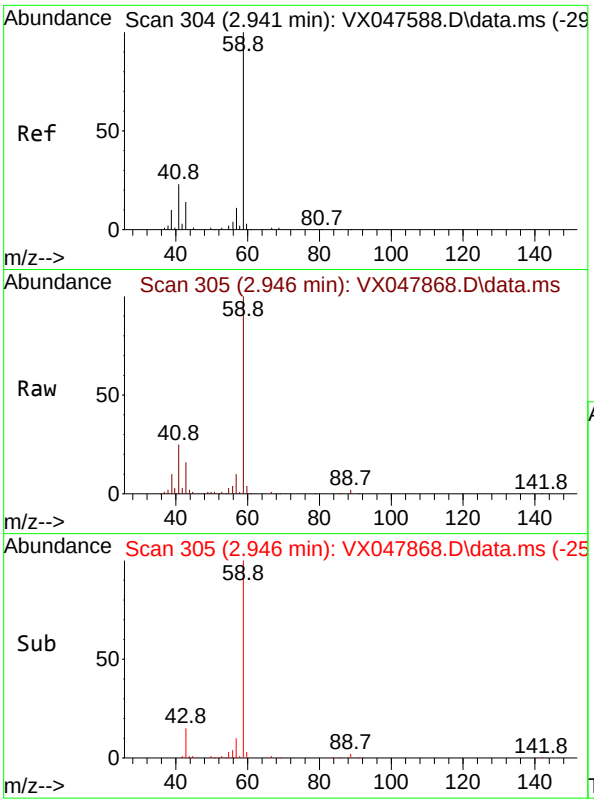


#10
Methyl Iodide
Concen: 41.036 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:142 Resp: 137605

Ion	Ratio	Lower	Upper
142	100		
127	45.6	37.2	55.8
141	13.9	11.4	17.0



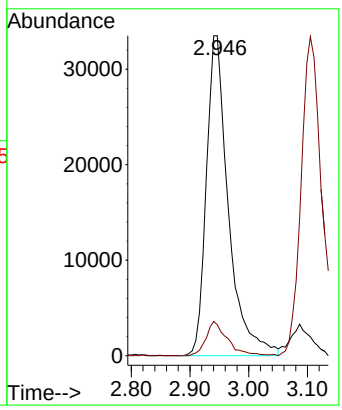


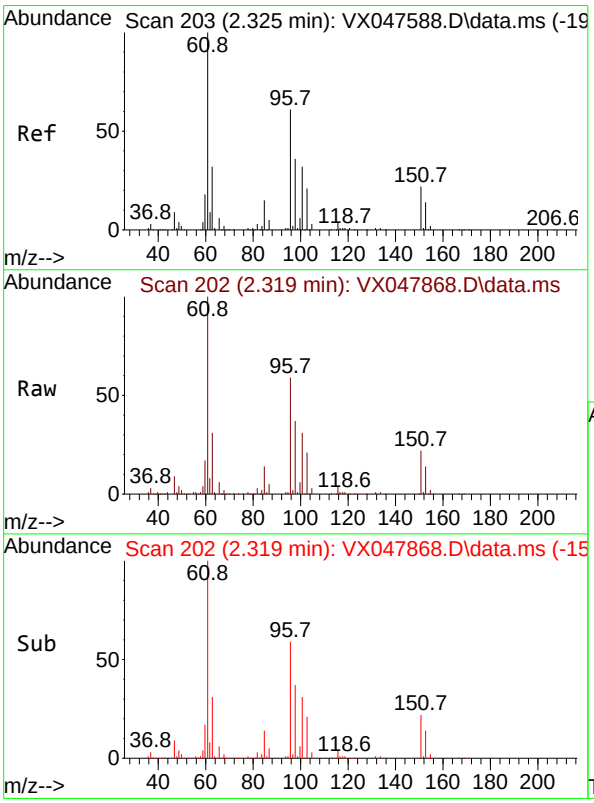
#11
Tert butyl alcohol
Concen: 265.618 ug/l
RT: 2.946 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 87534

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5

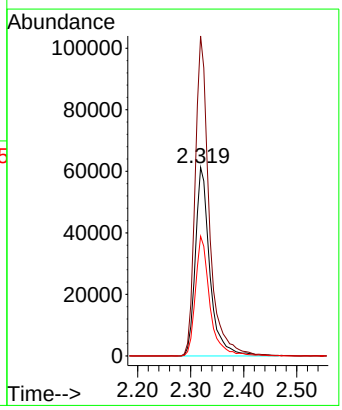


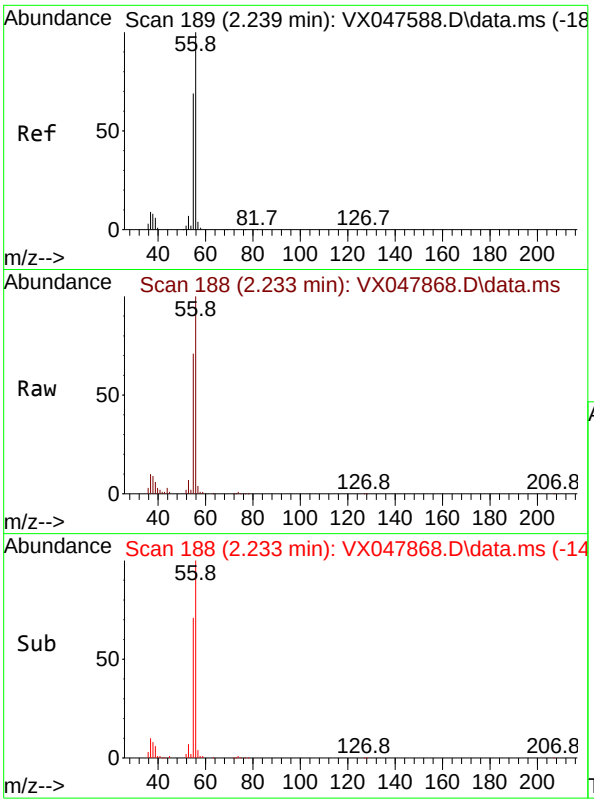


#12
1,1-Dichloroethene
Concen: 52.744 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 96 Resp: 116491

Ion	Ratio	Lower	Upper
96	100		
61	169.7	131.0	196.6
98	63.4	47.7	71.5



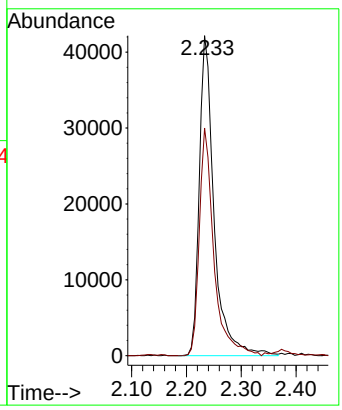


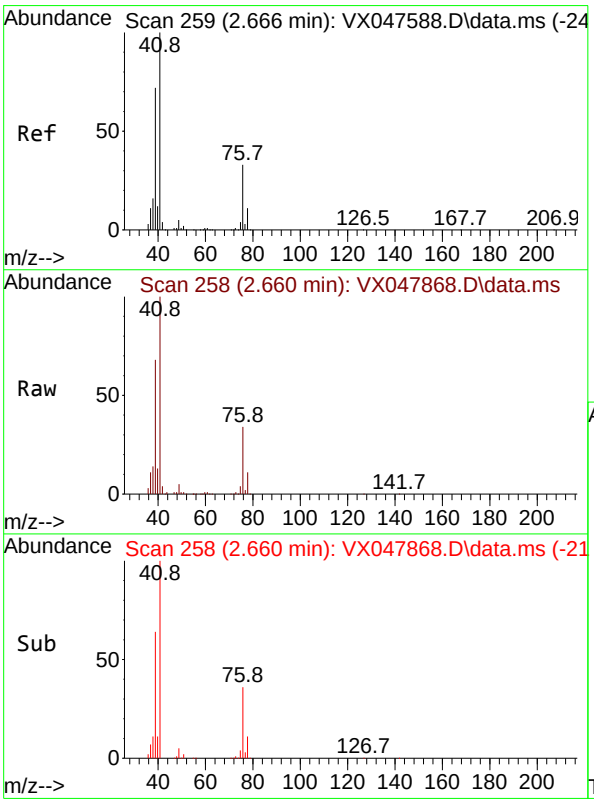
#13
Acrolein
Concen: 260.231 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 79028

Ion	Ratio	Lower	Upper
56	100		
55	70.2	57.2	85.8

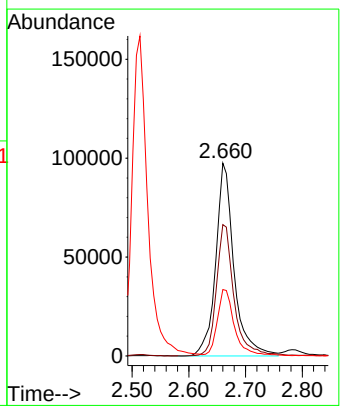


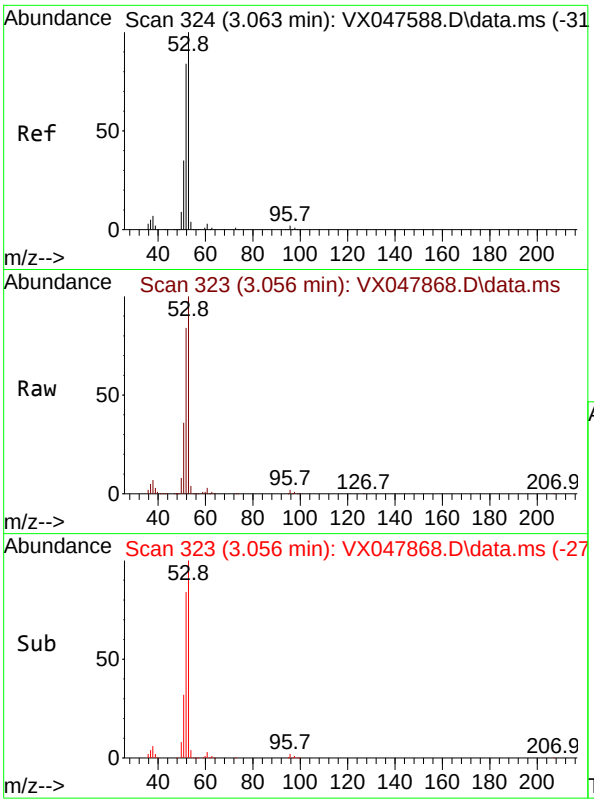


#14
Allyl chloride
Concen: 48.043 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 41 Resp: 218958

Ion	Ratio	Lower	Upper
41	100		
39	65.5	54.7	82.1
76	32.1	25.7	38.5



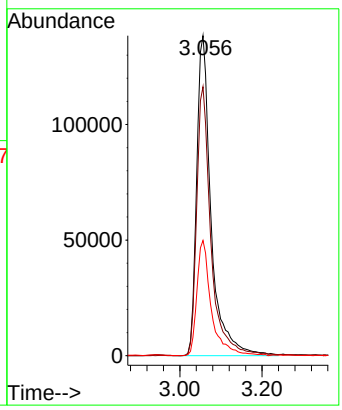


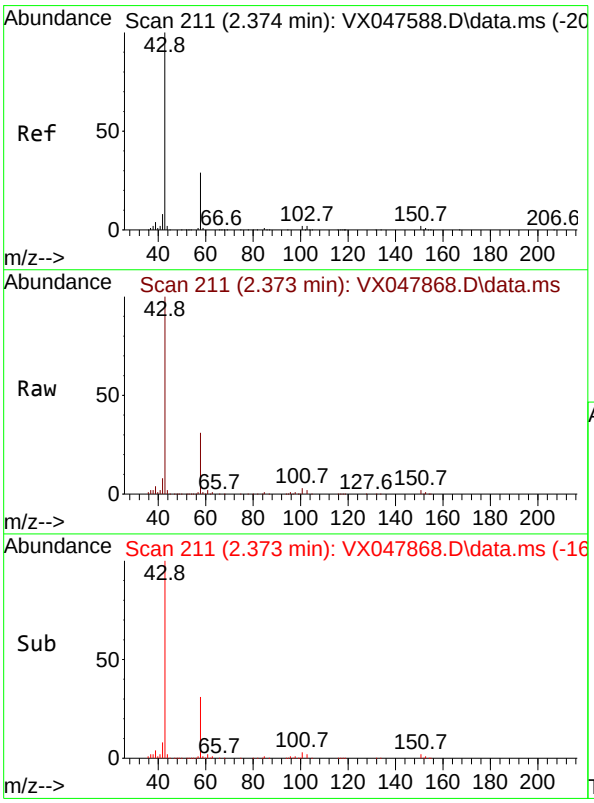
#15
Acrylonitrile
Concen: 277.492 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 338725

Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.4	99.6
51	36.0	29.5	44.3

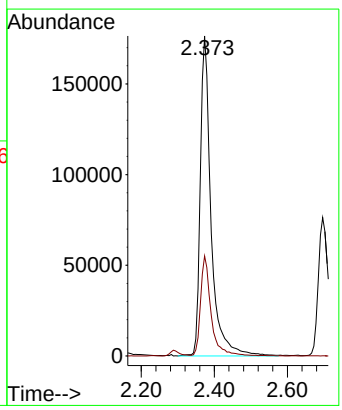


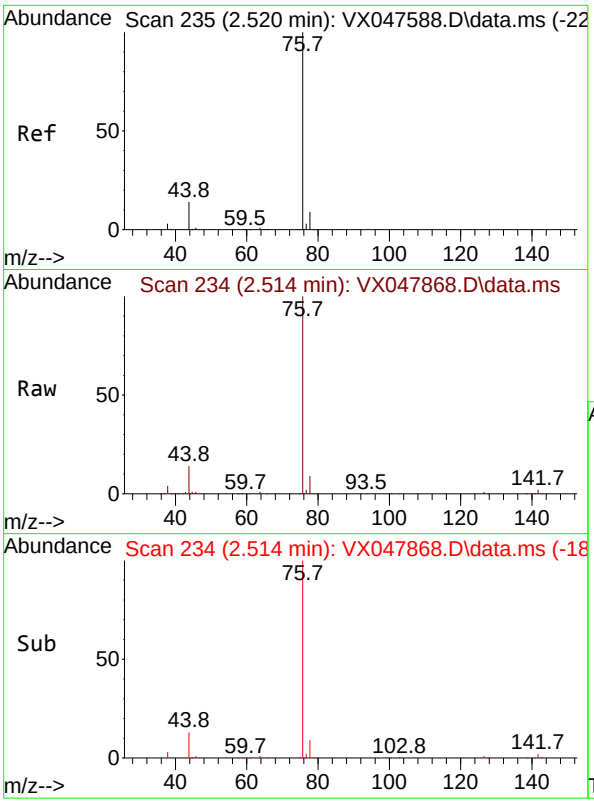


#16
Acetone
Concen: 280.697 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 43 Resp: 361134

Ion	Ratio	Lower	Upper
43	100		
58	31.3	23.4	35.0



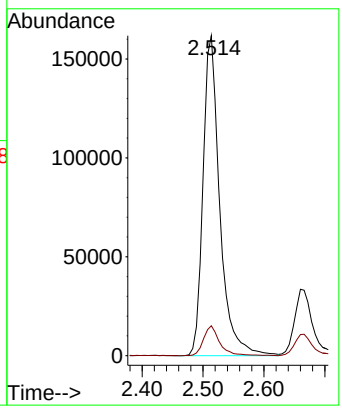


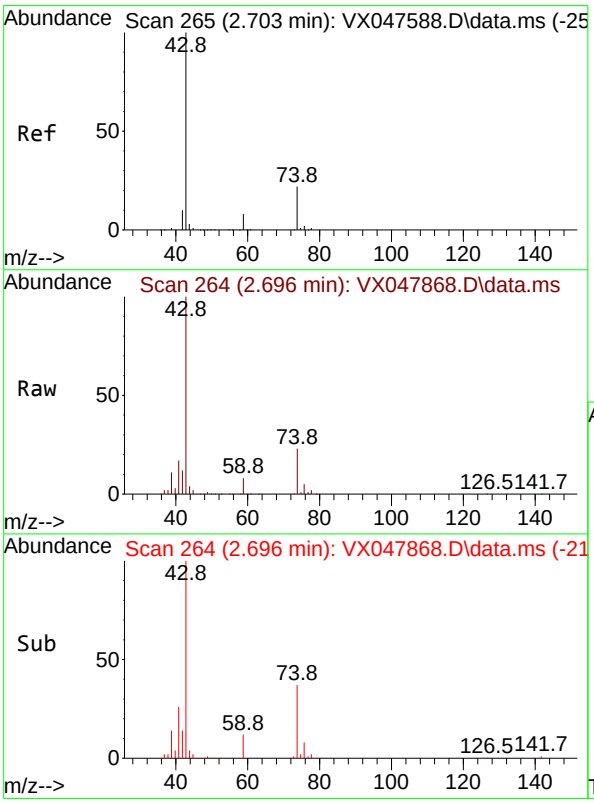
#17
Carbon Disulfide
Concen: 51.215 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 309661

Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.8	10.2

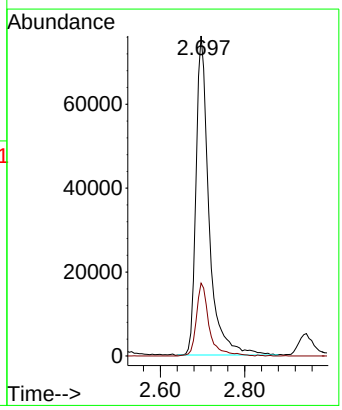


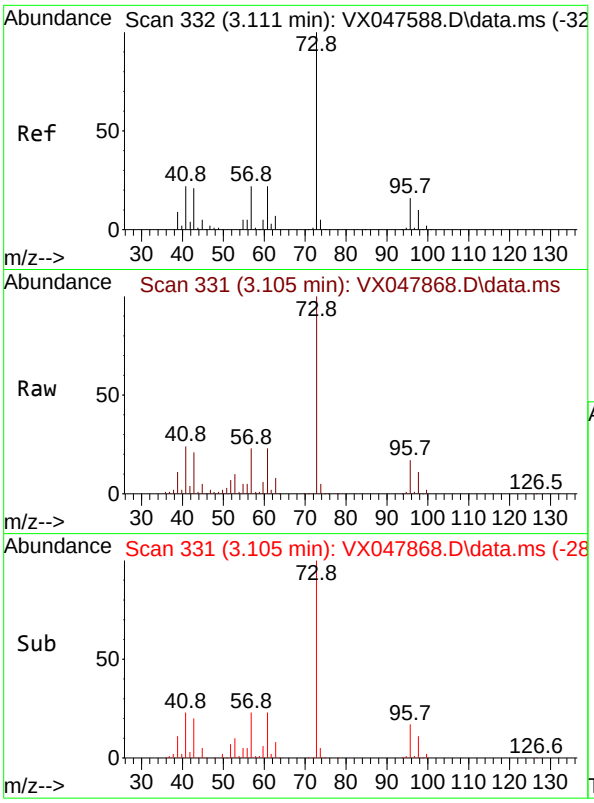


#18
Methyl Acetate
Concen: 57.086 ug/l
RT: 2.696 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 43 Resp: 163451

Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.4	26.2



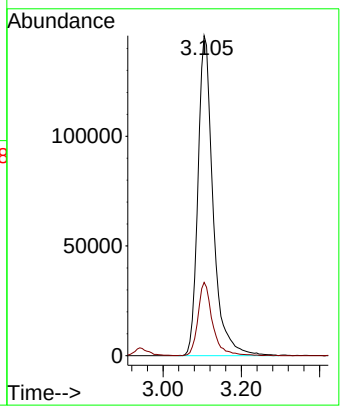


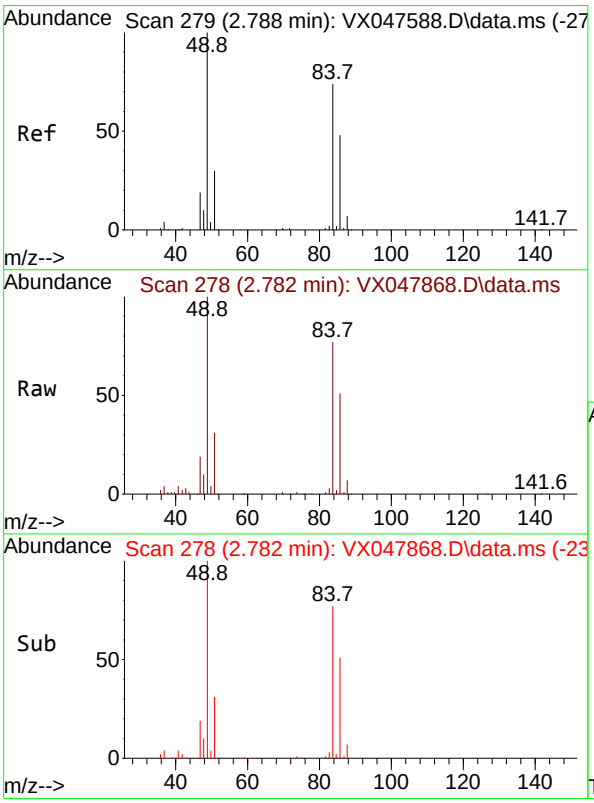
#19
Methyl tert-butyl Ether
Concen: 48.669 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 392389

Ion	Ratio	Lower	Upper
73	100		
57	22.8	17.4	26.2

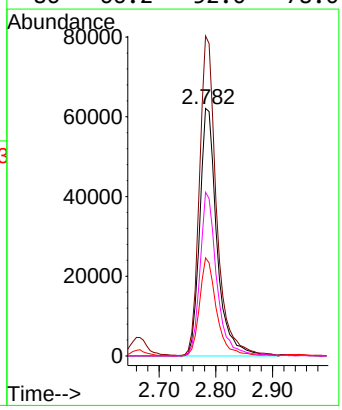


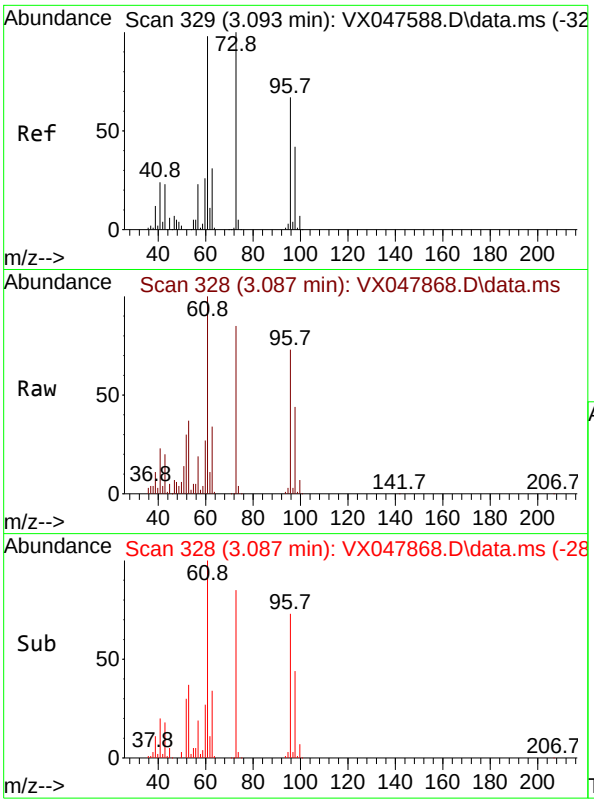


#20
Methylene Chloride
Concen: 48.208 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 84 Resp: 131286

Ion	Ratio	Lower	Upper
84	100		
49	129.1	108.6	162.8
51	39.5	32.6	48.8
86	66.2	52.0	78.0



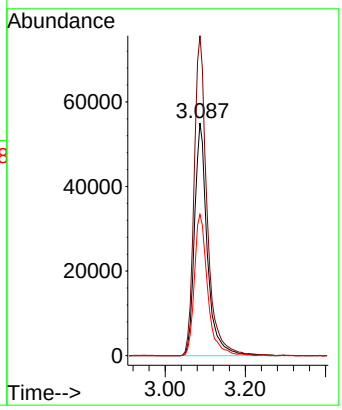


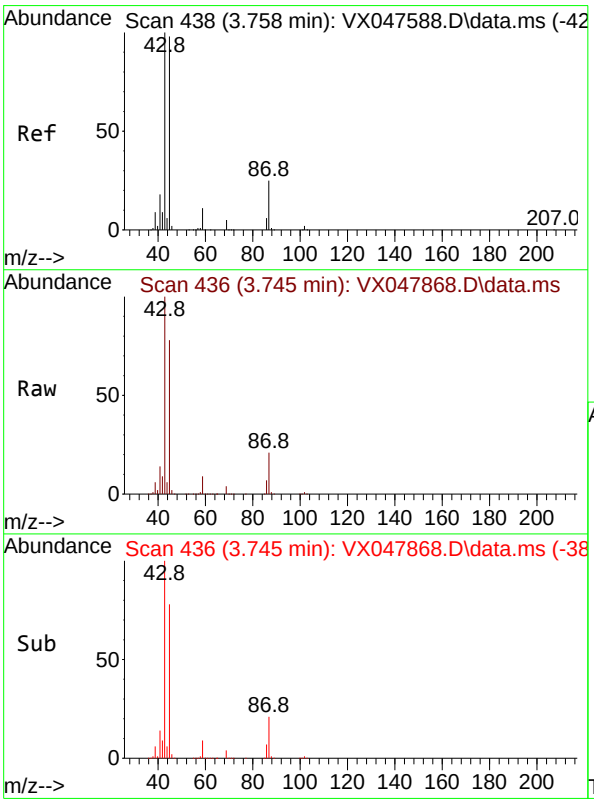
#21
trans-1,2-Dichloroethene
Concen: 51.238 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 121835

Ion	Ratio	Lower	Upper
96	100		
61	137.5	116.2	174.2
98	60.7	49.3	73.9

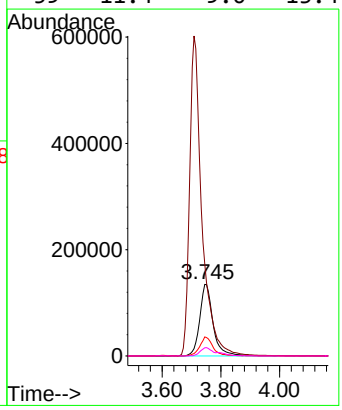


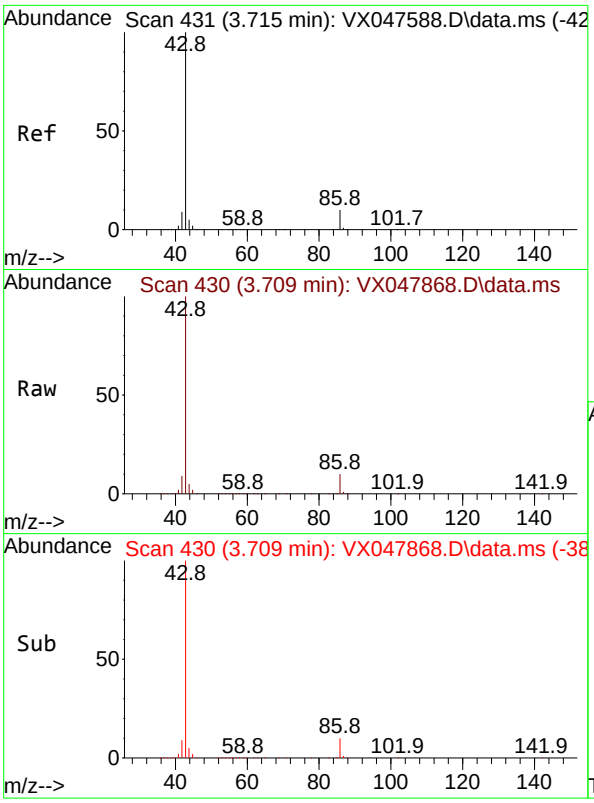


#22
Diisopropyl ether
Concen: 48.128 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 45 Resp: 425099

Ion	Ratio	Lower	Upper
45	100		
43	128.4	81.0	121.4#
87	26.7	20.3	30.5
59	11.4	9.0	13.4



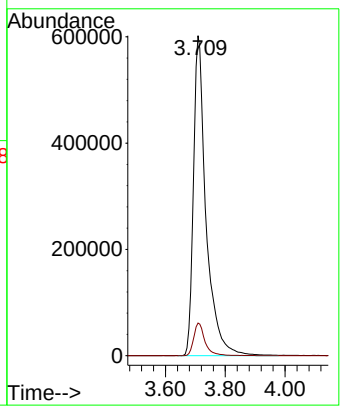


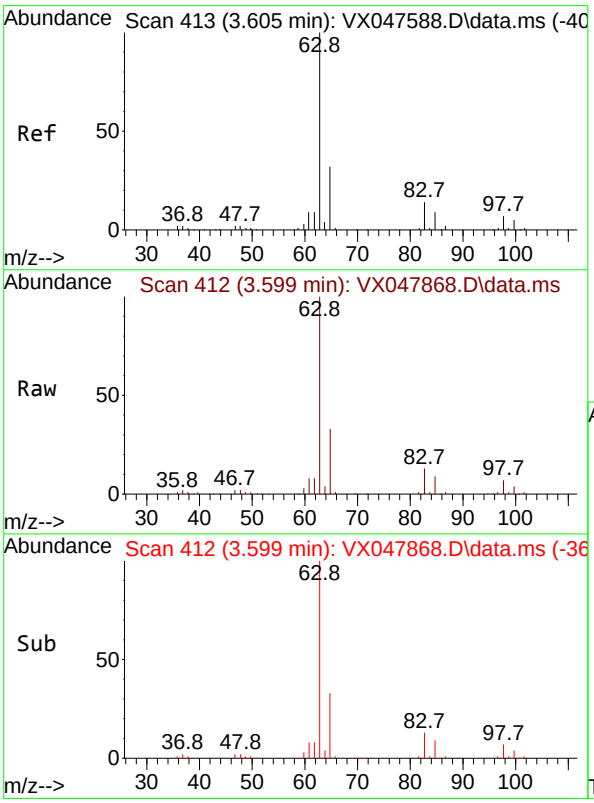
#23
Vinyl Acetate
Concen: 249.599 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1764450

Ion	Ratio	Lower	Upper
43	100		
86	10.2	7.8	11.8

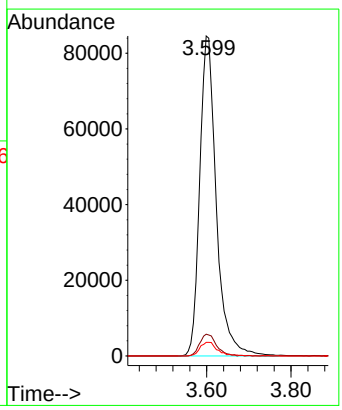


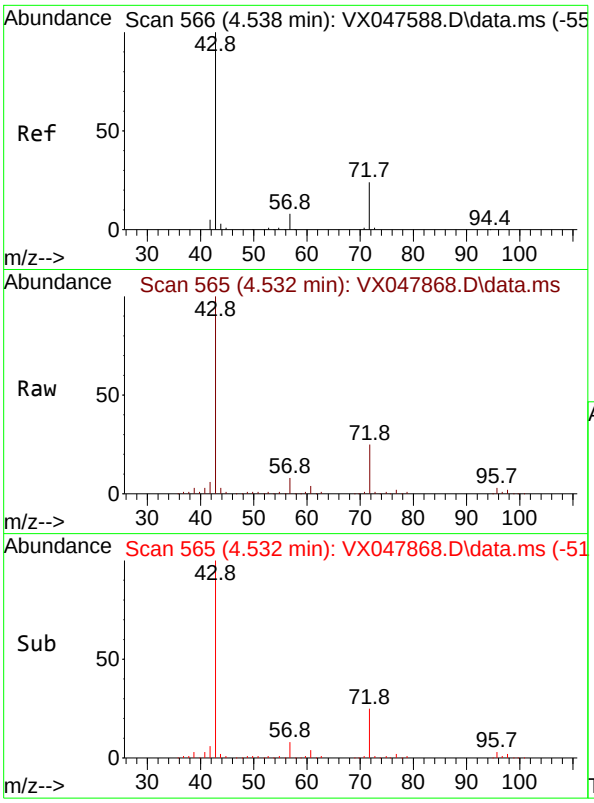


#24
1,1-Dichloroethane
Concen: 49.280 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 63 Resp: 231350

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.8	11.2
100	4.5	2.3	6.9



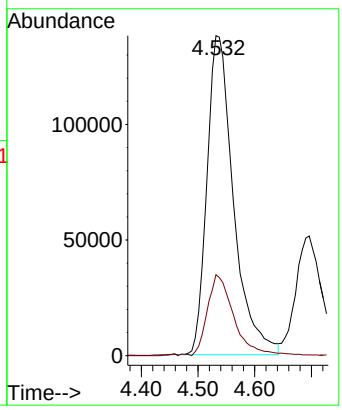


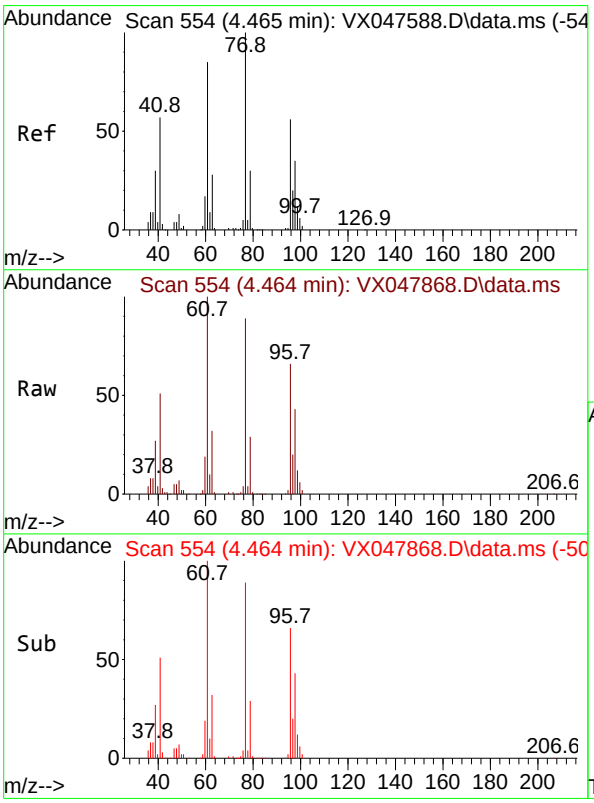
#25
2-Butanone
Concen: 279.567 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 448655

Ion	Ratio	Lower	Upper
43	100		
72	25.4	20.1	30.1

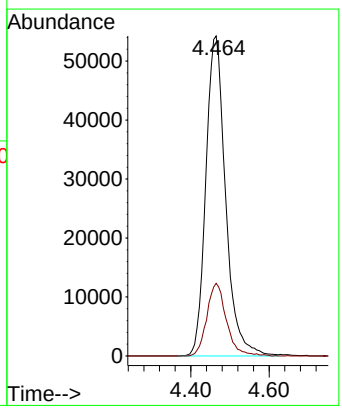


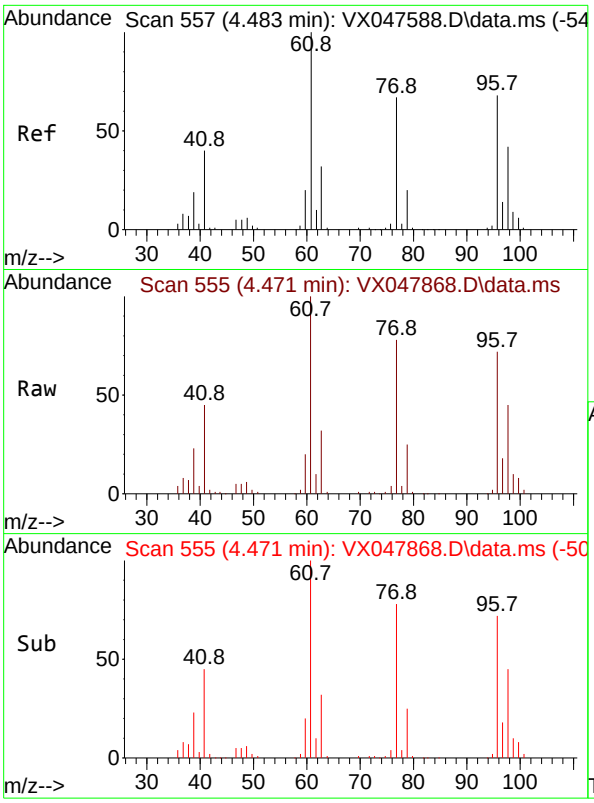


#26
2,2-Dichloropropane
Concen: 48.604 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 77 Resp: 189672

Ion	Ratio	Lower	Upper
77	100		
97	22.5	10.9	32.7



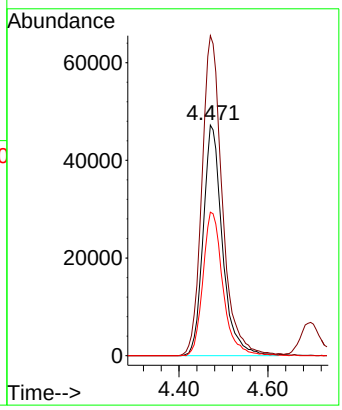


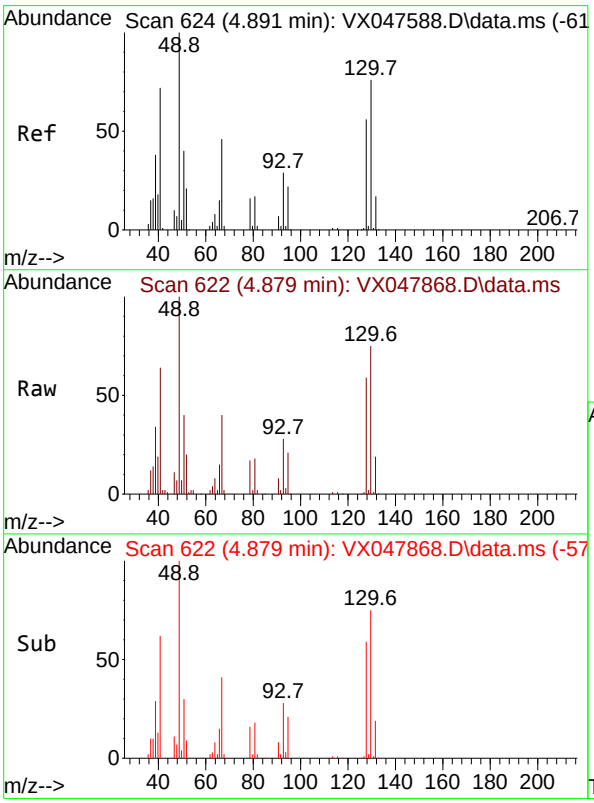
#27
cis-1,2-Dichloroethene
Concen: 48.794 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 142090

Ion	Ratio	Lower	Upper
96	100		
61	147.6	0.0	303.2
98	64.6	0.0	127.8

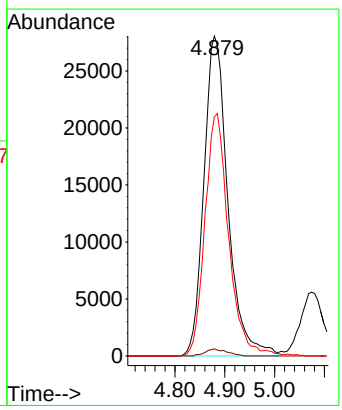


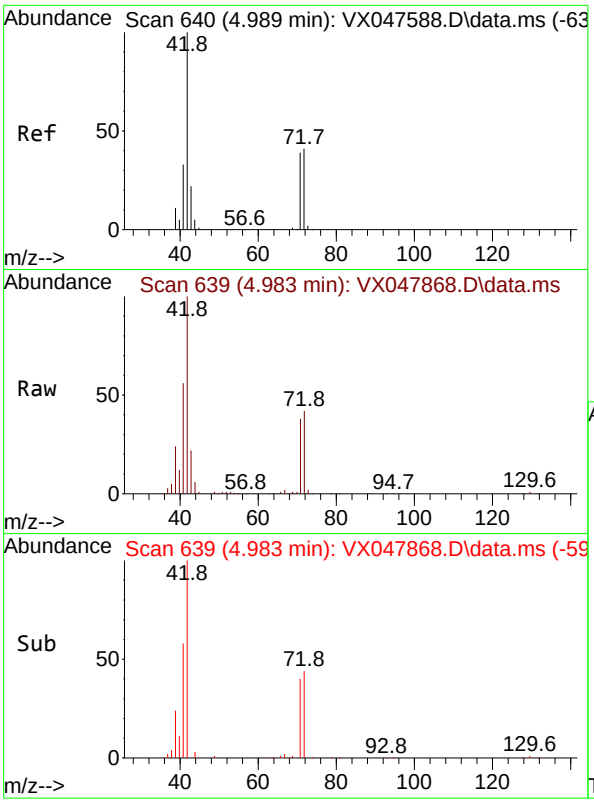


#28
Bromochloromethane
Concen: 45.720 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 49 Resp: 93704

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.2
130	74.7	57.8	86.8



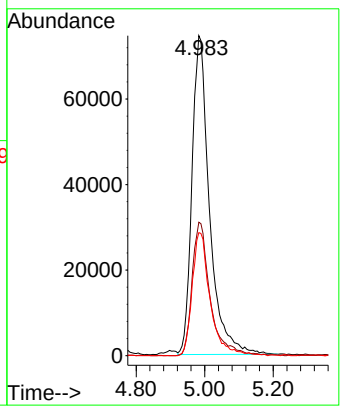


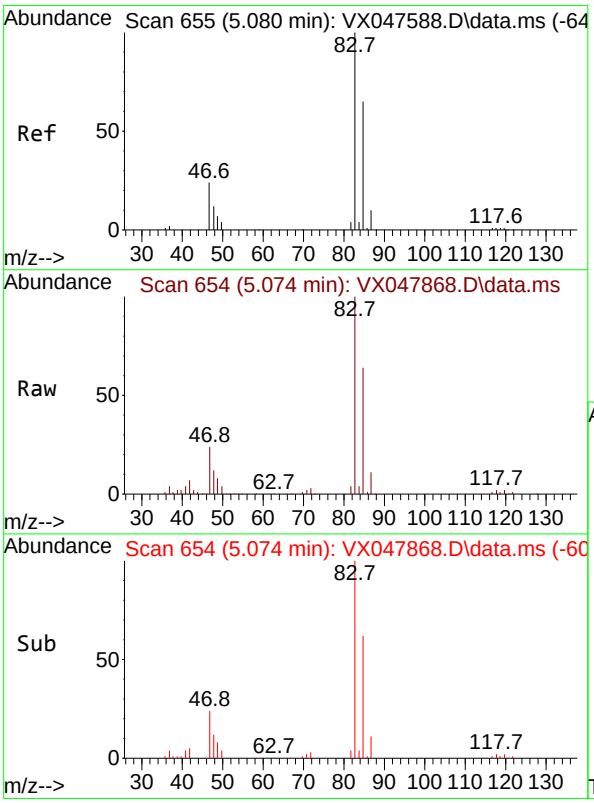
#29
Tetrahydrofuran
Concen: 274.385 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 264898

Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.2	51.2
71	39.5	31.9	47.9

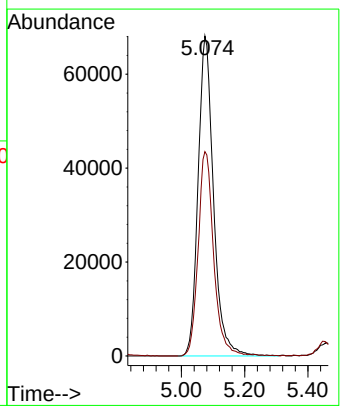


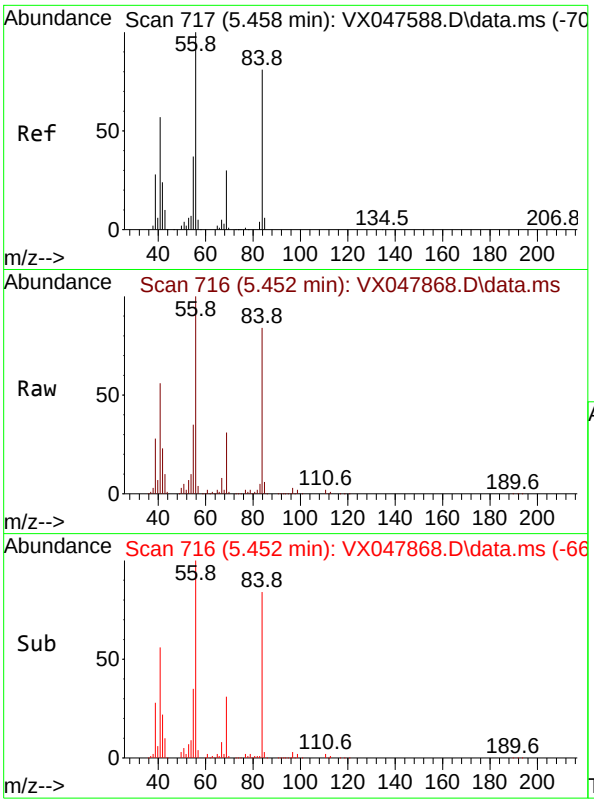


#30
Chloroform
Concen: 48.711 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 83 Resp: 231088

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.8	77.6



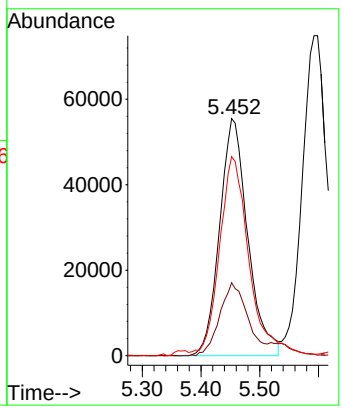


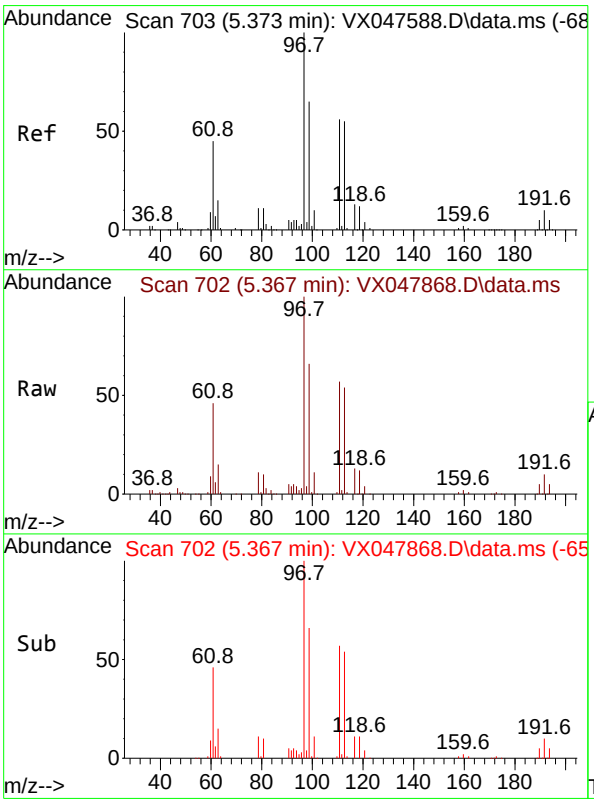
#31
Cyclohexane
Concen: 47.235 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 184690

Ion	Ratio	Lower	Upper
56	100		
69	30.8	23.8	35.8
84	81.8	64.6	97.0

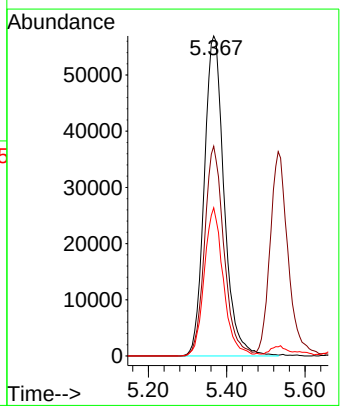


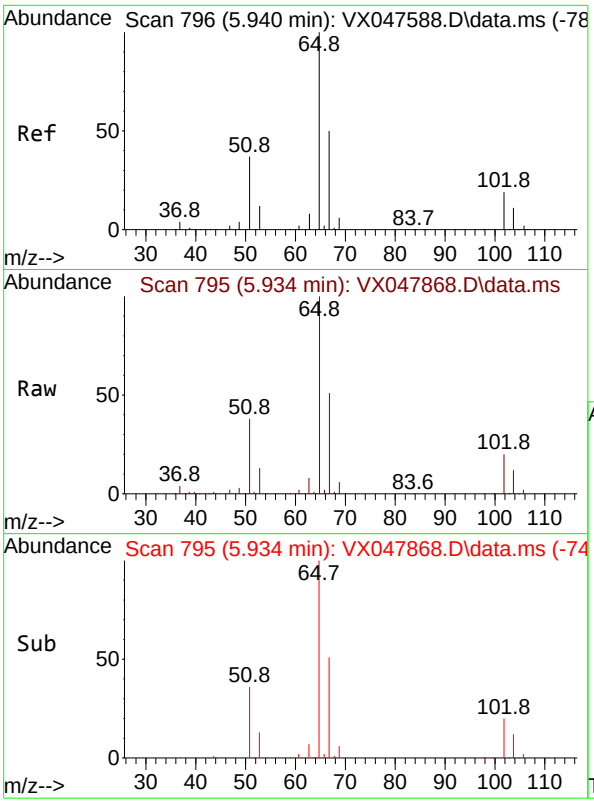


#32
1,1,1-Trichloroethane
Concen: 49.790 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 97 Resp: 200353

Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.6	76.0
61	44.6	35.8	53.8



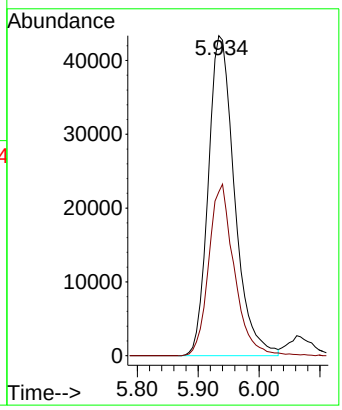


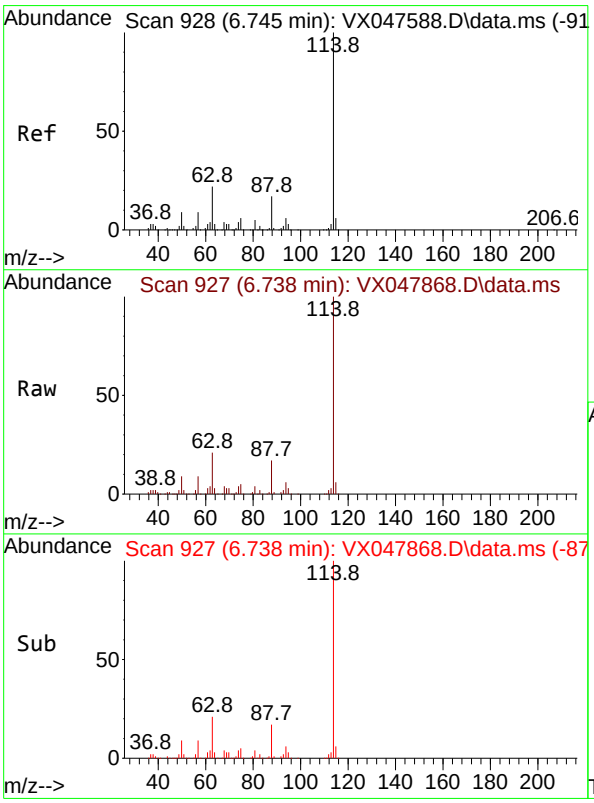
#33
1,2-Dichloroethane-d4
Concen: 43.924 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 129970

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	103.0

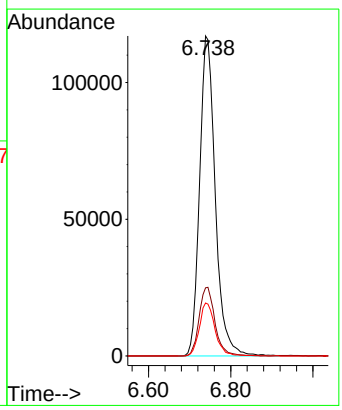


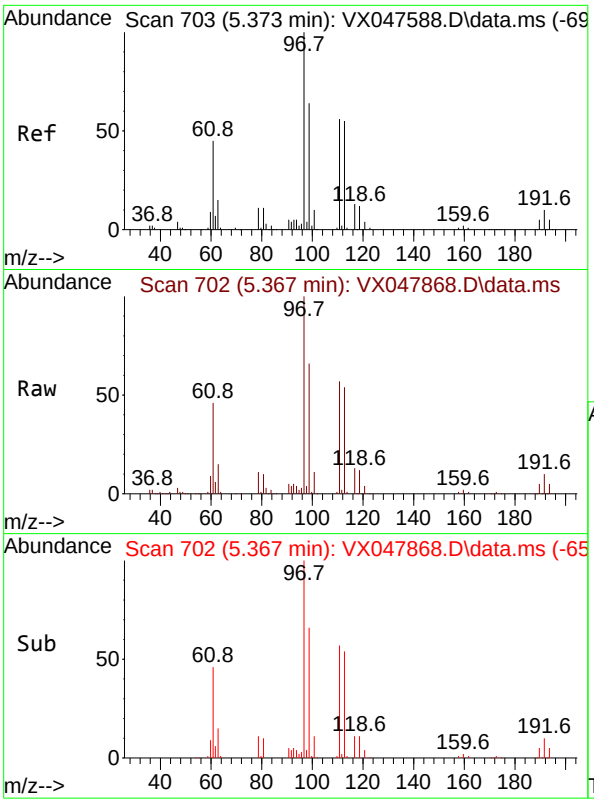


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.738 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:114 Resp: 309770

Ion	Ratio	Lower	Upper
114	100		
63	24.4	0.0	44.0
88	16.6	0.0	34.2



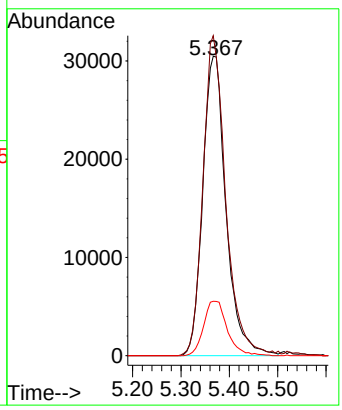


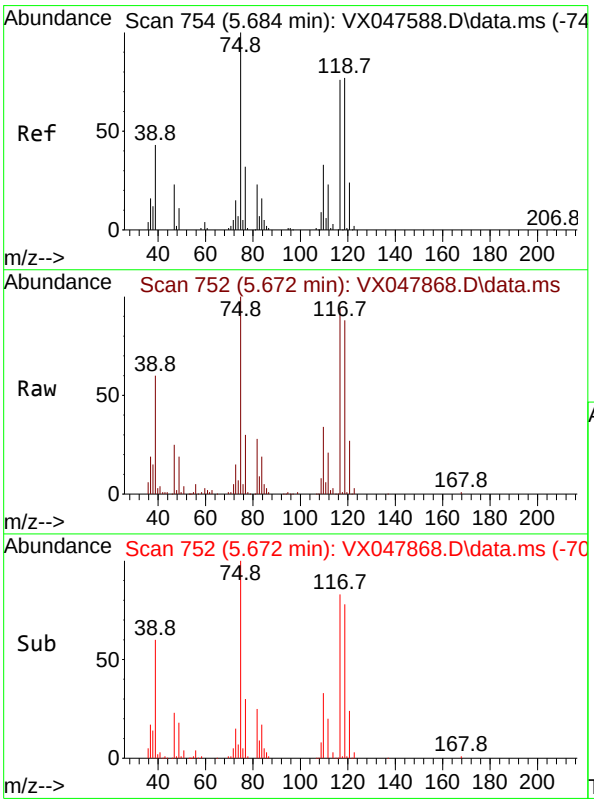
#35
Dibromofluoromethane
Concen: 49.019 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 101837

Ion	Ratio	Lower	Upper
113	100		
111	104.2	80.9	121.3
192	18.5	14.2	21.4

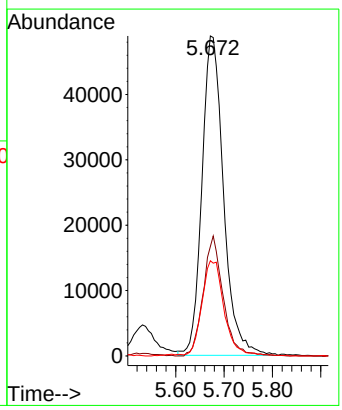


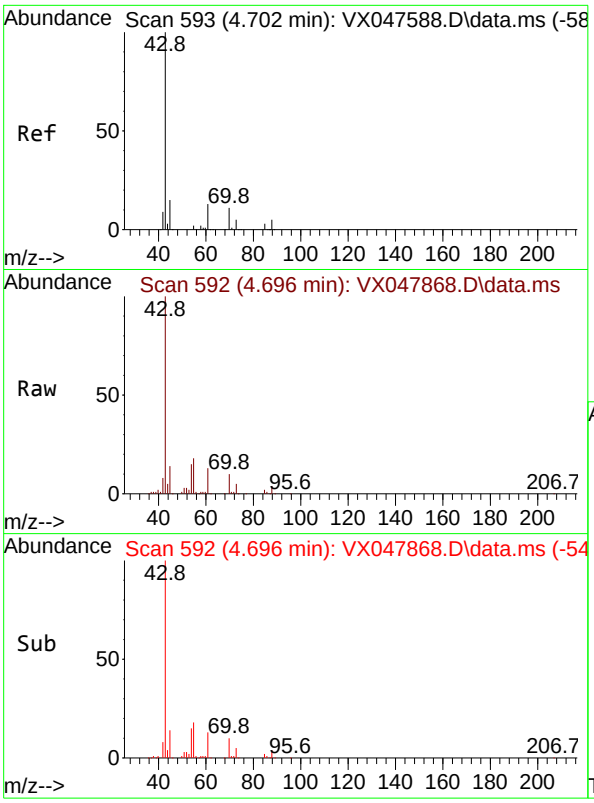


#36
1,1-Dichloropropene
Concen: 49.930 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 75 Resp: 151572

Ion	Ratio	Lower	Upper
75	100		
110	34.7	16.7	50.1
77	30.8	24.3	36.5



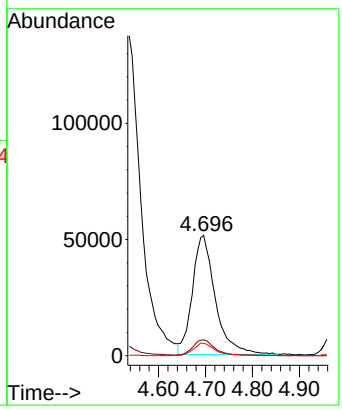


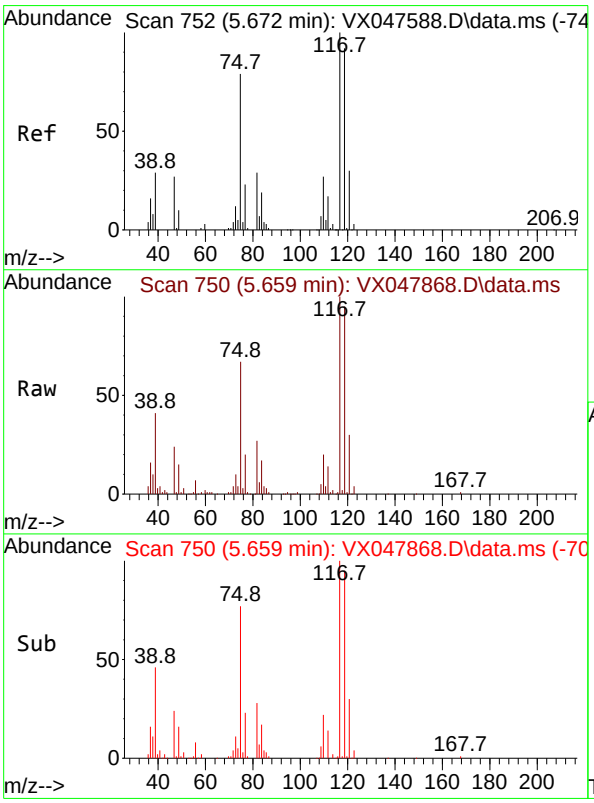
#37
Ethyl Acetate
Concen: 53.454 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 173745

Ion	Ratio	Lower	Upper
43	100		
61	11.7	9.8	14.8
70	10.2	7.9	11.9

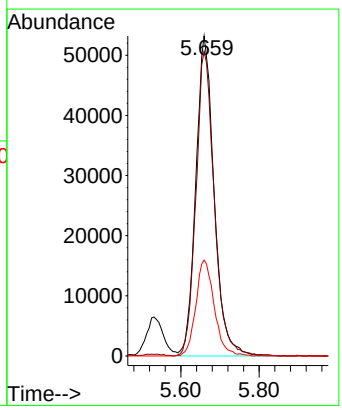


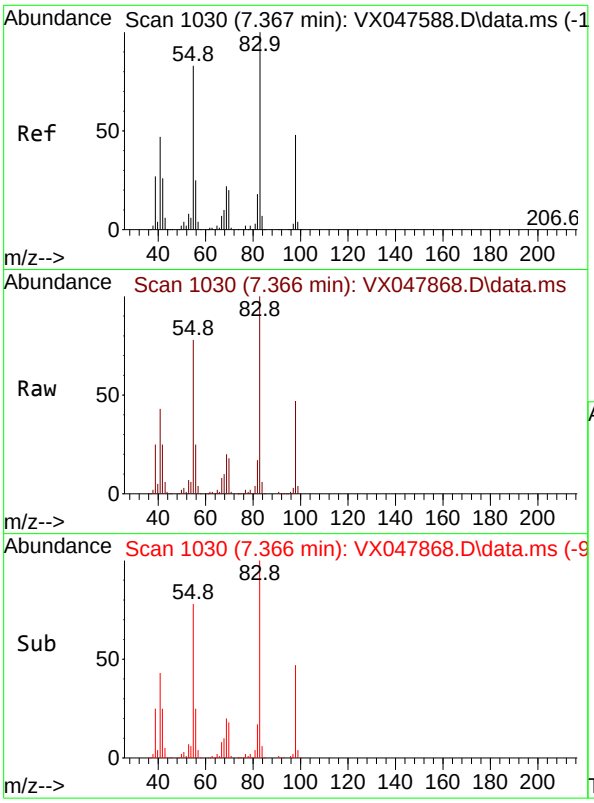


#38
Carbon Tetrachloride
Concen: 52.552 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:117 Resp: 173335

Ion	Ratio	Lower	Upper
117	100		
119	95.1	73.4	110.2
121	30.0	23.8	35.6



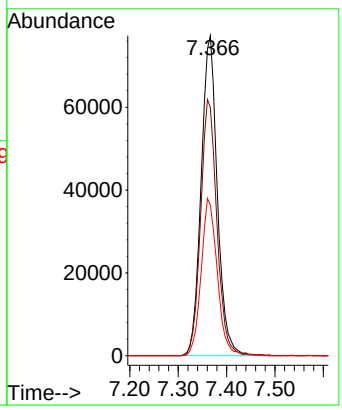


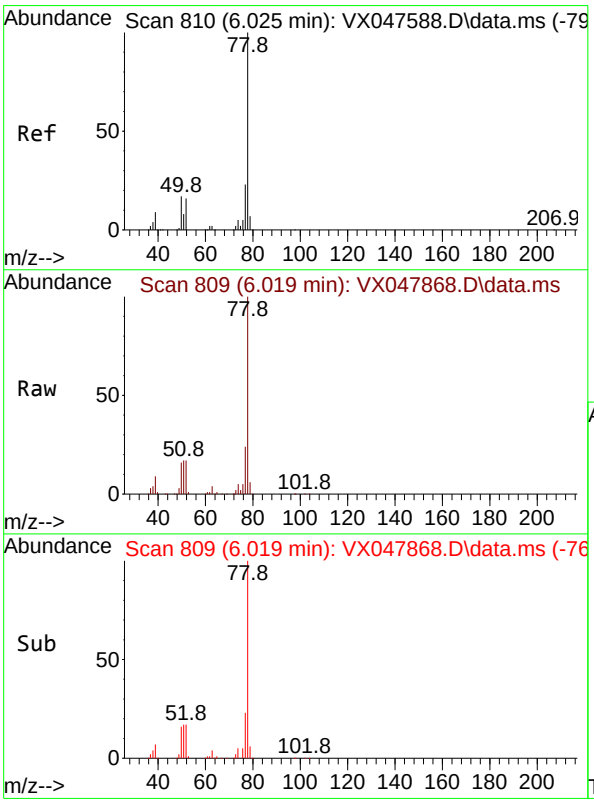
#39
Methylcyclohexane
Concen: 52.190 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 179843

Ion	Ratio	Lower	Upper
83	100		
55	77.5	66.4	99.6
98	47.0	38.1	57.1

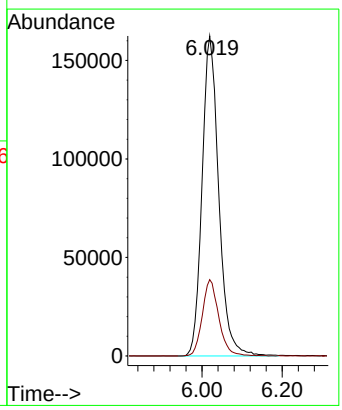


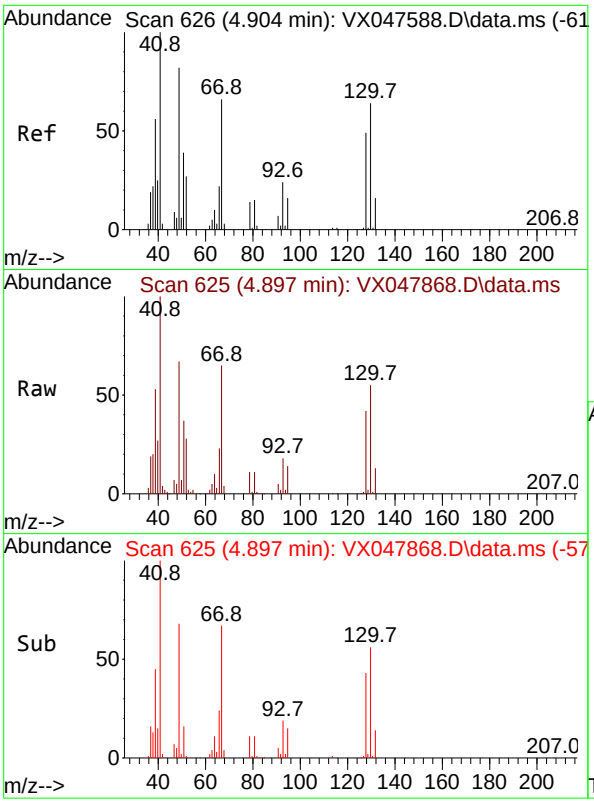


#40
Benzene
Concen: 50.913 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 78 Resp: 469430

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2



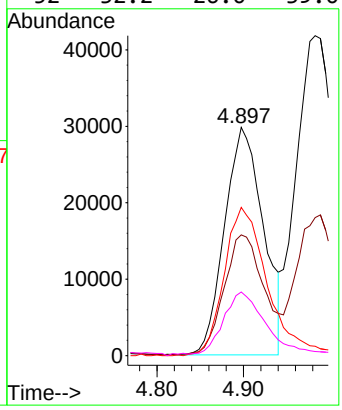


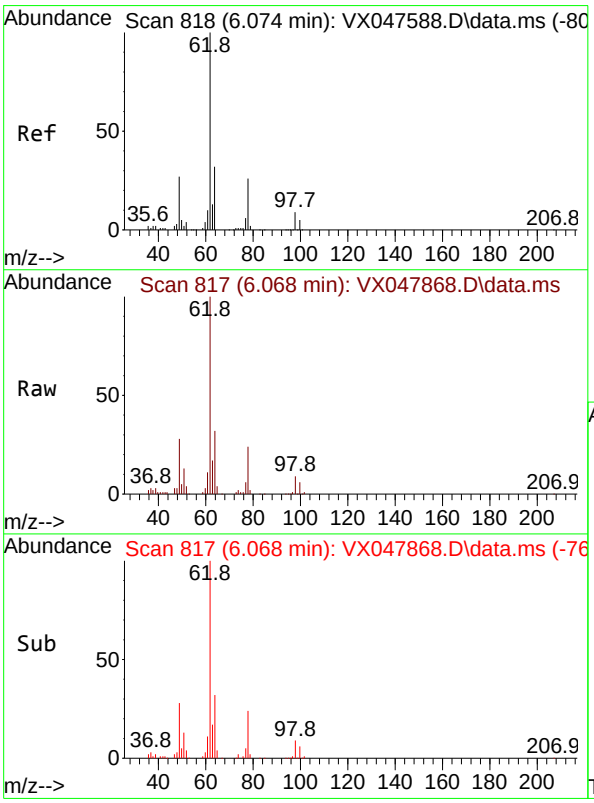
#41
Methacrylonitrile
Concen: 55.306 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 92805

Ion	Ratio	Lower	Upper
41	100		
39	55.9	43.3	64.9
67	73.6	58.6	87.8
52	32.2	26.0	39.0

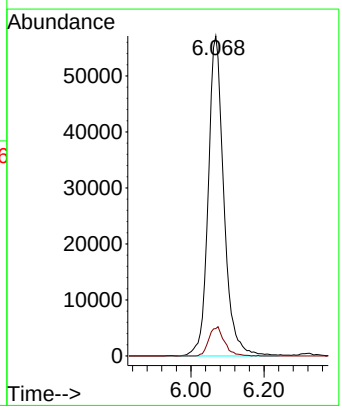


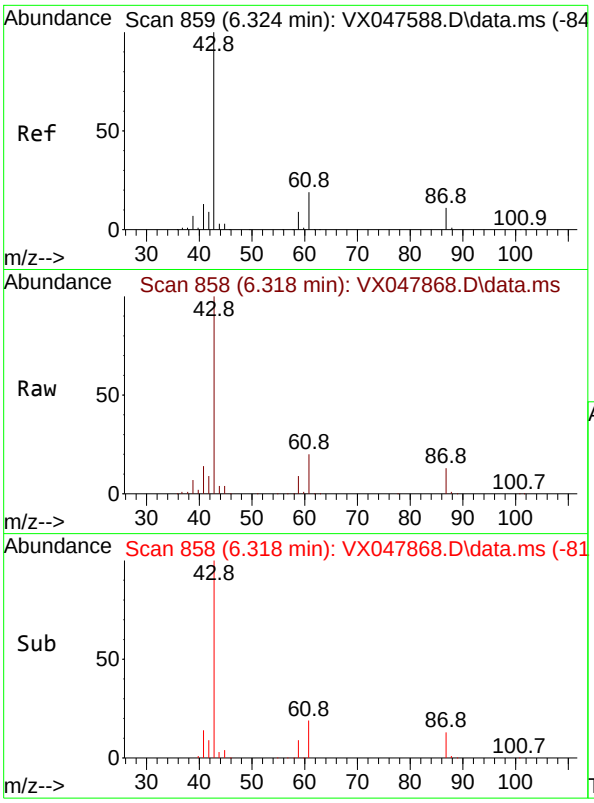


#42
1,2-Dichloroethane
Concen: 48.208 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 62 Resp: 169122

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.0



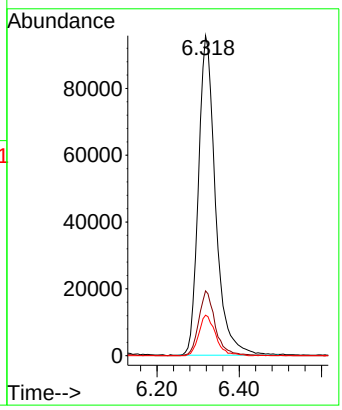


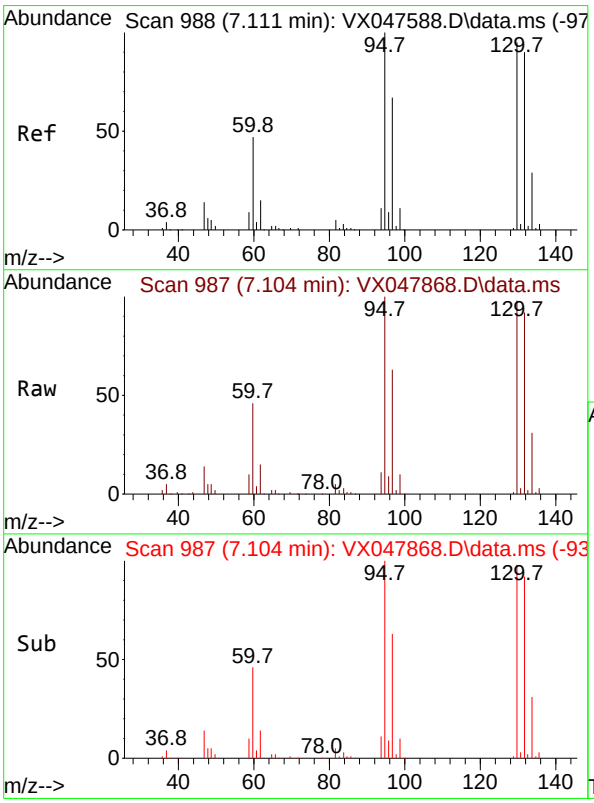
#43
Isopropyl Acetate
Concen: 51.772 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 275987

Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.2	22.8
87	12.5	9.6	14.4

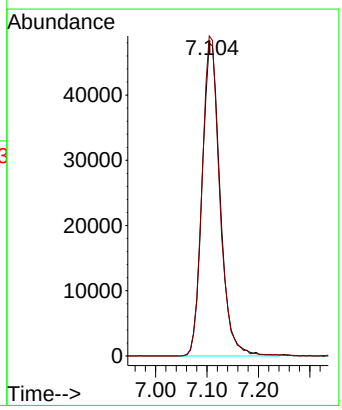


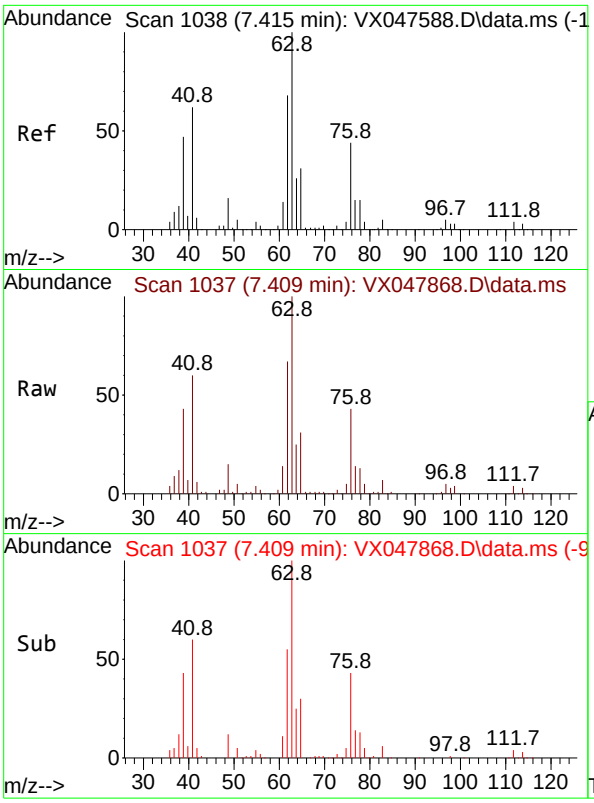


#44
Trichloroethene
Concen: 52.365 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:130 Resp: 116728

Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	210.8



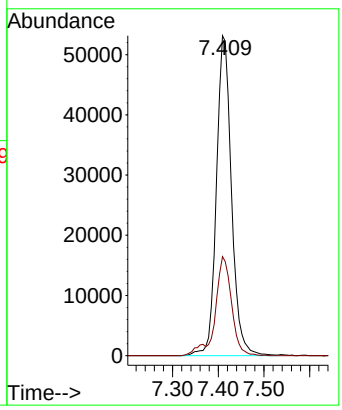


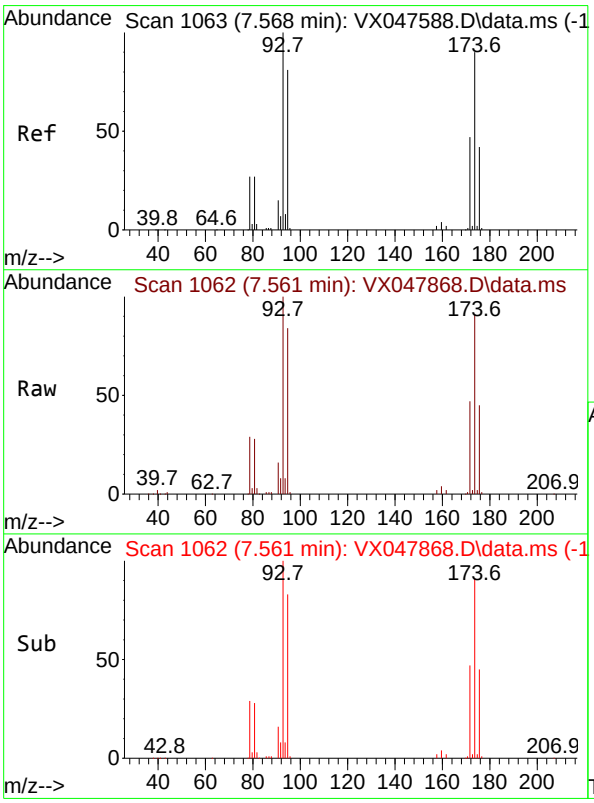
#45
1,2-Dichloropropane
Concen: 51.610 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 121849

Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.7	37.1

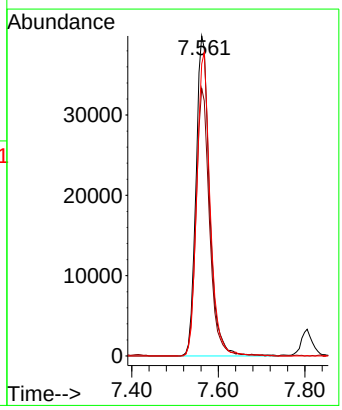


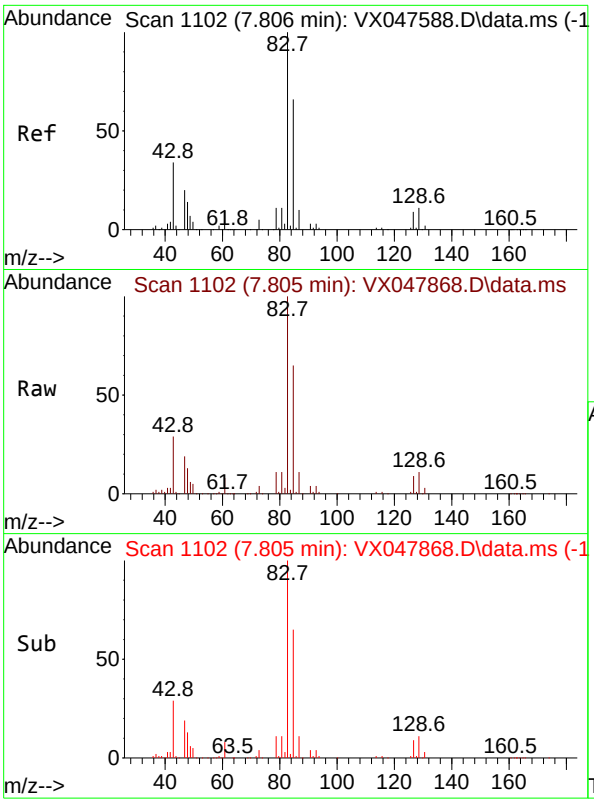


#46
Dibromomethane
Concen: 50.480 ug/l
RT: 7.561 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 93 Resp: 86727

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.0	97.6
174	92.9	71.6	107.4



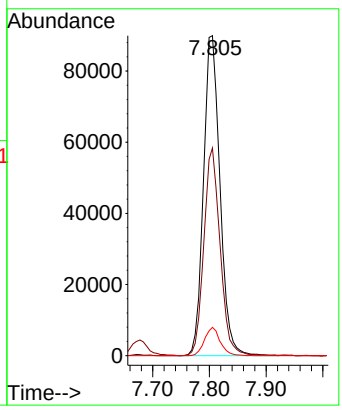


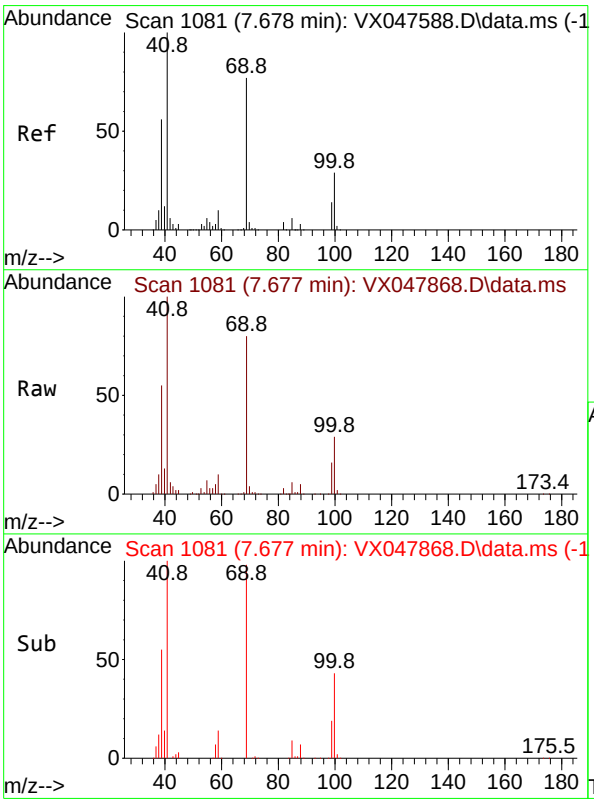
#47
Bromodichloromethane
Concen: 51.370 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 182124

Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.5	78.7
127	8.8	6.9	10.3

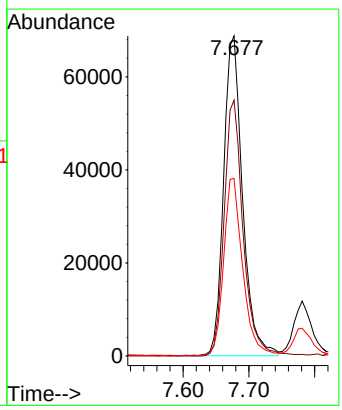


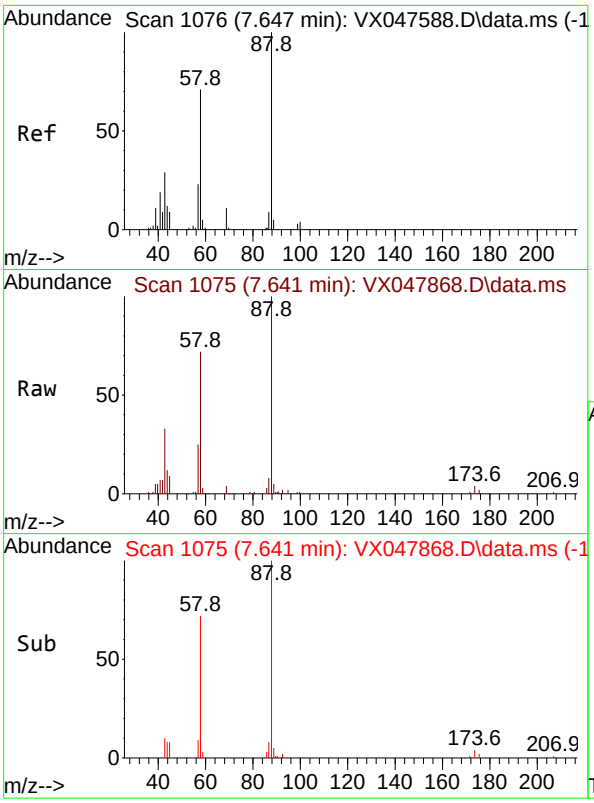


#48
Methyl methacrylate
Concen: 52.008 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 41 Resp: 138099

Ion	Ratio	Lower	Upper
41	100		
69	80.2	61.4	92.2
39	55.7	45.8	68.6



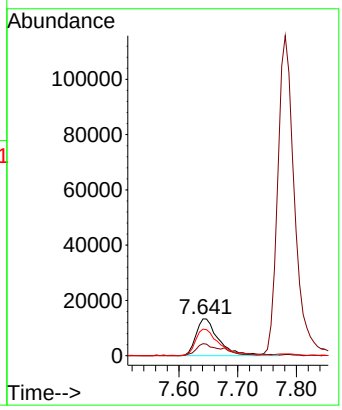


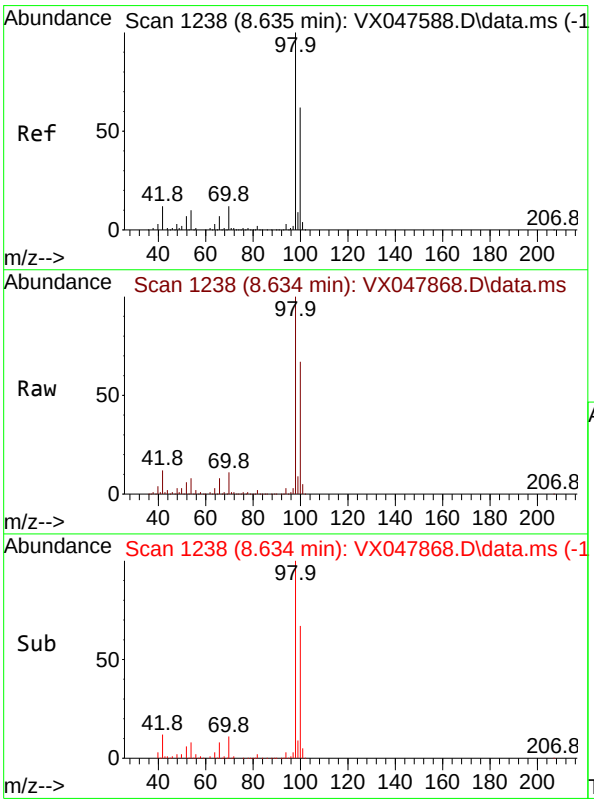
#49
1,4-Dioxane
Concen: 1343.657 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 36057

Ion	Ratio	Lower	Upper
88	100		
43	37.6	30.2	45.2
58	75.3	59.5	89.3

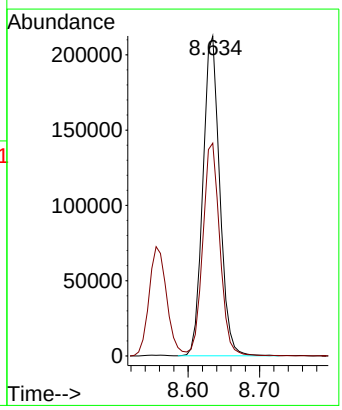


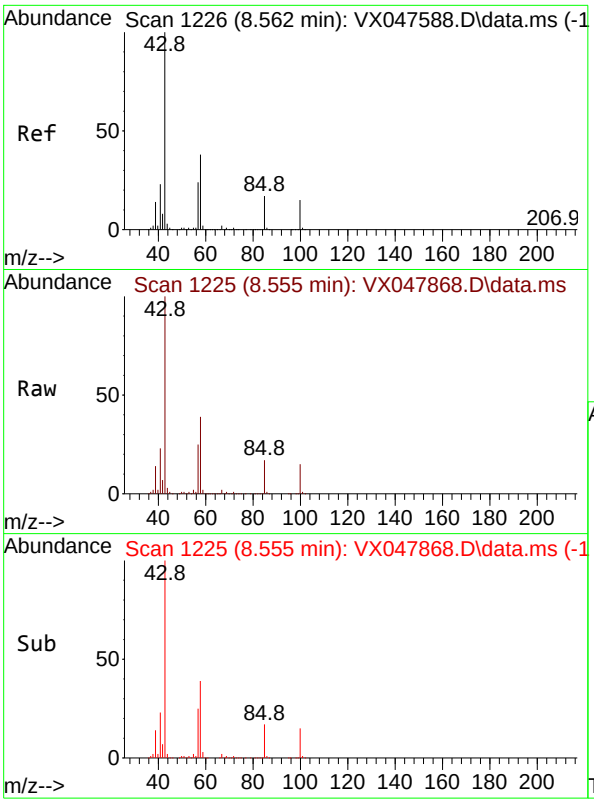


#50
Toluene-d8
Concen: 48.212 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 98 Resp: 346572

Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.0	79.4



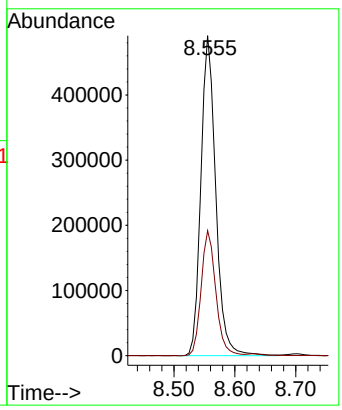


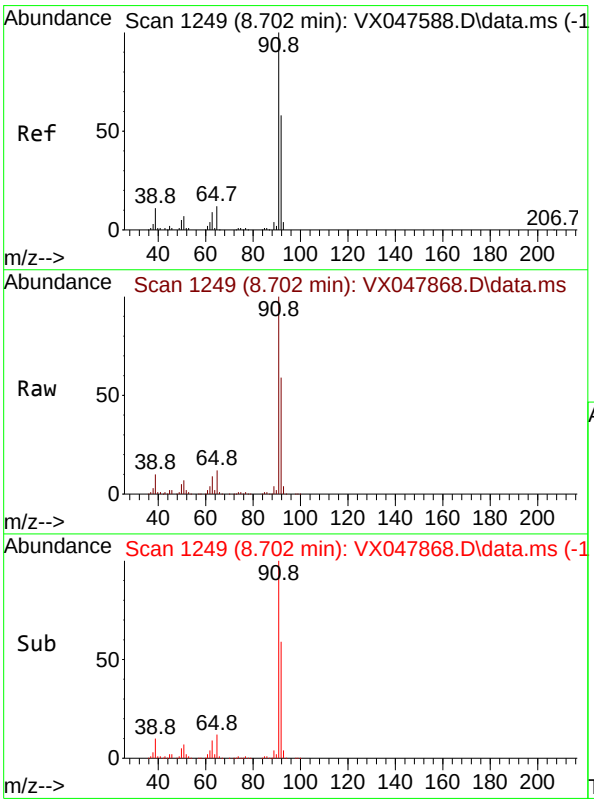
#51
4-Methyl-2-Pentanone
Concen: 281.303 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 831427

Ion	Ratio	Lower	Upper
43	100		
58	38.5	30.3	45.5

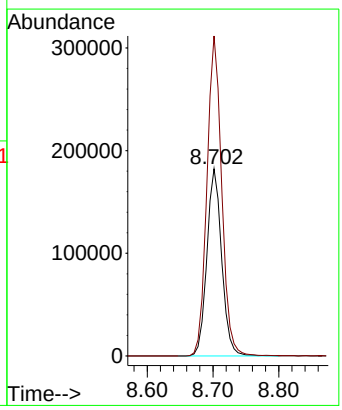


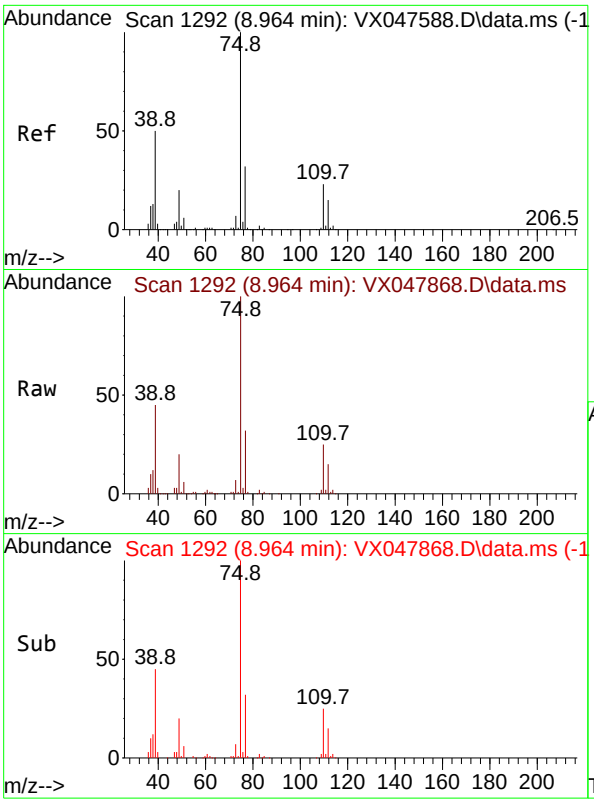


#52
Toluene
Concen: 50.235 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 92 Resp: 285361

Ion	Ratio	Lower	Upper
92	100		
91	170.6	137.1	205.7



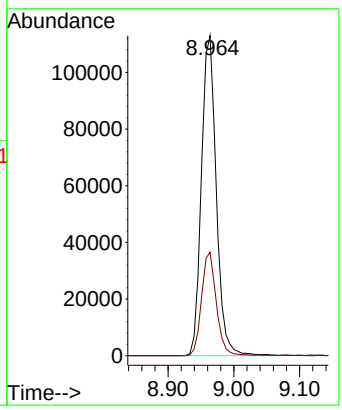


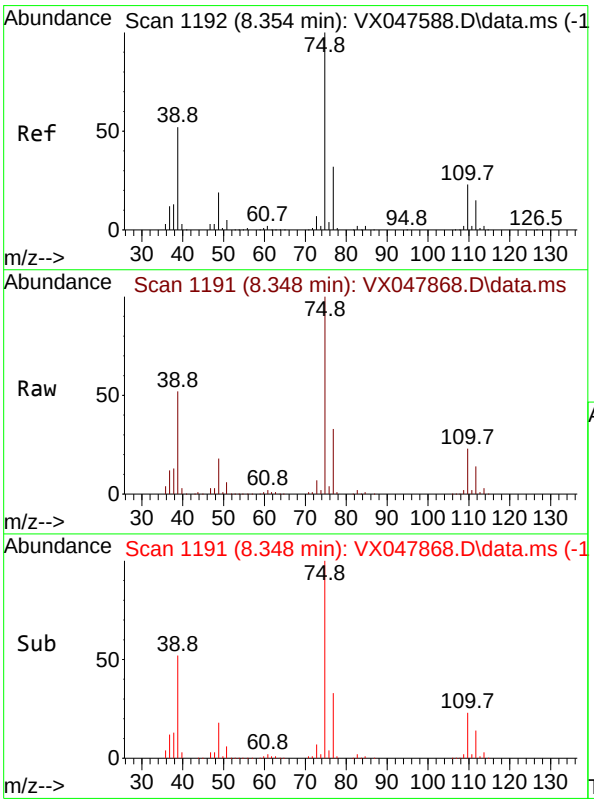
#53
t-1,3-Dichloropropene
Concen: 49.211 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 177961

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.2

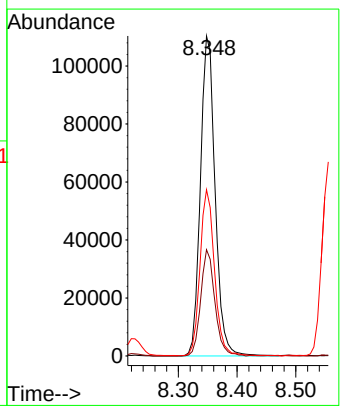


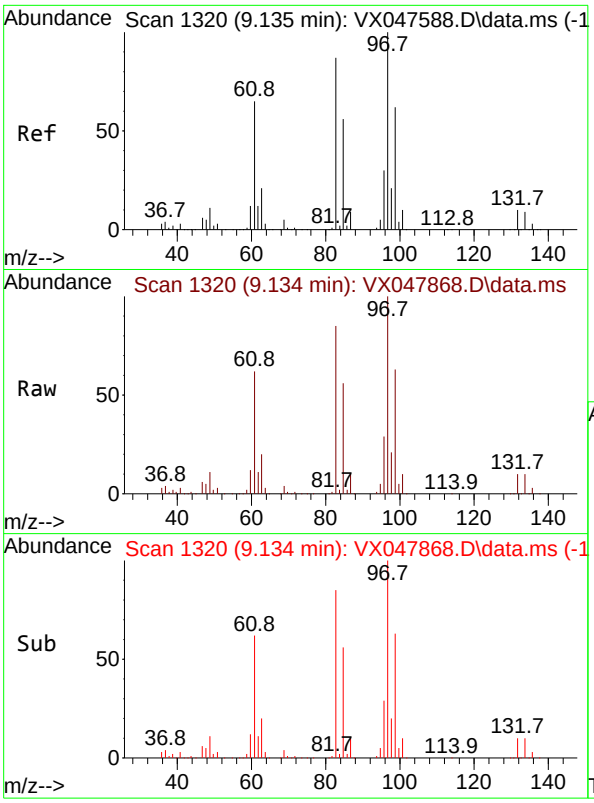


#54
cis-1,3-Dichloropropene
Concen: 49.755 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 75 Resp: 192314

Ion	Ratio	Lower	Upper
75	100		
77	33.2	25.8	38.6
39	51.9	41.4	62.2



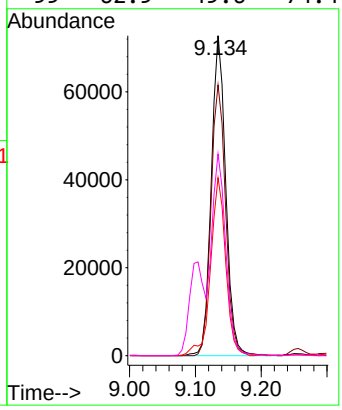


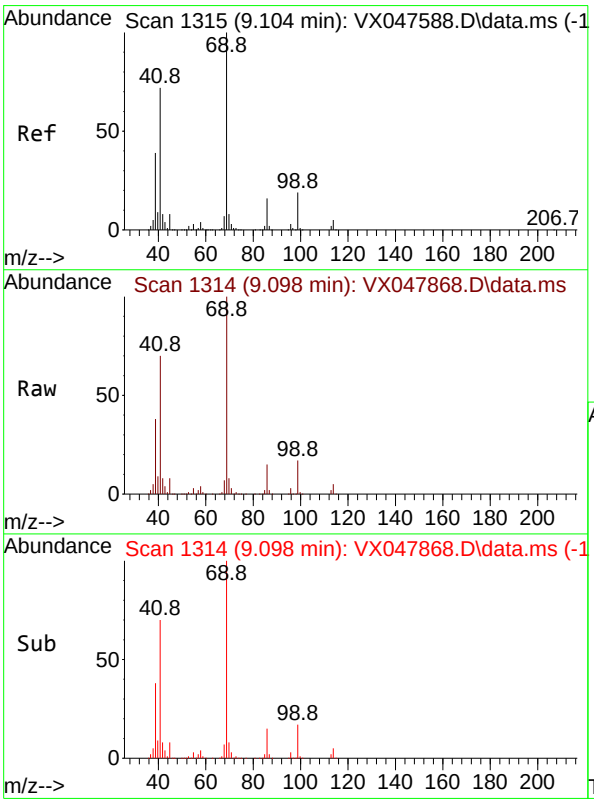
#55
1,1,2-Trichloroethane
Concen: 50.959 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 111620

Ion	Ratio	Lower	Upper
97	100		
83	84.6	69.6	104.4
85	55.6	45.0	67.6
99	62.9	49.6	74.4

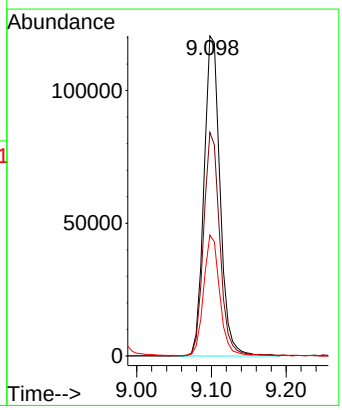


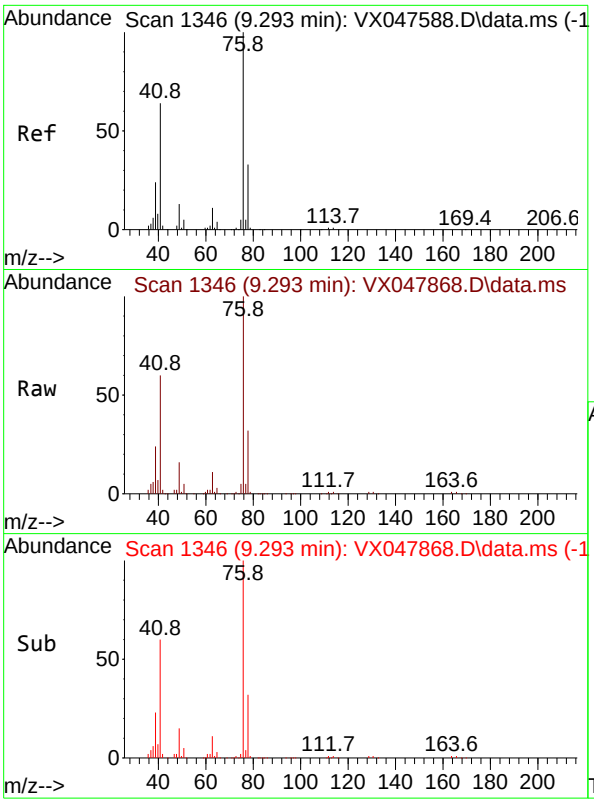


#56
Ethyl methacrylate
Concen: 52.421 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 69 Resp: 180325

Ion	Ratio	Lower	Upper
69	100		
41	70.7	58.6	87.8
39	38.3	31.5	47.3



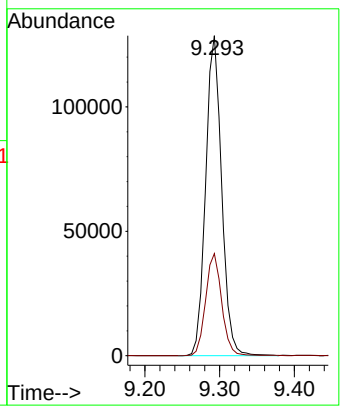


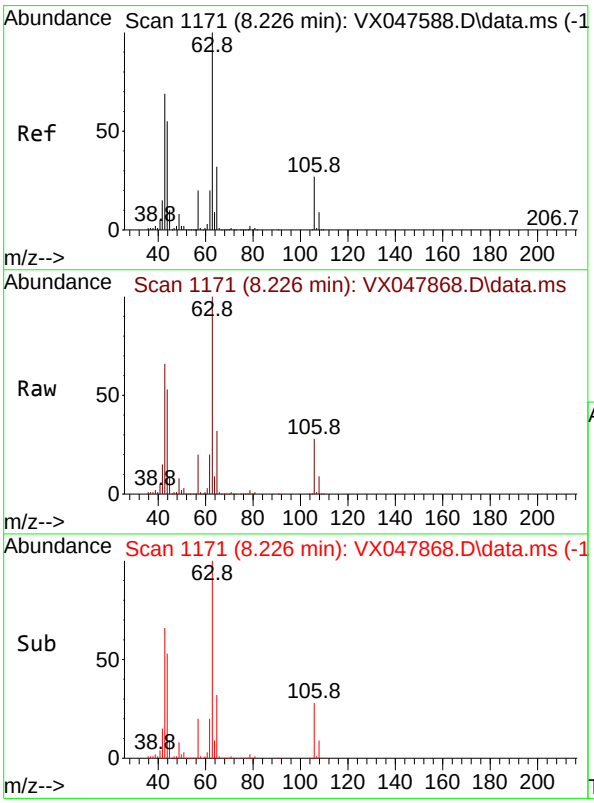
#57
1,3-Dichloropropane
Concen: 50.725 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 190862

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.2	39.4

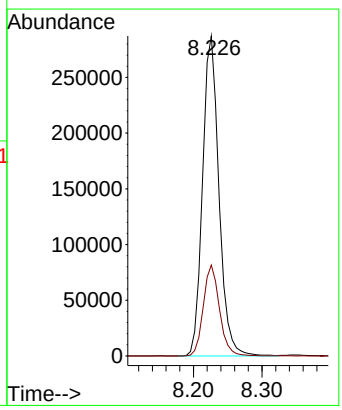


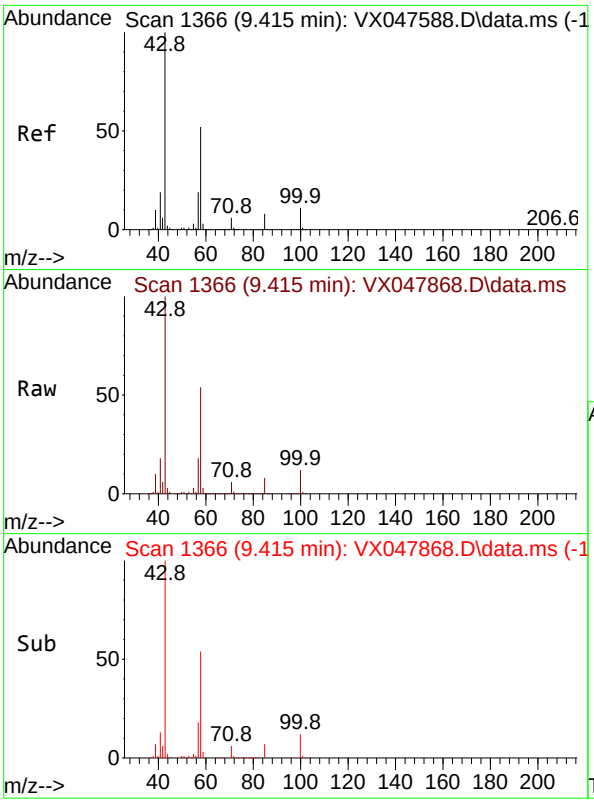


#58
2-Chloroethyl Vinyl ether
Concen: 288.479 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 63 Resp: 478951

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.9	32.9



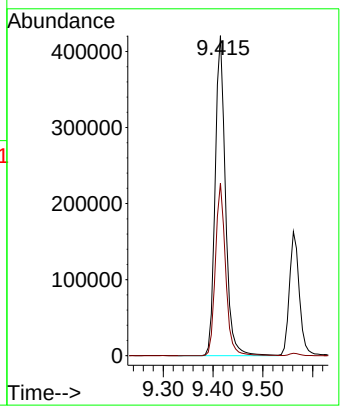


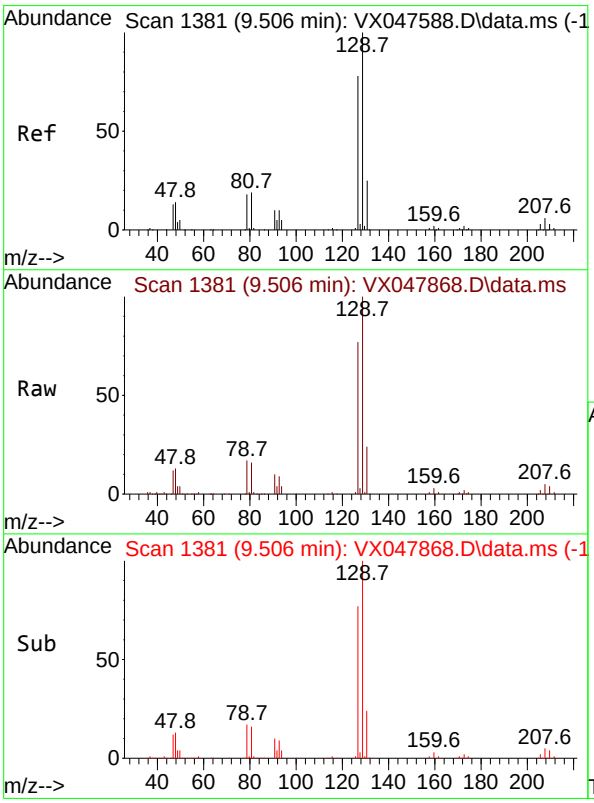
#59
2-Hexanone
Concen: 284.417 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 603746

Ion	Ratio	Lower	Upper
43	100		
58	53.2	26.1	78.2

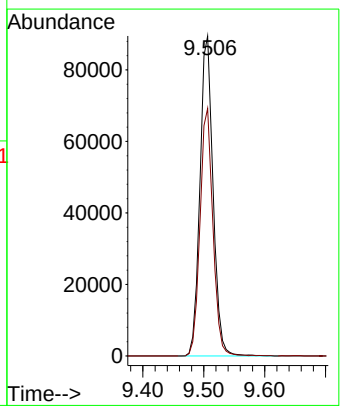


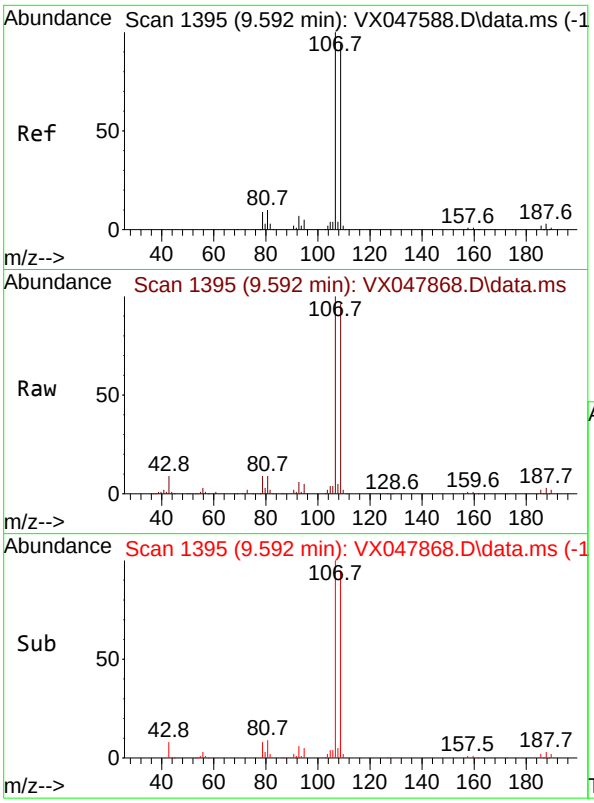


#60
Dibromochloromethane
Concen: 52.986 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:129 Resp: 133727

Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.4	115.2



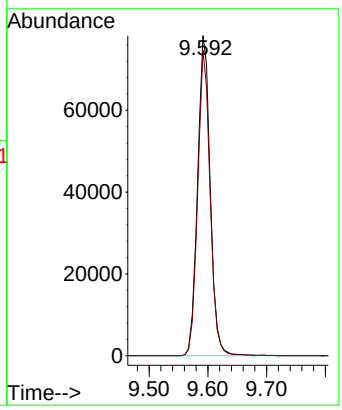


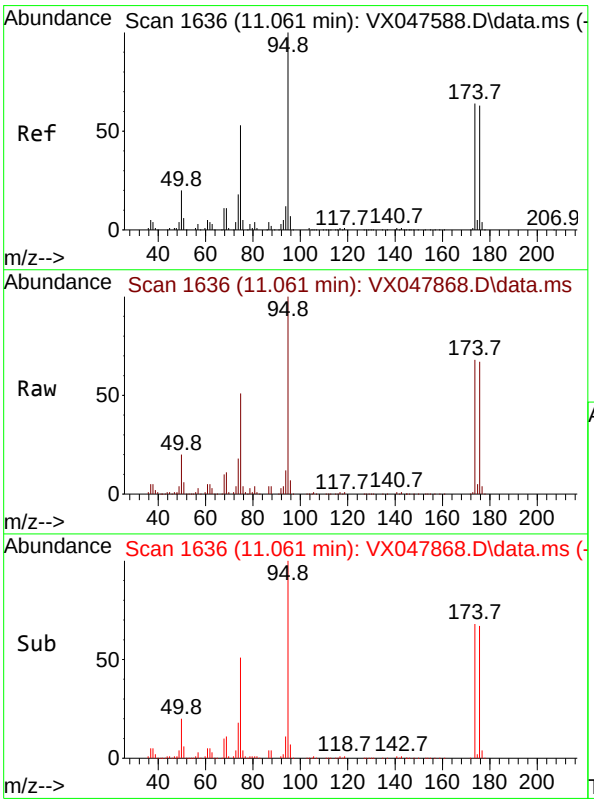
#61
1,2-Dibromoethane
Concen: 52.412 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 116932

Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.3	112.9

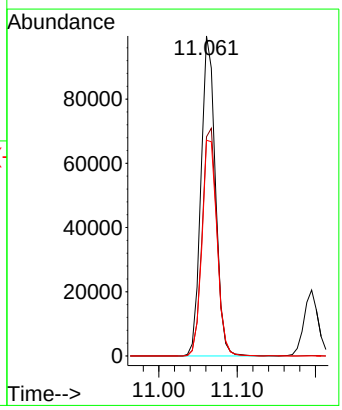


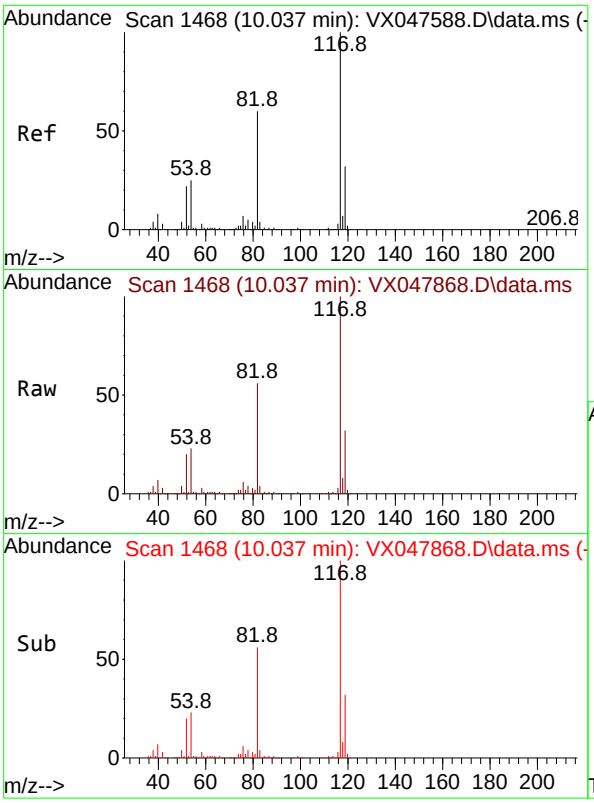


#62
4-Bromofluorobenzene
Concen: 46.534 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 95 Resp: 126953

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	141.6
176	70.6	0.0	138.4



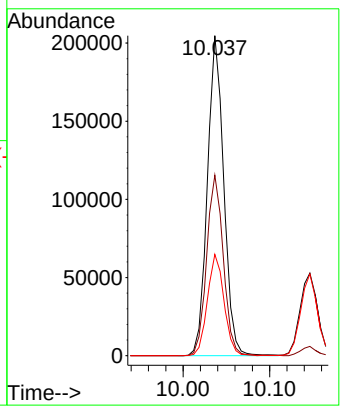


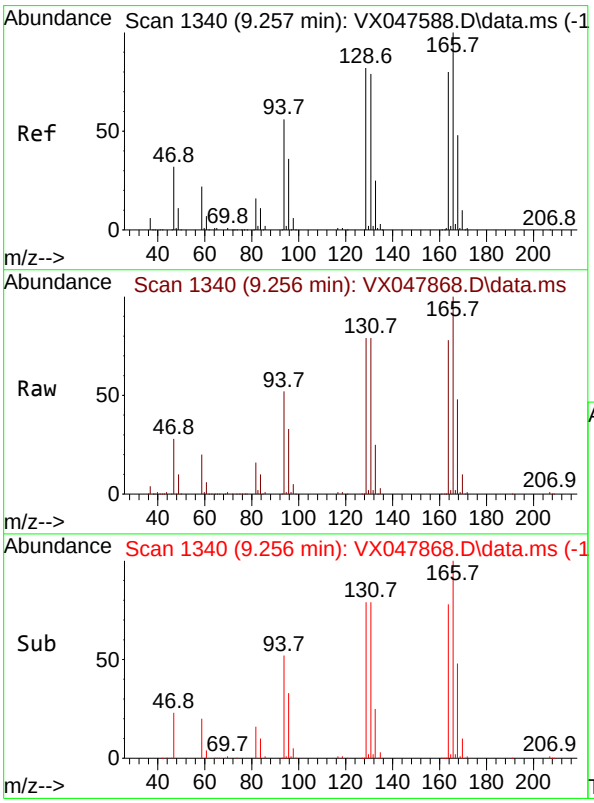
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 268975

Ion	Ratio	Lower	Upper
117	100		
82	56.4	47.8	71.6
119	31.6	25.2	37.8

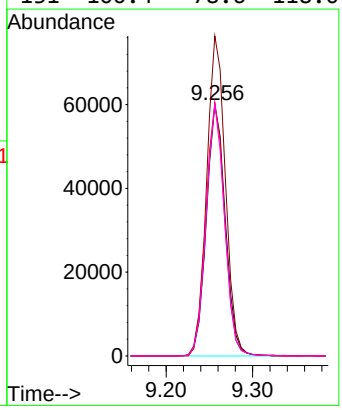


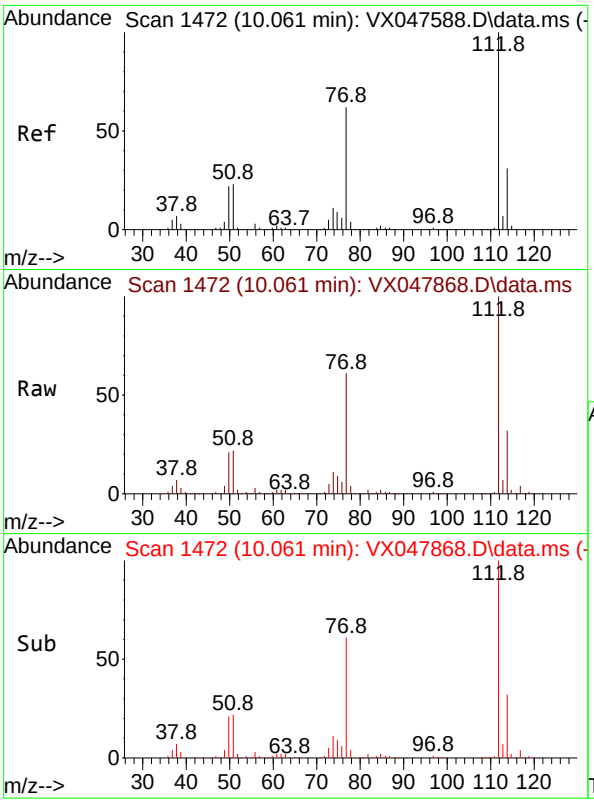


#64
Tetrachloroethene
Concen: 51.740 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:164 Resp: 90723

Ion	Ratio	Lower	Upper
164	100		
166	127.5	100.2	150.2
129	100.9	81.8	122.6
131	100.4	78.6	118.0



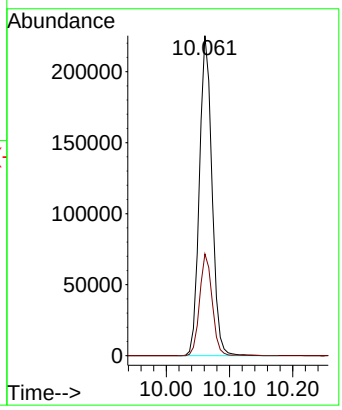


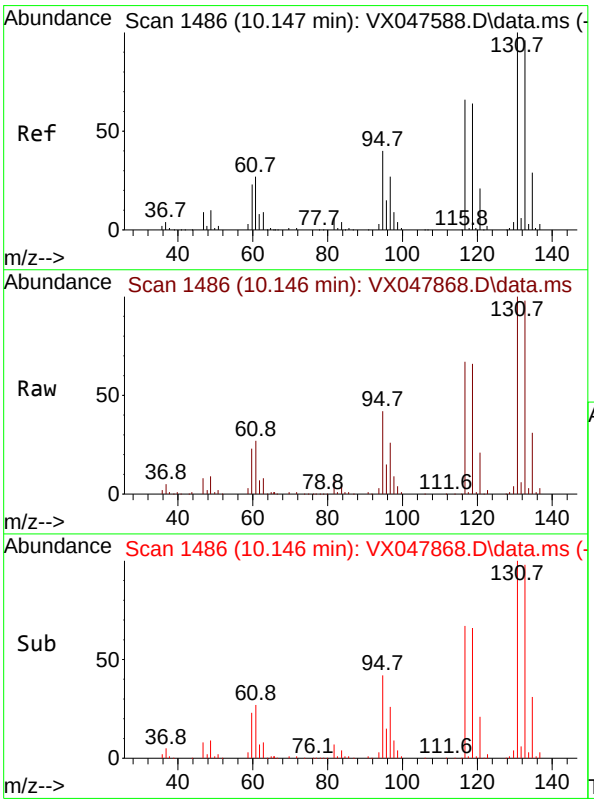
#65
Chlorobenzene
Concen: 51.045 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 311914

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.1	37.7

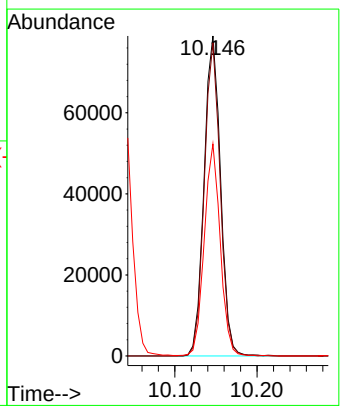


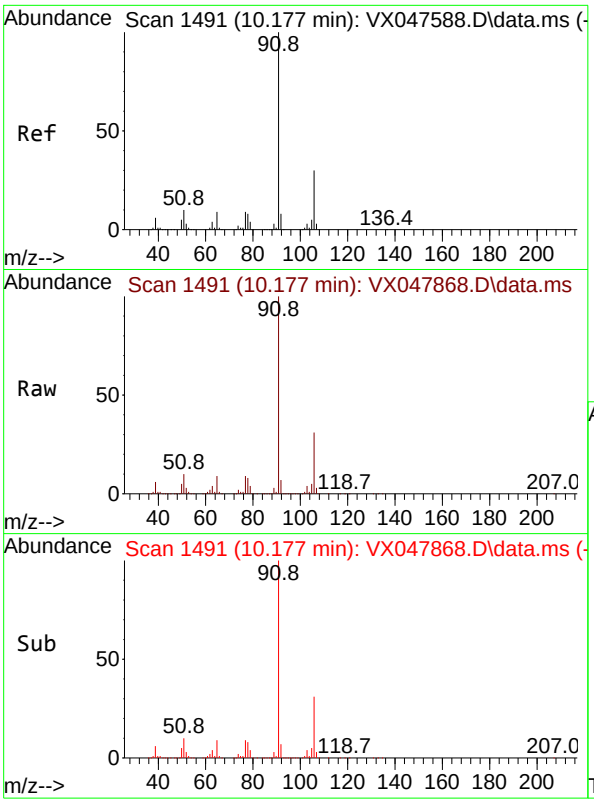


#66
1,1,1,2-Tetrachloroethane
Concen: 52.139 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:131 Resp: 109941

Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.3	142.0
119	64.2	32.0	96.0



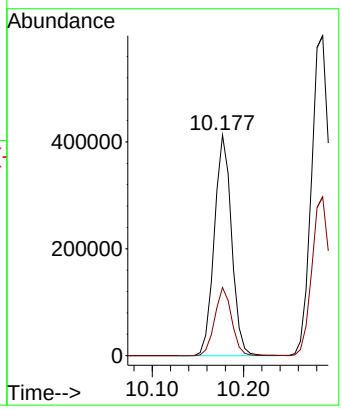


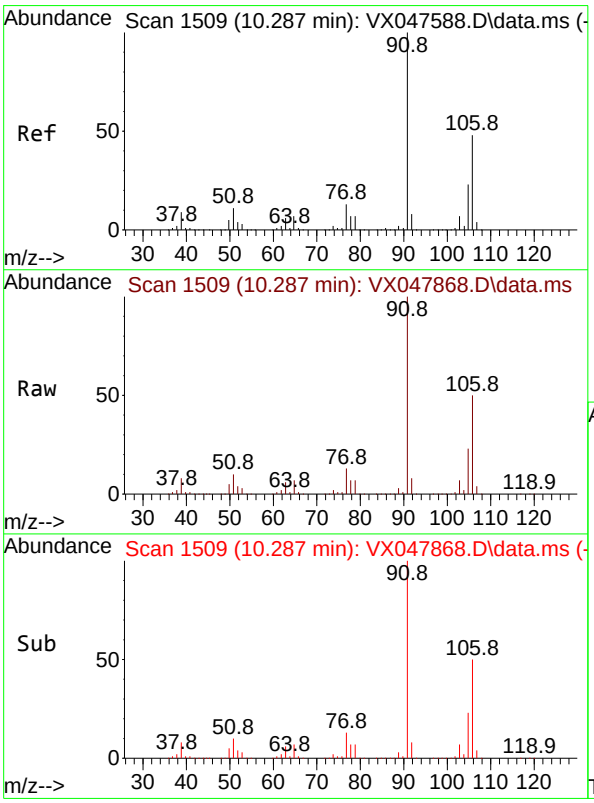
#67
Ethyl Benzene
Concen: 51.394 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 541862

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.3	36.5

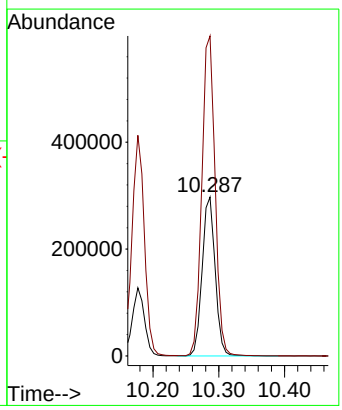


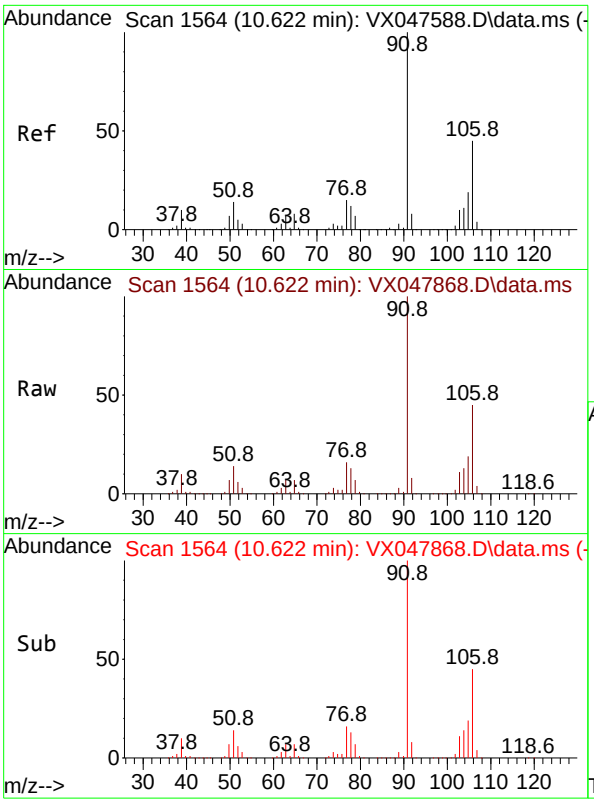


#68
m/p-Xylenes
Concen: 104.318 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:106 Resp: 409378

Ion	Ratio	Lower	Upper
106	100		
91	205.4	167.8	251.8



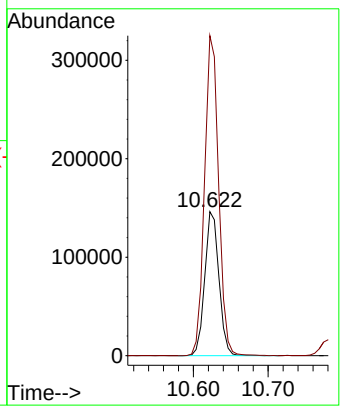


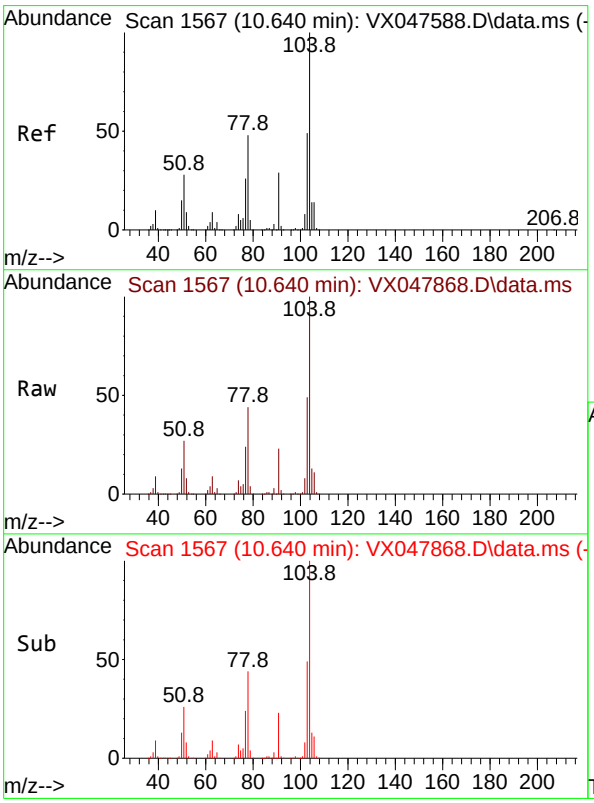
#69
o-Xylene
Concen: 50.691 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 192409

Ion	Ratio	Lower	Upper
106	100		
91	220.5	111.1	333.4

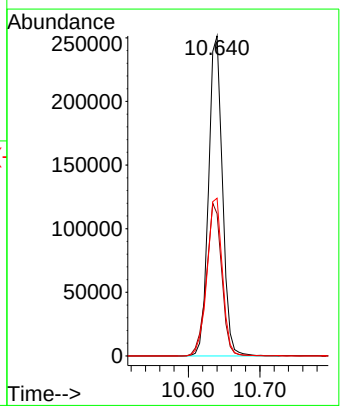


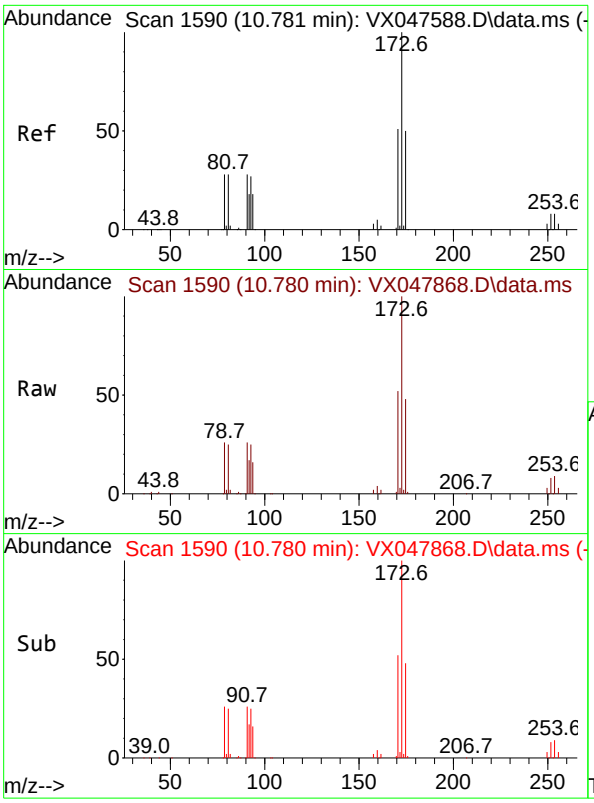


#70
Styrene
Concen: 51.017 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:104 Resp: 339311

Ion	Ratio	Lower	Upper
104	100		
78	52.4	43.1	64.7
103	54.3	43.1	64.7



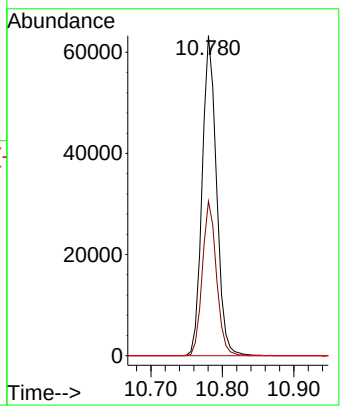


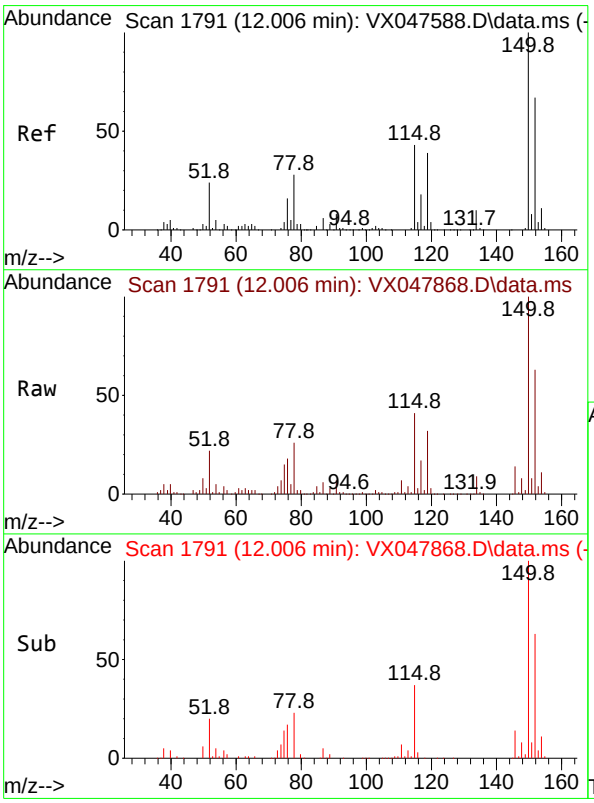
#71
Bromoform
Concen: 56.076 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 88291

Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.9	74.6
254	0.0	0.1	0.1#

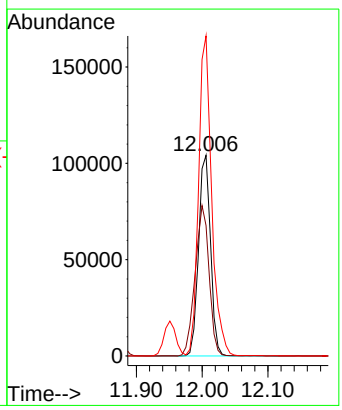


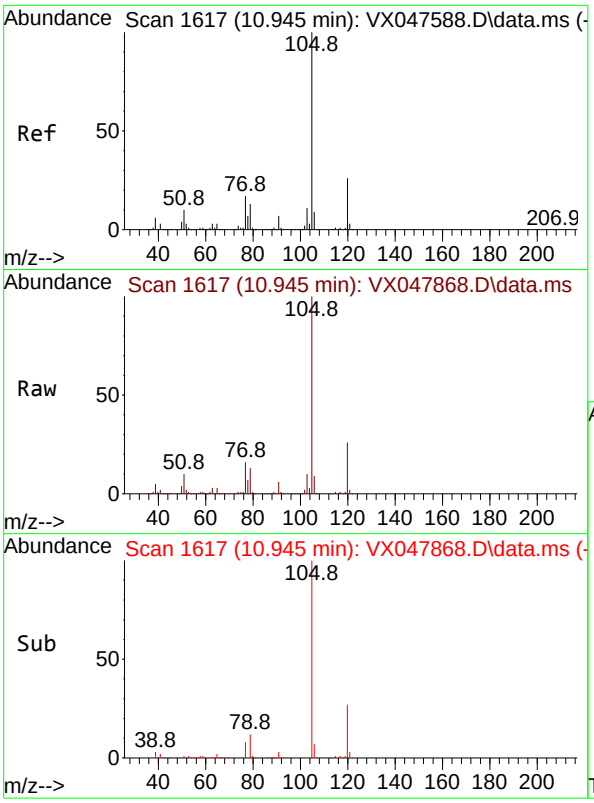


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:152 Resp: 131495

Ion	Ratio	Lower	Upper
152	100		
115	87.1	44.9	134.5
150	174.0	0.0	352.0



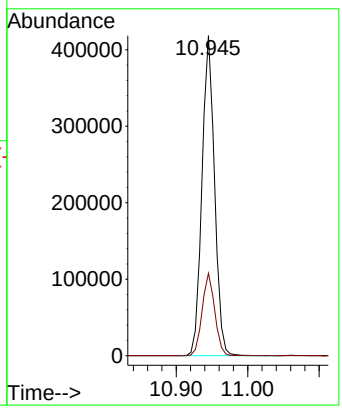


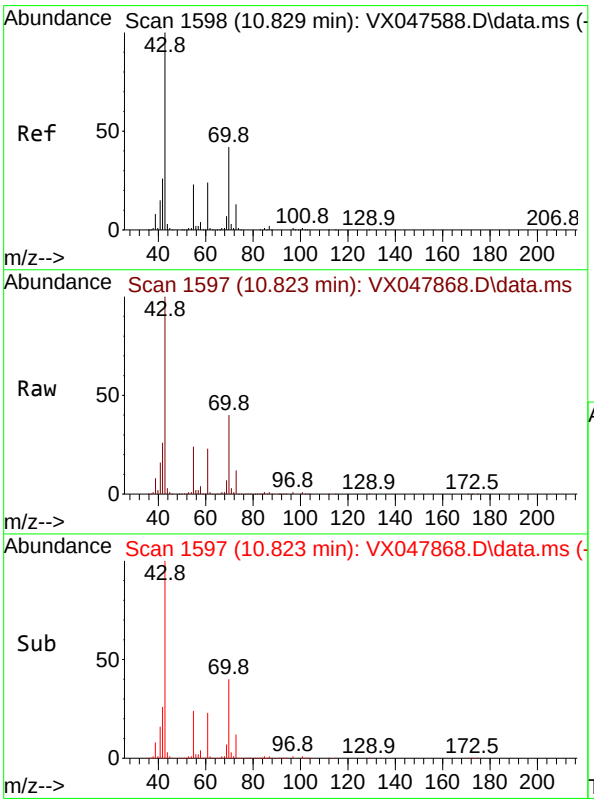
#73
Isopropylbenzene
Concen: 50.948 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 509330

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.8	38.4

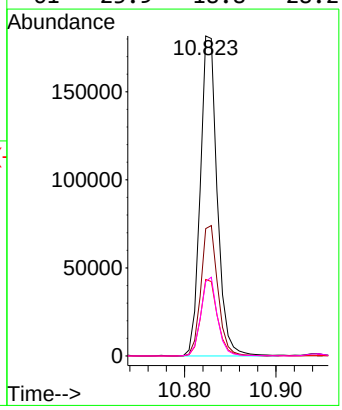


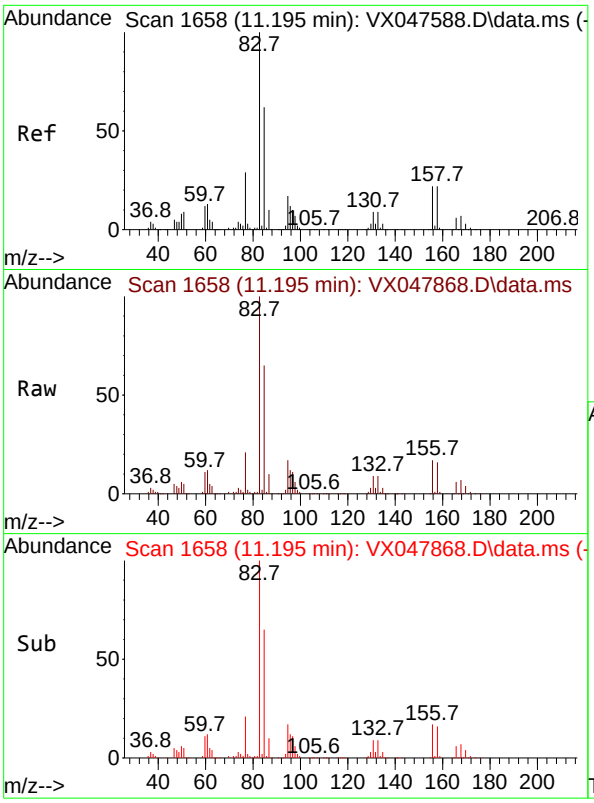


#74
N-amyl acetate
Concen: 51.268 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 43 Resp: 233722

Ion	Ratio	Lower	Upper
43	100		
70	40.6	32.0	48.0
55	24.0	18.9	28.3
61	23.9	18.8	28.2



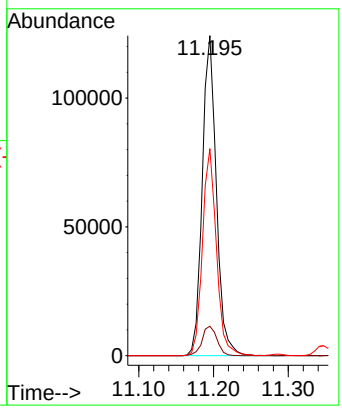


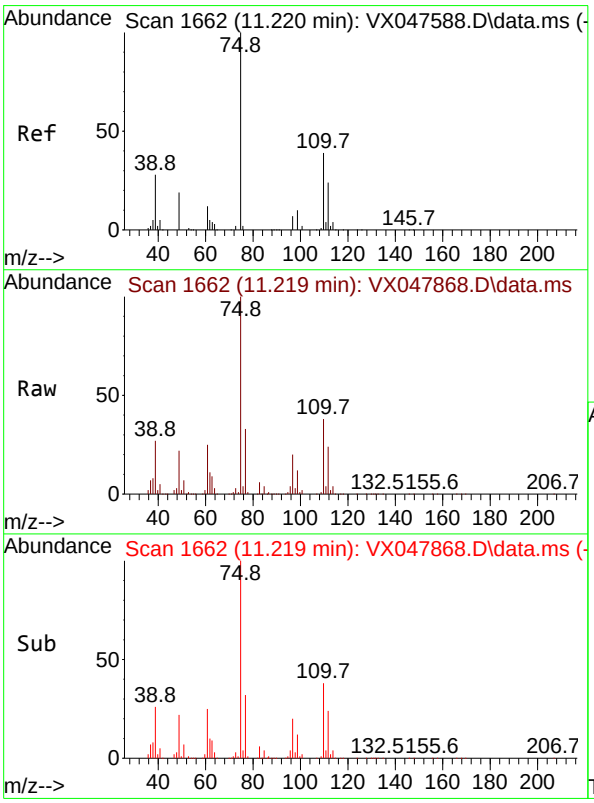
#75
1,1,2,2-Tetrachloroethane
Concen: 53.575 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 162045

Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.0	14.9
85	64.3	31.6	95.0

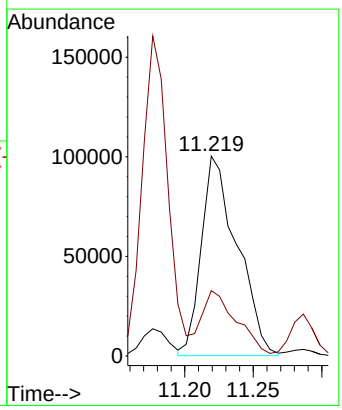


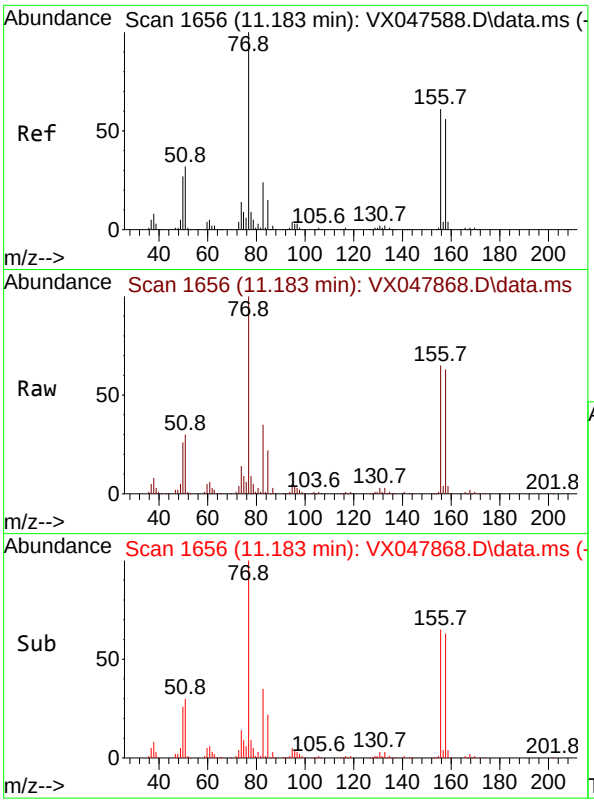


#76
1,2,3-Trichloropropane
Concen: 68.676 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 75 Resp: 182840

Ion	Ratio	Lower	Upper
75	100		
77	32.7	18.8	56.4



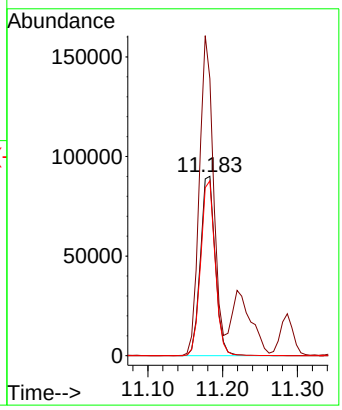


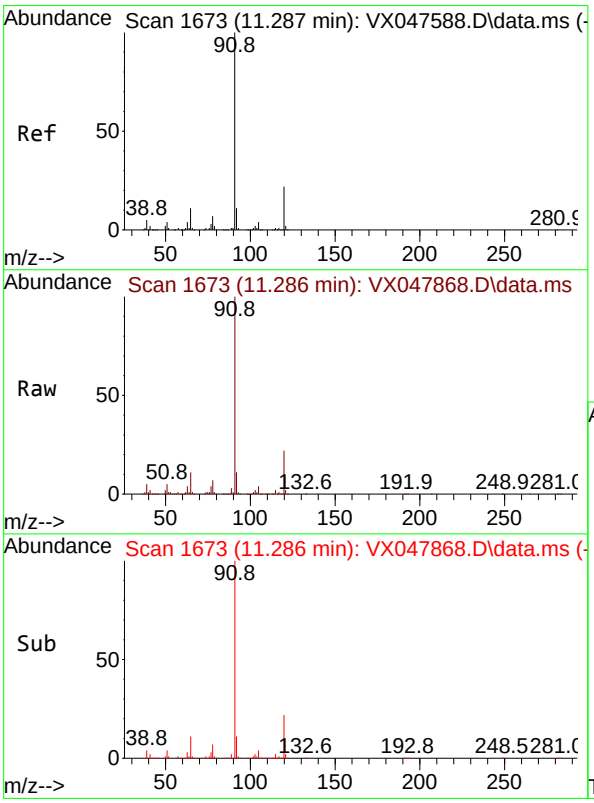
#77
Bromobenzene
Concen: 50.204 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 123612

Ion	Ratio	Lower	Upper
156	100		
77	169.4	89.7	269.1
158	95.8	47.9	143.6

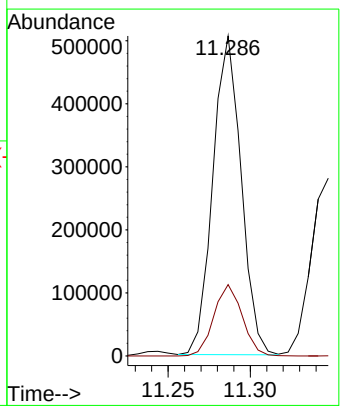


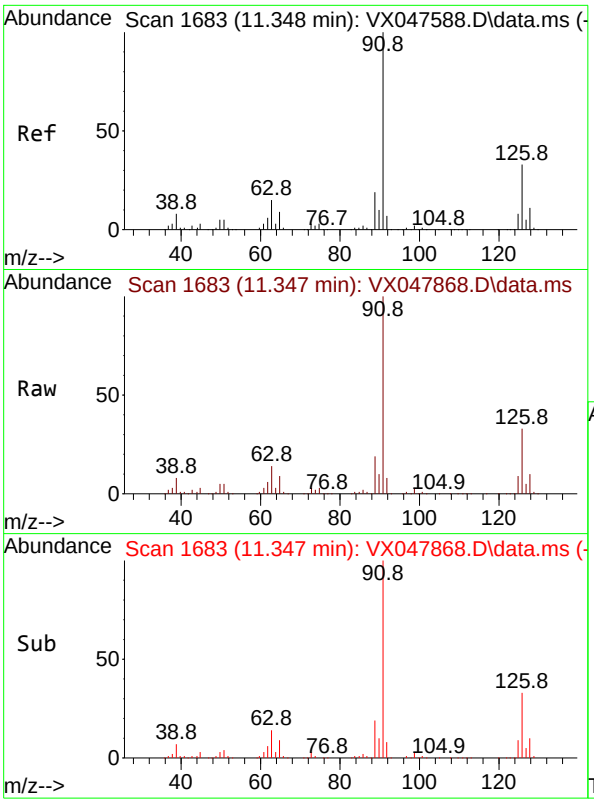


#78
n-propylbenzene
Concen: 51.147 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 91 Resp: 604446

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.1	33.1



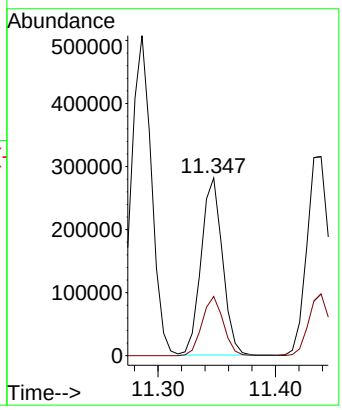


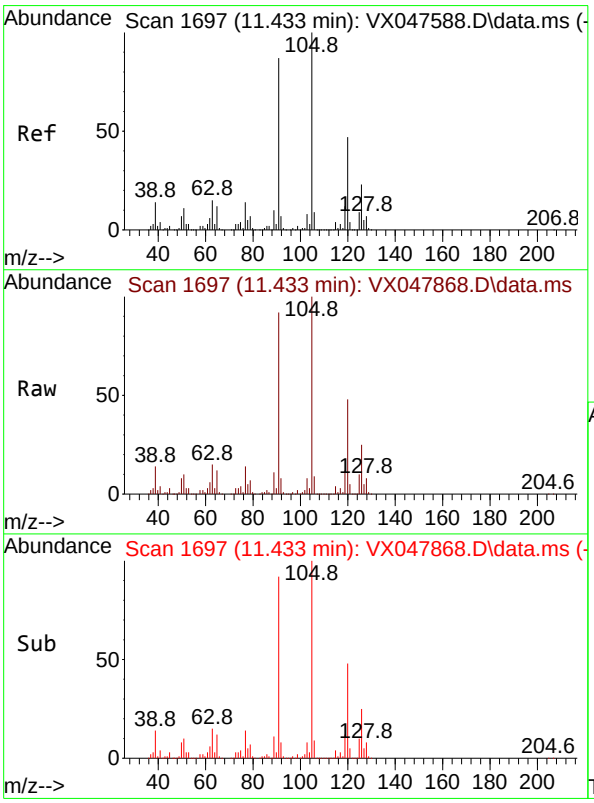
#79
2-Chlorotoluene
Concen: 48.976 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 354495

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.1	48.3

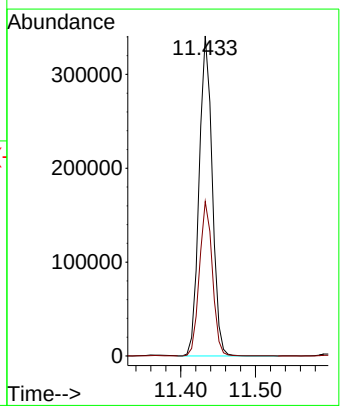


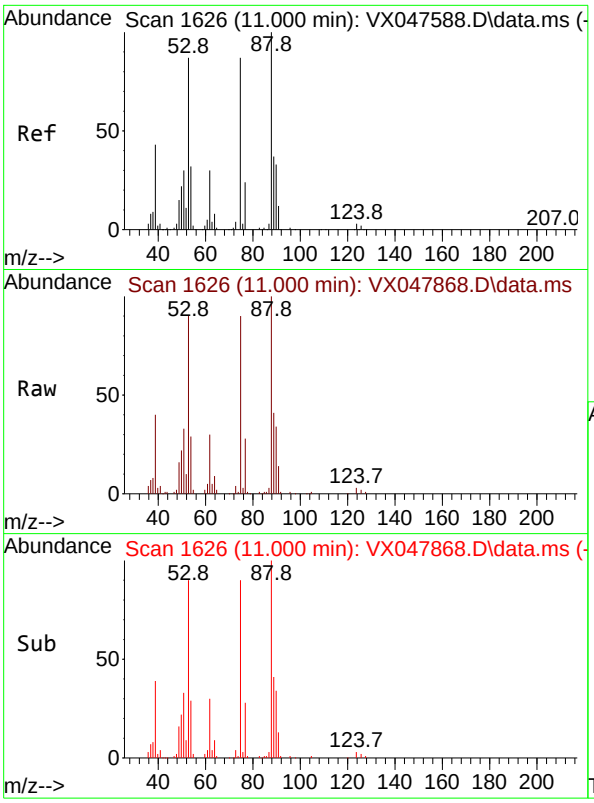


#80
1,3,5-Trimethylbenzene
Concen: 50.459 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:105 Resp: 414443

Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.6	70.8



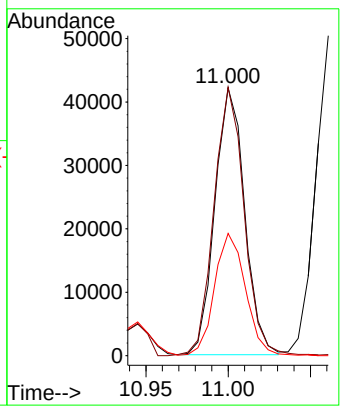


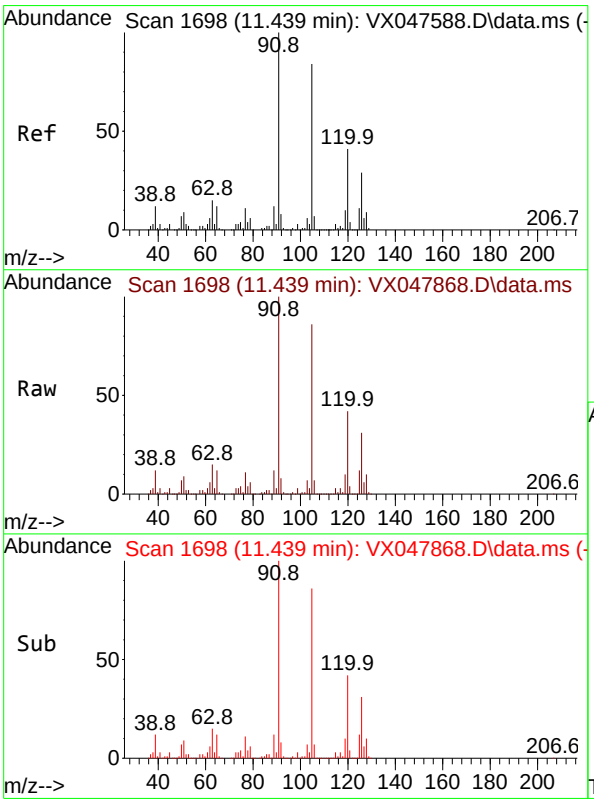
#81
trans-1,4-Dichloro-2-butene
Concen: 50.645 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 52874

Ion	Ratio	Lower	Upper
75	100		
53	102.3	83.4	125.2
89	47.9	36.3	54.5

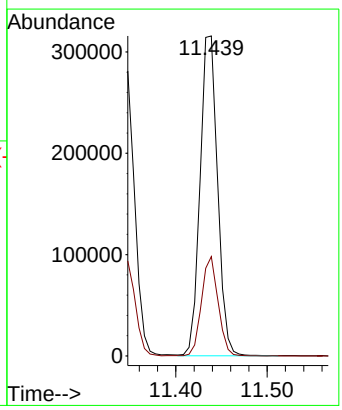


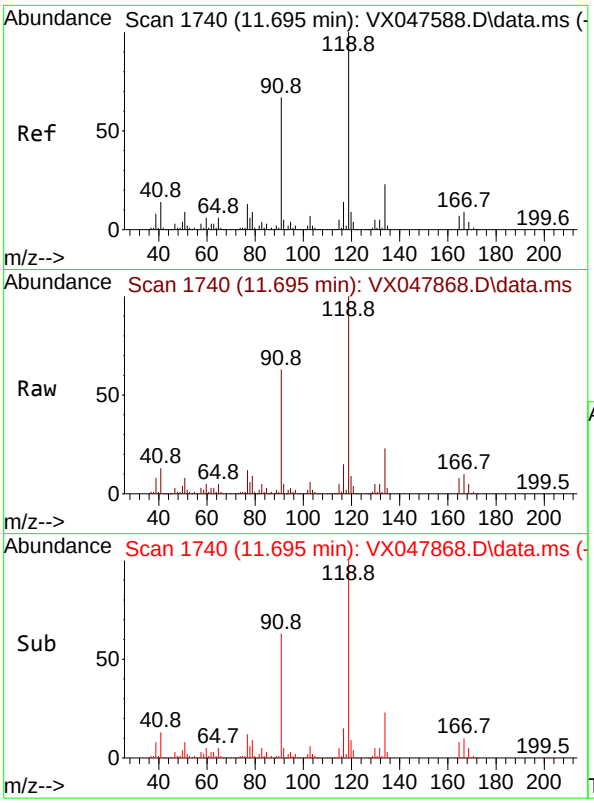


#82
4-Chlorotoluene
Concen: 49.019 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 91 Resp: 419046

Ion	Ratio	Lower	Upper
91	100		
126	29.4	14.2	42.6



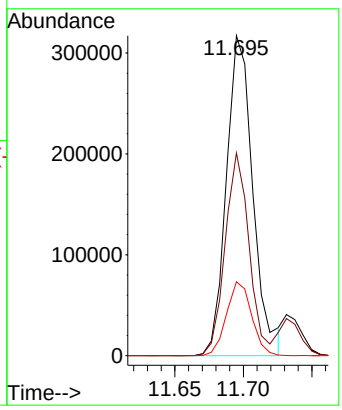


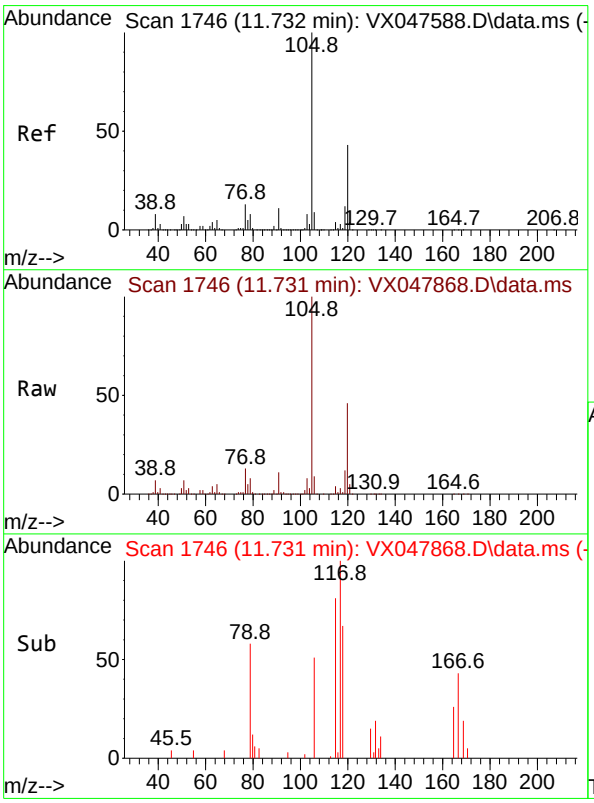
#83
tert-Butylbenzene
Concen: 50.816 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 427258

Ion	Ratio	Lower	Upper
119	100		
91	57.3	29.6	88.8
134	22.0	11.0	33.0

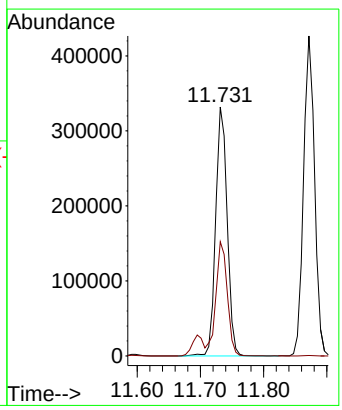


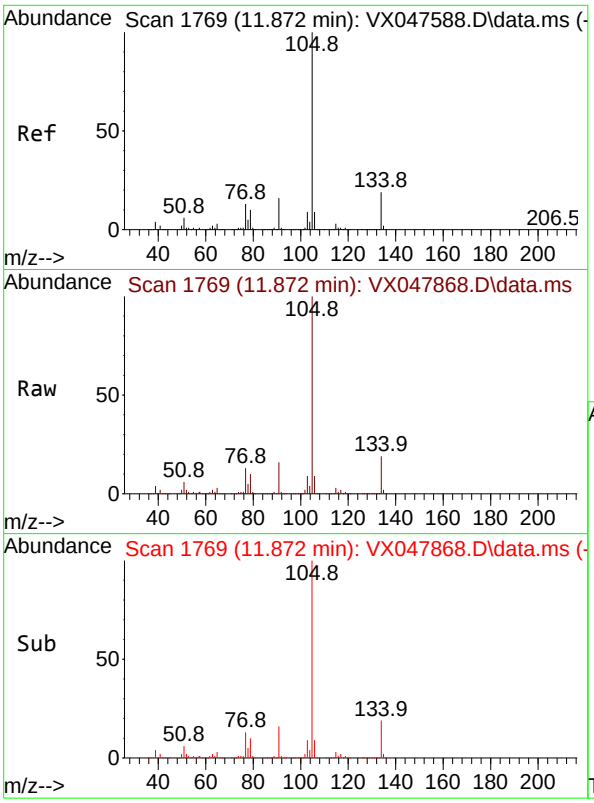


#84
1,2,4-Trimethylbenzene
Concen: 50.196 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:105 Resp: 417985

Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.1	66.1



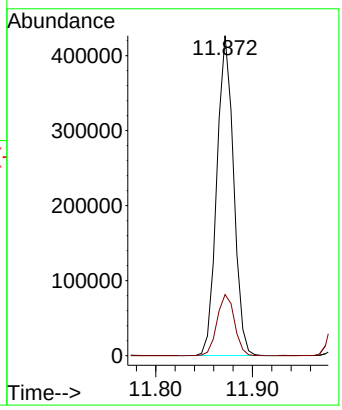


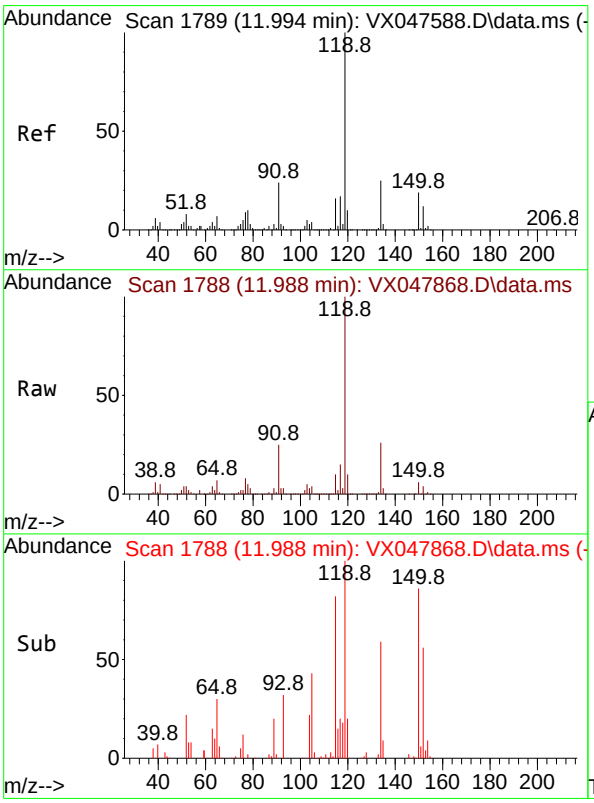
#85
sec-Butylbenzene
Concen: 51.301 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 512347

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.5

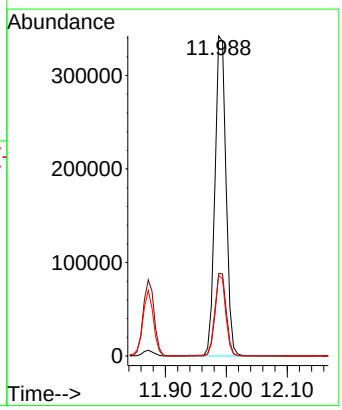


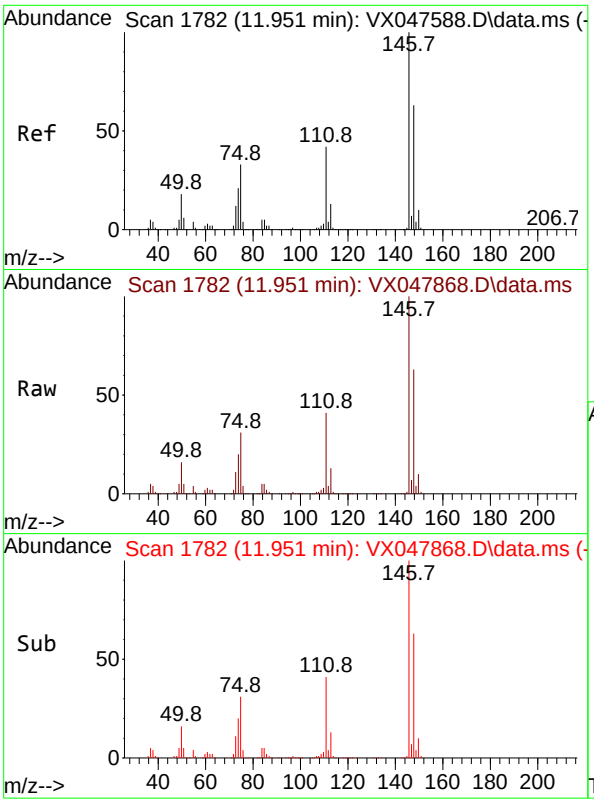


#86
p-Isopropyltoluene
Concen: 50.890 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:119 Resp: 430271

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	24.8	12.6	37.6



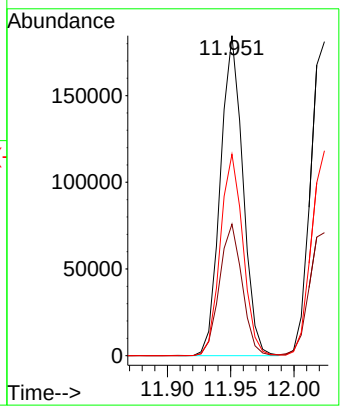


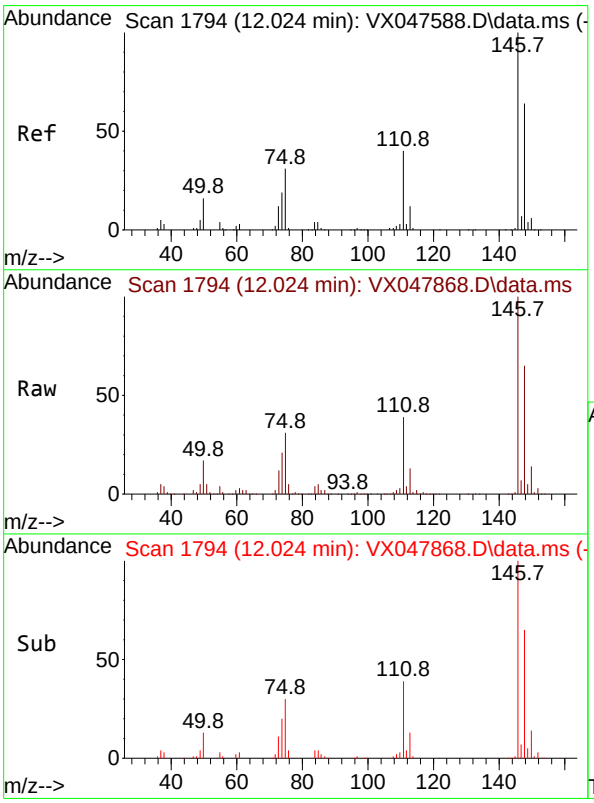
#87
1,3-Dichlorobenzene
Concen: 49.923 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 228315

Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.5	64.5
148	63.3	32.0	96.0

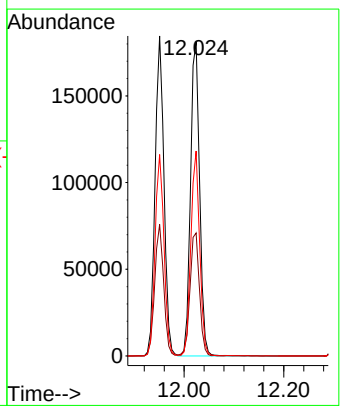


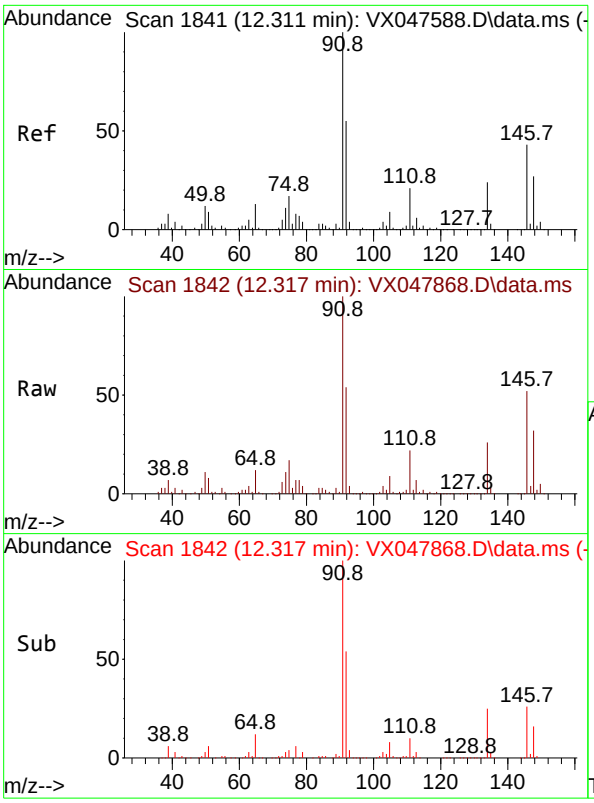


#88
1,4-Dichlorobenzene
Concen: 48.983 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:146 Resp: 229920

Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.8	62.4
148	62.9	31.7	95.1



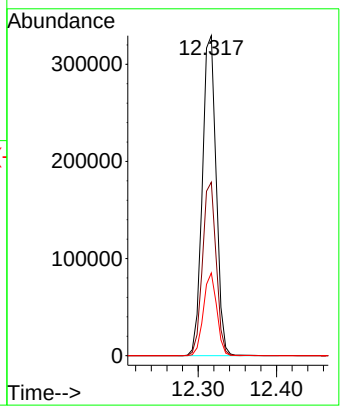


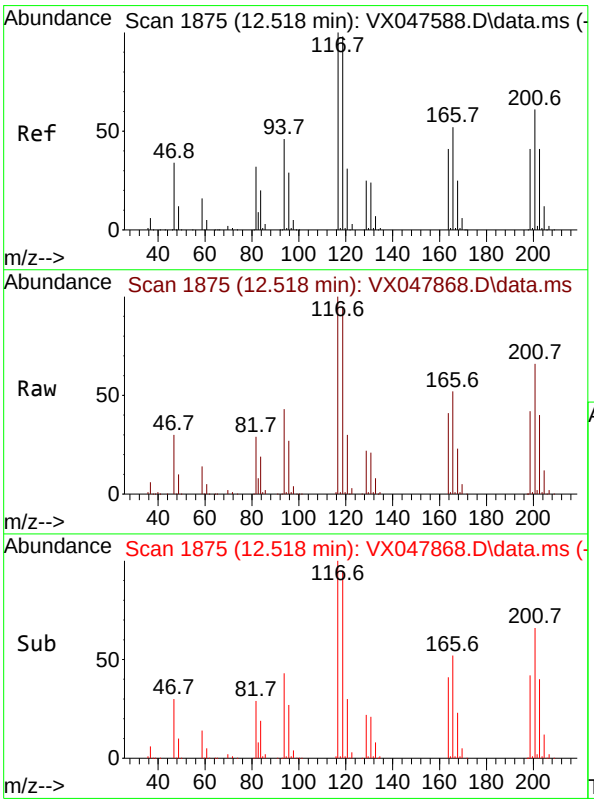
#89
n-Butylbenzene
Concen: 51.508 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 402968

Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.6	82.7
134	24.9	12.6	37.8

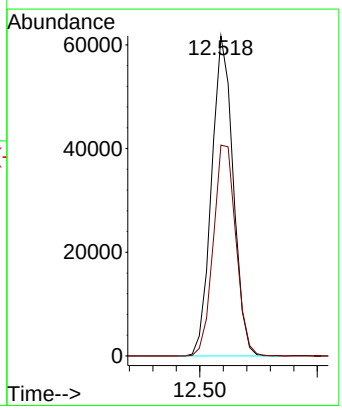


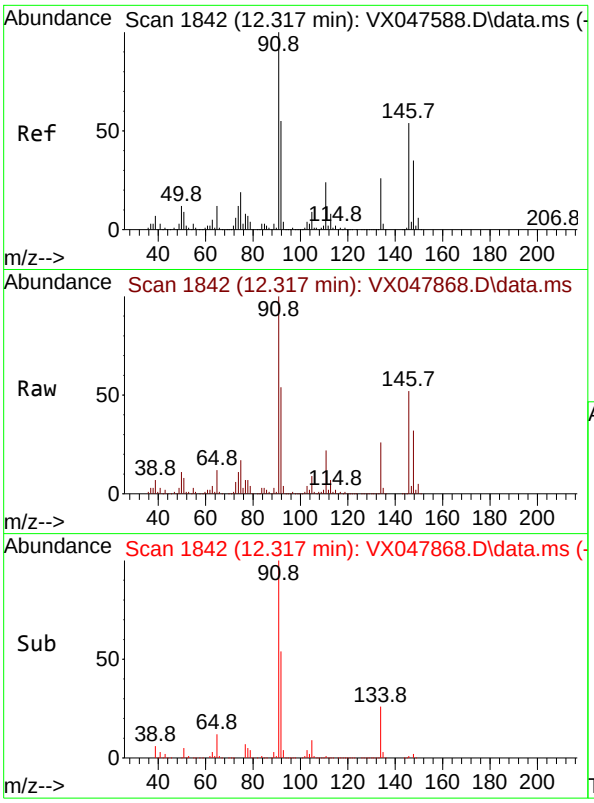


#90
Hexachloroethane
Concen: 52.897 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:117 Resp: 78523

Ion	Ratio	Lower	Upper
117	100		
201	69.2	34.2	102.5



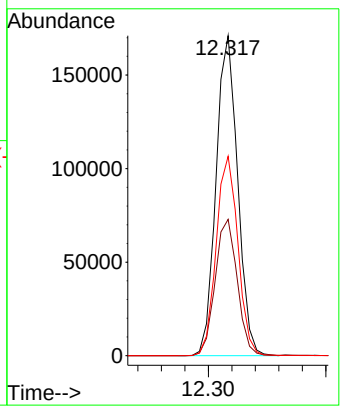


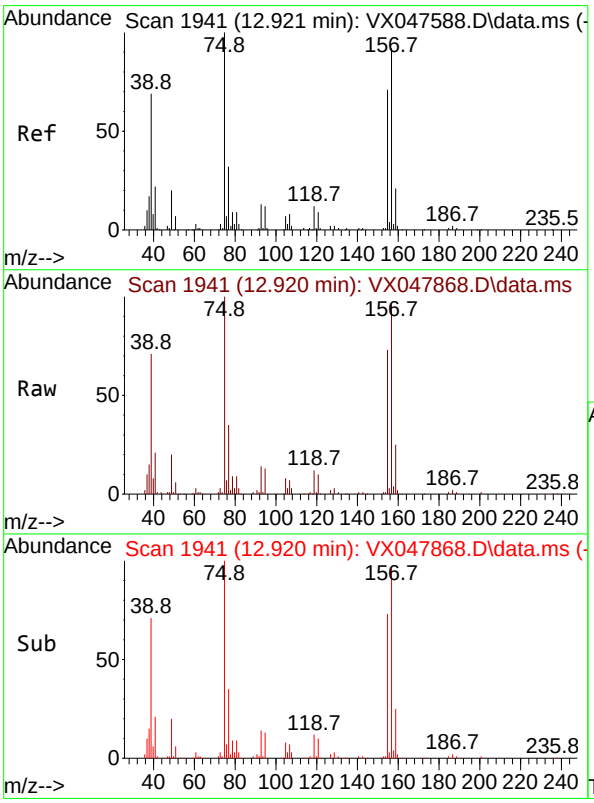
#91
1,2-Dichlorobenzene
Concen: 50.118 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 218366

Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.2	66.6
148	62.9	31.8	95.4

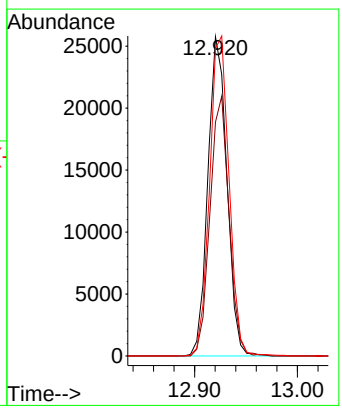


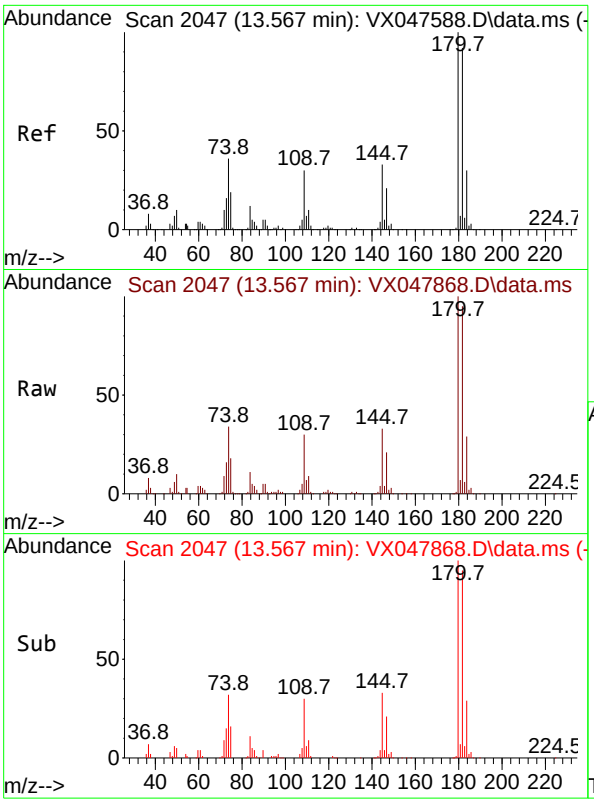


#92
1,2-Dibromo-3-Chloropropane
Concen: 54.261 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion: 75 Resp: 33228

Ion	Ratio	Lower	Upper
75	100		
155	81.2	37.7	113.1
157	102.3	49.8	149.4



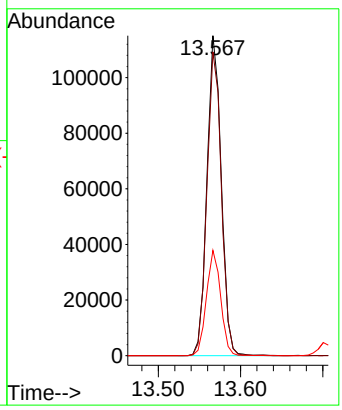


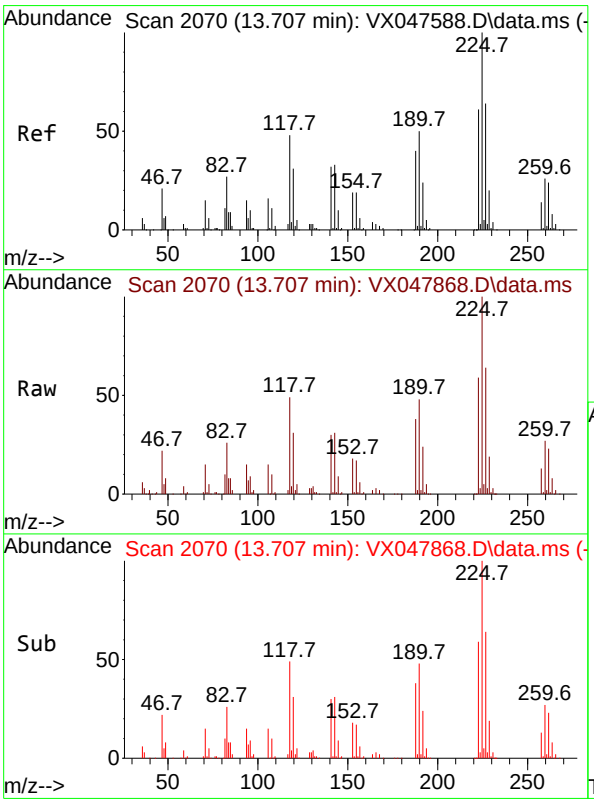
#93
1,2,4-Trichlorobenzene
Concen: 49.024 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 138822

Ion	Ratio	Lower	Upper
180	100		
182	95.8	46.6	139.8
145	32.9	16.4	49.1

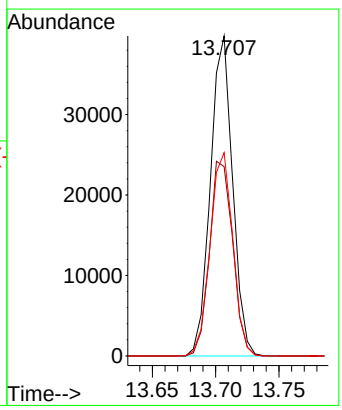


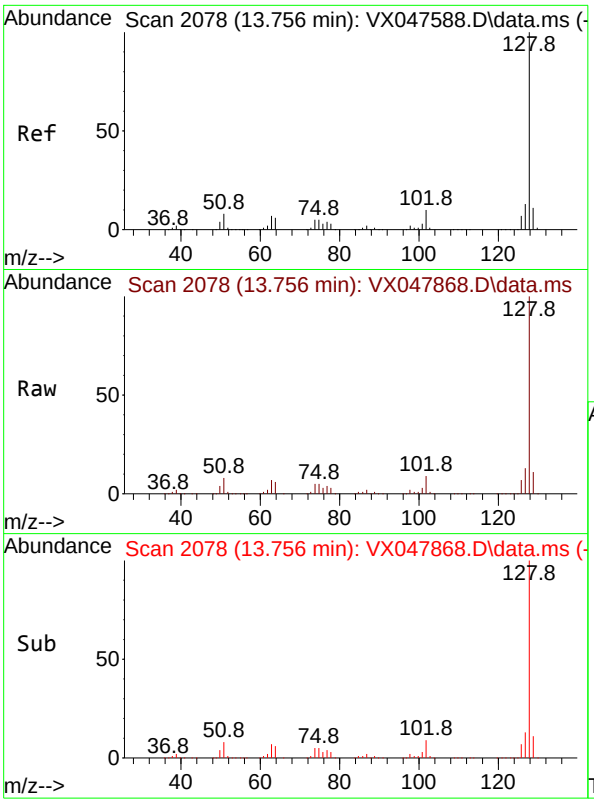


#94
Hexachlorobutadiene
Concen: 50.335 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:225 Resp: 48414

Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.7	95.1
227	65.1	32.0	96.0



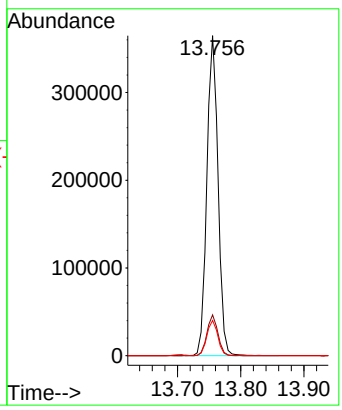


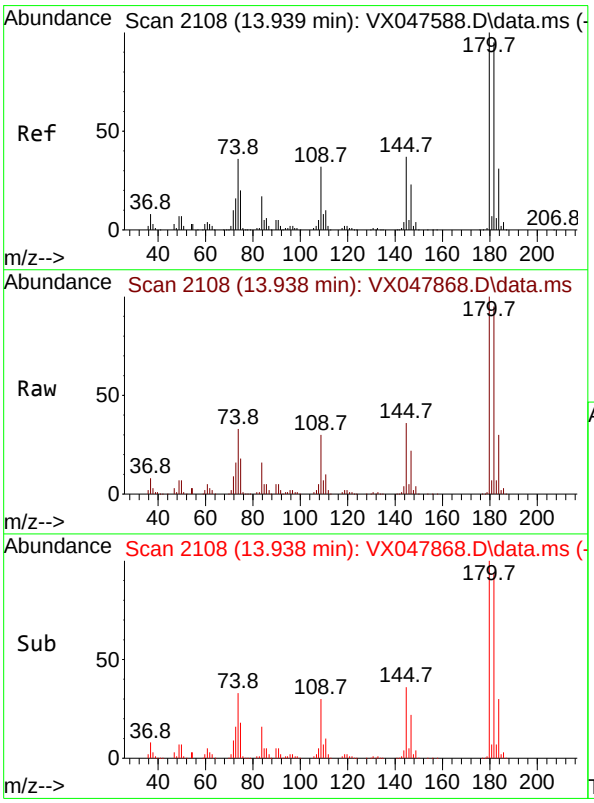
#95
Naphthalene
Concen: 51.950 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 447951

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	10.8	8.8	13.2

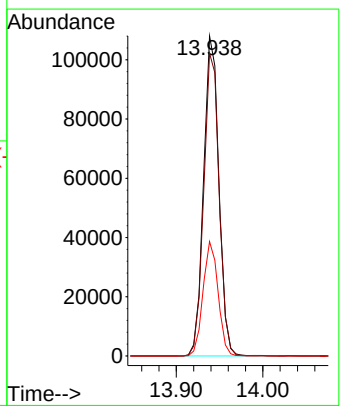




#96
1,2,3-Trichlorobenzene
Concen: 50.248 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047868.D
Acq: 29 Sep 2025 08:59

Tgt Ion:180 Resp: 132359

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.6	142.8
145	35.2	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047871.D
Acq On : 29 Sep 2025 10:44
Operator : JC/MD
Sample : VX0929WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Quant Time: Sep 30 01:15:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	165805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	286774	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	261167	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	131097	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	128757	48.786	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 97.580%			
35) Dibromofluoromethane	5.367	113	101652	52.854	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.700%			
50) Toluene-d8	8.635	98	348270	52.333	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.660%			
62) 4-Bromofluorobenzene	11.061	95	133538	52.873	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.740%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	38206	22.252	ug/l	98
3) Chloromethane	1.301	50	42517	18.842	ug/l	100
4) Vinyl Chloride	1.380	62	44949	20.349	ug/l	99
5) Bromomethane	1.618	94	30868	22.038	ug/l	97
6) Chloroethane	1.697	64	29082	19.699	ug/l	99
7) Trichlorofluoromethane	1.892	101	67065	20.448	ug/l	98
8) Diethyl Ether	2.136	74	25180	18.768	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	40663	21.203	ug/l	99
10) Methyl Iodide	2.453	142	47303	15.815	ug/l	99
11) Tert butyl alcohol	2.940	59	29747	101.202	ug/l	100
12) 1,1-Dichloroethene	2.325	96	39140	19.869	ug/l	96
13) Acrolein	2.239	56	22368	82.579	ug/l	100
14) Allyl chloride	2.666	41	76339	18.779	ug/l	96
15) Acrylonitrile	3.056	53	116222	106.747	ug/l	98
16) Acetone	2.373	43	114103	99.433	ug/l	96
17) Carbon Disulfide	2.514	76	105231	19.513	ug/l	98
18) Methyl Acetate	2.697	43	54570	21.368	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	138931	19.320	ug/l	99
20) Methylene Chloride	2.788	84	47306	19.475	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	42722	20.144	ug/l	95
22) Diisopropyl ether	3.751	45	154669	19.633	ug/l	94
23) Vinyl Acetate	3.709	43	615425	97.606	ug/l	100
24) 1,1-Dichloroethane	3.605	63	83142	19.856	ug/l	99
25) 2-Butanone	4.538	43	149550	104.478	ug/l	100
26) 2,2-Dichloropropane	4.465	77	69650	20.010	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	51151	19.693	ug/l	98
28) Bromochloromethane	4.885	49	33367	18.253	ug/l	97
29) Tetrahydrofuran	4.989	42	89682	104.148	ug/l	100
30) Chloroform	5.074	83	86708	20.492	ug/l	96
31) Cyclohexane	5.458	56	67846	19.454	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	72871	20.303	ug/l	99
36) 1,1-Dichloropropene	5.684	75	53336	18.978	ug/l	95
37) Ethyl Acetate	4.702	43	61726	20.513	ug/l	99
38) Carbon Tetrachloride	5.666	117	63005	20.634	ug/l	96
39) Methylcyclohexane	7.360	83	64393	20.185	ug/l	96
40) Benzene	6.019	78	173753	20.356	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047871.D
Acq On : 29 Sep 2025 10:44
Operator : JC/MD
Sample : VX0929WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Quant Time: Sep 30 01:15:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.904	41	31411	20.220	ug/l		97
42) 1,2-Dichloroethane	6.068	62	64455	19.846	ug/l		98
43) Isopropyl Acetate	6.324	43	100186	20.301	ug/l		99
44) Trichloroethene	7.110	130	42469	20.580	ug/l		100
45) 1,2-Dichloropropane	7.415	63	45524	20.828	ug/l		97
46) Dibromomethane	7.568	93	32802	20.623	ug/l		97
47) Bromodichloromethane	7.805	83	67569	20.587	ug/l		97
48) Methyl methacrylate	7.677	41	48101	19.567	ug/l		96
49) 1,4-Dioxane	7.647	88	11700	470.960	ug/l		92
51) 4-Methyl-2-Pentanone	8.555	43	304782	111.388	ug/l		99
52) Toluene	8.702	92	109163	20.758	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	66237	19.785	ug/l		94
54) cis-1,3-Dichloropropene	8.348	75	71660	20.026	ug/l		99
55) 1,1,2-Trichloroethane	9.134	97	43475	21.440	ug/l		99
56) Ethyl methacrylate	9.098	69	64963	20.399	ug/l		96
57) 1,3-Dichloropropane	9.293	76	73896	21.214	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.226	63	144323	101.895	ug/l		99
59) 2-Hexanone	9.415	43	217848	110.855	ug/l		99
60) Dibromochloromethane	9.506	129	50383	21.564	ug/l		100
61) 1,2-Dibromoethane	9.592	107	44579	21.584	ug/l		99
64) Tetrachloroethene	9.256	164	35678	20.956	ug/l		95
65) Chlorobenzene	10.061	112	120014	20.227	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.146	131	42740	20.875	ug/l		99
67) Ethyl Benzene	10.177	91	201086	19.642	ug/l		99
68) m/p-Xylenes	10.287	106	156280	41.014	ug/l		98
69) o-Xylene	10.622	106	74514	20.218	ug/l		97
70) Styrene	10.640	104	128890	19.959	ug/l		98
71) Bromoform	10.781	173	33237	21.741	ug/l	#	98
73) Isopropylbenzene	10.945	105	191306	19.194	ug/l		99
74) N-amyl acetate	10.829	43	85668	18.849	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.195	83	61986	20.556	ug/l		98
76) 1,2,3-Trichloropropane	11.219	75	69196	26.069	ug/l		90
77) Bromobenzene	11.183	156	47755	19.454	ug/l		97
78) n-propylbenzene	11.287	91	231248	19.627	ug/l		99
79) 2-Chlorotoluene	11.347	91	140564	19.479	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	162726	19.872	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	19157	18.405	ug/l		99
82) 4-Chlorotoluene	11.439	91	165459	19.414	ug/l		98
83) tert-Butylbenzene	11.695	119	163354	19.487	ug/l		98
84) 1,2,4-Trimethylbenzene	11.732	105	161571	19.462	ug/l		100
85) sec-Butylbenzene	11.872	105	198132	19.899	ug/l		100
86) p-Isopropyltoluene	11.994	119	167264	19.843	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	90228	19.789	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	90782	19.399	ug/l		98
89) n-Butylbenzene	12.317	91	156039	20.006	ug/l		99
90) Hexachloroethane	12.518	117	29376	19.849	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	86030	19.805	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	12094	19.809	ug/l		95
93) 1,2,4-Trichlorobenzene	13.567	180	52503	18.597	ug/l		97
94) Hexachlorobutadiene	13.701	225	19133	19.953	ug/l		99
95) Naphthalene	13.756	128	160918	18.719	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	50611	19.272	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047871.D
Acq On : 29 Sep 2025 10:44
Operator : JC/MD
Sample : VX0929WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Quant Time: Sep 30 01:15:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

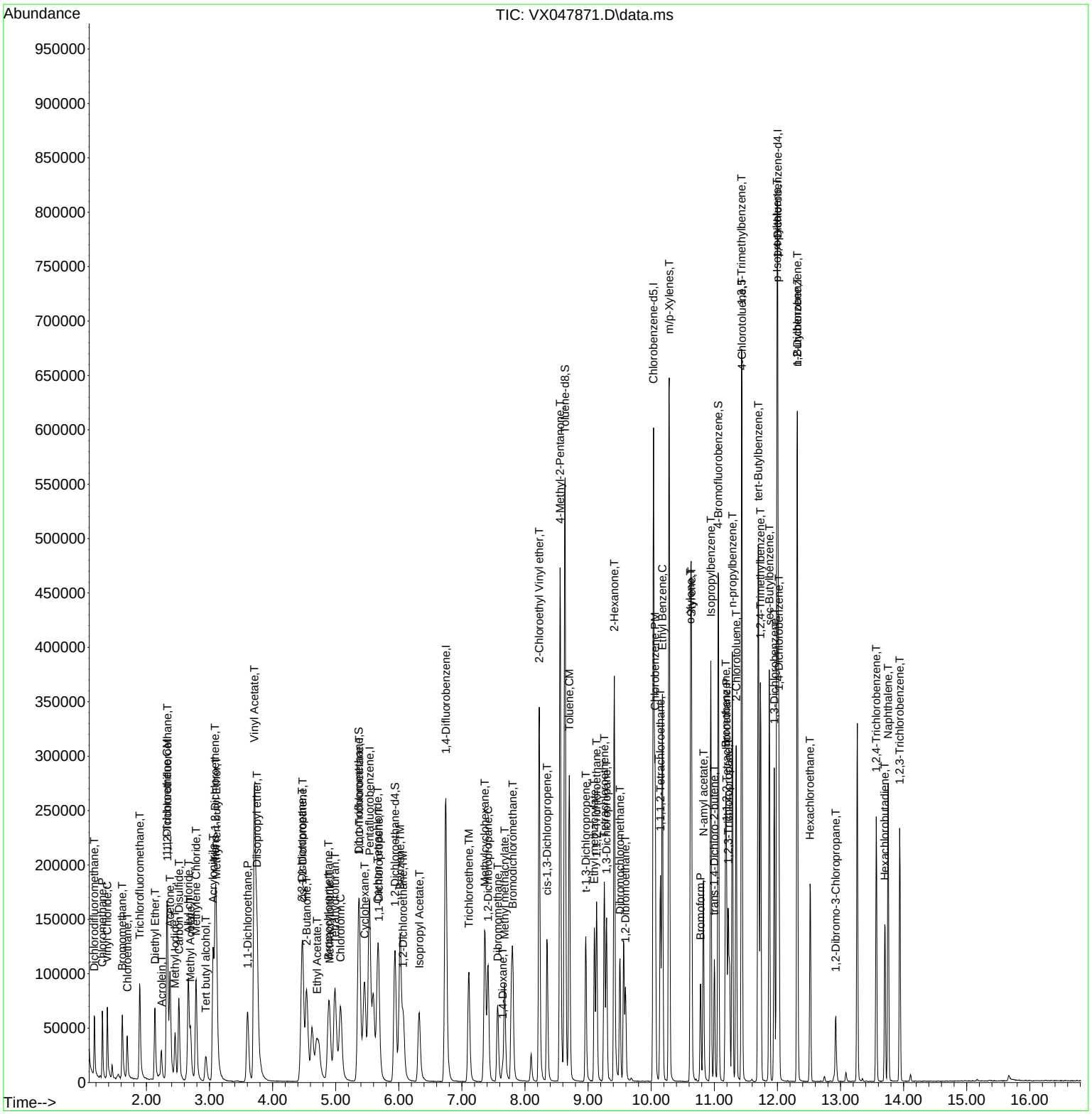
(#) = qualifier out of range (m) = manual integration (+) = signals summed

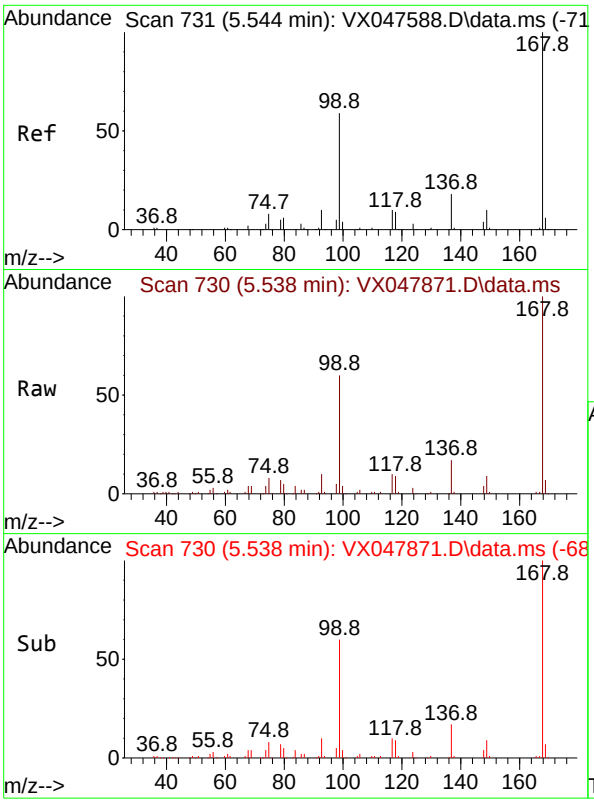
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047871.D
Acq On : 29 Sep 2025 10:44
Operator : JC/MD
Sample : VX0929WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Quant Time: Sep 30 01:15:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



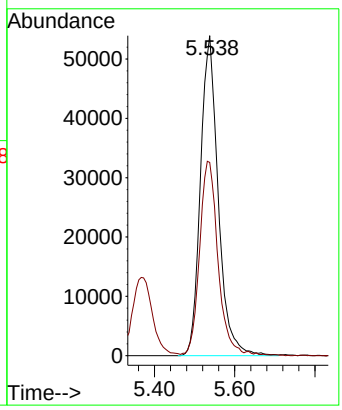


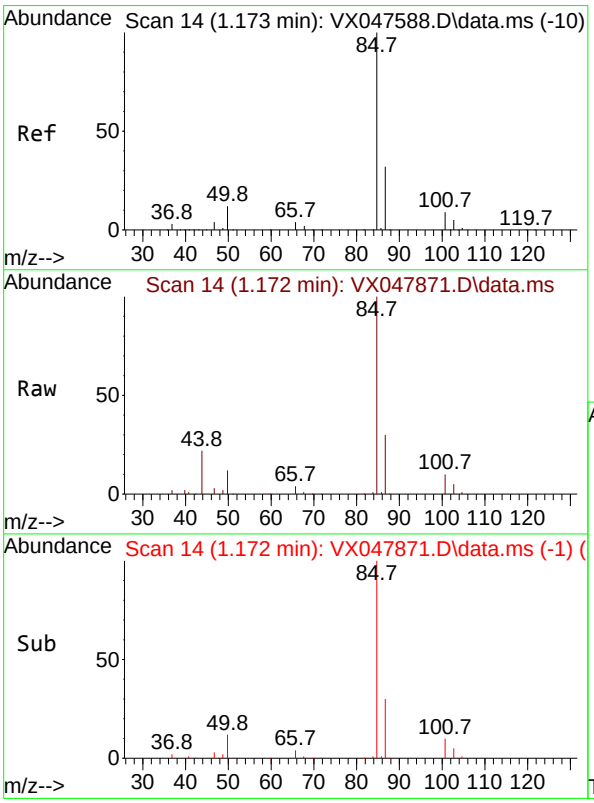
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion:168 Resp: 165805

Ion	Ratio	Lower	Upper
168	100		
99	60.2	48.8	73.2

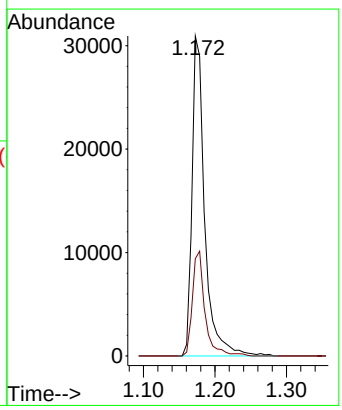


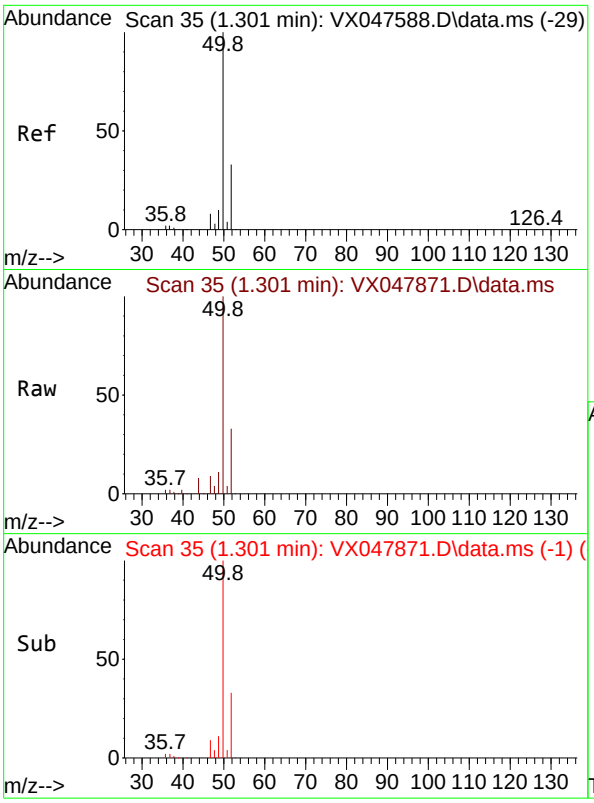


#2
Dichlorodifluoromethane
Concen: 22.252 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 85 Resp: 38206

Ion	Ratio	Lower	Upper
85	100		
87	30.4	15.8	47.3



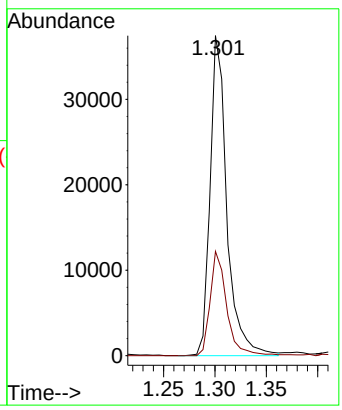


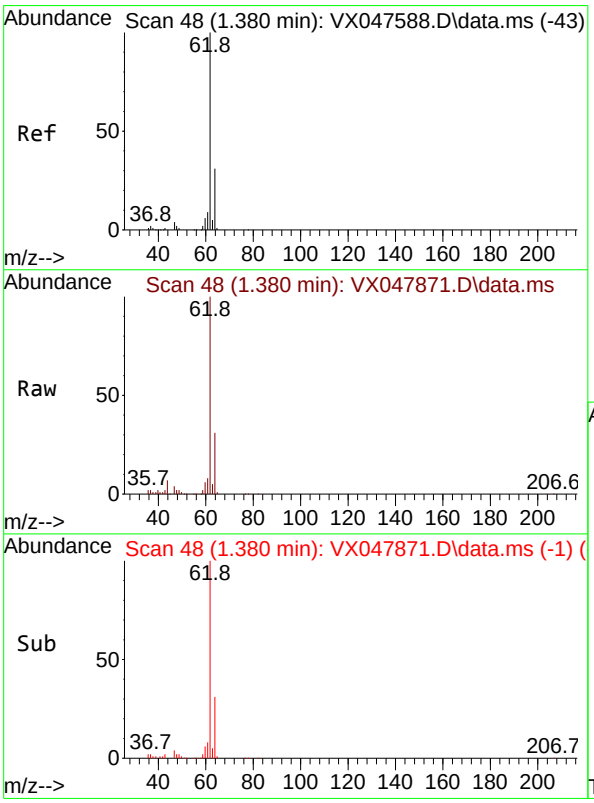
#3
Chloromethane
Concen: 18.842 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion: 50 Resp: 42517

Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.1	39.1

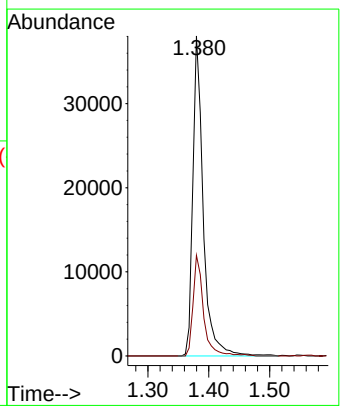


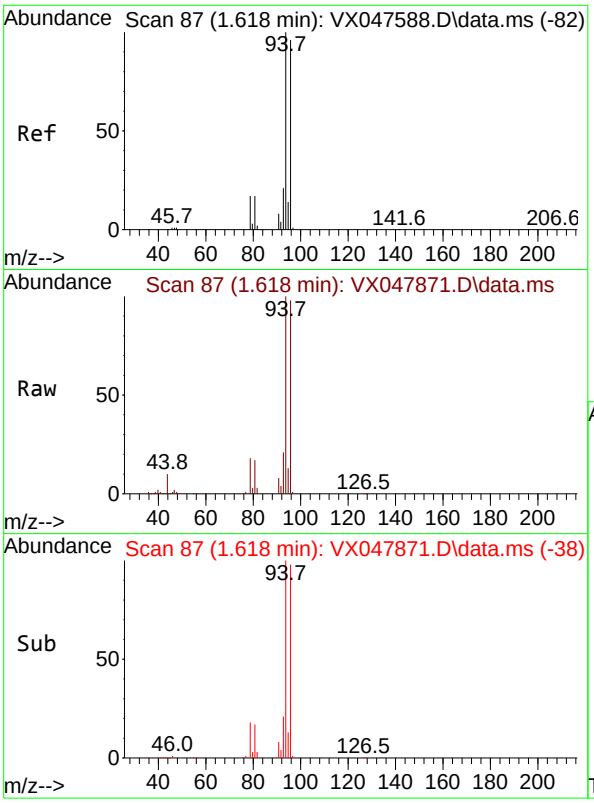


#4
Vinyl Chloride
Concen: 20.349 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 62 Resp: 44949

Ion	Ratio	Lower	Upper
62	100		
64	31.5	24.9	37.3



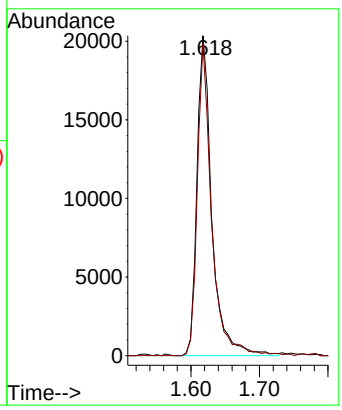


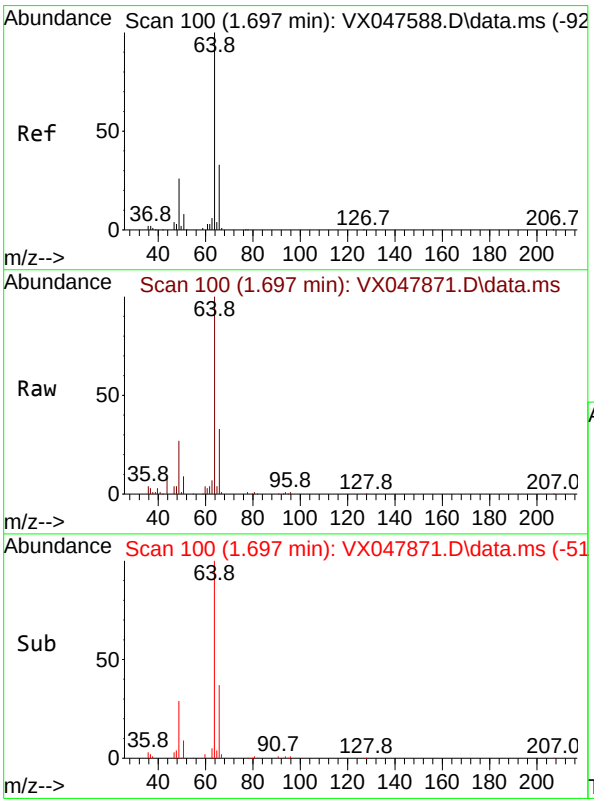
#5
Bromomethane
Concen: 22.038 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion: 94 Resp: 30868

Ion	Ratio	Lower	Upper
94	100		
96	98.7	76.6	115.0

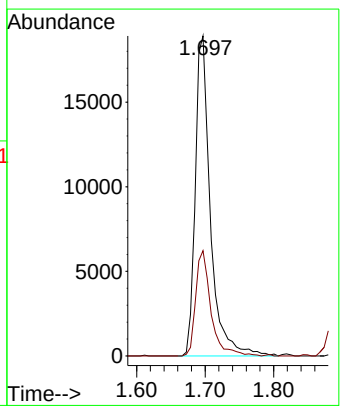


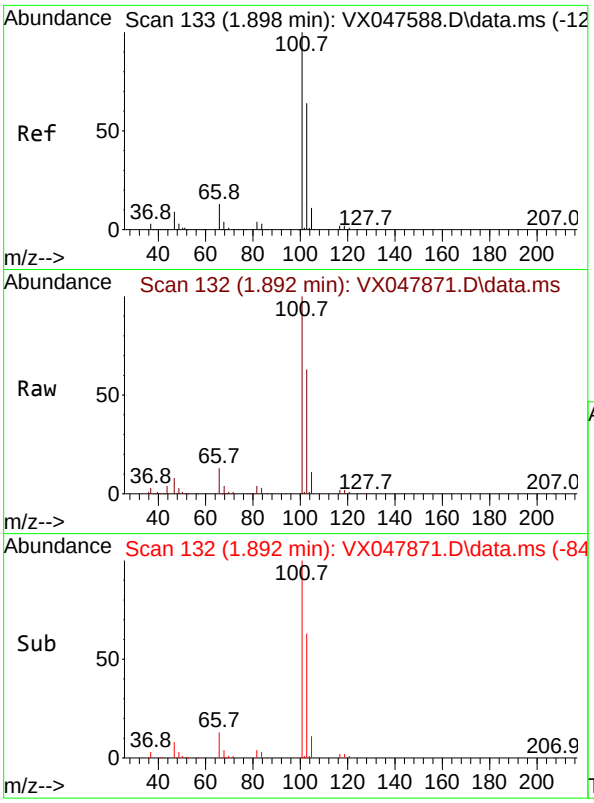


#6
Chloroethane
Concen: 19.699 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 64 Resp: 29082

Ion	Ratio	Lower	Upper
64	100		
66	32.9	26.1	39.1



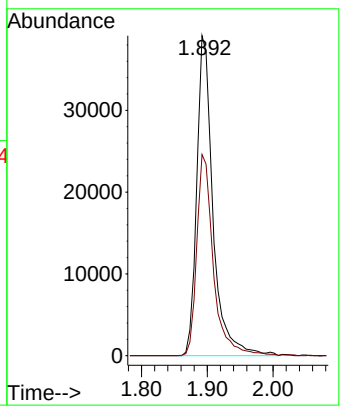


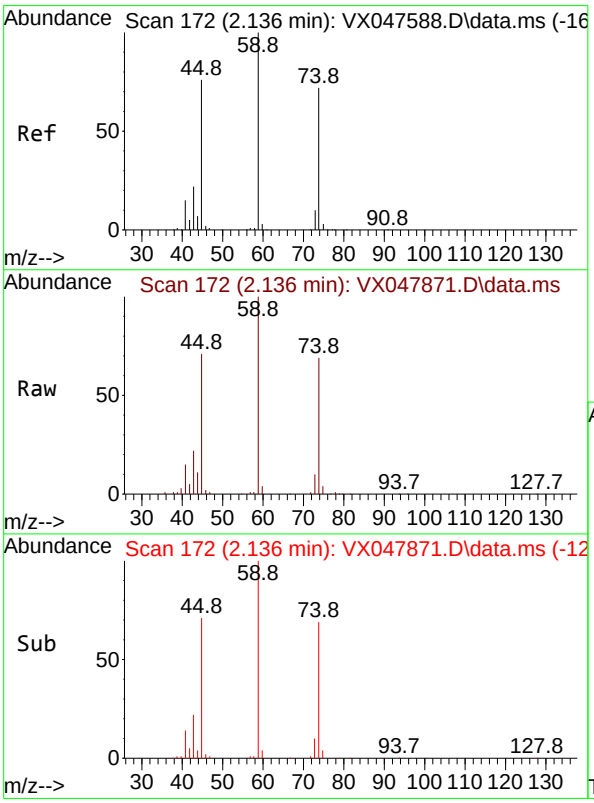
#7
Trichlorofluoromethane
Concen: 20.448 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion:101 Resp: 67065

Ion	Ratio	Lower	Upper
101	100		
103	62.9	51.4	77.2

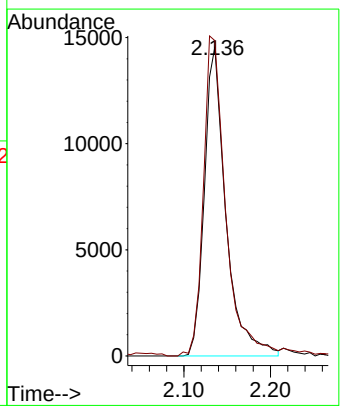


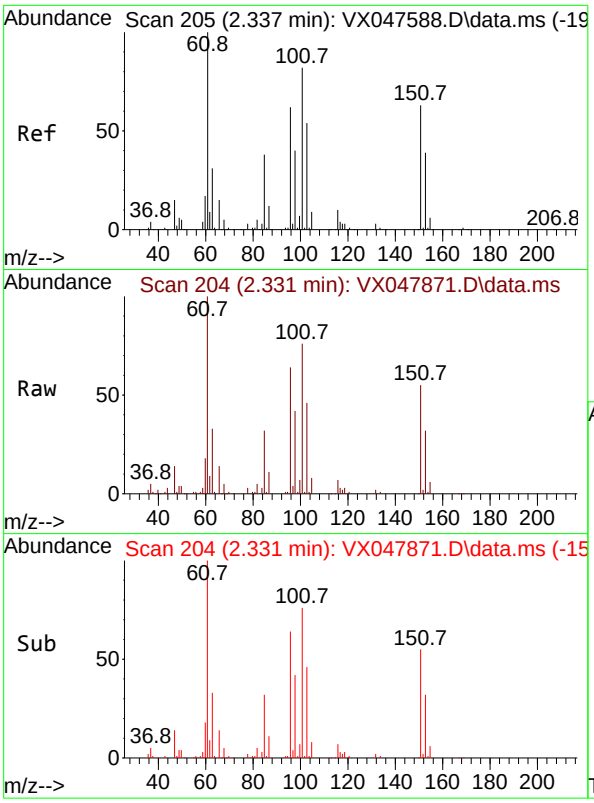


#8
Diethyl Ether
Concen: 18.768 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 74 Resp: 25180

Ion	Ratio	Lower	Upper
74	100		
45	106.4	52.3	156.8



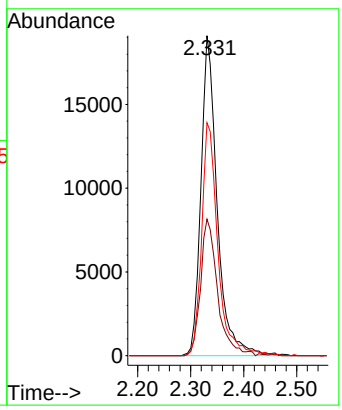


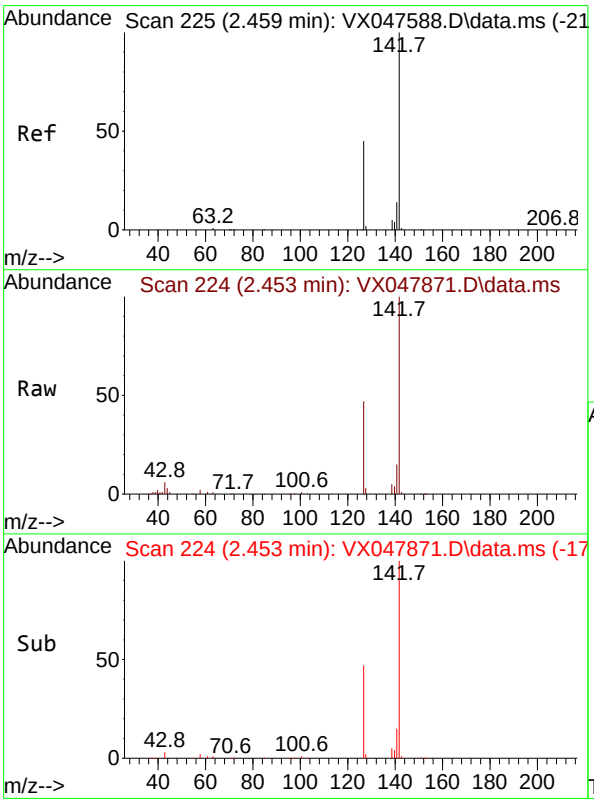
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.203 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion:101 Resp: 40663

Ion	Ratio	Lower	Upper
101	100		
85	44.8	35.5	53.3
151	73.0	59.4	89.0

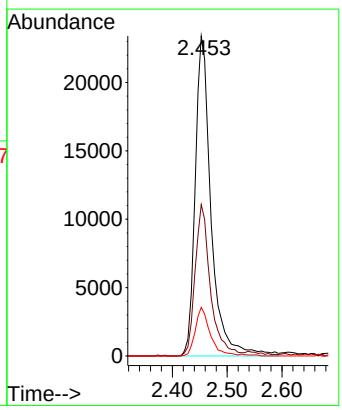


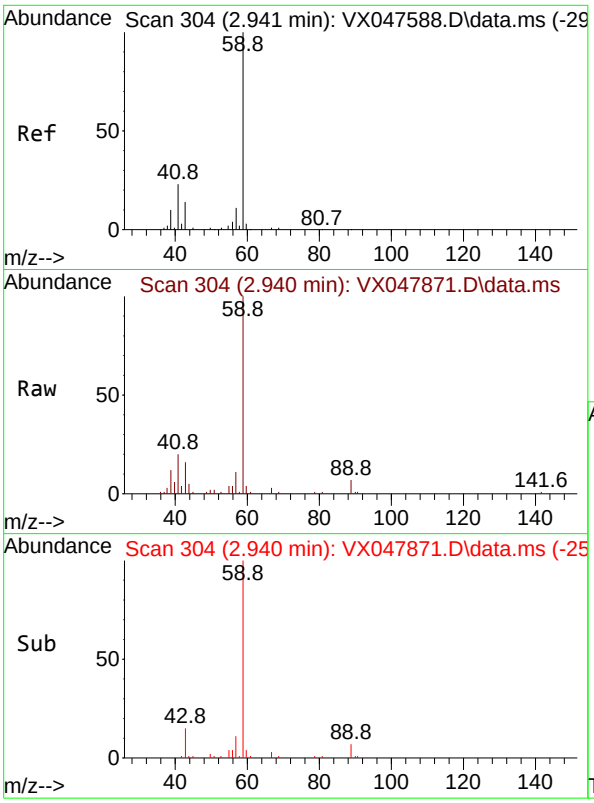


#10
Methyl Iodide
Concen: 15.815 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:142 Resp: 47303

Ion	Ratio	Lower	Upper
142	100		
127	45.5	37.2	55.8
141	14.1	11.4	17.0



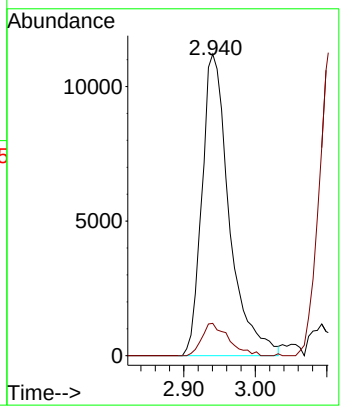


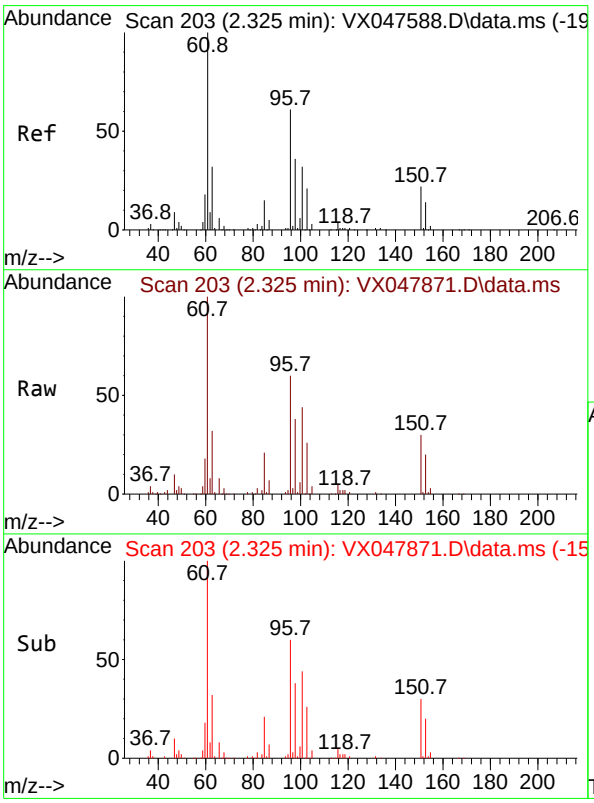
#11
Tert butyl alcohol
Concen: 101.202 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion: 59 Resp: 29747

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.3	12.5

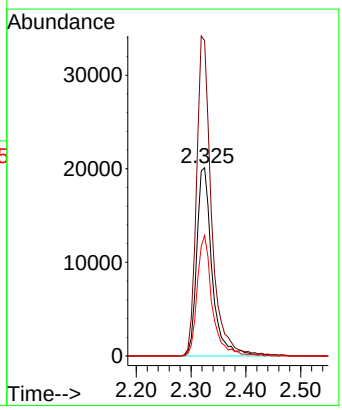


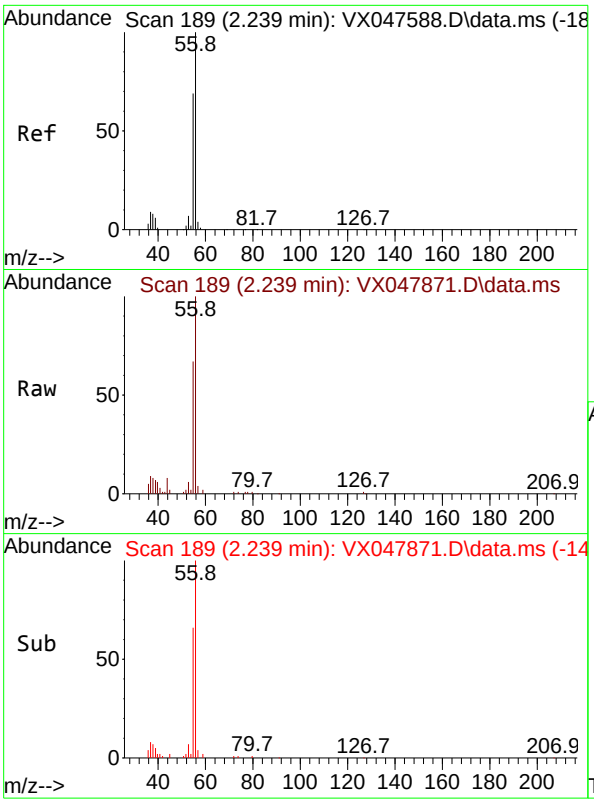


#12
1,1-Dichloroethene
Concen: 19.869 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 96 Resp: 39140

Ion	Ratio	Lower	Upper
96	100		
61	167.6	131.0	196.6
98	64.1	47.7	71.5



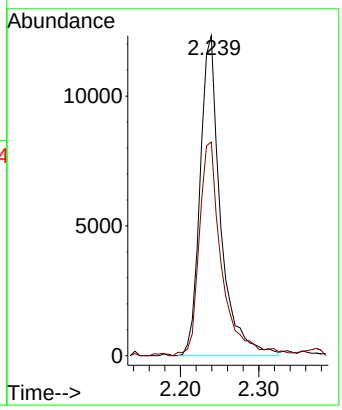


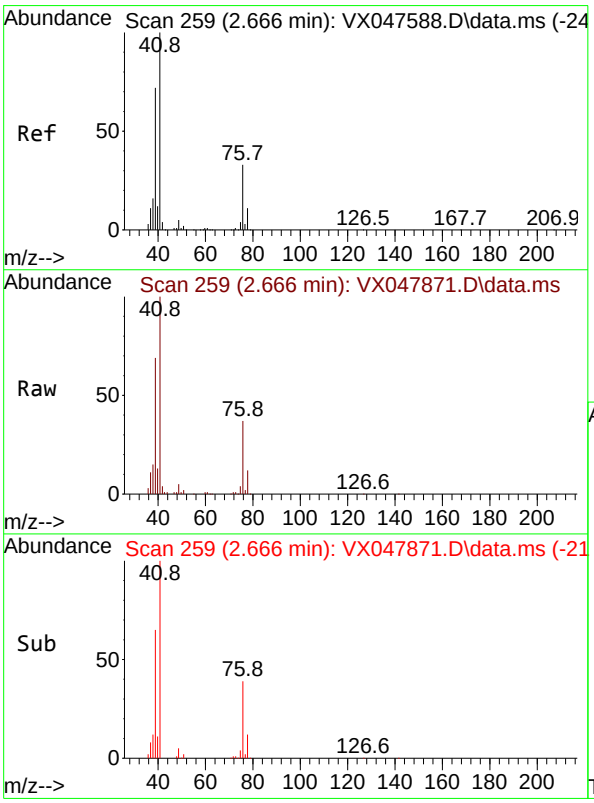
#13
Acrolein
Concen: 82.579 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion: 56 Resp: 22368

Ion	Ratio	Lower	Upper
56	100		
55	71.6	57.2	85.8

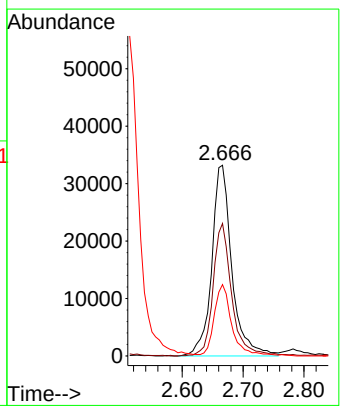


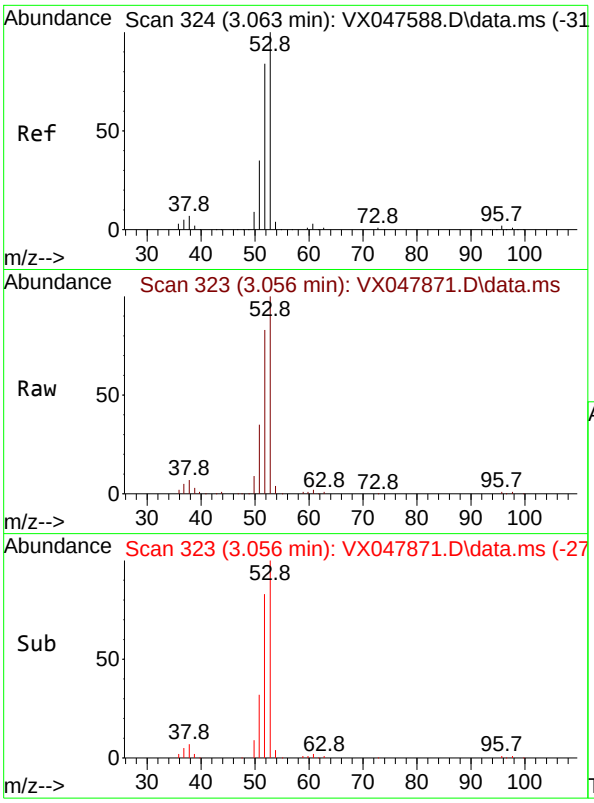


#14
Allyl chloride
Concen: 18.779 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 41 Resp: 76339

Ion	Ratio	Lower	Upper
41	100		
39	64.5	54.7	82.1
76	31.6	25.7	38.5



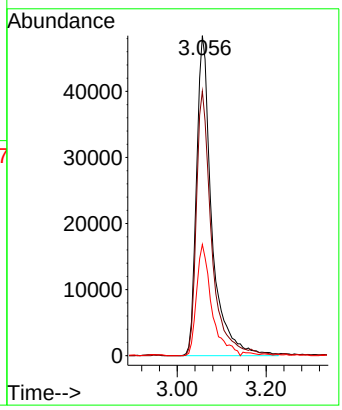


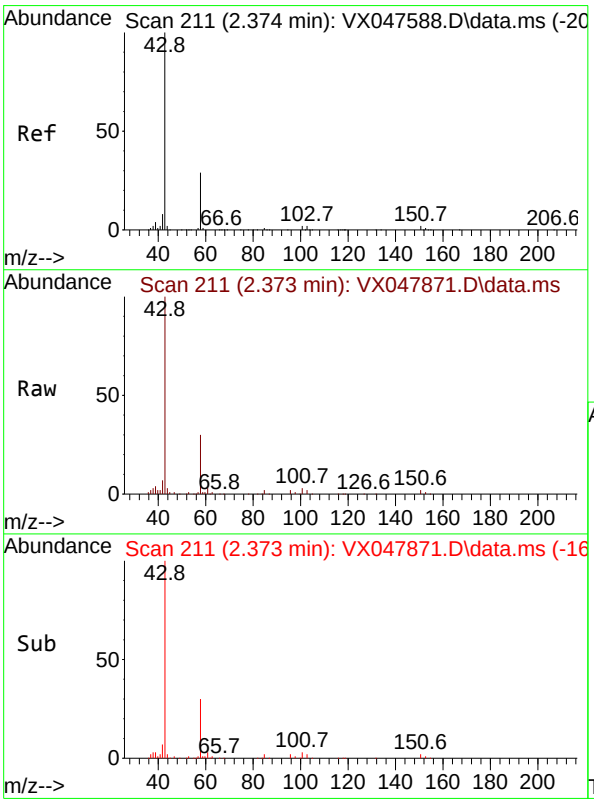
#15
Acrylonitrile
Concen: 106.747 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion: 53 Resp: 116222

Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.4	99.6
51	34.4	29.5	44.3

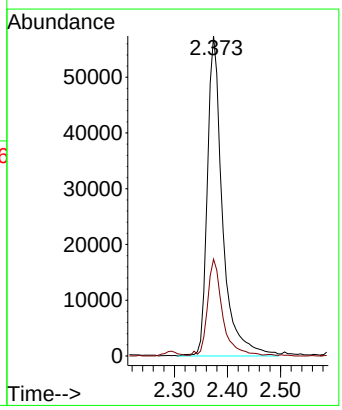


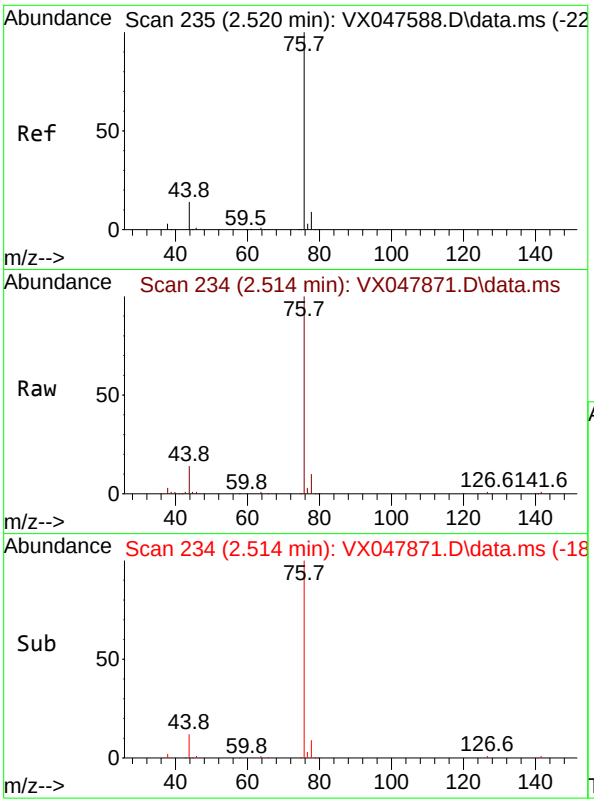


#16
Acetone
Concen: 99.433 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 43 Resp: 114103

Ion	Ratio	Lower	Upper
43	100		
58	31.2	23.4	35.0



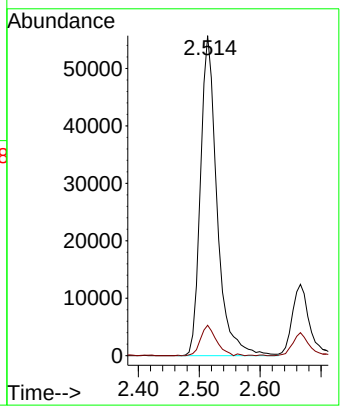


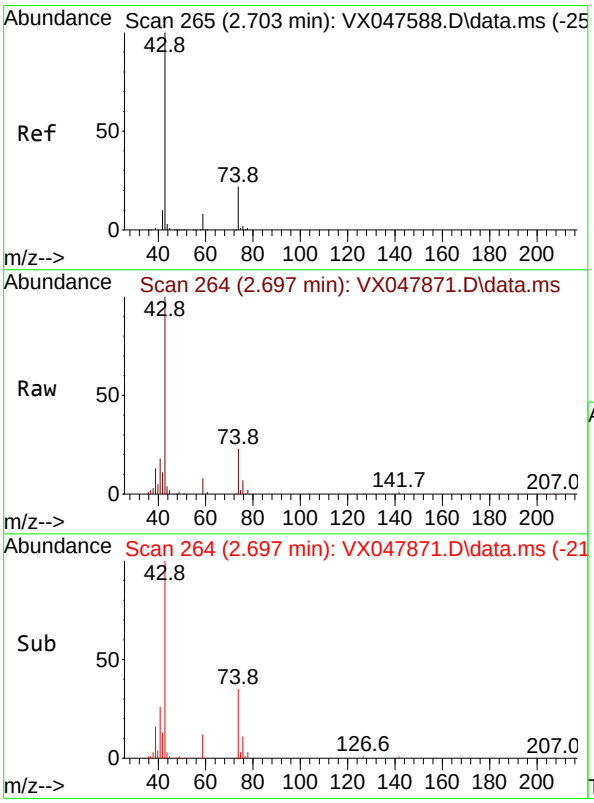
#17
Carbon Disulfide
Concen: 19.513 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion: 76 Resp: 105231

Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.8	10.2

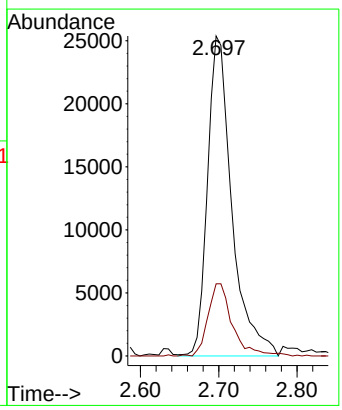


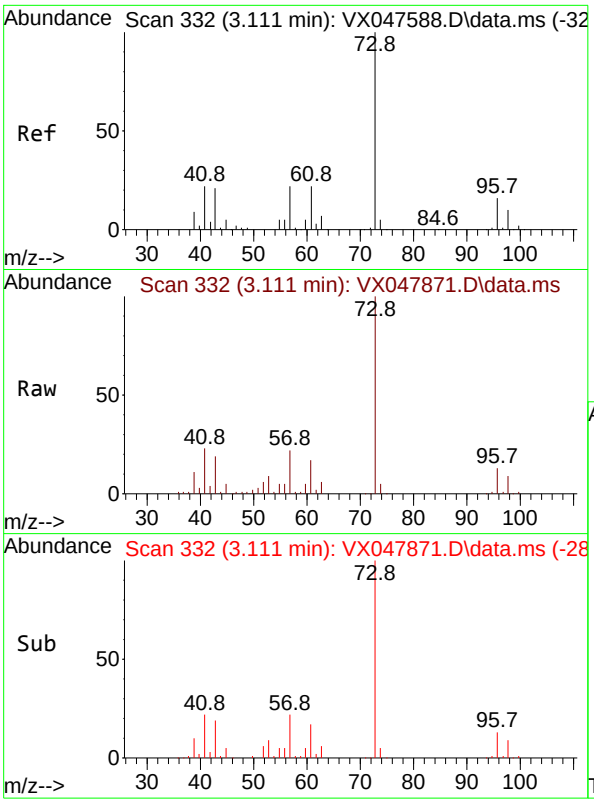


#18
Methyl Acetate
Concen: 21.368 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 43 Resp: 54570

Ion	Ratio	Lower	Upper
43	100		
74	22.8	17.4	26.2



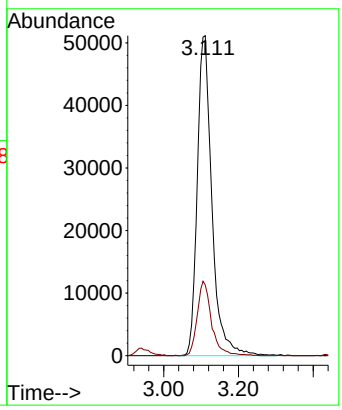


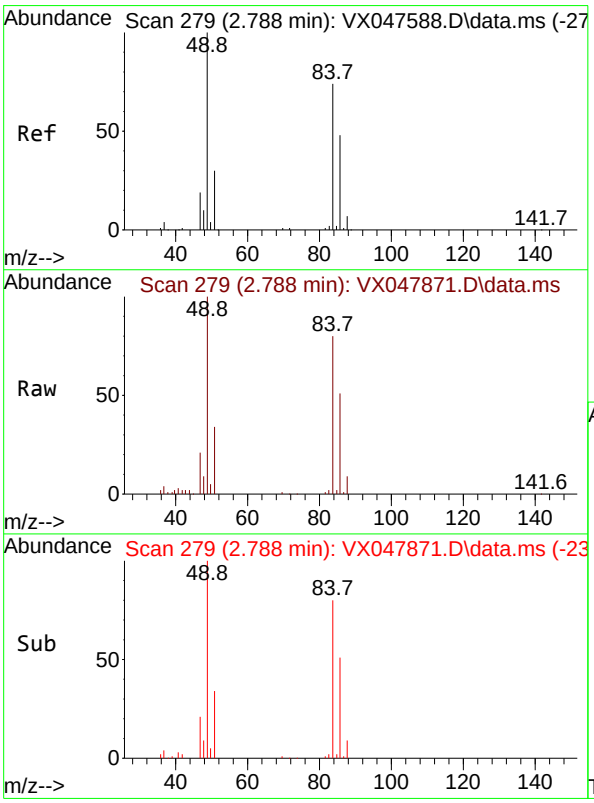
#19
Methyl tert-butyl Ether
Concen: 19.320 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion: 73 Resp: 138931

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.4	26.2

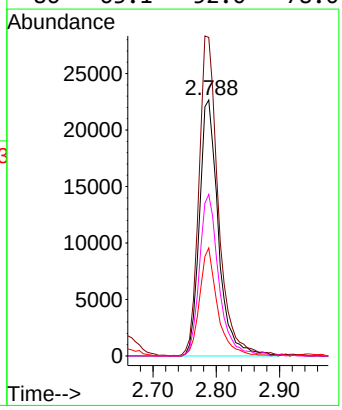


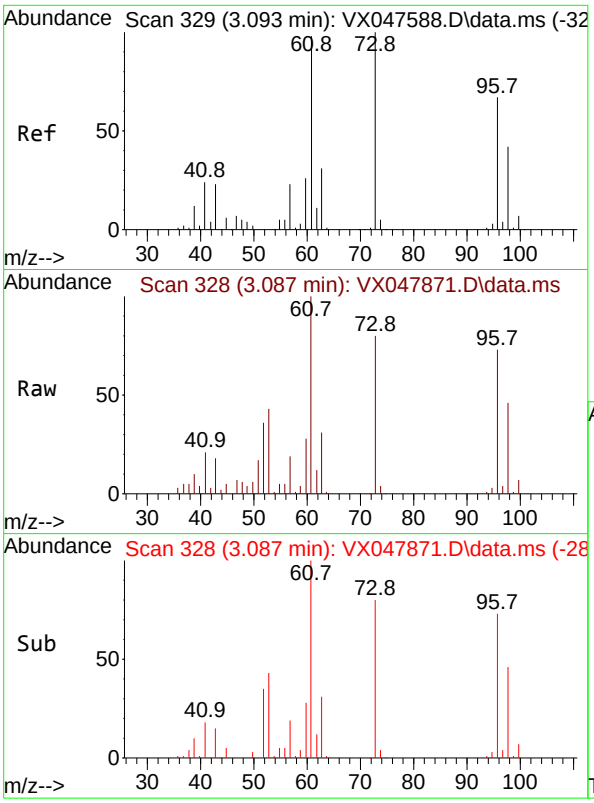


#20
Methylene Chloride
Concen: 19.475 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 84 Resp: 47306

Ion	Ratio	Lower	Upper
84	100		
49	124.5	108.6	162.8
51	42.2	32.6	48.8
86	63.1	52.0	78.0



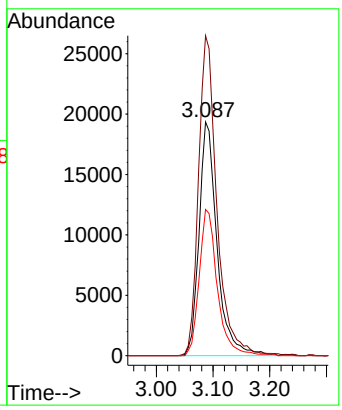


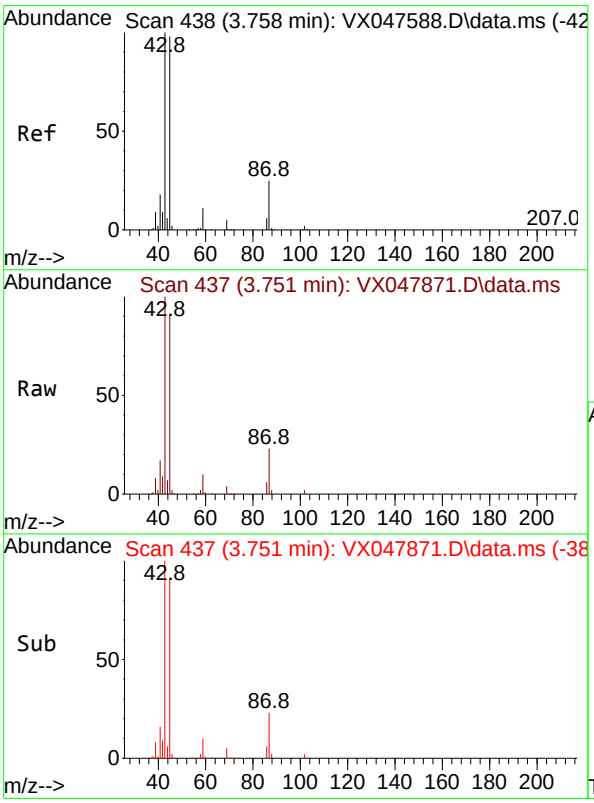
#21
trans-1,2-Dichloroethene
Concen: 20.144 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion: 96 Resp: 42722

Ion	Ratio	Lower	Upper
96	100		
61	136.9	116.2	174.2
98	62.6	49.3	73.9

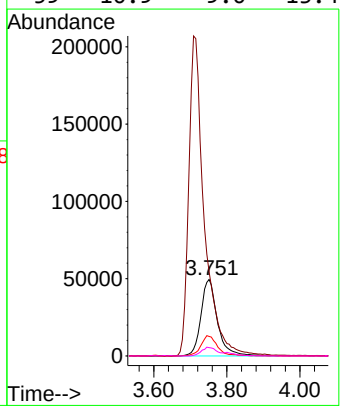


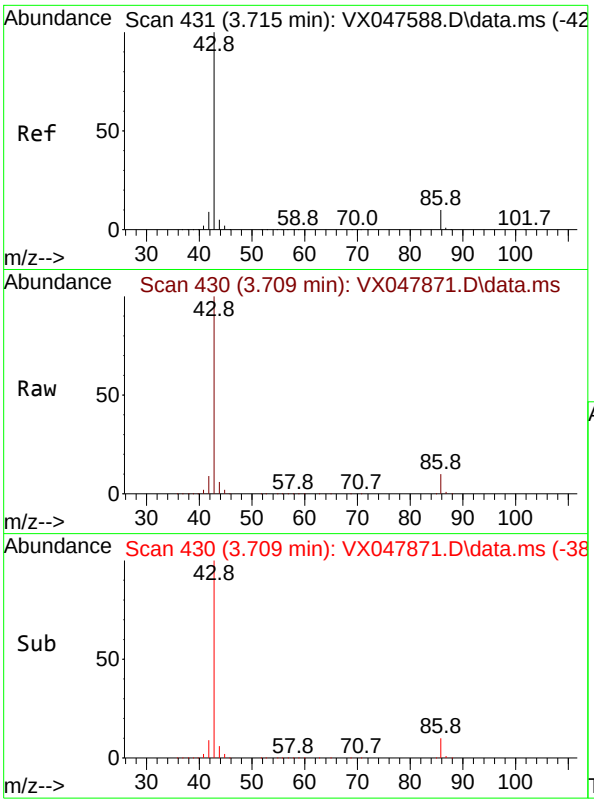


#22
Diisopropyl ether
Concen: 19.633 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 45 Resp: 154669

Ion	Ratio	Lower	Upper
45	100		
43	109.2	81.0	121.4
87	25.5	20.3	30.5
59	10.9	9.0	13.4



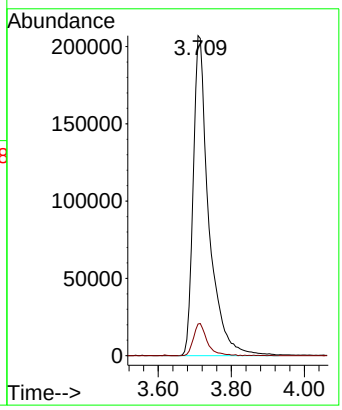


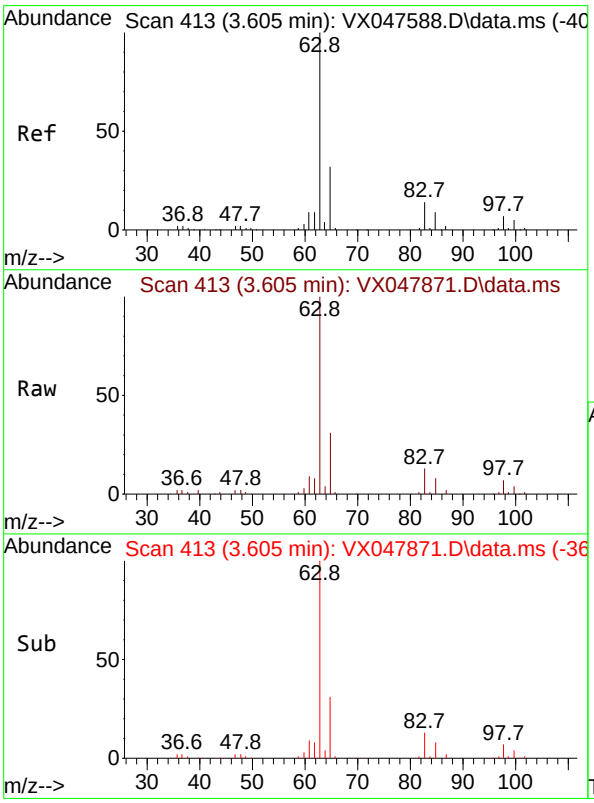
#23
Vinyl Acetate
Concen: 97.606 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion: 43 Resp: 615425

Ion	Ratio	Lower	Upper
43	100		
86	9.9	7.8	11.8

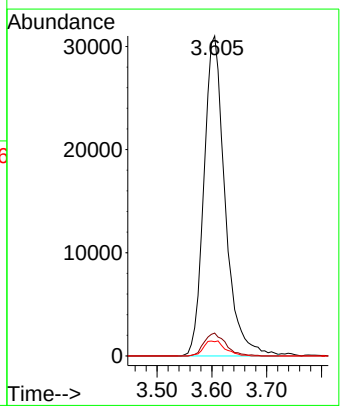


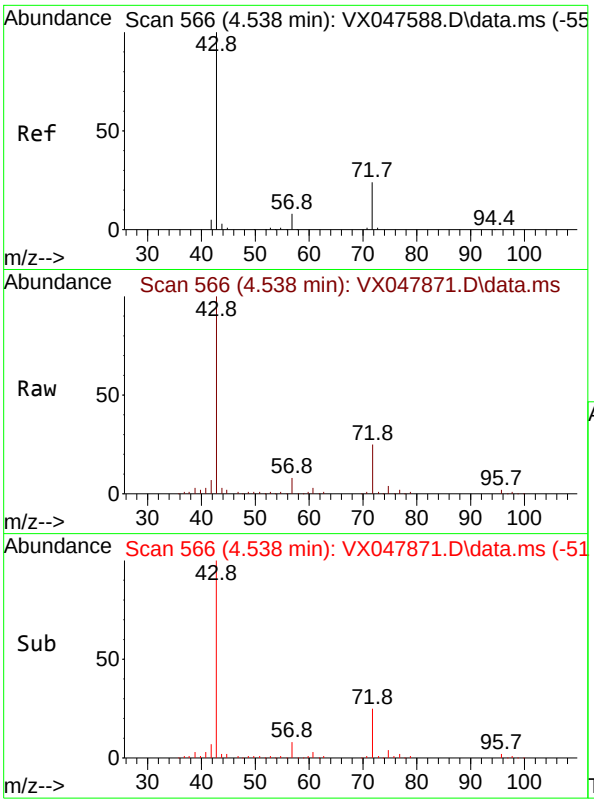


#24
1,1-Dichloroethane
Concen: 19.856 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 63 Resp: 83142

Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.8	11.2
100	4.5	2.3	6.9



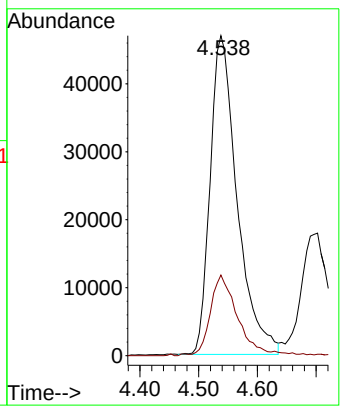


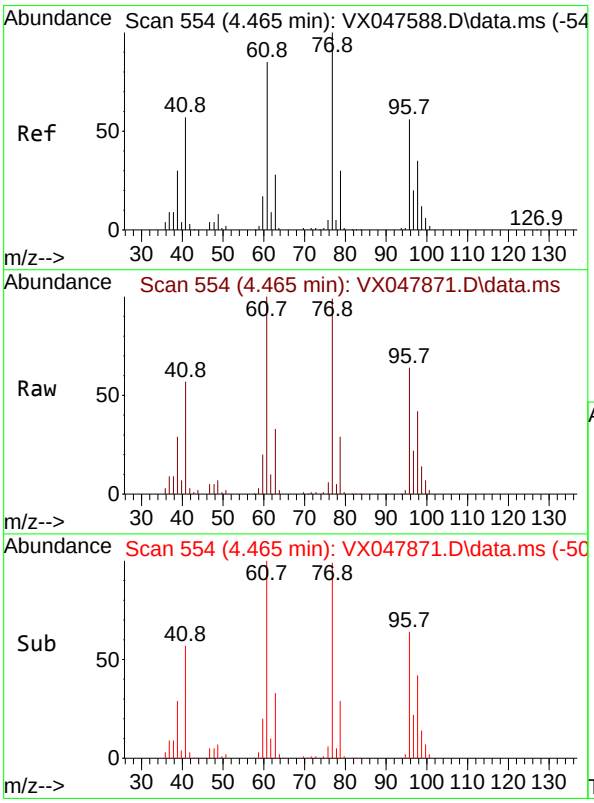
#25
2-Butanone
Concen: 104.478 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion: 43 Resp: 149550

Ion	Ratio	Lower	Upper
43	100		
72	25.3	20.1	30.1

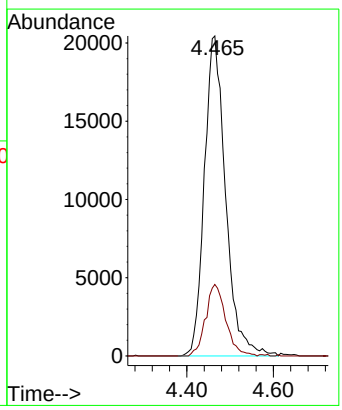


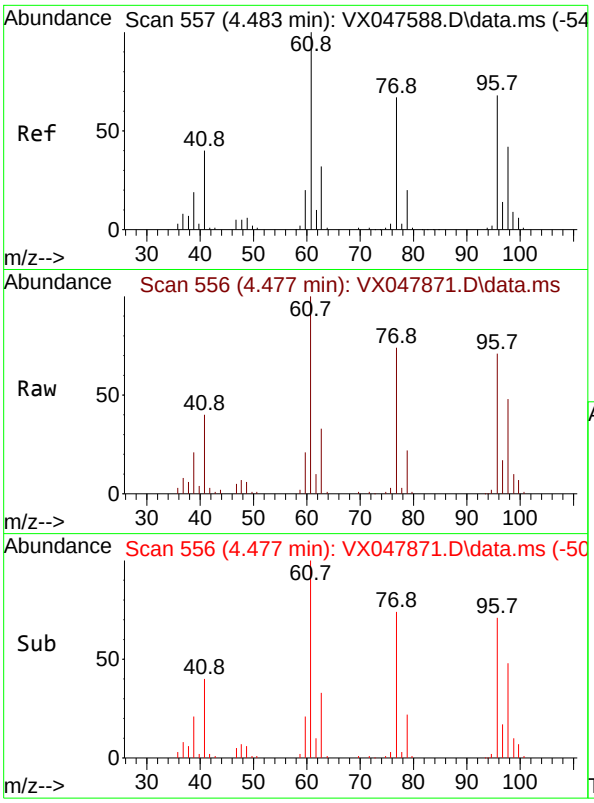


#26
2,2-Dichloropropane
Concen: 20.010 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 77 Resp: 69650

Ion	Ratio	Lower	Upper
77	100		
97	21.3	10.9	32.7



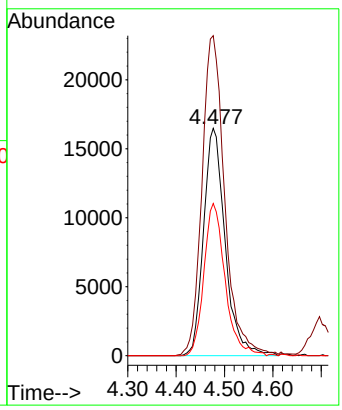


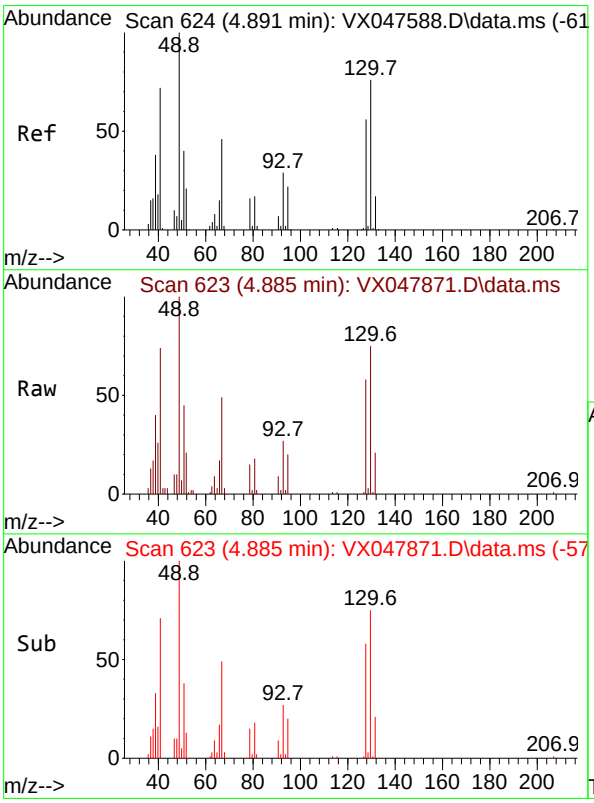
#27
cis-1,2-Dichloroethene
Concen: 19.693 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion: 96 Resp: 51151

Ion	Ratio	Lower	Upper
96	100		
61	148.4	0.0	303.2
98	65.6	0.0	127.8

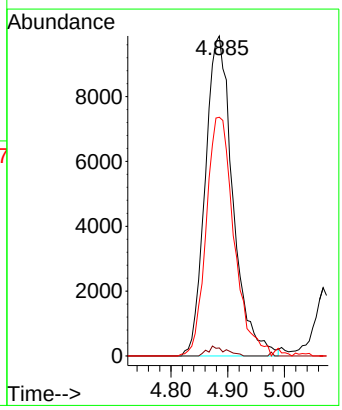


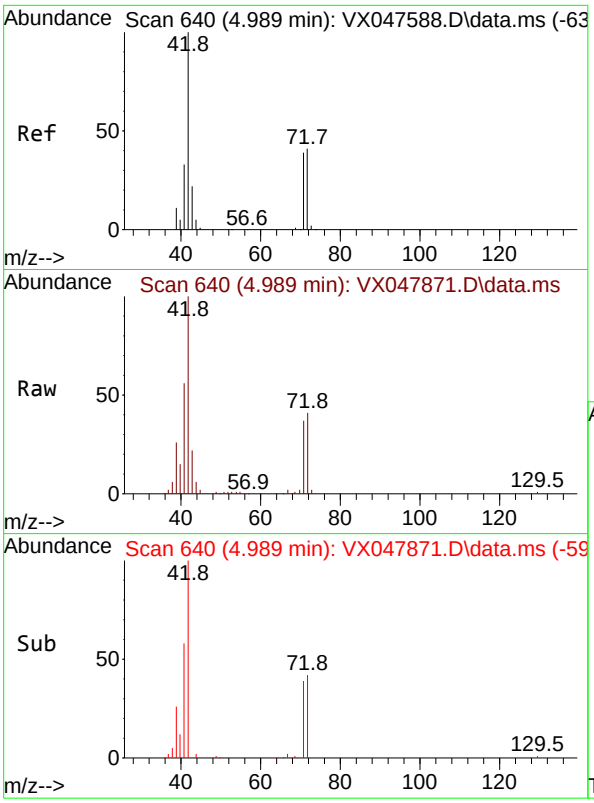


#28
Bromochloromethane
Concen: 18.253 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 49 Resp: 33367

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.2
130	75.0	57.8	86.8



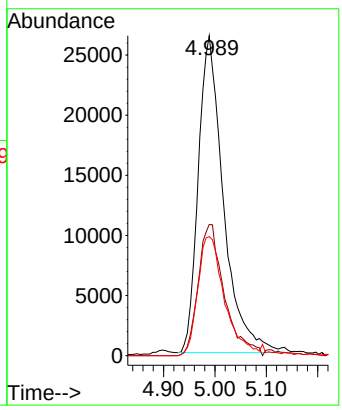


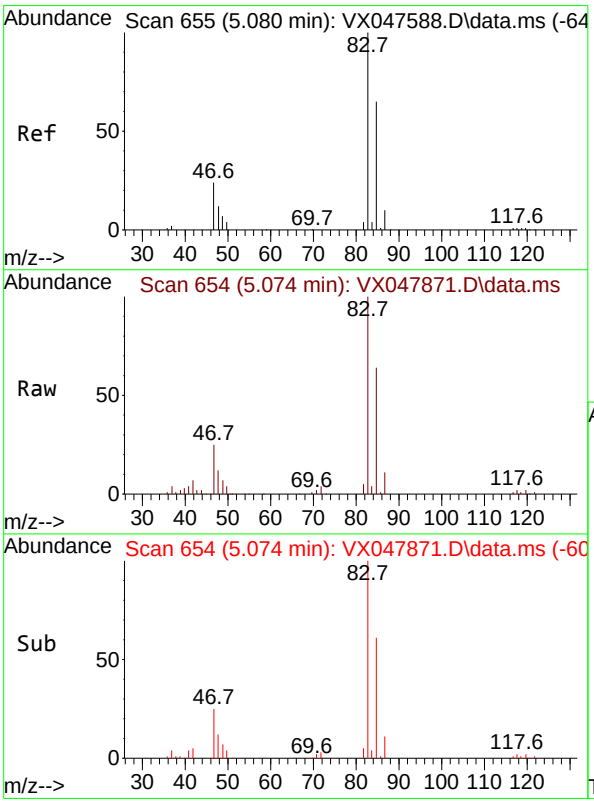
#29
Tetrahydrofuran
Concen: 104.148 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion: 42 Resp: 89682

Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.2	51.2
71	39.8	31.9	47.9

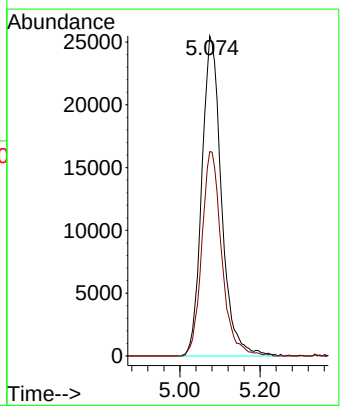


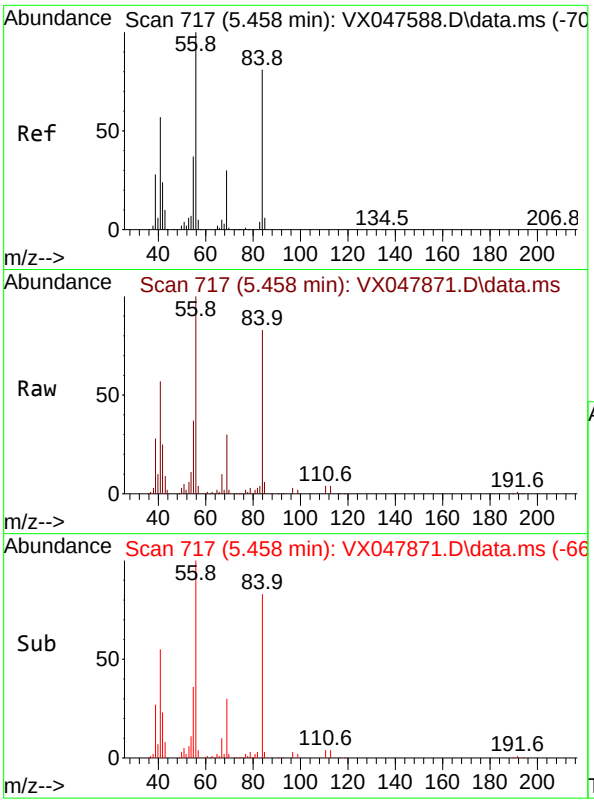


#30
Chloroform
Concen: 20.492 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 83 Resp: 86708

Ion	Ratio	Lower	Upper
83	100		
85	61.2	51.8	77.6



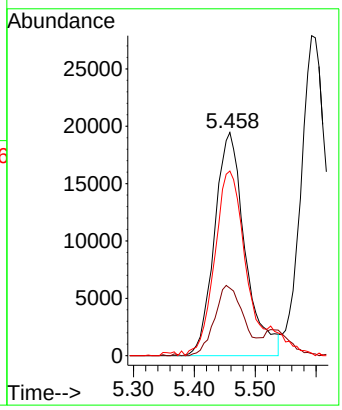


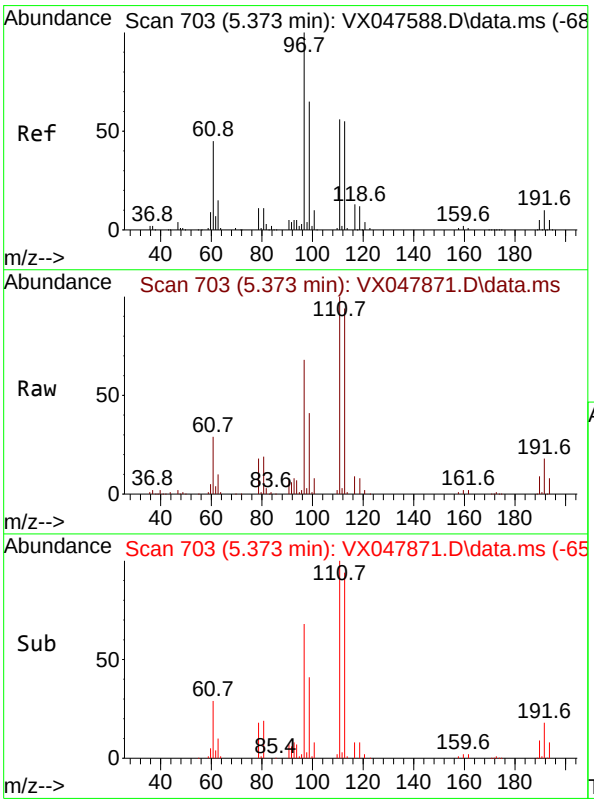
#31
Cyclohexane
Concen: 19.454 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion: 56 Resp: 67846

Ion	Ratio	Lower	Upper
56	100		
69	29.7	23.8	35.8
84	82.7	64.6	97.0

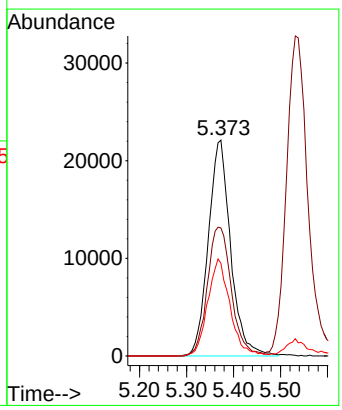


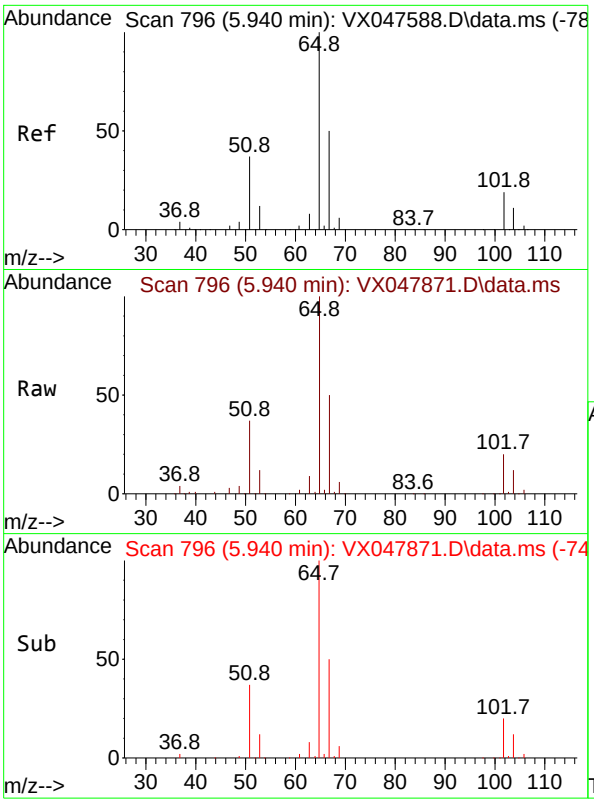


#32
1,1,1-Trichloroethane
Concen: 20.303 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 97 Resp: 72871

Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.6	76.0
61	44.9	35.8	53.8



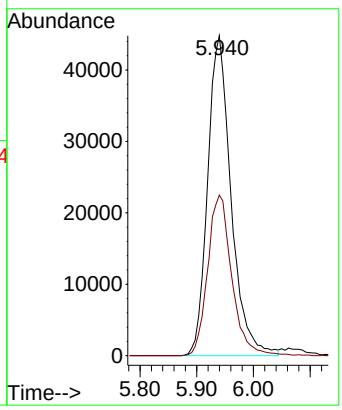


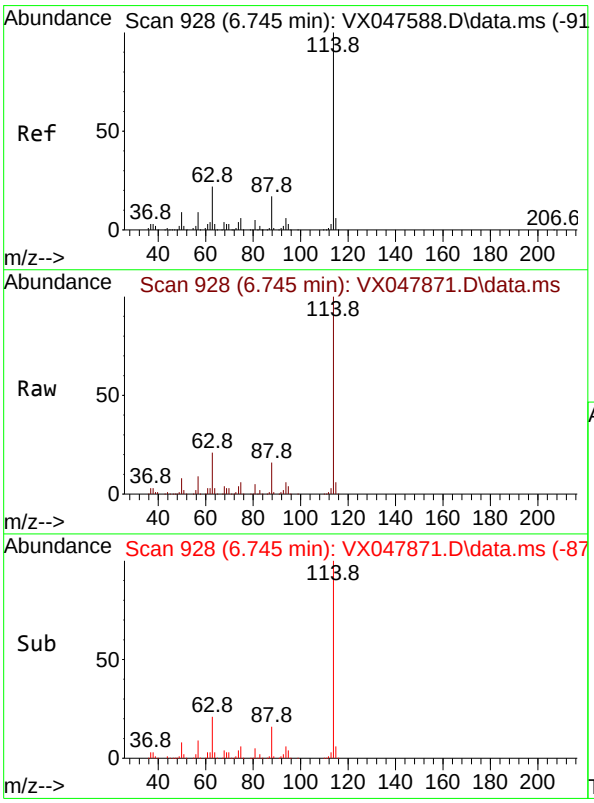
#33
1,2-Dichloroethane-d4
Concen: 48.786 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion: 65 Resp: 128757

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	103.0

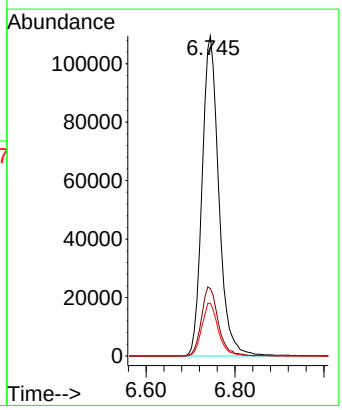


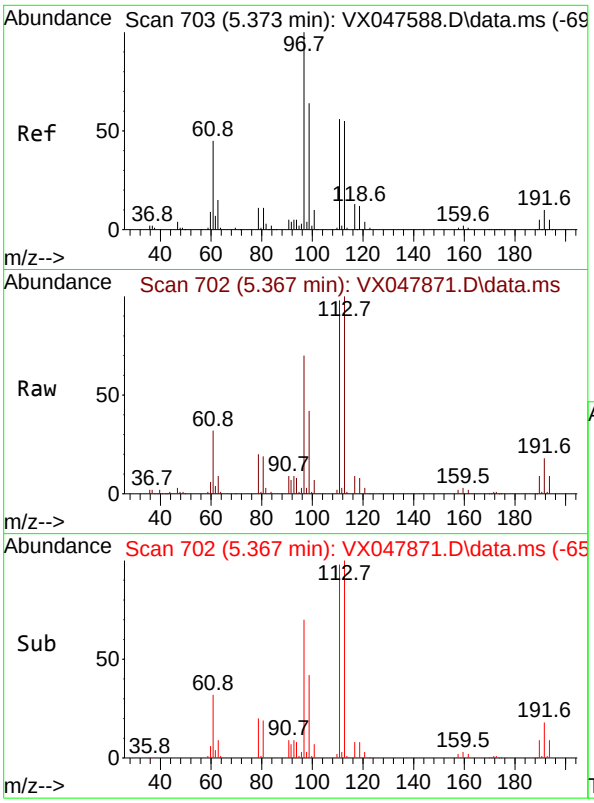


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:114 Resp: 286774

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	44.0
88	16.4	0.0	34.2



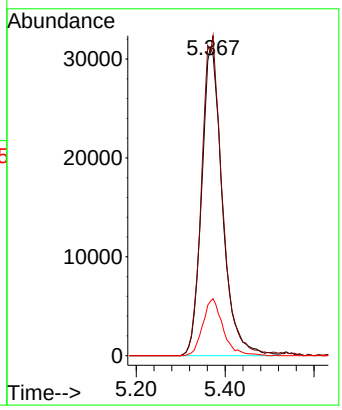


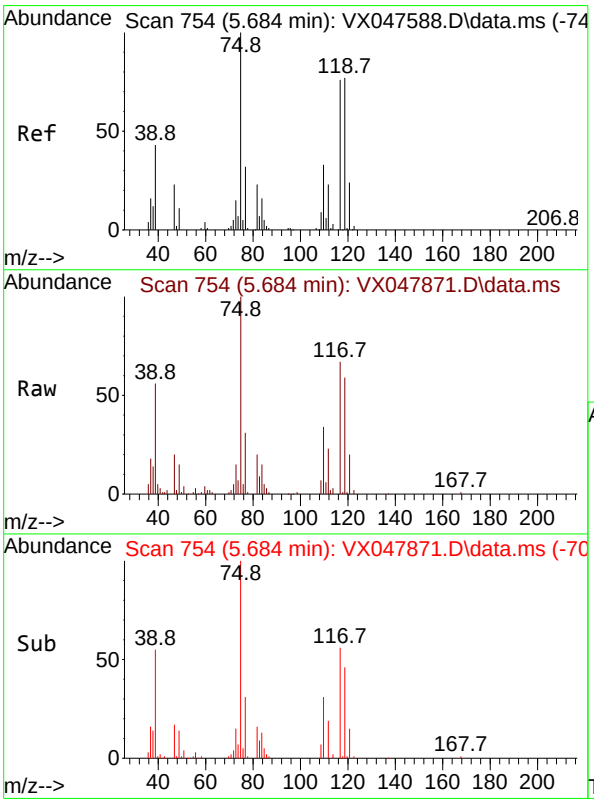
#35
Dibromofluoromethane
Concen: 52.854 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion:113 Resp: 101652

Ion	Ratio	Lower	Upper
113	100		
111	102.6	80.9	121.3
192	18.0	14.2	21.4

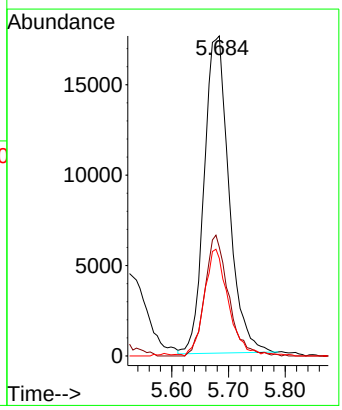


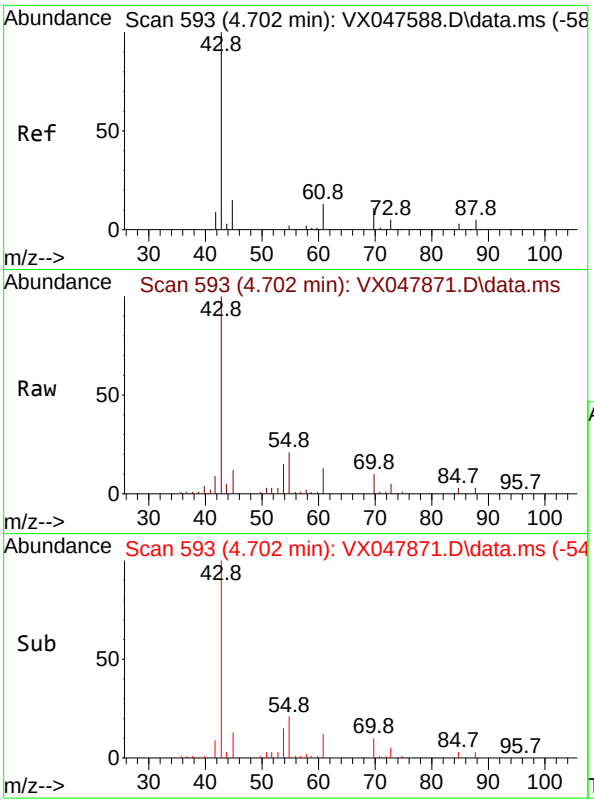


#36
1,1-Dichloropropene
Concen: 18.978 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 75 Resp: 53336

Ion	Ratio	Lower	Upper
75	100		
110	36.4	16.7	50.1
77	33.3	24.3	36.5



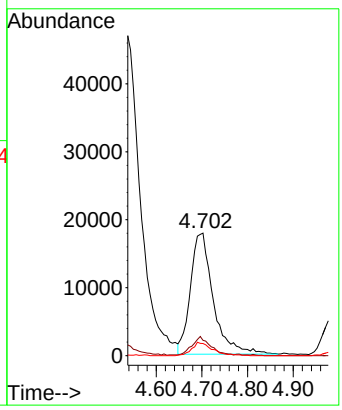


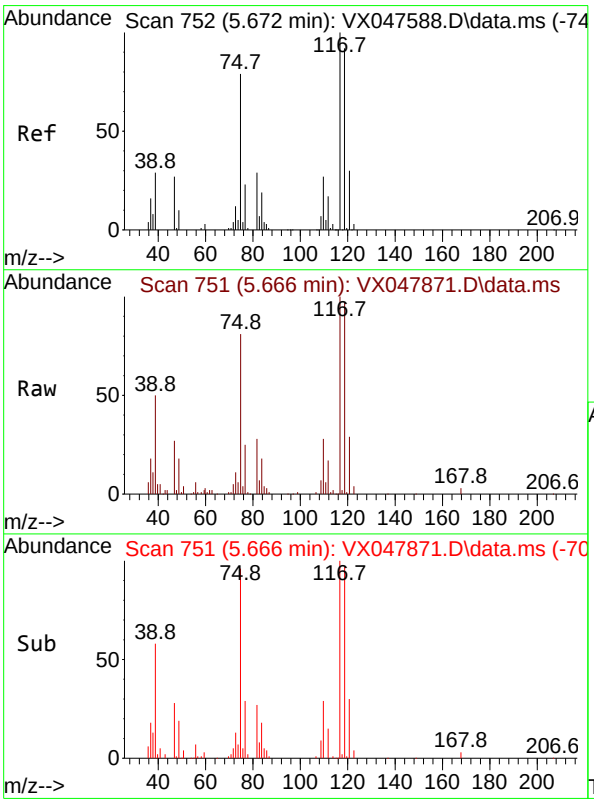
#37
Ethyl Acetate
Concen: 20.513 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion: 43 Resp: 61726

Ion	Ratio	Lower	Upper
43	100		
61	11.9	9.8	14.8
70	9.9	7.9	11.9

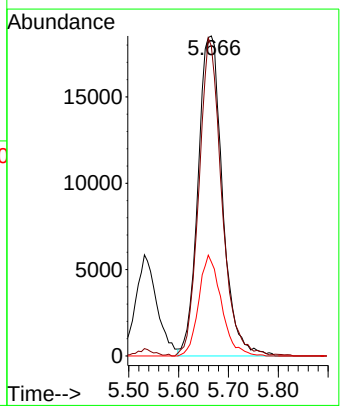


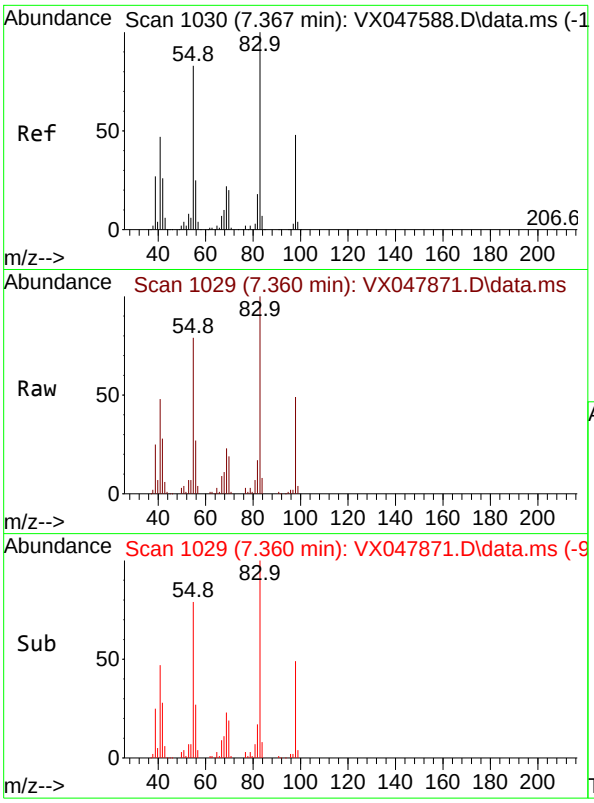


#38
Carbon Tetrachloride
Concen: 20.634 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:117 Resp: 63005

Ion	Ratio	Lower	Upper
117	100		
119	96.3	73.4	110.2
121	29.4	23.8	35.6



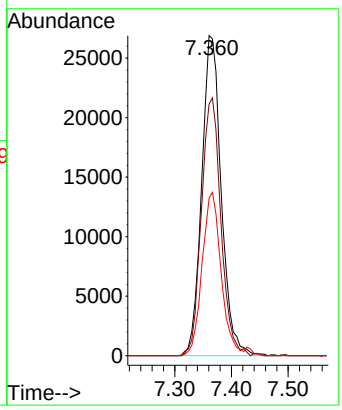


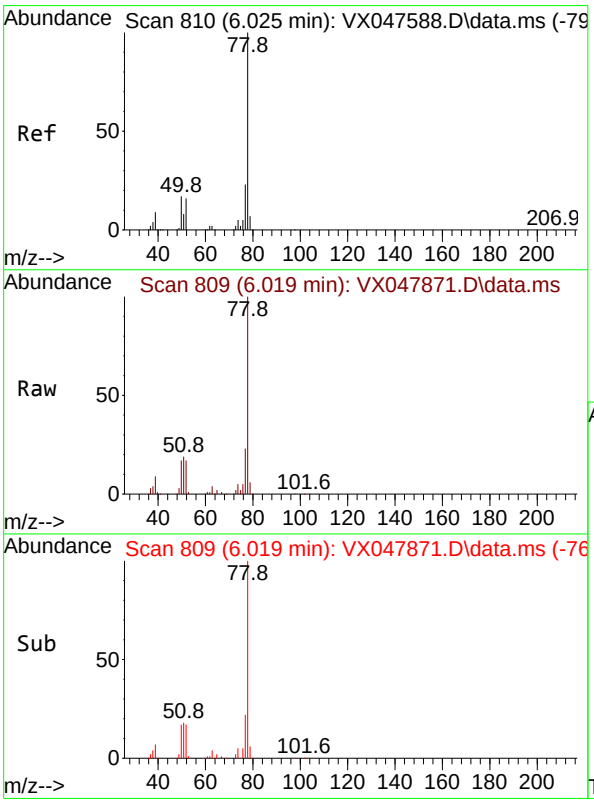
#39
Methylcyclohexane
Concen: 20.185 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion: 83 Resp: 64393

Ion	Ratio	Lower	Upper
83	100		
55	78.7	66.4	99.6
98	49.3	38.1	57.1

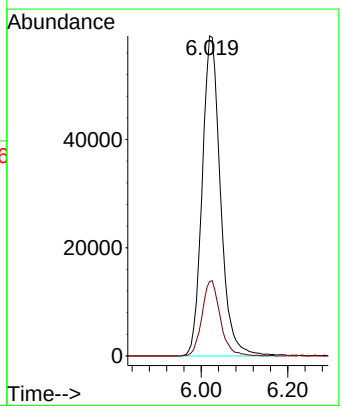


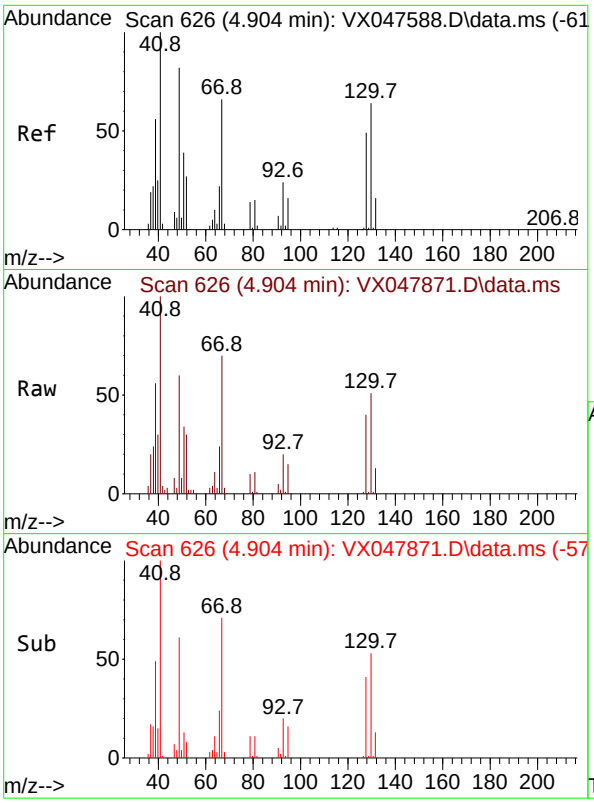


#40
Benzene
Concen: 20.356 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 78 Resp: 173753

Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2



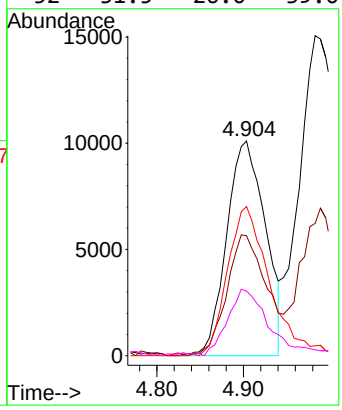


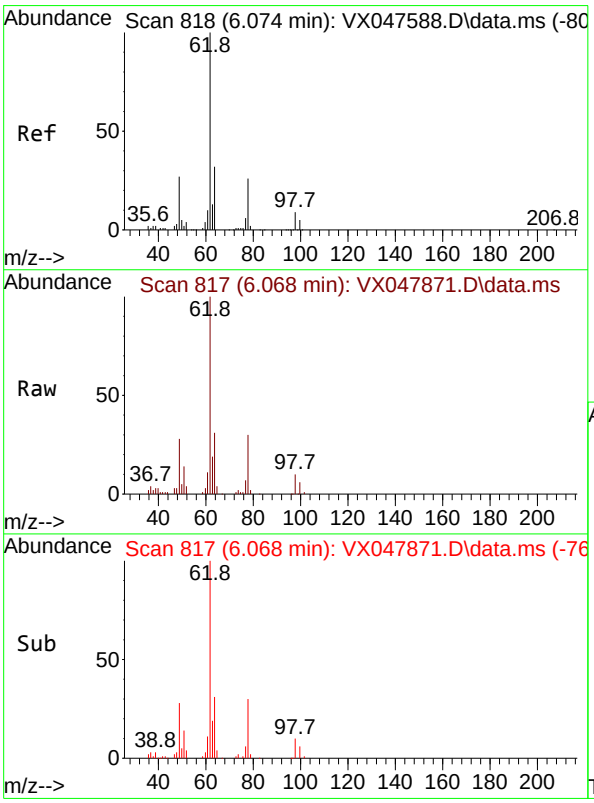
#41
Methacrylonitrile
Concen: 20.220 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion: 41 Resp: 31411

Ion	Ratio	Lower	Upper
41	100		
39	57.6	43.3	64.9
67	75.5	58.6	87.8
52	31.5	26.0	39.0

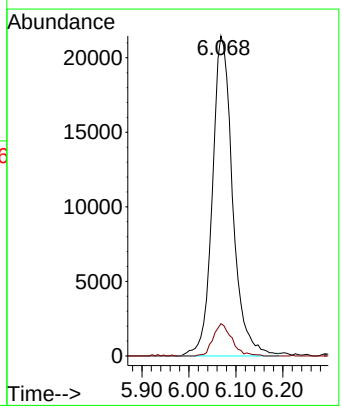


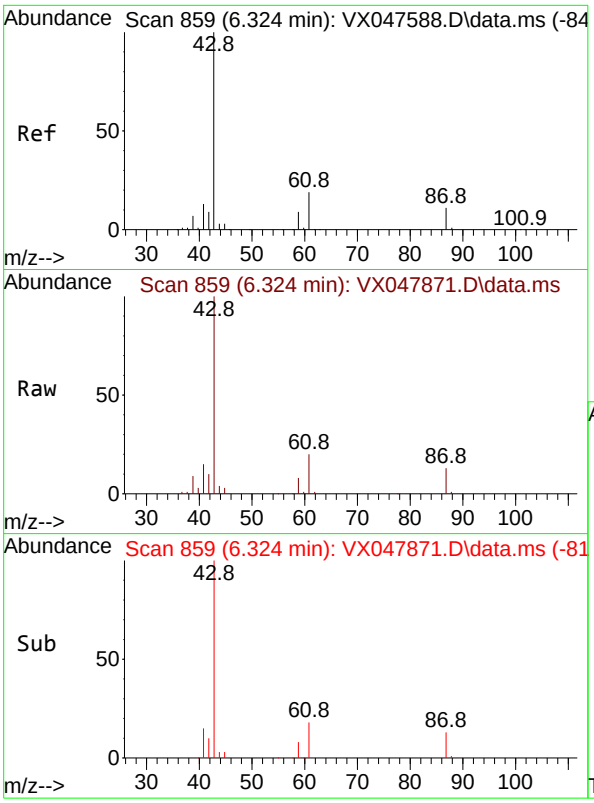


#42
1,2-Dichloroethane
Concen: 19.846 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 62 Resp: 64455

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	17.0



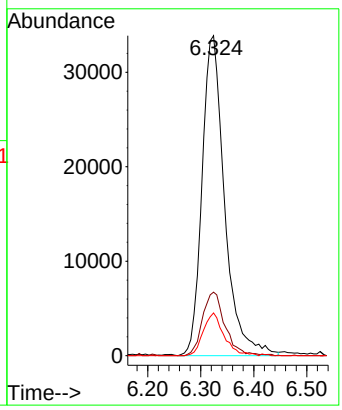


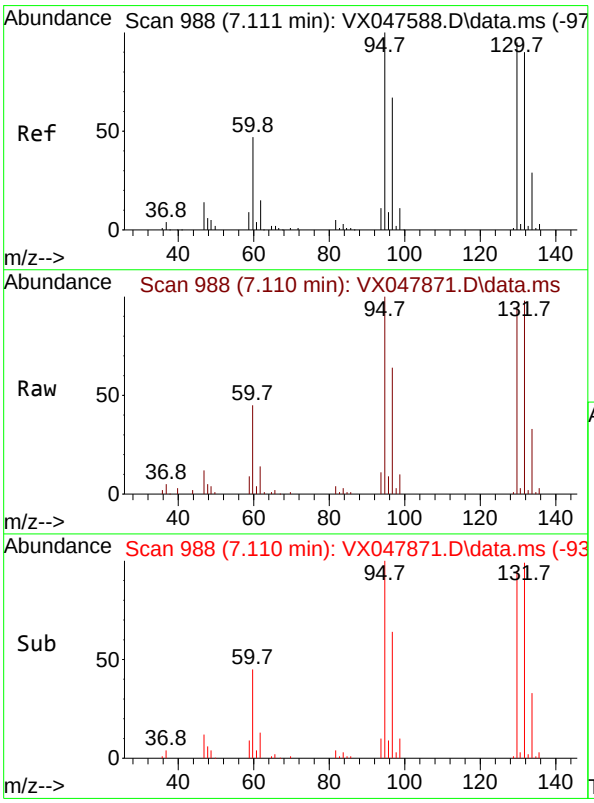
#43
Isopropyl Acetate
Concen: 20.301 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion: 43 Resp: 100186

Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.2	22.8
87	12.2	9.6	14.4

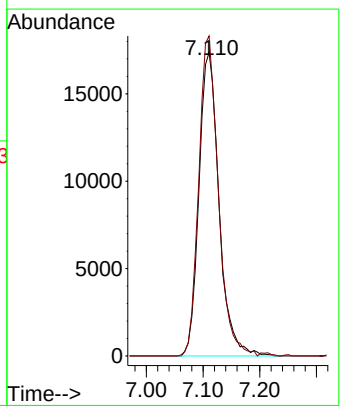


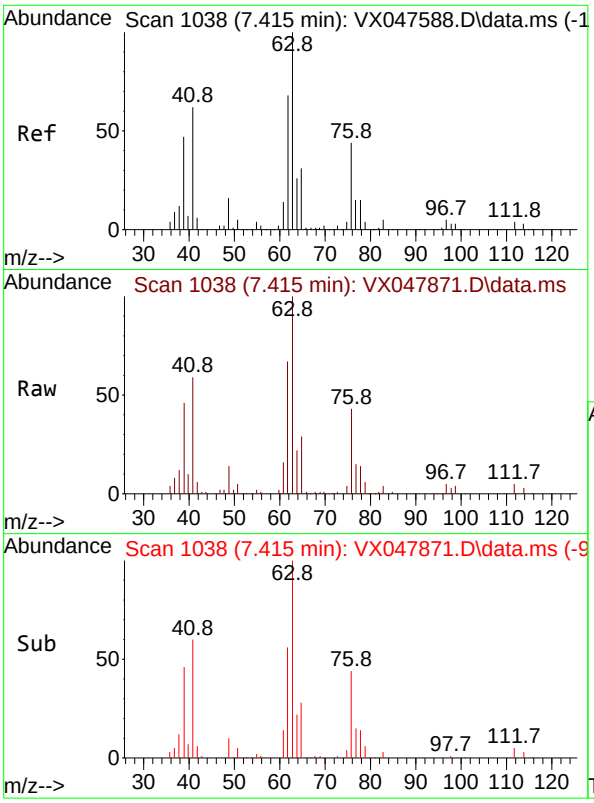


#44
Trichloroethene
Concen: 20.580 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:130 Resp: 42469

Ion	Ratio	Lower	Upper
130	100		
95	105.4	0.0	210.8



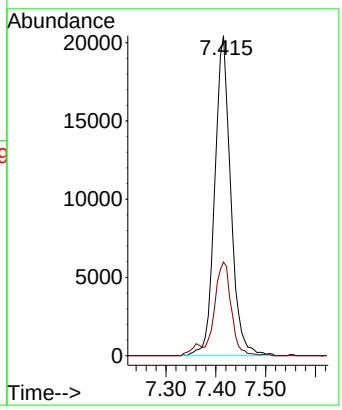


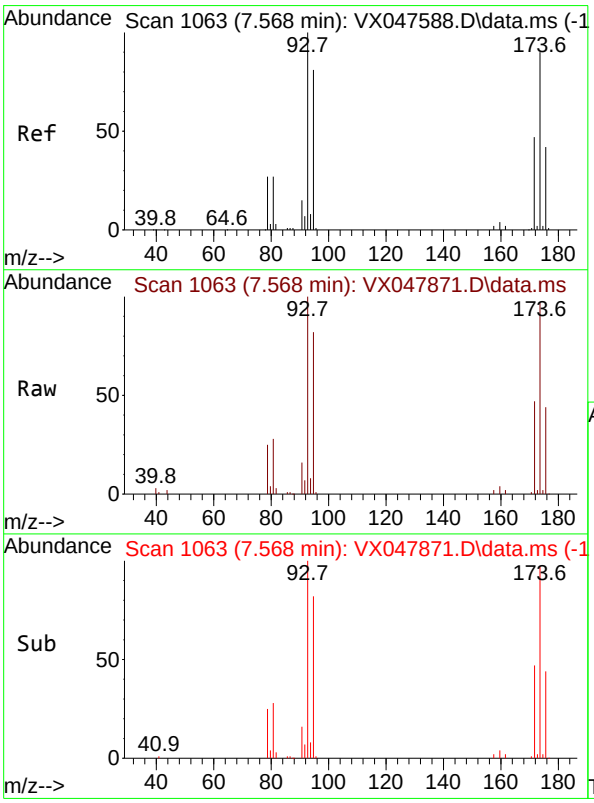
#45
1,2-Dichloropropane
Concen: 20.828 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion: 63 Resp: 45524

Ion	Ratio	Lower	Upper
63	100		
65	29.2	24.7	37.1

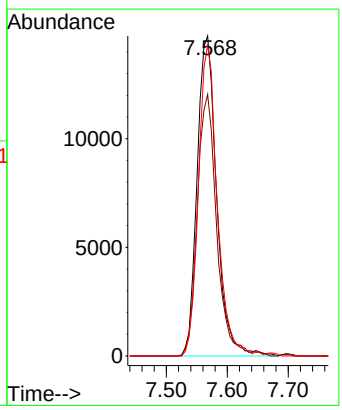


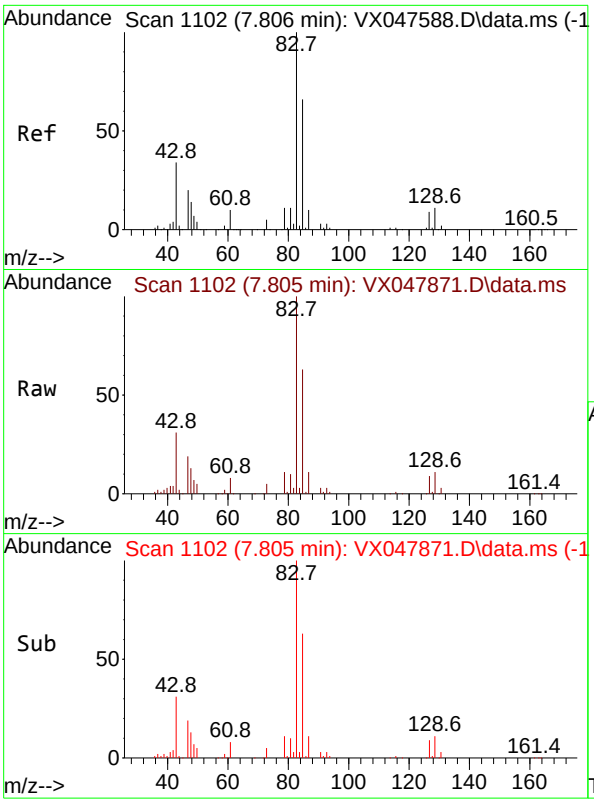


#46
Dibromomethane
Concen: 20.623 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 93 Resp: 32802

Ion	Ratio	Lower	Upper
93	100		
95	80.8	65.0	97.6
174	93.7	71.6	107.4



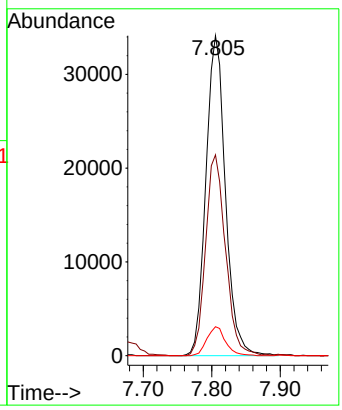


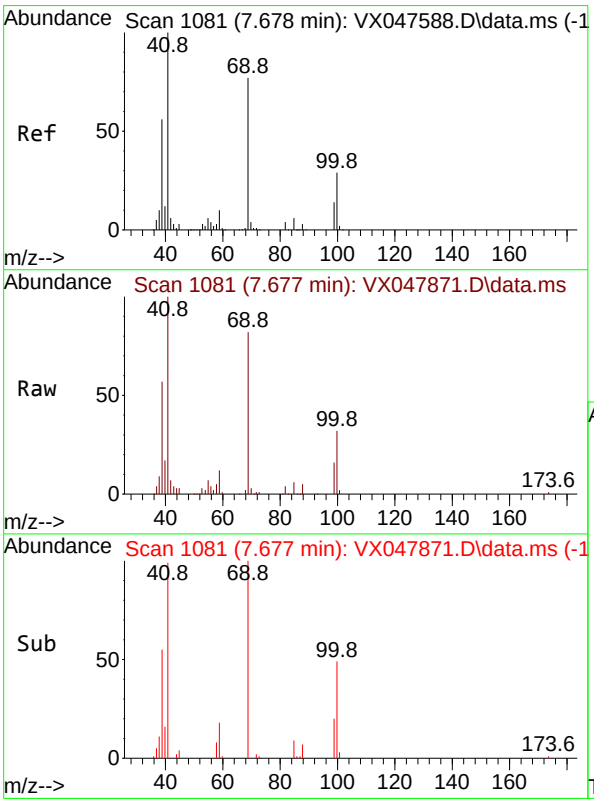
#47
Bromodichloromethane
Concen: 20.587 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion: 83 Resp: 67569

Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.5	78.7
127	9.0	6.9	10.3

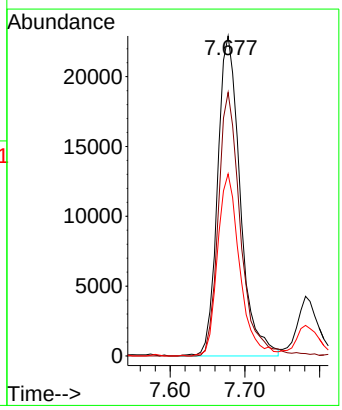


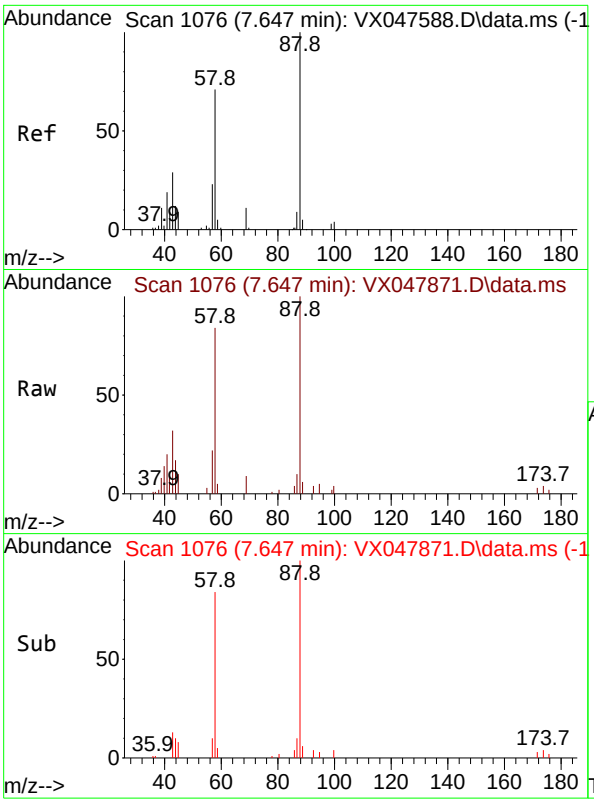


#48
Methyl methacrylate
Concen: 19.567 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 41 Resp: 48101

Ion	Ratio	Lower	Upper
41	100		
69	81.2	61.4	92.2
39	55.9	45.8	68.6



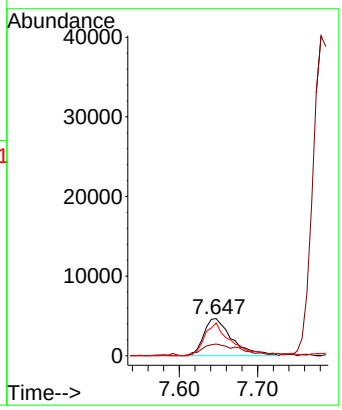


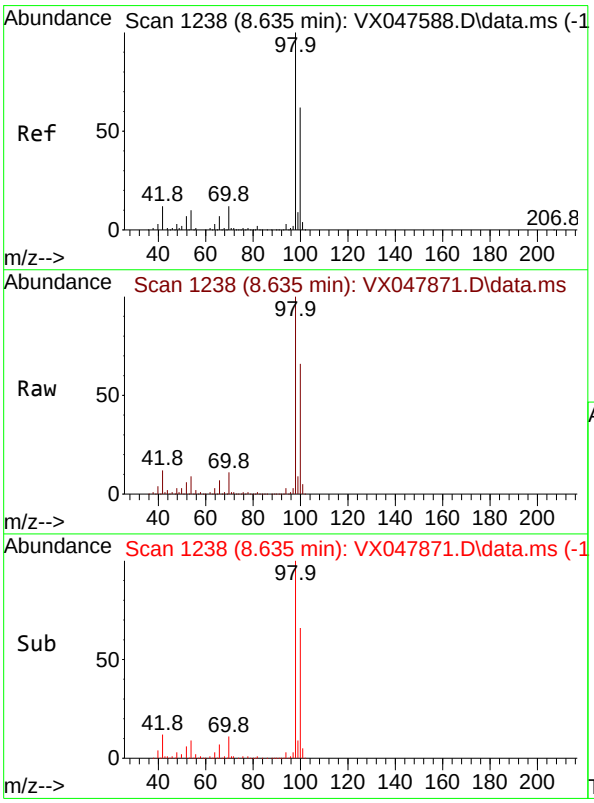
#49
1,4-Dioxane
Concen: 470.960 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion: 88 Resp: 11700

Ion	Ratio	Lower	Upper
88	100		
43	43.3	30.2	45.2
58	80.7	59.5	89.3

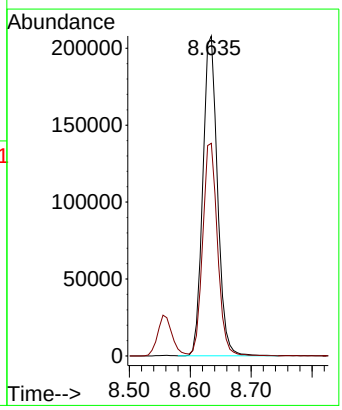


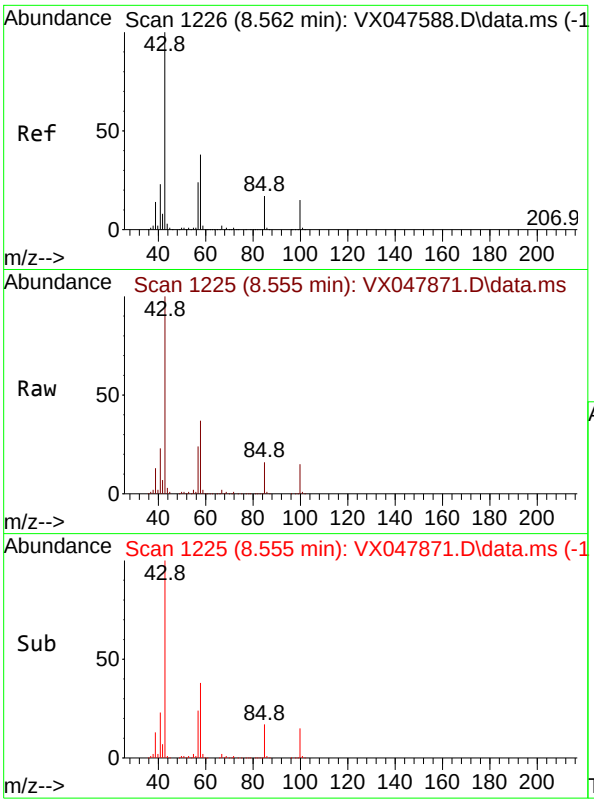


#50
Toluene-d8
Concen: 52.333 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 98 Resp: 348270

Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.0	79.4



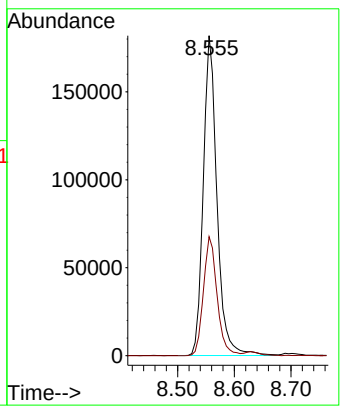


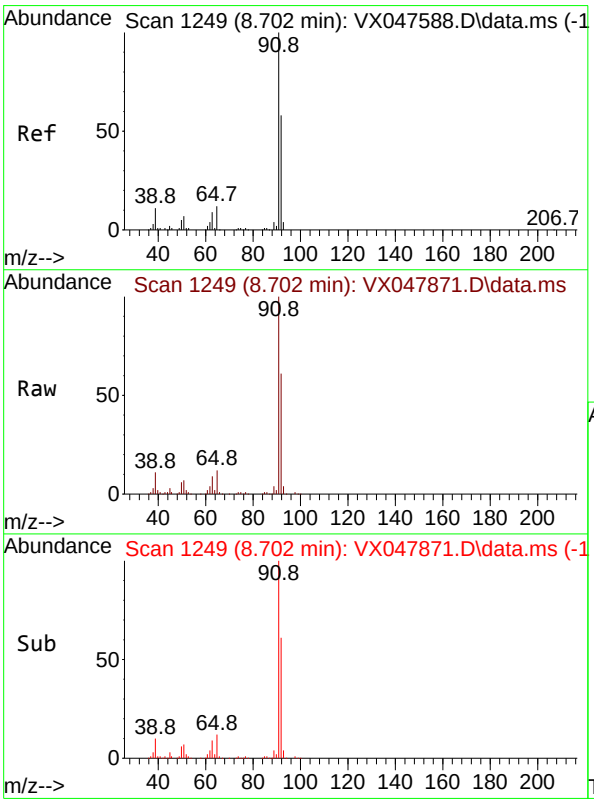
#51
4-Methyl-2-Pentanone
Concen: 111.388 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion: 43 Resp: 304782

Ion	Ratio	Lower	Upper
43	100		
58	37.2	30.3	45.5

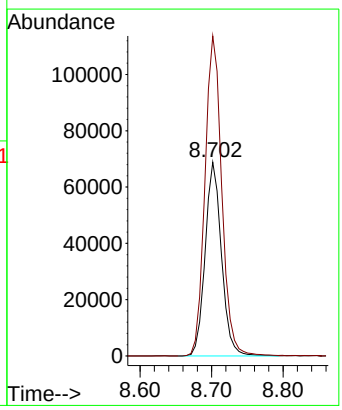


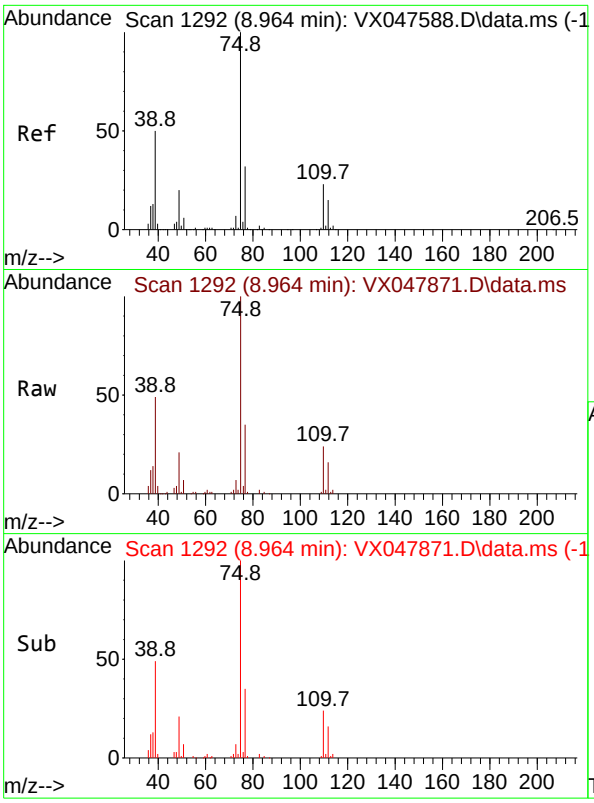


#52
Toluene
Concen: 20.758 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 92 Resp: 109163

Ion	Ratio	Lower	Upper
92	100		
91	170.5	137.1	205.7



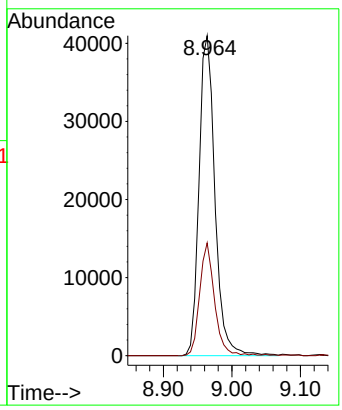


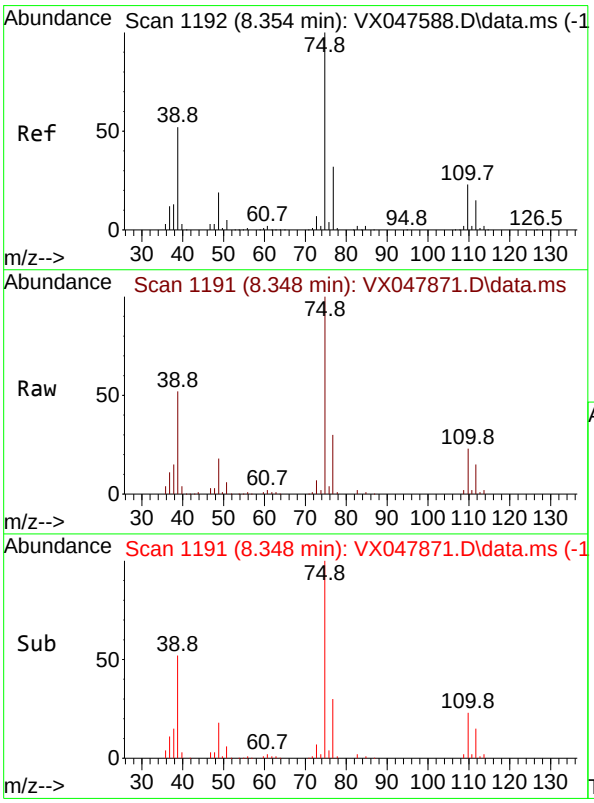
#53
t-1,3-Dichloropropene
Concen: 19.785 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion: 75 Resp: 66237

Ion	Ratio	Lower	Upper
75	100		
77	35.2	25.4	38.2

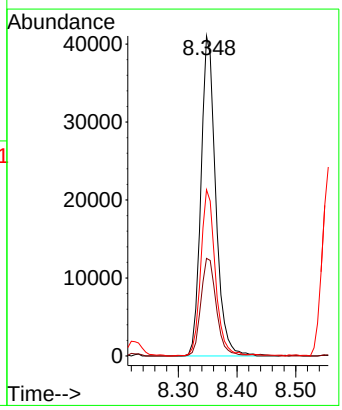


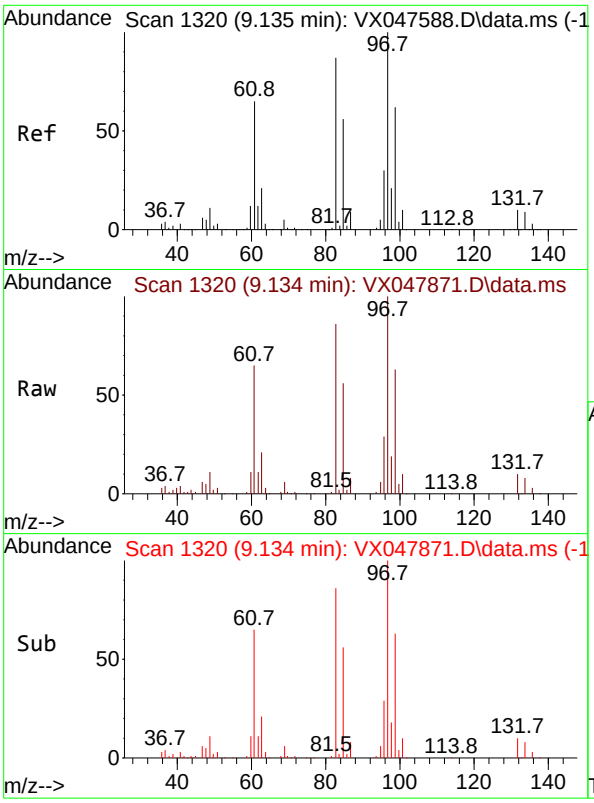


#54
cis-1,3-Dichloropropene
Concen: 20.026 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 75 Resp: 71660

Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.8	38.6
39	51.8	41.4	62.2



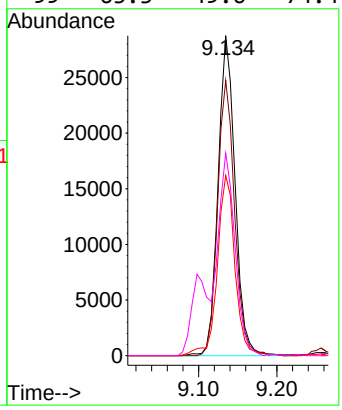


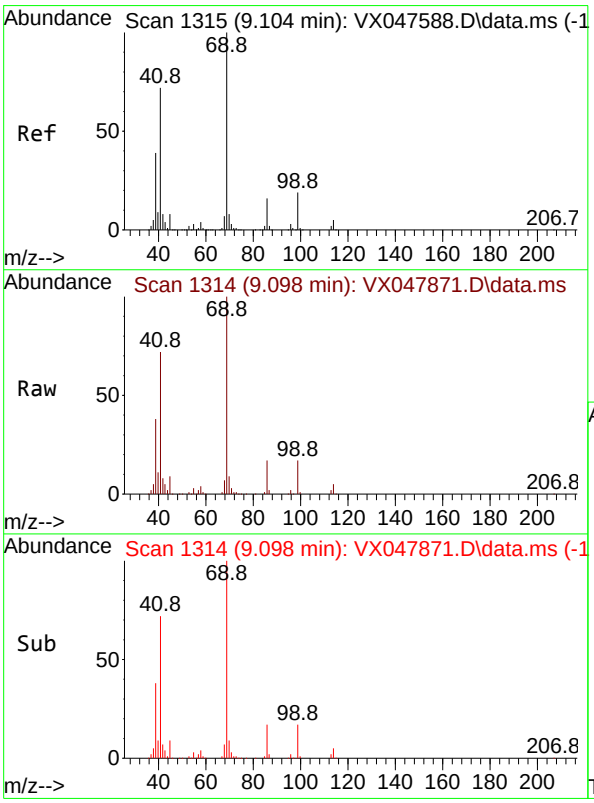
#55
1,1,2-Trichloroethane
Concen: 21.440 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion: 97 Resp: 43475

Ion	Ratio	Lower	Upper
97	100		
83	87.6	69.6	104.4
85	56.3	45.0	67.6
99	63.3	49.6	74.4

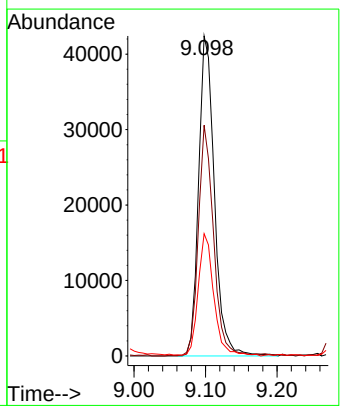


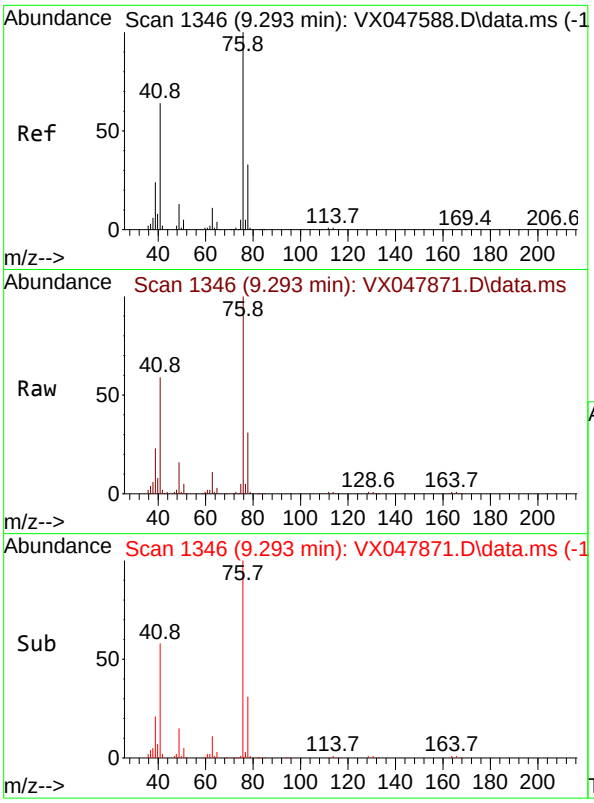


#56
Ethyl methacrylate
Concen: 20.399 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 69 Resp: 64963

Ion	Ratio	Lower	Upper
69	100		
41	69.6	58.6	87.8
39	38.0	31.5	47.3



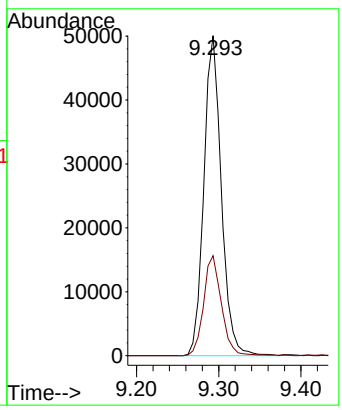


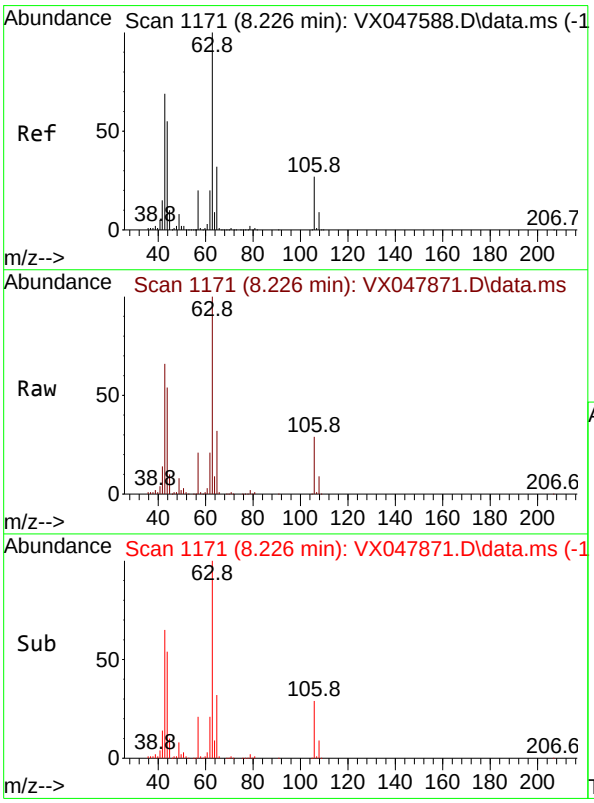
#57
1,3-Dichloropropane
Concen: 21.214 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion: 76 Resp: 73896

Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.2	39.4

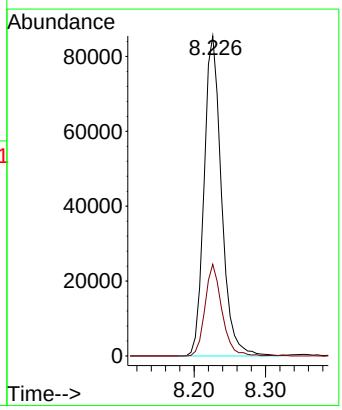


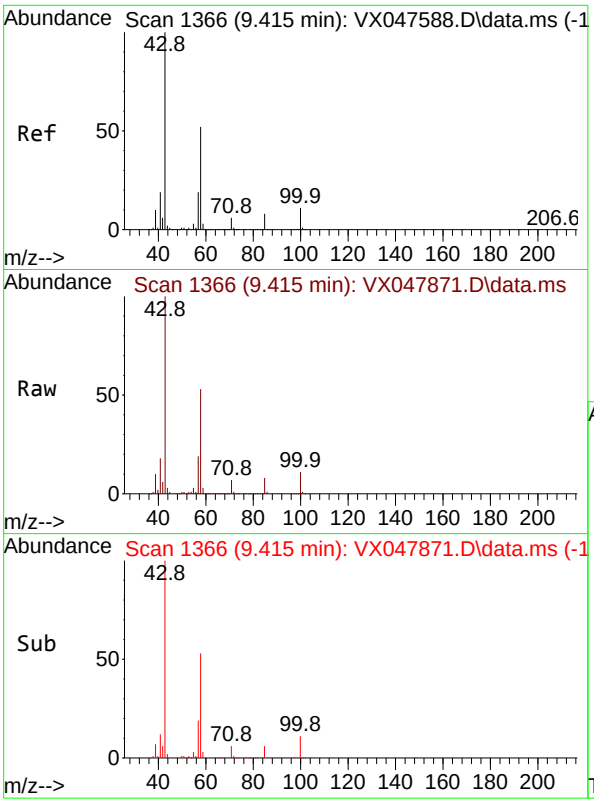


#58
2-Chloroethyl Vinyl ether
Concen: 101.895 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 63 Resp: 144323

Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.9	32.9



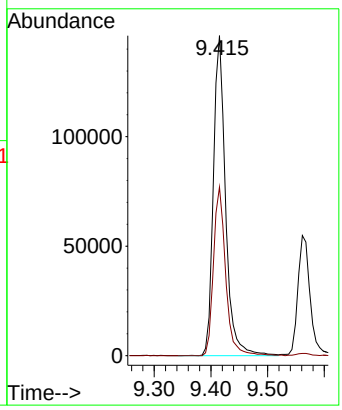


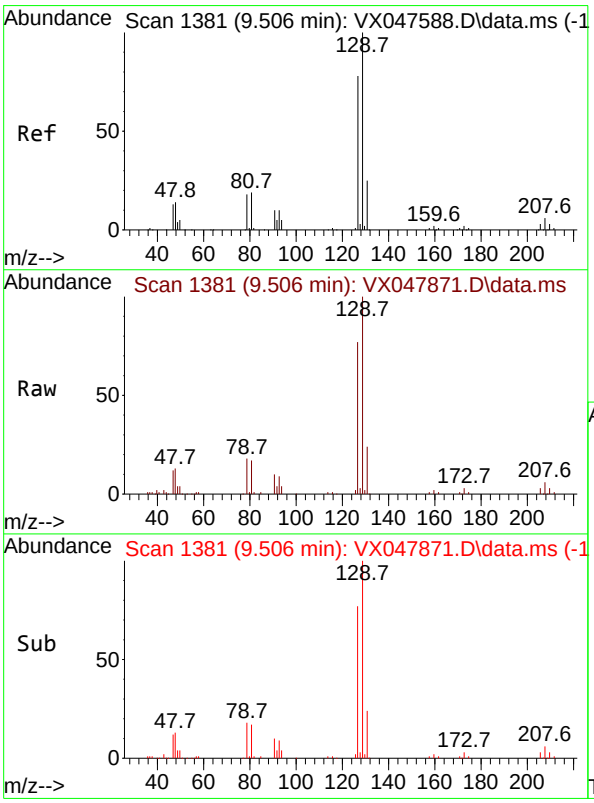
#59
2-Hexanone
Concen: 110.855 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion: 43 Resp: 217848

Ion	Ratio	Lower	Upper
43	100		
58	52.8	26.1	78.2

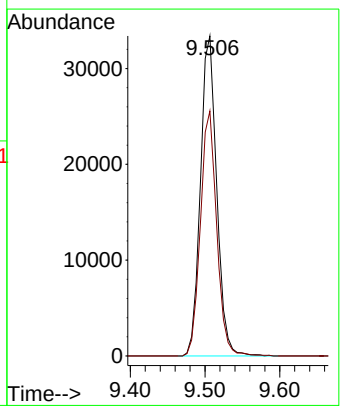


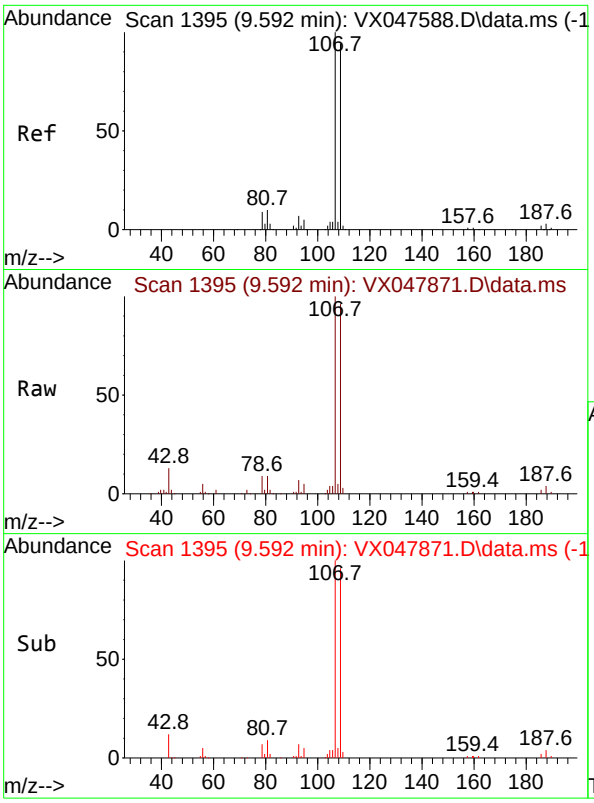


#60
Dibromochloromethane
Concen: 21.564 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:129 Resp: 50383

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.4	115.2



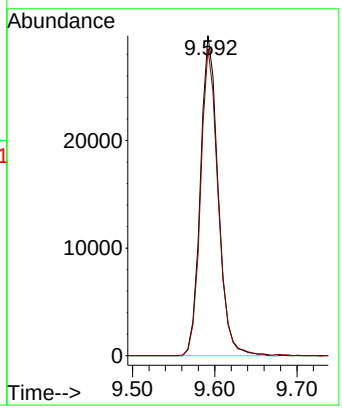


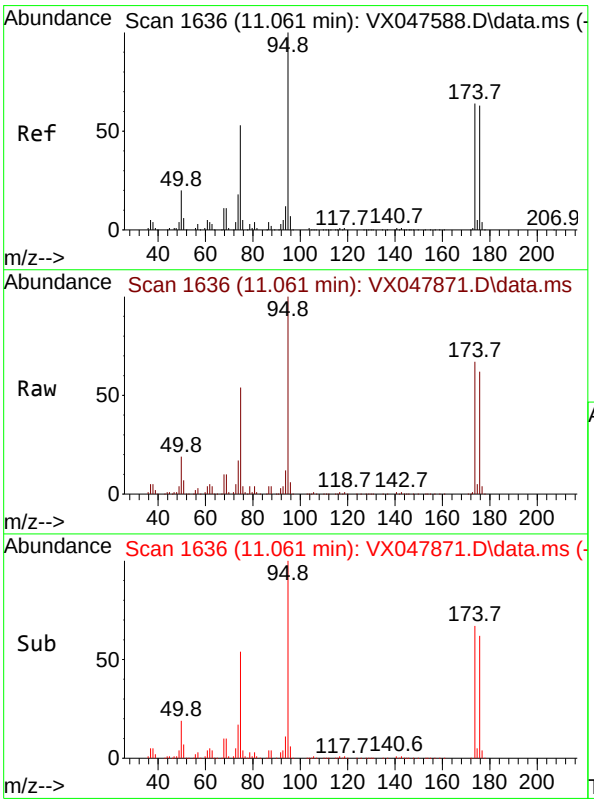
#61
1,2-Dibromoethane
Concen: 21.584 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion:107 Resp: 44579

Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.3	112.9

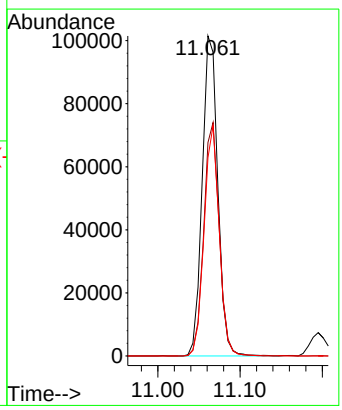


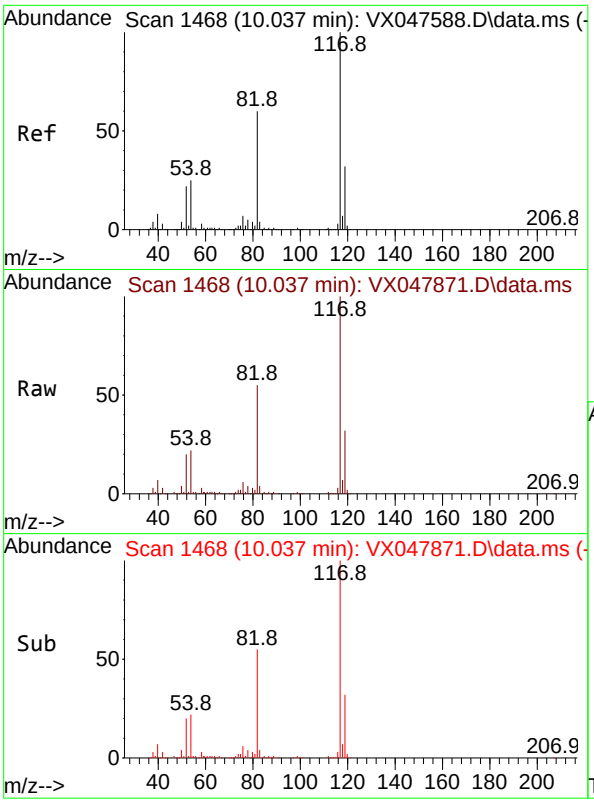


#62
4-Bromofluorobenzene
Concen: 52.873 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 95 Resp: 133538

Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	141.6
176	69.8	0.0	138.4



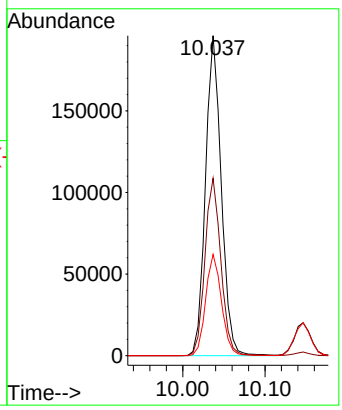


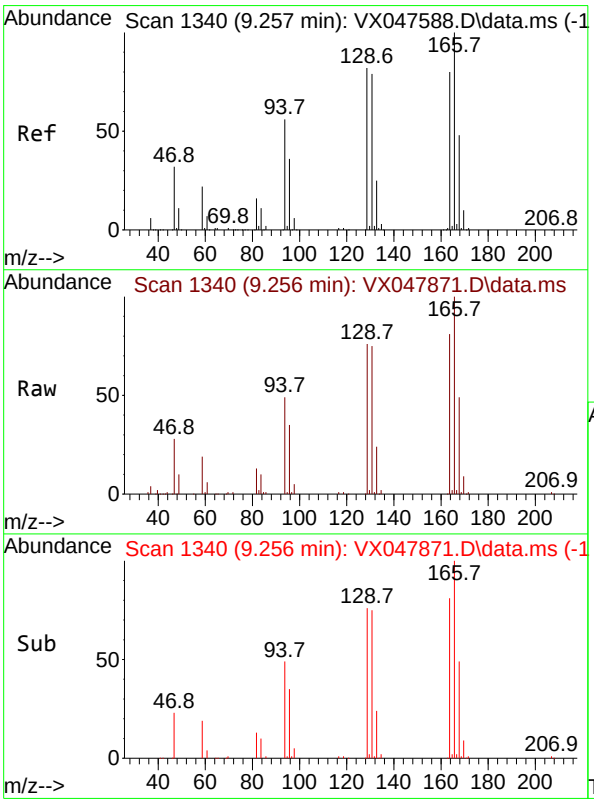
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion:117 Resp: 261167

Ion	Ratio	Lower	Upper
117	100		
82	55.5	47.8	71.6
119	31.6	25.2	37.8

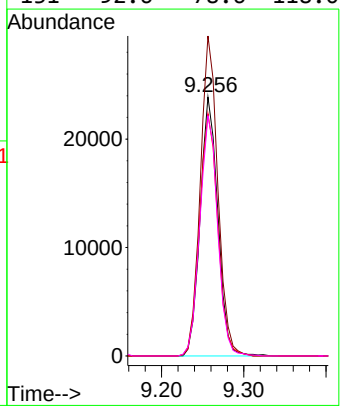


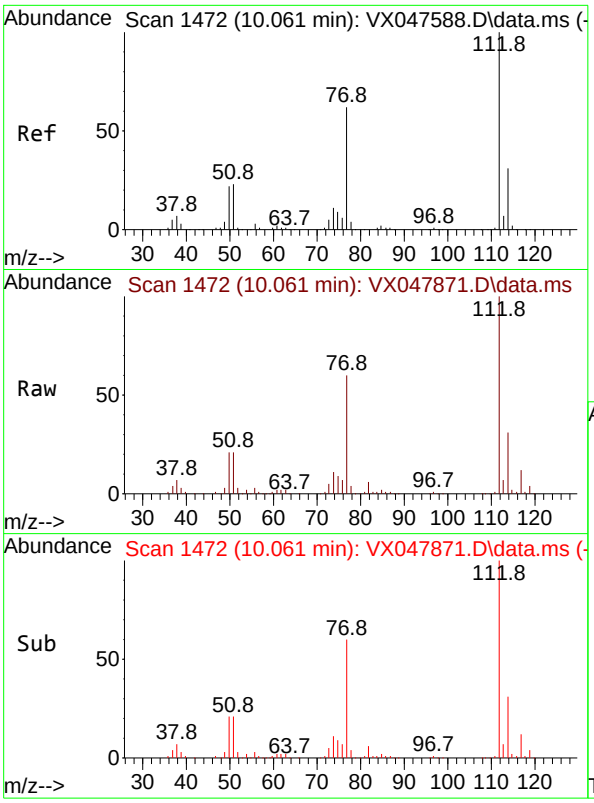


#64
Tetrachloroethene
Concen: 20.956 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:164 Resp: 35678

Ion	Ratio	Lower	Upper
164	100		
166	123.6	100.2	150.2
129	93.6	81.8	122.6
131	92.6	78.6	118.0



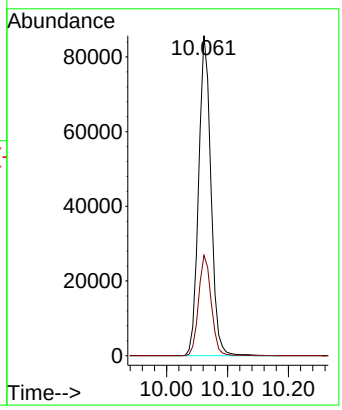


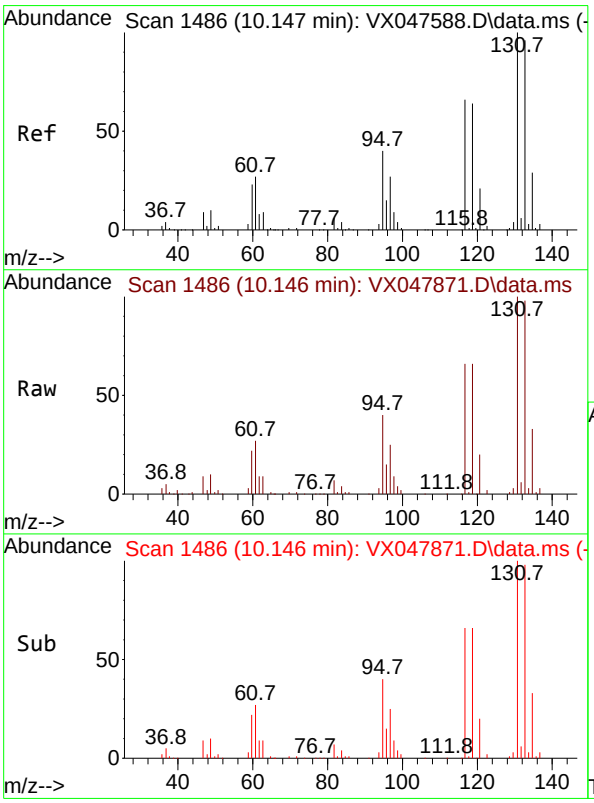
#65
Chlorobenzene
Concen: 20.227 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion:112 Resp: 120014

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.1	37.7

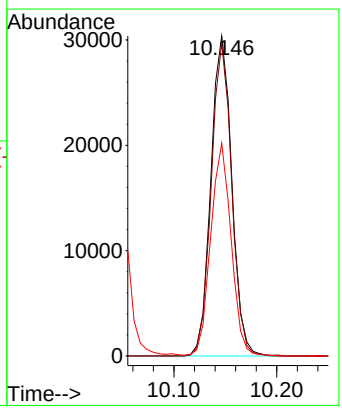


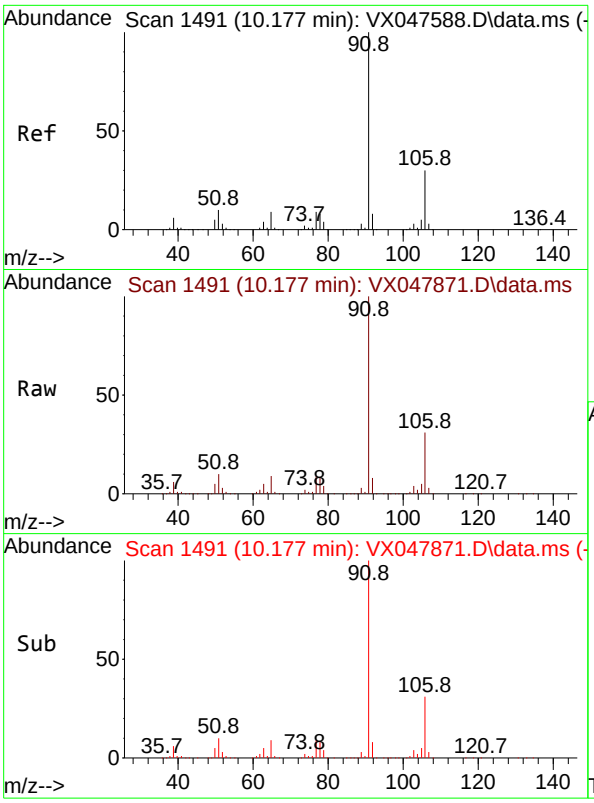


#66
1,1,1,2-Tetrachloroethane
Concen: 20.875 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:131 Resp: 42740

Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.3	142.0
119	65.1	32.0	96.0



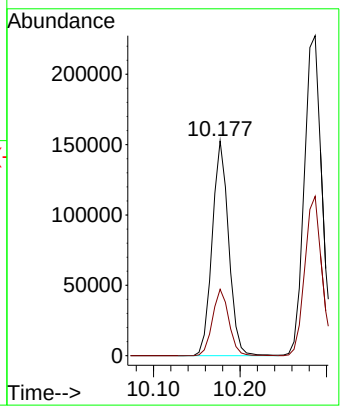


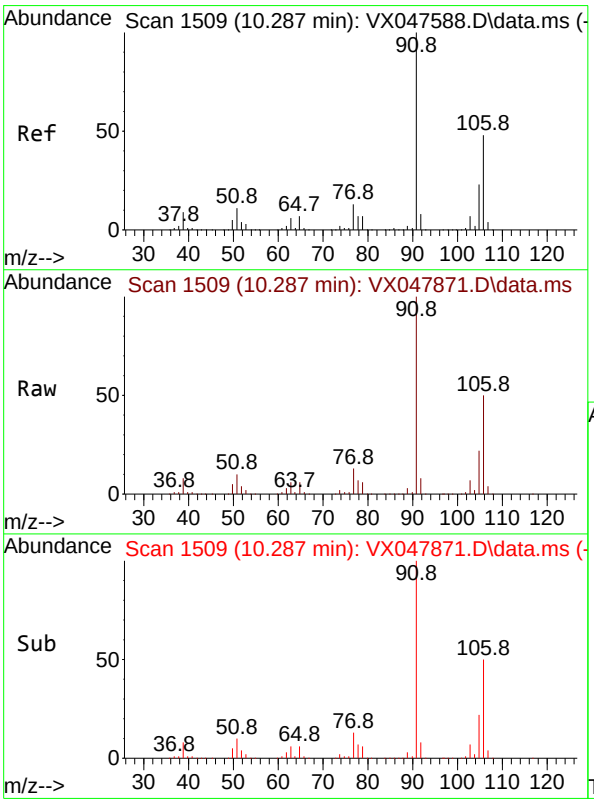
#67
Ethyl Benzene
Concen: 19.642 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion: 91 Resp: 201086

Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.3	36.5

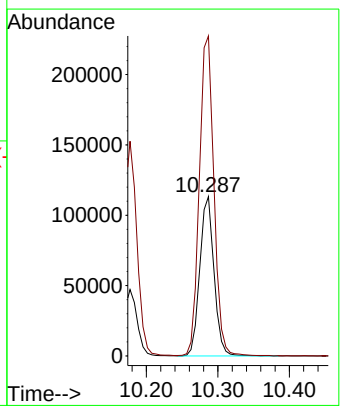


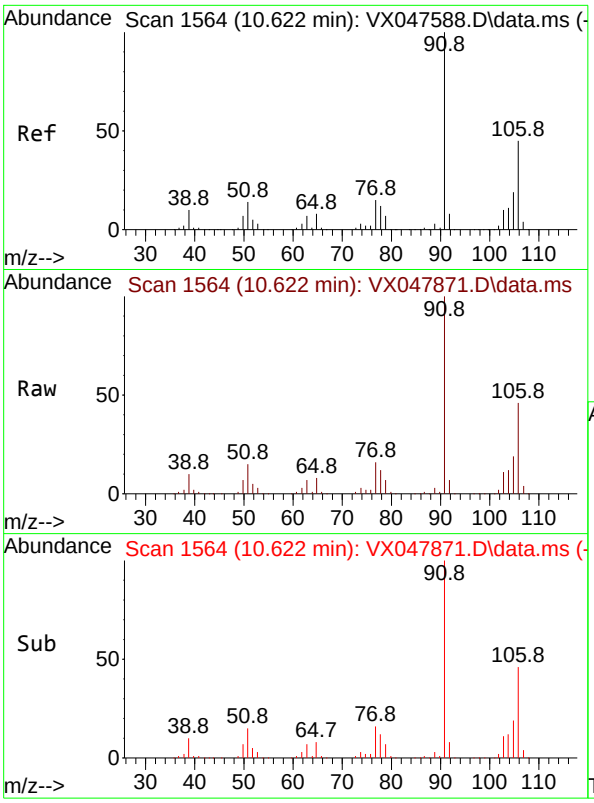


#68
m/p-Xylenes
Concen: 41.014 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:106 Resp: 156280

Ion	Ratio	Lower	Upper
106	100		
91	206.2	167.8	251.8



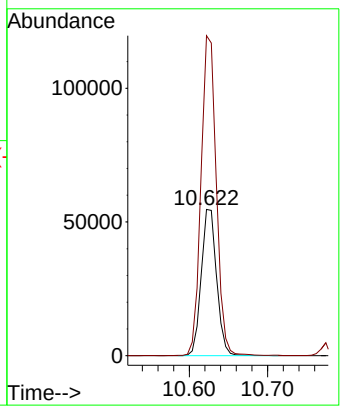


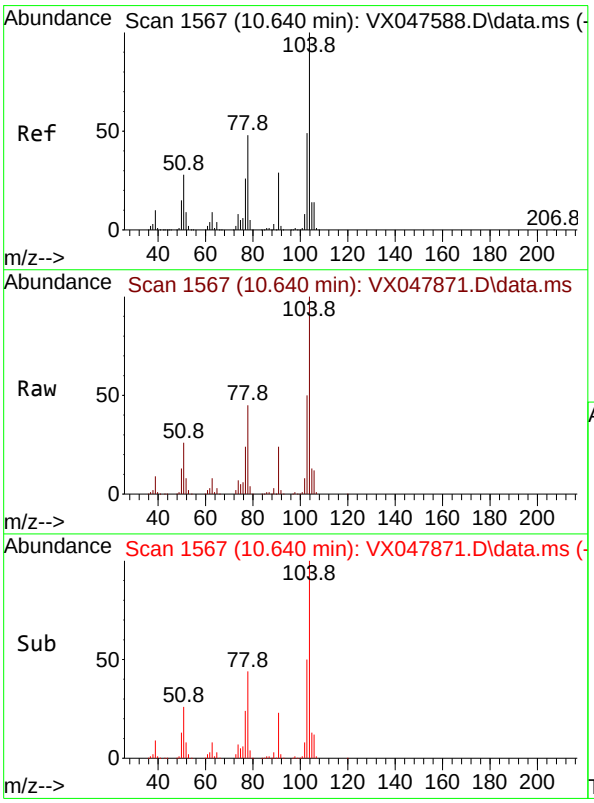
#69
o-Xylene
Concen: 20.218 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion:106 Resp: 74514

Ion	Ratio	Lower	Upper
106	100		
91	218.1	111.1	333.4

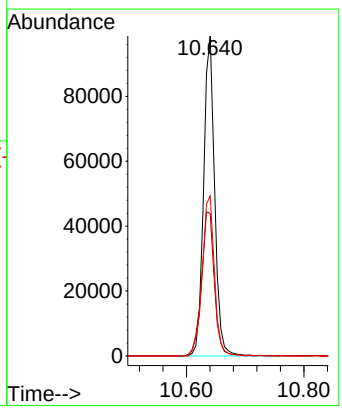


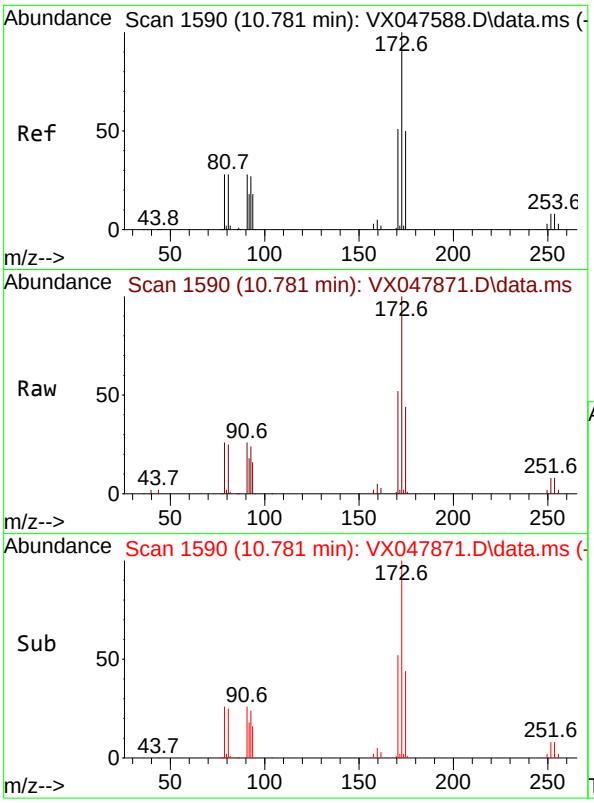


#70
Styrene
Concen: 19.959 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:104 Resp: 128890

Ion	Ratio	Lower	Upper
104	100		
78	52.5	43.1	64.7
103	55.4	43.1	64.7



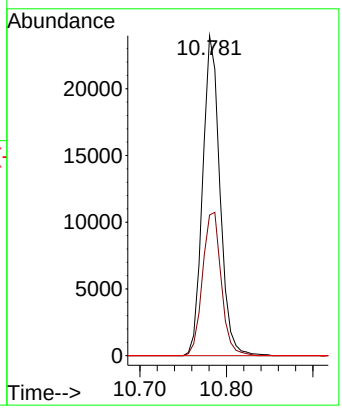


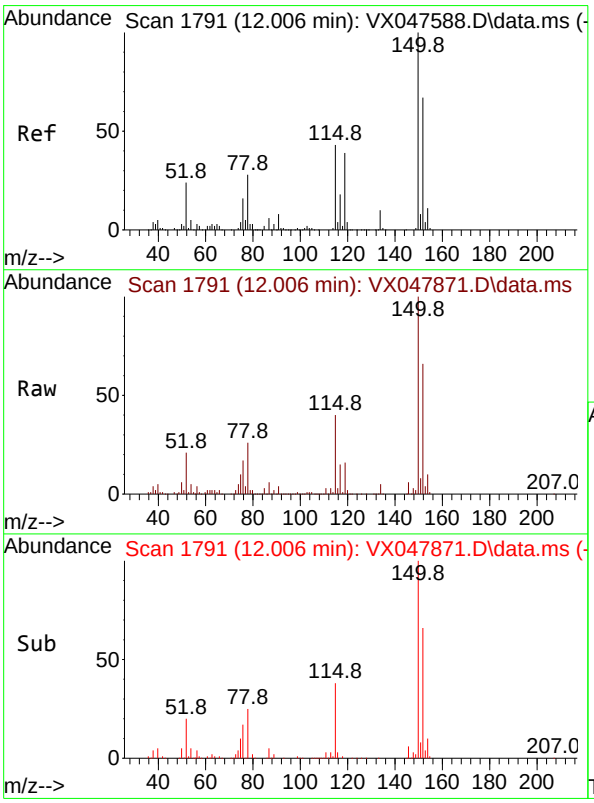
#71
Bromoform
Concen: 21.741 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion:173 Resp: 33237

Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.9	74.6
254	0.0	0.1	0.1#

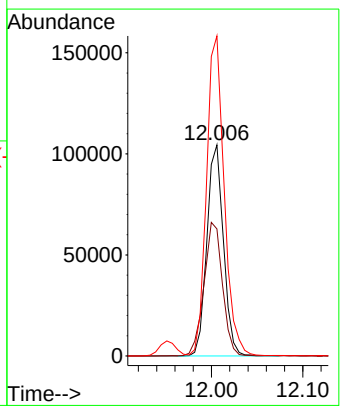


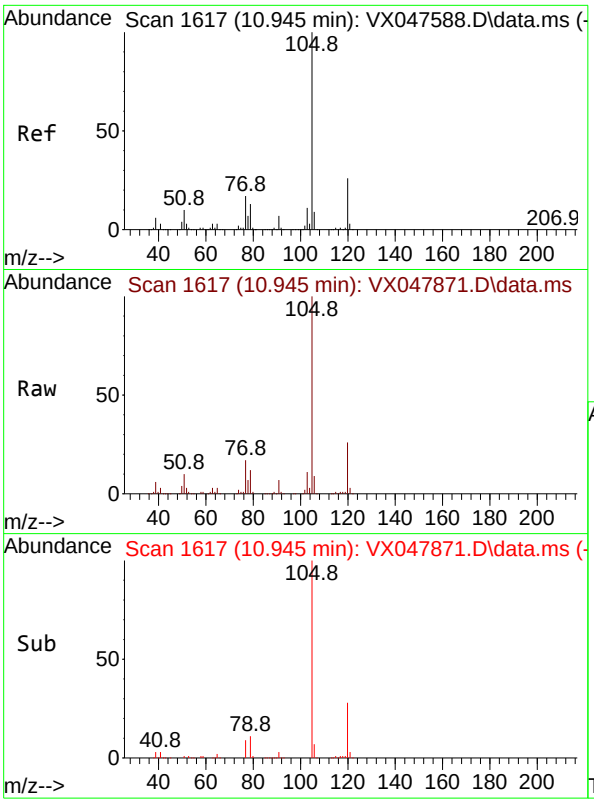


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:152 Resp: 131097

Ion	Ratio	Lower	Upper
152	100		
115	70.8	44.9	134.5
150	162.2	0.0	352.0



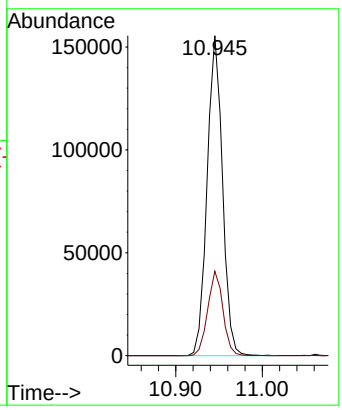


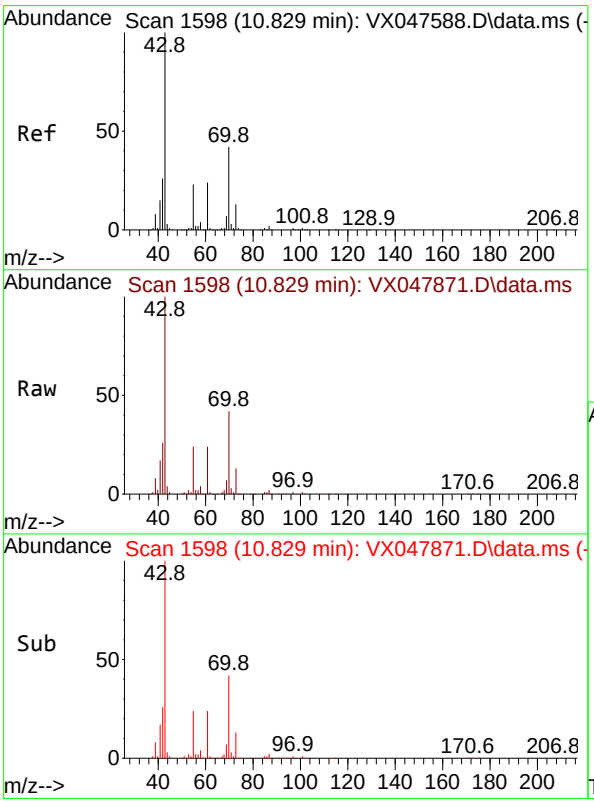
#73
Isopropylbenzene
Concen: 19.194 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion:105 Resp: 191306

Ion	Ratio	Lower	Upper
105	100		
120	26.3	12.8	38.4

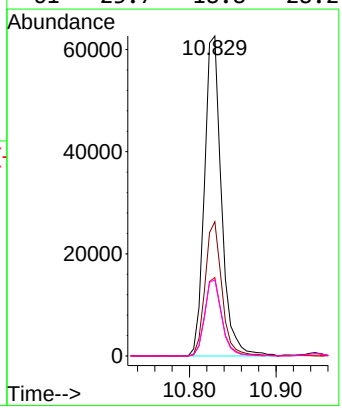


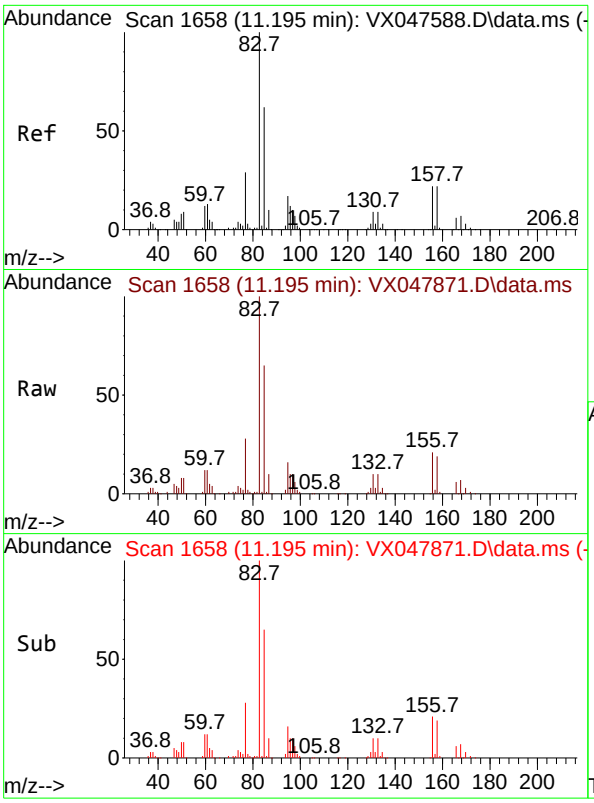


#74
N-amyl acetate
Concen: 18.849 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 43 Resp: 85668

Ion	Ratio	Lower	Upper
43	100		
70	41.2	32.0	48.0
55	24.6	18.9	28.3
61	23.7	18.8	28.2



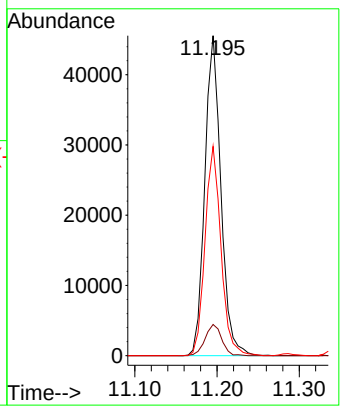


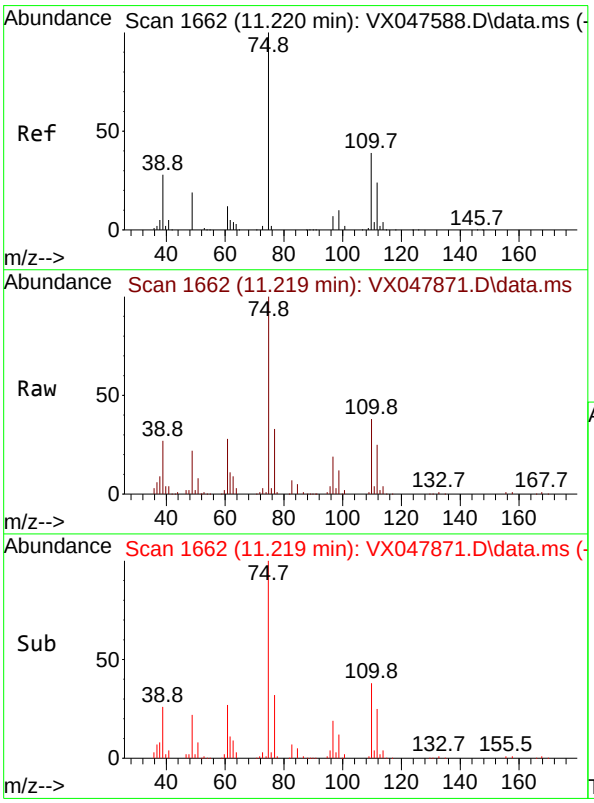
#75
1,1,2,2-Tetrachloroethane
Concen: 20.556 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion: 83 Resp: 61986

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	64.9	31.6	95.0

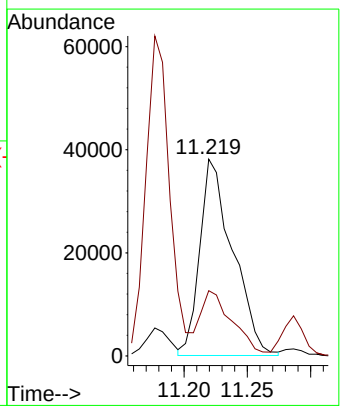


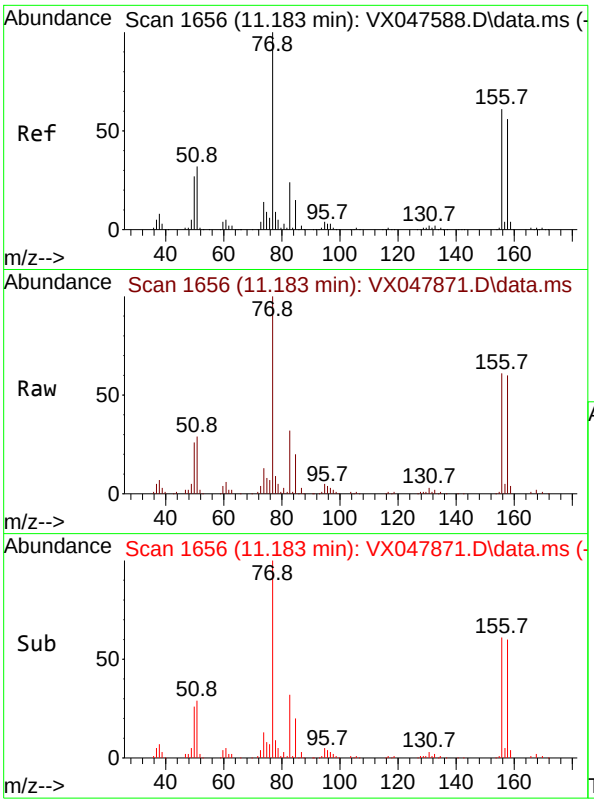


#76
1,2,3-Trichloropropane
Concen: 26.069 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 75 Resp: 69196

Ion	Ratio	Lower	Upper
75	100		
77	31.4	18.8	56.4



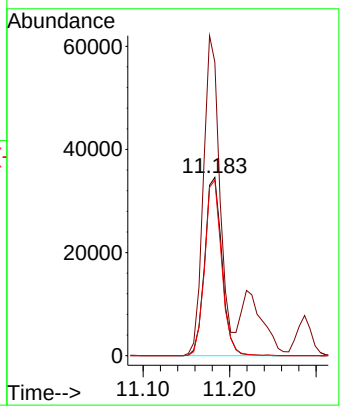


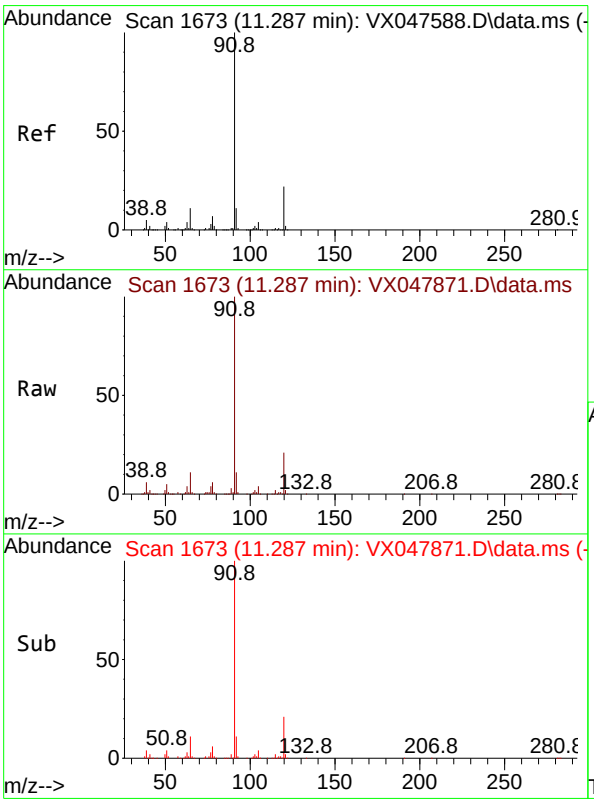
#77
Bromobenzene
Concen: 19.454 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion:156 Resp: 47755

Ion	Ratio	Lower	Upper
156	100		
77	172.9	89.7	269.1
158	96.7	47.9	143.6

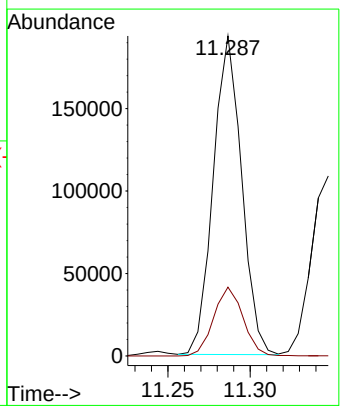


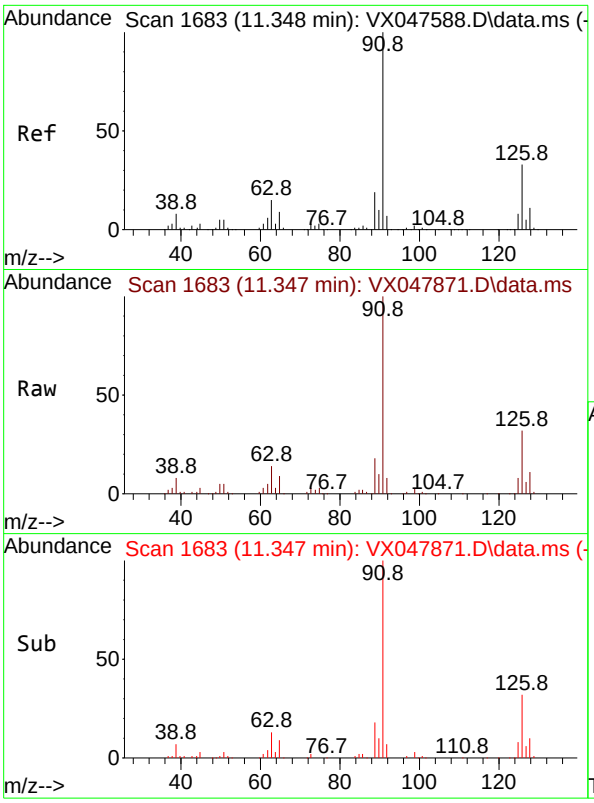


#78
n-propylbenzene
Concen: 19.627 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 91 Resp: 231248

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1



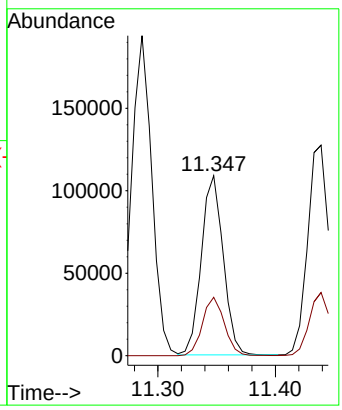


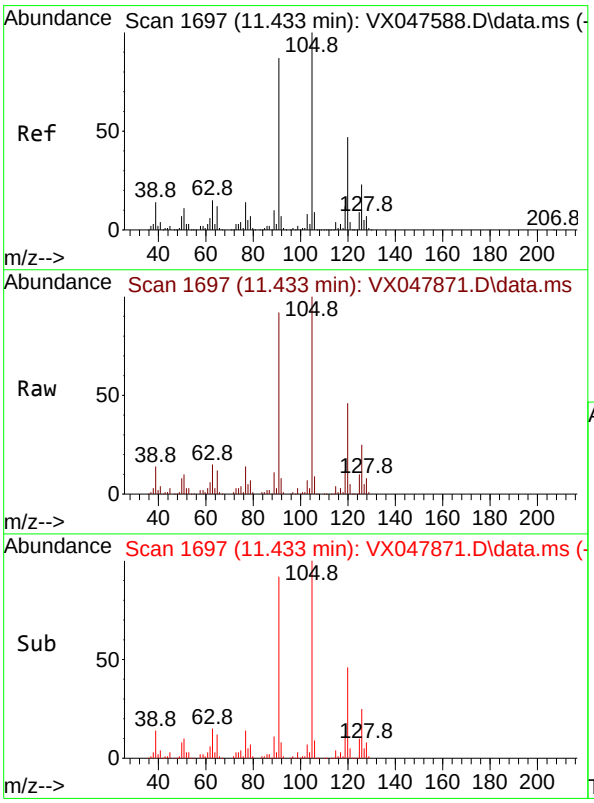
#79
2-Chlorotoluene
Concen: 19.479 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion: 91 Resp: 140564

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.1	48.3

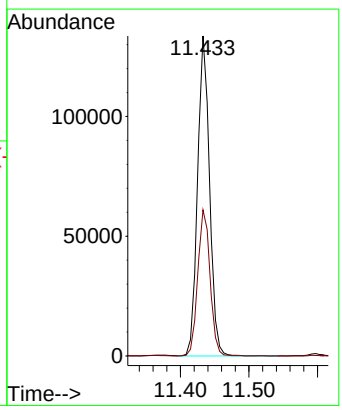


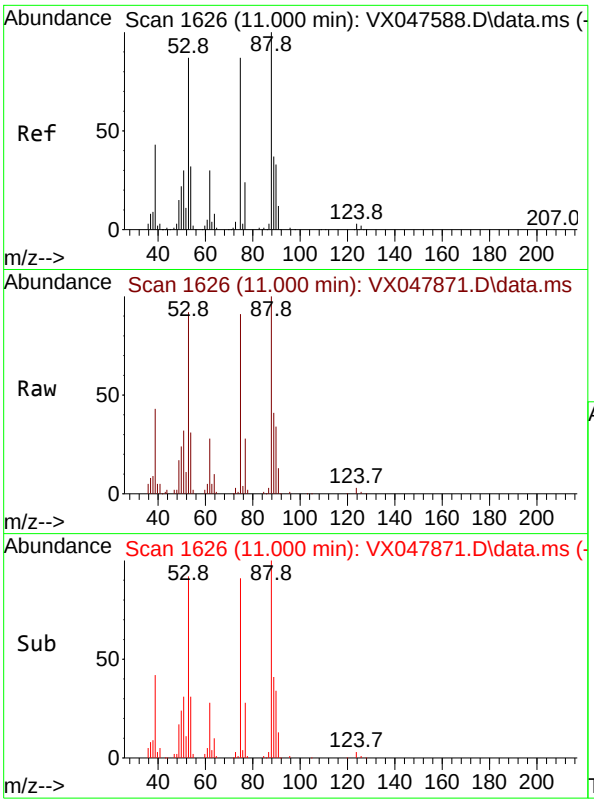


#80
1,3,5-Trimethylbenzene
Concen: 19.872 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:105 Resp: 162726

Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.6	70.8



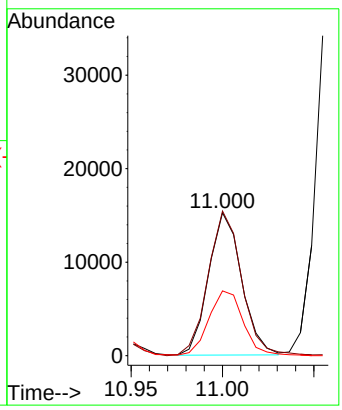


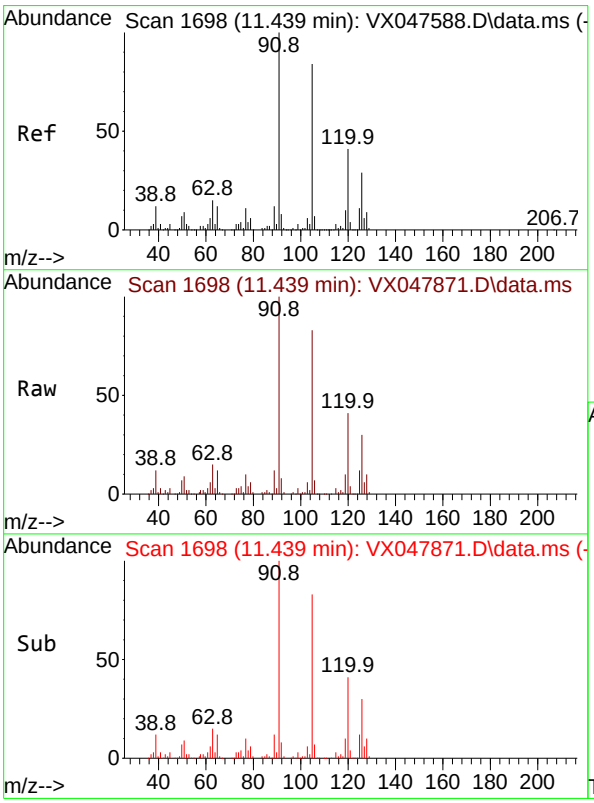
#81
trans-1,4-Dichloro-2-butene
Concen: 18.405 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion: 75 Resp: 19157

Ion	Ratio	Lower	Upper
75	100		
53	104.4	83.4	125.2
89	47.5	36.3	54.5

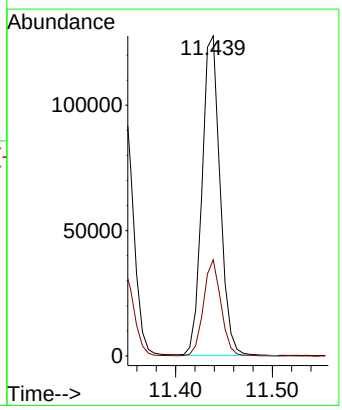


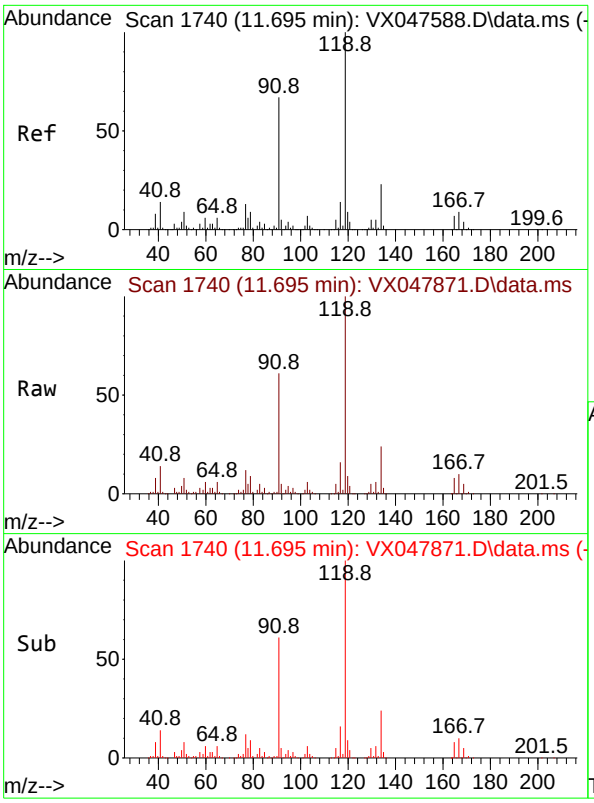


#82
4-Chlorotoluene
Concen: 19.414 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 91 Resp: 165459

Ion	Ratio	Lower	Upper
91	100		
126	29.3	14.2	42.6



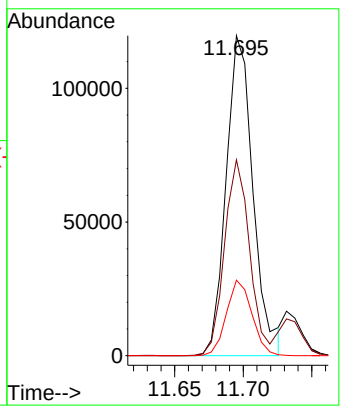


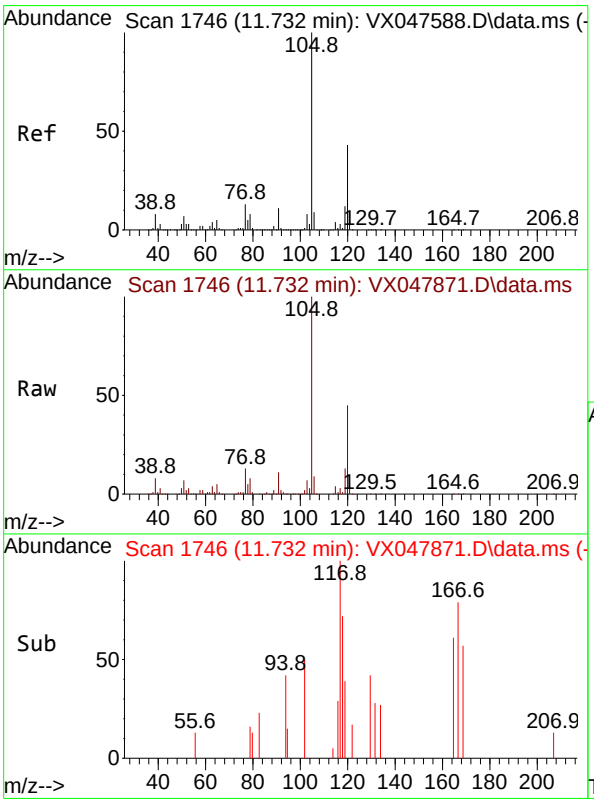
#83
tert-Butylbenzene
Concen: 19.487 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion:119 Resp: 163354

Ion	Ratio	Lower	Upper
119	100		
91	57.2	29.6	88.8
134	22.4	11.0	33.0

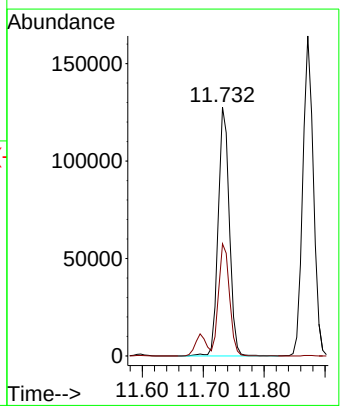


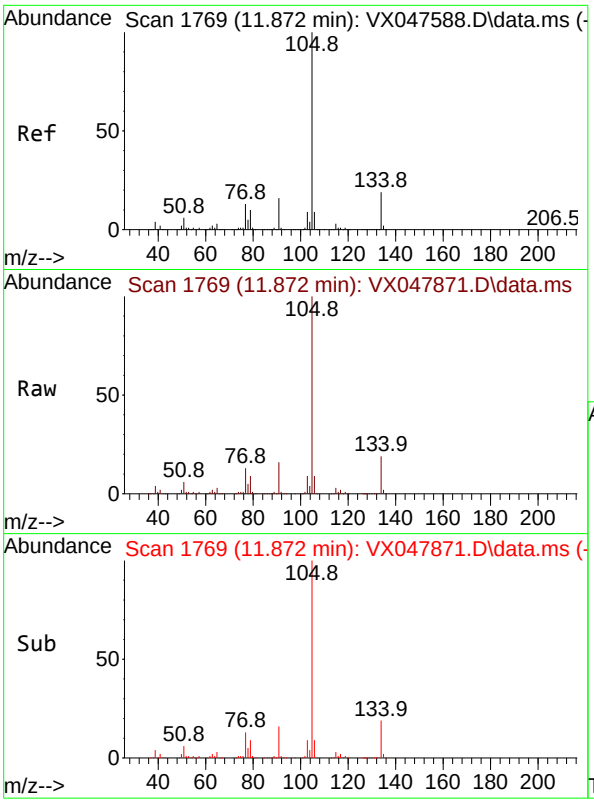


#84
1,2,4-Trimethylbenzene
Concen: 19.462 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:105 Resp: 161571

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.1



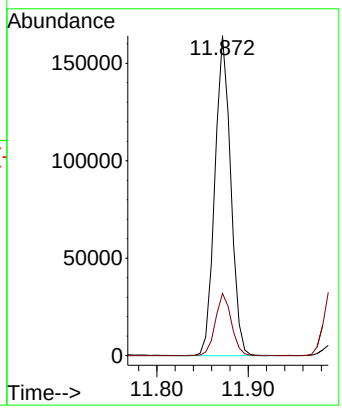


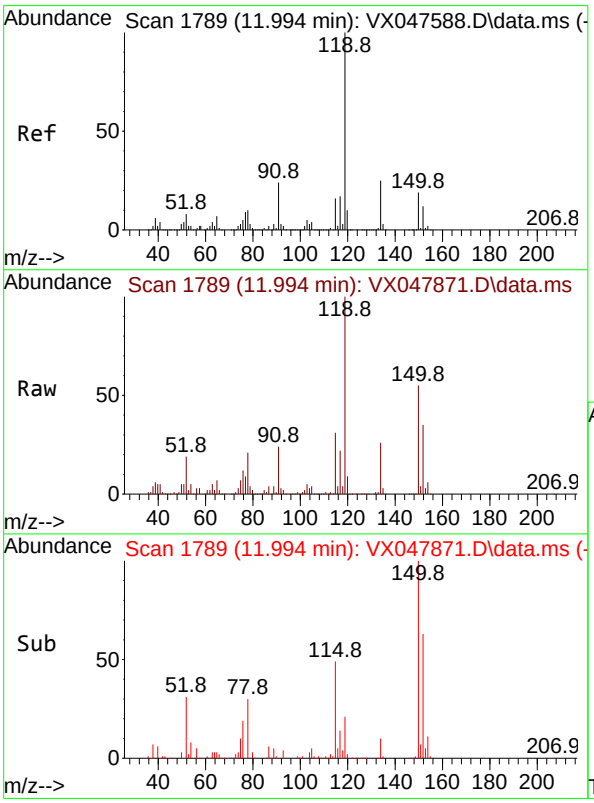
#85
sec-Butylbenzene
Concen: 19.899 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion:105 Resp: 198132

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.5

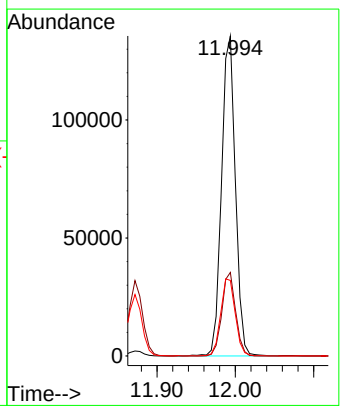


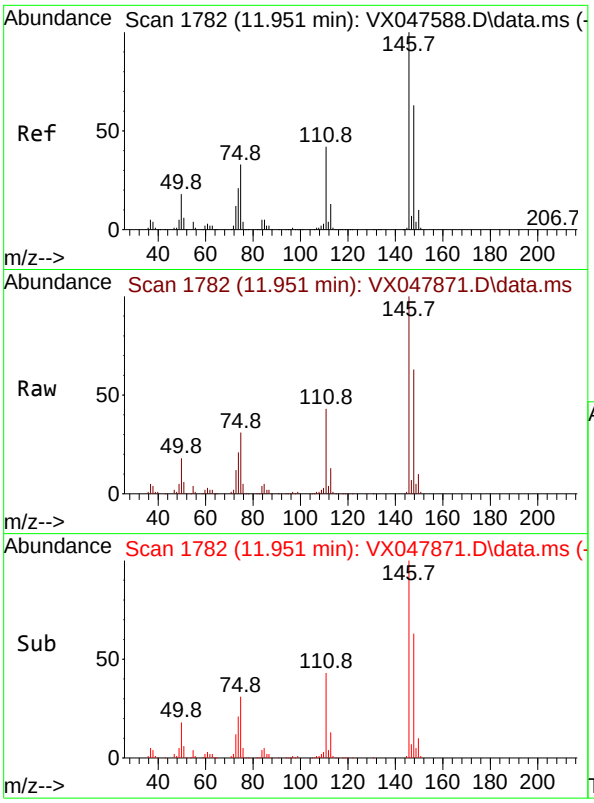


#86
p-Isopropyltoluene
Concen: 19.843 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:119 Resp: 167264

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	25.4	12.6	37.6



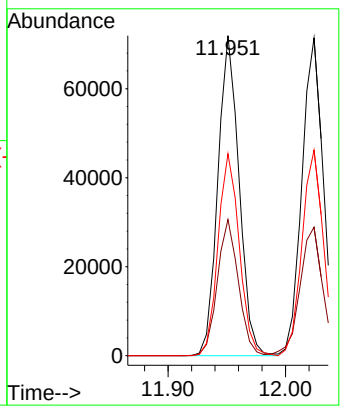


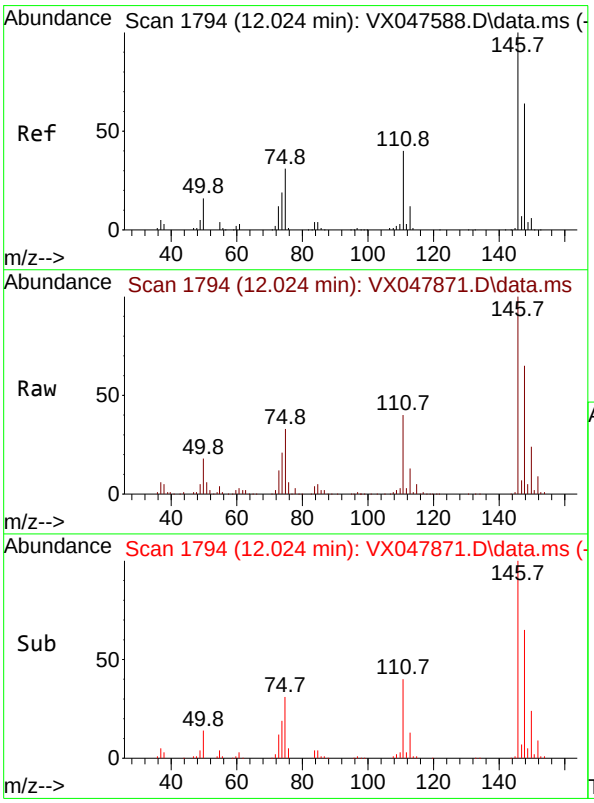
#87
1,3-Dichlorobenzene
Concen: 19.789 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion:146 Resp: 90228

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.5	64.5
148	63.2	32.0	96.0

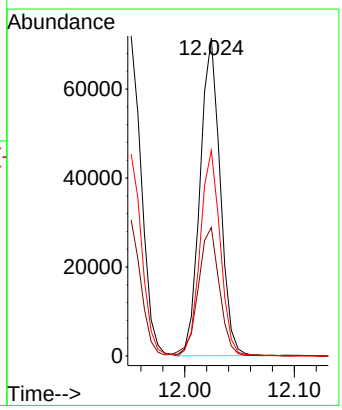


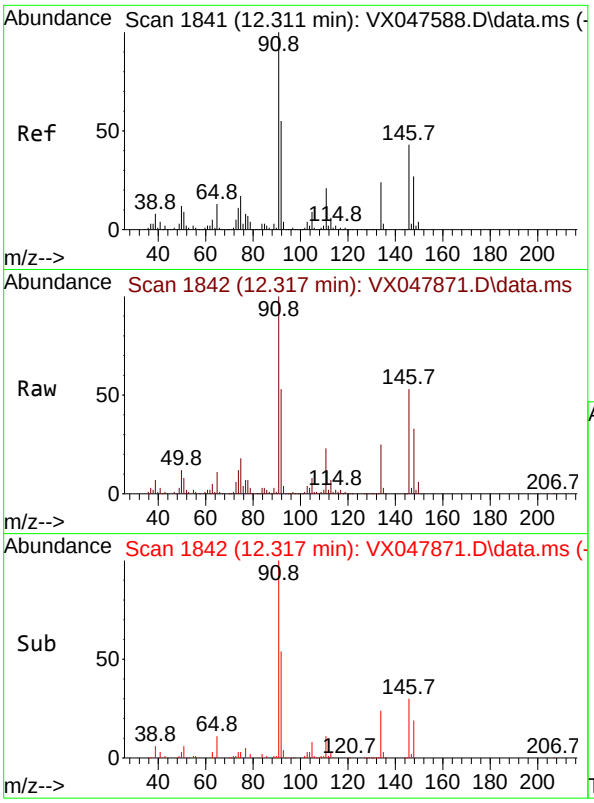


#88
1,4-Dichlorobenzene
Concen: 19.399 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:146 Resp: 90782

Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.8	62.4
148	64.9	31.7	95.1



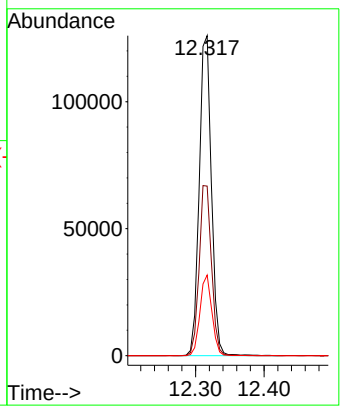


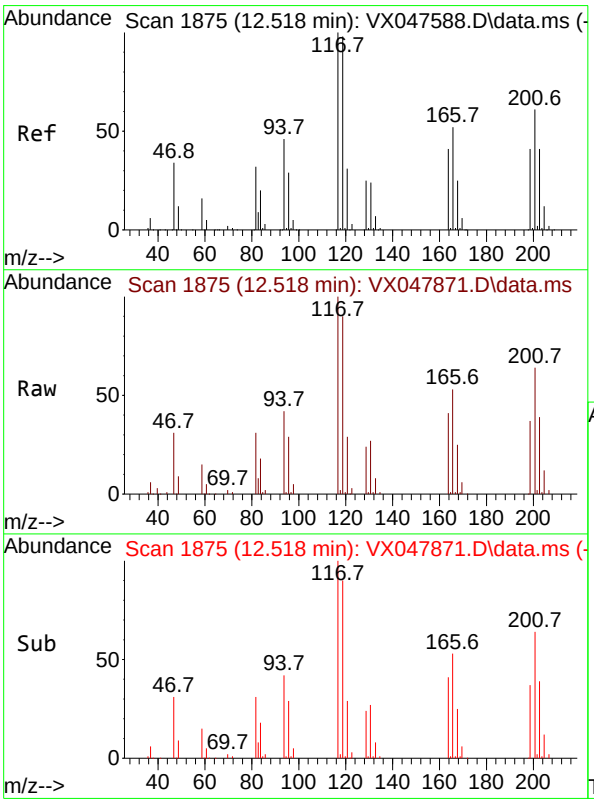
#89
n-Butylbenzene
Concen: 20.006 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion: 91 Resp: 156039

Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.6	82.7
134	24.7	12.6	37.8

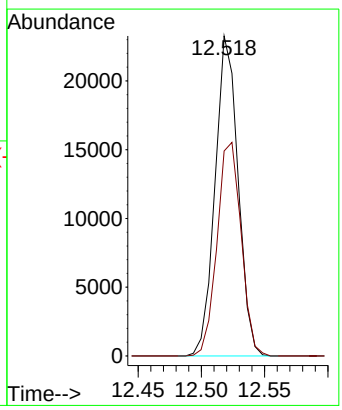


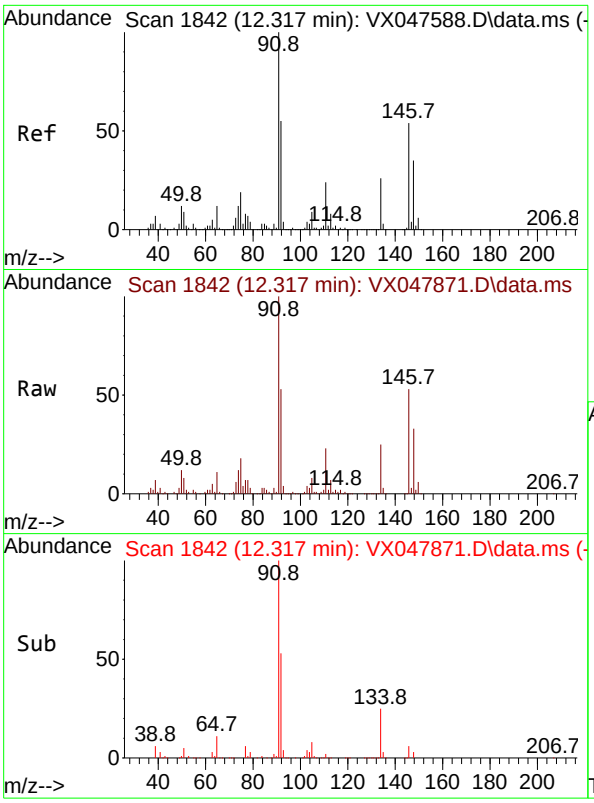


#90
Hexachloroethane
Concen: 19.849 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:117 Resp: 29376

Ion	Ratio	Lower	Upper
117	100		
201	69.9	34.2	102.5



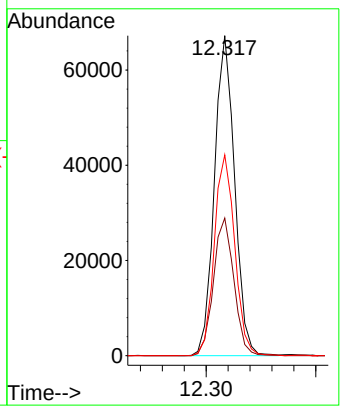


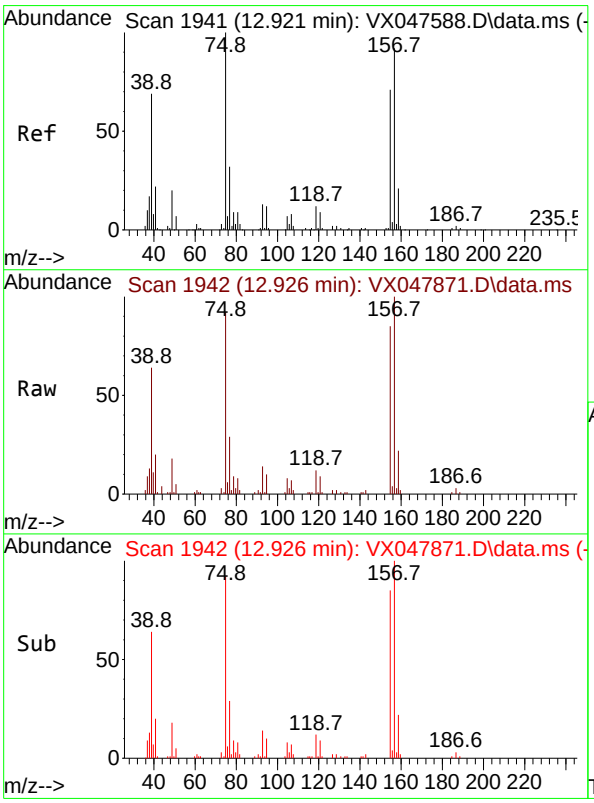
#91
1,2-Dichlorobenzene
Concen: 19.805 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion:146 Resp: 86030

Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.2	66.6
148	63.6	31.8	95.4

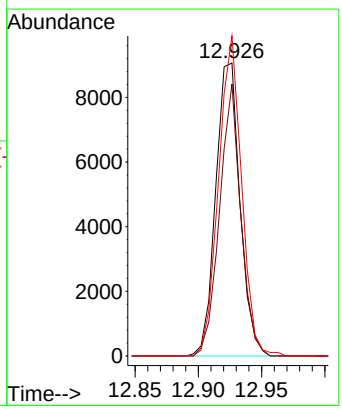


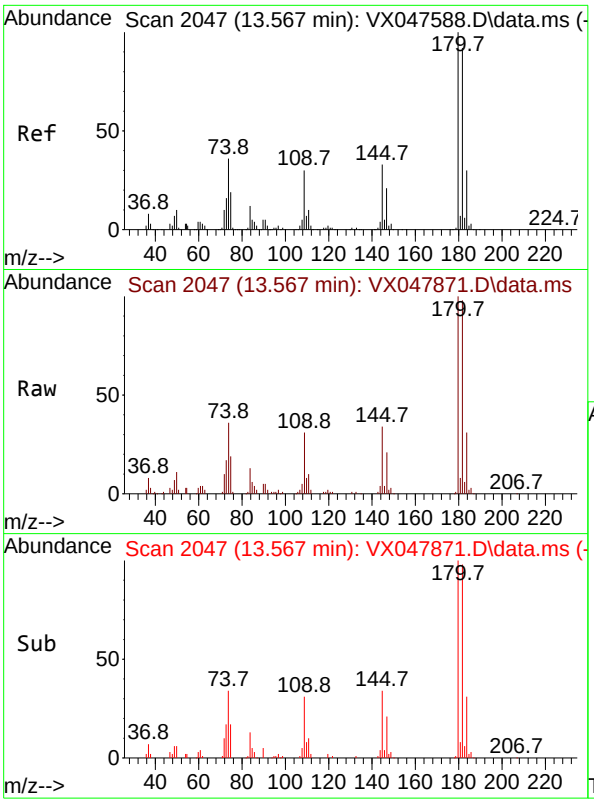


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.809 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion: 75 Resp: 12094

Ion	Ratio	Lower	Upper
75	100		
155	81.3	37.7	113.1
157	103.3	49.8	149.4



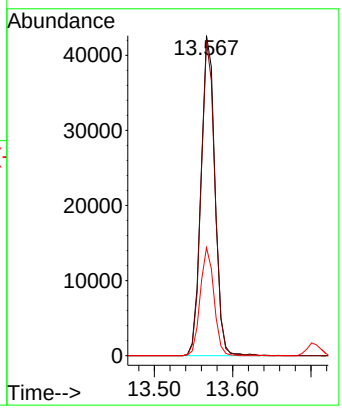


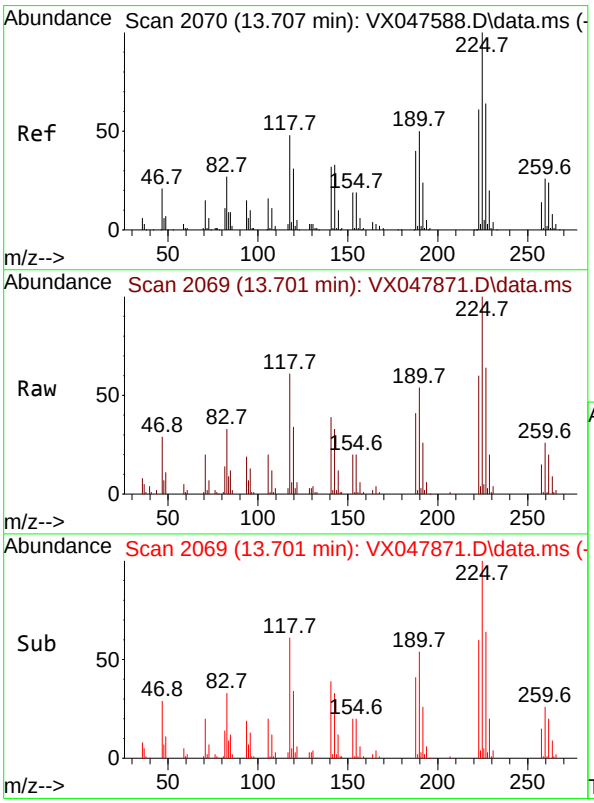
#93
1,2,4-Trichlorobenzene
Concen: 18.597 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion:180 Resp: 52503

Ion	Ratio	Lower	Upper
180	100		
182	97.4	46.6	139.8
145	33.2	16.4	49.1

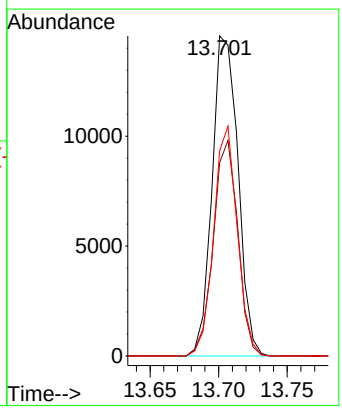


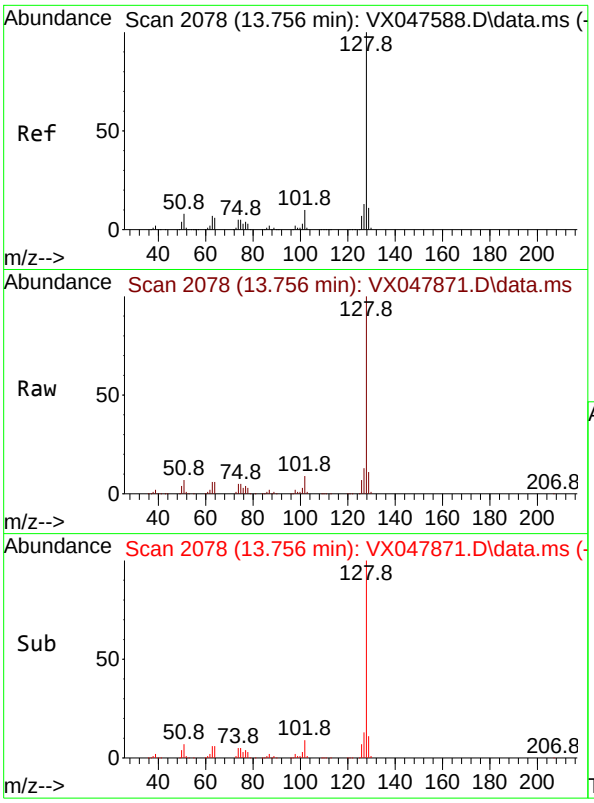


#94
Hexachlorobutadiene
Concen: 19.953 ug/l
RT: 13.701 min Scan# 2069
Delta R.T. -0.006 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:225 Resp: 19133

Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.7	95.1
227	65.4	32.0	96.0



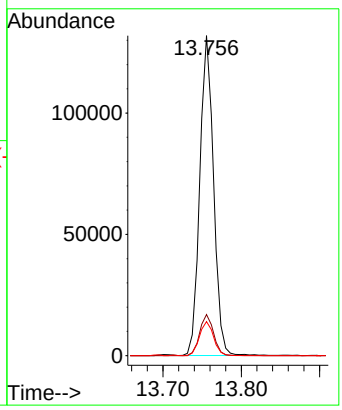


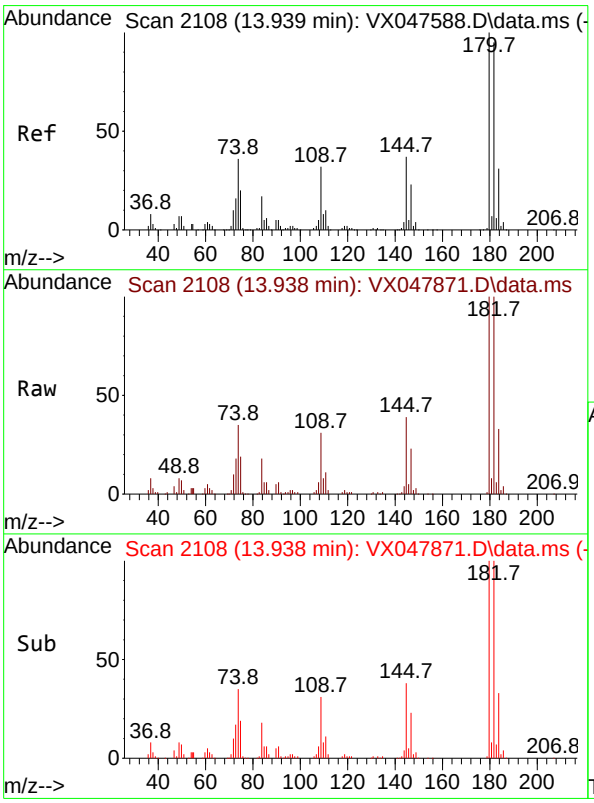
#95
Naphthalene
Concen: 18.719 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBS01

Tgt Ion:128 Resp: 160918

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.0	8.8	13.2

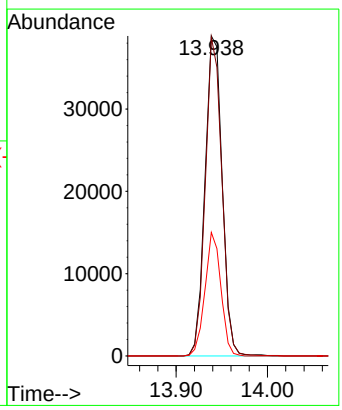




#96
1,2,3-Trichlorobenzene
Concen: 19.272 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047871.D
Acq: 29 Sep 2025 10:44

Tgt Ion:180 Resp: 50611

Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.6	142.8
145	35.9	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047873.D
Acq On : 29 Sep 2025 11:26
Operator : JC/MD
Sample : VX0929WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Quant Time: Sep 30 01:16:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	159091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	281426	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	258238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	129173	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	130982	51.724	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.440%			
35) Dibromofluoromethane	5.373	113	102561	54.340	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.680%			
50) Toluene-d8	8.635	98	345784	52.947	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.900%			
62) 4-Bromofluorobenzene	11.061	95	133853	54.005	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	34085	20.690	ug/l	97
3) Chloromethane	1.301	50	39019	18.021	ug/l	99
4) Vinyl Chloride	1.380	62	41519	19.590	ug/l	97
5) Bromomethane	1.618	94	28541	21.236	ug/l	97
6) Chloroethane	1.697	64	26784	18.908	ug/l	98
7) Trichlorofluoromethane	1.898	101	61665	19.595	ug/l	99
8) Diethyl Ether	2.136	74	25252	19.616	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.337	101	36665	19.925	ug/l	98
10) Methyl Iodide	2.459	142	43370	15.112	ug/l	99
11) Tert butyl alcohol	2.947	59	32652	115.773	ug/l	99
12) 1,1-Dichloroethene	2.325	96	36445	19.281	ug/l	96
13) Acrolein	2.239	56	22223	85.506	ug/l	98
14) Allyl chloride	2.666	41	69685	17.866	ug/l	96
15) Acrylonitrile	3.056	53	118062	113.014	ug/l	99
16) Acetone	2.380	43	101804	92.460	ug/l	99
17) Carbon Disulfide	2.514	76	95701	18.495	ug/l	99
18) Methyl Acetate	2.703	43	57525	23.476	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	136117	19.727	ug/l	98
20) Methylene Chloride	2.788	84	45672	19.596	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	39396	19.359	ug/l	93
22) Diisopropyl ether	3.751	45	147892	19.565	ug/l #	77
23) Vinyl Acetate	3.715	43	602914	99.657	ug/l	99
24) 1,1-Dichloroethane	3.605	63	77590	19.312	ug/l	99
25) 2-Butanone	4.544	43	149922	109.158	ug/l	98
26) 2,2-Dichloropropane	4.471	77	62308	18.656	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	48396	19.419	ug/l	97
28) Bromochloromethane	4.891	49	32770	18.683	ug/l	99
29) Tetrahydrofuran	4.995	42	90983	110.118	ug/l	99
30) Chloroform	5.080	83	81327	20.031	ug/l	99
31) Cyclohexane	5.458	56	61505	18.380	ug/l	94
32) 1,1,1-Trichloroethane	5.373	97	67446	19.585	ug/l	100
36) 1,1-Dichloropropene	5.678	75	51627	18.719	ug/l	99
37) Ethyl Acetate	4.702	43	62780	21.260	ug/l	98
38) Carbon Tetrachloride	5.666	117	57219	19.095	ug/l	98
39) Methylcyclohexane	7.367	83	58622	18.725	ug/l	98
40) Benzene	6.025	78	164227	19.606	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047873.D
Acq On : 29 Sep 2025 11:26
Operator : JC/MD
Sample : VX0929WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Quant Time: Sep 30 01:16:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	33580	22.027	ug/l		98
42) 1,2-Dichloroethane	6.074	62	61675	19.351	ug/l		98
43) Isopropyl Acetate	6.324	43	100312	20.713	ug/l		99
44) Trichloroethene	7.110	130	39965	19.734	ug/l		99
45) 1,2-Dichloropropane	7.415	63	42507	19.818	ug/l		97
46) Dibromomethane	7.568	93	31801	20.374	ug/l		98
47) Bromodichloromethane	7.805	83	63550	19.730	ug/l		98
48) Methyl methacrylate	7.677	41	49641	20.578	ug/l		98
49) 1,4-Dioxane	7.647	88	13266	544.144	ug/l		99
51) 4-Methyl-2-Pentanone	8.555	43	308945	115.055	ug/l		100
52) Toluene	8.702	92	101600	19.687	ug/l		98
53) t-1,3-Dichloropropene	8.964	75	62928	19.154	ug/l		98
54) cis-1,3-Dichloropropene	8.354	75	68607	19.537	ug/l		98
55) 1,1,2-Trichloroethane	9.134	97	41741	20.976	ug/l		98
56) Ethyl methacrylate	9.104	69	64436	20.618	ug/l		96
57) 1,3-Dichloropropane	9.293	76	72173	21.113	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.226	63	144008	103.449	ug/l		99
59) 2-Hexanone	9.415	43	217819	112.947	ug/l		99
60) Dibromochloromethane	9.506	129	48253	21.045	ug/l		99
61) 1,2-Dibromoethane	9.592	107	43859	21.639	ug/l		100
64) Tetrachloroethene	9.263	164	33085	19.653	ug/l		90
65) Chlorobenzene	10.067	112	111694	19.039	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.147	131	39843	19.681	ug/l		98
67) Ethyl Benzene	10.177	91	188830	18.654	ug/l		99
68) m/p-Xylenes	10.287	106	143383	38.056	ug/l		99
69) o-Xylene	10.628	106	68578	18.818	ug/l		99
70) Styrene	10.640	104	121241	18.987	ug/l		99
71) Bromoform	10.781	173	30968	20.487	ug/l	#	99
73) Isopropylbenzene	10.945	105	179619	18.290	ug/l		98
74) N-amyl acetate	10.829	43	85106	19.004	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	61210	20.601	ug/l		97
76) 1,2,3-Trichloropropane	11.220	75	66436	25.402	ug/l		92
77) Bromobenzene	11.183	156	44933	18.577	ug/l		98
78) n-propylbenzene	11.287	91	214005	18.434	ug/l		99
79) 2-Chlorotoluene	11.348	91	130727	18.385	ug/l		98
80) 1,3,5-Trimethylbenzene	11.433	105	150269	18.624	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	18795	18.326	ug/l		98
82) 4-Chlorotoluene	11.439	91	153647	18.296	ug/l		99
83) tert-Butylbenzene	11.695	119	150211	18.186	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	149600	18.288	ug/l		99
85) sec-Butylbenzene	11.872	105	184933	18.850	ug/l		100
86) p-Isopropyltoluene	11.994	119	153538	18.486	ug/l		98
87) 1,3-Dichlorobenzene	11.951	146	84852	18.887	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	85922	18.634	ug/l		99
89) n-Butylbenzene	12.317	91	141840	18.456	ug/l		98
90) Hexachloroethane	12.518	117	27438	18.816	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	80764	18.870	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.927	75	11973	19.903	ug/l		95
93) 1,2,4-Trichlorobenzene	13.567	180	48957	17.600	ug/l		98
94) Hexachlorobutadiene	13.707	225	17769	18.806	ug/l		99
95) Naphthalene	13.756	128	153884	18.167	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	47416	18.324	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047873.D
Acq On : 29 Sep 2025 11:26
Operator : JC/MD
Sample : VX0929WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Quant Time: Sep 30 01:16:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

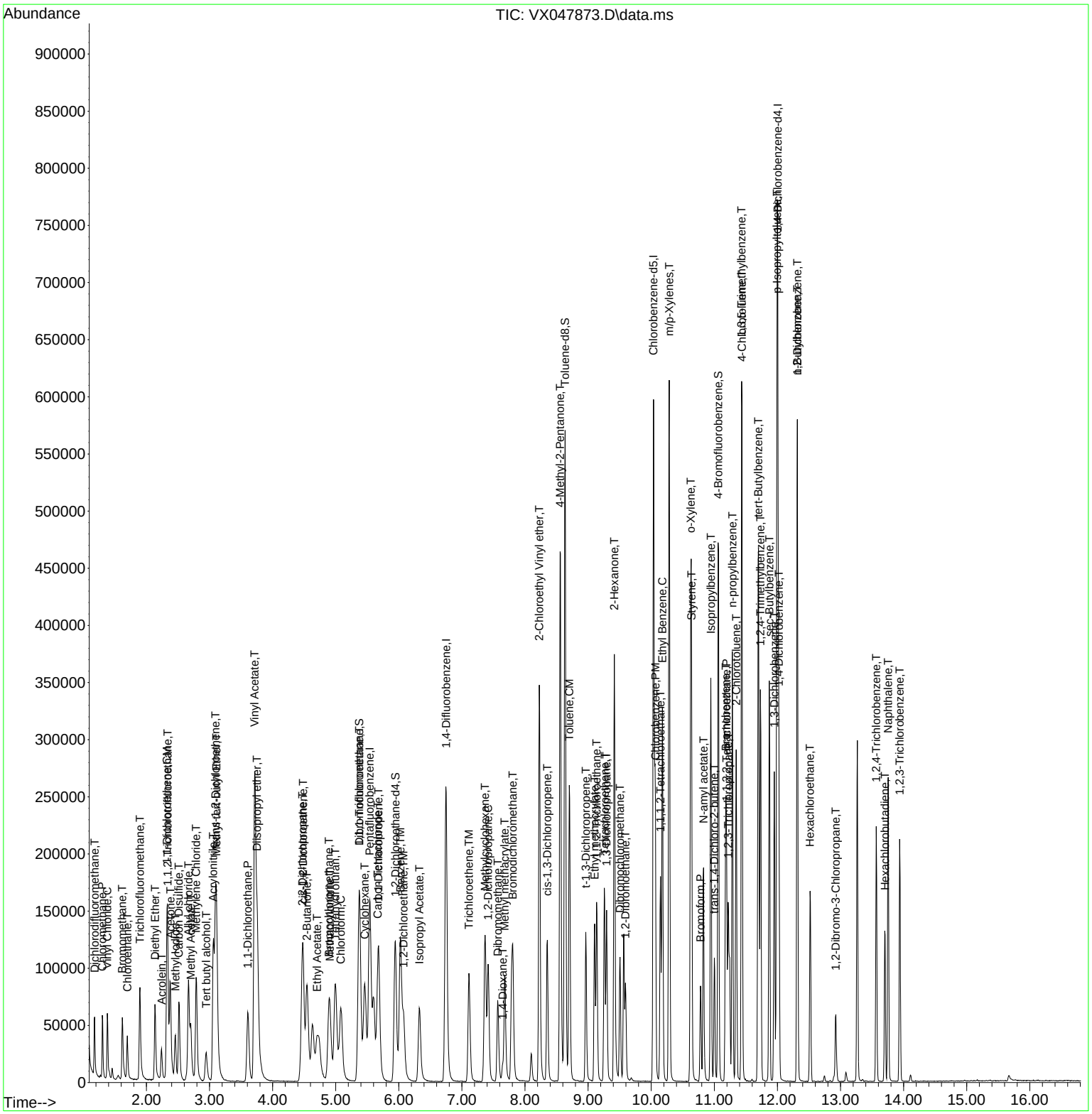
(#) = qualifier out of range (m) = manual integration (+) = signals summed

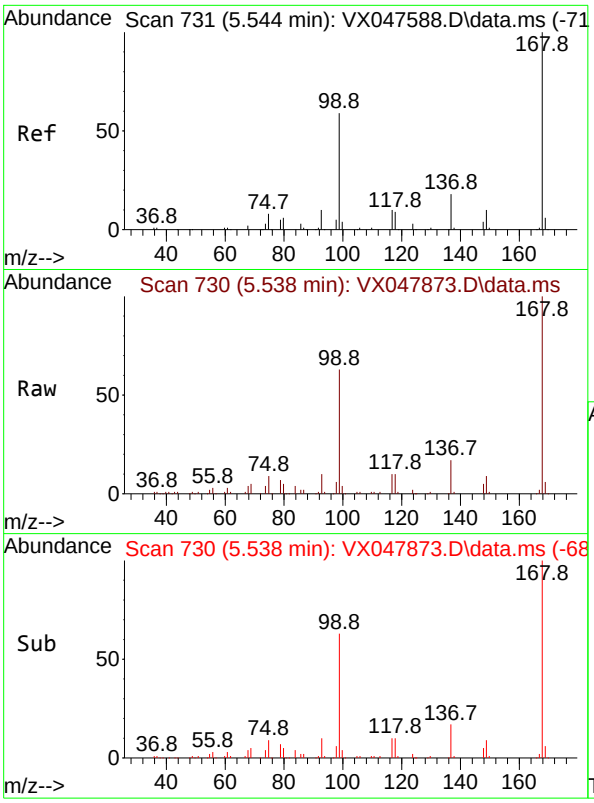
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047873.D
Acq On : 29 Sep 2025 11:26
Operator : JC/MD
Sample : VX0929WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Quant Time: Sep 30 01:16:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



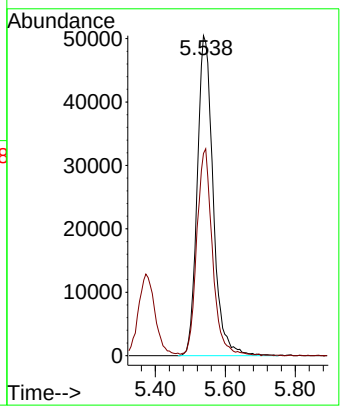


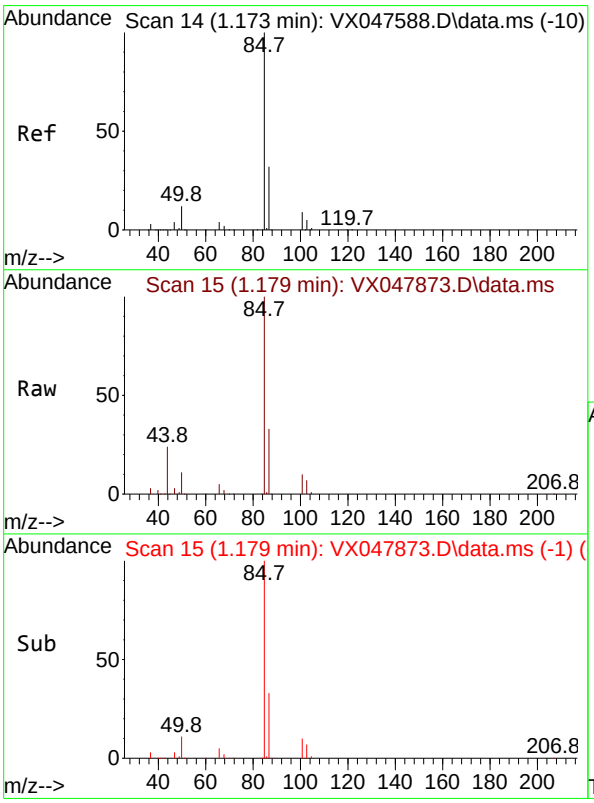
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion:168 Resp: 159091

Ion	Ratio	Lower	Upper
168	100		
99	63.1	48.8	73.2

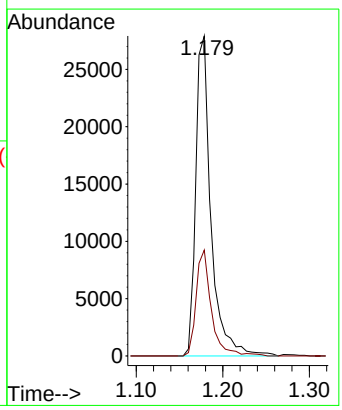


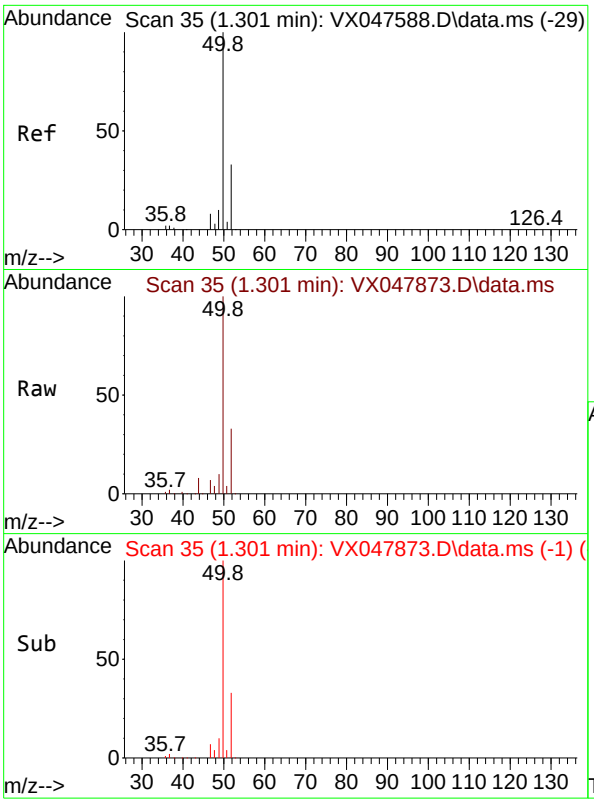


#2
Dichlorodifluoromethane
Concen: 20.690 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 85 Resp: 34085

Ion	Ratio	Lower	Upper
85	100		
87	33.1	15.8	47.3



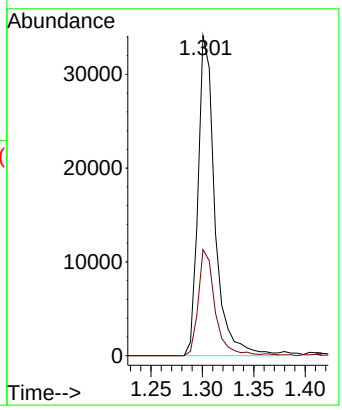


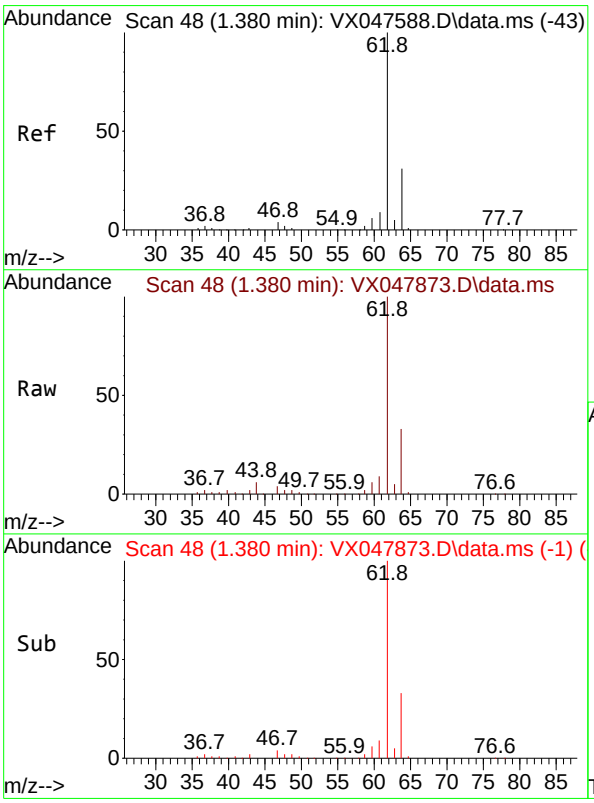
#3
Chloromethane
Concen: 18.021 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion: 50 Resp: 39019

Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.1	39.1

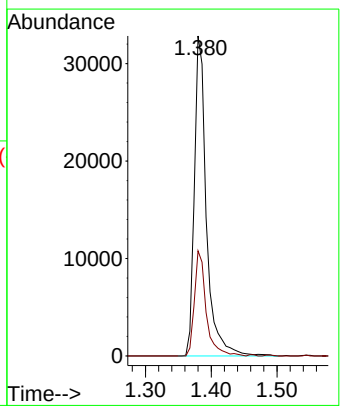


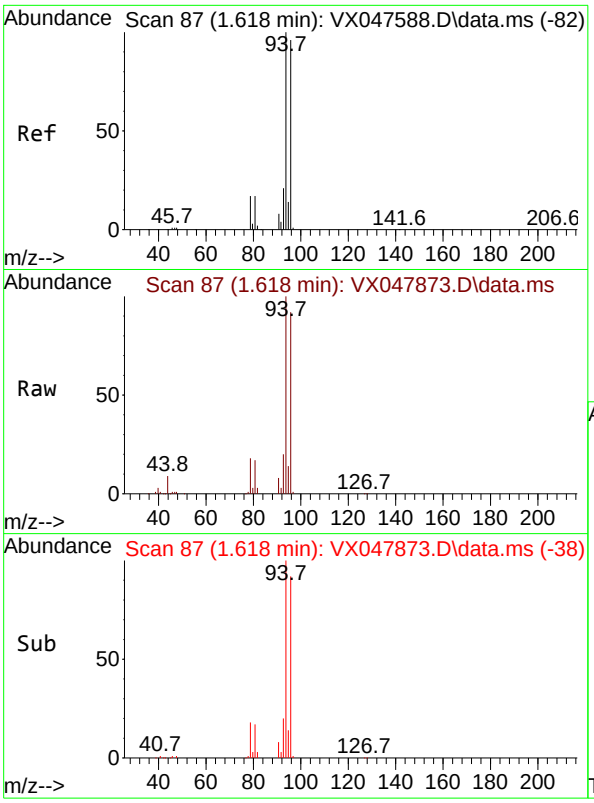


#4
Vinyl Chloride
Concen: 19.590 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 62 Resp: 41519

Ion	Ratio	Lower	Upper
62	100		
64	32.9	24.9	37.3



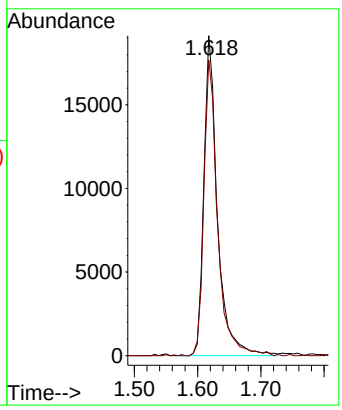


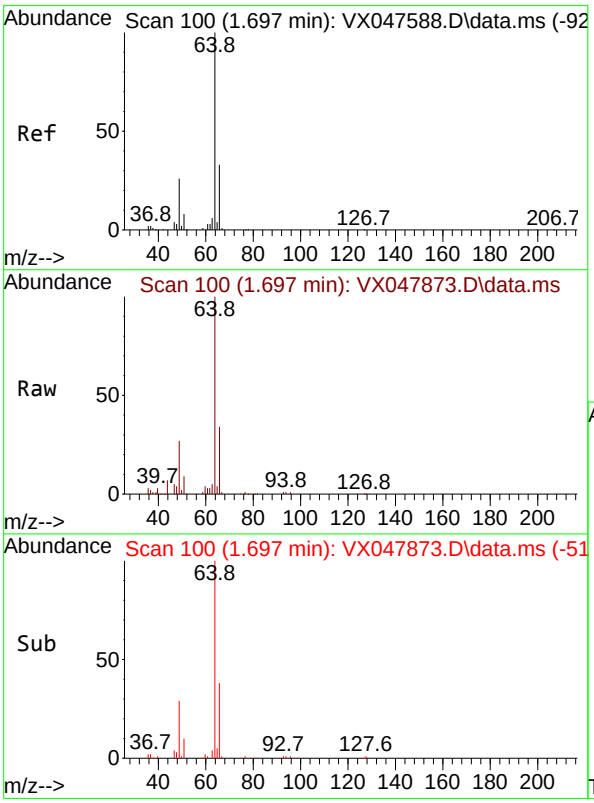
#5
Bromomethane
Concen: 21.236 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion: 94 Resp: 28541

Ion	Ratio	Lower	Upper
94	100		
96	92.4	76.6	115.0

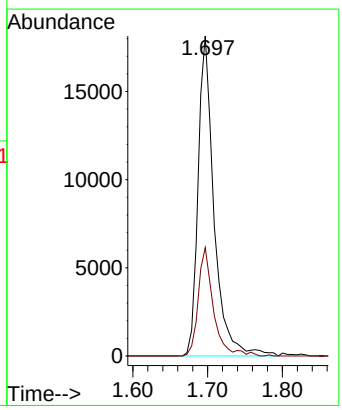


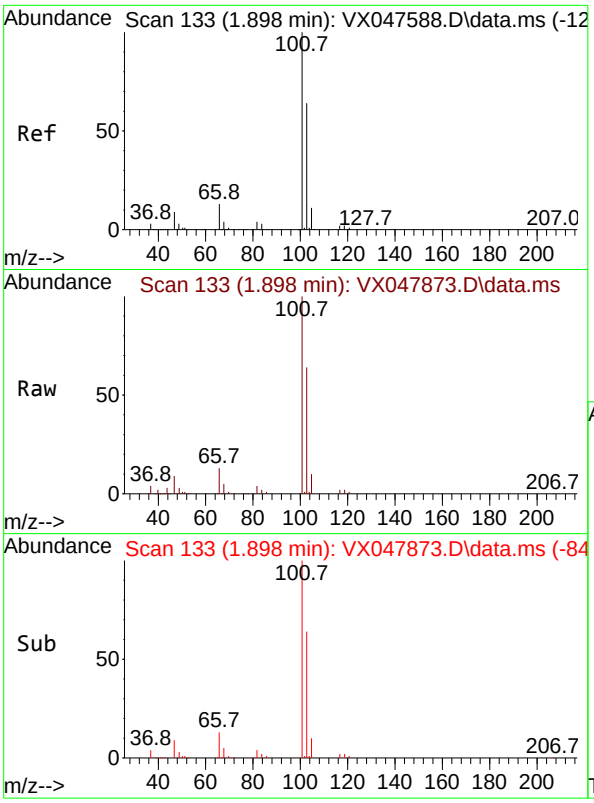


#6
Chloroethane
Concen: 18.908 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 64 Resp: 26784

Ion	Ratio	Lower	Upper
64	100		
66	33.8	26.1	39.1



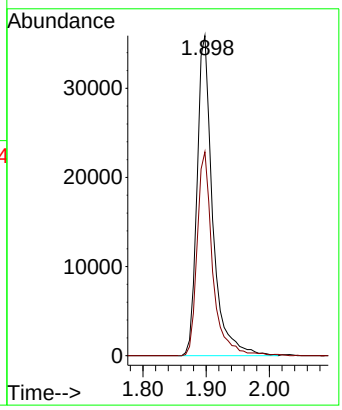


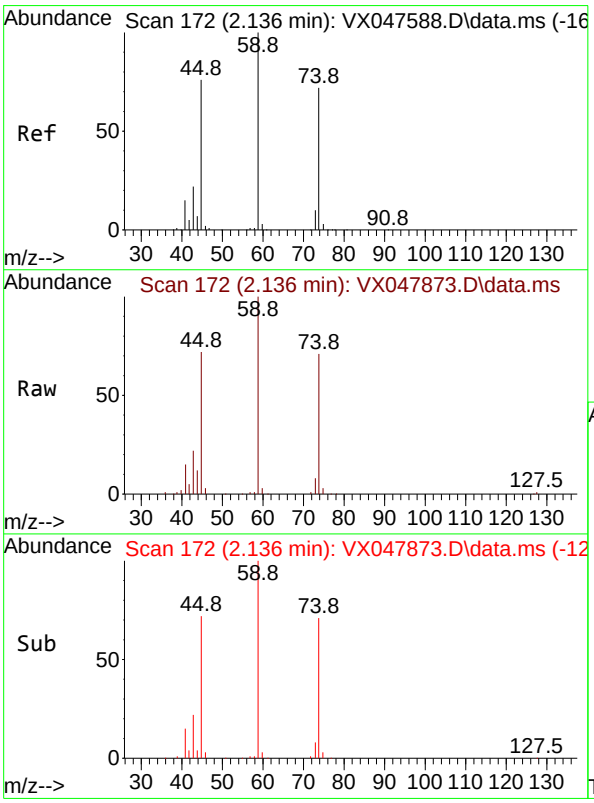
#7
Trichlorofluoromethane
Concen: 19.595 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion:101 Resp: 61665

Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.4	77.2

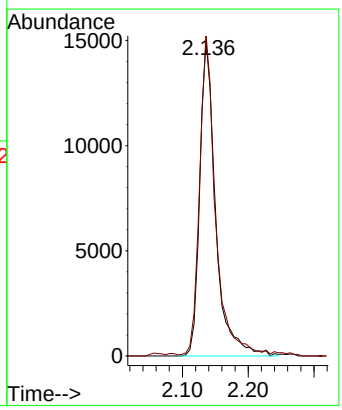


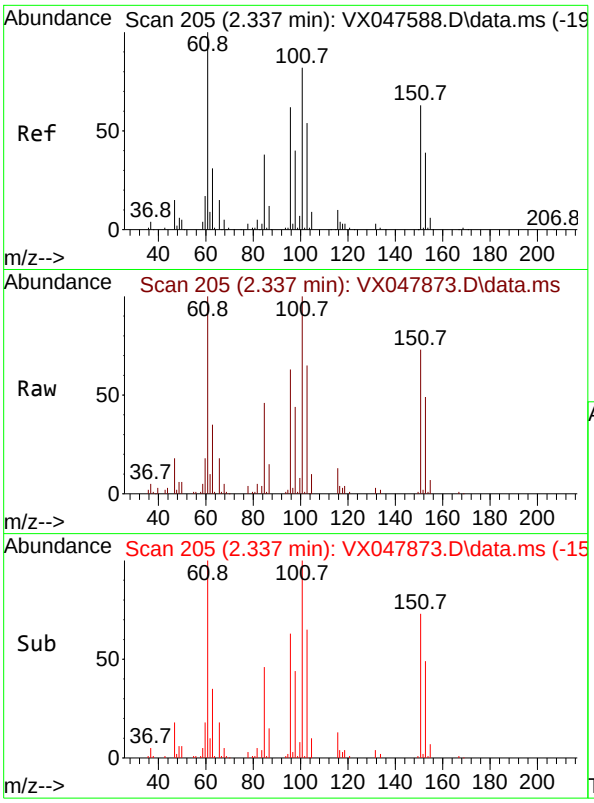


#8
Diethyl Ether
Concen: 19.616 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 74 Resp: 25252

Ion	Ratio	Lower	Upper
74	100		
45	100.6	52.3	156.8



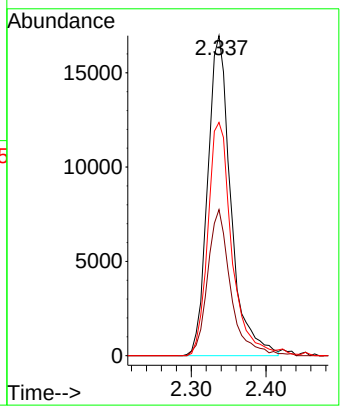


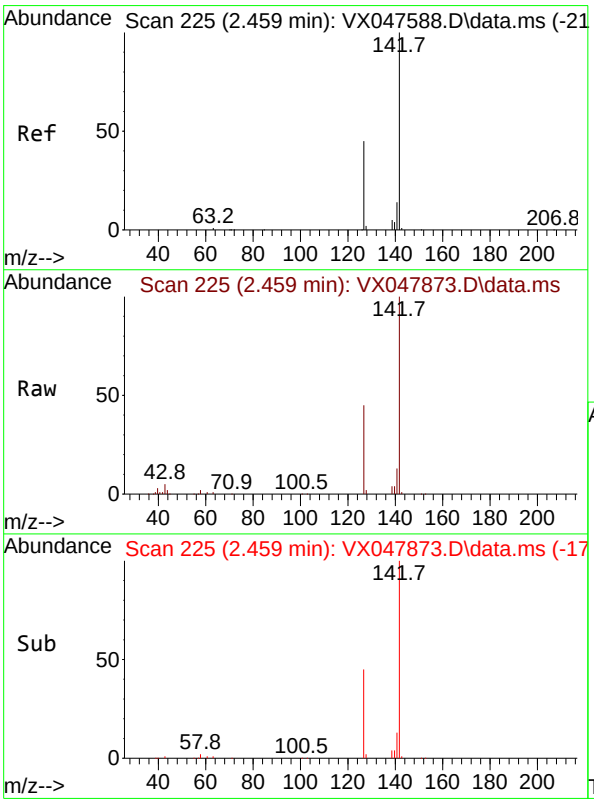
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.925 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion:101 Resp: 36665

Ion	Ratio	Lower	Upper
101	100		
85	45.4	35.5	53.3
151	75.7	59.4	89.0

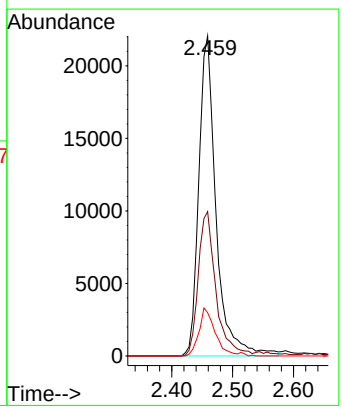


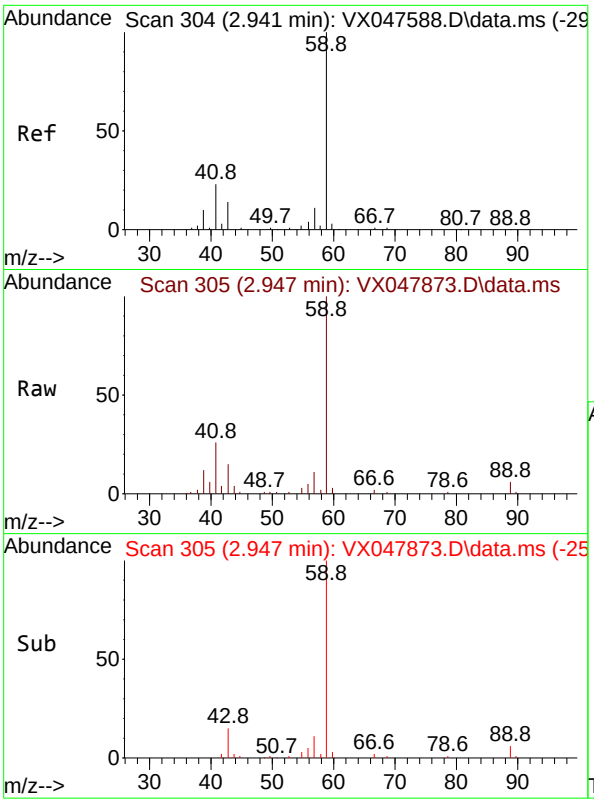


#10
Methyl Iodide
Concen: 15.112 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:142 Resp: 43370

Ion	Ratio	Lower	Upper
142	100		
127	46.0	37.2	55.8
141	14.3	11.4	17.0



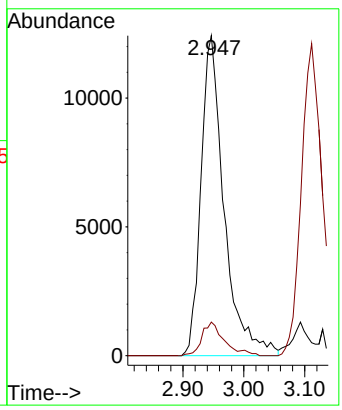


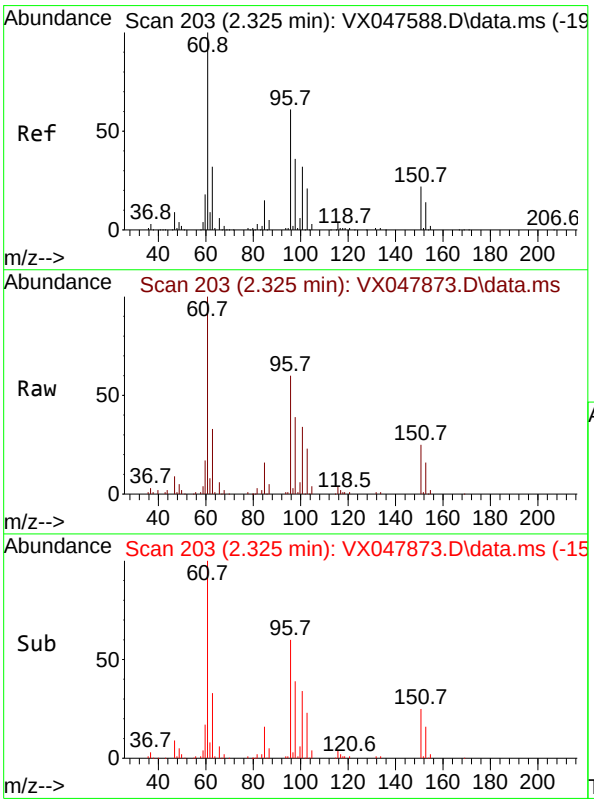
#11
Tert butyl alcohol
Concen: 115.773 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion: 59 Resp: 32652

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5

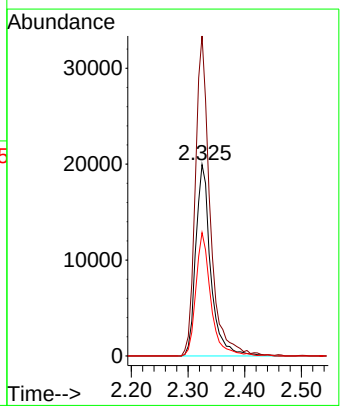


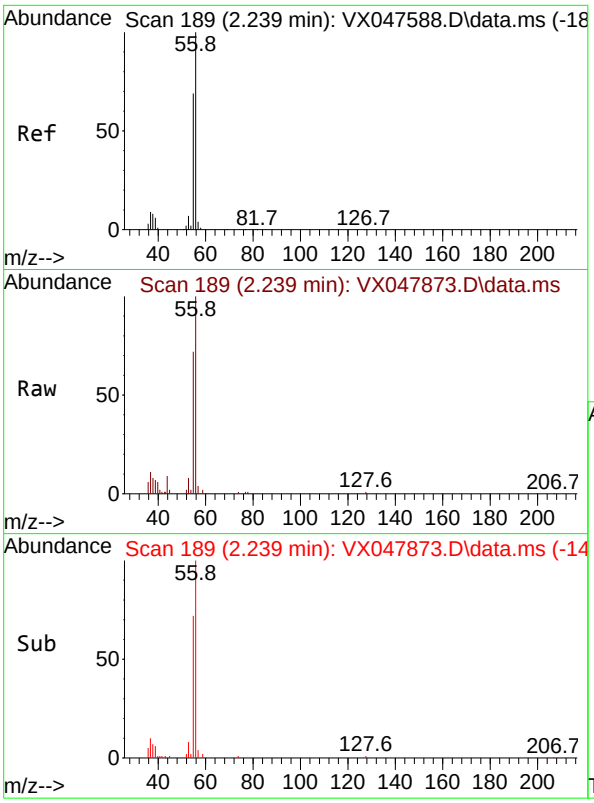


#12
1,1-Dichloroethene
Concen: 19.281 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 96 Resp: 36445

Ion	Ratio	Lower	Upper
96	100		
61	167.2	131.0	196.6
98	64.5	47.7	71.5



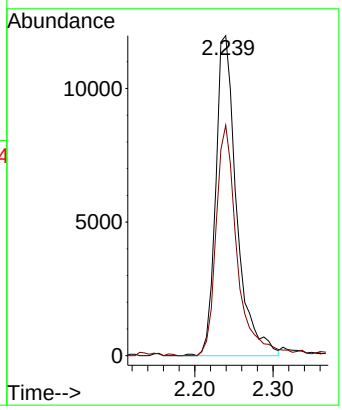


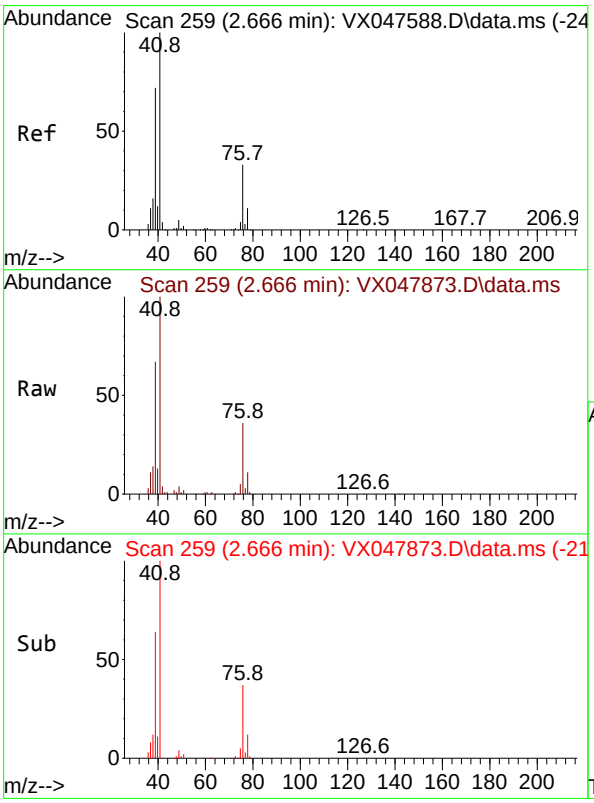
#13
Acrolein
Concen: 85.506 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion: 56 Resp: 22223

Ion	Ratio	Lower	Upper
56	100		
55	73.2	57.2	85.8

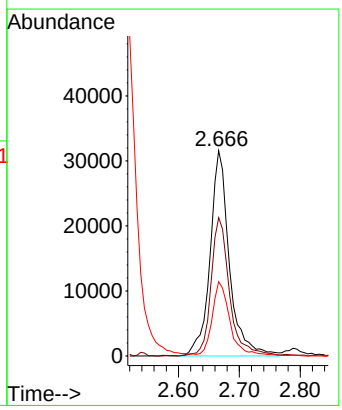


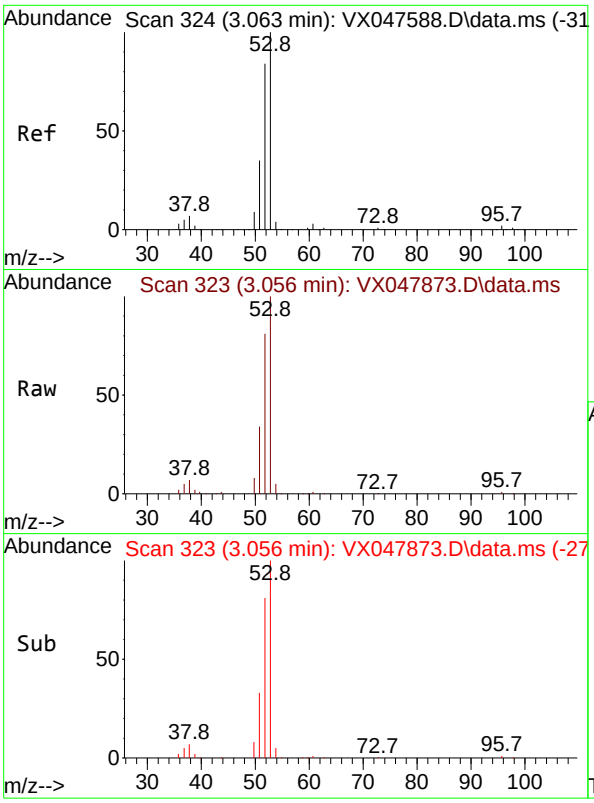


#14
Allyl chloride
Concen: 17.866 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 41 Resp: 69685

Ion	Ratio	Lower	Upper
41	100		
39	64.4	54.7	82.1
76	32.6	25.7	38.5



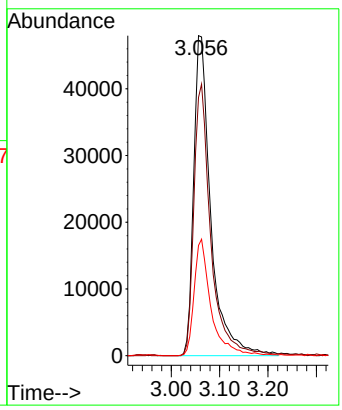


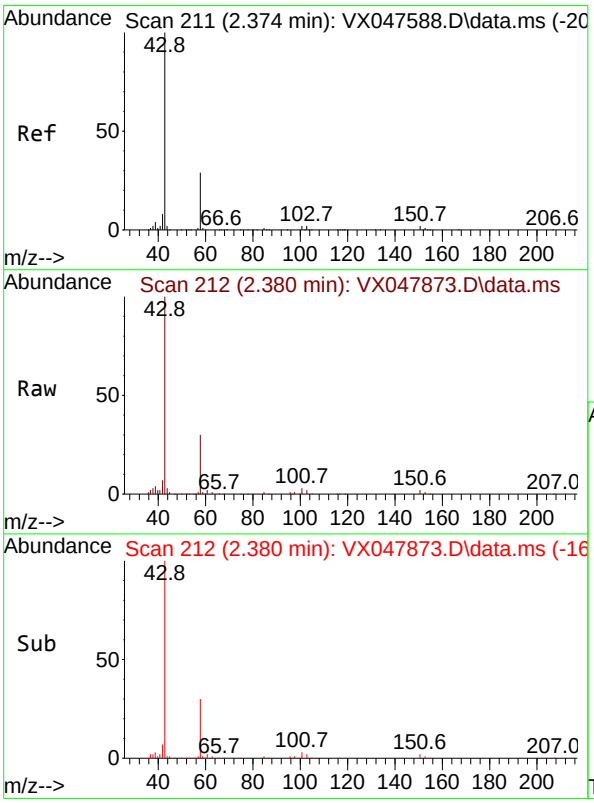
#15
Acrylonitrile
Concen: 113.014 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion: 53 Resp: 118062

Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.4	99.6
51	36.1	29.5	44.3

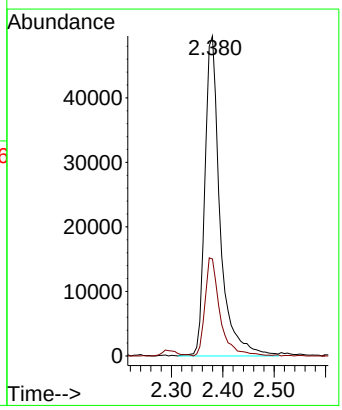


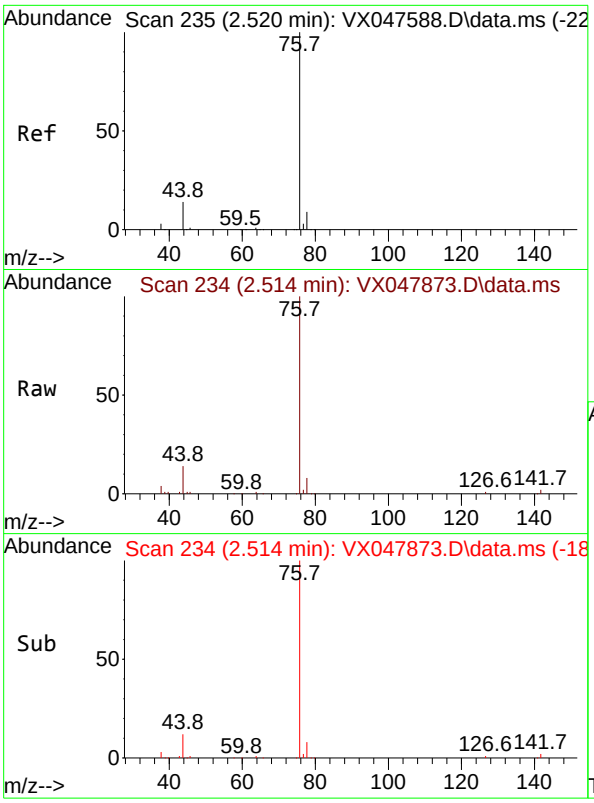


#16
Acetone
Concen: 92.460 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 43 Resp: 101804

Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.4	35.0



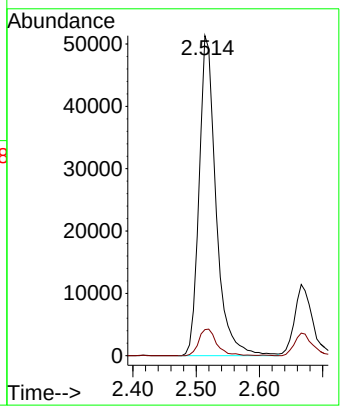


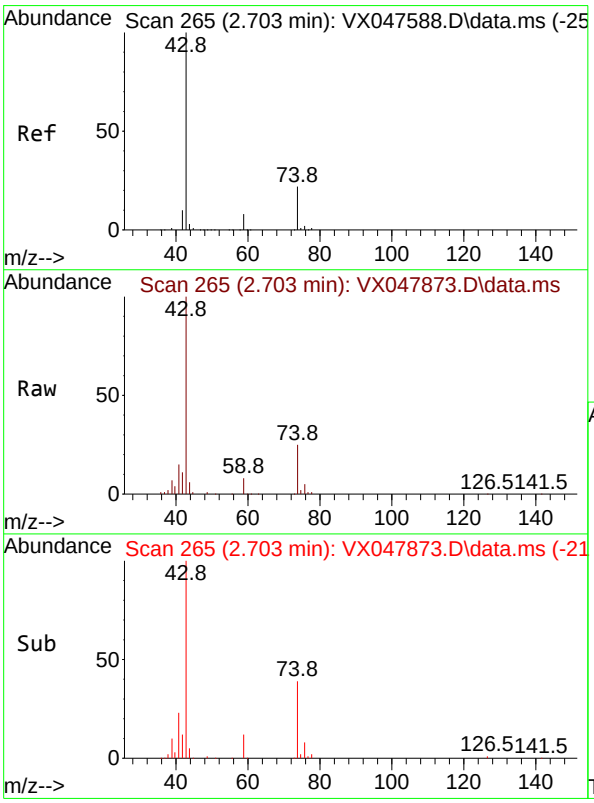
#17
Carbon Disulfide
Concen: 18.495 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion: 76 Resp: 95701

Ion	Ratio	Lower	Upper
76	100		
78	8.1	6.8	10.2

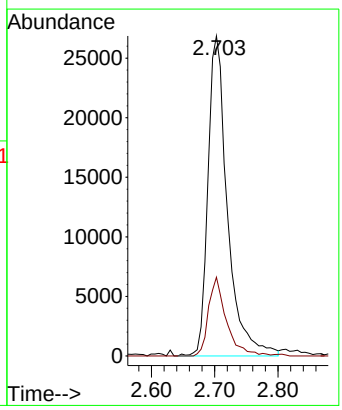


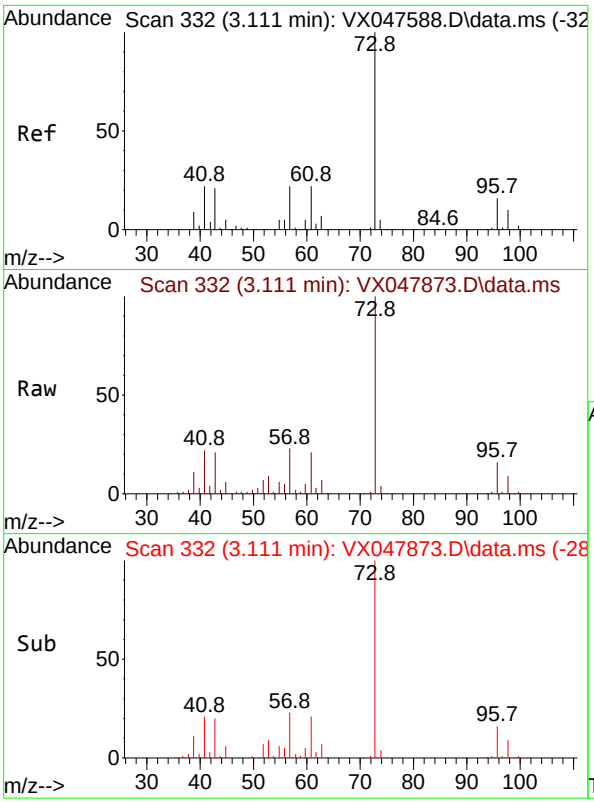


#18
Methyl Acetate
Concen: 23.476 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 43 Resp: 57525

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2



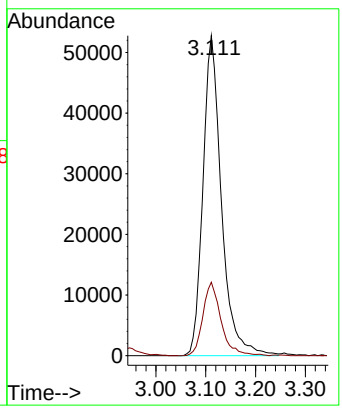


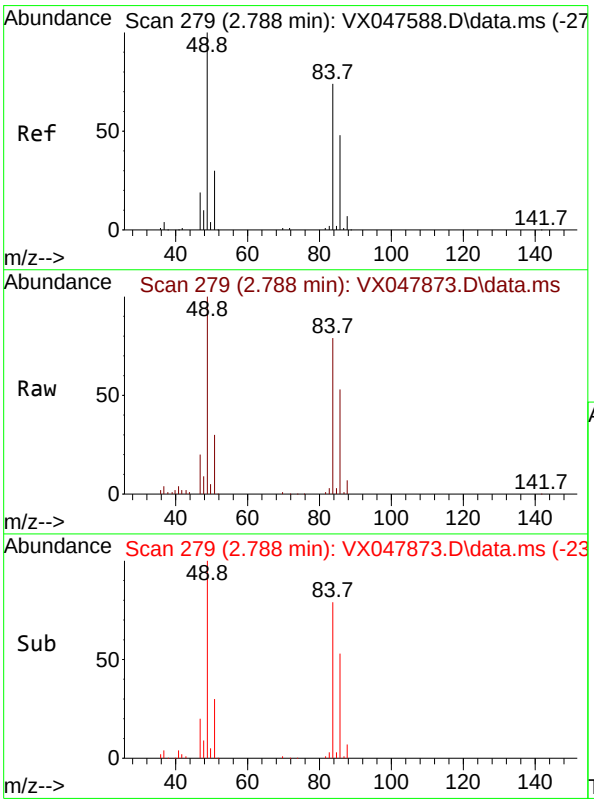
#19
Methyl tert-butyl Ether
Concen: 19.727 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion: 73 Resp: 136117

Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.4	26.2

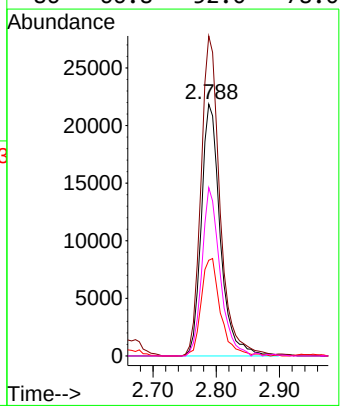


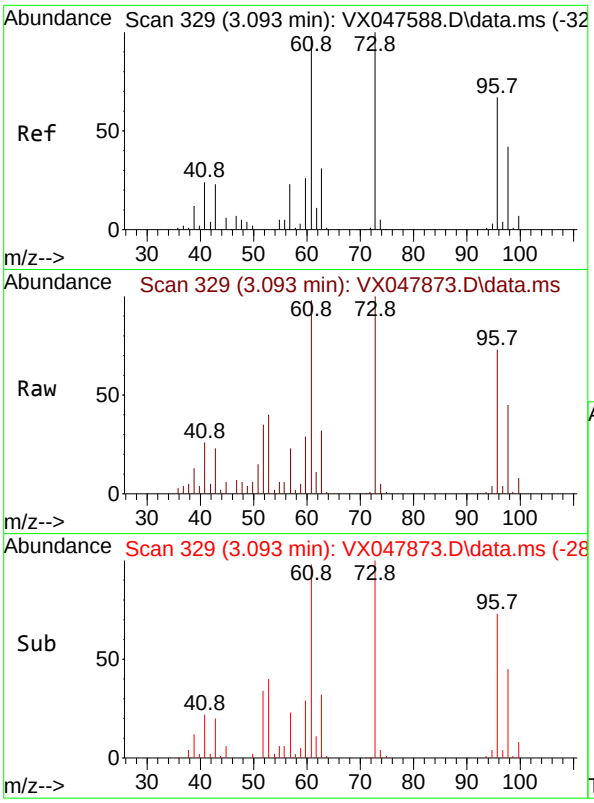


#20
Methylene Chloride
Concen: 19.596 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 84 Resp: 45672

Ion	Ratio	Lower	Upper
84	100		
49	127.0	108.6	162.8
51	38.0	32.6	48.8
86	66.8	52.0	78.0



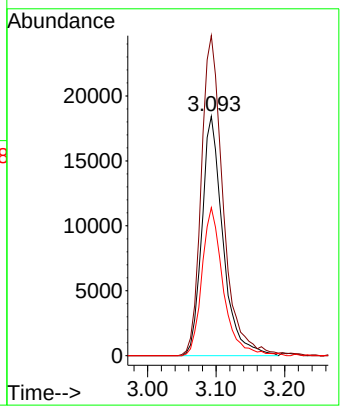


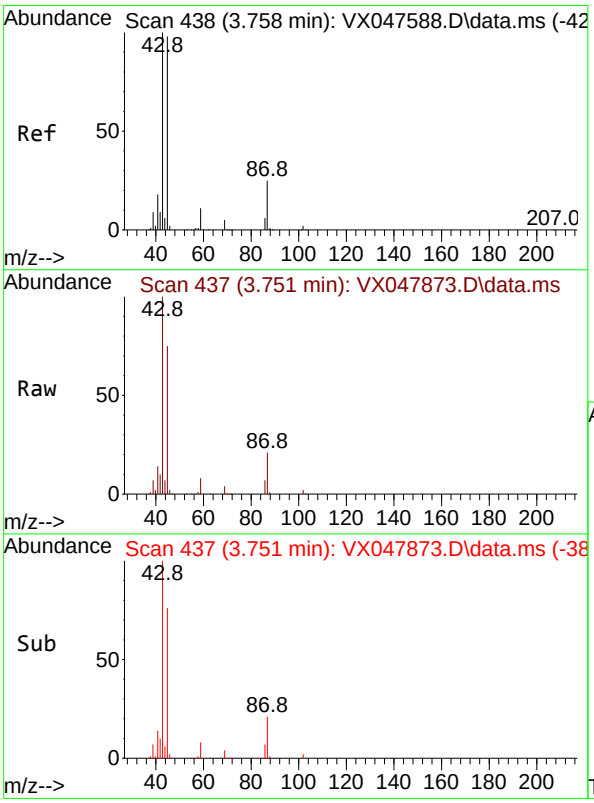
#21
trans-1,2-Dichloroethene
Concen: 19.359 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion: 96 Resp: 39396

Ion	Ratio	Lower	Upper
96	100		
61	133.7	116.2	174.2
98	63.8	49.3	73.9

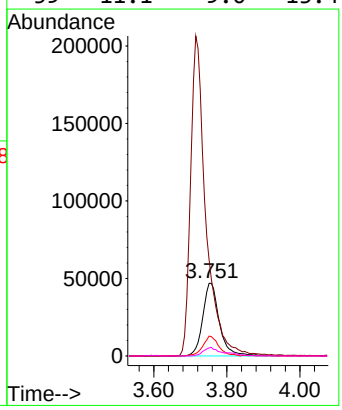


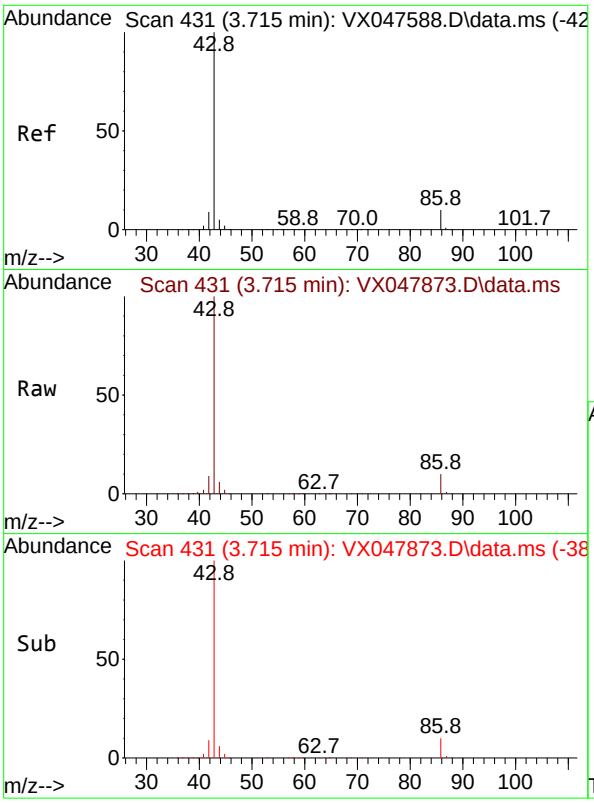


#22
Diisopropyl ether
Concen: 19.565 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 45 Resp: 147892

Ion	Ratio	Lower	Upper
45	100		
43	132.3	81.0	121.4#
87	27.3	20.3	30.5
59	11.1	9.0	13.4



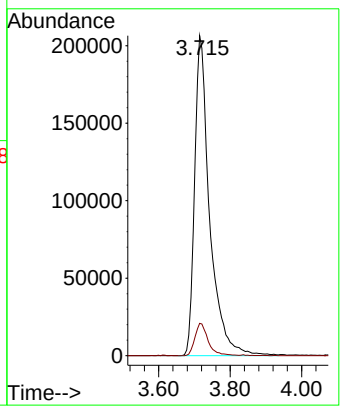


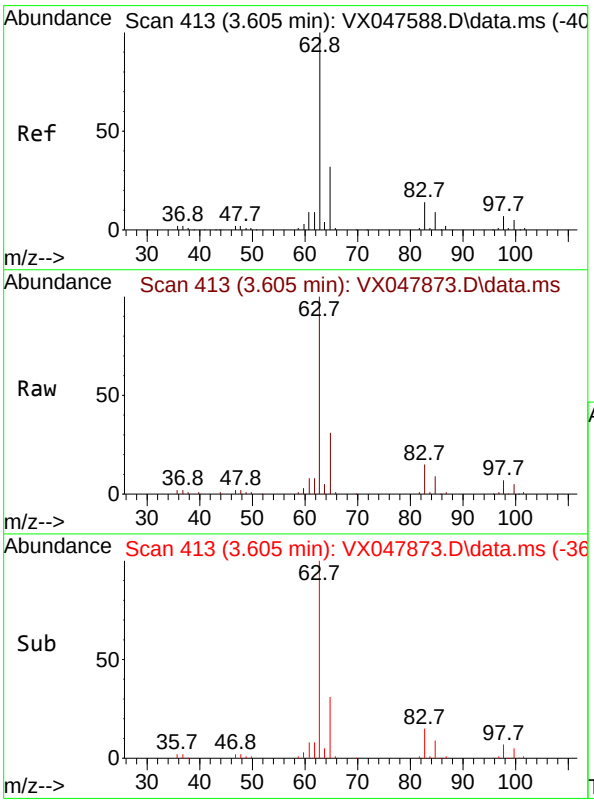
#23
Vinyl Acetate
Concen: 99.657 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion: 43 Resp: 602914

Ion	Ratio	Lower	Upper
43	100		
86	10.1	7.8	11.8

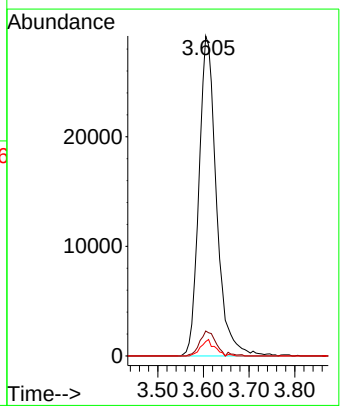


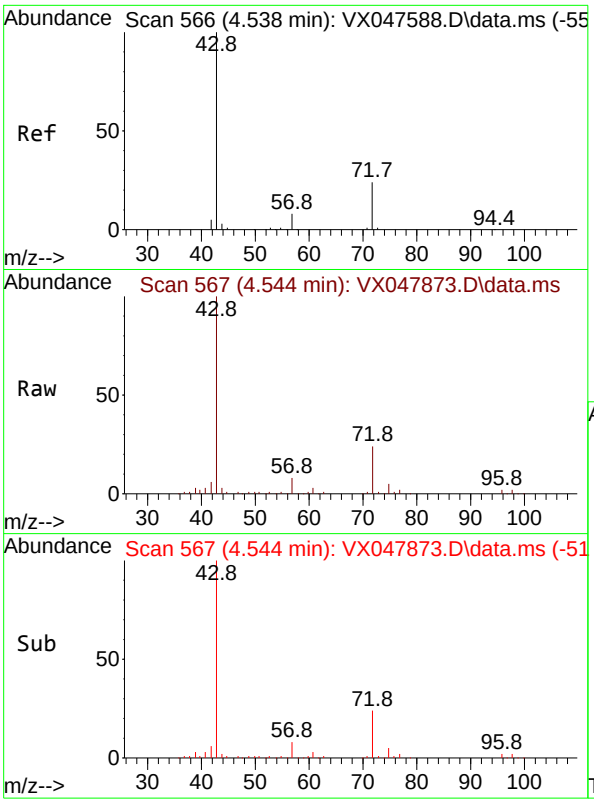


#24
1,1-Dichloroethane
Concen: 19.312 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 63 Resp: 77590

Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.8	11.2
100	4.7	2.3	6.9



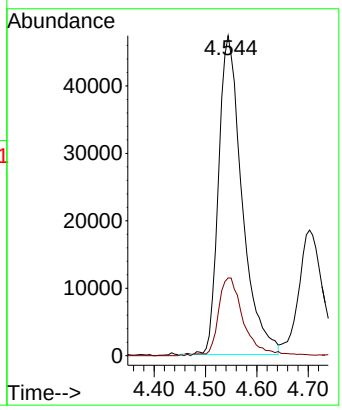


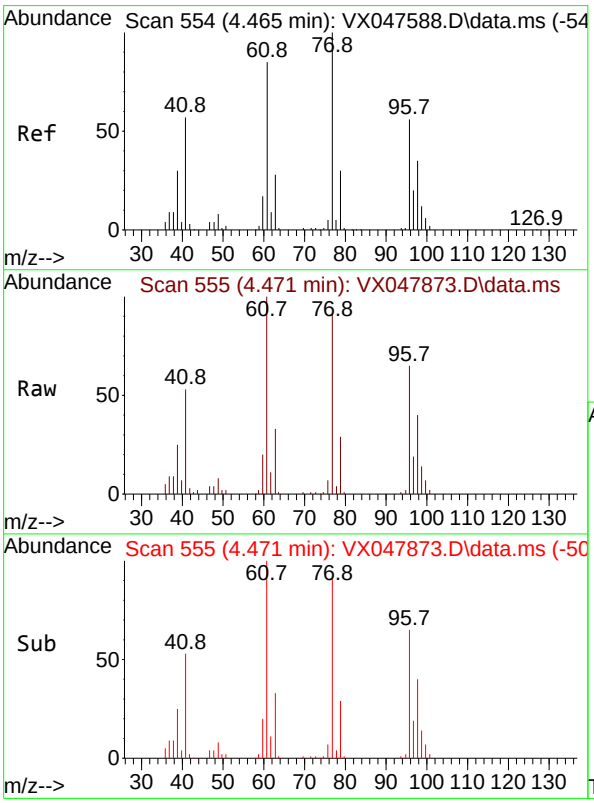
#25
2-Butanone
Concen: 109.158 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion: 43 Resp: 149922

Ion	Ratio	Lower	Upper
43	100		
72	24.3	20.1	30.1

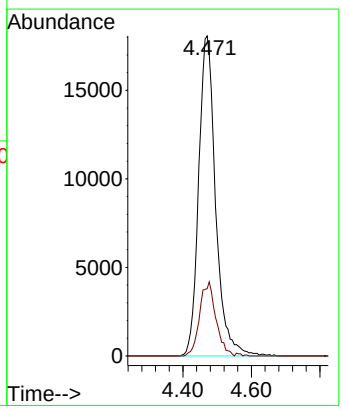


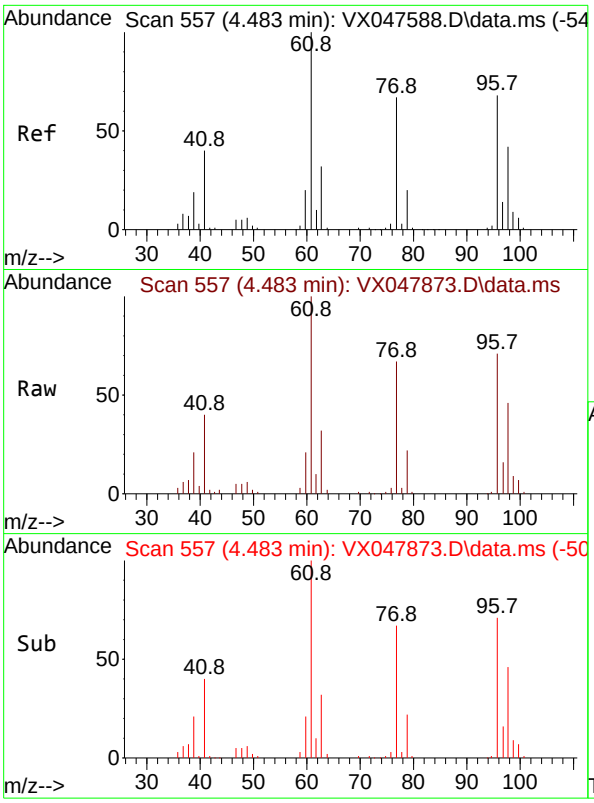


#26
2,2-Dichloropropane
Concen: 18.656 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 77 Resp: 62308

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.9	32.7



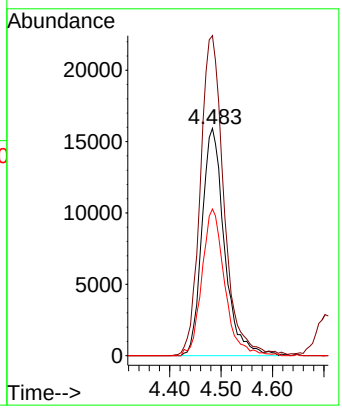


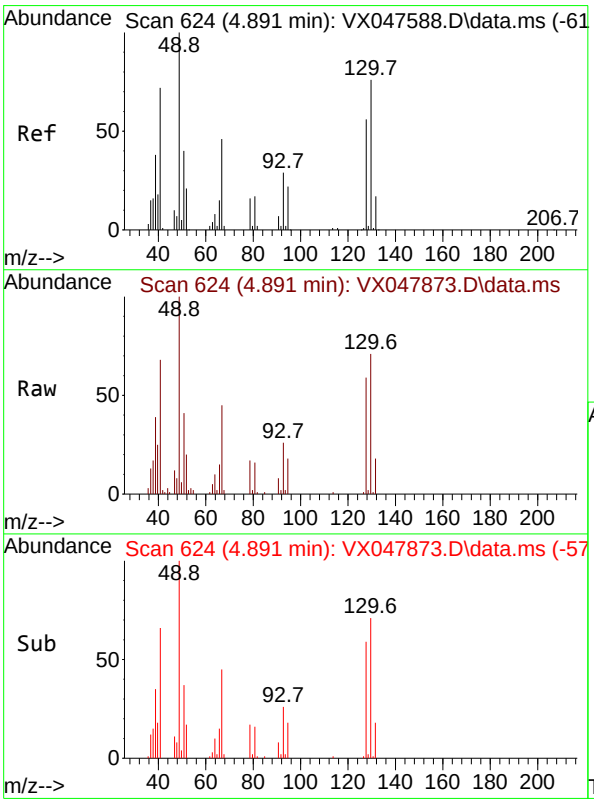
#27
cis-1,2-Dichloroethene
Concen: 19.419 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion: 96 Resp: 48396

Ion	Ratio	Lower	Upper
96	100		
61	147.7	0.0	303.2
98	65.3	0.0	127.8

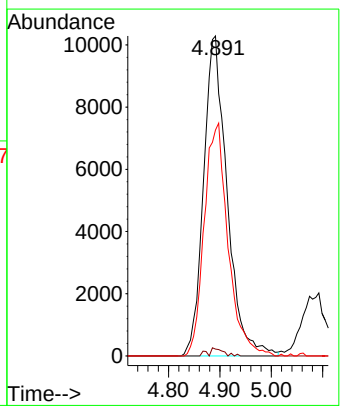


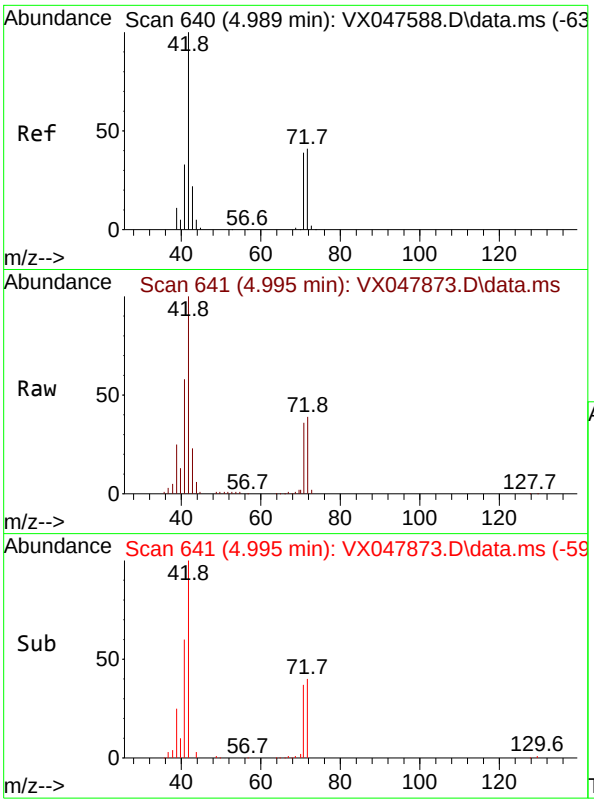


#28
Bromochloromethane
Concen: 18.683 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 49 Resp: 32770

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.2
130	73.6	57.8	86.8



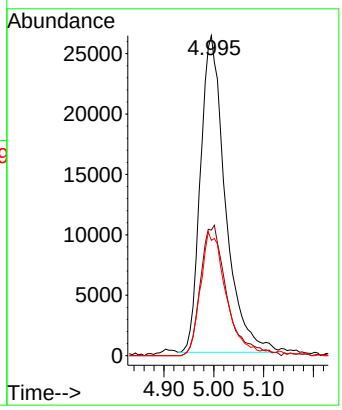


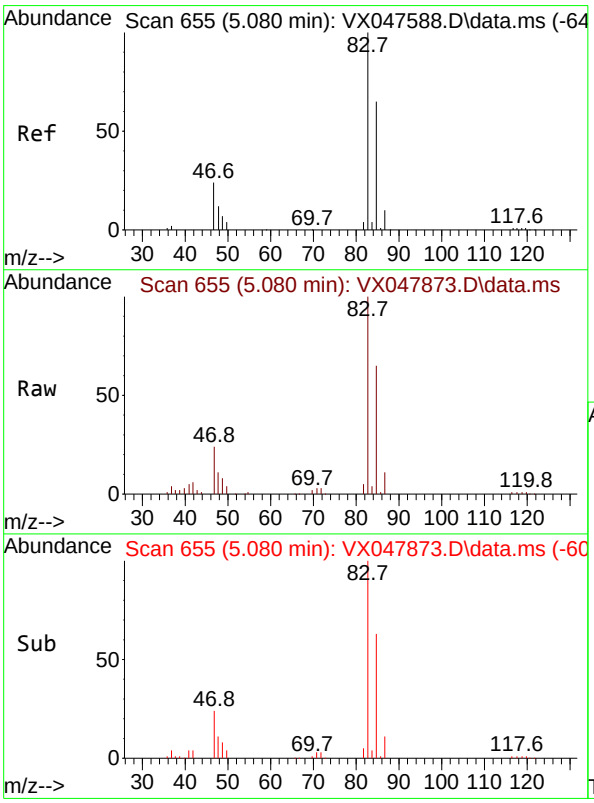
#29
Tetrahydrofuran
Concen: 110.118 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion: 42 Resp: 90983

Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.2	51.2
71	39.9	31.9	47.9

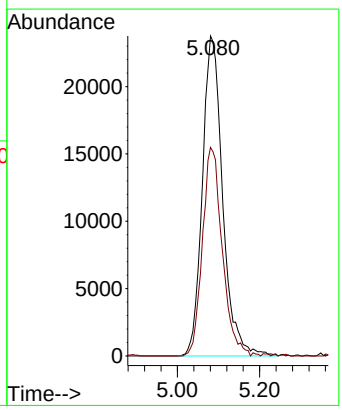


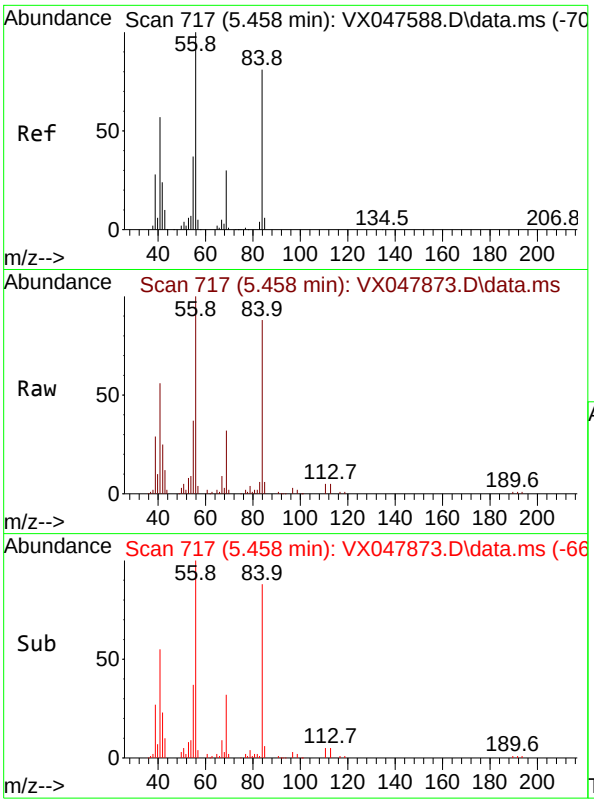


#30
Chloroform
Concen: 20.031 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 83 Resp: 81327

Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.6



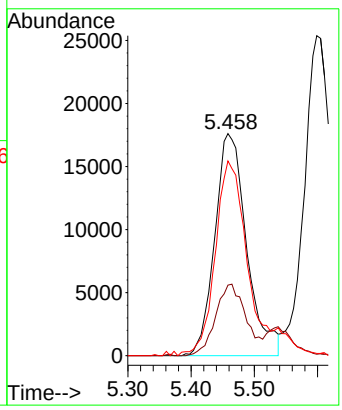


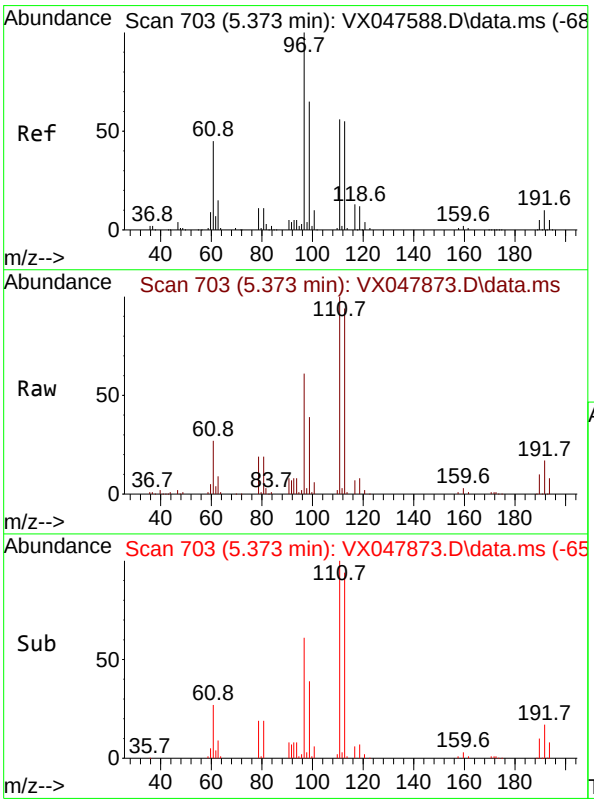
#31
Cyclohexane
Concen: 18.380 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion: 56 Resp: 61505

Ion	Ratio	Lower	Upper
56	100		
69	30.9	23.8	35.8
84	87.7	64.6	97.0

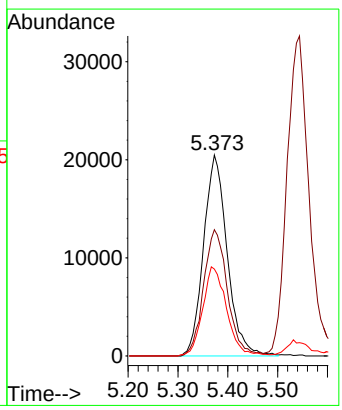


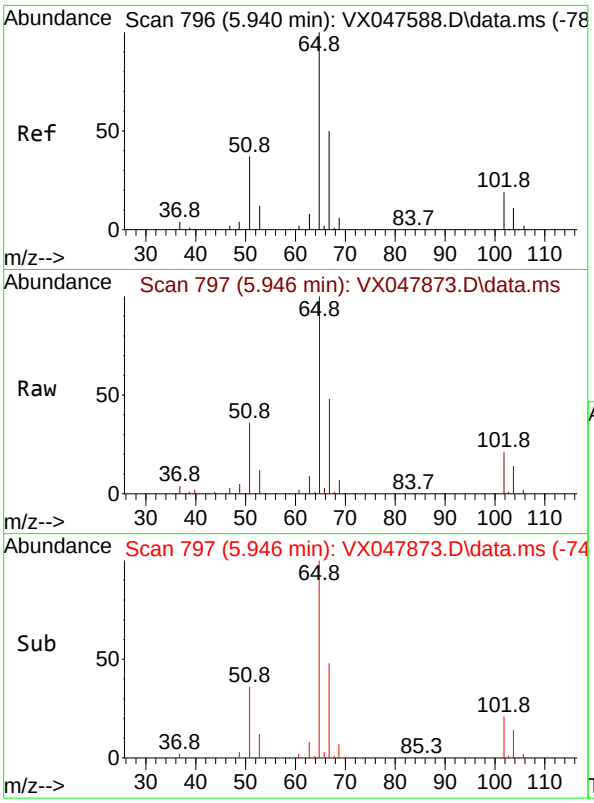


#32
1,1,1-Trichloroethane
Concen: 19.585 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 97 Resp: 67446

Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.6	76.0
61	44.9	35.8	53.8



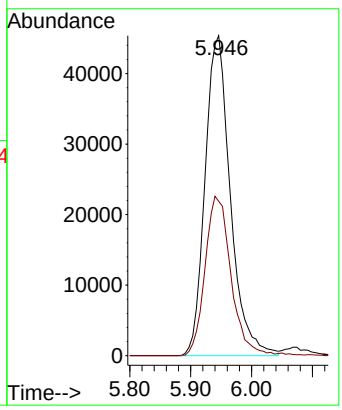


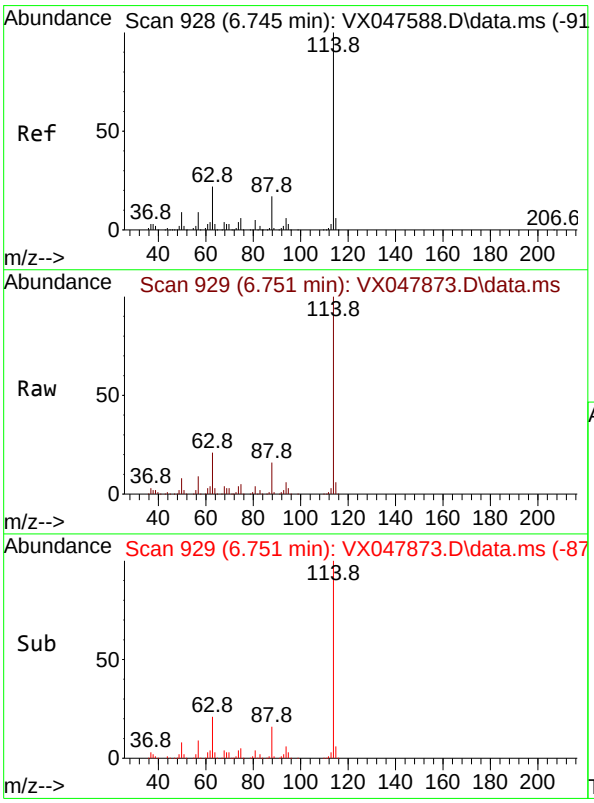
#33
1,2-Dichloroethane-d4
Concen: 51.724 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion: 65 Resp: 130982

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	103.0

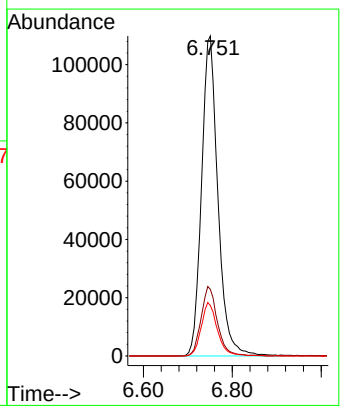


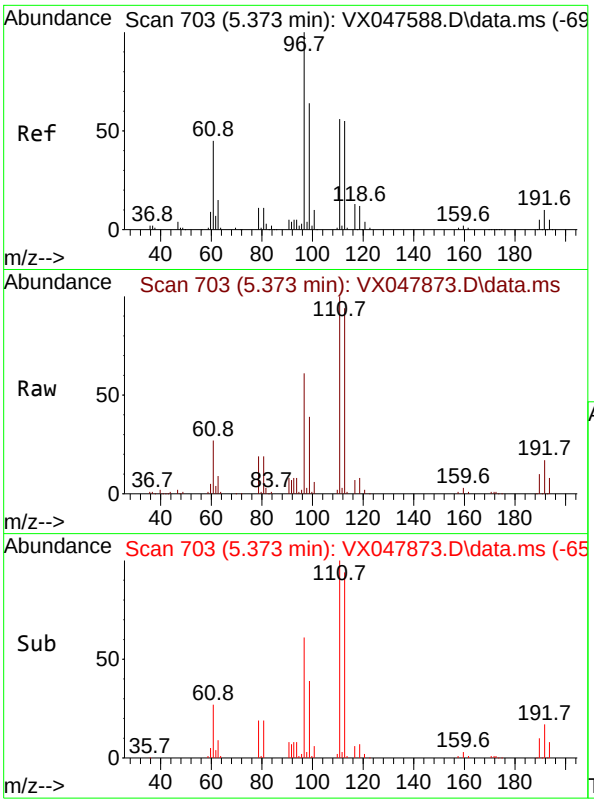


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:114 Resp: 281426

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	44.0
88	15.8	0.0	34.2



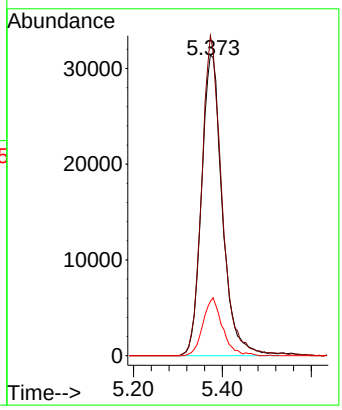


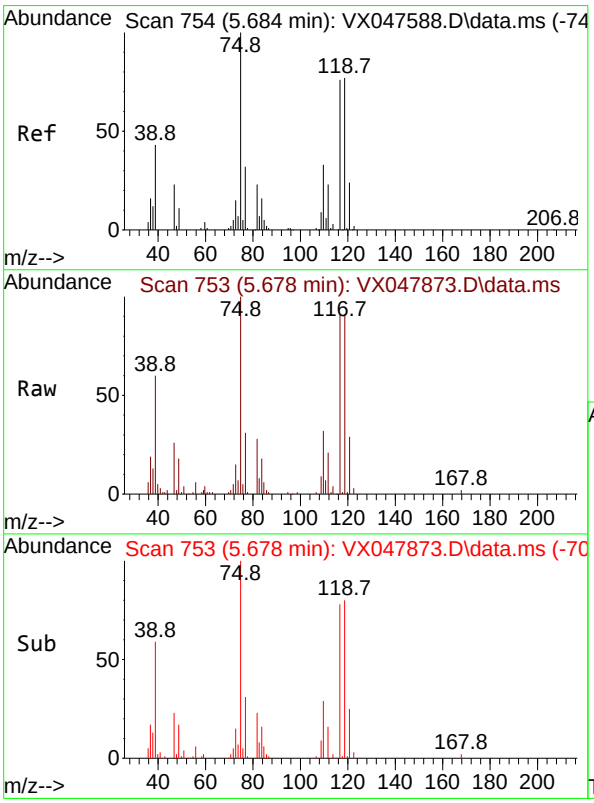
#35
Dibromofluoromethane
Concen: 54.340 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion:113 Resp: 102561

Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.9	121.3
192	18.0	14.2	21.4

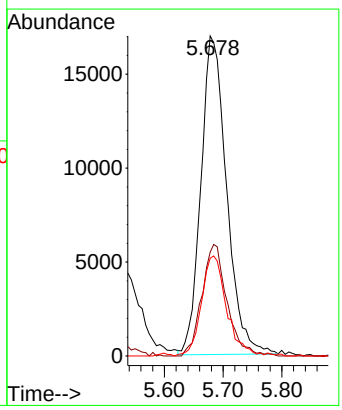


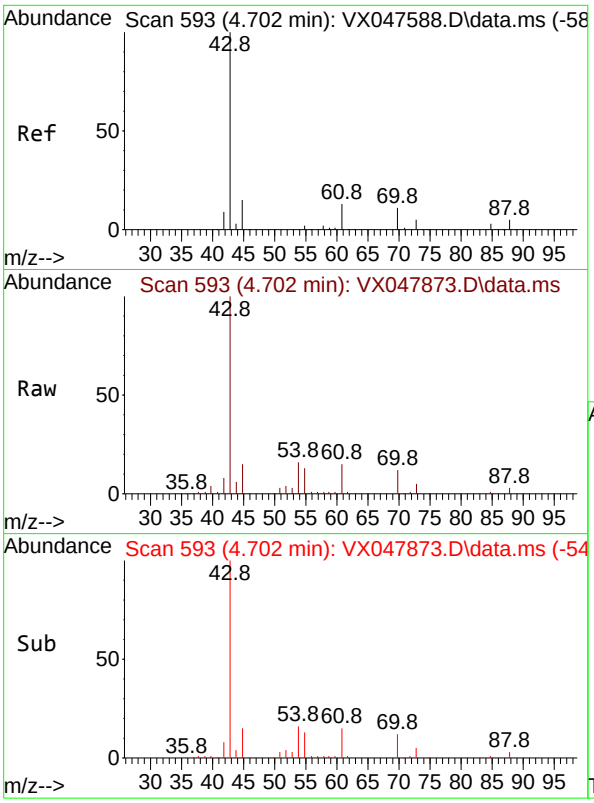


#36
1,1-Dichloropropene
Concen: 18.719 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 75 Resp: 51627

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.7	50.1
77	30.5	24.3	36.5



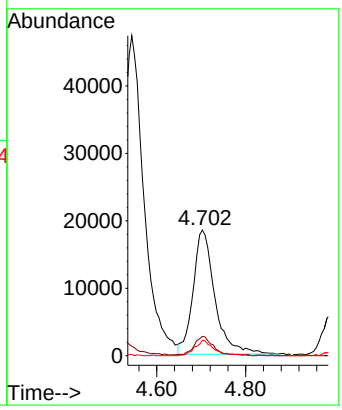


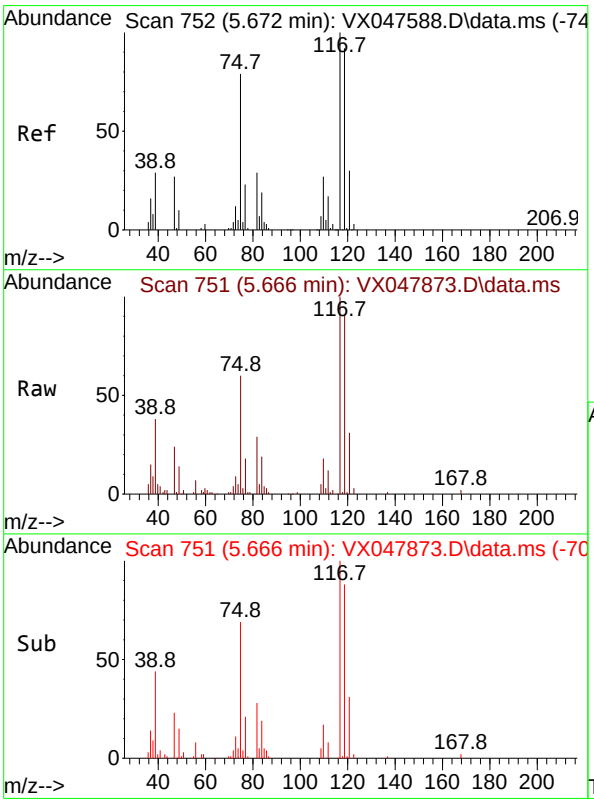
#37
Ethyl Acetate
Concen: 21.260 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion: 43 Resp: 62780

Ion	Ratio	Lower	Upper
43	100		
61	12.7	9.8	14.8
70	10.7	7.9	11.9

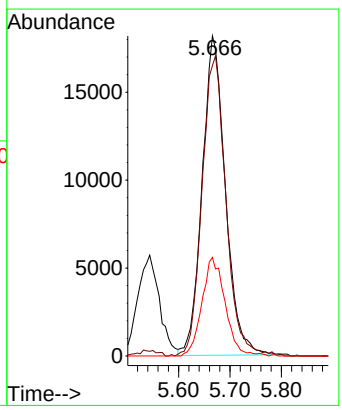


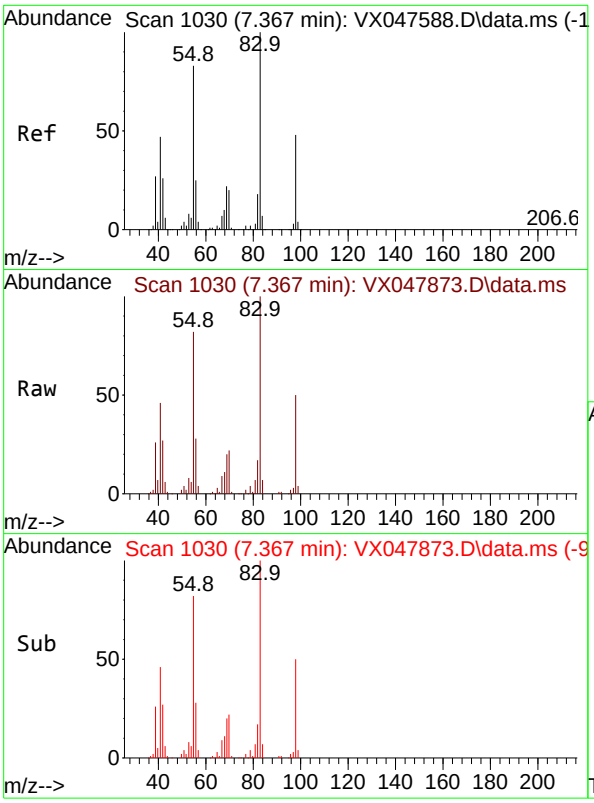


#38
Carbon Tetrachloride
Concen: 19.095 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:117 Resp: 57219

Ion	Ratio	Lower	Upper
117	100		
119	90.5	73.4	110.2
121	30.9	23.8	35.6



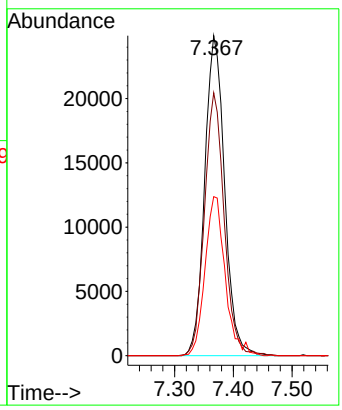


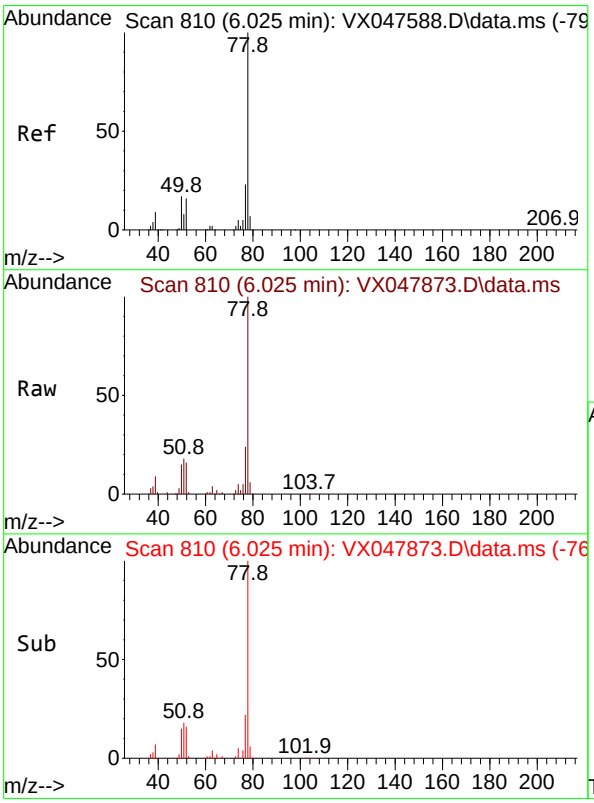
#39
Methylcyclohexane
Concen: 18.725 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion: 83 Resp: 58622

Ion	Ratio	Lower	Upper
83	100		
55	82.1	66.4	99.6
98	49.7	38.1	57.1

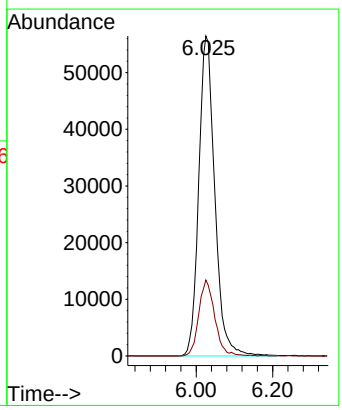


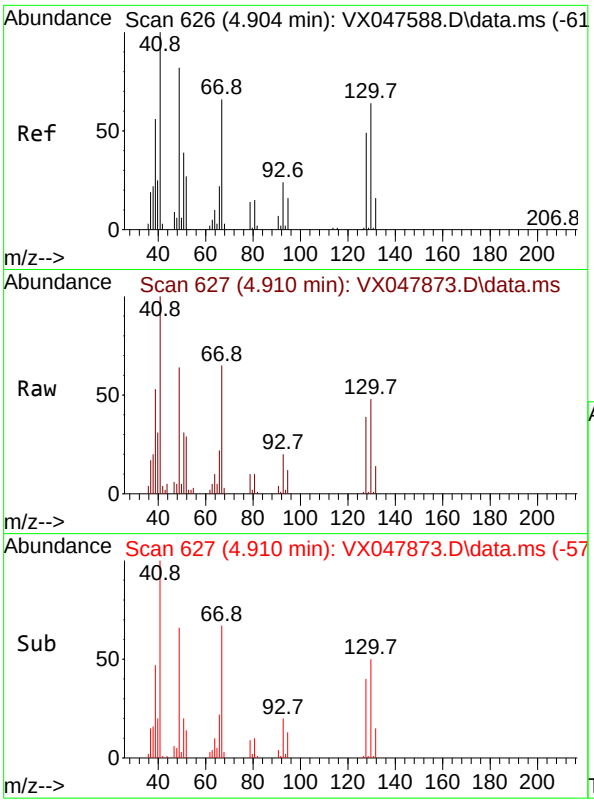


#40
Benzene
Concen: 19.606 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 78 Resp: 164227

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2



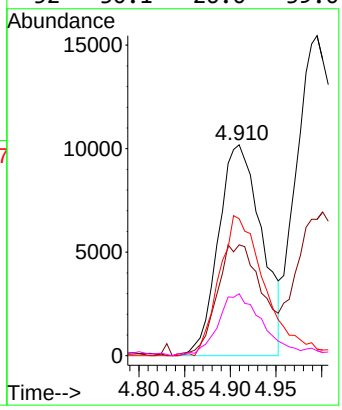


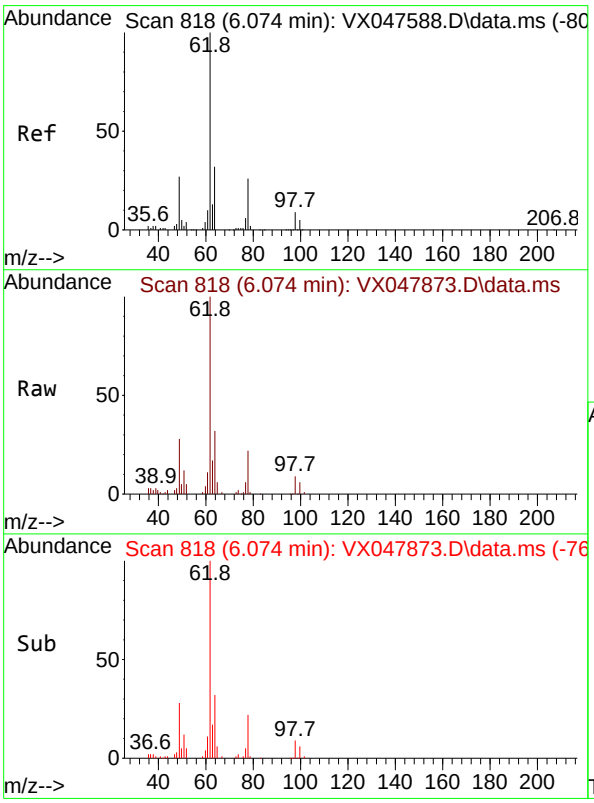
#41
Methacrylonitrile
Concen: 22.027 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion: 41 Resp: 33580

Ion	Ratio	Lower	Upper
41	100		
39	54.4	43.3	64.9
67	71.9	58.6	87.8
52	30.1	26.0	39.0

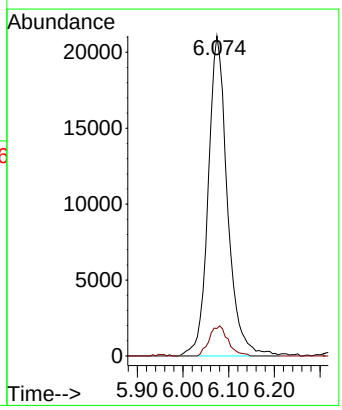


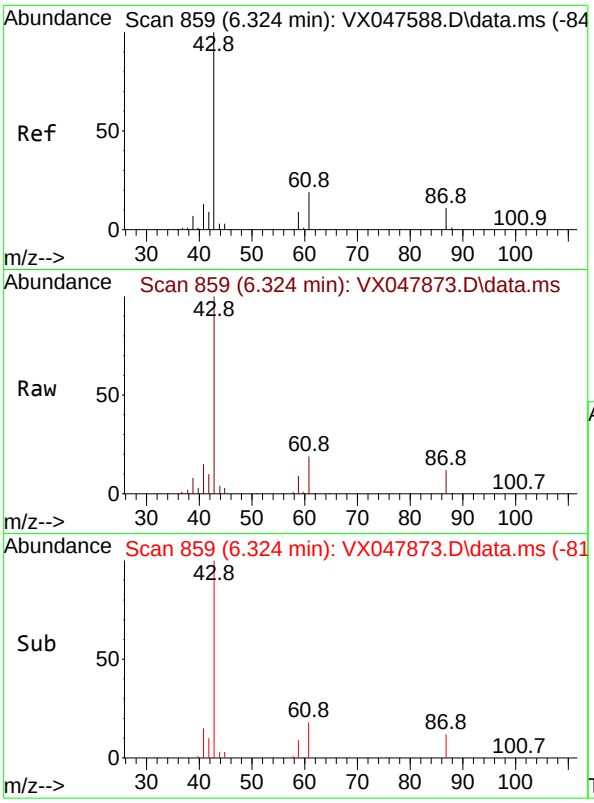


#42
1,2-Dichloroethane
Concen: 19.351 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 62 Resp: 61675

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.0



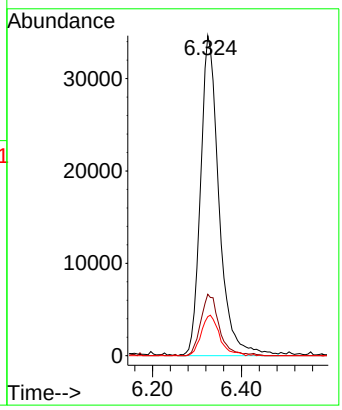


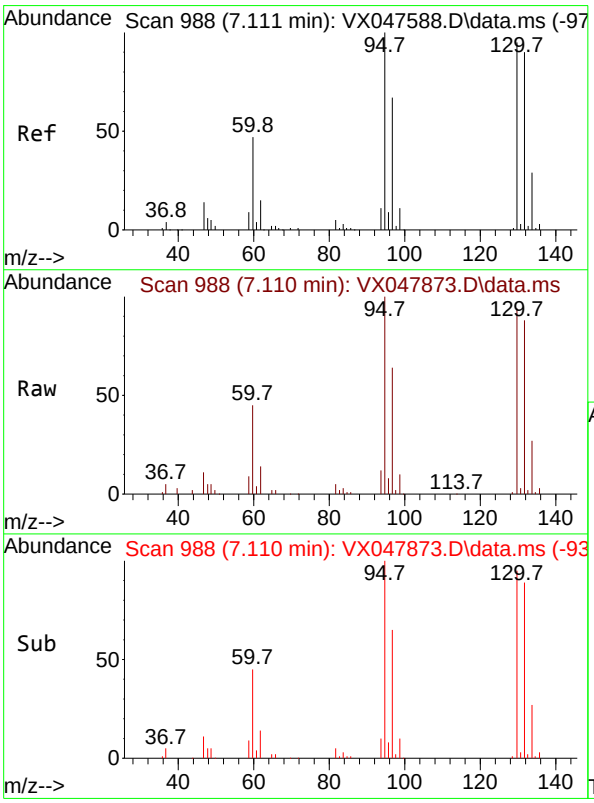
#43
Isopropyl Acetate
Concen: 20.713 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion: 43 Resp: 100312

Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.2	22.8
87	12.6	9.6	14.4

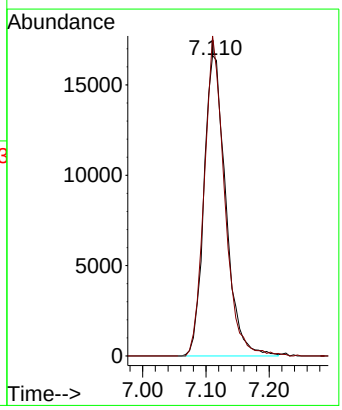


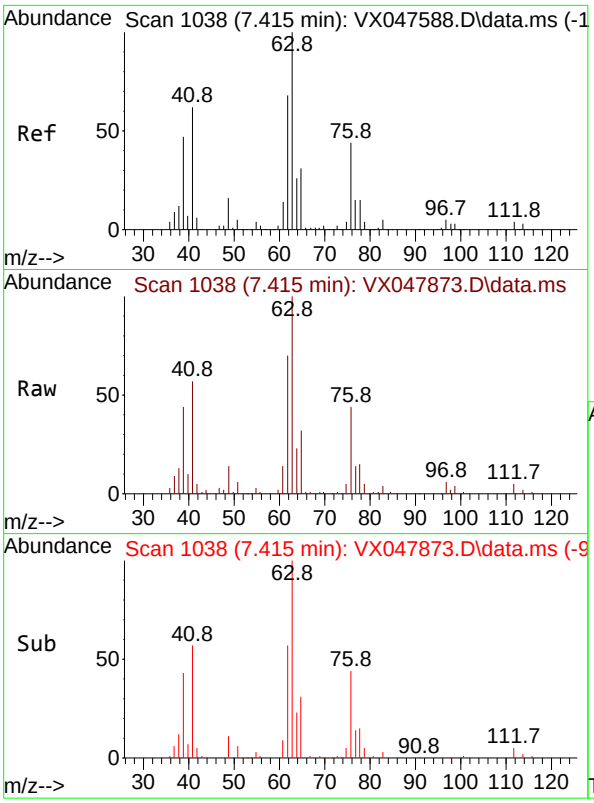


#44
Trichloroethene
Concen: 19.734 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:130 Resp: 39965

Ion	Ratio	Lower	Upper
130	100		
95	106.4	0.0	210.8



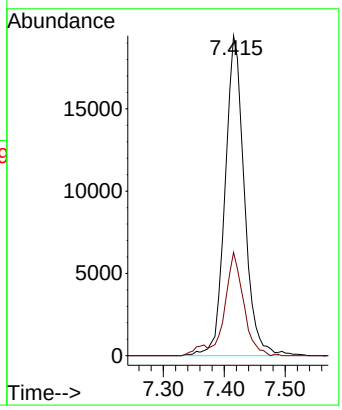


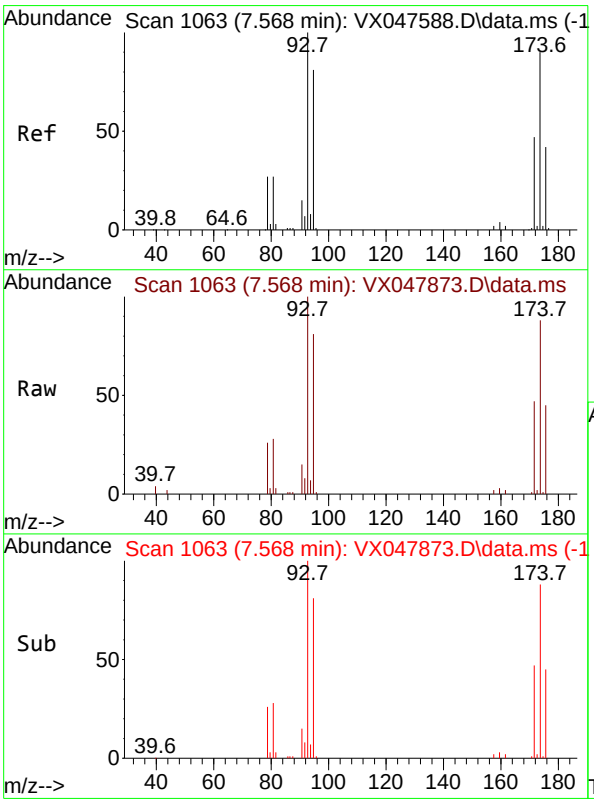
#45
1,2-Dichloropropane
Concen: 19.818 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion: 63 Resp: 42507

Ion	Ratio	Lower	Upper
63	100		
65	32.3	24.7	37.1

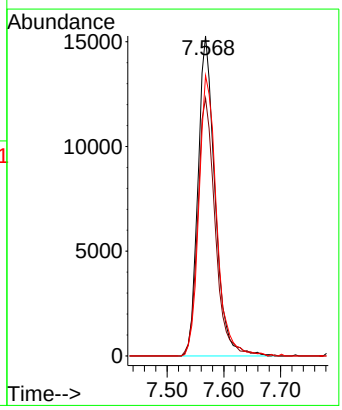


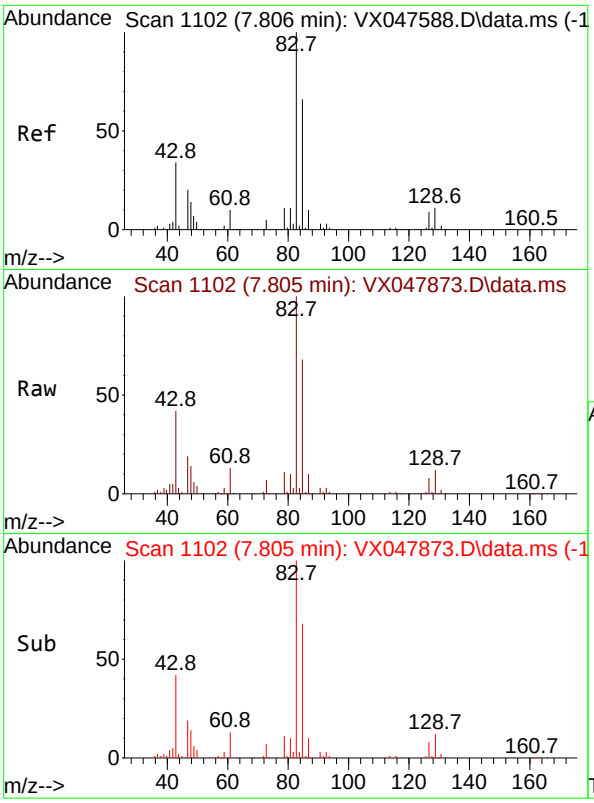


#46
Dibromomethane
Concen: 20.374 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 93 Resp: 31801

Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.0	97.6
174	91.0	71.6	107.4



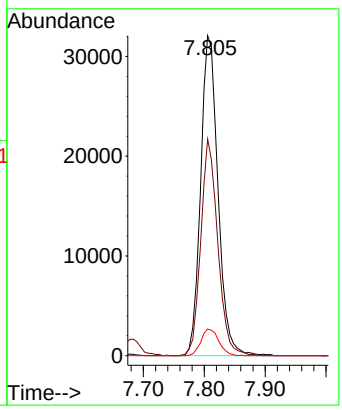


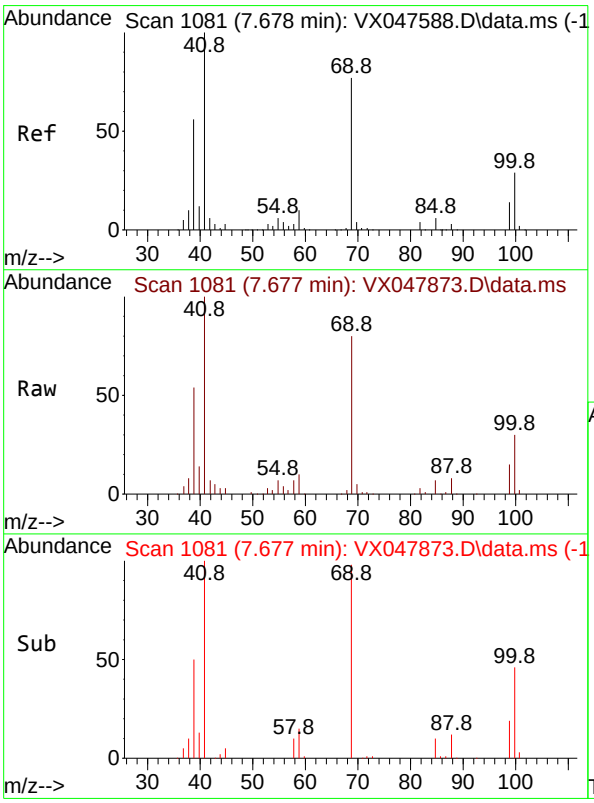
#47
Bromodichloromethane
Concen: 19.730 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion: 83 Resp: 63550

Ion	Ratio	Lower	Upper
83	100		
85	67.7	52.5	78.7
127	8.3	6.9	10.3

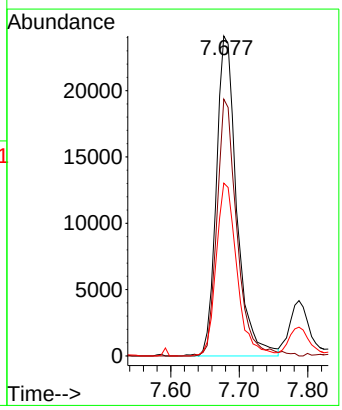


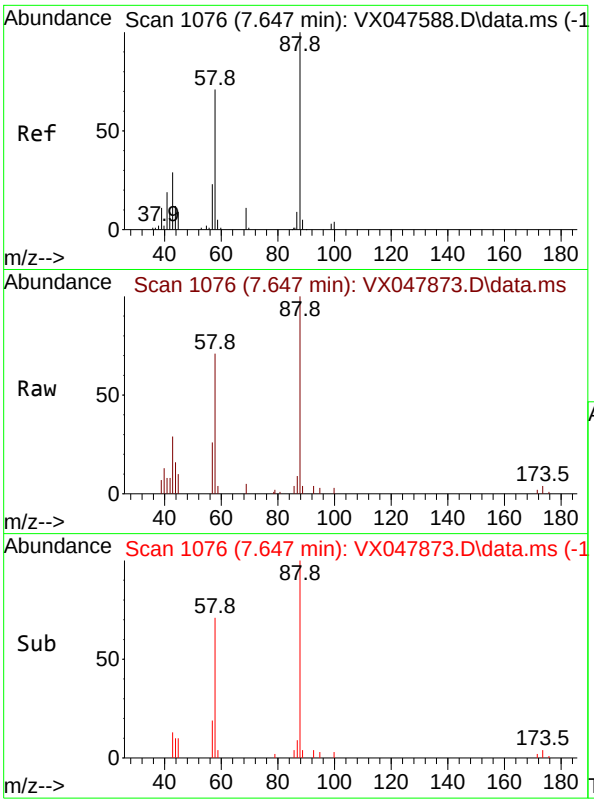


#48
Methyl methacrylate
Concen: 20.578 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 41 Resp: 49641

Ion	Ratio	Lower	Upper
41	100		
69	78.7	61.4	92.2
39	55.2	45.8	68.6



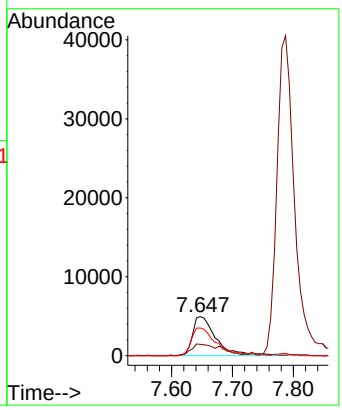


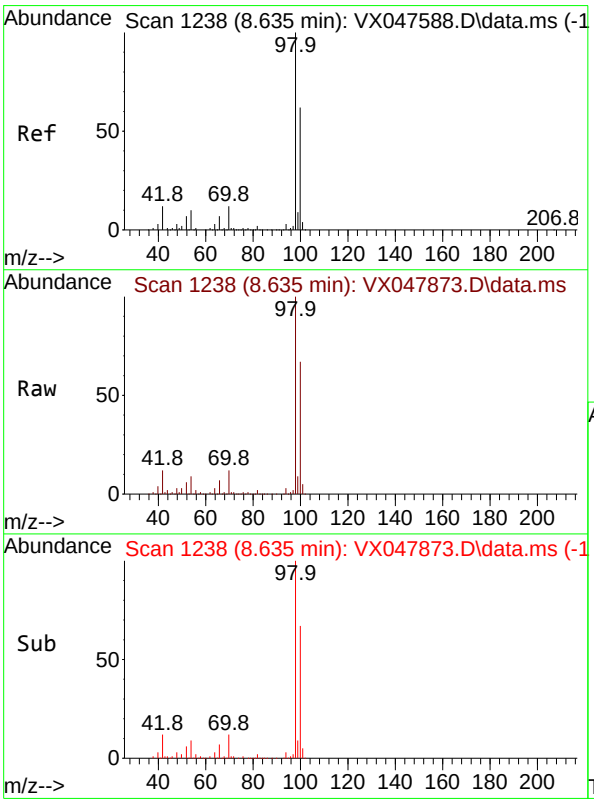
#49
1,4-Dioxane
Concen: 544.144 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion: 88 Resp: 13266

Ion	Ratio	Lower	Upper
88	100		
43	38.2	30.2	45.2
58	73.2	59.5	89.3

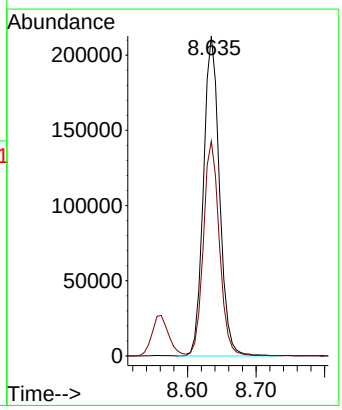


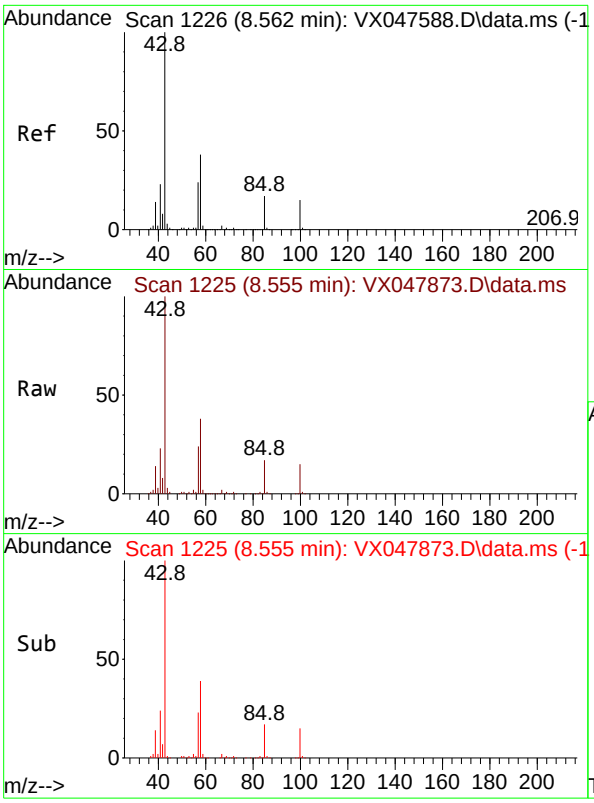


#50
Toluene-d8
Concen: 52.947 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 98 Resp: 345784

Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.0	79.4



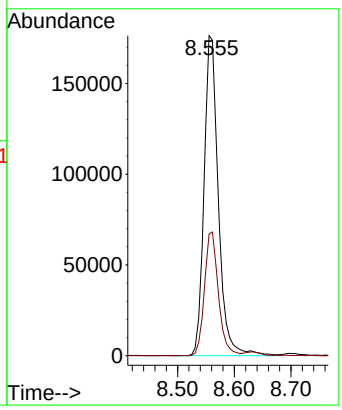


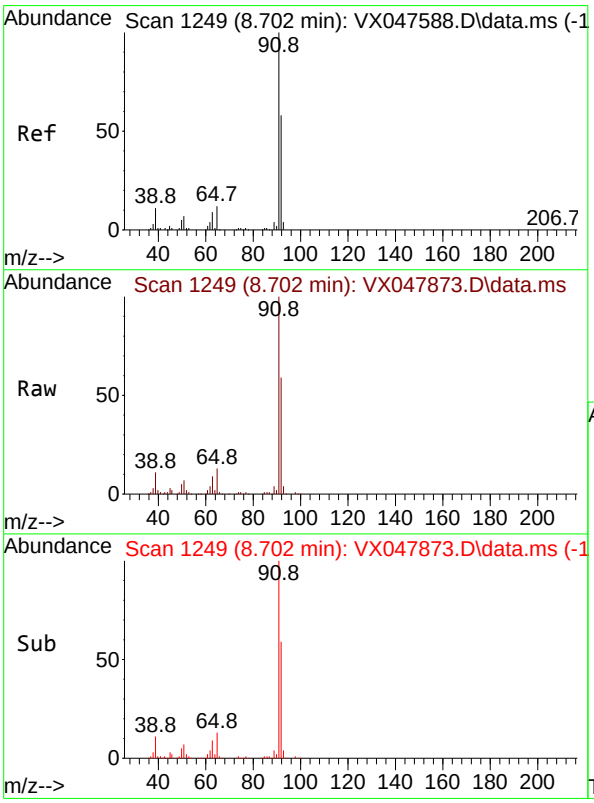
#51
4-Methyl-2-Pentanone
Concen: 115.055 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion: 43 Resp: 308945

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.3	45.5

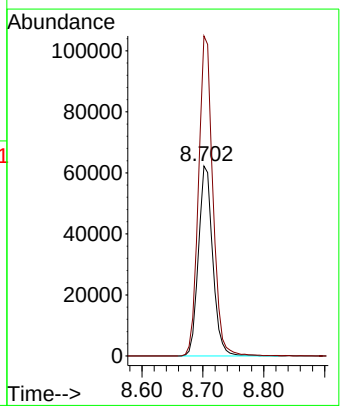


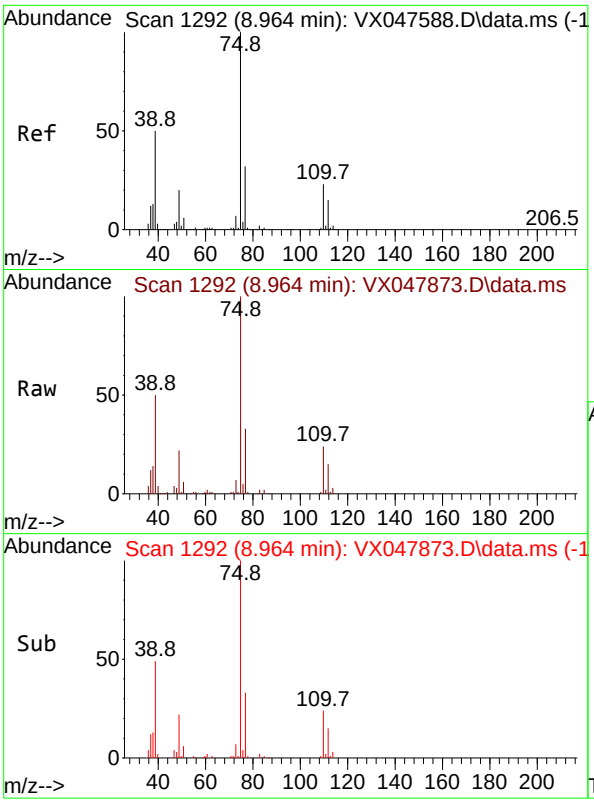


#52
Toluene
Concen: 19.687 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 92 Resp: 101600

Ion	Ratio	Lower	Upper
92	100		
91	168.8	137.1	205.7



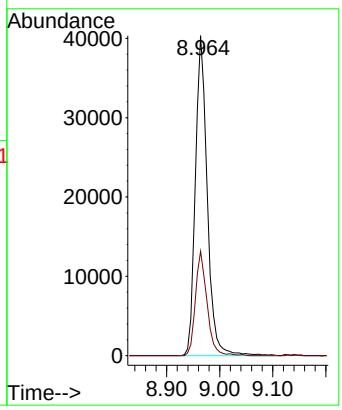


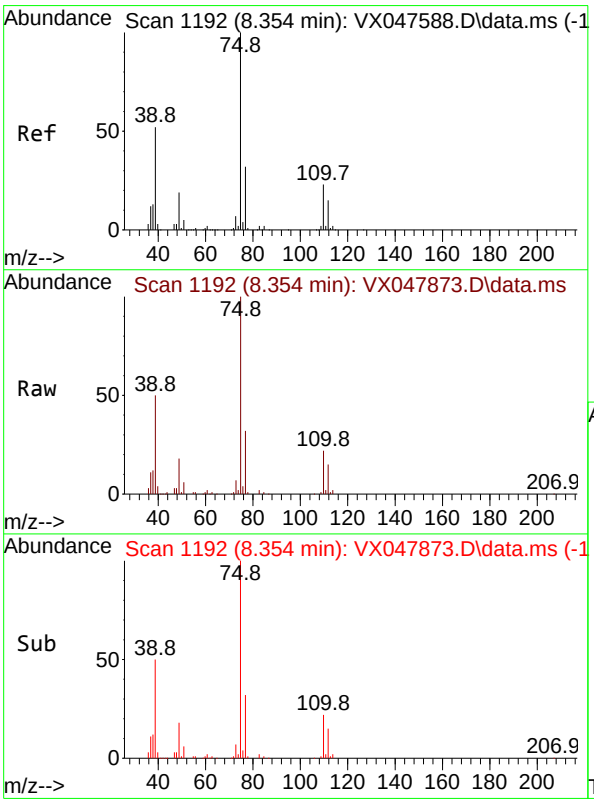
#53
t-1,3-Dichloropropene
Concen: 19.154 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion: 75 Resp: 62928

Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.4	38.2

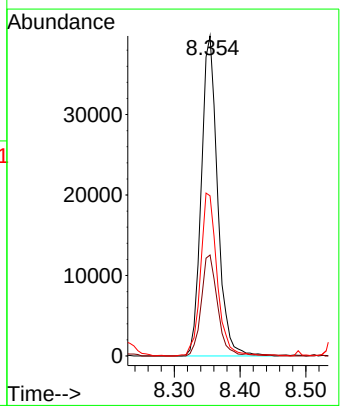


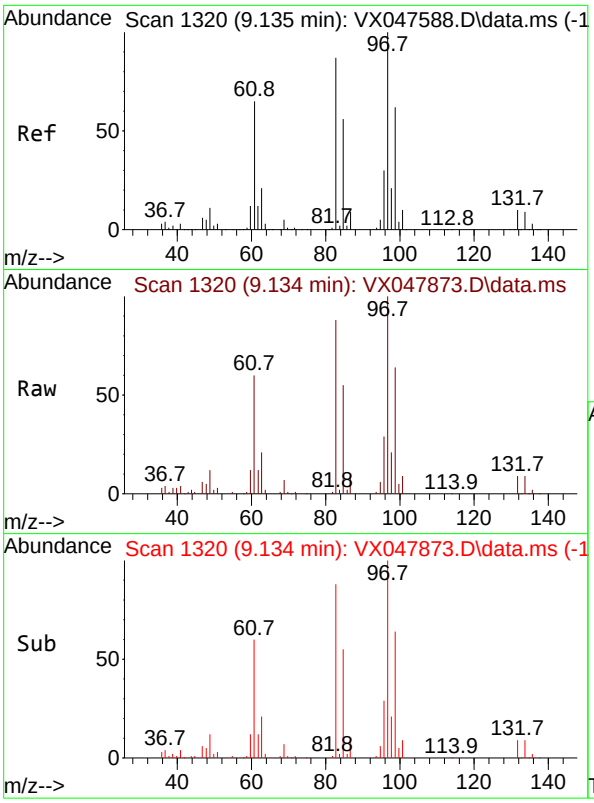


#54
cis-1,3-Dichloropropene
Concen: 19.537 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 75 Resp: 68607

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.8	38.6
39	49.8	41.4	62.2



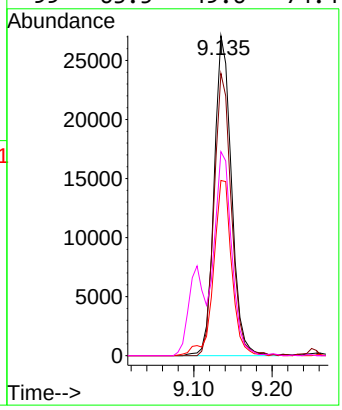


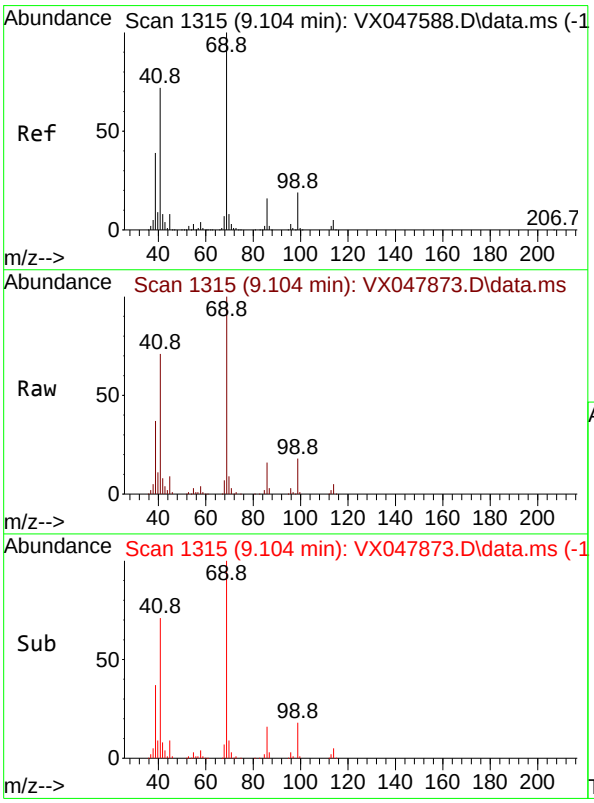
#55
1,1,2-Trichloroethane
Concen: 20.976 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion: 97 Resp: 41741

Ion	Ratio	Lower	Upper
97	100		
83	88.2	69.6	104.4
85	54.6	45.0	67.6
99	63.5	49.6	74.4

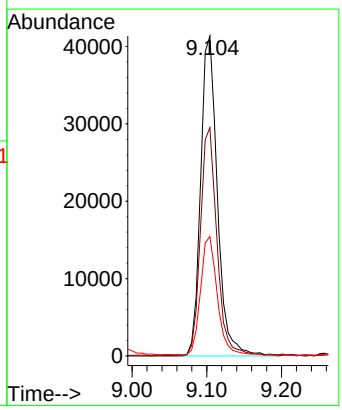


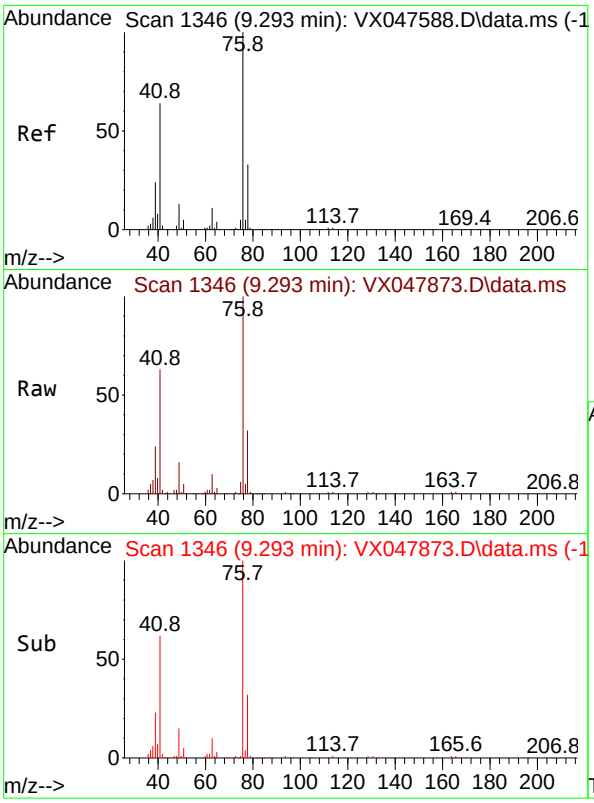


#56
Ethyl methacrylate
Concen: 20.618 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 69 Resp: 64436

Ion	Ratio	Lower	Upper
69	100		
41	69.8	58.6	87.8
39	37.3	31.5	47.3



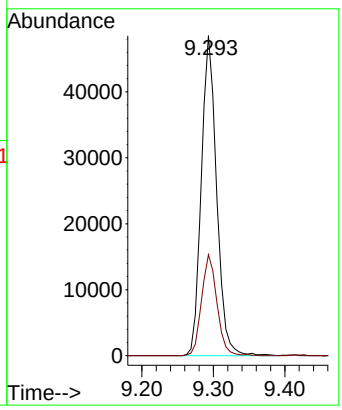


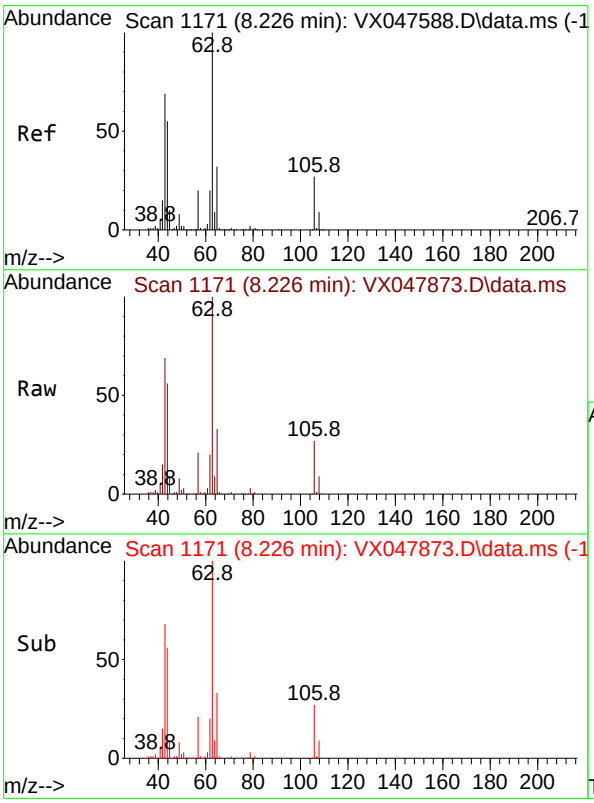
#57
1,3-Dichloropropane
Concen: 21.113 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion: 76 Resp: 72173

Ion	Ratio	Lower	Upper
76	100		
78	31.7	26.2	39.4

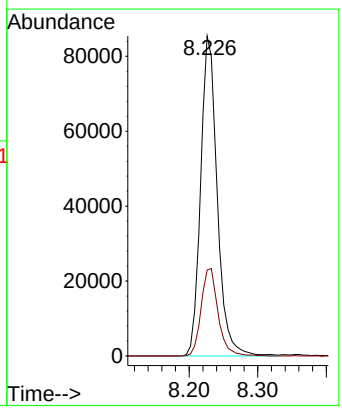


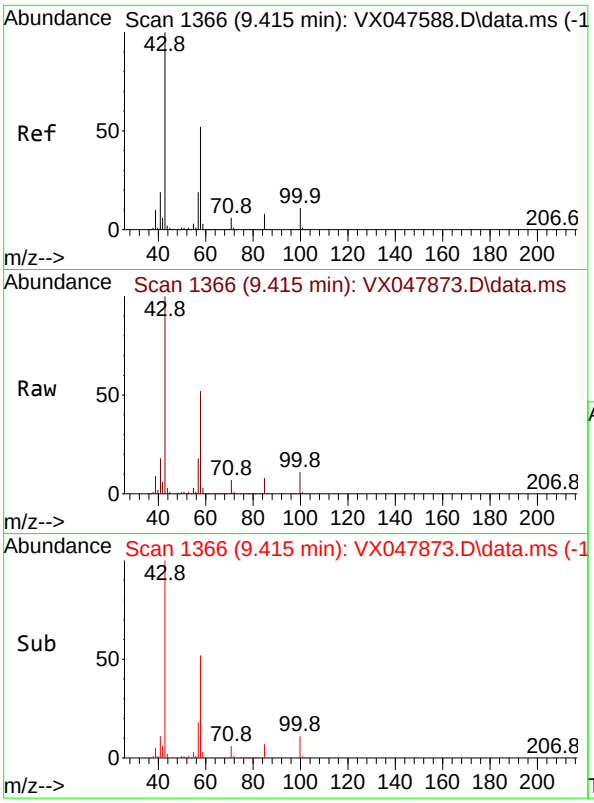


#58
2-Chloroethyl Vinyl ether
Concen: 103.449 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 63 Resp: 144008

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.9	32.9



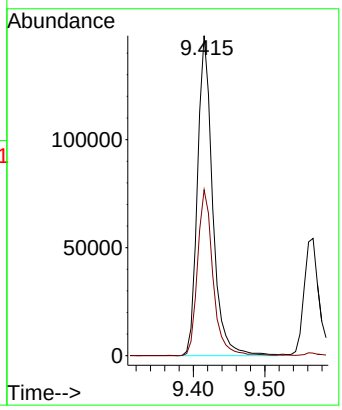


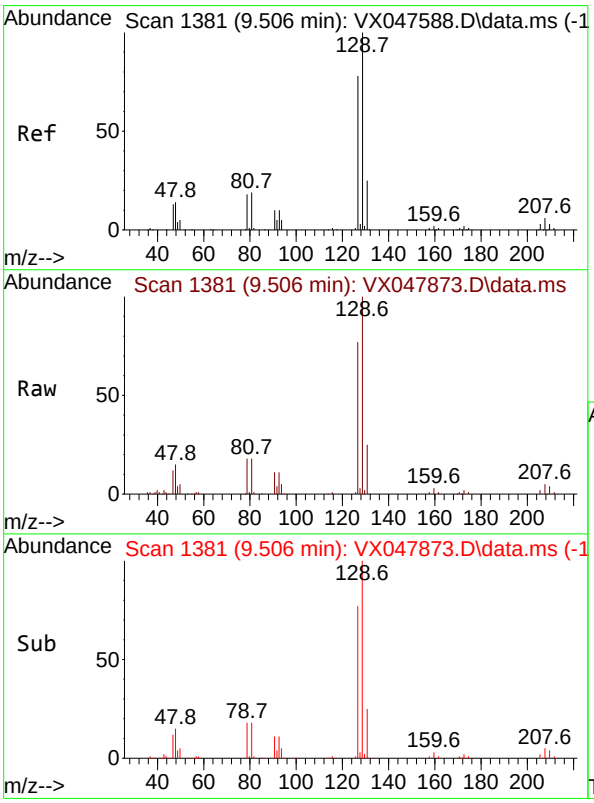
#59
2-Hexanone
Concen: 112.947 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion: 43 Resp: 217819

Ion	Ratio	Lower	Upper
43	100		
58	53.0	26.1	78.2

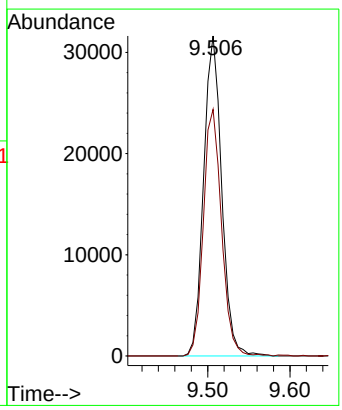


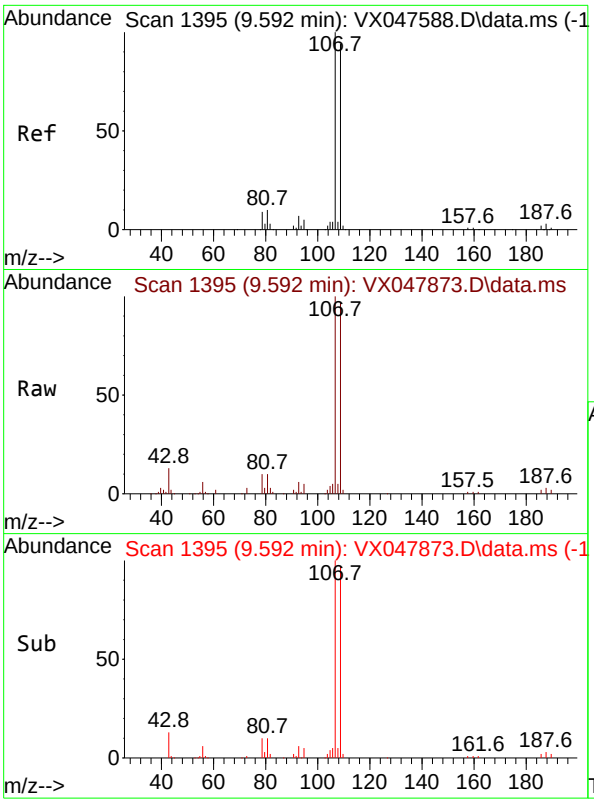


#60
Dibromochloromethane
Concen: 21.045 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:129 Resp: 48253

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.4	115.2



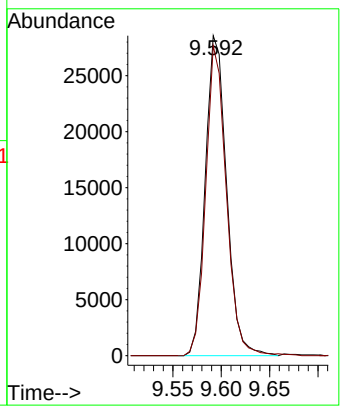


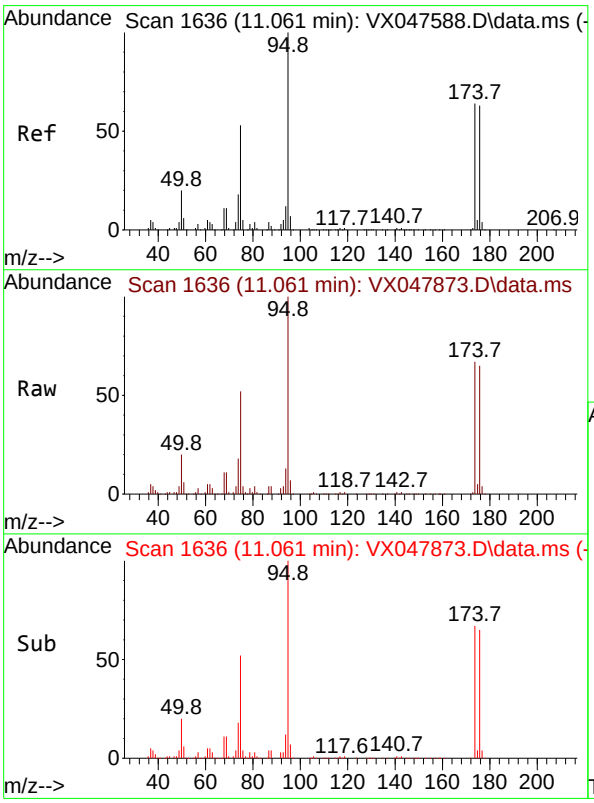
#61
1,2-Dibromoethane
Concen: 21.639 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion:107 Resp: 43859

Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.3	112.9

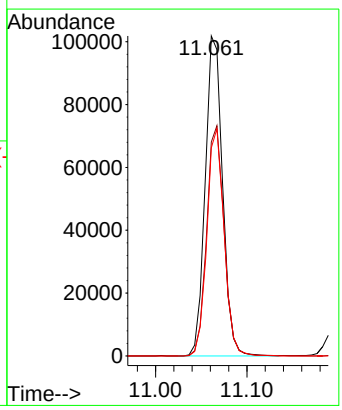


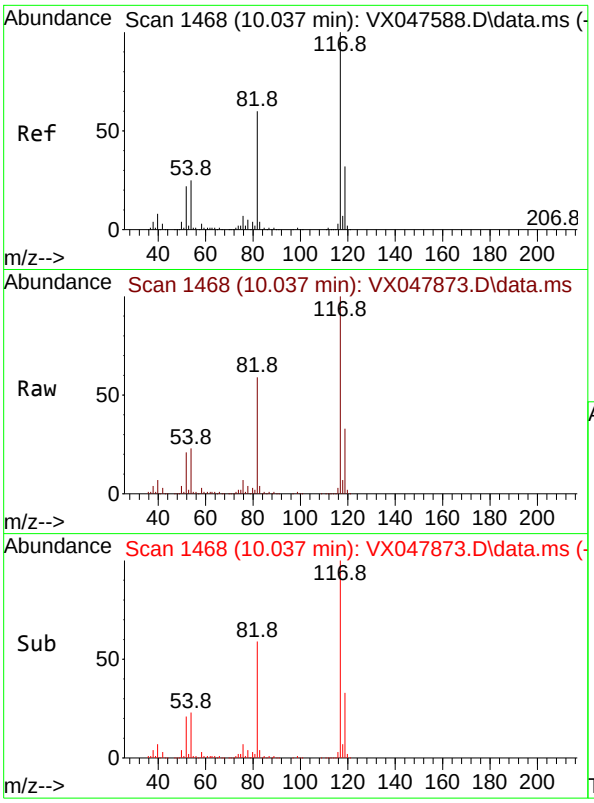


#62
4-Bromofluorobenzene
Concen: 54.005 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 95 Resp: 133853

Ion	Ratio	Lower	Upper
95	100		
174	72.2	0.0	141.6
176	70.3	0.0	138.4



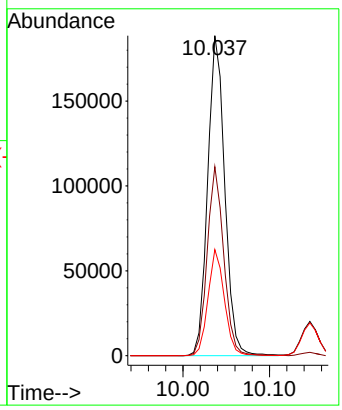


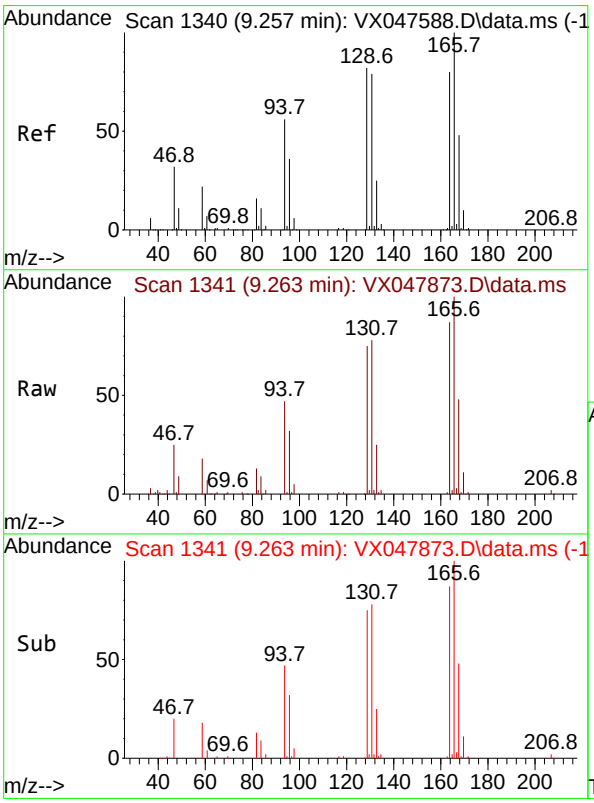
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion:117 Resp: 258238

Ion	Ratio	Lower	Upper
117	100		
82	59.1	47.8	71.6
119	33.2	25.2	37.8

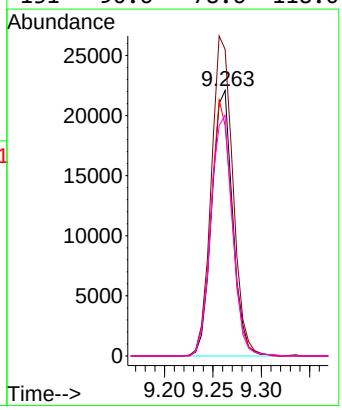


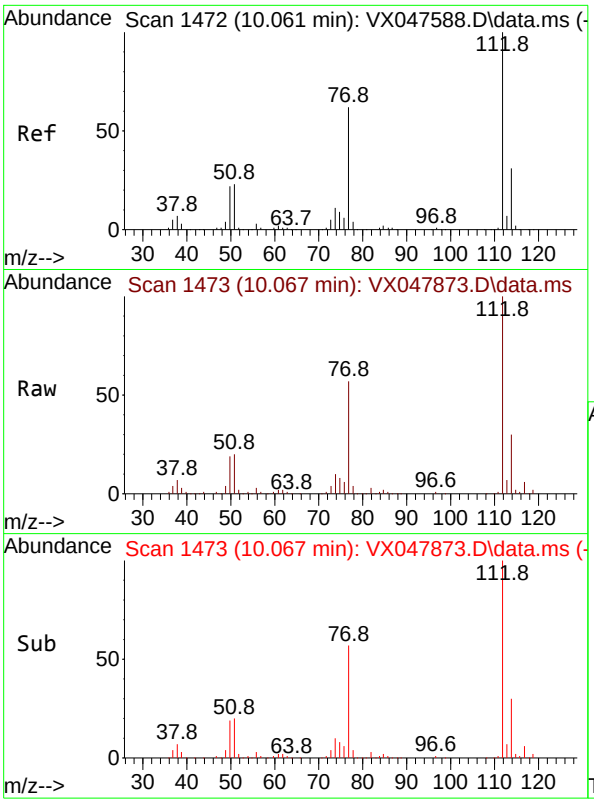


#64
Tetrachloroethene
Concen: 19.653 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:164 Resp: 33085

Ion	Ratio	Lower	Upper
164	100		
166	115.5	100.2	150.2
129	86.9	81.8	122.6
131	90.6	78.6	118.0



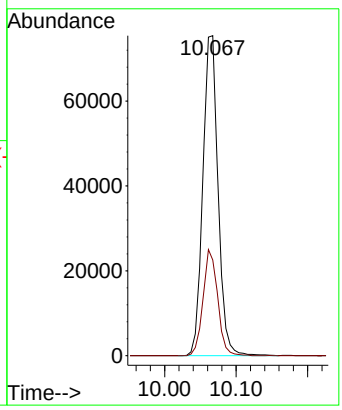


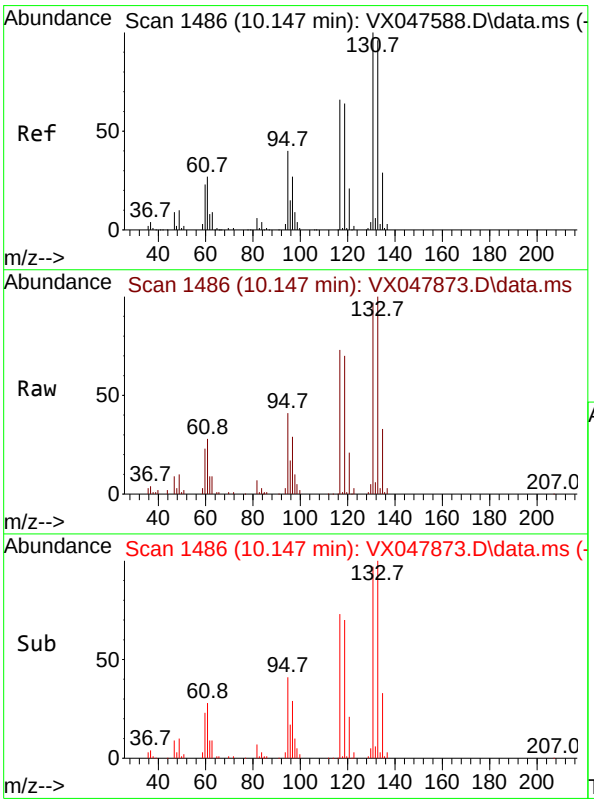
#65
Chlorobenzene
Concen: 19.039 ug/l
RT: 10.067 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion:112 Resp: 111694

Ion	Ratio	Lower	Upper
112	100		
114	29.9	25.1	37.7

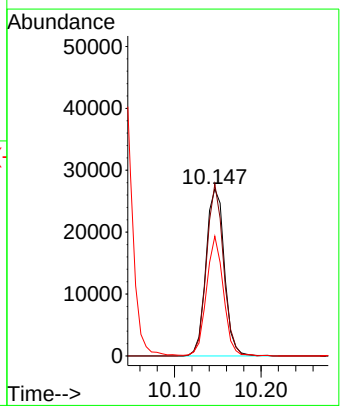


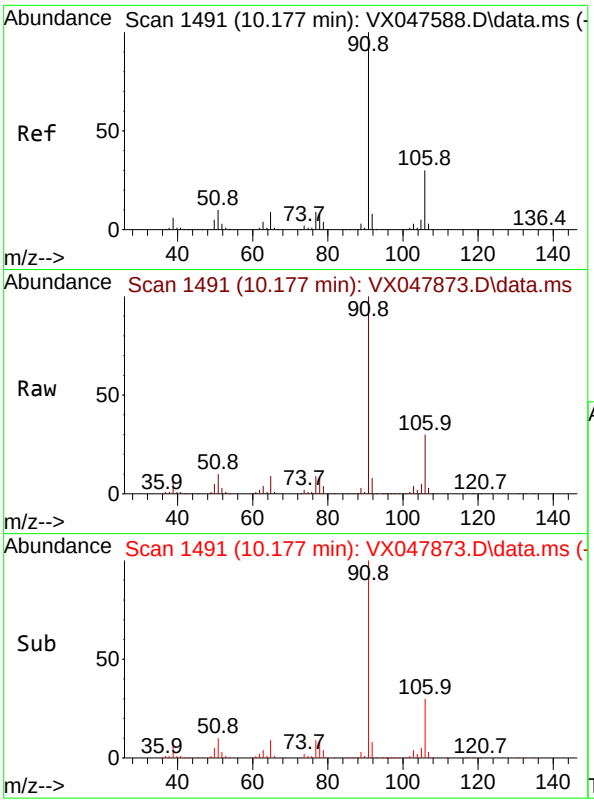


#66
1,1,1,2-Tetrachloroethane
Concen: 19.681 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:131 Resp: 39843

Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.3	142.0
119	66.2	32.0	96.0



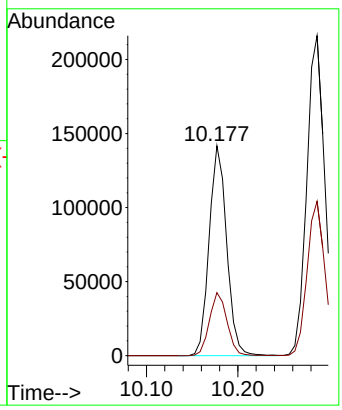


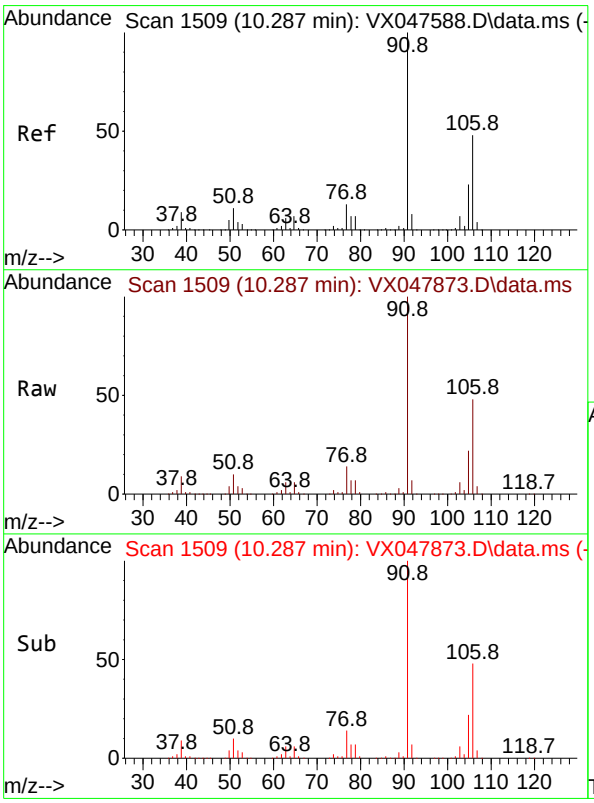
#67
Ethyl Benzene
Concen: 18.654 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion: 91 Resp: 188830

Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.3	36.5

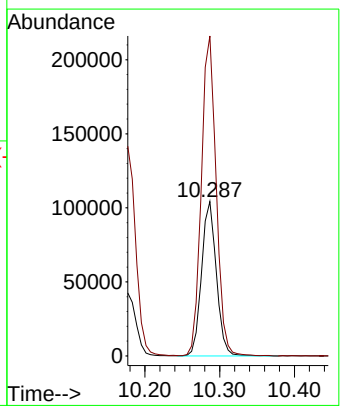


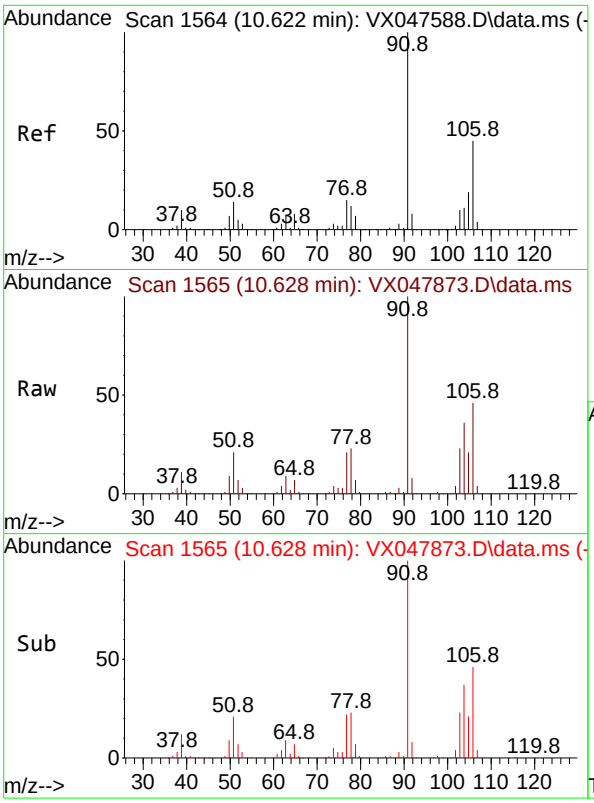


#68
m/p-Xylenes
Concen: 38.056 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:106 Resp: 143383

Ion	Ratio	Lower	Upper
106	100		
91	208.2	167.8	251.8



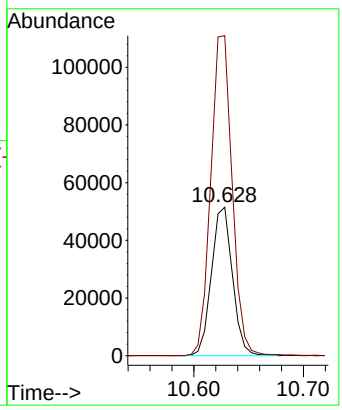


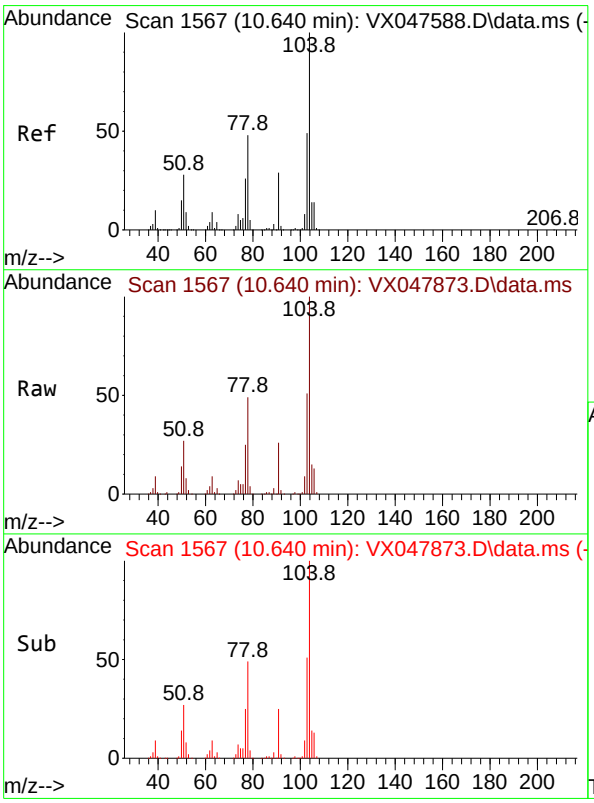
#69
o-Xylene
Concen: 18.818 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion:106 Resp: 68578

Ion	Ratio	Lower	Upper
106	100		
91	220.4	111.1	333.4

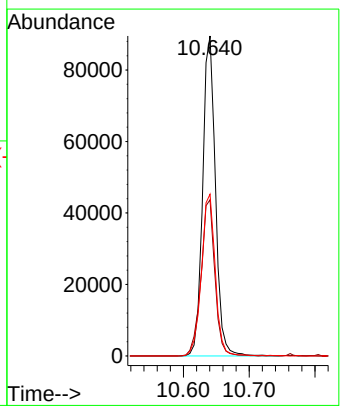


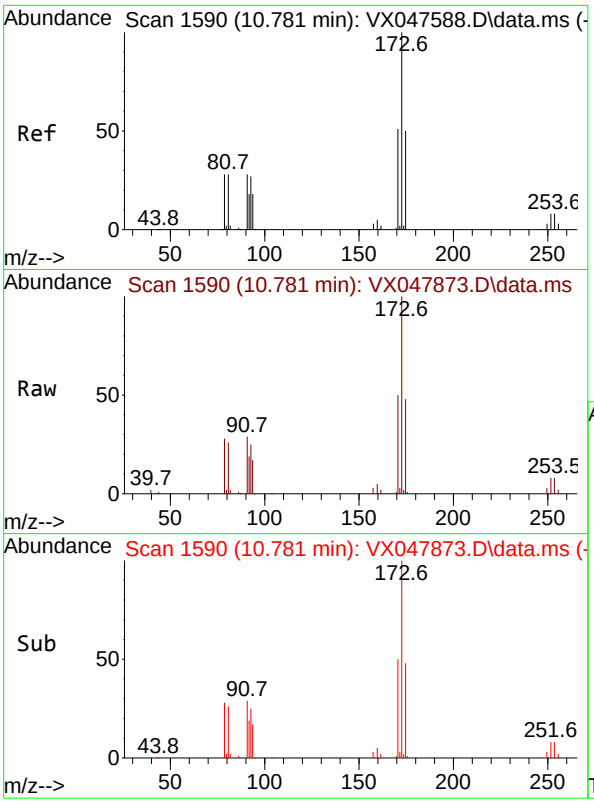


#70
Styrene
Concen: 18.987 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:104 Resp: 121241

Ion	Ratio	Lower	Upper
104	100		
78	52.8	43.1	64.7
103	54.6	43.1	64.7



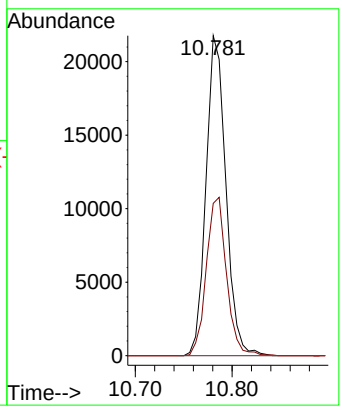


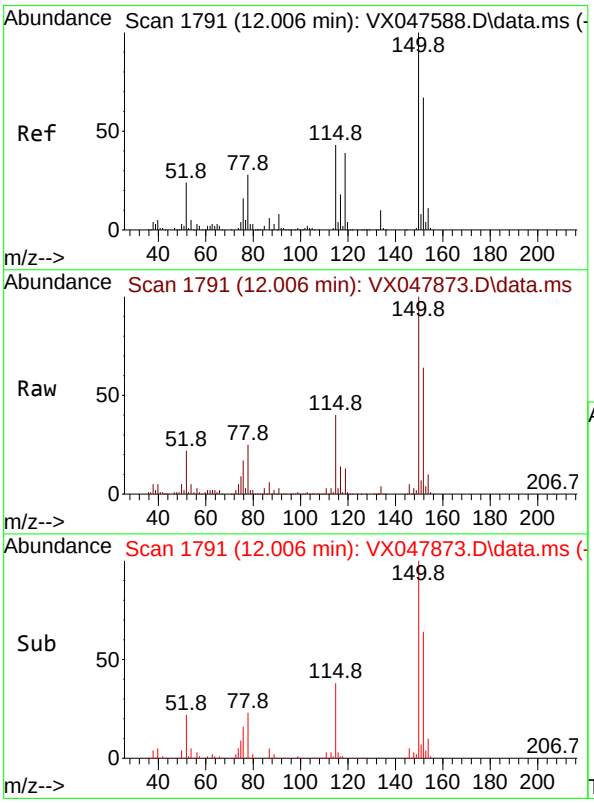
#71
Bromoform
Concen: 20.487 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion:173 Resp: 30968

Ion	Ratio	Lower	Upper
173	100		
175	50.6	24.9	74.6
254	0.0	0.1	0.1#

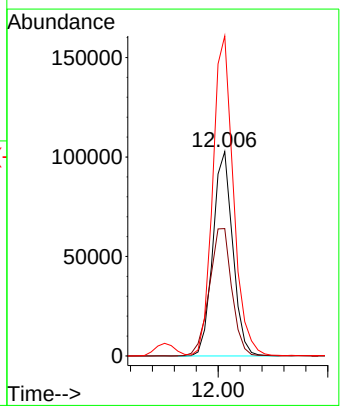


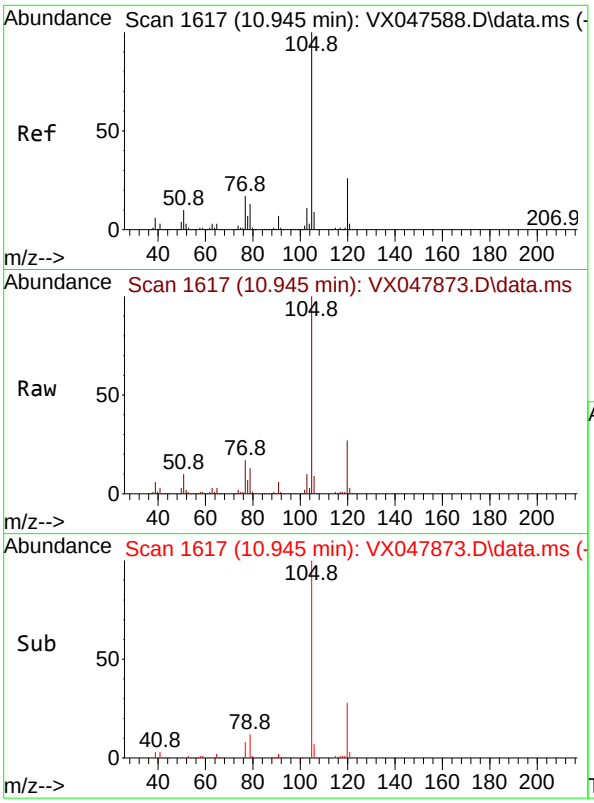


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:152 Resp: 129173

Ion	Ratio	Lower	Upper
152	100		
115	70.5	44.9	134.5
150	162.7	0.0	352.0



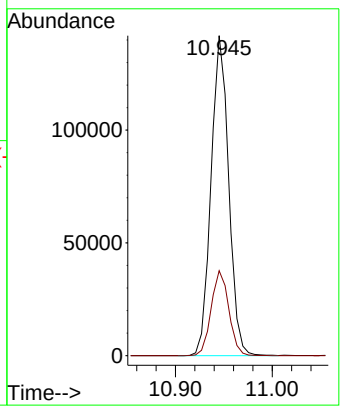


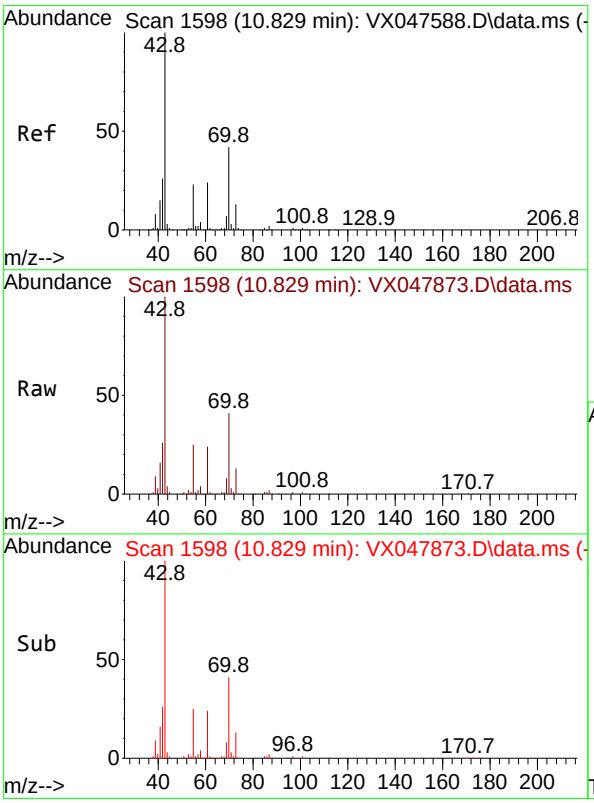
#73
Isopropylbenzene
Concen: 18.290 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion:105 Resp: 179619

Ion	Ratio	Lower	Upper
105	100		
120	26.5	12.8	38.4

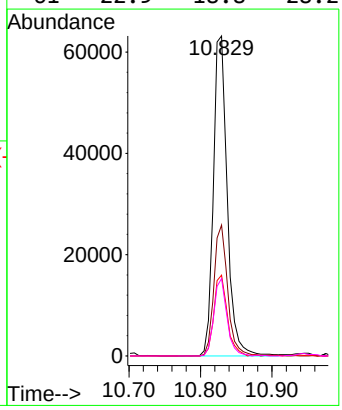


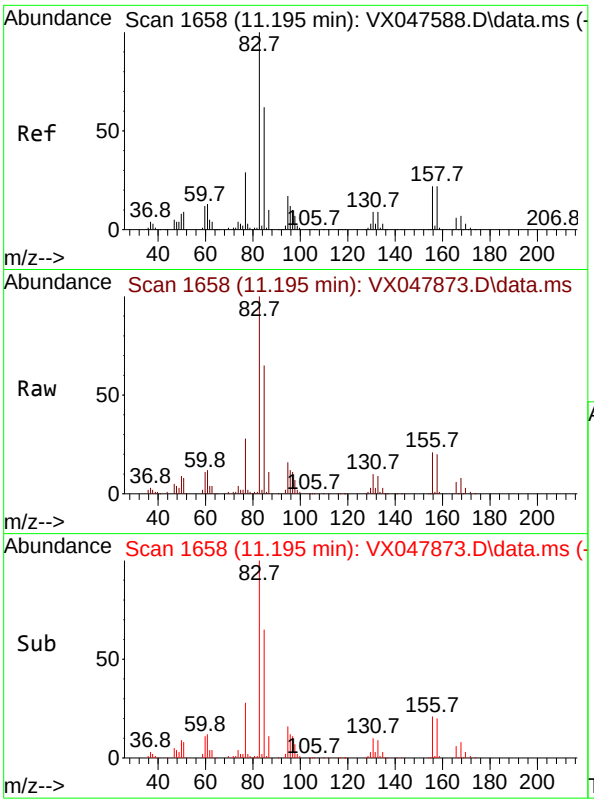


#74
N-amyl acetate
Concen: 19.004 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 43 Resp: 85106

Ion	Ratio	Lower	Upper
43	100		
70	40.4	32.0	48.0
55	24.6	18.9	28.3
61	22.9	18.8	28.2



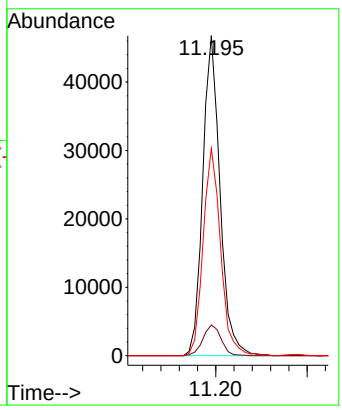


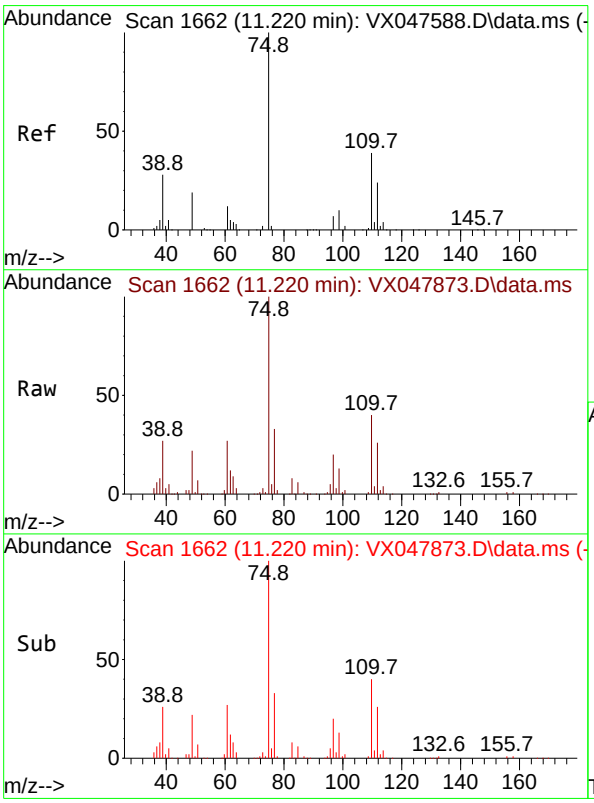
#75
1,1,2,2-Tetrachloroethane
Concen: 20.601 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion: 83 Resp: 61210

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	65.6	31.6	95.0

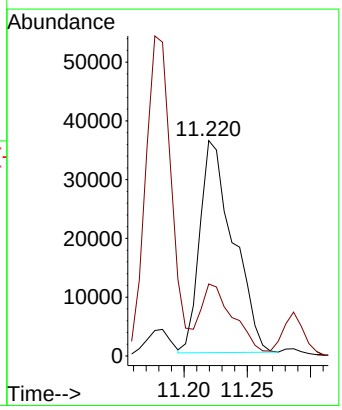


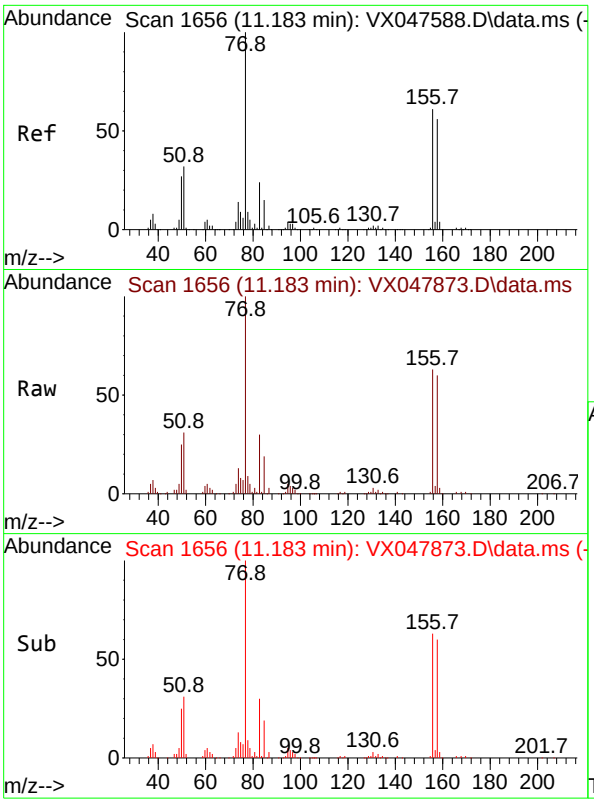


#76
1,2,3-Trichloropropane
Concen: 25.402 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 75 Resp: 66436

Ion	Ratio	Lower	Upper
75	100		
77	33.1	18.8	56.4



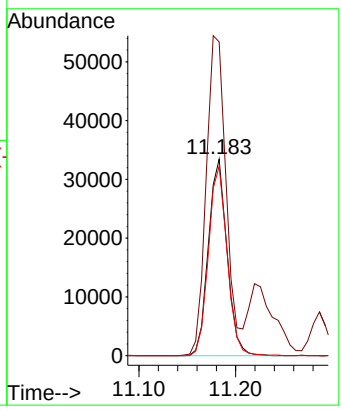


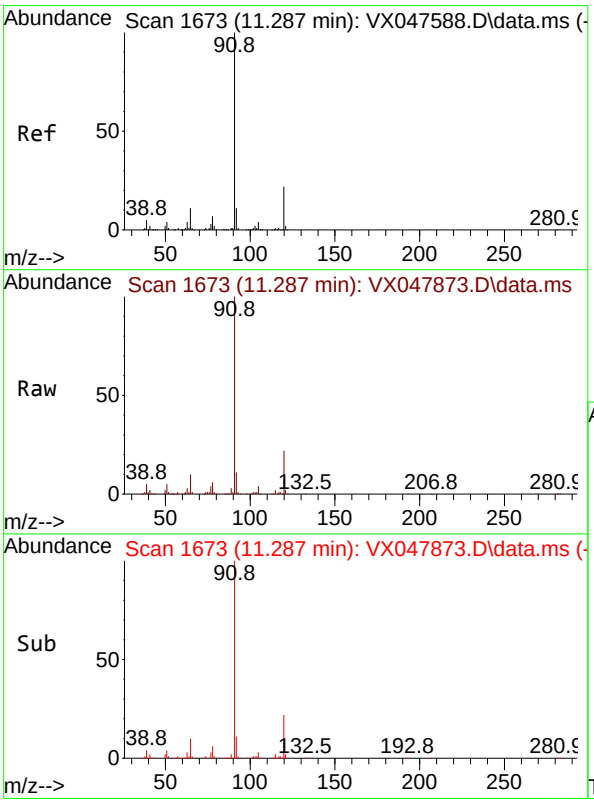
#77
Bromobenzene
Concen: 18.577 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion:156 Resp: 44933

Ion	Ratio	Lower	Upper
156	100		
77	174.5	89.7	269.1
158	96.1	47.9	143.6

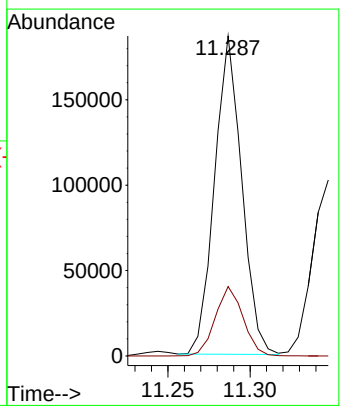


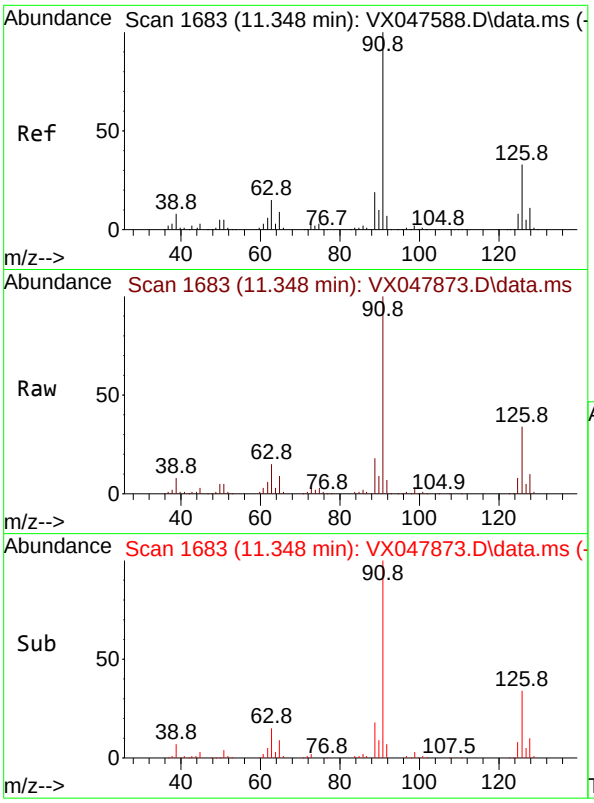


#78
n-propylbenzene
Concen: 18.434 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 91 Resp: 214005

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1



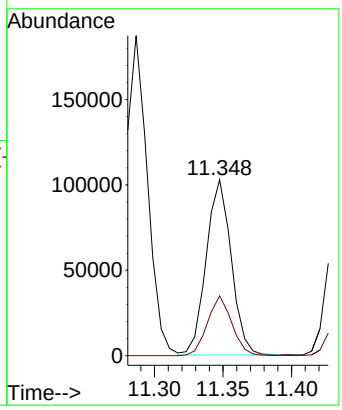


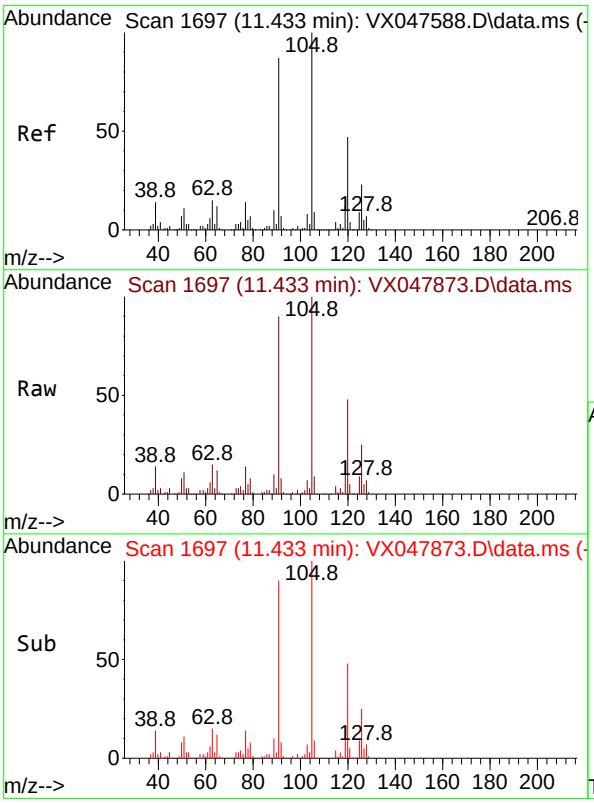
#79
2-Chlorotoluene
Concen: 18.385 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion: 91 Resp: 130727

Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.1	48.3

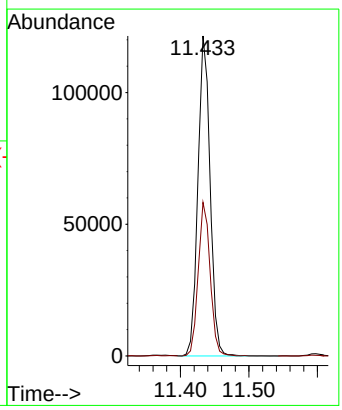


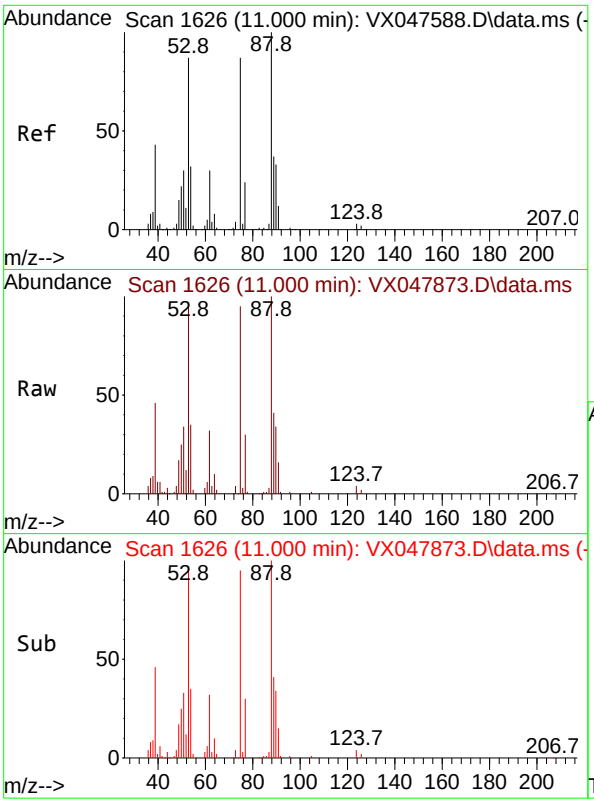


#80
1,3,5-Trimethylbenzene
Concen: 18.624 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:105 Resp: 150269

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.6	70.8



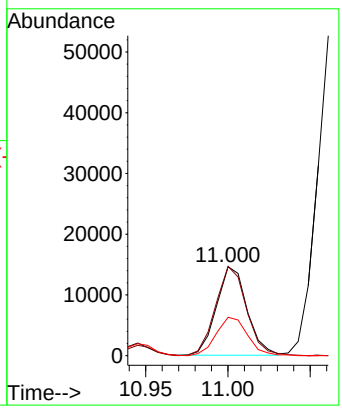


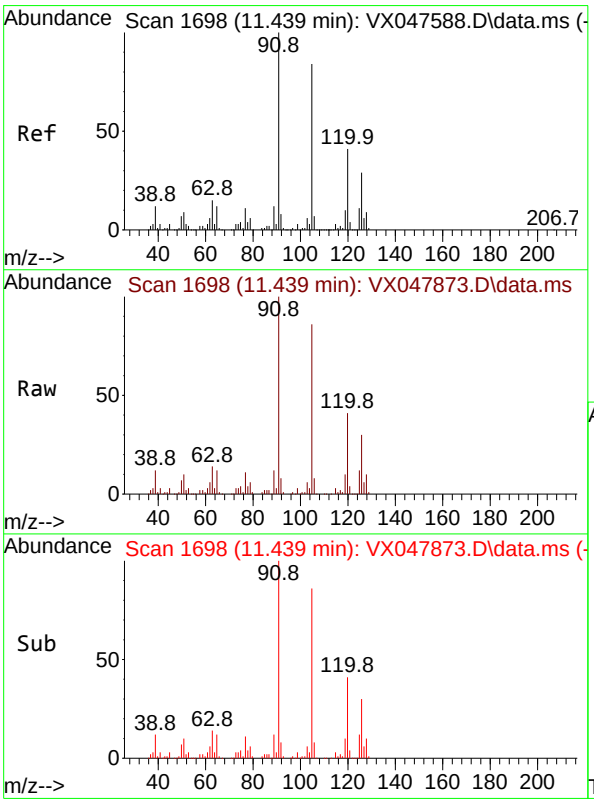
#81
trans-1,4-Dichloro-2-butene
Concen: 18.326 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion: 75 Resp: 18795

Ion	Ratio	Lower	Upper
75	100		
53	102.1	83.4	125.2
89	44.7	36.3	54.5

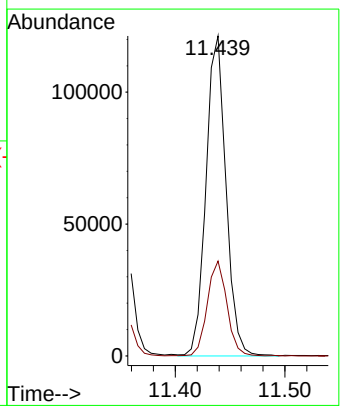


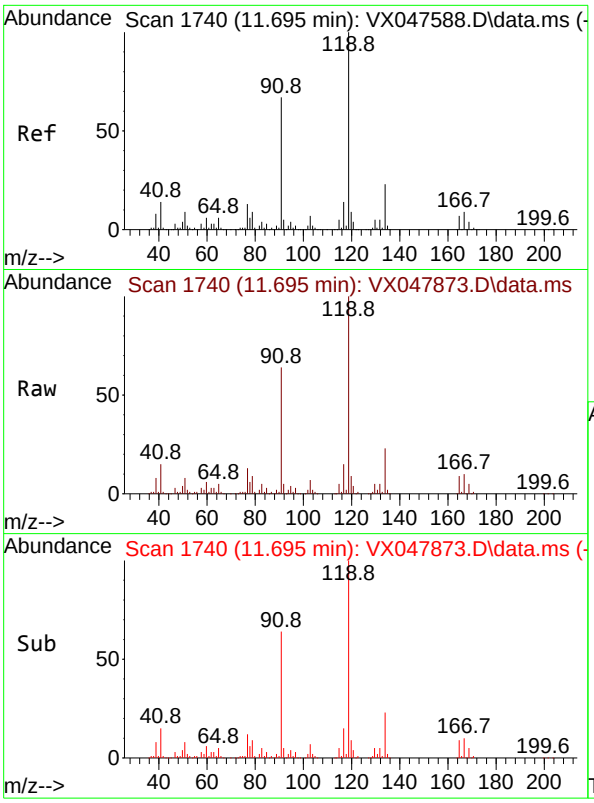


#82
4-Chlorotoluene
Concen: 18.296 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 91 Resp: 153647

Ion	Ratio	Lower	Upper
91	100		
126	29.2	14.2	42.6



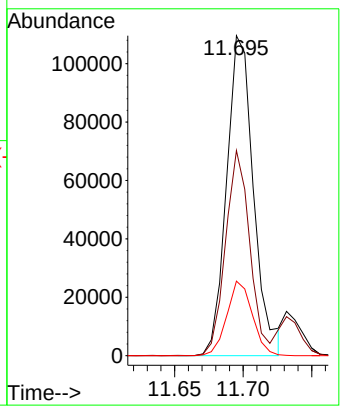


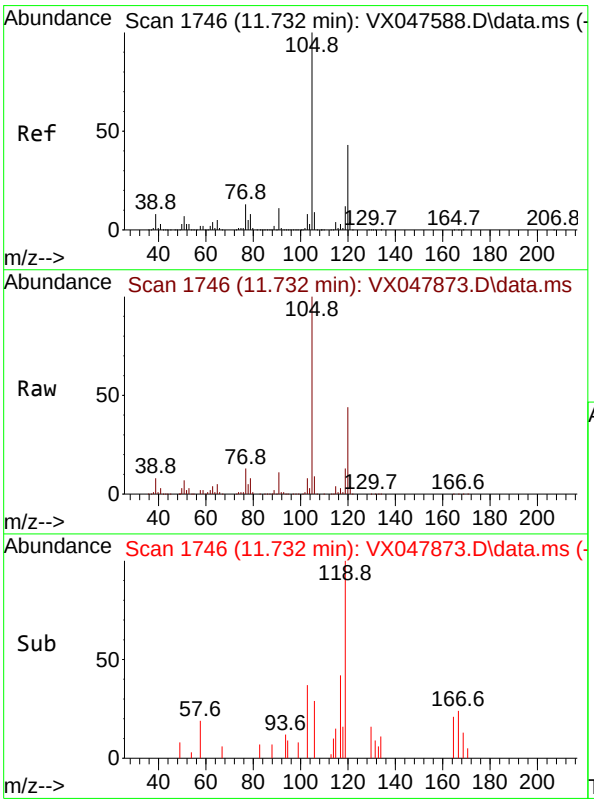
#83
tert-Butylbenzene
Concen: 18.186 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion:119 Resp: 150211

Ion	Ratio	Lower	Upper
119	100		
91	57.8	29.6	88.8
134	22.1	11.0	33.0

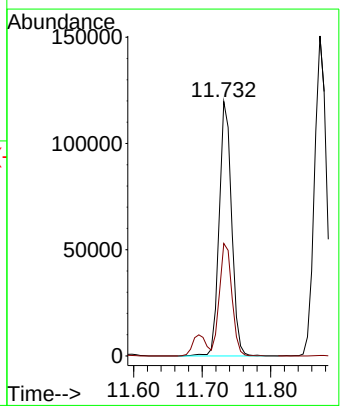


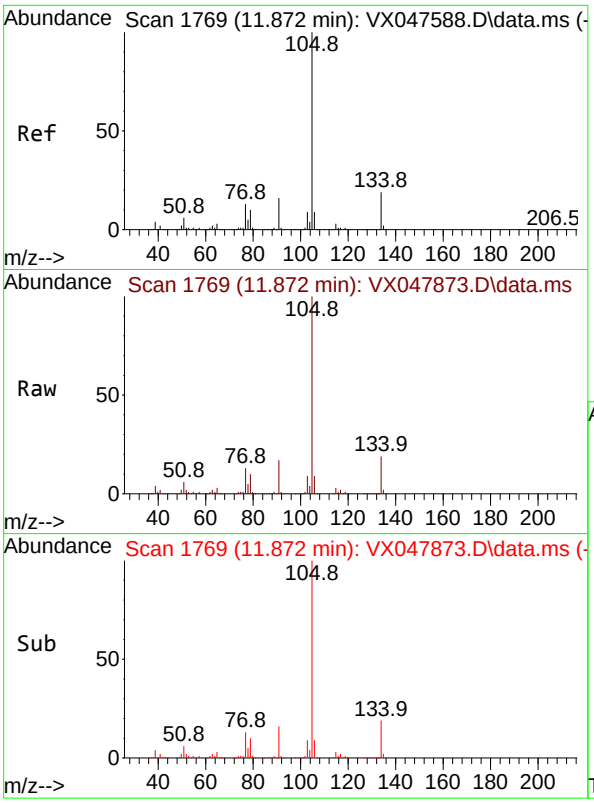


#84
1,2,4-Trimethylbenzene
Concen: 18.288 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:105 Resp: 149600

Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.1	66.1



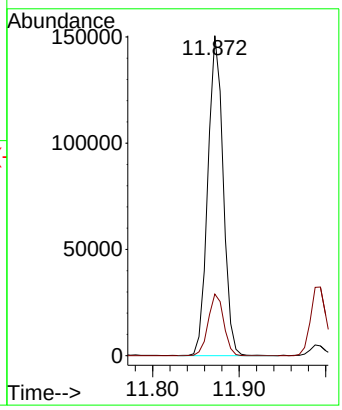


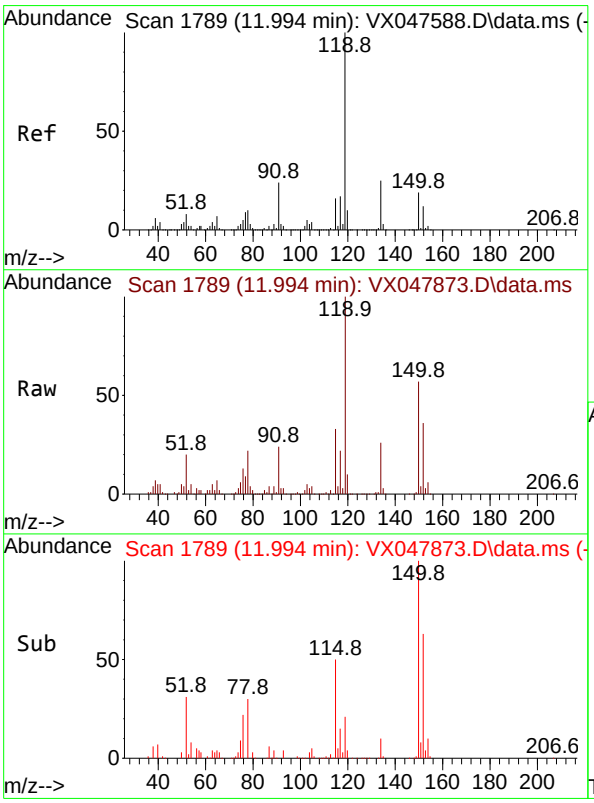
#85
sec-Butylbenzene
Concen: 18.850 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion:105 Resp: 184933

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.5

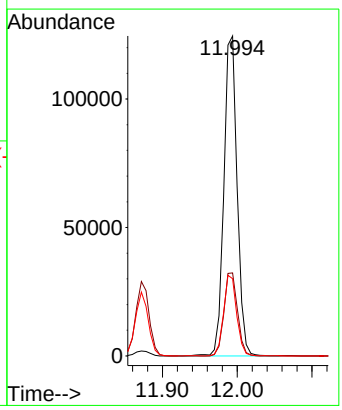


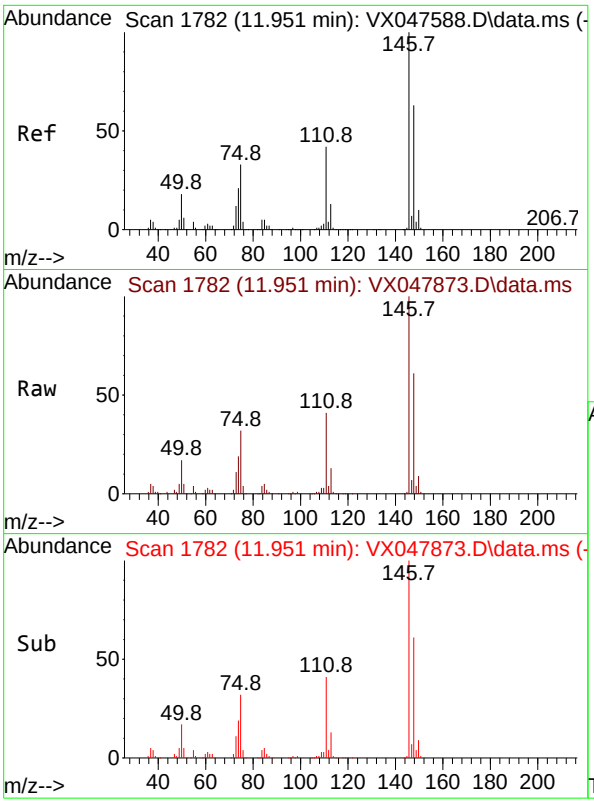


#86
p-Isopropyltoluene
Concen: 18.486 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:119 Resp: 153538

Ion	Ratio	Lower	Upper
119	100		
134	26.5	12.6	37.8
91	24.9	12.6	37.6



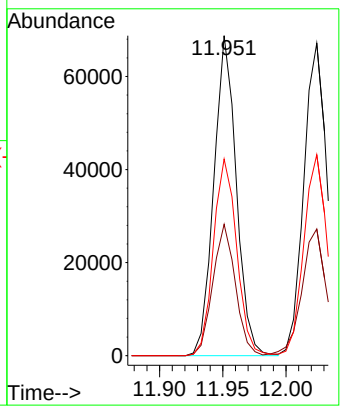


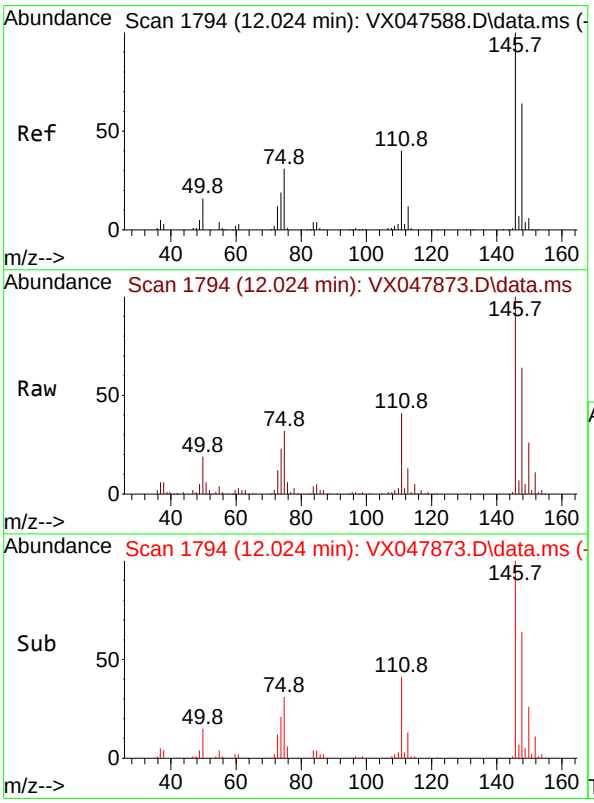
#87
1,3-Dichlorobenzene
Concen: 18.887 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion:146 Resp: 84852

Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.5	64.5
148	63.6	32.0	96.0

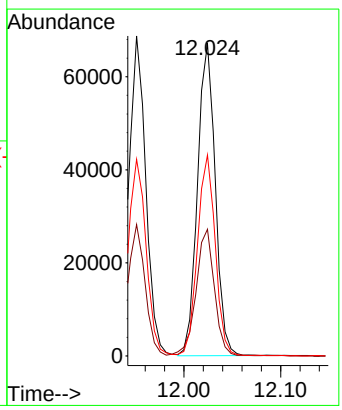


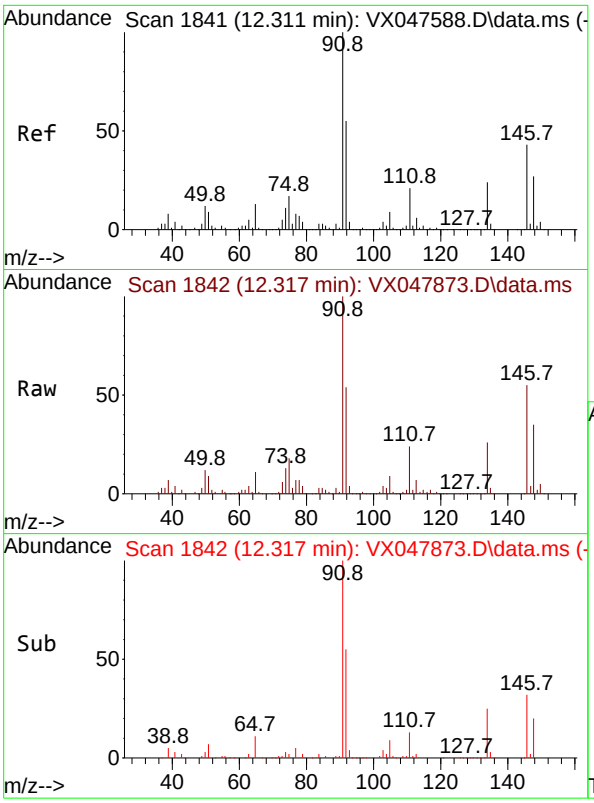


#88
1,4-Dichlorobenzene
Concen: 18.634 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:146 Resp: 85922

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.8	62.4
148	64.1	31.7	95.1



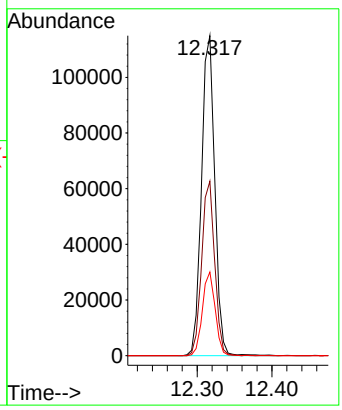


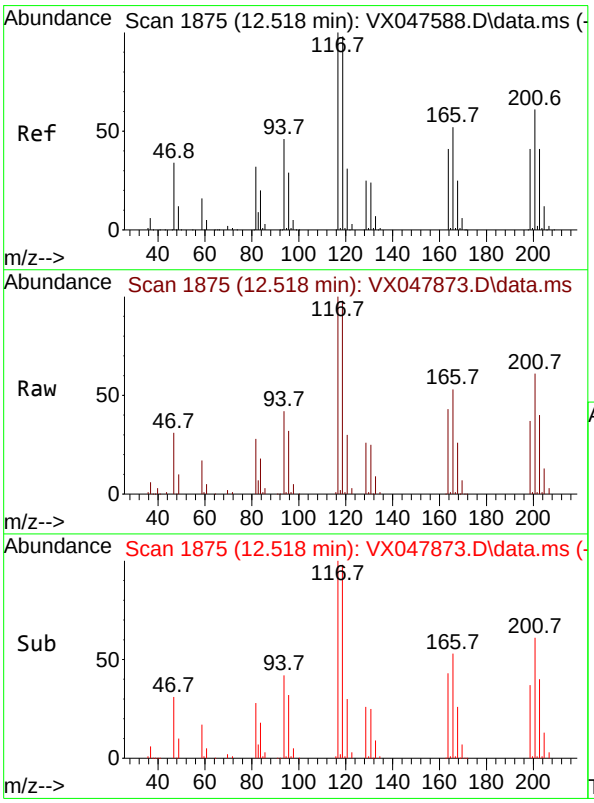
#89
n-Butylbenzene
Concen: 18.456 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion: 91 Resp: 141840

Ion	Ratio	Lower	Upper
91	100		
92	53.4	27.6	82.7
134	25.2	12.6	37.8

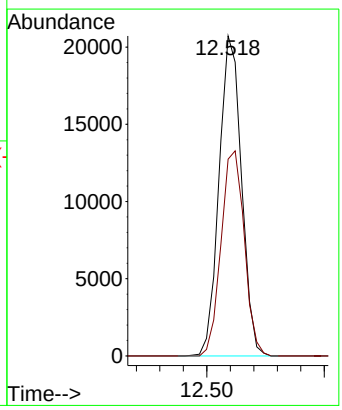


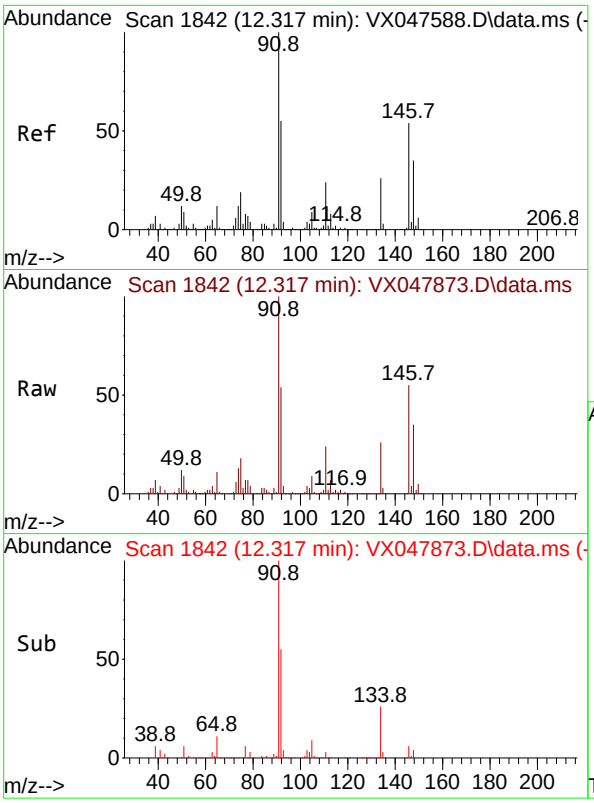


#90
Hexachloroethane
Concen: 18.816 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:117 Resp: 27438

Ion	Ratio	Lower	Upper
117	100		
201	66.5	34.2	102.5



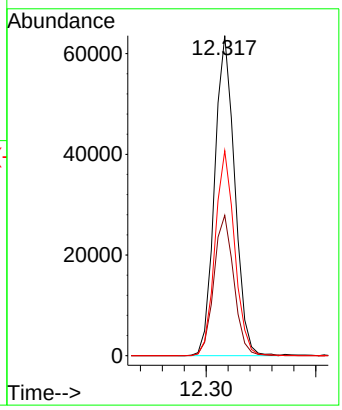


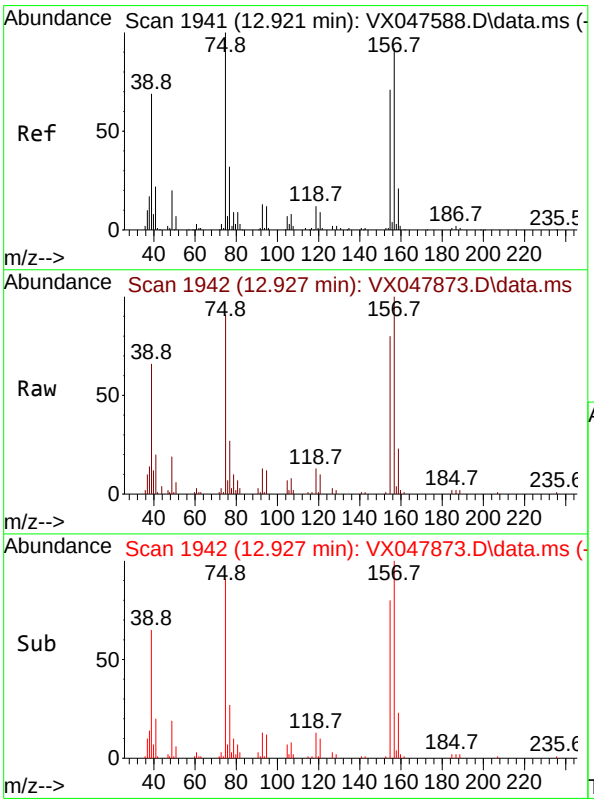
#91
1,2-Dichlorobenzene
Concen: 18.870 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion:146 Resp: 80764

Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.2	66.6
148	62.5	31.8	95.4

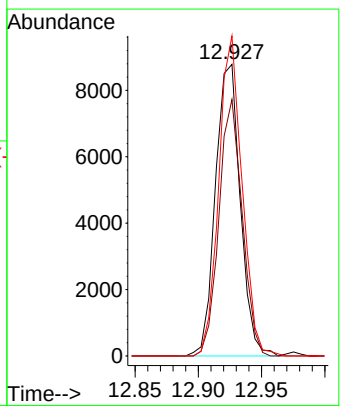


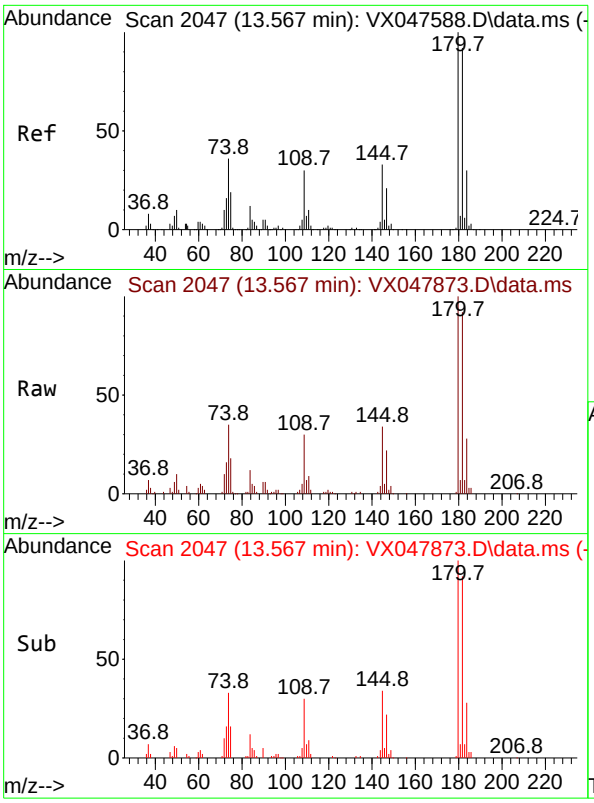


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.903 ug/l
RT: 12.927 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion: 75 Resp: 11973

Ion	Ratio	Lower	Upper
75	100		
155	82.3	37.7	113.1
157	103.0	49.8	149.4



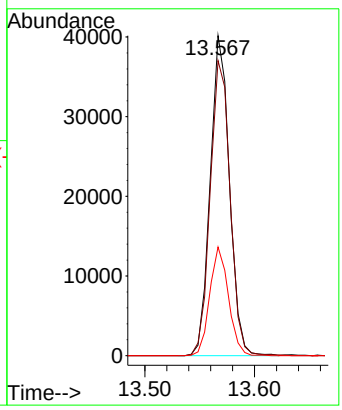


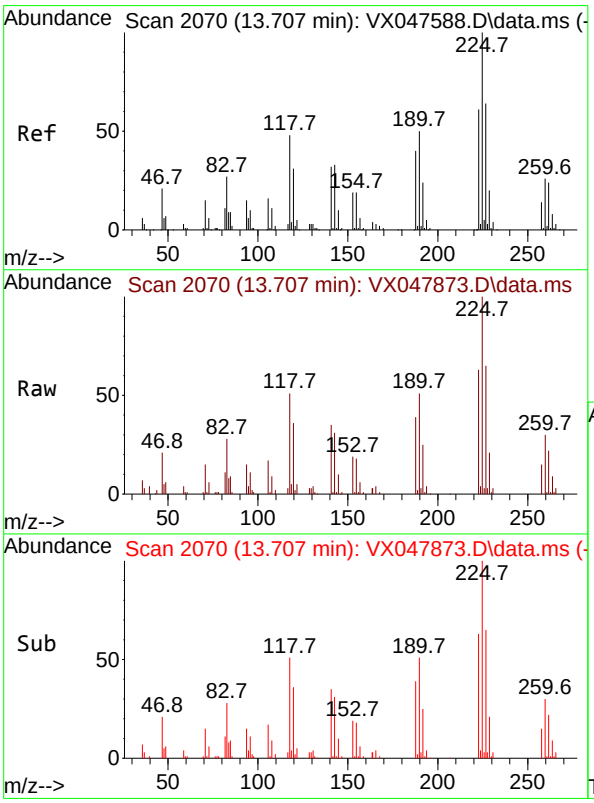
#93
1,2,4-Trichlorobenzene
Concen: 17.600 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion:180 Resp: 48957

Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.6	139.8
145	33.1	16.4	49.1

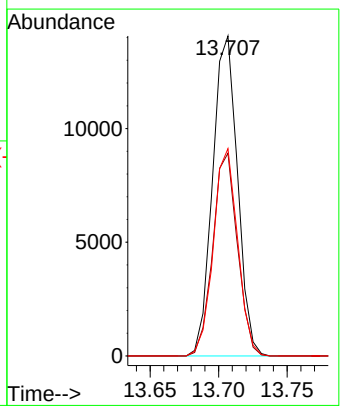


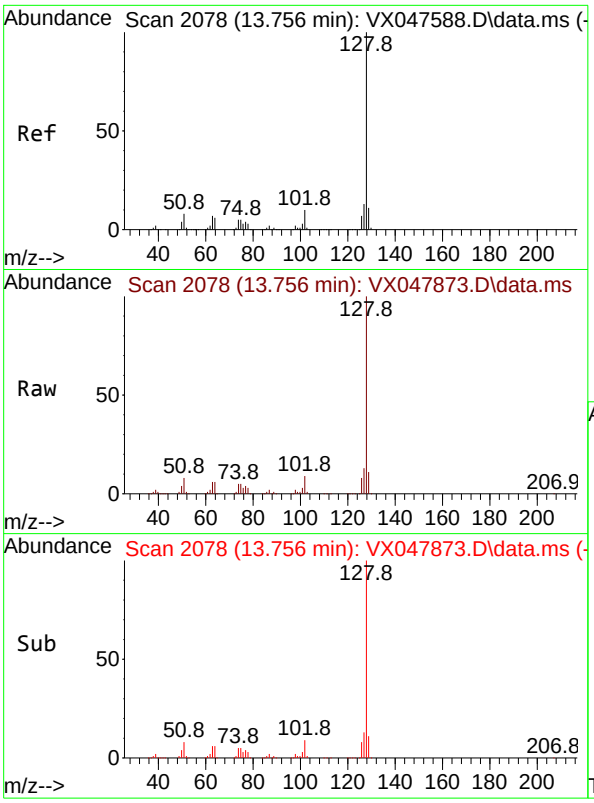


#94
Hexachlorobutadiene
Concen: 18.806 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:225 Resp: 17769

Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.7	95.1
227	63.2	32.0	96.0



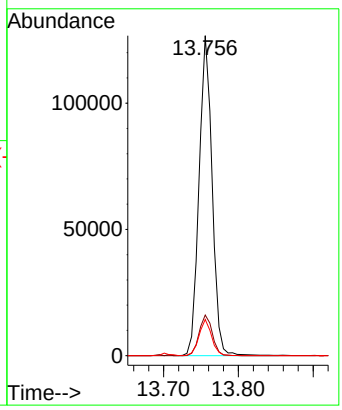


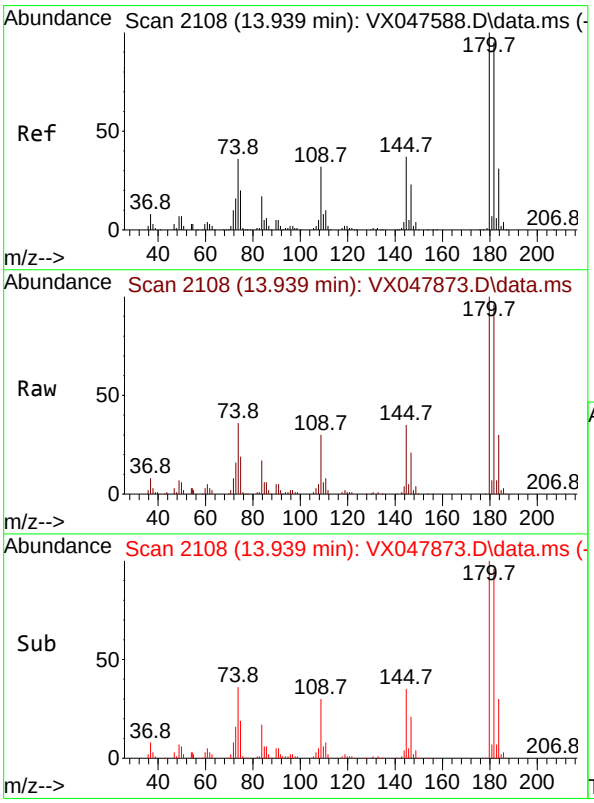
#95
Naphthalene
Concen: 18.167 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0929WBSD01

Tgt Ion:128 Resp: 153884

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.9	8.8	13.2

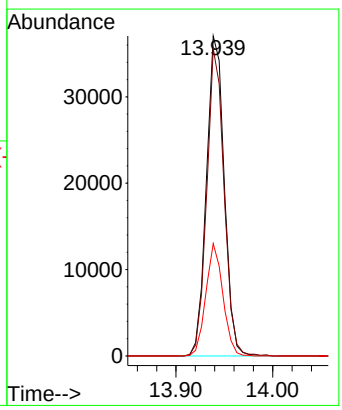




#96
1,2,3-Trichlorobenzene
Concen: 18.324 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047873.D
Acq: 29 Sep 2025 11:26

Tgt Ion:180 Resp: 47416

Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.6	142.8
145	33.7	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047894.D
Acq On : 29 Sep 2025 18:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Sep 30 01:26:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	141754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	256996	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	230930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	116897	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	113890	50.475	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.940%			
35) Dibromofluoromethane	5.379	113	89329	51.828	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.660%			
50) Toluene-d8	8.634	98	300072	50.315	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.640%			
62) 4-Bromofluorobenzene	11.061	95	114868	50.750	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.178	85	82921	56.490	ug/l	98
3) Chloromethane	1.300	50	98786	51.206	ug/l	99
4) Vinyl Chloride	1.380	62	102586	54.322	ug/l	98
5) Bromomethane	1.617	94	64989	54.270	ug/l	97
6) Chloroethane	1.697	64	67958	53.841	ug/l	98
7) Trichlorofluoromethane	1.898	101	150252	53.585	ug/l	97
8) Diethyl Ether	2.136	74	60575	52.810	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	87751	53.520	ug/l	99
10) Methyl Iodide	2.459	142	117956	46.129	ug/l	99
11) Tert butyl alcohol	2.946	59	61349	244.127	ug/l	100
12) 1,1-Dichloroethene	2.325	96	88942	52.810	ug/l	98
13) Acrolein	2.239	56	58194	251.295	ug/l	99
14) Allyl chloride	2.666	41	170065	48.934	ug/l	96
15) Acrylonitrile	3.062	53	270465	290.564	ug/l	98
16) Acetone	2.380	43	210611	214.674	ug/l	96
17) Carbon Disulfide	2.520	76	234301	50.818	ug/l	99
18) Methyl Acetate	2.703	43	136014	62.295	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	324624	52.801	ug/l	99
20) Methylene Chloride	2.788	84	110575	53.246	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	95790	52.828	ug/l	97
22) Diisopropyl ether	3.751	45	360539	53.529	ug/l #	79
23) Vinyl Acetate	3.715	43	1435645	266.323	ug/l	99
24) 1,1-Dichloroethane	3.611	63	191596	53.520	ug/l	99
25) 2-Butanone	4.544	43	322082	263.189	ug/l	99
26) 2,2-Dichloropropane	4.471	77	113858	38.261	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	118553	53.388	ug/l	95
28) Bromochloromethane	4.891	49	85236	54.538	ug/l	99
29) Tetrahydrofuran	4.995	42	204612	277.934	ug/l	99
30) Chloroform	5.086	83	197448	54.580	ug/l	100
31) Cyclohexane	5.464	56	141936	47.604	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	161369	52.589	ug/l	100
36) 1,1-Dichloropropene	5.684	75	122842	48.775	ug/l	98
37) Ethyl Acetate	4.702	43	139441	51.710	ug/l	98
38) Carbon Tetrachloride	5.665	117	137555	50.268	ug/l	97
39) Methylcyclohexane	7.366	83	134800	47.152	ug/l	97
40) Benzene	6.025	78	396956	51.894	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047894.D
Acq On : 29 Sep 2025 18:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Sep 30 01:26:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	74620	53.601	ug/l		99
42) 1,2-Dichloroethane	6.074	62	147288	50.606	ug/l		98
43) Isopropyl Acetate	6.324	43	224358	50.730	ug/l		99
44) Trichloroethene	7.110	130	95061	51.403	ug/l		99
45) 1,2-Dichloropropane	7.415	63	103926	53.058	ug/l		98
46) Dibromomethane	7.568	93	75055	52.657	ug/l		98
47) Bromodichloromethane	7.805	83	155440	52.847	ug/l		98
48) Methyl methacrylate	7.677	41	116118	52.710	ug/l		97
49) 1,4-Dioxane	7.653	88	27191	1221.341	ug/l		97
51) 4-Methyl-2-Pentanone	8.555	43	679506	277.112	ug/l		100
52) Toluene	8.702	92	241599	51.265	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	147217	49.069	ug/l		98
54) cis-1,3-Dichloropropene	8.354	75	159099	49.614	ug/l		97
55) 1,1,2-Trichloroethane	9.134	97	97671	53.747	ug/l		98
56) Ethyl methacrylate	9.104	69	152310	53.369	ug/l		97
57) 1,3-Dichloropropane	9.293	76	168581	54.003	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	376121	274.070	ug/l		100
59) 2-Hexanone	9.415	43	465582	264.369	ug/l		98
60) Dibromochloromethane	9.506	129	114768	54.812	ug/l		99
61) 1,2-Dibromoethane	9.592	107	101423	54.796	ug/l		100
64) Tetrachloroethene	9.256	164	75672	50.266	ug/l		98
65) Chlorobenzene	10.061	112	268830	51.242	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.146	131	95467	52.734	ug/l		99
67) Ethyl Benzene	10.177	91	453059	50.050	ug/l		99
68) m/p-Xylenes	10.287	106	343431	101.931	ug/l		97
69) o-Xylene	10.628	106	166251	51.015	ug/l		99
70) Styrene	10.640	104	296064	51.849	ug/l		98
71) Bromoform	10.780	173	73079	54.061	ug/l	#	98
73) Isopropylbenzene	10.945	105	421544	47.432	ug/l		99
74) N-amyl acetate	10.829	43	194666	48.033	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	139335	51.820	ug/l		99
76) 1,2,3-Trichloropropane	11.219	75	149875	63.324	ug/l		89
77) Bromobenzene	11.183	156	106374	48.598	ug/l		97
78) n-propylbenzene	11.286	91	500518	47.642	ug/l		100
79) 2-Chlorotoluene	11.347	91	303228	47.125	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	348489	47.727	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	40190	43.303	ug/l		98
82) 4-Chlorotoluene	11.439	91	360882	47.487	ug/l		99
83) tert-Butylbenzene	11.695	119	347894	46.544	ug/l		98
84) 1,2,4-Trimethylbenzene	11.731	105	353530	47.757	ug/l		100
85) sec-Butylbenzene	11.872	105	416252	46.884	ug/l		100
86) p-Isopropyltoluene	11.994	119	350486	46.630	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	193973	47.710	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	197037	47.220	ug/l		99
89) n-Butylbenzene	12.317	91	319474	45.935	ug/l		98
90) Hexachloroethane	12.518	117	62717	47.526	ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	187886	48.507	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	26226	48.175	ug/l		94
93) 1,2,4-Trichlorobenzene	13.567	180	113275	44.998	ug/l		97
94) Hexachlorobutadiene	13.707	225	37447	43.795	ug/l		98
95) Naphthalene	13.756	128	370931	48.390	ug/l		99
96) 1,2,3-Trichlorobenzene	13.938	180	109453	46.742	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047894.D
Acq On : 29 Sep 2025 18:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Sep 30 01:26:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

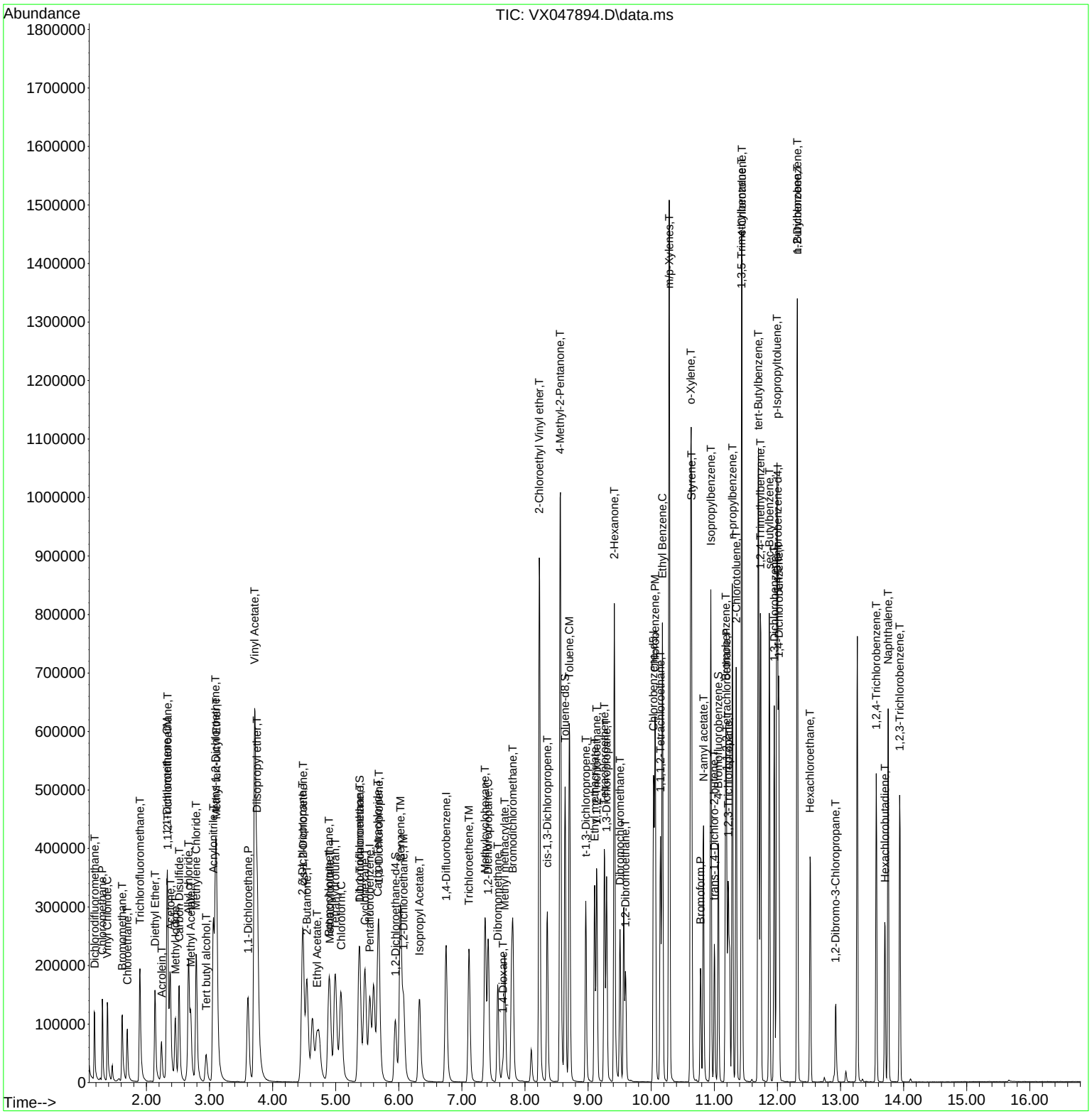
(#) = qualifier out of range (m) = manual integration (+) = signals summed

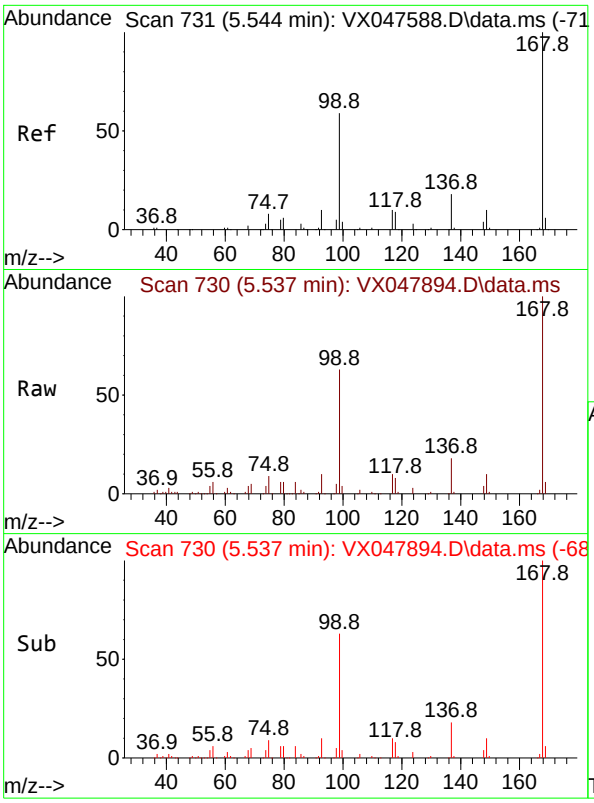
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
Data File : VX047894.D
Acq On : 29 Sep 2025 18:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Sep 30 01:26:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



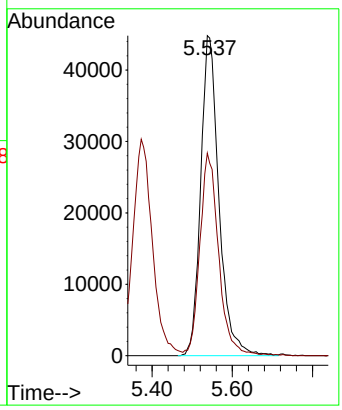


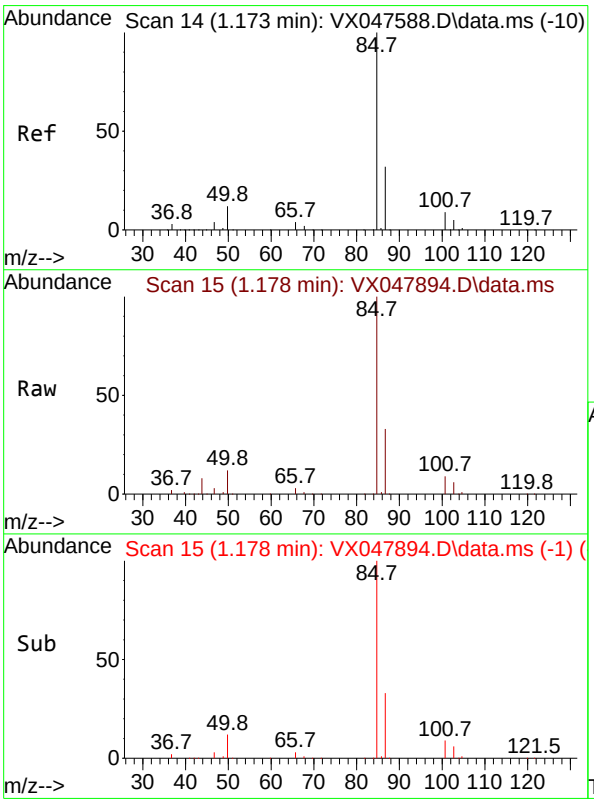
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 141754

Ion	Ratio	Lower	Upper
168	100		
99	63.0	48.8	73.2

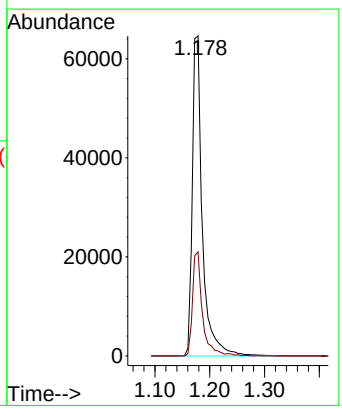


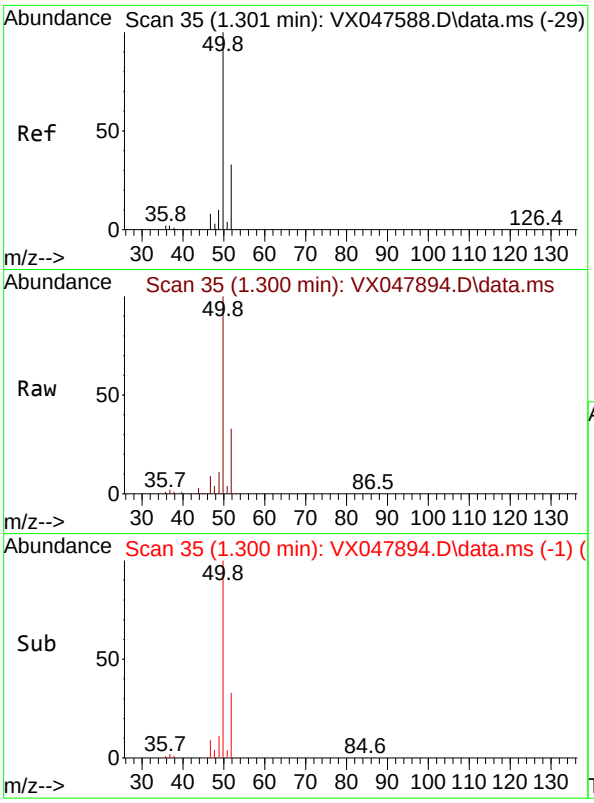


#2
Dichlorodifluoromethane
Concen: 56.490 ug/l
RT: 1.178 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 85 Resp: 82921

Ion	Ratio	Lower	Upper
85	100		
87	32.8	15.8	47.3



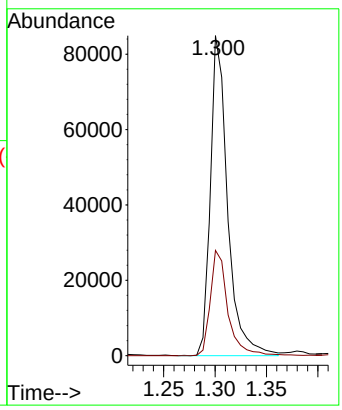


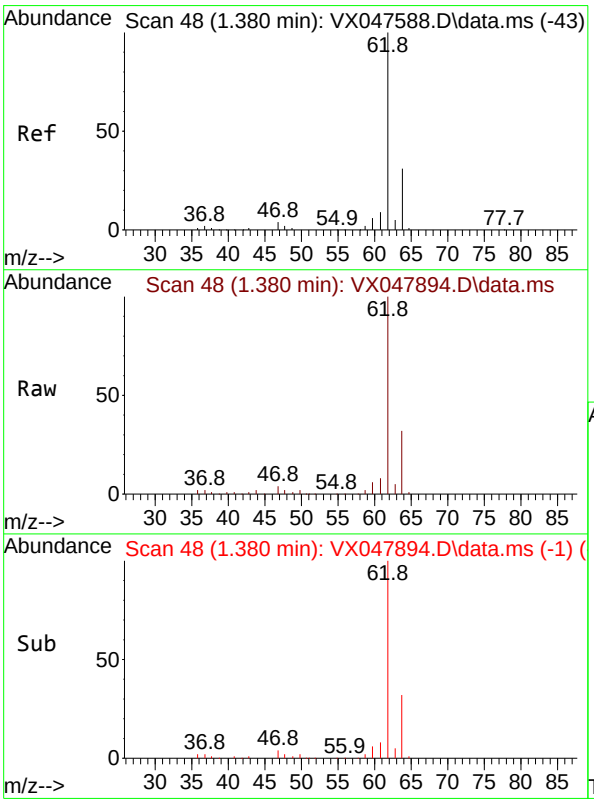
#3
Chloromethane
Concen: 51.206 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 98786

Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.1	39.1

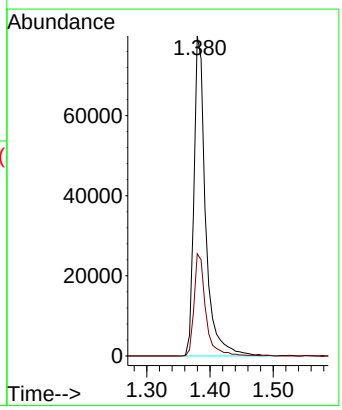


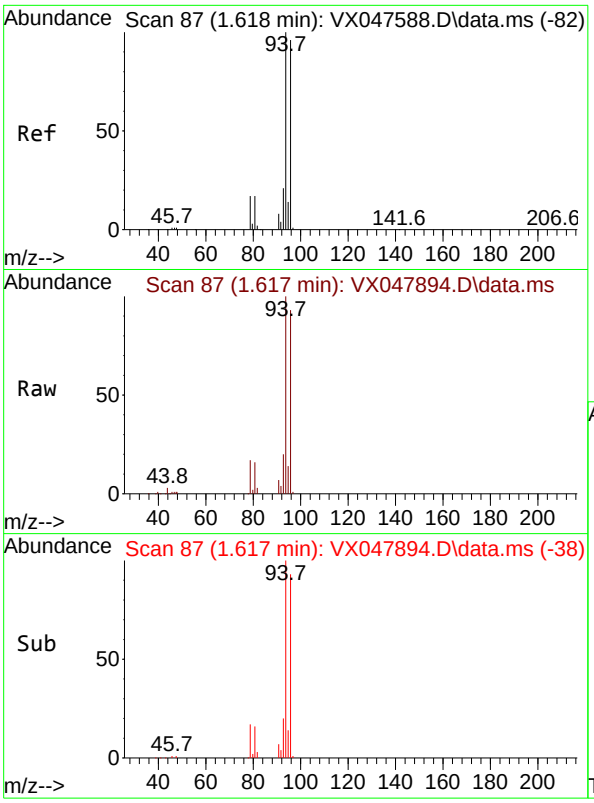


#4
Vinyl Chloride
Concen: 54.322 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 62 Resp: 102586

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.9	37.3



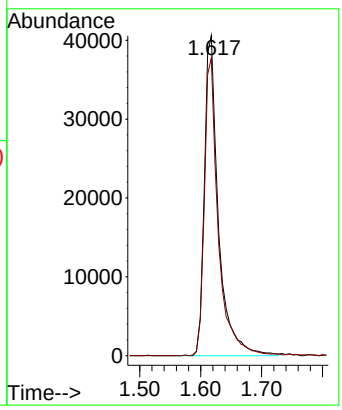


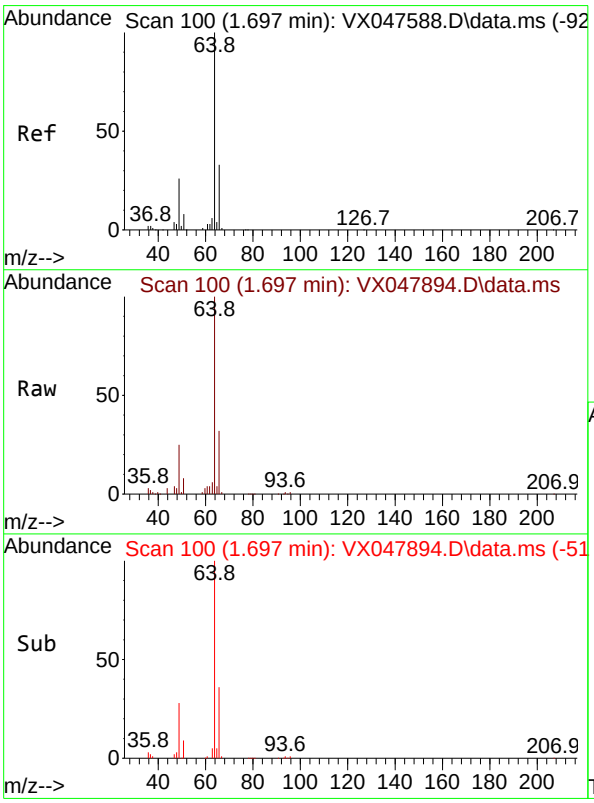
#5
Bromomethane
Concen: 54.270 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 64989

Ion	Ratio	Lower	Upper
94	100		
96	93.1	76.6	115.0

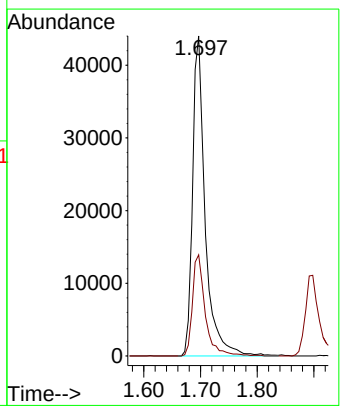


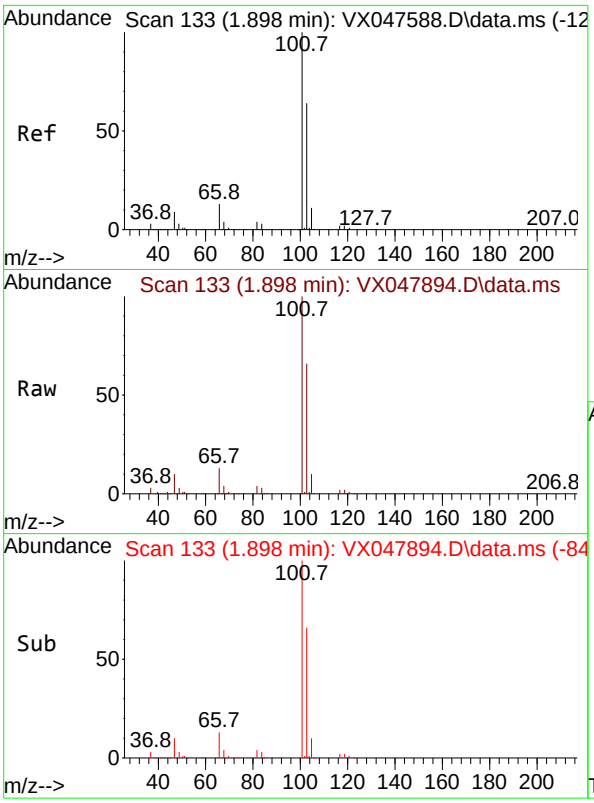


#6
Chloroethane
Concen: 53.841 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 64 Resp: 67958

Ion	Ratio	Lower	Upper
64	100		
66	31.6	26.1	39.1



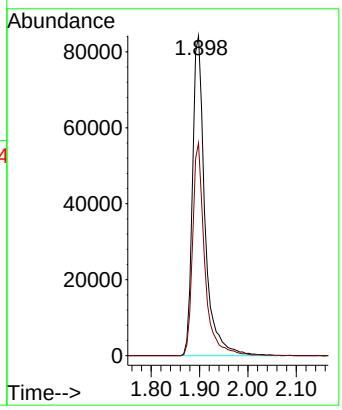


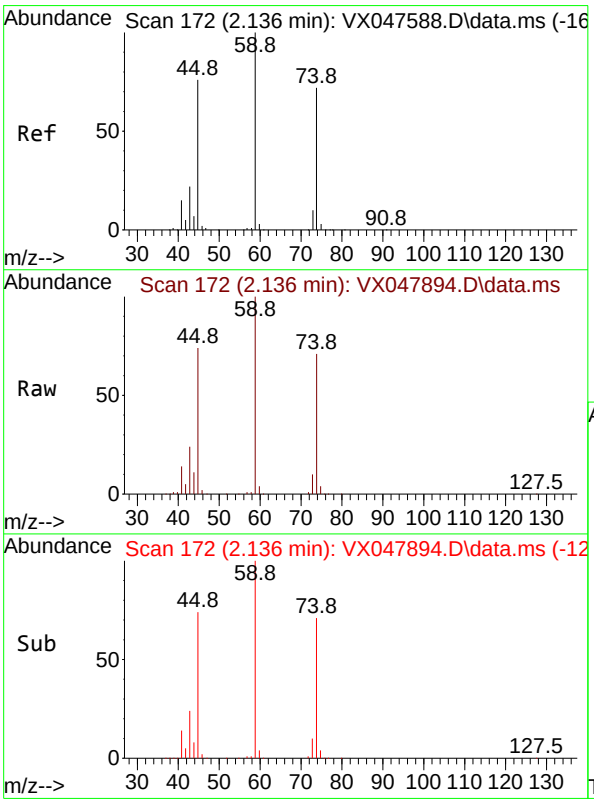
#7
Trichlorofluoromethane
Concen: 53.585 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 150252

Ion	Ratio	Lower	Upper
101	100		
103	66.4	51.4	77.2

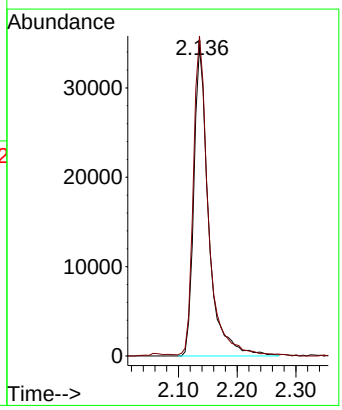


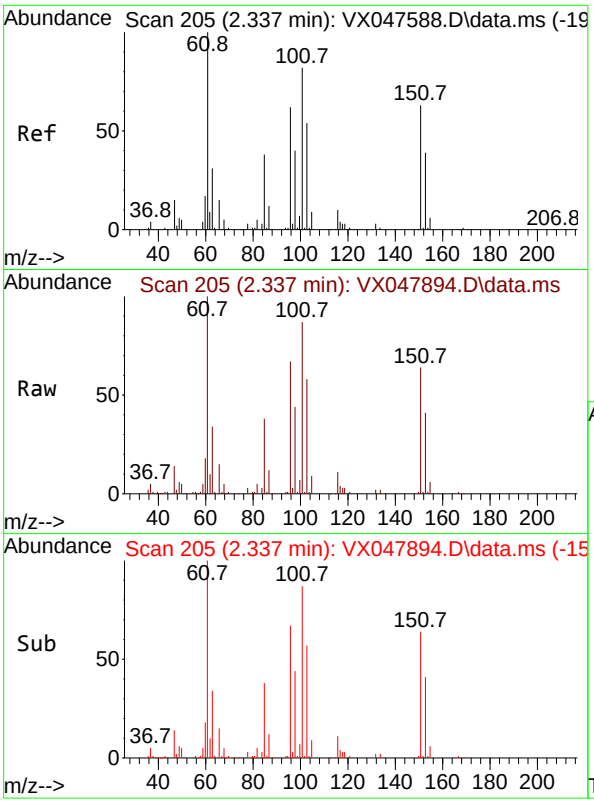


#8
Diethyl Ether
Concen: 52.810 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 74 Resp: 60575

Ion	Ratio	Lower	Upper
74	100		
45	106.1	52.3	156.8



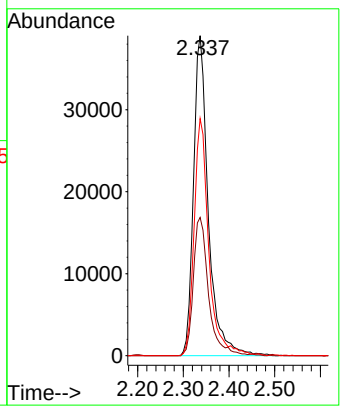


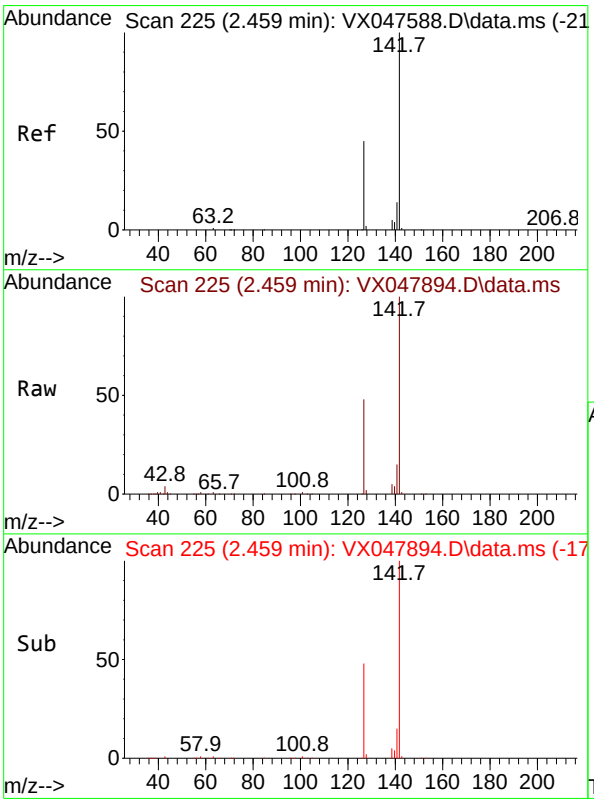
#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.520 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 87751

Ion	Ratio	Lower	Upper
101	100		
85	44.6	35.5	53.3
151	73.3	59.4	89.0

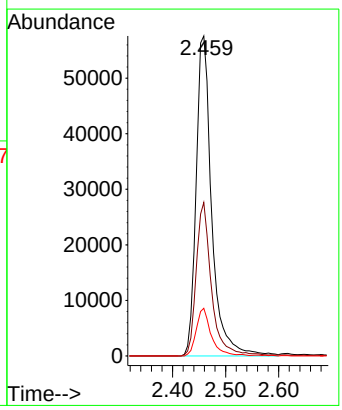


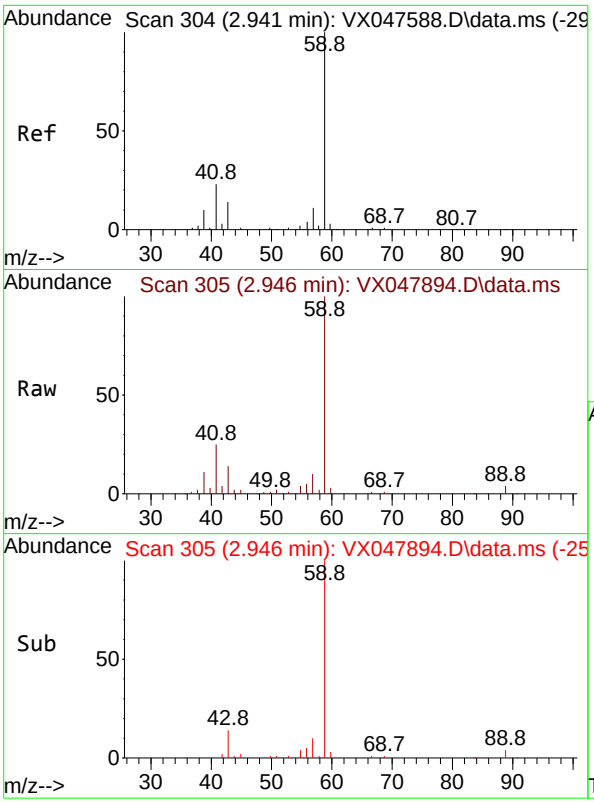


#10
Methyl Iodide
Concen: 46.129 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:142 Resp: 117956

Ion	Ratio	Lower	Upper
142	100		
127	46.9	37.2	55.8
141	14.3	11.4	17.0



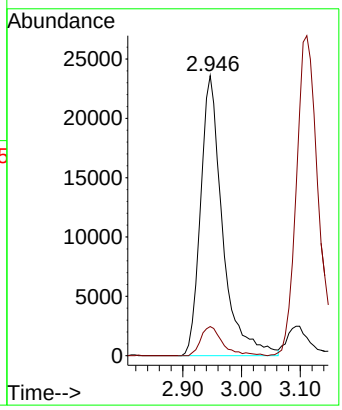


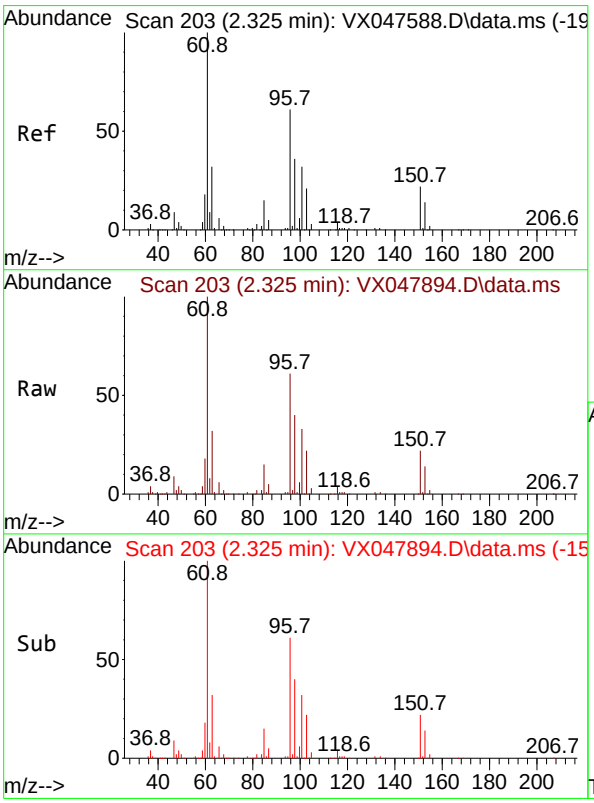
#11
Tert butyl alcohol
Concen: 244.127 ug/l
RT: 2.946 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 61349

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.3	12.5

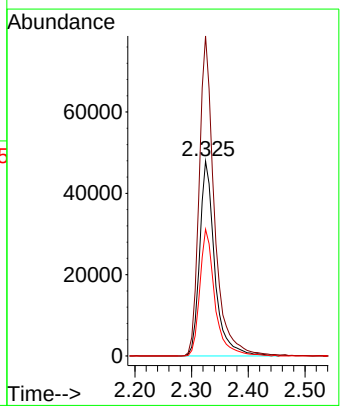


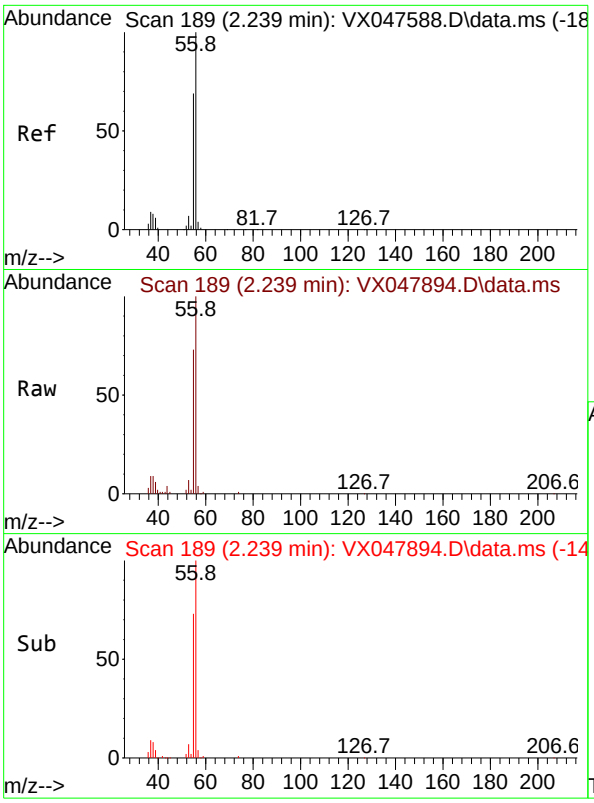


#12
1,1-Dichloroethene
Concen: 52.810 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 96 Resp: 88942

Ion	Ratio	Lower	Upper
96	100		
61	164.2	131.0	196.6
98	65.0	47.7	71.5



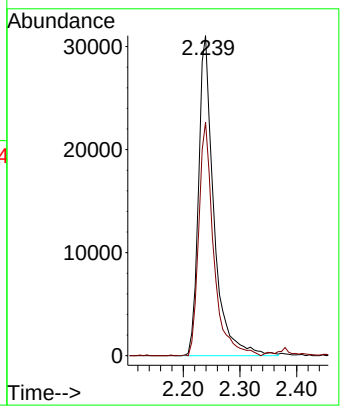


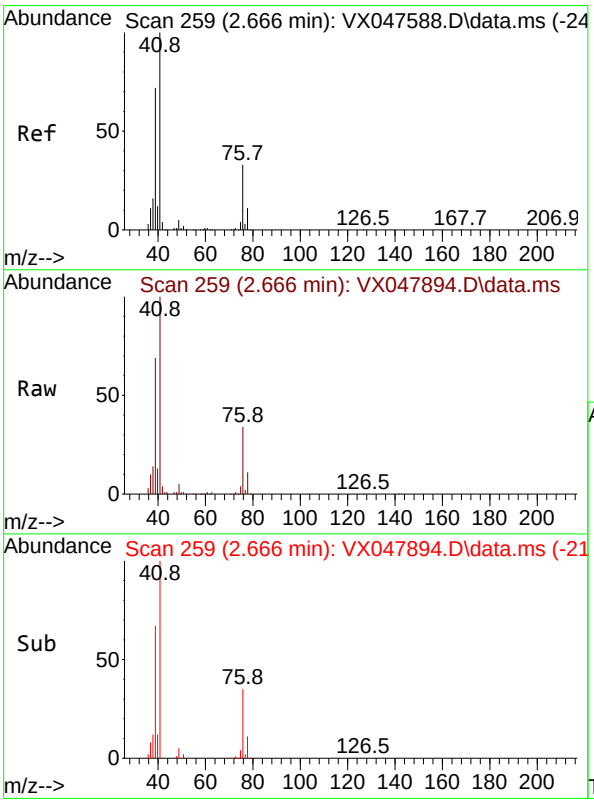
#13
Acrolein
Concen: 251.295 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 58194

Ion	Ratio	Lower	Upper
56	100		
55	71.0	57.2	85.8

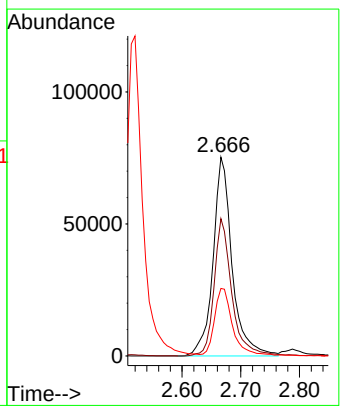


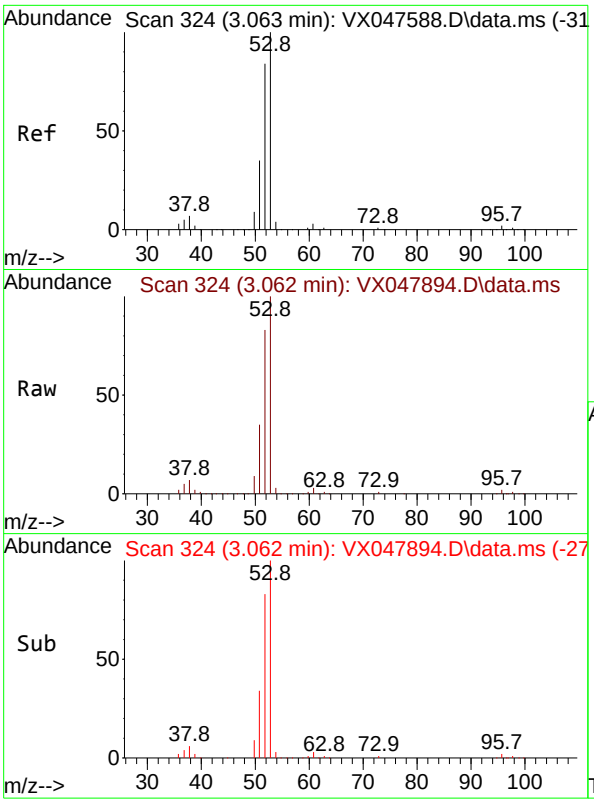


#14
Allyl chloride
Concen: 48.934 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 41 Resp: 170065

Ion	Ratio	Lower	Upper
41	100		
39	64.3	54.7	82.1
76	32.8	25.7	38.5



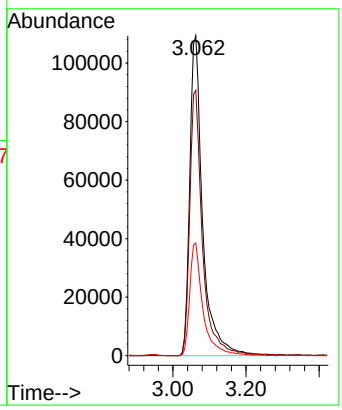


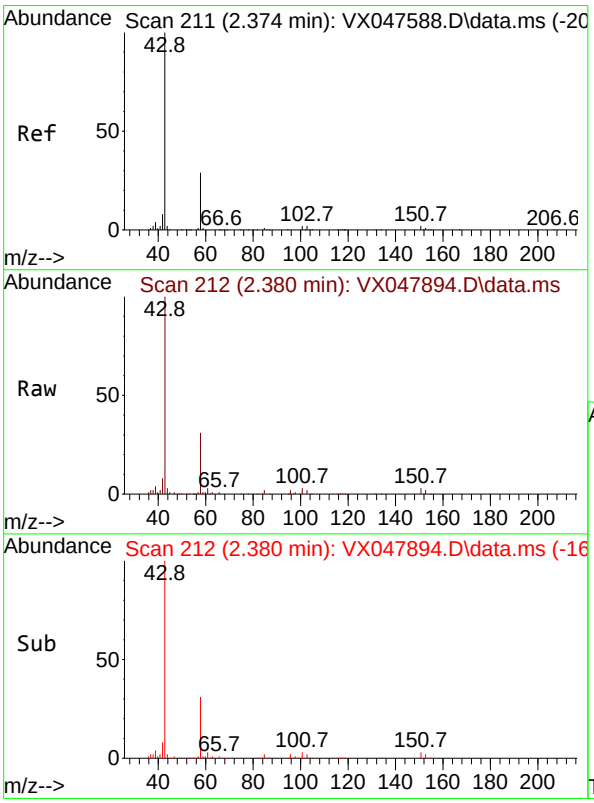
#15
Acrylonitrile
Concen: 290.564 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 270465

Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.4	99.6
51	35.9	29.5	44.3

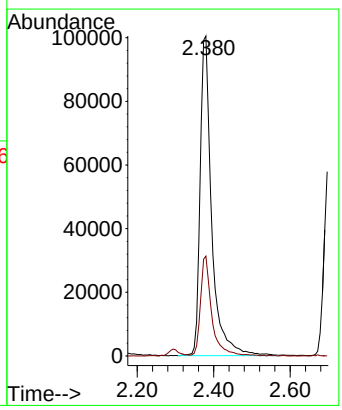


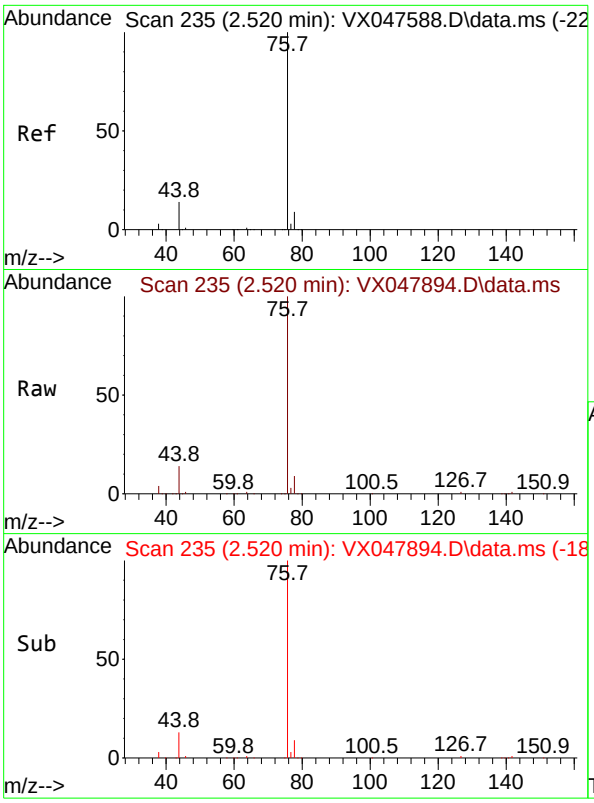


#16
Acetone
Concen: 214.674 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 43 Resp: 210611

Ion	Ratio	Lower	Upper
43	100		
58	31.2	23.4	35.0



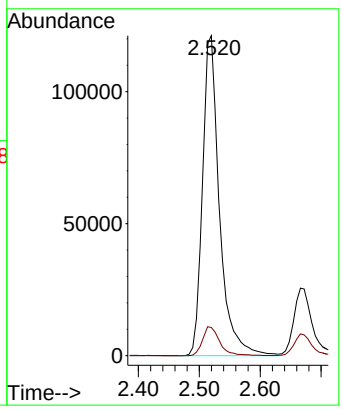


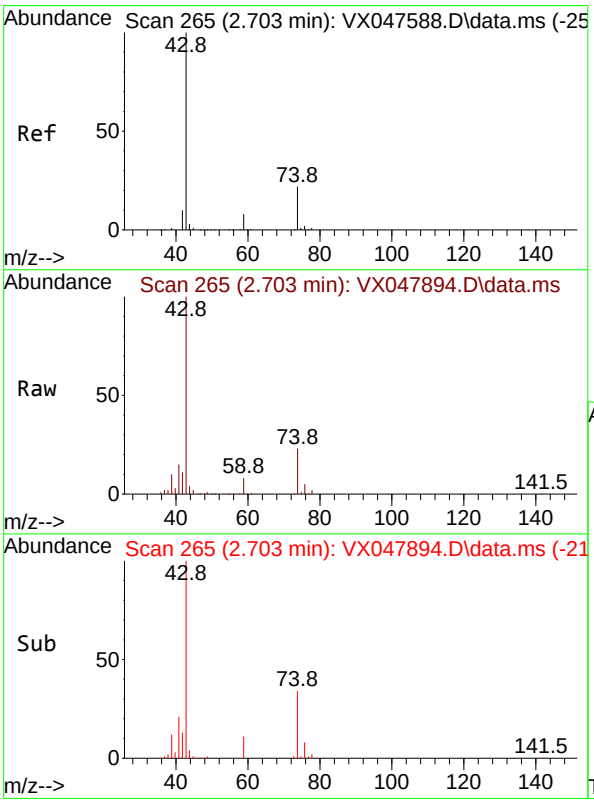
#17
Carbon Disulfide
Concen: 50.818 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 234301

Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.8	10.2

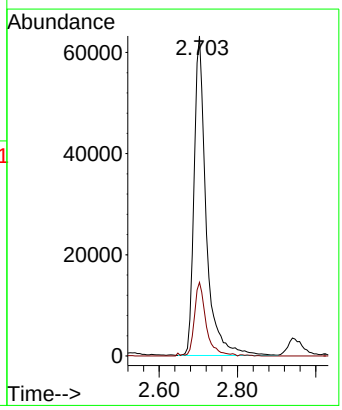


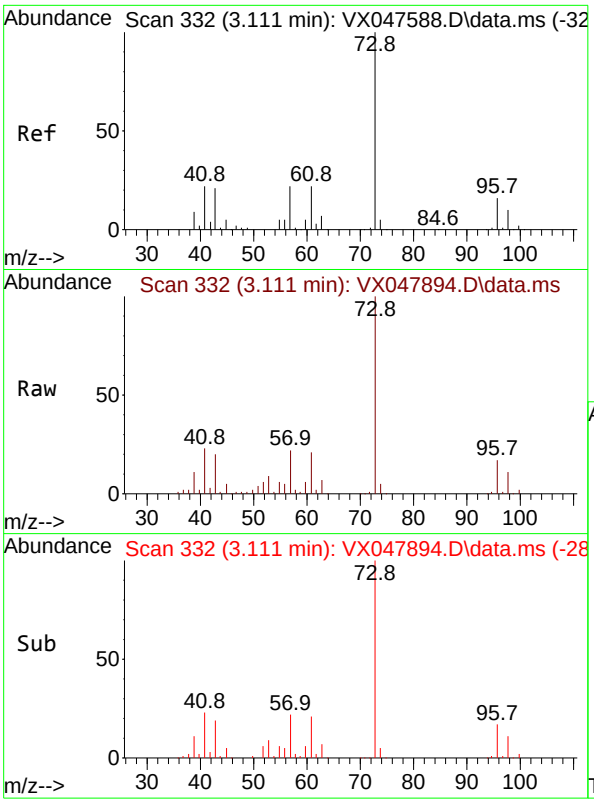


#18
Methyl Acetate
Concen: 62.295 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 43 Resp: 136014

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2



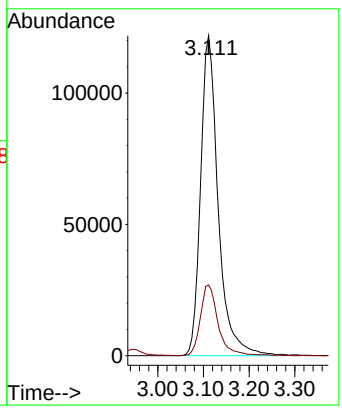


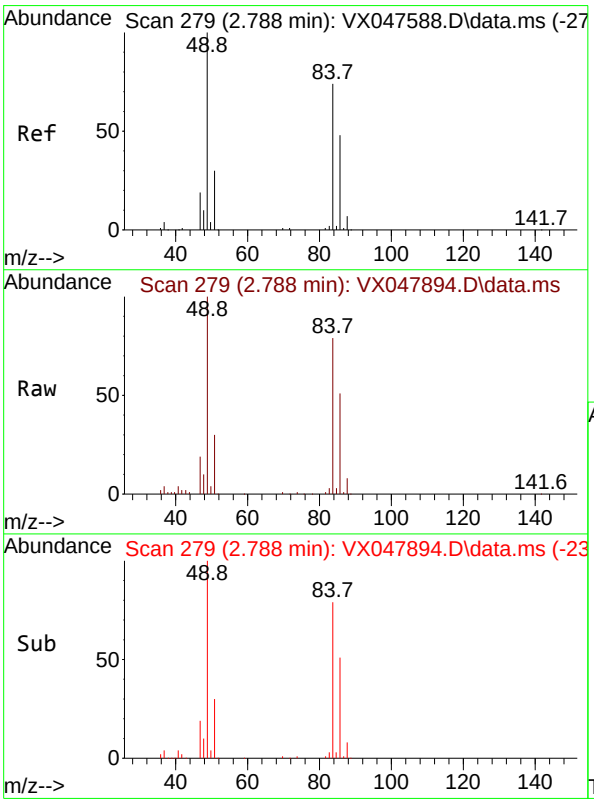
#19
Methyl tert-butyl Ether
Concen: 52.801 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 324624

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.4	26.2

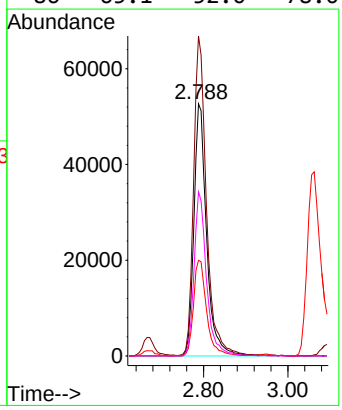


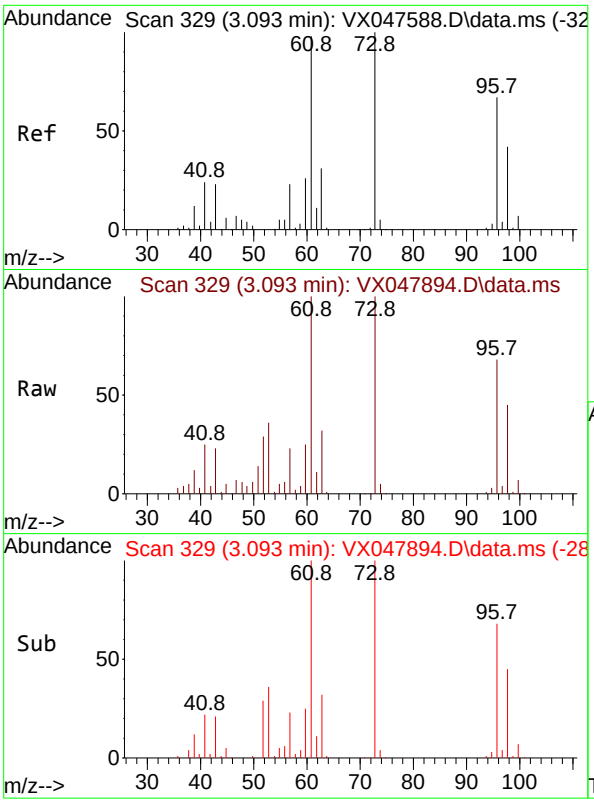


#20
Methylene Chloride
Concen: 53.246 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 84 Resp: 110575

Ion	Ratio	Lower	Upper
84	100		
49	126.7	108.6	162.8
51	37.8	32.6	48.8
86	65.1	52.0	78.0



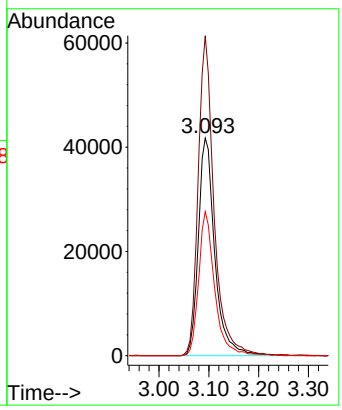


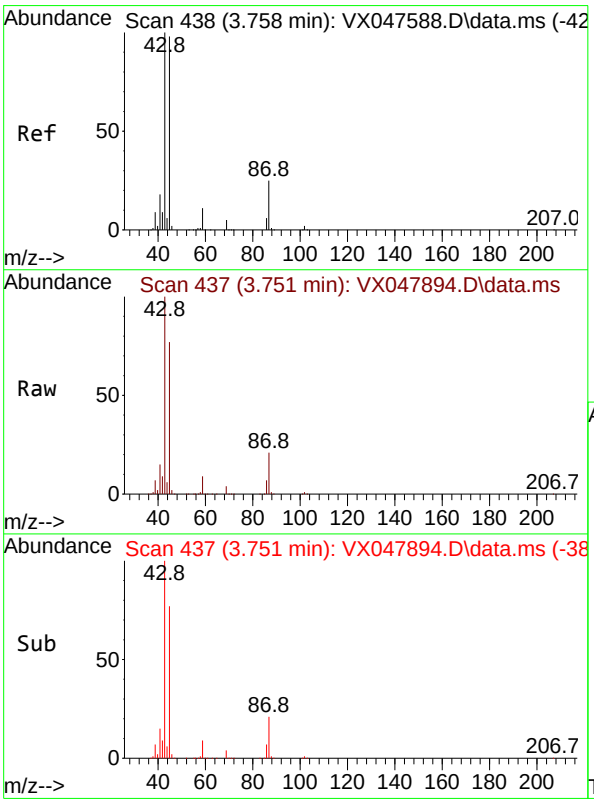
#21
trans-1,2-Dichloroethene
Concen: 52.828 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 95790

Ion	Ratio	Lower	Upper
96	100		
61	147.1	116.2	174.2
98	66.2	49.3	73.9

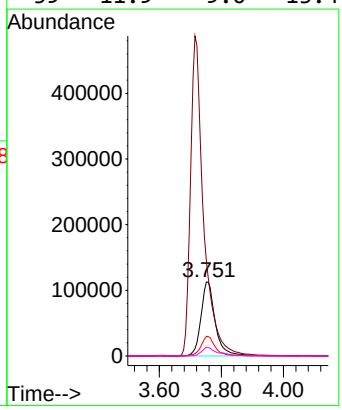


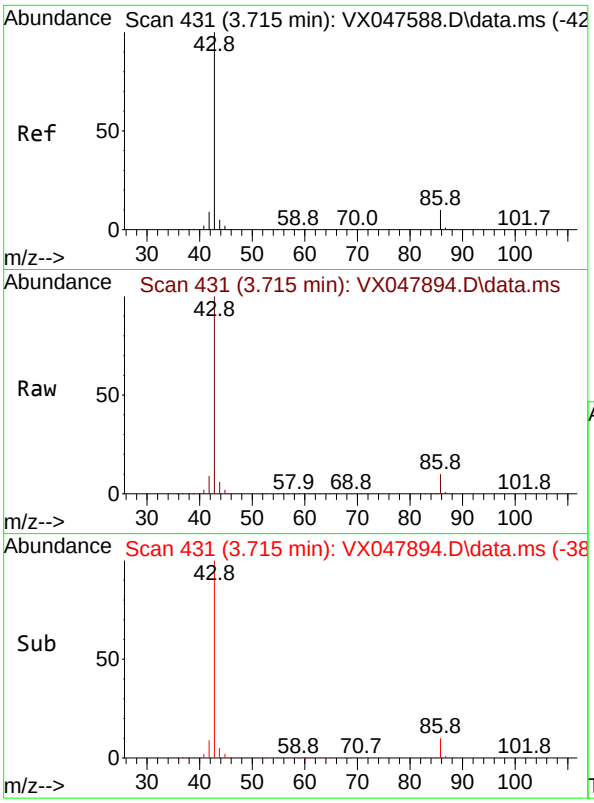


#22
Diisopropyl ether
Concen: 53.529 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 45 Resp: 360539

Ion	Ratio	Lower	Upper
45	100		
43	129.1	81.0	121.4#
87	26.6	20.3	30.5
59	11.9	9.0	13.4



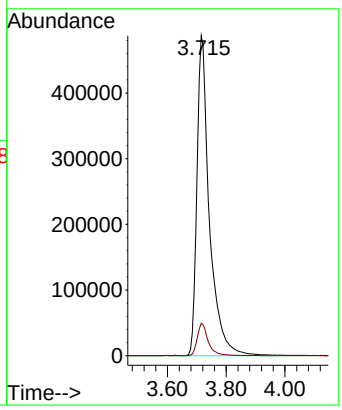


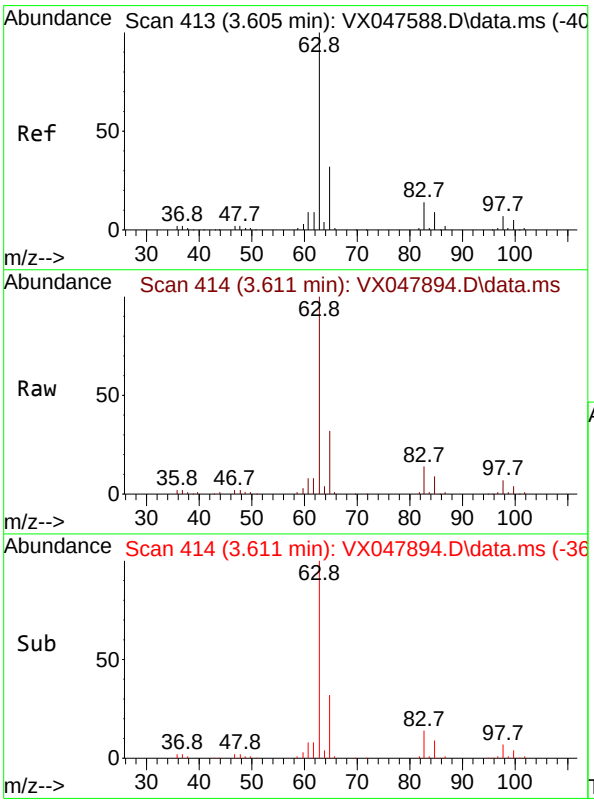
#23
Vinyl Acetate
Concen: 266.323 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1435645

Ion	Ratio	Lower	Upper
43	100		
86	10.1	7.8	11.8

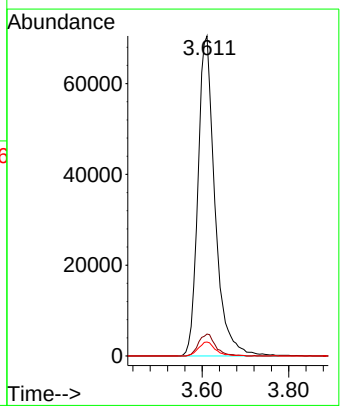


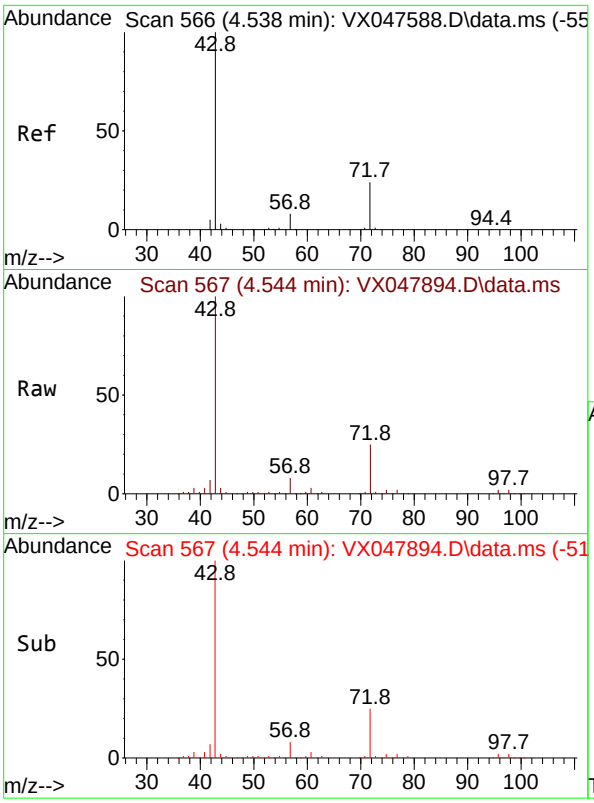


#24
1,1-Dichloroethane
Concen: 53.520 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 63 Resp: 191596

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.8	11.2
100	4.3	2.3	6.9



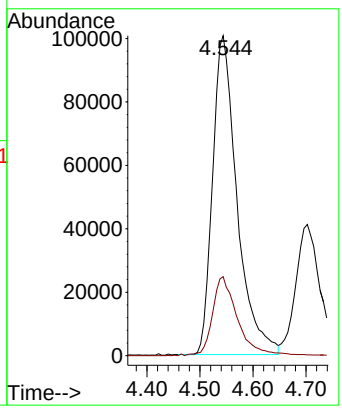


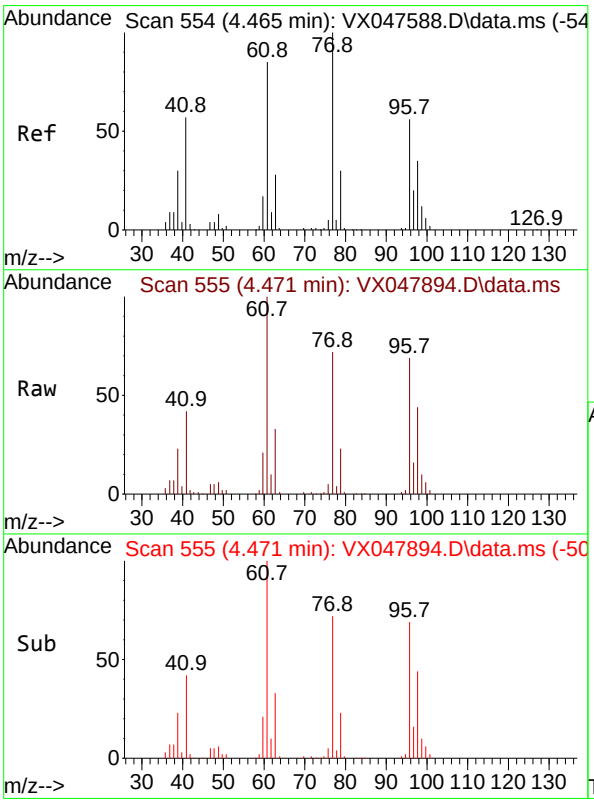
#25
2-Butanone
Concen: 263.189 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 322082

Ion	Ratio	Lower	Upper
43	100		
72	24.6	20.1	30.1

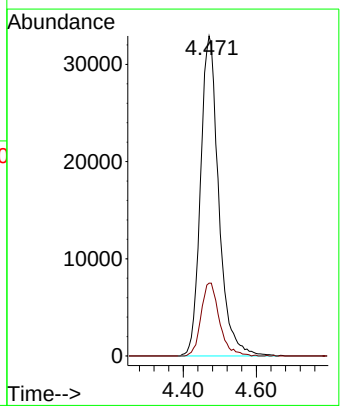


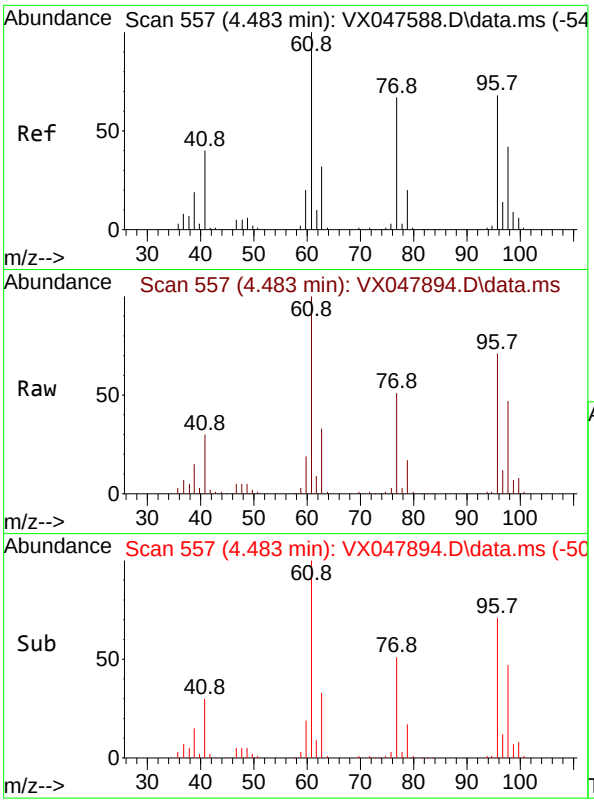


#26
2,2-Dichloropropane
Concen: 38.261 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 77 Resp: 113858

Ion	Ratio	Lower	Upper
77	100		
97	23.0	10.9	32.7



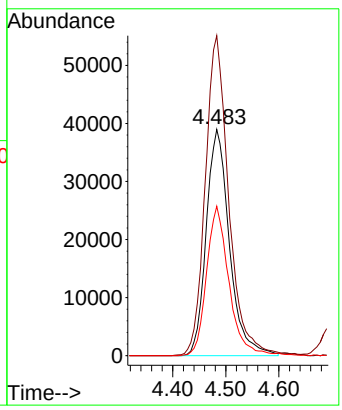


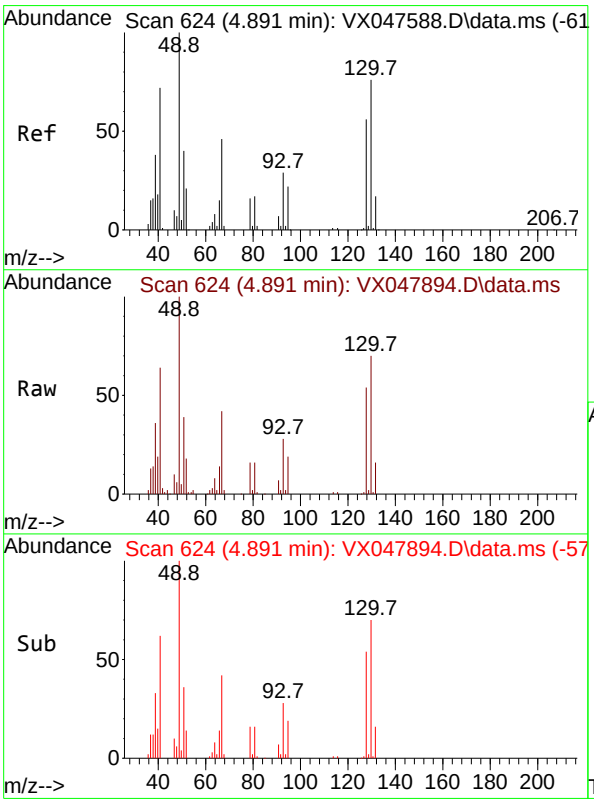
#27
cis-1,2-Dichloroethene
Concen: 53.388 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 118553

Ion	Ratio	Lower	Upper
96	100		
61	143.2	0.0	303.2
98	63.9	0.0	127.8

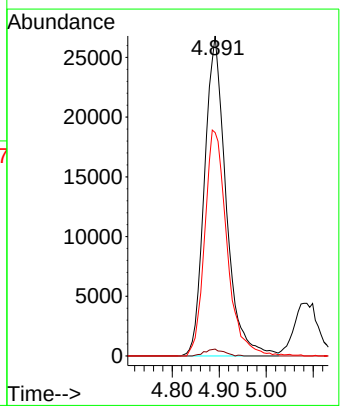


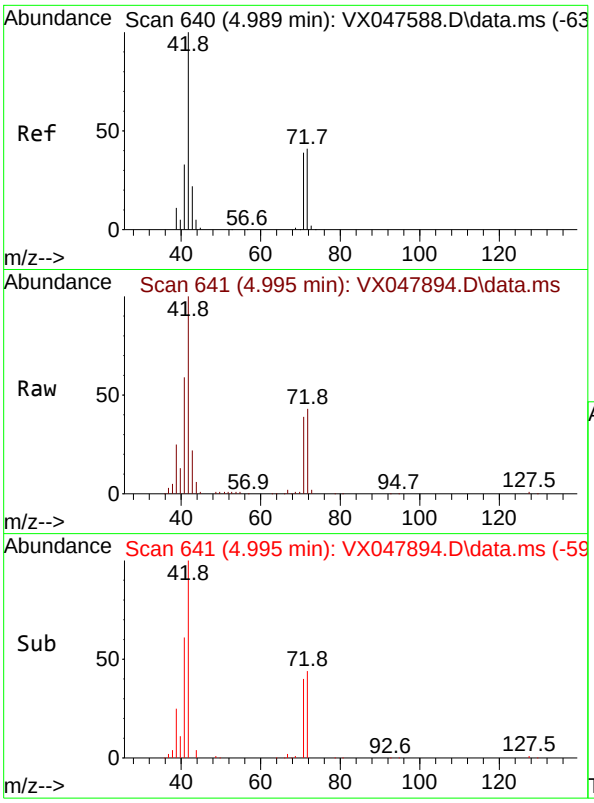


#28
Bromochloromethane
Concen: 54.538 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 49 Resp: 85236

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.2
130	73.1	57.8	86.8



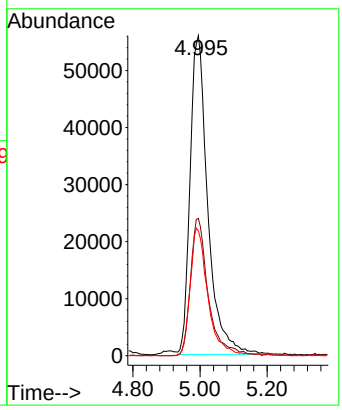


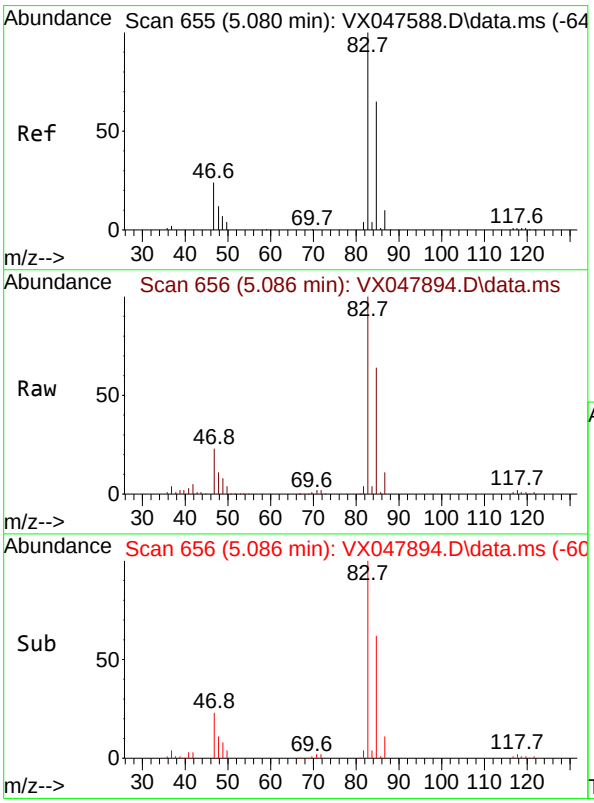
#29
Tetrahydrofuran
Concen: 277.934 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 204612

Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.2	51.2
71	39.9	31.9	47.9

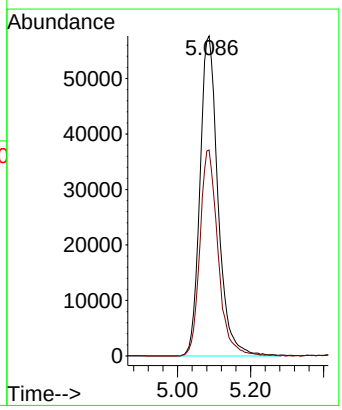


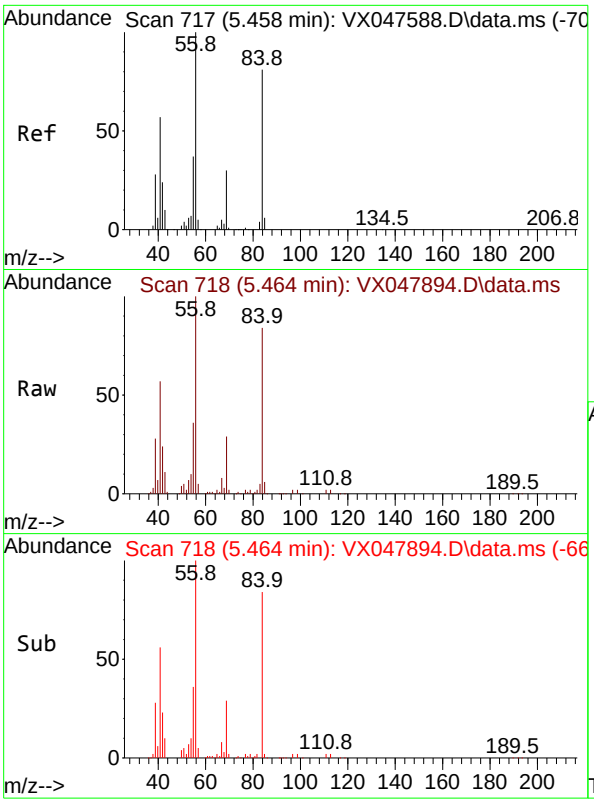


#30
Chloroform
Concen: 54.580 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 83 Resp: 197448

Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.6



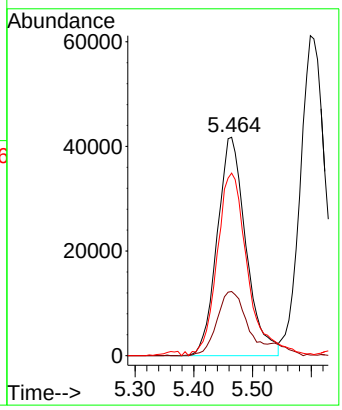


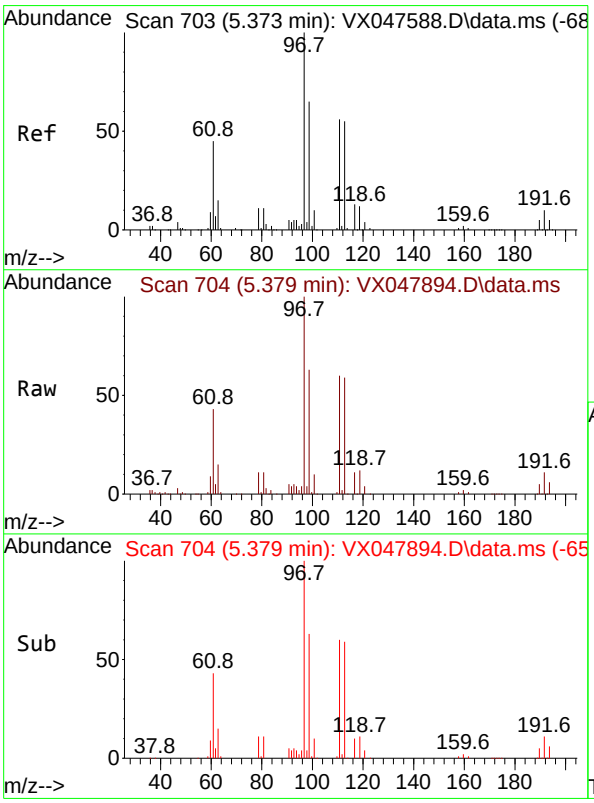
#31
Cyclohexane
Concen: 47.604 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 141936

Ion	Ratio	Lower	Upper
56	100		
69	28.9	23.8	35.8
84	81.6	64.6	97.0

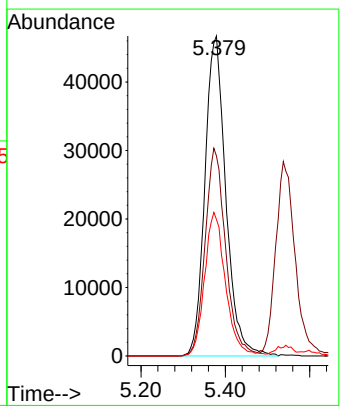


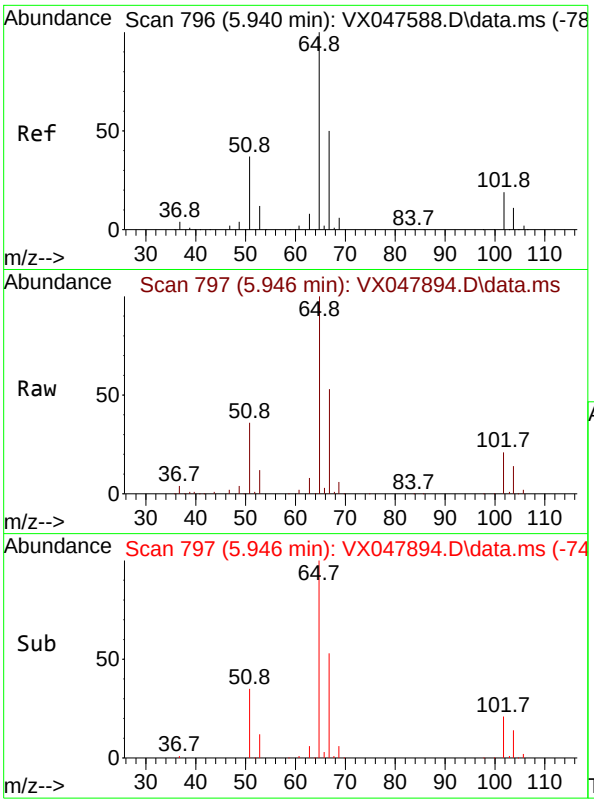


#32
1,1,1-Trichloroethane
Concen: 52.589 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 97 Resp: 161369

Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.6	76.0
61	44.9	35.8	53.8



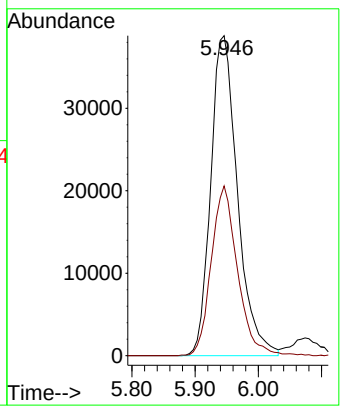


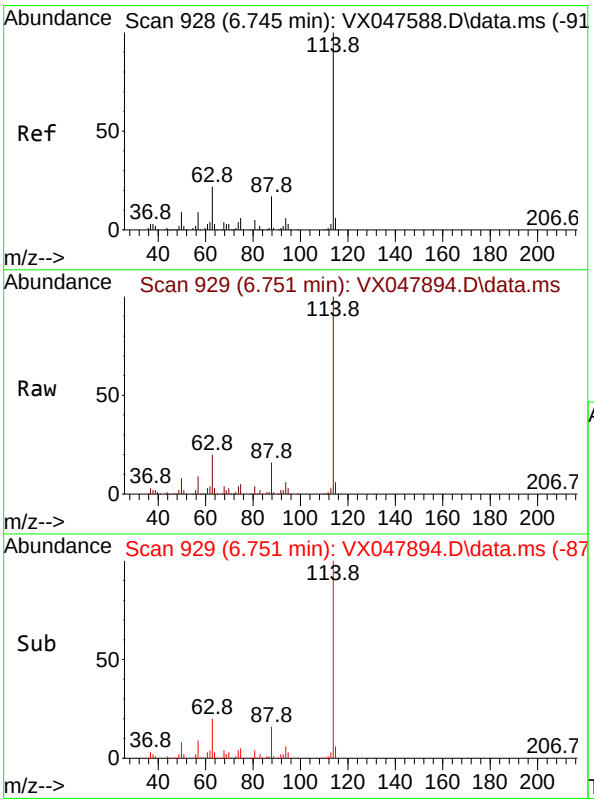
#33
1,2-Dichloroethane-d4
Concen: 50.475 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 113890

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	103.0

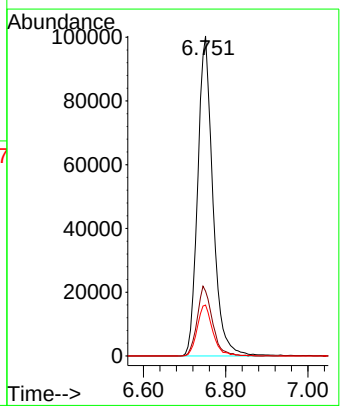


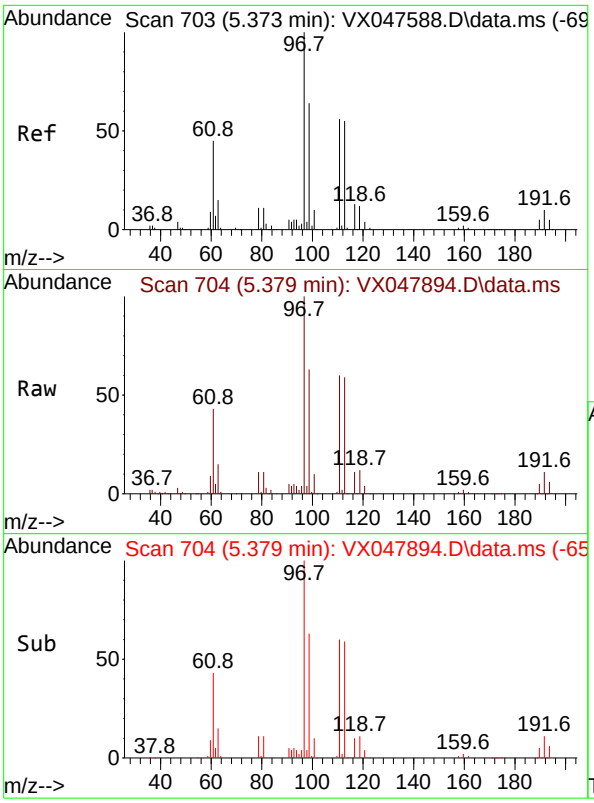


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:114 Resp: 256996

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	44.0
88	15.9	0.0	34.2



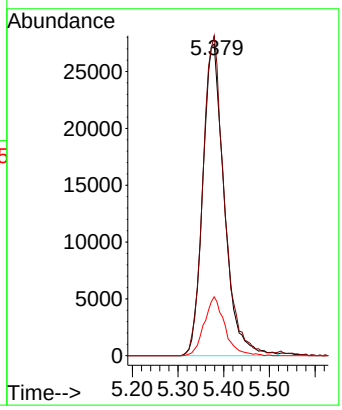


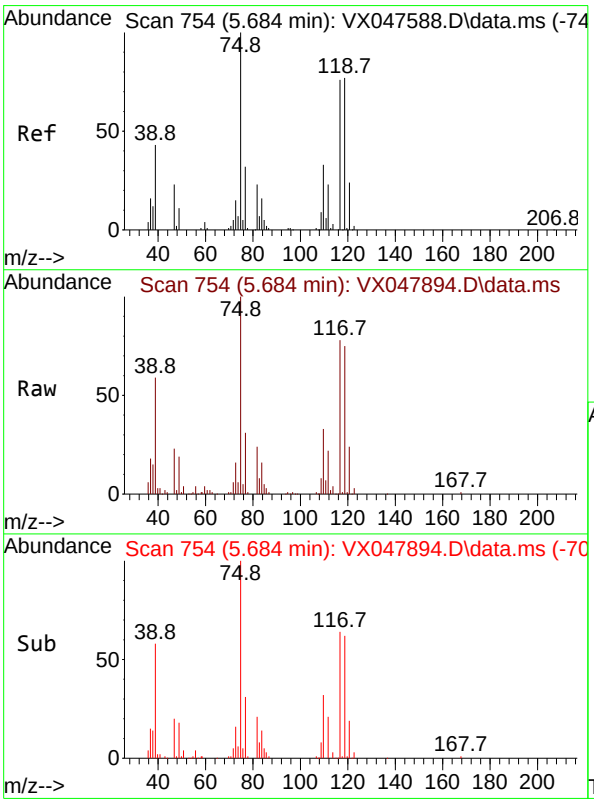
#35
Dibromofluoromethane
Concen: 51.828 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 89329

Ion	Ratio	Lower	Upper
113	100		
111	102.1	80.9	121.3
192	18.1	14.2	21.4

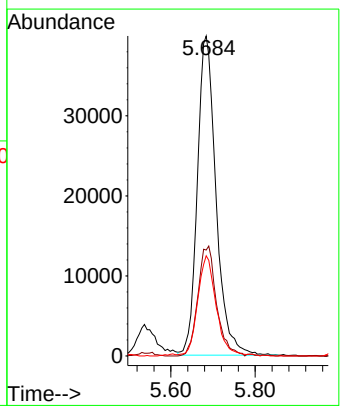


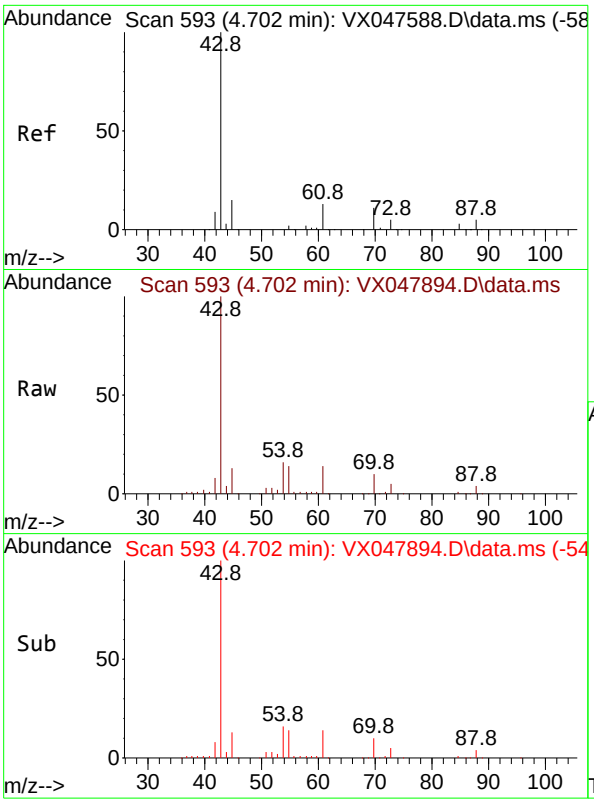


#36
1,1-Dichloropropene
Concen: 48.775 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 75 Resp: 122842

Ion	Ratio	Lower	Upper
75	100		
110	34.5	16.7	50.1
77	31.2	24.3	36.5



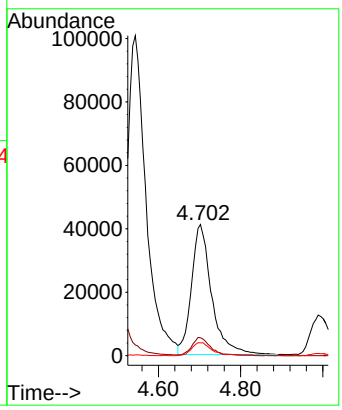


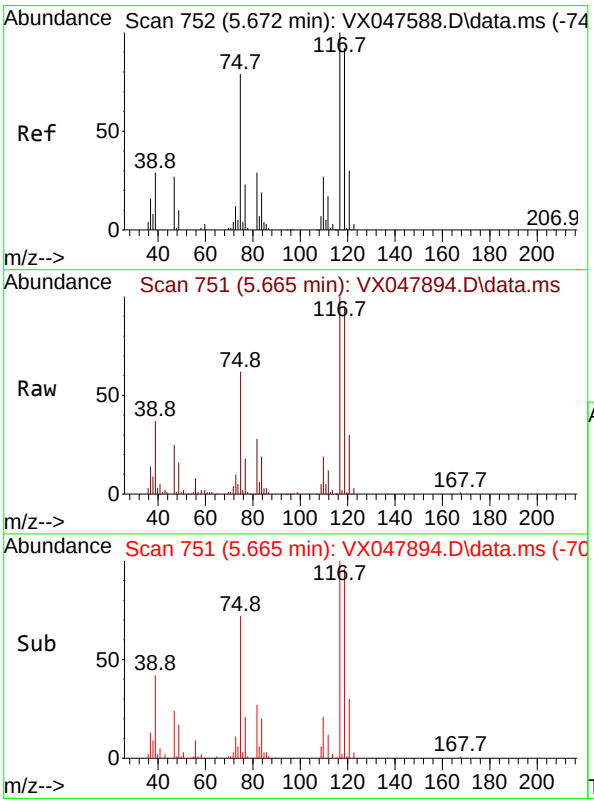
#37
Ethyl Acetate
Concen: 51.710 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 139441

Ion	Ratio	Lower	Upper
43	100		
61	13.5	9.8	14.8
70	9.5	7.9	11.9

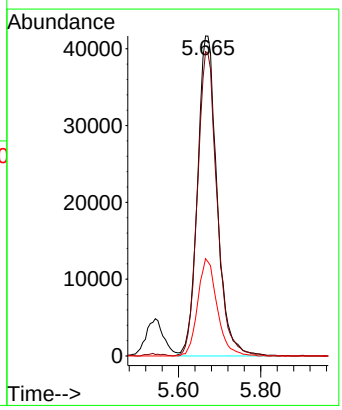


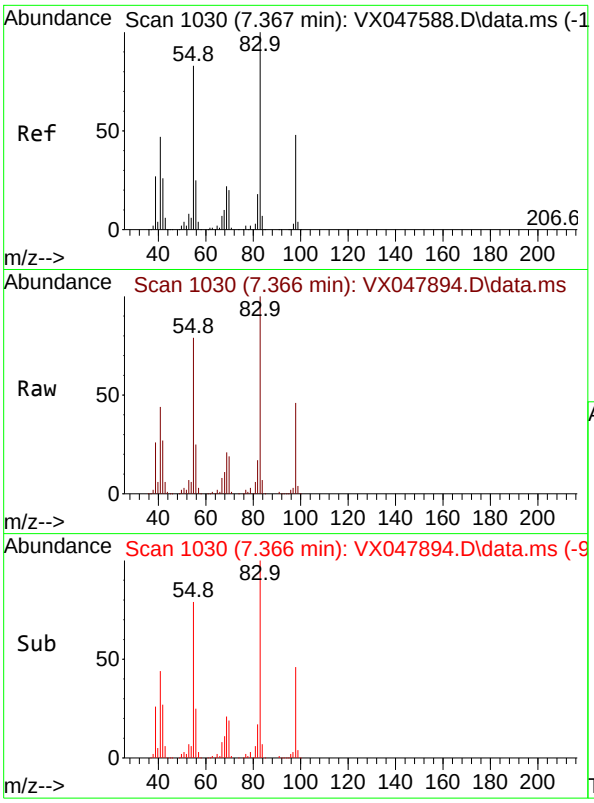


#38
Carbon Tetrachloride
Concen: 50.268 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:117 Resp: 137555

Ion	Ratio	Lower	Upper
117	100		
119	95.1	73.4	110.2
121	30.4	23.8	35.6



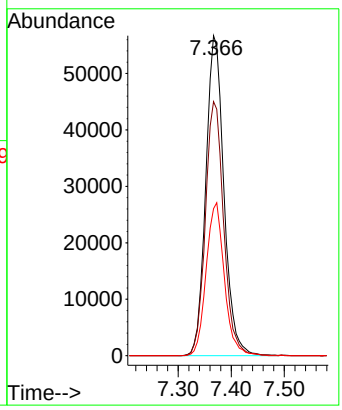


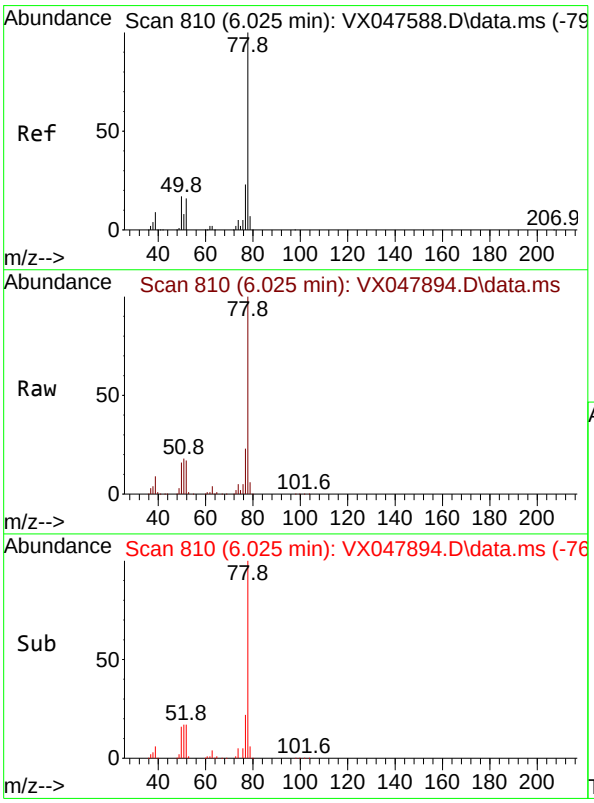
#39
Methylcyclohexane
Concen: 47.152 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 134800

Ion	Ratio	Lower	Upper
83	100		
55	79.4	66.4	99.6
98	46.0	38.1	57.1

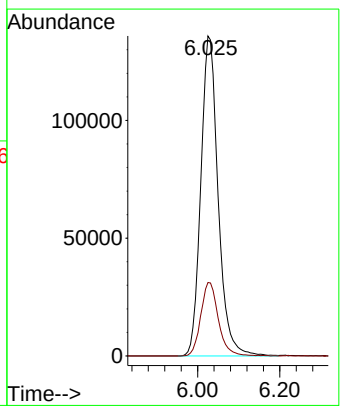


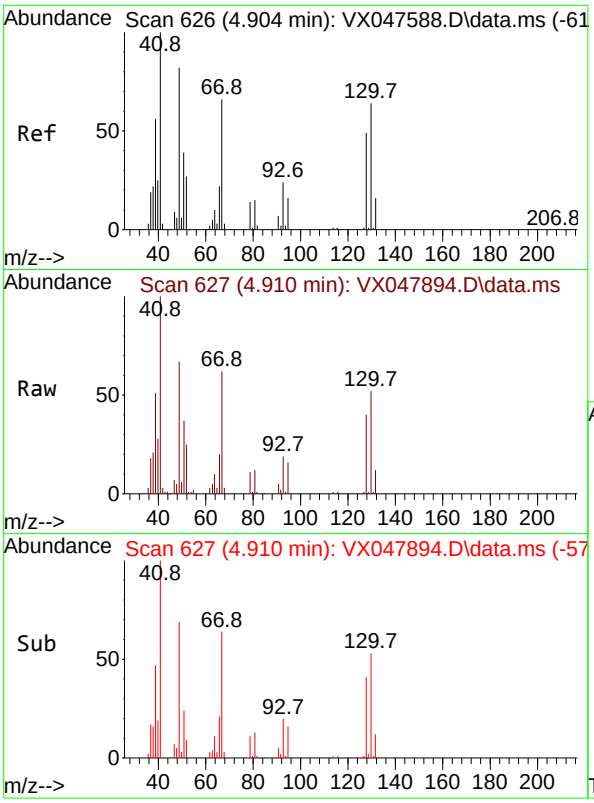


#40
Benzene
Concen: 51.894 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 78 Resp: 396956

Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.8	28.2



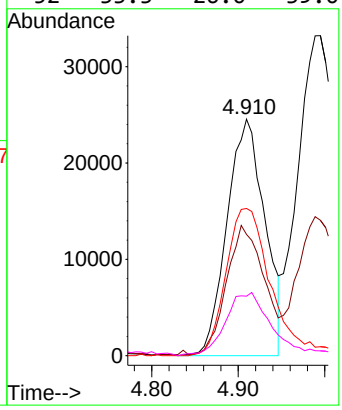


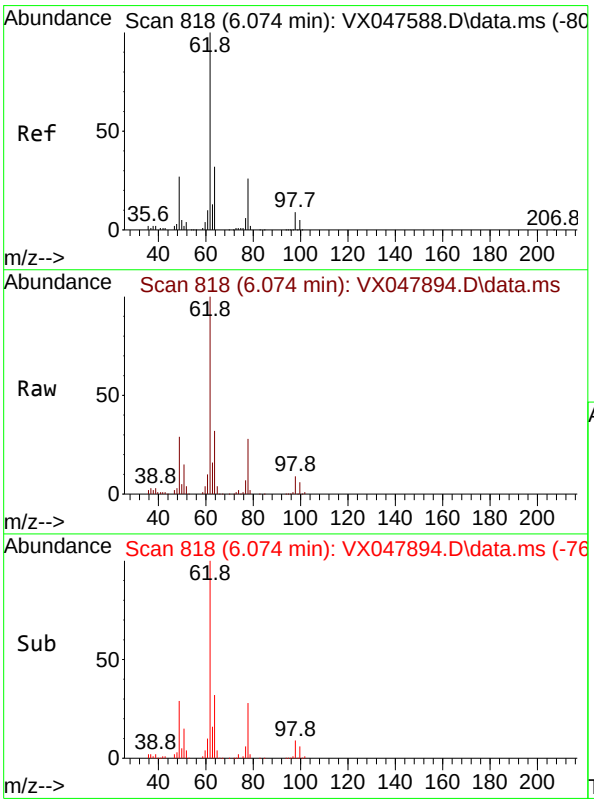
#41
Methacrylonitrile
Concen: 53.601 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 74620

Ion	Ratio	Lower	Upper
41	100		
39	53.7	43.3	64.9
67	73.8	58.6	87.8
52	33.3	26.0	39.0

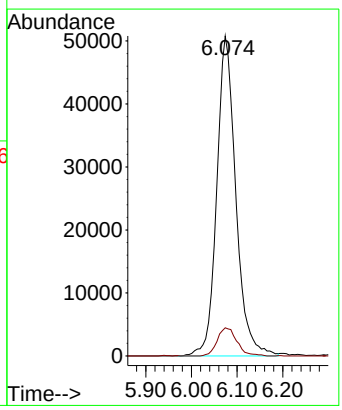


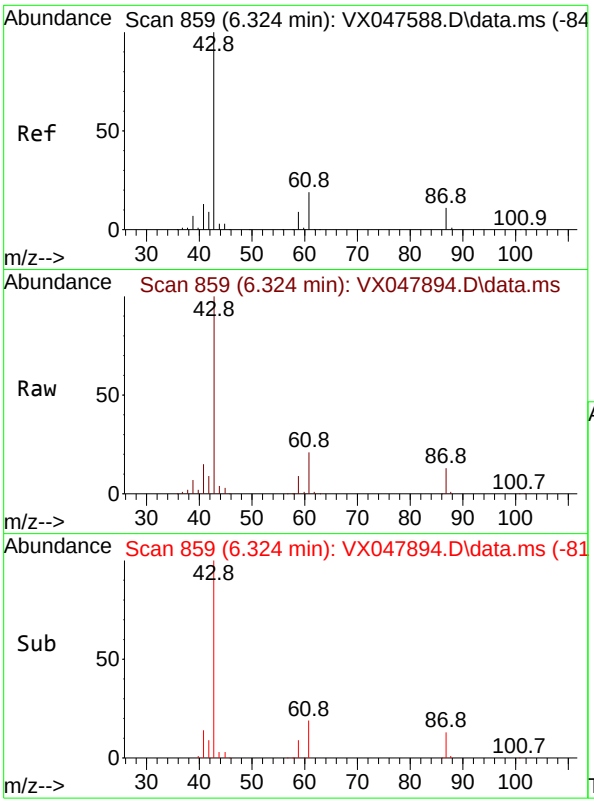


#42
1,2-Dichloroethane
Concen: 50.606 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 62 Resp: 147288

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.0



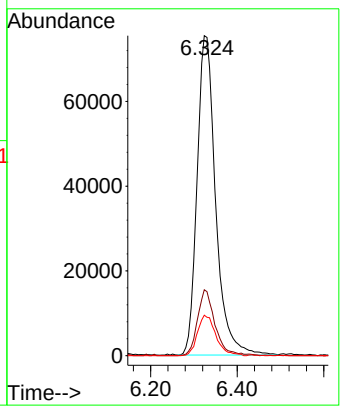


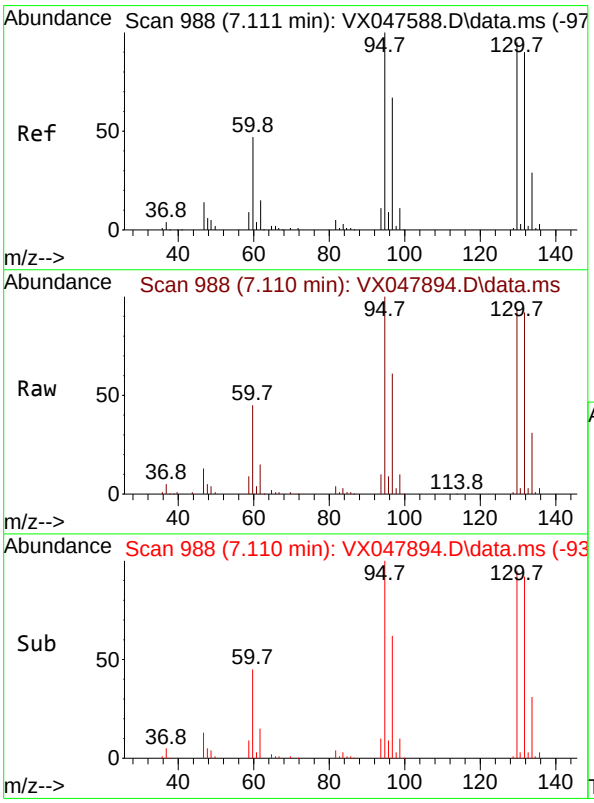
#43
Isopropyl Acetate
Concen: 50.730 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 224358

Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.2	22.8
87	12.6	9.6	14.4

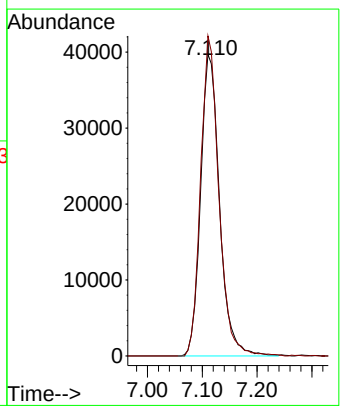


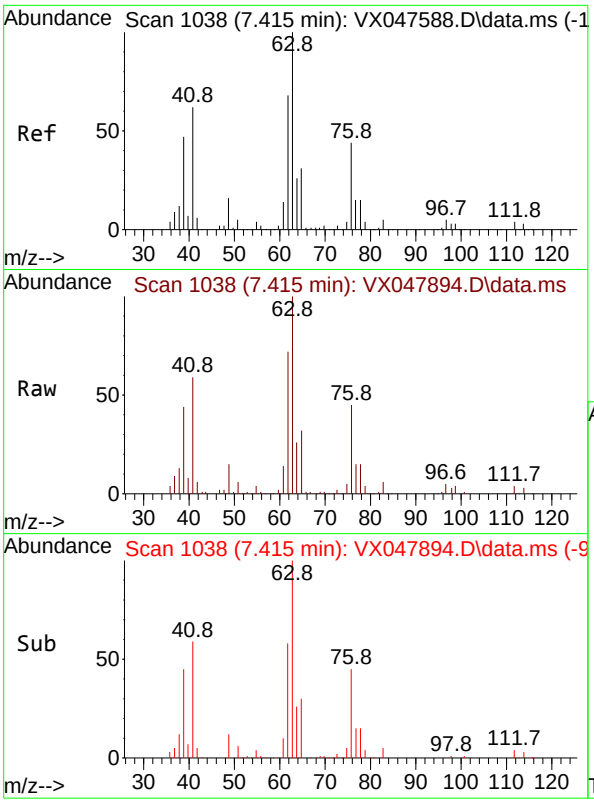


#44
Trichloroethene
Concen: 51.403 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:130 Resp: 95061

Ion	Ratio	Lower	Upper
130	100		
95	106.1	0.0	210.8



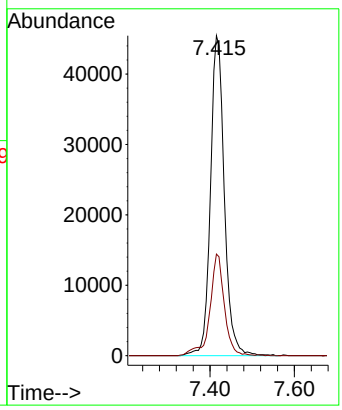


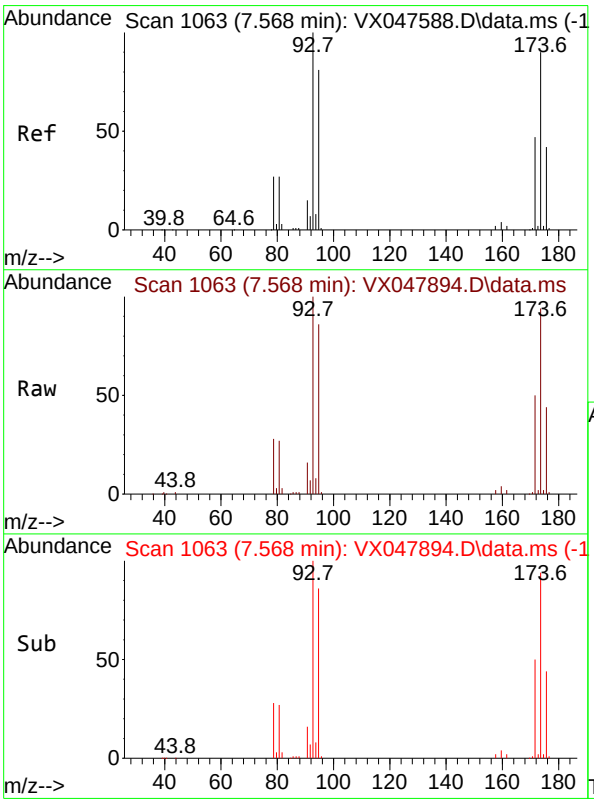
#45
1,2-Dichloropropane
Concen: 53.058 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 103926

Ion	Ratio	Lower	Upper
63	100		
65	31.8	24.7	37.1

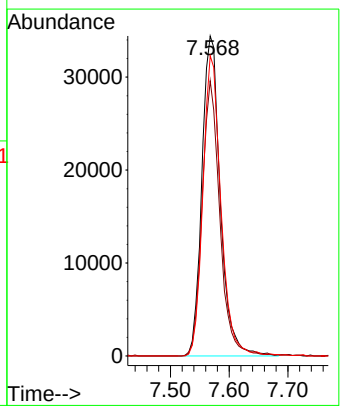


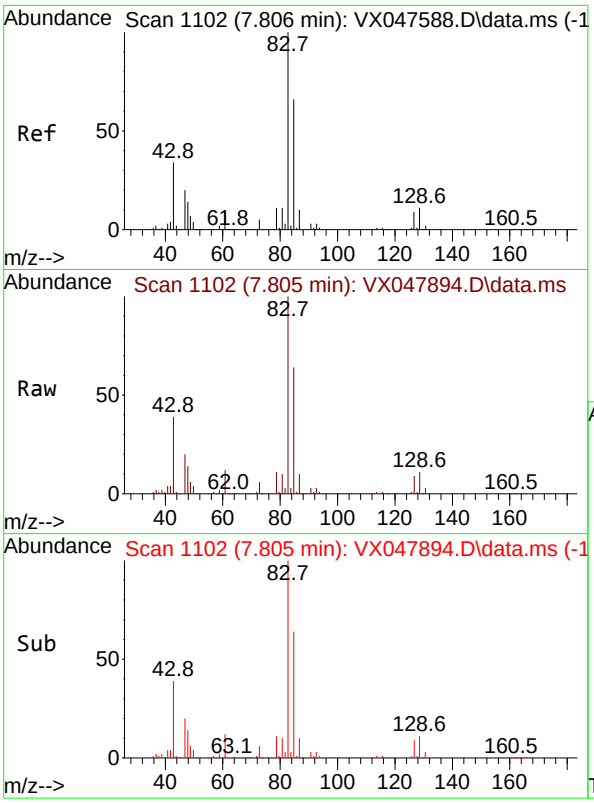


#46
Dibromomethane
Concen: 52.657 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 93 Resp: 75055

Ion	Ratio	Lower	Upper
93	100		
95	82.7	65.0	97.6
174	92.1	71.6	107.4



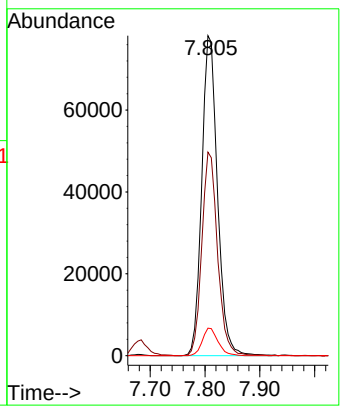


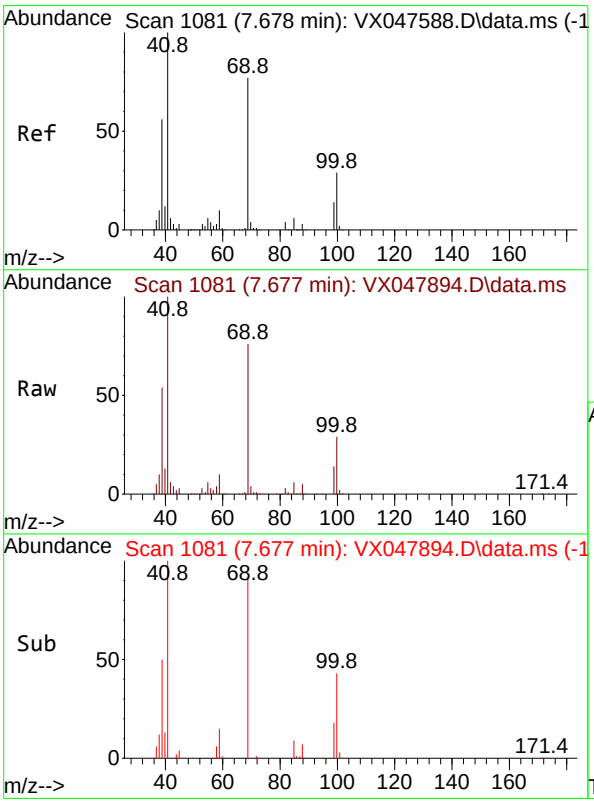
#47
Bromodichloromethane
Concen: 52.847 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 155440

Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.5	78.7
127	8.6	6.9	10.3

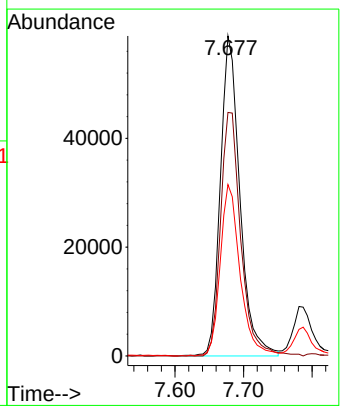


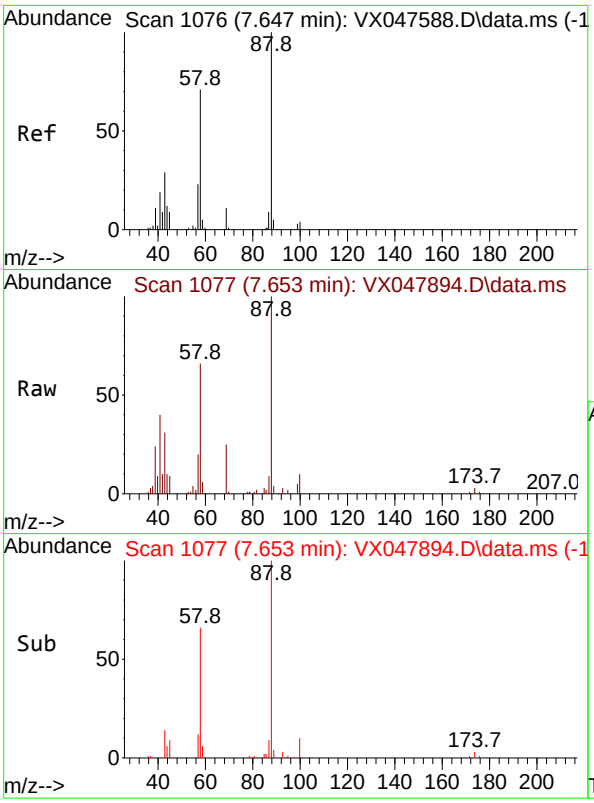


#48
Methyl methacrylate
Concen: 52.710 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 41 Resp: 116118

Ion	Ratio	Lower	Upper
41	100		
69	78.9	61.4	92.2
39	54.5	45.8	68.6



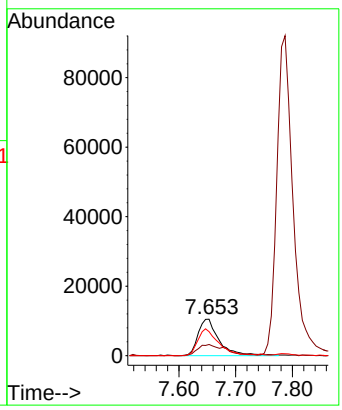


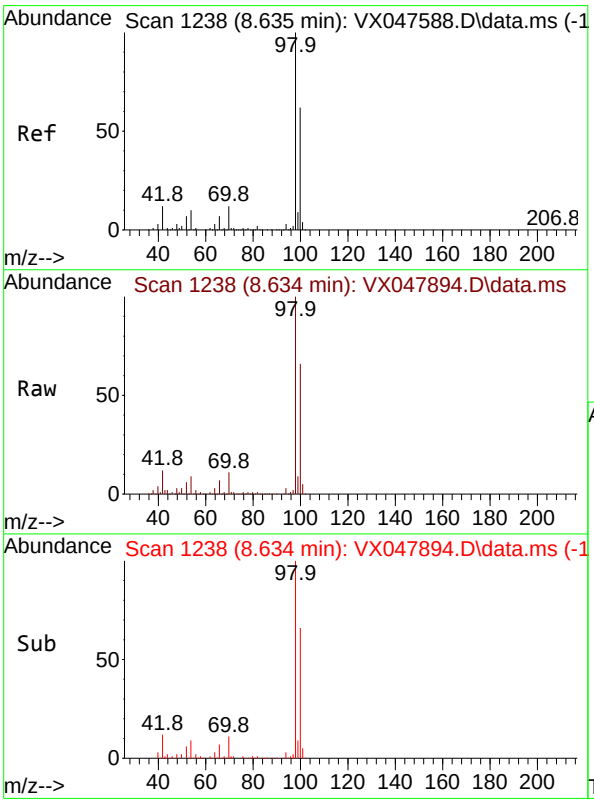
#49
1,4-Dioxane
Concen: 1221.341 ug/l
RT: 7.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 27191

Ion	Ratio	Lower	Upper
88	100		
43	40.5	30.2	45.2
58	72.9	59.5	89.3

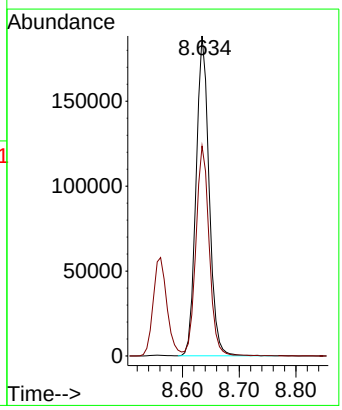


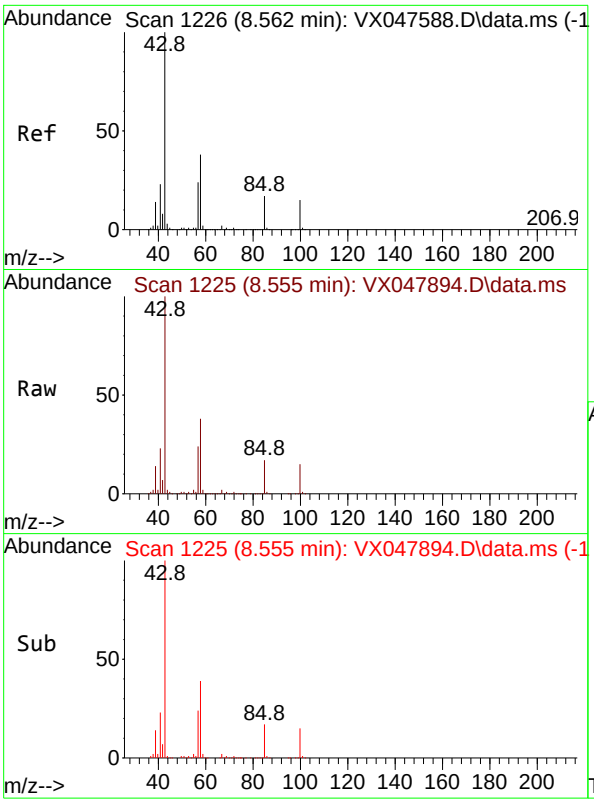


#50
Toluene-d8
Concen: 50.315 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 98 Resp: 300072

Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.0	79.4



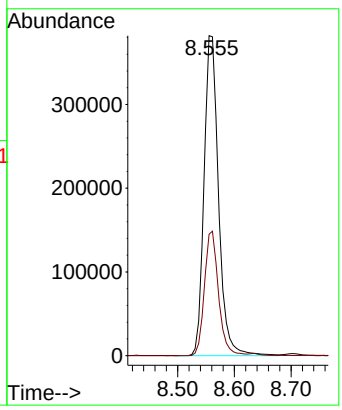


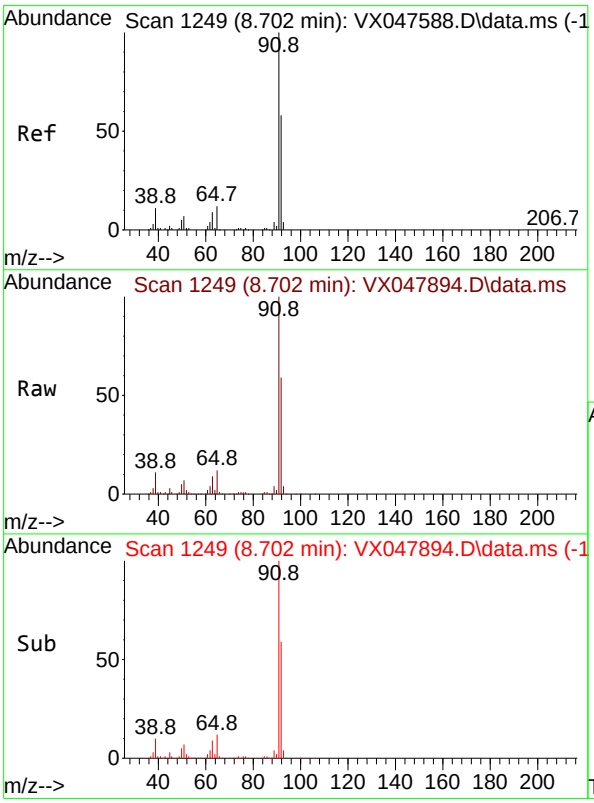
#51
4-Methyl-2-Pentanone
Concen: 277.112 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 679506

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.3	45.5

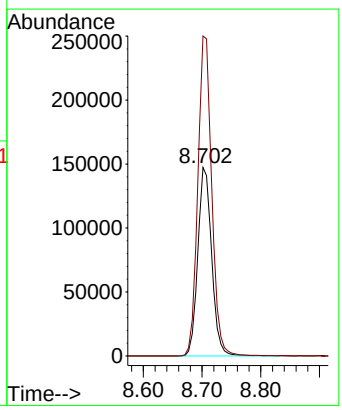


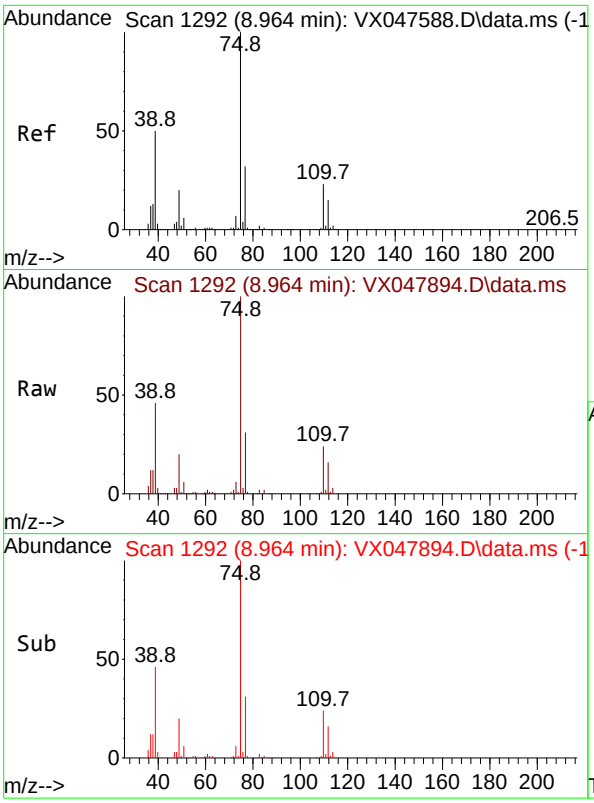


#52
Toluene
Concen: 51.265 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 92 Resp: 241599

Ion	Ratio	Lower	Upper
92	100		
91	170.3	137.1	205.7



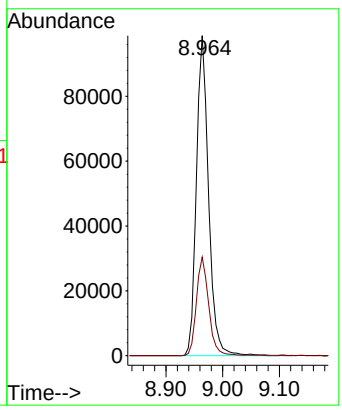


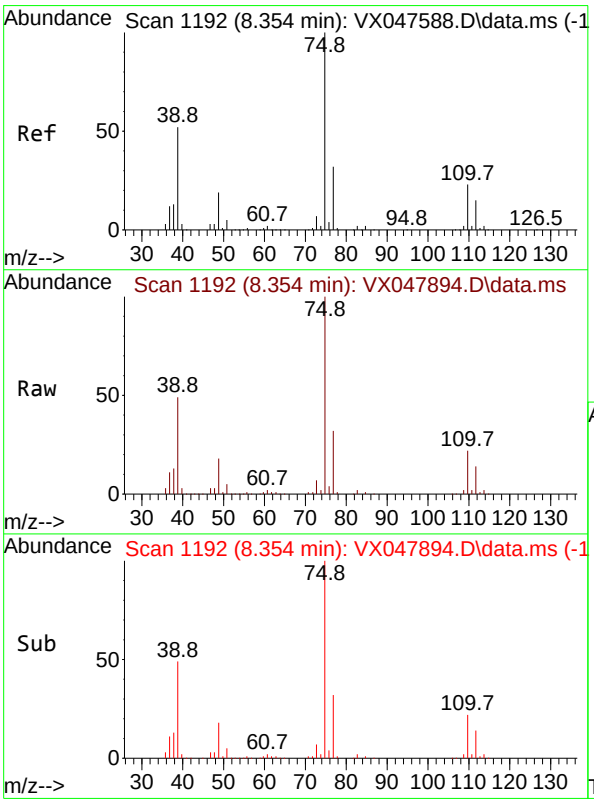
#53
t-1,3-Dichloropropene
Concen: 49.069 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 147217

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.4	38.2

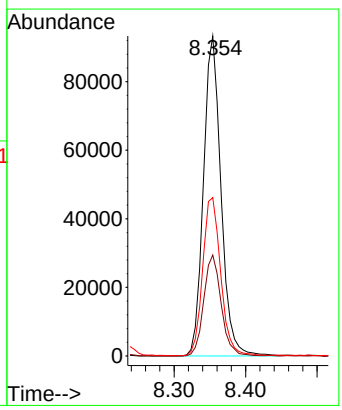


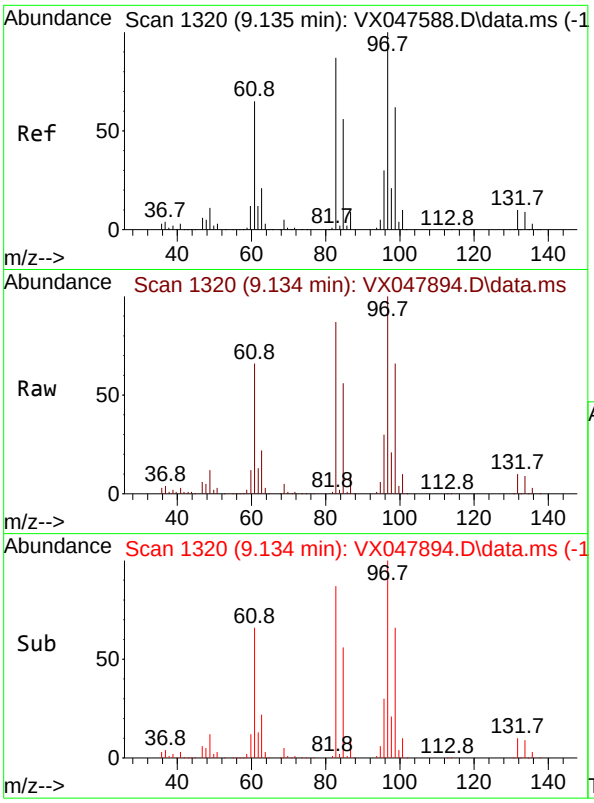


#54
cis-1,3-Dichloropropene
Concen: 49.614 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 75 Resp: 159099

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.8	38.6
39	49.4	41.4	62.2



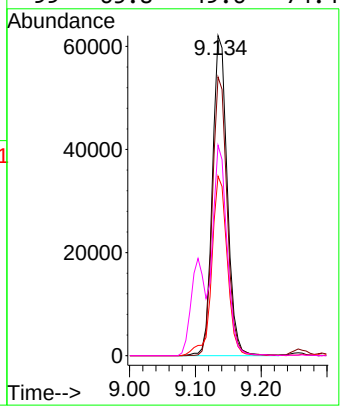


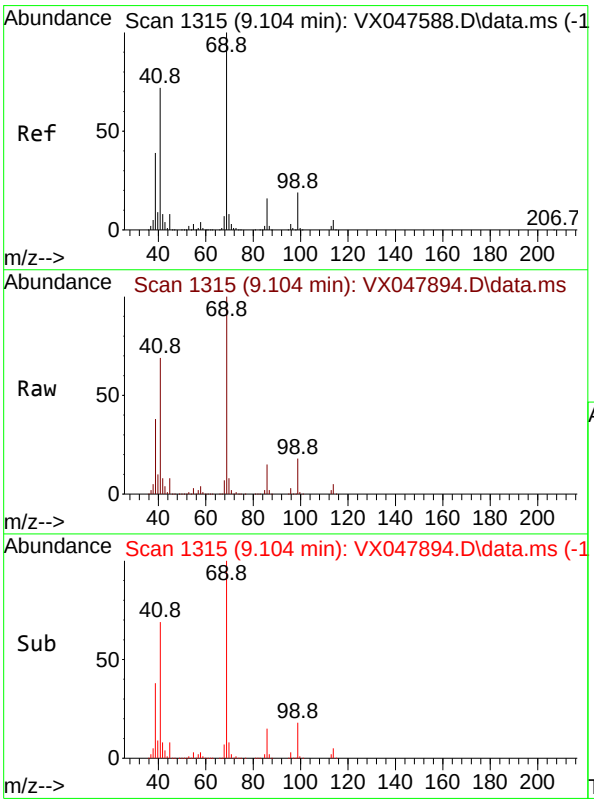
#55
1,1,2-Trichloroethane
Concen: 53.747 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 97671

Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.6	104.4
85	56.1	45.0	67.6
99	65.8	49.6	74.4

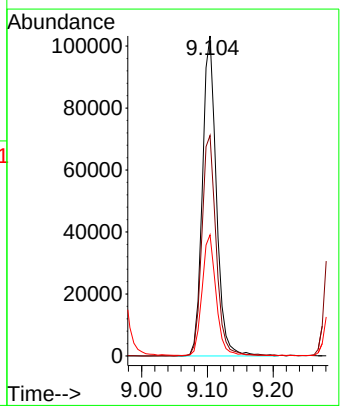


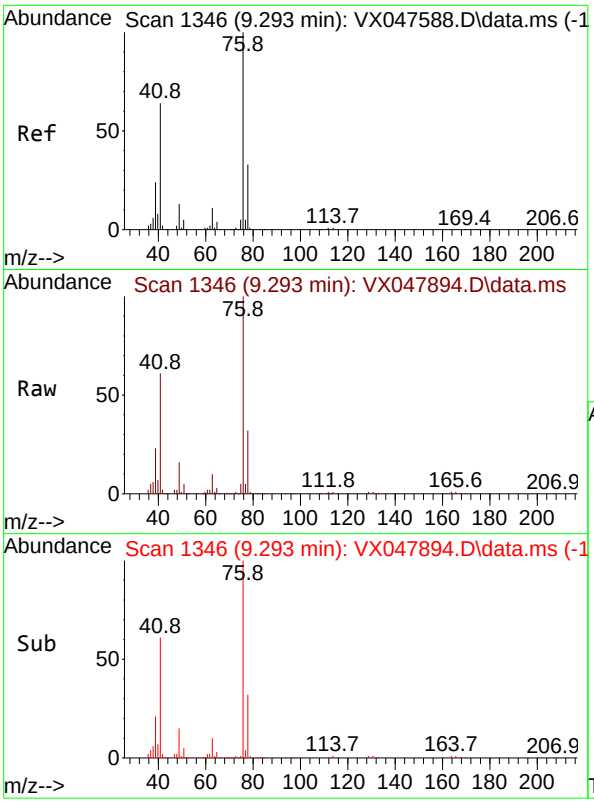


#56
Ethyl methacrylate
Concen: 53.369 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 69 Resp: 152310

Ion	Ratio	Lower	Upper
69	100		
41	70.6	58.6	87.8
39	38.1	31.5	47.3



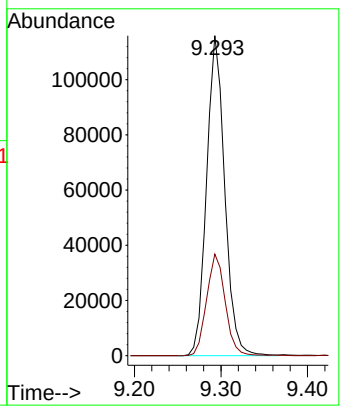


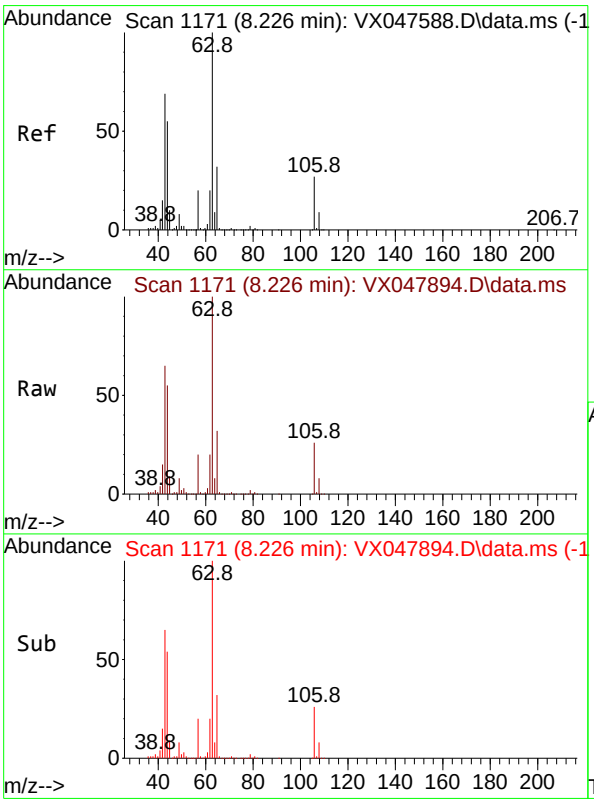
#57
1,3-Dichloropropane
Concen: 54.003 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 168581

Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.2	39.4

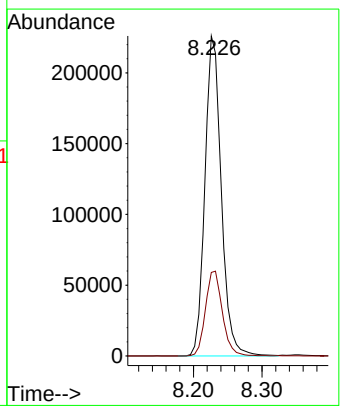


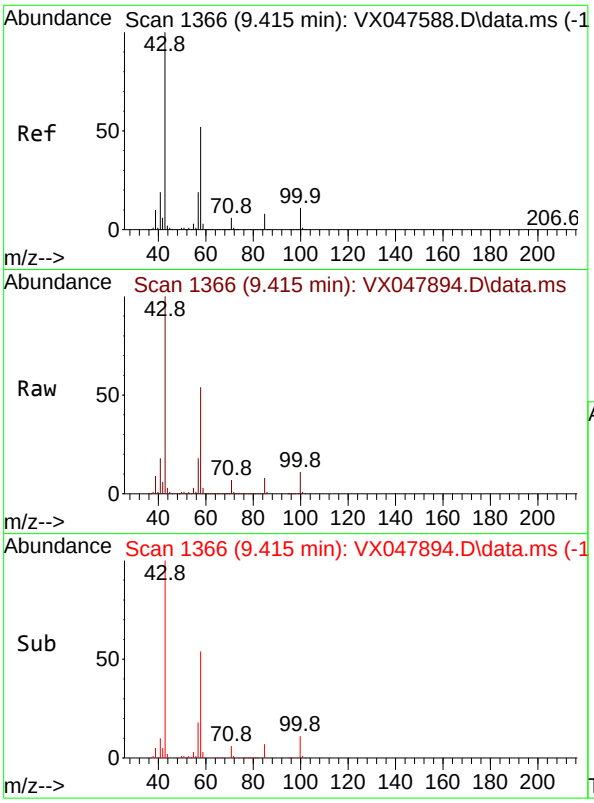


#58
2-Chloroethyl Vinyl ether
Concen: 274.070 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 63 Resp: 376121

Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.9	32.9



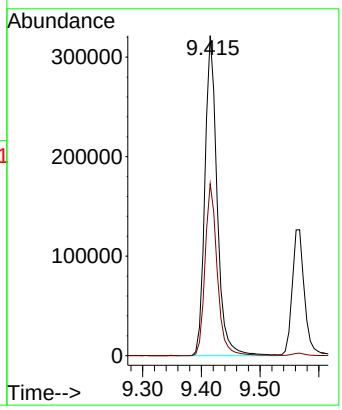


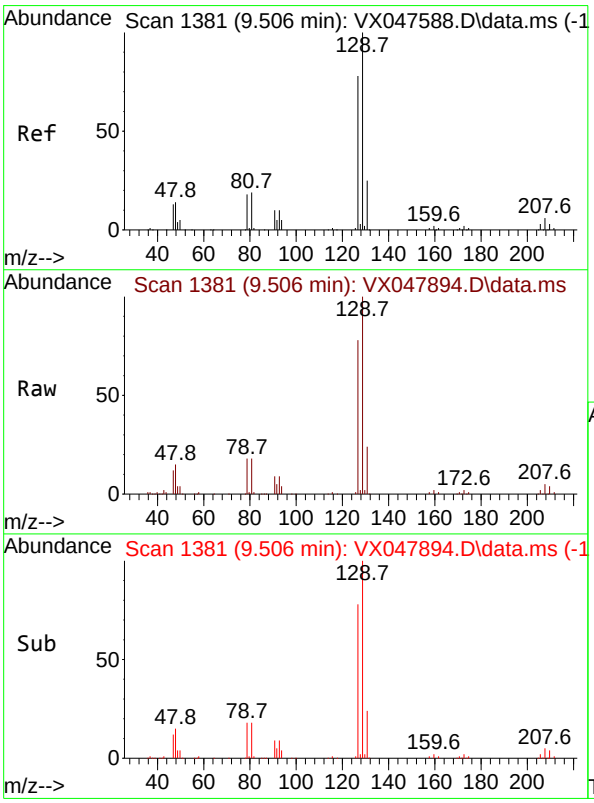
#59
2-Hexanone
Concen: 264.369 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 465582

Ion	Ratio	Lower	Upper
43	100		
58	53.4	26.1	78.2

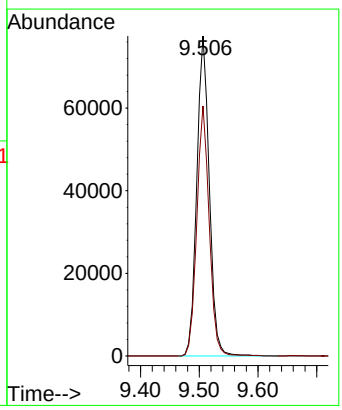


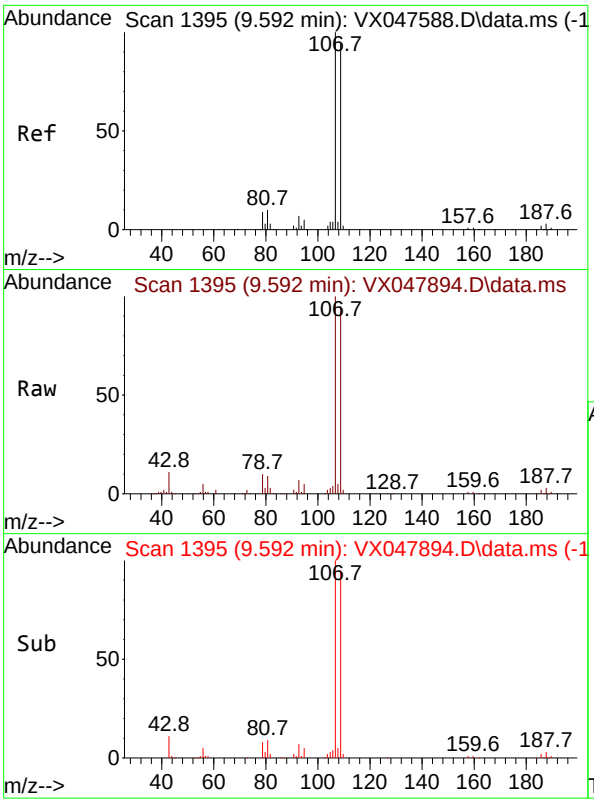


#60
Dibromochloromethane
Concen: 54.812 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:129 Resp: 114768

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.4	115.2



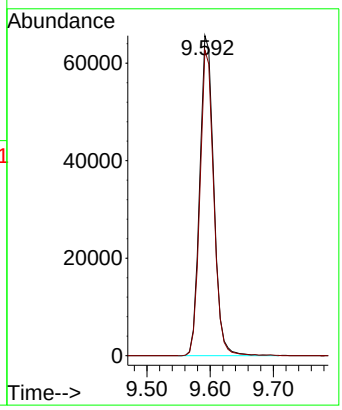


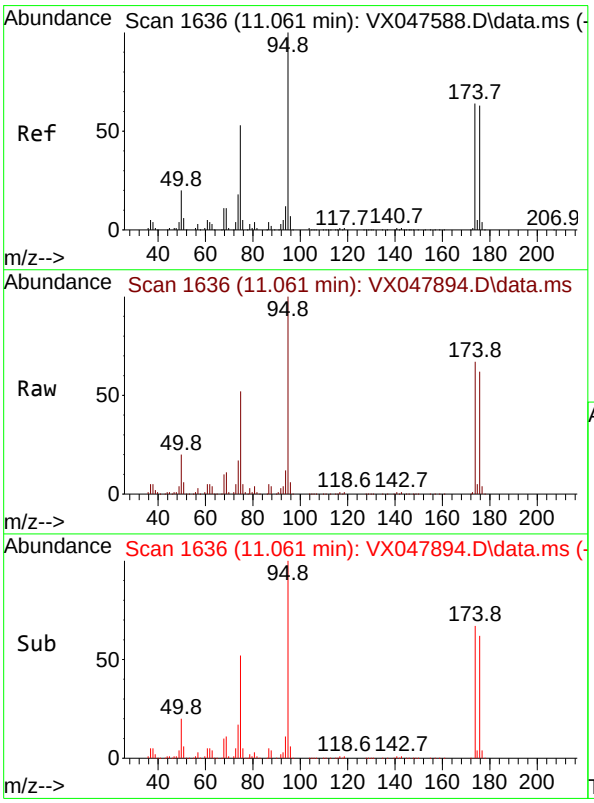
#61
1,2-Dibromoethane
Concen: 54.796 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 101423

Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.3	112.9

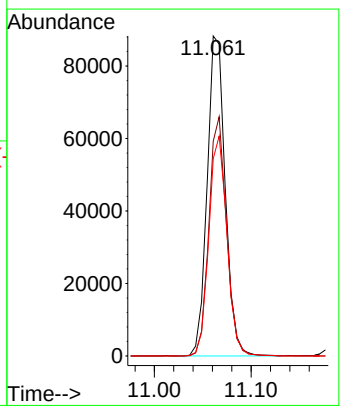


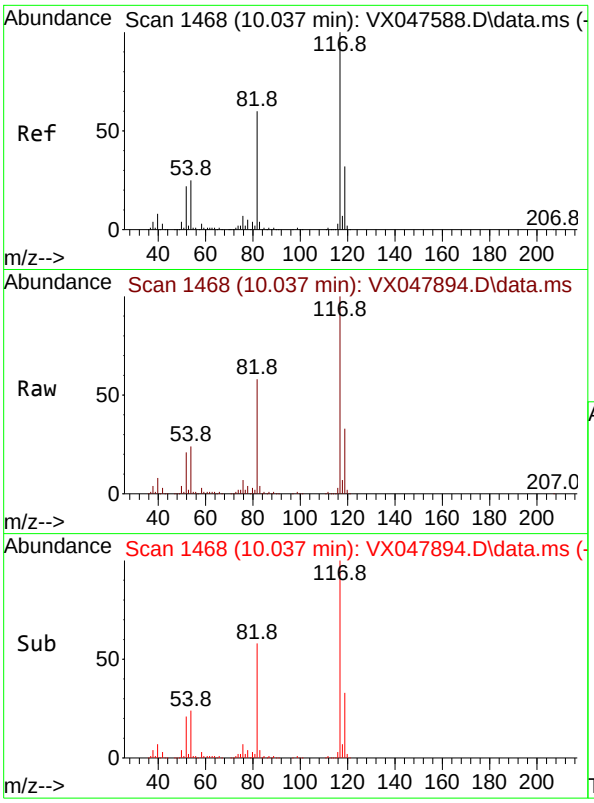


#62
4-Bromofluorobenzene
Concen: 50.750 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 95 Resp: 114868

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	141.6
176	68.7	0.0	138.4



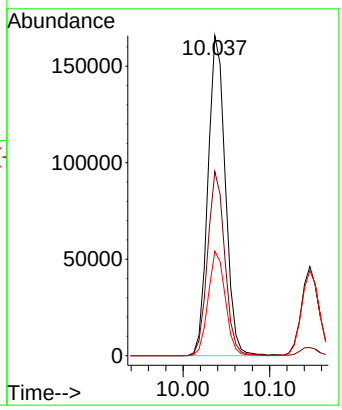


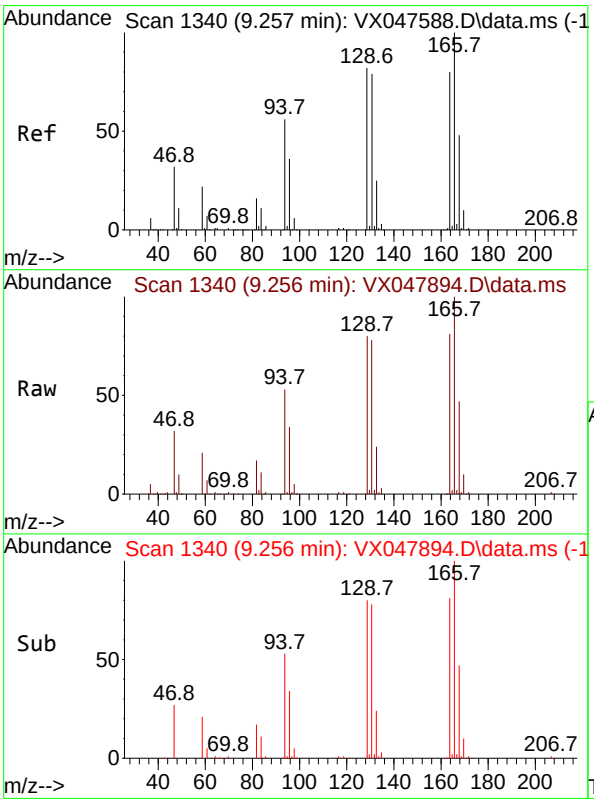
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 230930

Ion	Ratio	Lower	Upper
117	100		
82	57.6	47.8	71.6
119	32.6	25.2	37.8

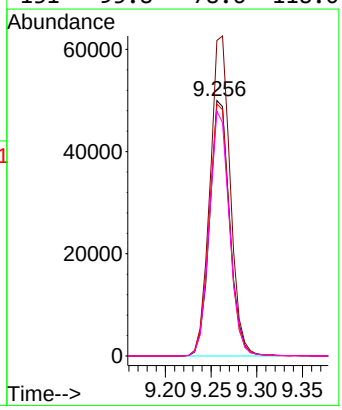


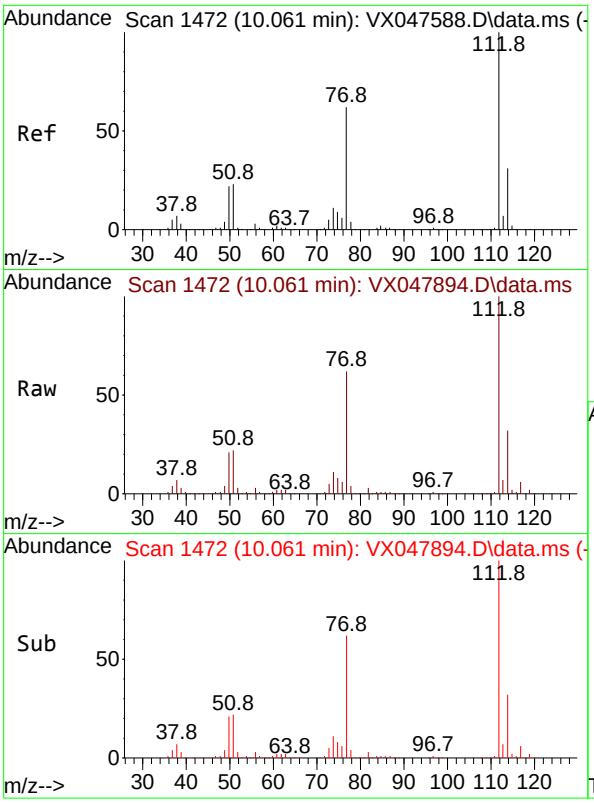


#64
Tetrachloroethene
Concen: 50.266 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:164 Resp: 75672

Ion	Ratio	Lower	Upper
164	100		
166	123.5	100.2	150.2
129	98.7	81.8	122.6
131	95.8	78.6	118.0



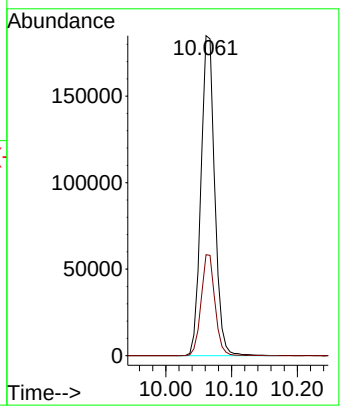


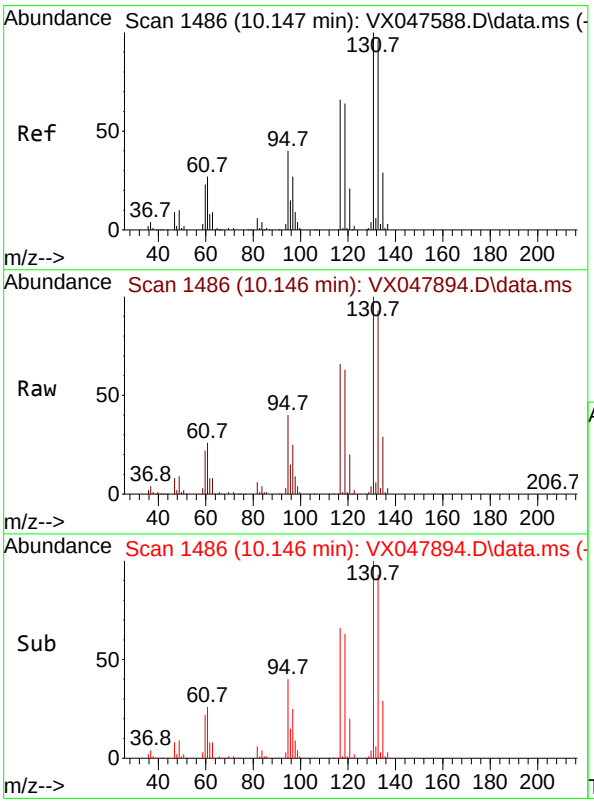
#65
Chlorobenzene
Concen: 51.242 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 268830

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.1	37.7

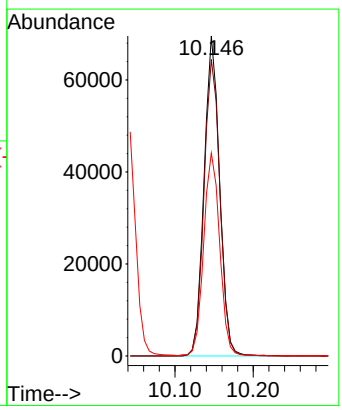


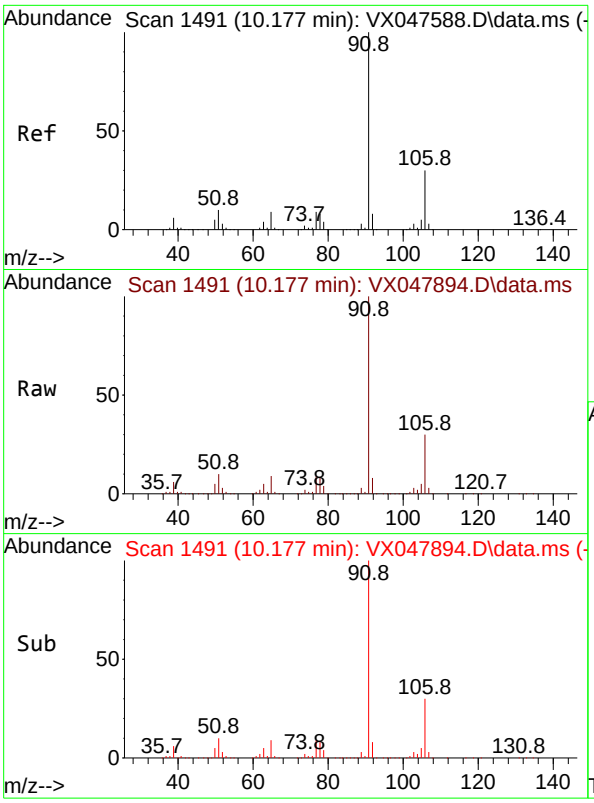


#66
1,1,1,2-Tetrachloroethane
Concen: 52.734 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:131 Resp: 95467

Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.3	142.0
119	65.6	32.0	96.0



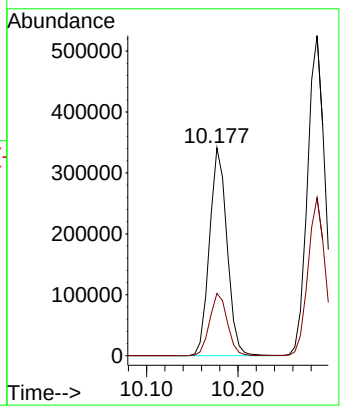


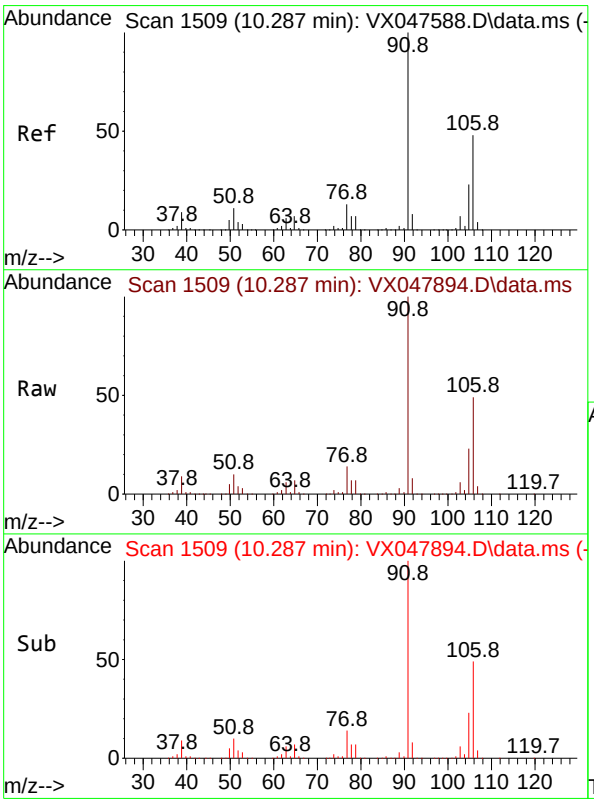
#67
Ethyl Benzene
Concen: 50.050 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 453059

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.3	36.5

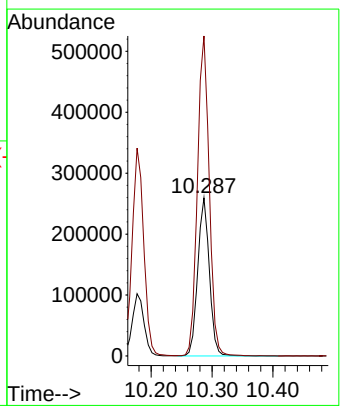


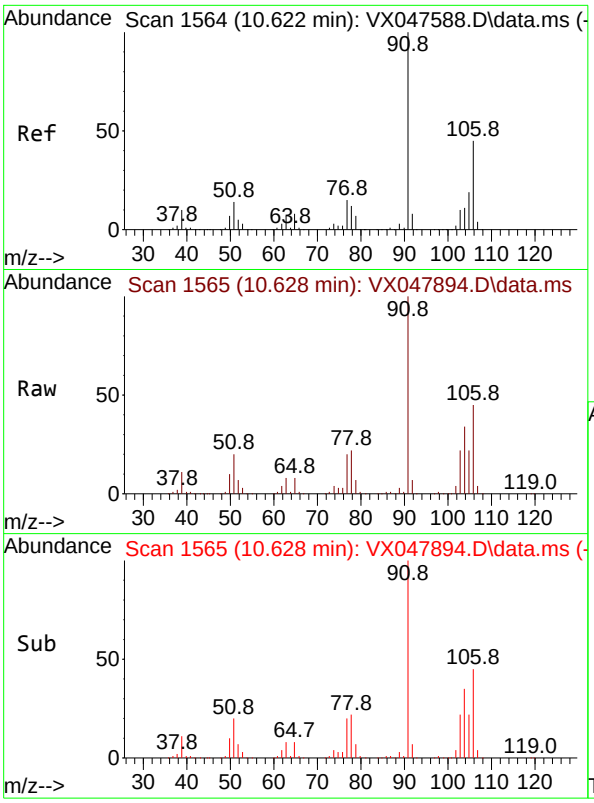


#68
m/p-Xylenes
Concen: 101.931 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:106 Resp: 343431

Ion	Ratio	Lower	Upper
106	100		
91	205.5	167.8	251.8



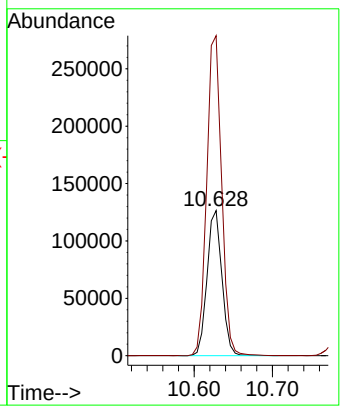


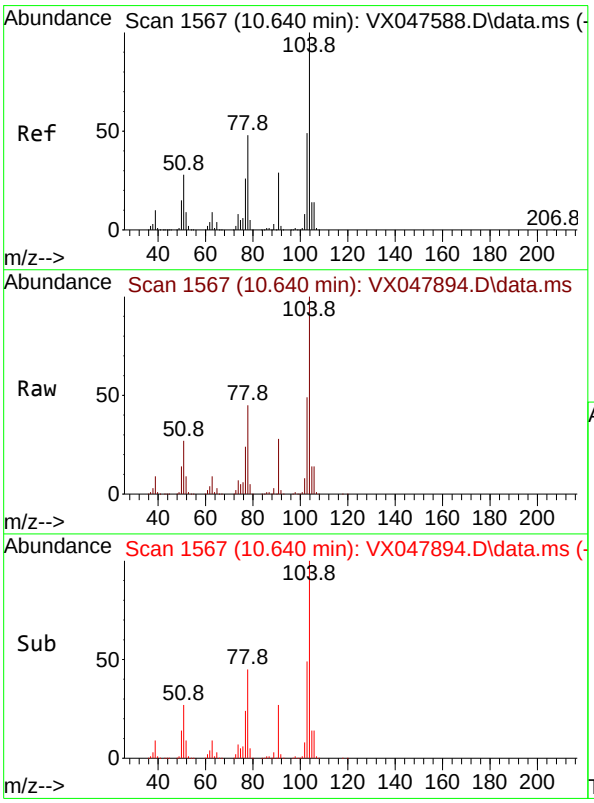
#69
o-Xylene
Concen: 51.015 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 166251

Ion	Ratio	Lower	Upper
106	100		
91	221.3	111.1	333.4

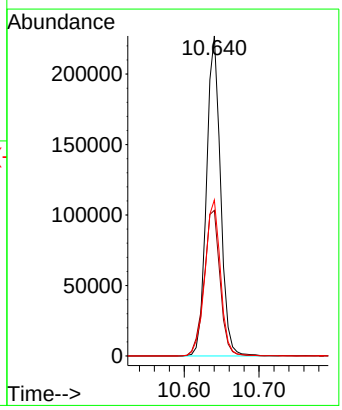


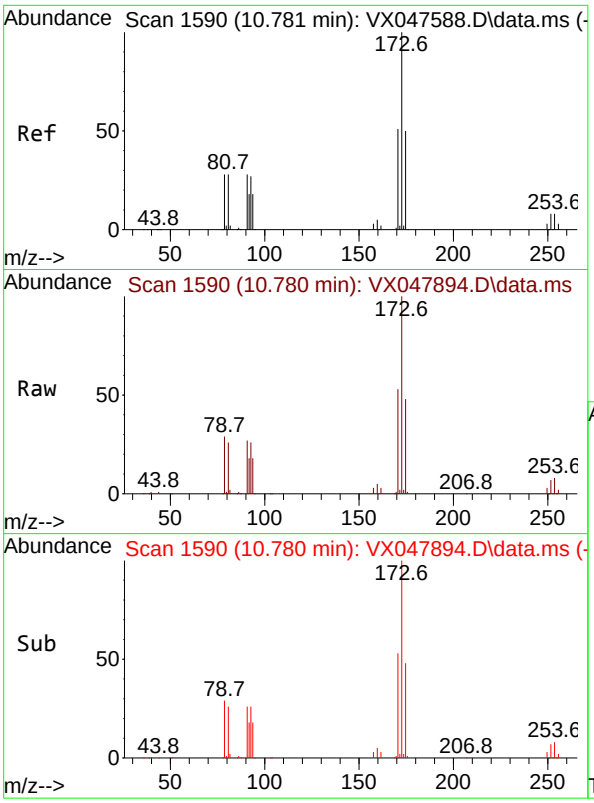


#70
Styrene
Concen: 51.849 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:104 Resp: 296064

Ion	Ratio	Lower	Upper
104	100		
78	51.7	43.1	64.7
103	53.8	43.1	64.7



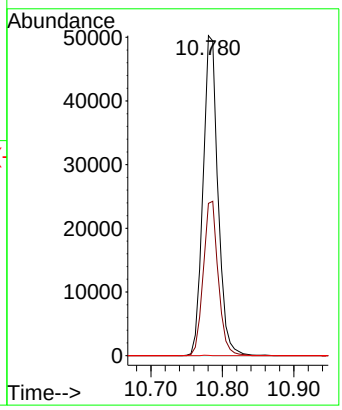


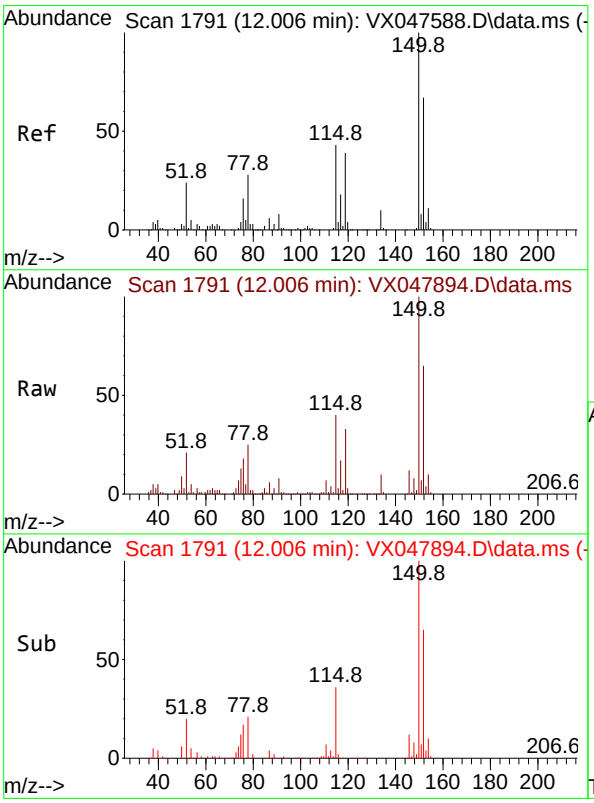
#71
Bromoform
Concen: 54.061 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 73079

Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.9	74.6
254	0.1	0.1	0.1#

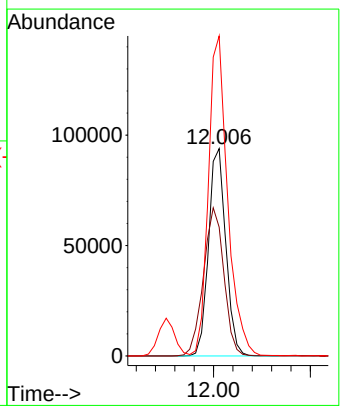


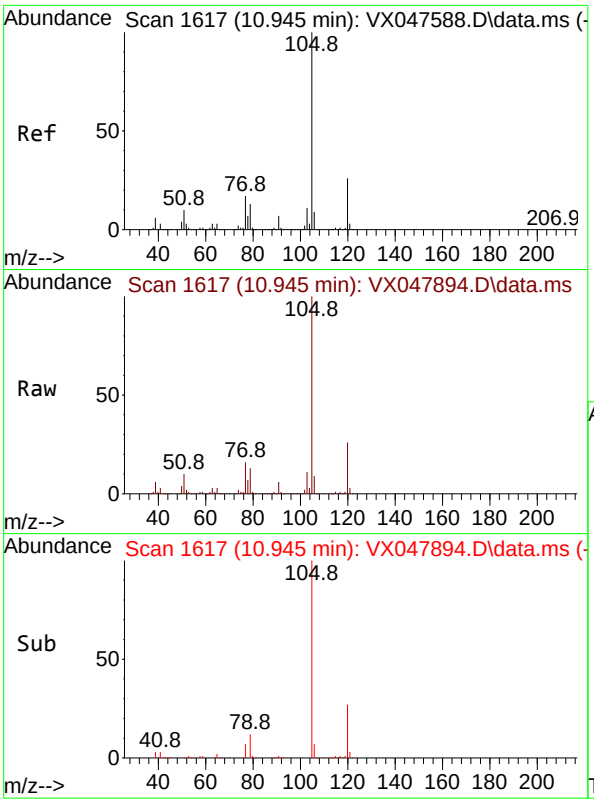


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:152 Resp: 116897

Ion	Ratio	Lower	Upper
152	100		
115	84.6	44.9	134.5
150	171.0	0.0	352.0



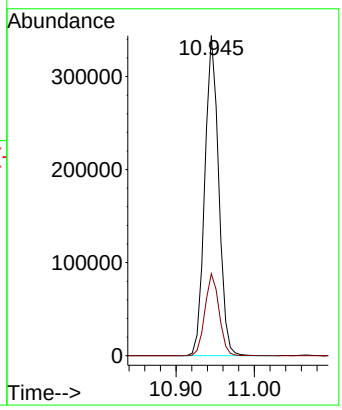


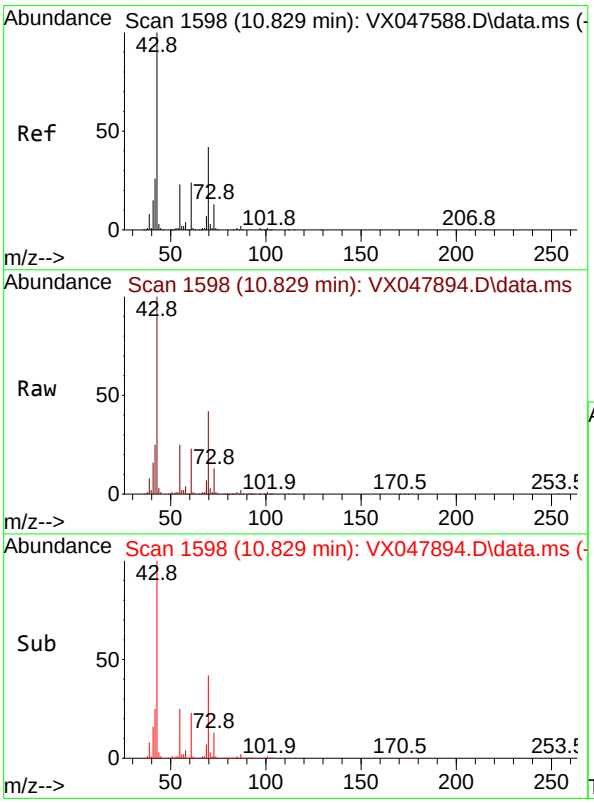
#73
Isopropylbenzene
Concen: 47.432 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 421544

Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.8	38.4

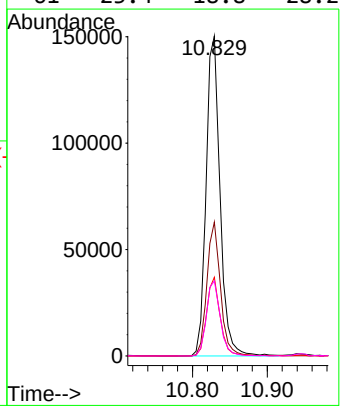


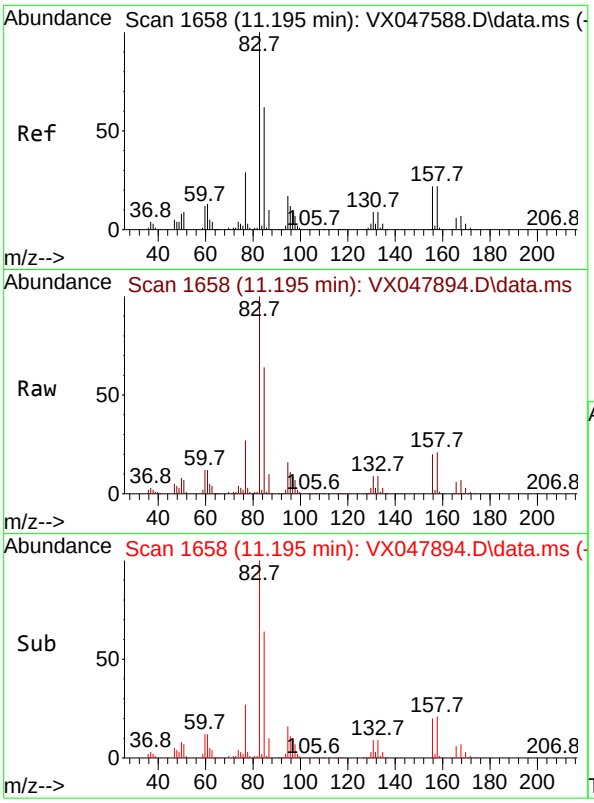


#74
N-amyl acetate
Concen: 48.033 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 43 Resp: 194666

Ion	Ratio	Lower	Upper
43	100		
70	40.9	32.0	48.0
55	24.0	18.9	28.3
61	23.4	18.8	28.2



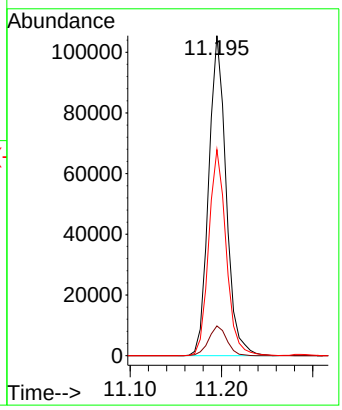


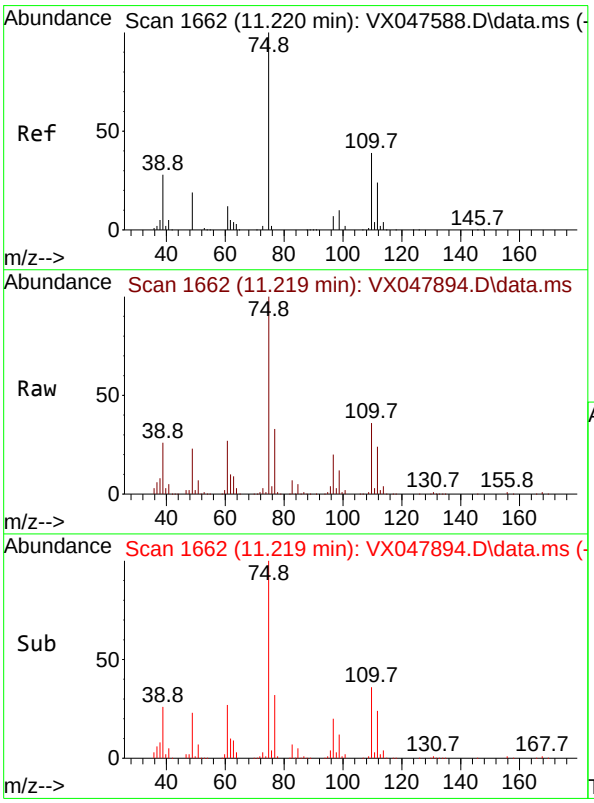
#75
1,1,2,2-Tetrachloroethane
Concen: 51.820 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 139335

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	64.5	31.6	95.0

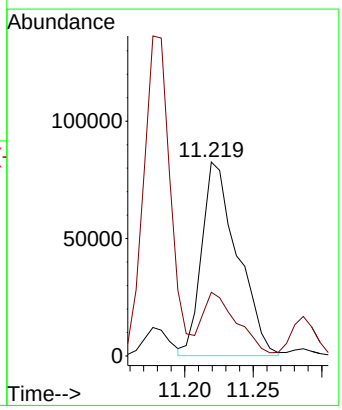


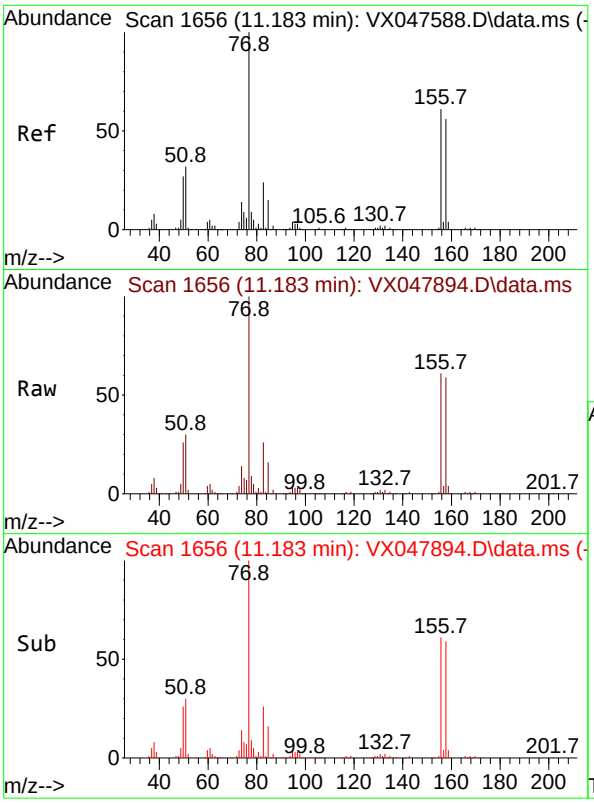


#76
1,2,3-Trichloropropane
Concen: 63.324 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 75 Resp: 149875

Ion	Ratio	Lower	Upper
75	100		
77	31.0	18.8	56.4



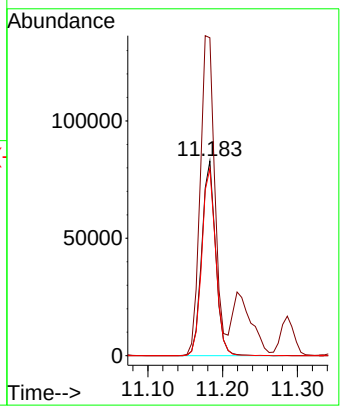


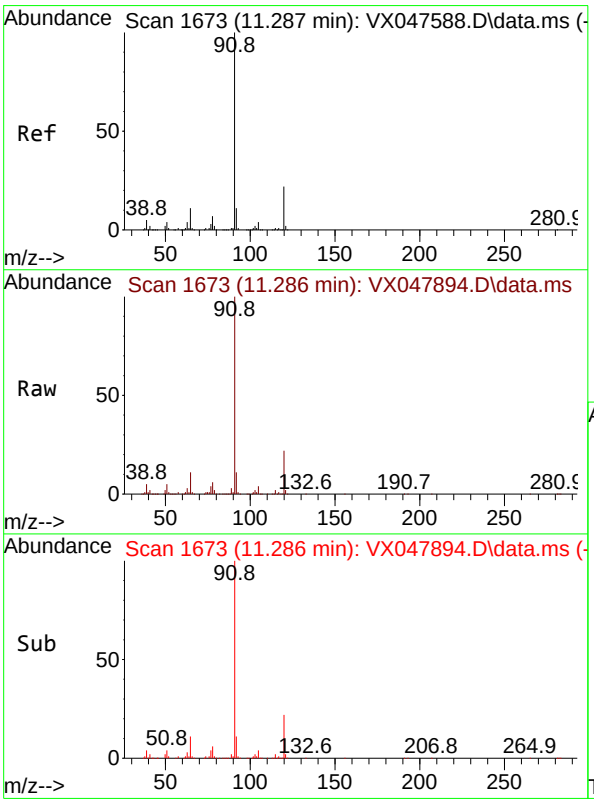
#77
Bromobenzene
Concen: 48.598 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 106374

Ion	Ratio	Lower	Upper
156	100		
77	175.1	89.7	269.1
158	97.2	47.9	143.6

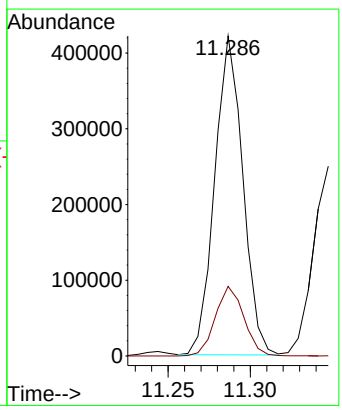


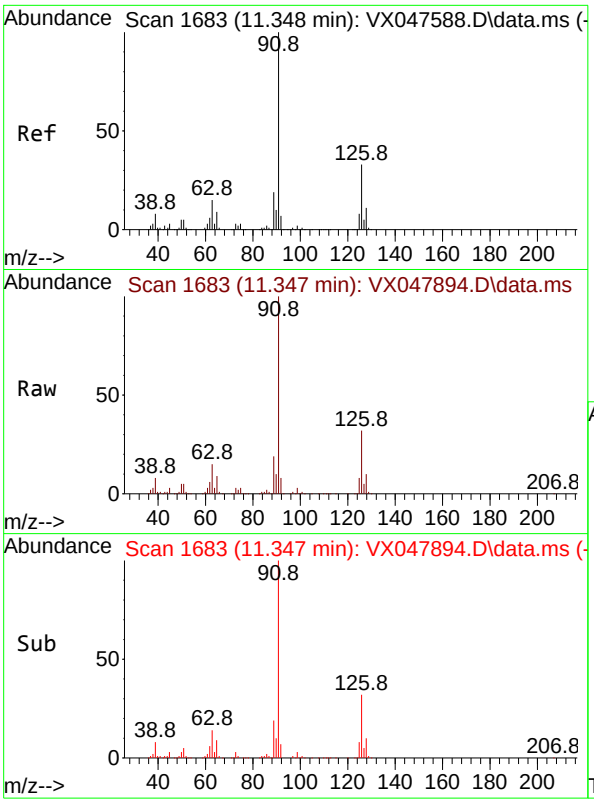


#78
n-propylbenzene
Concen: 47.642 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 91 Resp: 500518

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.1



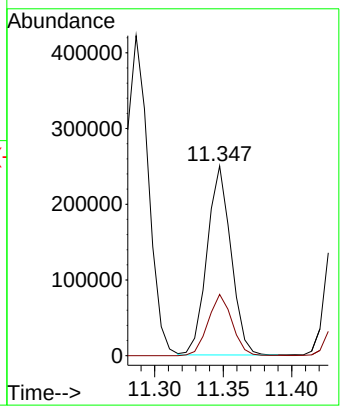


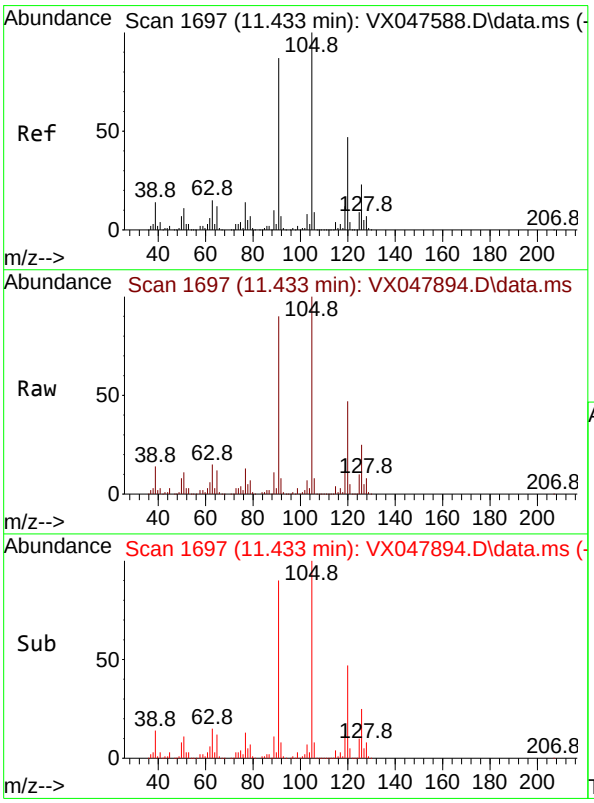
#79
2-Chlorotoluene
Concen: 47.125 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 303228

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3

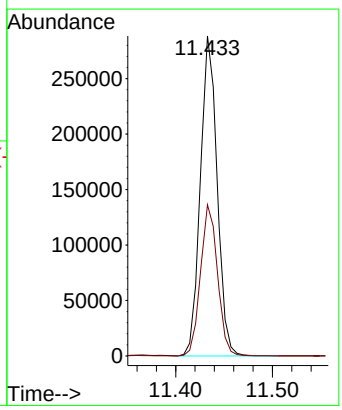


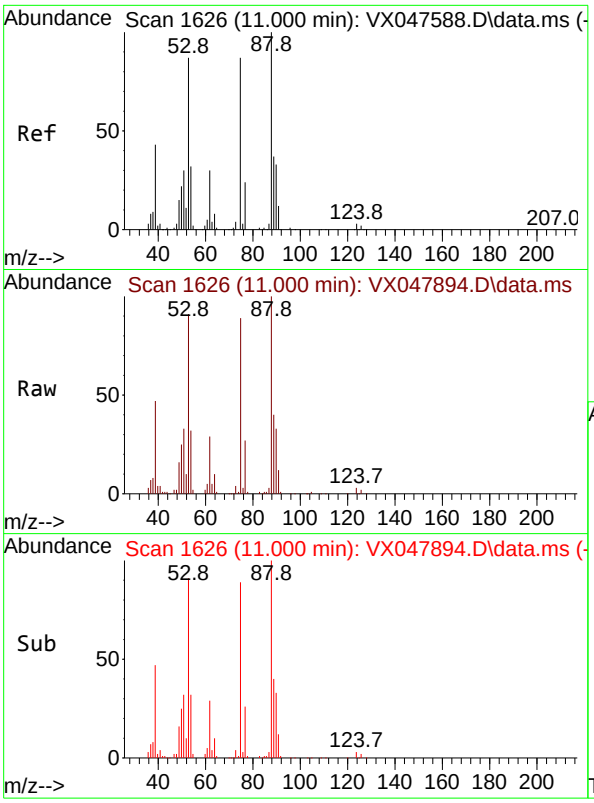


#80
1,3,5-Trimethylbenzene
Concen: 47.727 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:105 Resp: 348489

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.6	70.8



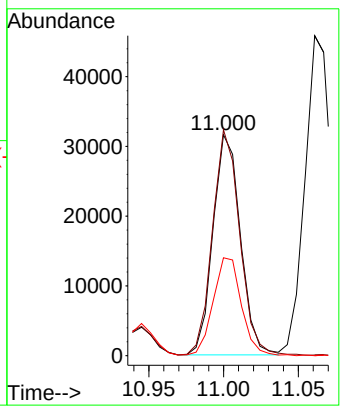


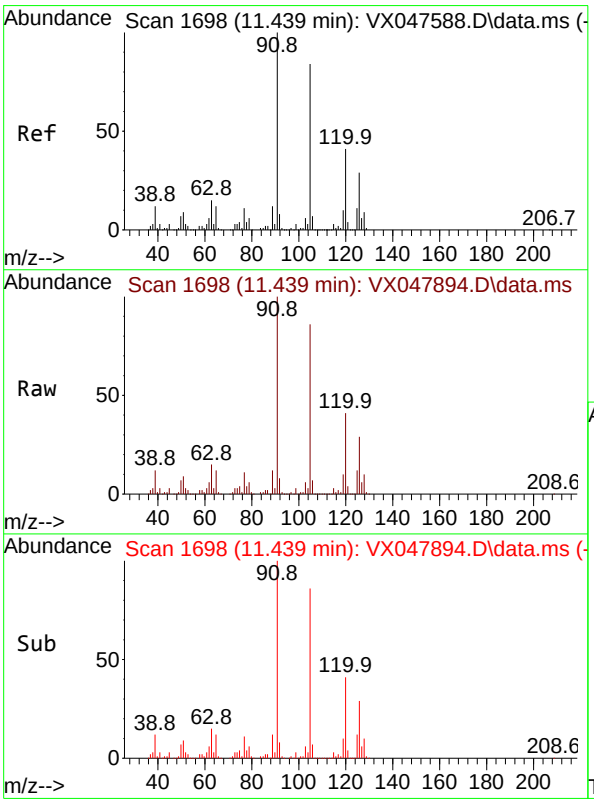
#81
trans-1,4-Dichloro-2-butene
Concen: 43.303 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 40190

Ion	Ratio	Lower	Upper
75	100		
53	101.5	83.4	125.2
89	46.2	36.3	54.5

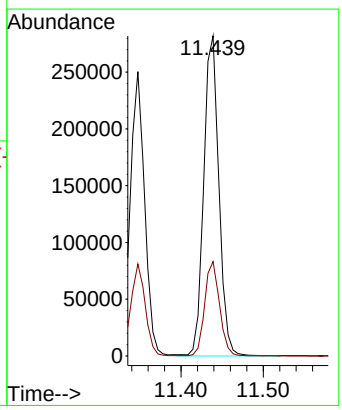


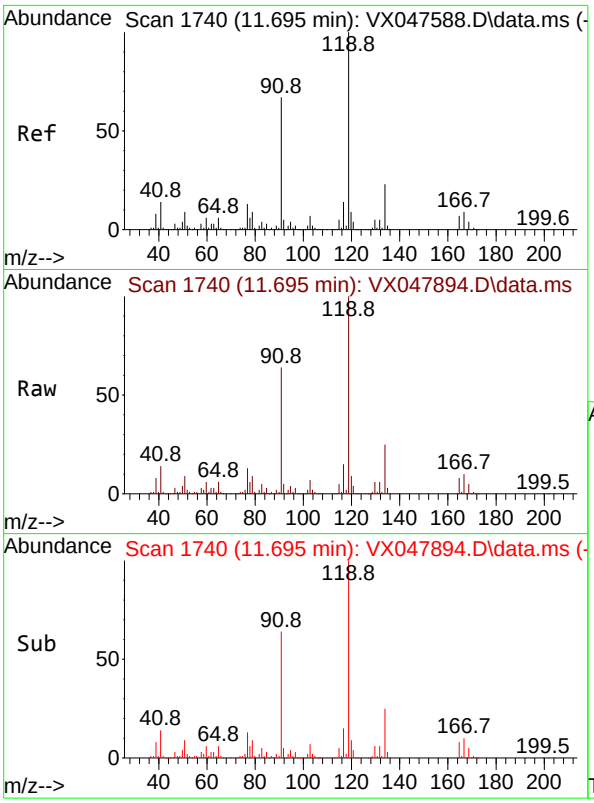


#82
4-Chlorotoluene
Concen: 47.487 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 91 Resp: 360882

Ion	Ratio	Lower	Upper
91	100		
126	28.9	14.2	42.6



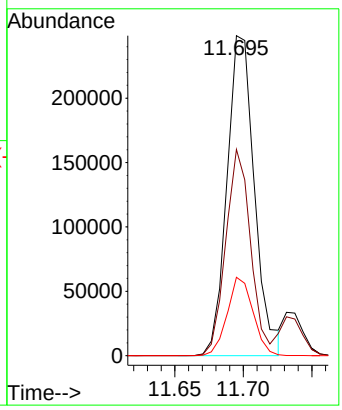


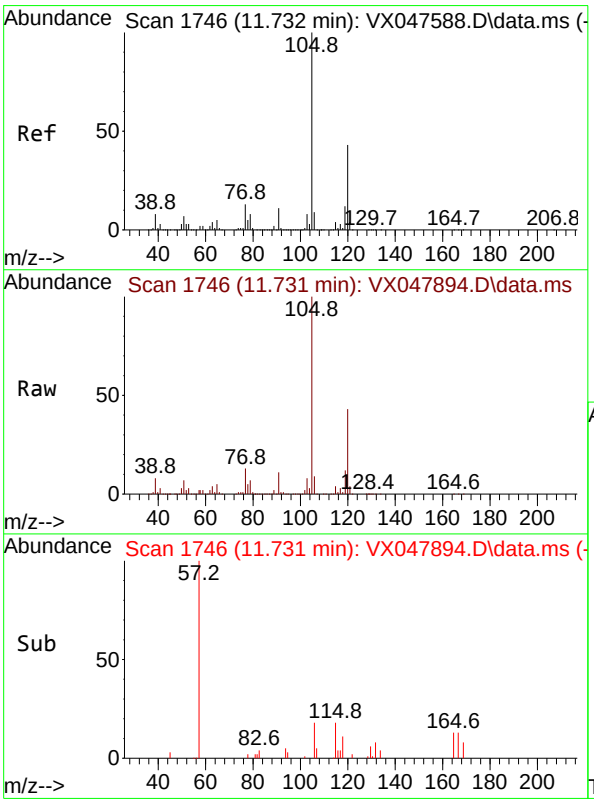
#83
tert-Butylbenzene
Concen: 46.544 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 347894

Ion	Ratio	Lower	Upper
119	100		
91	58.1	29.6	88.8
134	23.1	11.0	33.0

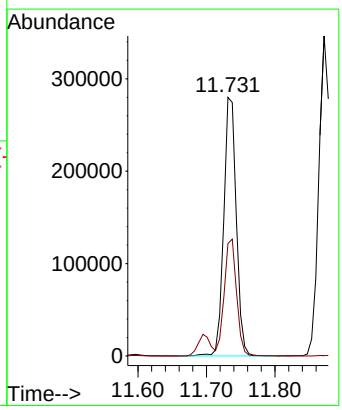


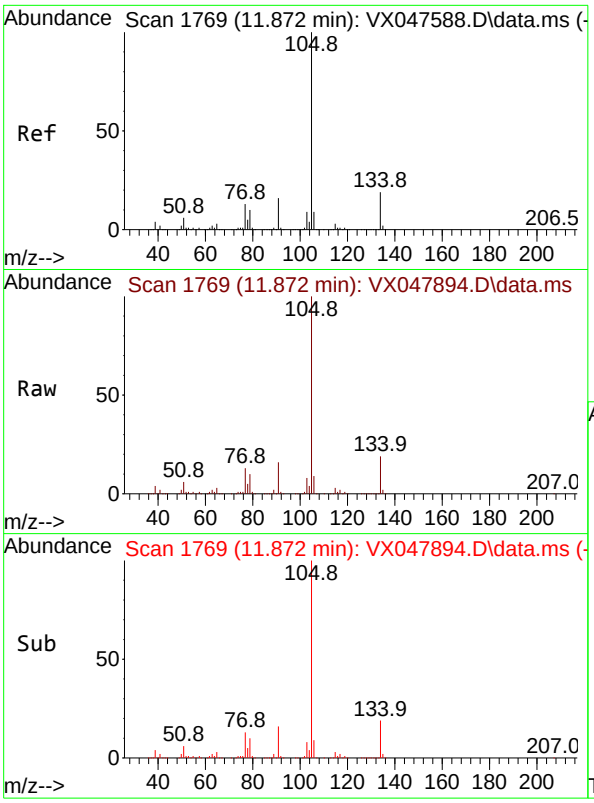


#84
1,2,4-Trimethylbenzene
Concen: 47.757 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:105 Resp: 353530

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.1	66.1



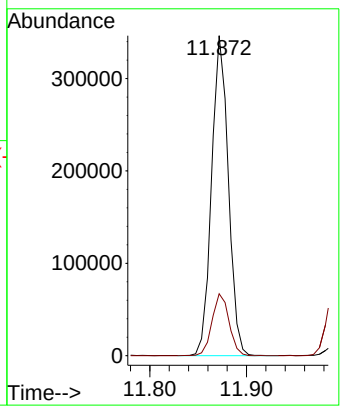


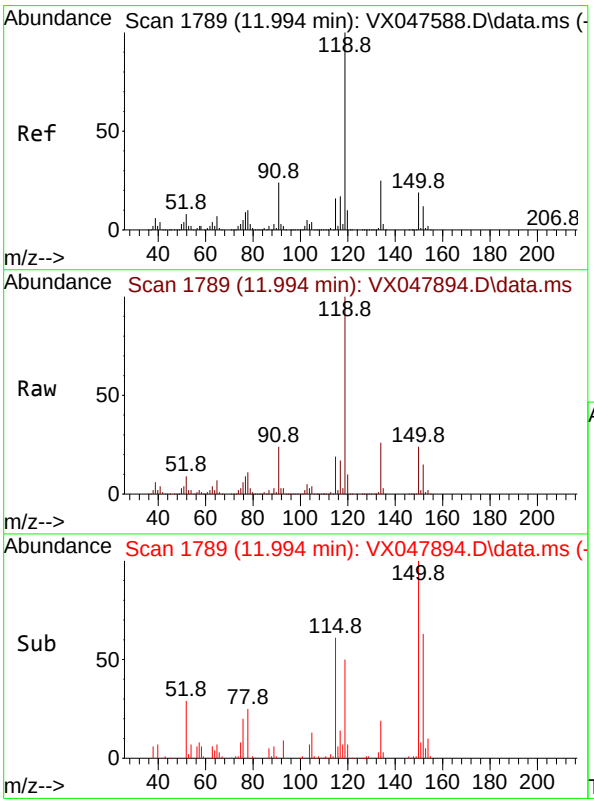
#85
sec-Butylbenzene
Concen: 46.884 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 416252

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

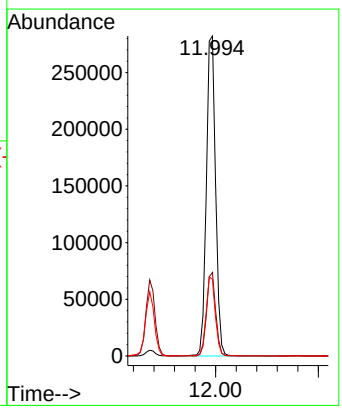


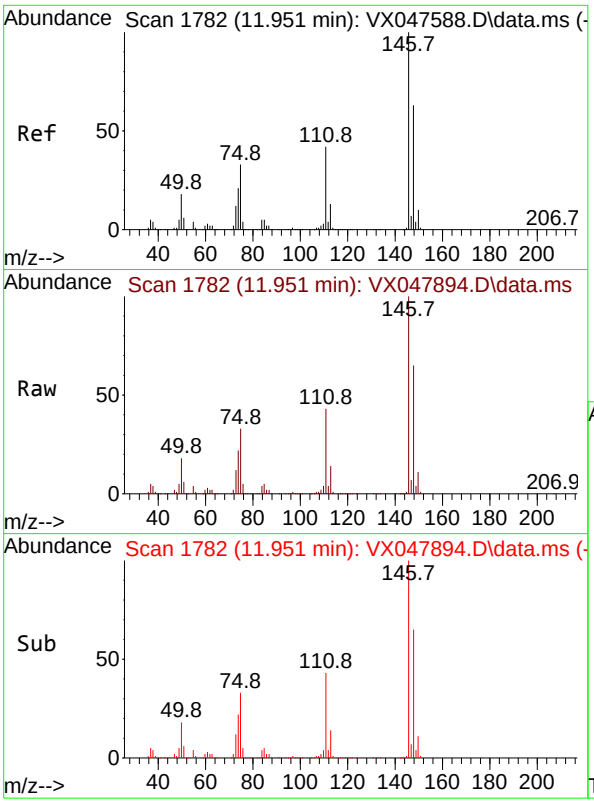


#86
p-Isopropyltoluene
Concen: 46.630 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:119 Resp: 350486

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.6	37.8
91	24.6	12.6	37.6



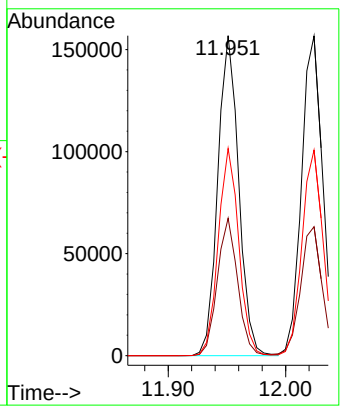


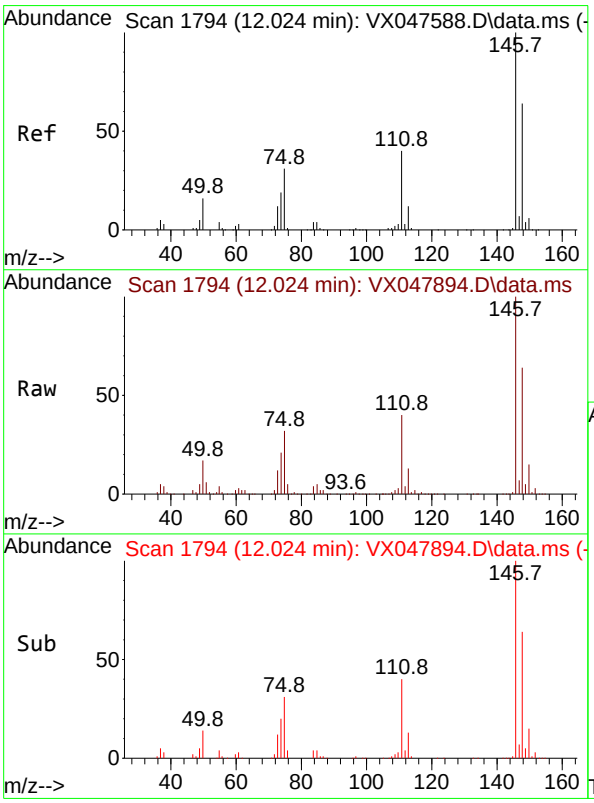
#87
1,3-Dichlorobenzene
Concen: 47.710 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 193973

Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.5	64.5
148	63.6	32.0	96.0

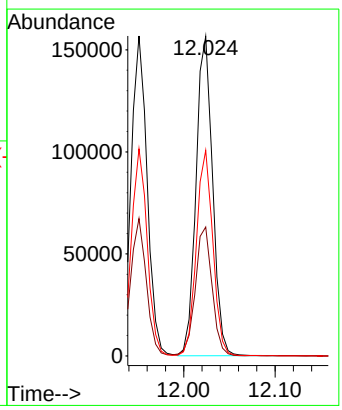


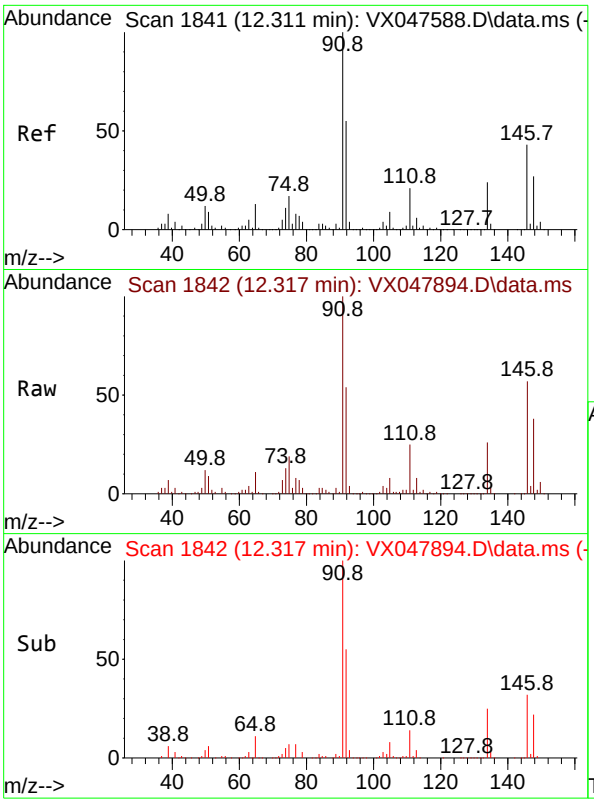


#88
1,4-Dichlorobenzene
Concen: 47.220 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:146 Resp: 197037

Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.8	62.4
148	64.2	31.7	95.1



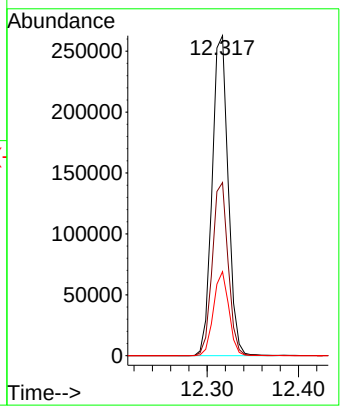


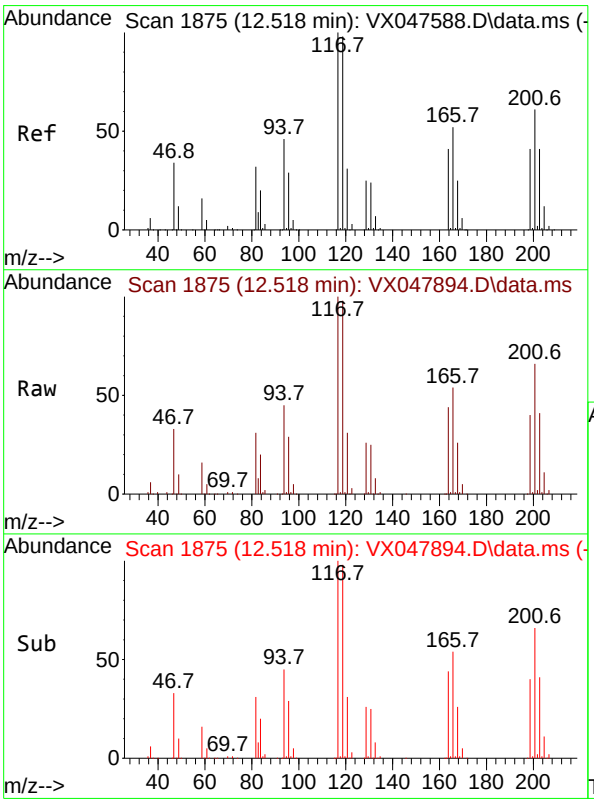
#89
n-Butylbenzene
Concen: 45.935 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 319474

Ion	Ratio	Lower	Upper
91	100		
92	53.5	27.6	82.7
134	25.2	12.6	37.8

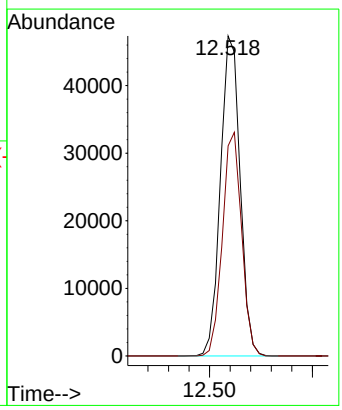


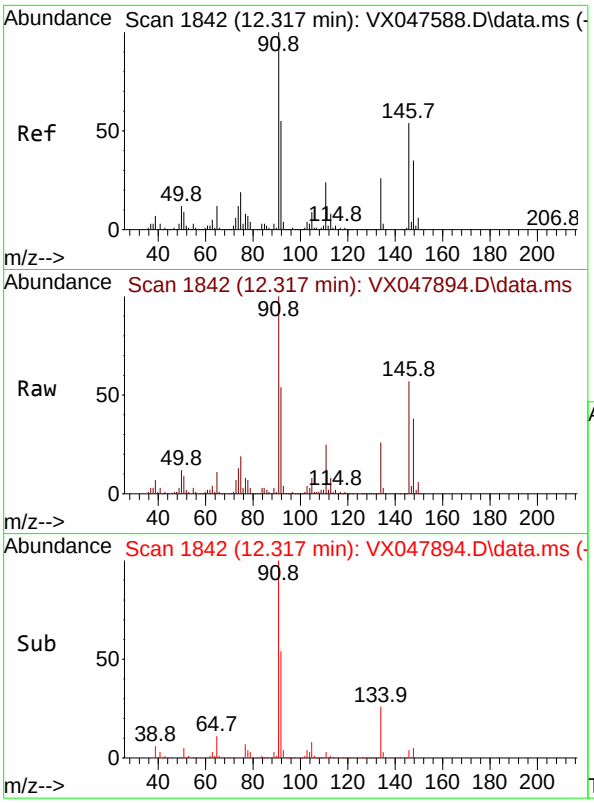


#90
Hexachloroethane
Concen: 47.526 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:117 Resp: 62717

Ion	Ratio	Lower	Upper
117	100		
201	68.3	34.2	102.5



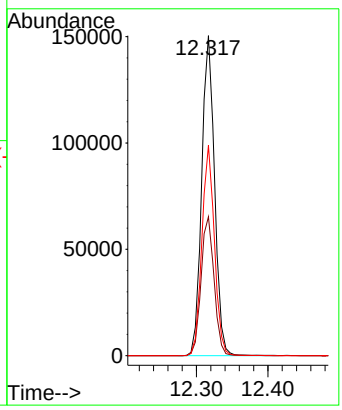


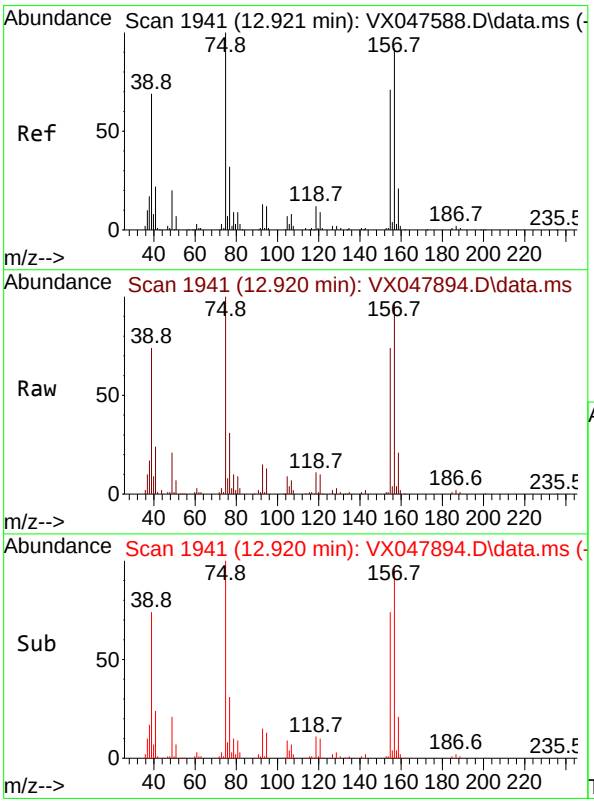
#91
1,2-Dichlorobenzene
Concen: 48.507 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 187886

Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.2	66.6
148	64.3	31.8	95.4

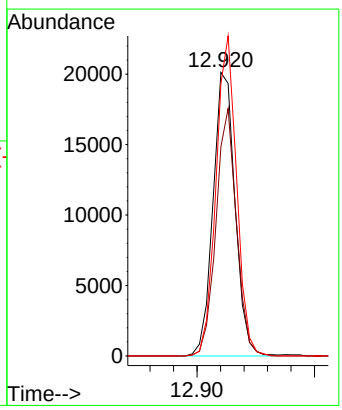


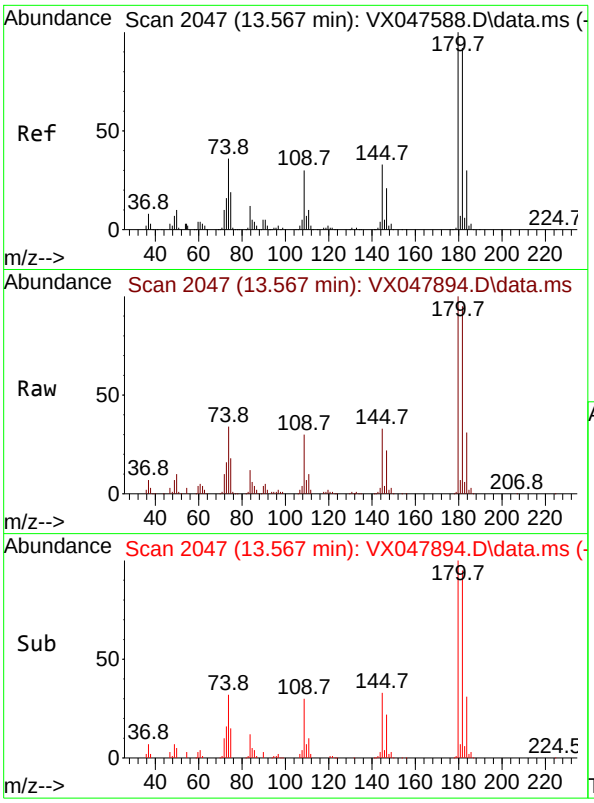


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.175 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion: 75 Resp: 26226

Ion	Ratio	Lower	Upper
75	100		
155	81.3	37.7	113.1
157	105.2	49.8	149.4



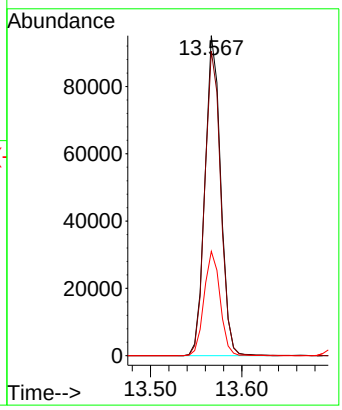


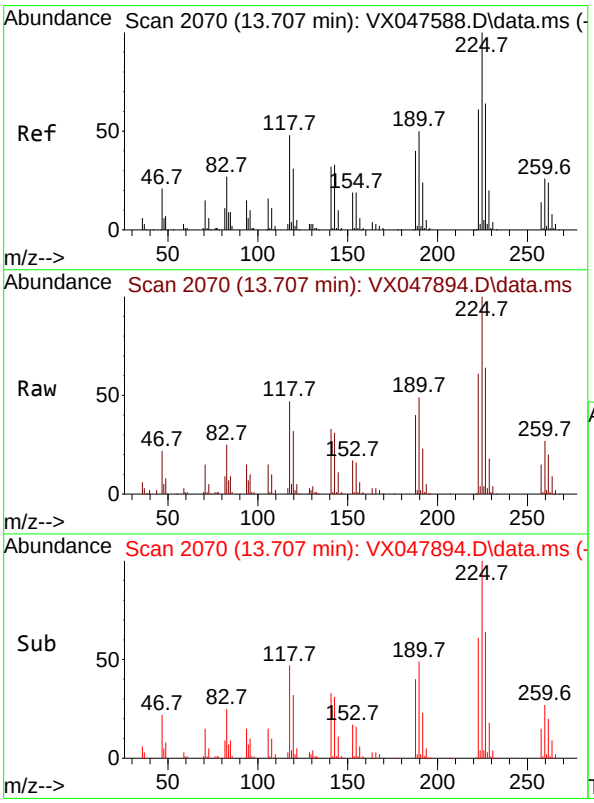
#93
1,2,4-Trichlorobenzene
Concen: 44.998 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 113275

Ion	Ratio	Lower	Upper
180	100		
182	96.5	46.6	139.8
145	33.2	16.4	49.1

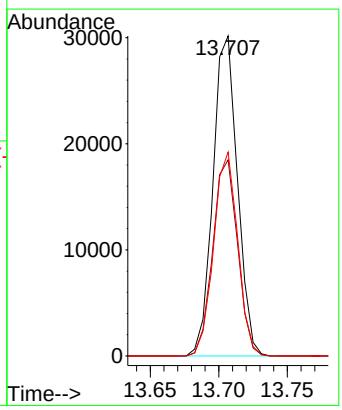


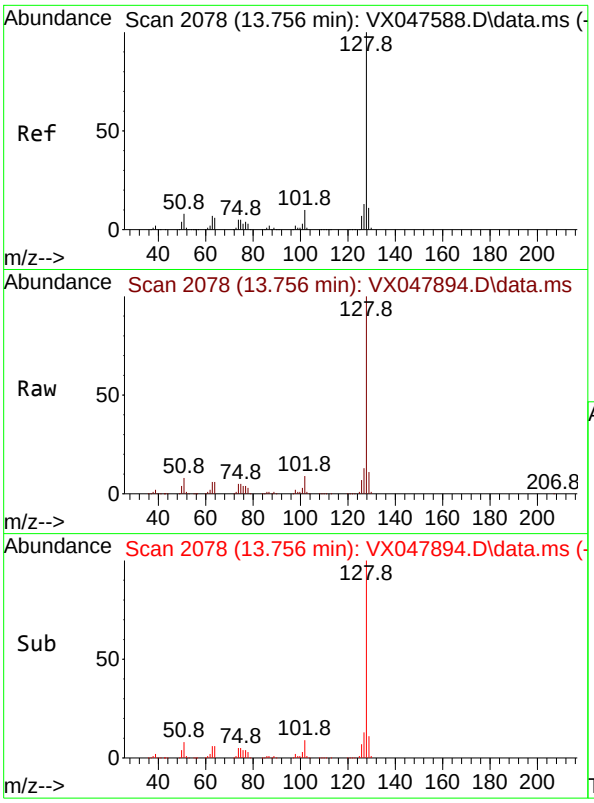


#94
Hexachlorobutadiene
Concen: 43.795 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:225 Resp: 37447

Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.7	95.1
227	62.6	32.0	96.0



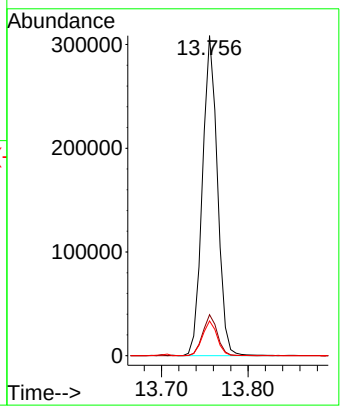


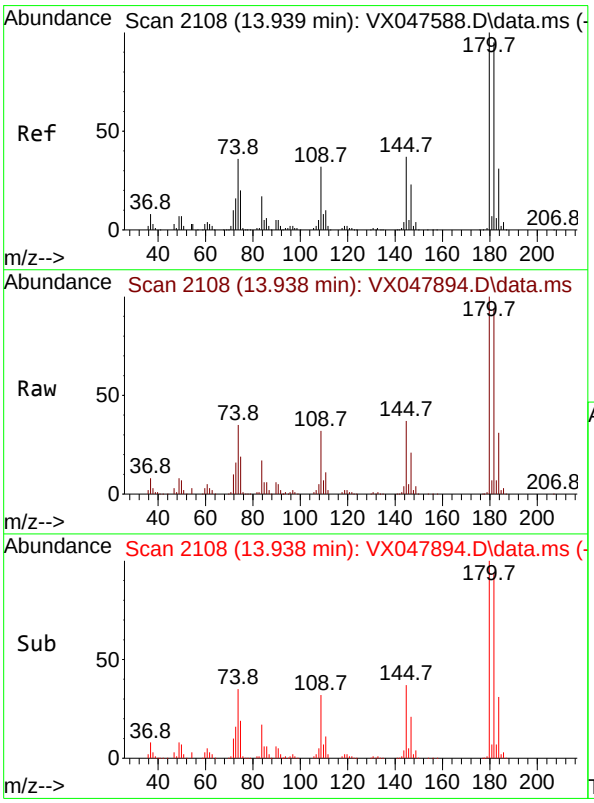
#95
Naphthalene
Concen: 48.390 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 370931

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	10.7	8.8	13.2

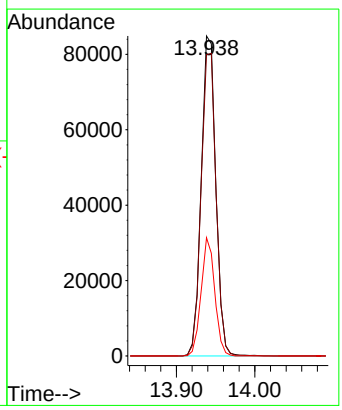




#96
1,2,3-Trichlorobenzene
Concen: 46.742 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047894.D
Acq: 29 Sep 2025 18:49

Tgt Ion:180 Resp: 109453

Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.6	142.8
145	34.7	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047896.D
Acq On : 30 Sep 2025 09:20
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Oct 01 01:03:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	159265	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	274684	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	247069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	121307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	124724	49.199	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 98.400%			
35) Dibromofluoromethane	5.367	113	98640	53.545	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.100%			
50) Toluene-d8	8.629	98	325148	51.009	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.020%			
62) 4-Bromofluorobenzene	11.061	95	120201	49.687	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.380%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	97022	58.829	ug/l	99
3) Chloromethane	1.301	50	113214	52.232	ug/l	97
4) Vinyl Chloride	1.380	62	116638	54.972	ug/l	98
5) Bromomethane	1.611	94	68890	51.203	ug/l	96
6) Chloroethane	1.691	64	78694	55.492	ug/l	97
7) Trichlorofluoromethane	1.892	101	172524	54.763	ug/l	99
8) Diethyl Ether	2.136	74	69421	53.868	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	100879	54.762	ug/l	97
10) Methyl Iodide	2.453	142	130308	45.357	ug/l	98
11) Tert butyl alcohol	2.941	59	68313	241.951	ug/l	99
12) 1,1-Dichloroethene	2.325	96	99847	52.767	ug/l	98
13) Acrolein	2.233	56	60815	233.739	ug/l	99
14) Allyl chloride	2.666	41	194156	49.724	ug/l	99
15) Acrylonitrile	3.056	53	296520	283.530	ug/l	100
16) Acetone	2.374	43	287150	260.508	ug/l	98
17) Carbon Disulfide	2.514	76	265675	51.287	ug/l	98
18) Methyl Acetate	2.697	43	144676	58.977	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	365318	52.887	ug/l	100
20) Methylene Chloride	2.788	84	125986	53.997	ug/l	91
21) trans-1,2-Dichloroethene	3.087	96	108133	53.079	ug/l	98
22) Diisopropyl ether	3.745	45	403919	53.376	ug/l #	85
23) Vinyl Acetate	3.709	43	1626309	268.522	ug/l	99
24) 1,1-Dichloroethane	3.599	63	214450	53.317	ug/l	100
25) 2-Butanone	4.532	43	369360	268.637	ug/l	97
26) 2,2-Dichloropropane	4.459	77	167775	50.180	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	132222	52.997	ug/l	97
28) Bromochloromethane	4.879	49	88396	50.341	ug/l	98
29) Tetrahydrofuran	4.983	42	220125	266.130	ug/l	100
30) Chloroform	5.074	83	216603	53.292	ug/l	97
31) Cyclohexane	5.452	56	155102	46.300	ug/l	95
32) 1,1,1-Trichloroethane	5.367	97	178835	51.873	ug/l	99
36) 1,1-Dichloropropene	5.678	75	135743	50.427	ug/l	99
37) Ethyl Acetate	4.696	43	152185	52.801	ug/l	99
38) Carbon Tetrachloride	5.660	117	151743	51.882	ug/l	92
39) Methylcyclohexane	7.360	83	140957	46.130	ug/l	99
40) Benzene	6.019	78	429759	52.564	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047896.D
Acq On : 30 Sep 2025 09:20
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Oct 01 01:03:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	82436	55.402	ug/l	99
42) 1,2-Dichloroethane	6.068	62	163028	52.407	ug/l	98
43) Isopropyl Acetate	6.318	43	245123	51.856	ug/l	98
44) Trichloroethene	7.104	130	101783	51.493	ug/l	95
45) 1,2-Dichloropropane	7.409	63	113369	54.152	ug/l	100
46) Dibromomethane	7.562	93	83867	55.050	ug/l	98
47) Bromodichloromethane	7.805	83	170796	54.329	ug/l	99
48) Methyl methacrylate	7.671	41	122288	51.936	ug/l	98
49) 1,4-Dioxane	7.641	88	30052	1262.927	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	719388	274.485	ug/l	100
52) Toluene	8.702	92	262130	52.039	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	167386	52.199	ug/l	98
54) cis-1,3-Dichloropropene	8.348	75	181042	52.821	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	105403	54.267	ug/l	97
56) Ethyl methacrylate	9.098	69	163078	53.463	ug/l	98
57) 1,3-Dichloropropane	9.293	76	182646	54.741	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	425504	288.987	ug/l	100
59) 2-Hexanone	9.415	43	503092	267.273	ug/l	98
60) Dibromochloromethane	9.506	129	124090	55.448	ug/l	98
61) 1,2-Dibromoethane	9.592	107	108616	54.903	ug/l	99
64) Tetrachloroethene	9.256	164	79687	49.476	ug/l	99
65) Chlorobenzene	10.061	112	292200	52.058	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	104056	53.724	ug/l	100
67) Ethyl Benzene	10.177	91	489523	50.546	ug/l	100
68) m/p-Xylenes	10.287	106	367685	102.001	ug/l	99
69) o-Xylene	10.622	106	178721	51.259	ug/l	99
70) Styrene	10.640	104	316919	51.876	ug/l	98
71) Bromoform	10.781	173	79707	55.113	ug/l	99
73) Isopropylbenzene	10.945	105	453987	49.226	ug/l	99
74) N-amyl acetate	10.823	43	207377	49.310	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	148724	53.301	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	164823	67.108	ug/l	91
77) Bromobenzene	11.177	156	114778	50.531	ug/l	96
78) n-propylbenzene	11.287	91	534401	49.018	ug/l	99
79) 2-Chlorotoluene	11.348	91	328025	49.125	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	375552	49.564	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	46406	48.183	ug/l	99
82) 4-Chlorotoluene	11.433	91	389550	49.396	ug/l	99
83) tert-Butylbenzene	11.695	119	376514	48.542	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	379320	49.378	ug/l	100
85) sec-Butylbenzene	11.872	105	443652	48.154	ug/l	100
86) p-Isopropyltoluene	11.988	119	371954	47.687	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	207204	49.112	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	210050	48.509	ug/l	98
89) n-Butylbenzene	12.317	91	337054	46.701	ug/l	99
90) Hexachloroethane	12.518	117	68737	50.194	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	202692	50.428	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	28623	50.667	ug/l	99
93) 1,2,4-Trichlorobenzene	13.567	180	120450	46.109	ug/l	98
94) Hexachlorobutadiene	13.707	225	36987	41.684	ug/l	98
95) Naphthalene	13.756	128	391072	49.163	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	115245	47.426	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047896.D
Acq On : 30 Sep 2025 09:20
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Oct 01 01:03:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

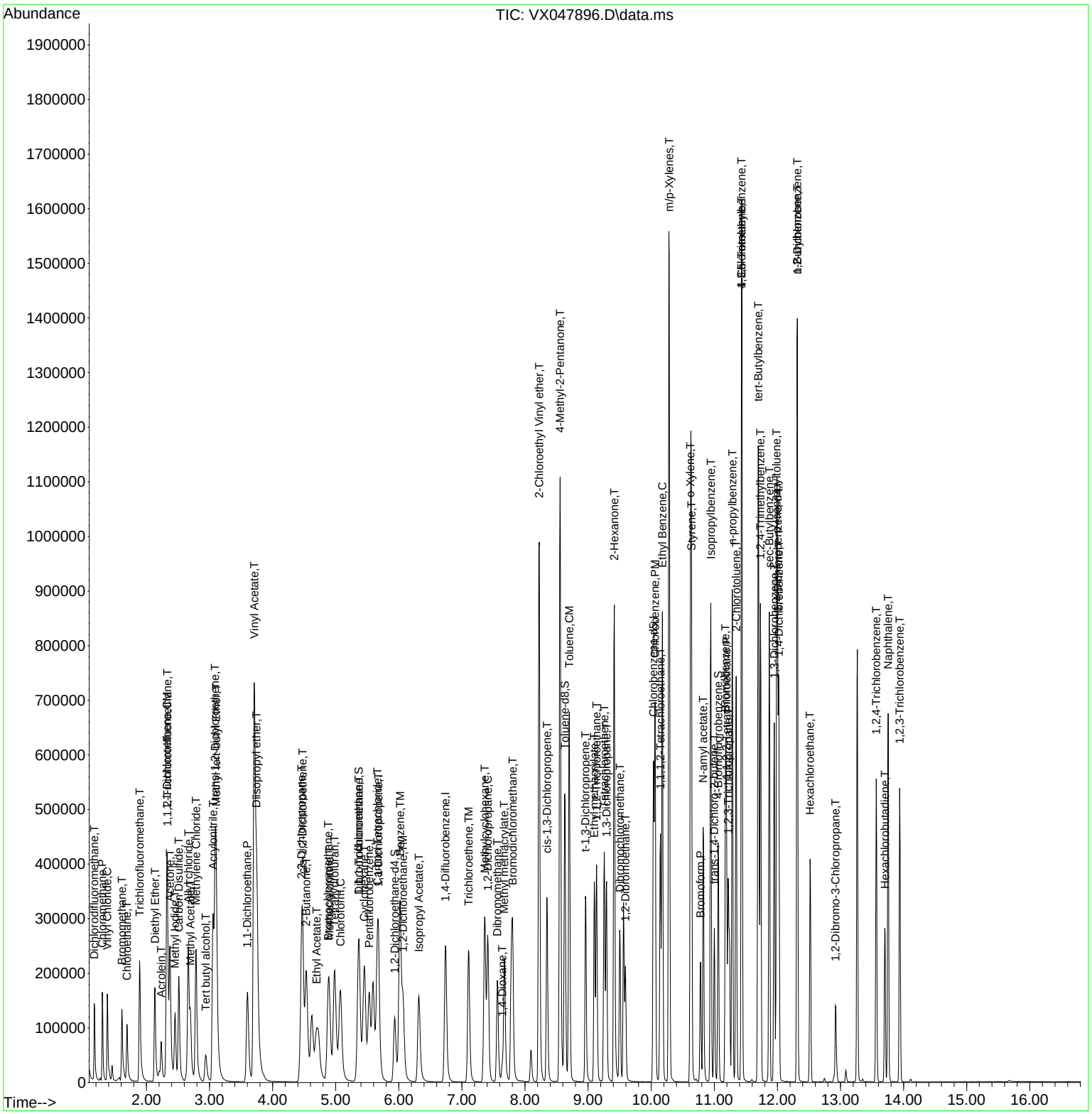
(#) = qualifier out of range (m) = manual integration (+) = signals summed

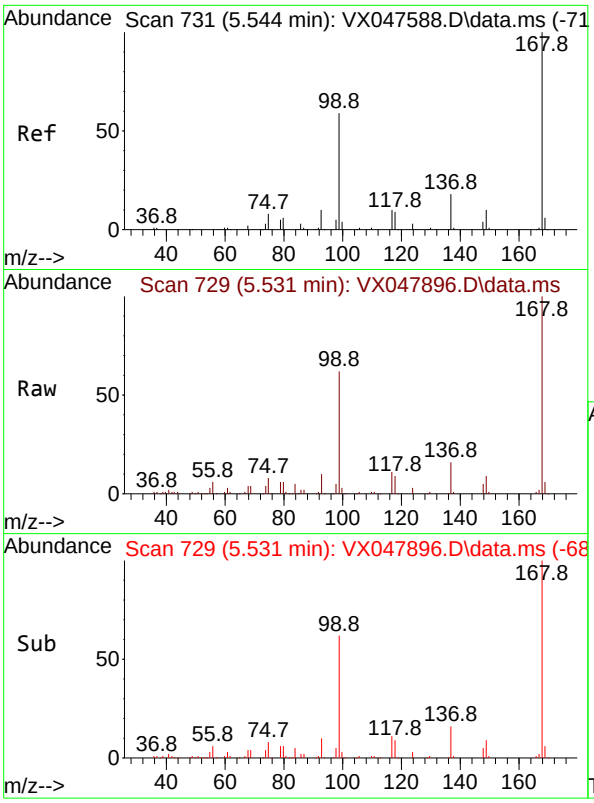
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047896.D
Acq On : 30 Sep 2025 09:20
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Oct 01 01:03:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



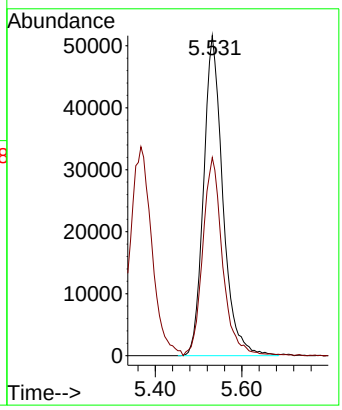


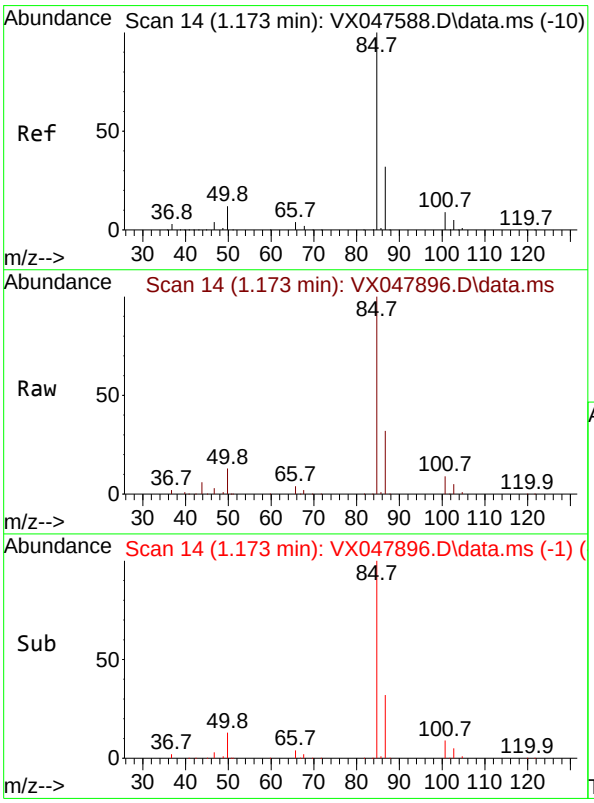
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 159265

Ion	Ratio	Lower	Upper
168	100		
99	61.4	48.8	73.2

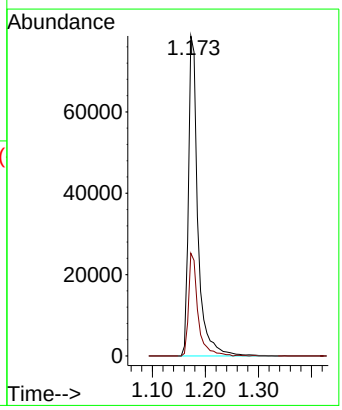


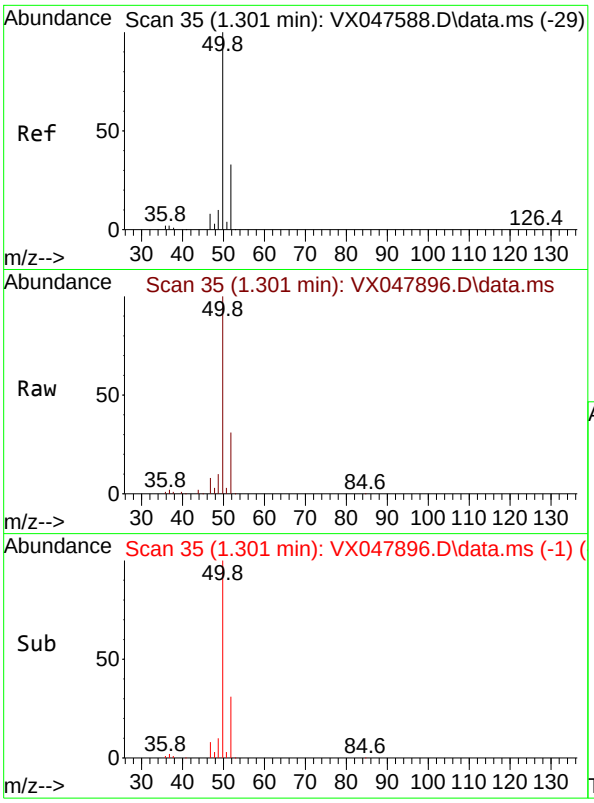


#2
Dichlorodifluoromethane
Concen: 58.829 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 85 Resp: 97022

Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.8	47.3



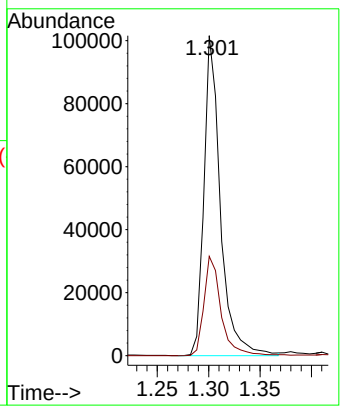


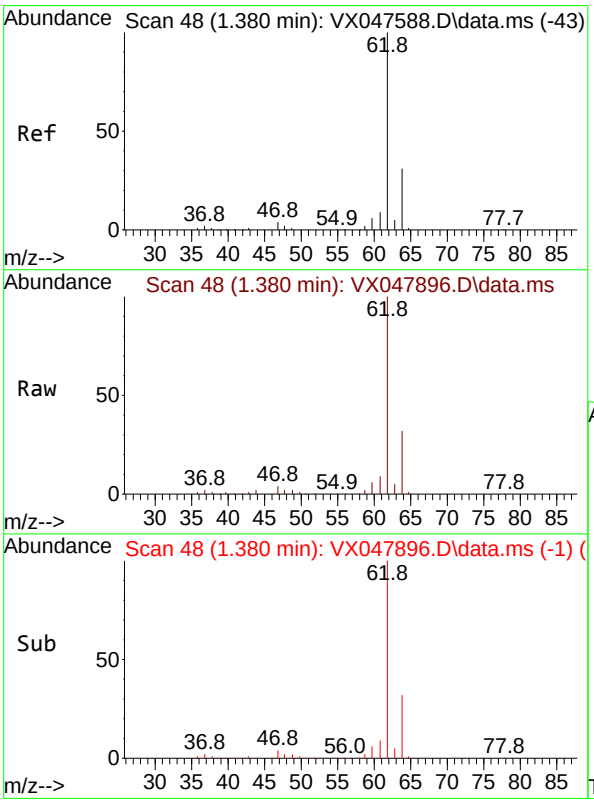
#3
Chloromethane
Concen: 52.232 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 113214

Ion	Ratio	Lower	Upper
50	100		
52	31.1	26.1	39.1

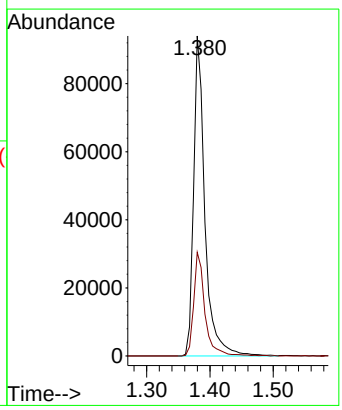


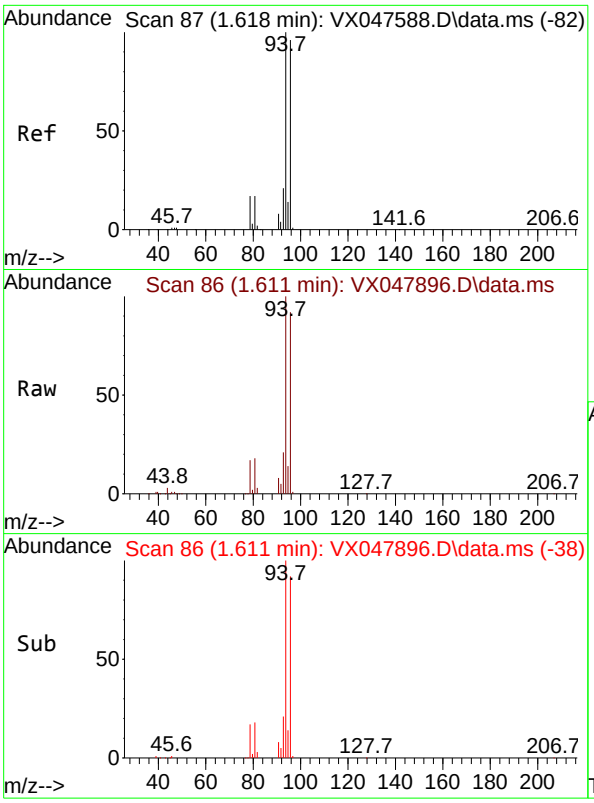


#4
Vinyl Chloride
Concen: 54.972 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 62 Resp: 116638

Ion	Ratio	Lower	Upper
62	100		
64	32.4	24.9	37.3



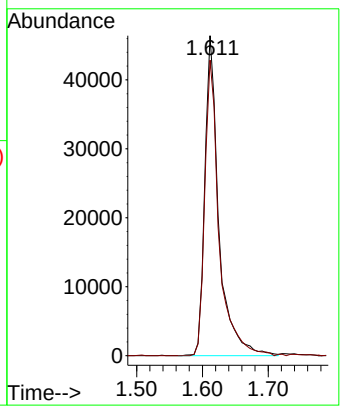


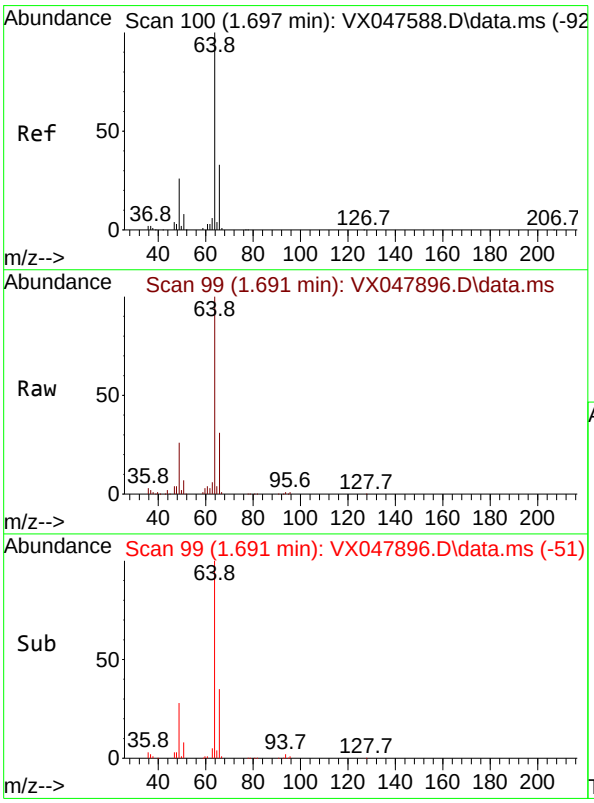
#5
Bromomethane
Concen: 51.203 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 68890

Ion	Ratio	Lower	Upper
94	100		
96	92.4	76.6	115.0

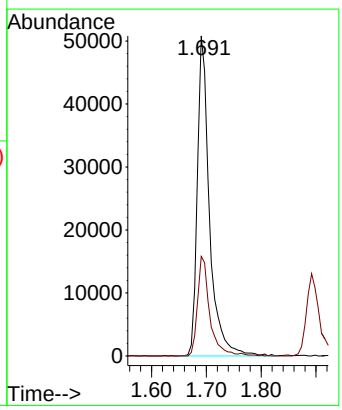


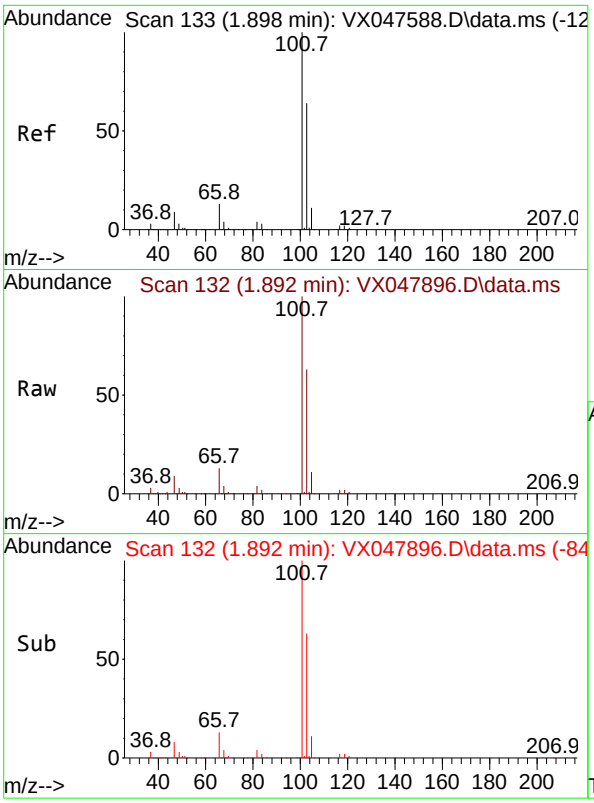


#6
Chloroethane
Concen: 55.492 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 64 Resp: 78694

Ion	Ratio	Lower	Upper
64	100		
66	31.1	26.1	39.1



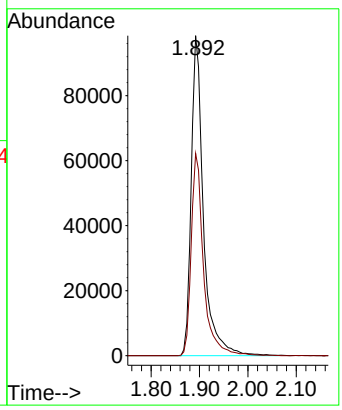


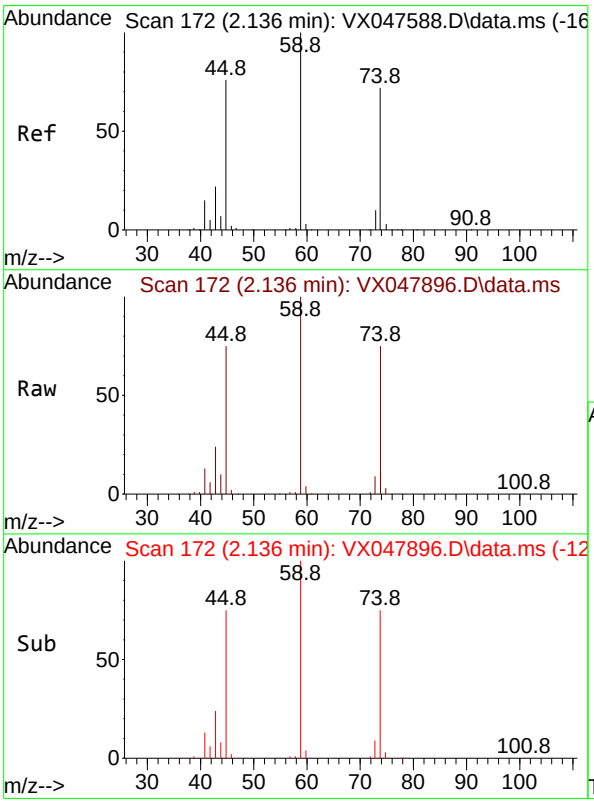
#7
Trichlorofluoromethane
Concen: 54.763 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 172524

Ion	Ratio	Lower	Upper
101	100		
103	63.2	51.4	77.2

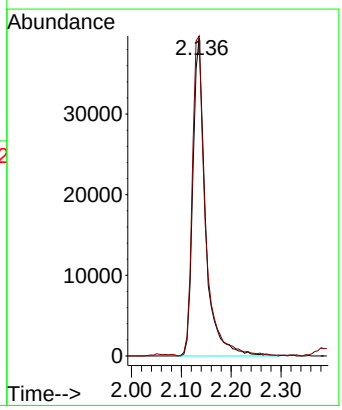


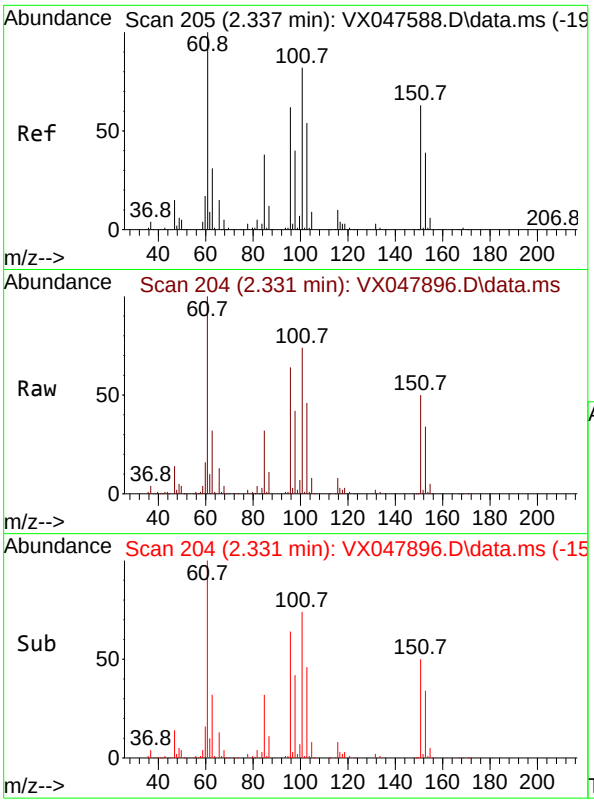


#8
Diethyl Ether
Concen: 53.868 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 74 Resp: 69421

Ion	Ratio	Lower	Upper
74	100		
45	105.3	52.3	156.8



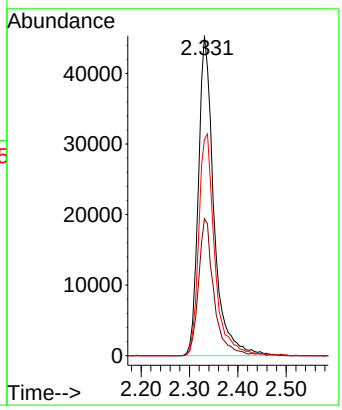


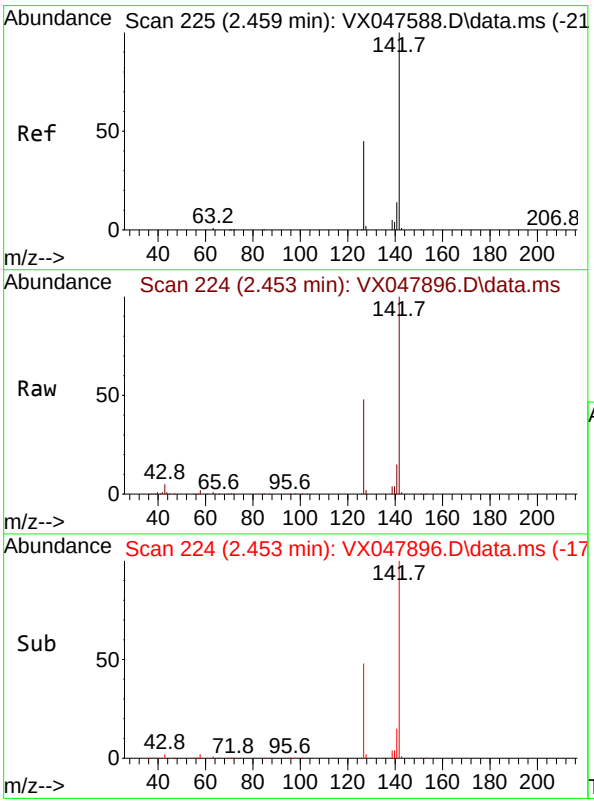
#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.762 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 100879

Ion	Ratio	Lower	Upper
101	100		
85	42.2	35.5	53.3
151	71.8	59.4	89.0

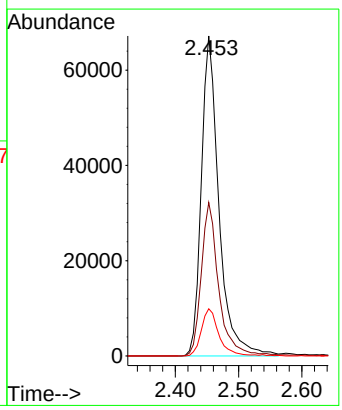


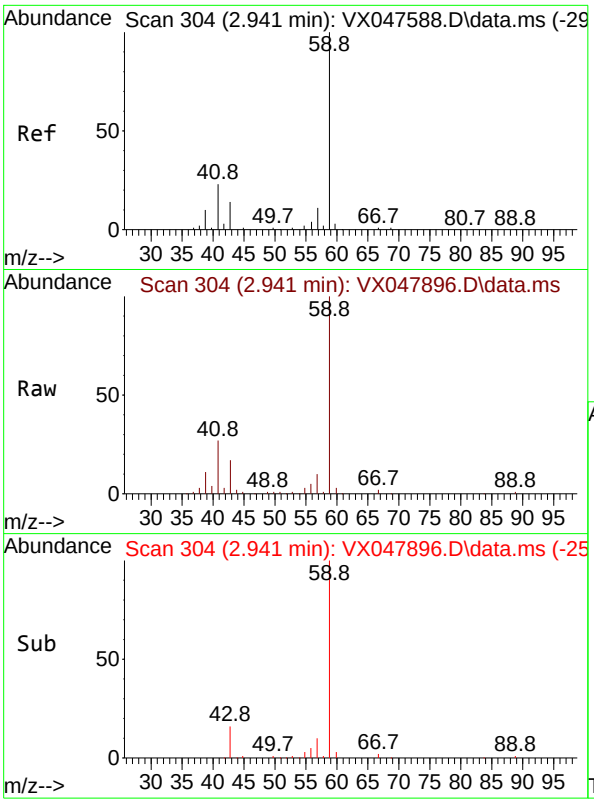


#10
Methyl Iodide
Concen: 45.357 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:142 Resp: 130308

Ion	Ratio	Lower	Upper
142	100		
127	47.9	37.2	55.8
141	14.6	11.4	17.0



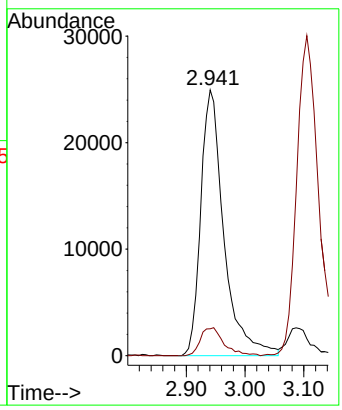


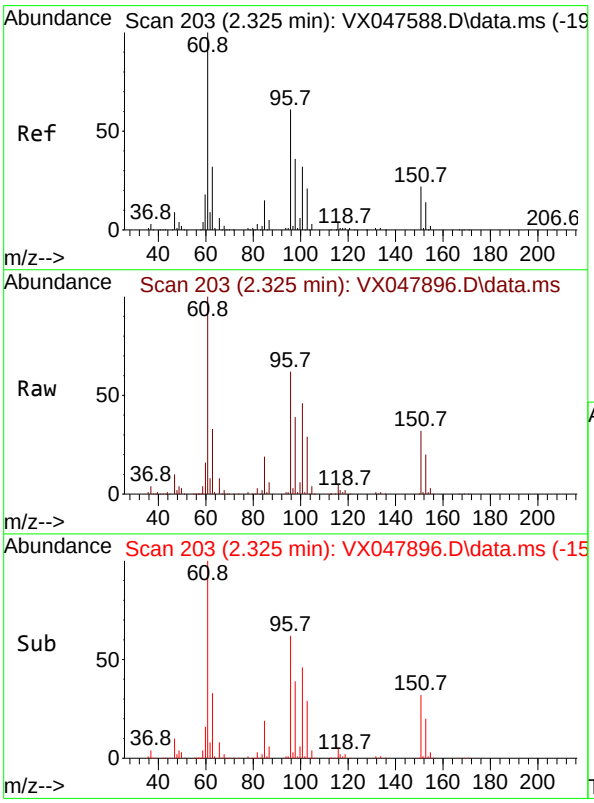
#11
Tert butyl alcohol
Concen: 241.951 ug/l
RT: 2.941 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 68313

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.3	12.5

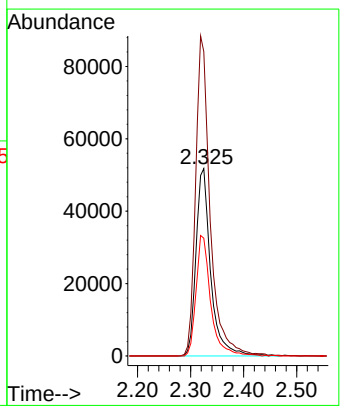


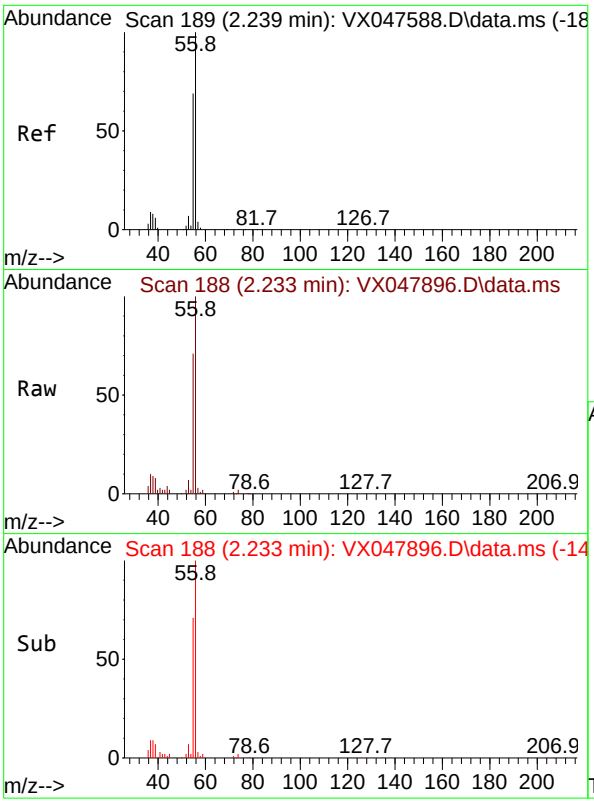


#12
1,1-Dichloroethene
Concen: 52.767 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 96 Resp: 99847

Ion	Ratio	Lower	Upper
96	100		
61	162.4	131.0	196.6
98	62.9	47.7	71.5



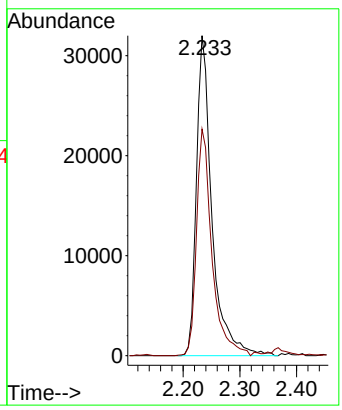


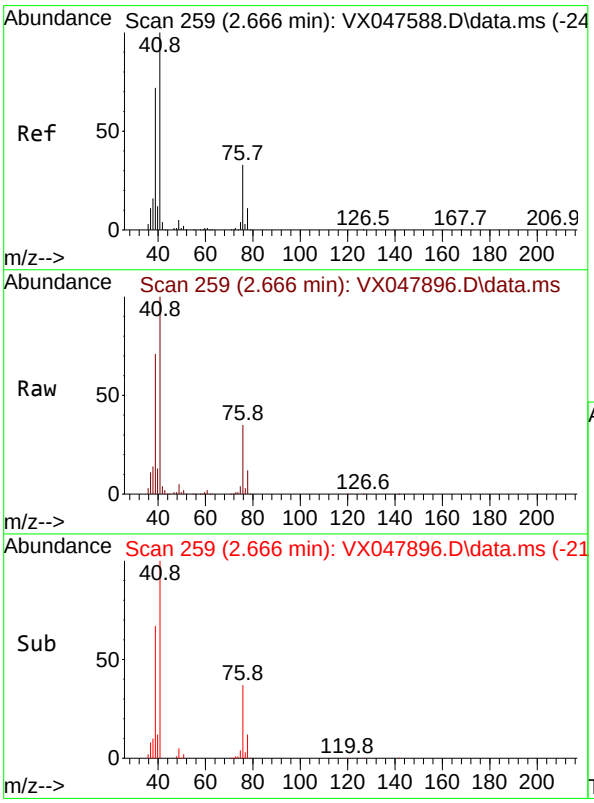
#13
Acrolein
Concen: 233.739 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 60815

Ion	Ratio	Lower	Upper
56	100		
55	70.5	57.2	85.8

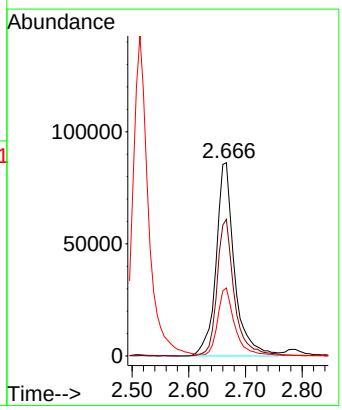


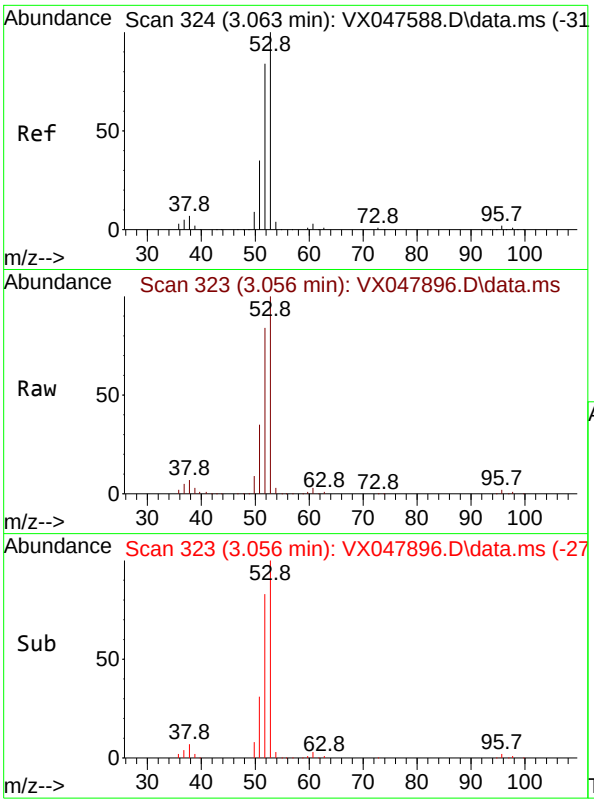


#14
Allyl chloride
Concen: 49.724 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 41 Resp: 194156

Ion	Ratio	Lower	Upper
41	100		
39	66.7	54.7	82.1
76	32.0	25.7	38.5



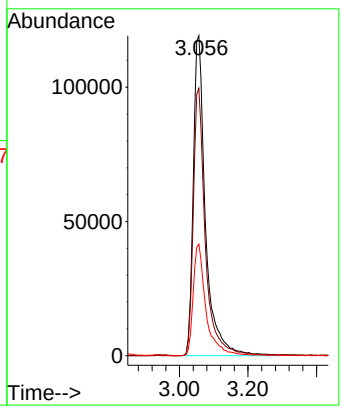


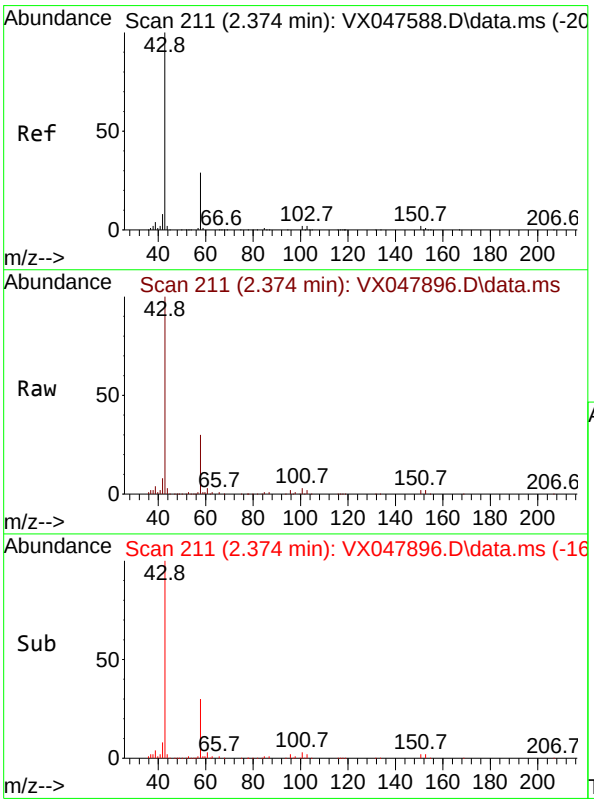
#15
Acrylonitrile
Concen: 283.530 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 296520

Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.4	99.6
51	36.4	29.5	44.3

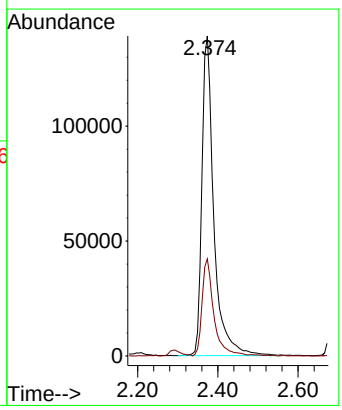


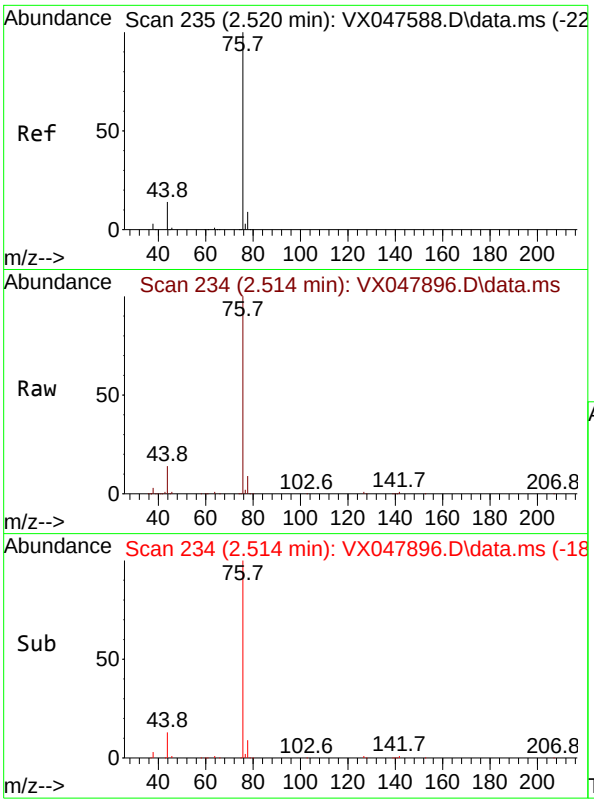


#16
Acetone
Concen: 260.508 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 43 Resp: 287150

Ion	Ratio	Lower	Upper
43	100		
58	30.5	23.4	35.0



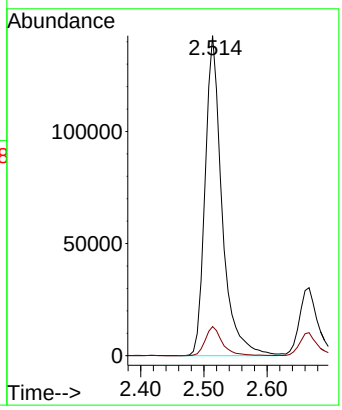


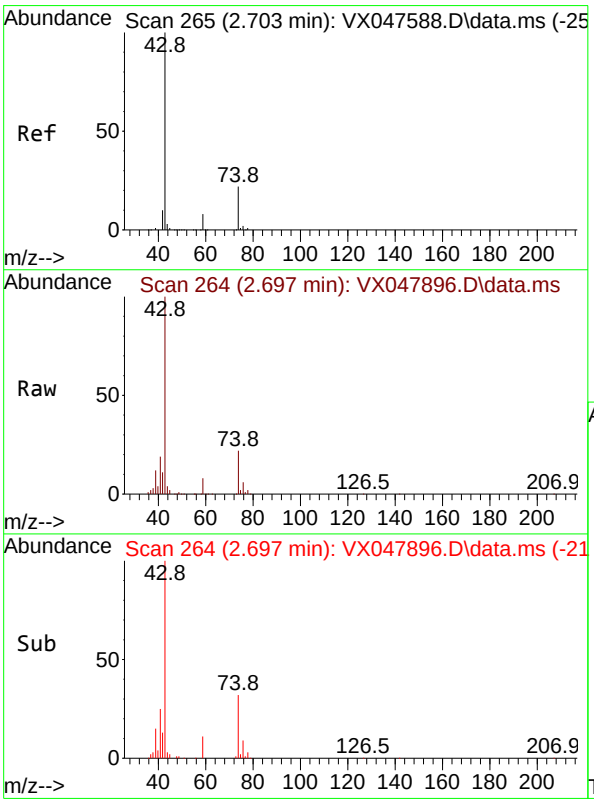
#17
Carbon Disulfide
Concen: 51.287 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 265675

Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.8	10.2

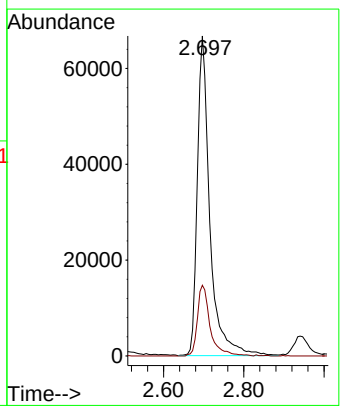


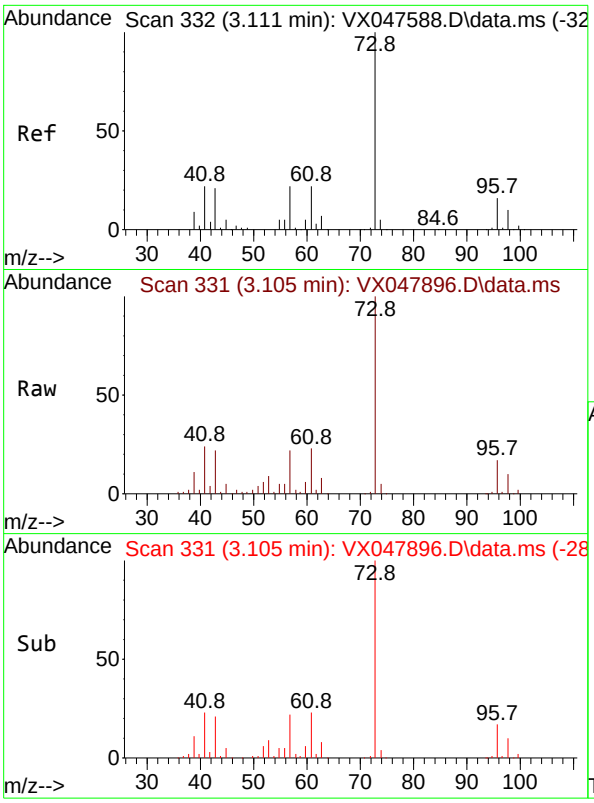


#18
Methyl Acetate
Concen: 58.977 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 43 Resp: 144676

Ion	Ratio	Lower	Upper
43	100		
74	22.5	17.4	26.2



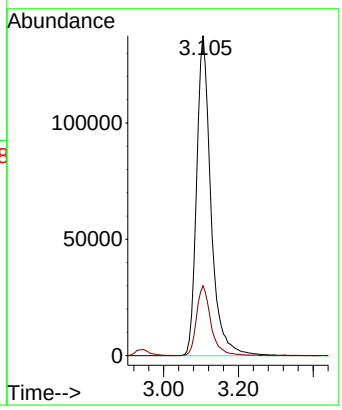


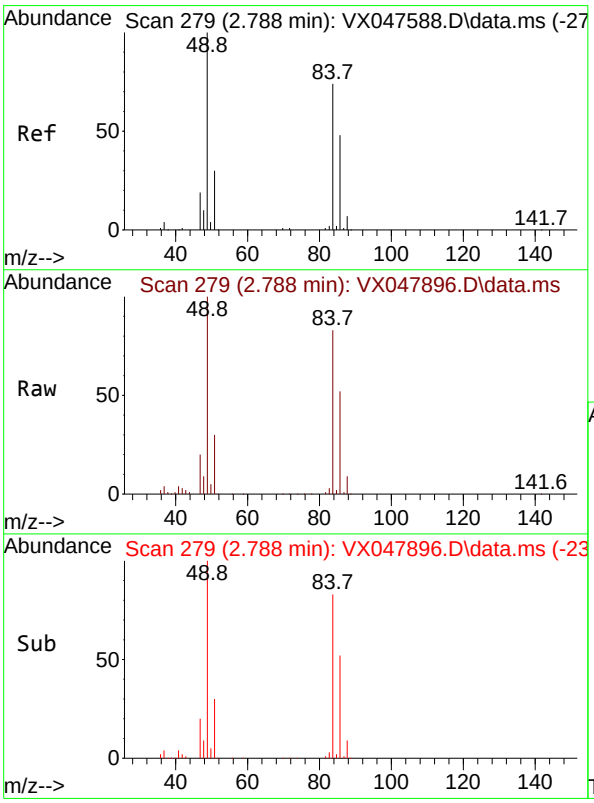
#19
Methyl tert-butyl Ether
Concen: 52.887 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 365318

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.2

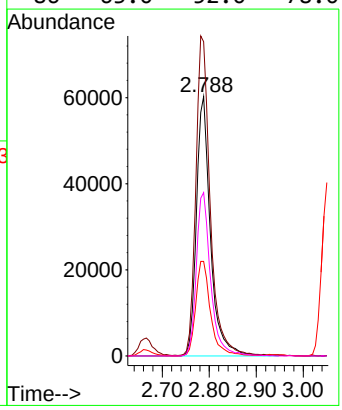


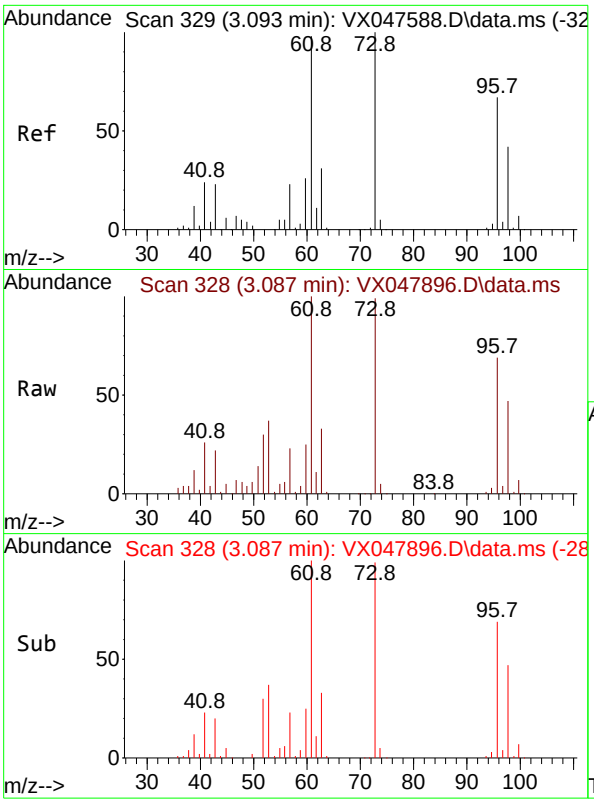


#20
Methylene Chloride
Concen: 53.997 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 84 Resp: 125986

Ion	Ratio	Lower	Upper
84	100		
49	120.9	108.6	162.8
51	36.5	32.6	48.8
86	63.0	52.0	78.0



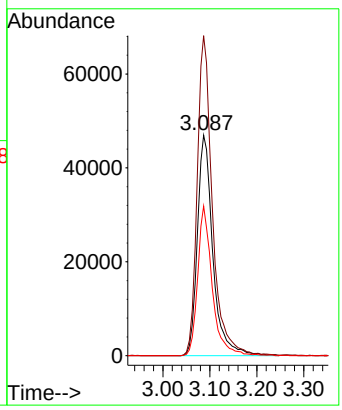


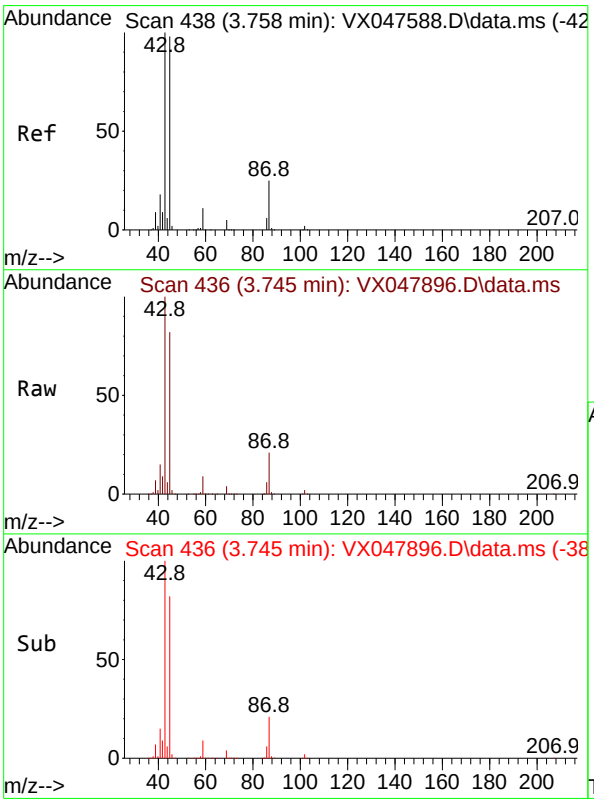
#21
trans-1,2-Dichloroethene
Concen: 53.079 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 108133

Ion	Ratio	Lower	Upper
96	100		
61	145.1	116.2	174.2
98	67.8	49.3	73.9

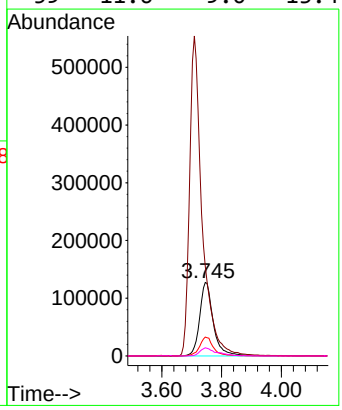


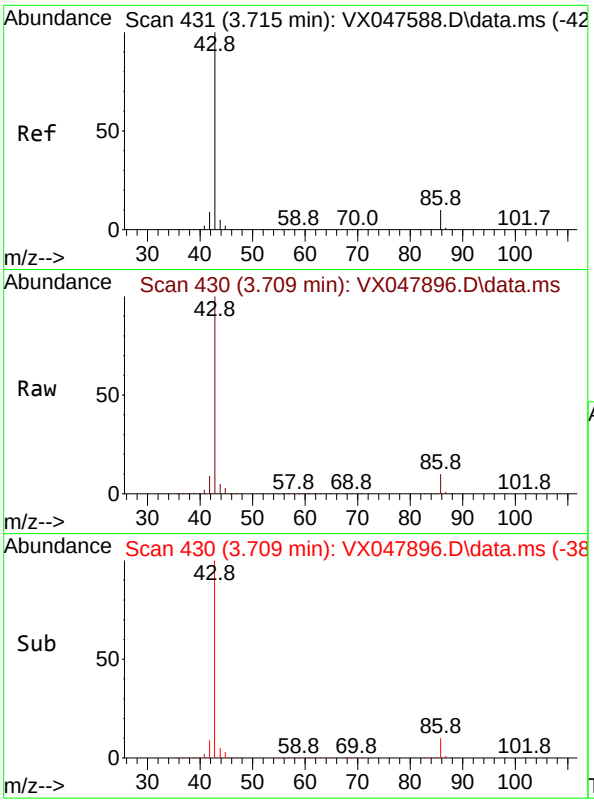


#22
Diisopropyl ether
Concen: 53.376 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 45 Resp: 403919

Ion	Ratio	Lower	Upper
45	100		
43	122.1	81.0	121.4#
87	25.7	20.3	30.5
59	11.6	9.0	13.4



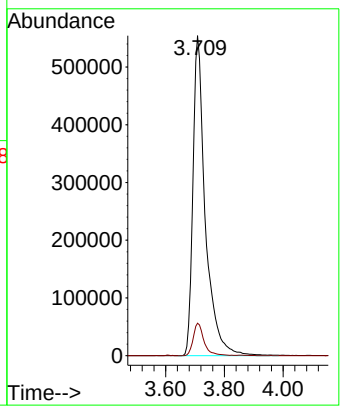


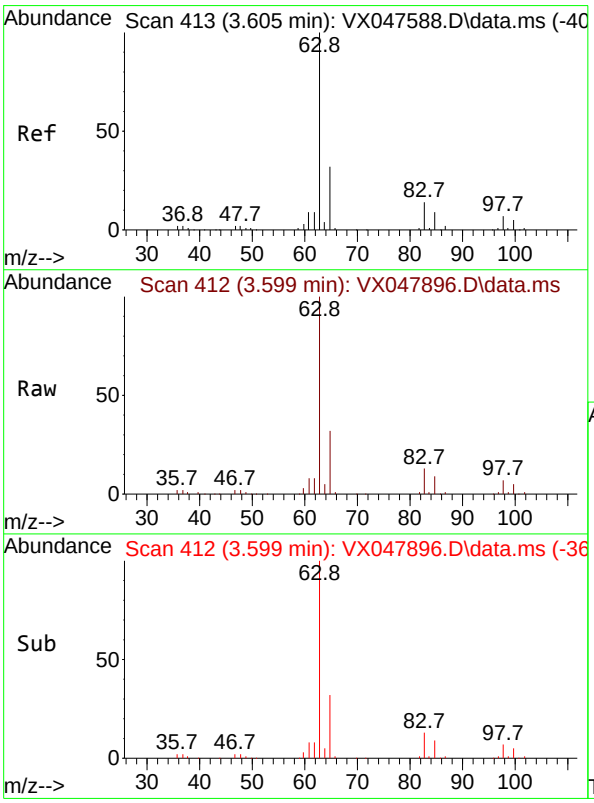
#23
Vinyl Acetate
Concen: 268.522 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1626309

Ion	Ratio	Lower	Upper
43	100		
86	10.2	7.8	11.8

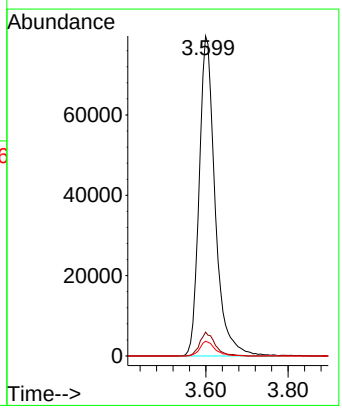


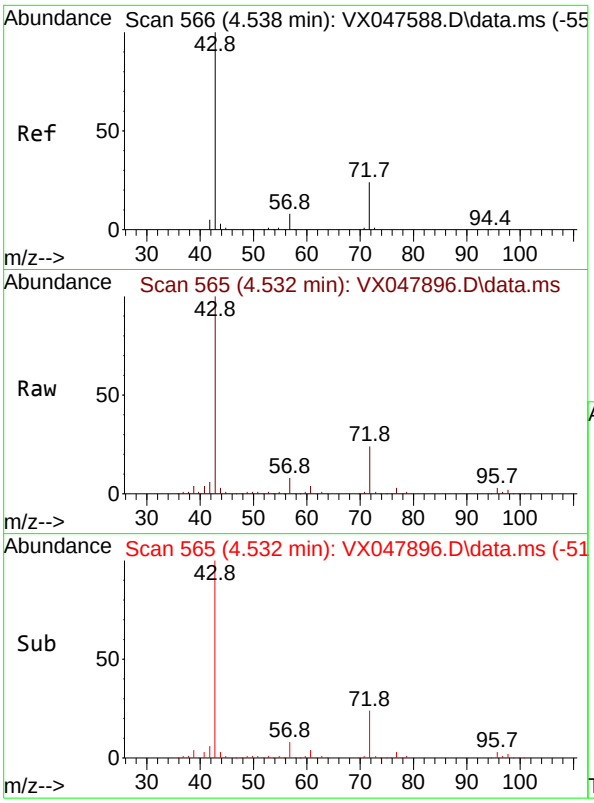


#24
1,1-Dichloroethane
Concen: 53.317 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 63 Resp: 214450

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.8	11.2
100	4.8	2.3	6.9



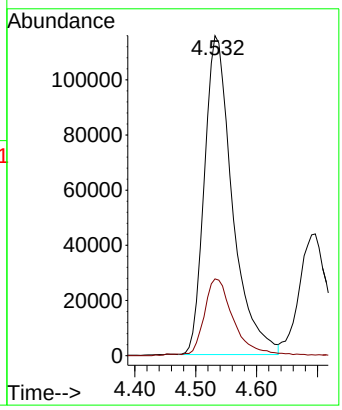


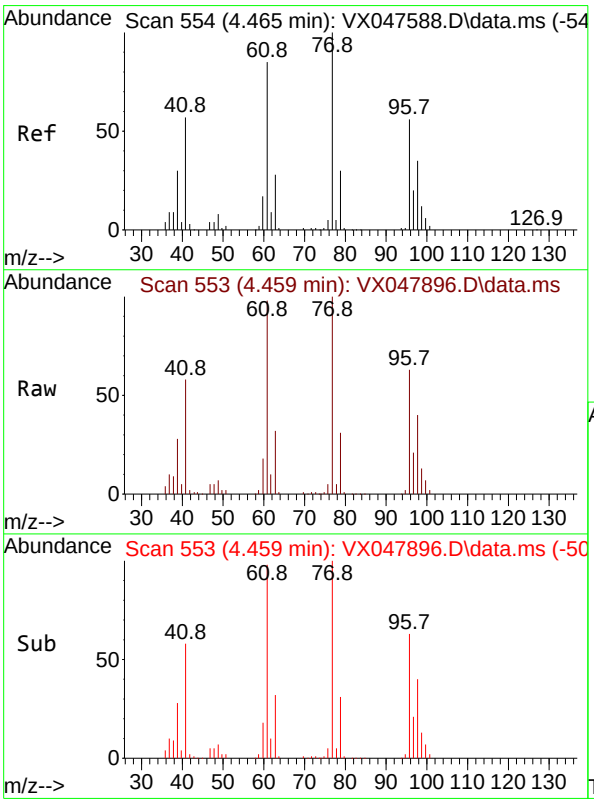
#25
2-Butanone
Concen: 268.637 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 369360

Ion	Ratio	Lower	Upper
43	100		
72	23.4	20.1	30.1

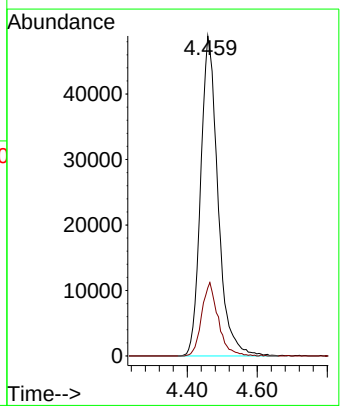


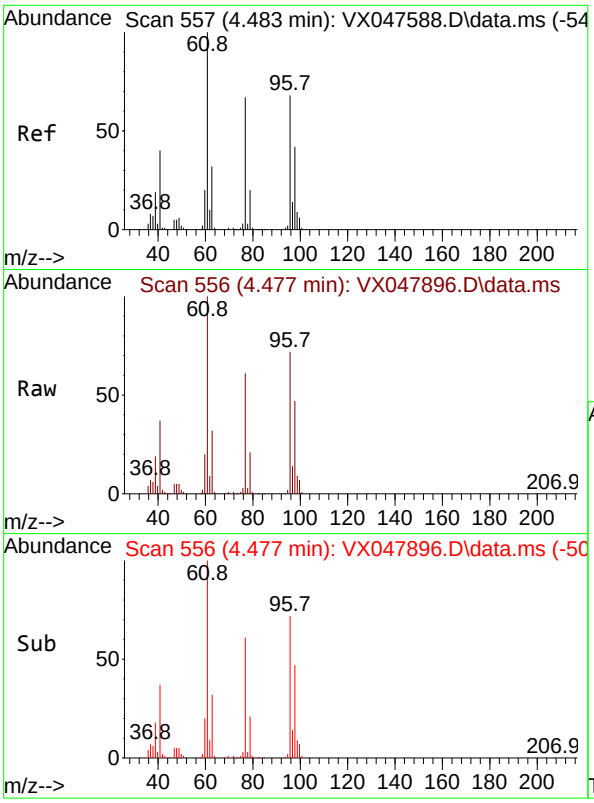


#26
2,2-Dichloropropane
Concen: 50.180 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 77 Resp: 167775

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.7



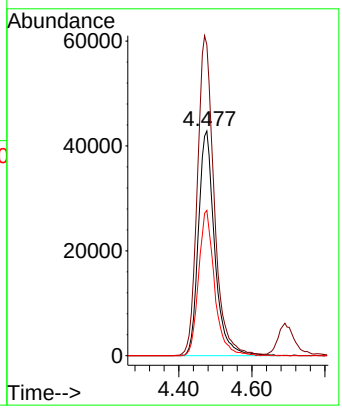


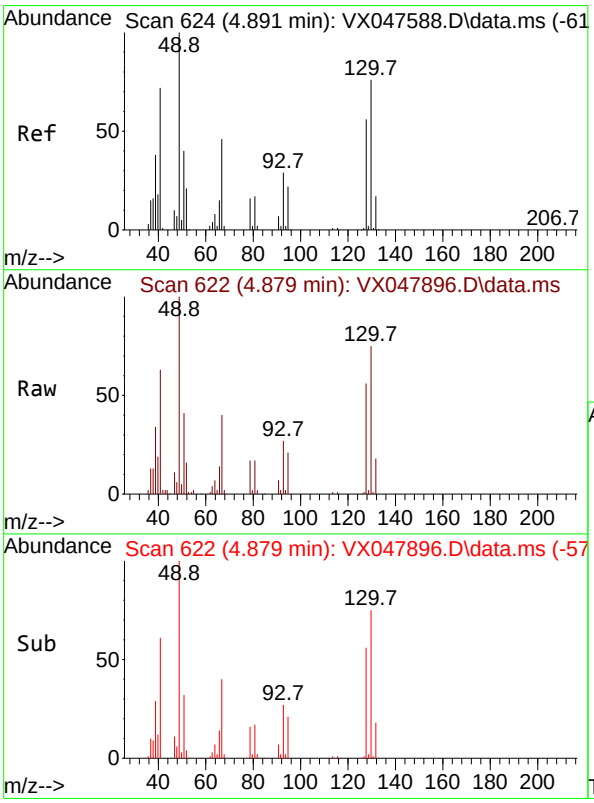
#27
cis-1,2-Dichloroethene
Concen: 52.997 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 132222

Ion	Ratio	Lower	Upper
96	100		
61	147.3	0.0	303.2
98	63.5	0.0	127.8

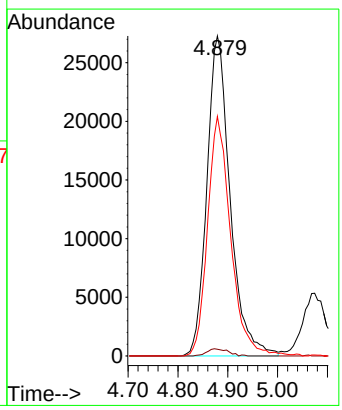


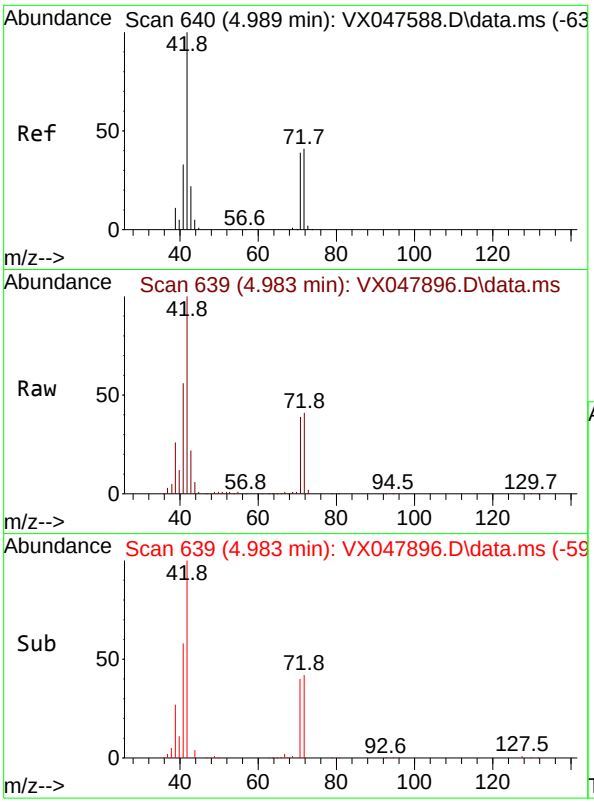


#28
Bromochloromethane
Concen: 50.341 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 49 Resp: 88396

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.2
130	74.2	57.8	86.8



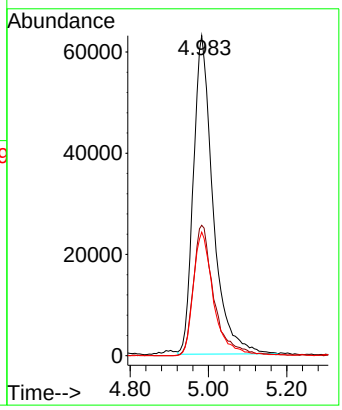


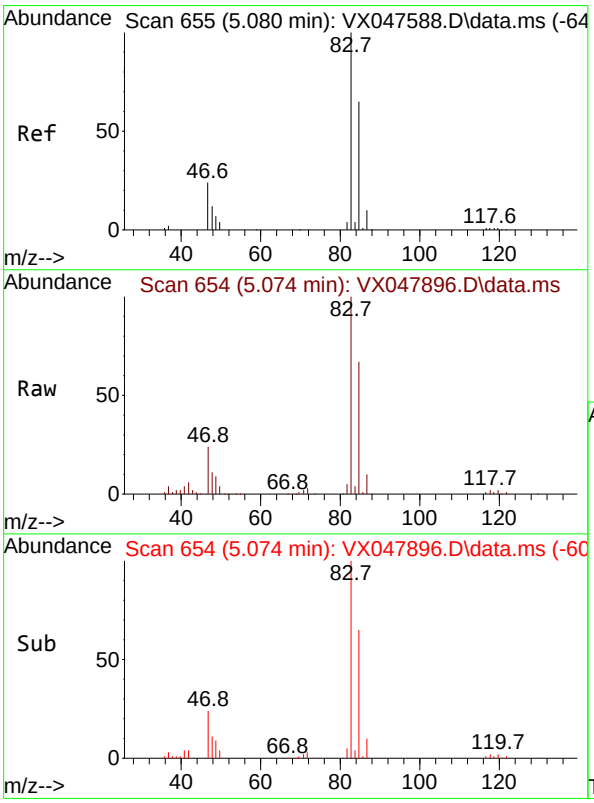
#29
Tetrahydrofuran
Concen: 266.130 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 220125

Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.2	51.2
71	39.9	31.9	47.9

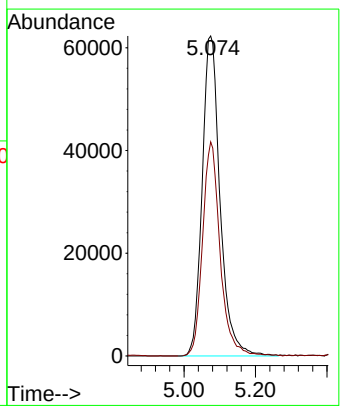


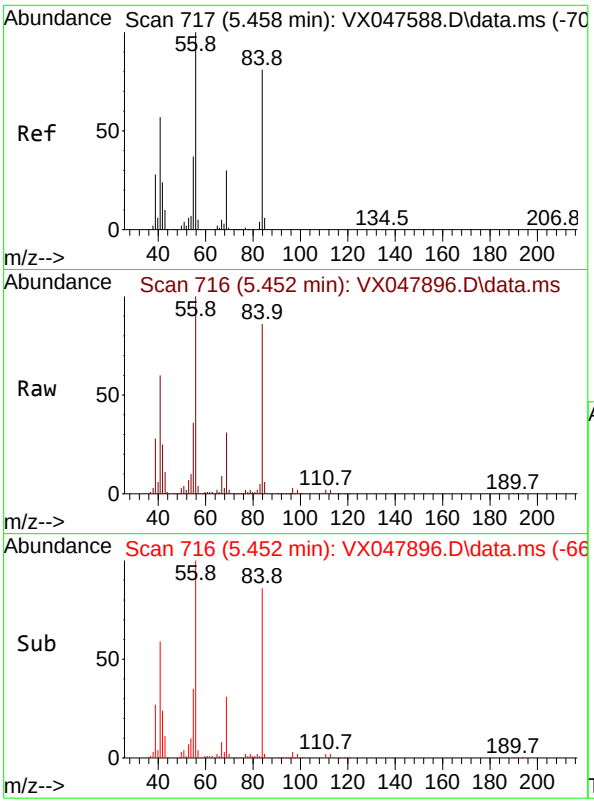


#30
Chloroform
Concen: 53.292 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 83 Resp: 216603

Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.8	77.6



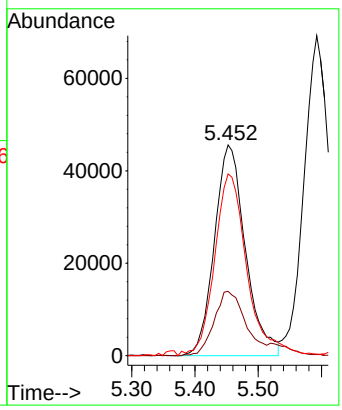


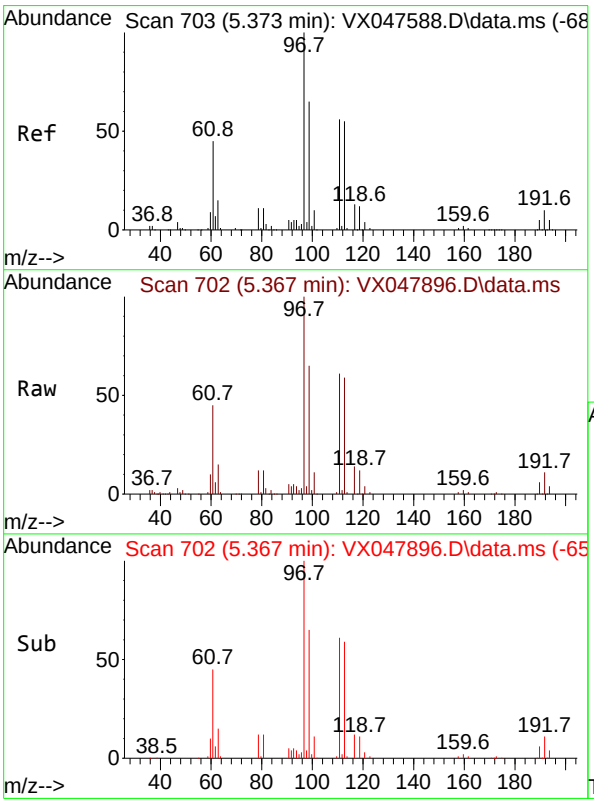
#31
Cyclohexane
Concen: 46.300 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 155102

Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.8	35.8
84	86.3	64.6	97.0

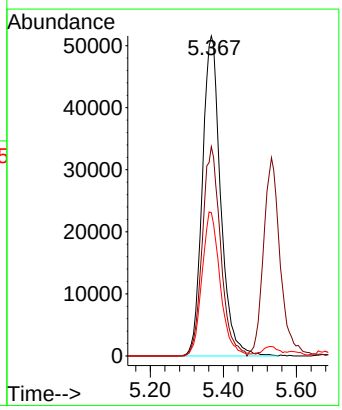


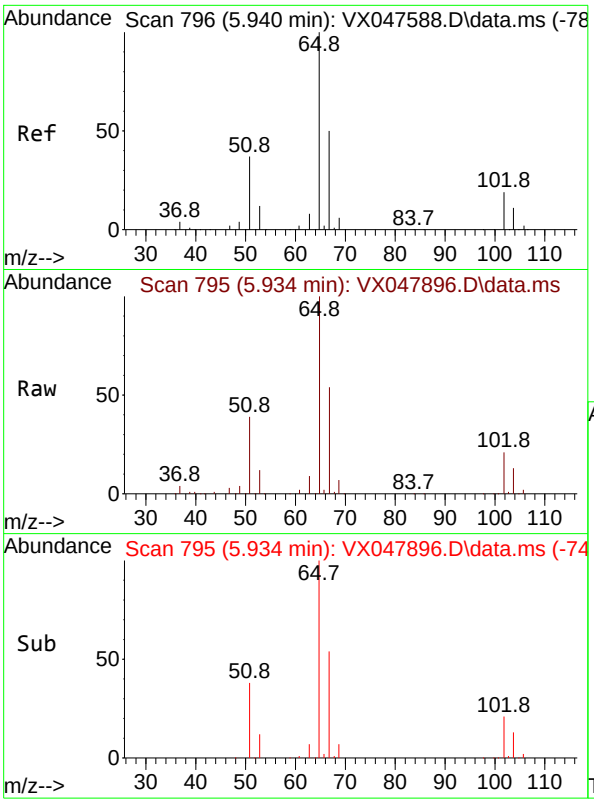


#32
1,1,1-Trichloroethane
Concen: 51.873 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 97 Resp: 178835

Ion	Ratio	Lower	Upper
97	100		
99	64.9	50.6	76.0
61	44.9	35.8	53.8



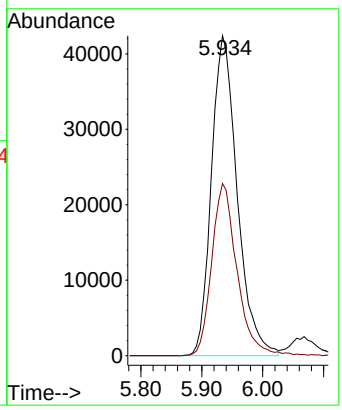


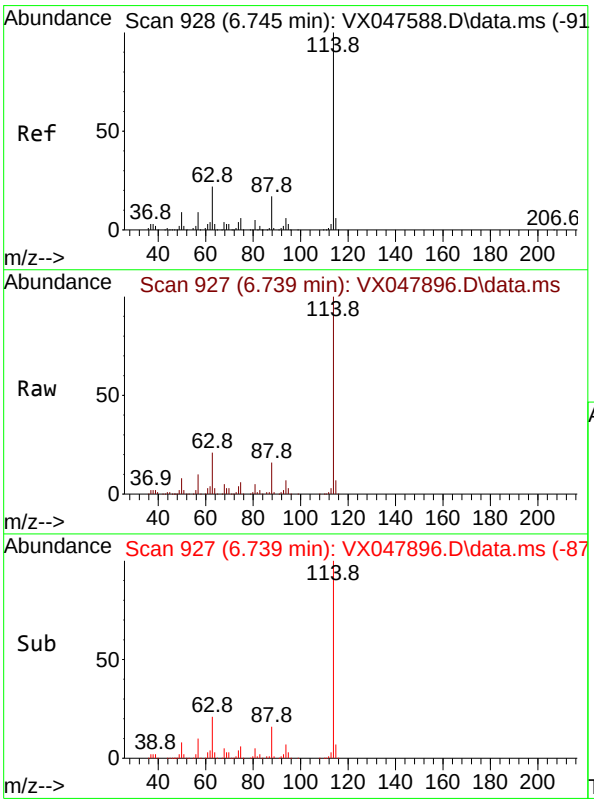
#33
1,2-Dichloroethane-d4
Concen: 49.199 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 124724

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	103.0

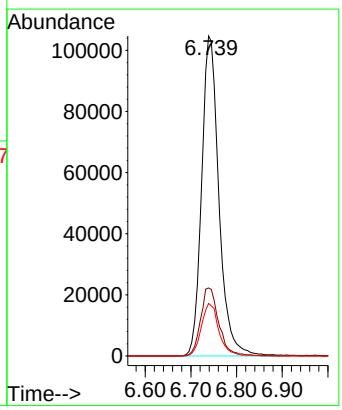


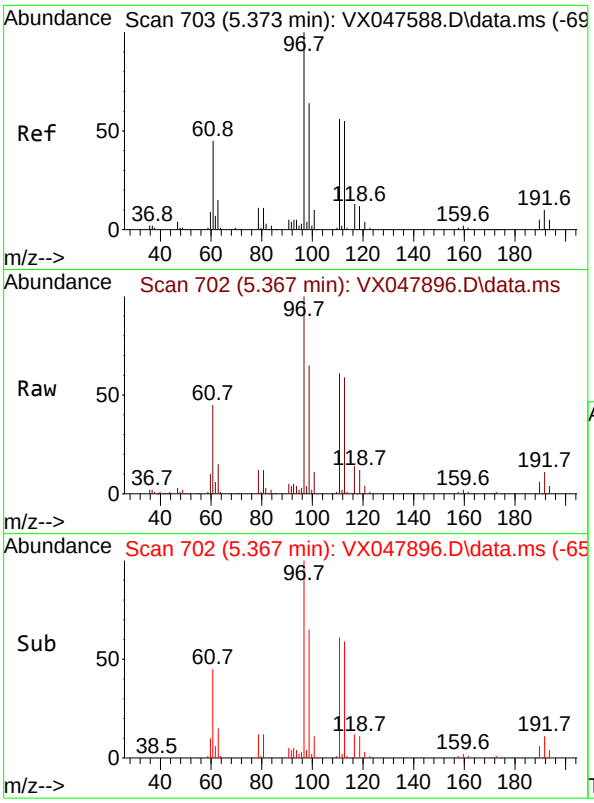


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:114 Resp: 274684

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	44.0
88	16.4	0.0	34.2



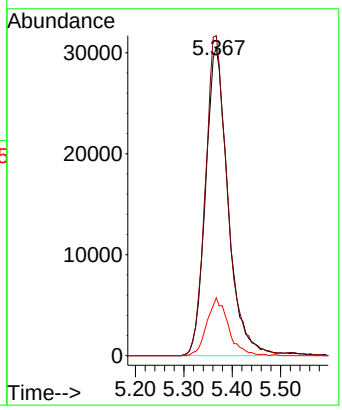


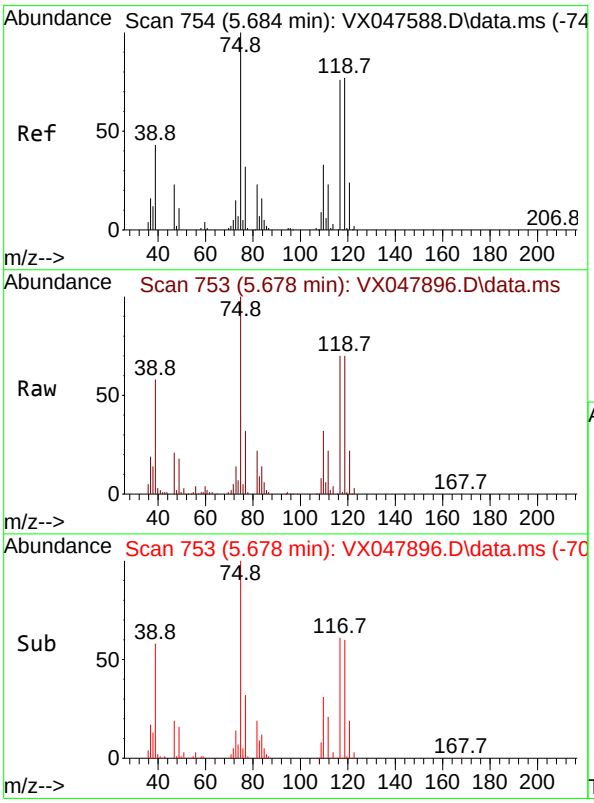
#35
Dibromofluoromethane
Concen: 53.545 ug/l
RT: 5.367 min Scan# 7(
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 98640

Ion	Ratio	Lower	Upper
113	100		
111	103.0	80.9	121.3
192	18.0	14.2	21.4

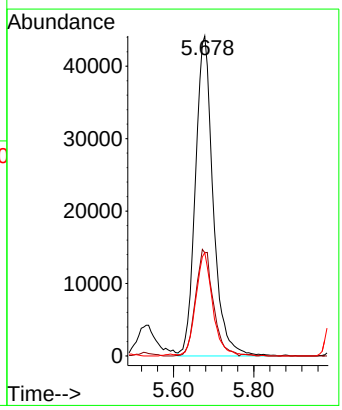


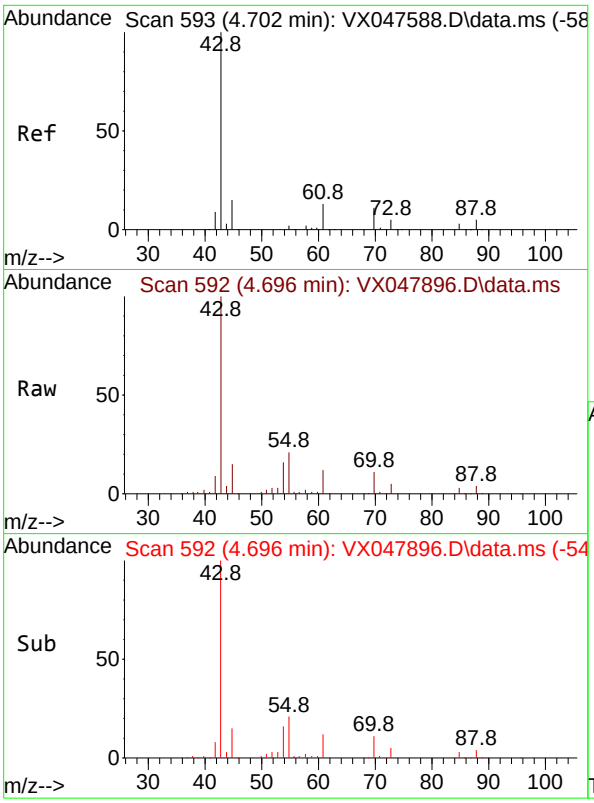


#36
1,1-Dichloropropene
Concen: 50.427 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 75 Resp: 135743

Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.7	50.1
77	31.0	24.3	36.5



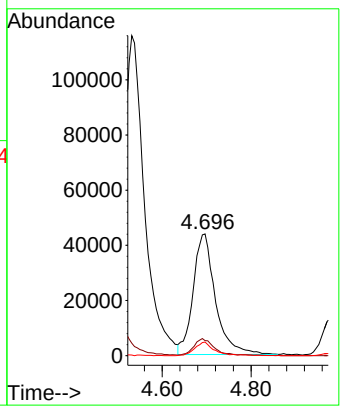


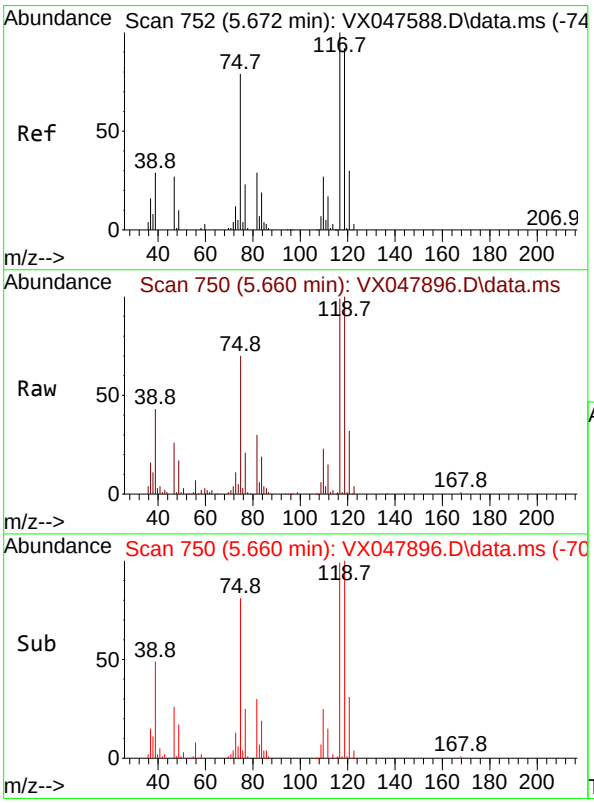
#37
Ethyl Acetate
Concen: 52.801 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 152185

Ion	Ratio	Lower	Upper
43	100		
61	11.5	9.8	14.8
70	10.0	7.9	11.9

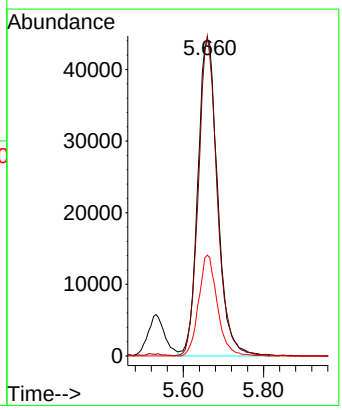


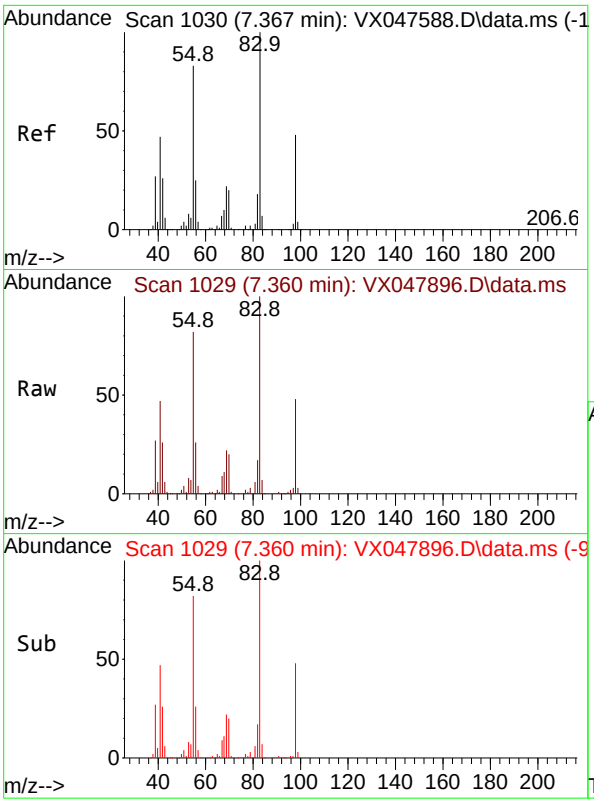


#38
Carbon Tetrachloride
Concen: 51.882 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:117 Resp: 151743

Ion	Ratio	Lower	Upper
117	100		
119	100.8	73.4	110.2
121	31.8	23.8	35.6



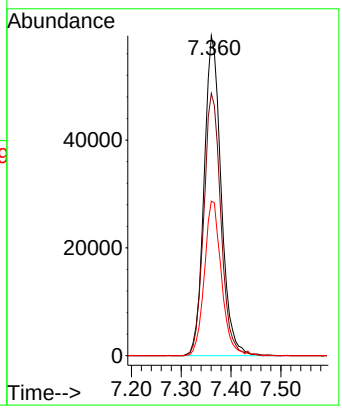


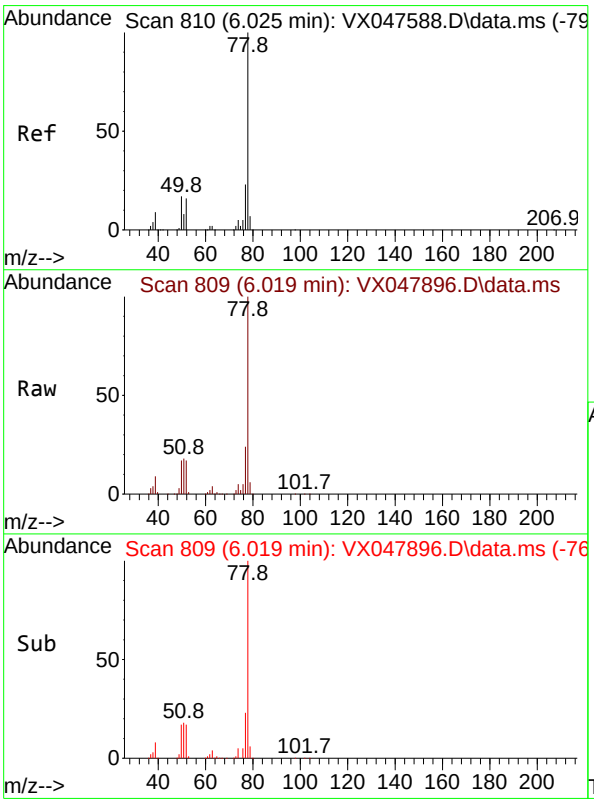
#39
Methylcyclohexane
Concen: 46.130 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 140957

Ion	Ratio	Lower	Upper
83	100		
55	82.0	66.4	99.6
98	48.3	38.1	57.1

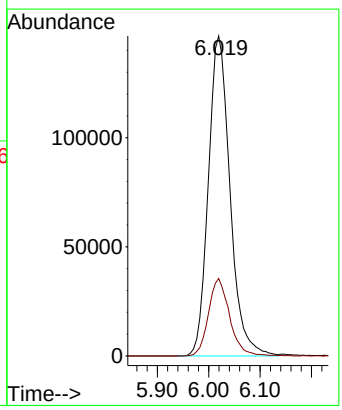


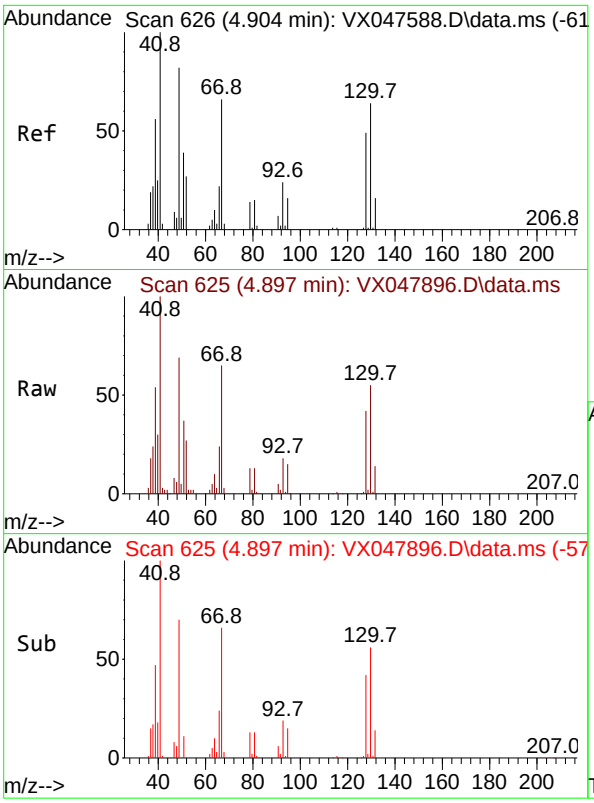


#40
Benzene
Concen: 52.564 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 78 Resp: 429759

Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.8	28.2



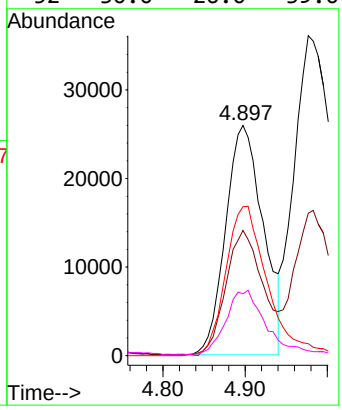


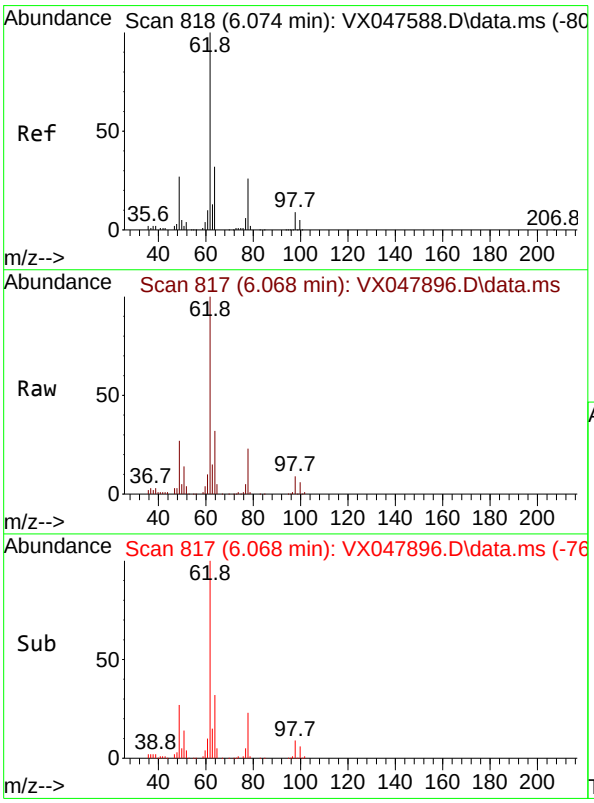
#41
Methacrylonitrile
Concen: 55.402 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 82436

Ion	Ratio	Lower	Upper
41	100		
39	53.6	43.3	64.9
67	72.9	58.6	87.8
52	30.0	26.0	39.0

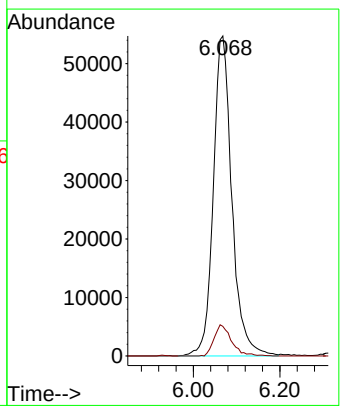


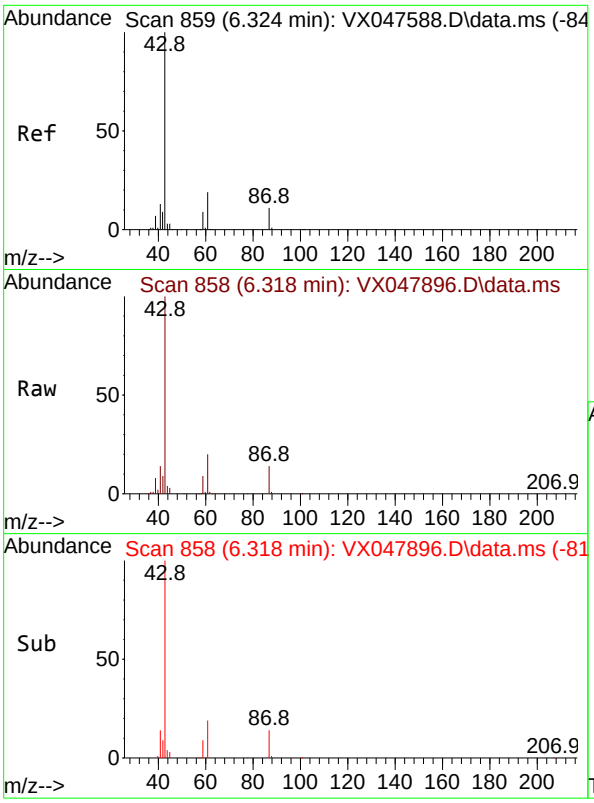


#42
1,2-Dichloroethane
Concen: 52.407 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 62 Resp: 163028

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.0



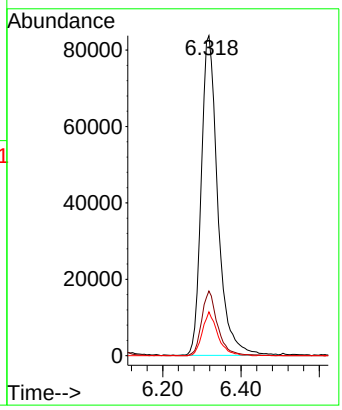


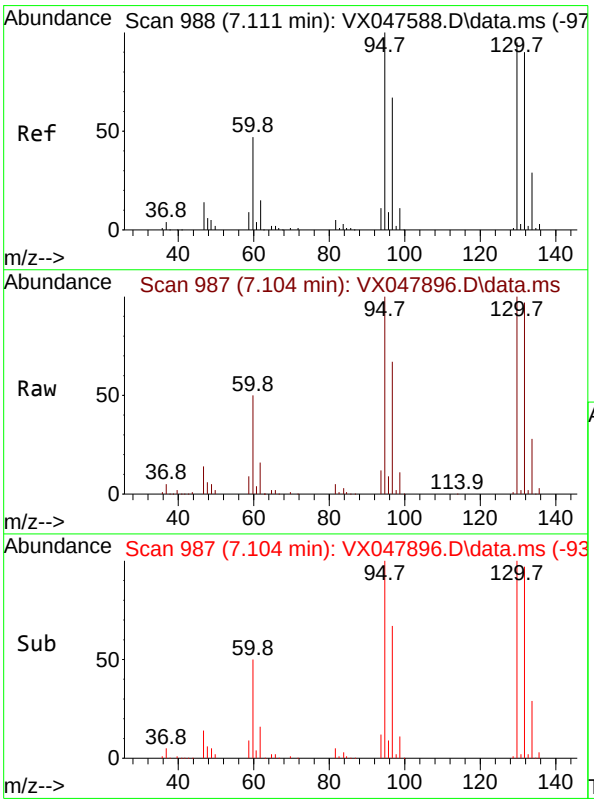
#43
Isopropyl Acetate
Concen: 51.856 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 245123

Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.2	22.8
87	12.8	9.6	14.4

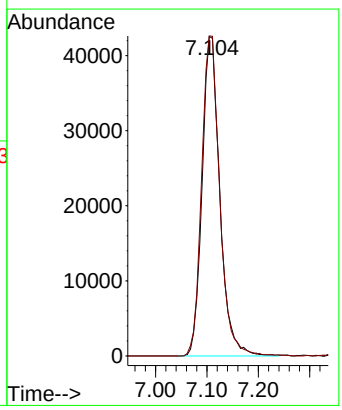


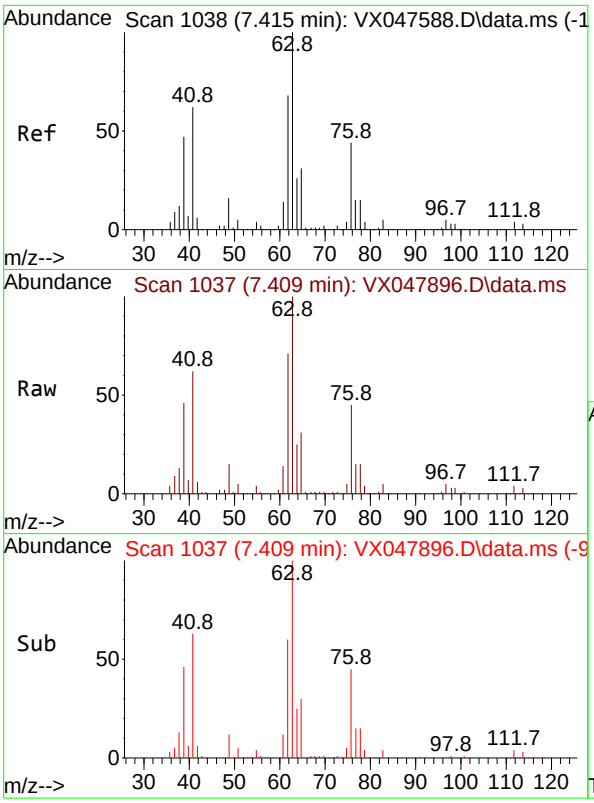


#44
Trichloroethene
Concen: 51.493 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:130 Resp: 101783

Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	210.8



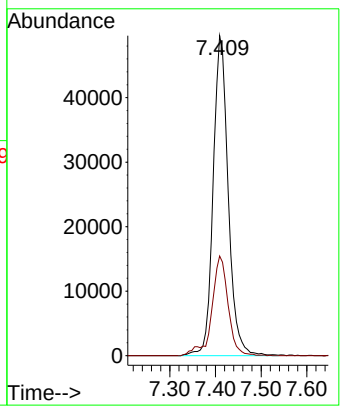


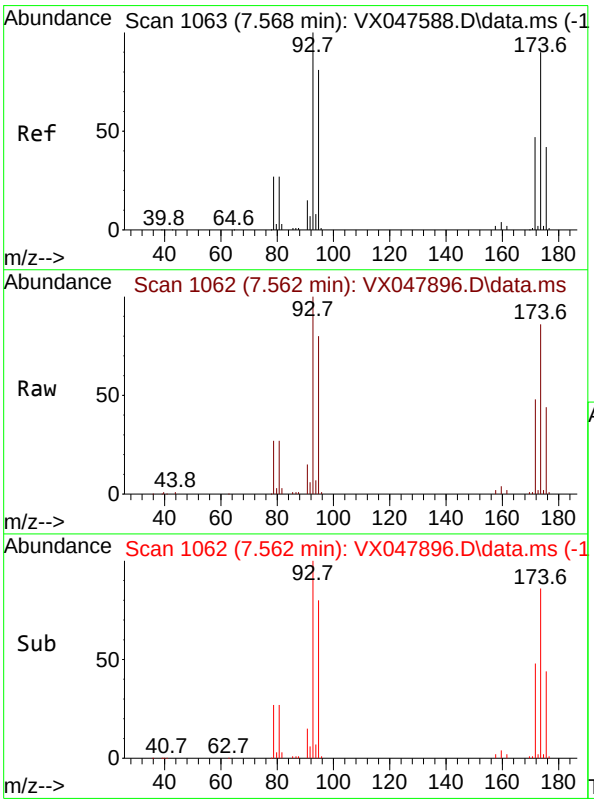
#45
1,2-Dichloropropane
Concen: 54.152 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 113369

Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.7	37.1

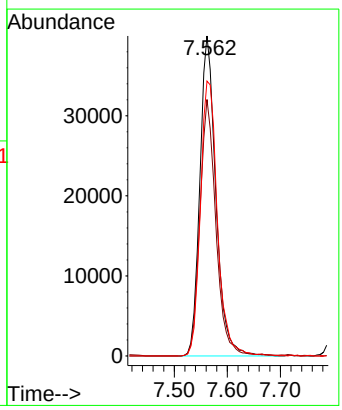


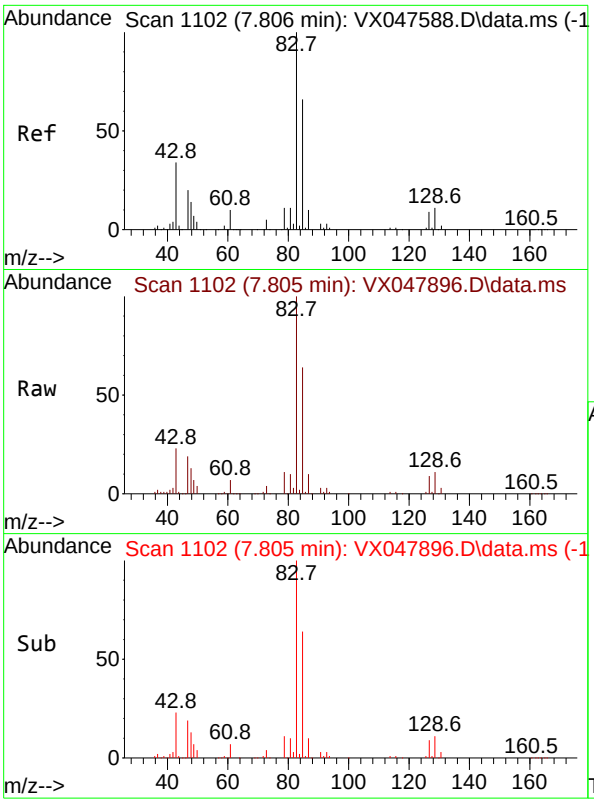


#46
Dibromomethane
Concen: 55.050 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 93 Resp: 83867

Ion	Ratio	Lower	Upper
93	100		
95	80.1	65.0	97.6
174	91.2	71.6	107.4



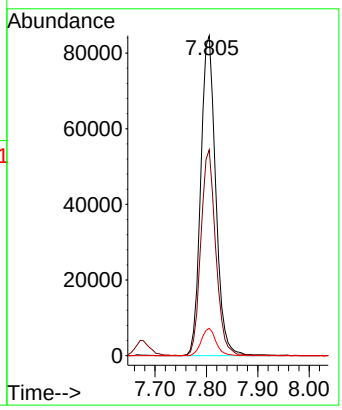


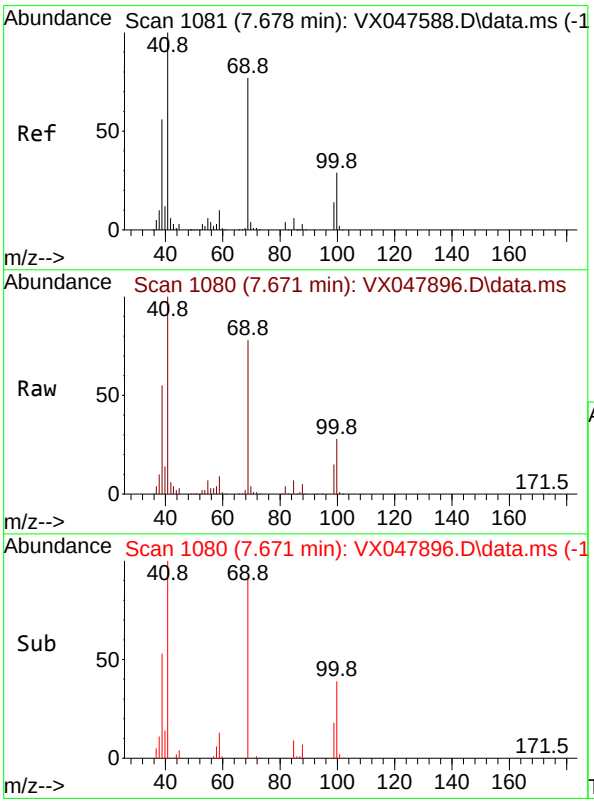
#47
Bromodichloromethane
Concen: 54.329 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 170796

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.5	78.7
127	8.5	6.9	10.3

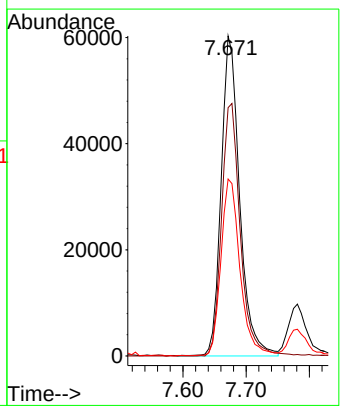


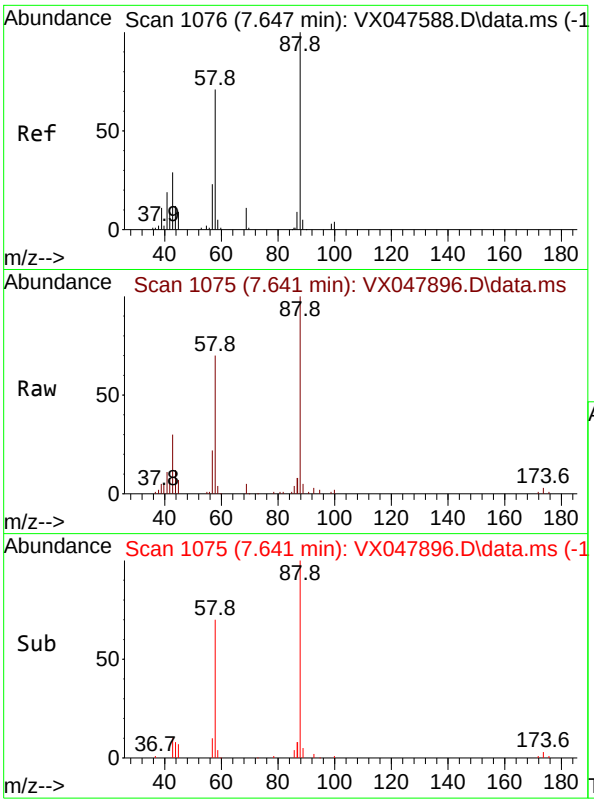


#48
Methyl methacrylate
Concen: 51.936 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 41 Resp: 122288

Ion	Ratio	Lower	Upper
41	100		
69	80.0	61.4	92.2
39	56.8	45.8	68.6



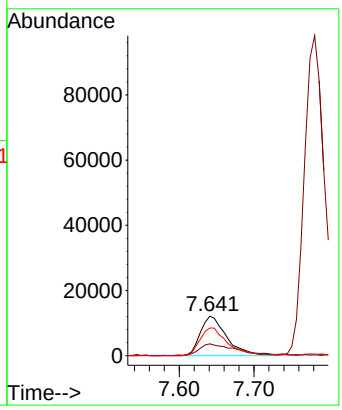


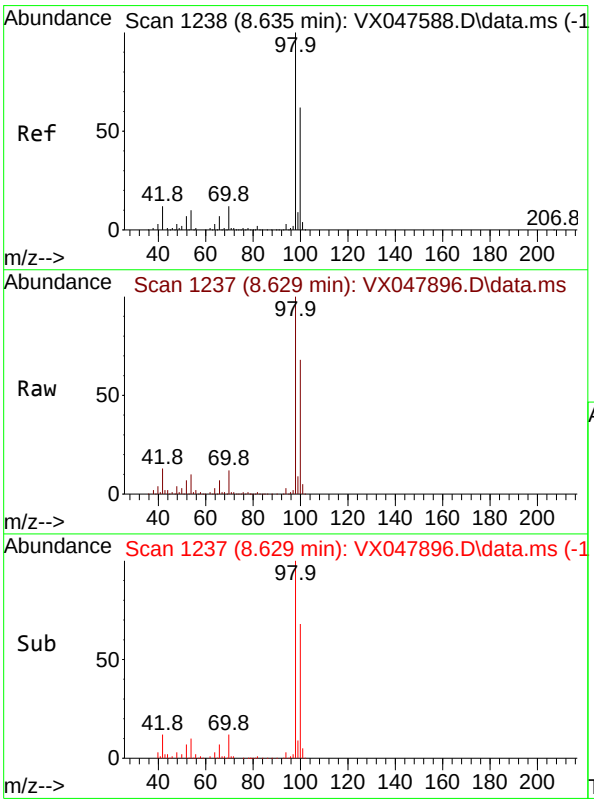
#49
1,4-Dioxane
Concen: 1262.927 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 30052

Ion	Ratio	Lower	Upper
88	100		
43	40.3	30.2	45.2
58	74.5	59.5	89.3

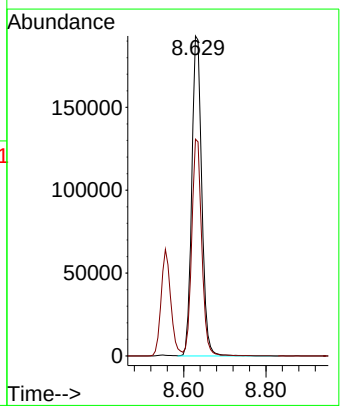


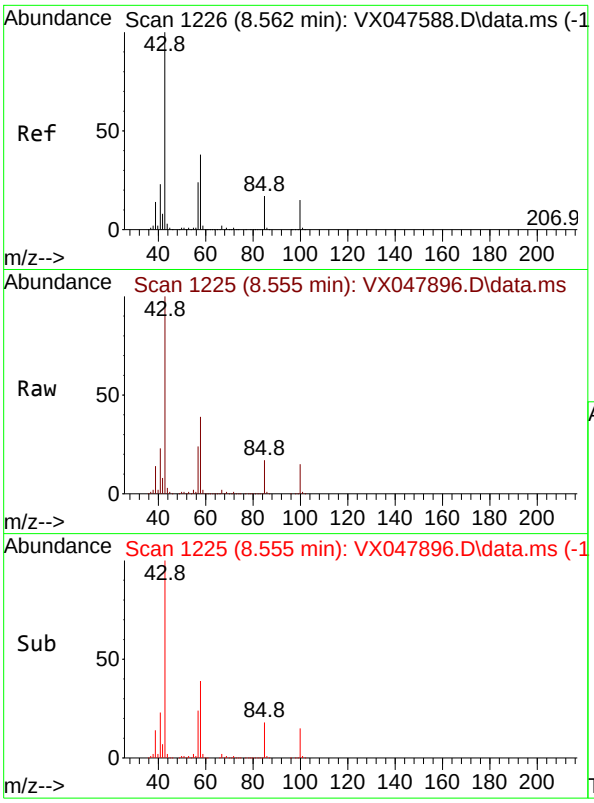


#50
Toluene-d8
Concen: 51.009 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 98 Resp: 325148

Ion	Ratio	Lower	Upper
98	100		
100	67.4	53.0	79.4



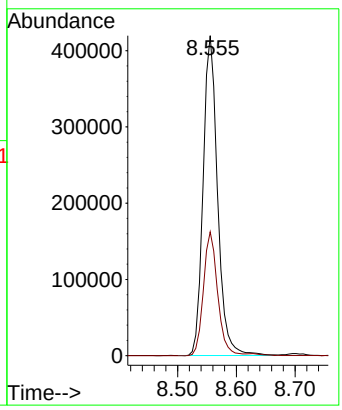


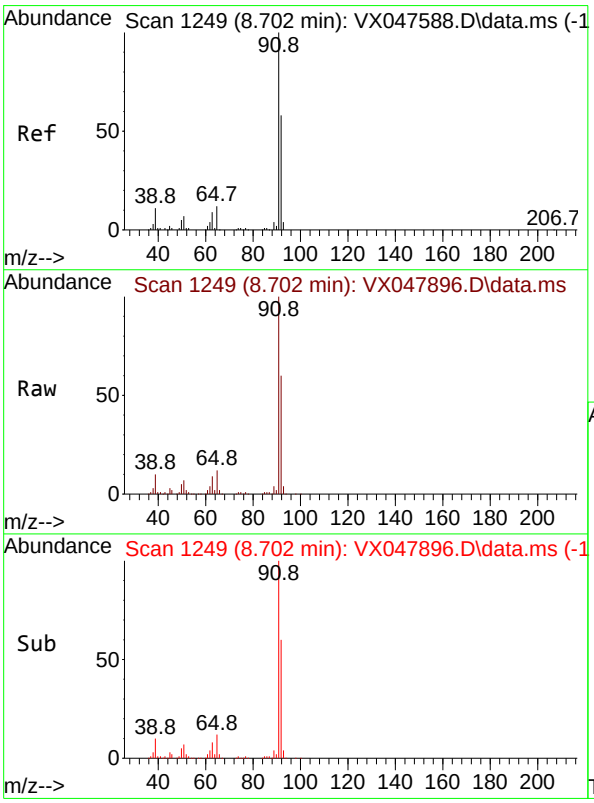
#51
4-Methyl-2-Pentanone
Concen: 274.485 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 719388

Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.3	45.5

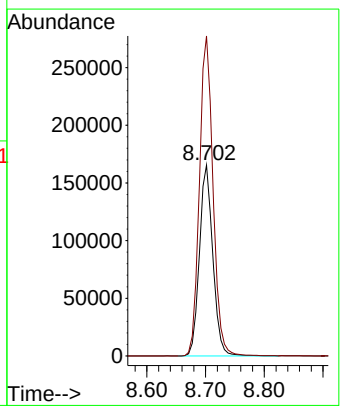


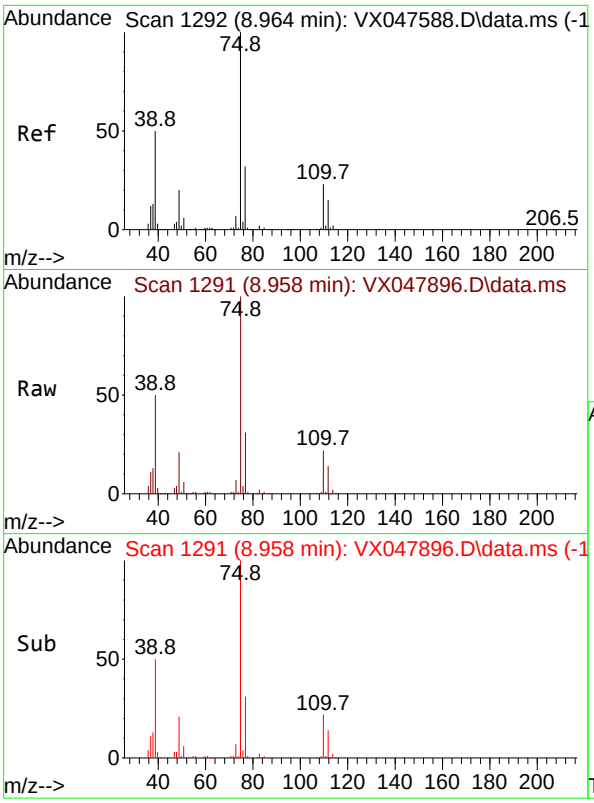


#52
Toluene
Concen: 52.039 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 92 Resp: 262130

Ion	Ratio	Lower	Upper
92	100		
91	170.6	137.1	205.7



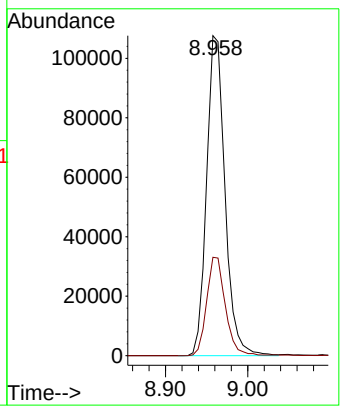


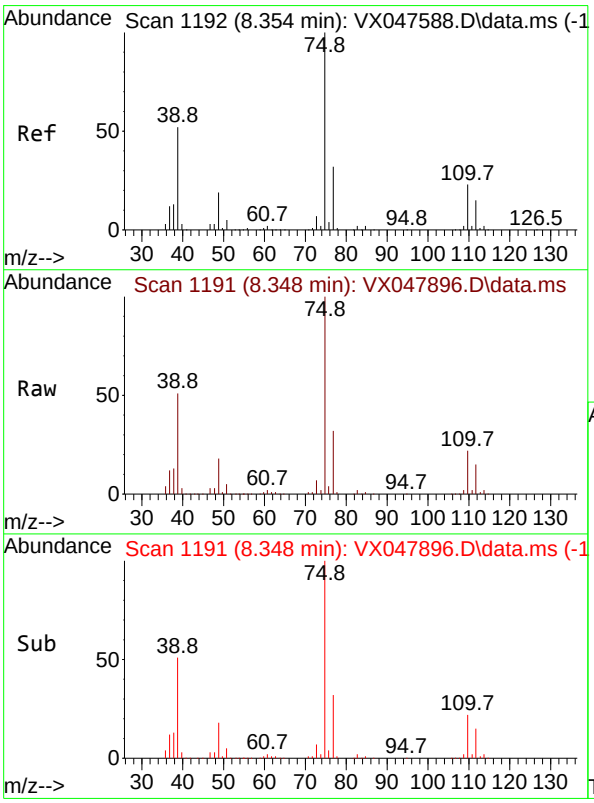
#53
t-1,3-Dichloropropene
Concen: 52.199 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 167386

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.4	38.2

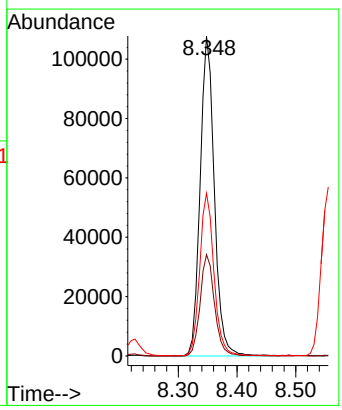


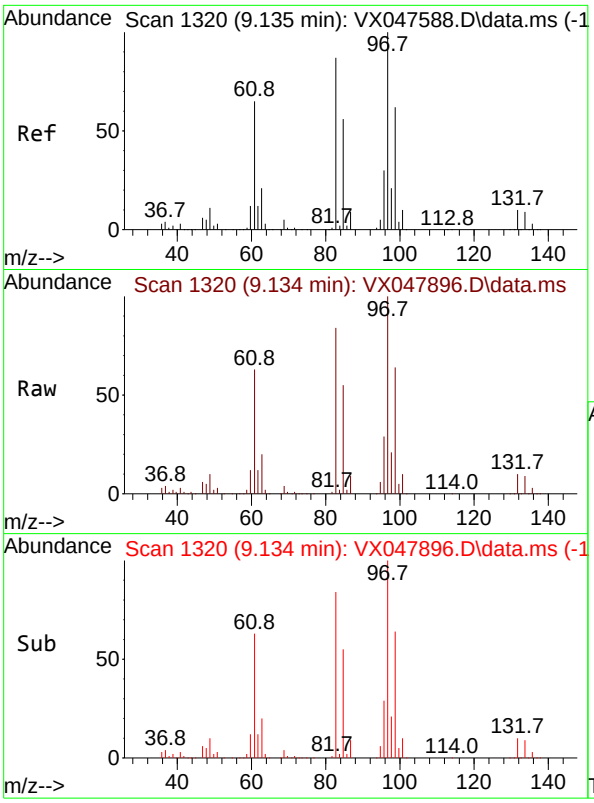


#54
cis-1,3-Dichloropropene
Concen: 52.821 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 75 Resp: 181042

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.8	38.6
39	50.8	41.4	62.2



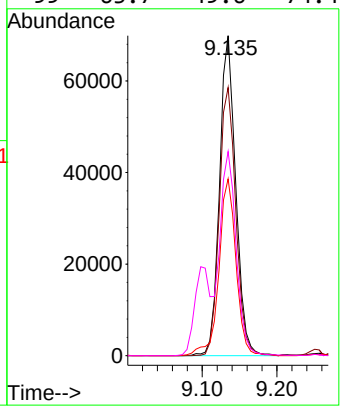


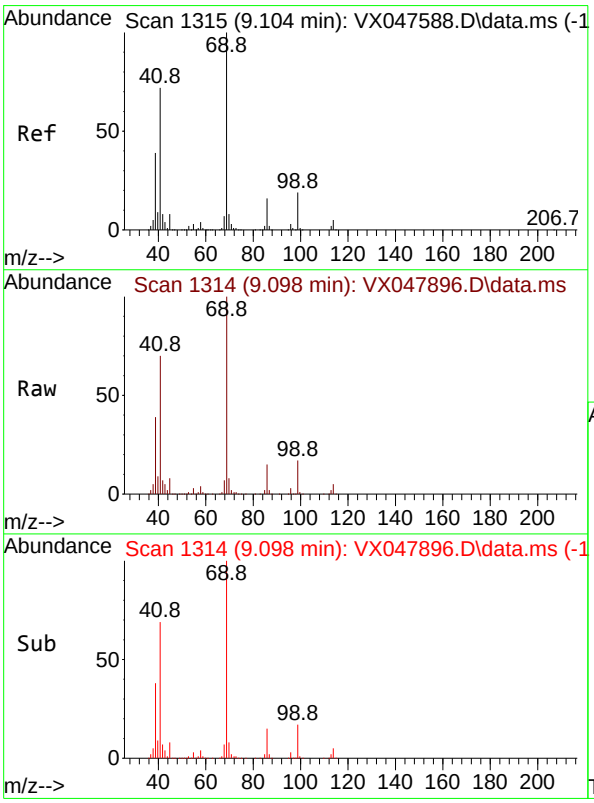
#55
1,1,2-Trichloroethane
Concen: 54.267 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 105403

Ion	Ratio	Lower	Upper
97	100		
83	83.8	69.6	104.4
85	55.3	45.0	67.6
99	63.7	49.6	74.4

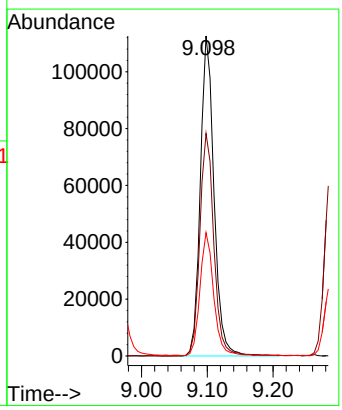


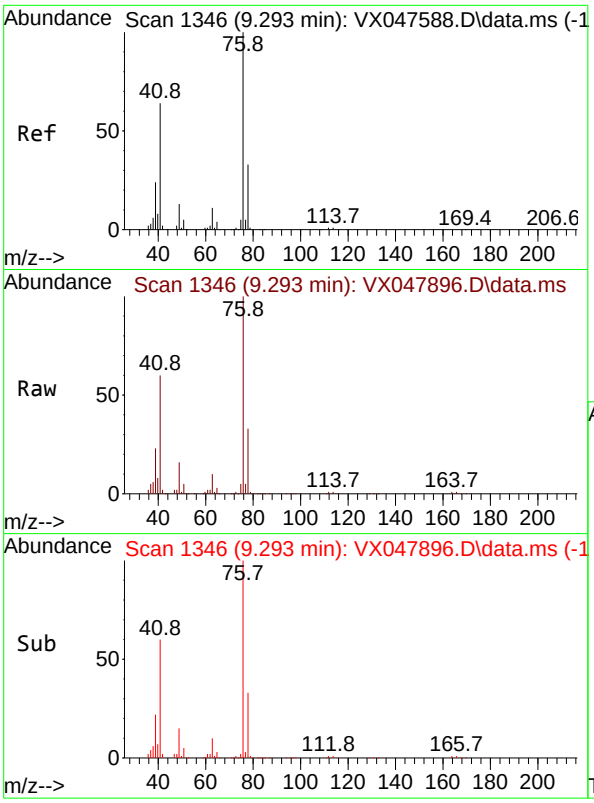


#56
Ethyl methacrylate
Concen: 53.463 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 69 Resp: 163078

Ion	Ratio	Lower	Upper
69	100		
41	71.4	58.6	87.8
39	38.9	31.5	47.3



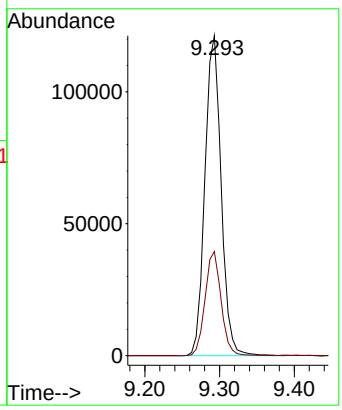


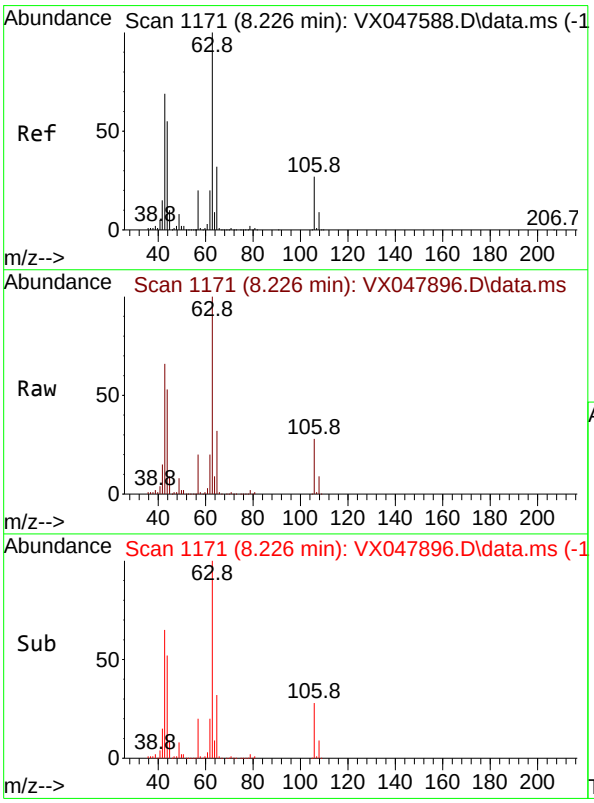
#57
1,3-Dichloropropane
Concen: 54.741 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 182646

Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.2	39.4

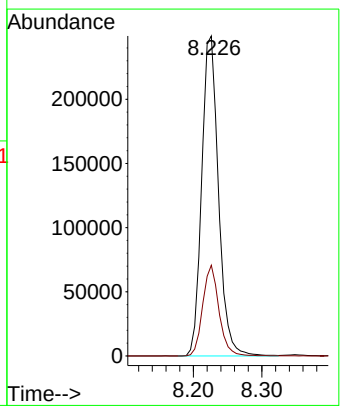


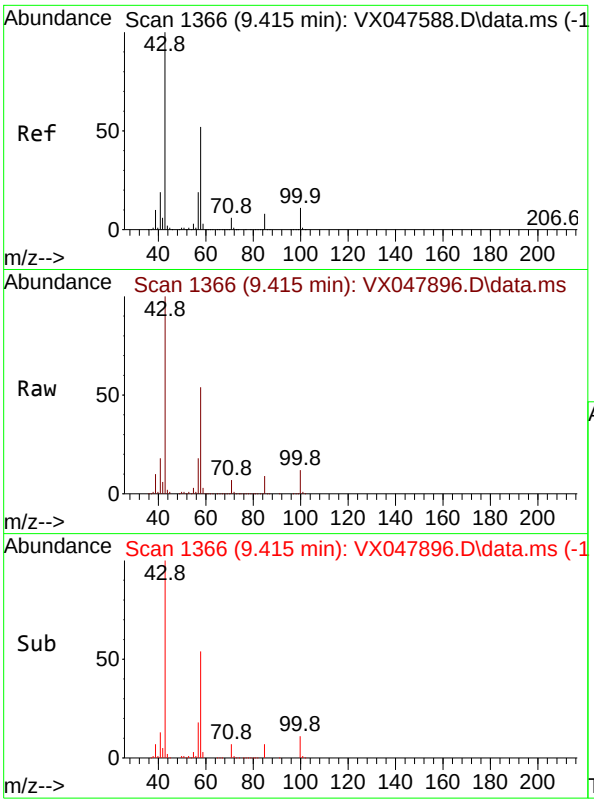


#58
2-Chloroethyl Vinyl ether
Concen: 288.987 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 63 Resp: 425504

Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.9	32.9



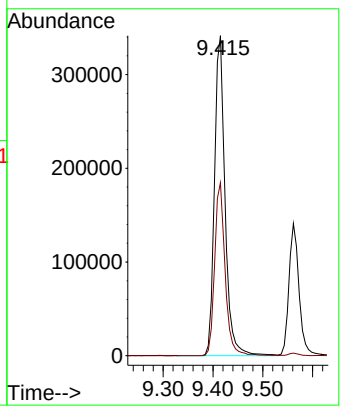


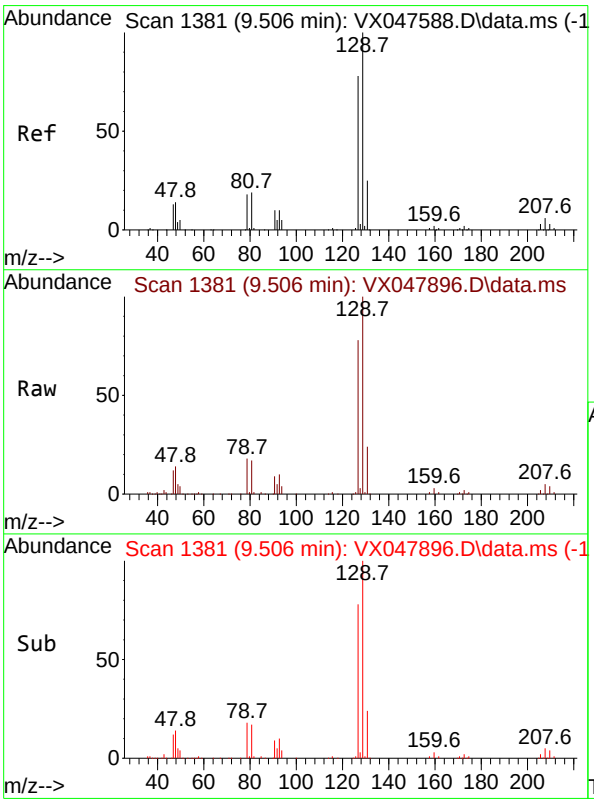
#59
2-Hexanone
Concen: 267.273 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 503092

Ion	Ratio	Lower	Upper
43	100		
58	53.5	26.1	78.2

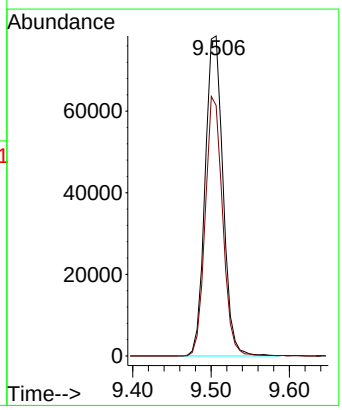


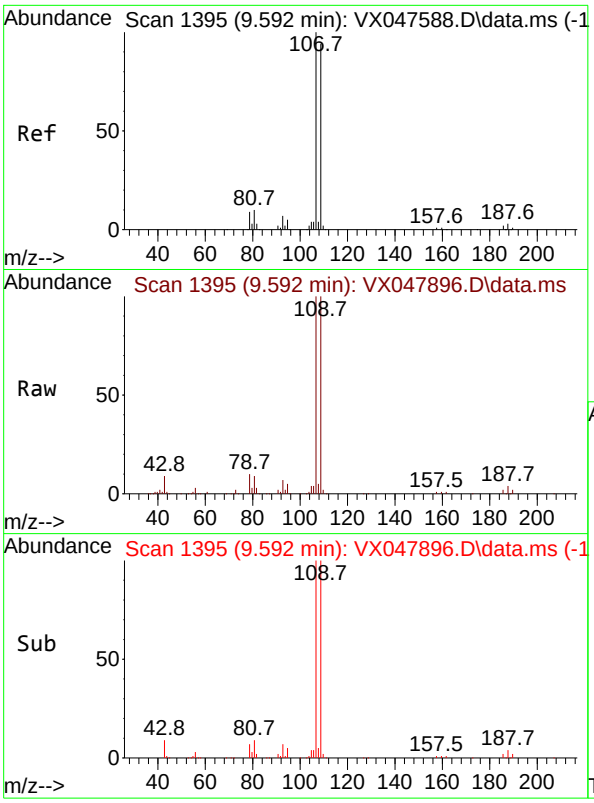


#60
Dibromochloromethane
Concen: 55.448 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:129 Resp: 124090

Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.4	115.2



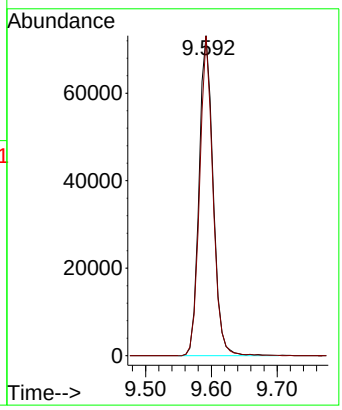


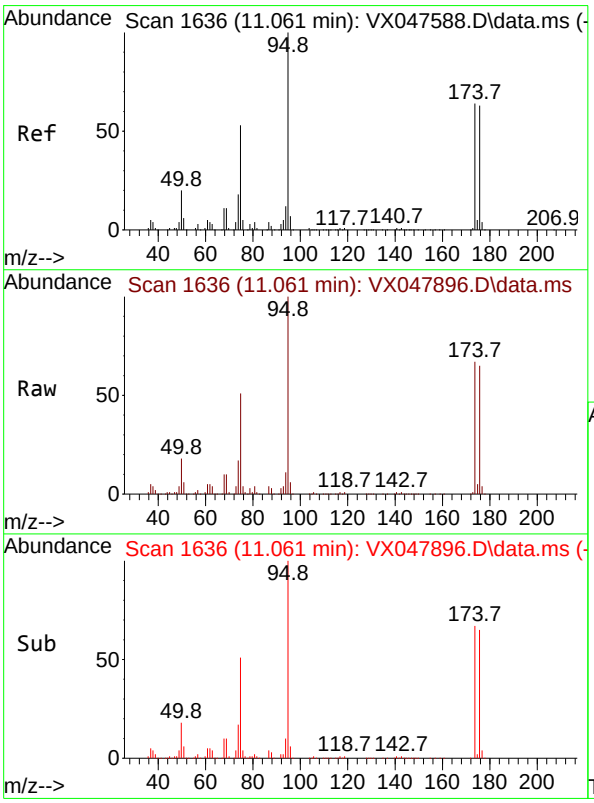
#61
1,2-Dibromoethane
Concen: 54.903 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 108616

Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.3	112.9

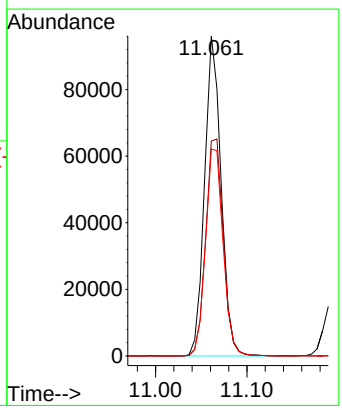


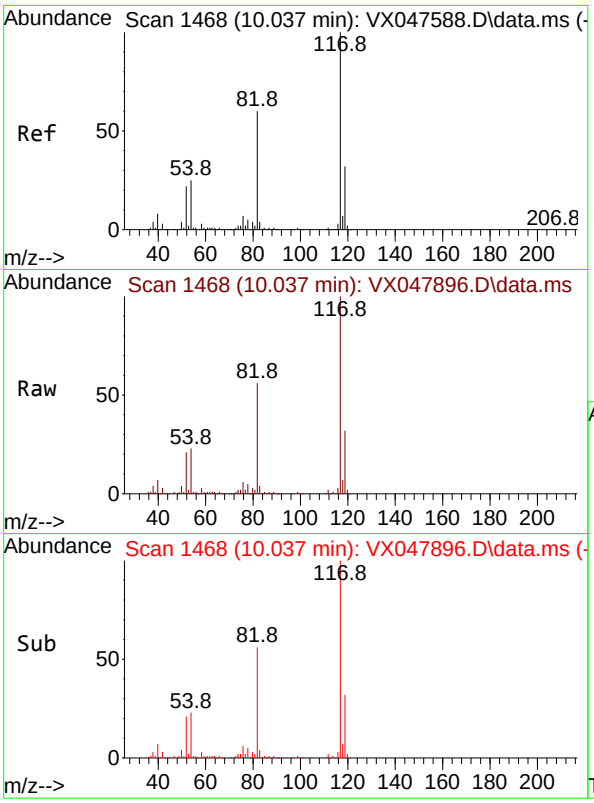


#62
4-Bromofluorobenzene
Concen: 49.687 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 95 Resp: 120201

Ion	Ratio	Lower	Upper
95	100		
174	72.7	0.0	141.6
176	69.3	0.0	138.4



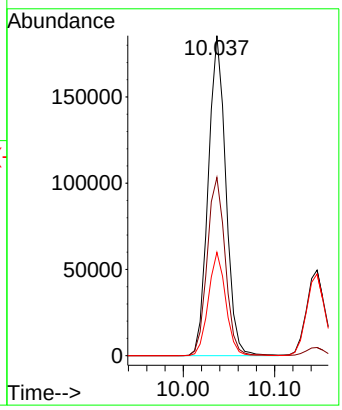


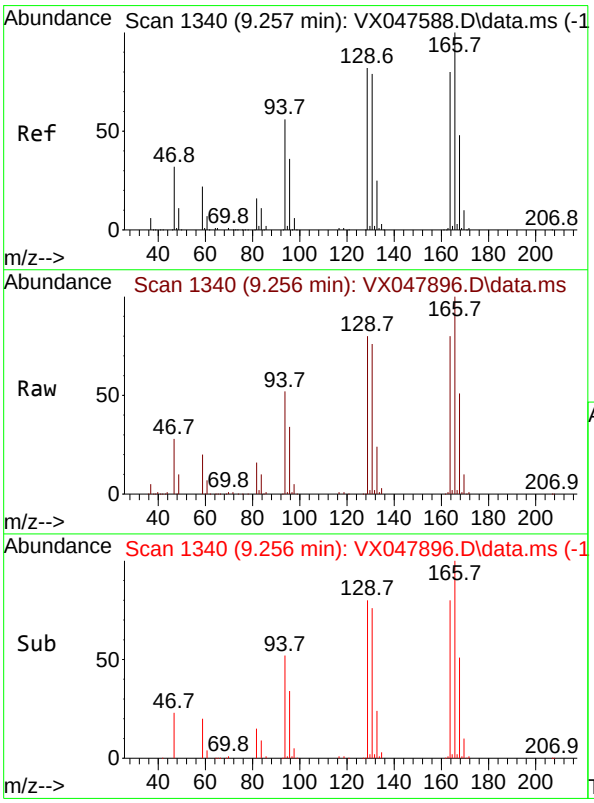
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 247069

Ion	Ratio	Lower	Upper
117	100		
82	55.7	47.8	71.6
119	32.3	25.2	37.8

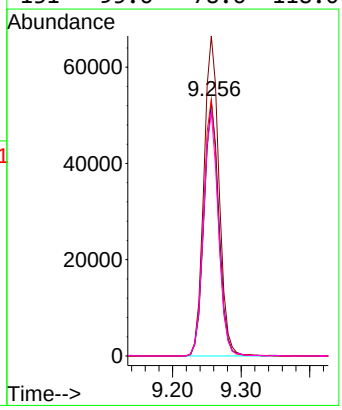


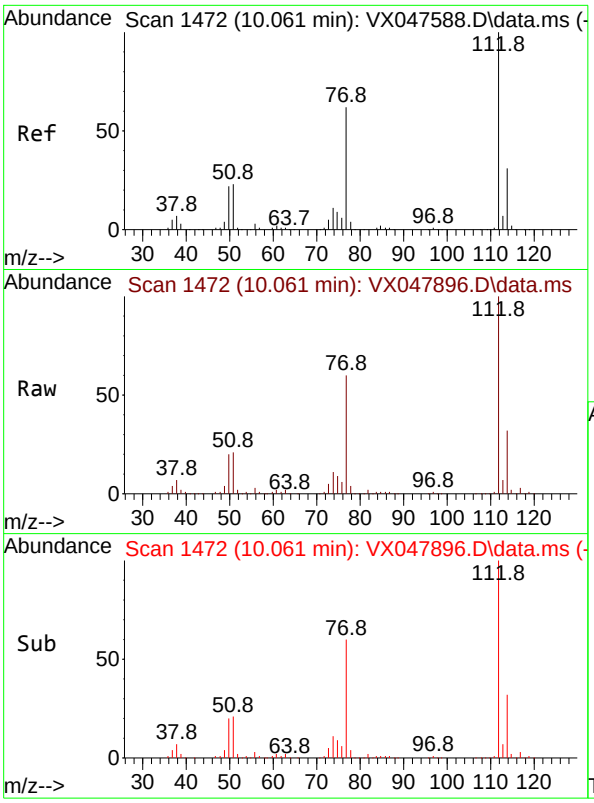


#64
Tetrachloroethene
Concen: 49.476 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:164 Resp: 79687

Ion	Ratio	Lower	Upper
164	100		
166	125.7	100.2	150.2
129	100.8	81.8	122.6
131	95.6	78.6	118.0



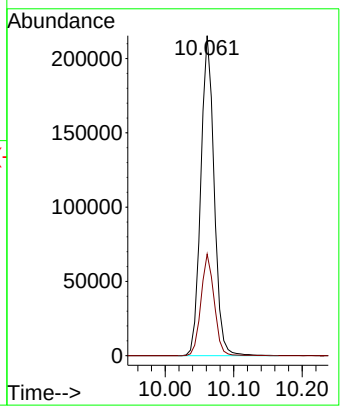


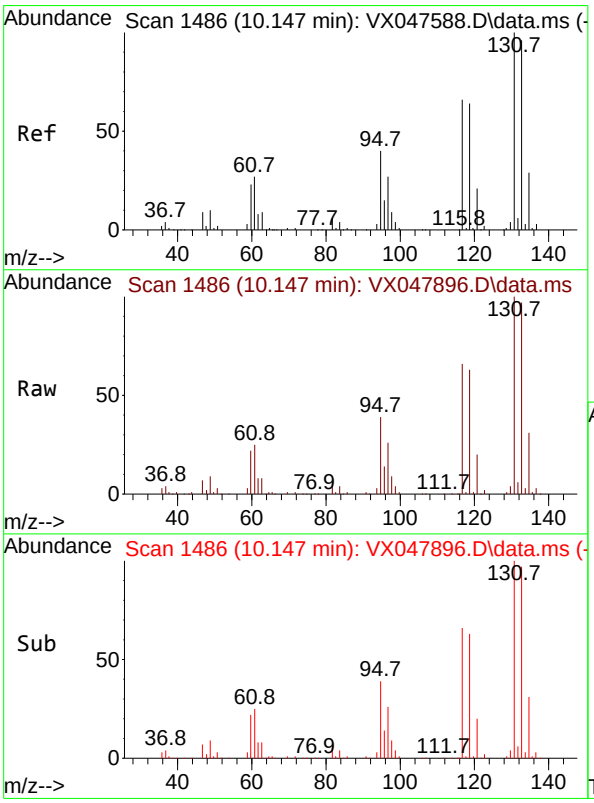
#65
Chlorobenzene
Concen: 52.058 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 292200

Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.1	37.7

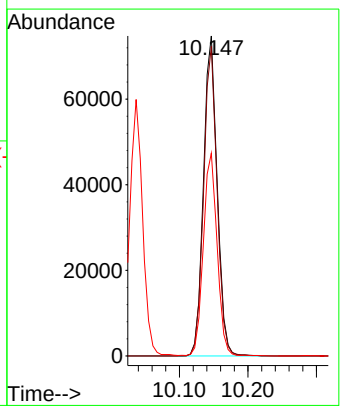


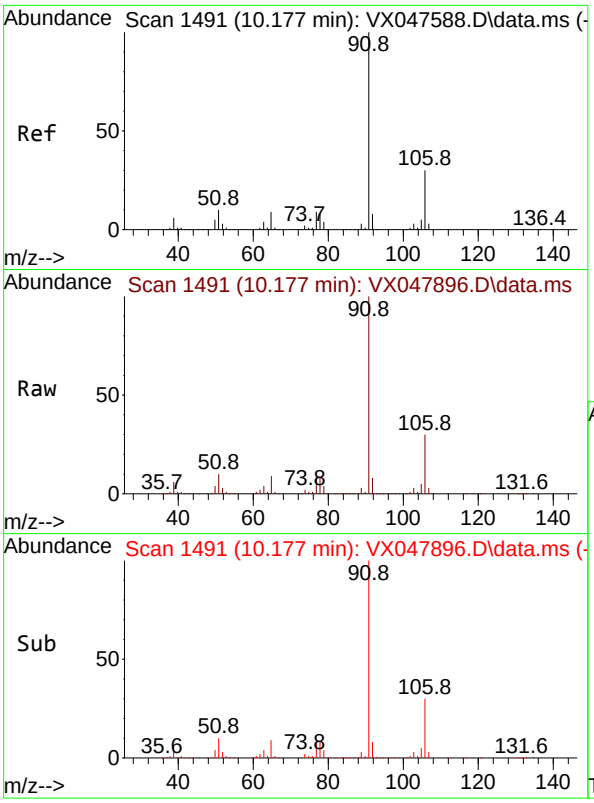


#66
1,1,1,2-Tetrachloroethane
Concen: 53.724 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:131 Resp: 104056

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.3	142.0
119	64.1	32.0	96.0



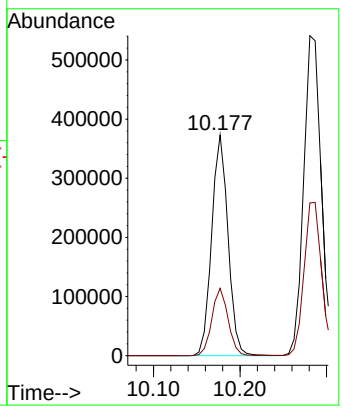


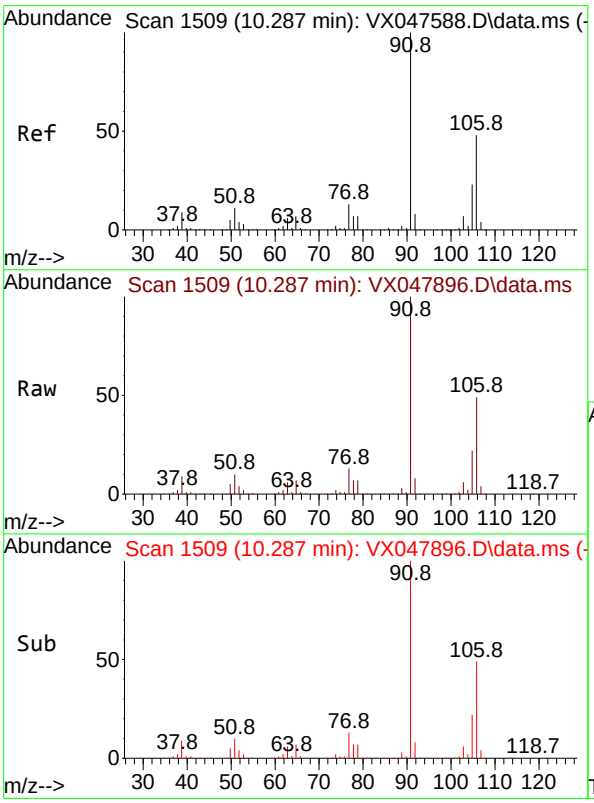
#67
Ethyl Benzene
Concen: 50.546 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 489523

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.3	36.5

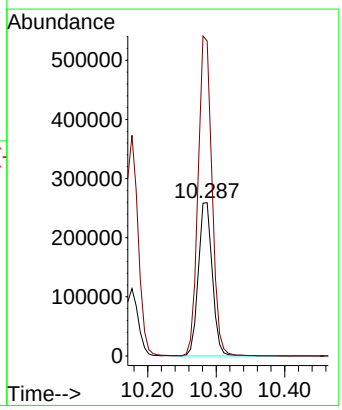


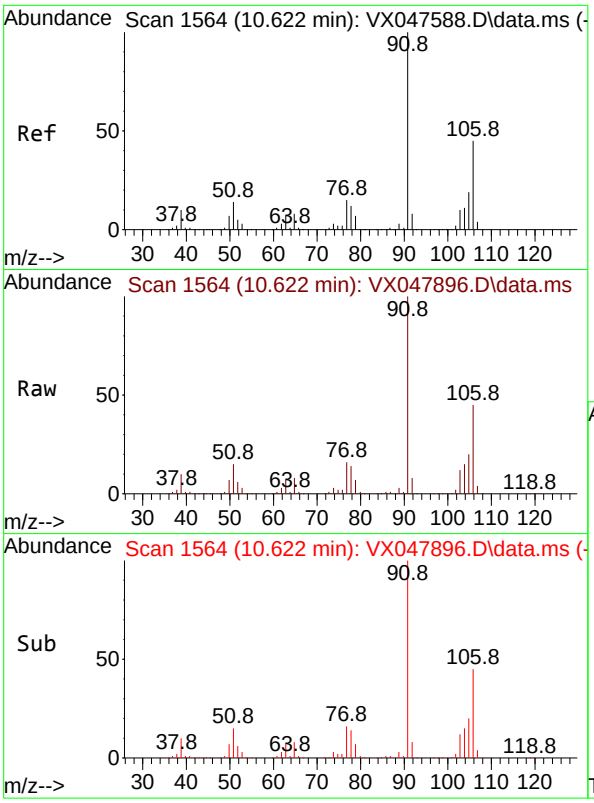


#68
m/p-Xylenes
Concen: 102.001 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:106 Resp: 367685

Ion	Ratio	Lower	Upper
106	100		
91	207.7	167.8	251.8



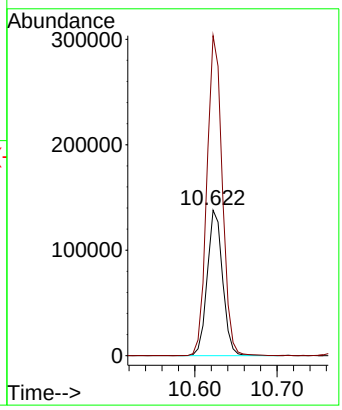


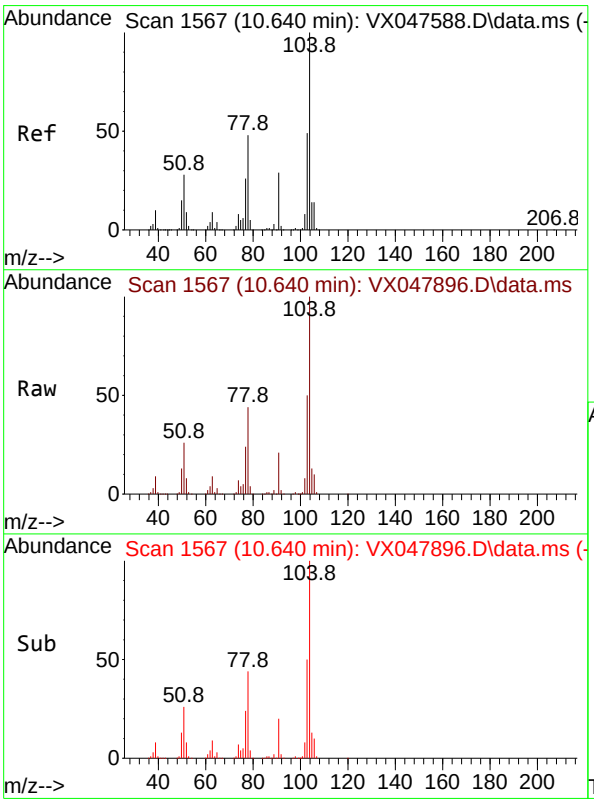
#69
o-Xylene
Concen: 51.259 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 178721

Ion	Ratio	Lower	Upper
106	100		
91	220.3	111.1	333.4

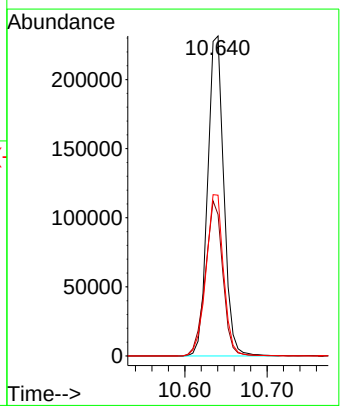


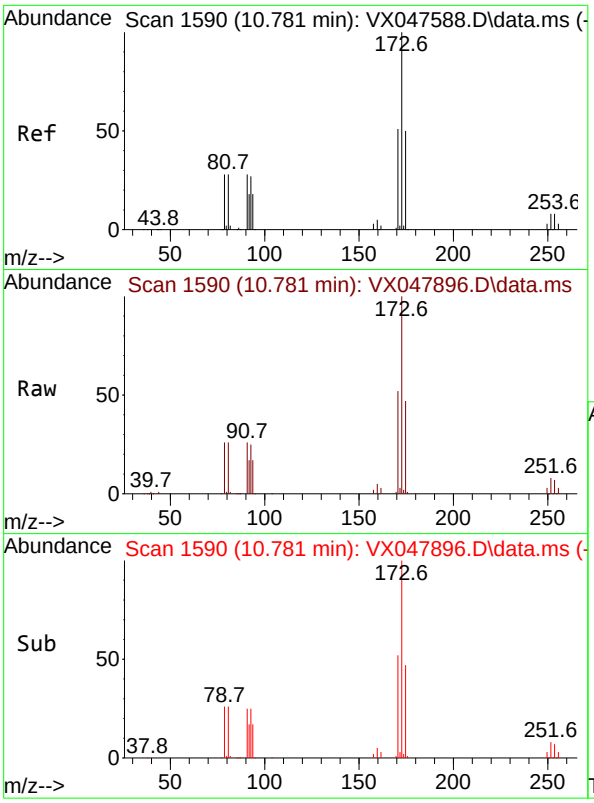


#70
Styrene
Concen: 51.876 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:104 Resp: 316919

Ion	Ratio	Lower	Upper
104	100		
78	52.1	43.1	64.7
103	54.8	43.1	64.7



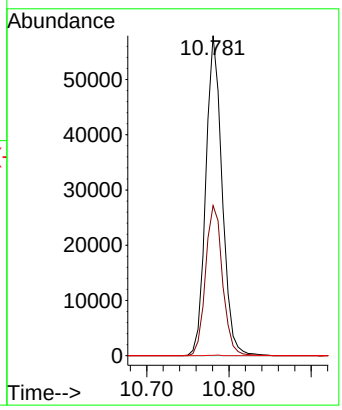


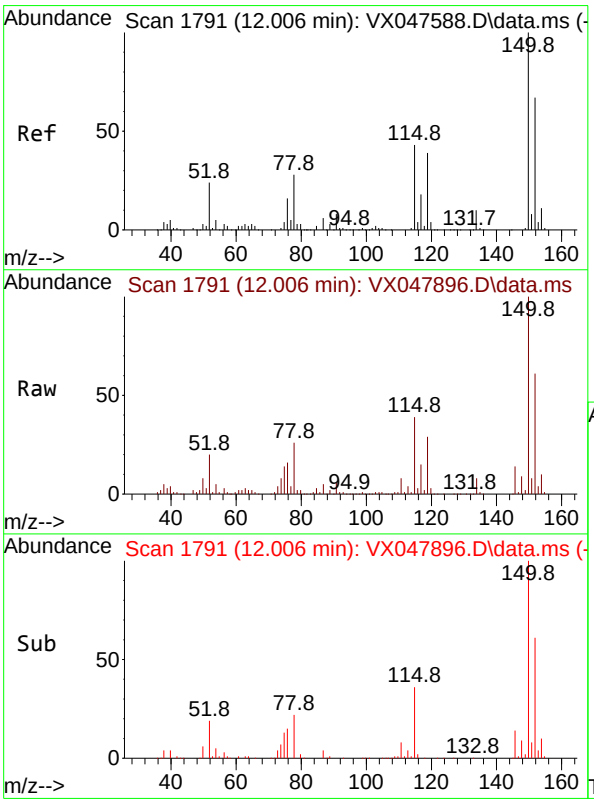
#71
Bromoform
Concen: 55.113 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 79707

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.9	74.6
254	0.1	0.1	0.1

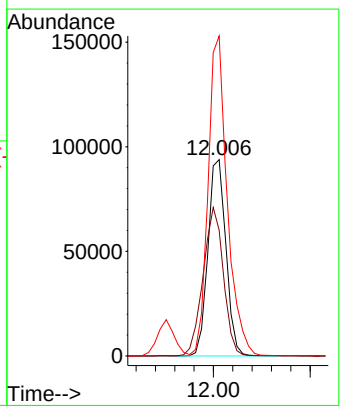


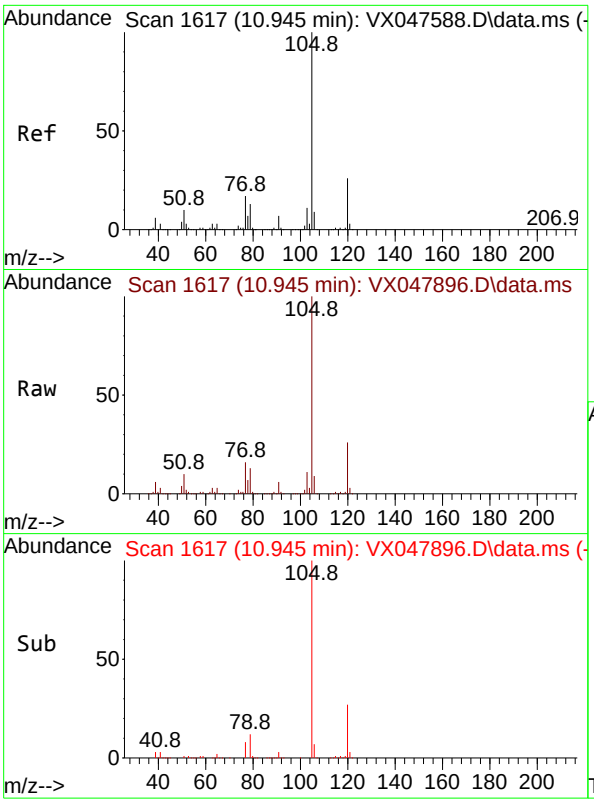


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:152 Resp: 121307

Ion	Ratio	Lower	Upper
152	100		
115	85.8	44.9	134.5
150	173.1	0.0	352.0



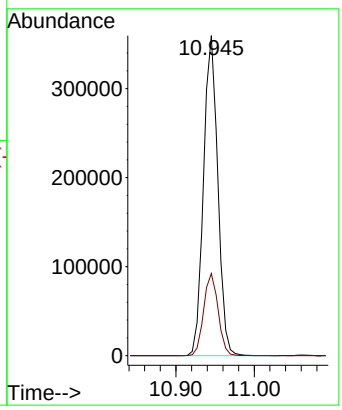


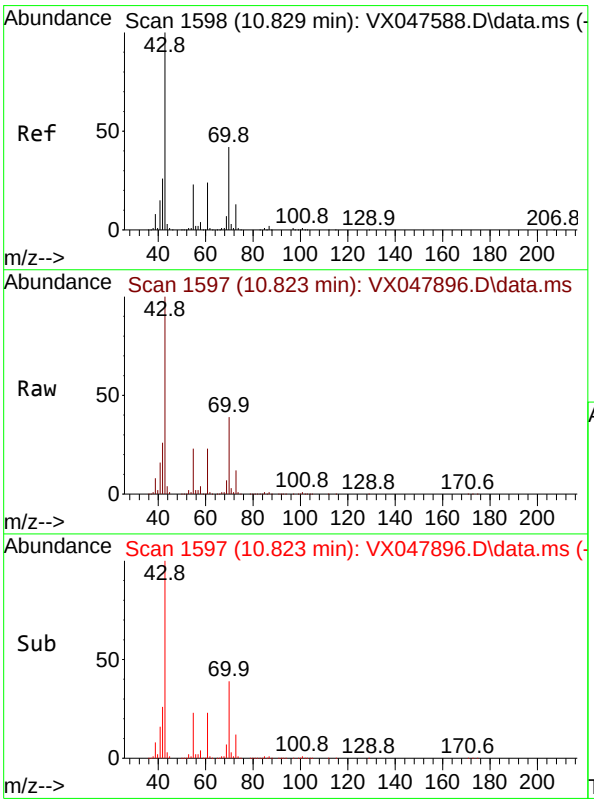
#73
Isopropylbenzene
Concen: 49.226 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 453987

Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.8	38.4

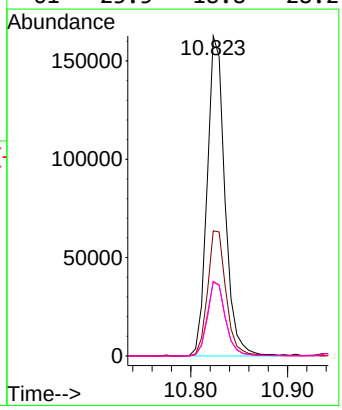


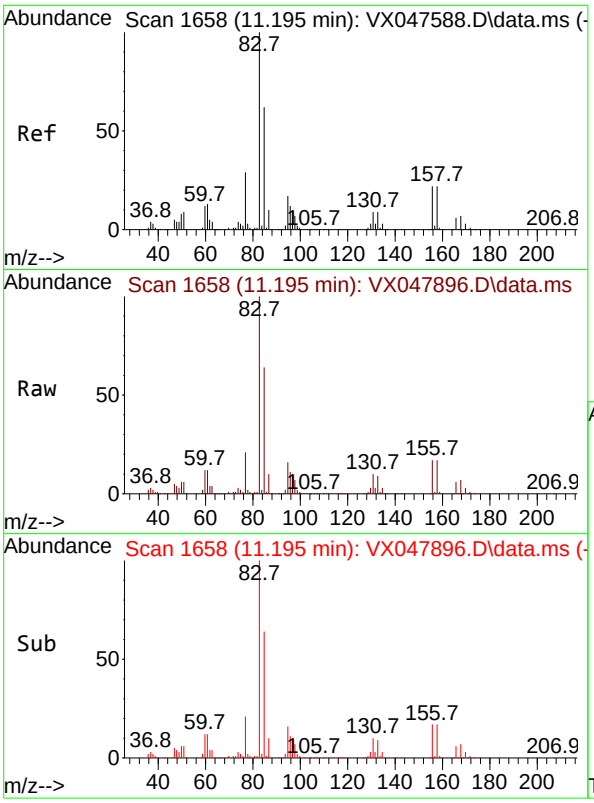


#74
N-amyl acetate
Concen: 49.310 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 43 Resp: 207377

Ion	Ratio	Lower	Upper
43	100		
70	40.7	32.0	48.0
55	24.1	18.9	28.3
61	23.5	18.8	28.2



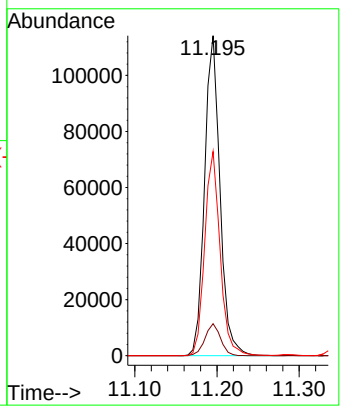


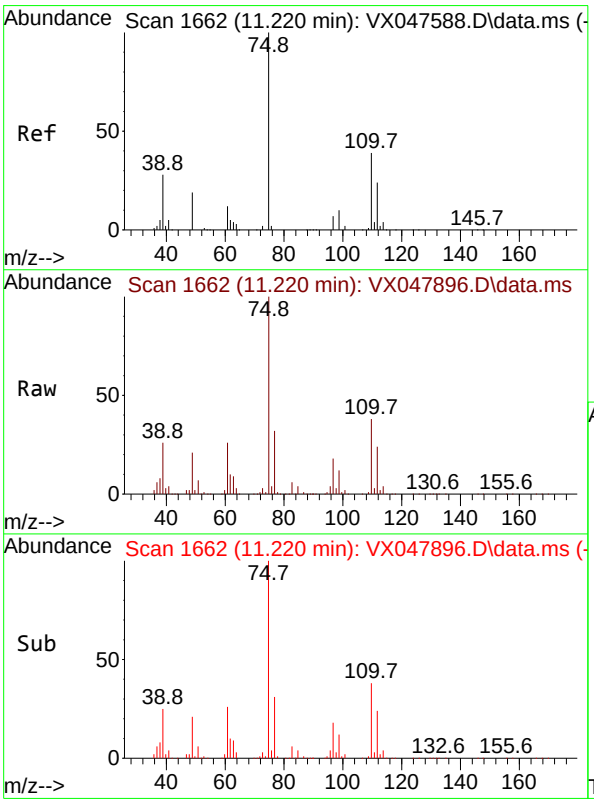
#75
1,1,2,2-Tetrachloroethane
Concen: 53.301 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 148724

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	63.8	31.6	95.0

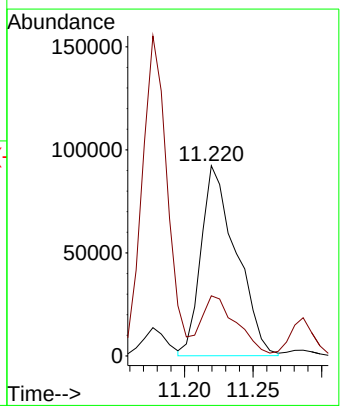


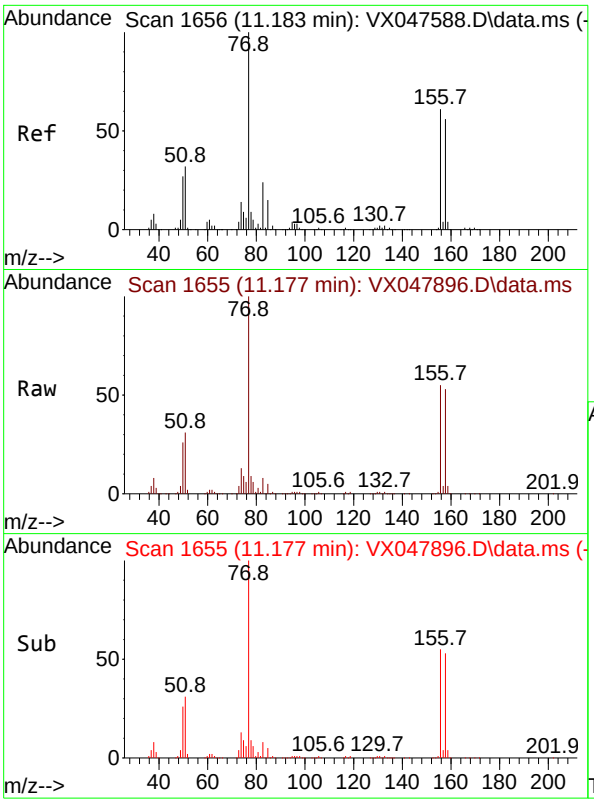


#76
1,2,3-Trichloropropane
Concen: 67.108 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 75 Resp: 164823

Ion	Ratio	Lower	Upper
75	100		
77	32.2	18.8	56.4



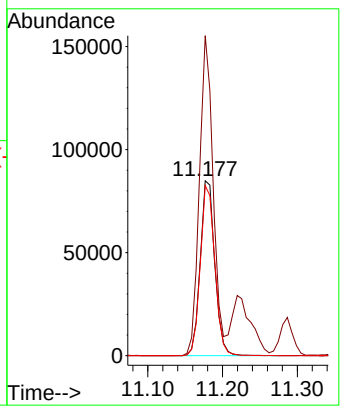


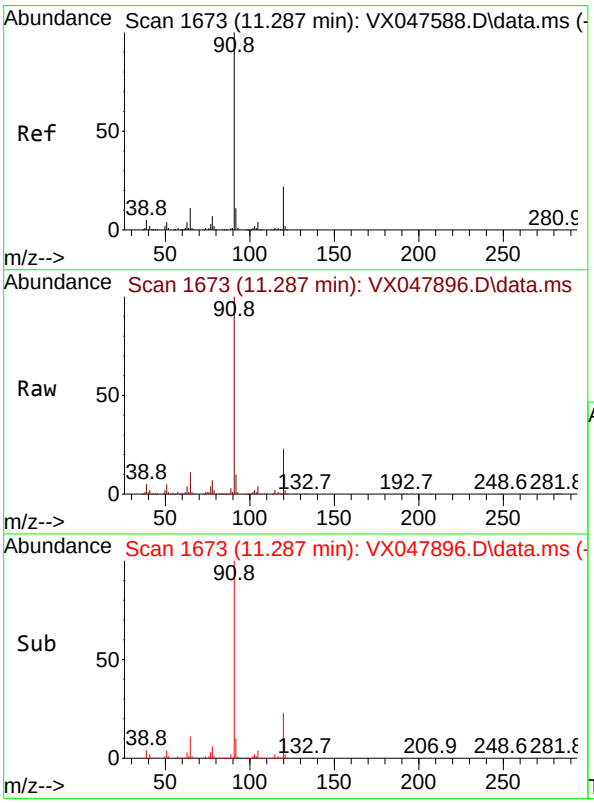
#77
Bromobenzene
Concen: 50.531 ug/l
RT: 11.177 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 114778

Ion	Ratio	Lower	Upper
156	100		
77	171.9	89.7	269.1
158	96.9	47.9	143.6

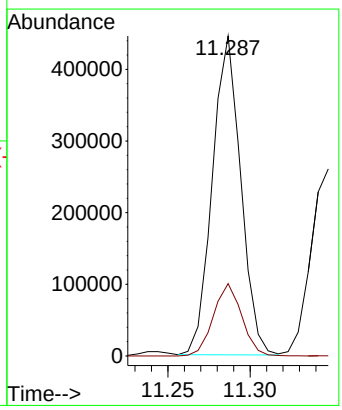


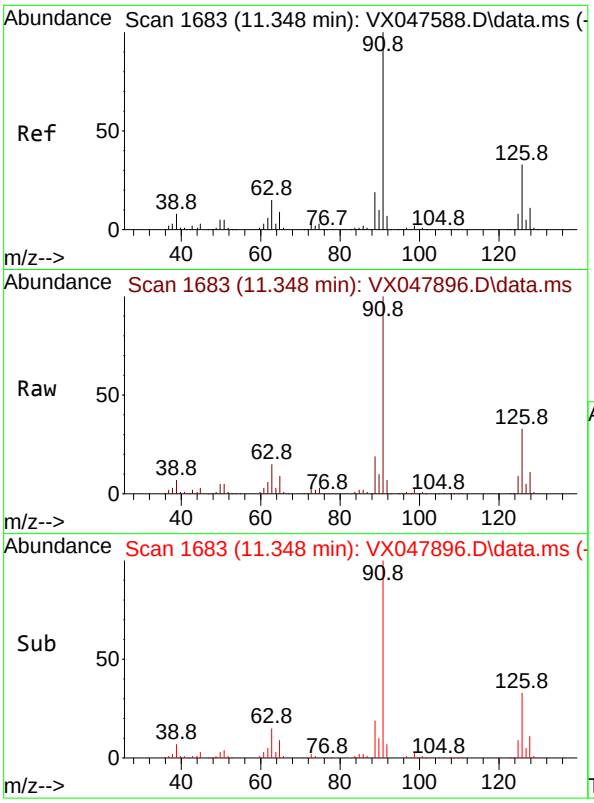


#78
n-propylbenzene
Concen: 49.018 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 91 Resp: 534401

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.1	33.1



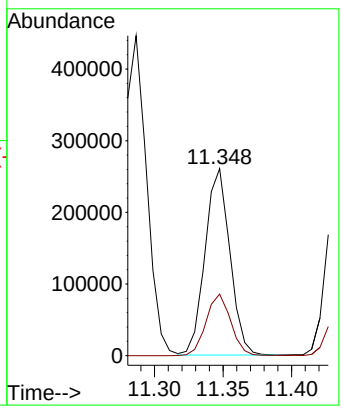


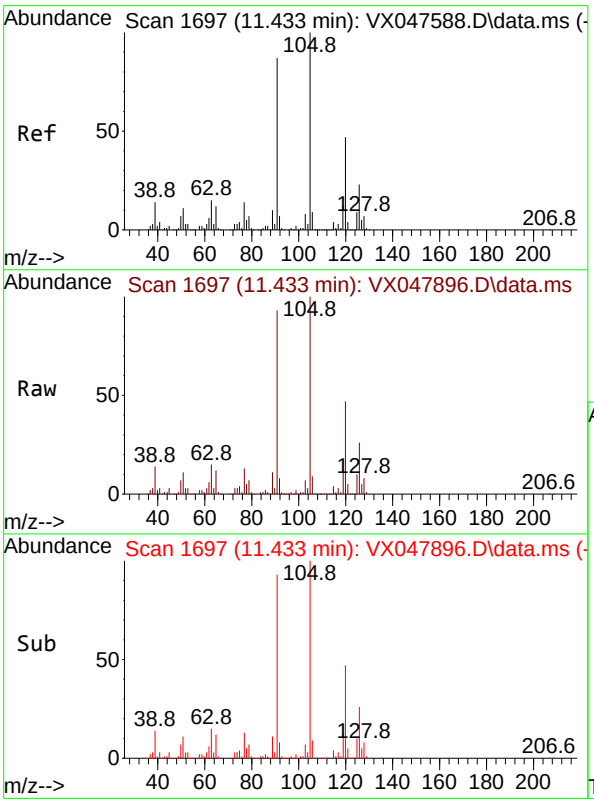
#79
2-Chlorotoluene
Concen: 49.125 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 328025

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.1	48.3

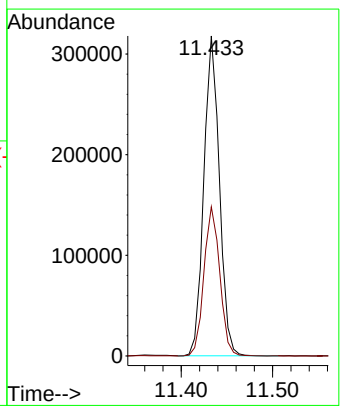


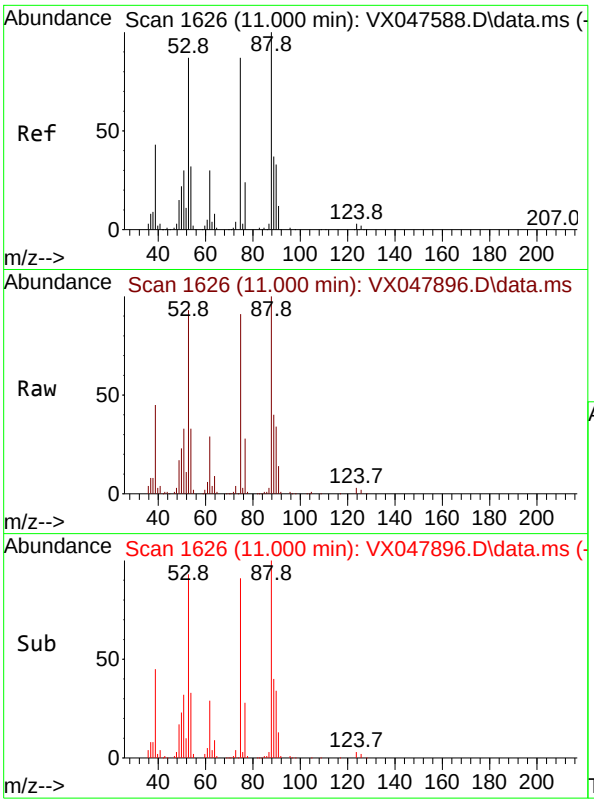


#80
1,3,5-Trimethylbenzene
Concen: 49.564 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:105 Resp: 375552

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.6	70.8



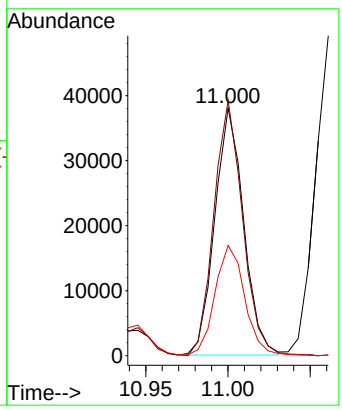


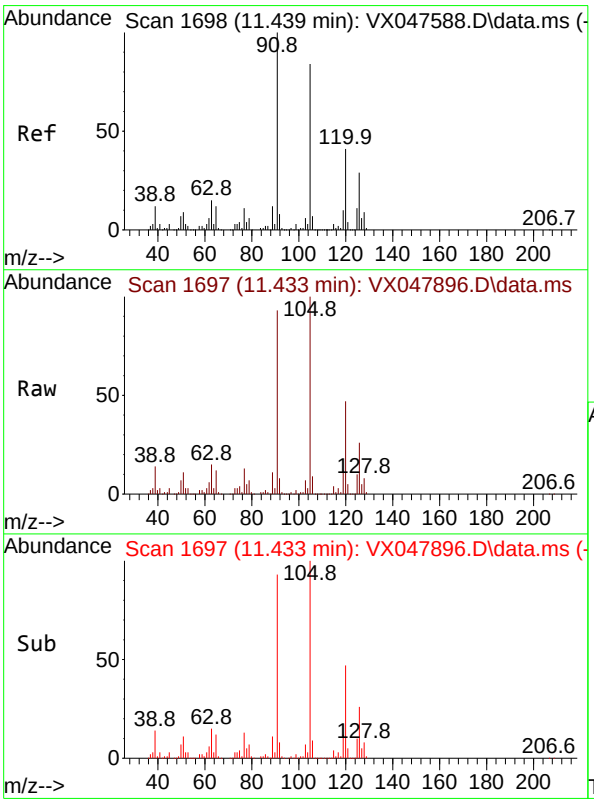
#81
trans-1,4-Dichloro-2-butene
Concen: 48.183 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 46406

Ion	Ratio	Lower	Upper
75	100		
53	102.9	83.4	125.2
89	46.1	36.3	54.5

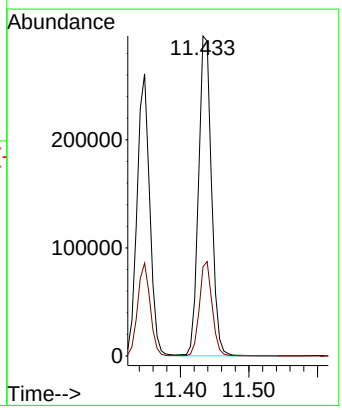


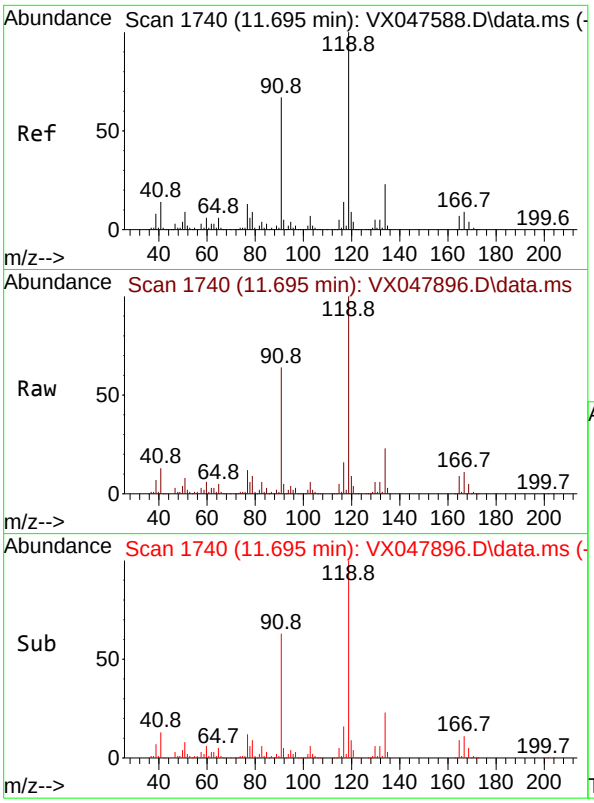


#82
4-Chlorotoluene
Concen: 49.396 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 91 Resp: 389550

Ion	Ratio	Lower	Upper
91	100		
126	28.8	14.2	42.6



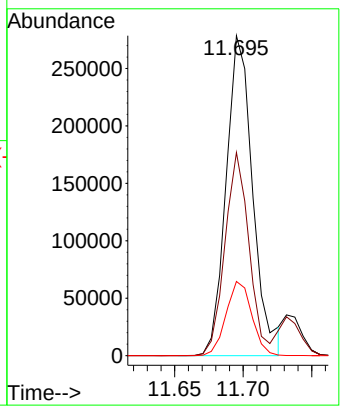


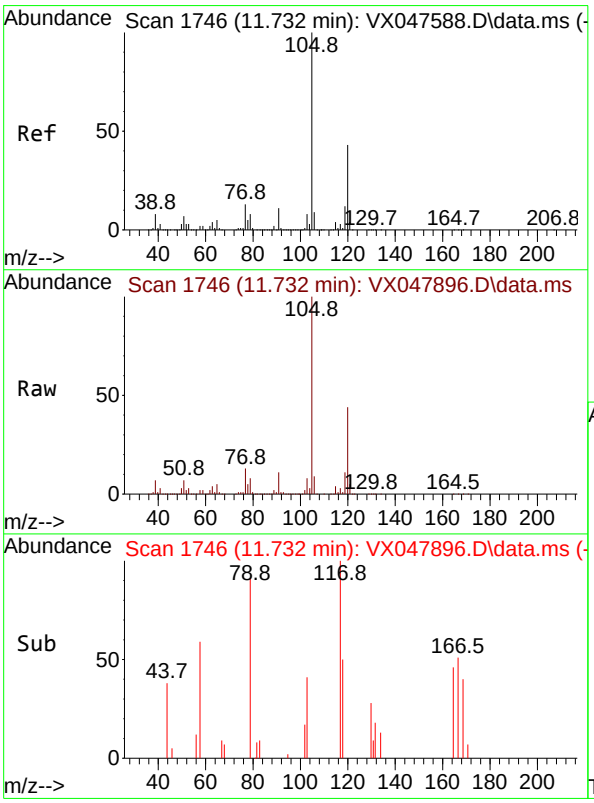
#83
tert-Butylbenzene
Concen: 48.542 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 376514

Ion	Ratio	Lower	Upper
119	100		
91	57.7	29.6	88.8
134	22.5	11.0	33.0

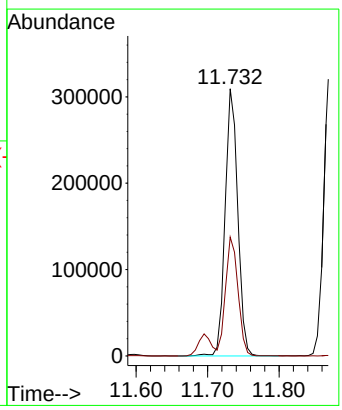


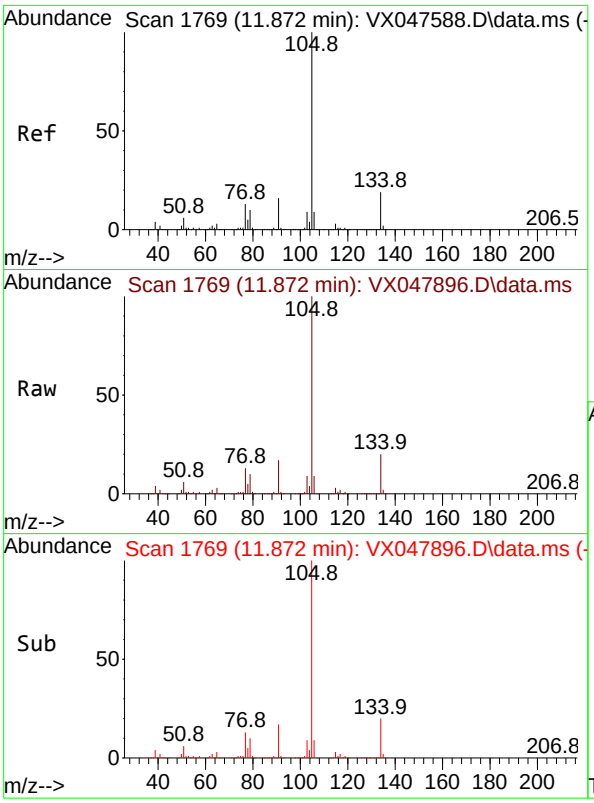


#84
1,2,4-Trimethylbenzene
Concen: 49.378 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:105 Resp: 379320

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.1



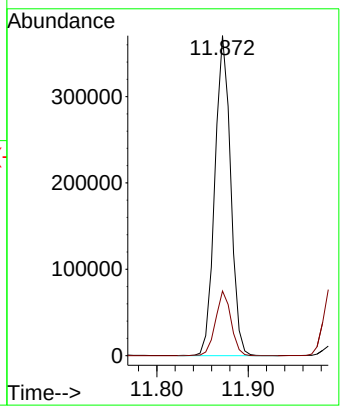


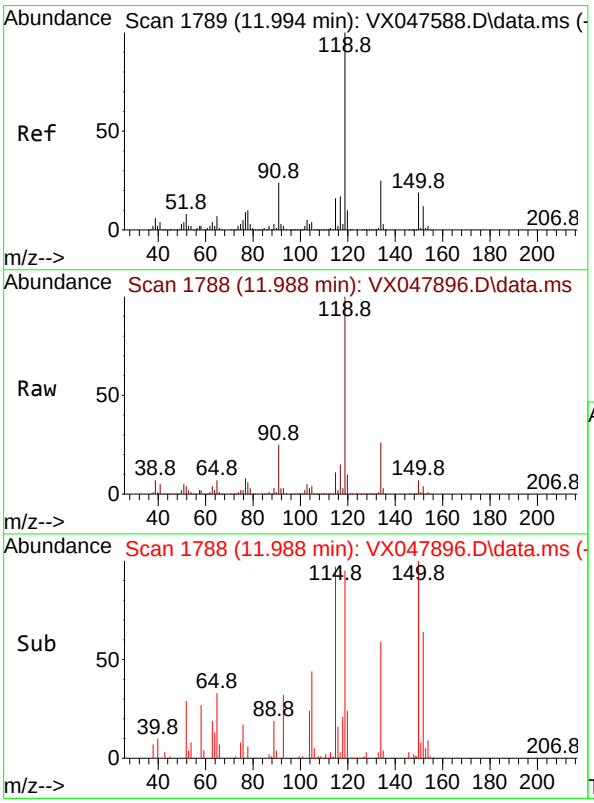
#85
sec-Butylbenzene
Concen: 48.154 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 443652

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5

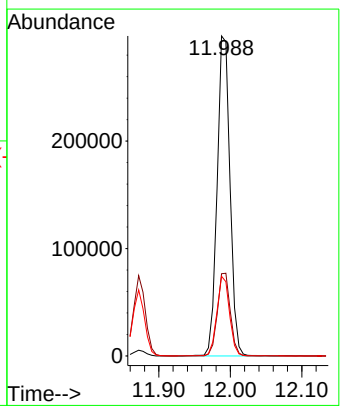


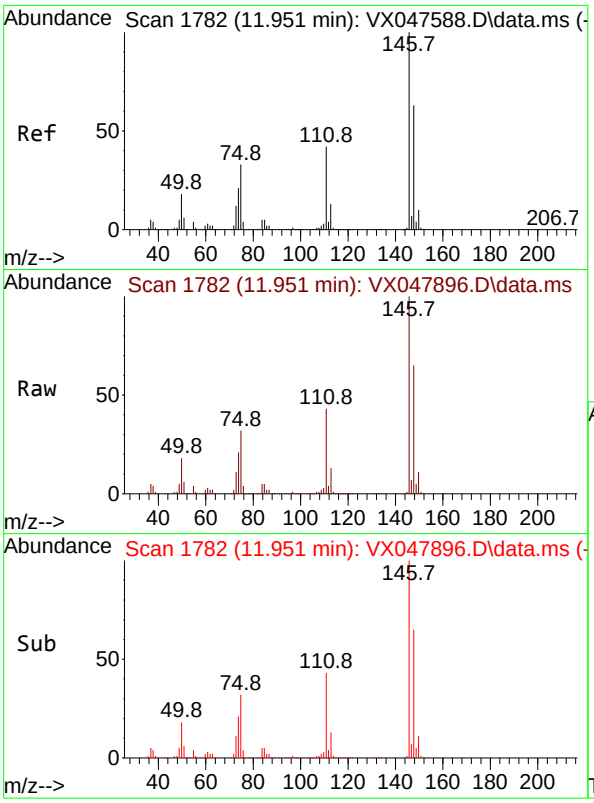


#86
p-Isopropyltoluene
Concen: 47.687 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:119 Resp: 371954

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	24.3	12.6	37.6



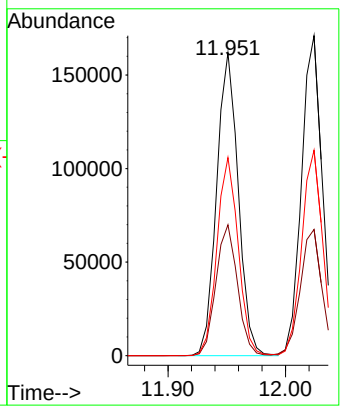


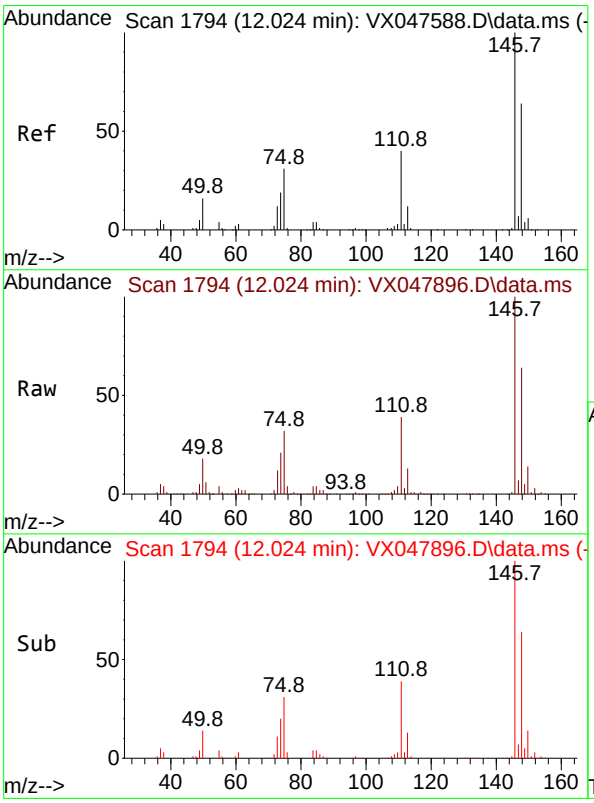
#87
1,3-Dichlorobenzene
Concen: 49.112 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 207204

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.5	64.5
148	64.5	32.0	96.0

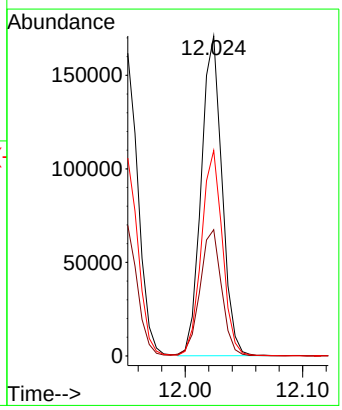


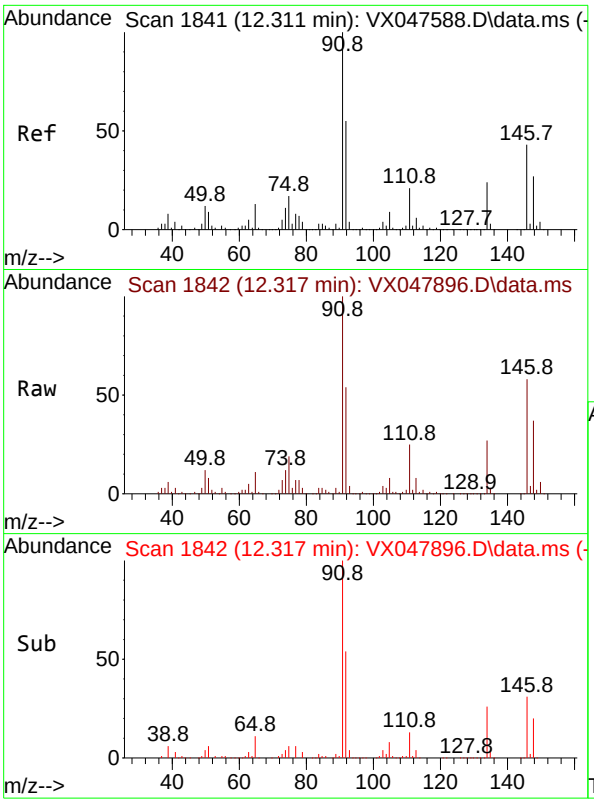


#88
1,4-Dichlorobenzene
Concen: 48.509 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:146 Resp: 210050

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.4
148	65.1	31.7	95.1



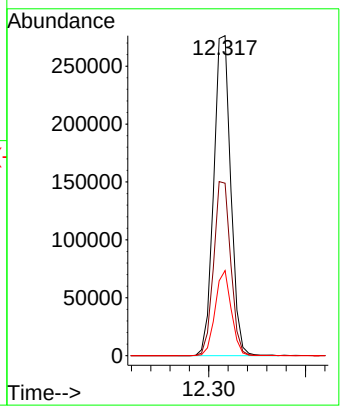


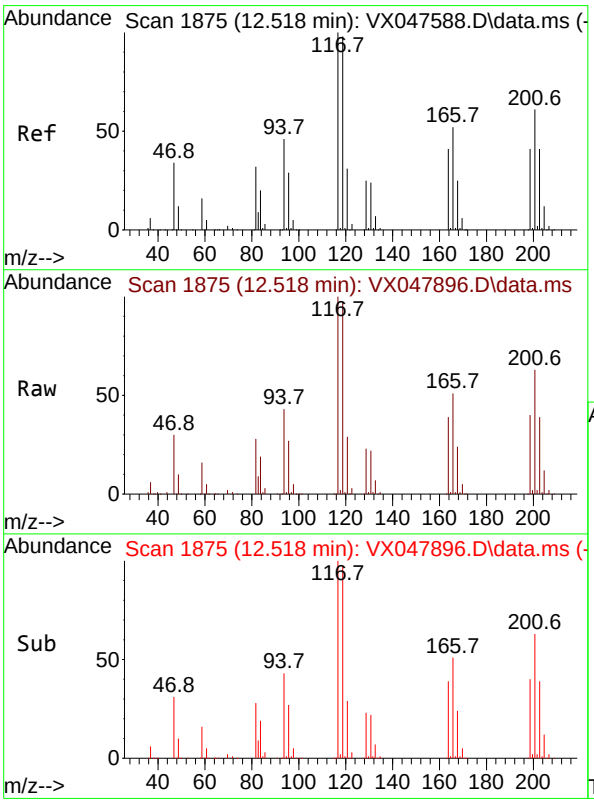
#89
n-Butylbenzene
Concen: 46.701 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 337054

Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.6	82.7
134	25.3	12.6	37.8

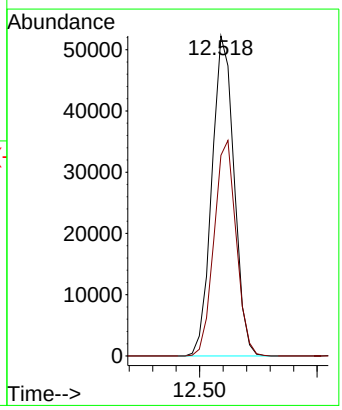


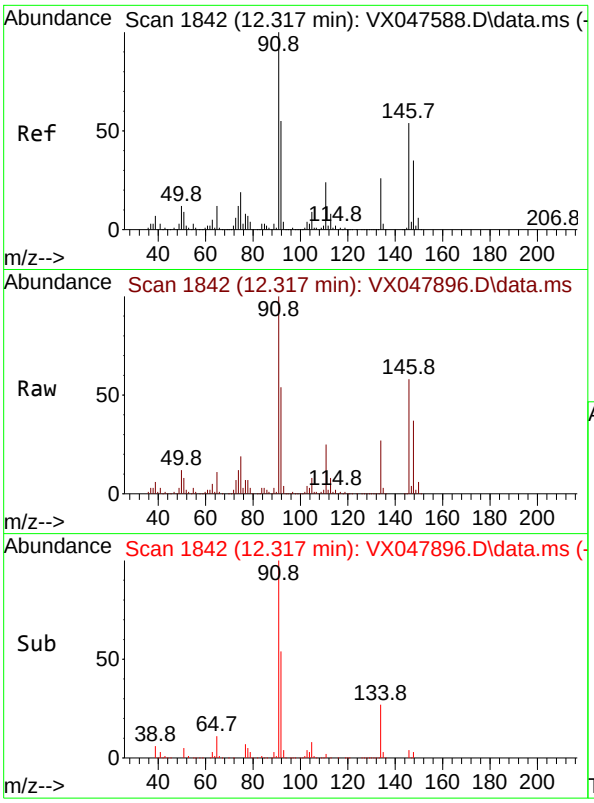


#90
Hexachloroethane
Concen: 50.194 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:117 Resp: 68737

Ion	Ratio	Lower	Upper
117	100		
201	67.2	34.2	102.5



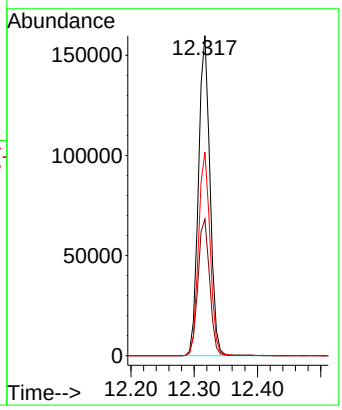


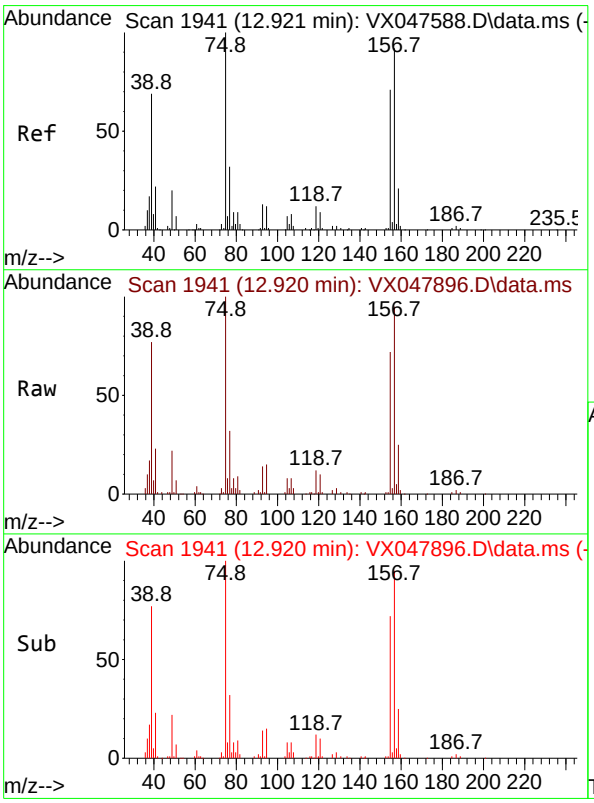
#91
1,2-Dichlorobenzene
Concen: 50.428 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 202692

Ion	Ratio	Lower	Upper
146	100		
111	43.3	22.2	66.6
148	64.0	31.8	95.4

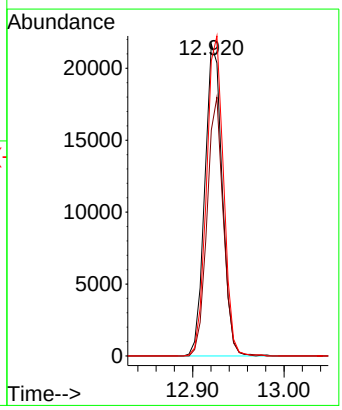


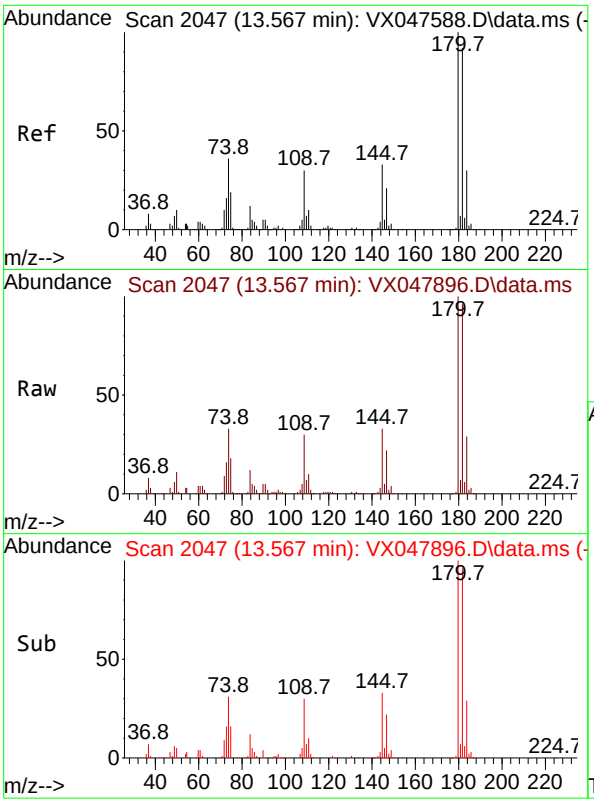


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.667 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion: 75 Resp: 28623

Ion	Ratio	Lower	Upper
75	100		
155	77.4	37.7	113.1
157	100.2	49.8	149.4



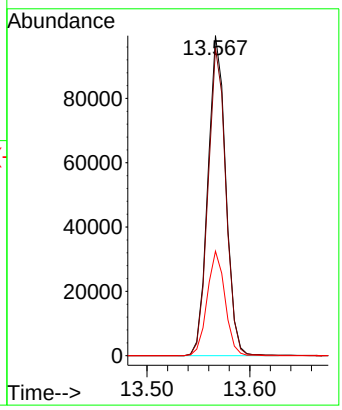


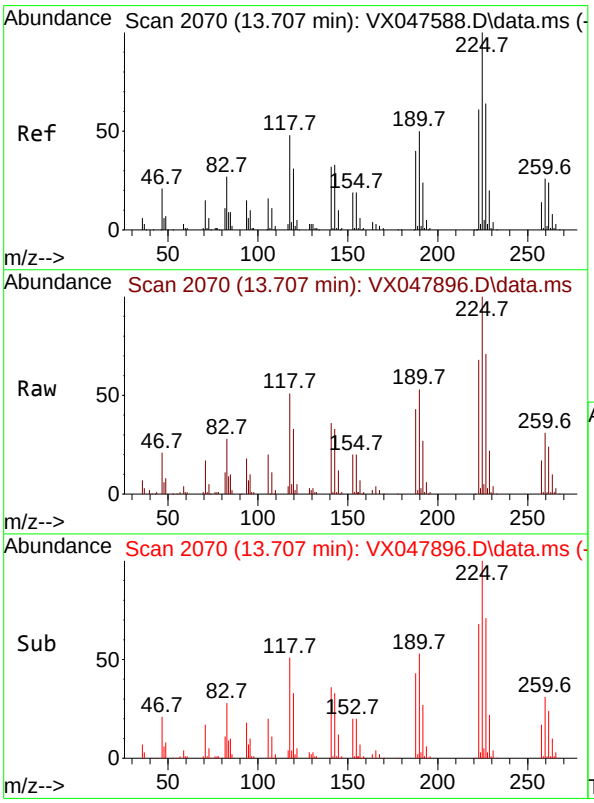
#93
1,2,4-Trichlorobenzene
Concen: 46.109 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 120450

Ion	Ratio	Lower	Upper
180	100		
182	96.0	46.6	139.8
145	32.6	16.4	49.1

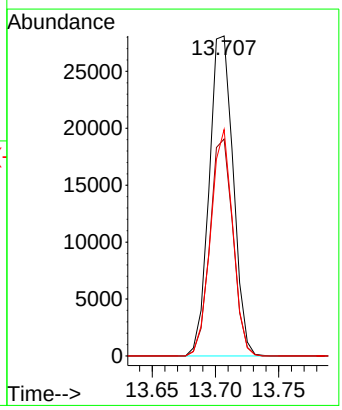


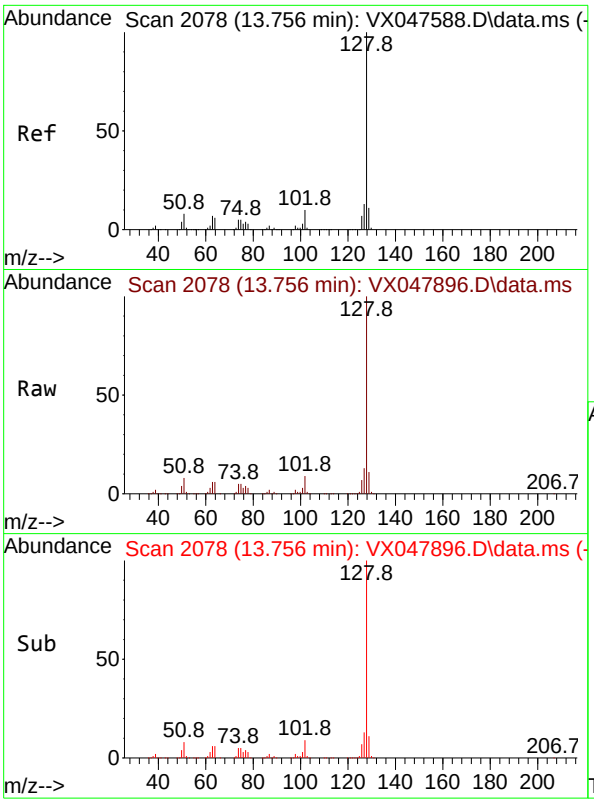


#94
Hexachlorobutadiene
Concen: 41.684 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:225 Resp: 36987

Ion	Ratio	Lower	Upper
225	100		
223	65.2	31.7	95.1
227	65.3	32.0	96.0



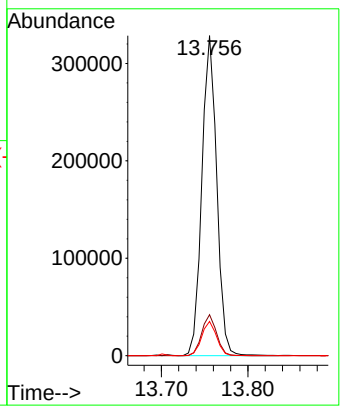


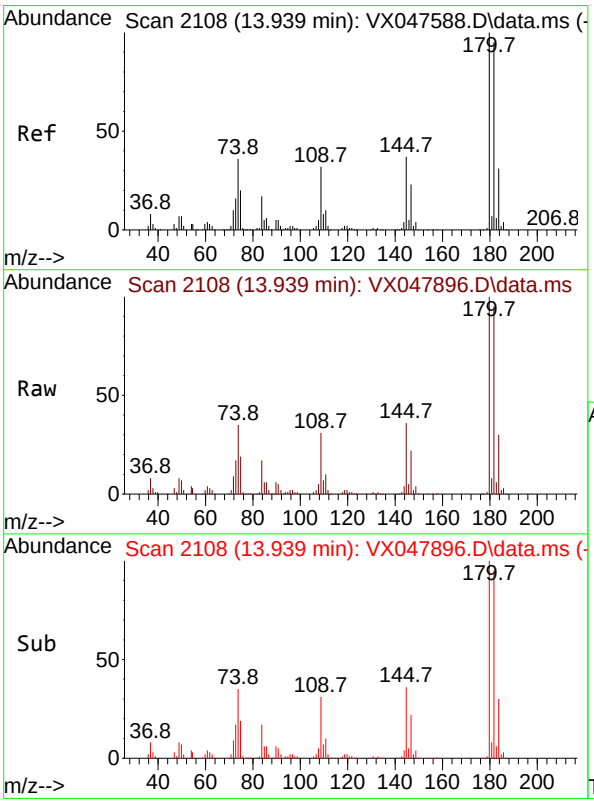
#95
Naphthalene
Concen: 49.163 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 391072

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.8	8.8	13.2

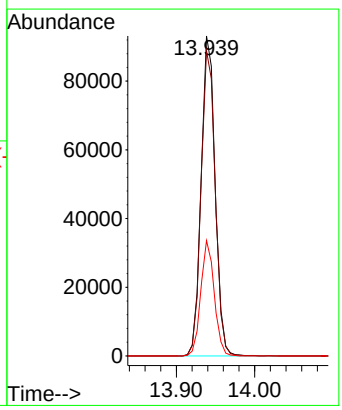




#96
1,2,3-Trichlorobenzene
Concen: 47.426 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047896.D
Acq: 30 Sep 2025 09:20

Tgt Ion:180 Resp: 115245

Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.6	142.8
145	34.8	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047899.D
Acq On : 30 Sep 2025 11:06
Operator : JC/MD
Sample : VX0930WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Quant Time: Oct 01 01:05:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	139945	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.744	114	252162	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	231700	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	116962	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	111456	50.035	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.060%			
35) Dibromofluoromethane	5.367	113	88183	52.144	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.280%			
50) Toluene-d8	8.634	98	298245	50.968	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.940%			
62) 4-Bromofluorobenzene	11.061	95	114694	51.645	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.178	85	31074	21.443	ug/l	100
3) Chloromethane	1.300	50	37023	19.439	ug/l	97
4) Vinyl Chloride	1.379	62	38369	20.580	ug/l	100
5) Bromomethane	1.617	94	24885	21.049	ug/l	97
6) Chloroethane	1.696	64	26261	21.075	ug/l	98
7) Trichlorofluoromethane	1.898	101	58065	20.976	ug/l	98
8) Diethyl Ether	2.135	74	23817	21.032	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.330	101	33865	20.922	ug/l	98
10) Methyl Iodide	2.452	142	44738	17.722	ug/l	99
11) Tert butyl alcohol	2.940	59	24336	98.093	ug/l	98
12) 1,1-Dichloroethene	2.324	96	33782	20.318	ug/l	98
13) Acrolein	2.233	56	17071	74.669	ug/l	94
14) Allyl chloride	2.666	41	66537	19.393	ug/l	96
15) Acrylonitrile	3.056	53	101872	110.857	ug/l	99
16) Acetone	2.373	43	102419	105.744	ug/l	98
17) Carbon Disulfide	2.513	76	87847	19.299	ug/l	98
18) Methyl Acetate	2.696	43	49397	22.917	ug/l	97
19) Methyl tert-butyl Ether	3.105	73	125472	20.672	ug/l	96
20) Methylene Chloride	2.788	84	44362	21.638	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	36680	20.491	ug/l	94
22) Diisopropyl ether	3.751	45	141324	21.254	ug/l	97
23) Vinyl Acetate	3.708	43	552550	103.827	ug/l	100
24) 1,1-Dichloroethane	3.605	63	74644	21.120	ug/l	97
25) 2-Butanone	4.537	43	133106	110.173	ug/l	100
26) 2,2-Dichloropropane	4.464	77	60806	20.697	ug/l	99
27) cis-1,2-Dichloroethene	4.476	96	45621	20.810	ug/l	99
28) Bromochloromethane	4.879	49	35248	22.845	ug/l	98
29) Tetrahydrofuran	4.989	42	78796	108.416	ug/l	99
30) Chloroform	5.074	83	78555	21.995	ug/l	99
31) Cyclohexane	5.458	56	56003	19.026	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	63051	20.814	ug/l	99
36) 1,1-Dichloropropene	5.684	75	47877	19.374	ug/l	98
37) Ethyl Acetate	4.696	43	55026	20.797	ug/l	98
38) Carbon Tetrachloride	5.659	117	53161	19.800	ug/l	96
39) Methylcyclohexane	7.366	83	51798	18.466	ug/l	97
40) Benzene	6.019	78	156993	20.917	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047899.D
Acq On : 30 Sep 2025 11:06
Operator : JC/MD
Sample : VX0930WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Quant Time: Oct 01 01:05:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.897	41	29878	21.873	ug/l		98
42) 1,2-Dichloroethane	6.068	62	59274	20.756	ug/l		97
43) Isopropyl Acetate	6.318	43	88344	20.358	ug/l		99
44) Trichloroethene	7.110	130	37124	20.459	ug/l		97
45) 1,2-Dichloropropane	7.415	63	41005	21.336	ug/l		94
46) Dibromomethane	7.567	93	30294	21.661	ug/l		99
47) Bromodichloromethane	7.805	83	62078	21.510	ug/l		98
48) Methyl methacrylate	7.677	41	43226	19.998	ug/l		97
49) 1,4-Dioxane	7.647	88	10293	471.195	ug/l		97
51) 4-Methyl-2-Pentanone	8.555	43	264493	109.932	ug/l		99
52) Toluene	8.701	92	96436	20.855	ug/l		100
53) t-1,3-Dichloropropene	8.963	75	60522	20.559	ug/l		97
54) cis-1,3-Dichloropropene	8.348	75	66061	20.996	ug/l		99
55) 1,1,2-Trichloroethane	9.134	97	39041	21.896	ug/l		97
56) Ethyl methacrylate	9.098	69	57568	20.558	ug/l		99
57) 1,3-Dichloropropane	9.293	76	67303	21.973	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	135613	108.246	ug/l		99
59) 2-Hexanone	9.415	43	188844	109.286	ug/l		100
60) Dibromochloromethane	9.506	129	45550	22.171	ug/l		98
61) 1,2-Dibromoethane	9.591	107	41458	22.828	ug/l		100
64) Tetrachloroethene	9.256	164	29553	19.566	ug/l		98
65) Chlorobenzene	10.061	112	107879	20.495	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.146	131	38886	21.408	ug/l		100
67) Ethyl Benzene	10.177	91	179475	19.761	ug/l		100
68) m/p-Xylenes	10.286	106	137274	40.608	ug/l		99
69) o-Xylene	10.622	106	65978	20.178	ug/l		99
70) Styrene	10.640	104	117279	20.470	ug/l		98
71) Bromoform	10.780	173	29485	21.740	ug/l	#	97
73) Isopropylbenzene	10.945	105	169045	19.011	ug/l		100
74) N-amyl acetate	10.823	43	75908	18.720	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	57365	21.323	ug/l		99
76) 1,2,3-Trichloropropane	11.225	75	61365	25.913	ug/l		89
77) Bromobenzene	11.183	156	43262	19.754	ug/l		98
78) n-propylbenzene	11.286	91	203358	19.346	ug/l		100
79) 2-Chlorotoluene	11.347	91	125246	19.454	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	142350	19.485	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	16033	17.265	ug/l		94
82) 4-Chlorotoluene	11.439	91	147339	19.377	ug/l		98
83) tert-Butylbenzene	11.695	119	141288	18.892	ug/l		98
84) 1,2,4-Trimethylbenzene	11.737	105	144682	19.534	ug/l		98
85) sec-Butylbenzene	11.871	105	172007	19.363	ug/l		100
86) p-Isopropyltoluene	11.993	119	143333	19.059	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	80302	19.740	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	82964	19.871	ug/l		99
89) n-Butylbenzene	12.317	91	131974	18.965	ug/l		98
90) Hexachloroethane	12.518	117	26275	19.900	ug/l		97
91) 1,2-Dichlorobenzene	12.317	146	77273	19.939	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	10179	18.688	ug/l		93
93) 1,2,4-Trichlorobenzene	13.566	180	48099	19.097	ug/l		98
94) Hexachlorobutadiene	13.707	225	16798	19.635	ug/l		98
95) Naphthalene	13.755	128	142292	18.552	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	45008	19.210	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047899.D
Acq On : 30 Sep 2025 11:06
Operator : JC/MD
Sample : VX0930WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Quant Time: Oct 01 01:05:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

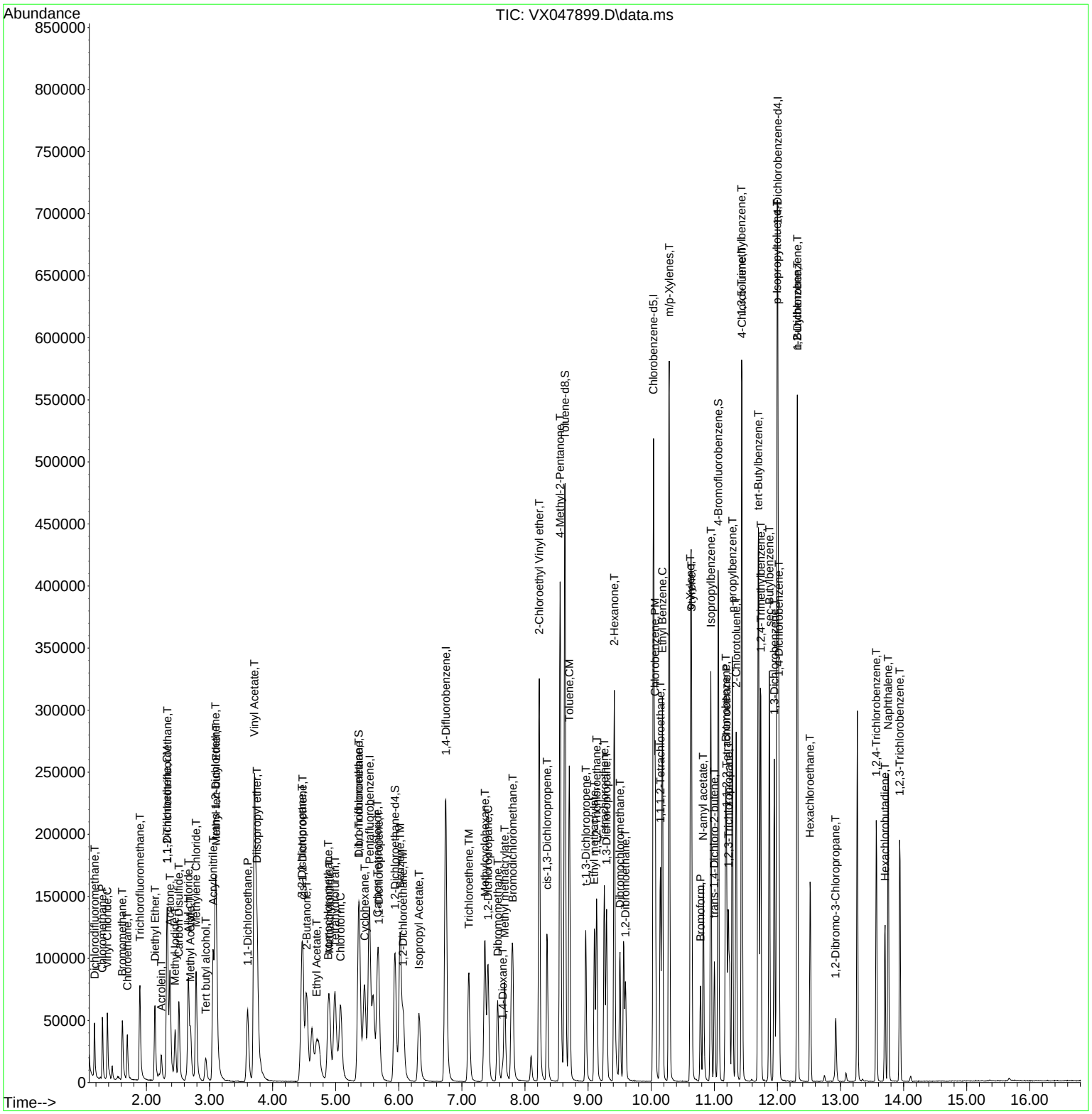
(#) = qualifier out of range (m) = manual integration (+) = signals summed

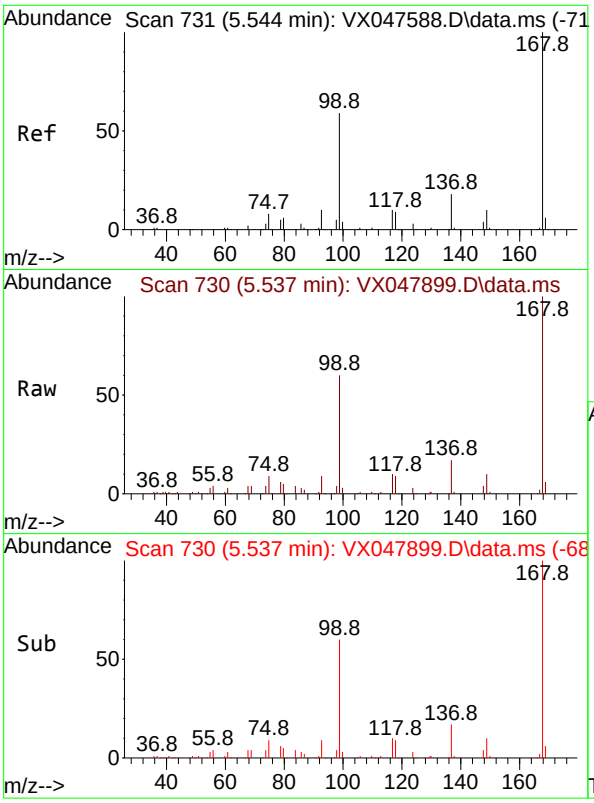
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047899.D
Acq On : 30 Sep 2025 11:06
Operator : JC/MD
Sample : VX0930WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Quant Time: Oct 01 01:05:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



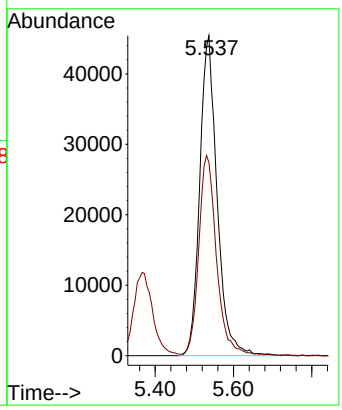


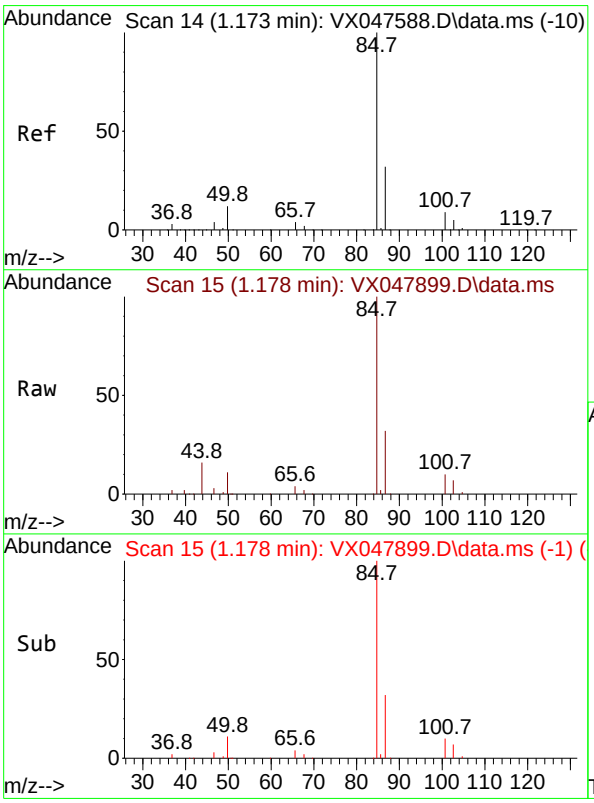
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:168 Resp: 139945

Ion	Ratio	Lower	Upper
168	100		
99	60.3	48.8	73.2

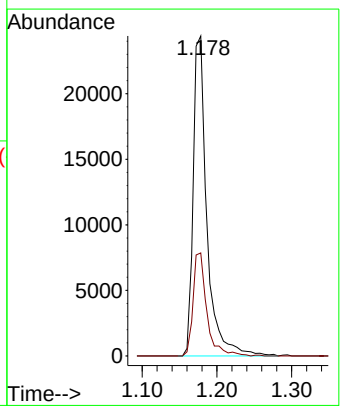


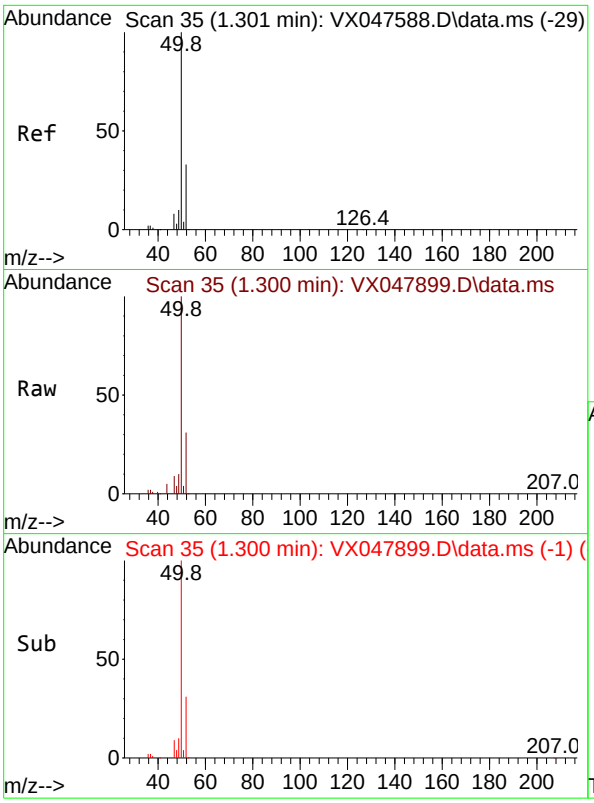


#2
Dichlorodifluoromethane
Concen: 21.443 ug/l
RT: 1.178 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 85 Resp: 31074

Ion	Ratio	Lower	Upper
85	100		
87	31.7	15.8	47.3



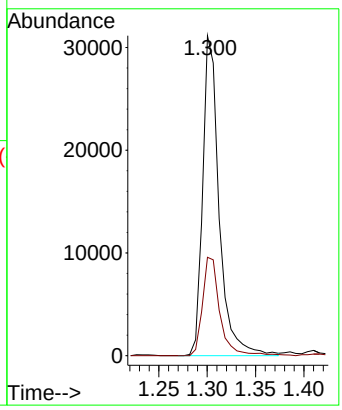


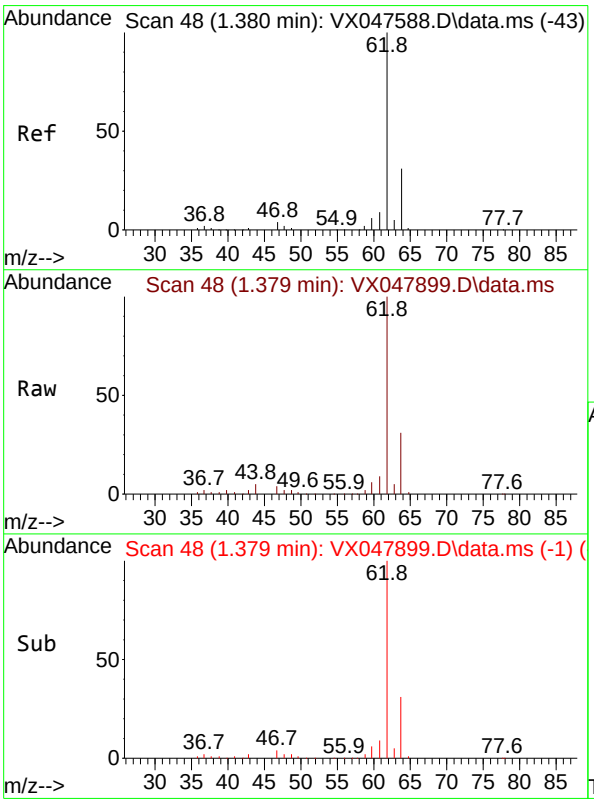
#3
Chloromethane
Concen: 19.439 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 50 Resp: 37023

Ion	Ratio	Lower	Upper
50	100		
52	30.8	26.1	39.1

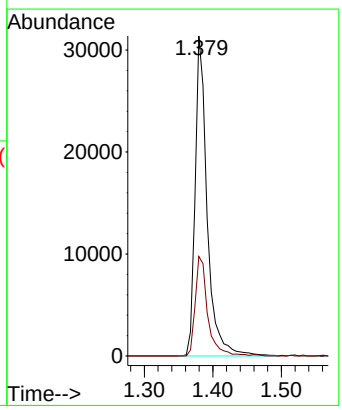


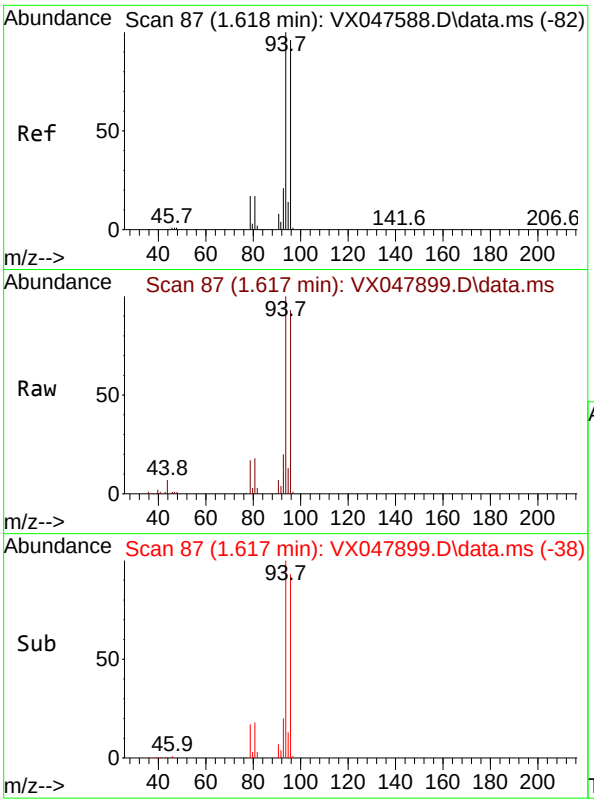


#4
Vinyl Chloride
Concen: 20.580 ug/l
RT: 1.379 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 62 Resp: 38369

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.9	37.3



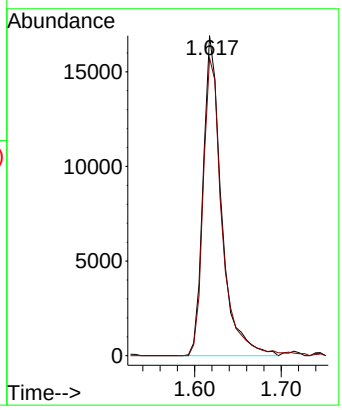


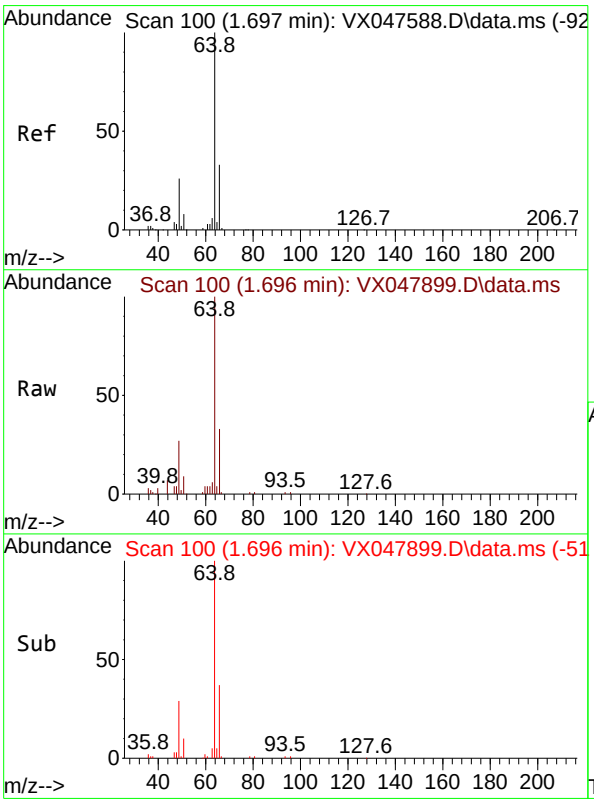
#5
Bromomethane
Concen: 21.049 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 94 Resp: 24885

Ion	Ratio	Lower	Upper
94	100		
96	93.0	76.6	115.0

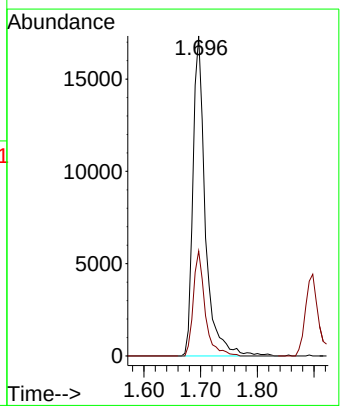


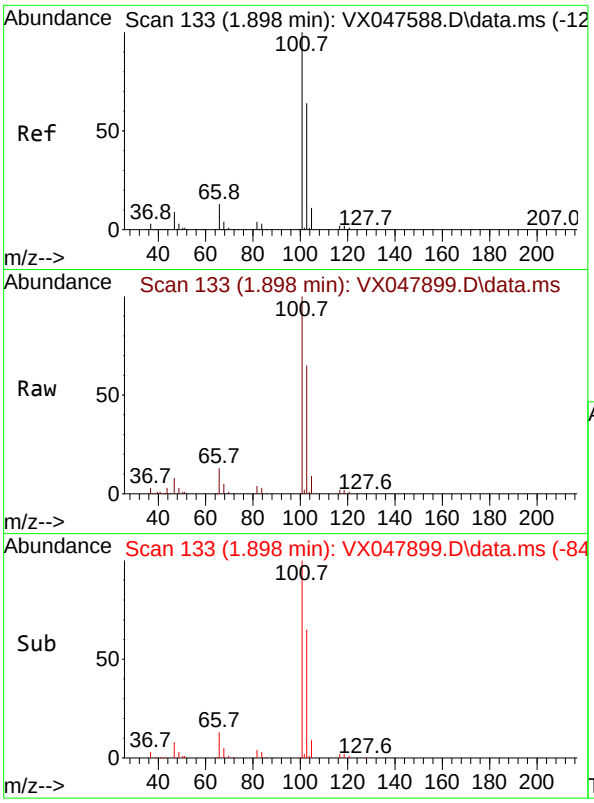


#6
Chloroethane
Concen: 21.075 ug/l
RT: 1.696 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 64 Resp: 26261

Ion	Ratio	Lower	Upper
64	100		
66	33.9	26.1	39.1



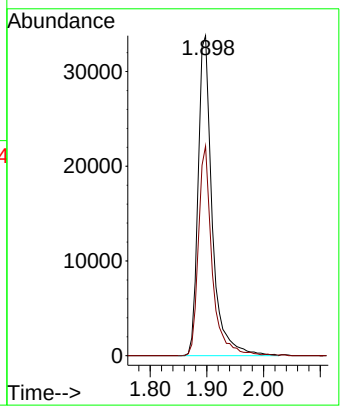


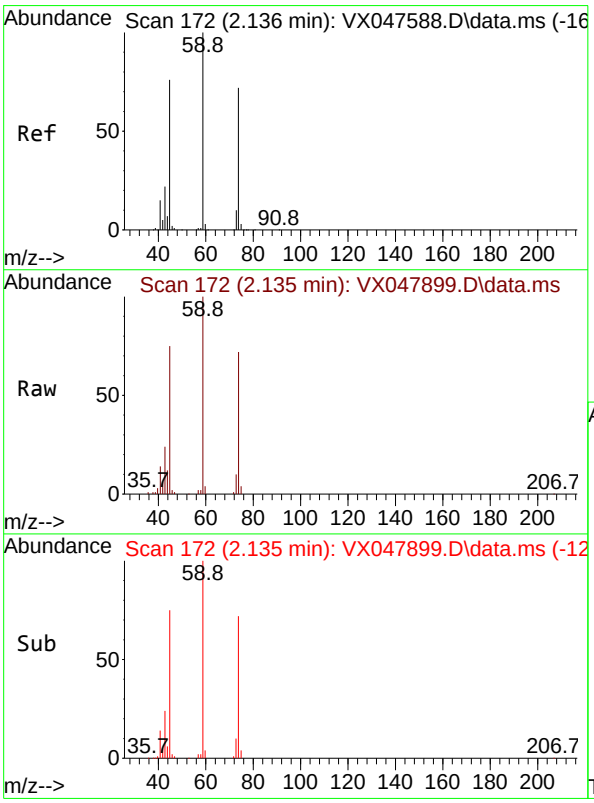
#7
Trichlorofluoromethane
Concen: 20.976 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:101 Resp: 58065

Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.4	77.2

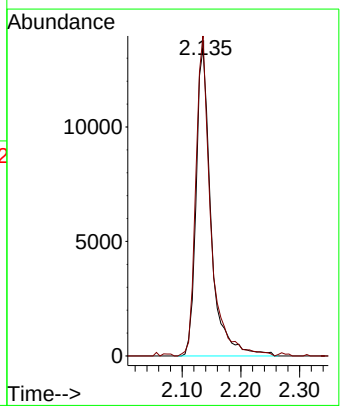


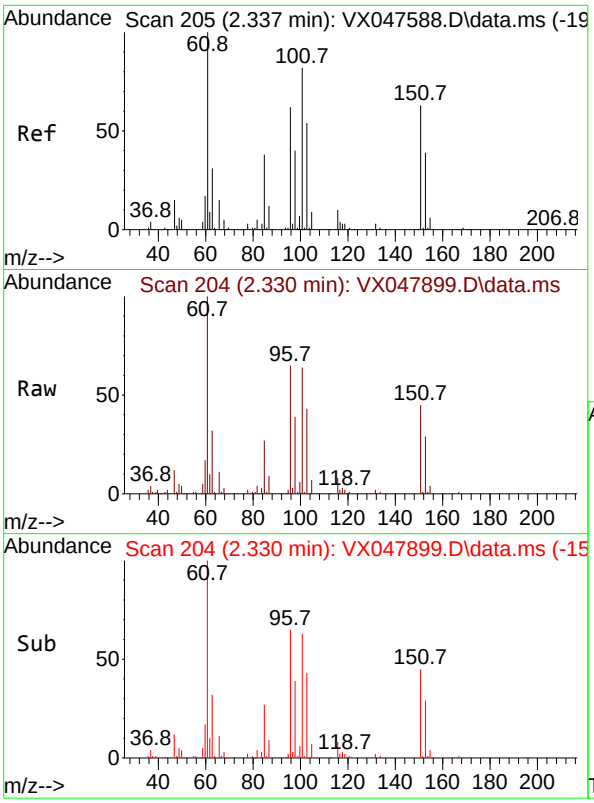


#8
Diethyl Ether
Concen: 21.032 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 74 Resp: 23817

Ion	Ratio	Lower	Upper
74	100		
45	103.6	52.3	156.8



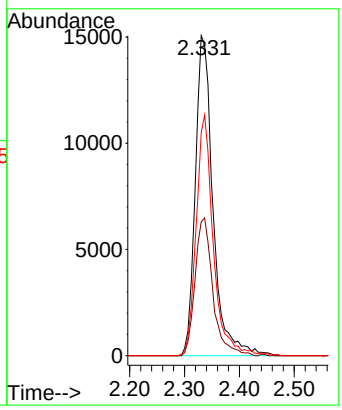


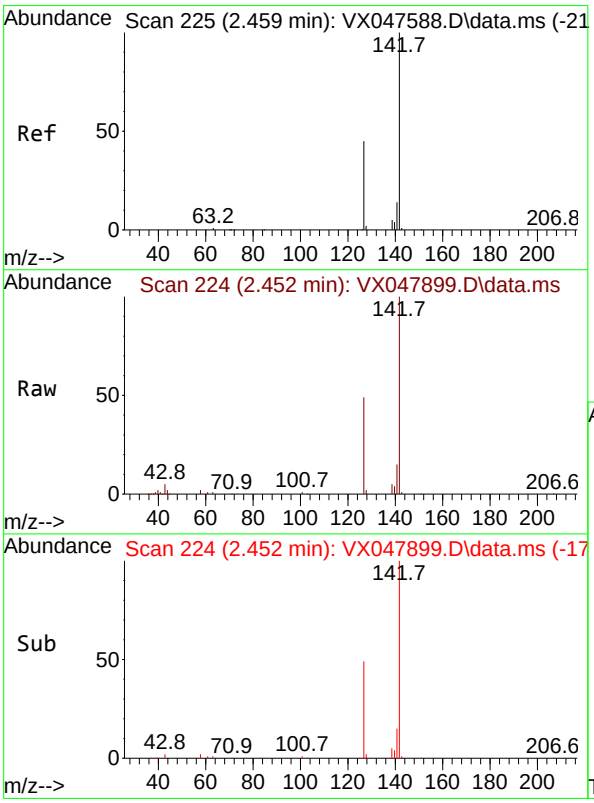
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.922 ug/l
RT: 2.330 min Scan# 2
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:101 Resp: 33865

Ion	Ratio	Lower	Upper
101	100		
85	43.4	35.5	53.3
151	72.7	59.4	89.0

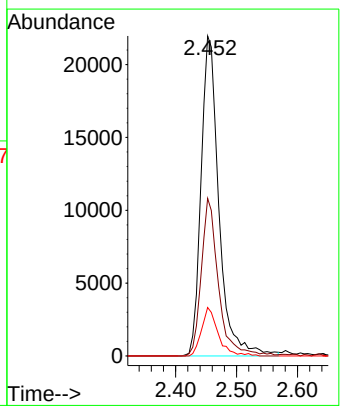


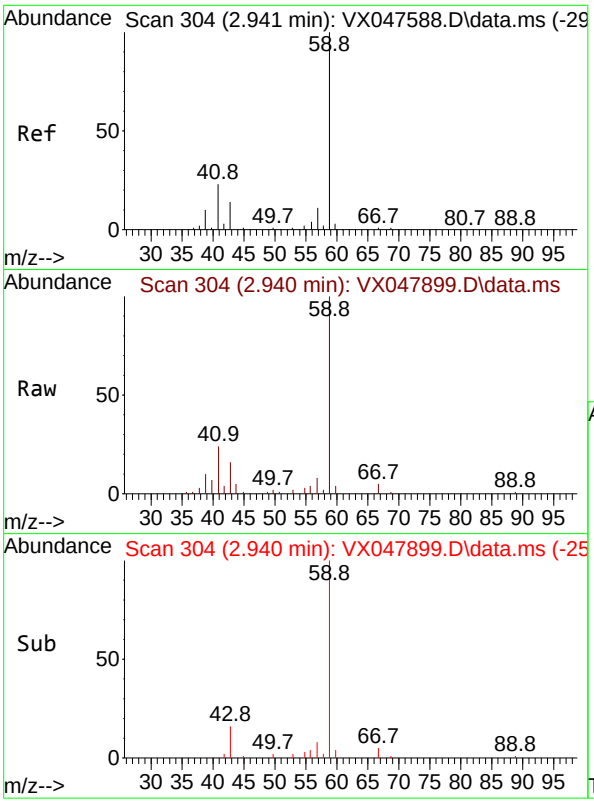


#10
Methyl Iodide
Concen: 17.722 ug/l
RT: 2.452 min Scan# 224
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:142 Resp: 44738

Ion	Ratio	Lower	Upper
142	100		
127	47.2	37.2	55.8
141	14.2	11.4	17.0



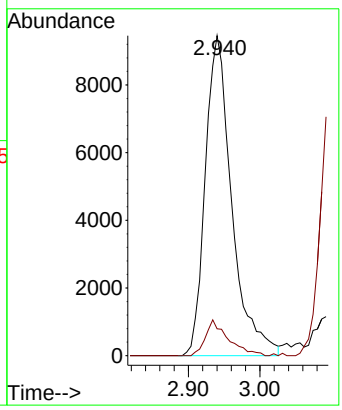


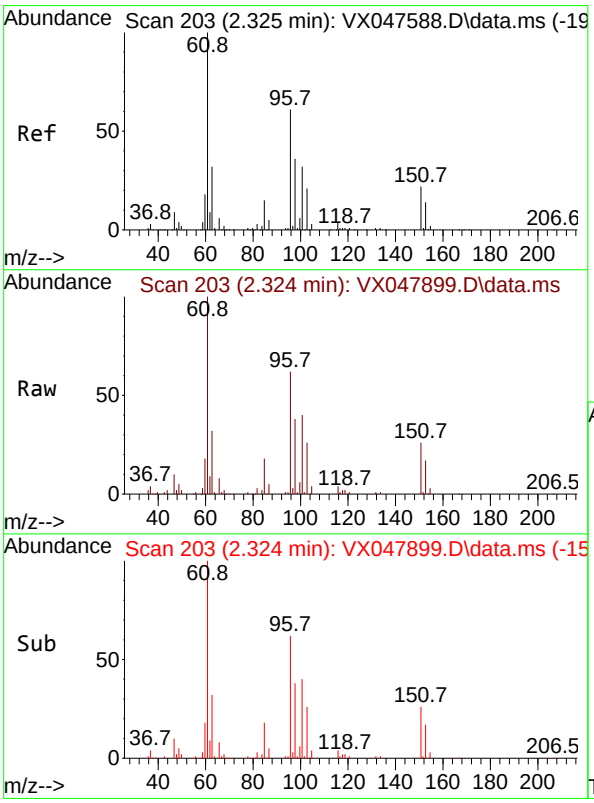
#11
Tert butyl alcohol
Concen: 98.093 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 59 Resp: 24336

Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.3	12.5

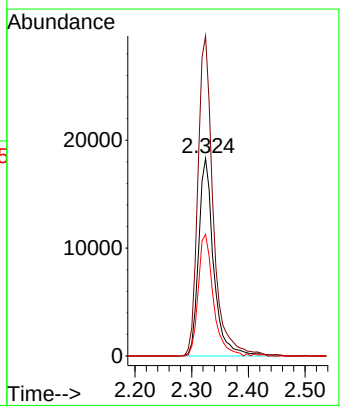


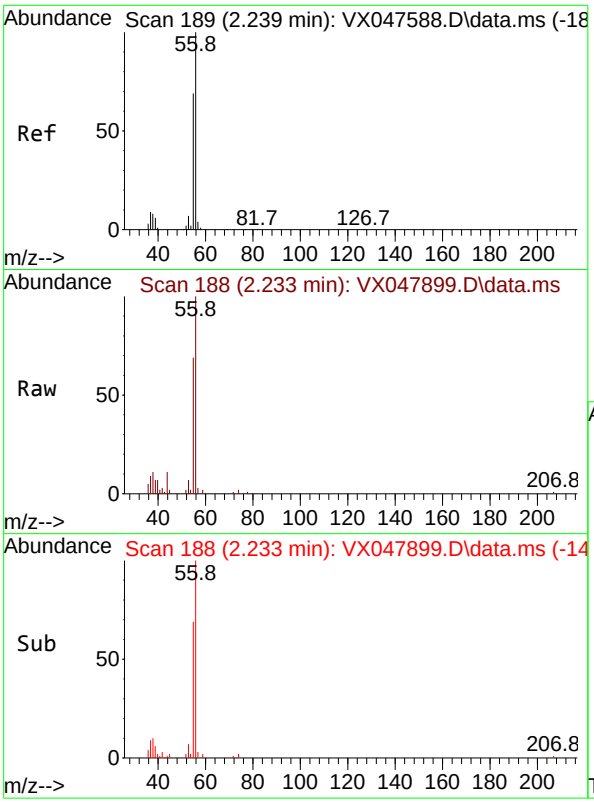


#12
1,1-Dichloroethene
Concen: 20.318 ug/l
RT: 2.324 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 96 Resp: 33782

Ion	Ratio	Lower	Upper
96	100		
61	161.9	131.0	196.6
98	63.1	47.7	71.5



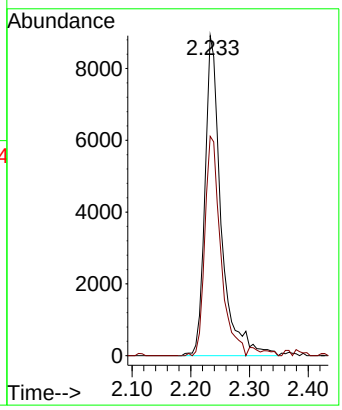


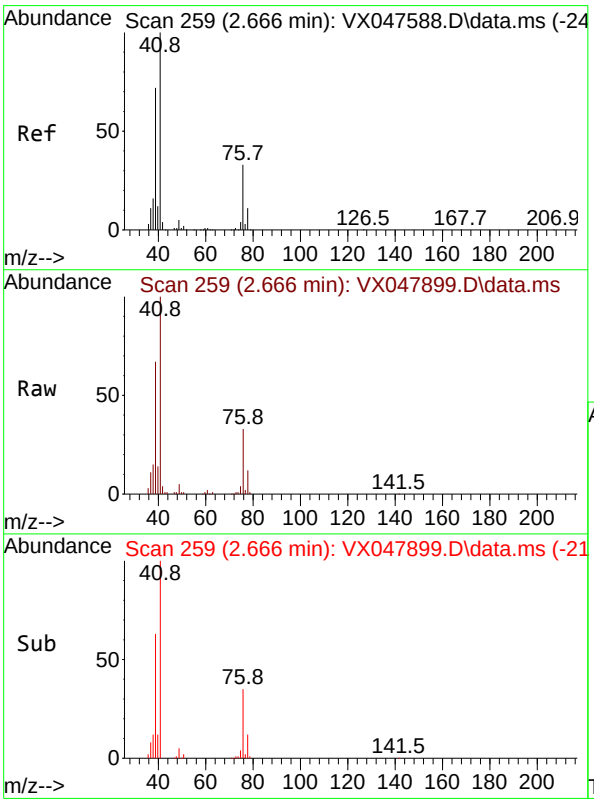
#13
Acrolein
Concen: 74.669 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 56 Resp: 17071

Ion	Ratio	Lower	Upper
56	100		
55	66.9	57.2	85.8

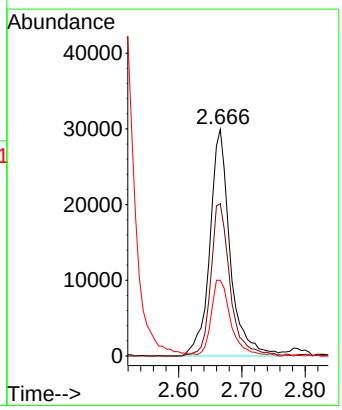


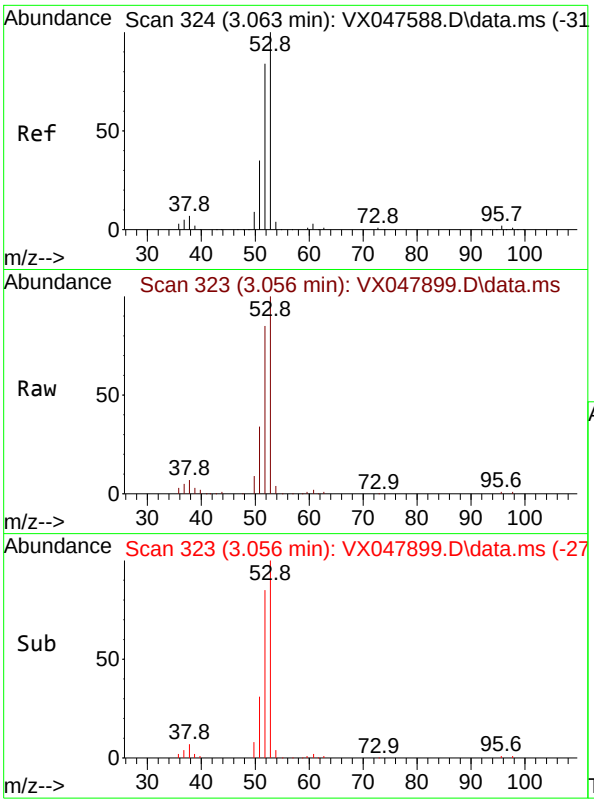


#14
Allyl chloride
Concen: 19.393 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 41 Resp: 66537

Ion	Ratio	Lower	Upper
41	100		
39	64.0	54.7	82.1
76	32.1	25.7	38.5



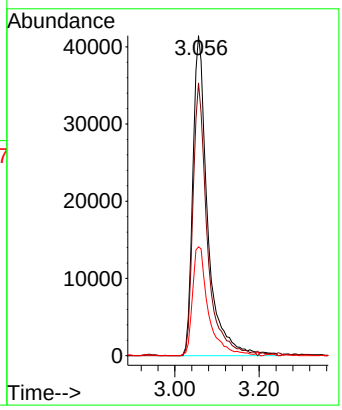


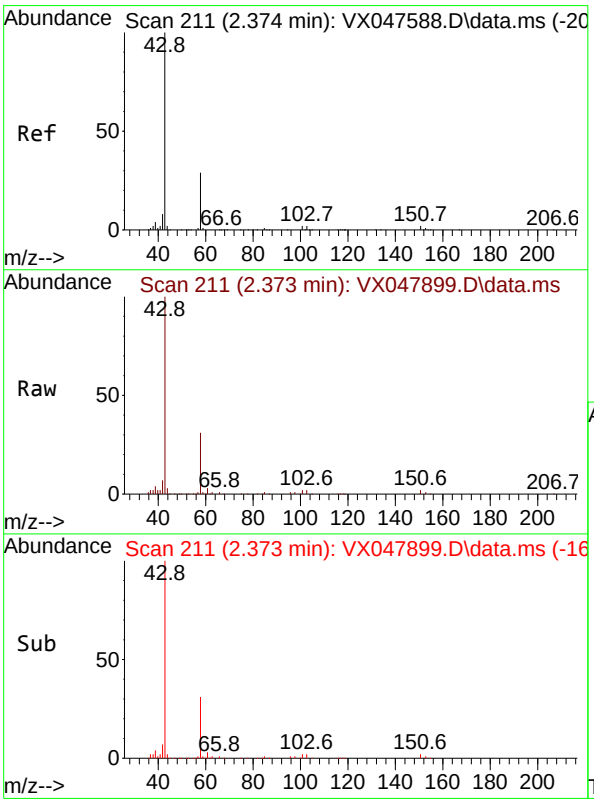
#15
Acrylonitrile
Concen: 110.857 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 53 Resp: 101872

Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.4	99.6
51	36.4	29.5	44.3

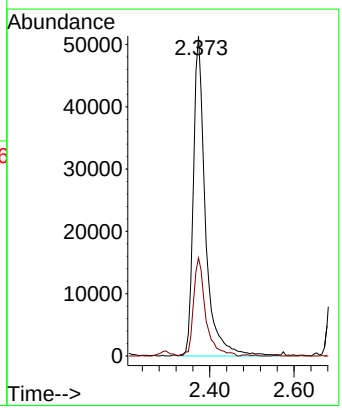


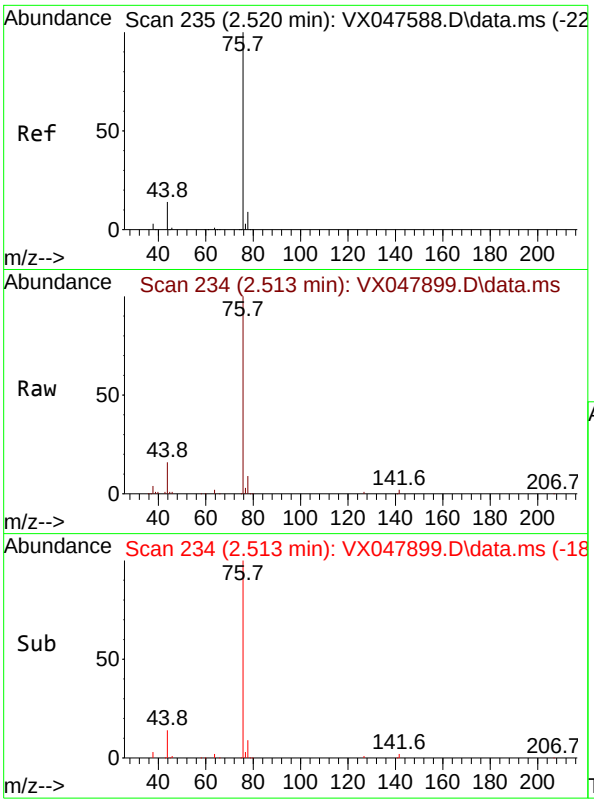


#16
Acetone
Concen: 105.744 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 43 Resp: 102419

Ion	Ratio	Lower	Upper
43	100		
58	30.5	23.4	35.0



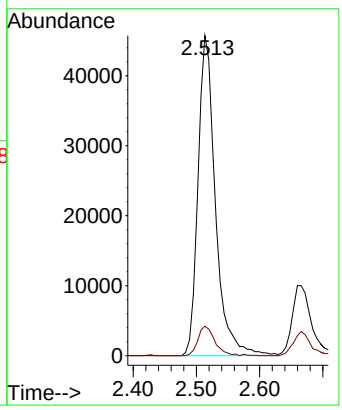


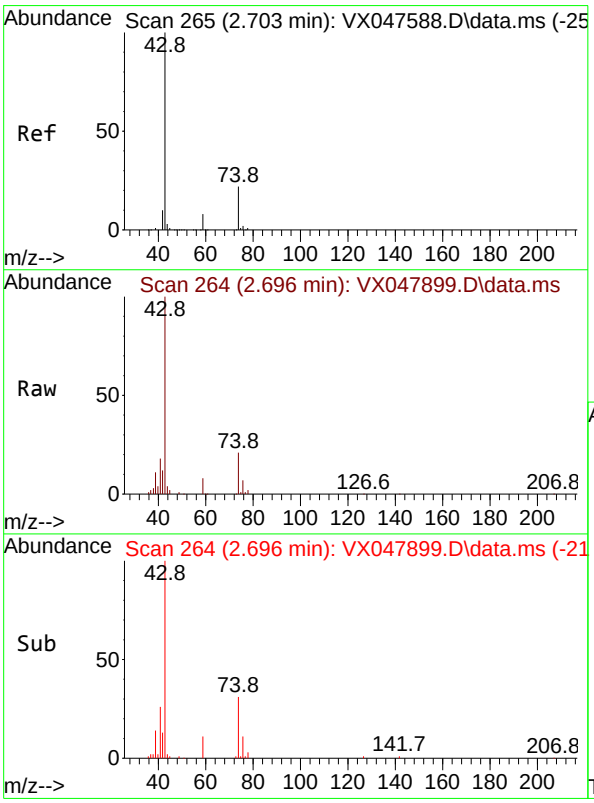
#17
Carbon Disulfide
Concen: 19.299 ug/l
RT: 2.513 min Scan# 2
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 76 Resp: 87847

Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.8	10.2

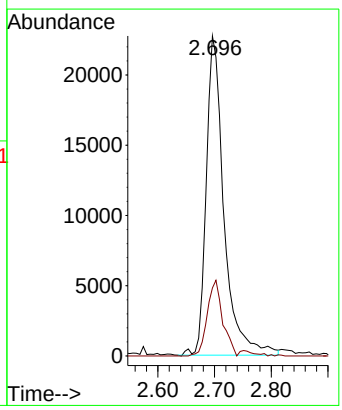


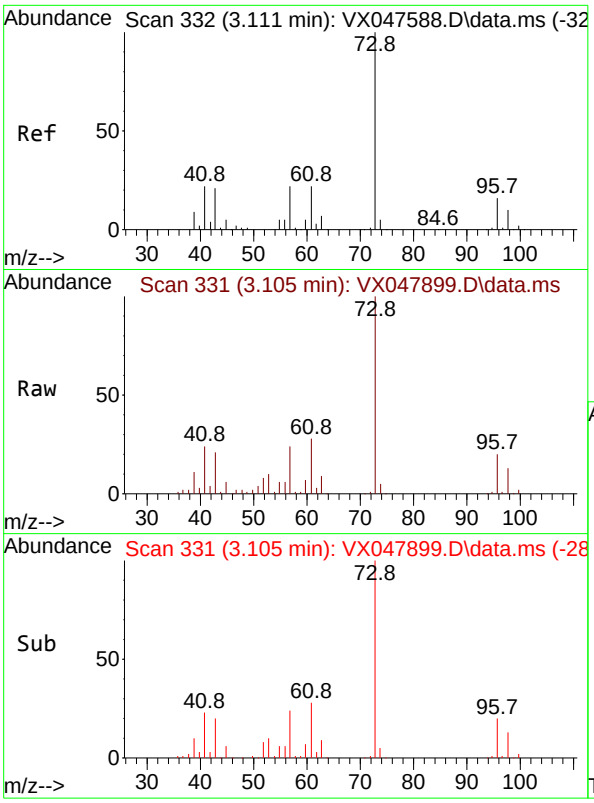


#18
Methyl Acetate
Concen: 22.917 ug/l
RT: 2.696 min Scan# 264
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 43 Resp: 49397

Ion	Ratio	Lower	Upper
43	100		
74	20.5	17.4	26.2



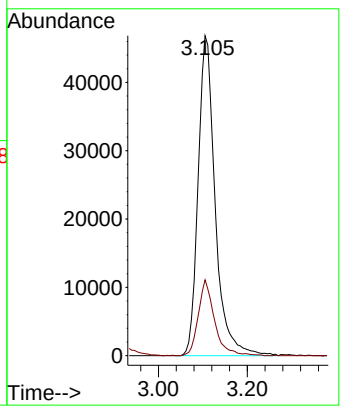


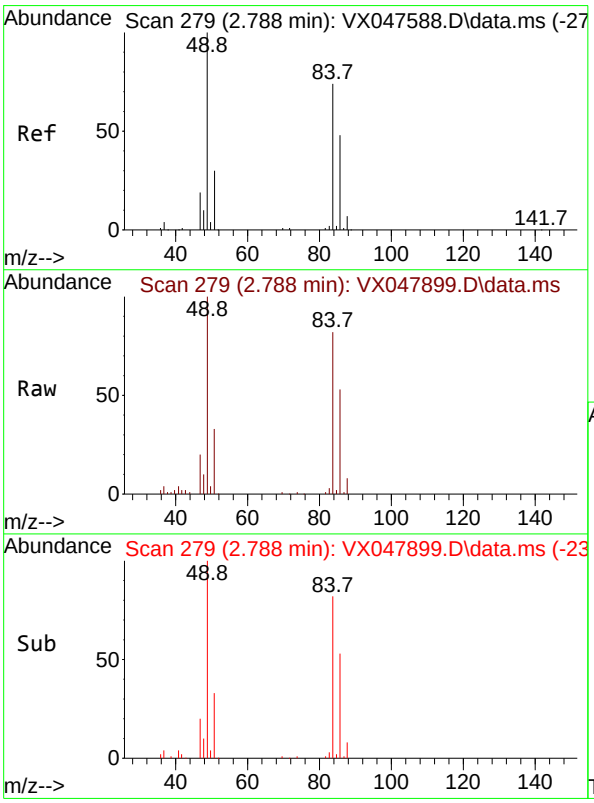
#19
Methyl tert-butyl Ether
Concen: 20.672 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 73 Resp: 125472

Ion	Ratio	Lower	Upper
73	100		
57	23.7	17.4	26.2

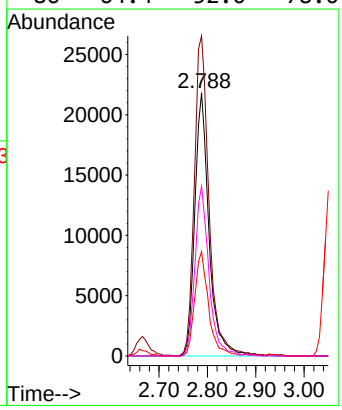


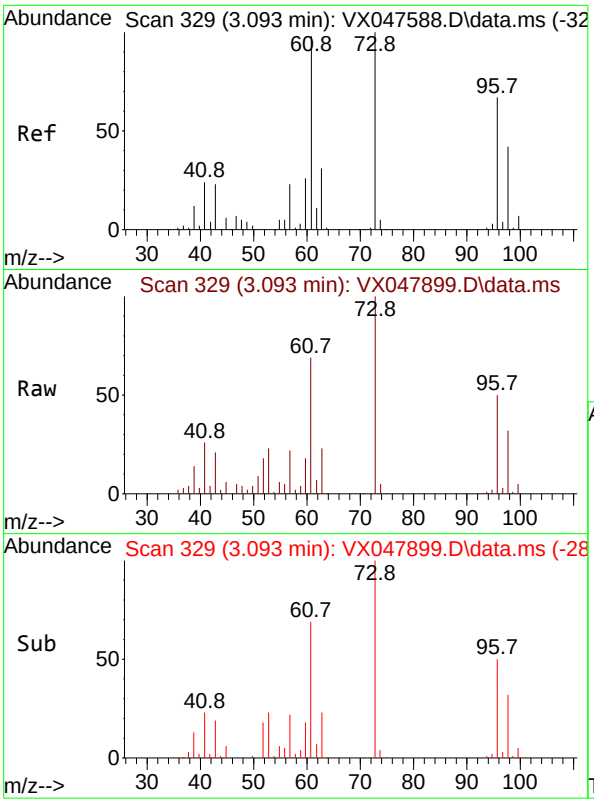


#20
Methylene Chloride
Concen: 21.638 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 84 Resp: 44362

Ion	Ratio	Lower	Upper
84	100		
49	121.5	108.6	162.8
51	39.6	32.6	48.8
86	64.4	52.0	78.0



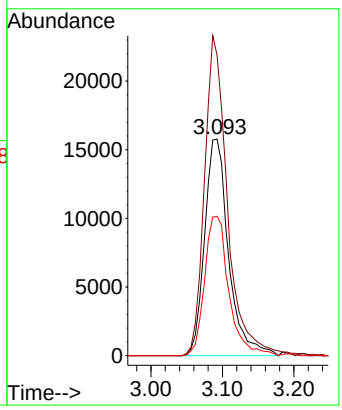


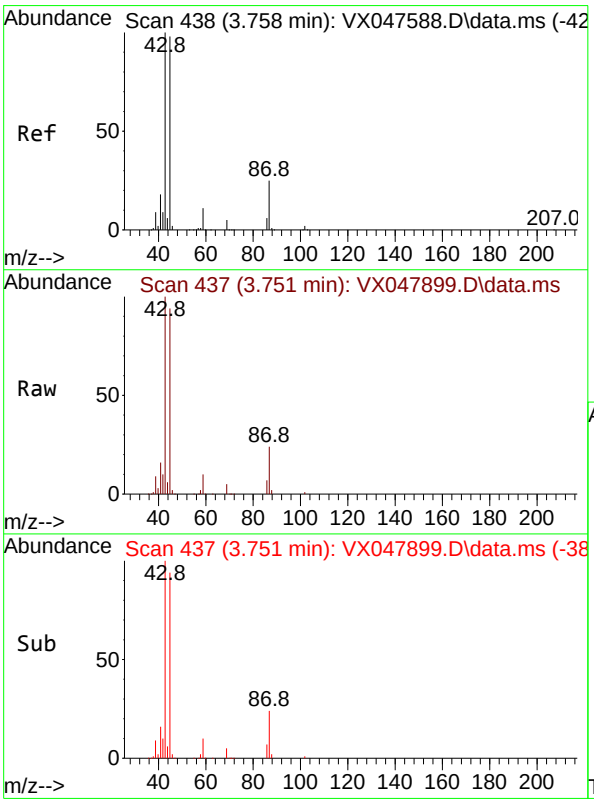
#21
trans-1,2-Dichloroethene
Concen: 20.491 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 96 Resp: 36680

Ion	Ratio	Lower	Upper
96	100		
61	138.7	116.2	174.2
98	66.5	49.3	73.9

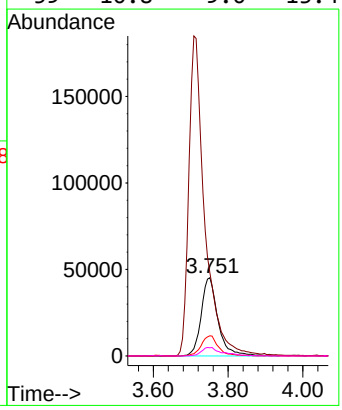


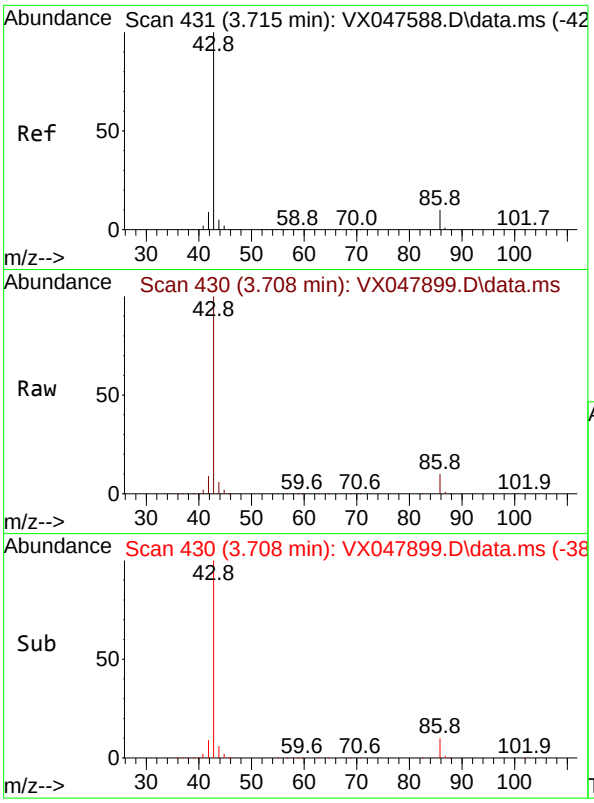


#22
Diisopropyl ether
Concen: 21.254 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 45 Resp: 141324

Ion	Ratio	Lower	Upper
45	100		
43	104.9	81.0	121.4
87	25.8	20.3	30.5
59	10.8	9.0	13.4



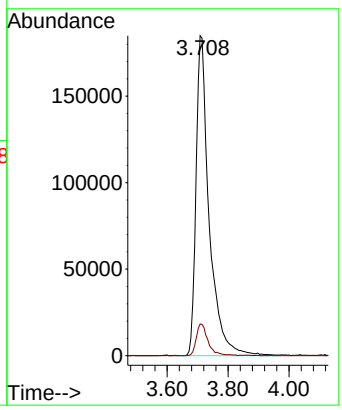


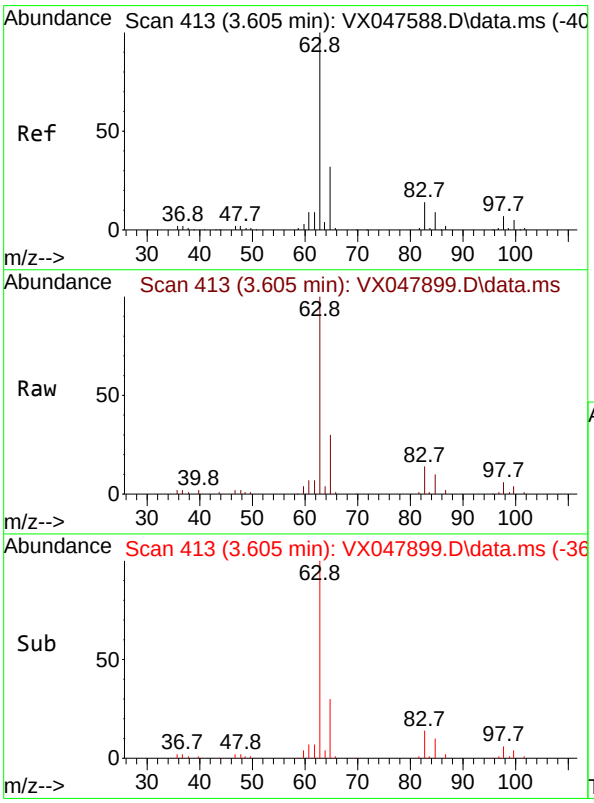
#23
Vinyl Acetate
Concen: 103.827 ug/l
RT: 3.708 min Scan# 4
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 43 Resp: 552550

Ion	Ratio	Lower	Upper
43	100		
86	9.9	7.8	11.8

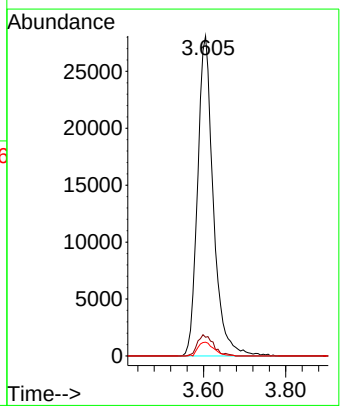


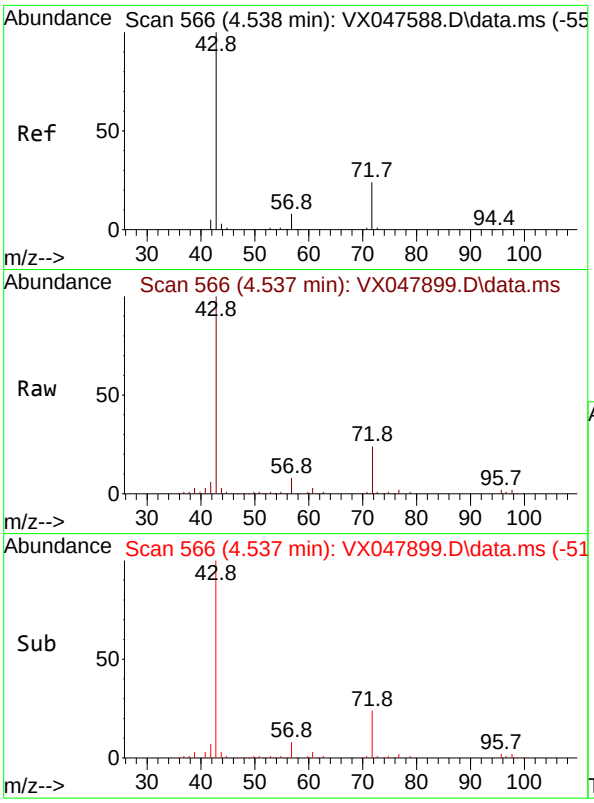


#24
1,1-Dichloroethane
Concen: 21.120 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 63 Resp: 74644

Ion	Ratio	Lower	Upper
63	100		
98	5.9	3.8	11.2
100	4.3	2.3	6.9



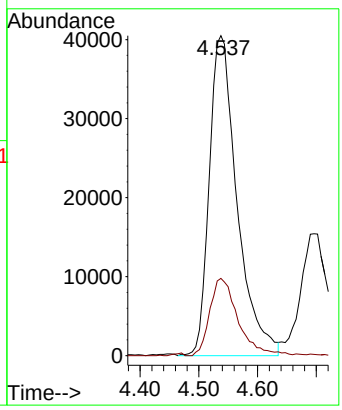


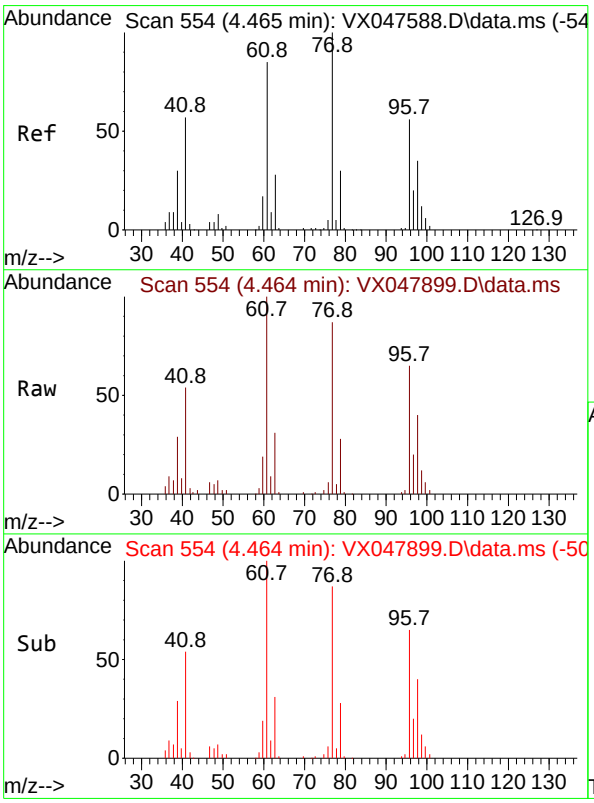
#25
2-Butanone
Concen: 110.173 ug/l
RT: 4.537 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 43 Resp: 133106

Ion	Ratio	Lower	Upper
43	100		
72	25.2	20.1	30.1

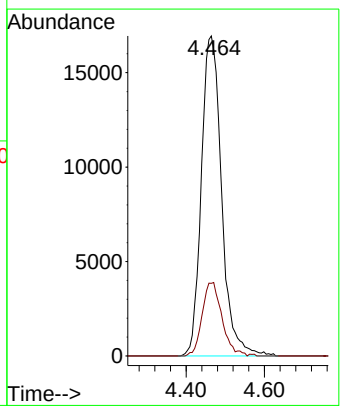


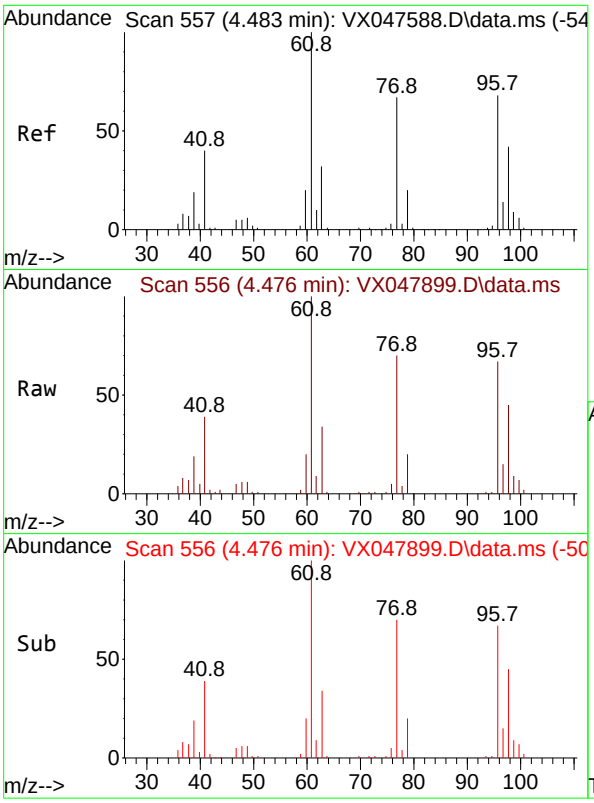


#26
2,2-Dichloropropane
Concen: 20.697 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 77 Resp: 60806

Ion	Ratio	Lower	Upper
77	100		
97	22.5	10.9	32.7



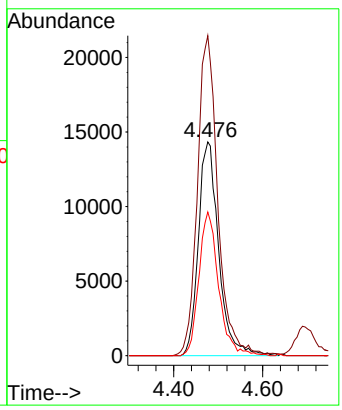


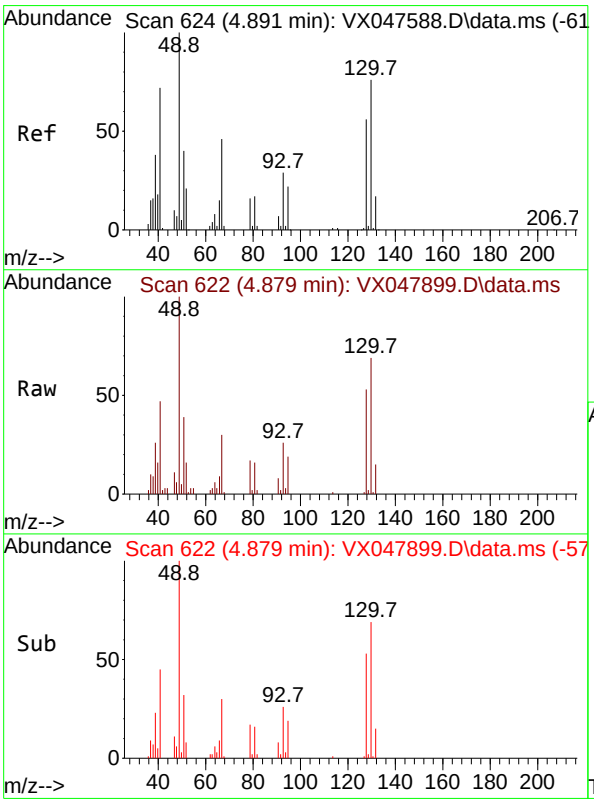
#27
cis-1,2-Dichloroethene
Concen: 20.810 ug/l
RT: 4.476 min Scan# 5
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 96 Resp: 45621

Ion	Ratio	Lower	Upper
96	100		
61	150.0	0.0	303.2
98	65.4	0.0	127.8

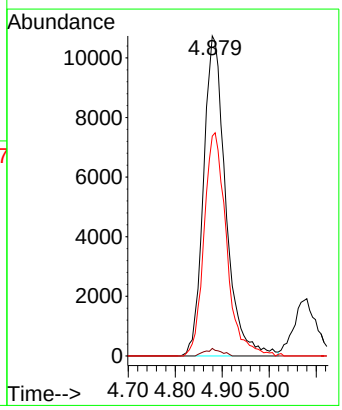


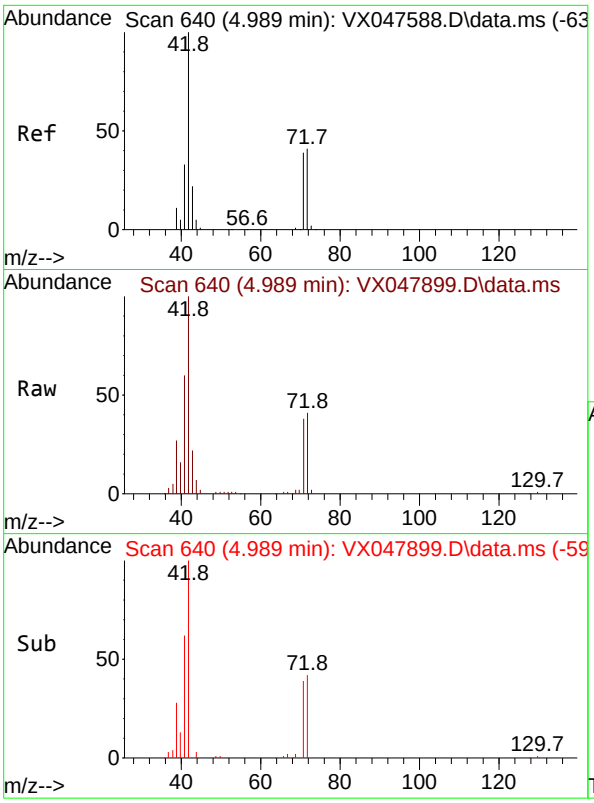


#28
Bromochloromethane
Concen: 22.845 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.013 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 49 Resp: 35248

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	70.4	57.8	86.8



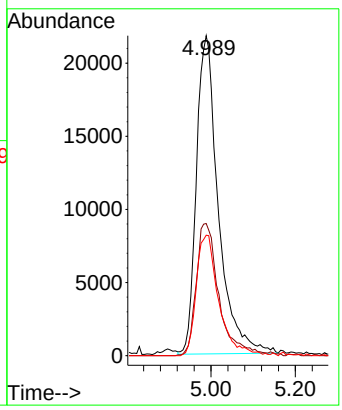


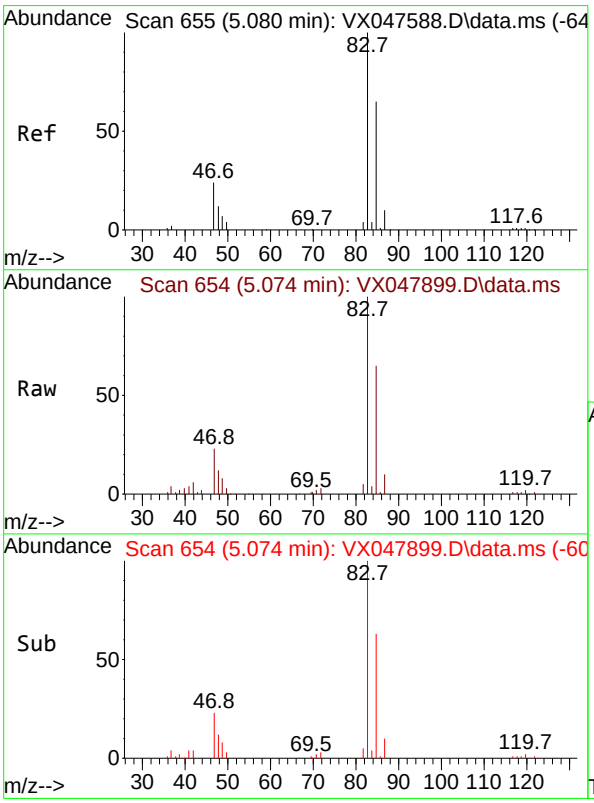
#29
Tetrahydrofuran
Concen: 108.416 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 42 Resp: 78796

Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.2	51.2
71	38.8	31.9	47.9

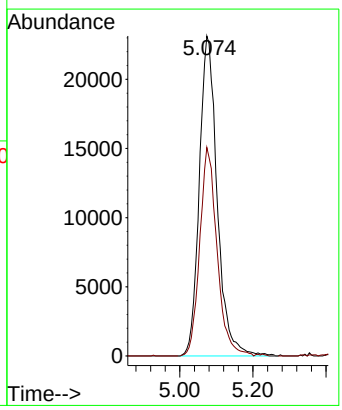


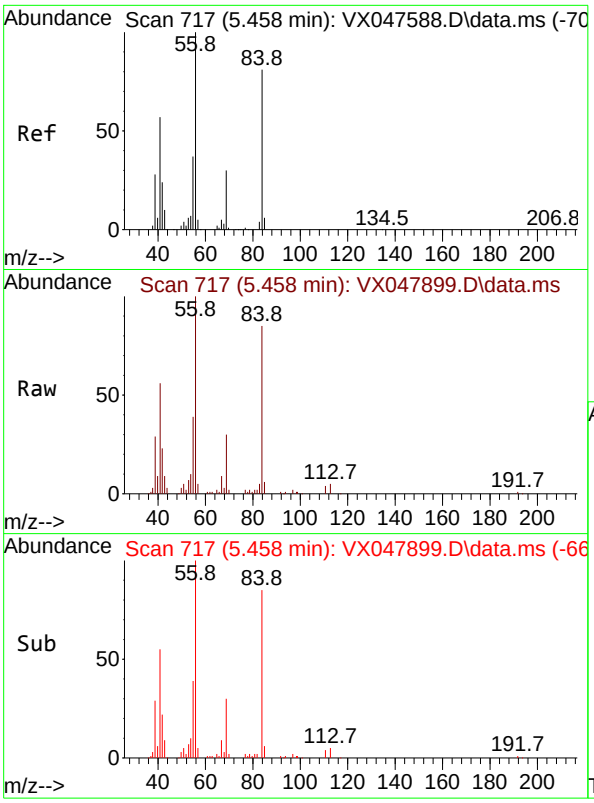


#30
Chloroform
Concen: 21.995 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 83 Resp: 78555

Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.8	77.6



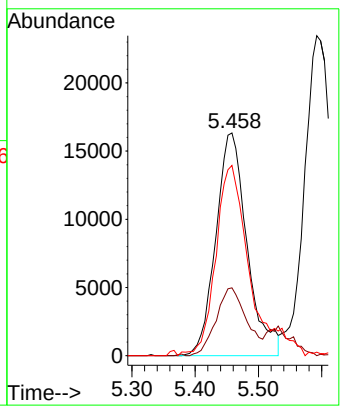


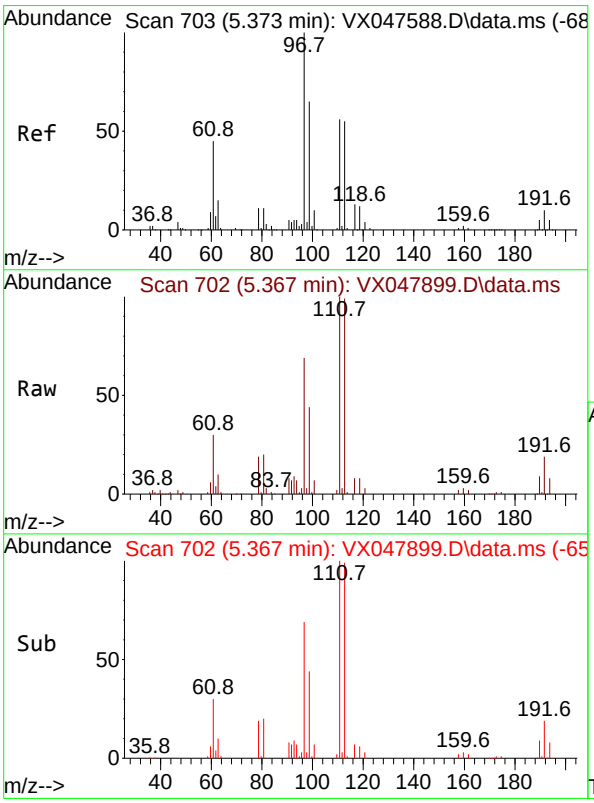
#31
Cyclohexane
Concen: 19.026 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 56 Resp: 56003

Ion	Ratio	Lower	Upper
56	100		
69	30.0	23.8	35.8
84	85.4	64.6	97.0

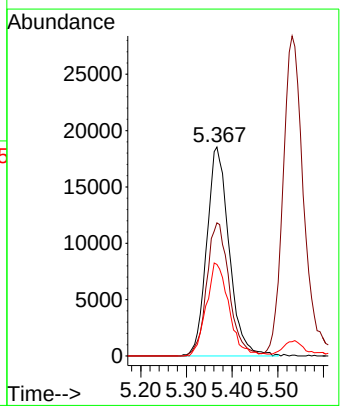


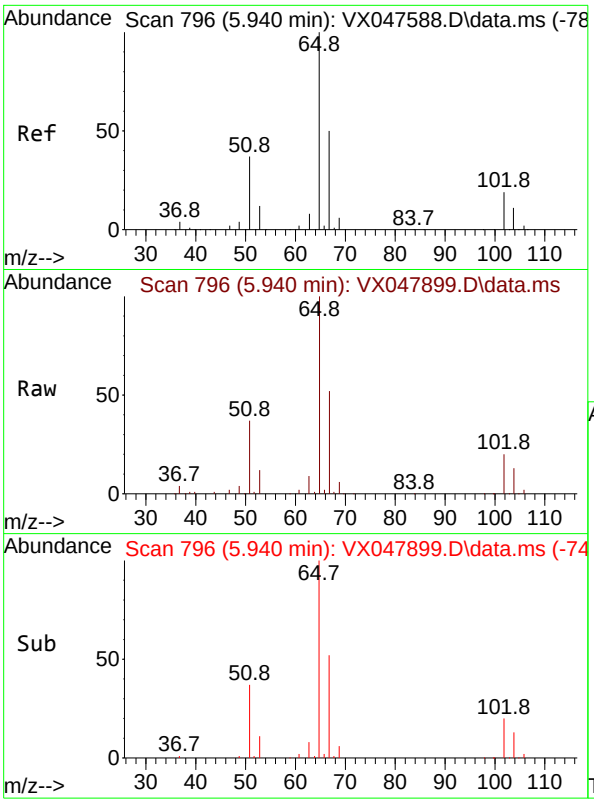


#32
1,1,1-Trichloroethane
Concen: 20.814 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 97 Resp: 63051

Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.6	76.0
61	45.3	35.8	53.8



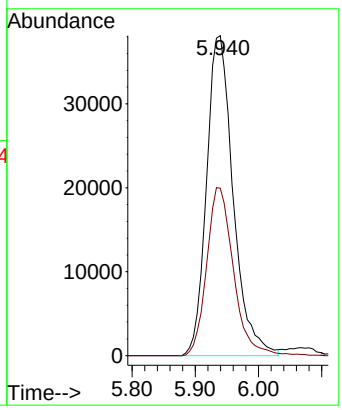


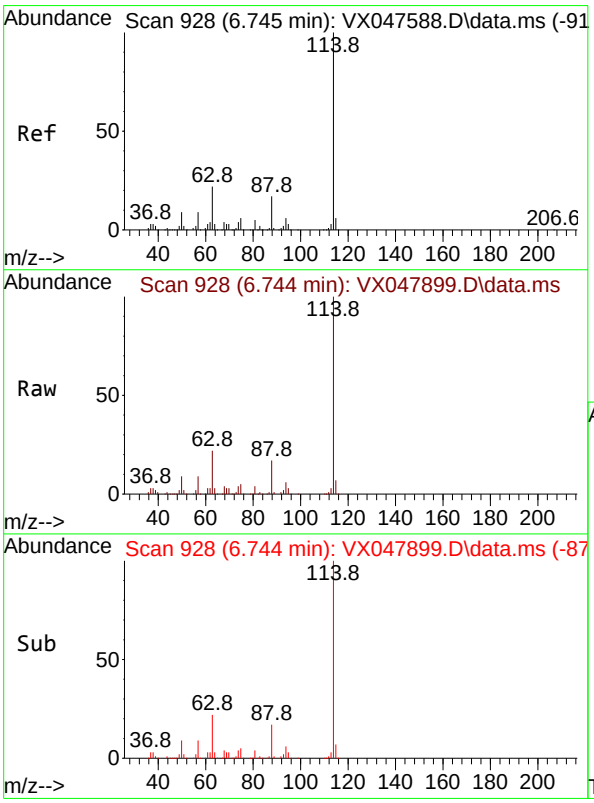
#33
1,2-Dichloroethane-d4
Concen: 50.035 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 65 Resp: 111456

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	103.0

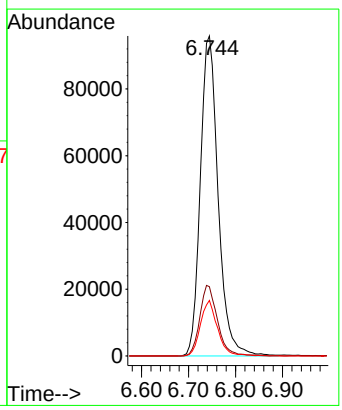


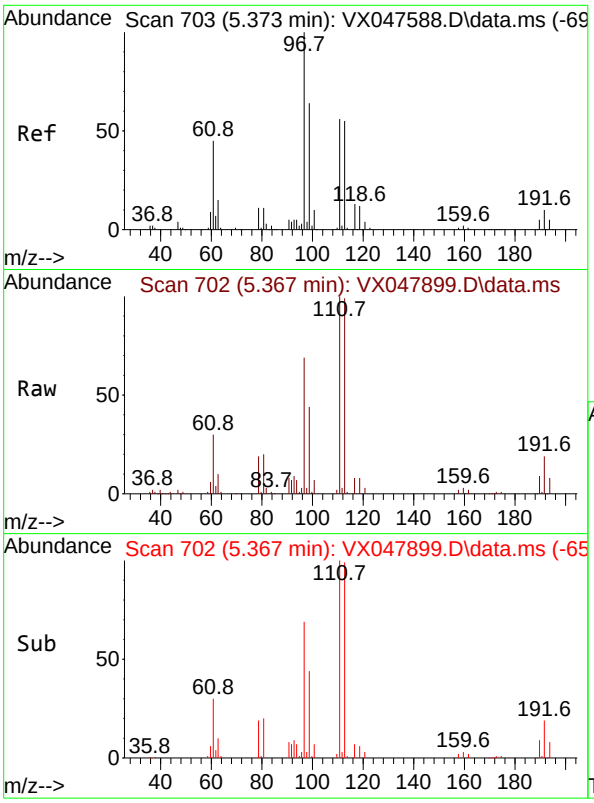


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.744 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:114 Resp: 252162

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	44.0
88	17.3	0.0	34.2



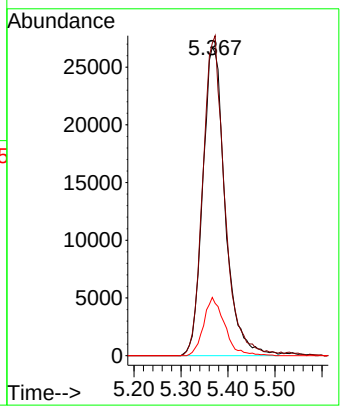


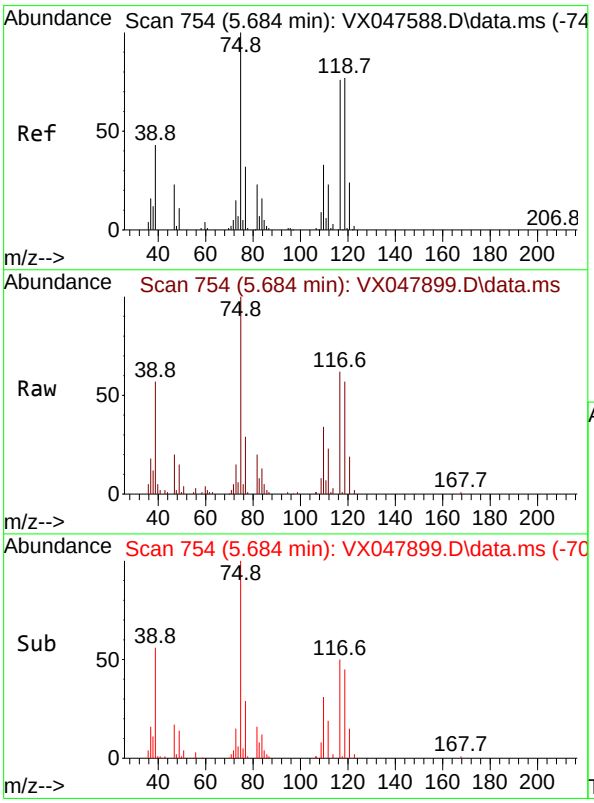
#35
Dibromofluoromethane
Concen: 52.144 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:113 Resp: 88183

Ion	Ratio	Lower	Upper
113	100		
111	101.5	80.9	121.3
192	17.9	14.2	21.4

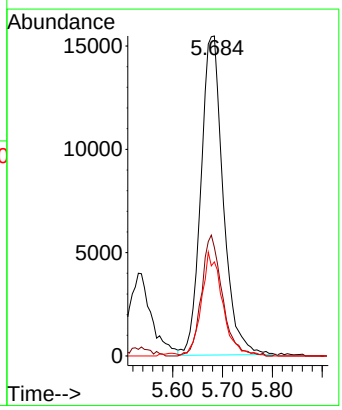


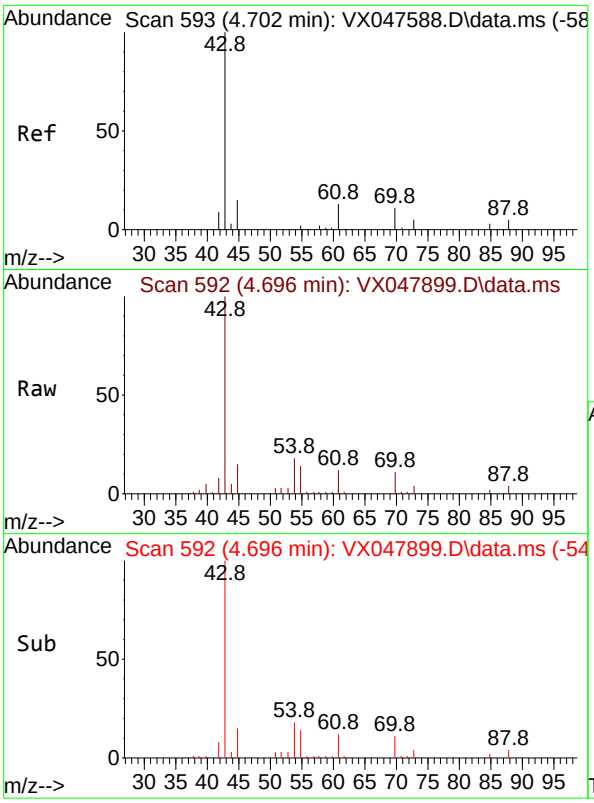


#36
1,1-Dichloropropene
Concen: 19.374 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 75 Resp: 47877

Ion	Ratio	Lower	Upper
75	100		
110	35.5	16.7	50.1
77	30.8	24.3	36.5



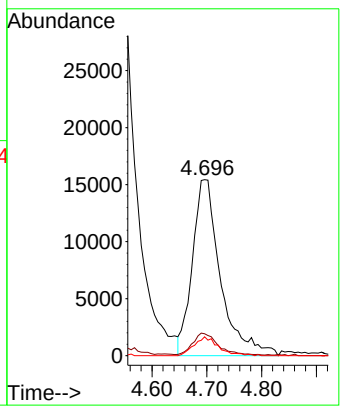


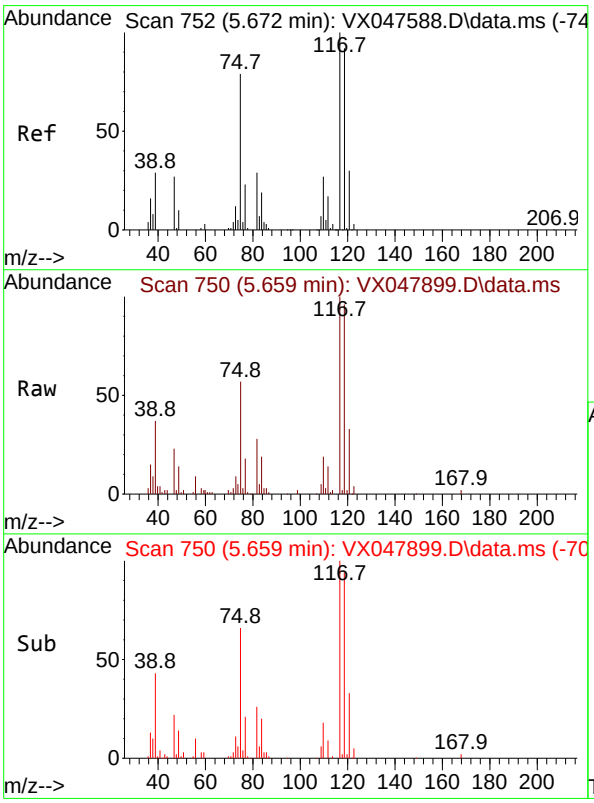
#37
Ethyl Acetate
Concen: 20.797 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 43 Resp: 55026

Ion	Ratio	Lower	Upper
43	100		
61	11.1	9.8	14.8
70	9.3	7.9	11.9

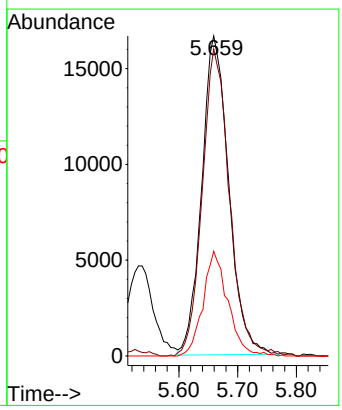


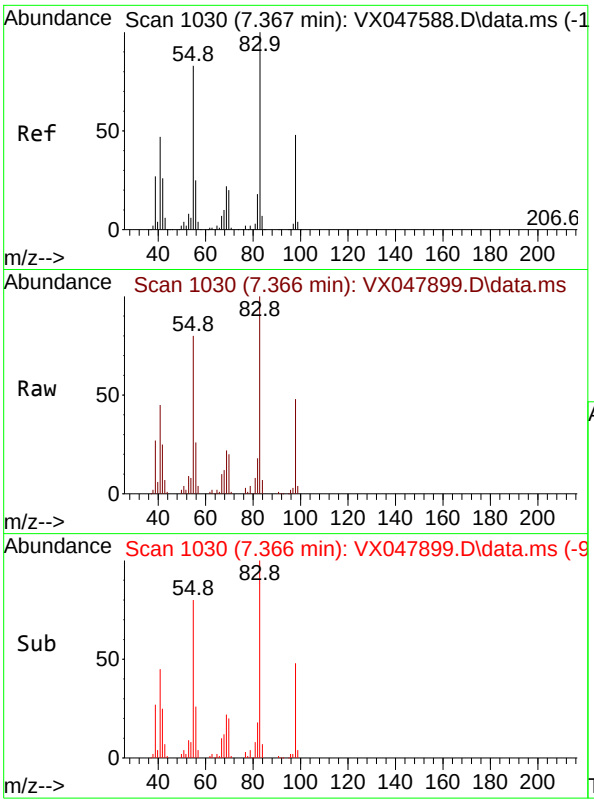


#38
Carbon Tetrachloride
Concen: 19.800 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.013 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:117 Resp: 53161

Ion	Ratio	Lower	Upper
117	100		
119	95.4	73.4	110.2
121	32.9	23.8	35.6



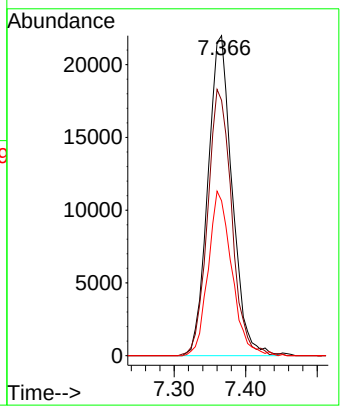


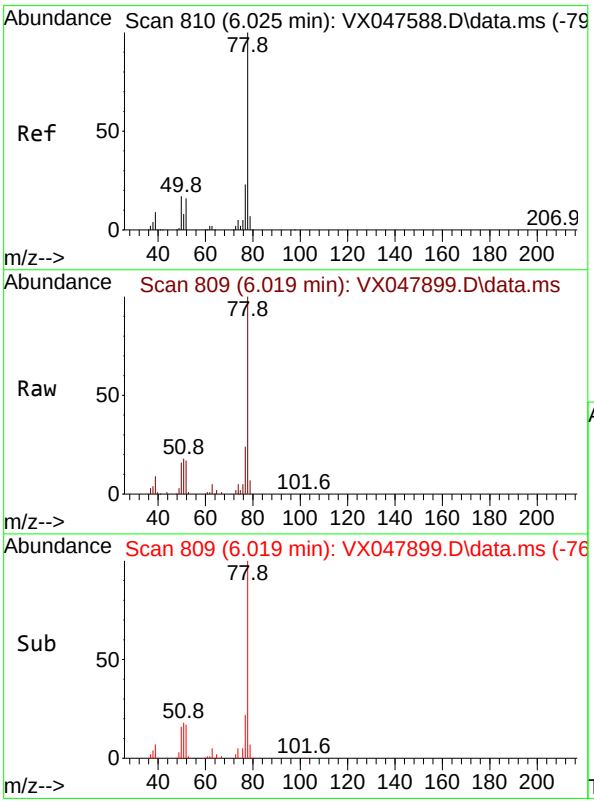
#39
Methylcyclohexane
Concen: 18.466 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 83 Resp: 51798

Ion	Ratio	Lower	Upper
83	100		
55	79.8	66.4	99.6
98	48.4	38.1	57.1

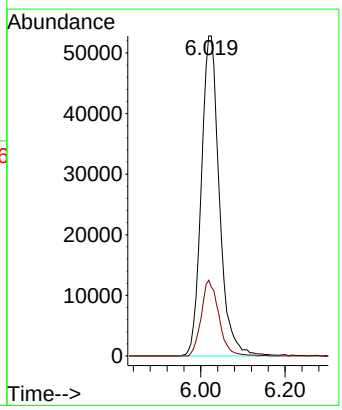


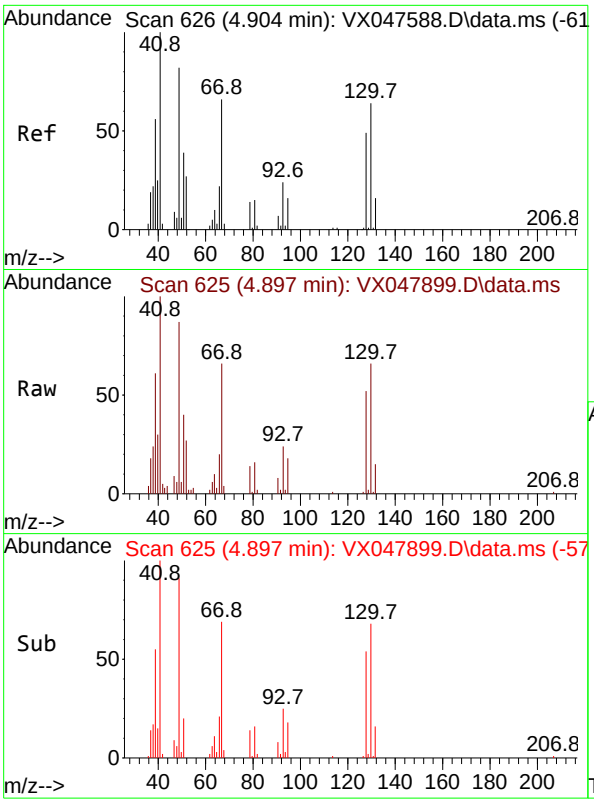


#40
Benzene
Concen: 20.917 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 78 Resp: 156993

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2



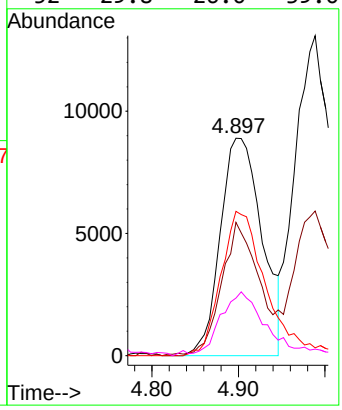


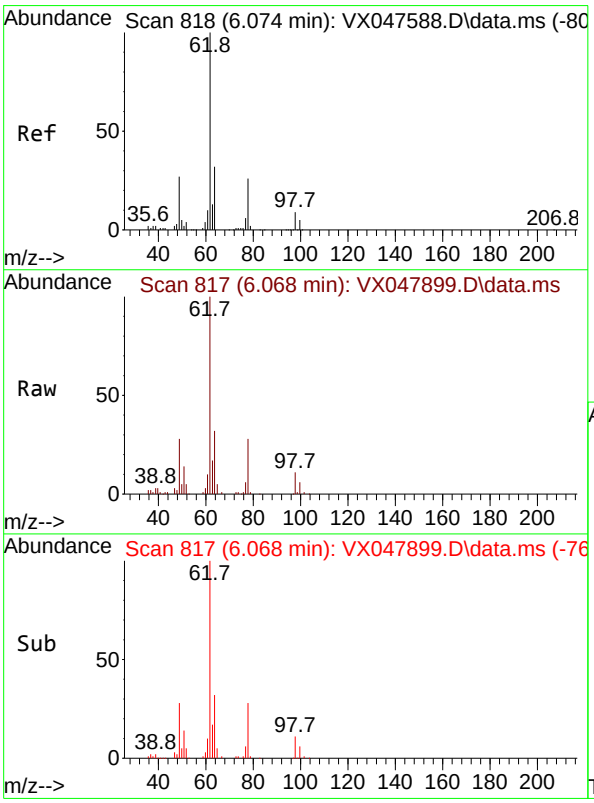
#41
Methacrylonitrile
Concen: 21.873 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 41 Resp: 29878

Ion	Ratio	Lower	Upper
41	100		
39	53.7	43.3	64.9
67	72.3	58.6	87.8
52	29.8	26.0	39.0

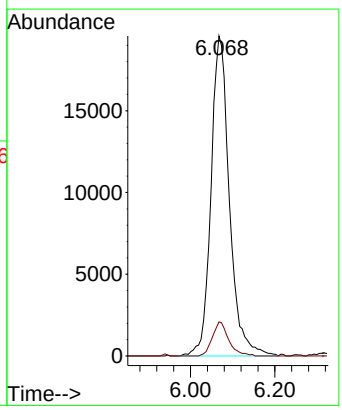


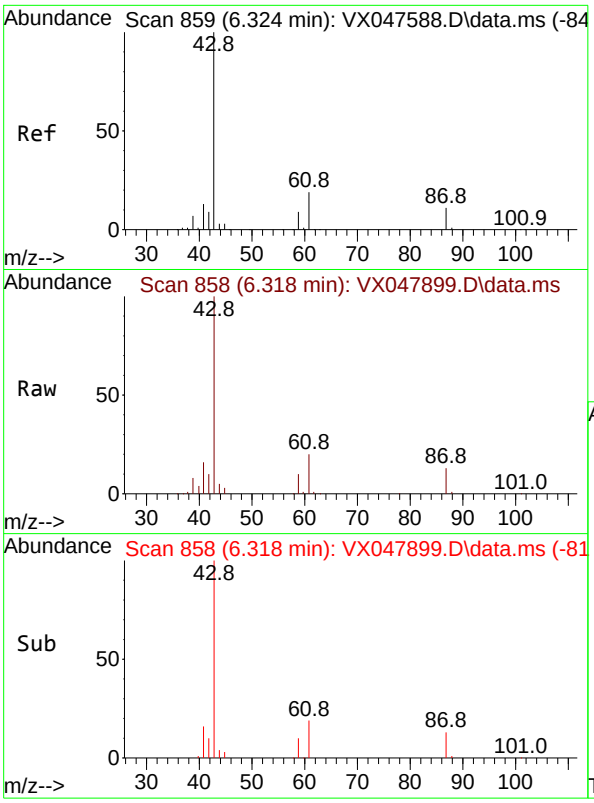


#42
1,2-Dichloroethane
Concen: 20.756 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 62 Resp: 59274

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	17.0



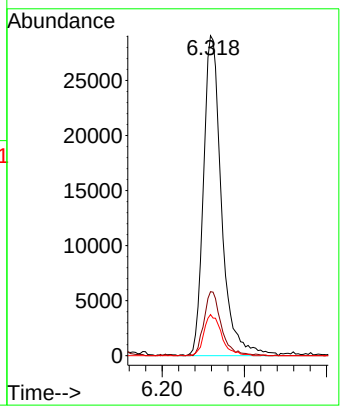


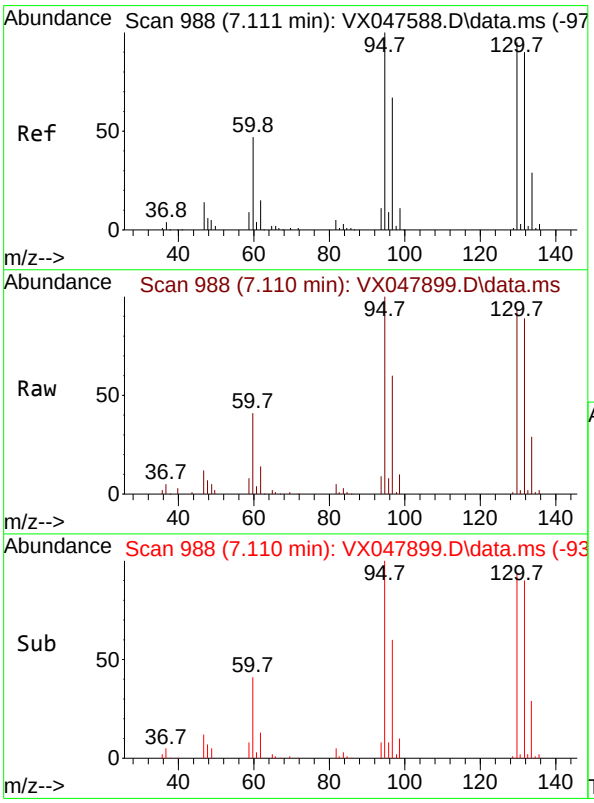
#43
Isopropyl Acetate
Concen: 20.358 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 43 Resp: 88344

Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.2	22.8
87	12.6	9.6	14.4

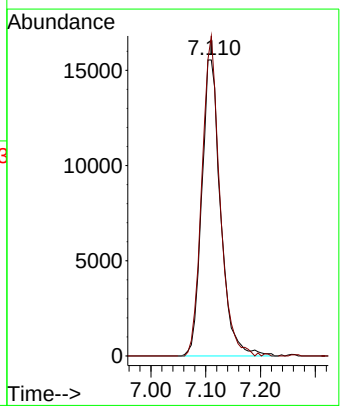


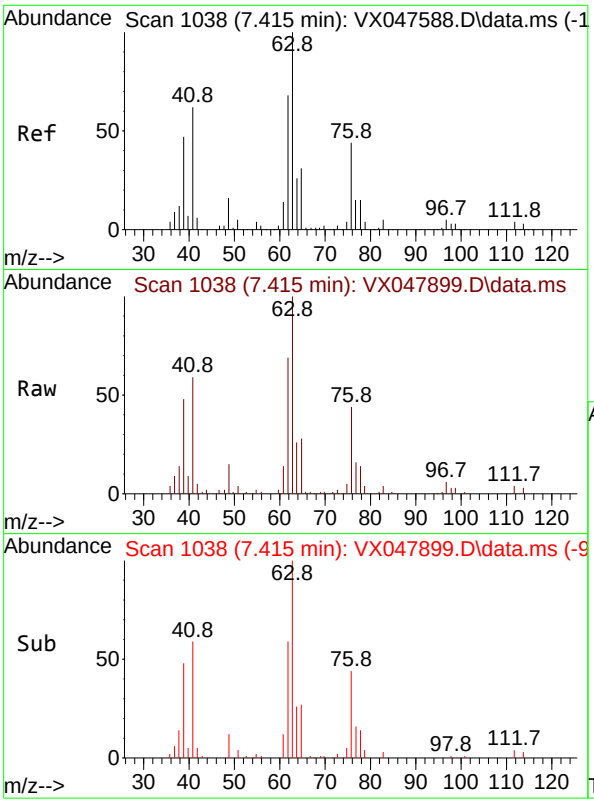


#44
Trichloroethene
Concen: 20.459 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:130 Resp: 37124

Ion	Ratio	Lower	Upper
130	100		
95	108.1	0.0	210.8



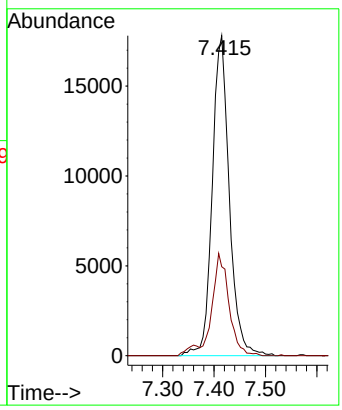


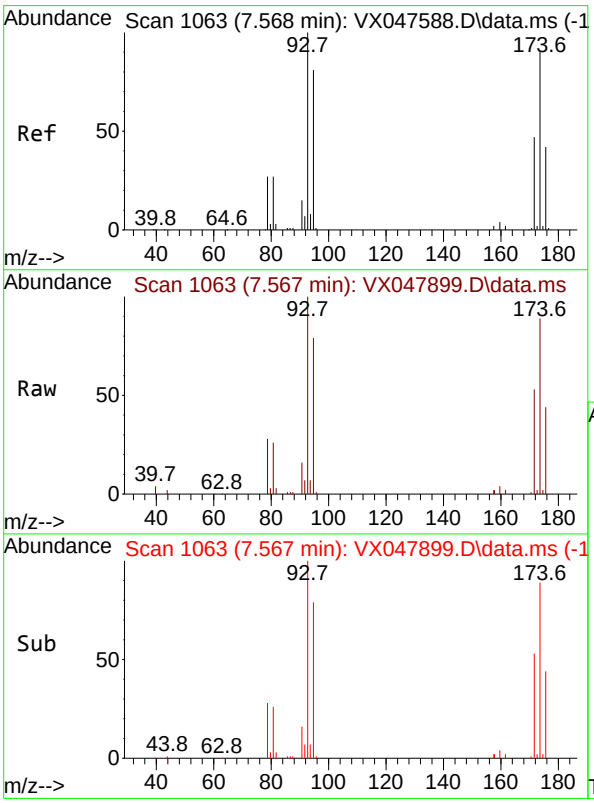
#45
1,2-Dichloropropane
Concen: 21.336 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 63 Resp: 41005

Ion	Ratio	Lower	Upper
63	100		
65	27.8	24.7	37.1

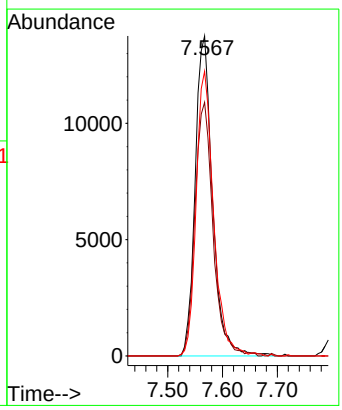


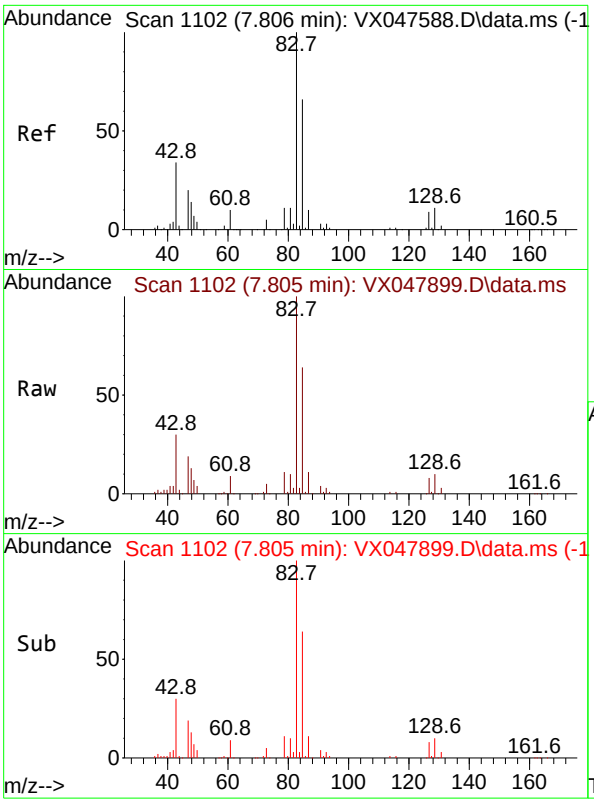


#46
Dibromomethane
Concen: 21.661 ug/l
RT: 7.567 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 93 Resp: 30294

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.0	97.6
174	89.2	71.6	107.4



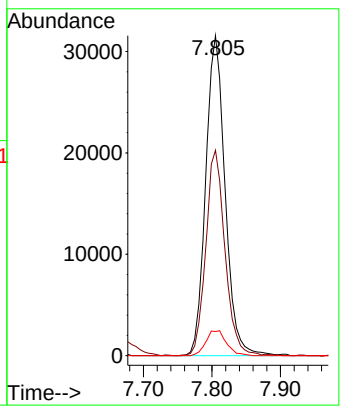


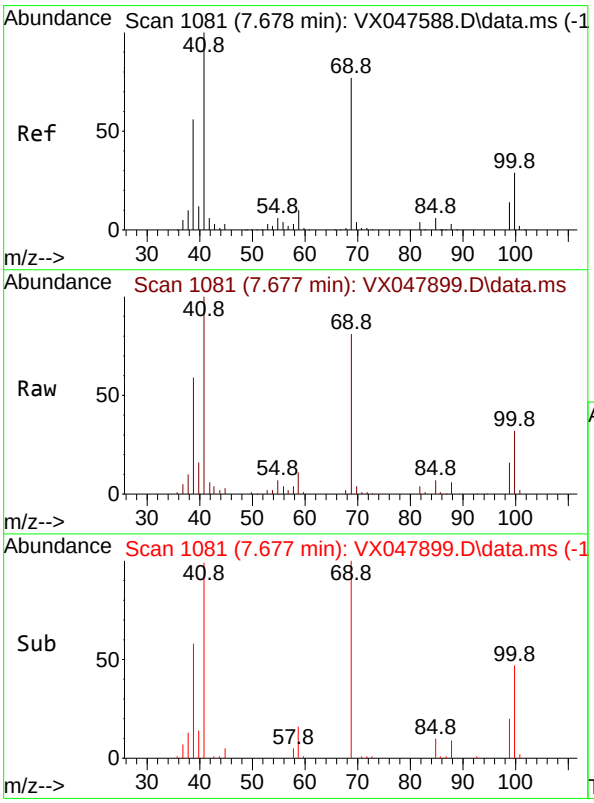
#47
Bromodichloromethane
Concen: 21.510 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 83 Resp: 62078

Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.5	78.7
127	8.5	6.9	10.3

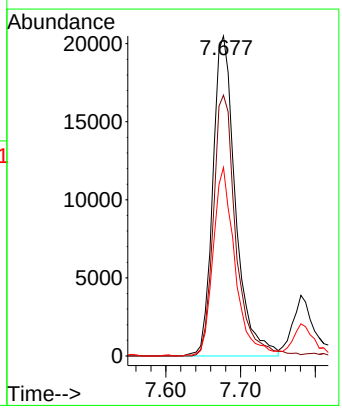


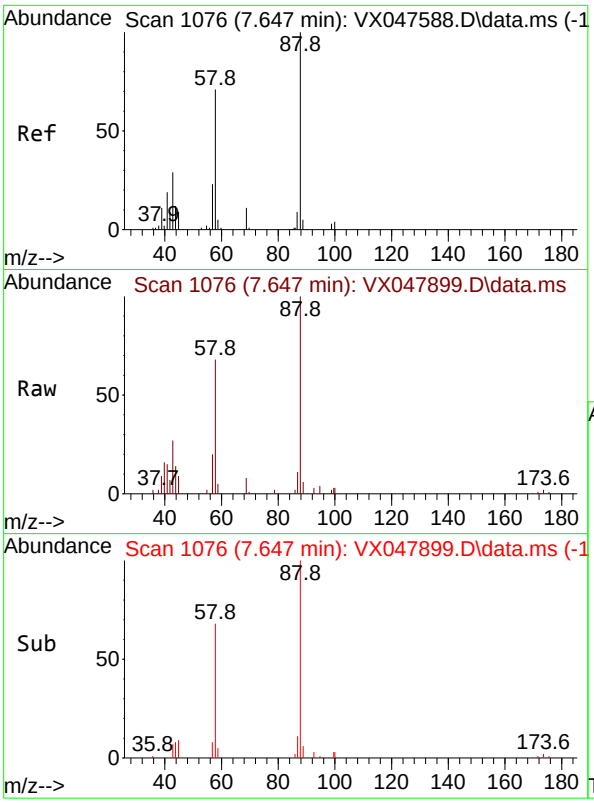


#48
Methyl methacrylate
Concen: 19.998 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 41 Resp: 43226

Ion	Ratio	Lower	Upper
41	100		
69	80.6	61.4	92.2
39	56.9	45.8	68.6



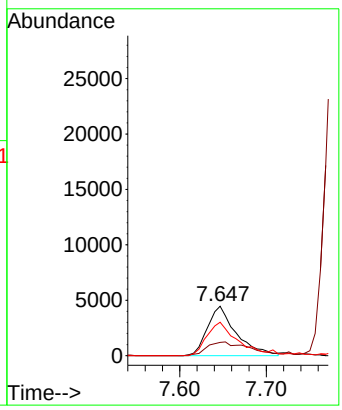


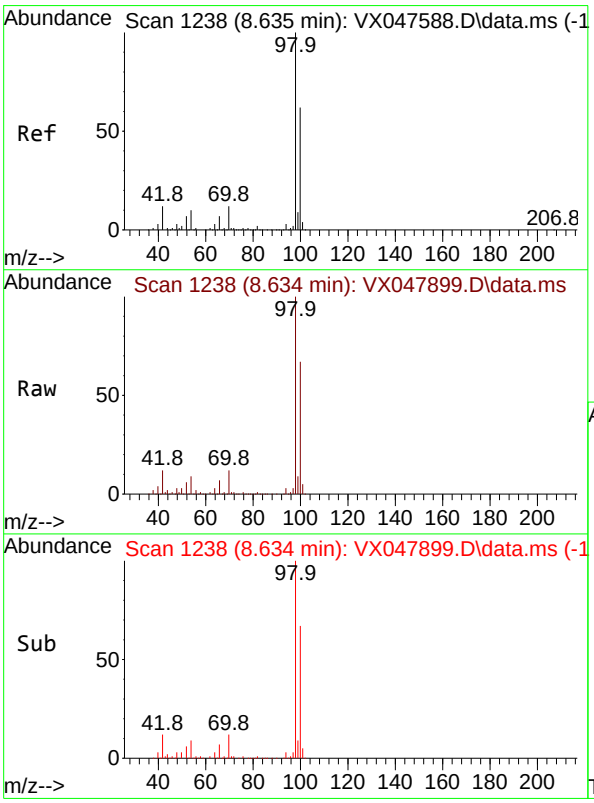
#49
1,4-Dioxane
Concen: 471.195 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 88 Resp: 10293

Ion	Ratio	Lower	Upper
88	100		
43	41.0	30.2	45.2
58	73.3	59.5	89.3

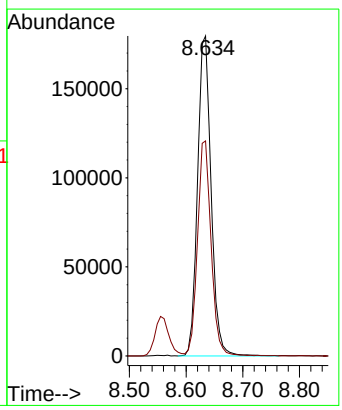


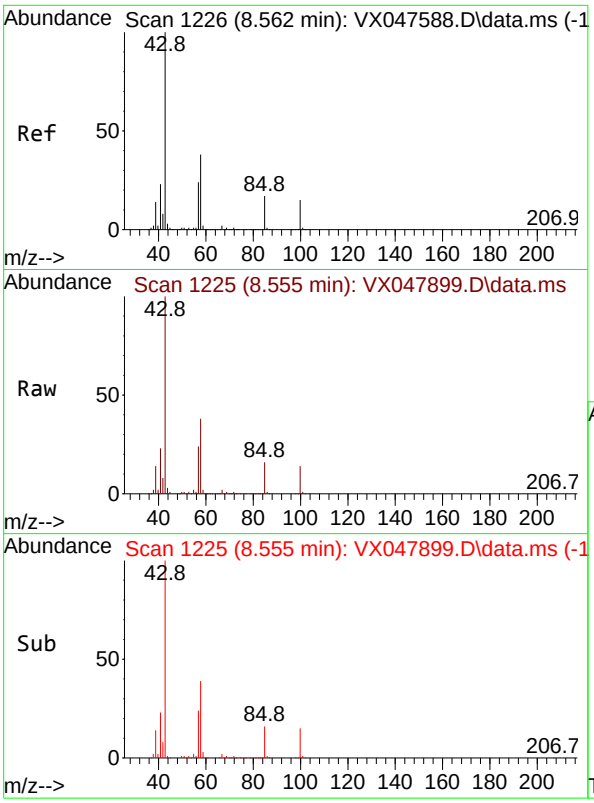


#50
Toluene-d8
Concen: 50.968 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 98 Resp: 298245

Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.0	79.4



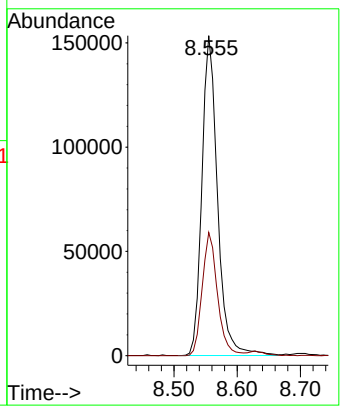


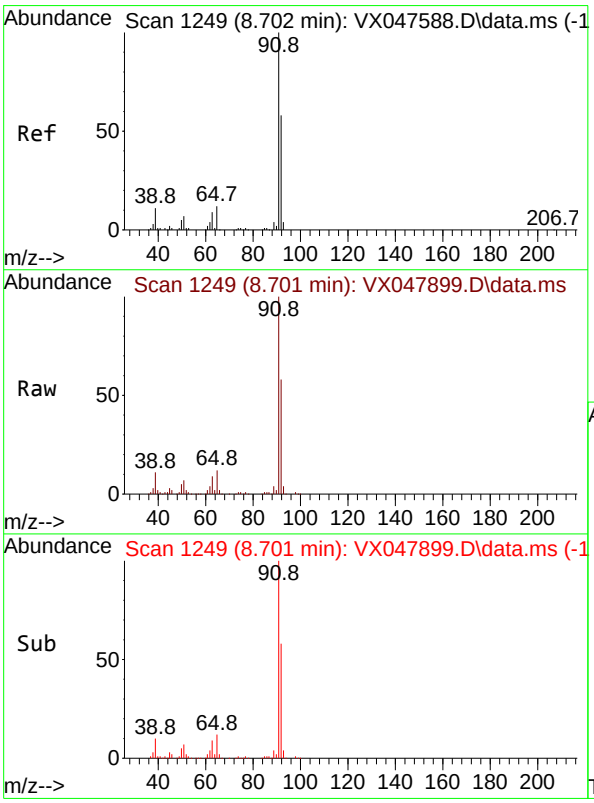
#51
4-Methyl-2-Pentanone
Concen: 109.932 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 43 Resp: 264493

Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.3	45.5

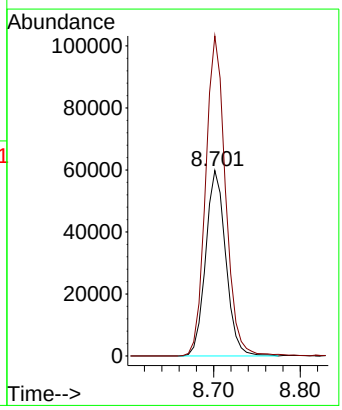


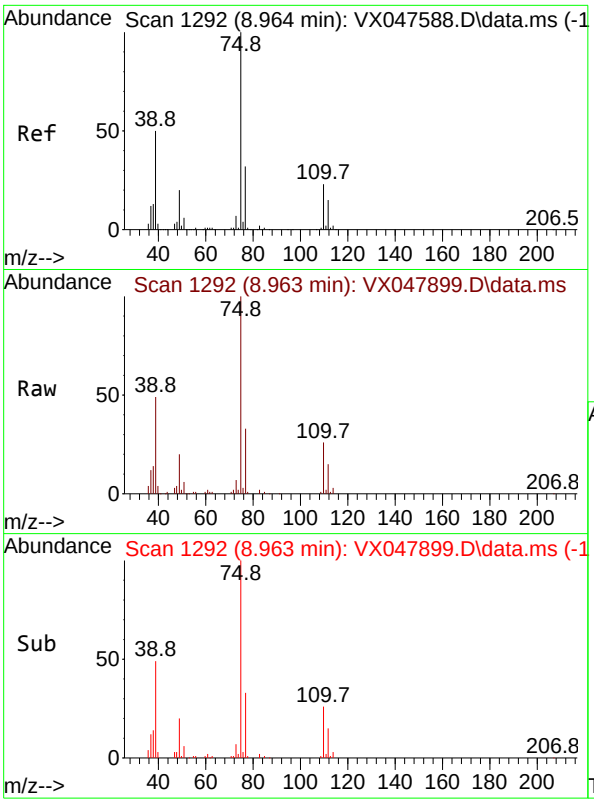


#52
Toluene
Concen: 20.855 ug/l
RT: 8.701 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 92 Resp: 96436

Ion	Ratio	Lower	Upper
92	100		
91	171.2	137.1	205.7



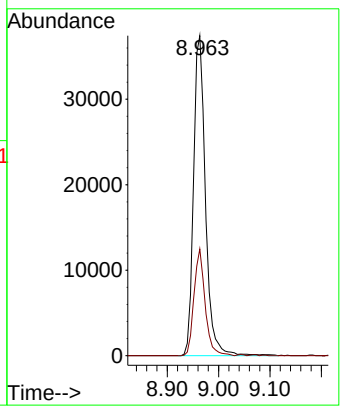


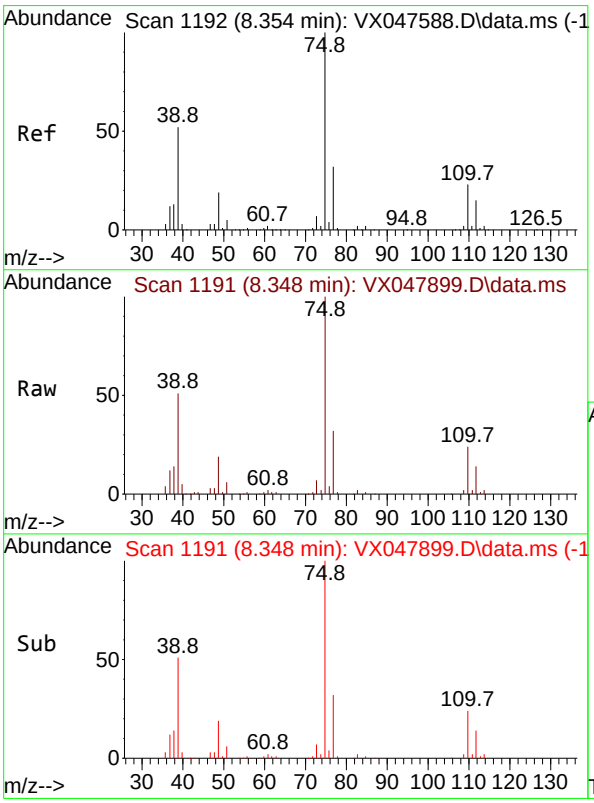
#53
t-1,3-Dichloropropene
Concen: 20.559 ug/l
RT: 8.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 75 Resp: 60522

Ion	Ratio	Lower	Upper
75	100		
77	33.3	25.4	38.2

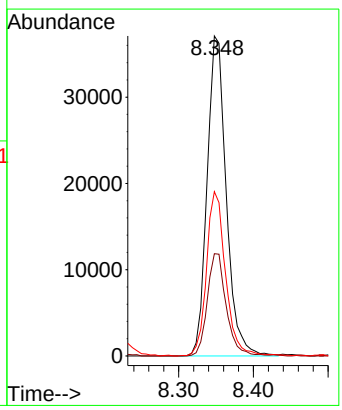


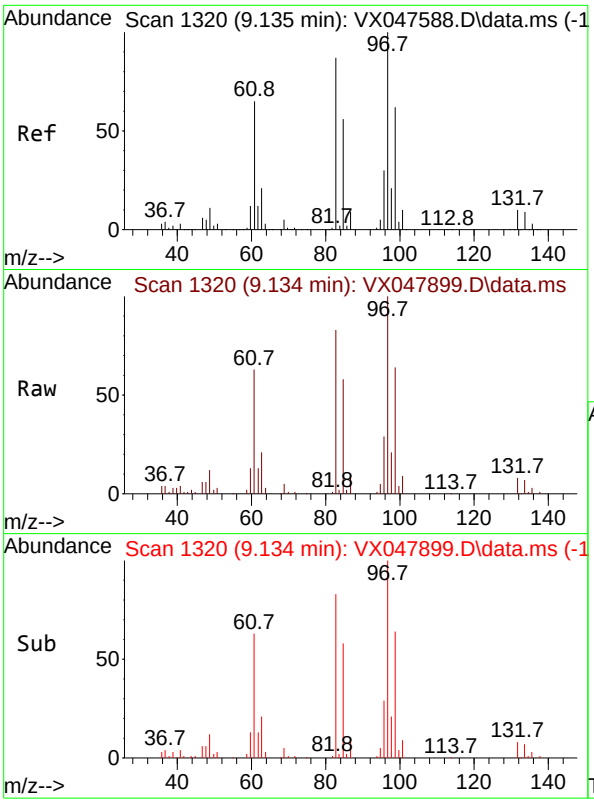


#54
cis-1,3-Dichloropropene
Concen: 20.996 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 75 Resp: 66061

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.8	38.6
39	51.3	41.4	62.2



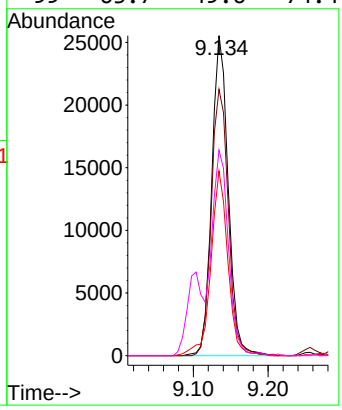


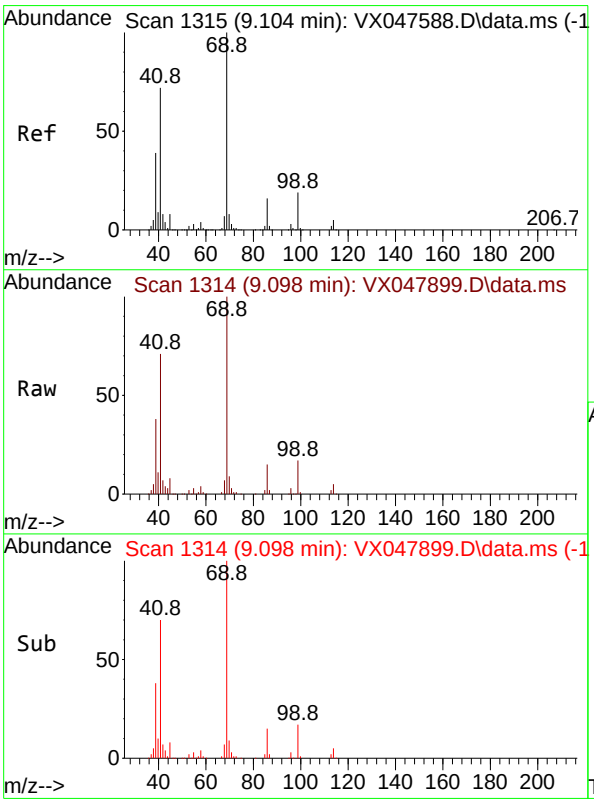
#55
1,1,2-Trichloroethane
Concen: 21.896 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 97 Resp: 39041

Ion	Ratio	Lower	Upper
97	100		
83	84.9	69.6	104.4
85	59.5	45.0	67.6
99	63.7	49.6	74.4

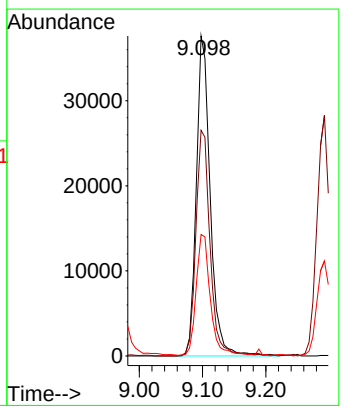


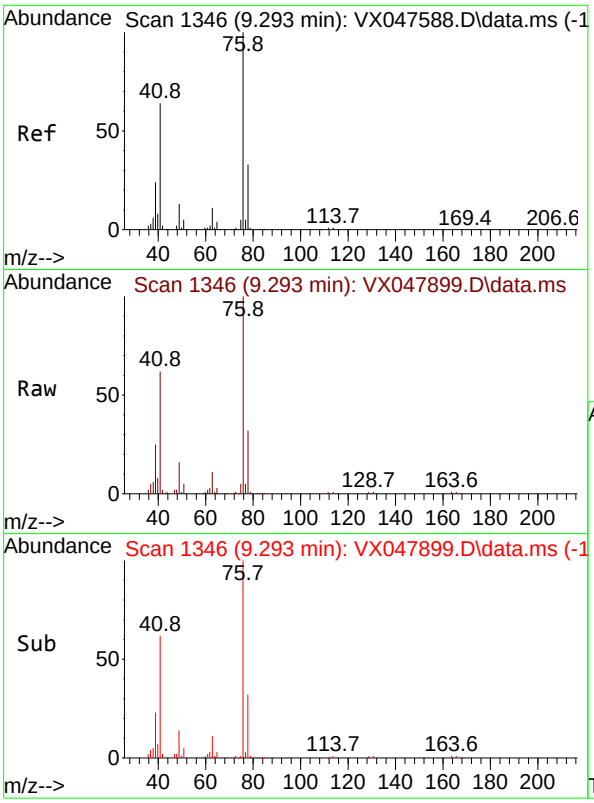


#56
Ethyl methacrylate
Concen: 20.558 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 69 Resp: 57568

Ion	Ratio	Lower	Upper
69	100		
41	72.2	58.6	87.8
39	39.1	31.5	47.3



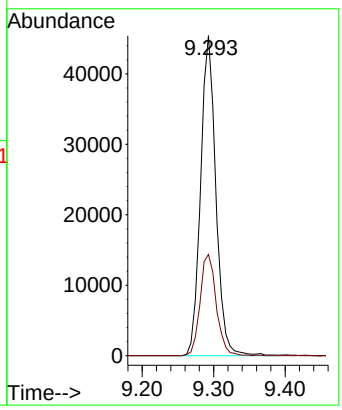


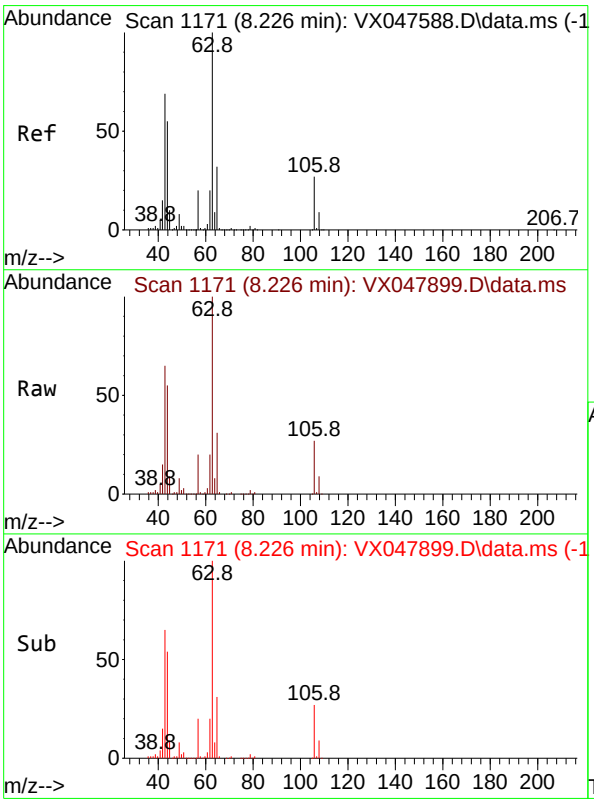
#57
1,3-Dichloropropane
Concen: 21.973 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 76 Resp: 67303

Ion	Ratio	Lower	Upper
76	100		
78	33.4	26.2	39.4

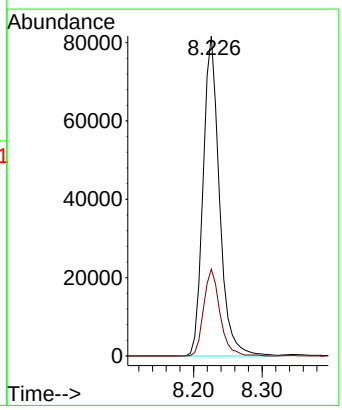


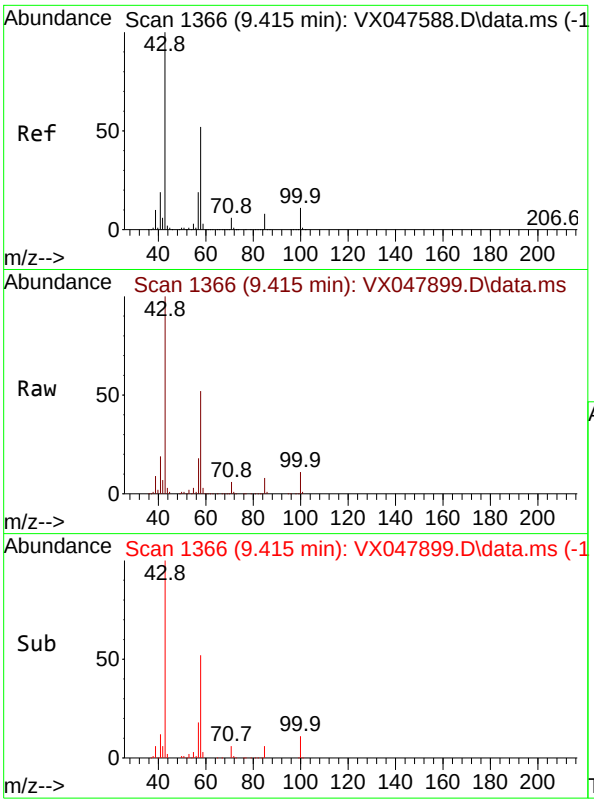


#58
2-Chloroethyl Vinyl ether
Concen: 108.246 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 63 Resp: 135613

Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.9	32.9



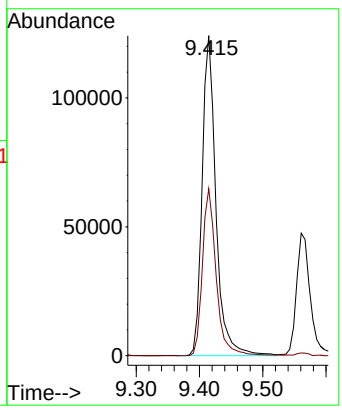


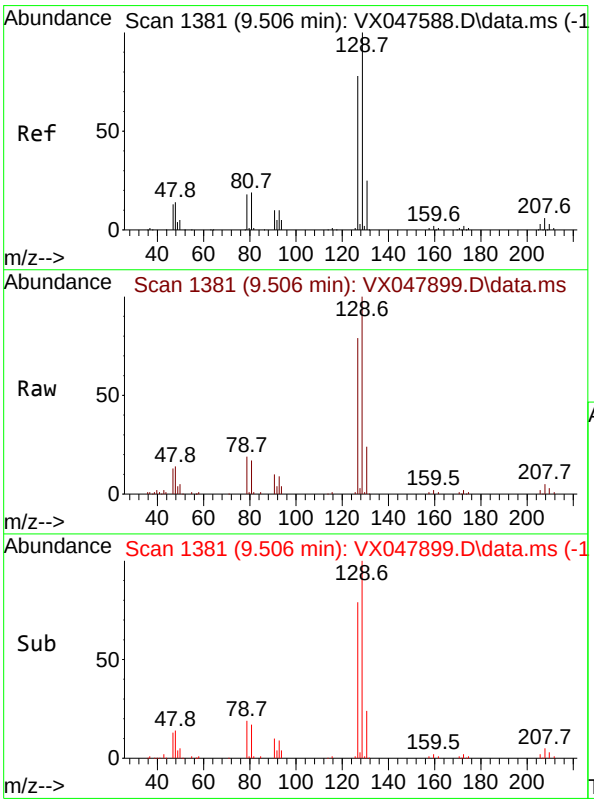
#59
2-Hexanone
Concen: 109.286 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 43 Resp: 188844

Ion	Ratio	Lower	Upper
43	100		
58	52.1	26.1	78.2

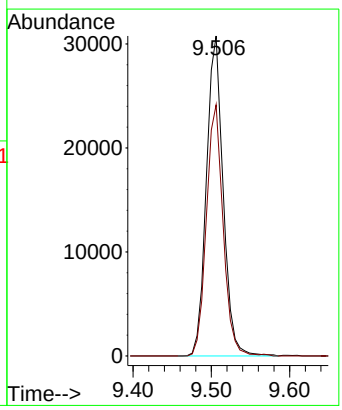


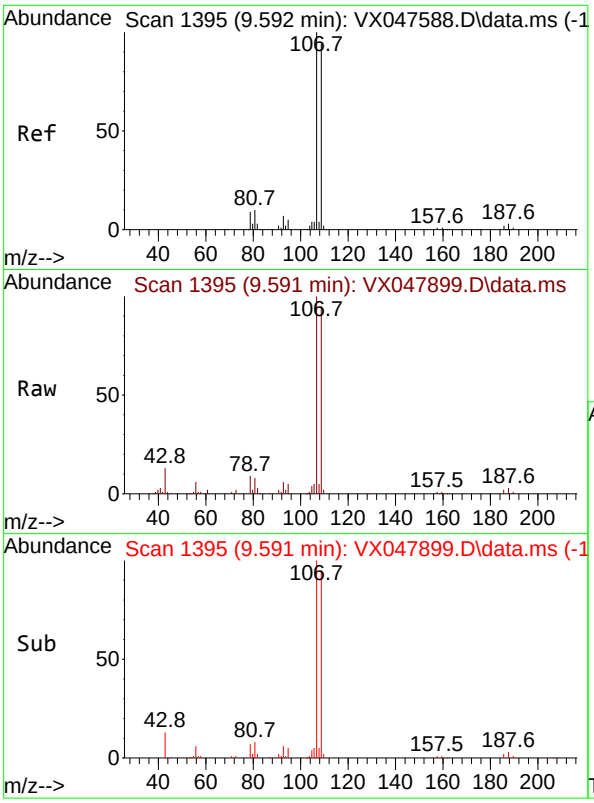


#60
Dibromochloromethane
Concen: 22.171 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:129 Resp: 45550

Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.4	115.2



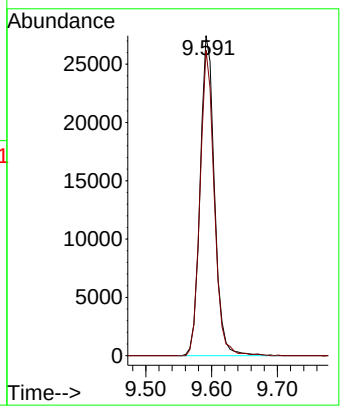


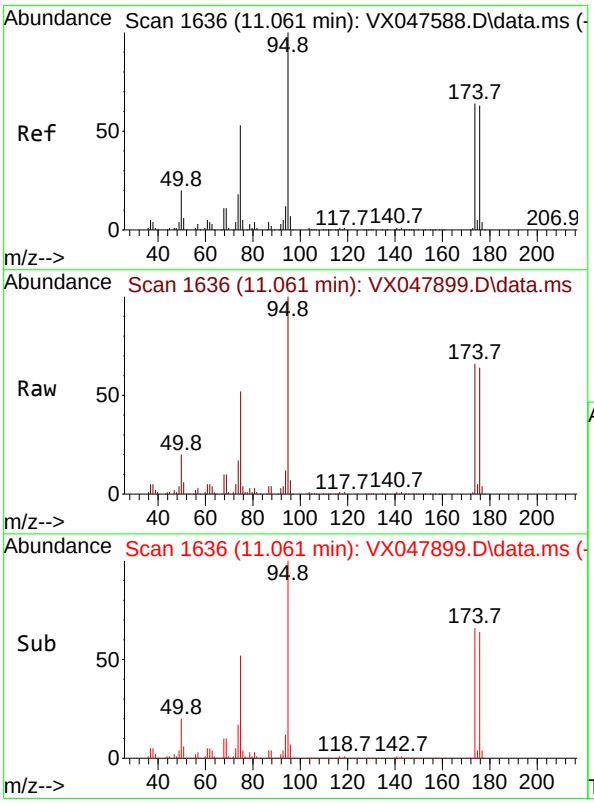
#61
1,2-Dibromoethane
Concen: 22.828 ug/l
RT: 9.591 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:107 Resp: 41458

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.3	112.9

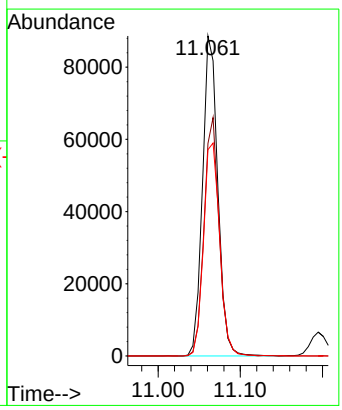


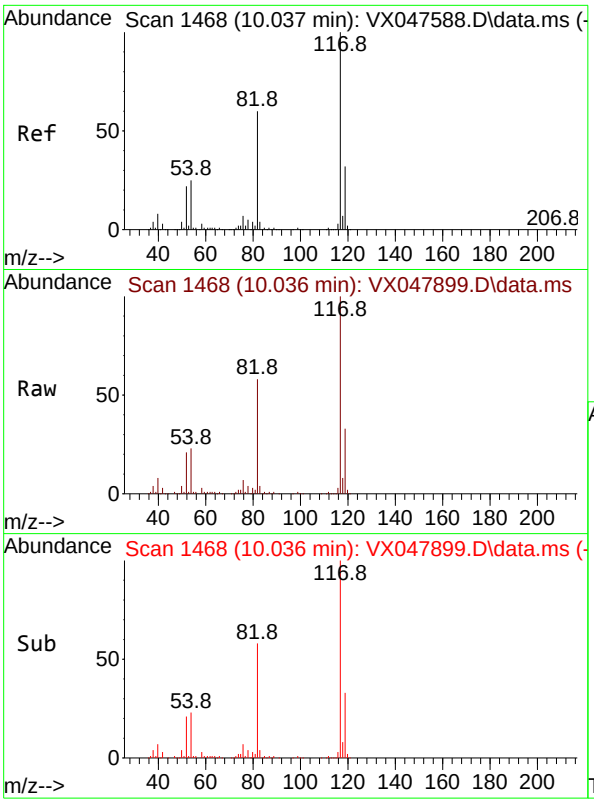


#62
4-Bromofluorobenzene
Concen: 51.645 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 95 Resp: 114694

Ion	Ratio	Lower	Upper
95	100		
174	73.5	0.0	141.6
176	70.5	0.0	138.4



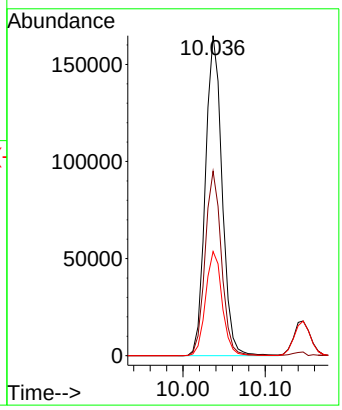


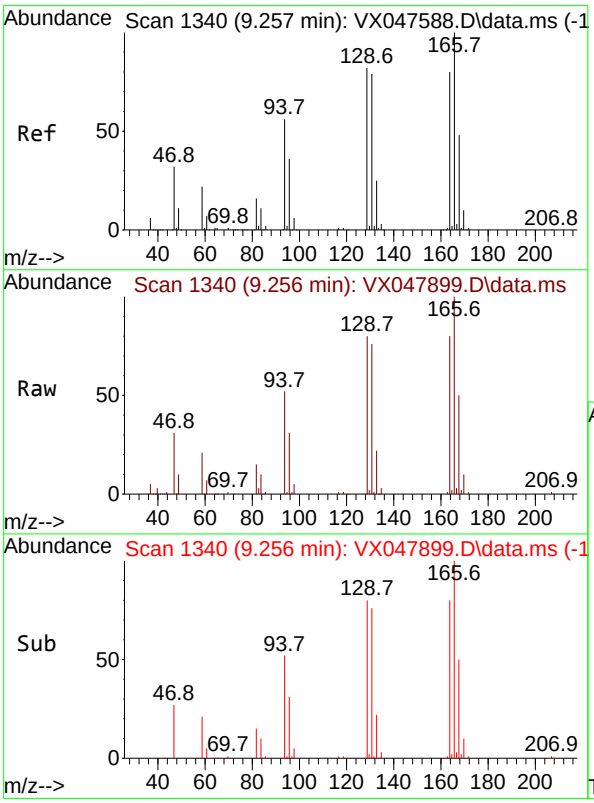
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.036 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:117 Resp: 231700

Ion	Ratio	Lower	Upper
117	100		
82	57.7	47.8	71.6
119	32.5	25.2	37.8

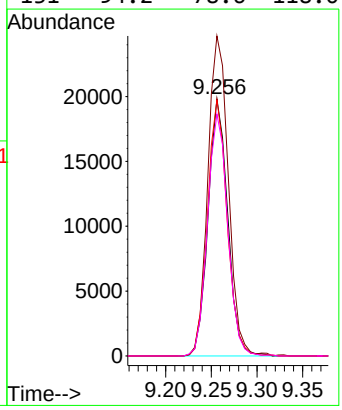


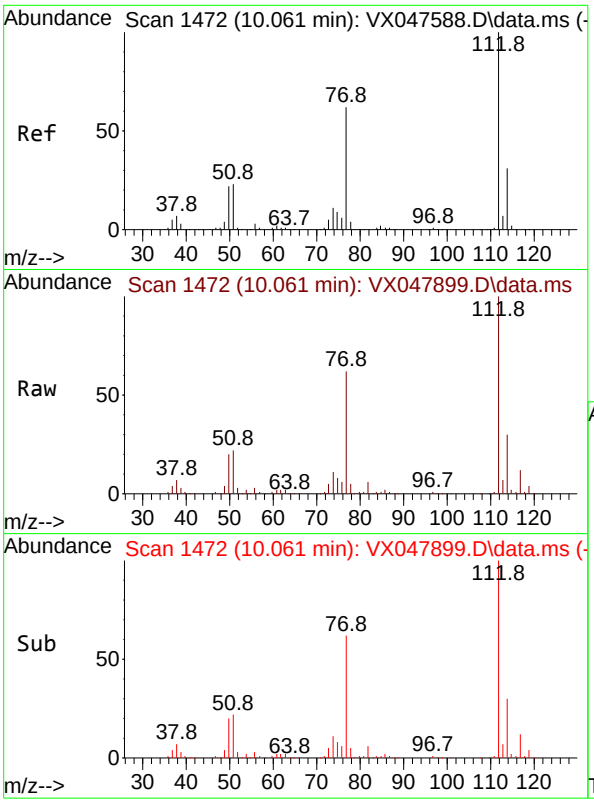


#64
Tetrachloroethene
Concen: 19.566 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:164 Resp: 29553

Ion	Ratio	Lower	Upper
164	100		
166	124.6	100.2	150.2
129	99.8	81.8	122.6
131	94.2	78.6	118.0



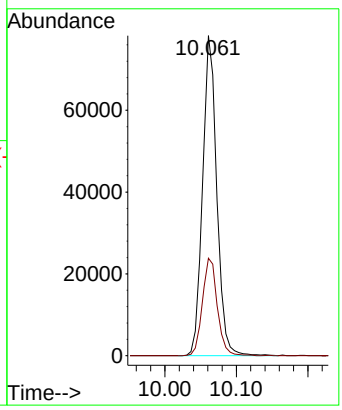


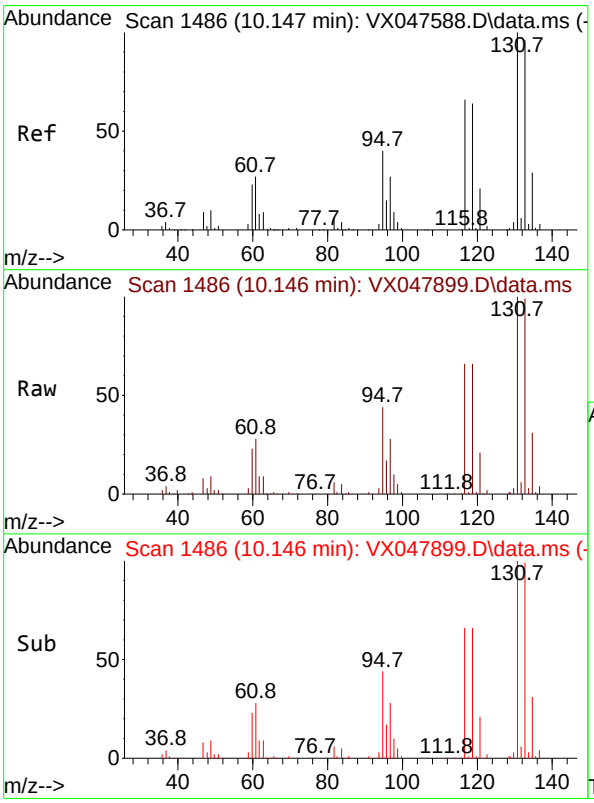
#65
Chlorobenzene
Concen: 20.495 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:112 Resp: 107879

Ion	Ratio	Lower	Upper
112	100		
114	30.5	25.1	37.7

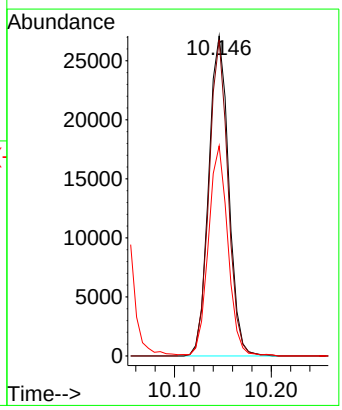


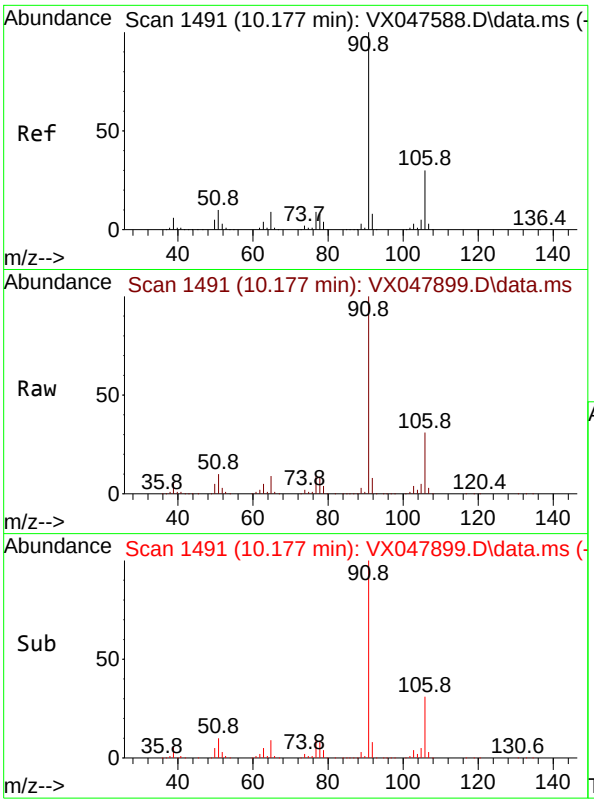


#66
1,1,1,2-Tetrachloroethane
Concen: 21.408 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:131 Resp: 38886

Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.3	142.0
119	64.3	32.0	96.0



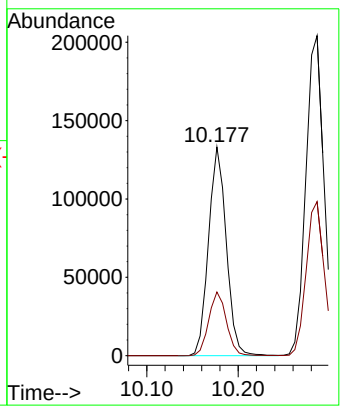


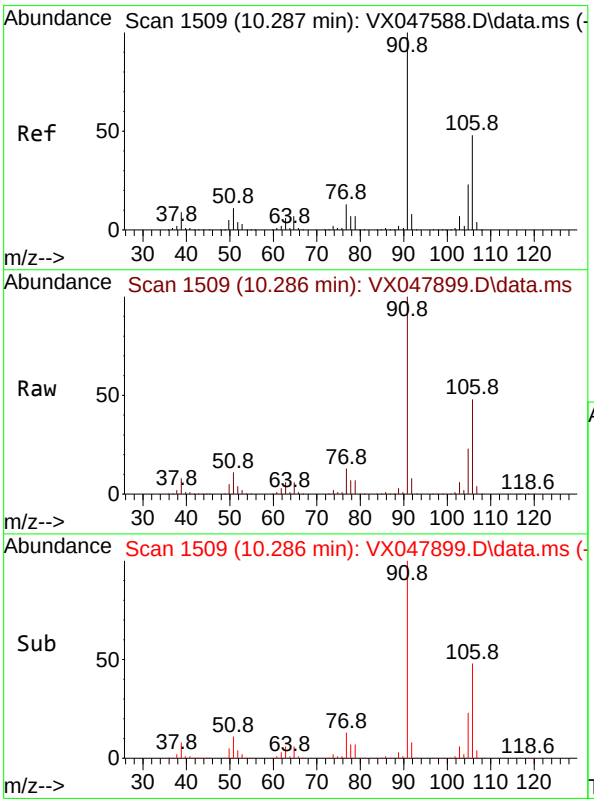
#67
Ethyl Benzene
Concen: 19.761 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 91 Resp: 179475

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.3	36.5

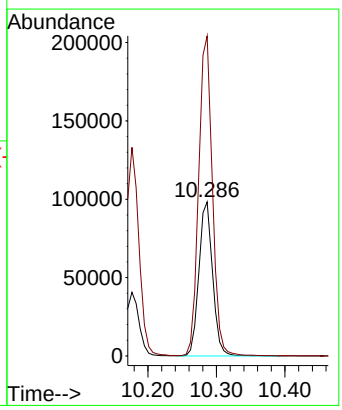


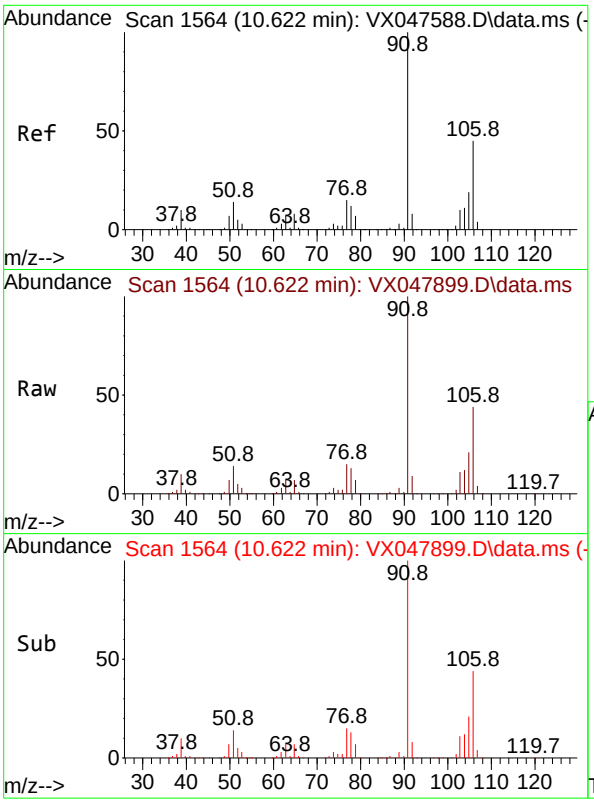


#68
m/p-Xylenes
Concen: 40.608 ug/l
RT: 10.286 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:106 Resp: 137274

Ion	Ratio	Lower	Upper
106	100		
91	207.8	167.8	251.8



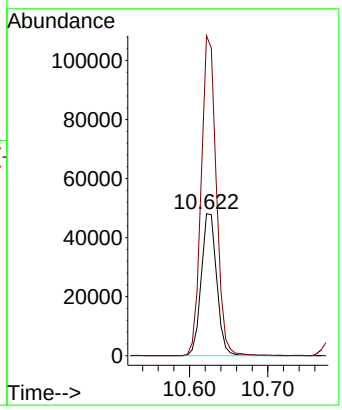


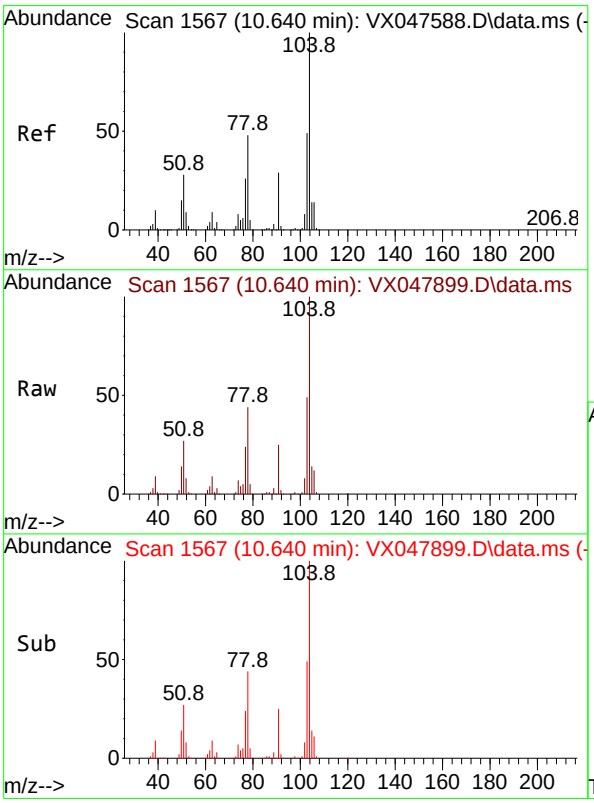
#69
o-Xylene
Concen: 20.178 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:106 Resp: 65978

Ion	Ratio	Lower	Upper
106	100		
91	219.9	111.1	333.4

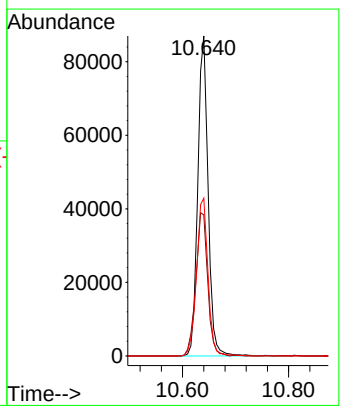


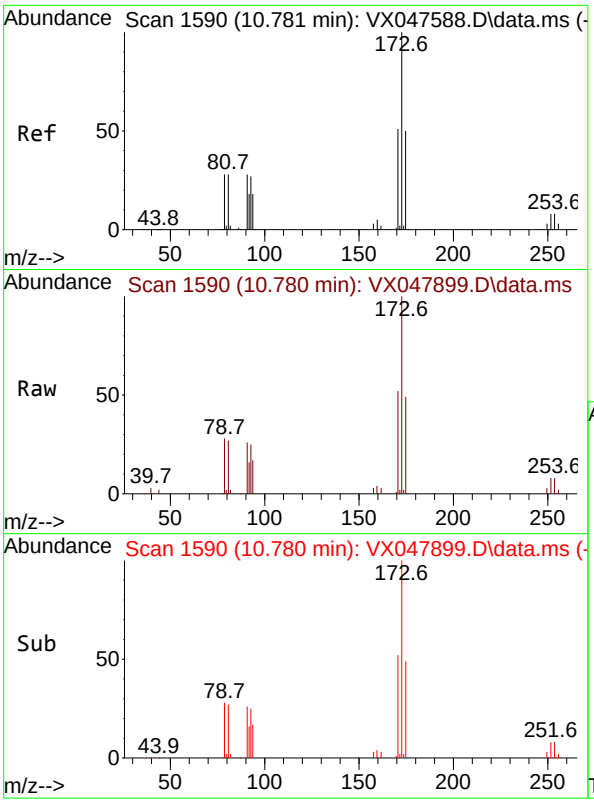


#70
Styrene
Concen: 20.470 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:104 Resp: 117279

Ion	Ratio	Lower	Upper
104	100		
78	51.4	43.1	64.7
103	54.7	43.1	64.7



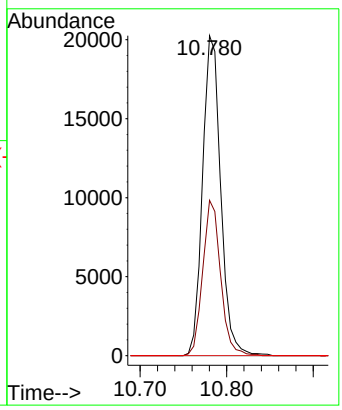


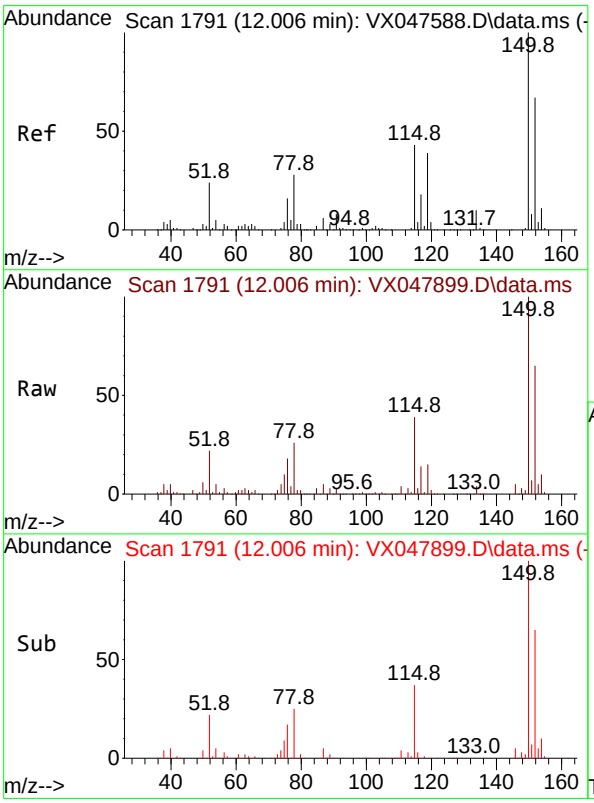
#71
Bromoform
Concen: 21.740 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:173 Resp: 29485

Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.9	74.6
254	0.0	0.1	0.1#

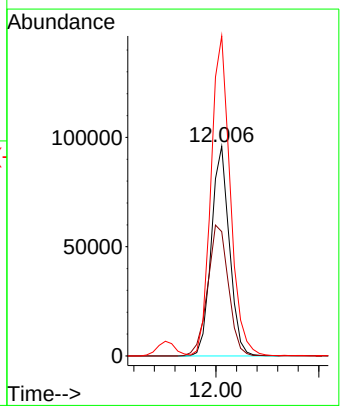


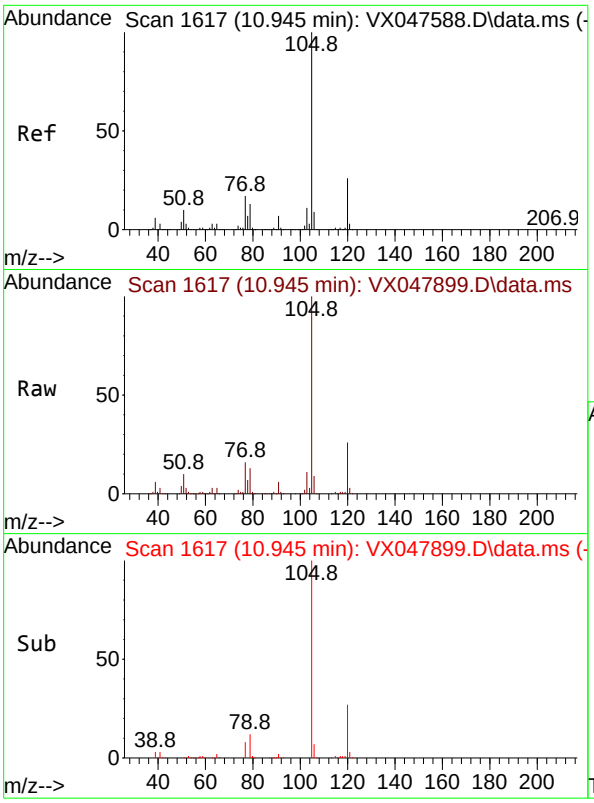


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:152 Resp: 116962

Ion	Ratio	Lower	Upper
152	100		
115	72.0	44.9	134.5
150	162.5	0.0	352.0



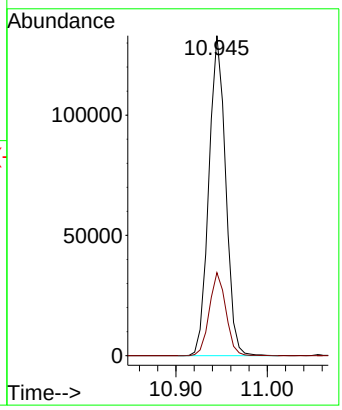


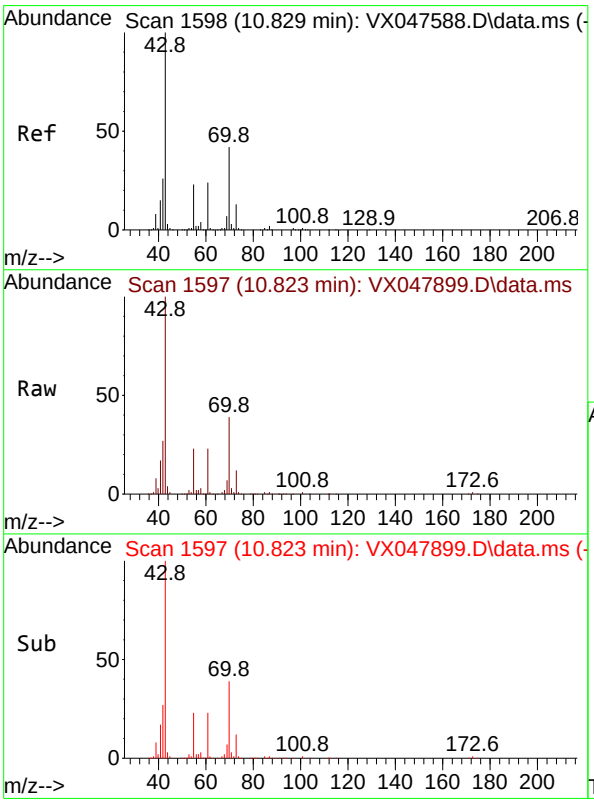
#73
Isopropylbenzene
Concen: 19.011 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:105 Resp: 169045

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4

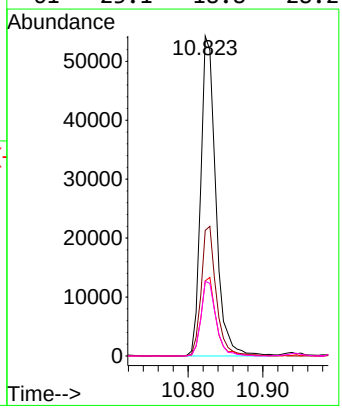


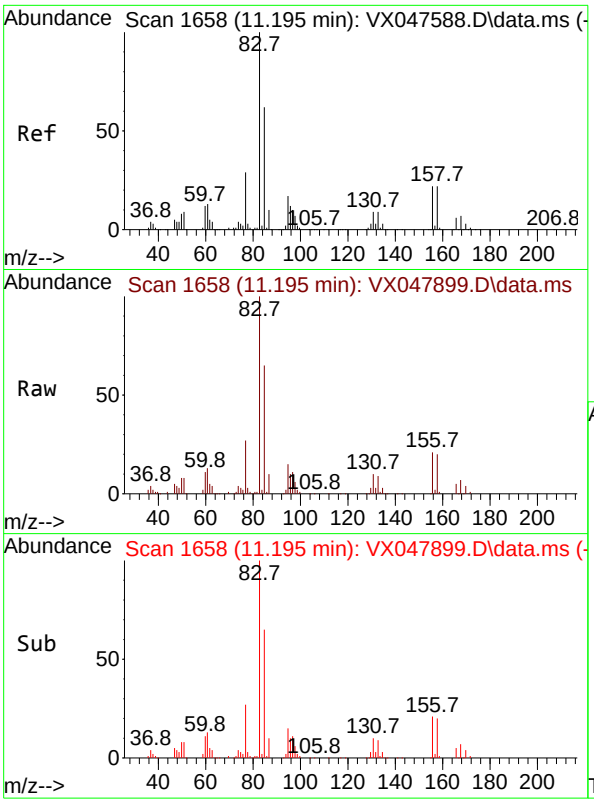


#74
N-amyl acetate
Concen: 18.720 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.007 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 43 Resp: 75908

Ion	Ratio	Lower	Upper
43	100		
70	40.5	32.0	48.0
55	24.2	18.9	28.3
61	23.1	18.8	28.2



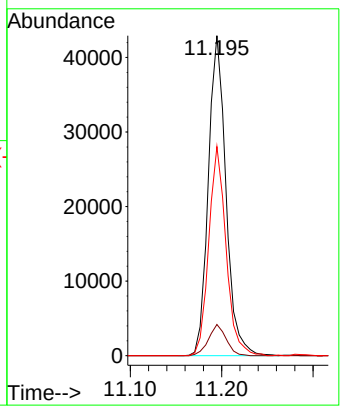


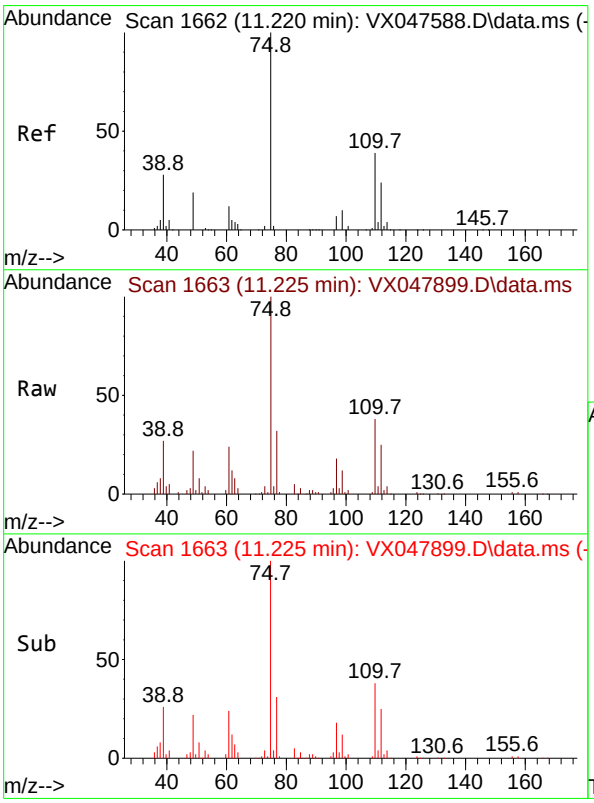
#75
1,1,2,2-Tetrachloroethane
Concen: 21.323 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 83 Resp: 57365

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	64.2	31.6	95.0

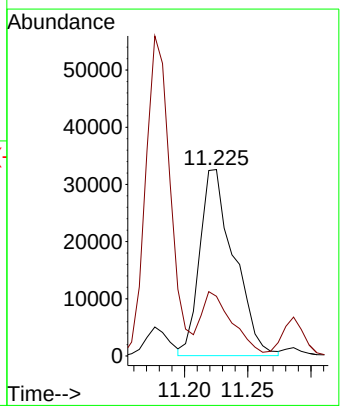


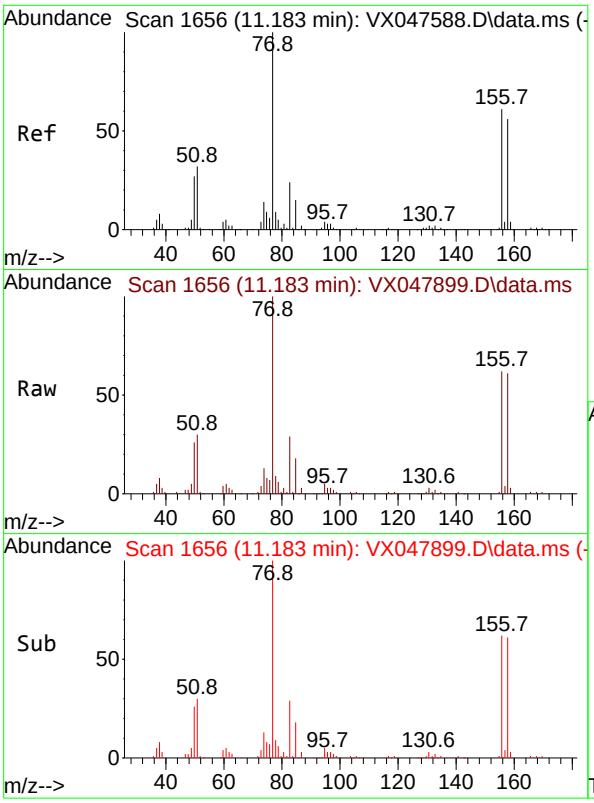


#76
1,2,3-Trichloropropane
Concen: 25.913 ug/l
RT: 11.225 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 75 Resp: 61365

Ion	Ratio	Lower	Upper
75	100		
77	30.9	18.8	56.4



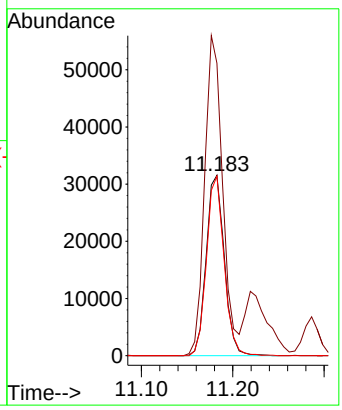


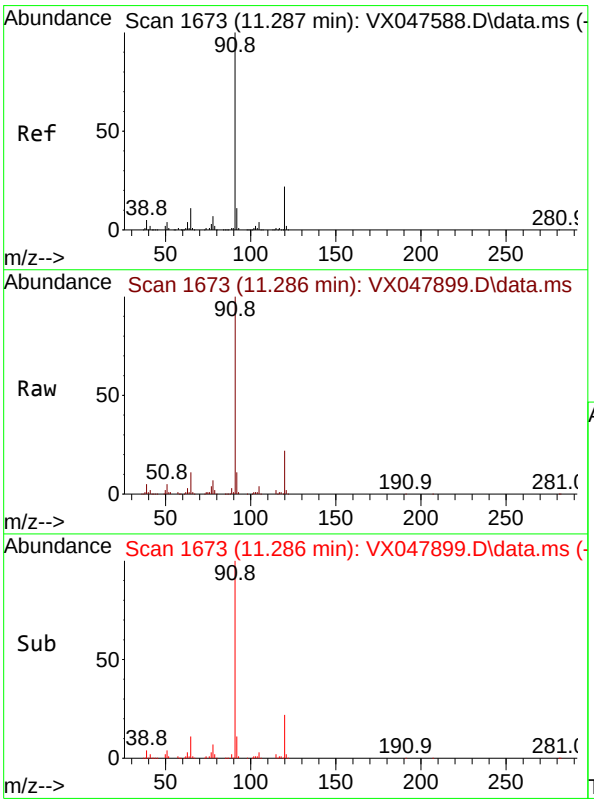
#77
Bromobenzene
Concen: 19.754 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:156 Resp: 43262

Ion	Ratio	Lower	Upper
156	100		
77	175.9	89.7	269.1
158	96.9	47.9	143.6

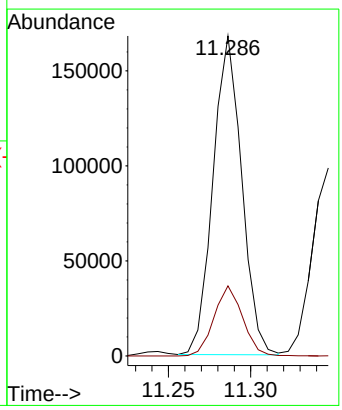


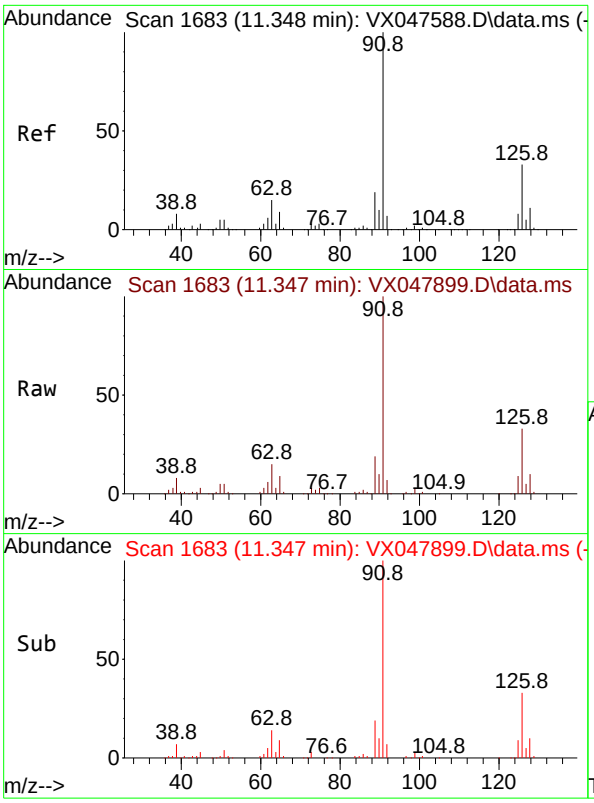


#78
n-propylbenzene
Concen: 19.346 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 91 Resp: 203358

Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.1	33.1



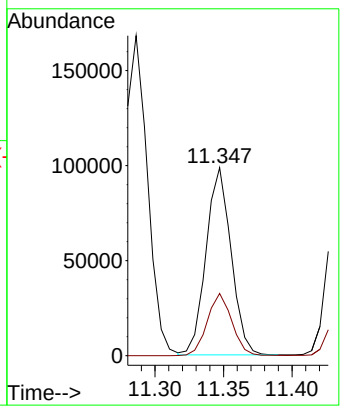


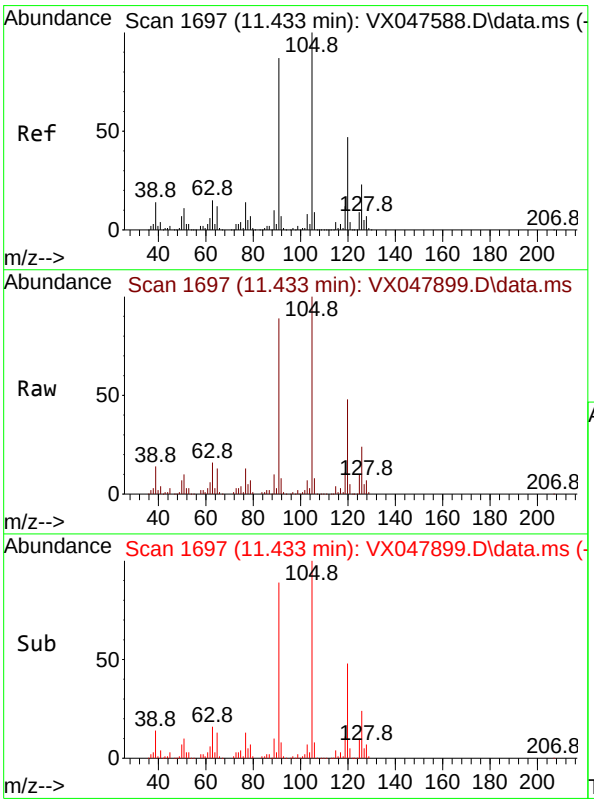
#79
2-Chlorotoluene
Concen: 19.454 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 91 Resp: 125246

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3

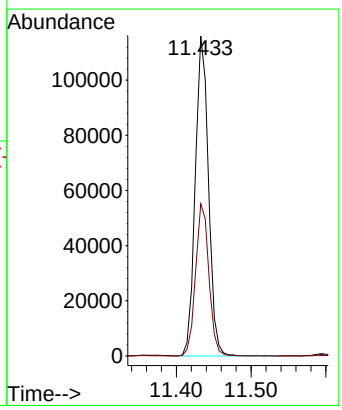


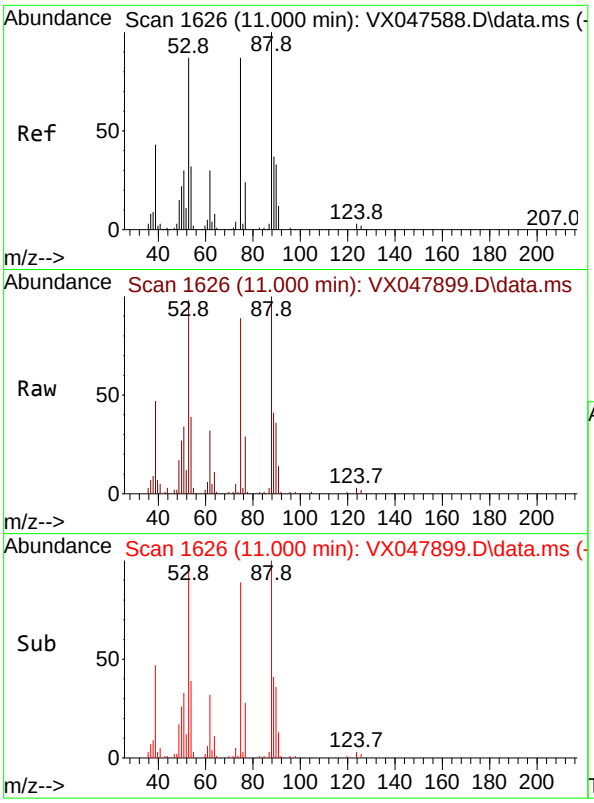


#80
1,3,5-Trimethylbenzene
Concen: 19.485 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:105 Resp: 142350

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.6	70.8



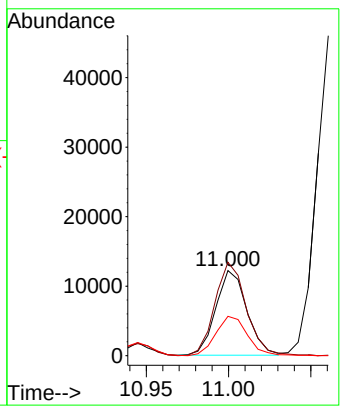


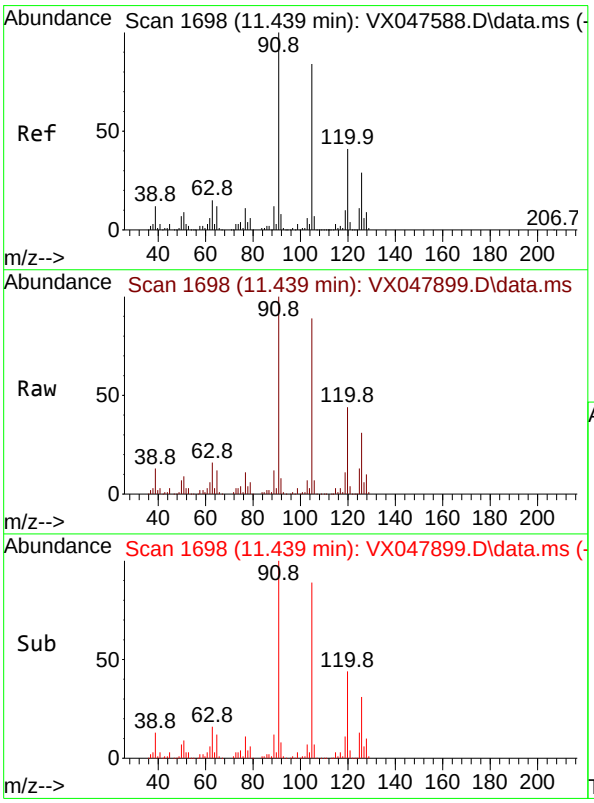
#81
trans-1,4-Dichloro-2-butene
Concen: 17.265 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 75 Resp: 16033

Ion	Ratio	Lower	Upper
75	100		
53	111.6	83.4	125.2
89	47.4	36.3	54.5

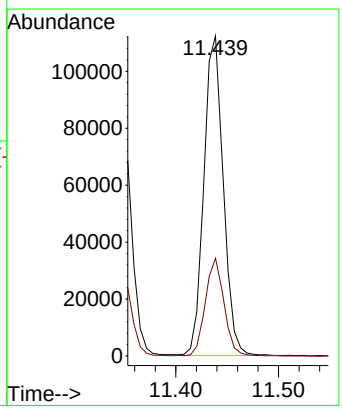


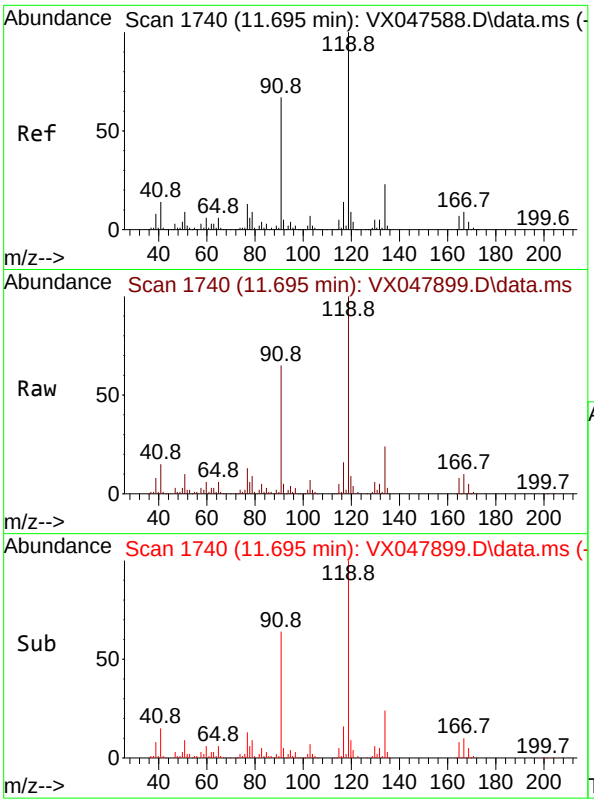


#82
4-Chlorotoluene
Concen: 19.377 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 91 Resp: 147339

Ion	Ratio	Lower	Upper
91	100		
126	29.5	14.2	42.6



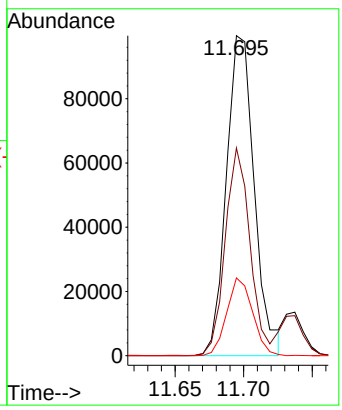


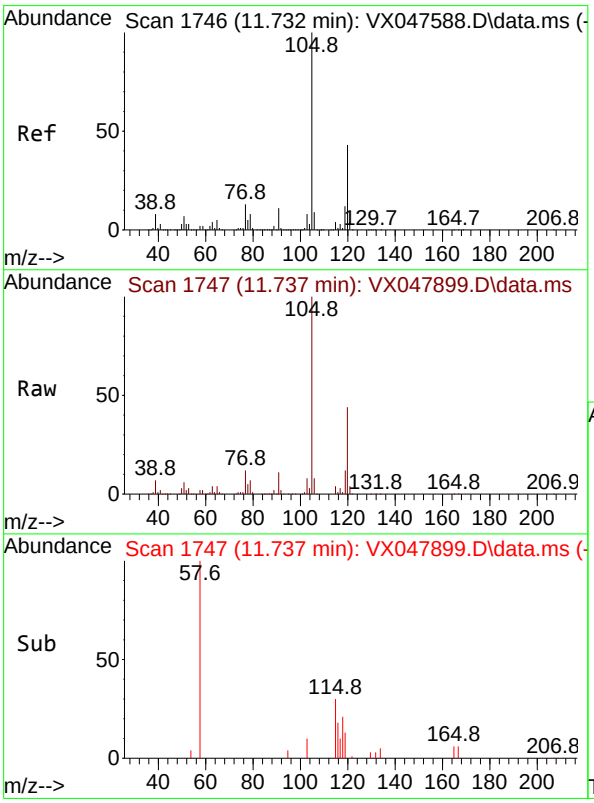
#83
tert-Butylbenzene
Concen: 18.892 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:119 Resp: 141288

Ion	Ratio	Lower	Upper
119	100		
91	57.5	29.6	88.8
134	22.5	11.0	33.0

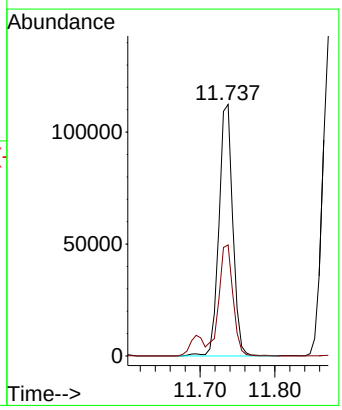


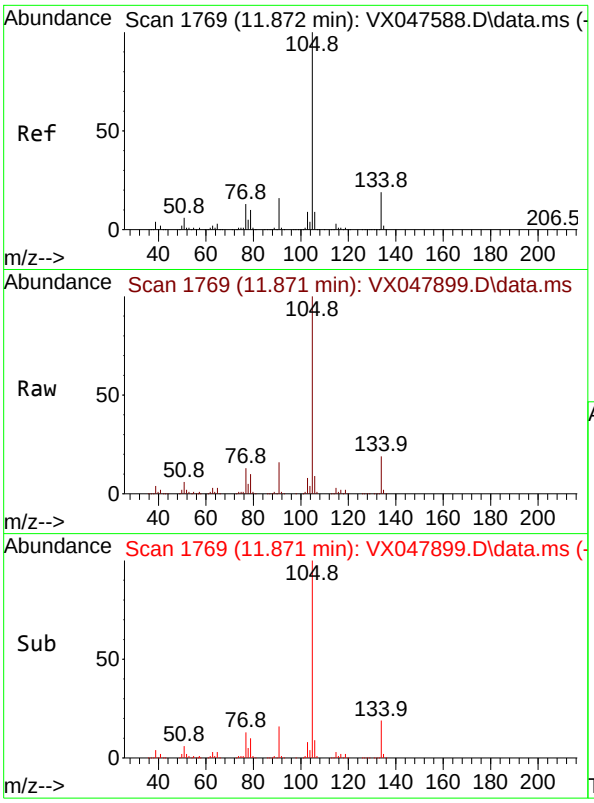


#84
1,2,4-Trimethylbenzene
Concen: 19.534 ug/l
RT: 11.737 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:105 Resp: 144682

Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.1	66.1



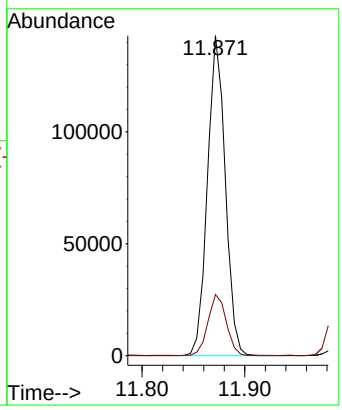


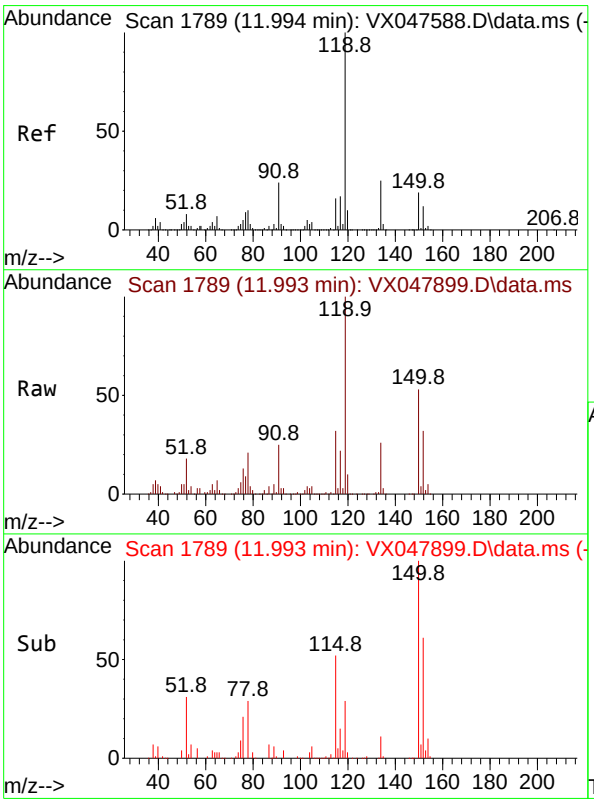
#85
sec-Butylbenzene
Concen: 19.363 ug/l
RT: 11.871 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:105 Resp: 172007

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5

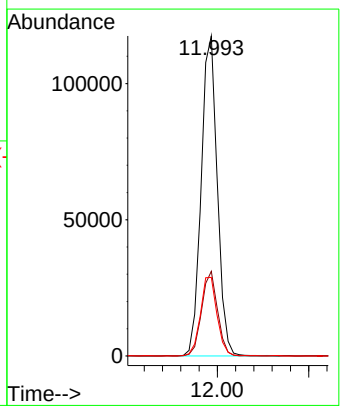


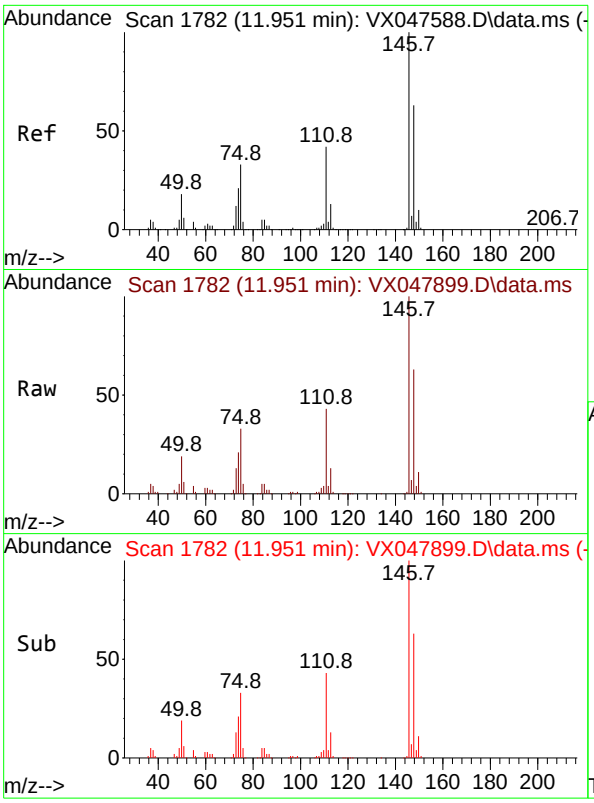


#86
p-Isopropyltoluene
Concen: 19.059 ug/l
RT: 11.993 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:119 Resp: 143333

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.6	37.8
91	25.5	12.6	37.6



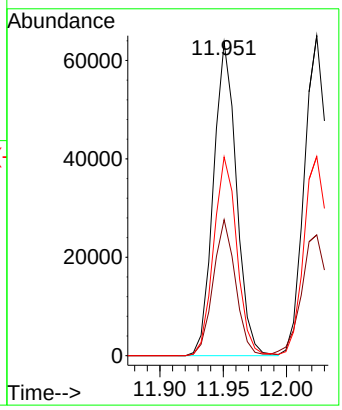


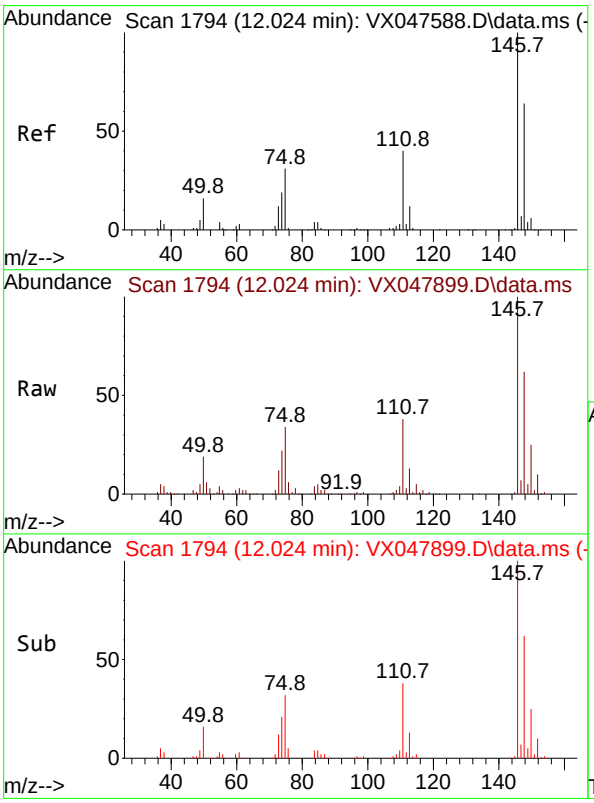
#87
1,3-Dichlorobenzene
Concen: 19.740 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:146 Resp: 80302

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.5	64.5
148	64.2	32.0	96.0

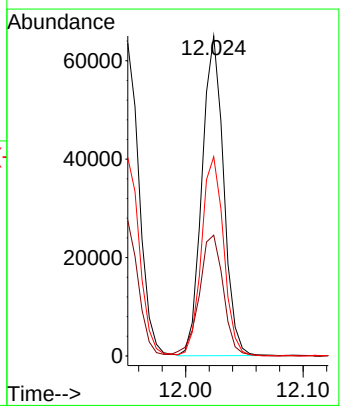


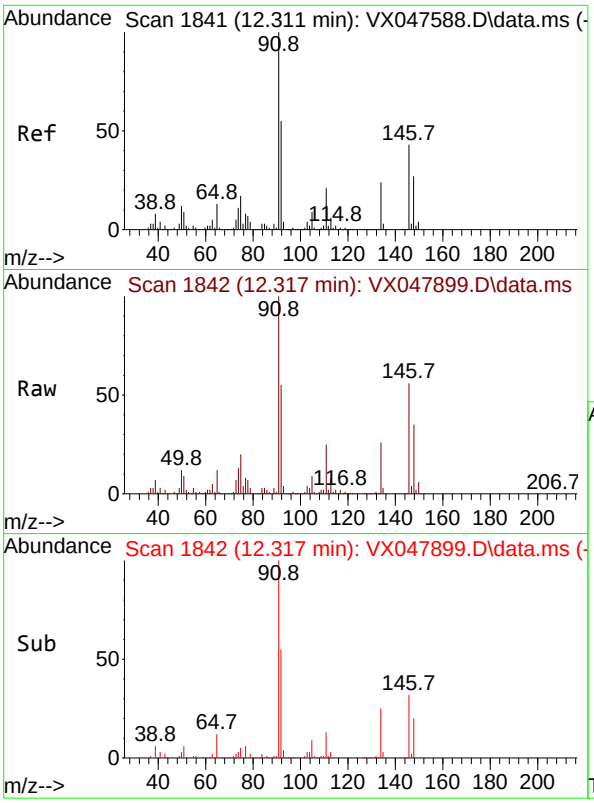


#88
1,4-Dichlorobenzene
Concen: 19.871 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:146 Resp: 82964

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.8	62.4
148	64.0	31.7	95.1



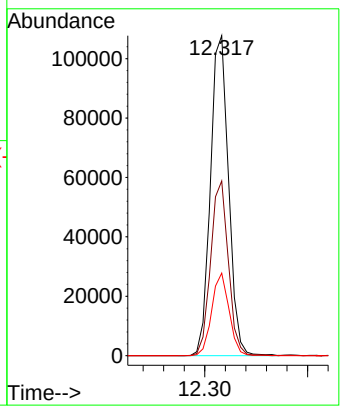


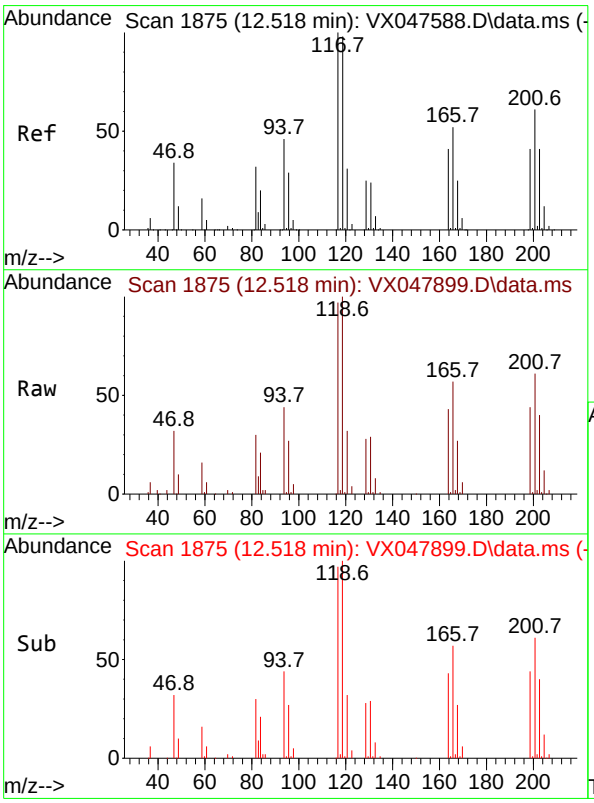
#89
n-Butylbenzene
Concen: 18.965 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 91 Resp: 131974

Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.6	82.7
134	24.8	12.6	37.8

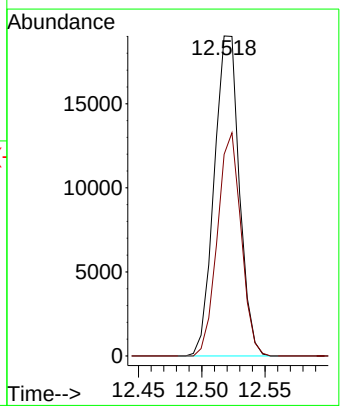


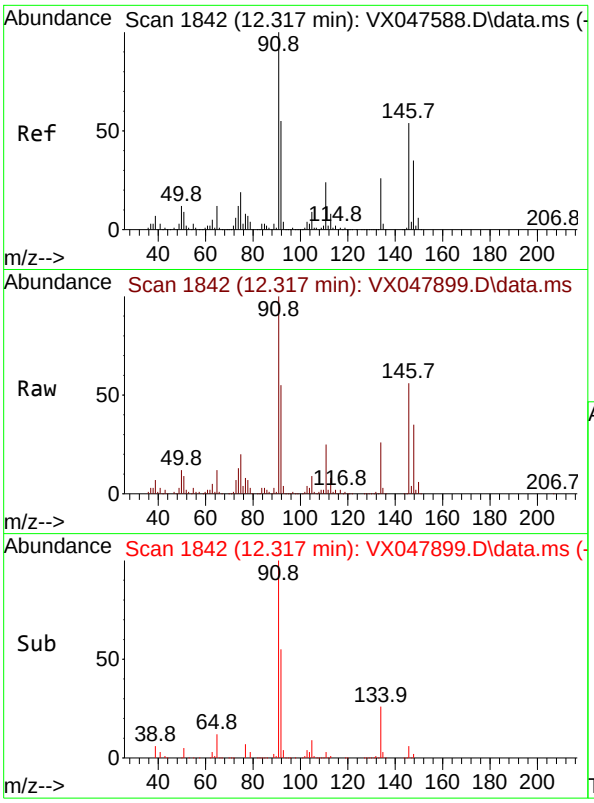


#90
Hexachloroethane
Concen: 19.900 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:117 Resp: 26275

Ion	Ratio	Lower	Upper
117	100		
201	65.7	34.2	102.5



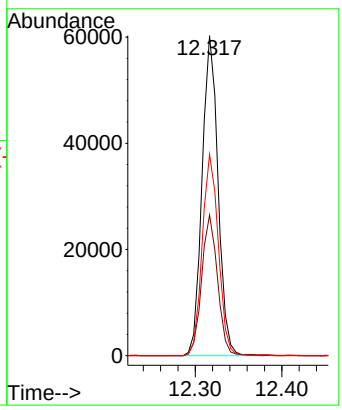


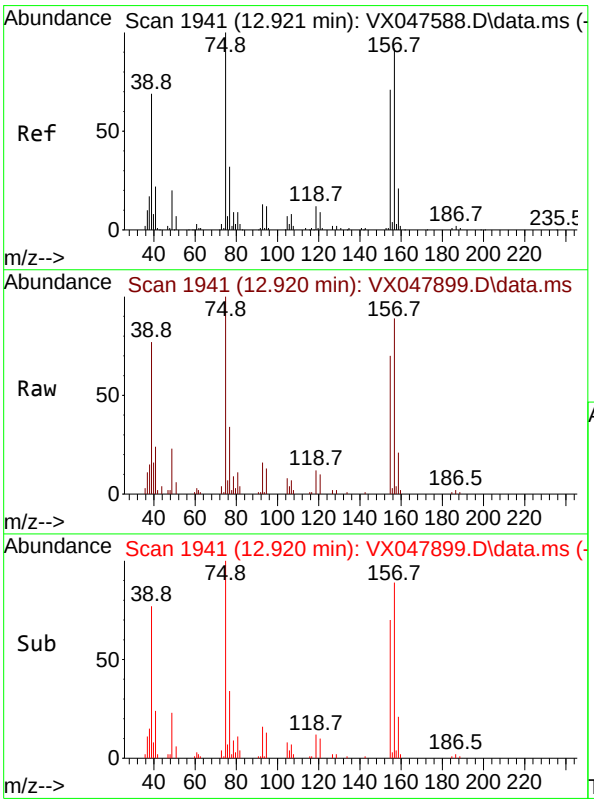
#91
1,2-Dichlorobenzene
Concen: 19.939 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:146 Resp: 77273

Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.2	66.6
148	63.6	31.8	95.4

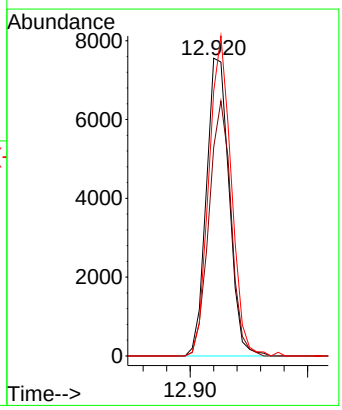


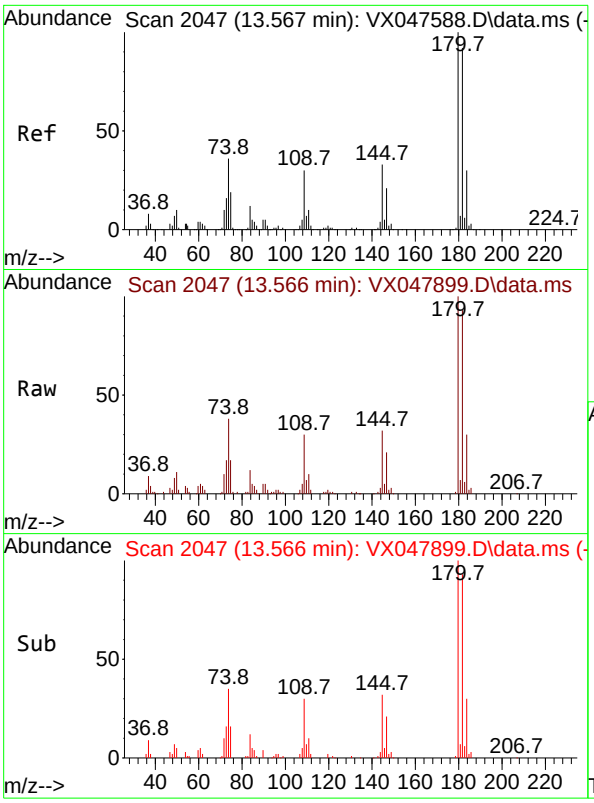


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.688 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion: 75 Resp: 10179

Ion	Ratio	Lower	Upper
75	100		
155	83.0	37.7	113.1
157	105.5	49.8	149.4



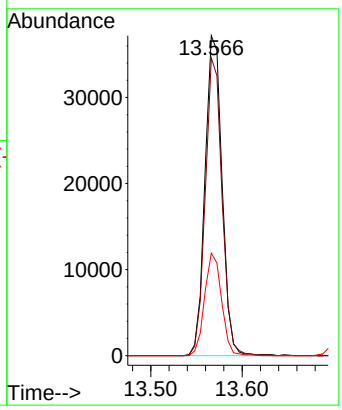


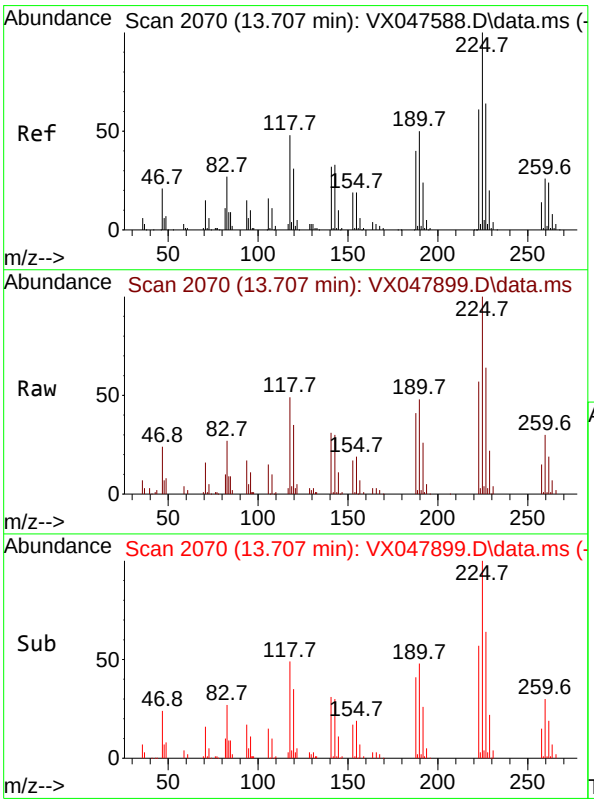
#93
1,2,4-Trichlorobenzene
Concen: 19.097 ug/l
RT: 13.566 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:180 Resp: 48099

Ion	Ratio	Lower	Upper
180	100		
182	91.6	46.6	139.8
145	31.9	16.4	49.1

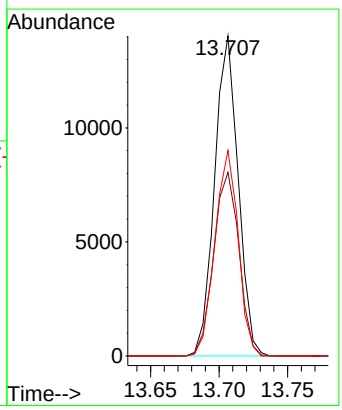


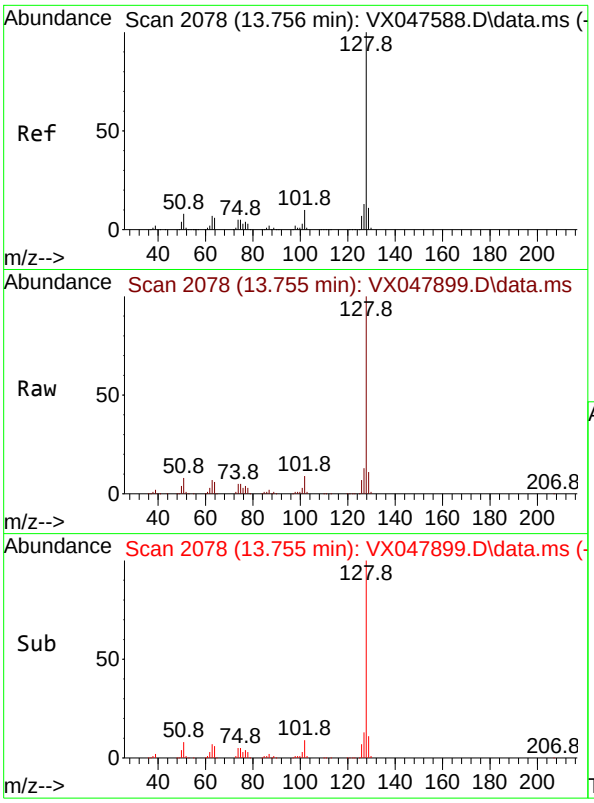


#94
Hexachlorobutadiene
Concen: 19.635 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:225 Resp: 16798

Ion	Ratio	Lower	Upper
225	100		
223	61.0	31.7	95.1
227	63.7	32.0	96.0



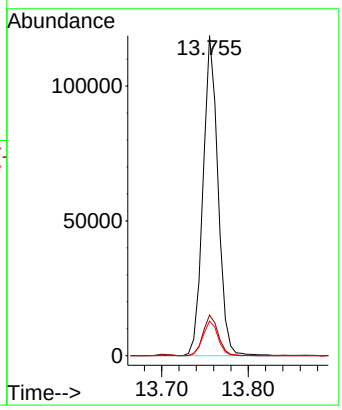


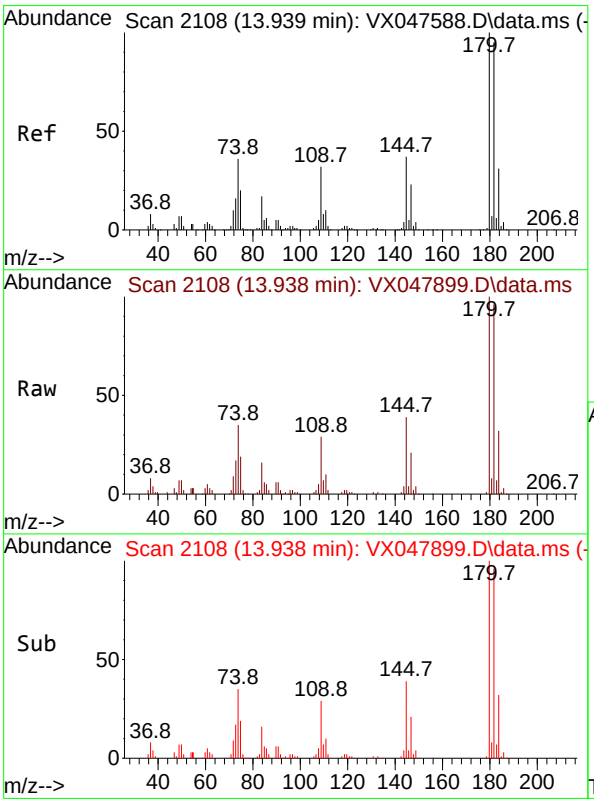
#95
Naphthalene
Concen: 18.552 ug/l
RT: 13.755 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:128 Resp: 142292

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	11.0	8.8	13.2

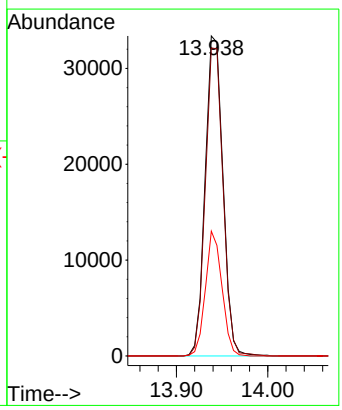




#96
1,2,3-Trichlorobenzene
Concen: 19.210 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047899.D
Acq: 30 Sep 2025 11:06

Tgt Ion:180 Resp: 45008

Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.6	142.8
145	36.2	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047923.D
Acq On : 30 Sep 2025 19:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 01 01:17:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	132534	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	238365	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	220521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	110310	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	111905	53.045	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.100%			
35) Dibromofluoromethane	5.373	113	86570	54.153	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.300%			
50) Toluene-d8	8.634	98	293390	53.040	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.080%			
62) 4-Bromofluorobenzene	11.061	95	112253	53.472	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	77088	56.170	ug/l	98
3) Chloromethane	1.300	50	92995	51.557	ug/l	98
4) Vinyl Chloride	1.380	62	95992	54.366	ug/l	97
5) Bromomethane	1.611	94	60978	54.463	ug/l	99
6) Chloroethane	1.691	64	65276	55.314	ug/l	97
7) Trichlorofluoromethane	1.892	101	143051	54.566	ug/l	97
8) Diethyl Ether	2.136	74	59427	55.414	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	83865	54.709	ug/l	98
10) Methyl Iodide	2.459	142	104700	43.794	ug/l	100
11) Tert butyl alcohol	2.946	59	60760	258.604	ug/l	99
12) 1,1-Dichloroethene	2.325	96	85570	54.342	ug/l	98
13) Acrolein	2.239	56	57256	264.445	ug/l	99
14) Allyl chloride	2.666	41	162904	50.135	ug/l	98
15) Acrylonitrile	3.056	53	268563	308.592	ug/l	99
16) Acetone	2.373	43	208981	227.831	ug/l	100
17) Carbon Disulfide	2.514	76	219361	50.887	ug/l	98
18) Methyl Acetate	2.703	43	132826	65.067	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	317909	55.306	ug/l	99
20) Methylene Chloride	2.788	84	107848	55.546	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	92481	54.552	ug/l	97
22) Diisopropyl ether	3.751	45	352433	55.966	ug/l #	85
23) Vinyl Acetate	3.715	43	1411660	280.091	ug/l	99
24) 1,1-Dichloroethane	3.605	63	186212	55.634	ug/l	99
25) 2-Butanone	4.544	43	319392	279.147	ug/l	98
26) 2,2-Dichloropropane	4.471	77	117774	42.330	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	113694	54.761	ug/l	96
28) Bromochloromethane	4.885	49	78327	53.604	ug/l	100
29) Tetrahydrofuran	4.995	42	202985	294.905	ug/l	100
30) Chloroform	5.086	83	191739	56.689	ug/l	98
31) Cyclohexane	5.464	56	136628	49.011	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	155464	54.189	ug/l	99
36) 1,1-Dichloropropene	5.684	75	115949	49.637	ug/l	97
37) Ethyl Acetate	4.696	43	136927	54.746	ug/l	100
38) Carbon Tetrachloride	5.666	117	128895	50.785	ug/l	99
39) Methylcyclohexane	7.366	83	126763	47.806	ug/l	99
40) Benzene	6.025	78	384636	54.213	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047923.D
Acq On : 30 Sep 2025 19:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 01 01:17:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.903	41	73700	57.078	ug/l		99
42) 1,2-Dichloroethane	6.074	62	145986	54.079	ug/l		100
43) Isopropyl Acetate	6.324	43	224413	54.708	ug/l		98
44) Trichloroethene	7.110	130	92363	53.847	ug/l		96
45) 1,2-Dichloropropane	7.415	63	102592	56.471	ug/l		99
46) Dibromomethane	7.568	93	72842	55.099	ug/l		96
47) Bromodichloromethane	7.805	83	152453	55.883	ug/l		97
48) Methyl methacrylate	7.677	41	113343	55.472	ug/l		97
49) 1,4-Dioxane	7.647	88	26956	1305.423	ug/l		97
51) 4-Methyl-2-Pentanone	8.561	43	679876	298.935	ug/l		100
52) Toluene	8.702	92	234858	53.729	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	144726	52.010	ug/l		98
54) cis-1,3-Dichloropropene	8.354	75	157465	52.943	ug/l		98
55) 1,1,2-Trichloroethane	9.134	97	95983	56.947	ug/l		98
56) Ethyl methacrylate	9.104	69	149817	56.599	ug/l		97
57) 1,3-Dichloropropane	9.293	76	164563	56.837	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	384496	300.103	ug/l		99
59) 2-Hexanone	9.415	43	470259	287.896	ug/l		99
60) Dibromochloromethane	9.506	129	112557	57.958	ug/l		99
61) 1,2-Dibromoethane	9.592	107	100581	58.588	ug/l		100
64) Tetrachloroethene	9.256	164	73046	50.812	ug/l		97
65) Chlorobenzene	10.061	112	259779	51.854	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.146	131	92447	53.476	ug/l		99
67) Ethyl Benzene	10.177	91	444221	51.390	ug/l		99
68) m/p-Xylenes	10.287	106	334993	104.119	ug/l		99
69) o-Xylene	10.628	106	161921	52.032	ug/l		99
70) Styrene	10.640	104	289190	53.035	ug/l		98
71) Bromoform	10.780	173	73852	57.212	ug/l	#	97
73) Isopropylbenzene	10.945	105	414872	49.469	ug/l		99
74) N-amyl acetate	10.829	43	194530	50.866	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	138566	54.611	ug/l		99
76) 1,2,3-Trichloropropane	11.225	75	149744	67.047	ug/l		89
77) Bromobenzene	11.183	156	103795	50.251	ug/l		98
78) n-propylbenzene	11.286	91	485929	49.015	ug/l		99
79) 2-Chlorotoluene	11.347	91	298892	49.224	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	339378	49.255	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.000	75	40353	46.075	ug/l		99
82) 4-Chlorotoluene	11.439	91	355988	49.640	ug/l		100
83) tert-Butylbenzene	11.695	119	345986	49.053	ug/l		98
84) 1,2,4-Trimethylbenzene	11.732	105	346035	49.536	ug/l		100
85) sec-Butylbenzene	11.872	105	409794	48.913	ug/l		100
86) p-Isopropyltoluene	11.994	119	342231	48.250	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	191106	49.812	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	192965	49.006	ug/l		99
89) n-Butylbenzene	12.317	91	312733	47.651	ug/l		98
90) Hexachloroethane	12.518	117	62984	50.578	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	186186	50.939	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	26953	52.467	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	112758	47.467	ug/l		98
94) Hexachlorobutadiene	13.707	225	36753	45.550	ug/l		98
95) Naphthalene	13.756	128	370067	51.160	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	107969	48.861	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047923.D
Acq On : 30 Sep 2025 19:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 01 01:17:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

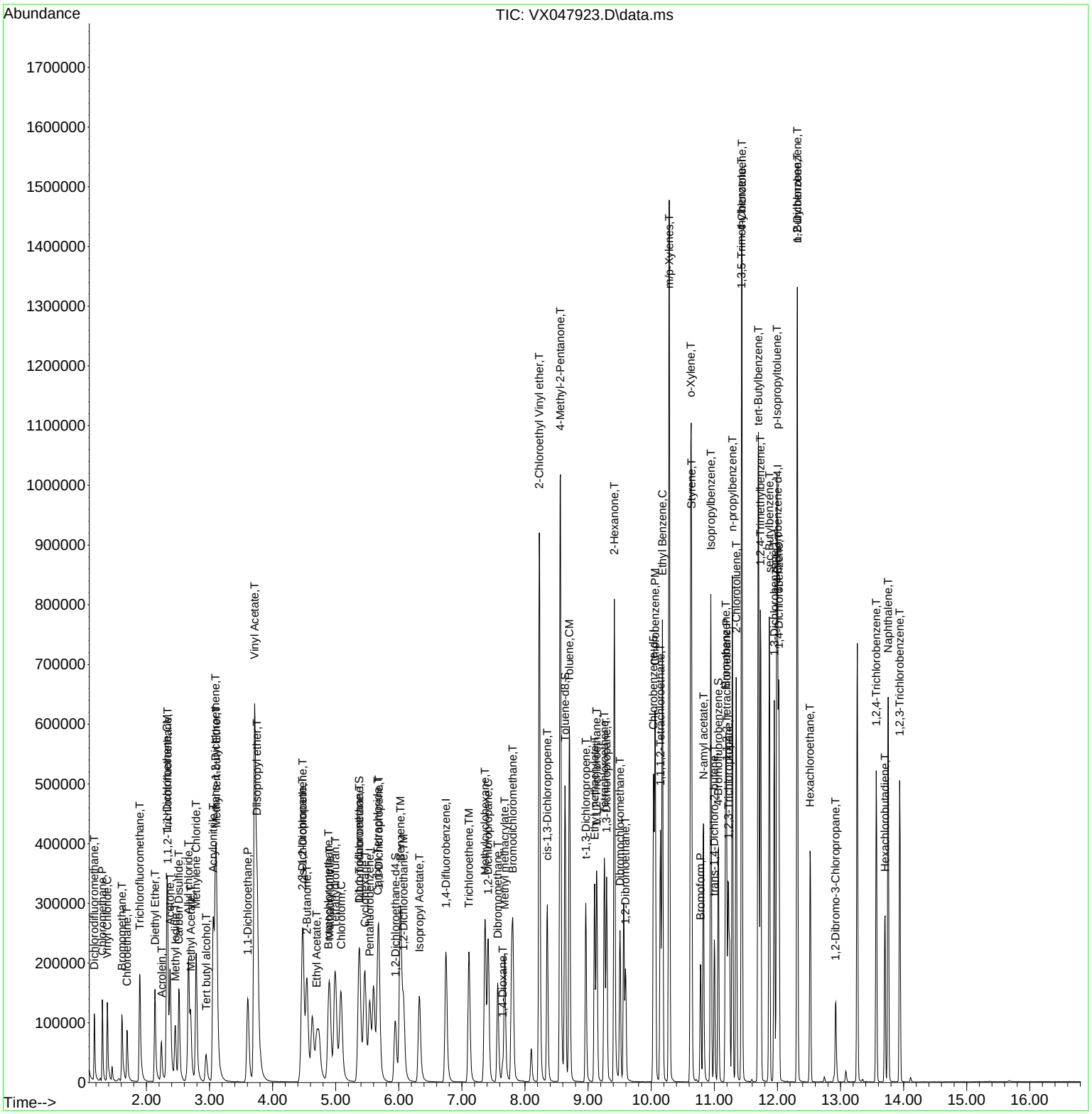
(#) = qualifier out of range (m) = manual integration (+) = signals summed

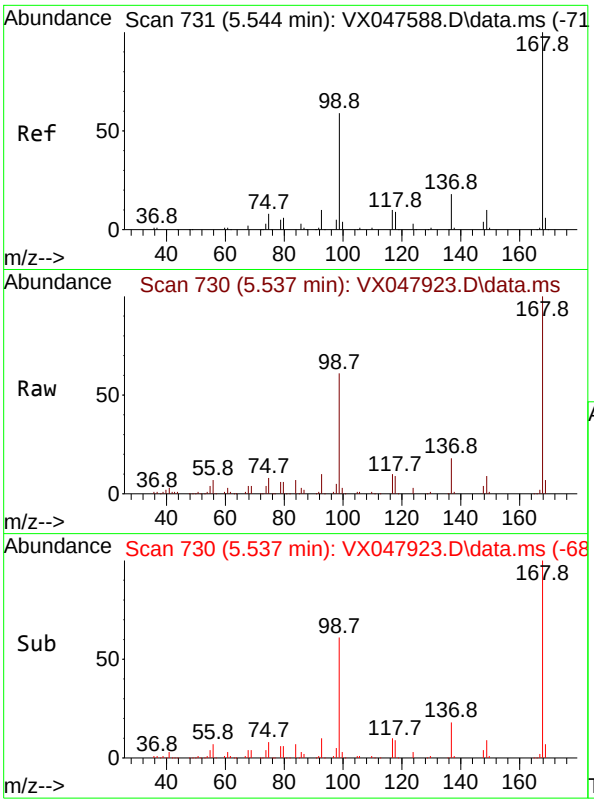
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047923.D
Acq On : 30 Sep 2025 19:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 01 01:17:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



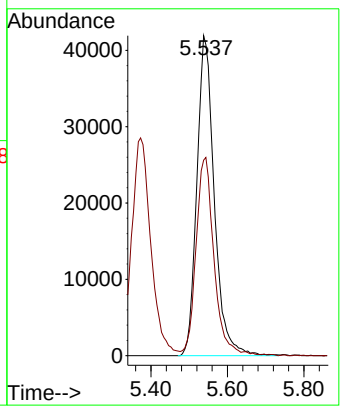


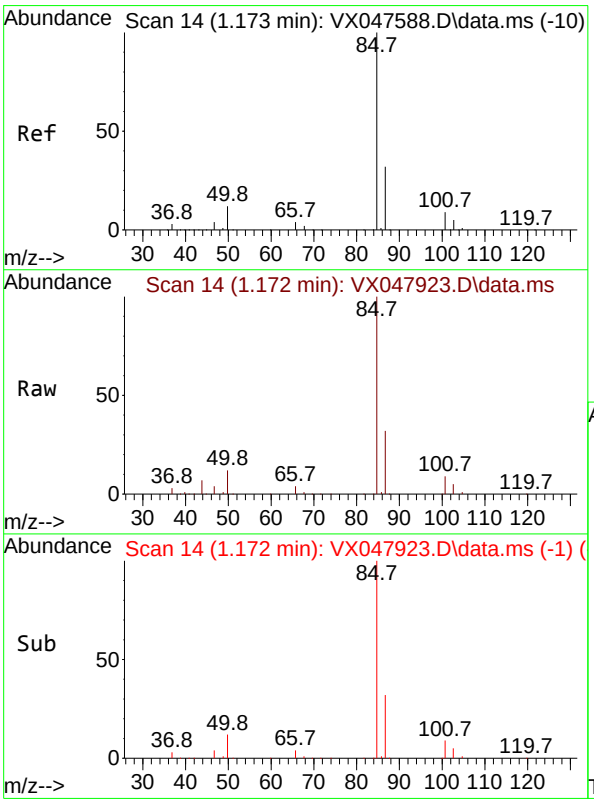
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 132534

Ion	Ratio	Lower	Upper
168	100		
99	61.1	48.8	73.2

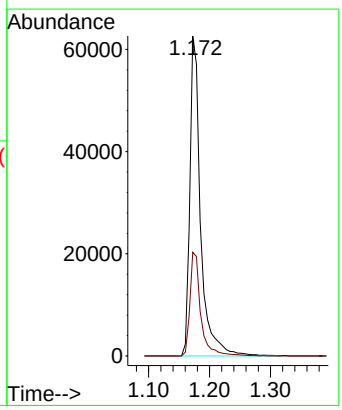


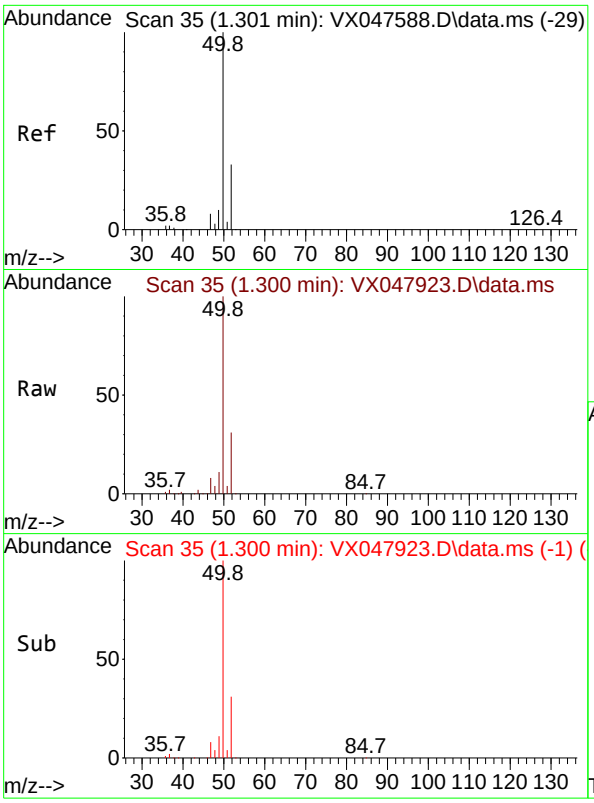


#2
Dichlorodifluoromethane
Concen: 56.170 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 85 Resp: 77088

Ion	Ratio	Lower	Upper
85	100		
87	32.8	15.8	47.3



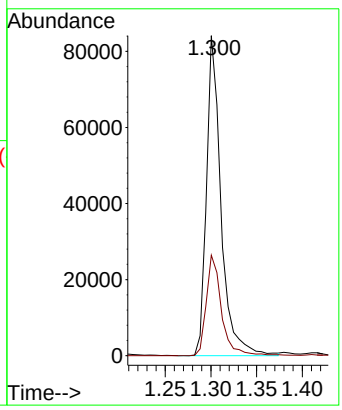


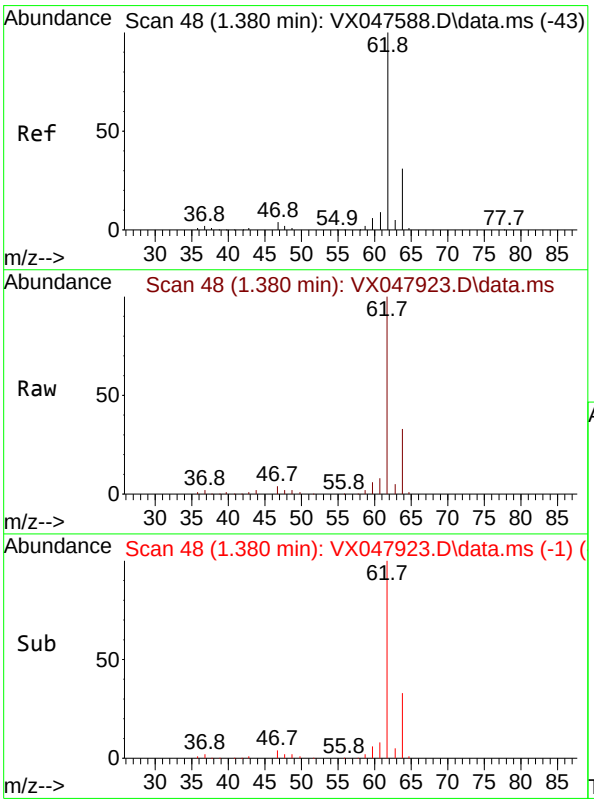
#3
Chloromethane
Concen: 51.557 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 92995

Ion	Ratio	Lower	Upper
50	100		
52	31.4	26.1	39.1

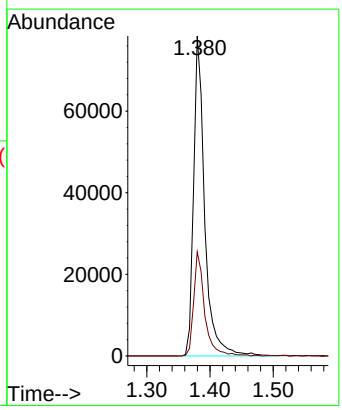


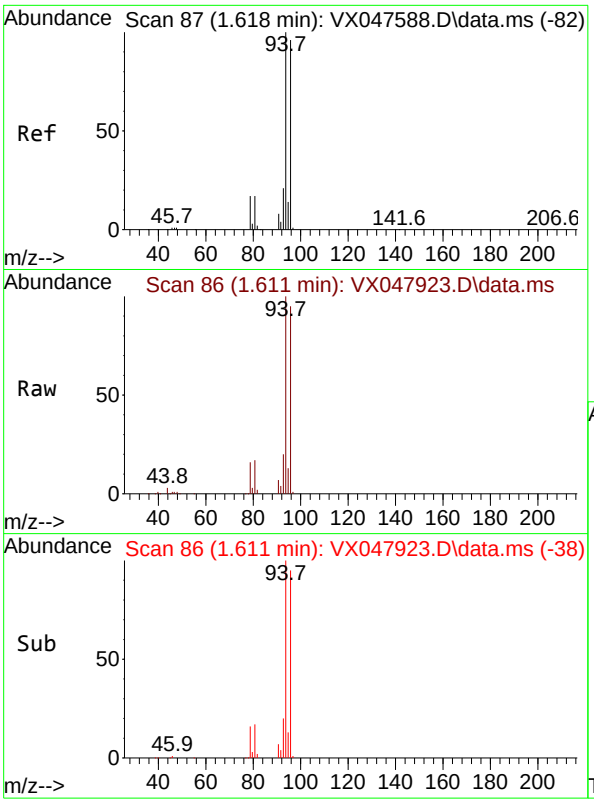


#4
Vinyl Chloride
Concen: 54.366 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 62 Resp: 95992

Ion	Ratio	Lower	Upper
62	100		
64	32.6	24.9	37.3



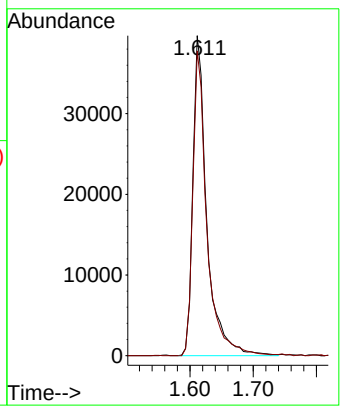


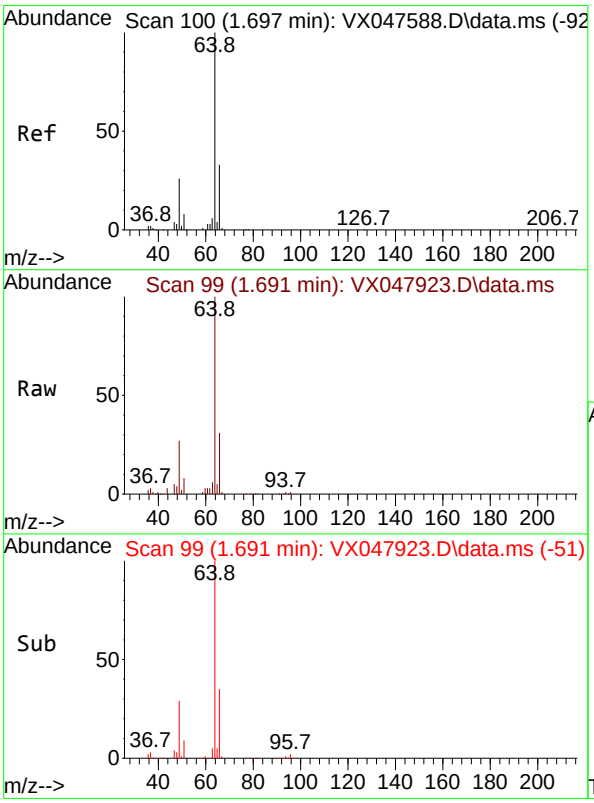
#5
Bromomethane
Concen: 54.463 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 60978

Ion	Ratio	Lower	Upper
94	100		
96	95.2	76.6	115.0

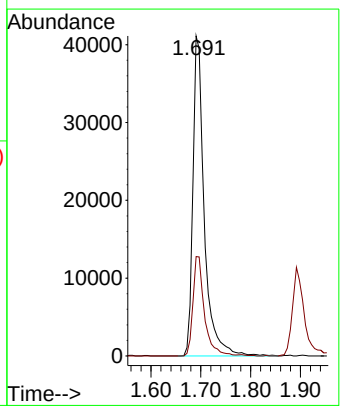


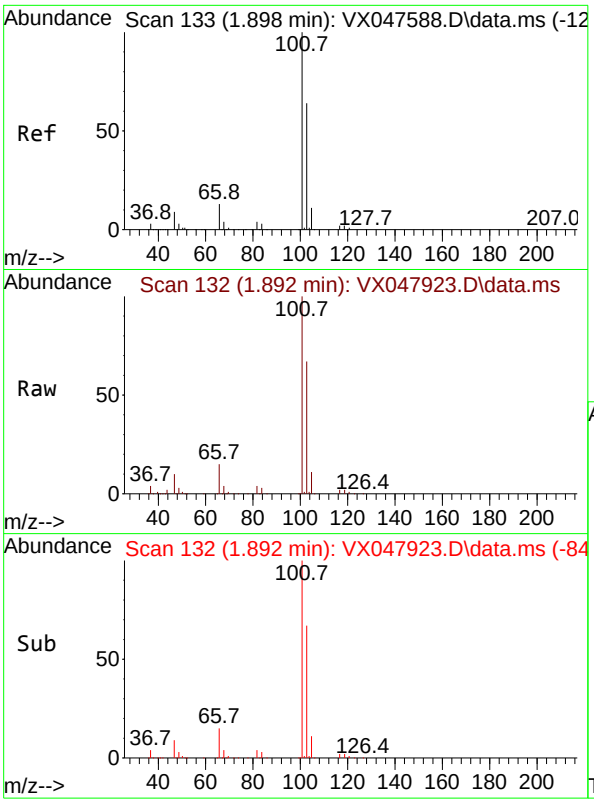


#6
Chloroethane
Concen: 55.314 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 64 Resp: 65276

Ion	Ratio	Lower	Upper
64	100		
66	31.1	26.1	39.1



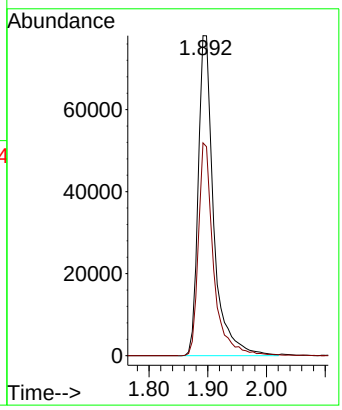


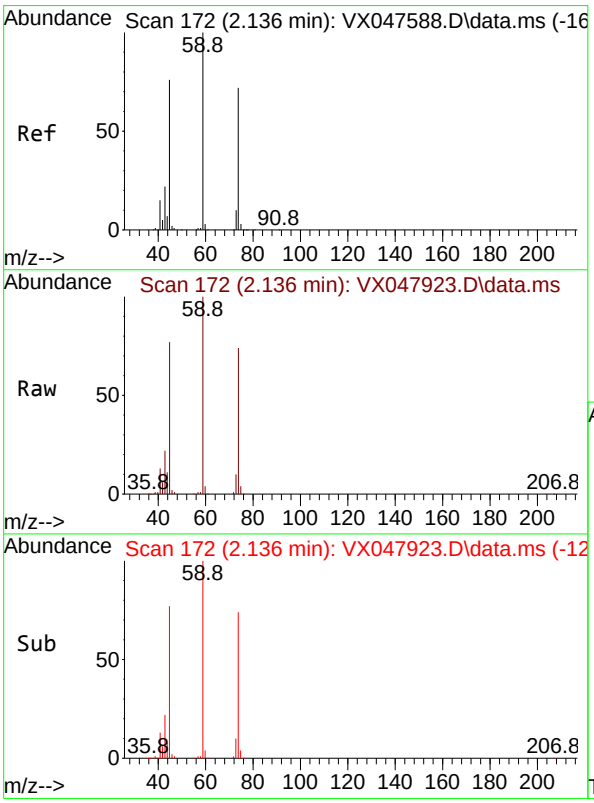
#7
Trichlorofluoromethane
Concen: 54.566 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 143051

Ion	Ratio	Lower	Upper
101	100		
103	66.5	51.4	77.2

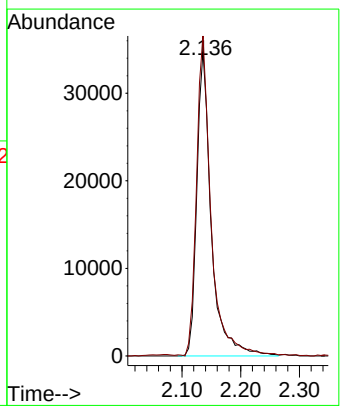


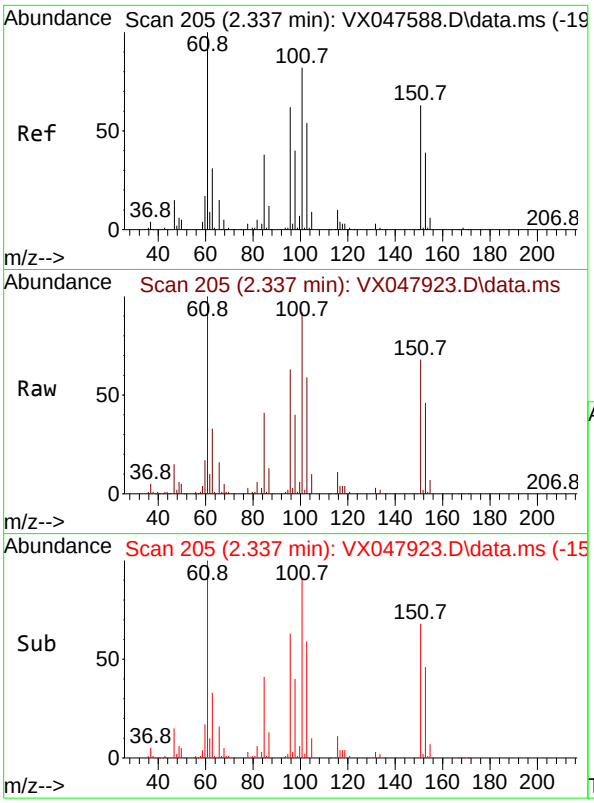


#8
Diethyl Ether
Concen: 55.414 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 74 Resp: 59427

Ion	Ratio	Lower	Upper
74	100		
45	105.0	52.3	156.8



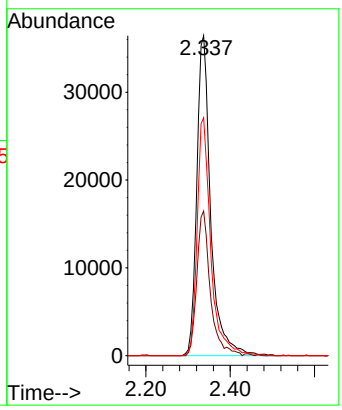


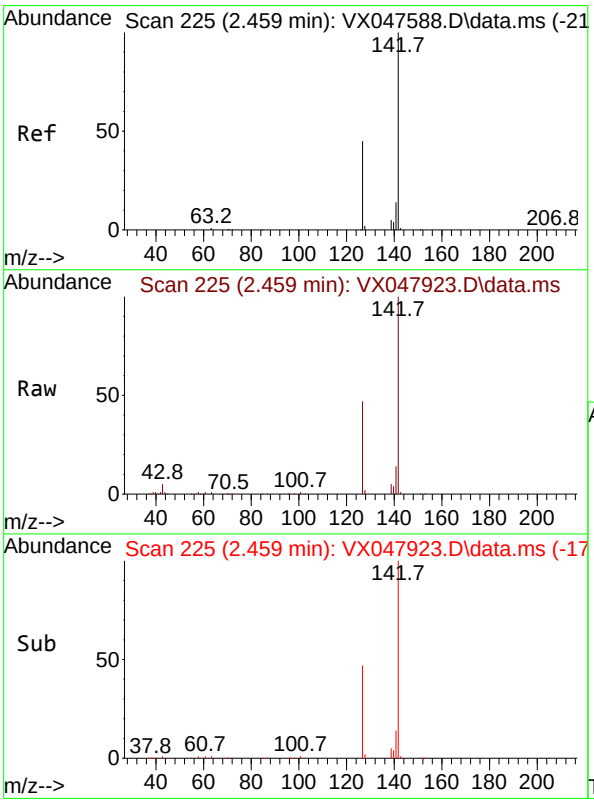
#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.709 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 83865

Ion	Ratio	Lower	Upper
101	100		
85	43.7	35.5	53.3
151	72.7	59.4	89.0

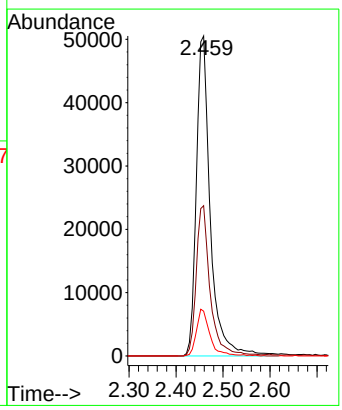


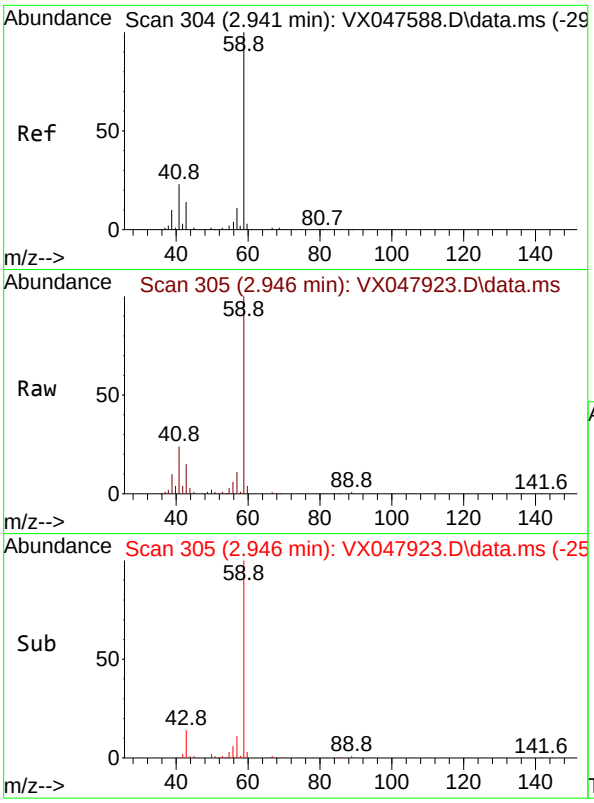


#10
Methyl Iodide
Concen: 43.794 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:142 Resp: 104700

Ion	Ratio	Lower	Upper
142	100		
127	46.8	37.2	55.8
141	14.2	11.4	17.0



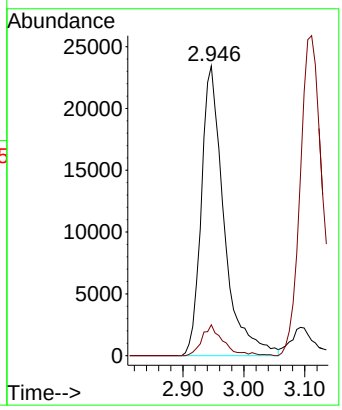


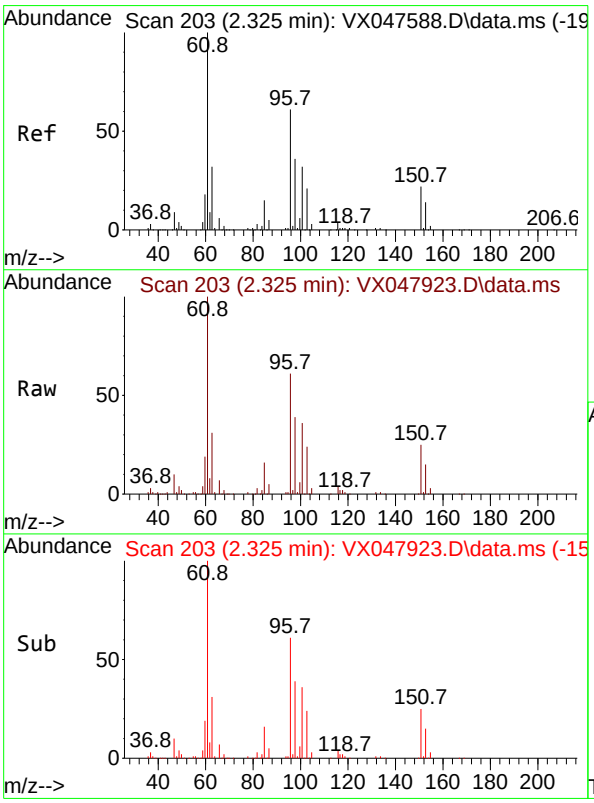
#11
Tert butyl alcohol
Concen: 258.604 ug/l
RT: 2.946 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 60760

Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.3	12.5

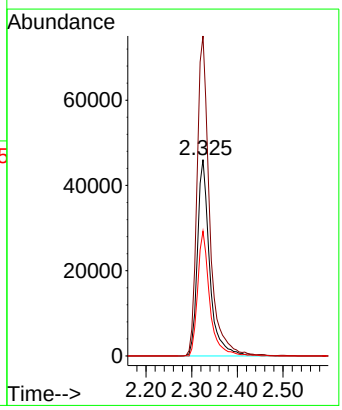


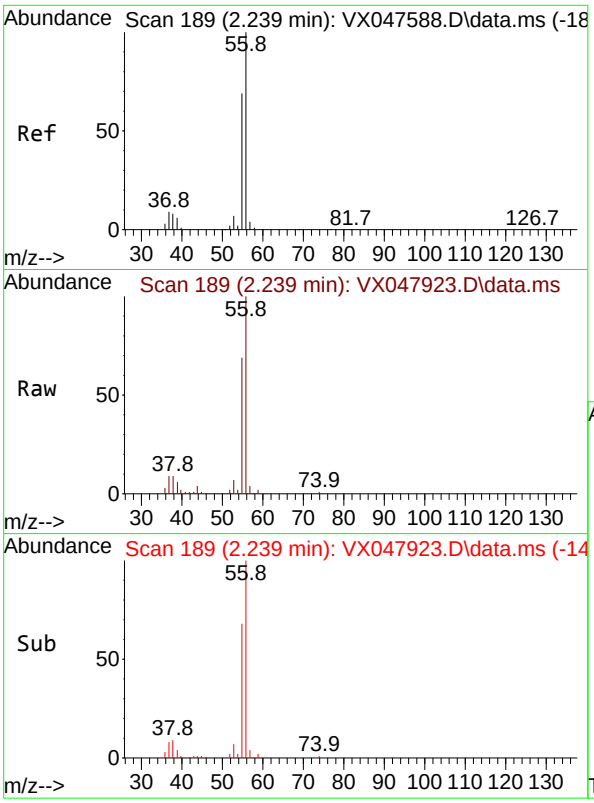


#12
1,1-Dichloroethene
Concen: 54.342 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 96 Resp: 85570

Ion	Ratio	Lower	Upper
96	100		
61	163.1	131.0	196.6
98	63.6	47.7	71.5



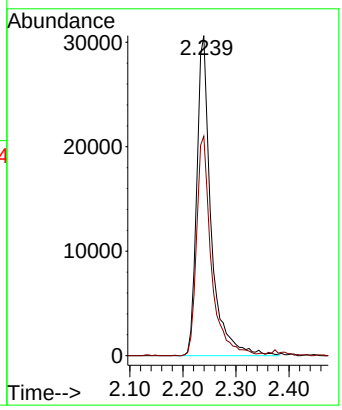


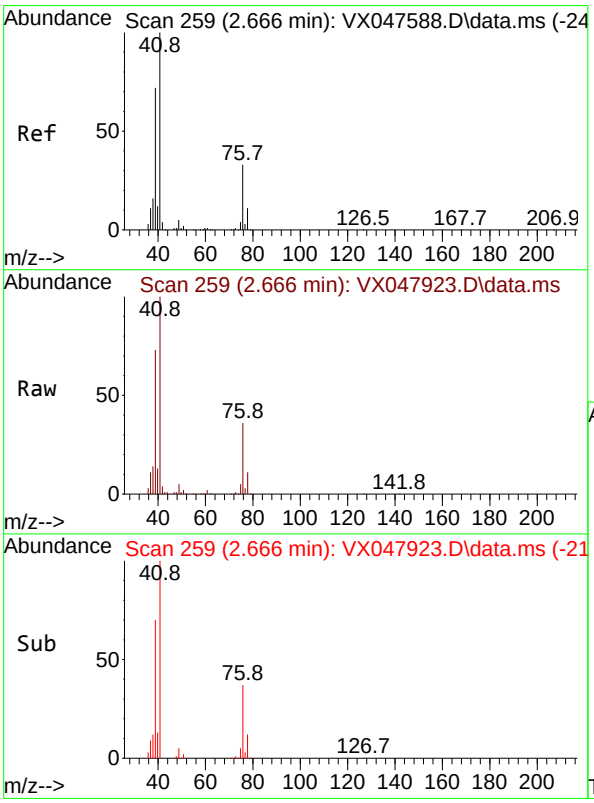
#13
Acrolein
Concen: 264.445 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 57256

Ion	Ratio	Lower	Upper
56	100		
55	70.8	57.2	85.8

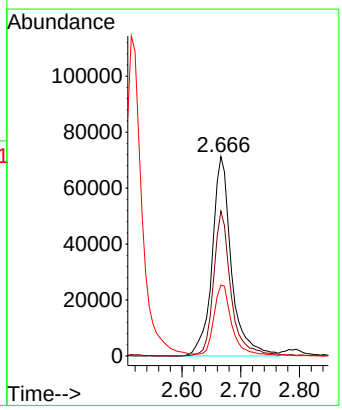


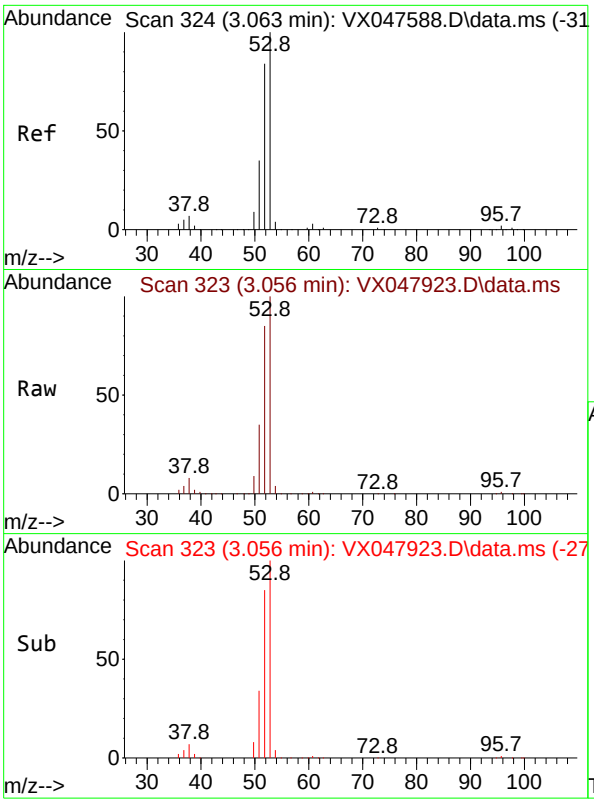


#14
Allyl chloride
Concen: 50.135 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 41 Resp: 162904

Ion	Ratio	Lower	Upper
41	100		
39	66.0	54.7	82.1
76	32.5	25.7	38.5



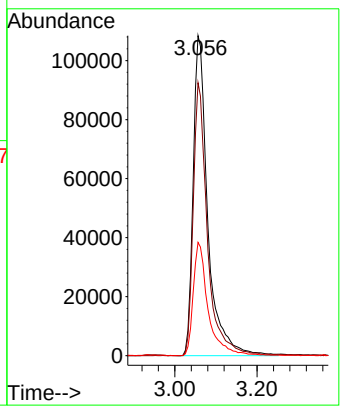


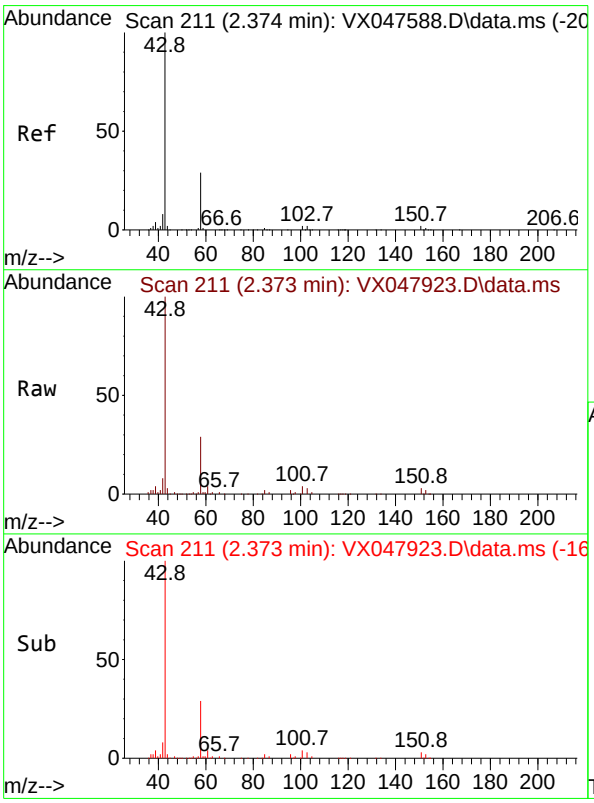
#15
Acrylonitrile
Concen: 308.592 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 268563

Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.4	99.6
51	36.3	29.5	44.3

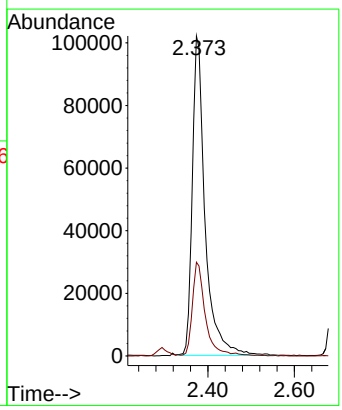


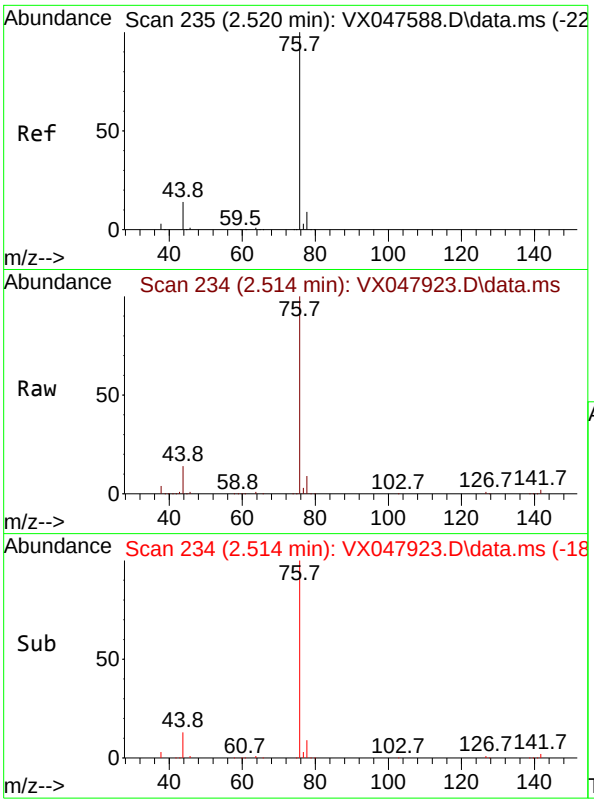


#16
Acetone
Concen: 227.831 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 43 Resp: 208981

Ion	Ratio	Lower	Upper
43	100		
58	29.3	23.4	35.0



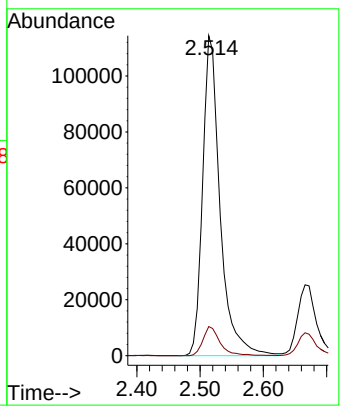


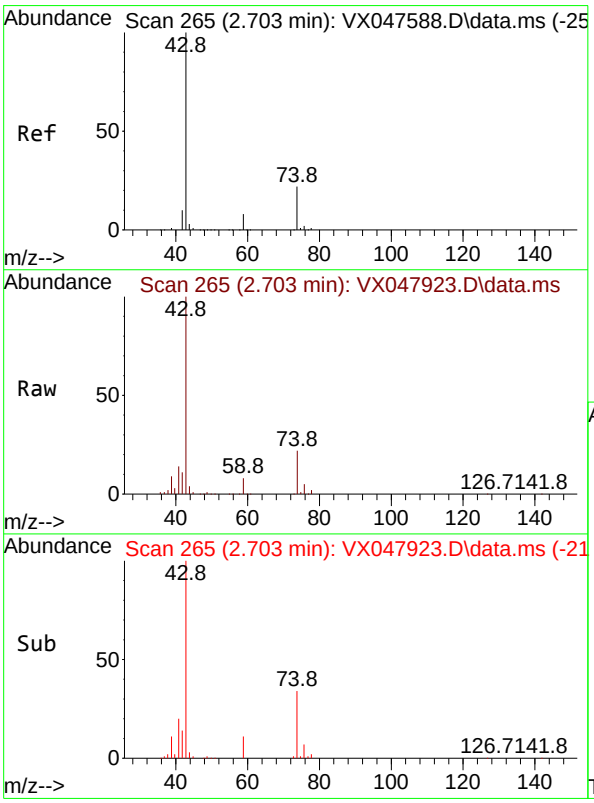
#17
Carbon Disulfide
Concen: 50.887 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 219361

Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.8	10.2

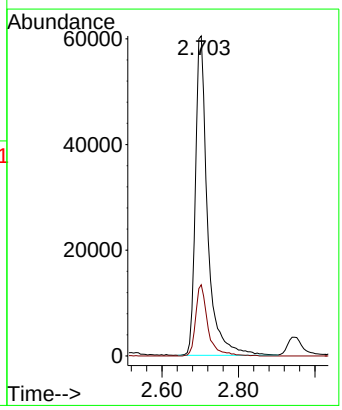


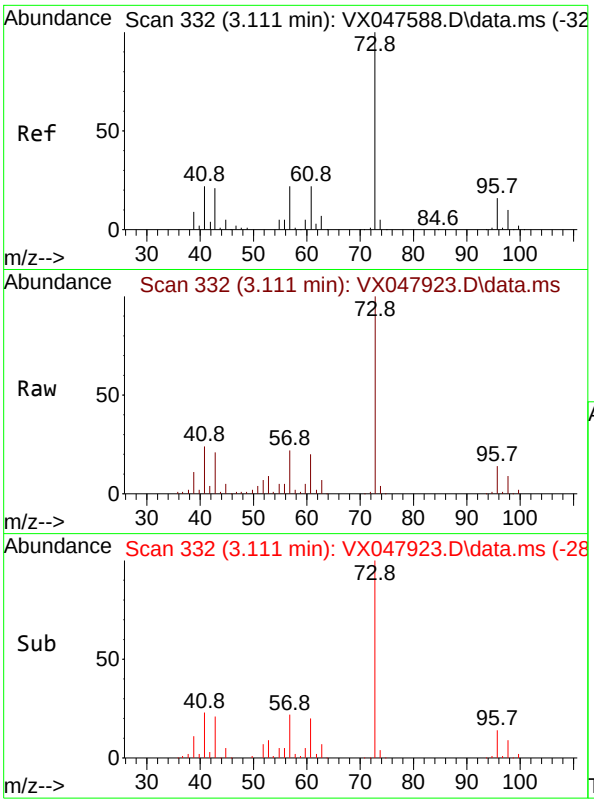


#18
Methyl Acetate
Concen: 65.067 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 43 Resp: 132826

Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.4	26.2



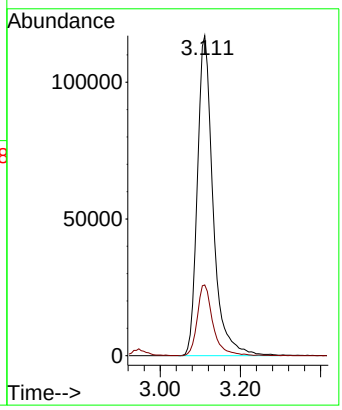


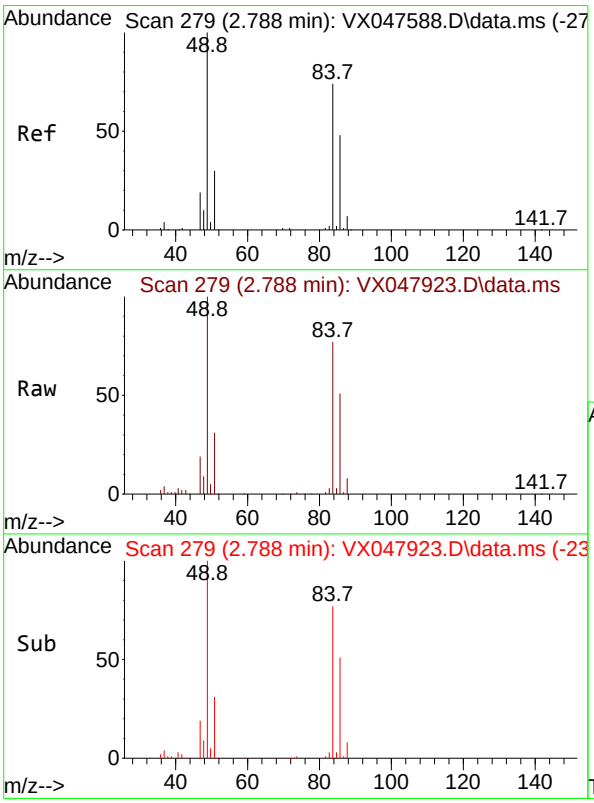
#19
Methyl tert-butyl Ether
Concen: 55.306 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 317909

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.4	26.2

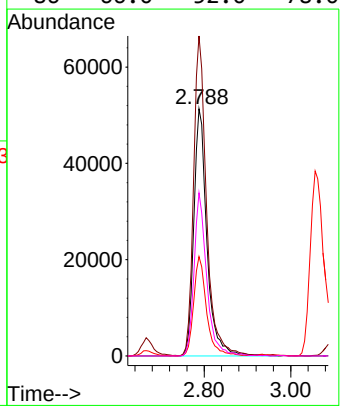


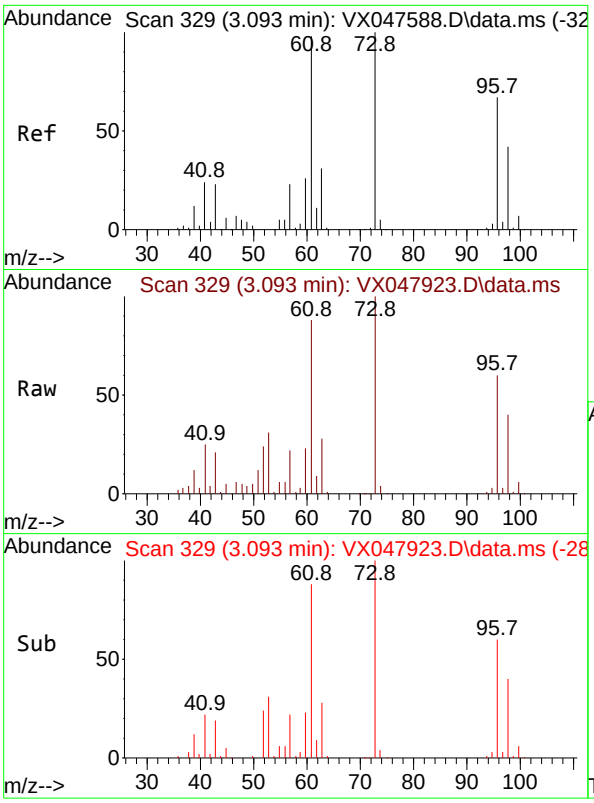


#20
Methylene Chloride
Concen: 55.546 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 84 Resp: 107848

Ion	Ratio	Lower	Upper
84	100		
49	129.4	108.6	162.8
51	40.2	32.6	48.8
86	66.0	52.0	78.0



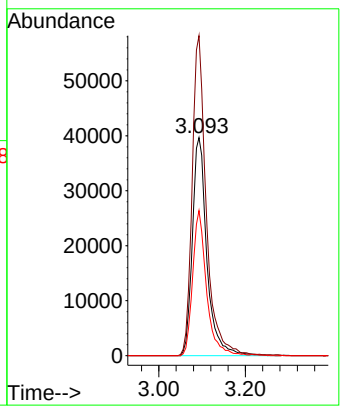


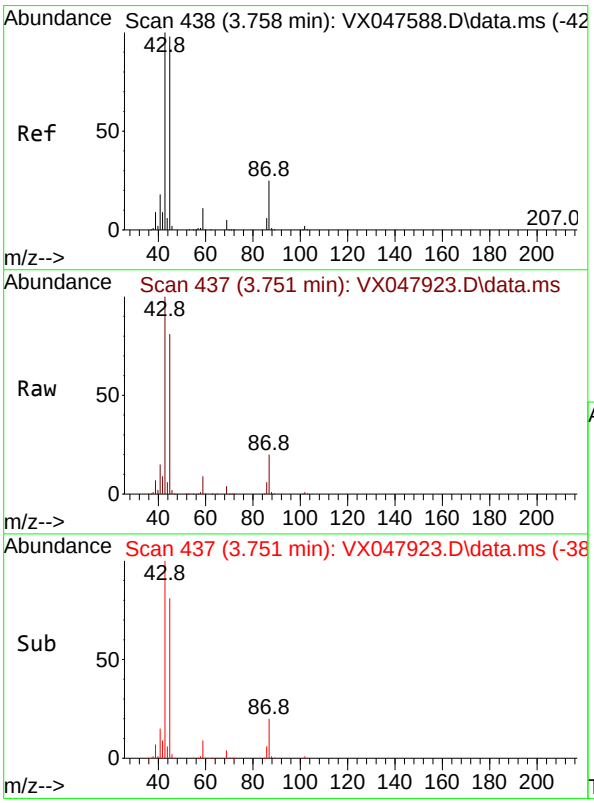
#21
trans-1,2-Dichloroethene
Concen: 54.552 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 92481

Ion	Ratio	Lower	Upper
96	100		
61	146.8	116.2	174.2
98	66.6	49.3	73.9

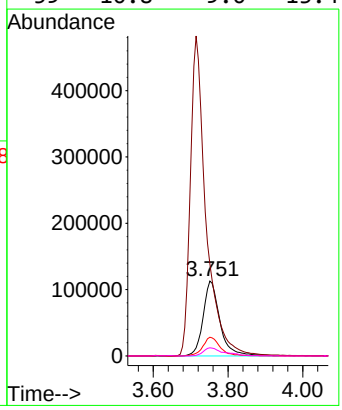


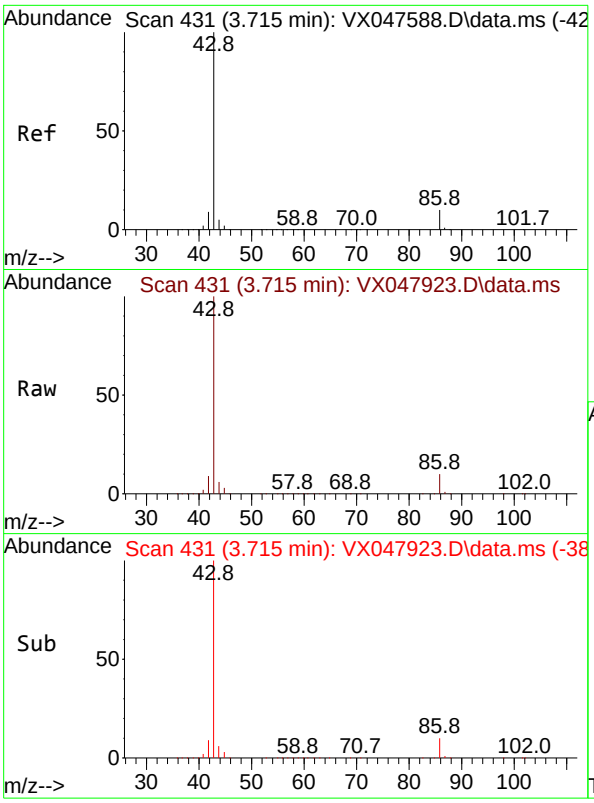


#22
Diisopropyl ether
Concen: 55.966 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 45 Resp: 352433

Ion	Ratio	Lower	Upper
45	100		
43	121.9	81.0	121.4#
87	25.0	20.3	30.5
59	10.8	9.0	13.4



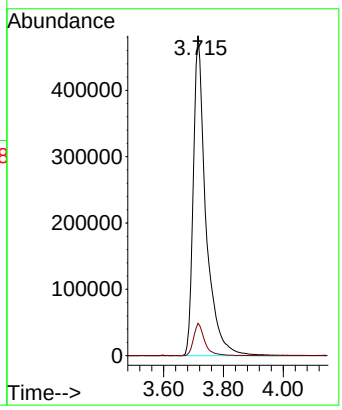


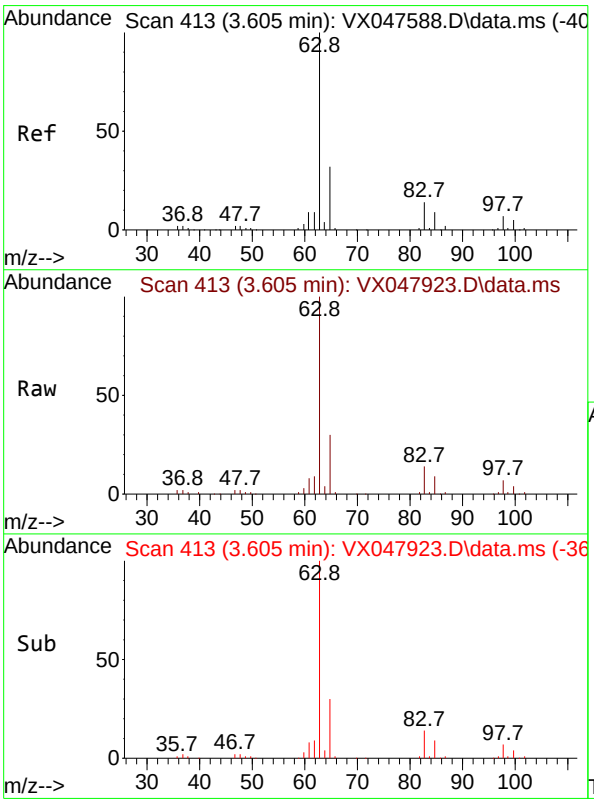
#23
Vinyl Acetate
Concen: 280.091 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1411660

Ion	Ratio	Lower	Upper
43	100		
86	10.1	7.8	11.8

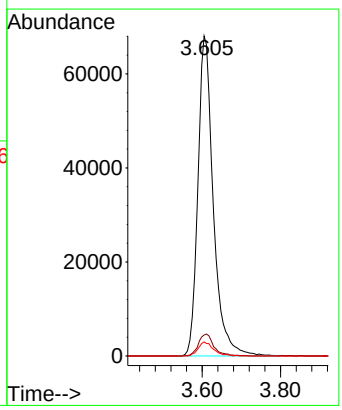


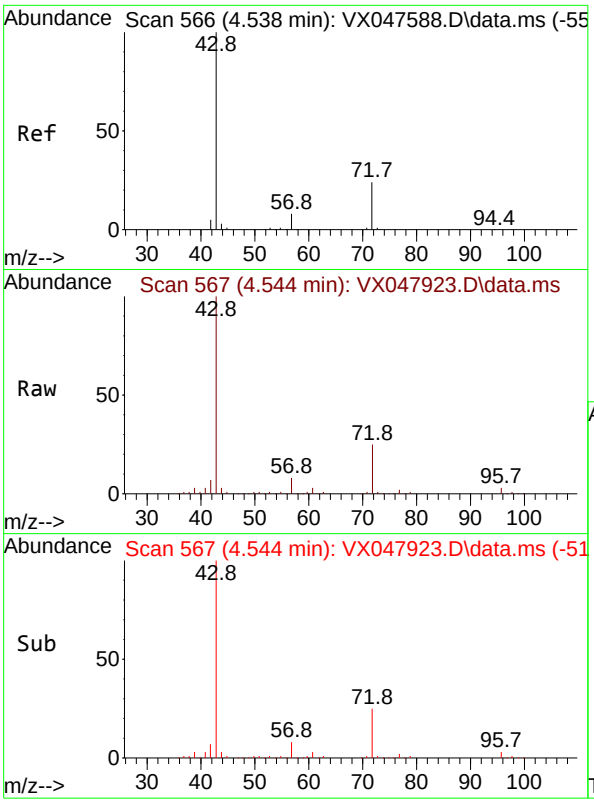


#24
1,1-Dichloroethane
Concen: 55.634 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 63 Resp: 186212

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.8	11.2
100	4.4	2.3	6.9



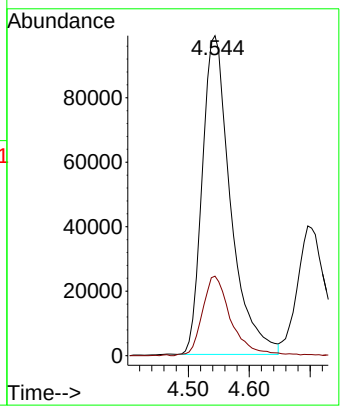


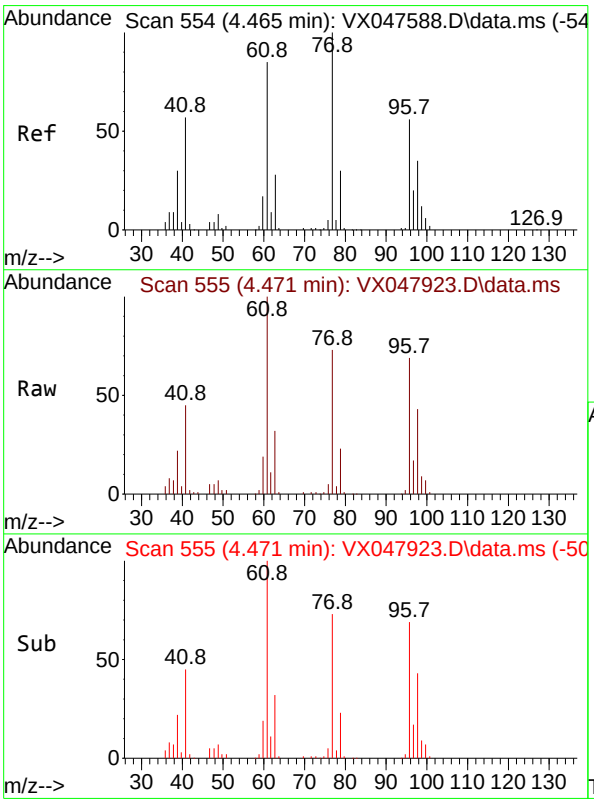
#25
2-Butanone
Concen: 279.147 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 319392

Ion	Ratio	Lower	Upper
43	100		
72	24.3	20.1	30.1

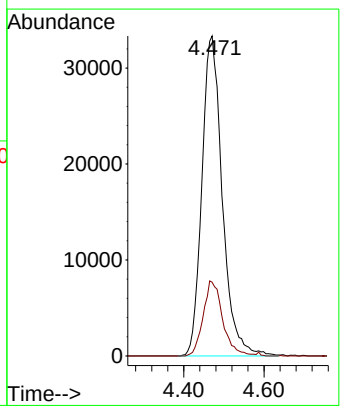


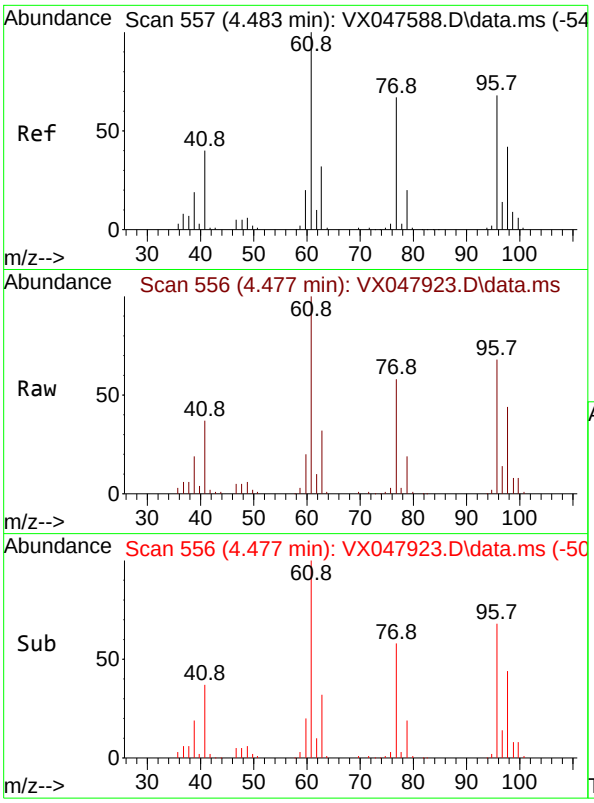


#26
2,2-Dichloropropane
Concen: 42.330 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 77 Resp: 117774

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.9	32.7



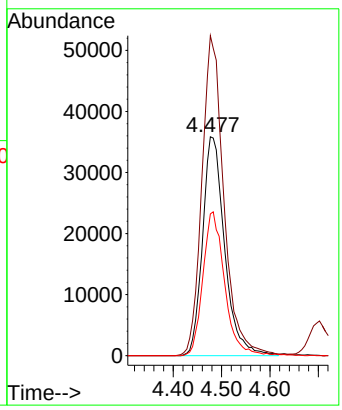


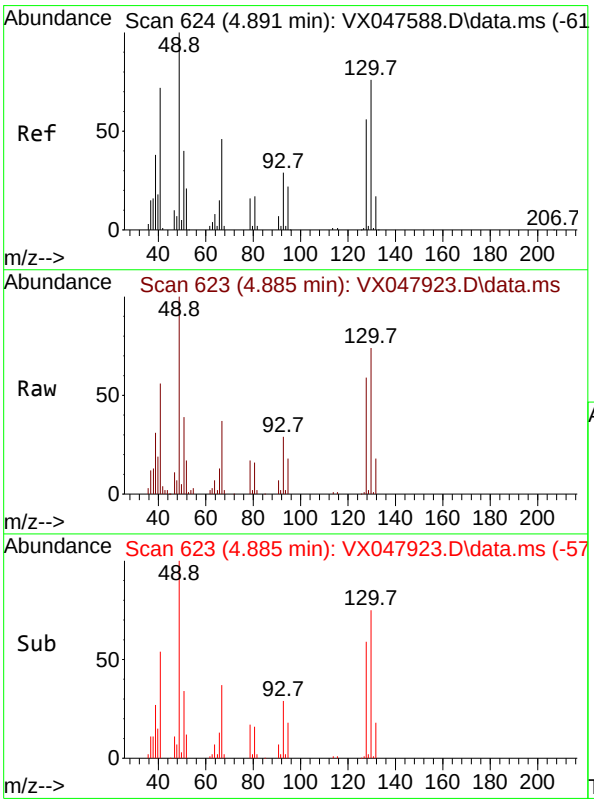
#27
cis-1,2-Dichloroethene
Concen: 54.761 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 113694

Ion	Ratio	Lower	Upper
96	100		
61	145.7	0.0	303.2
98	64.9	0.0	127.8

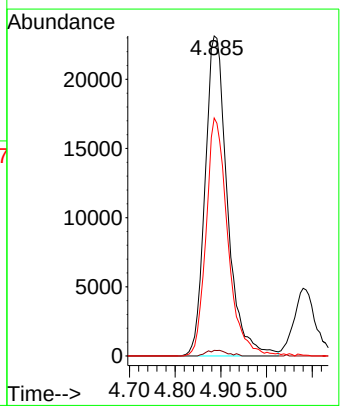


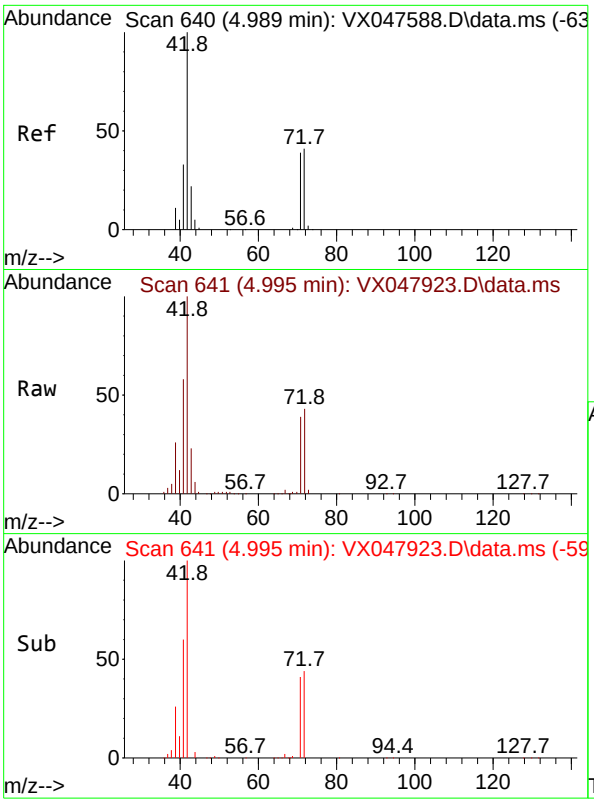


#28
Bromochloromethane
Concen: 53.604 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 49 Resp: 78327

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	72.5	57.8	86.8



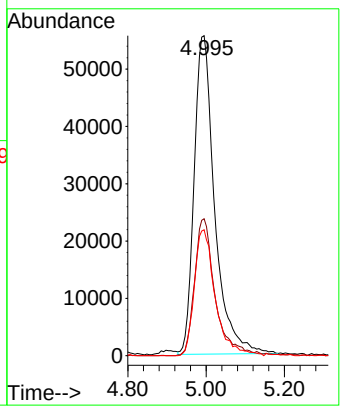


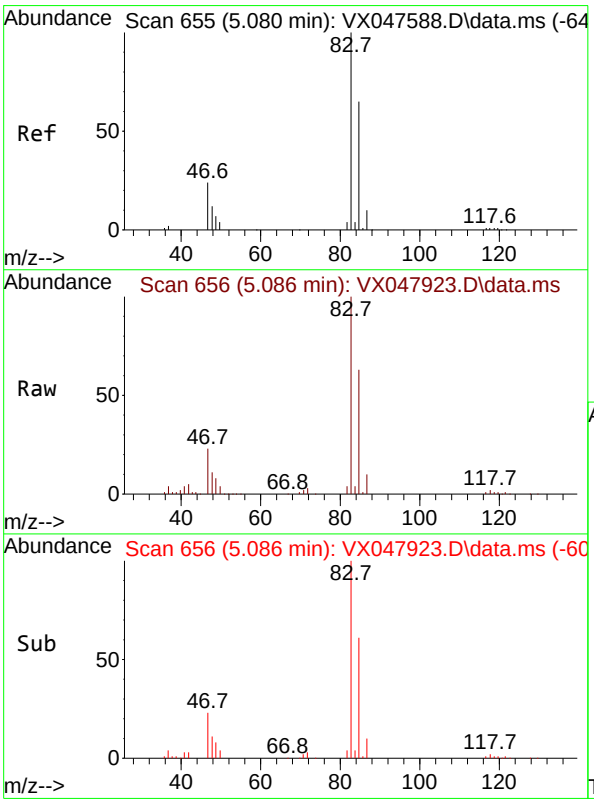
#29
Tetrahydrofuran
Concen: 294.905 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 202985

Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.2	51.2
71	40.0	31.9	47.9

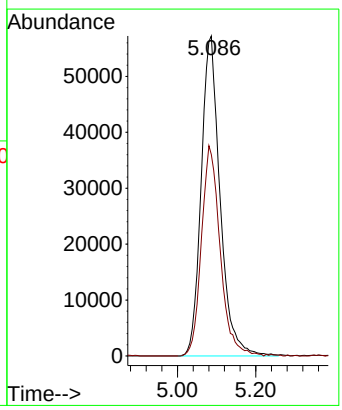


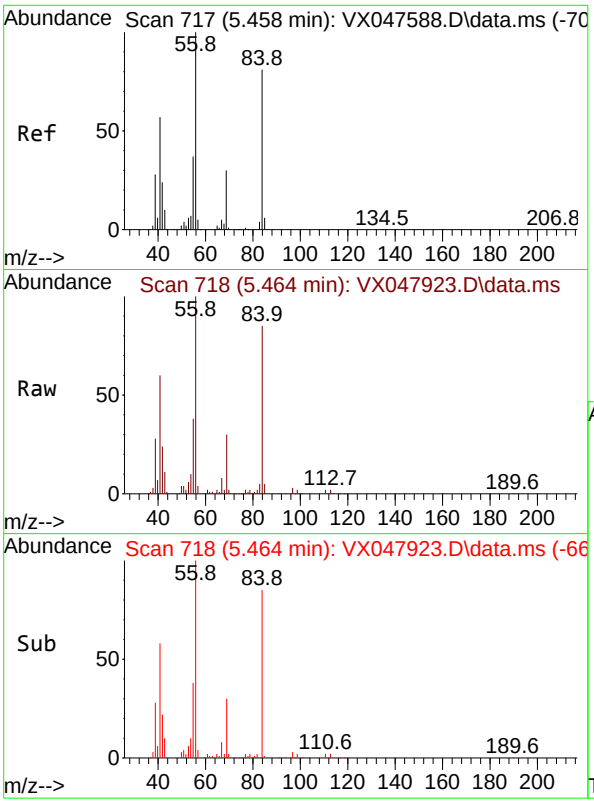


#30
Chloroform
Concen: 56.689 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 83 Resp: 191739

Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.8	77.6



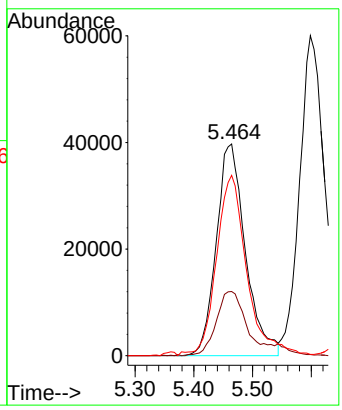


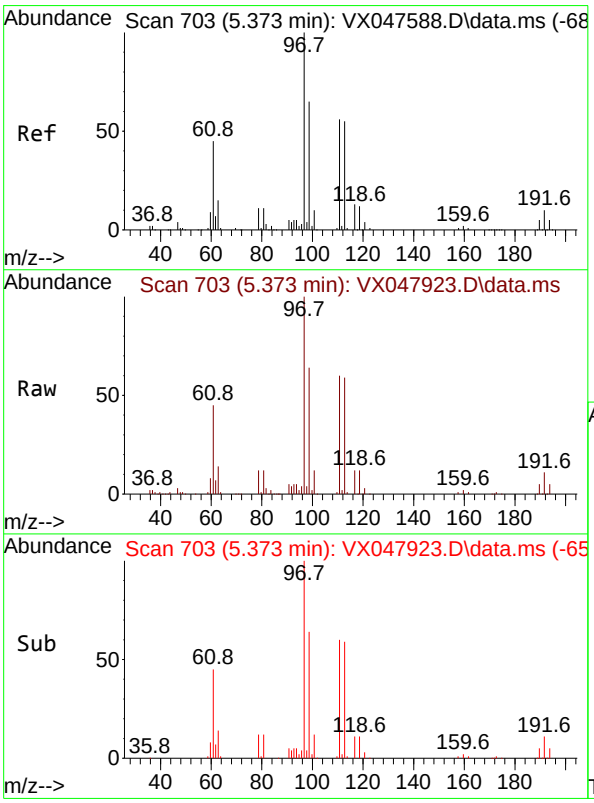
#31
Cyclohexane
Concen: 49.011 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 136628

Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.8	35.8
84	85.0	64.6	97.0

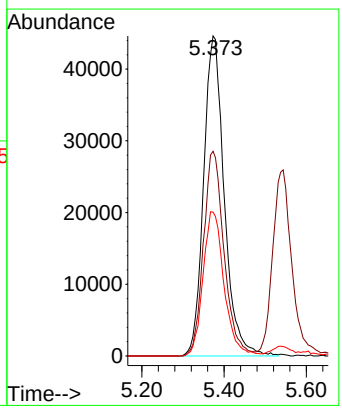


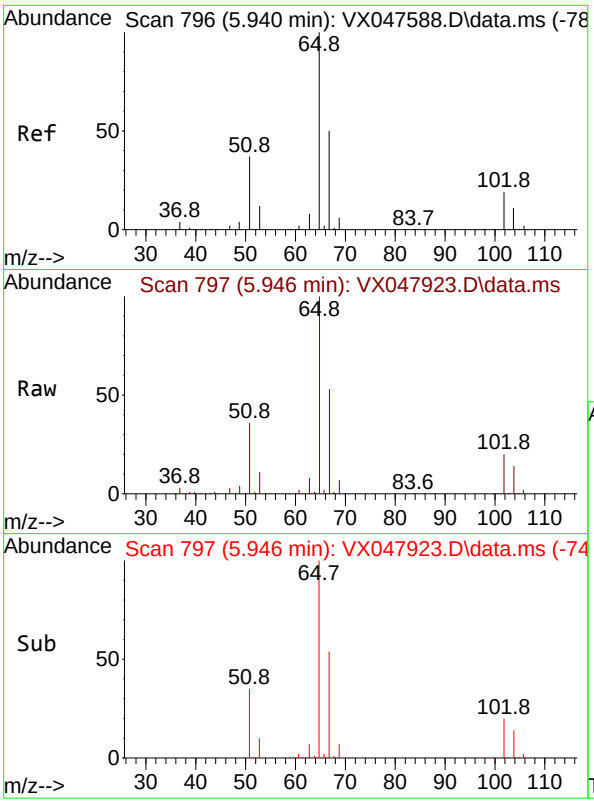


#32
1,1,1-Trichloroethane
Concen: 54.189 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 97 Resp: 155464

Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.6	76.0
61	46.0	35.8	53.8



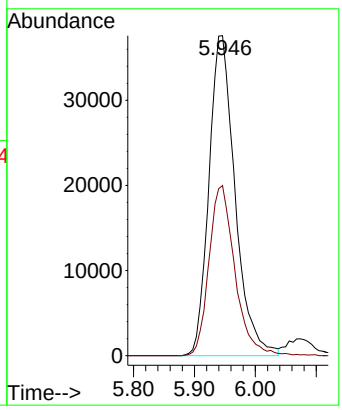


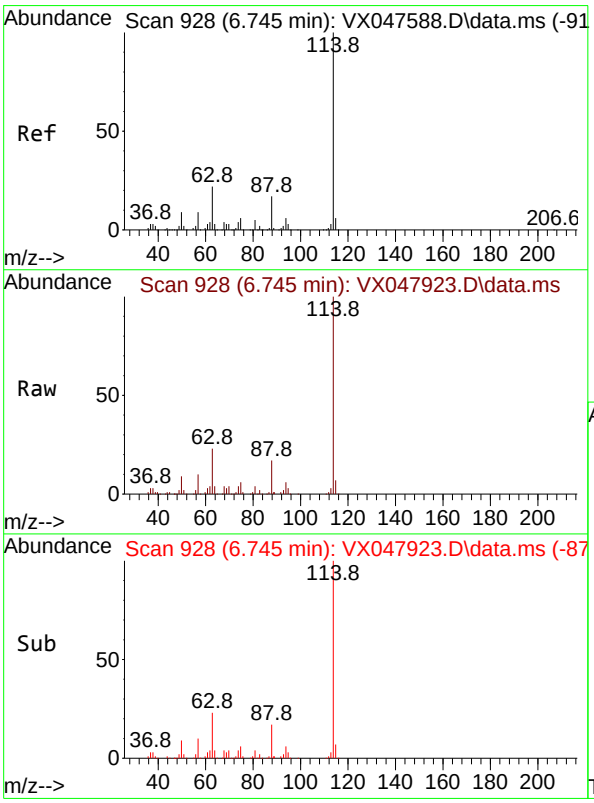
#33
1,2-Dichloroethane-d4
Concen: 53.045 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 111905

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	103.0

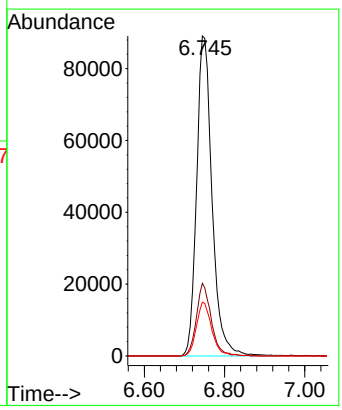


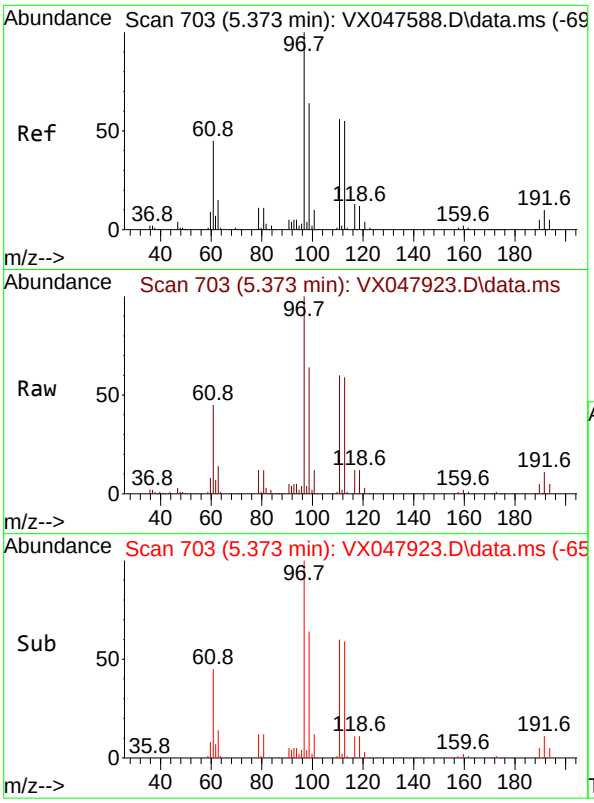


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:114 Resp: 238365

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	44.0
88	16.8	0.0	34.2



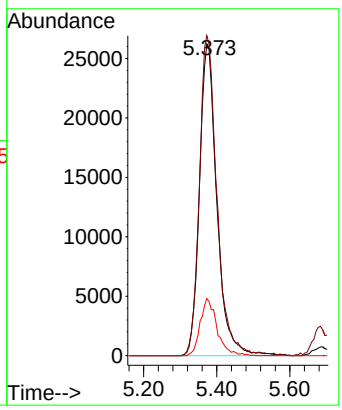


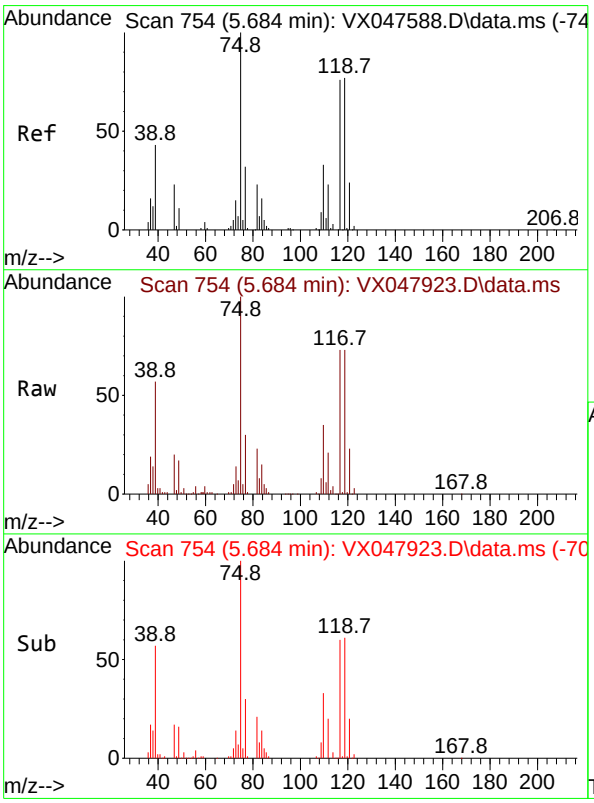
#35
Dibromofluoromethane
Concen: 54.153 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 86570

Ion	Ratio	Lower	Upper
113	100		
111	102.8	80.9	121.3
192	17.7	14.2	21.4

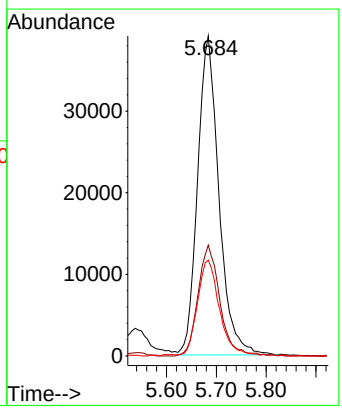


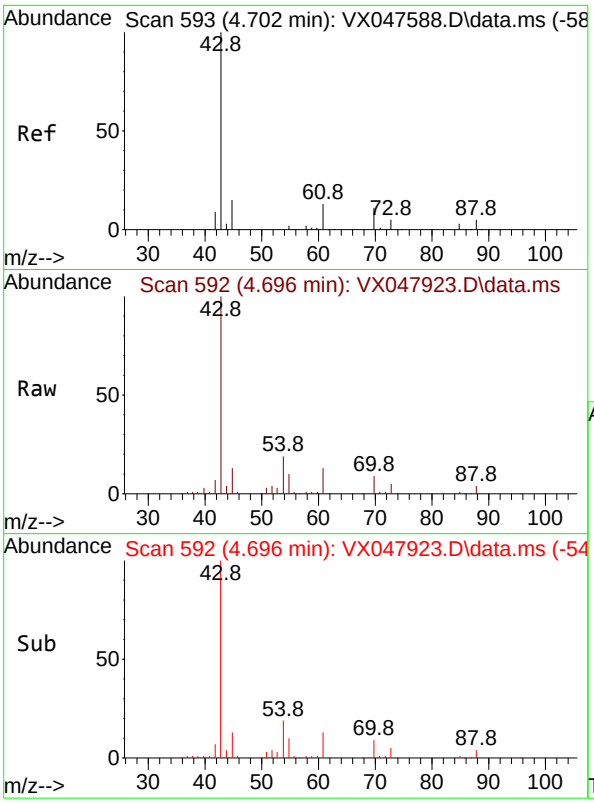


#36
1,1-Dichloropropene
Concen: 49.637 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 75 Resp: 115949

Ion	Ratio	Lower	Upper
75	100		
110	35.7	16.7	50.1
77	31.2	24.3	36.5



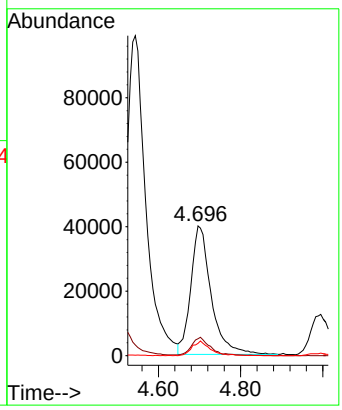


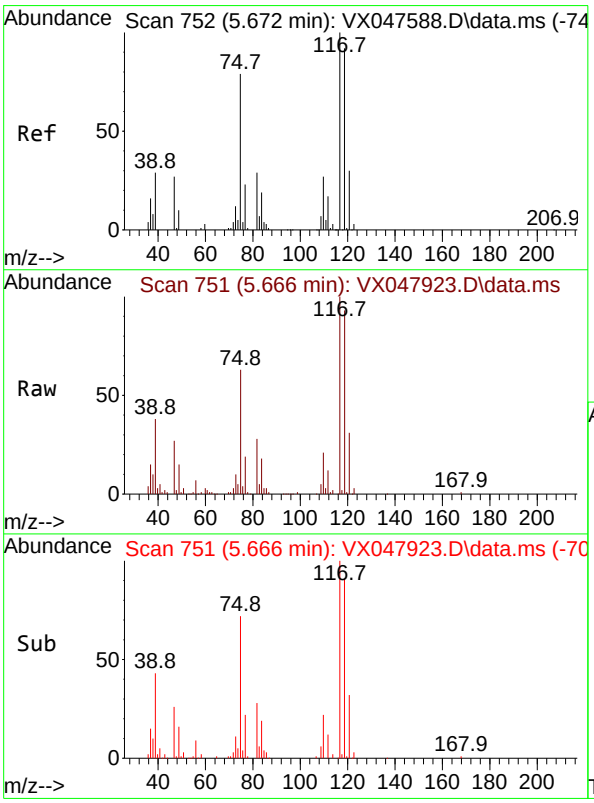
#37
Ethyl Acetate
Concen: 54.746 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 136927

Ion	Ratio	Lower	Upper
43	100		
61	12.4	9.8	14.8
70	10.1	7.9	11.9

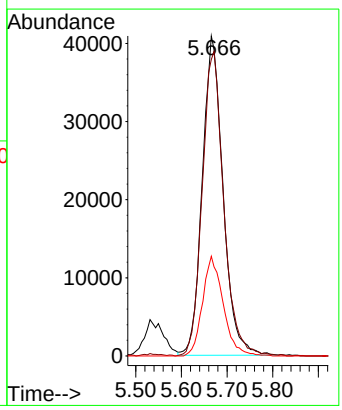


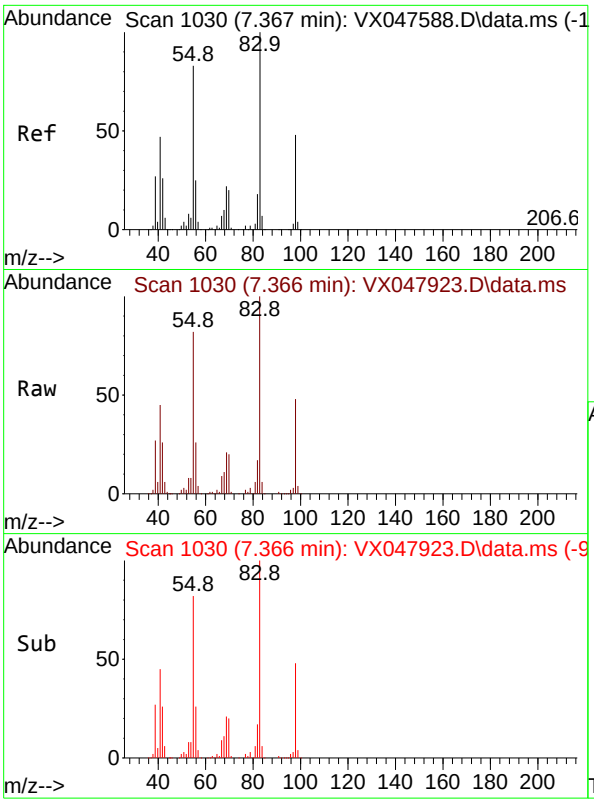


#38
Carbon Tetrachloride
Concen: 50.785 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:117 Resp: 128895

Ion	Ratio	Lower	Upper
117	100		
119	92.7	73.4	110.2
121	31.2	23.8	35.6



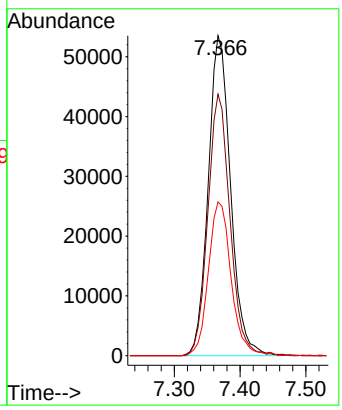


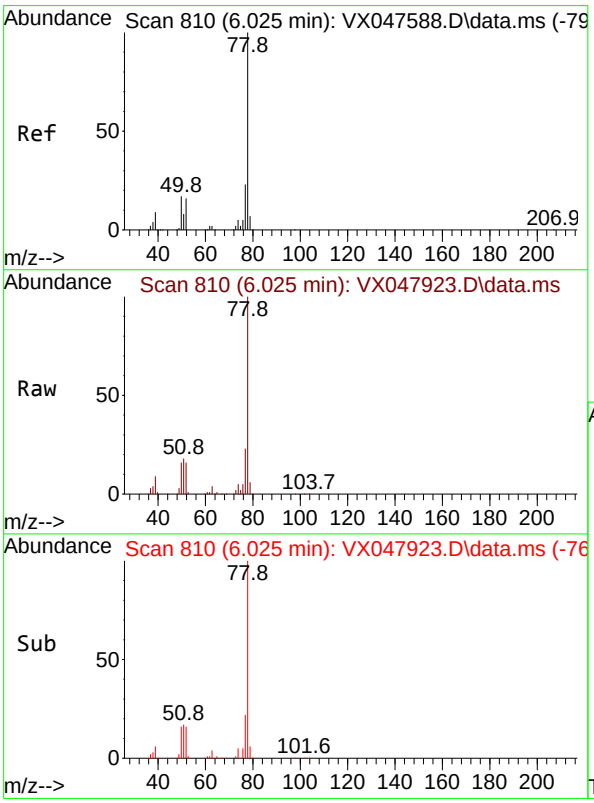
#39
Methylcyclohexane
Concen: 47.806 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 126763

Ion	Ratio	Lower	Upper
83	100		
55	81.7	66.4	99.6
98	48.0	38.1	57.1

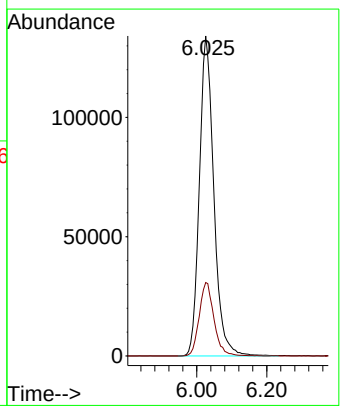


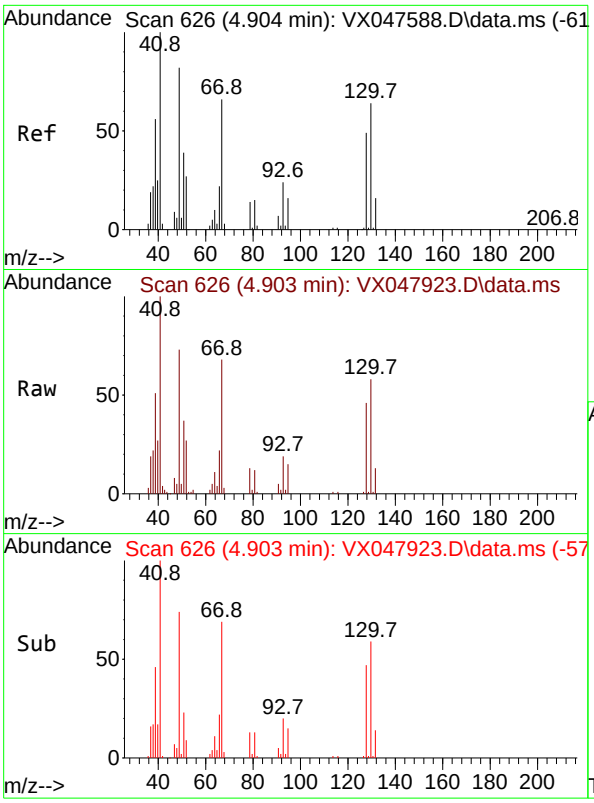


#40
Benzene
Concen: 54.213 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 78 Resp: 384636

Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.8	28.2



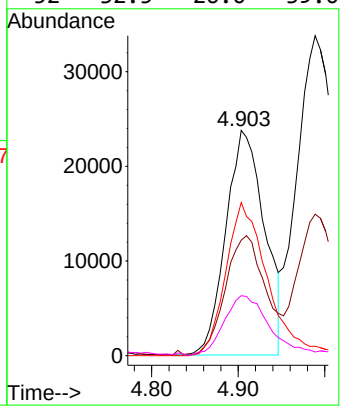


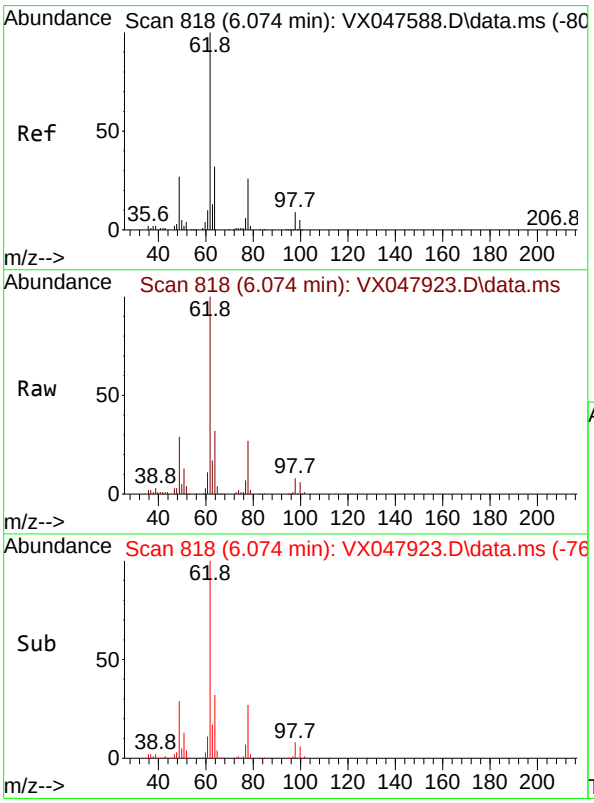
#41
Methacrylonitrile
Concen: 57.078 ug/l
RT: 4.903 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 73700

Ion	Ratio	Lower	Upper
41	100		
39	55.3	43.3	64.9
67	74.9	58.6	87.8
52	32.5	26.0	39.0

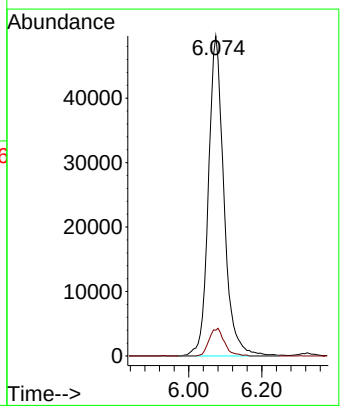


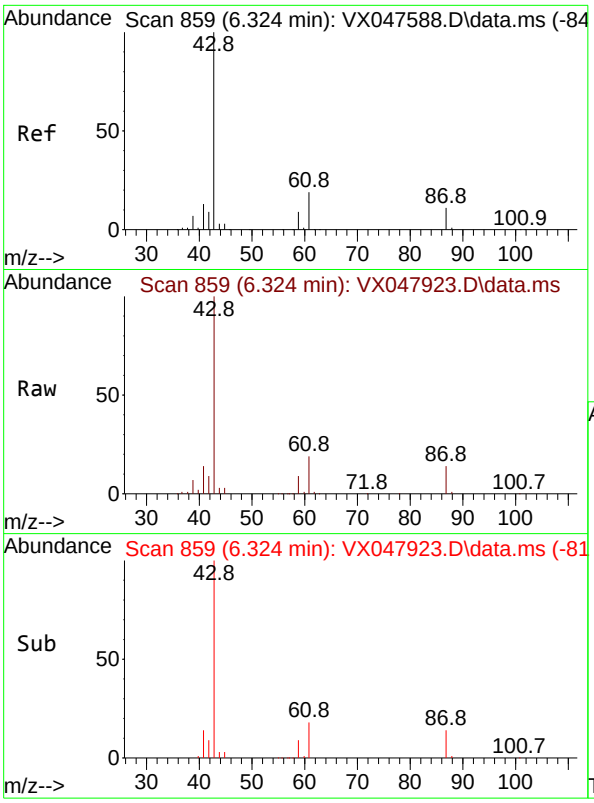


#42
1,2-Dichloroethane
Concen: 54.079 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 62 Resp: 145986

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0



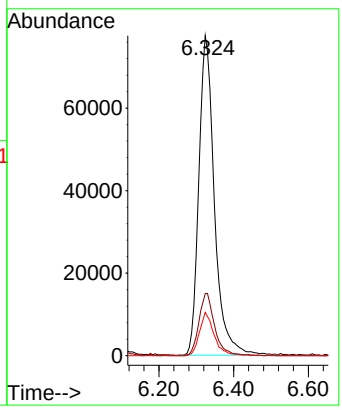


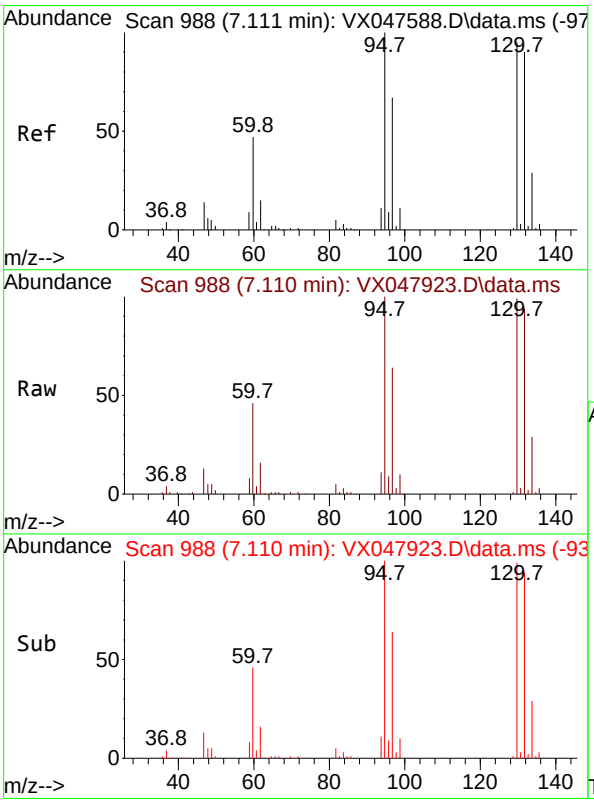
#43
Isopropyl Acetate
Concen: 54.708 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 224413

Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.2	22.8
87	12.7	9.6	14.4

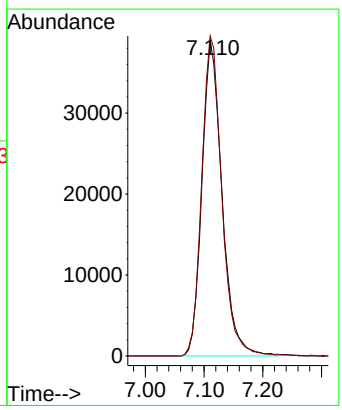


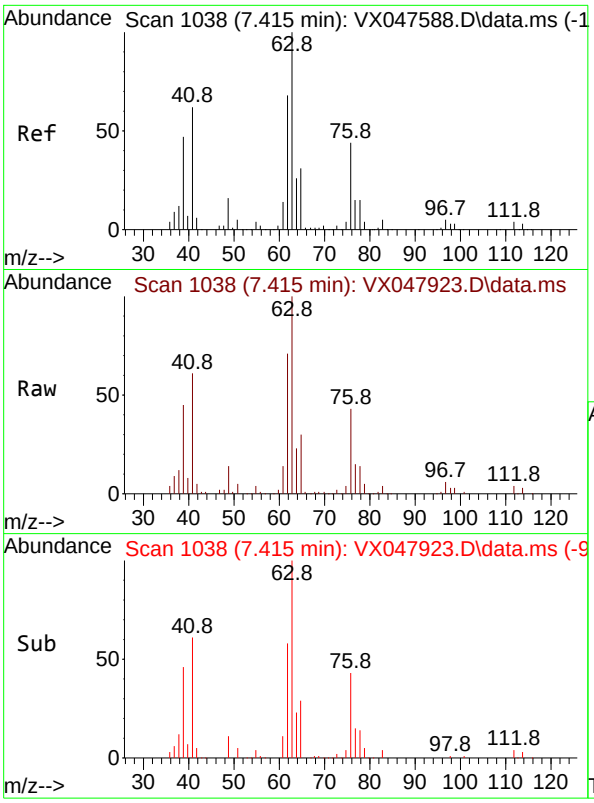


#44
Trichloroethene
Concen: 53.847 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:130 Resp: 92363

Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	210.8



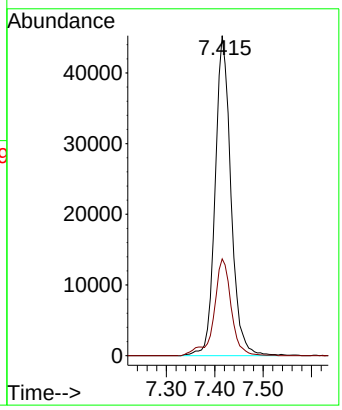


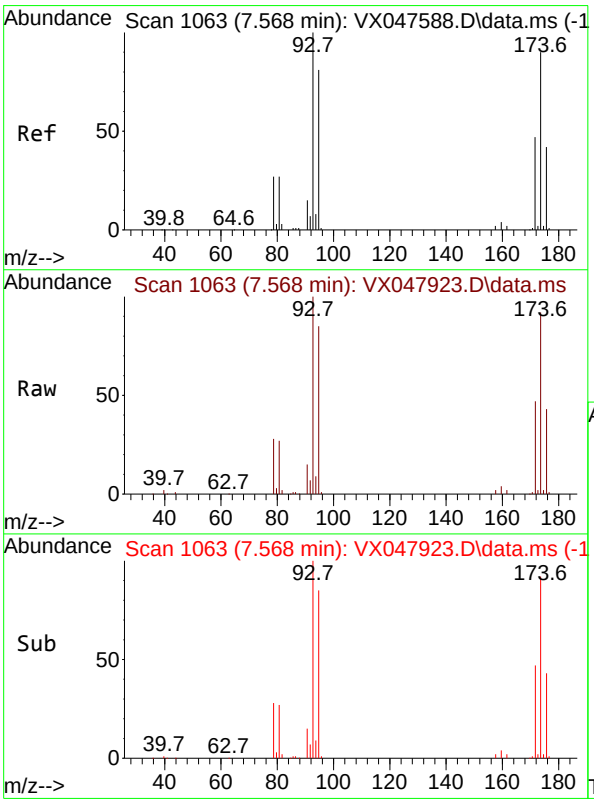
#45
1,2-Dichloropropane
Concen: 56.471 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 102592

Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.7	37.1

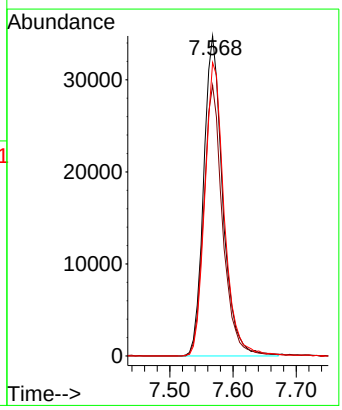


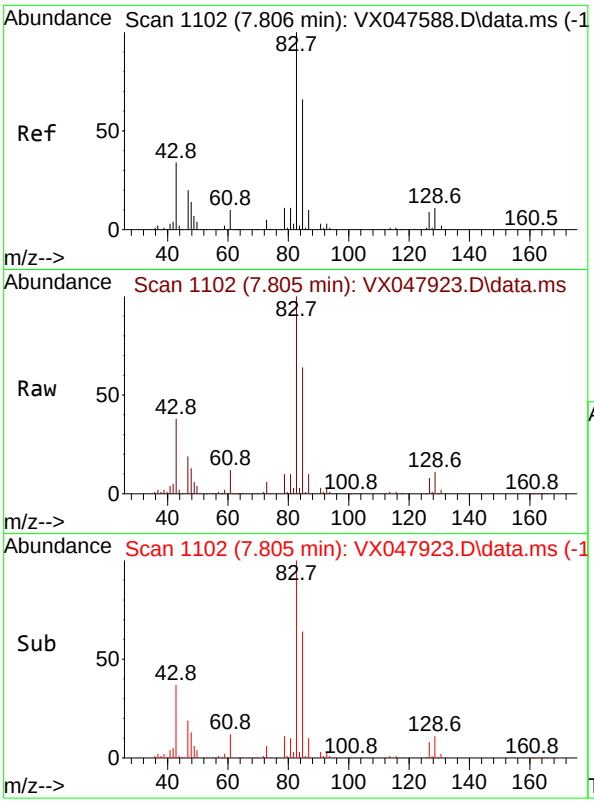


#46
Dibromomethane
Concen: 55.099 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 93 Resp: 72842

Ion	Ratio	Lower	Upper
93	100		
95	84.3	65.0	97.6
174	93.5	71.6	107.4



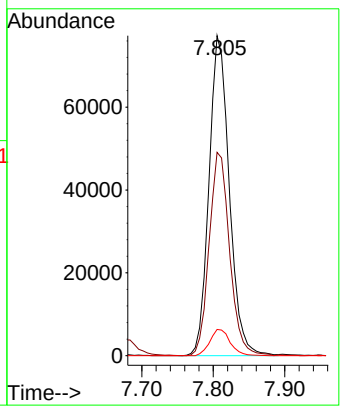


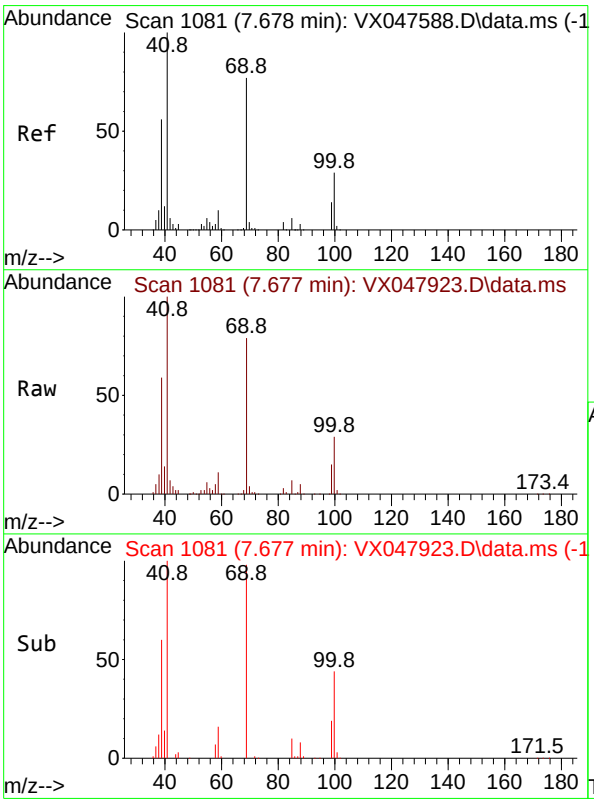
#47
Bromodichloromethane
Concen: 55.883 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 152453

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.5	78.7
127	8.2	6.9	10.3

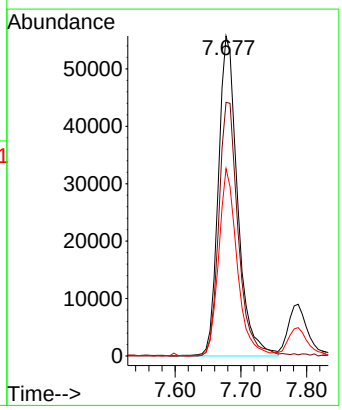


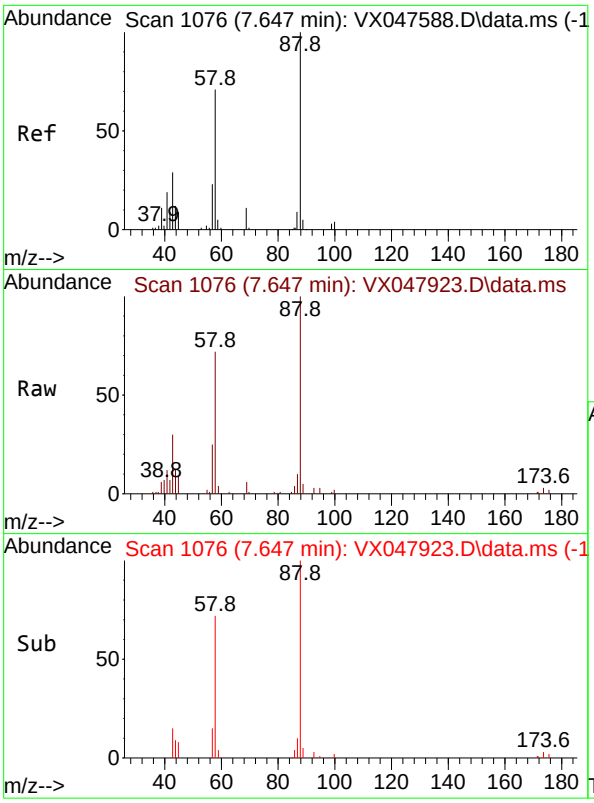


#48
Methyl methacrylate
Concen: 55.472 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 41 Resp: 113343

Ion	Ratio	Lower	Upper
41	100		
69	80.0	61.4	92.2
39	56.3	45.8	68.6



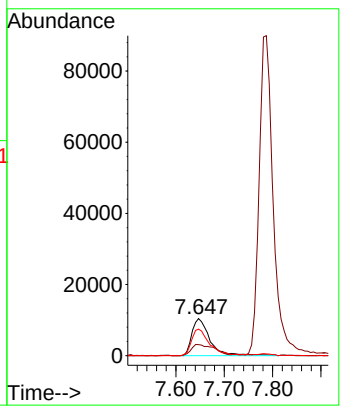


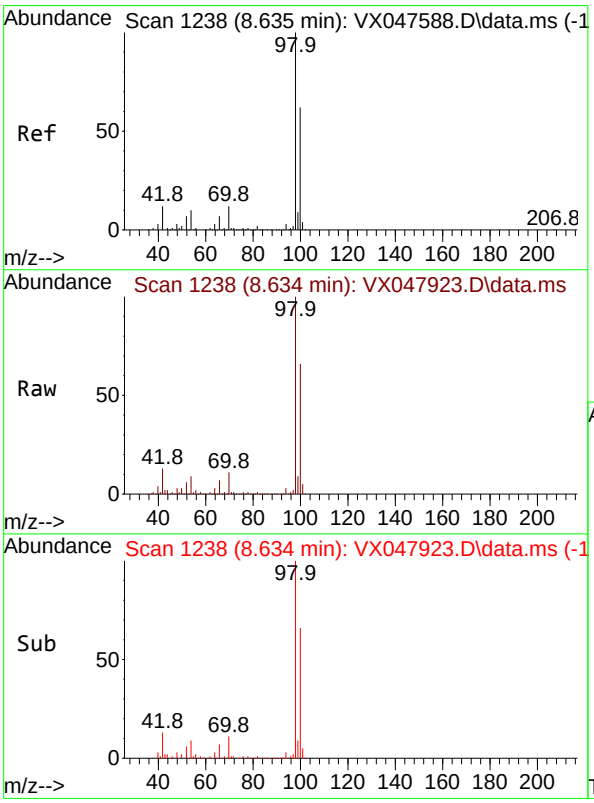
#49
1,4-Dioxane
Concen: 1305.423 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 26956

Ion	Ratio	Lower	Upper
88	100		
43	38.9	30.2	45.2
58	71.8	59.5	89.3

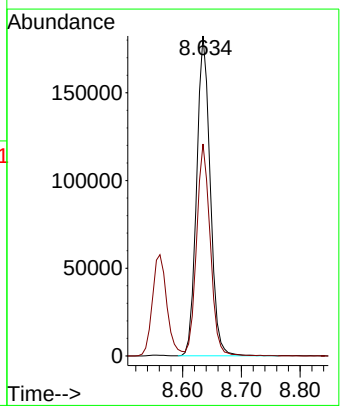


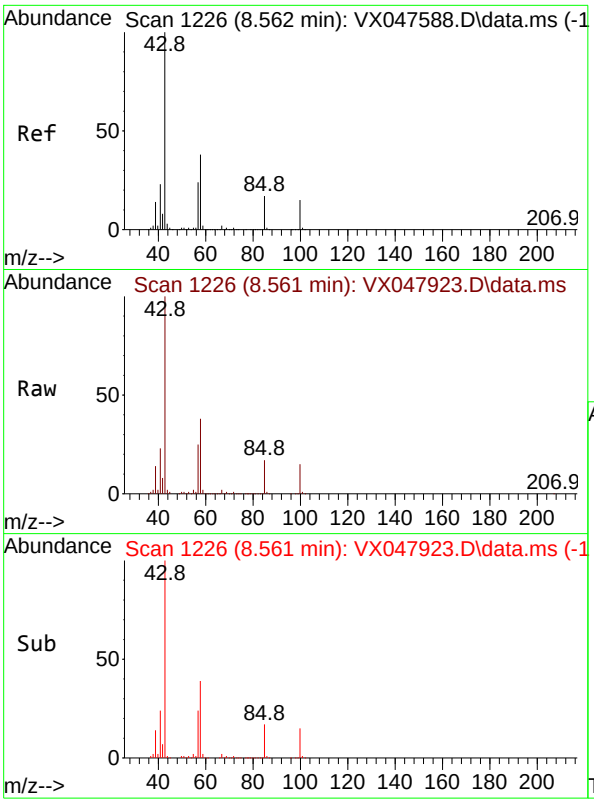


#50
Toluene-d8
Concen: 53.040 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 98 Resp: 293390

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.0	79.4



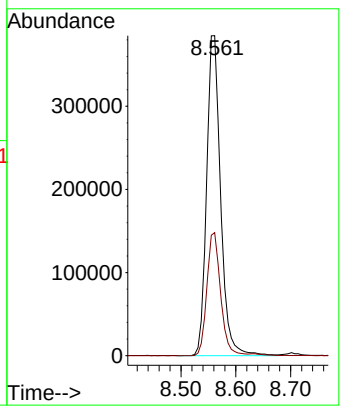


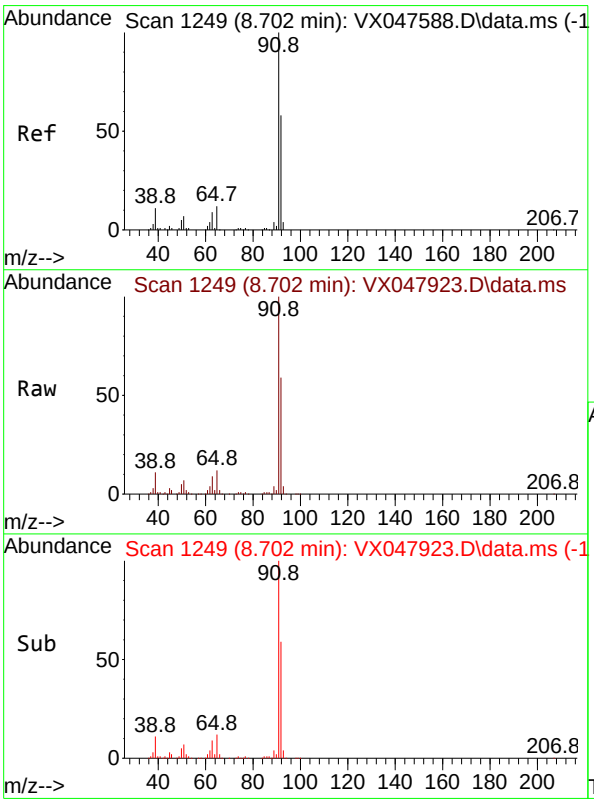
#51
4-Methyl-2-Pentanone
Concen: 298.935 ug/l
RT: 8.561 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 679876

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.3	45.5

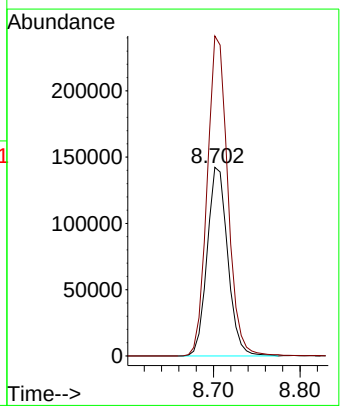


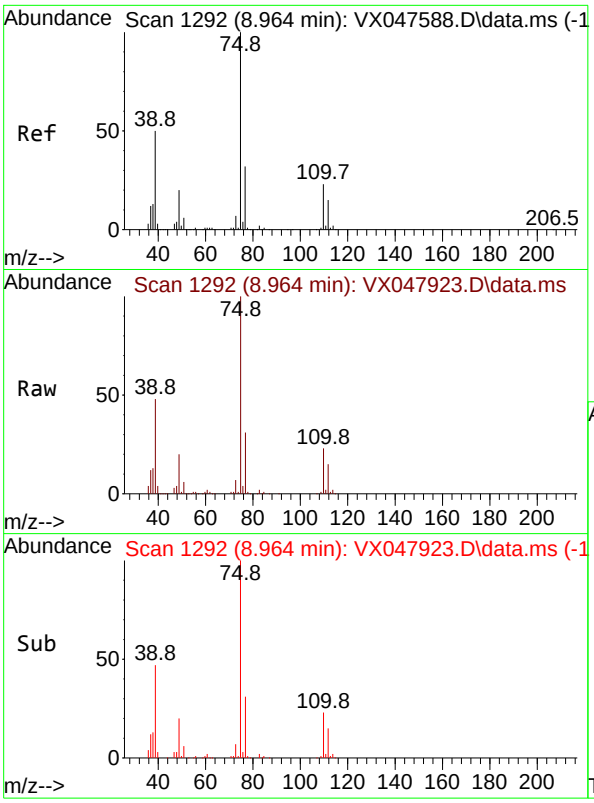


#52
Toluene
Concen: 53.729 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 92 Resp: 234858

Ion	Ratio	Lower	Upper
92	100		
91	170.0	137.1	205.7



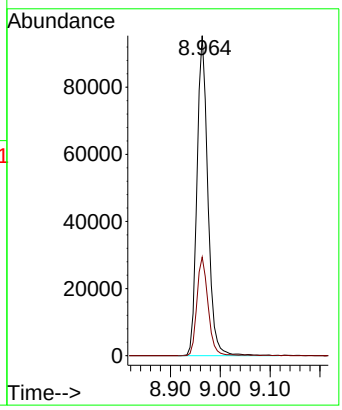


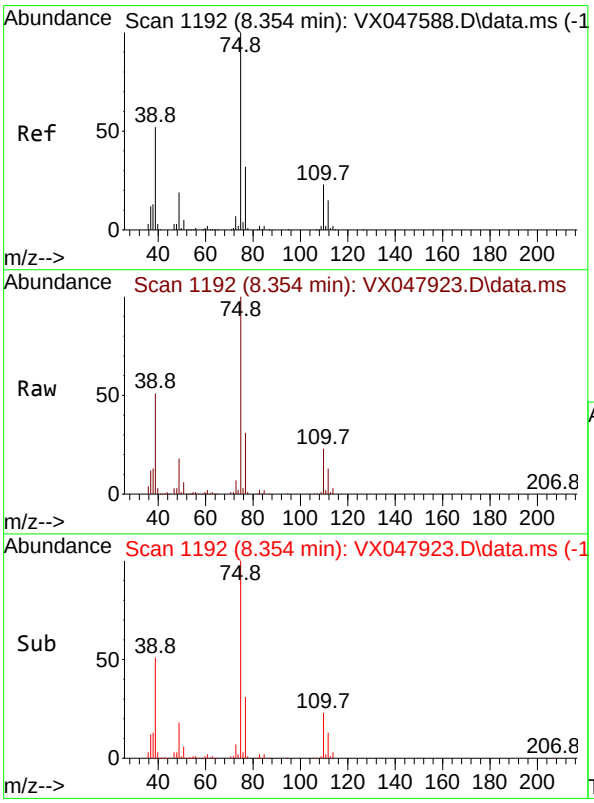
#53
t-1,3-Dichloropropene
Concen: 52.010 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 144726

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.4	38.2

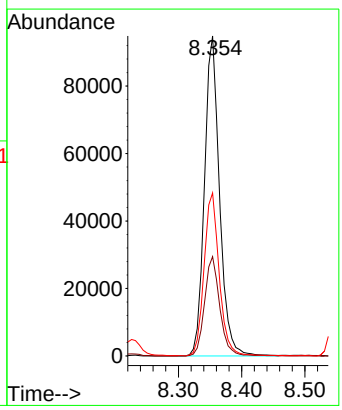


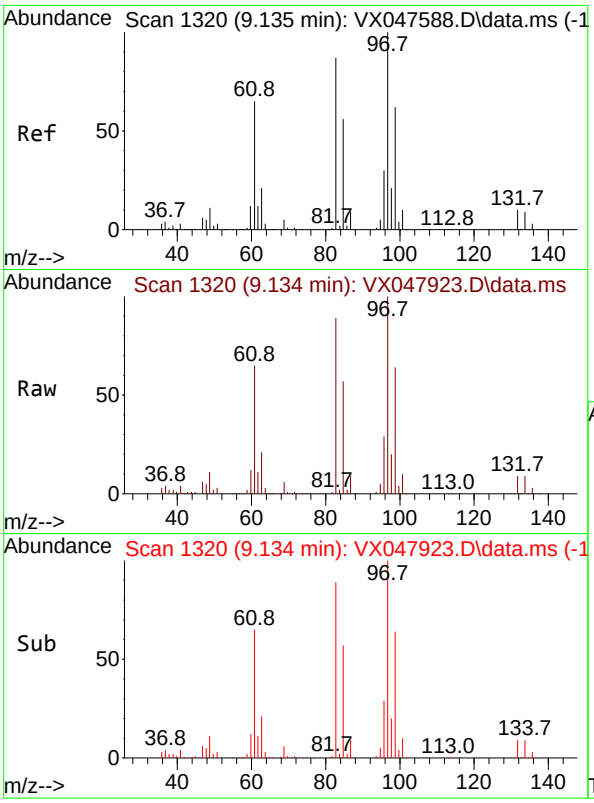


#54
cis-1,3-Dichloropropene
Concen: 52.943 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 75 Resp: 157465

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.8	38.6
39	50.8	41.4	62.2



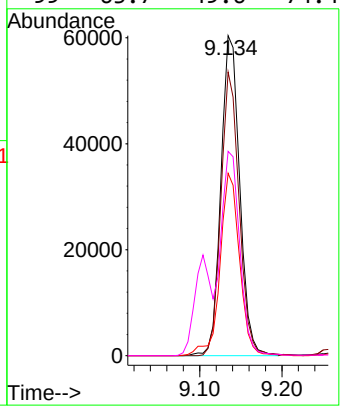


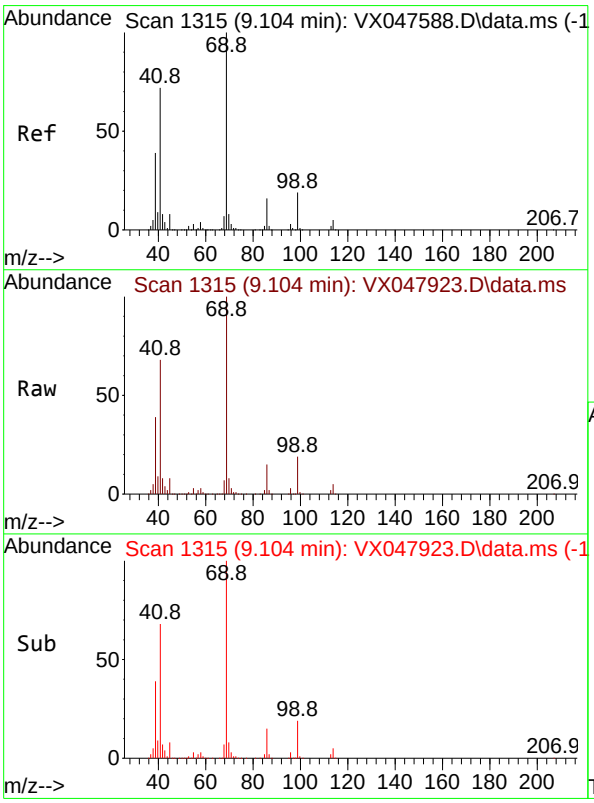
#55
1,1,2-Trichloroethane
Concen: 56.947 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 95983

Ion	Ratio	Lower	Upper
97	100		
83	88.7	69.6	104.4
85	57.0	45.0	67.6
99	63.7	49.6	74.4

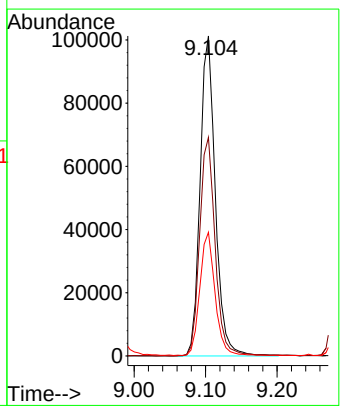


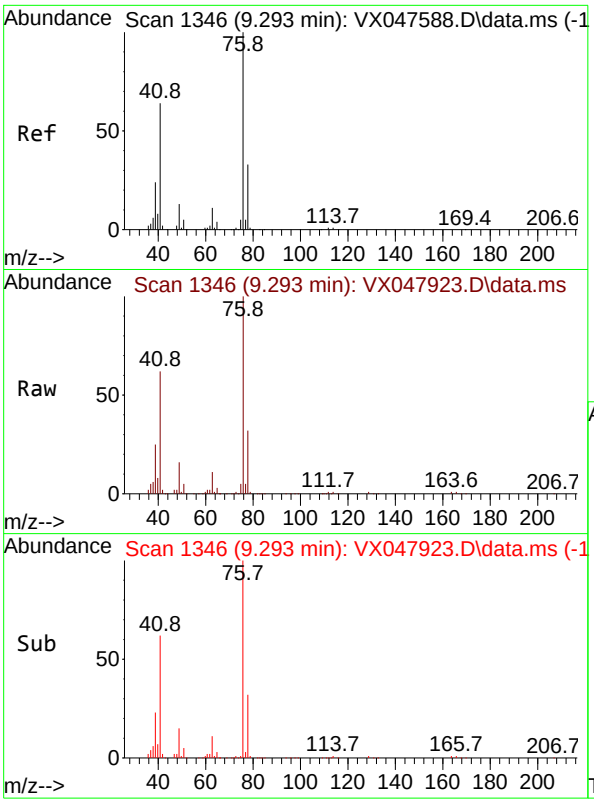


#56
Ethyl methacrylate
Concen: 56.599 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 69 Resp: 149817

Ion	Ratio	Lower	Upper
69	100		
41	69.7	58.6	87.8
39	38.5	31.5	47.3



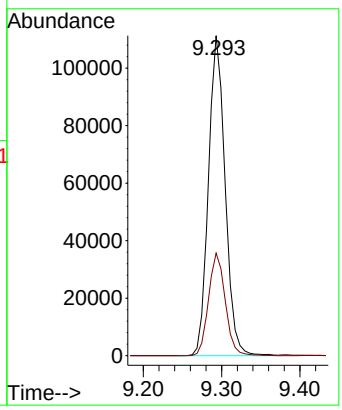


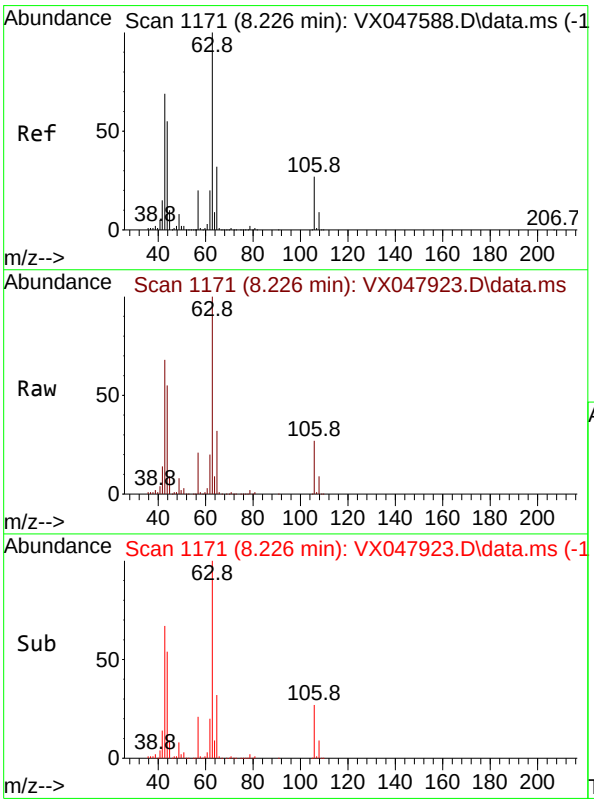
#57
1,3-Dichloropropane
Concen: 56.837 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 164563

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.2	39.4

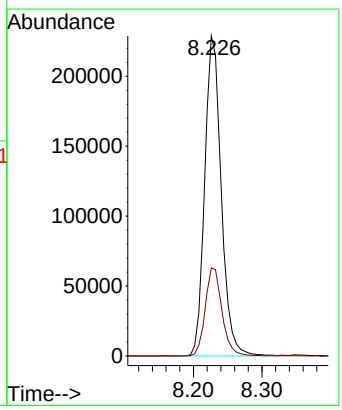


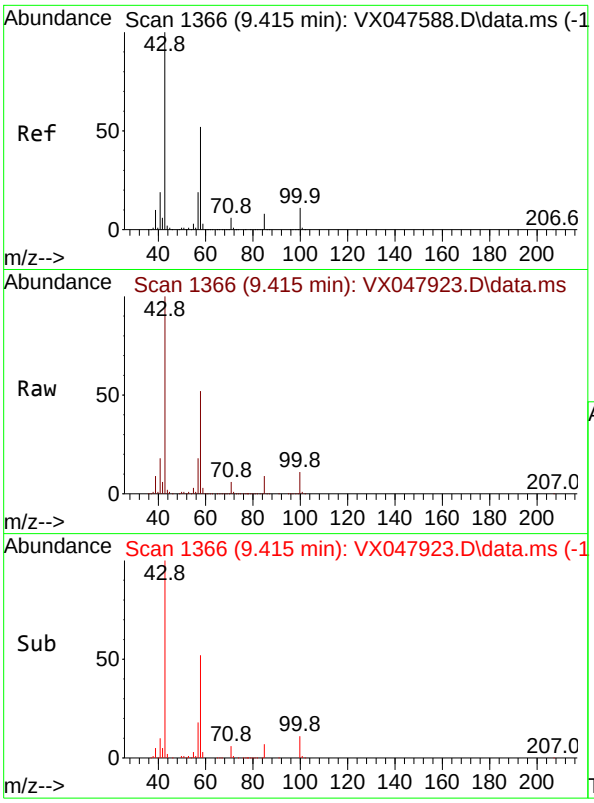


#58
2-Chloroethyl Vinyl ether
Concen: 300.103 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 63 Resp: 384496

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.9	32.9



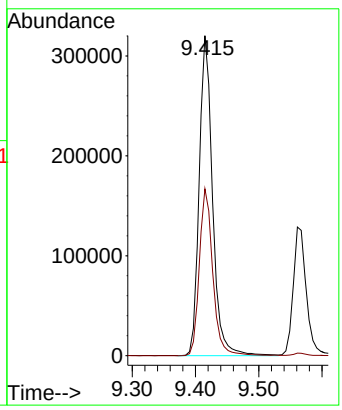


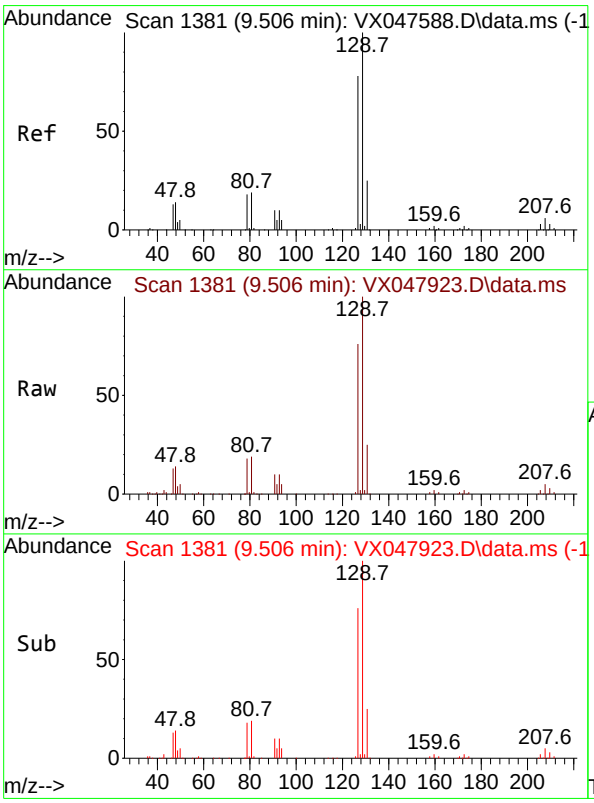
#59
2-Hexanone
Concen: 287.896 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 470259

Ion	Ratio	Lower	Upper
43	100		
58	52.8	26.1	78.2

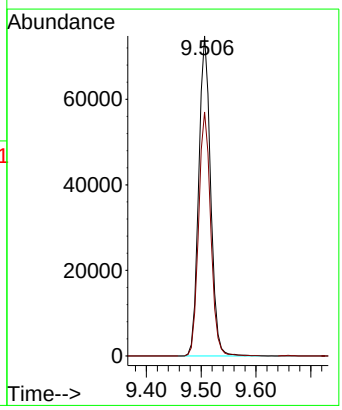


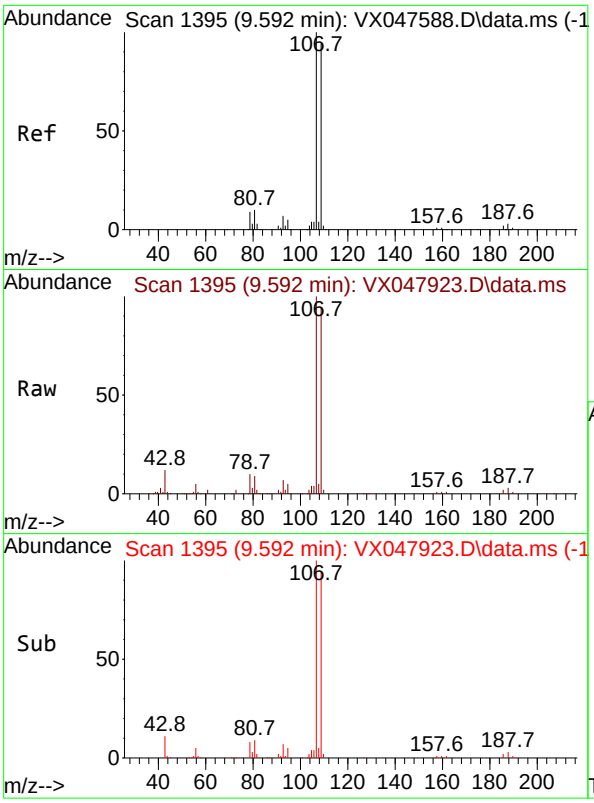


#60
Dibromochloromethane
Concen: 57.958 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:129 Resp: 112557

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.4	115.2



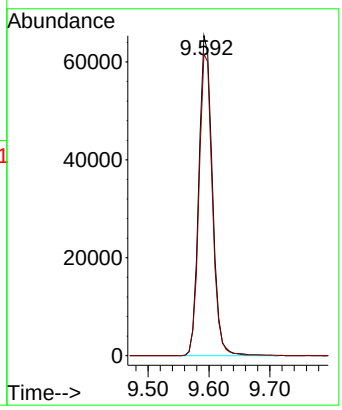


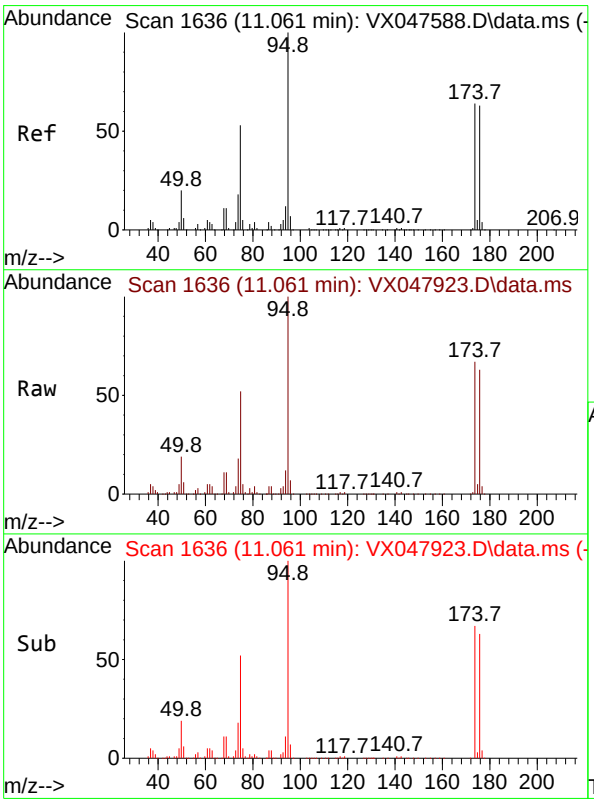
#61
1,2-Dibromoethane
Concen: 58.588 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 100581

Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.3	112.9

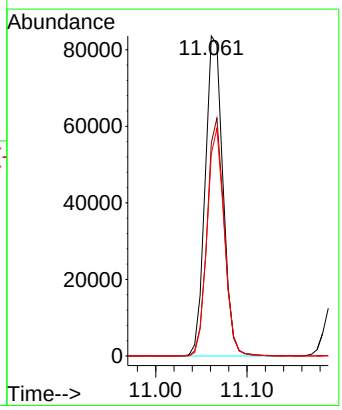


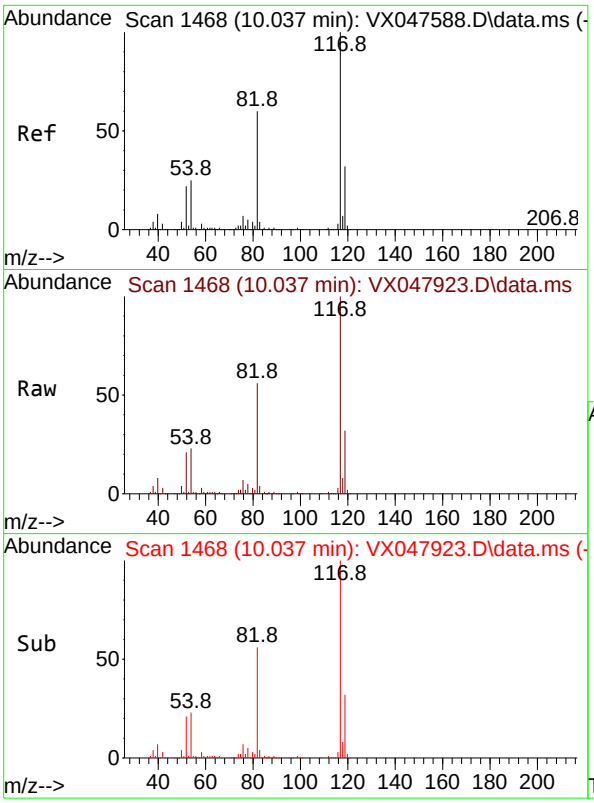


#62
4-Bromofluorobenzene
Concen: 53.472 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 95 Resp: 112253

Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	141.6
176	69.3	0.0	138.4



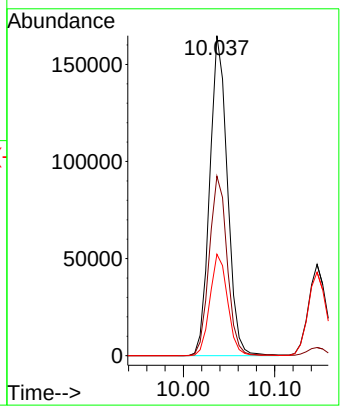


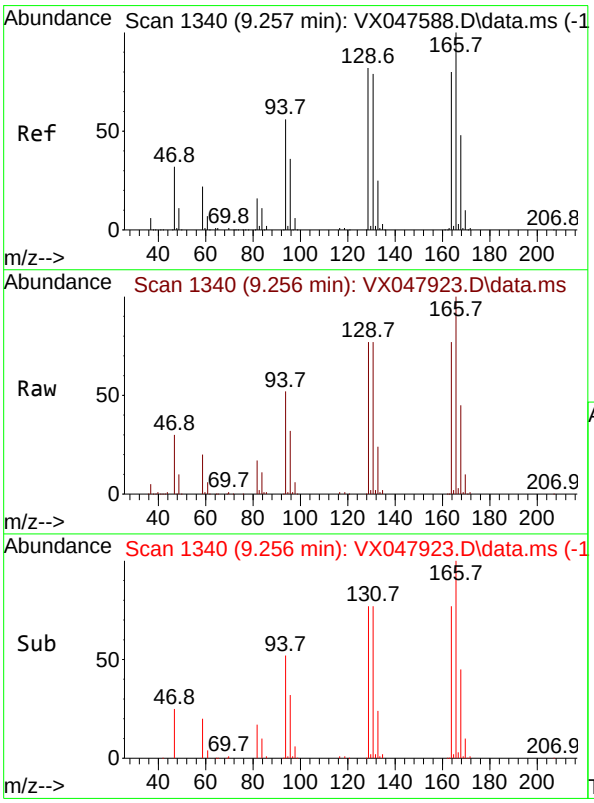
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 220521

Ion	Ratio	Lower	Upper
117	100		
82	56.1	47.8	71.6
119	31.7	25.2	37.8

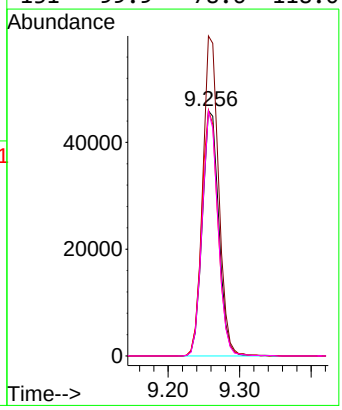


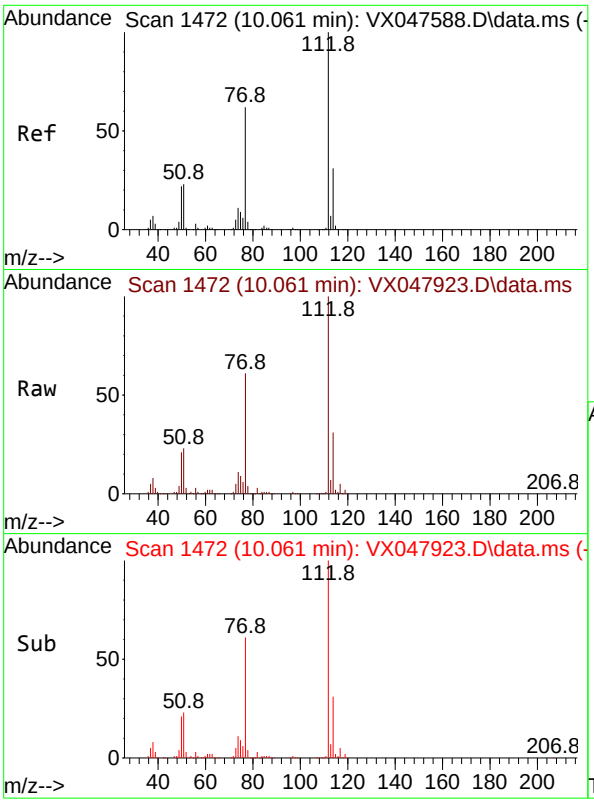


#64
Tetrachloroethene
Concen: 50.812 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:164 Resp: 73046

Ion	Ratio	Lower	Upper
164	100		
166	130.5	100.2	150.2
129	100.4	81.8	122.6
131	99.9	78.6	118.0



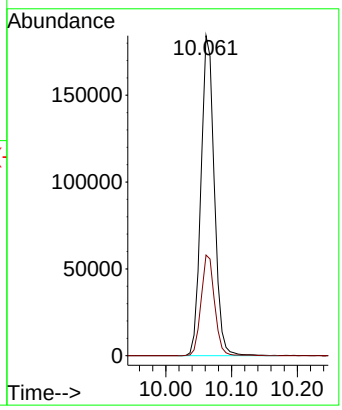


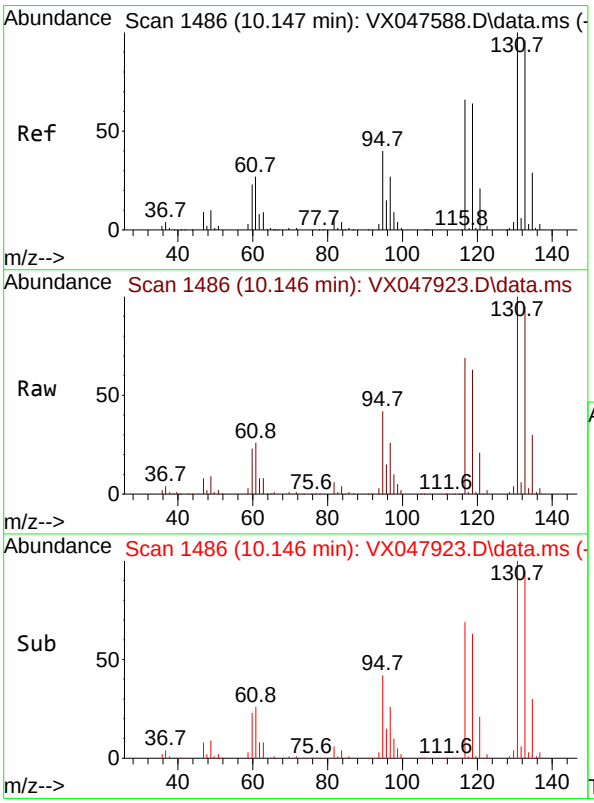
#65
Chlorobenzene
Concen: 51.854 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 259779

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.1	37.7

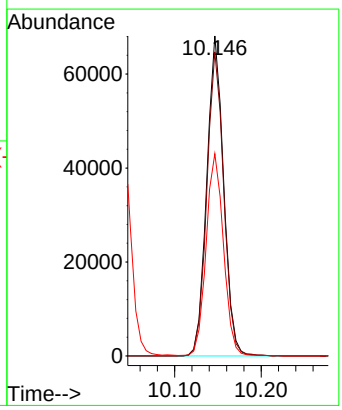


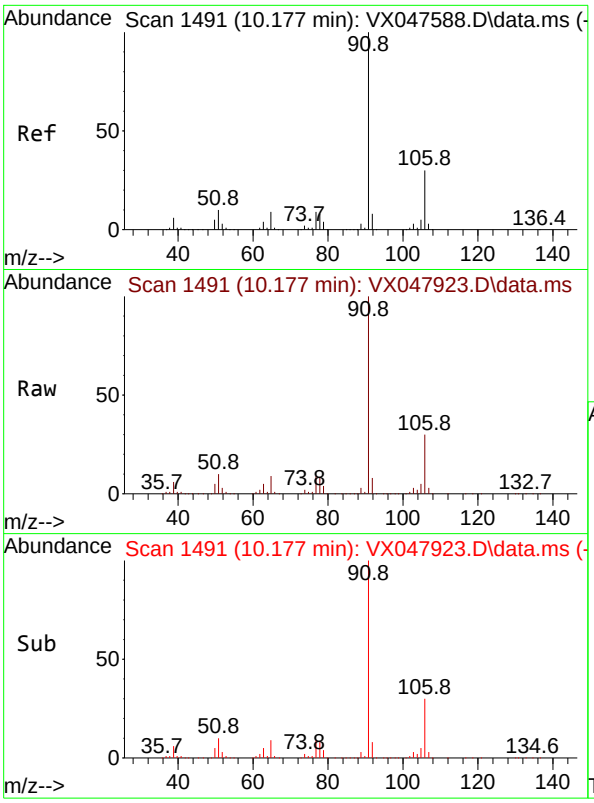


#66
1,1,1,2-Tetrachloroethane
Concen: 53.476 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:131 Resp: 92447

Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.3	142.0
119	65.1	32.0	96.0



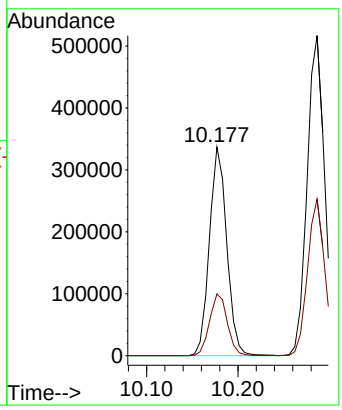


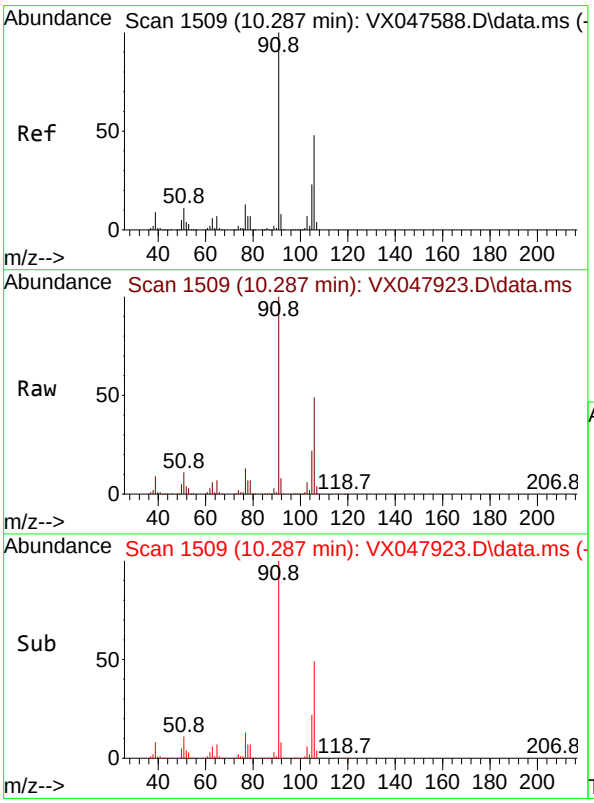
#67
Ethyl Benzene
Concen: 51.390 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 444221

Ion	Ratio	Lower	Upper
91	100		
106	29.6	24.3	36.5

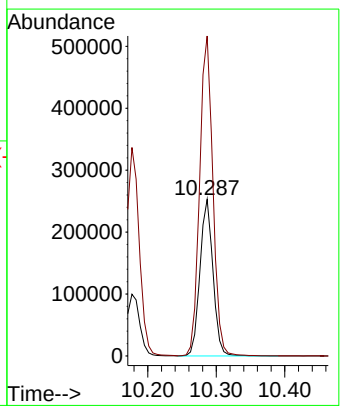


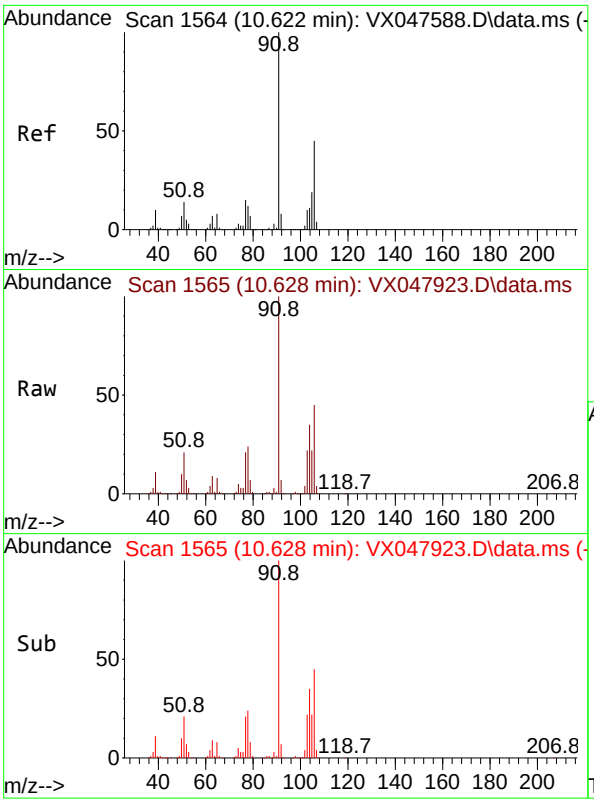


#68
m/p-Xylenes
Concen: 104.119 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:106 Resp: 334993

Ion	Ratio	Lower	Upper
106	100		
91	208.1	167.8	251.8



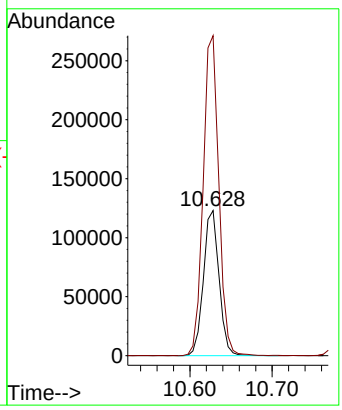


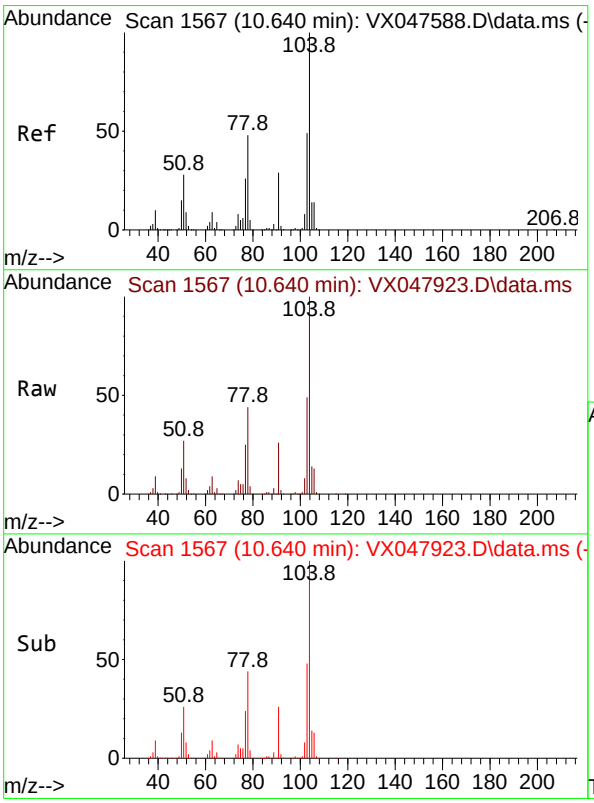
#69
o-Xylene
Concen: 52.032 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 161921

Ion	Ratio	Lower	Upper
106	100		
91	220.6	111.1	333.4

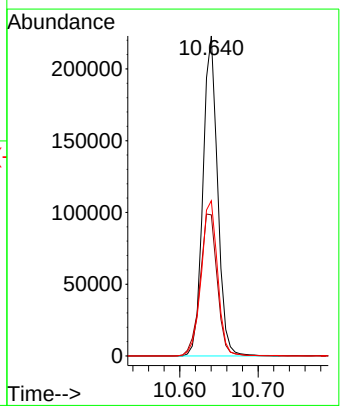


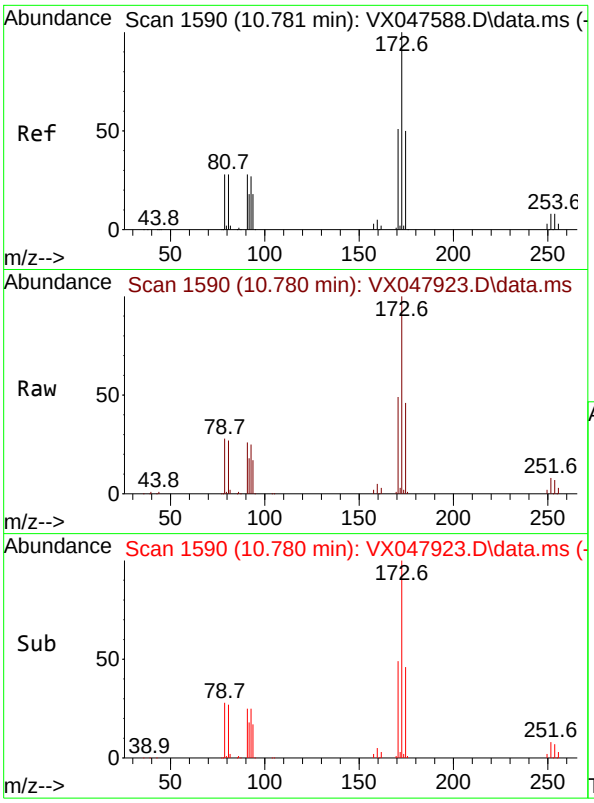


#70
Styrene
Concen: 53.035 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:104 Resp: 289190

Ion	Ratio	Lower	Upper
104	100		
78	51.8	43.1	64.7
103	54.1	43.1	64.7



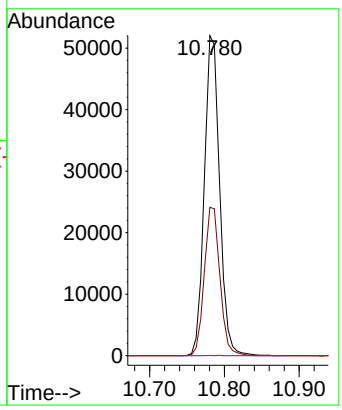


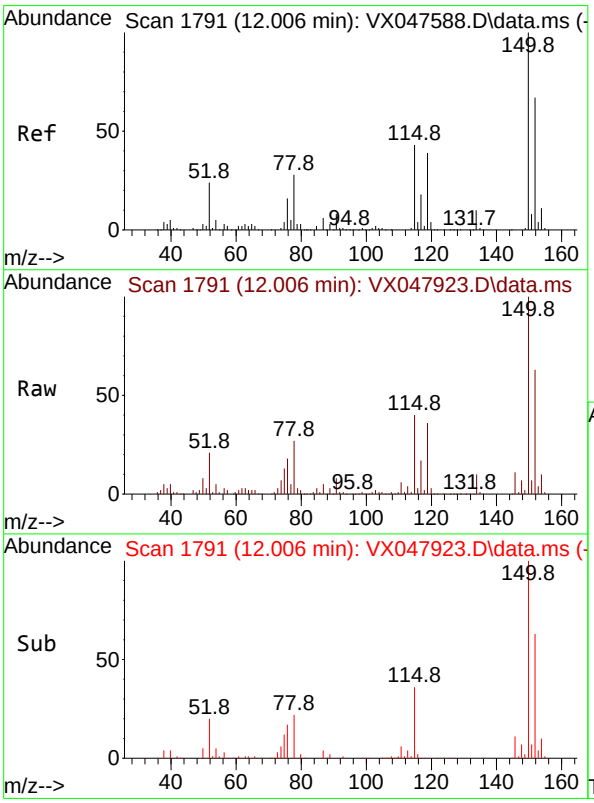
#71
Bromoform
Concen: 57.212 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 73852

Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.9	74.6
254	0.0	0.1	0.1#

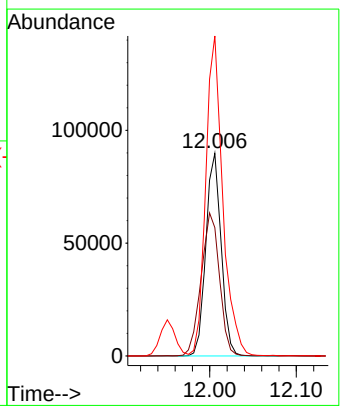


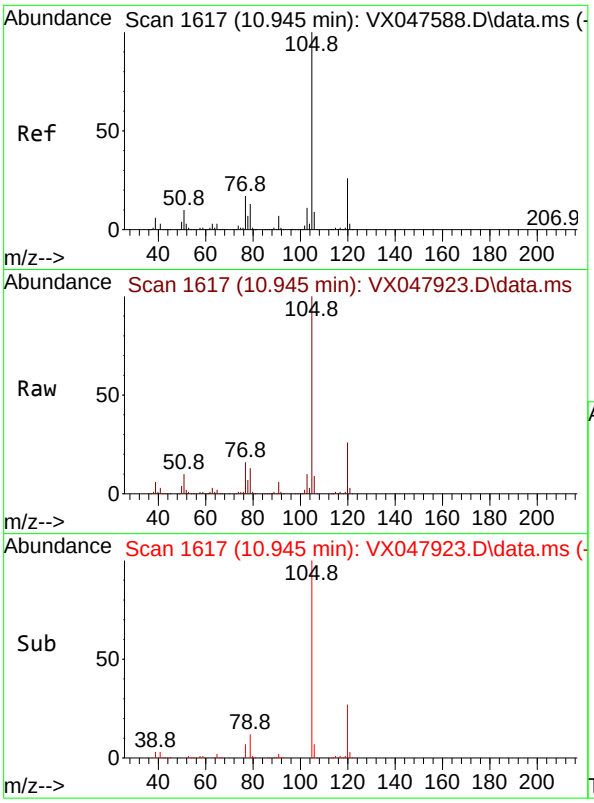


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:152 Resp: 110310

Ion	Ratio	Lower	Upper
152	100		
115	85.0	44.9	134.5
150	176.2	0.0	352.0



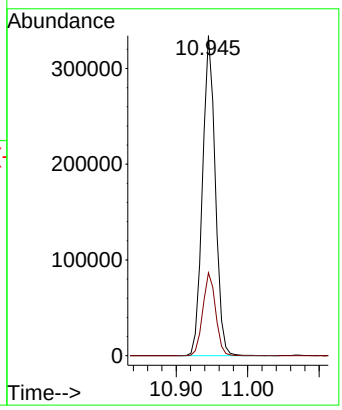


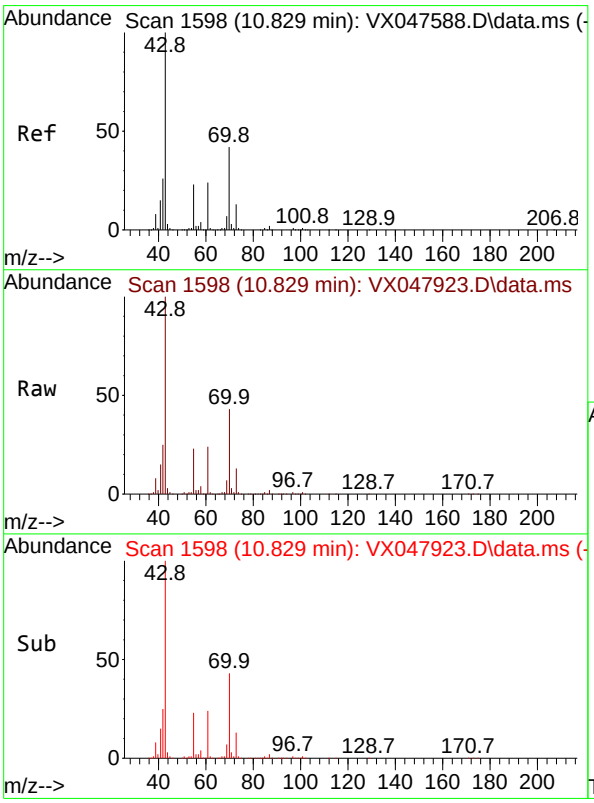
#73
Isopropylbenzene
Concen: 49.469 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 414872

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.8	38.4

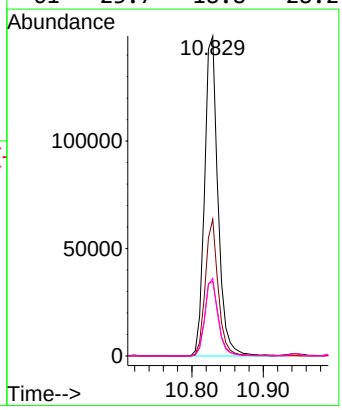


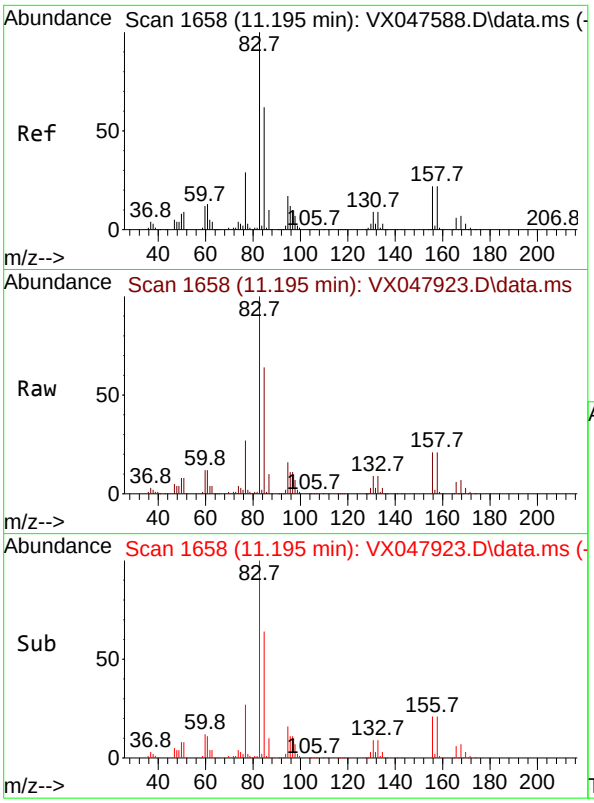


#74
N-amyl acetate
Concen: 50.866 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 43 Resp: 194530

Ion	Ratio	Lower	Upper
43	100		
70	41.2	32.0	48.0
55	24.2	18.9	28.3
61	23.7	18.8	28.2



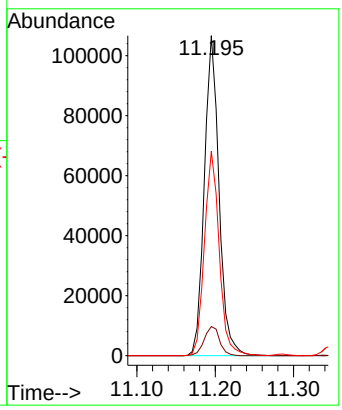


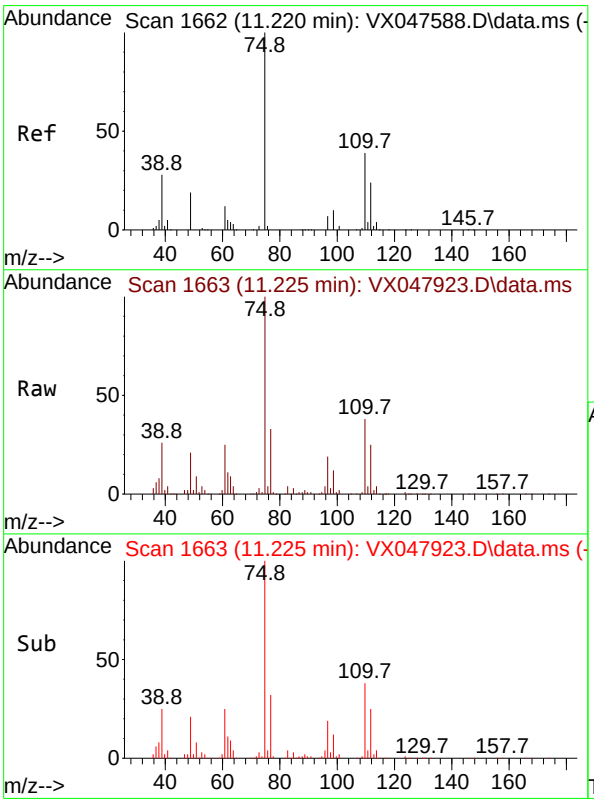
#75
1,1,2,2-Tetrachloroethane
Concen: 54.611 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 138566

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.0	14.9
85	64.3	31.6	95.0

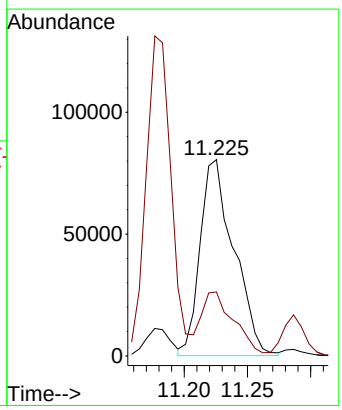


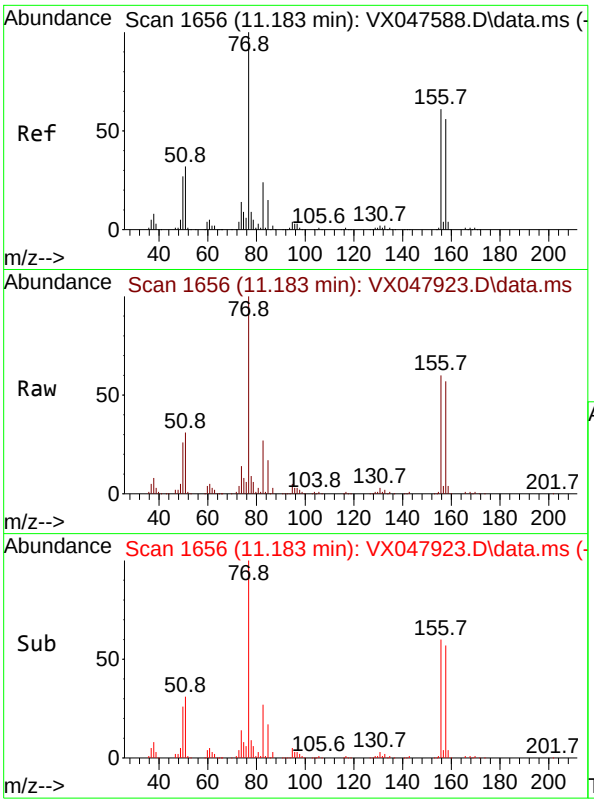


#76
1,2,3-Trichloropropane
Concen: 67.047 ug/l
RT: 11.225 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 75 Resp: 149744

Ion	Ratio	Lower	Upper
75	100		
77	30.7	18.8	56.4



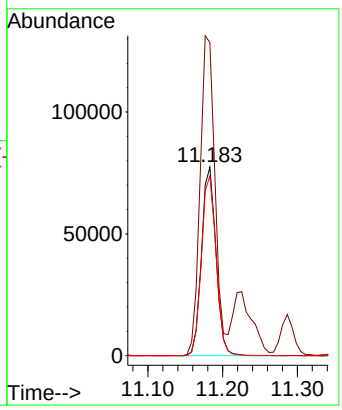


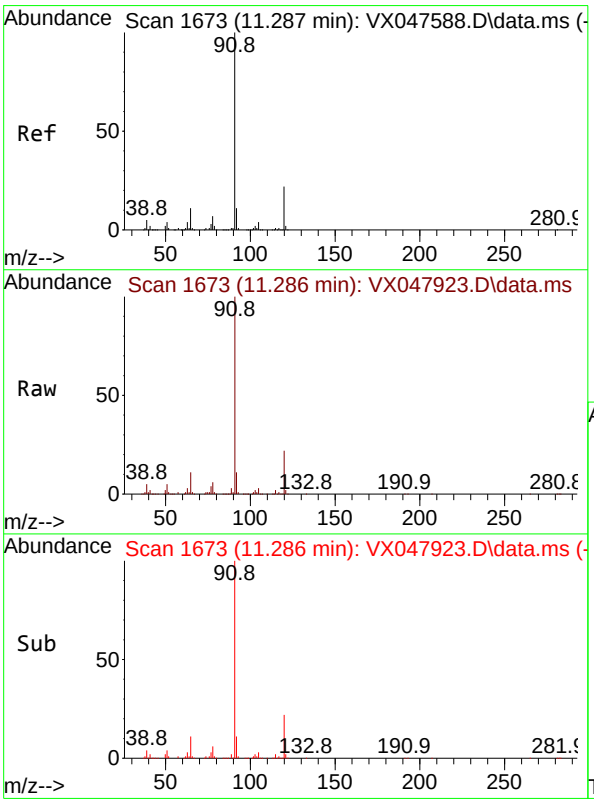
#77
Bromobenzene
Concen: 50.251 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 103795

Ion	Ratio	Lower	Upper
156	100		
77	176.0	89.7	269.1
158	96.7	47.9	143.6

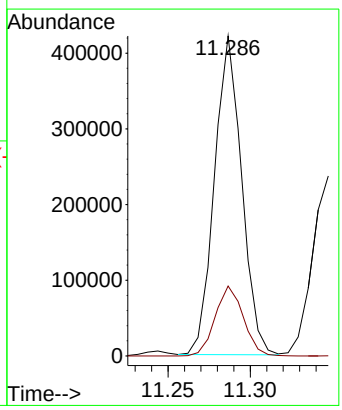


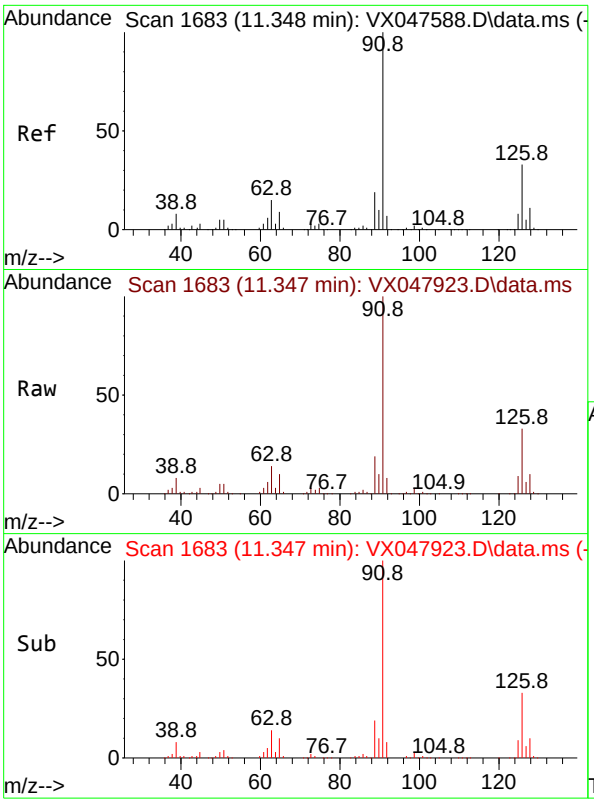


#78
n-propylbenzene
Concen: 49.015 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 91 Resp: 485929

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.1	33.1



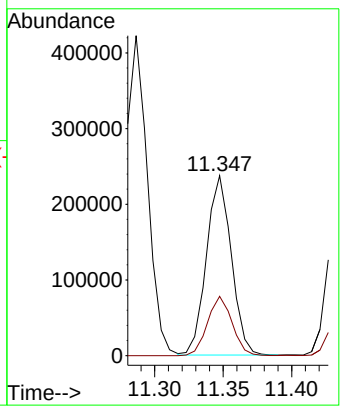


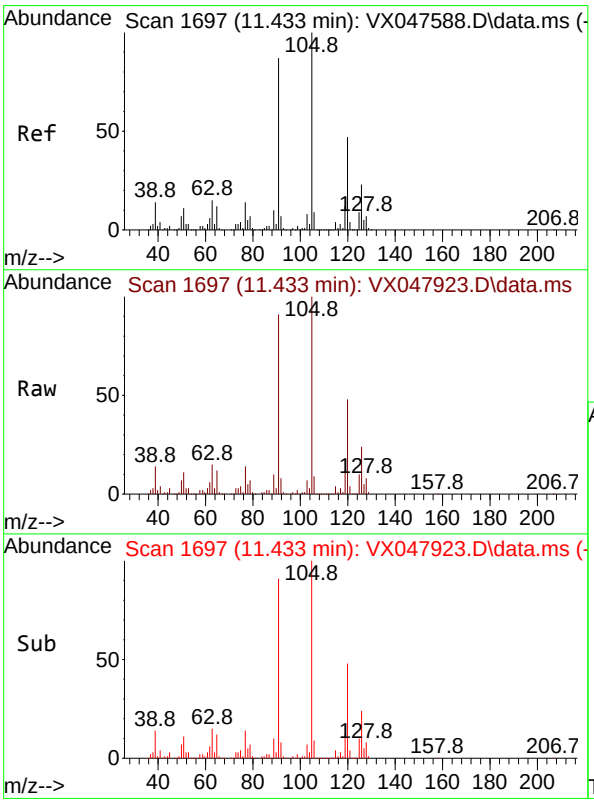
#79
2-Chlorotoluene
Concen: 49.224 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 298892

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.1	48.3

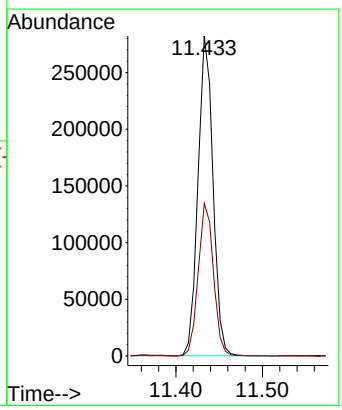


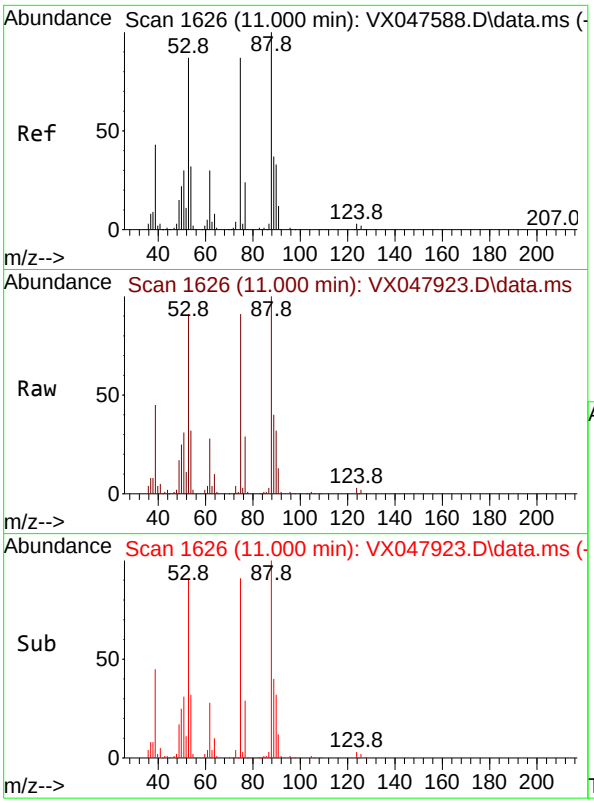


#80
1,3,5-Trimethylbenzene
Concen: 49.255 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:105 Resp: 339378

Ion	Ratio	Lower	Upper
105	100		
120	48.5	23.6	70.8



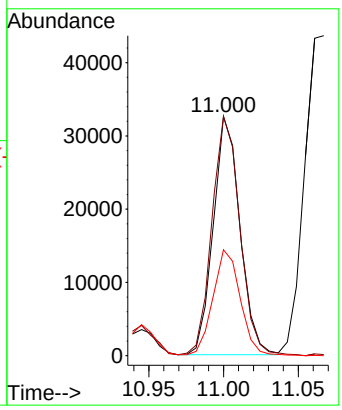


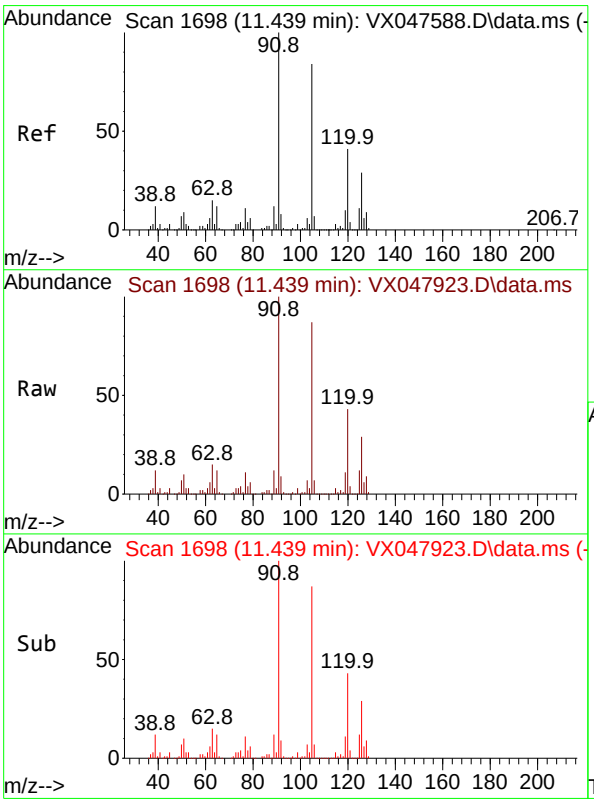
#81
trans-1,4-Dichloro-2-butene
Concen: 46.075 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 40353

Ion	Ratio	Lower	Upper
75	100		
53	105.1	83.4	125.2
89	45.6	36.3	54.5

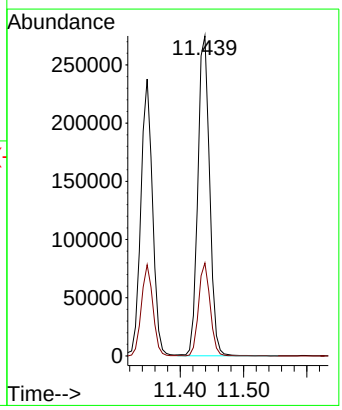


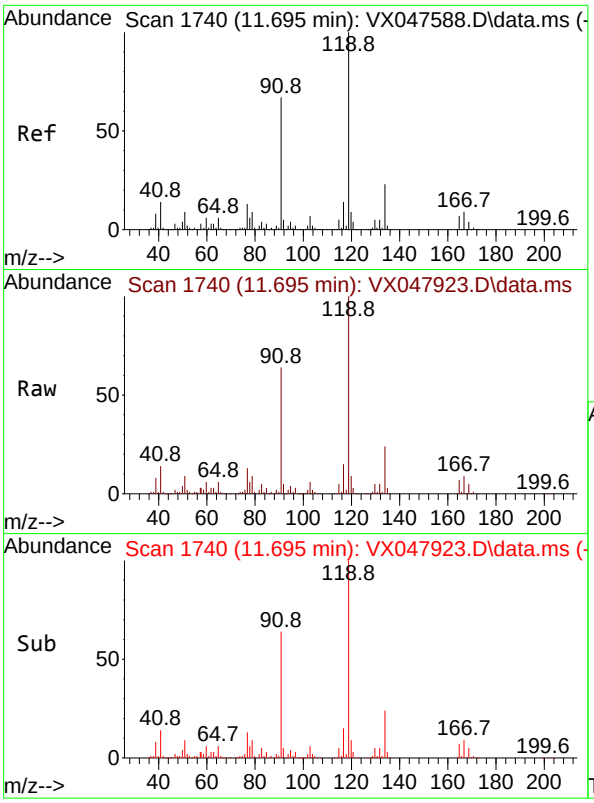


#82
4-Chlorotoluene
Concen: 49.640 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 91 Resp: 355988

Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.2	42.6



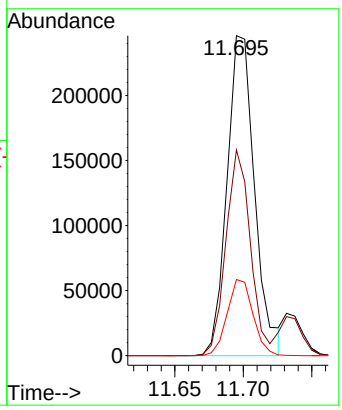


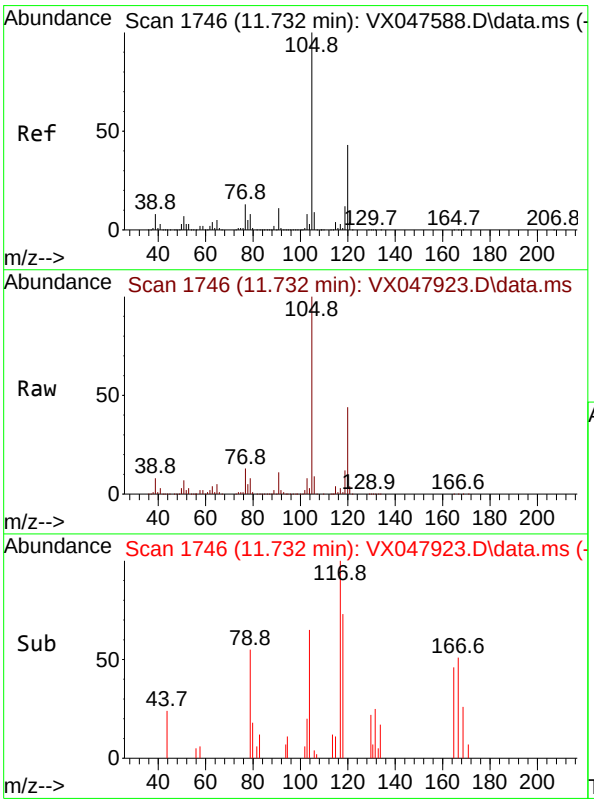
#83
tert-Butylbenzene
Concen: 49.053 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 345986

Ion	Ratio	Lower	Upper
119	100		
91	57.0	29.6	88.8
134	22.3	11.0	33.0

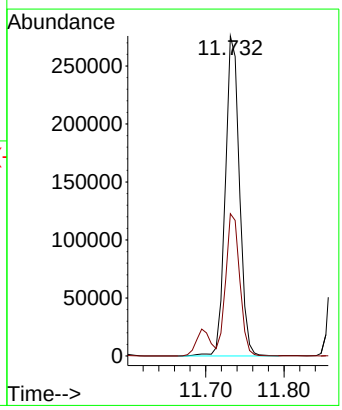


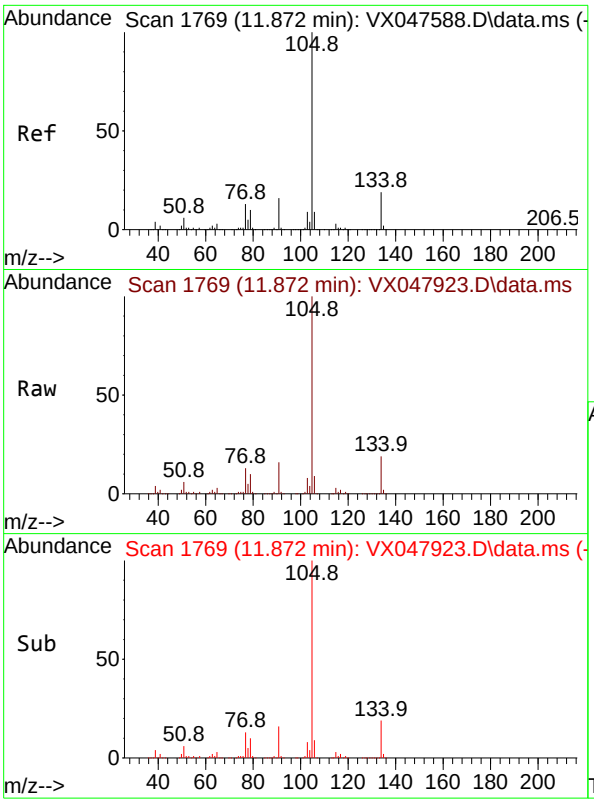


#84
1,2,4-Trimethylbenzene
Concen: 49.536 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:105 Resp: 346035

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1



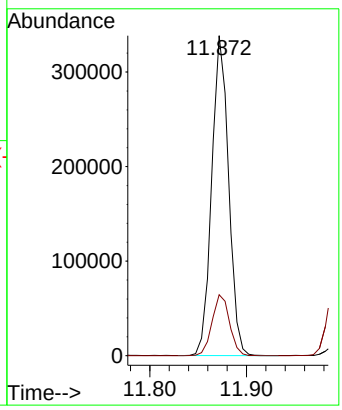


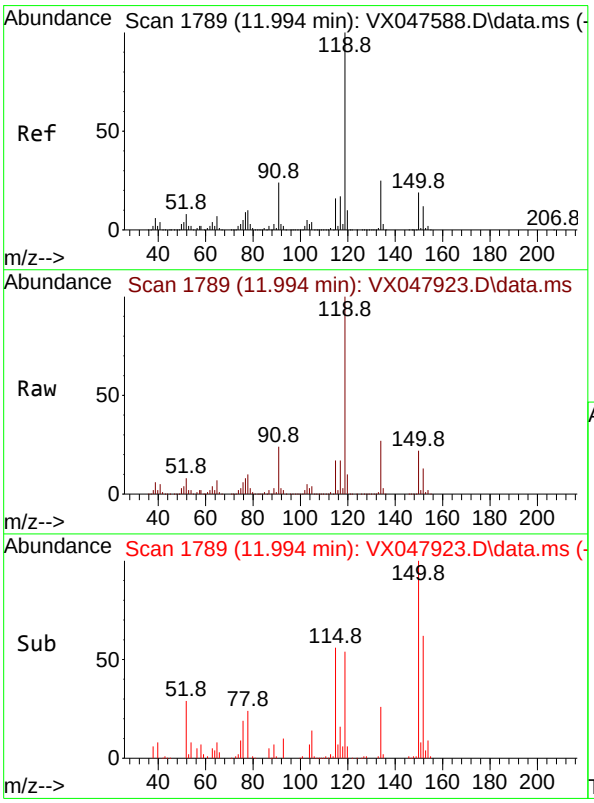
#85
sec-Butylbenzene
Concen: 48.913 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 409794

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

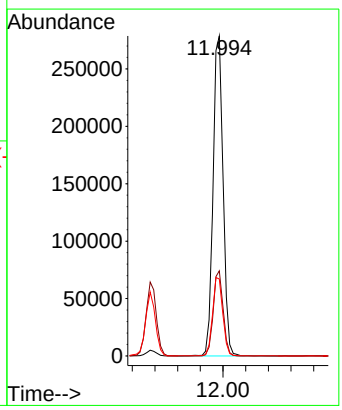


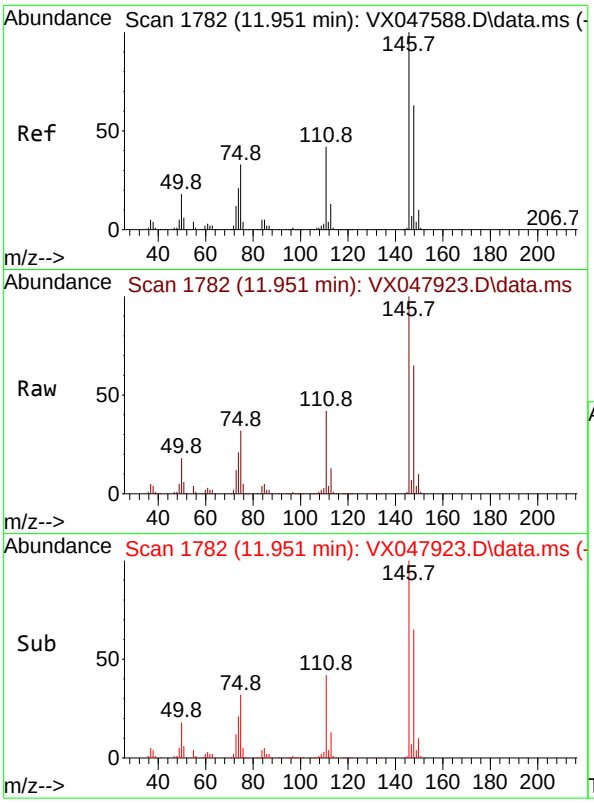


#86
p-Isopropyltoluene
Concen: 48.250 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:119 Resp: 342231

Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.6	37.8
91	24.9	12.6	37.6



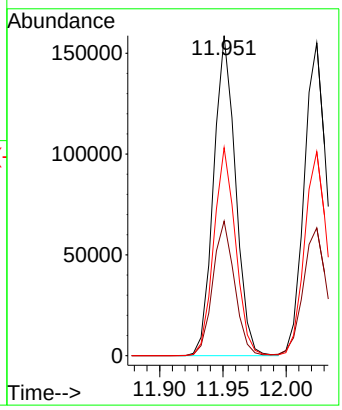


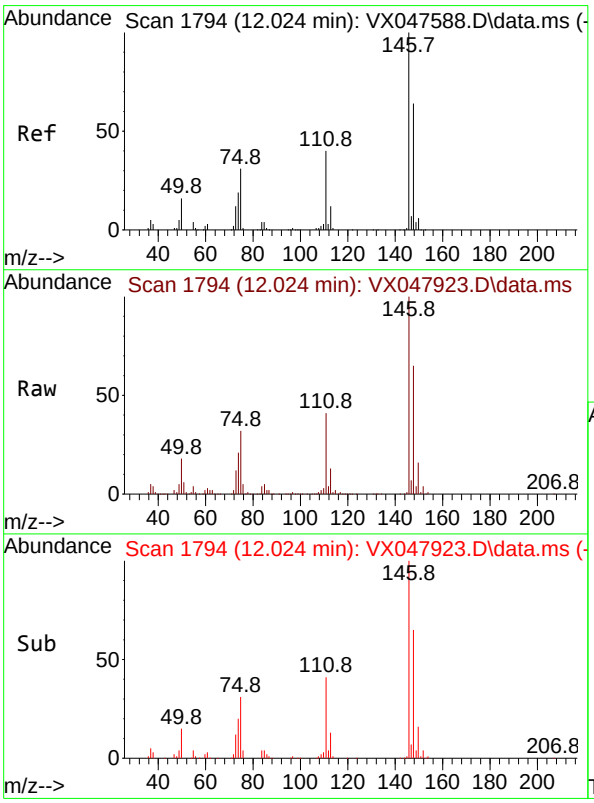
#87
1,3-Dichlorobenzene
Concen: 49.812 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 191106

Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.5	64.5
148	64.6	32.0	96.0

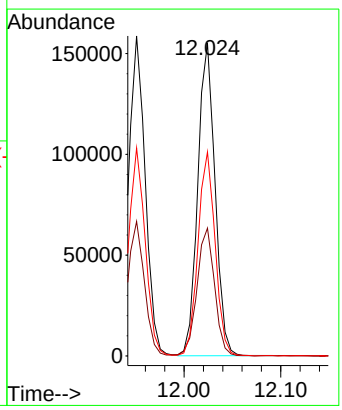


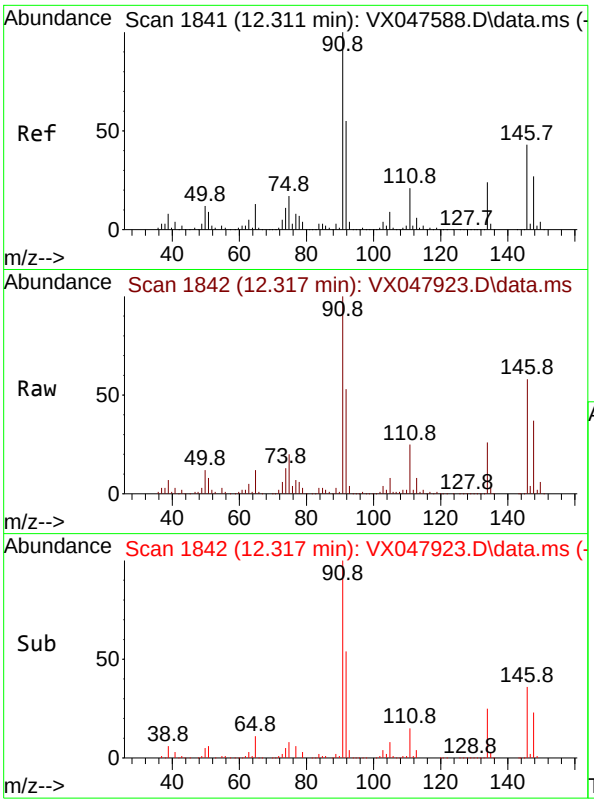


#88
1,4-Dichlorobenzene
Concen: 49.006 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:146 Resp: 192965

Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.8	62.4
148	64.7	31.7	95.1



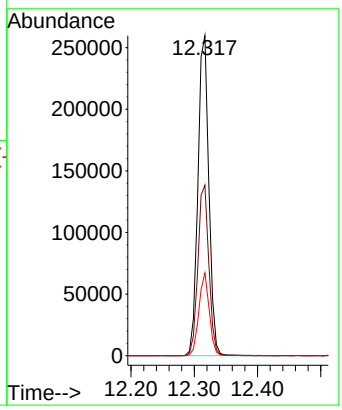


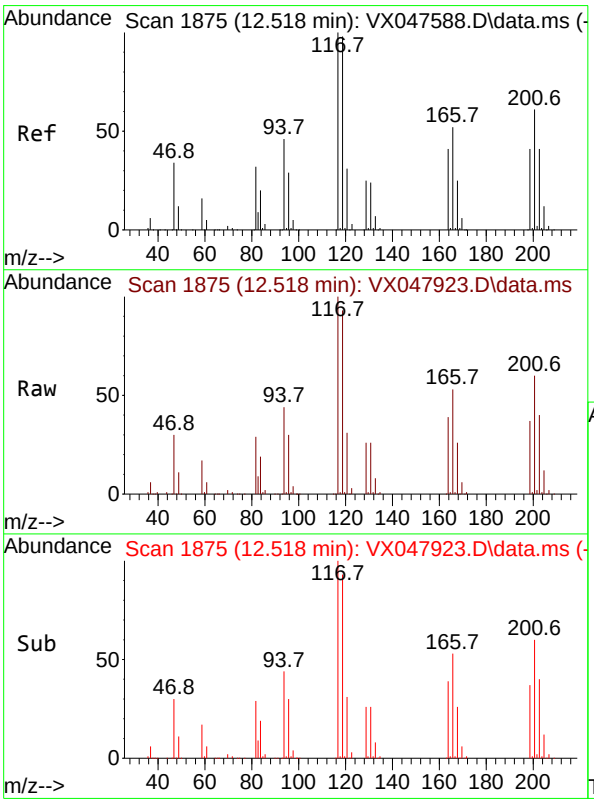
#89
n-Butylbenzene
Concen: 47.651 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 312733

Ion	Ratio	Lower	Upper
91	100		
92	53.5	27.6	82.7
134	24.5	12.6	37.8

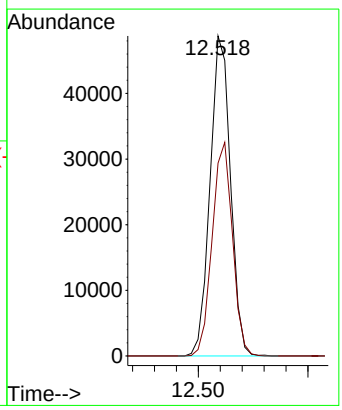


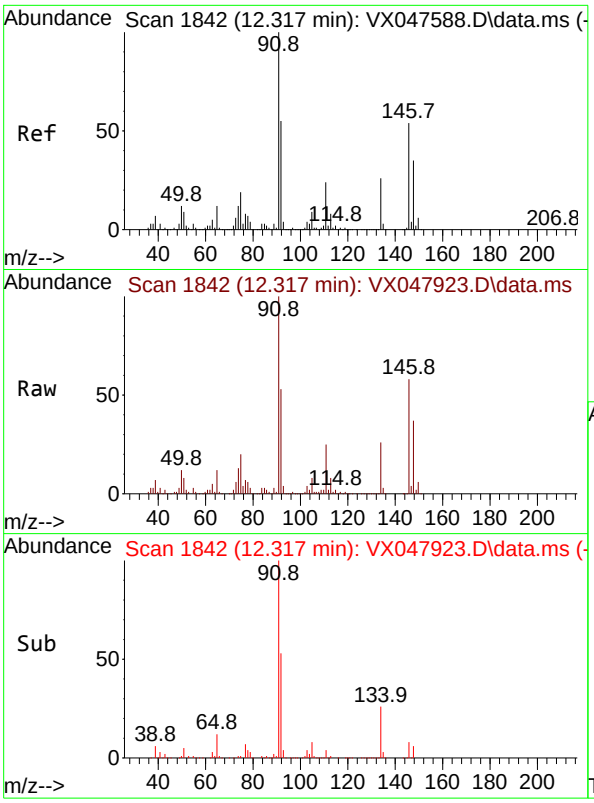


#90
Hexachloroethane
Concen: 50.578 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:117 Resp: 62984

Ion	Ratio	Lower	Upper
117	100		
201	66.4	34.2	102.5



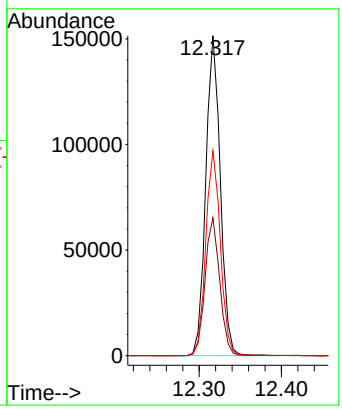


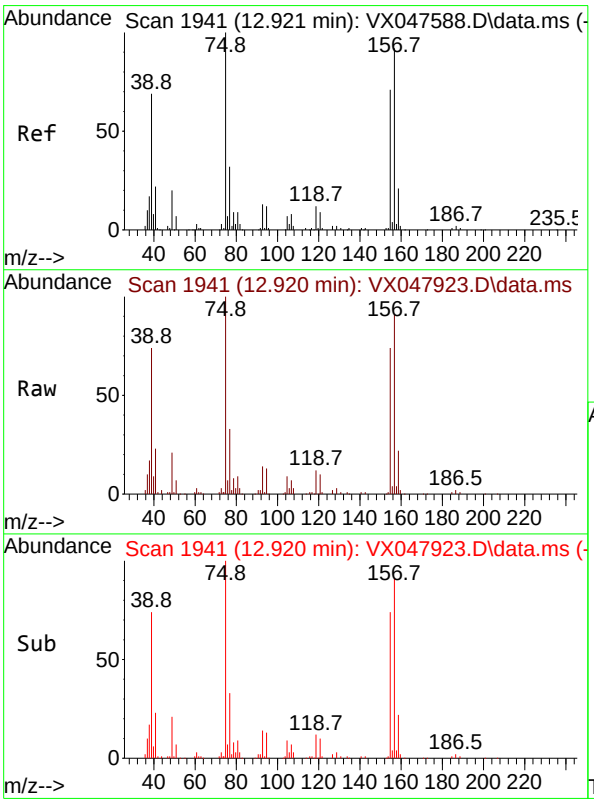
#91
1,2-Dichlorobenzene
Concen: 50.939 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 186186

Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.2	66.6
148	64.3	31.8	95.4

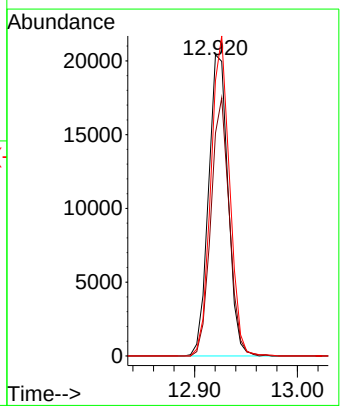


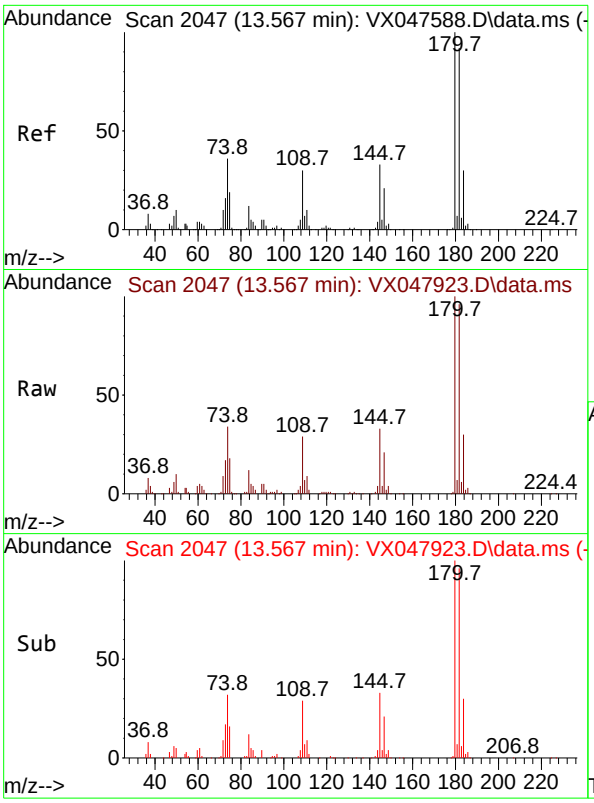


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.467 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion: 75 Resp: 26953

Ion	Ratio	Lower	Upper
75	100		
155	80.5	37.7	113.1
157	101.3	49.8	149.4



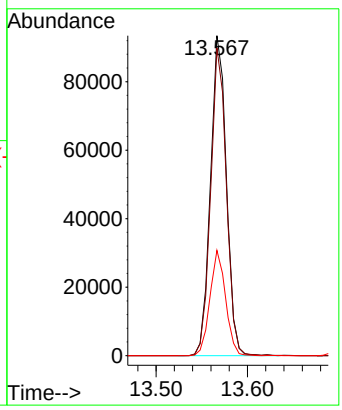


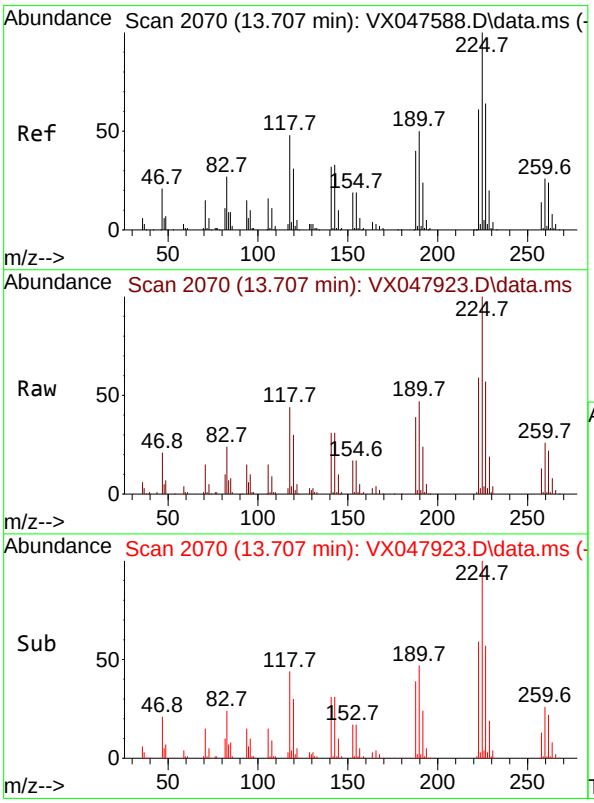
#93
1,2,4-Trichlorobenzene
Concen: 47.467 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 112758

Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.6	139.8
145	32.4	16.4	49.1

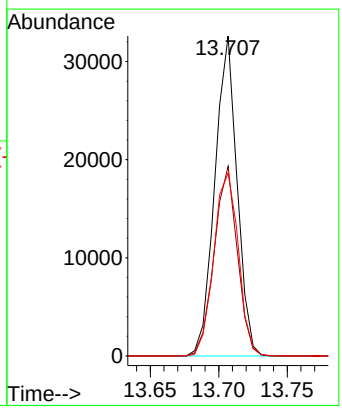


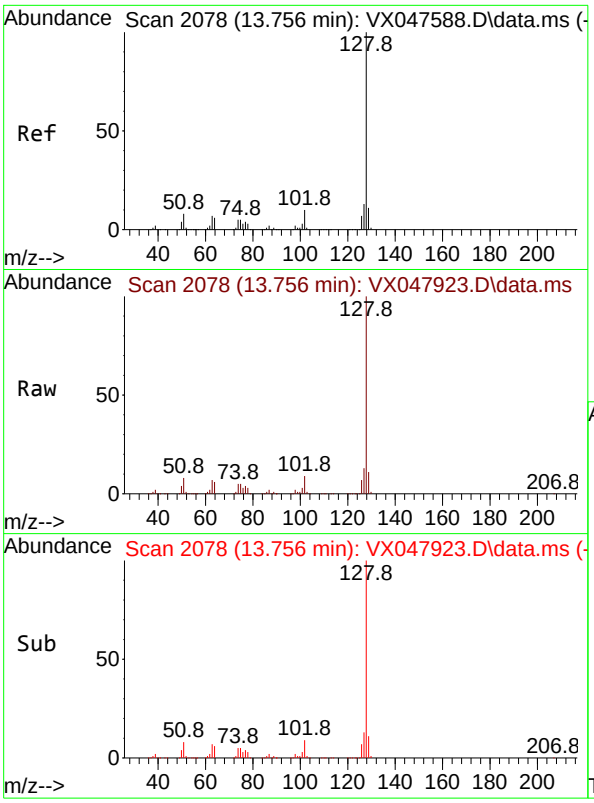


#94
Hexachlorobutadiene
Concen: 45.550 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:225 Resp: 36753

Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.7	95.1
227	63.1	32.0	96.0



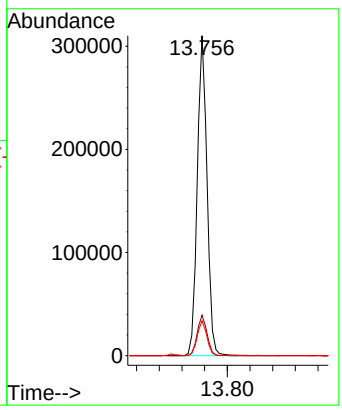


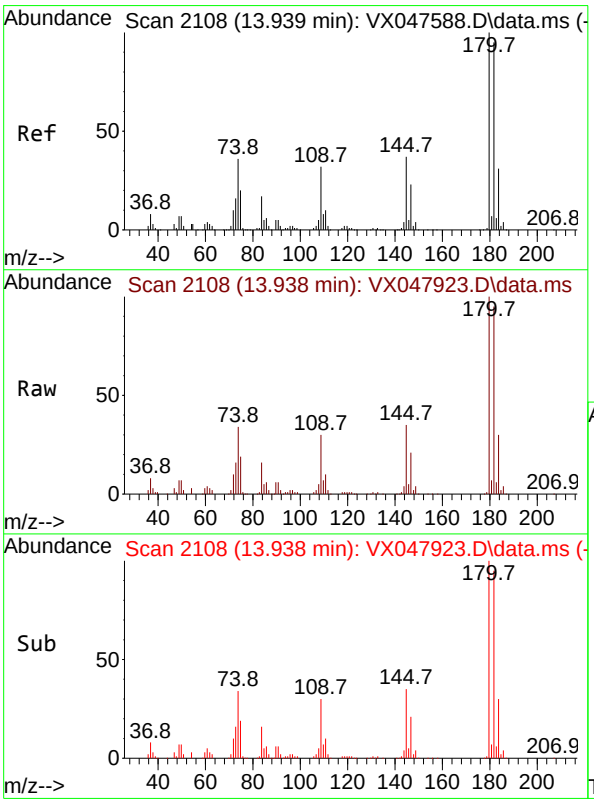
#95
Naphthalene
Concen: 51.160 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 370067

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.8	13.2





#96
1,2,3-Trichlorobenzene
Concen: 48.861 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047923.D
Acq: 30 Sep 2025 19:30

Tgt Ion:180 Resp: 107969

Ion	Ratio	Lower	Upper
180	100		
182	98.0	47.6	142.8
145	35.1	17.9	53.7

