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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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LAB CHRONICLE

OrderID:	Q2161	**OrderDate:**	5/30/2025 11:29:00 AM
Client:	Scalamandre – Tully JV	**Project:**	NYC DOT Harper Street Yard North
Contact:	Dean Devoe	**Location:**	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2161-01	**B27-SOIL-SAMPLE**	**SOIL**			**05/12/25**			**05/13/25**
			VOCMS Group1	8260D			06/02/25	
Q2161-02	**B28-SOIL-SAMPLE**	**SOIL**			**05/12/25**			**05/13/25**
			VOCMS Group1	8260D			05/30/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2161

Client: Scalamandre – Tully JV

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:								
				0				

Total Voc :

Total Concentration:

QC
SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q2161

Client: Scalamandre – Tully JV

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Q2161-01	B27-SOIL-SAMPLE	1,2-Dichloroethane-d4	50	38.8	78		63	155
		Dibromofluoromethane	50	20.9	42	*	70	134
		Toluene-d8	50	43.8	88		74	123
		4-Bromofluorobenzene	50	22.8	46		17	146
Q2161-02	B28-SOIL-SAMPLE	1,2-Dichloroethane-d4	50	27.2	54	*	63	155
		Dibromofluoromethane	50	20.9	42	*	70	134
		Toluene-d8	50	42.2	84		74	123
		4-Bromofluorobenzene	50	21.2	42		17	146
VY0530SBL01	VY0530SBL01	1,2-Dichloroethane-d4	50	53.5	107		63	155
		Dibromofluoromethane	50	51.4	103		70	134
		Toluene-d8	50	49.9	100		74	123
		4-Bromofluorobenzene	50	40.7	81		17	146
VY0530SBS01	VY0530SBS01	1,2-Dichloroethane-d4	50	57.4	115		63	155
		Dibromofluoromethane	50	52.0	104		70	134
		Toluene-d8	50	52.3	105		74	123
		4-Bromofluorobenzene	50	50.6	101		17	146
VY0530SBSD01	VY0530SBSD01	1,2-Dichloroethane-d4	50	55.4	111		63	155
		Dibromofluoromethane	50	51.0	102		70	134
		Toluene-d8	50	50.5	101		74	123
		4-Bromofluorobenzene	50	48.5	97		17	146
VY0602SBL02	VY0602SBL02	1,2-Dichloroethane-d4	50	53.2	106		63	155
		Dibromofluoromethane	50	51.0	102		70	134
		Toluene-d8	50	49.7	99		74	123
		4-Bromofluorobenzene	50	42.8	86		17	146
VY0602SBS01	VY0602SBS01	1,2-Dichloroethane-d4	50	50.8	102		63	155
		Dibromofluoromethane	50	51.6	103		70	134
		Toluene-d8	50	51.9	104		74	123
		4-Bromofluorobenzene	50	50.8	101		17	146

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2161

Client: Scalamandre – Tully JV

Analytical Method: SW8260D **Datafile :** VX046446.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0602MBS01	Dichlorodifluoromethane	2000	1600	ug/Kg	80			64	136	
	Chloromethane	2000	1600	ug/Kg	80			52	151	
	Vinyl chloride	2000	1600	ug/Kg	80			56	148	
	Bromomethane	2000	1600	ug/Kg	80			58	141	
	Chloroethane	2000	1900	ug/Kg	95			69	130	
	Trichlorofluoromethane	2000	1800	ug/Kg	90			69	134	
	1,1,2-Trichlorotrifluoroethane	2000	1900	ug/Kg	95			81	123	
	1,1-Dichloroethene	2000	1700	ug/Kg	85			79	121	
	Acetone	10000	10400	ug/Kg	104			40	171	
	Carbon disulfide	2000	1300	ug/Kg	65			59	130	
	Methyl tert-butyl Ether	2000	2000	ug/Kg	100			77	129	
	Methyl Acetate	2000	2600	ug/Kg	130			69	149	
	Methylene Chloride	2000	1800	ug/Kg	90			72	131	
	trans-1,2-Dichloroethene	2000	1700	ug/Kg	85			80	123	
	1,1-Dichloroethane	2000	2000	ug/Kg	100			82	123	
	Cyclohexane	2000	1800	ug/Kg	90			76	122	
	2-Butanone	10000	10600	ug/Kg	106			69	131	
	Carbon Tetrachloride	2000	1800	ug/Kg	90			76	129	
	cis-1,2-Dichloroethene	2000	1900	ug/Kg	95			82	123	
	Bromochloromethane	2000	2100	ug/Kg	105			80	127	
	Chloroform	2000	2000	ug/Kg	100			82	125	
	1,1,1-Trichloroethane	2000	1900	ug/Kg	95			80	126	
	Methylcyclohexane	2000	1700	ug/Kg	85			77	123	
	Benzene	2000	1900	ug/Kg	95			84	121	
	1,2-Dichloroethane	2000	2000	ug/Kg	100			81	126	
	Trichloroethene	2000	1900	ug/Kg	95			83	122	
	1,2-Dichloropropane	2000	2100	ug/Kg	105			83	122	
	Bromodichloromethane	2000	2000	ug/Kg	100			82	123	
	4-Methyl-2-Pentanone	10000	10900	ug/Kg	109			70	135	
	Toluene	2000	2000	ug/Kg	100			83	122	
	t-1,3-Dichloropropene	2000	1900	ug/Kg	95			78	124	
	cis-1,3-Dichloropropene	2000	1900	ug/Kg	95			81	122	
	1,1,2-Trichloroethane	2000	2100	ug/Kg	105			82	125	
	2-Hexanone	10000	10900	ug/Kg	109			66	138	
	Dibromochloromethane	2000	2000	ug/Kg	100			79	125	
	1,2-Dibromoethane	2000	2000	ug/Kg	100			80	125	
	Tetrachloroethene	2000	1800	ug/Kg	90			83	125	
	Chlorobenzene	2000	1900	ug/Kg	95			84	122	
	Ethyl Benzene	2000	2000	ug/Kg	100			82	124	
	m/p-Xylenes	4000	3900	ug/Kg	98			83	124	
	o-Xylene	2000	2000	ug/Kg	100			83	123	
	Styrene	2000	2100	ug/Kg	105			82	124	
	Bromoform	2000	1900	ug/Kg	95			75	127	
	Isopropylbenzene	2000	2000	ug/Kg	100			82	124	
	1,1,2,2-Tetrachloroethane	2000	2000	ug/Kg	100			77	127	
	1,3-Dichlorobenzene	2000	2000	ug/Kg	100			83	122	
	1,4-Dichlorobenzene	2000	1900	ug/Kg	95			84	121	
	1,2-Dichlorobenzene	2000	2000	ug/Kg	100			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2161

Client: Scalamandre – Tully JV

Analytical Method: SW8260D **Datafile :** VX046446.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0602MBS01	1,2-Dibromo-3-Chloropropane	2000	2000	ug/Kg	100			66	134	
	1,2,4-Trichlorobenzene	2000	2000	ug/Kg	100			78	127	
	1,2,3-Trichlorobenzene	2000	2000	ug/Kg	100			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2161

Client: Scalamandre – Tully JV

Analytical Method: SW8260D **Datafile :** VX046447.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0602MBSD01	Dichlorodifluoromethane	2000	1600	ug/Kg	80	0		64	136	20
	Chloromethane	2000	1600	ug/Kg	80	0		52	151	20
	Vinyl chloride	2000	1600	ug/Kg	80	0		56	148	20
	Bromomethane	2000	1600	ug/Kg	80	0		58	141	20
	Chloroethane	2000	1700	ug/Kg	85	11		69	130	20
	Trichlorofluoromethane	2000	1700	ug/Kg	85	6		69	134	20
	1,1,2-Trichlorotrifluoroethane	2000	1800	ug/Kg	90	5		81	123	20
	1,1-Dichloroethene	2000	1800	ug/Kg	90	6		79	121	20
	Acetone	10000	10200	ug/Kg	102	2		40	171	20
	Carbon disulfide	2000	1300	ug/Kg	65	0		59	130	20
	Methyl tert-butyl Ether	2000	2100	ug/Kg	105	5		77	129	20
	Methyl Acetate	2000	2800	ug/Kg	140	7		69	149	20
	Methylene Chloride	2000	1800	ug/Kg	90	0		72	131	20
	trans-1,2-Dichloroethene	2000	1700	ug/Kg	85	0		80	123	20
	1,1-Dichloroethane	2000	2000	ug/Kg	100	0		82	123	20
	Cyclohexane	2000	1700	ug/Kg	85	6		76	122	20
	2-Butanone	10000	10800	ug/Kg	108	2		69	131	20
	Carbon Tetrachloride	2000	1800	ug/Kg	90	0		76	129	20
	cis-1,2-Dichloroethene	2000	1900	ug/Kg	95	0		82	123	20
	Bromochloromethane	2000	2100	ug/Kg	105	0		80	127	20
	Chloroform	2000	2100	ug/Kg	105	5		82	125	20
	1,1,1-Trichloroethane	2000	1900	ug/Kg	95	0		80	126	20
	Methylcyclohexane	2000	1700	ug/Kg	85	0		77	123	20
	Benzene	2000	1900	ug/Kg	95	0		84	121	20
	1,2-Dichloroethane	2000	2100	ug/Kg	105	5		81	126	20
	Trichloroethene	2000	1900	ug/Kg	95	0		83	122	20
	1,2-Dichloropropane	2000	2100	ug/Kg	105	0		83	122	20
	Bromodichloromethane	2000	2000	ug/Kg	100	0		82	123	20
	4-Methyl-2-Pentanone	10000	11100	ug/Kg	111	2		70	135	20
	Toluene	2000	1900	ug/Kg	95	5		83	122	20
	t-1,3-Dichloropropene	2000	2000	ug/Kg	100	5		78	124	20
	cis-1,3-Dichloropropene	2000	2000	ug/Kg	100	5		81	122	20
	1,1,2-Trichloroethane	2000	2200	ug/Kg	110	5		82	125	20
	2-Hexanone	10000	11100	ug/Kg	111	2		66	138	20
	Dibromochloromethane	2000	2000	ug/Kg	100	0		79	125	20
	1,2-Dibromoethane	2000	2100	ug/Kg	105	5		80	125	20
	Tetrachloroethene	2000	1900	ug/Kg	95	5		83	125	20
	Chlorobenzene	2000	2000	ug/Kg	100	5		84	122	20
	Ethyl Benzene	2000	2000	ug/Kg	100	0		82	124	20
	m/p-Xylenes	4000	4000	ug/Kg	100	2		83	124	20
	o-Xylene	2000	2000	ug/Kg	100	0		83	123	20
	Styrene	2000	2100	ug/Kg	105	0		82	124	20
	Bromoform	2000	1900	ug/Kg	95	0		75	127	20
	Isopropylbenzene	2000	2000	ug/Kg	100	0		82	124	20
	1,1,2,2-Tetrachloroethane	2000	2200	ug/Kg	110	10		77	127	20
	1,3-Dichlorobenzene	2000	2000	ug/Kg	100	0		83	122	20
	1,4-Dichlorobenzene	2000	2000	ug/Kg	100	5		84	121	20
	1,2-Dichlorobenzene	2000	2100	ug/Kg	105	5		83	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2161

Client: Scalamandre – Tully JV

Analytical Method: SW8260D **Datafile :** VX046447.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0602MBSD01	1,2-Dibromo-3-Chloropropane	2000	2200	ug/Kg	110	10		66	134	20
	1,2,4-Trichlorobenzene	2000	2000	ug/Kg	100	0		78	127	20
	1,2,3-Trichlorobenzene	2000	2100	ug/Kg	105	5		70	137	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2161

Client: Scalamandre – Tully JV

Analytical Method: SW8260D **Datafile :** VY022474.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0530SBS01	Dichlorodifluoromethane	20	23.7	ug/Kg	119			64	136	
	Chloromethane	20	29.4	ug/Kg	147			52	151	
	Vinyl chloride	20	27.2	ug/Kg	136			56	148	
	Bromomethane	20	28.7	ug/Kg	144		*	58	141	
	Chloroethane	20	27.2	ug/Kg	136		*	69	130	
	Trichlorofluoromethane	20	26.1	ug/Kg	131			69	134	
	1,1,2-Trichlorotrifluoroethane	20	22.6	ug/Kg	113			81	123	
	1,1-Dichloroethene	20	23.1	ug/Kg	116			79	121	
	Acetone	100	110	ug/Kg	110			40	171	
	Carbon disulfide	20	22.3	ug/Kg	112			59	130	
	Methyl tert-butyl Ether	20	23.0	ug/Kg	115			77	129	
	Methyl Acetate	20	25.3	ug/Kg	127			69	149	
	Methylene Chloride	20	24.1	ug/Kg	121			72	131	
	trans-1,2-Dichloroethene	20	23.0	ug/Kg	115			80	123	
	1,1-Dichloroethane	20	23.9	ug/Kg	119			82	123	
	Cyclohexane	20	22.0	ug/Kg	110			76	122	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	21.3	ug/Kg	106			76	129	
	cis-1,2-Dichloroethene	20	22.9	ug/Kg	115			82	123	
	Bromochloromethane	20	24.0	ug/Kg	120			80	127	
	Chloroform	20	24.0	ug/Kg	120			82	125	
	1,1,1-Trichloroethane	20	22.8	ug/Kg	114			80	126	
	Methylcyclohexane	20	20.7	ug/Kg	104			77	123	
	Benzene	20	21.7	ug/Kg	109			84	121	
	1,2-Dichloroethane	20	21.8	ug/Kg	109			81	126	
	Trichloroethene	20	20.9	ug/Kg	104			83	122	
	1,2-Dichloropropane	20	21.5	ug/Kg	108			83	122	
	Bromodichloromethane	20	21.8	ug/Kg	109			82	123	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			70	135	
	Toluene	20	21.5	ug/Kg	108			83	122	
	t-1,3-Dichloropropene	20	21.1	ug/Kg	106			78	124	
	cis-1,3-Dichloropropene	20	20.9	ug/Kg	104			81	122	
	1,1,2-Trichloroethane	20	20.6	ug/Kg	103			82	125	
	2-Hexanone	100	96.5	ug/Kg	97			66	138	
	Dibromochloromethane	20	21.0	ug/Kg	105			79	125	
	1,2-Dibromoethane	20	20.4	ug/Kg	102			80	125	
	Tetrachloroethene	20	20.5	ug/Kg	103			83	125	
	Chlorobenzene	20	21.3	ug/Kg	106			84	122	
	Ethyl Benzene	20	20.8	ug/Kg	104			82	124	
	m/p-Xylenes	40	41.3	ug/Kg	103			83	124	
	o-Xylene	20	21.2	ug/Kg	106			83	123	
	Styrene	20	20.6	ug/Kg	103			82	124	
	Bromoform	20	20.6	ug/Kg	103			75	127	
	Isopropylbenzene	20	21.3	ug/Kg	106			82	124	
	1,1,2,2-Tetrachloroethane	20	21.3	ug/Kg	106			77	127	
	1,3-Dichlorobenzene	20	21.0	ug/Kg	105			83	122	
	1,4-Dichlorobenzene	20	21.3	ug/Kg	106			84	121	
	1,2-Dichlorobenzene	20	21.5	ug/Kg	108			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2161

Client: Scalamandre – Tully JV

Analytical Method: SW8260D **Datafile :** VY022474.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0530SBS01	1,2-Dibromo-3-Chloropropane	20	20.0	ug/Kg	100			66	134	
	1,2,4-Trichlorobenzene	20	20.2	ug/Kg	101			78	127	
	1,2,3-Trichlorobenzene	20	20.8	ug/Kg	104			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2161

Client: Scalamandre – Tully JV

Analytical Method: SW8260D **Datafile :** VY022475.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0530SBSD01	Dichlorodifluoromethane	20	22.8	ug/Kg	114	4		64	136	20
	Chloromethane	20	22.5	ug/Kg	113	26	*	52	151	20
	Vinyl chloride	20	24.0	ug/Kg	120	13		56	148	20
	Bromomethane	20	25.9	ug/Kg	130	10		58	141	20
	Chloroethane	20	26.2	ug/Kg	131	4	*	69	130	20
	Trichlorofluoromethane	20	25.1	ug/Kg	126	4		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	22.2	ug/Kg	111	2		81	123	20
	1,1-Dichloroethene	20	22.2	ug/Kg	111	4		79	121	20
	Acetone	100	120	ug/Kg	120	9		40	171	20
	Carbon disulfide	20	21.5	ug/Kg	108	4		59	130	20
	Methyl tert-butyl Ether	20	23.1	ug/Kg	116	1		77	129	20
	Methyl Acetate	20	24.2	ug/Kg	121	5		69	149	20
	Methylene Chloride	20	21.9	ug/Kg	110	10		72	131	20
	trans-1,2-Dichloroethene	20	21.8	ug/Kg	109	5		80	123	20
	1,1-Dichloroethane	20	22.8	ug/Kg	114	4		82	123	20
	Cyclohexane	20	21.3	ug/Kg	106	4		76	122	20
	2-Butanone	100	110	ug/Kg	110	0		69	131	20
	Carbon Tetrachloride	20	20.8	ug/Kg	104	2		76	129	20
	cis-1,2-Dichloroethene	20	22.4	ug/Kg	112	3		82	123	20
	Bromochloromethane	20	22.9	ug/Kg	115	4		80	127	20
	Chloroform	20	23.4	ug/Kg	117	3		82	125	20
	1,1,1-Trichloroethane	20	22.2	ug/Kg	111	3		80	126	20
	Methylcyclohexane	20	20.0	ug/Kg	100	4		77	123	20
	Benzene	20	21.6	ug/Kg	108	1		84	121	20
	1,2-Dichloroethane	20	22.2	ug/Kg	111	2		81	126	20
	Trichloroethene	20	20.9	ug/Kg	104	0		83	122	20
	1,2-Dichloropropane	20	22.1	ug/Kg	111	3		83	122	20
	Bromodichloromethane	20	21.5	ug/Kg	108	1		82	123	20
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	10		70	135	20
	Toluene	20	21.1	ug/Kg	106	2		83	122	20
	t-1,3-Dichloropropene	20	20.2	ug/Kg	101	5		78	124	20
	cis-1,3-Dichloropropene	20	20.7	ug/Kg	104	0		81	122	20
	1,1,2-Trichloroethane	20	21.6	ug/Kg	108	5		82	125	20
	2-Hexanone	100	110	ug/Kg	110	13		66	138	20
	Dibromochloromethane	20	20.8	ug/Kg	104	1		79	125	20
	1,2-Dibromoethane	20	21.5	ug/Kg	108	6		80	125	20
	Tetrachloroethene	20	20.5	ug/Kg	103	0		83	125	20
	Chlorobenzene	20	21.4	ug/Kg	107	1		84	122	20
	Ethyl Benzene	20	20.6	ug/Kg	103	1		82	124	20
	m/p-Xylenes	40	40.9	ug/Kg	102	1		83	124	20
	o-Xylene	20	20.7	ug/Kg	104	2		83	123	20
	Styrene	20	20.6	ug/Kg	103	0		82	124	20
	Bromoform	20	21.1	ug/Kg	106	3		75	127	20
	Isopropylbenzene	20	21.1	ug/Kg	106	0		82	124	20
	1,1,2,2-Tetrachloroethane	20	22.8	ug/Kg	114	7		77	127	20
	1,3-Dichlorobenzene	20	20.9	ug/Kg	104	1		83	122	20
	1,4-Dichlorobenzene	20	21.3	ug/Kg	106	0		84	121	20
	1,2-Dichlorobenzene	20	21.7	ug/Kg	109	1		83	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2161

Client: Scalamandre – Tully JV

Analytical Method: SW8260D **Datafile :** VY022475.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0530SBSD01	1,2-Dibromo-3-Chloropropane	20	22.6	ug/Kg	113	12		66	134	20
	1,2,4-Trichlorobenzene	20	21.5	ug/Kg	108	7		78	127	20
	1,2,3-Trichlorobenzene	20	22.4	ug/Kg	112	7		70	137	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2161

Client: Scalamandre – Tully JV

Analytical Method: SW8260D **Datafile :** VY022500.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0602SBS01	Dichlorodifluoromethane	20	22.1	ug/Kg	111			64	136	
	Chloromethane	20	19.1	ug/Kg	96			52	151	
	Vinyl chloride	20	20.5	ug/Kg	103			56	148	
	Bromomethane	20	21.8	ug/Kg	109			58	141	
	Chloroethane	20	20.8	ug/Kg	104			69	130	
	Trichlorofluoromethane	20	22.2	ug/Kg	111			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.8	ug/Kg	104			81	123	
	1,1-Dichloroethene	20	20.5	ug/Kg	103			79	121	
	Acetone	100	87.0	ug/Kg	87			40	171	
	Carbon disulfide	20	20.3	ug/Kg	102			59	130	
	Methyl tert-butyl Ether	20	20.5	ug/Kg	103			77	129	
	Methyl Acetate	20	21.6	ug/Kg	108			69	149	
	Methylene Chloride	20	19.1	ug/Kg	96			72	131	
	trans-1,2-Dichloroethene	20	20.9	ug/Kg	104			80	123	
	1,1-Dichloroethane	20	20.6	ug/Kg	103			82	123	
	Cyclohexane	20	20.2	ug/Kg	101			76	122	
	2-Butanone	100	96.6	ug/Kg	97			69	131	
	Carbon Tetrachloride	20	20.0	ug/Kg	100			76	129	
	cis-1,2-Dichloroethene	20	20.8	ug/Kg	104			82	123	
	Bromochloromethane	20	20.1	ug/Kg	101			80	127	
	Chloroform	20	21.0	ug/Kg	105			82	125	
	1,1,1-Trichloroethane	20	21.3	ug/Kg	106			80	126	
	Methylcyclohexane	20	20.5	ug/Kg	103			77	123	
	Benzene	20	20.6	ug/Kg	103			84	121	
	1,2-Dichloroethane	20	20.6	ug/Kg	103			81	126	
	Trichloroethene	20	20.5	ug/Kg	103			83	122	
	1,2-Dichloropropane	20	20.8	ug/Kg	104			83	122	
	Bromodichloromethane	20	21.0	ug/Kg	105			82	123	
	4-Methyl-2-Pentanone	100	98.7	ug/Kg	99			70	135	
	Toluene	20	20.0	ug/Kg	100			83	122	
	t-1,3-Dichloropropene	20	19.8	ug/Kg	99			78	124	
	cis-1,3-Dichloropropene	20	20.4	ug/Kg	102			81	122	
	1,1,2-Trichloroethane	20	20.2	ug/Kg	101			82	125	
	2-Hexanone	100	96.4	ug/Kg	96			66	138	
	Dibromochloromethane	20	19.9	ug/Kg	100			79	125	
	1,2-Dibromoethane	20	20.7	ug/Kg	104			80	125	
	Tetrachloroethene	20	20.8	ug/Kg	104			83	125	
	Chlorobenzene	20	20.3	ug/Kg	102			84	122	
	Ethyl Benzene	20	19.8	ug/Kg	99			82	124	
	m/p-Xylenes	40	39.6	ug/Kg	99			83	124	
	o-Xylene	20	19.8	ug/Kg	99			83	123	
	Styrene	20	19.4	ug/Kg	97			82	124	
	Bromoform	20	19.6	ug/Kg	98			75	127	
	Isopropylbenzene	20	19.6	ug/Kg	98			82	124	
	1,1,2,2-Tetrachloroethane	20	20.1	ug/Kg	101			77	127	
	1,3-Dichlorobenzene	20	19.2	ug/Kg	96			83	122	
	1,4-Dichlorobenzene	20	19.6	ug/Kg	98			84	121	
	1,2-Dichlorobenzene	20	20.0	ug/Kg	100			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2161

Client: Scalamandre – Tully JV

Analytical Method: SW8260D **Datafile :** VY022500.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0602SBS01	1,2-Dibromo-3-Chloropropane	20	21.0	ug/Kg	105			66	134	
	1,2,4-Trichlorobenzene	20	20.7	ug/Kg	104			78	127	
	1,2,3-Trichlorobenzene	20	21.0	ug/Kg	105			70	137	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0530SBL01

Lab Name: CHEMTECH Contract: SCAL01

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG NO.: Q2161

Lab File ID: VY022473.D Lab Sample ID: VY0530SBL01

Date Analyzed: 05/30/2025 Time Analyzed: 12:42

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

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0530SBS01	VY0530SBS01	VY022474.D	05/30/2025
VY0530SBSD01	VY0530SBSD01	VY022475.D	05/30/2025
B28-SOIL-SAMPLE	Q2161-02	VY022485.D	05/30/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0602SBL02

Lab Name: CHEMTECH Contract: SCAL01

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG NO.: Q2161

Lab File ID: VY022499.D Lab Sample ID: VY0602SBL02

Date Analyzed: 06/02/2025 Time Analyzed: 16:00

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

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0602SBS01	VY0602SBS01	VY022500.D	06/02/2025
B27-SOIL-SAMPLE	Q2161-01	VY022508.D	06/02/2025

COMMENTS:

Raw Data: **VX046038.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: SCAL01

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG NO.: Q2161

Lab File ID: VX046038.D BFB Injection Date: 05/05/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:37

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.1
75	30.0 - 60.0% of mass 95	56.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	68.8
175	5.0 - 9.0% of mass 174	5 (7.3) 1
176	95.0 - 101.0% of mass 174	66.7 (97) 1
177	5.0 - 9.0% of mass 176	4.6 (6.9) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC020	VSTDICC020	VX046041.D	05/05/2025	11:35
VSTDICCC050	VSTDICCC050	VX046042.D	05/05/2025	11:58
VSTDICC100	VSTDICC100	VX046043.D	05/05/2025	12:21
VSTDICC150	VSTDICC150	VX046044.D	05/05/2025	12:45
VSTDICC005	VSTDICC005	VX046046.D	05/05/2025	16:04
VSTDICC001	VSTDICC001	VX046047.D	05/05/2025	16:27

Raw Data: **VX046432.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: SCAL01

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG NO.: Q2161

Lab File ID: VX046432.D BFB Injection Date: 06/02/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:42

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.1
75	30.0 - 60.0% of mass 95	55.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.6 (0.9) 1
174	50.0 - 100.0% of mass 95	67.7
175	5.0 - 9.0% of mass 174	5.5 (8.1) 1
176	95.0 - 101.0% of mass 174	66.8 (98.6) 1
177	5.0 - 9.0% of mass 176	4.2 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX046433.D	06/02/2025	10:21
VX0602MBL01	VX0602MBL01	VX046434.D	06/02/2025	10:51
VX0602MBS01	VX0602MBS01	VX046446.D	06/02/2025	15:59
VX0602MBSD01	VX0602MBSD01	VX046447.D	06/02/2025	16:22
B27-SOIL-SAMPLE	Q2161-01	VX046450.D	06/02/2025	17:32
B28-SOIL-SAMPLE	Q2161-02	VX046451.D	06/02/2025	17:56

Raw Data: **VY022420.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: SCAL01

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG NO.: Q2161

Lab File ID: VY022420.D BFB Injection Date: 05/27/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:20

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.8
75	30.0 - 60.0% of mass 95	58.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1.1 (1.2) 1
174	50.0 - 100.0% of mass 95	88.8
175	5.0 - 9.0% of mass 174	6.7 (7.6) 1
176	95.0 - 101.0% of mass 174	85.7 (96.4) 1
177	5.0 - 9.0% of mass 176	5.5 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY022421.D	05/27/2025	08:50
VSTDICC010	VSTDICC010	VY022422.D	05/27/2025	09:14
VSTDICC020	VSTDICC020	VY022423.D	05/27/2025	09:36
VSTDICCC050	VSTDICCC050	VY022424.D	05/27/2025	09:59
VSTDICC100	VSTDICC100	VY022425.D	05/27/2025	10:22
VSTDICC150	VSTDICC150	VY022426.D	05/27/2025	10:44

Raw Data: **VY022471.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: SCAL01

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG NO.: Q2161

Lab File ID: VY022471.D BFB Injection Date: 05/30/2025

Instrument ID: MSVOA_Y BFB Injection Time: 07:54

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.9
75	30.0 - 60.0% of mass 95	57.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	1.1 (1.4) 1
174	50.0 - 100.0% of mass 95	83
175	5.0 - 9.0% of mass 174	6.4 (7.7) 1
176	95.0 - 101.0% of mass 174	81.1 (97.7) 1
177	5.0 - 9.0% of mass 176	5.1 (6.3) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022472.D	05/30/2025	11:20
VY0530SBL01	VY0530SBL01	VY022473.D	05/30/2025	12:42
VY0530SBS01	VY0530SBS01	VY022474.D	05/30/2025	13:14
VY0530SBSD01	VY0530SBSD01	VY022475.D	05/30/2025	13:37
B28-SOIL-SAMPLE	Q2161-02	VY022485.D	05/30/2025	17:48

Raw Data: **VY022488.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: SCAL01

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG NO.: Q2161

Lab File ID: VY022488.D BFB Injection Date: 06/02/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:31

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.6
75	30.0 - 60.0% of mass 95	58.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.5 (0.6) 1
174	50.0 - 100.0% of mass 95	86.2
175	5.0 - 9.0% of mass 174	6.6 (7.6) 1
176	95.0 - 101.0% of mass 174	82.5 (95.6) 1
177	5.0 - 9.0% of mass 176	5.4 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY022491.D	06/02/2025	11:46
VSTDICC010	VSTDICC010	VY022492.D	06/02/2025	12:09
VSTDICC020	VSTDICC020	VY022493.D	06/02/2025	12:32
VSTDICCC050	VSTDICCC050	VY022494.D	06/02/2025	12:54
VSTDICC100	VSTDICC100	VY022495.D	06/02/2025	13:17
VSTDICC150	VSTDICC150	VY022496.D	06/02/2025	13:39
VY0602SBL02	VY0602SBL02	VY022499.D	06/02/2025	16:00
VY0602SBS01	VY0602SBS01	VY022500.D	06/02/2025	16:24
B27-SOIL-SAMPLE	Q2161-01	VY022508.D	06/02/2025	19:31

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: SCAL01

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG NO.: Q2161

Lab File ID: VX046433.D Date Analyzed: 06/02/2025

Instrument ID: MSVOA_X Time Analyzed: 10:21

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	91247	5.54	155497	6.75	135003	10.05
UPPER LIMIT	182494	6.038	310994	7.251	270006	10.549
LOWER LIMIT	45623.5	5.038	77748.5	6.251	67501.5	9.549
EPA SAMPLE NO.						
B27-SOIL-SAMPLE	63815	5.54	124373	6.76	117389	10.05
B28-SOIL-SAMPLE	62971	5.54	124510	6.76	116885	10.06
VX0602MBL01	62792	5.54	125818	6.75	120866	10.05
VX0602MBS01	86890	5.55	153202	6.76	136628	10.05
VX0602MBSD01	84913	5.54	148772	6.76	128743	10.05

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: SCAL01

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG NO.: Q2161

Lab File ID: VX046433.D Date Analyzed: 06/02/2025

Instrument ID: MSVOA_X Time Analyzed: 10:21

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

	IS4 AREA #	RT #				
12 HOUR STD	65264	12.018				
UPPER LIMIT	130528	12.518				
LOWER LIMIT	32632	11.518				
EPA SAMPLE NO.						
B27-SOIL-SAMPLE	54091	12.02				
B28-SOIL-SAMPLE	56286	12.02				
VX0602MBL01	52645	12.02				
VX0602MBS01	64630	12.02				
VX0602MBSD01	60549	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: SCAL01

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG NO.: Q2161

Lab File ID: VY022472.D Date Analyzed: 05/30/2025

Instrument ID: MSVOA_Y Time Analyzed: 11:20

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

	IS1 AREA #		RT #	IS2 AREA #		RT #	IS3 AREA #		RT #
12 HOUR STD	214827		7.71	359018		8.62	302615		11.42
UPPER LIMIT	429654		8.207	718036		9.116	605230		11.92
LOWER LIMIT	107414		7.207	179509		8.116	151308		10.92
EPA SAMPLE NO.									
B28-SOIL-SAMPLE	21427	*	7.71	29760	*	8.62	15121	*	11.41
VY0530SBL01	294864		7.71	538664		8.62	419577		11.42
VY0530SBS01	186406		7.71	333200		8.62	281139		11.41
VY0530SBSD01	192865		7.71	341345		8.62	286239		11.41

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: SCAL01

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG NO.: Q2161

Lab File ID: VY022472.D Date Analyzed: 05/30/2025

Instrument ID: MSVOA_Y Time Analyzed: 11:20

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

	IS4 AREA #		RT #				
12 HOUR STD	141076		13.347				
UPPER LIMIT	282152		13.847				
LOWER LIMIT	70538		12.847				
EPA SAMPLE NO.							
B28-SOIL-SAMPLE	2932	*	13.35				
VY0530SBL01	145190		13.35				
VY0530SBS01	126345		13.35				
VY0530SBSD01	129296		13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: SCAL01

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG NO.: Q2161

Lab File ID: VY022494.D Date Analyzed: 06/02/2025

Instrument ID: MSVOA_Y Time Analyzed: 12:54

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

	IS1 AREA #		RT #	IS2 AREA #		RT #	IS3 AREA #		RT #
12 HOUR STD	209963		7.71	350947		8.62	298187		11.42
UPPER LIMIT	419926		8.213	701894		9.116	596374		11.92
LOWER LIMIT	104982		7.213	175474		8.116	149094		10.92
EPA SAMPLE NO.									
B27-SOIL-SAMPLE	13361	*	7.71	19969	*	8.62	11738	*	11.42
VY0602SBL02	309051		7.71	557091		8.62	442919		11.41
VY0602SBS01	201633		7.71	342745		8.62	291387		11.41

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: SCAL01

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG NO.: Q2161

Lab File ID: VY022494.D Date Analyzed: 06/02/2025

Instrument ID: MSVOA_Y Time Analyzed: 12:54

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

	IS4 AREA #		RT #				
12 HOUR STD	139554		13.347				
UPPER LIMIT	279108		13.847				
LOWER LIMIT	69777		12.847				
EPA SAMPLE NO.							
B27-SOIL-SAMPLE	2342	*	13.35				
VY0602SBL02	162489		13.35				
VY0602SBS01	136847		13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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SAMPLE DATA

Raw Data: **VY022508.D**

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Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	05/12/25
Project:	NYC DOT Harper Street Yard North	Date Received:	05/13/25
Client Sample ID:	B27-SOIL-SAMPLE	SDG No.:	Q2161
Lab Sample ID:	Q2161-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.8
Sample Wt/Vol:	6 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022508.D	1		06/02/25 19:31	VY060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	4.70	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.70	ug/Kg
75-01-4	Vinyl Chloride	0.74	U	0.74	4.70	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	4.70	ug/Kg
75-00-3	Chloroethane	1.20	U	1.20	4.70	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	4.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.99	U	0.99	4.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.94	U	0.94	4.70	ug/Kg
67-64-1	Acetone	4.40	U	4.40	23.5	ug/Kg
75-15-0	Carbon Disulfide	0.99	U	0.99	4.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.69	U	0.69	4.70	ug/Kg
79-20-9	Methyl Acetate	1.40	U	1.40	4.70	ug/Kg
75-09-2	Methylene Chloride	3.30	U	3.30	9.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.81	U	0.81	4.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.75	U	0.75	4.70	ug/Kg
110-82-7	Cyclohexane	0.74	U	0.74	4.70	ug/Kg
78-93-3	2-Butanone	6.10	U	6.10	23.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.91	U	0.91	4.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.70	U	0.70	4.70	ug/Kg
74-97-5	Bromochloromethane	1.10	U	1.10	4.70	ug/Kg
67-66-3	Chloroform	0.79	U	0.79	4.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.87	U	0.87	4.70	ug/Kg
108-87-2	Methylcyclohexane	0.85	U	0.85	4.70	ug/Kg
71-43-2	Benzene	0.74	U	0.74	4.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.74	U	0.74	4.70	ug/Kg
79-01-6	Trichloroethene	0.76	U	0.76	4.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.85	U	0.85	4.70	ug/Kg
75-27-4	Bromodichloromethane	0.73	U	0.73	4.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.40	U	3.40	23.5	ug/Kg
108-88-3	Toluene	0.73	U	0.73	4.70	ug/Kg

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Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	05/12/25
Project:	NYC DOT Harper Street Yard North	Date Received:	05/13/25
Client Sample ID:	B27-SOIL-SAMPLE	SDG No.:	Q2161
Lab Sample ID:	Q2161-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.8
Sample Wt/Vol:	6 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022508.D	1		06/02/25 19:31	VY060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.61	U	0.61	4.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.58	U	0.58	4.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.86	U	0.86	4.70	ug/Kg
591-78-6	2-Hexanone	3.50	U	3.50	23.5	ug/Kg
124-48-1	Dibromochloromethane	0.82	U	0.82	4.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.83	U	0.83	4.70	ug/Kg
127-18-4	Tetrachloroethene	0.99	U	0.99	4.70	ug/Kg
108-90-7	Chlorobenzene	0.85	U	0.85	4.70	ug/Kg
100-41-4	Ethyl Benzene	0.63	U	0.63	4.70	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	9.40	ug/Kg
95-47-6	o-Xylene	0.77	U	0.77	4.70	ug/Kg
100-42-5	Styrene	0.67	U	0.67	4.70	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	4.70	ug/Kg
98-82-8	Isopropylbenzene	0.73	U	0.73	4.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.60	U	1.60	4.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.50	U	1.50	4.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.40	U	1.40	4.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1.70	4.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.80	U	2.80	4.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.00	U	3.00	4.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	38.8		63 - 155	78%	SPK: 50
1868-53-7	Dibromofluoromethane	20.9	*	70 - 134	42%	SPK: 50
2037-26-5	Toluene-d8	43.8		74 - 123	88%	SPK: 50
460-00-4	4-Bromofluorobenzene	22.8		17 - 146	46%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	13400	7.713			
540-36-3	1,4-Difluorobenzene	20000	8.616			
3114-55-4	Chlorobenzene-d5	11700	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	2340	13.353			

Raw Data: **VY022508.D**

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Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	05/12/25
Project:	NYC DOT Harper Street Yard North	Date Received:	05/13/25
Client Sample ID:	B27-SOIL-SAMPLE	SDG No.:	Q2161
Lab Sample ID:	Q2161-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.8
Sample Wt/Vol:	6 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022508.D	1		06/02/25 19:31	VY060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **VY022508.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022508.D
Acq On : 02 Jun 2025 19:31
Operator : SY/MD
Sample : Q2161-01
Misc : 6.00g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B27-SOIL-SAMPLE

Quant Time: Jun 03 04:10:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

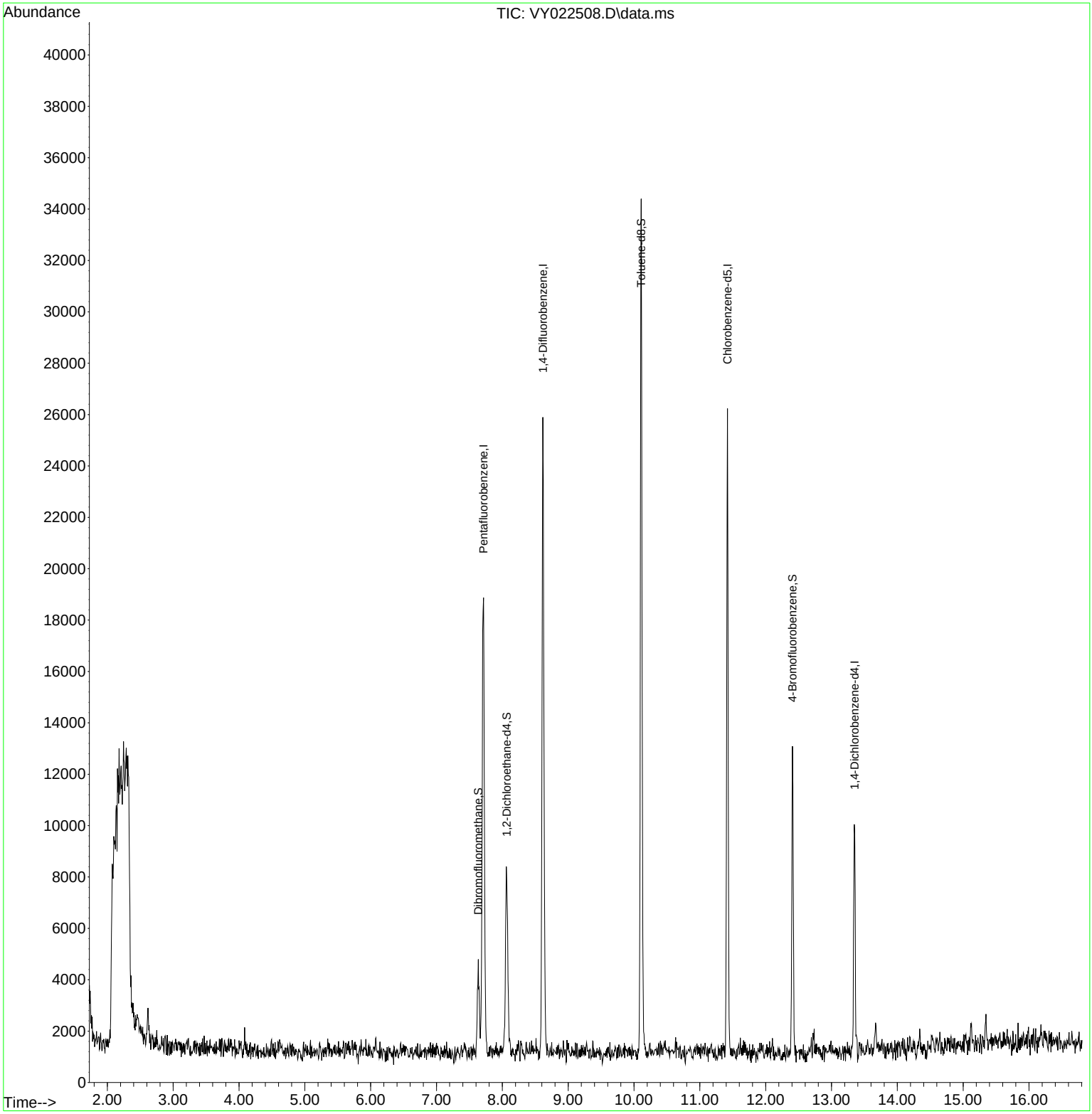
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	13361	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	19969	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	11738	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	2342	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	5802	38.826	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	77.660%		
35) Dibromofluoromethane	7.634	113	2487	20.866	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	41.740%#		
50) Toluene-d8	10.109	98	21085	43.780	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	87.560%		
62) 4-Bromofluorobenzene	12.408	95	3274	22.816	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	45.640%		
Target Compounds						Qvalue

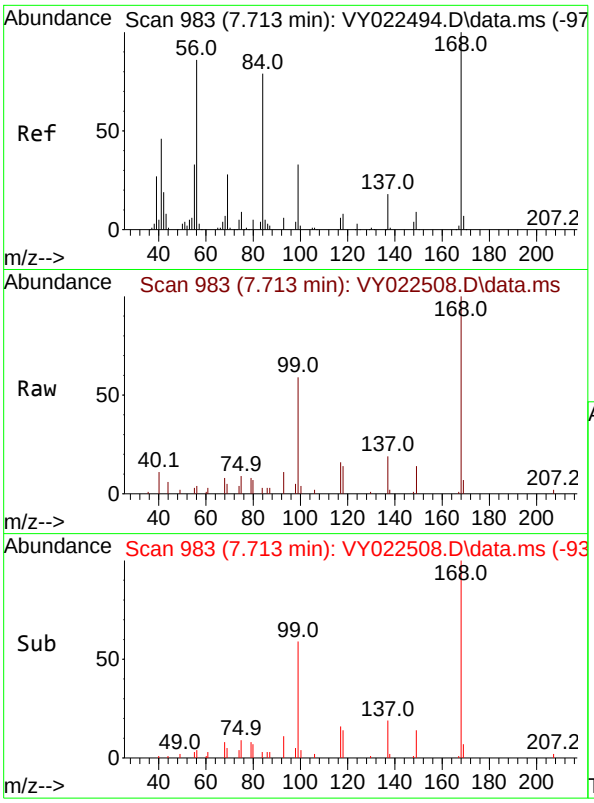
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022508.D
Acq On : 02 Jun 2025 19:31
Operator : SY/MD
Sample : Q2161-01
Misc : 6.00g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B27-SOIL-SAMPLE

Quant Time: Jun 03 04:10:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration



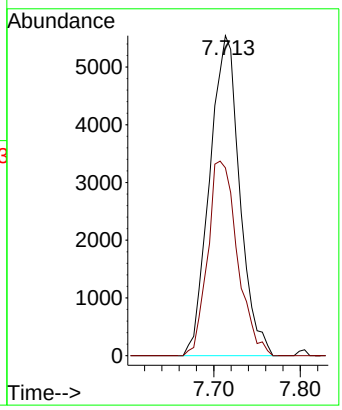


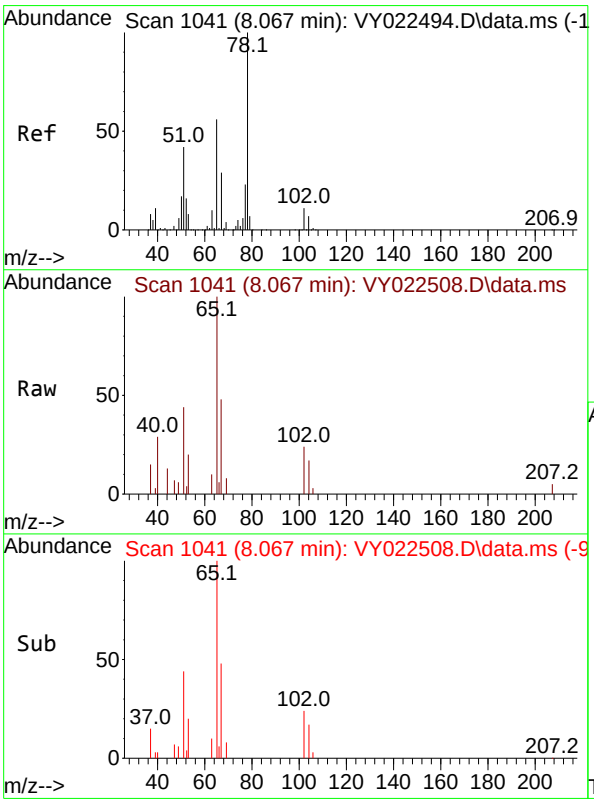
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022508.D
Acq: 02 Jun 2025 19:31

Instrument :
MSVOA_Y
ClientSampleId :
B27-SOIL-SAMPLE

Tgt Ion:168 Resp: 13361

Ion	Ratio	Lower	Upper
168	100		
99	58.7	44.3	66.5

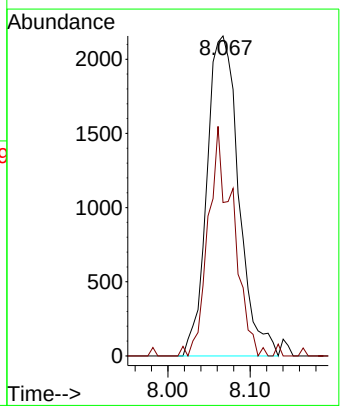


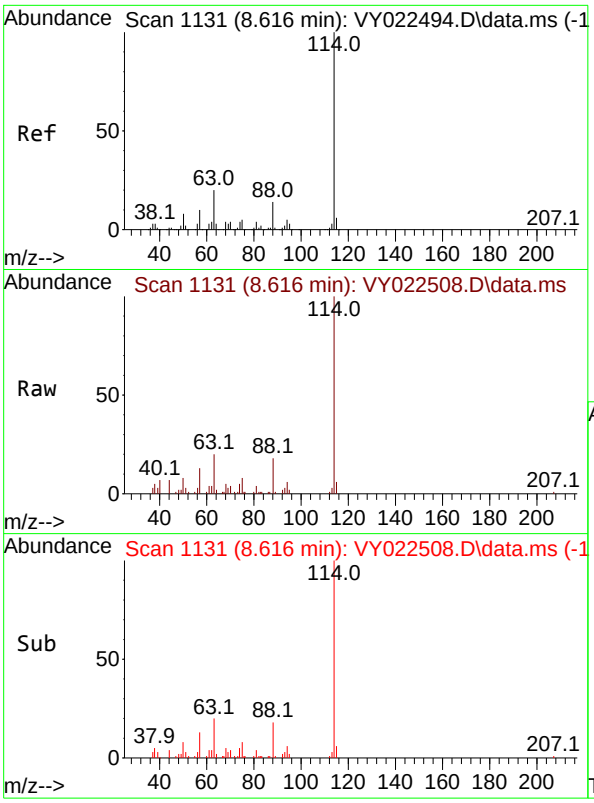


#33
1,2-Dichloroethane-d4
Concen: 38.826 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022508.D
Acq: 02 Jun 2025 19:31

Tgt Ion: 65 Resp: 5802

Ion	Ratio	Lower	Upper
65	100		
67	56.3	0.0	103.4



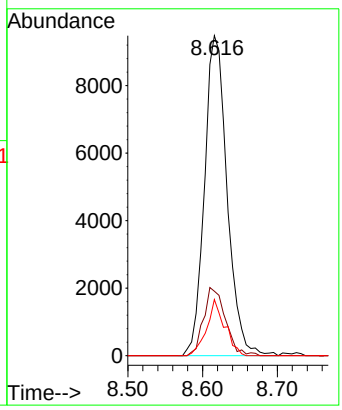


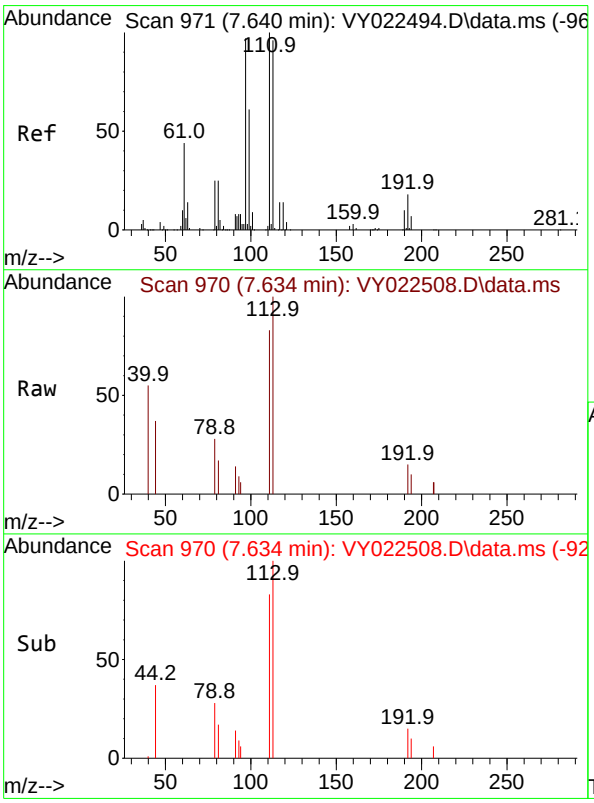
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022508.D
Acq: 02 Jun 2025 19:31

Instrument :
MSVOA_Y
ClientSampleId :
B27-SOIL-SAMPLE

Tgt Ion:114 Resp: 19969

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.8
88	17.6	0.0	27.8

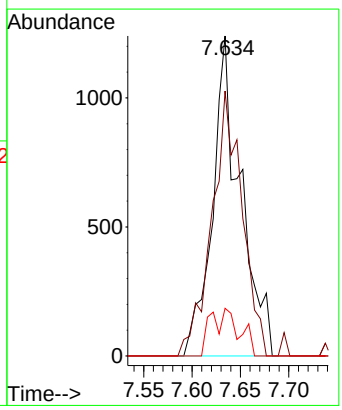


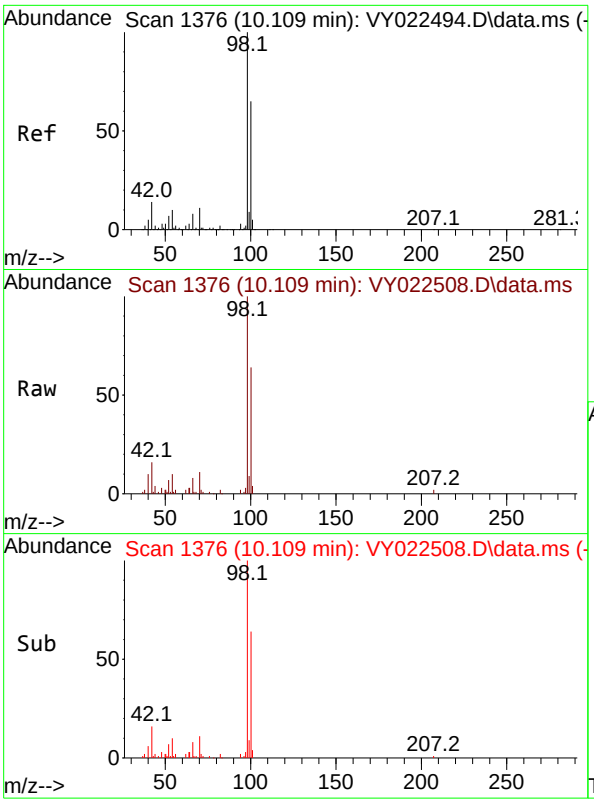


#35
Dibromofluoromethane
Concen: 20.866 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022508.D
Acq: 02 Jun 2025 19:31

Tgt Ion:113 Resp: 2487

Ion	Ratio	Lower	Upper
113	100		
111	89.5	81.1	121.7
192	6.0	14.2	21.2#



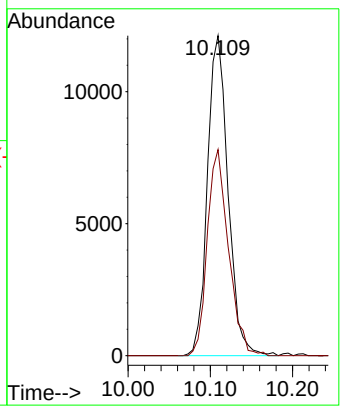


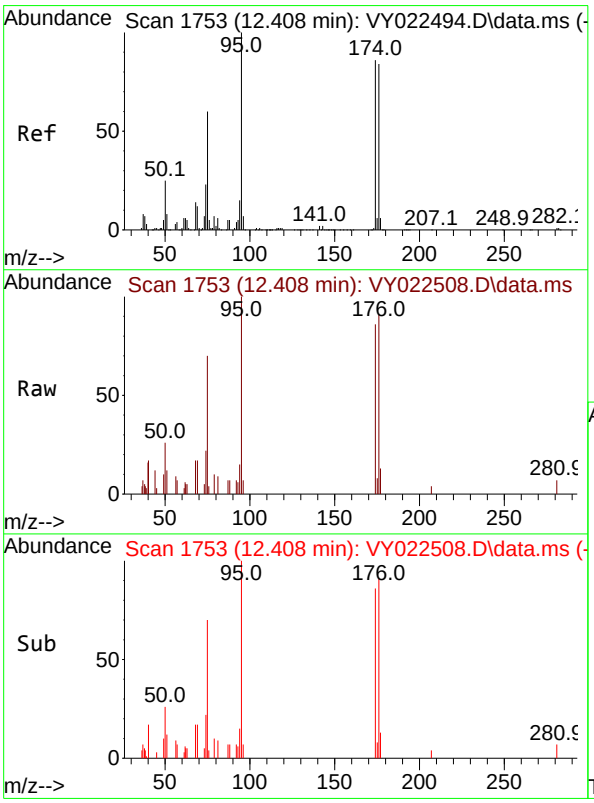
#50
Toluene-d8
Concen: 43.780 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022508.D
Acq: 02 Jun 2025 19:31

Instrument :
MSVOA_Y
ClientSampleId :
B27-SOIL-SAMPLE

Tgt Ion: 98 Resp: 21085

Ion	Ratio	Lower	Upper
98	100		
100	66.5	51.4	77.0

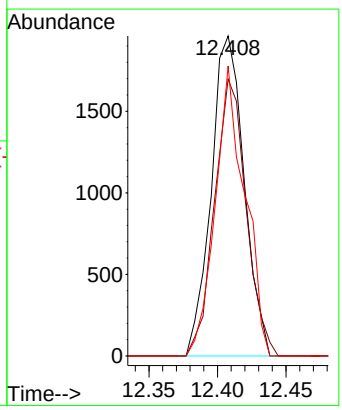


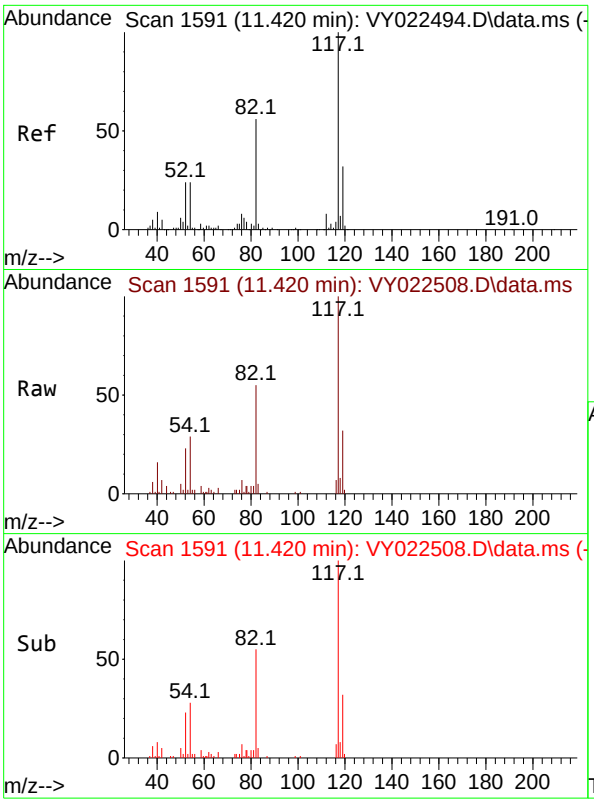


#62
4-Bromofluorobenzene
Concen: 22.816 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022508.D
Acq: 02 Jun 2025 19:31

Tgt Ion: 95 Resp: 3274

Ion	Ratio	Lower	Upper
95	100		
174	83.1	0.0	170.0
176	81.3	0.0	166.2



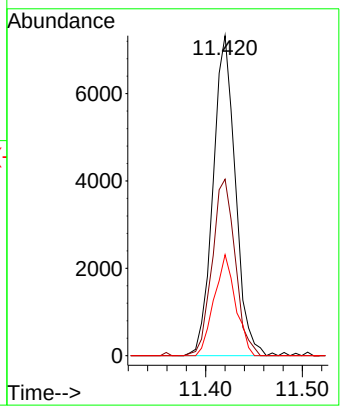


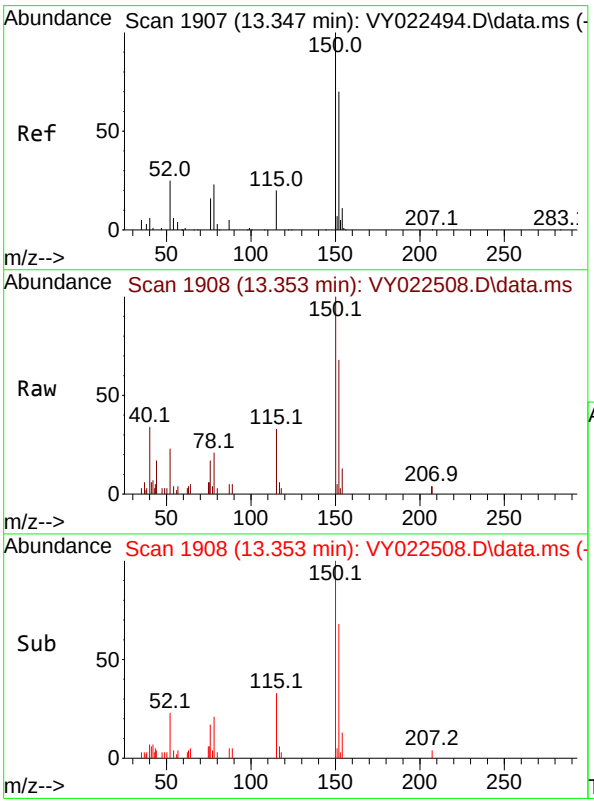
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022508.D
Acq: 02 Jun 2025 19:31

Instrument :
MSVOA_Y
ClientSampleId :
B27-SOIL-SAMPLE

Tgt Ion:117 Resp: 11738

Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.6	66.8
119	31.6	25.4	38.0

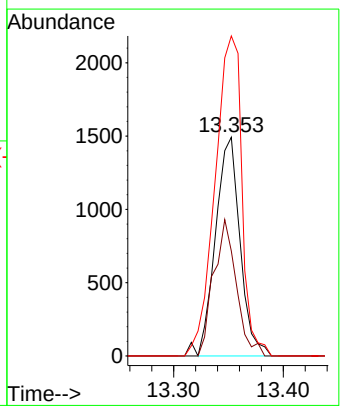




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022508.D
Acq: 02 Jun 2025 19:31

Tgt Ion:152 Resp: 2342

Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.9	86.7
150	158.9	0.0	349.6



Raw Data: **VY022485.D**

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

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	05/12/25
Project:	NYC DOT Harper Street Yard North	Date Received:	05/13/25
Client Sample ID:	B28-SOIL-SAMPLE	SDG No.:	Q2161
Lab Sample ID:	Q2161-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.1
Sample Wt/Vol:	4.5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022485.D	1		05/30/25 17:48	VY053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.40	U	1.40	6.30	ug/Kg
74-87-3	Chloromethane	1.40	U	1.40	6.30	ug/Kg
75-01-4	Vinyl Chloride	1.00	U	1.00	6.30	ug/Kg
74-83-9	Bromomethane	1.30	UQ	1.30	6.30	ug/Kg
75-00-3	Chloroethane	1.60	UQ	1.60	6.30	ug/Kg
75-69-4	Trichlorofluoromethane	1.50	U	1.50	6.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	U	1.30	6.30	ug/Kg
75-35-4	1,1-Dichloroethene	1.30	U	1.30	6.30	ug/Kg
67-64-1	Acetone	6.00	U	6.00	31.5	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	6.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.92	U	0.92	6.30	ug/Kg
79-20-9	Methyl Acetate	1.90	U	1.90	6.30	ug/Kg
75-09-2	Methylene Chloride	4.50	U	4.50	12.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.10	U	1.10	6.30	ug/Kg
75-34-3	1,1-Dichloroethane	1.00	U	1.00	6.30	ug/Kg
110-82-7	Cyclohexane	1.00	U	1.00	6.30	ug/Kg
78-93-3	2-Butanone	8.20	U	8.20	31.5	ug/Kg
56-23-5	Carbon Tetrachloride	1.20	U	1.20	6.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.95	U	0.95	6.30	ug/Kg
74-97-5	Bromochloromethane	1.50	U	1.50	6.30	ug/Kg
67-66-3	Chloroform	1.10	U	1.10	6.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.20	U	1.20	6.30	ug/Kg
108-87-2	Methylcyclohexane	1.10	U	1.10	6.30	ug/Kg
71-43-2	Benzene	1.00	U	1.00	6.30	ug/Kg
107-06-2	1,2-Dichloroethane	1.00	U	1.00	6.30	ug/Kg
79-01-6	Trichloroethene	1.00	U	1.00	6.30	ug/Kg
78-87-5	1,2-Dichloropropane	1.10	U	1.10	6.30	ug/Kg
75-27-4	Bromodichloromethane	0.98	U	0.98	6.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.50	U	4.50	31.5	ug/Kg
108-88-3	Toluene	0.98	U	0.98	6.30	ug/Kg

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	05/12/25
Project:	NYC DOT Harper Street Yard North	Date Received:	05/13/25
Client Sample ID:	B28-SOIL-SAMPLE	SDG No.:	Q2161
Lab Sample ID:	Q2161-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.1
Sample Wt/Vol:	4.5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022485.D	1		05/30/25 17:48	VY053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.82	U	0.82	6.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.78	U	0.78	6.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.20	U	1.20	6.30	ug/Kg
591-78-6	2-Hexanone	4.70	U	4.70	31.5	ug/Kg
124-48-1	Dibromochloromethane	1.10	U	1.10	6.30	ug/Kg
106-93-4	1,2-Dibromoethane	1.10	U	1.10	6.30	ug/Kg
127-18-4	Tetrachloroethene	1.30	U	1.30	6.30	ug/Kg
108-90-7	Chlorobenzene	1.10	U	1.10	6.30	ug/Kg
100-41-4	Ethyl Benzene	0.84	U	0.84	6.30	ug/Kg
179601-23-1	m/p-Xylenes	1.60	U	1.60	12.6	ug/Kg
95-47-6	o-Xylene	1.00	U	1.00	6.30	ug/Kg
100-42-5	Styrene	0.90	U	0.90	6.30	ug/Kg
75-25-2	Bromoform	1.10	U	1.10	6.30	ug/Kg
98-82-8	Isopropylbenzene	0.98	U	0.98	6.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.50	U	1.50	6.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.20	U	2.20	6.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.00	U	2.00	6.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.80	U	1.80	6.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.30	U	2.30	6.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.70	U	3.70	6.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.00	U	4.00	6.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	27.2	*	63 - 155	54%	SPK: 50
1868-53-7	Dibromofluoromethane	20.9	*	70 - 134	42%	SPK: 50
2037-26-5	Toluene-d8	42.2		74 - 123	84%	SPK: 50
460-00-4	4-Bromofluorobenzene	21.2		17 - 146	42%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	21400	7.713			
540-36-3	1,4-Difluorobenzene	29800	8.616			
3114-55-4	Chlorobenzene-d5	15100	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	2930	13.347			

Raw Data: **VY022485.D**

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

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	05/12/25
Project:	NYC DOT Harper Street Yard North	Date Received:	05/13/25
Client Sample ID:	B28-SOIL-SAMPLE	SDG No.:	Q2161
Lab Sample ID:	Q2161-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.1
Sample Wt/Vol:	4.5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022485.D	1		05/30/25 17:48	VY053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
Data File : VY022485.D
Acq On : 30 May 2025 17:48
Operator : SY/MD
Sample : Q2161-02
Misc : 4.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B28-SOIL-SAMPLE

Quant Time: May 31 02:31:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

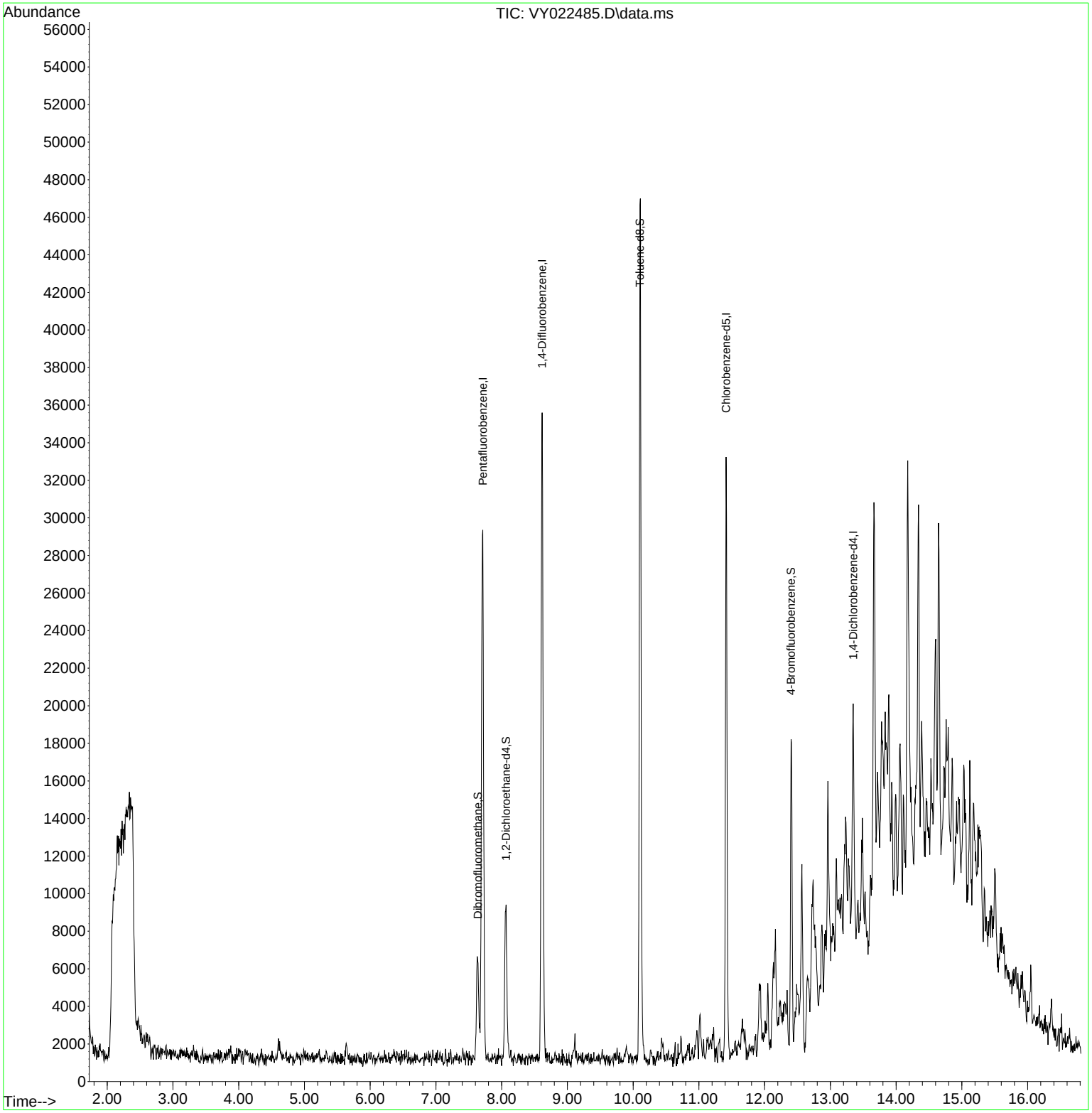
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	21427	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	29760	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	15121	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	2932	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	6140	27.205	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	54.420%		
35) Dibromofluoromethane	7.640	113	3635	20.857	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	41.720%#		
50) Toluene-d8	10.103	98	29970	42.183	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	84.360%		
62) 4-Bromofluorobenzene	12.402	95	4550	21.172	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	42.340%		
Target Compounds						Qvalue

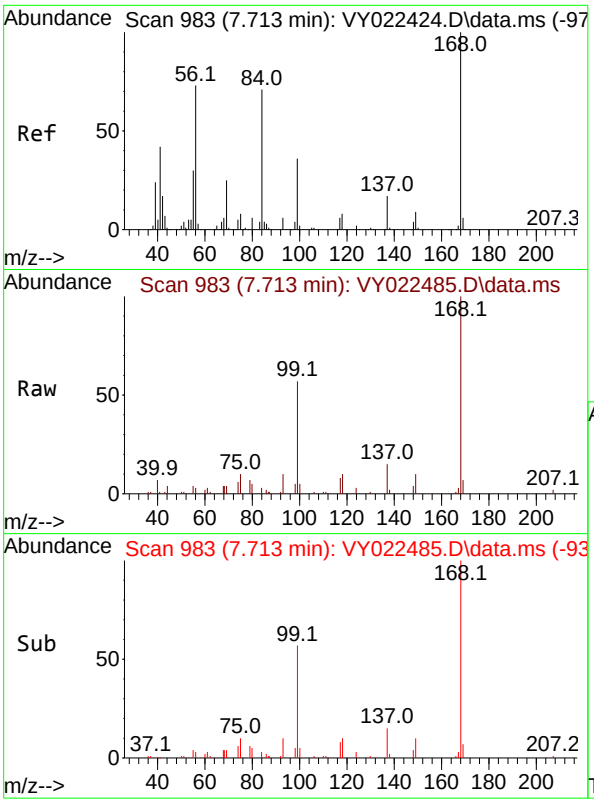
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
Data File : VY022485.D
Acq On : 30 May 2025 17:48
Operator : SY/MD
Sample : Q2161-02
Misc : 4.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B28-SOIL-SAMPLE

Quant Time: May 31 02:31:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration



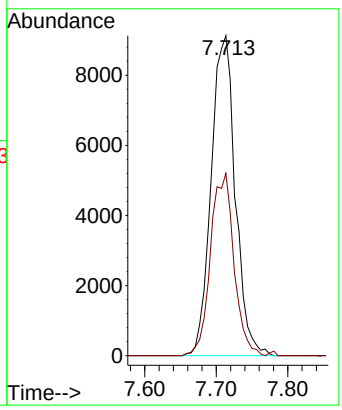


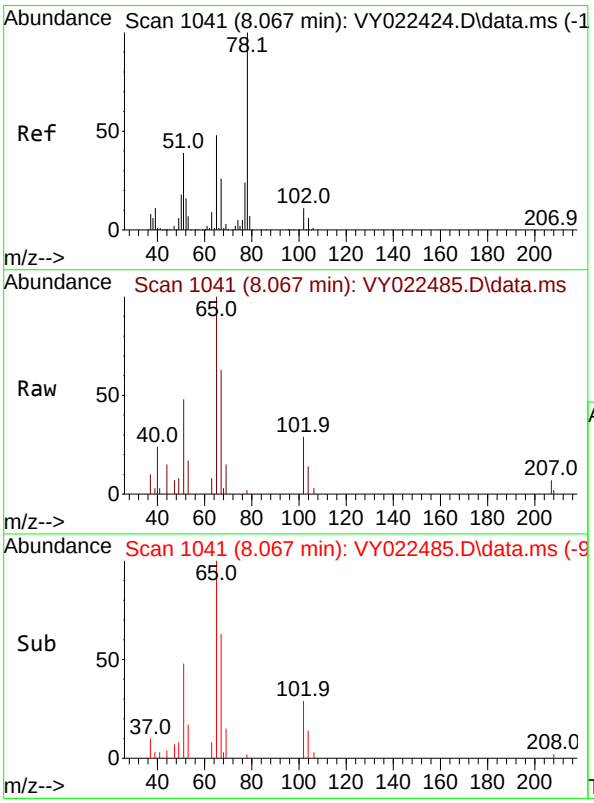
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022485.D
Acq: 30 May 2025 17:48

Instrument :
MSVOA_Y
ClientSampleId :
B28-SOIL-SAMPLE

Tgt Ion:168 Resp: 21427

Ion	Ratio	Lower	Upper
168	100		
99	56.9	44.7	67.1

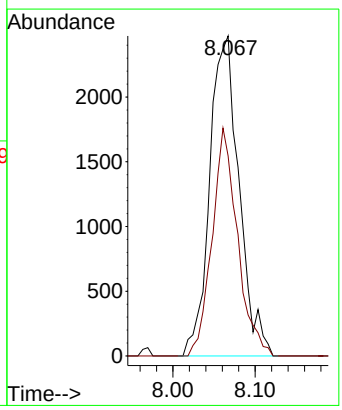


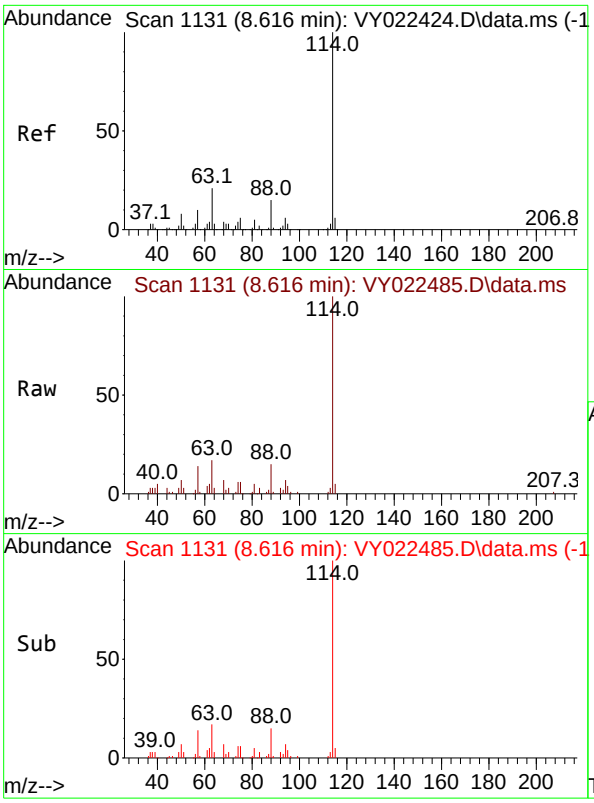


#33
1,2-Dichloroethane-d4
Concen: 27.205 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY022485.D
Acq: 30 May 2025 17:48

Tgt Ion: 65 Resp: 6140

Ion	Ratio	Lower	Upper
65	100		
67	61.7	0.0	104.4



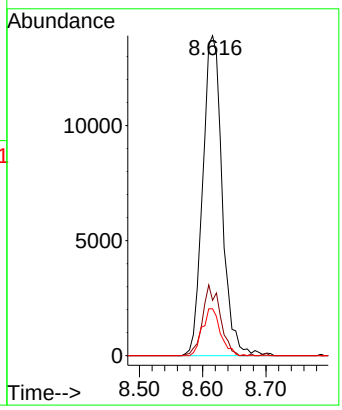


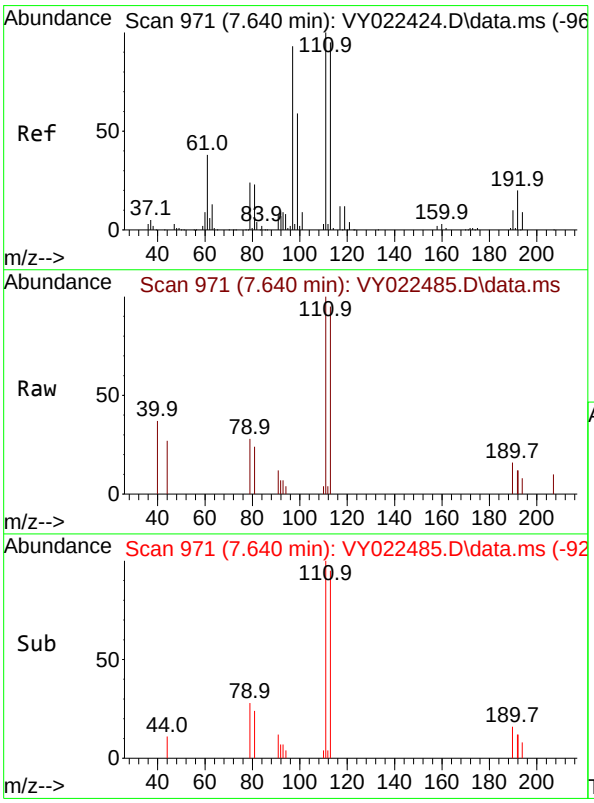
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022485.D
Acq: 30 May 2025 17:48

Instrument :
MSVOA_Y
ClientSampleId :
B28-SOIL-SAMPLE

Tgt Ion:114 Resp: 29760

Ion	Ratio	Lower	Upper
114	100		
63	17.3	0.0	42.6
88	14.7	0.0	29.4

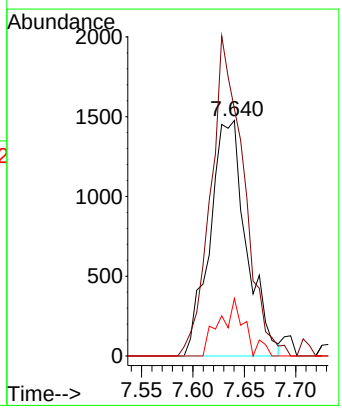


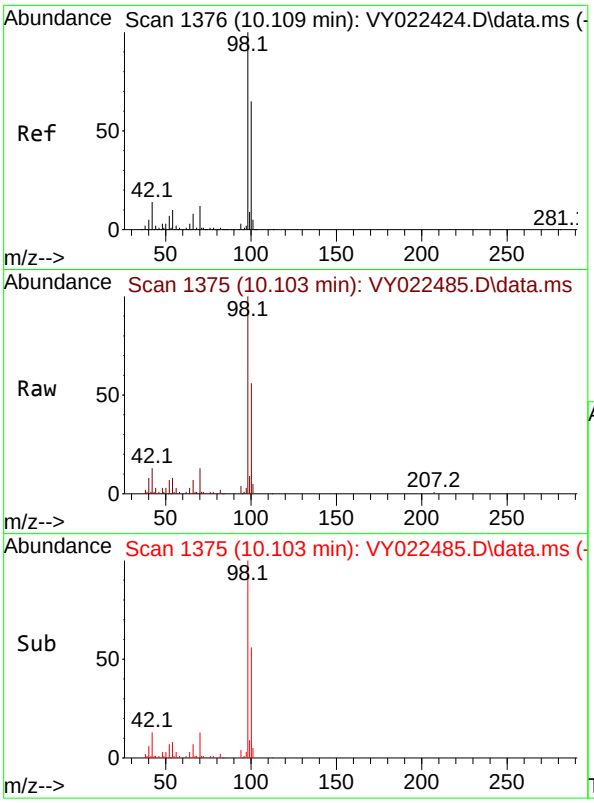


#35
Dibromofluoromethane
Concen: 20.857 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.000 min
Lab File: VY022485.D
Acq: 30 May 2025 17:48

Tgt Ion:113 Resp: 3635

Ion	Ratio	Lower	Upper
113	100		
111	123.1	82.4	123.6
192	17.4	15.2	22.8



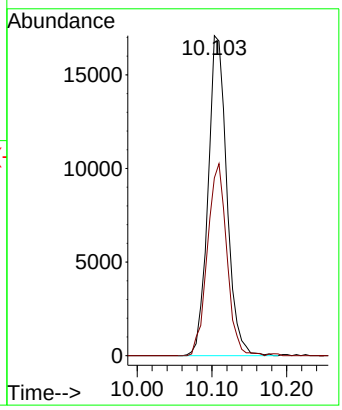


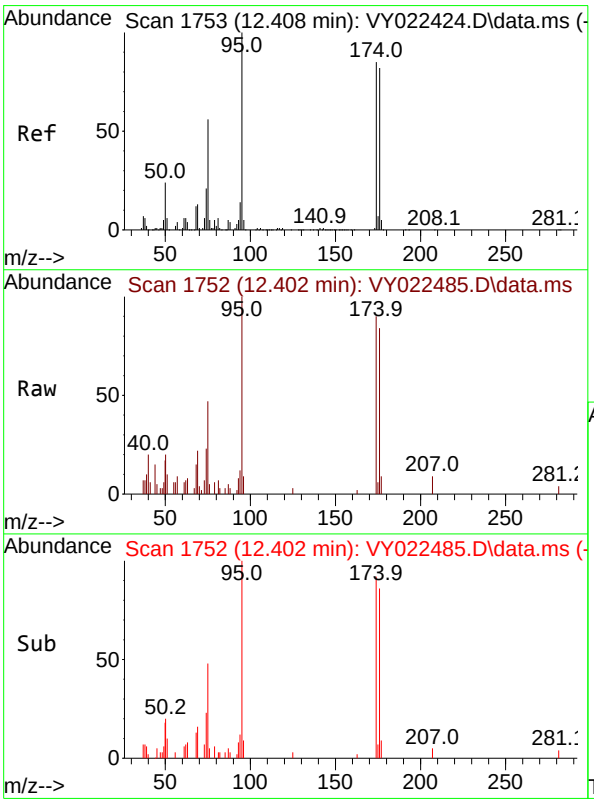
#50
Toluene-d8
Concen: 42.183 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022485.D
Acq: 30 May 2025 17:48

Instrument :
MSVOA_Y
ClientSampleId :
B28-SOIL-SAMPLE

Tgt Ion: 98 Resp: 29970

Ion	Ratio	Lower	Upper
98	100		
100	61.9	52.2	78.2

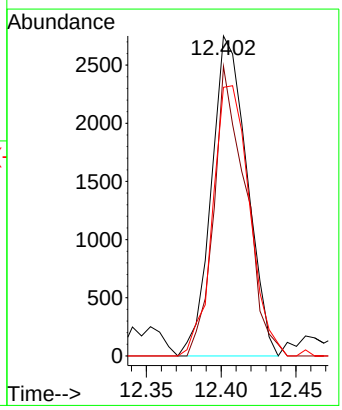


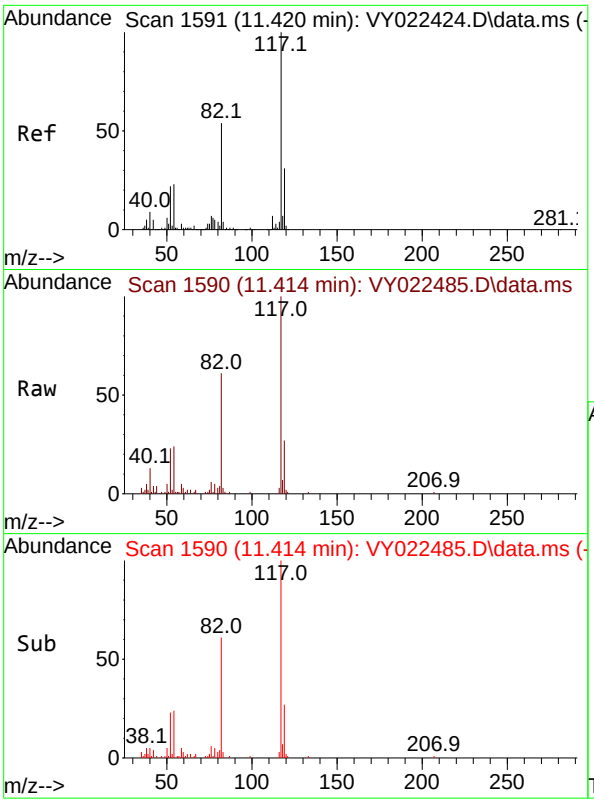


#62
4-Bromofluorobenzene
Concen: 21.172 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022485.D
Acq: 30 May 2025 17:48

Tgt Ion: 95 Resp: 4550

Ion	Ratio	Lower	Upper
95	100		
174	80.4	0.0	171.6
176	87.4	0.0	164.6



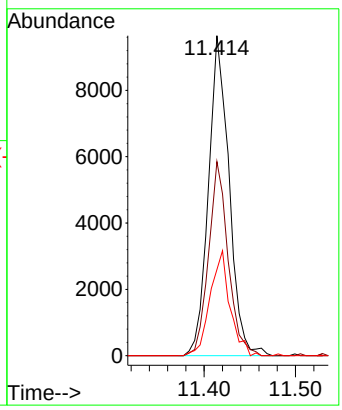


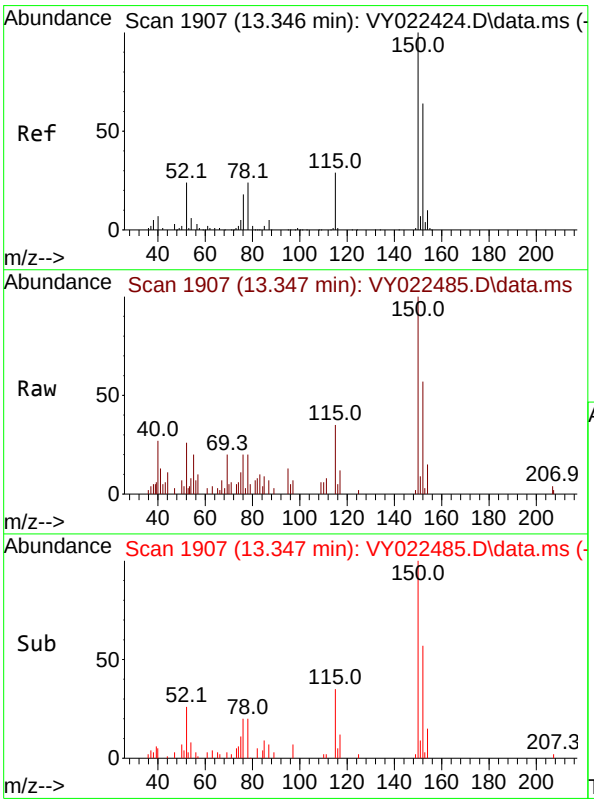
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022485.D
Acq: 30 May 2025 17:48

Instrument :
MSVOA_Y
ClientSampleId :
B28-SOIL-SAMPLE

Tgt Ion:117 Resp: 15121

Ion	Ratio	Lower	Upper
117	100		
82	60.6	43.3	64.9
119	26.9	24.5	36.7

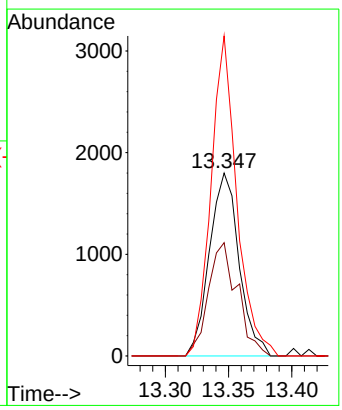




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022485.D
Acq: 30 May 2025 17:48

Tgt Ion:152 Resp: 2932

Ion	Ratio	Lower	Upper
152	100		
115	61.1	28.4	85.3
150	152.0	0.0	345.8



CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: SCAL01

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG No.: Q2161

Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

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

LAB FILE ID: RRF020 = VX046041.D RRF050 = VX046042.D RRF100 = VX046043.D
RRF150 = VX046044.D RRF005 = VX046046.D RRF001 = VX046047.D

COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.697	0.864	0.859	0.875	0.639	0.658	0.765	14.6
Chloromethane	0.727	0.775	0.787	0.791	0.679	0.694	0.742	6.6
Vinyl Chloride	0.660	0.710	0.727	0.755	0.619	0.673	0.691	7.2
Bromomethane	0.296	0.326	0.340	0.334	0.305		0.320	5.8
Chloroethane	0.354	0.378	0.329	0.317	0.368	0.467	0.369	14.4
Trichlorofluoromethane	1.035	1.068	0.983	0.985	0.990	1.064	1.021	3.9
1,1,2-Trichlorotrifluoroethane	0.628	0.641	0.629	0.648	0.610	0.633	0.632	2.1
1,1-Dichloroethene	0.565	0.601	0.607	0.625	0.567	0.594	0.593	3.9
Acetone	0.361	0.362	0.361	0.370	0.408	0.380	0.374	4.9
Carbon Disulfide	1.295	1.455	1.522	1.597	1.141	1.423	1.406	11.7
Methyl tert-butyl Ether	2.044	2.160	2.172	2.239	1.908	1.949	2.079	6.4
Methyl Acetate	0.814	0.848	0.845	0.875	0.816	1.006	0.867	8.3
Methylene Chloride	0.689	0.684	0.691	0.691	0.689	0.853	0.716	9.4
trans-1,2-Dichloroethene	0.573	0.610	0.612	0.622	0.557	0.604	0.596	4.3
1,1-Dichloroethane	1.233	1.263	1.263	1.286	1.154	1.116	1.219	5.6
Cyclohexane	1.090	1.128	1.128	1.150	1.059		1.111	3.3
2-Butanone	0.540	0.555	0.558	0.569	0.539	0.495	0.543	4.8
Carbon Tetrachloride	0.528	0.558	0.552	0.577	0.505	0.541	0.544	4.6
cis-1,2-Dichloroethene	0.716	0.737	0.738	0.755	0.642	0.719	0.718	5.5
Bromochloromethane	0.628	0.578	0.595	0.590	0.553	0.576	0.587	4.3
Chloroform	1.287	1.296	1.277	1.300	1.199	1.265	1.271	3
1,1,1-Trichloroethane	1.106	1.131	1.155	1.188	1.013	1.015	1.101	6.6
Methylcyclohexane	0.596	0.641	0.627	0.658	0.587	0.627	0.623	4.3
Benzene	1.426	1.474	1.441	1.477	1.337	1.348	1.417	4.3
1,2-Dichloroethane	0.632	0.627	0.611	0.625	0.594	0.579	0.612	3.5
Trichloroethene	0.344	0.355	0.345	0.362	0.315	0.324	0.341	5.3
1,2-Dichloropropane	0.356	0.371	0.368	0.378	0.324	0.317	0.352	7.4
Bromodichloromethane	0.557	0.577	0.573	0.594	0.498	0.485	0.547	8.2
4-Methyl-2-Pentanone	0.620	0.634	0.630	0.631	0.555	0.561	0.605	6
Toluene	0.884	0.898	0.885	0.904	0.838	0.803	0.869	4.5

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

Raw Data

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: SCAL01

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG No.: Q2161

Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

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

LAB FILE ID: RRF020 = VX046041.D RRF050 = VX046042.D RRF100 = VX046043.D
RRF150 = VX046044.D RRF005 = VX046046.D RRF001 = VX046047.D

COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.468	0.528	0.555	0.591	0.406	0.371	0.487	17.9
cis-1,3-Dichloropropene	0.531	0.578	0.602	0.623	0.469	0.423	0.538	14.6
1,1,2-Trichloroethane	0.349	0.354	0.351	0.356	0.337	0.308	0.343	5.3
2-Hexanone	0.466	0.473	0.477	0.473	0.414	0.385	0.448	8.7
Dibromochloromethane	0.378	0.400	0.415	0.431	0.326	0.306	0.376	13.3
1,2-Dibromoethane	0.359	0.373	0.368	0.381	0.333	0.322	0.356	6.5
Tetrachloroethene	0.390	0.375	0.345	0.344	0.323	0.347	0.354	6.8
Chlorobenzene	1.093	1.098	1.085	1.114	1.046	1.131	1.094	2.7
Ethyl Benzene	1.919	2.022	1.979	2.036	1.816	1.803	1.929	5.2
m/p-Xylenes	0.706	0.740	0.721	0.740	0.678	0.648	0.706	5.2
o-Xylene	0.688	0.727	0.706	0.726	0.639	0.642	0.688	5.7
Styrene	1.135	1.219	1.214	1.230	1.012	0.951	1.127	10.6
Bromoform	0.270	0.304	0.312	0.327	0.236	0.234	0.281	14.2
Isopropylbenzene	3.843	4.130	3.876	4.156	3.562	3.789	3.893	5.7
1,1,2,2-Tetrachloroethane	1.315	1.338	1.284	1.345	1.350	1.552	1.364	7
1,3-Dichlorobenzene	1.633	1.701	1.656	1.730	1.558	1.619	1.649	3.7
1,4-Dichlorobenzene	1.629	1.693	1.639	1.722	1.606	1.817	1.684	4.6
1,2-Dichlorobenzene	1.613	1.696	1.634	1.702	1.577	1.710	1.655	3.3
1,2-Dibromo-3-Chloropropane	0.299	0.322	0.329	0.356	0.248	0.259	0.302	13.9
1,2,4-Trichlorobenzene	0.861	0.981	1.035	1.123	0.842	0.862	0.951	12
1,2,3-Trichlorobenzene	0.921	1.019	1.051	1.107	0.846	0.941	0.981	9.7
1,2-Dichloroethane-d4	0.953	0.910	0.930	0.932	0.935		0.932	1.6
Dibromofluoromethane	0.359	0.355	0.364	0.368	0.354		0.360	1.7
Toluene-d8	1.246	1.223	1.266	1.275	1.221		1.246	2
4-Bromofluorobenzene	0.455	0.470	0.500	0.500	0.464		0.478	4.4

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

Response Factor Report MSVOA_X2

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X050525W.M
Title : SW846 8260
Last Update : Tue May 06 07:12:22 2025
Response Via : Initial Calibration

Calibration Files
1 =VX046047.D 5 =VX046046.D 20 =VX046041.D 50 =VX046042.D 100 =VX046043.D 150 =VX046044.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.658	0.639	0.697	0.864	0.859	0.875	0.765	14.62
3)	P	Chloromethane	0.694	0.679	0.727	0.775	0.787	0.791	0.742	6.58
4)	C	Vinyl Chloride	0.673	0.619	0.660	0.710	0.727	0.755	0.691	7.17#
5)	T	Bromomethane		0.305	0.296	0.326	0.340	0.334	0.320	5.84
6)	T	Chloroethane	0.467	0.368	0.354	0.378	0.329	0.317	0.369	14.44
7)	T	Trichlorofluor...	1.064	0.990	1.035	1.068	0.983	0.985	1.021	3.92
8)	T	Diethyl Ether	0.403	0.311	0.340	0.337	0.338	0.355	0.347	8.83
9)	T	1,1,2-Trichlor...	0.633	0.610	0.628	0.641	0.629	0.648	0.632	2.10
10)	T	Methyl Iodide		0.608	0.767	0.806	0.793	0.763	0.747	10.68
11)	T	Tert butyl alc...		0.114	0.122	0.129	0.144	0.146	0.131	10.45
12)	CM	1,1-Dichloroet...	0.594	0.567	0.565	0.601	0.607	0.625	0.593	3.94#
13)	T	Acrolein		0.117	0.158	0.152	0.154	0.163	0.149	12.33
14)	T	Allyl chloride	1.052	1.058	1.127	1.179	1.187	1.196	1.133	5.75
15)	T	Acrylonitrile	0.363	0.345	0.378	0.388	0.381	0.390	0.374	4.52
16)	T	Acetone	0.380	0.408	0.361	0.362	0.361	0.370	0.374	4.90
17)	T	Carbon Disulfide	1.423	1.141	1.295	1.455	1.522	1.597	1.406	11.68
18)	T	Methyl Acetate	1.006	0.816	0.814	0.848	0.845	0.875	0.867	8.27
19)	T	Methyl tert-bu...	1.949	1.908	2.044	2.160	2.172	2.239	2.079	6.39
20)	T	Methylene Chlo...	0.853	0.689	0.689	0.684	0.691	0.691	0.716	9.39
21)	T	trans-1,2-Dich...	0.604	0.557	0.573	0.610	0.612	0.622	0.596	4.27
22)	T	Diisopropyl ether	2.095	1.924	2.219	2.278	2.295	2.321	2.189	6.97
23)	T	Vinyl Acetate	1.660	1.698	1.928	2.048	2.082	2.134	1.925	10.52
24)	P	1,1-Dichloroet...	1.116	1.154	1.233	1.263	1.263	1.286	1.219	5.60
25)	T	2-Butanone	0.495	0.539	0.540	0.555	0.558	0.569	0.543	4.77
26)	T	2,2-Dichloropr...	0.965	0.850	0.910	0.957	1.003	1.039	0.954	7.03
27)	T	cis-1,2-Dichlo...	0.719	0.642	0.716	0.737	0.738	0.755	0.718	5.55
28)	T	Bromochloromet...	0.576	0.553	0.628	0.578	0.595	0.590	0.587	4.28
29)	T	Tetrahydrofuran	0.318	0.318	0.340	0.350	0.351	0.362	0.340	5.36
30)	C	Chloroform	1.265	1.199	1.287	1.296	1.277	1.300	1.271	2.95#
31)	T	Cyclohexane		1.059	1.090	1.128	1.128	1.150	1.111	3.26
32)	T	1,1,1-Trichlor...	1.015	1.013	1.106	1.131	1.155	1.188	1.101	6.60
33)	S	1,2-Dichloroet...		0.935	0.953	0.910	0.930	0.932	0.932	1.65
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.354	0.359	0.355	0.364	0.368	0.360	1.70
36)	T	1,1-Dichloropr...	0.493	0.462	0.463	0.495	0.483	0.505	0.484	3.68
37)	T	Ethyl Acetate	0.586	0.582	0.569	0.611	0.609	0.631	0.598	3.83
38)	T	Carbon Tetrach...	0.541	0.505	0.528	0.558	0.552	0.577	0.544	4.61
39)	T	Methylcyclohexane	0.627	0.587	0.596	0.641	0.627	0.658	0.623	4.34
40)	TM	Benzene	1.348	1.337	1.426	1.474	1.441	1.477	1.417	4.30
41)	T	Methacrylonitrile	0.233	0.288	0.318	0.346	0.343	0.348	0.313	14.50
42)	TM	1,2-Dichloroet...	0.579	0.594	0.632	0.627	0.611	0.625	0.612	3.45
43)	T	Isopropyl Acetate	0.764	0.826	0.905	0.963	0.982	1.030	0.912	11.05
44)	TM	Trichloroethene	0.324	0.315	0.344	0.355	0.345	0.362	0.341	5.28
45)	C	1,2-Dichloropr...	0.317	0.324	0.356	0.371	0.368	0.378	0.352	7.37#
46)	T	Dibromomethane	0.263	0.262	0.285	0.287	0.280	0.289	0.278	4.35
47)	T	Bromodichlorom...	0.485	0.498	0.557	0.577	0.573	0.594	0.547	8.22
48)	T	Methyl methacr...	0.370	0.426	0.465	0.502	0.500	0.531	0.466	12.75
49)	T	1,4-Dioxane	0.007	0.009	0.009	0.009	0.009	0.010	0.009	8.45
50)	S	Toluene-d8		1.221	1.246	1.223	1.266	1.275	1.246	1.95
51)	T	4-Methyl-2-Pen...	0.561	0.555	0.620	0.634	0.630	0.631	0.605	6.04
52)	CM	Toluene	0.803	0.838	0.884	0.898	0.885	0.904	0.869	4.54#
53)	T	t-1,3-Dichloro...	0.371	0.406	0.468	0.528	0.555	0.591	0.487	17.86
54)	T	cis-1,3-Dichlo...	0.423	0.469	0.531	0.578	0.602	0.623	0.538	14.61
55)	T	1,1,2-Trichlor...	0.308	0.337	0.349	0.354	0.351	0.356	0.343	5.30
56)	T	Ethyl methacry...	0.377	0.508	0.540	0.595	0.617	0.639	0.546	17.58

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

57)	T	1,3-Dichloropr...	0.610	0.601	0.618	0.623	0.613	0.627	0.615	1.53
58)	T	2-Chloroethyl ...	0.230	0.247	0.270	0.307	0.303	0.313	0.278	12.41
59)	T	2-Hexanone	0.385	0.414	0.466	0.473	0.477	0.473	0.448	8.69
60)	T	Dibromochlorom...	0.306	0.326	0.378	0.400	0.415	0.431	0.376	13.28
61)	T	1,2-Dibromoethane	0.322	0.333	0.359	0.373	0.368	0.381	0.356	6.54
62)	S	4-Bromofluorob...		0.464	0.455	0.470	0.500	0.500	0.478	4.41
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.347	0.323	0.390	0.375	0.345	0.344	0.354	6.84
65)	PM	Chlorobenzene	1.131	1.046	1.093	1.098	1.085	1.114	1.094	2.65
66)	T	1,1,1,2-Tetrac...	0.369	0.341	0.365	0.390	0.382	0.395	0.374	5.22
67)	C	Ethyl Benzene	1.803	1.816	1.919	2.022	1.979	2.036	1.929	5.24#
68)	T	m/p-Xylenes	0.648	0.678	0.706	0.740	0.721	0.740	0.706	5.21
69)	T	o-Xylene	0.642	0.639	0.688	0.727	0.706	0.726	0.688	5.75
70)	T	Styrene	0.951	1.012	1.135	1.219	1.214	1.230	1.127	10.56
71)	P	Bromoform	0.234	0.236	0.270	0.304	0.312	0.327	0.281	14.17
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.789	3.562	3.843	4.130	3.876	4.156	3.893	5.72
74)	T	N-amyl acetate	1.715	1.652	1.846	2.067	2.068	2.192	1.924	11.32
75)	P	1,1,2,2-Tetrac...	1.552	1.350	1.315	1.338	1.284	1.345	1.364	6.97
76)	T	1,2,3-Trichlor...	1.405	1.167	1.151	1.187	1.131	1.181	1.204	8.36
77)	T	Bromobenzene	0.926	0.862	0.896	0.928	0.883	0.928	0.904	3.08
78)	T	n-propylbenzene	4.272	4.186	4.394	4.854	4.583	4.868	4.526	6.45
79)	T	2-Chlorotoluene	3.184	2.748	2.832	2.994	2.805	2.953	2.919	5.45
80)	T	1,3,5-Trimethy...	3.036	3.053	3.275	3.487	3.255	3.405	3.252	5.60
81)	T	trans-1,4-Dich...		0.269	0.335	0.385	0.410	0.449	0.370	18.91
82)	T	4-Chlorotoluene	3.226	2.939	3.196	3.430	3.255	3.379	3.238	5.32
83)	T	tert-Butylbenzene	3.341	3.098	3.115	3.435	3.255	3.411	3.276	4.44
84)	T	1,2,4-Trimethy...	3.150	3.034	3.274	3.522	3.335	3.444	3.293	5.52
85)	T	sec-Butylbenzene	3.708	3.767	3.937	4.282	4.095	4.343	4.022	6.55
86)	T	p-Isopropyltol...	3.025	3.084	3.206	3.555	3.450	3.599	3.320	7.44
87)	T	1,3-Dichlorobe...	1.619	1.558	1.633	1.701	1.656	1.729	1.649	3.71
88)	T	1,4-Dichlorobe...	1.817	1.606	1.629	1.693	1.639	1.722	1.684	4.64
89)	T	n-Butylbenzene	2.443	2.650	2.748	3.147	3.139	3.346	2.912	12.00
90)	T	Hexachloroethane	0.511	0.523	0.551	0.622	0.622	0.680	0.585	11.44
91)	T	1,2-Dichlorobe...	1.710	1.577	1.613	1.696	1.634	1.702	1.655	3.34
92)	T	1,2-Dibromo-3-...	0.259	0.248	0.299	0.322	0.329	0.356	0.302	13.89
93)	T	1,2,4-Trichlor...	0.862	0.842	0.861	0.981	1.035	1.123	0.951	12.03
94)	T	Hexachlorobuta...	0.393	0.414	0.394	0.427	0.418	0.445	0.415	4.79
95)	T	Naphthalene	3.499	2.929	3.204	3.613	3.690	3.984	3.487	10.69
96)	T	1,2,3-Trichlor...	0.941	0.846	0.921	1.019	1.051	1.107	0.981	9.74

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	83671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	147096	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	31909	12.820	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	25.640%#		
35) Dibromofluoromethane	5.385	113	21112	12.804	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	25.600%#		
50) Toluene-d8	8.646	98	73333	13.200	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	26.400%#		
62) 4-Bromofluorobenzene	11.079	95	26760	13.236	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	26.480%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	23341	12.638	ug/l	96
3) Chloromethane	1.306	50	24316	13.371	ug/l	98
4) Vinyl Chloride	1.373	62	22096	13.868	ug/l	94
5) Bromomethane	1.593	94	9920	12.279	ug/l	93
6) Chloroethane	1.666	64	11832	14.414	ug/l	95
7) Trichlorofluoromethane	1.873	101	34636	14.271	ug/l	100
8) Diethyl Ether	2.129	74	11392	14.278	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.324	101	21027	14.499	ug/l	98
10) Methyl Iodide	2.446	142	25661	15.070	ug/l	99
11) Tert butyl alcohol	2.971	59	20370	68.662	ug/l	97
12) 1,1-Dichloroethene	2.312	96	18899	13.385	ug/l	98
13) Acrolein	2.233	56	26427	76.689	ug/l	95
14) Allyl chloride	2.660	41	37708	14.133	ug/l	99
15) Acrylonitrile	3.062	53	63290	71.312	ug/l	98
16) Acetone	2.379	43	60363	70.884	ug/l	99
17) Carbon Disulfide	2.501	76	43348	13.251	ug/l	100
18) Methyl Acetate	2.702	43	27234	13.397	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	68402	13.890	ug/l	100
20) Methylene Chloride	2.782	84	23050	13.362	ug/l	96
21) trans-1,2-Dichloroethene	3.086	96	19161	13.294	ug/l	96
22) Diisopropyl ether	3.763	45	74257	14.896	ug/l	95
23) Vinyl Acetate	3.720	43	322598	73.230	ug/l	100
24) 1,1-Dichloroethane	3.605	63	41257	14.082	ug/l	98
25) 2-Butanone	4.556	43	90331	73.489	ug/l	98
26) 2,2-Dichloropropane	4.470	77	30472	13.729	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	23970	13.791	ug/l	98
28) Bromochloromethane	4.897	49	21028	13.497	ug/l	99
29) Tetrahydrofuran	5.007	42	56819	71.175	ug/l	100
30) Chloroform	5.086	83	43065	14.144	ug/l	95
31) Cyclohexane	5.458	56	36470	14.769	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	37003	14.092	ug/l	98
36) 1,1-Dichloropropene	5.684	75	27242	14.231	ug/l	98
37) Ethyl Acetate	4.720	43	33458	13.931	ug/l	98
38) Carbon Tetrachloride	5.671	117	31091	14.137	ug/l	98
39) Methylcyclohexane	7.372	83	35077	14.623	ug/l	99
40) Benzene	6.031	78	83898	14.140	ug/l	97

ICAL Form

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

Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.915	41	18732	14.038	ug/l		95
42) 1,2-Dichloroethane	6.080	62	37203	15.165	ug/l		100
43) Isopropyl Acetate	6.342	43	53275	14.512	ug/l		99
44) Trichloroethene	7.116	130	20239	14.429	ug/l		99
45) 1,2-Dichloropropane	7.427	63	20940	14.204	ug/l		98
46) Dibromomethane	7.580	93	16781	14.439	ug/l		99
47) Bromodichloromethane	7.817	83	32762	14.545	ug/l		94
48) Methyl methacrylate	7.689	41	27374	14.521	ug/l		100
49) 1,4-Dioxane	7.659	88	10585	282.442	ug/l		98
51) 4-Methyl-2-Pentanone	8.573	43	182455	75.775	ug/l		98
52) Toluene	8.713	92	52030	14.788	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	27549	14.566	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	31226	14.154	ug/l		98
55) 1,1,2-Trichloroethane	9.152	97	20536	14.442	ug/l		96
56) Ethyl methacrylate	9.116	69	31787	14.425	ug/l		98
57) 1,3-Dichloropropane	9.305	76	36341	14.417	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	79531	80.312	ug/l		100
59) 2-Hexanone	9.427	43	137054	74.997	ug/l		99
60) Dibromochloromethane	9.518	129	22267	14.387	ug/l		99
61) 1,2-Dibromoethane	9.610	107	21113	14.458	ug/l		96
64) Tetrachloroethene	9.268	164	19924	15.263	ug/l		97
65) Chlorobenzene	10.079	112	55863	14.202	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.158	131	18671	14.231	ug/l		98
67) Ethyl Benzene	10.189	91	98113	14.631	ug/l		100
68) m/p-Xylenes	10.299	106	72202	29.806	ug/l		99
69) o-Xylene	10.640	106	35178	14.408	ug/l		96
70) Styrene	10.652	104	58034	14.853	ug/l		98
71) Bromoform	10.799	173	13825	14.030	ug/l	#	100
73) Isopropylbenzene	10.957	105	93013	14.096	ug/l		99
74) N-amyl acetate	10.841	43	44684	13.581	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	31830	13.560	ug/l		99
76) 1,2,3-Trichloropropane	11.237	75	27845m	11.039	ug/l		
77) Bromobenzene	11.195	156	21695	14.212	ug/l		96
78) n-propylbenzene	11.298	91	106337	14.376	ug/l		99
79) 2-Chlorotoluene	11.359	91	68534	13.748	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	79261	14.468	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	8104	13.371	ug/l		91
82) 4-Chlorotoluene	11.451	91	77338	14.116	ug/l		100
83) tert-Butylbenzene	11.713	119	75382	14.011	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	79232	14.480	ug/l		99
85) sec-Butylbenzene	11.890	105	95271	14.263	ug/l		100
86) p-Isopropyltoluene	12.006	119	77599	14.387	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	39520	13.898	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	39419	14.146	ug/l		99
89) n-Butylbenzene	12.329	91	66506	14.184	ug/l		99
90) Hexachloroethane	12.536	117	13332	13.287	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	39031	14.092	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.938	75	7232	13.535	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	20846	13.745	ug/l		99
94) Hexachlorobutadiene	13.725	225	9524	13.426	ug/l		97
95) Naphthalene	13.774	128	77542	14.040	ug/l		99
96) 1,2,3-Trichlorobenzene	13.956	180	22301	14.023	ug/l		97

ICAL Form

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

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

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

ICAL Form

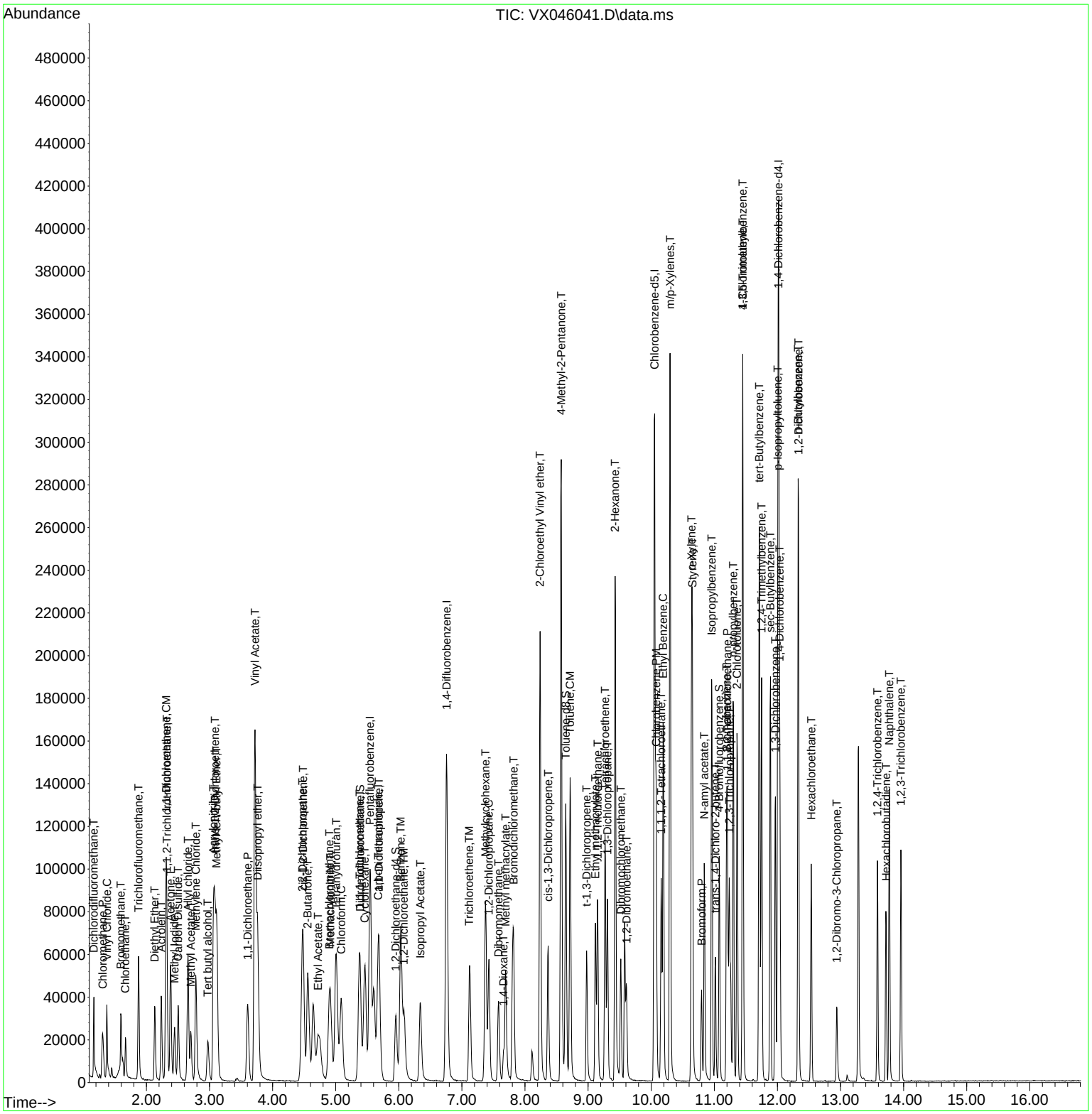
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
Acq On : 05 May 2025 11:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

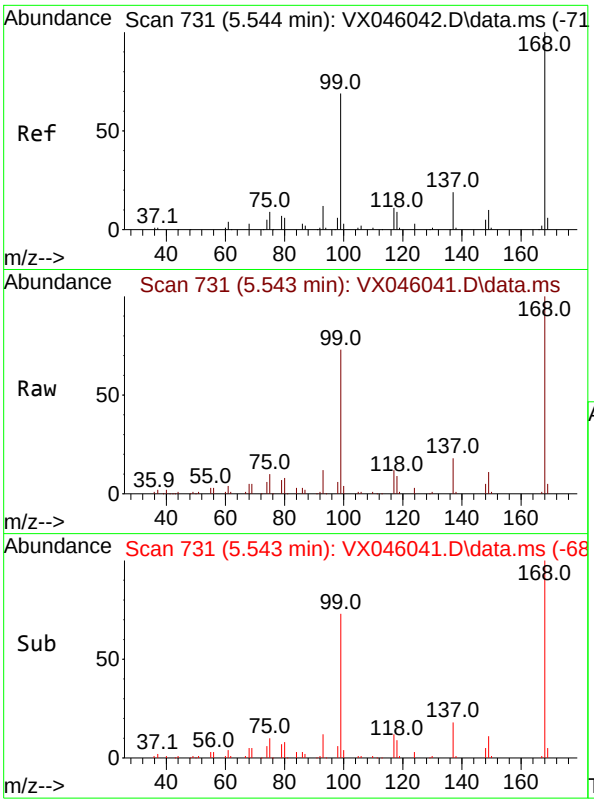
Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

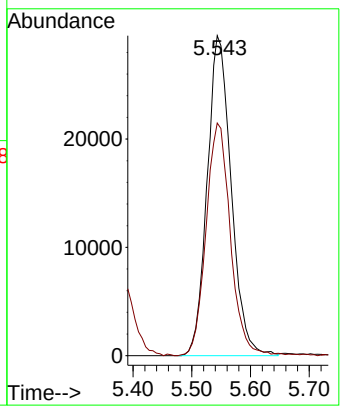




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.001 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:168 Resp: 8367

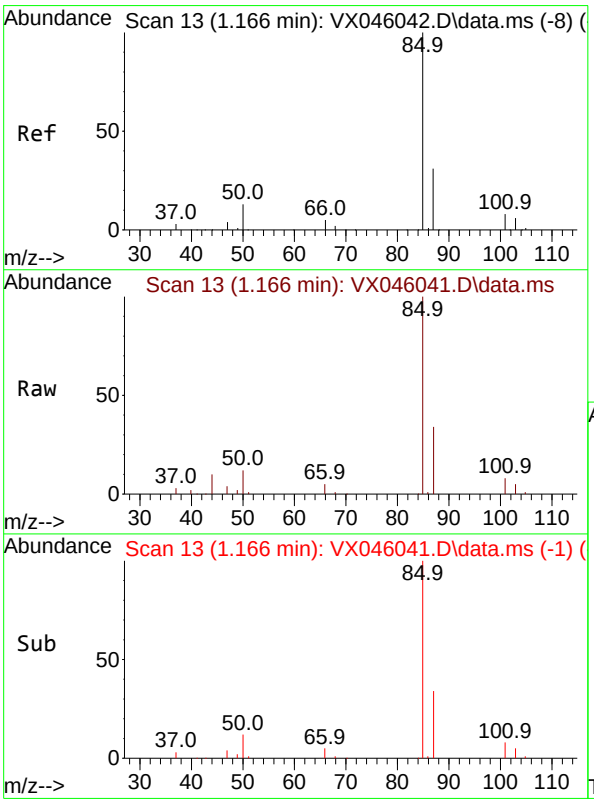
Ion	Ratio	Lower	Upper
168	100		
99	72.7	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

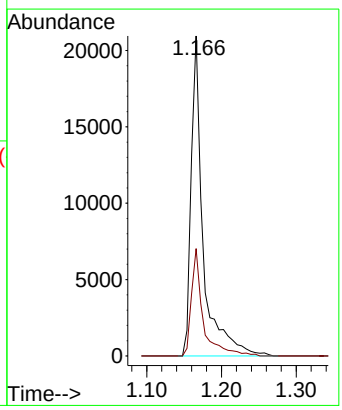
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

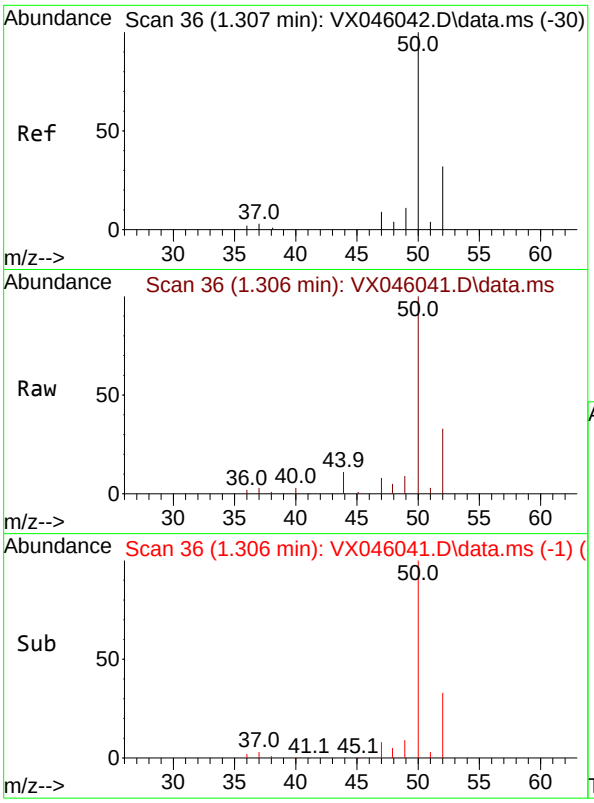


#2
Dichlorodifluoromethane
Concen: 12.638 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 85 Resp: 23341

Ion	Ratio	Lower	Upper
85	100		
87	33.5	15.7	47.1

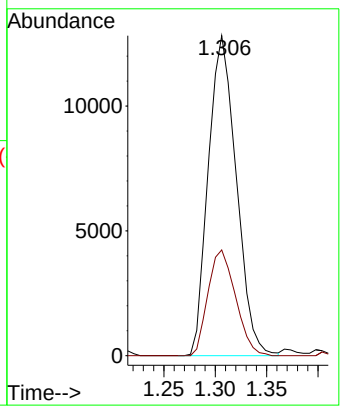




#3
Chloromethane
Concen: 13.371 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 50 Resp: 2431

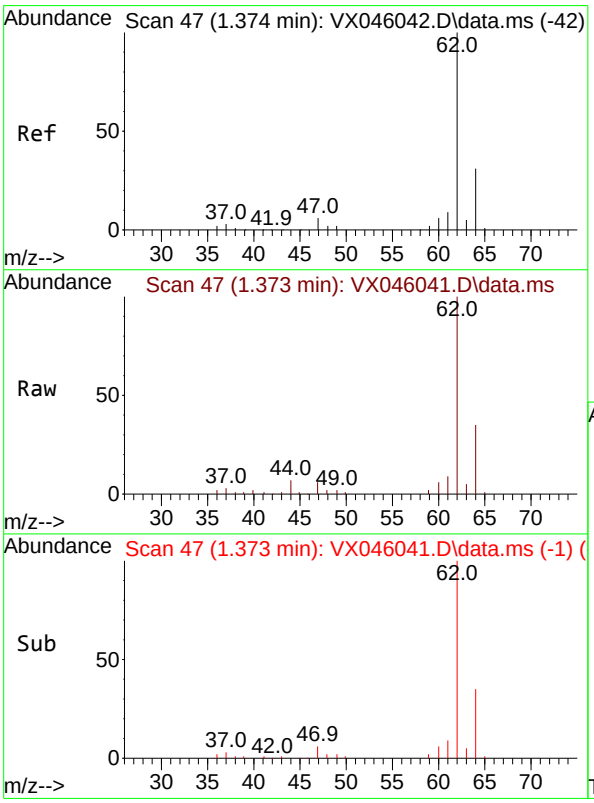
Ion	Ratio	Lower	Upper
50	100		
52	33.0	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

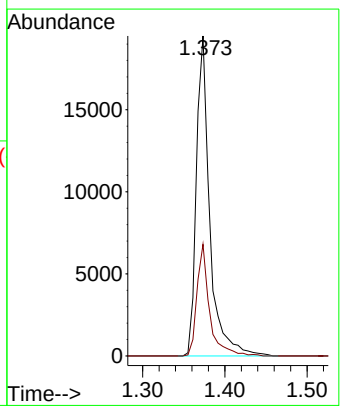
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

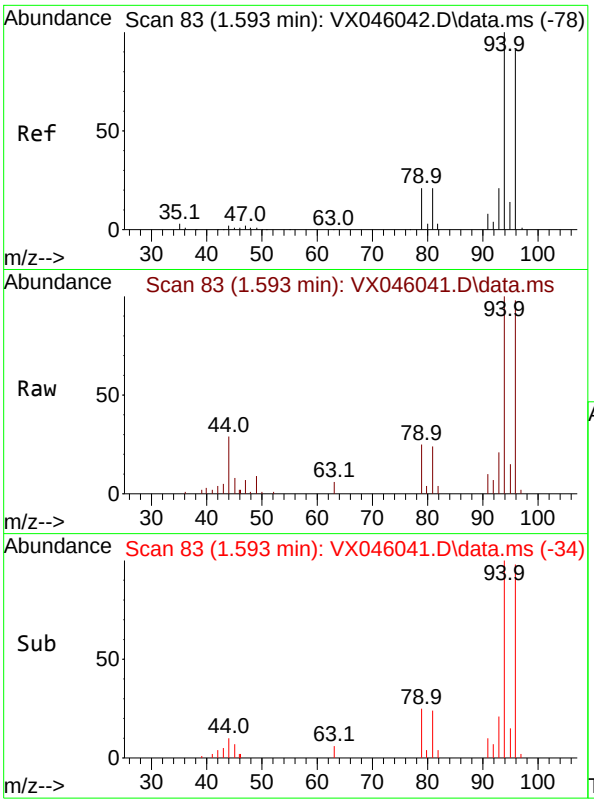


#4
Vinyl Chloride
Concen: 13.868 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 62 Resp: 22096

Ion	Ratio	Lower	Upper
62	100		
64	34.9	25.2	37.8

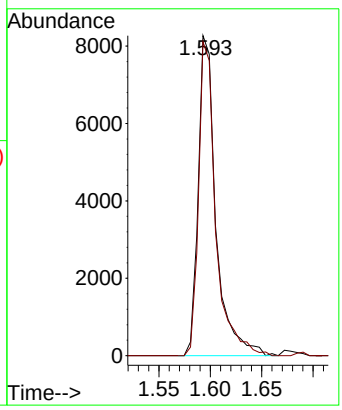




#5
Bromomethane
Concen: 12.279 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 94 Resp: 992

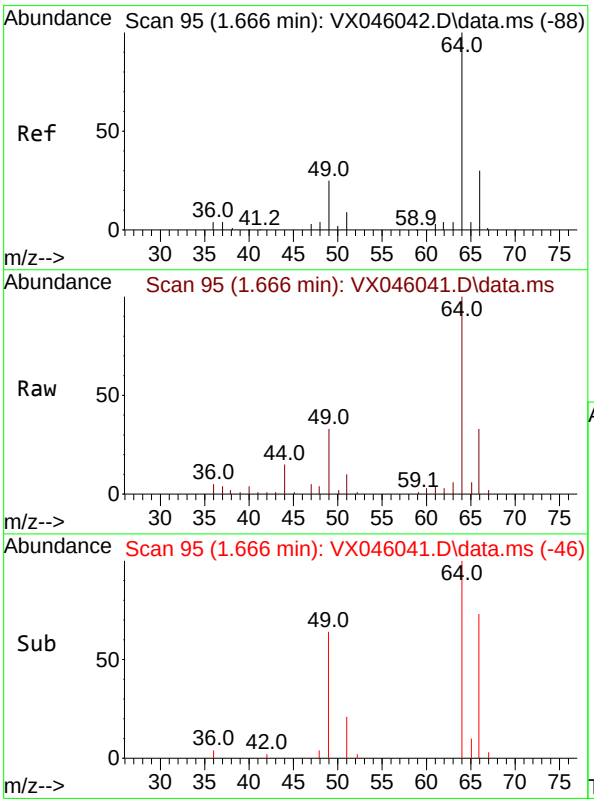
Ion	Ratio	Lower	Upper
94	100		
96	98.1	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

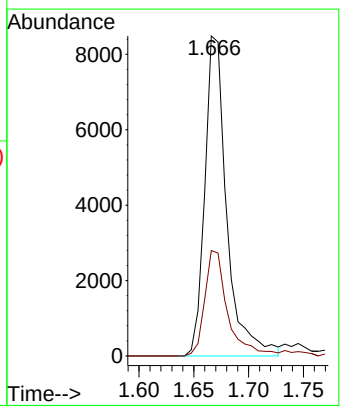
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

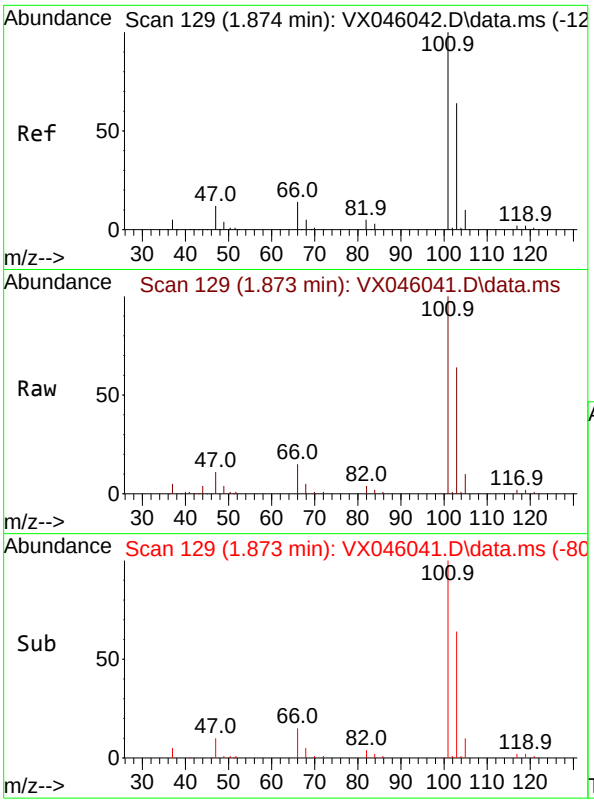


#6
Chloroethane
Concen: 14.414 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 64 Resp: 11832

Ion	Ratio	Lower	Upper
64	100		
66	32.9	24.3	36.5





#7
Trichlorofluoromethane
Concen: 14.271 ug/l
RT: 1.873 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

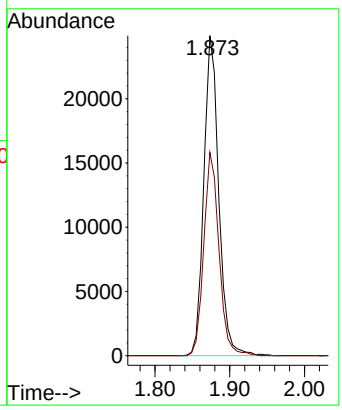
Tgt Ion:101 Resp: 3463

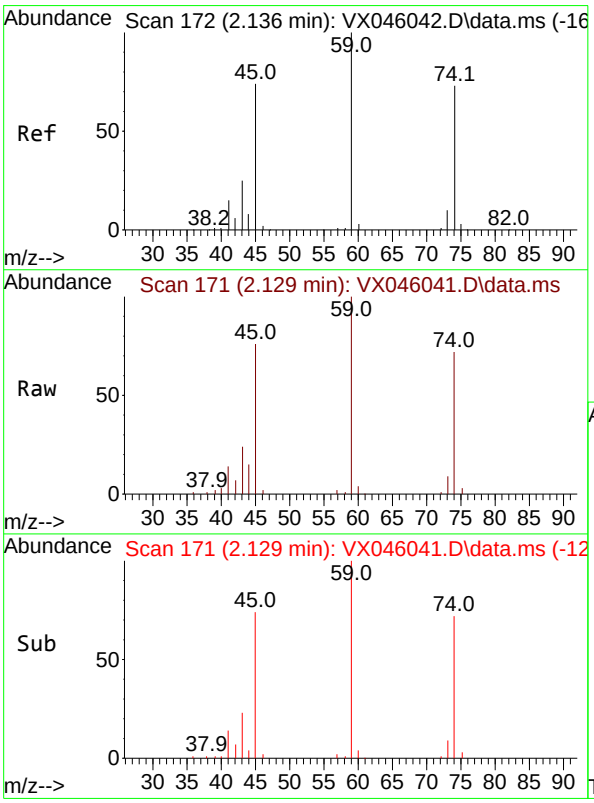
Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.0	76.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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

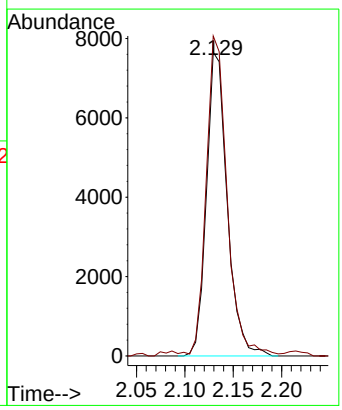


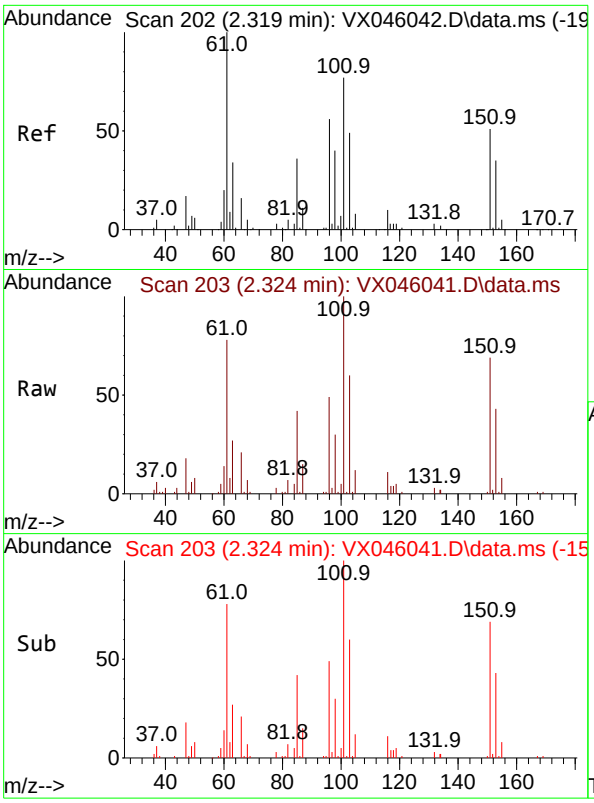


#8
Diethyl Ether
Concen: 14.278 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 74 Resp: 11392

Ion	Ratio	Lower	Upper
74	100		
45	103.7	54.9	164.8

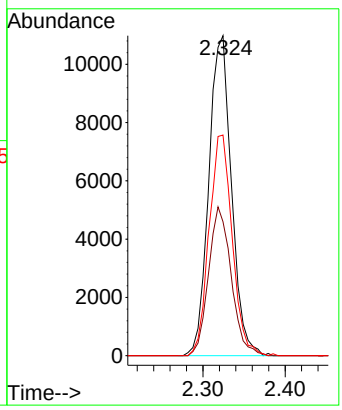




#9
1,1,2-Trichlorotrifluoroethane
Concen: 14.499 ug/l
RT: 2.324 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:101 Resp: 2102

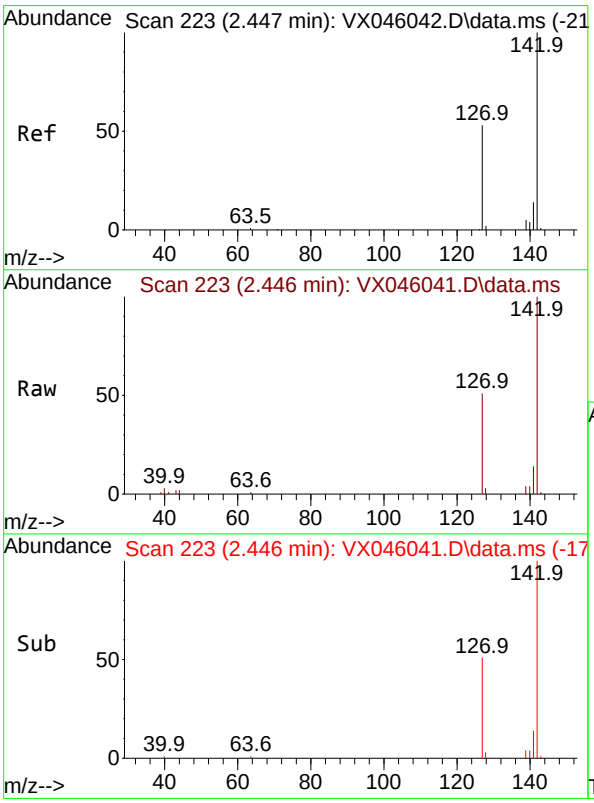
Ion	Ratio	Lower	Upper
101	100		
85	46.6	38.6	58.0
151	70.4	55.2	82.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

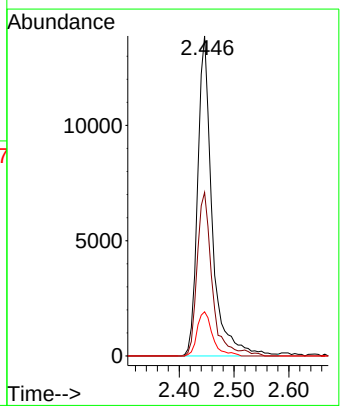
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

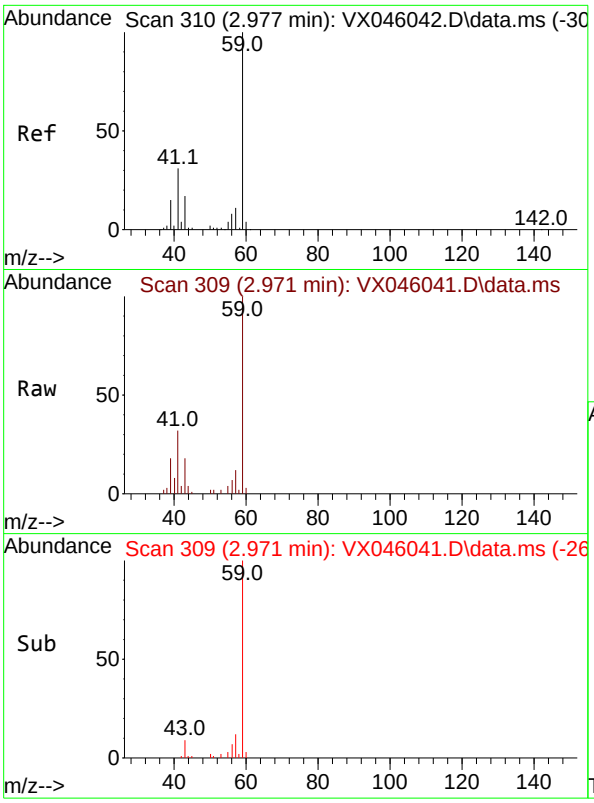


#10
Methyl Iodide
Concen: 15.070 ug/l
RT: 2.446 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:142 Resp: 25661

Ion	Ratio	Lower	Upper
142	100		
127	53.0	41.7	62.5
141	14.7	11.5	17.3





#11
Tert butyl alcohol
Concen: 68.662 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 59 Resp: 2037

Ion	Ratio	Lower	Upper
59	100		
57	11.7	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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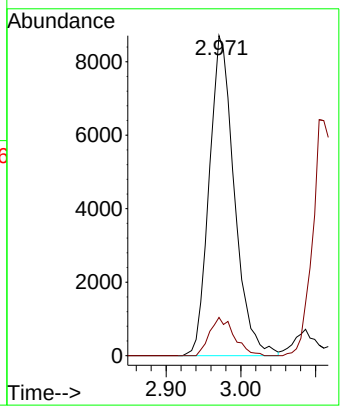
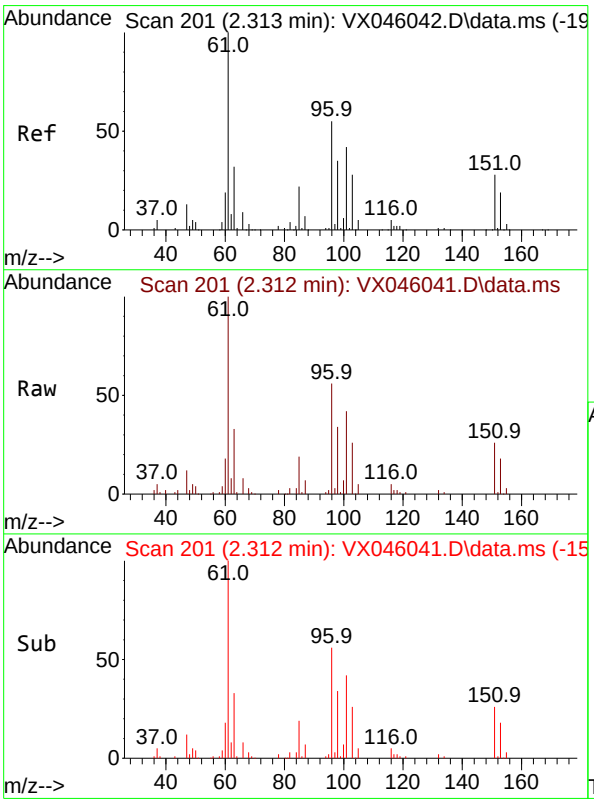
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

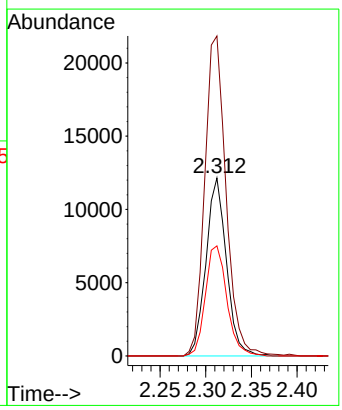


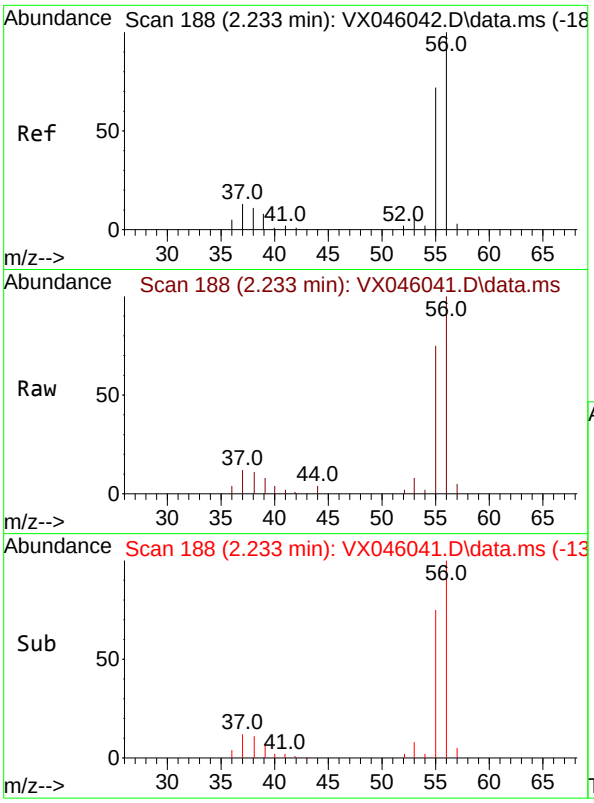


#12
1,1-Dichloroethene
Concen: 13.385 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 96 Resp: 18899

Ion	Ratio	Lower	Upper
96	100		
61	179.8	146.2	219.2
98	61.8	51.0	76.6

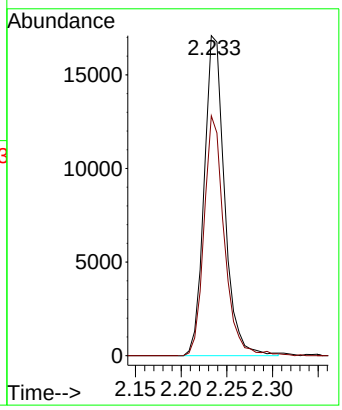




#13
Acrolein
Concen: 76.689 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 56 Resp: 2642

Ion	Ratio	Lower	Upper
56	100		
55	74.3	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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Reviewed By :John Carlone 05/06/2025
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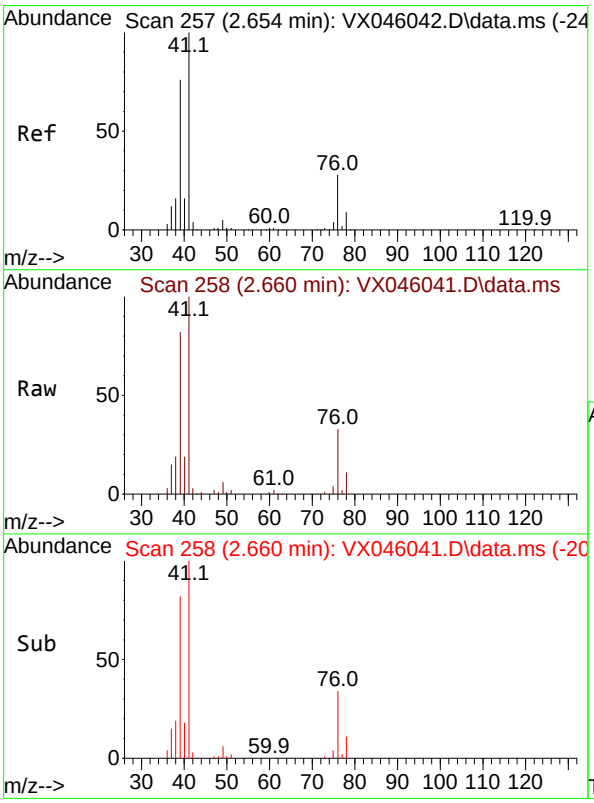
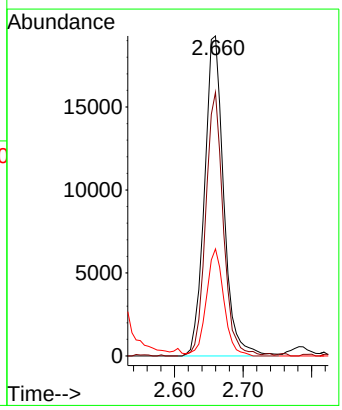
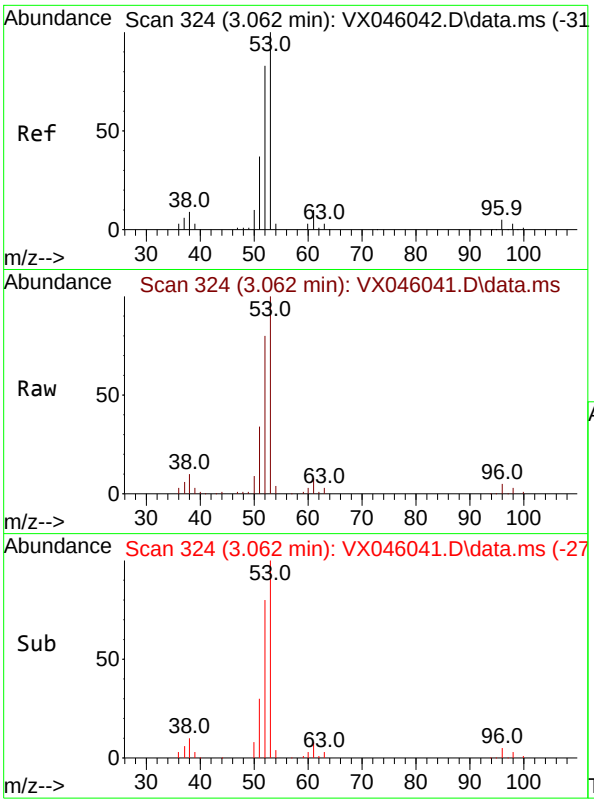


#14
Allyl chloride
Concen: 14.133 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 41 Resp: 37708

Ion	Ratio	Lower	Upper
41	100		
39	75.0	60.6	90.8
76	30.6	24.9	37.3

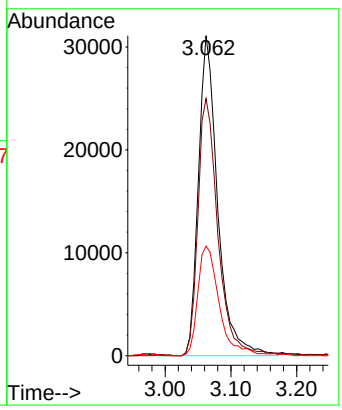




#15
Acrylonitrile
Concen: 71.312 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 53 Resp: 6329

Ion	Ratio	Lower	Upper
53	100		
52	83.5	65.3	97.9
51	38.4	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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Reviewed By :John Carlone 05/06/2025
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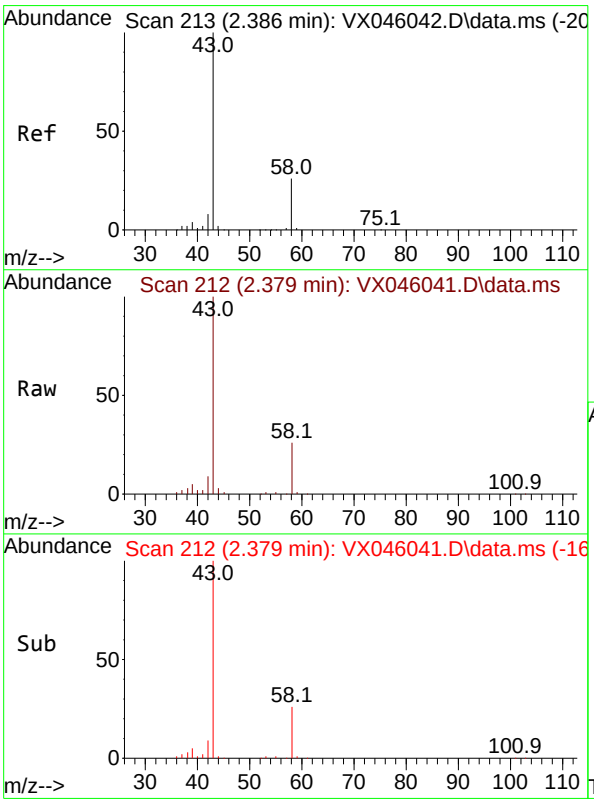
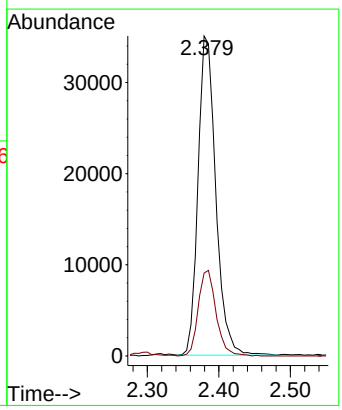
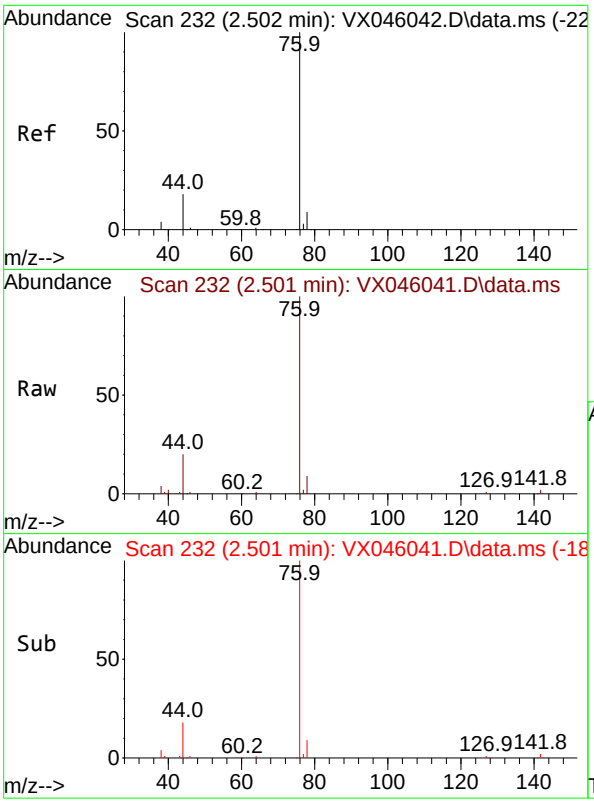


#16
Acetone
Concen: 70.884 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 60363

Ion	Ratio	Lower	Upper
43	100		
58	26.0	21.2	31.8





#17
Carbon Disulfide
Concen: 13.251 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 76 Resp: 4334

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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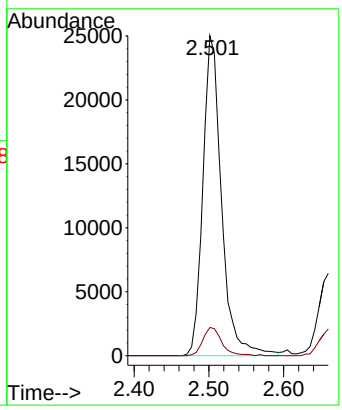
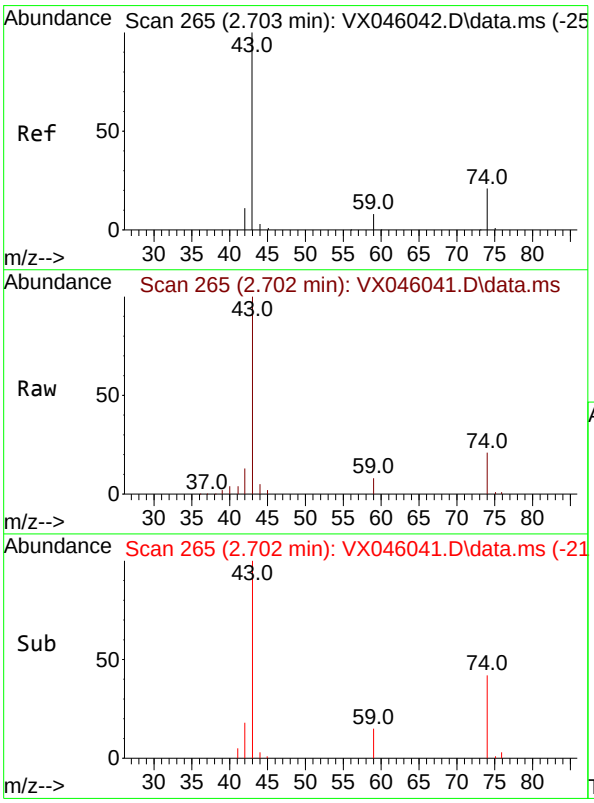
Supervised By :Mahesh Dadoda 05/06/2025

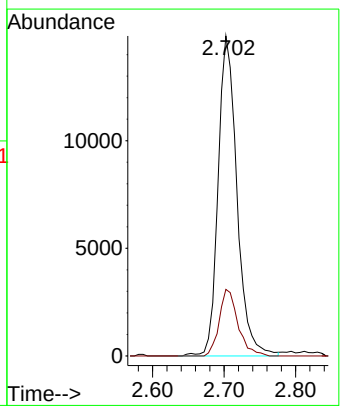


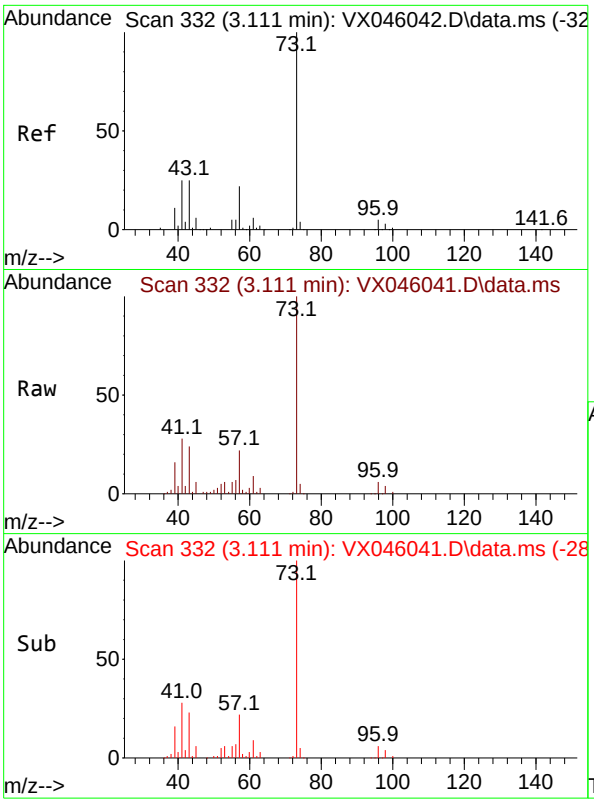


#18
Methyl Acetate
Concen: 13.397 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 27234

Ion	Ratio	Lower	Upper
43	100		
74	20.7	16.7	25.1





#19
Methyl tert-butyl Ether
Concen: 13.890 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 73 Resp: 6840

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.7	26.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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Reviewed By :John Carlone 05/06/2025
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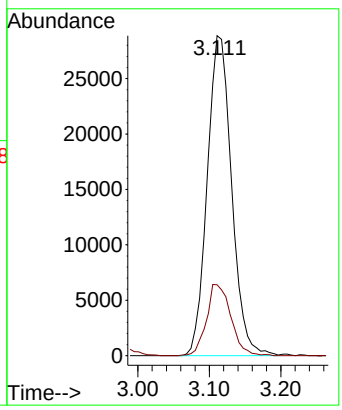
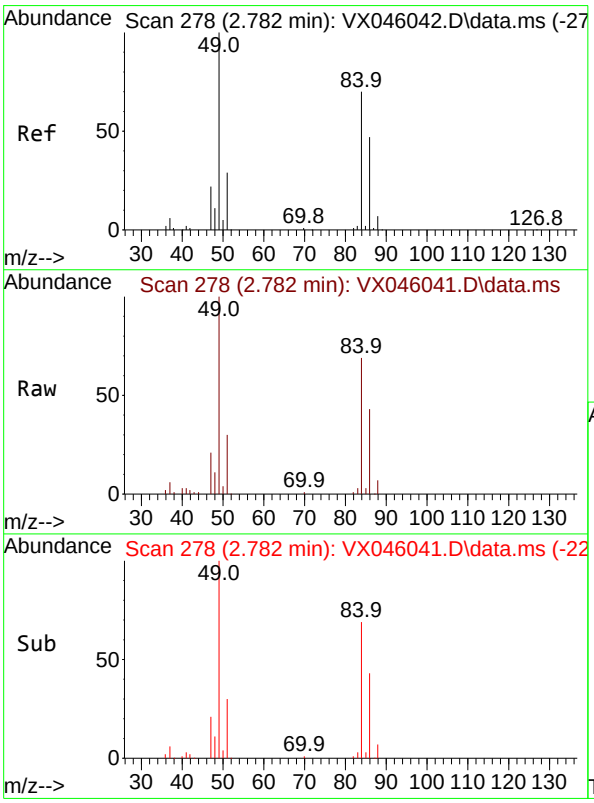
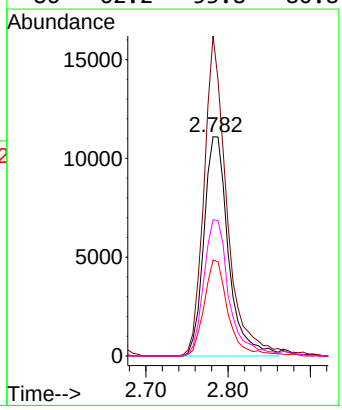


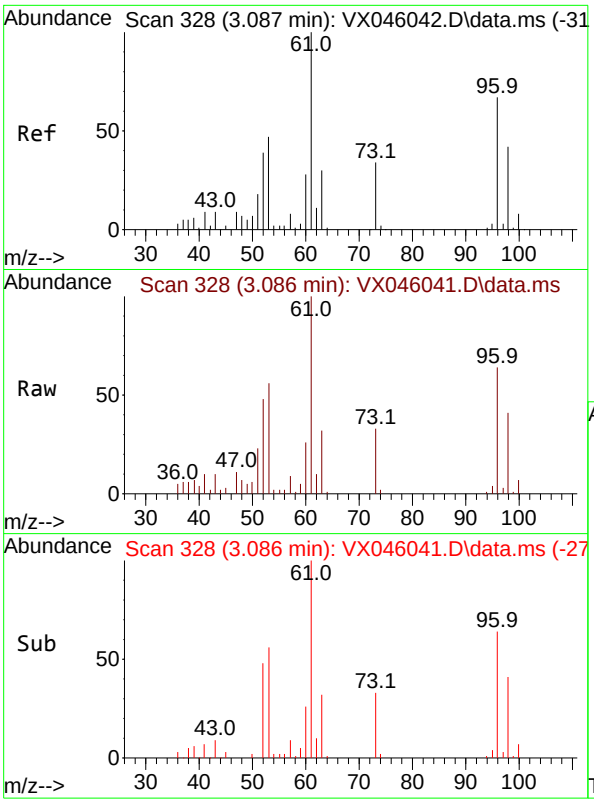


#20
Methylene Chloride
Concen: 13.362 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 84 Resp: 23050

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

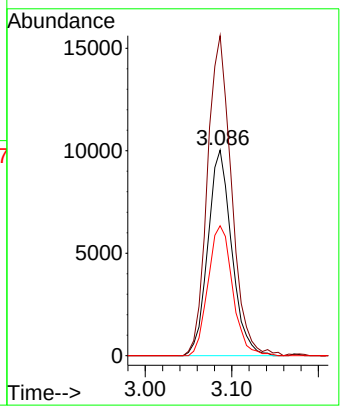




#21
trans-1,2-Dichloroethene
Concen: 13.294 ug/l
RT: 3.086 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 96 Resp: 1916

Ion	Ratio	Lower	Upper
96	100		
61	155.6	119.5	179.3
98	63.2	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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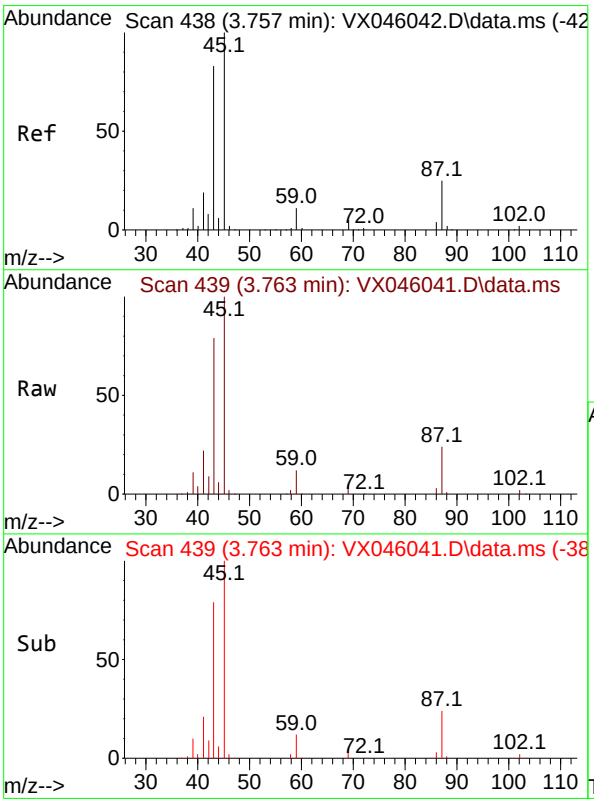
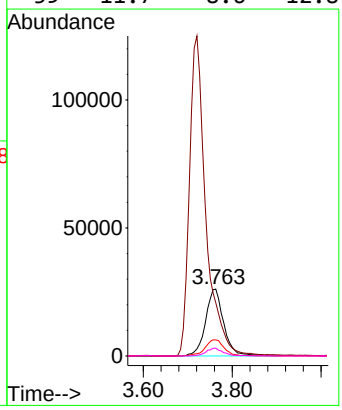
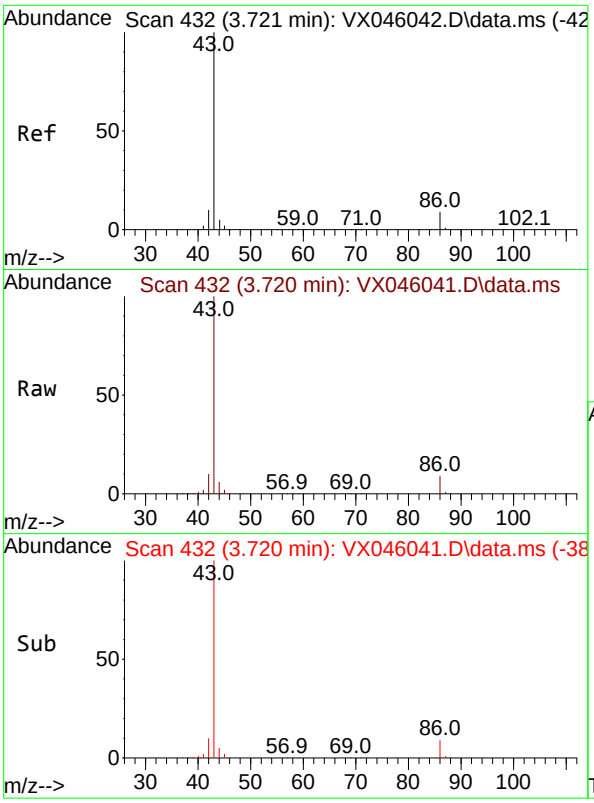


#22
Diisopropyl ether
Concen: 14.896 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 45 Resp: 74257

Ion	Ratio	Lower	Upper
45	100		
43	78.2	66.6	100.0
87	24.0	19.8	29.6
59	11.7	8.6	12.8





#23
Vinyl Acetate
Concen: 73.230 ug/l
RT: 3.720 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 32259

Ion	Ratio	Lower	Upper
43	100		
86	9.3	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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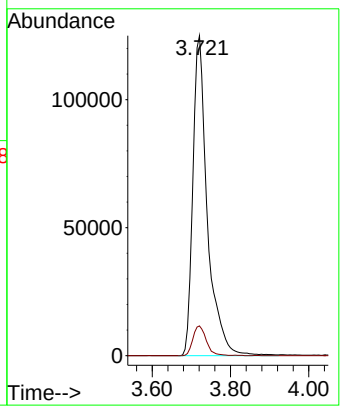
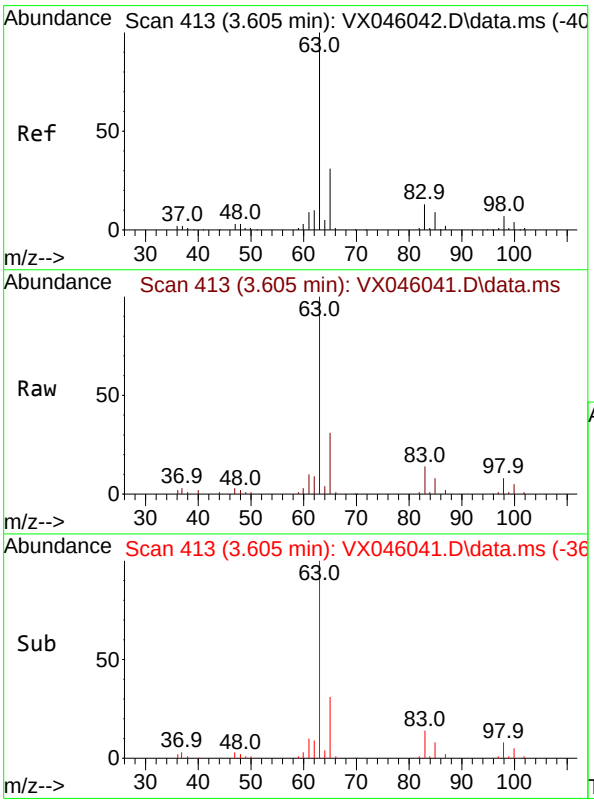
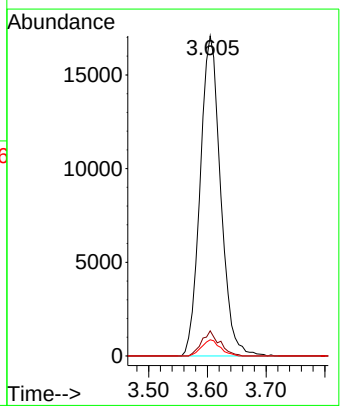


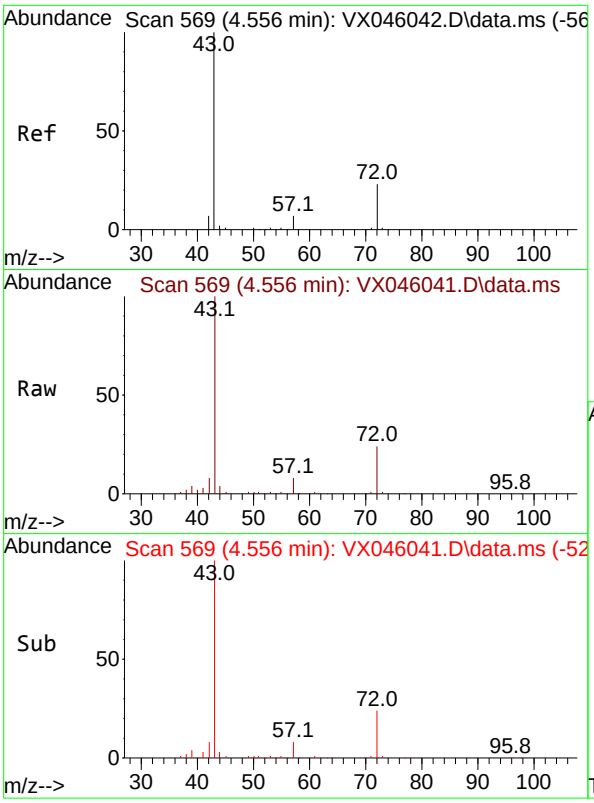


#24
1,1-Dichloroethane
Concen: 14.082 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 63 Resp: 41257

Ion	Ratio	Lower	Upper
63	100		
98	7.9	3.6	10.8
100	5.0	2.1	6.3





#25
2-Butanone
Concen: 73.489 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 9033

Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.4	27.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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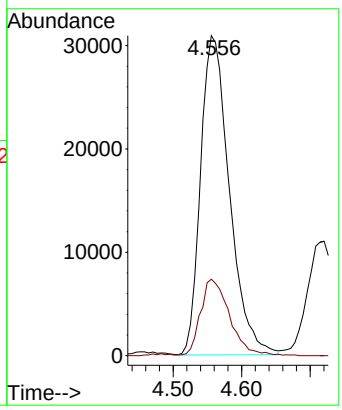
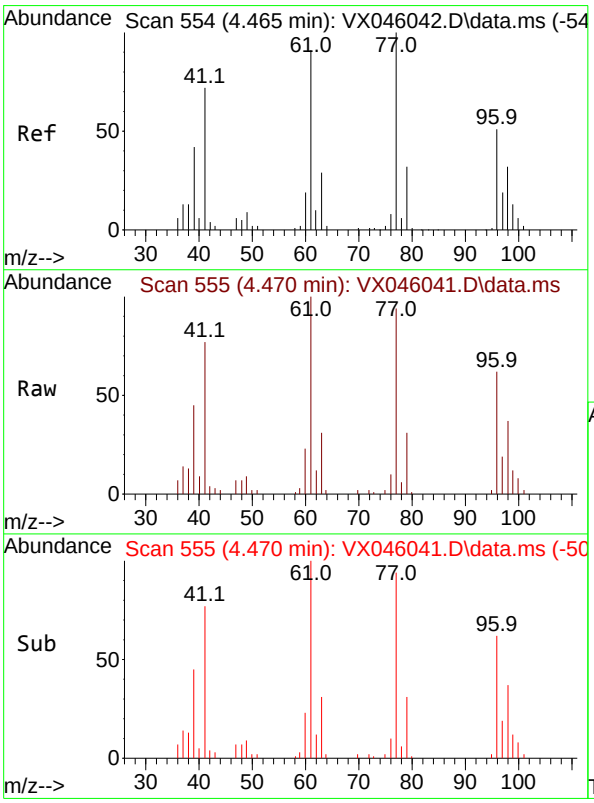
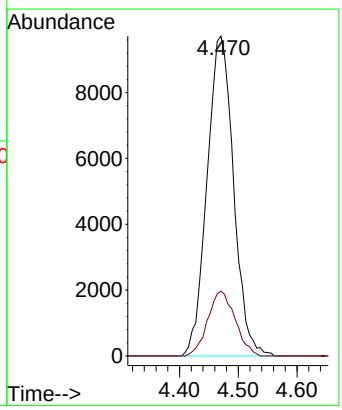


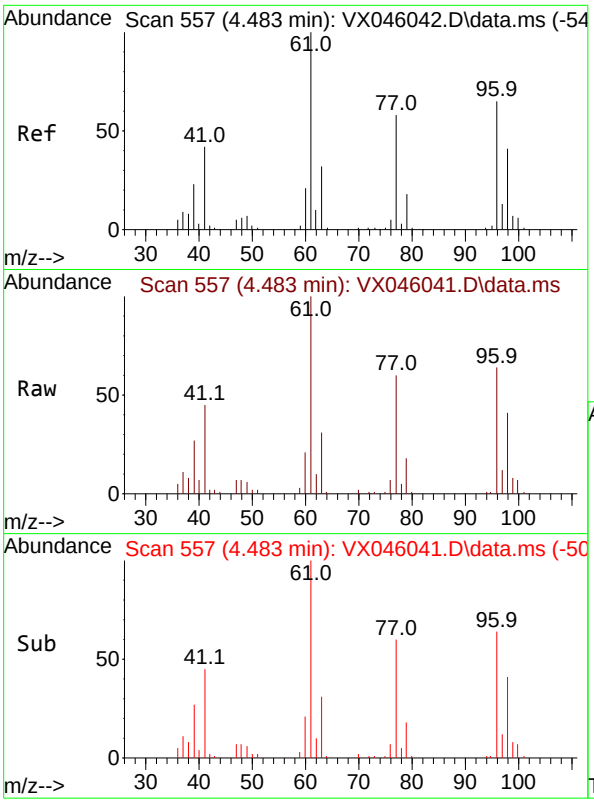


#26
2,2-Dichloropropane
Concen: 13.729 ug/l
RT: 4.470 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 77 Resp: 30472

Ion	Ratio	Lower	Upper
77	100		
97	20.9	10.5	31.5

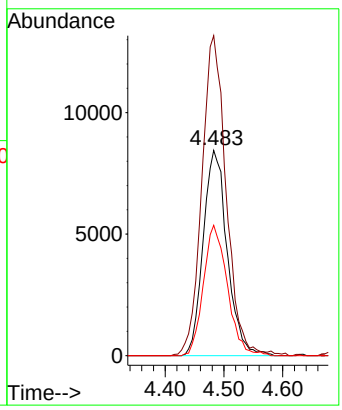




#27
cis-1,2-Dichloroethene
Concen: 13.791 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 96 Resp: 2397

Ion	Ratio	Lower	Upper
96	100		
61	158.3	0.0	322.8
98	63.5	0.0	129.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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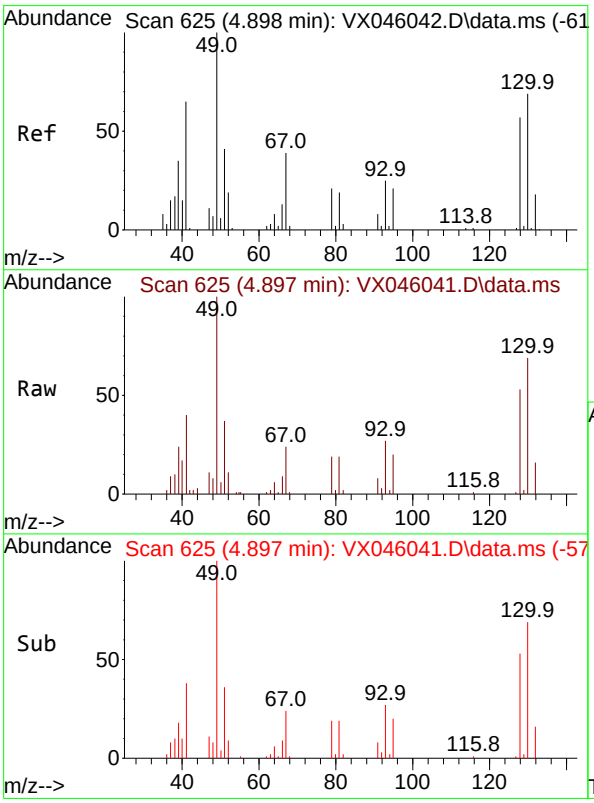
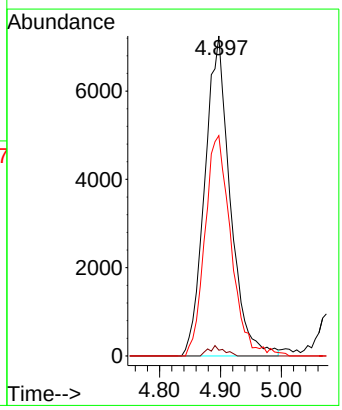
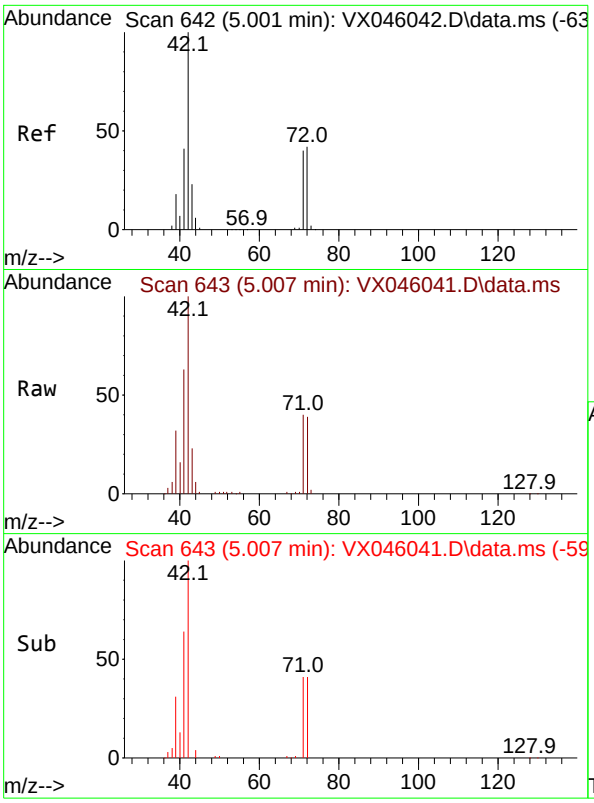


#28
Bromochloromethane
Concen: 13.497 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 49 Resp: 21028

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	70.9	56.2	84.2





#29
Tetrahydrofuran
Concen: 71.175 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 42 Resp: 5681

Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.7	50.5
71	39.2	31.4	47.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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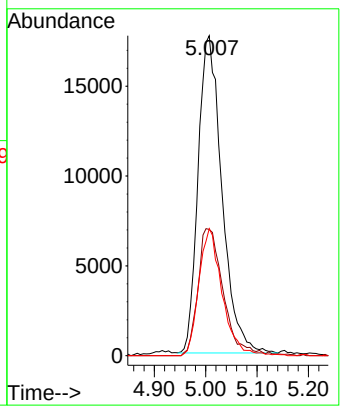
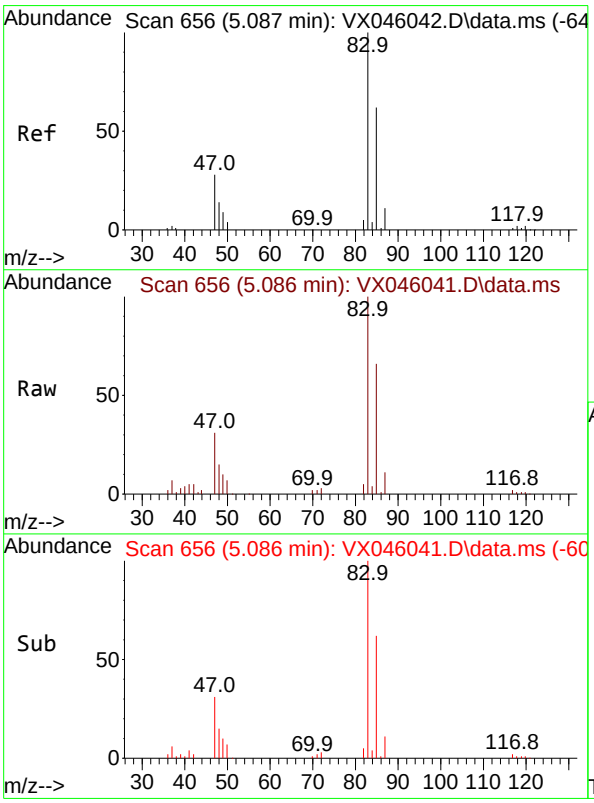
Supervised By :Mahesh Dadoda 05/06/2025

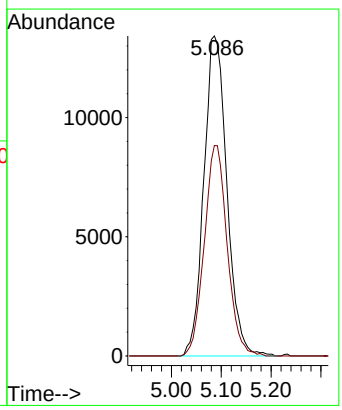


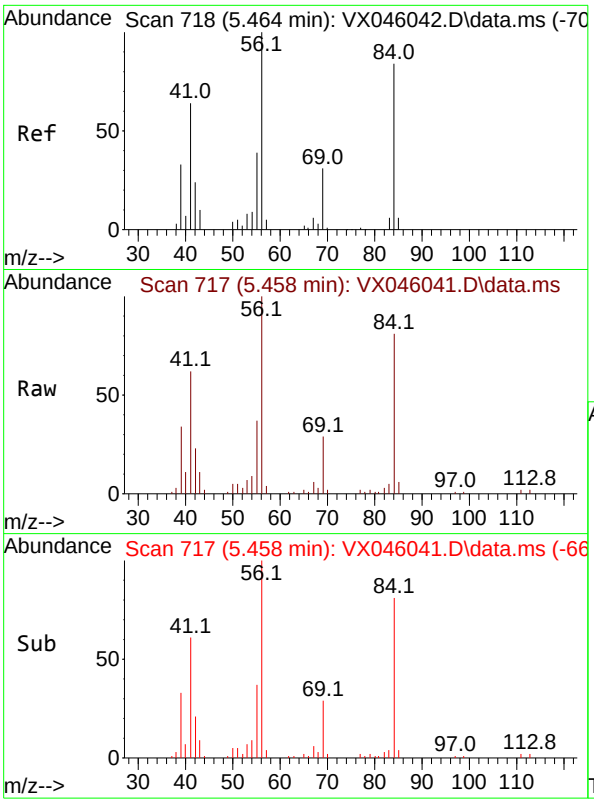


#30
Chloroform
Concen: 14.144 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 83 Resp: 43065

Ion	Ratio	Lower	Upper
83	100		
85	65.7	49.3	73.9

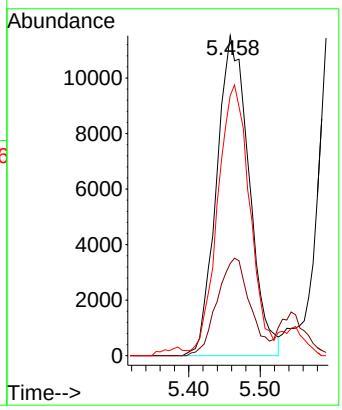




#31
Cyclohexane
Concen: 14.769 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 56 Resp: 3647

Ion	Ratio	Lower	Upper
56	100		
69	28.8	24.4	36.6
84	78.5	66.9	100.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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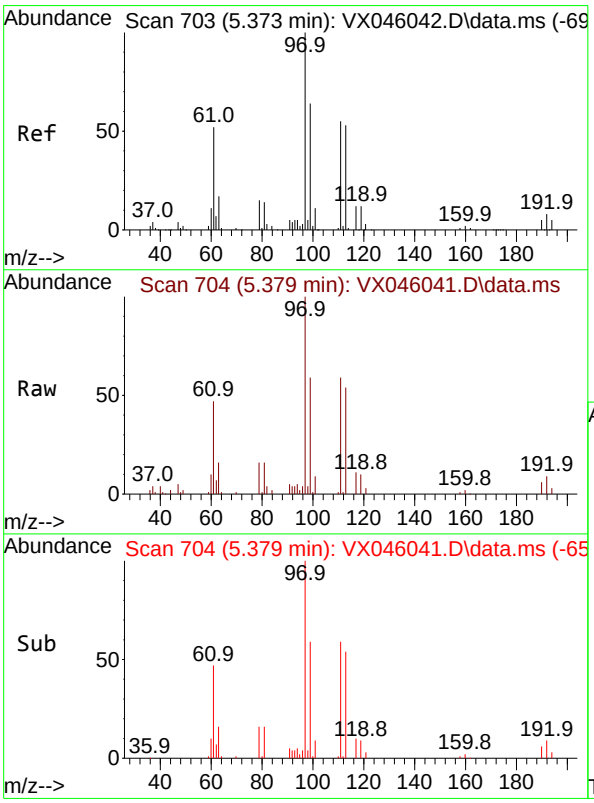
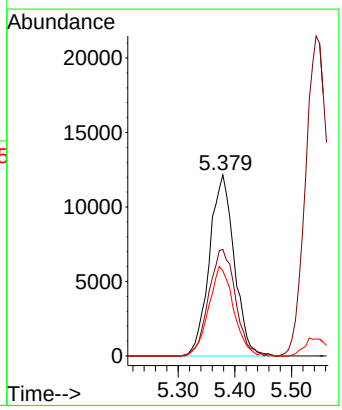
Supervised By :Mahesh Dadoda 05/06/2025

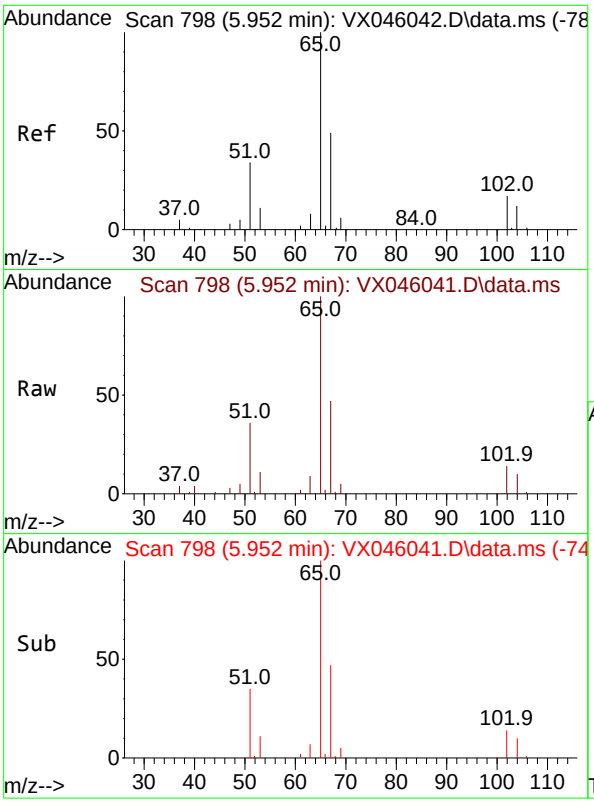


#32
1,1,1-Trichloroethane
Concen: 14.092 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 97 Resp: 37003

Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.8	77.6
61	49.5	40.1	60.1

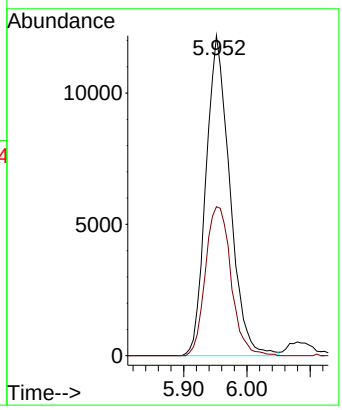




#33
1,2-Dichloroethane-d4
Concen: 12.820 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 65 Resp: 3190

Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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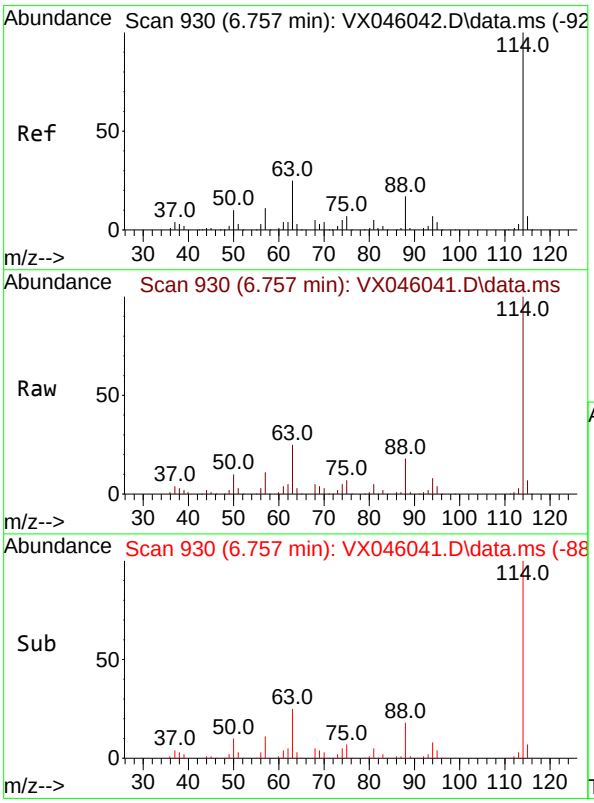
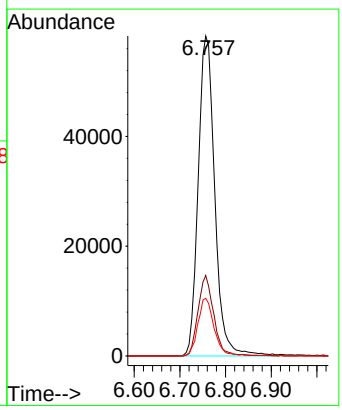
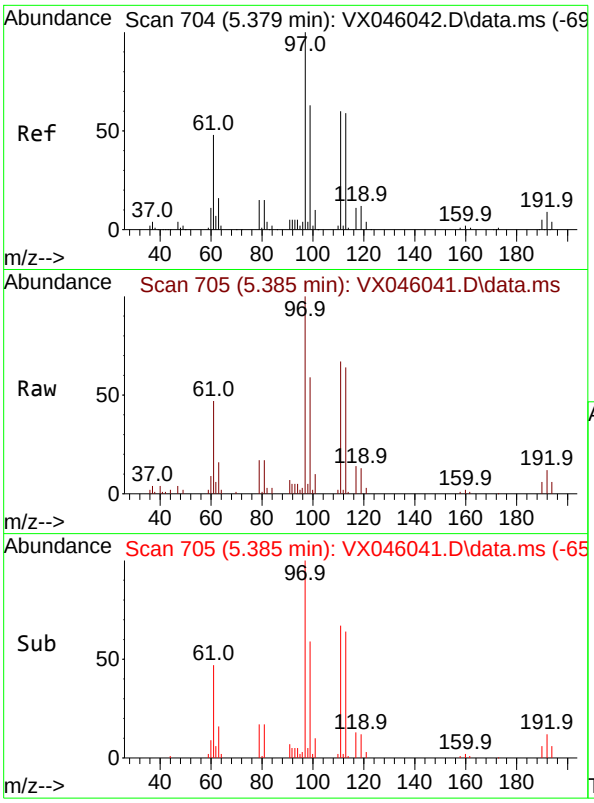


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:114 Resp: 147096

Ion	Ratio	Lower	Upper
114	100		
63	25.2	0.0	49.2
88	18.0	0.0	33.6

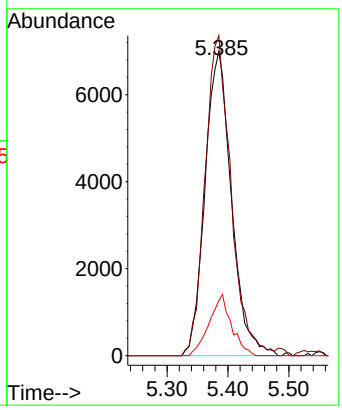




#35
Dibromofluoromethane
Concen: 12.804 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:113 Resp: 2111

Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.1	124.7
192	17.0	13.3	19.9



Instrument :
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ClientSampleId :
VSTDICC020

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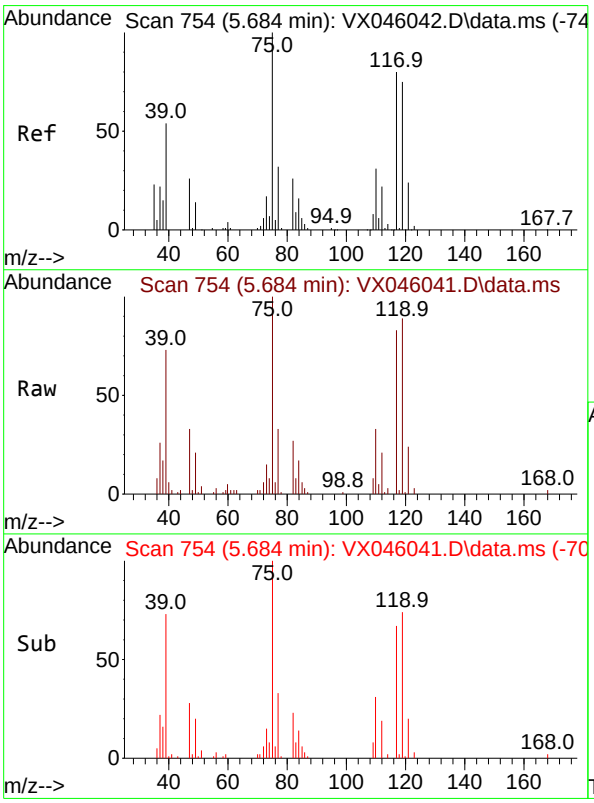
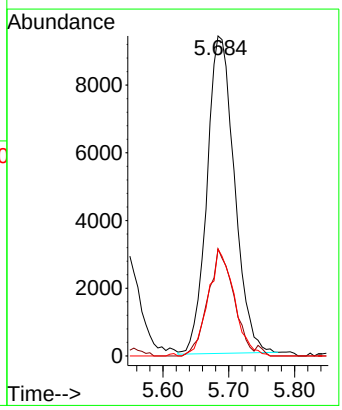
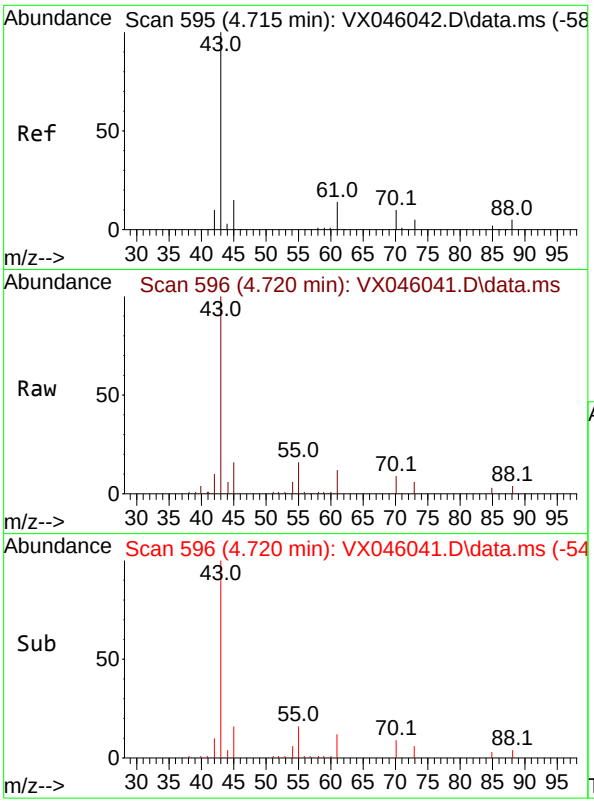


#36
1,1-Dichloropropene
Concen: 14.231 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 75 Resp: 27242

Ion	Ratio	Lower	Upper
75	100		
110	31.6	16.3	48.9
77	31.9	24.3	36.5





#37
Ethyl Acetate
Concen: 13.931 ug/l
RT: 4.720 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 3345

Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.3	15.5
70	10.9	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
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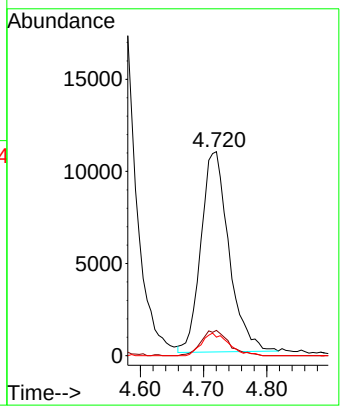
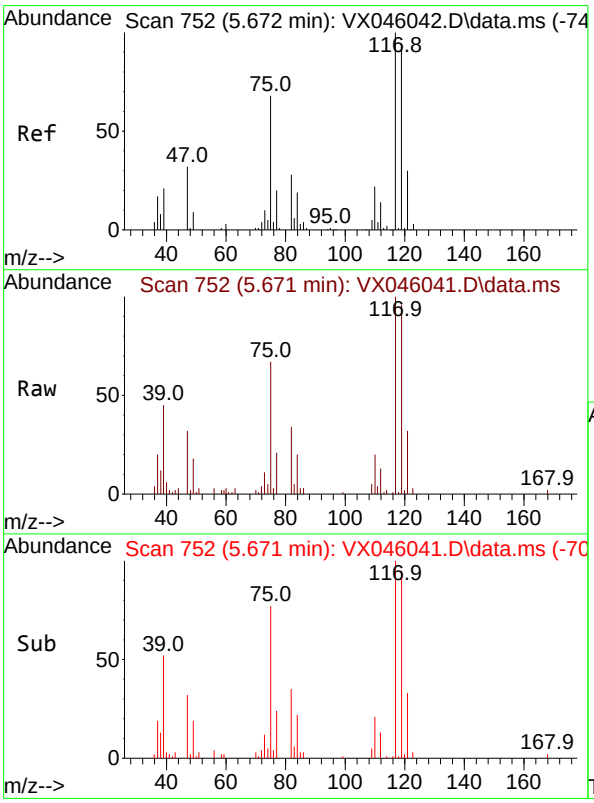
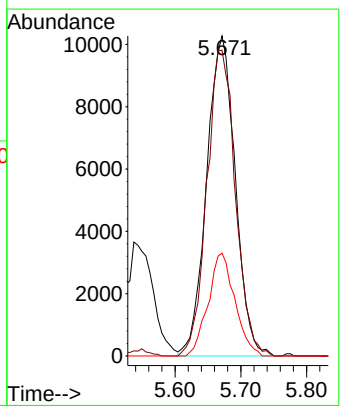


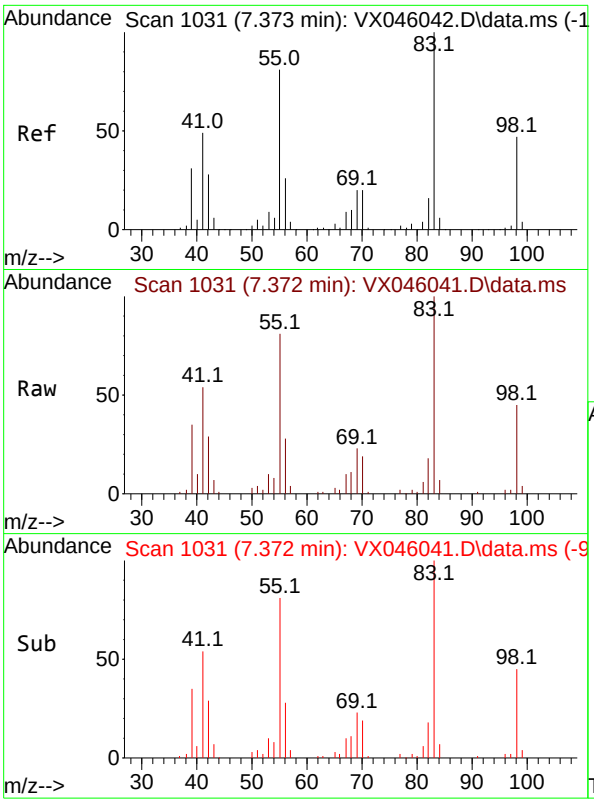


#38
Carbon Tetrachloride
Concen: 14.137 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:117 Resp: 31091

Ion	Ratio	Lower	Upper
117	100		
119	95.6	75.2	112.8
121	32.1	24.2	36.4

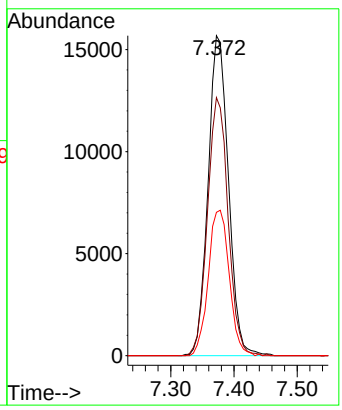




#39
Methylcyclohexane
Concen: 14.623 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 83 Resp: 3507

Ion	Ratio	Lower	Upper
83	100		
55	80.7	64.7	97.1
98	44.8	37.4	56.2



Instrument :
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ClientSampleId :
VSTDICC020

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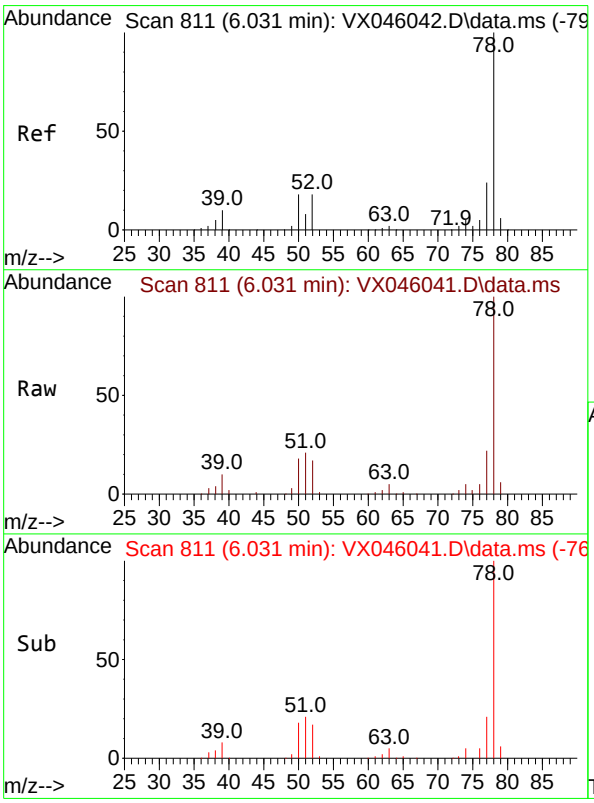
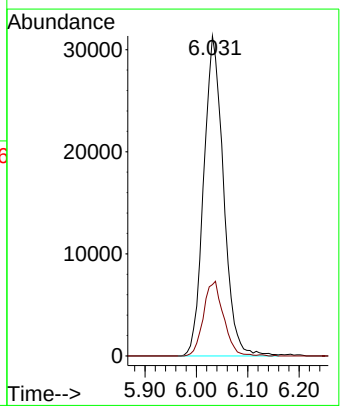
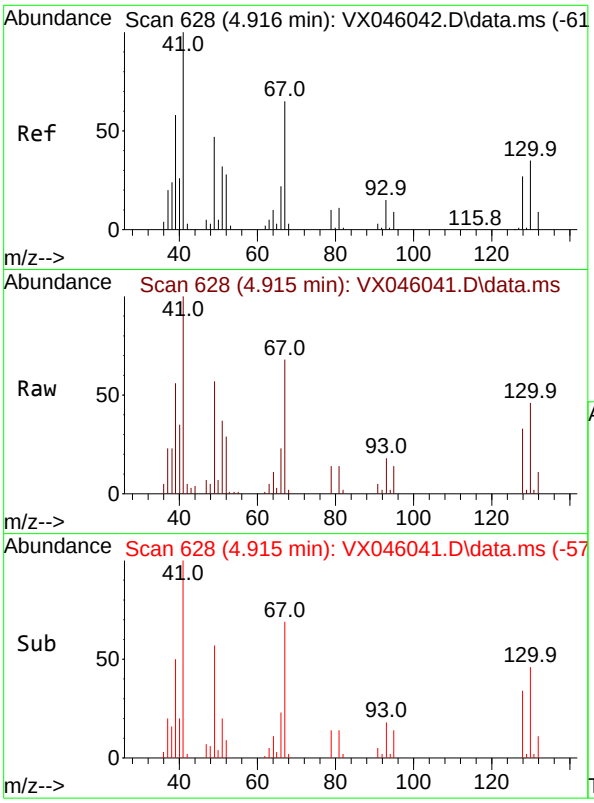


#40
Benzene
Concen: 14.140 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 78 Resp: 83898

Ion	Ratio	Lower	Upper
78	100		
77	22.3	19.0	28.4

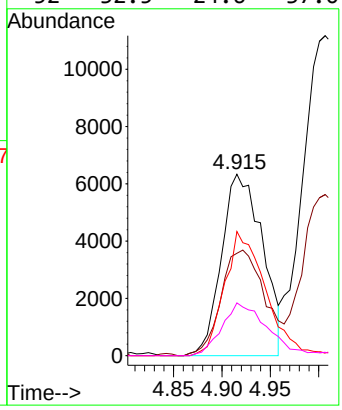




#41
Methacrylonitrile
Concen: 14.038 ug/l
RT: 4.915 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 41 Resp: 1873

Ion	Ratio	Lower	Upper
41	100		
39	62.6	47.2	70.8
67	68.3	50.7	76.1
52	32.5	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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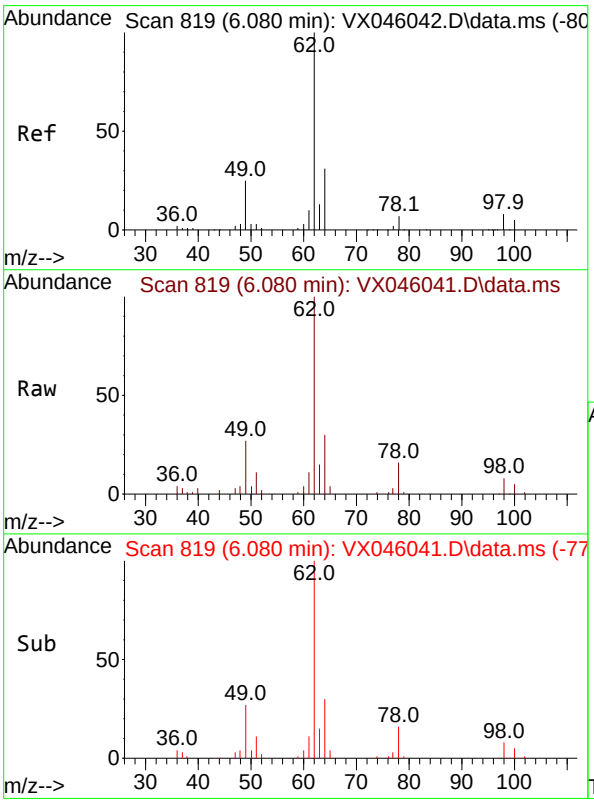
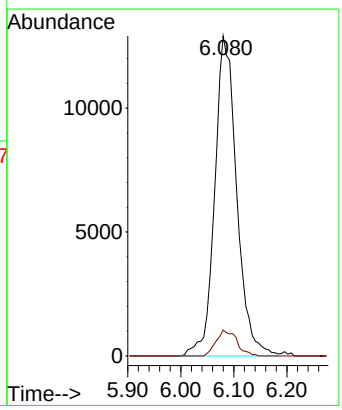
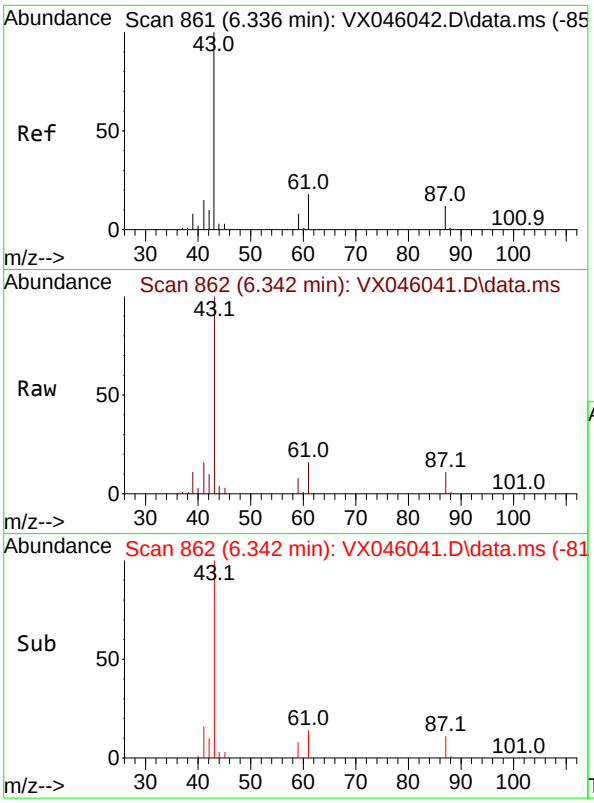


#42
1,2-Dichloroethane
Concen: 15.165 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 62 Resp: 37203

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.2





#43
Isopropyl Acetate
Concen: 14.512 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 5327

Ion	Ratio	Lower	Upper
43	100		
61	17.3	14.3	21.5
87	11.6	9.5	14.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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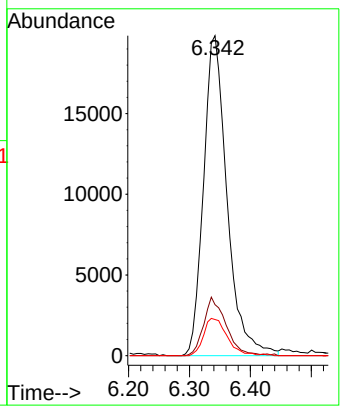
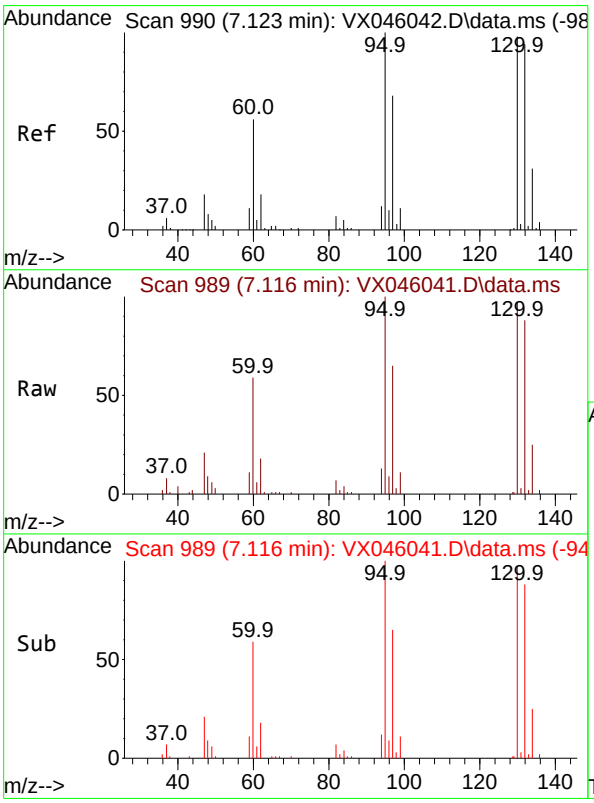
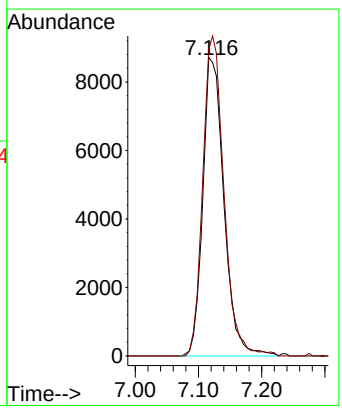


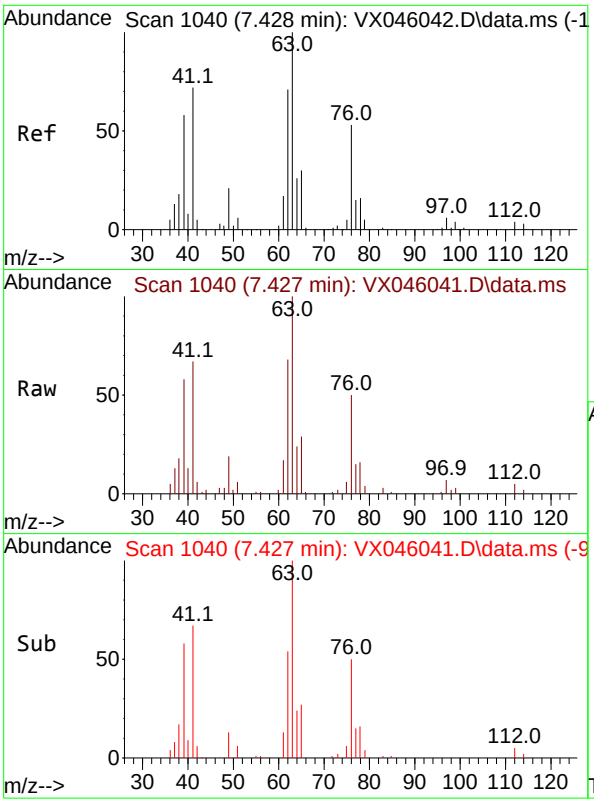


#44
Trichloroethene
Concen: 14.429 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:130 Resp: 20239

Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	204.2





#45
1,2-Dichloropropane
Concen: 14.204 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 63 Resp: 2094

Ion	Ratio	Lower	Upper
63	100		
65	29.1	24.1	36.1

Instrument :
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ClientSampleId :
VSTDICC020

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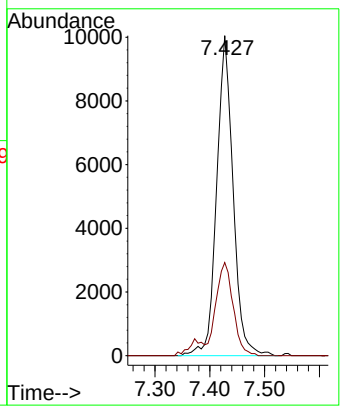
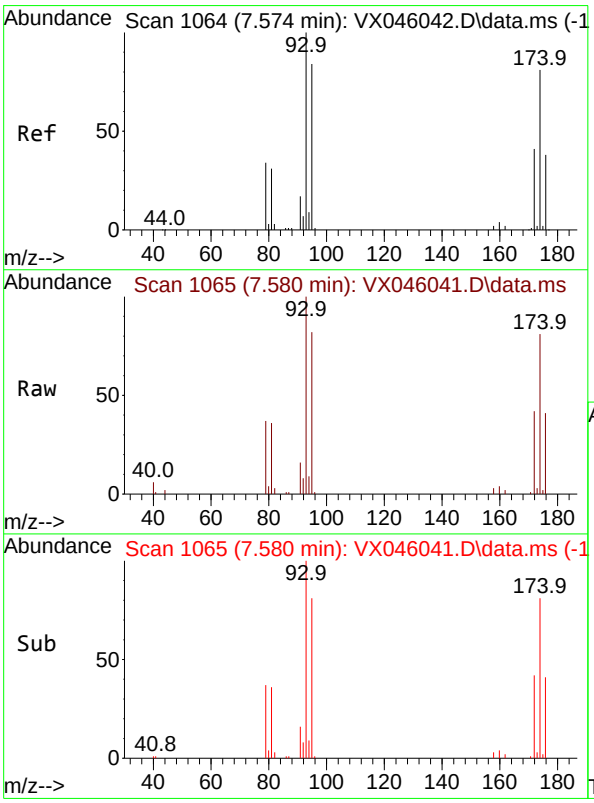
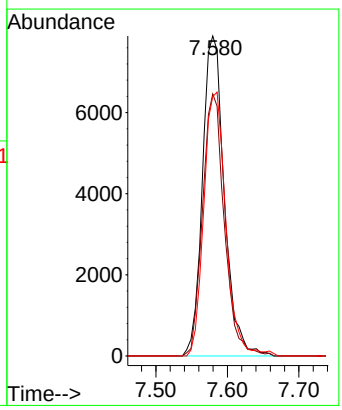


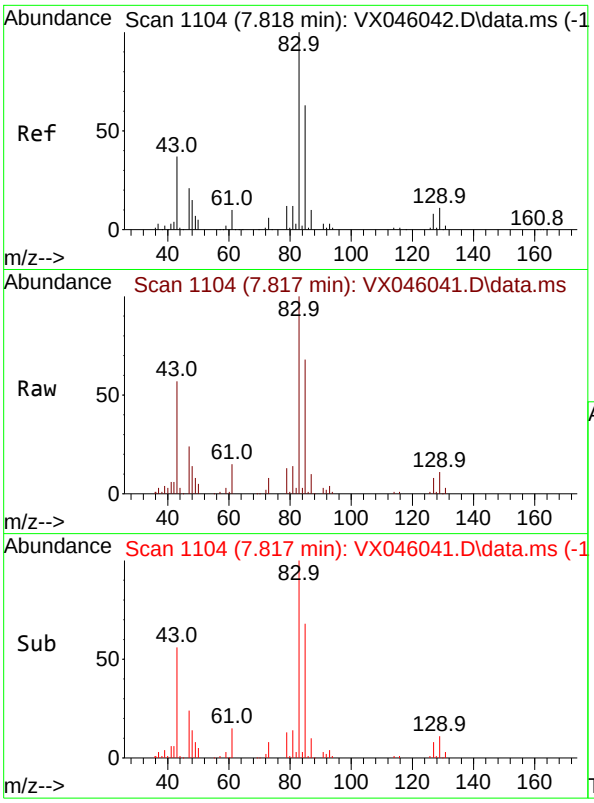


#46
Dibromomethane
Concen: 14.439 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 93 Resp: 16781

Ion	Ratio	Lower	Upper
93	100		
95	81.5	65.6	98.4
174	83.1	68.2	102.2

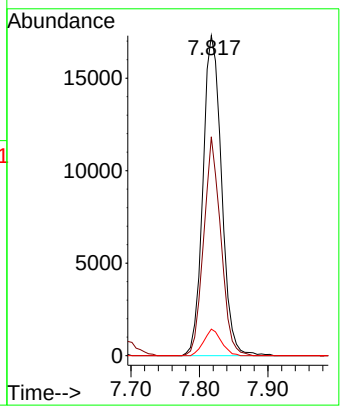




#47
Bromodichloromethane
Concen: 14.545 ug/l
RT: 7.817 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 83 Resp: 3276

Ion	Ratio	Lower	Upper
83	100		
85	68.4	50.5	75.7
127	8.3	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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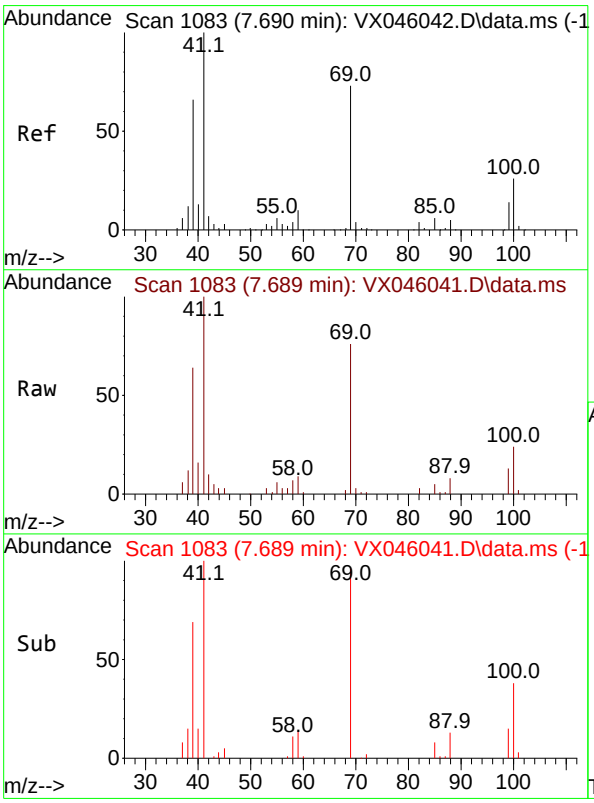
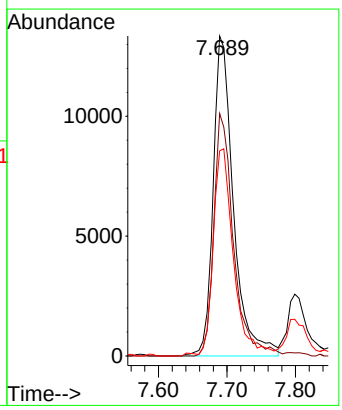
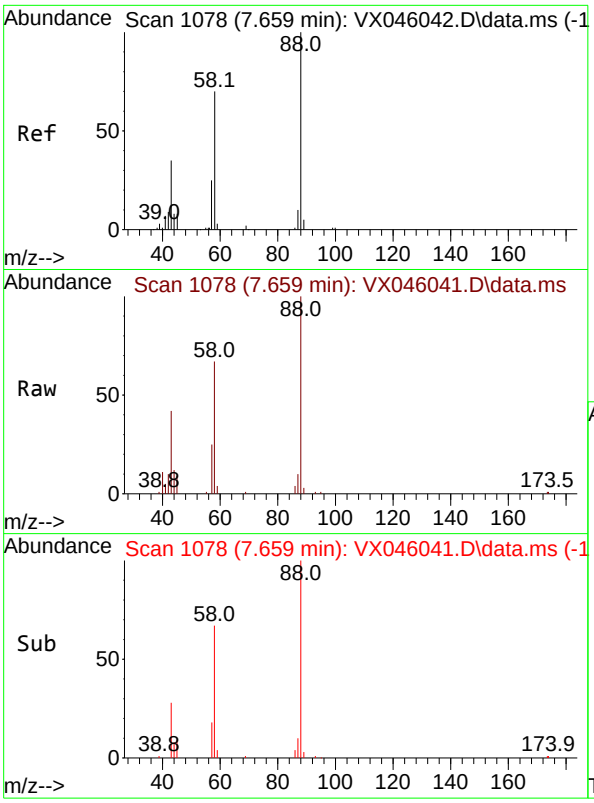


#48
Methyl methacrylate
Concen: 14.521 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 41 Resp: 27374

Ion	Ratio	Lower	Upper
41	100		
69	73.5	58.5	87.7
39	64.9	51.7	77.5

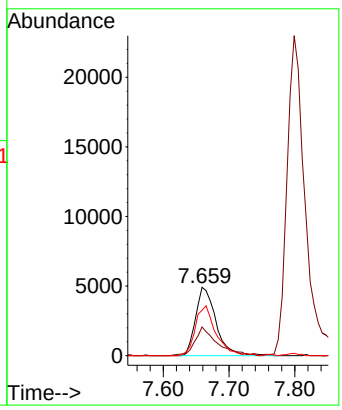




#49
1,4-Dioxane
Concen: 282.442 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 88 Resp: 1058

Ion	Ratio	Lower	Upper
88	100		
43	45.5	33.4	50.2
58	73.6	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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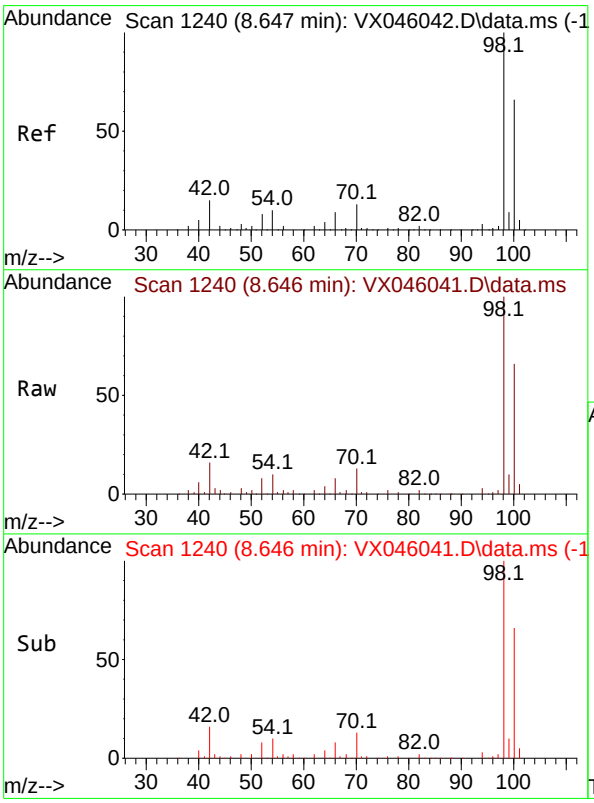
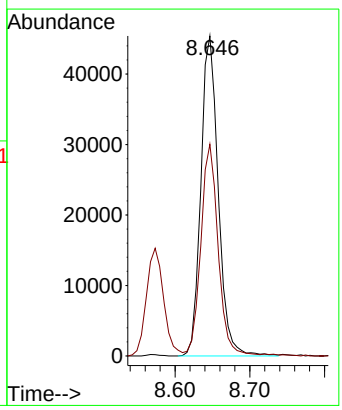
Supervised By :Mahesh Dadoda 05/06/2025

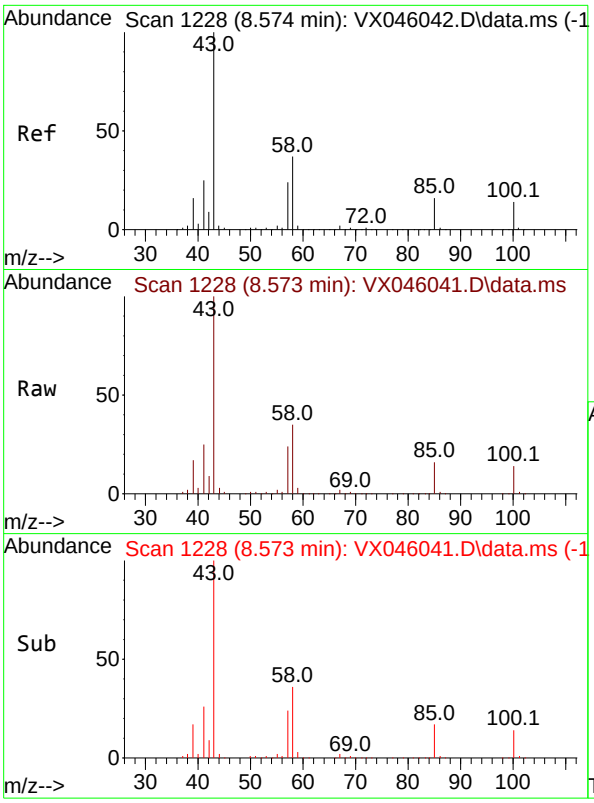


#50
Toluene-d8
Concen: 13.200 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 98 Resp: 73333

Ion	Ratio	Lower	Upper
98	100		
100	64.8	53.5	80.3





#51
4-Methyl-2-Pentanone
Concen: 75.775 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 18245

Ion	Ratio	Lower	Upper
43	100		
58	34.8	28.9	43.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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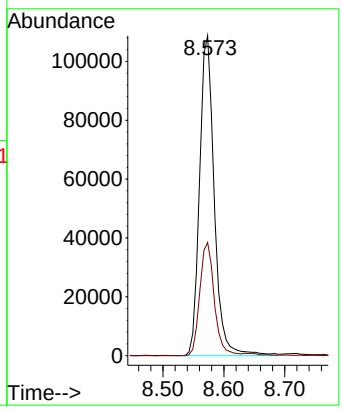
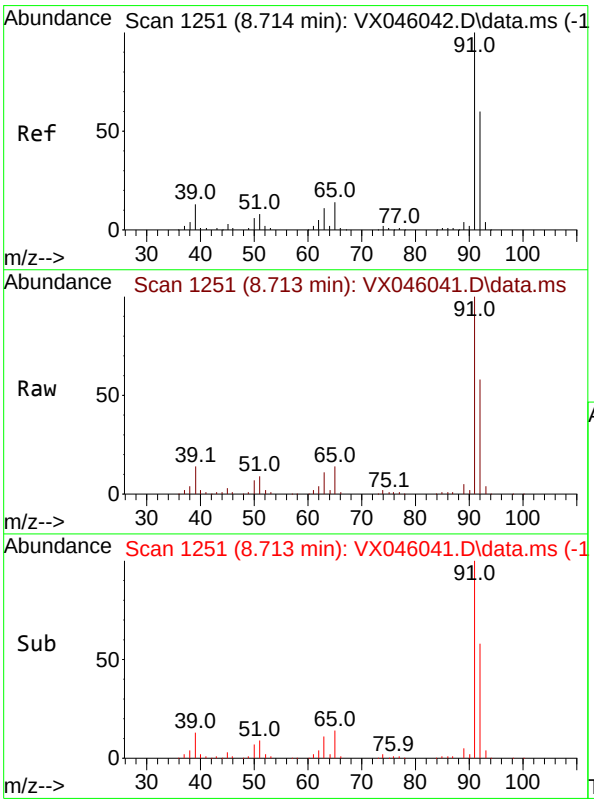
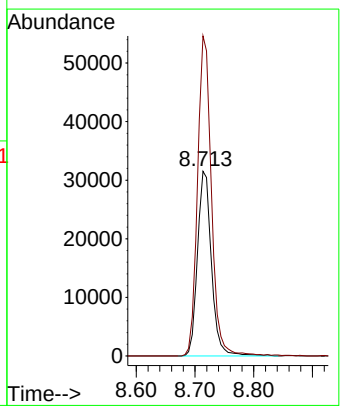


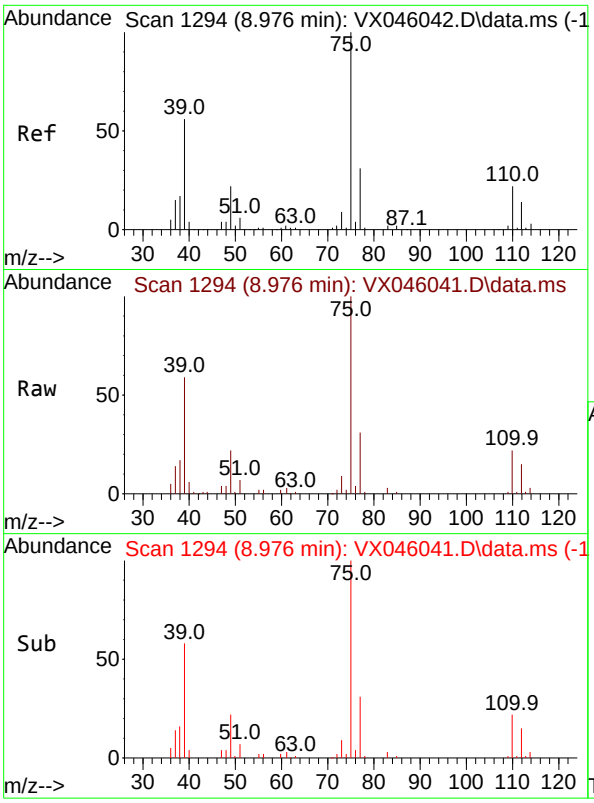


#52
Toluene
Concen: 14.788 ug/l
RT: 8.713 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 92 Resp: 52030

Ion	Ratio	Lower	Upper
92	100		
91	172.2	136.6	205.0

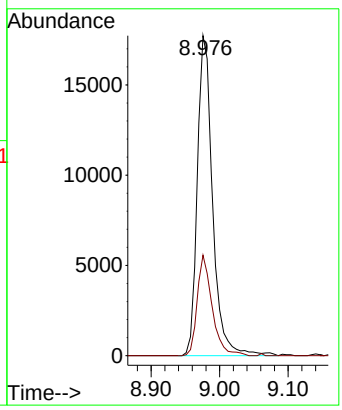




#53
t-1,3-Dichloropropene
Concen: 14.566 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 75 Resp: 2754

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.6



Instrument :
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ClientSampleId :
VSTDICC020

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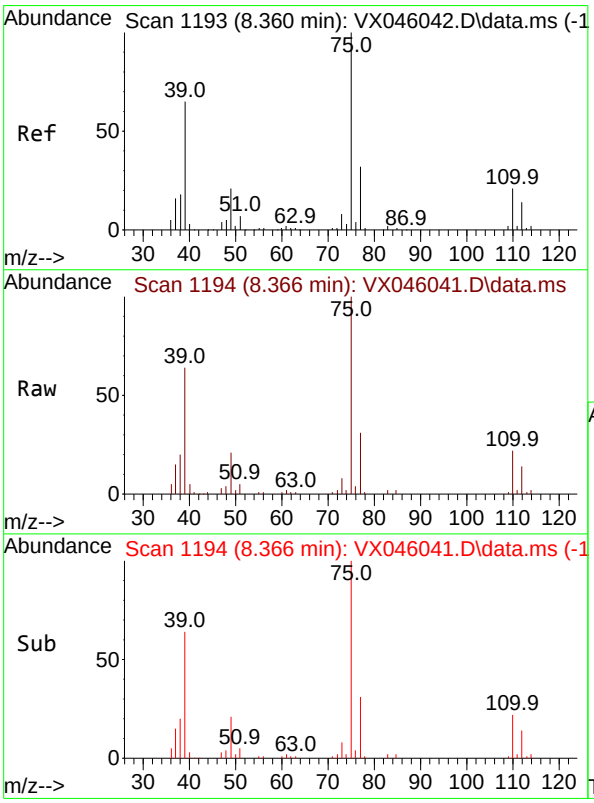
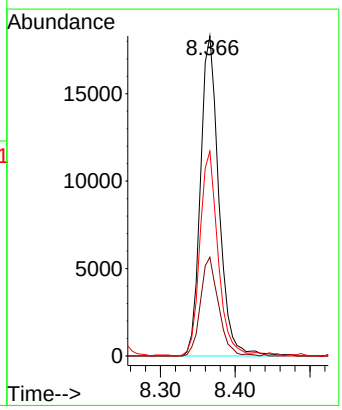
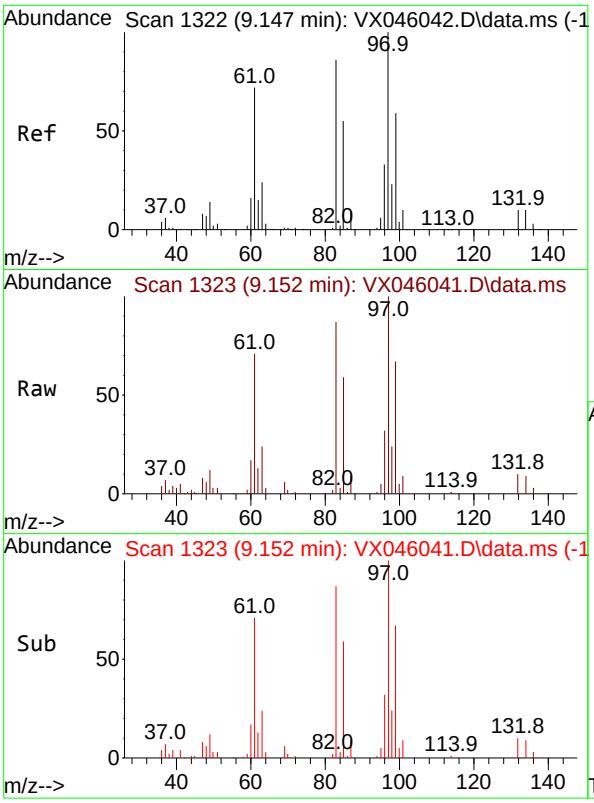


#54
cis-1,3-Dichloropropene
Concen: 14.154 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 75 Resp: 31226

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.4	38.0
39	64.0	52.2	78.4

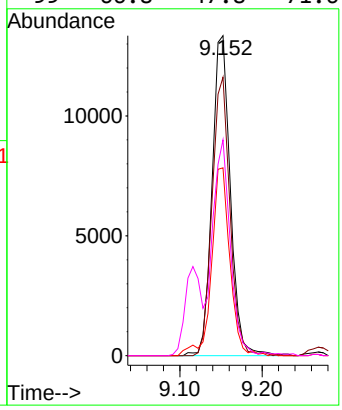




#55
1,1,2-Trichloroethane
Concen: 14.442 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 97 Resp: 2053

Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.0	103.6
85	58.7	44.3	66.5
99	66.8	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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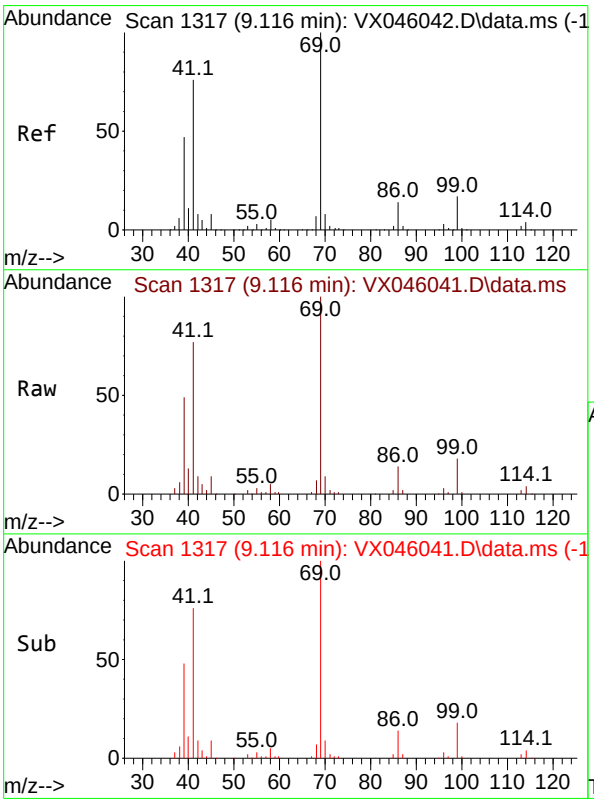
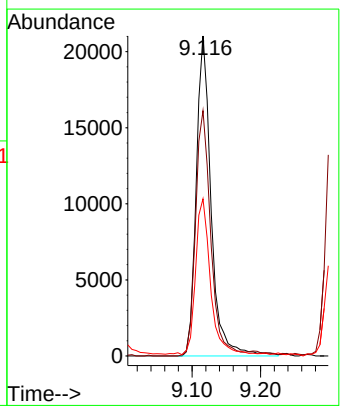
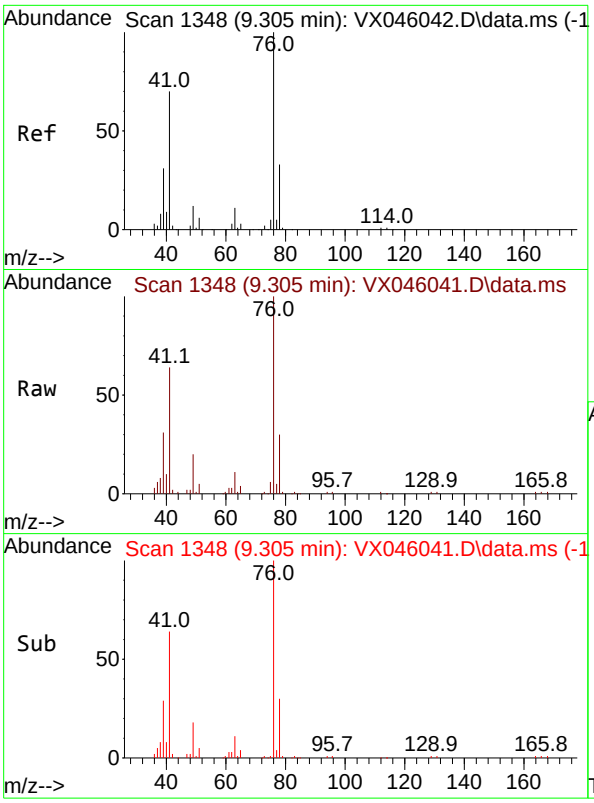


#56
Ethyl methacrylate
Concen: 14.425 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 69 Resp: 31787

Ion	Ratio	Lower	Upper
69	100		
41	78.2	60.8	91.2
39	49.3	39.0	58.6

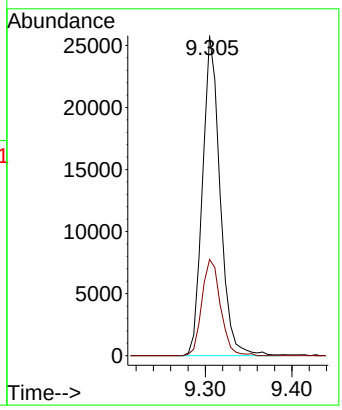




#57
1,3-Dichloropropane
Concen: 14.417 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 76 Resp: 3634

Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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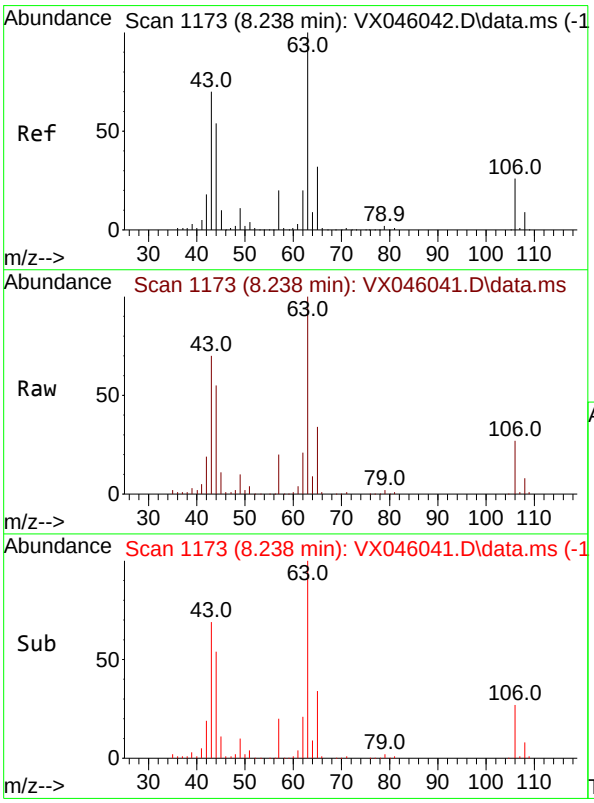
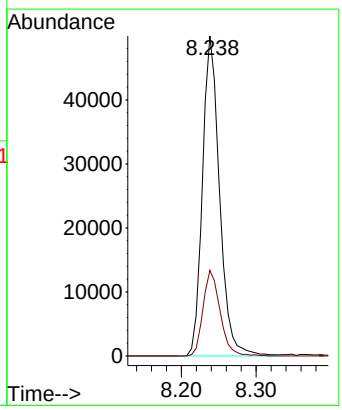
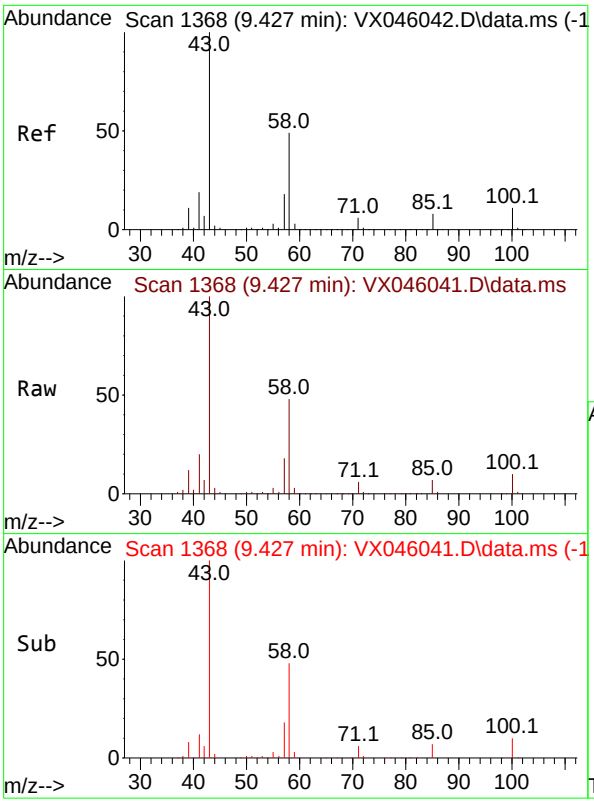


#58
2-Chloroethyl Vinyl ether
Concen: 80.312 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 63 Resp: 79531

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.5	32.3





#59
2-Hexanone
Concen: 74.997 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 13705

Ion	Ratio	Lower	Upper
43	100		
58	48.7	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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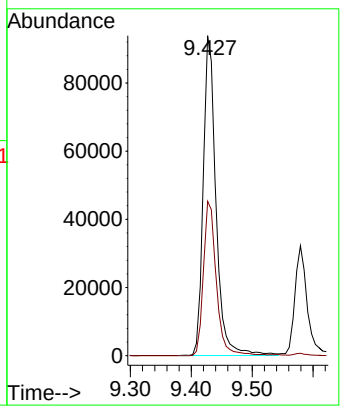
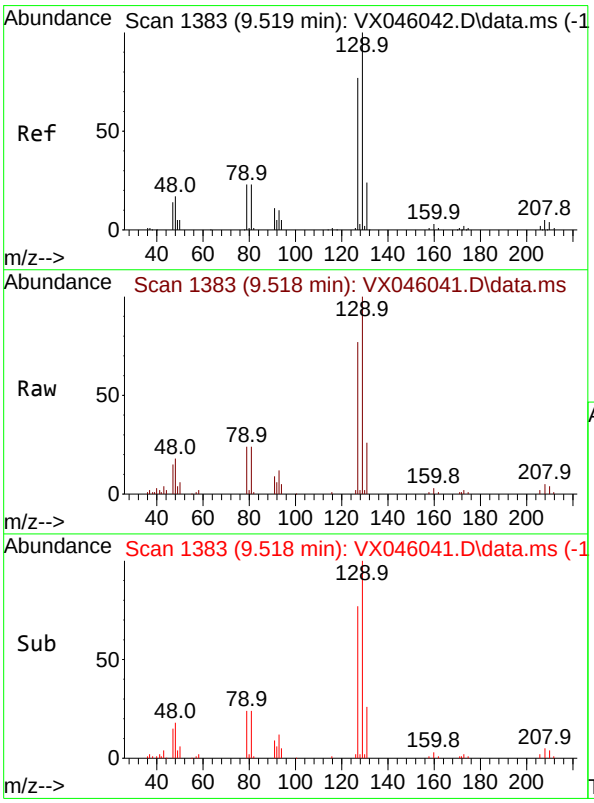
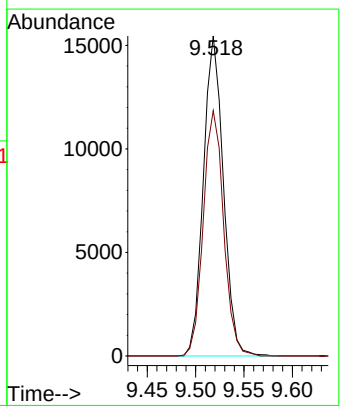


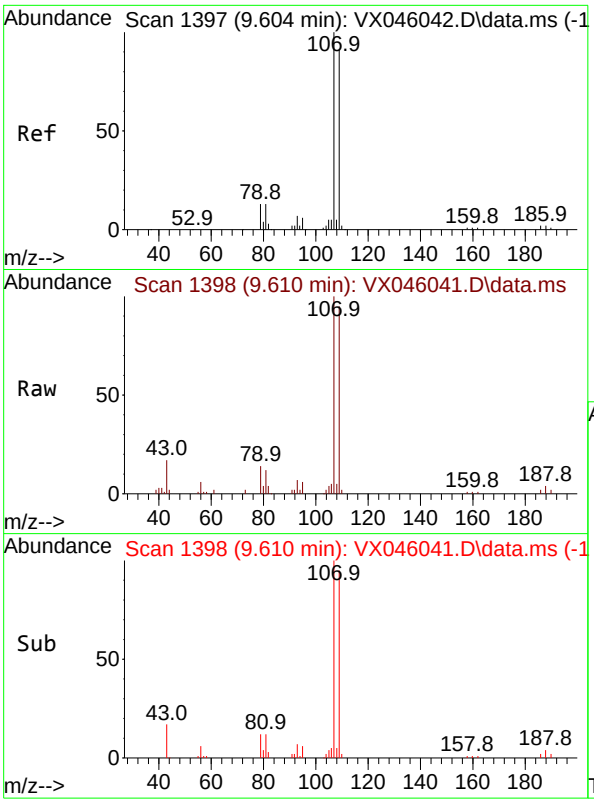


#60
Dibromochloromethane
Concen: 14.387 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:129 Resp: 22267

Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.3	117.8

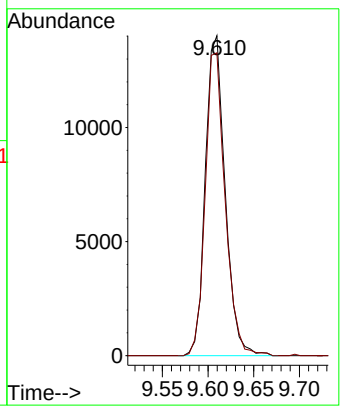




#61
1,2-Dibromoethane
Concen: 14.458 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:107 Resp: 2111

Ion	Ratio	Lower	Upper
107	100		
109	95.3	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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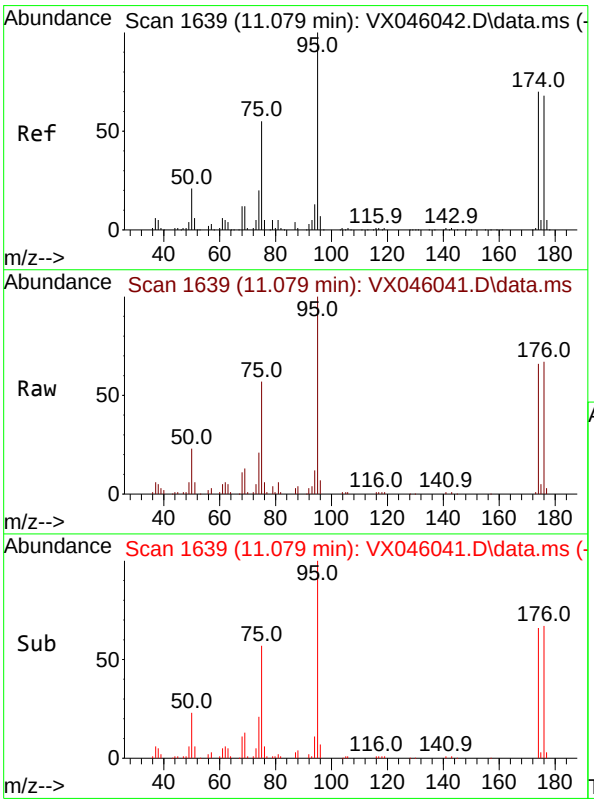
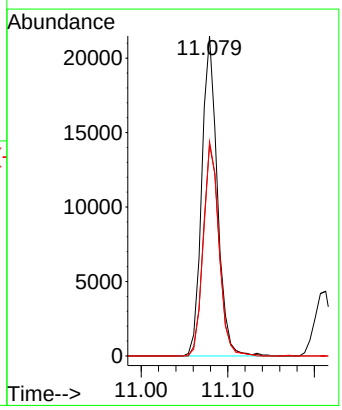
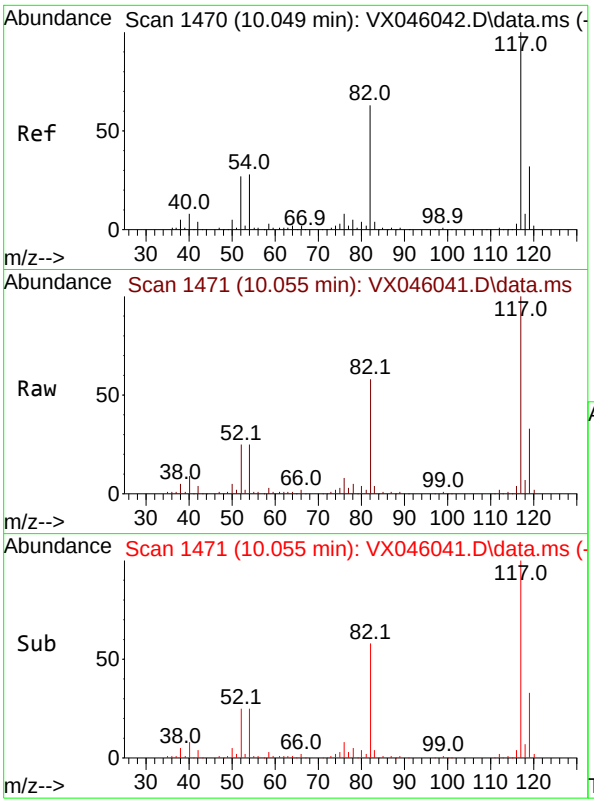


#62
4-Bromofluorobenzene
Concen: 13.236 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 95 Resp: 26760

Ion	Ratio	Lower	Upper
95	100		
174	67.4	0.0	135.8
176	67.0	0.0	131.4

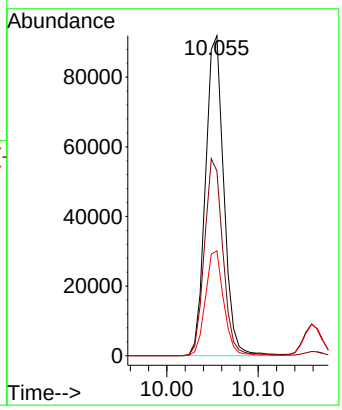




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:117 Resp: 12782

Ion	Ratio	Lower	Upper
117	100		
82	57.7	50.6	76.0
119	32.7	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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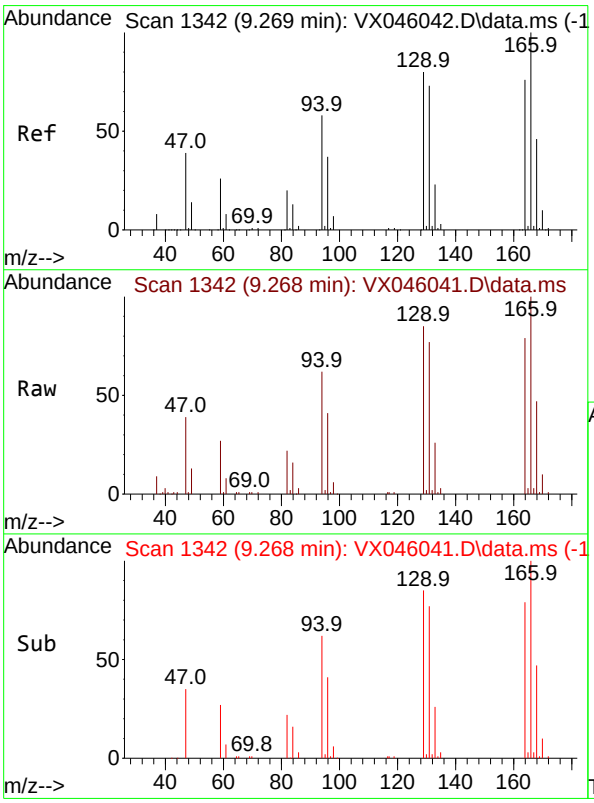
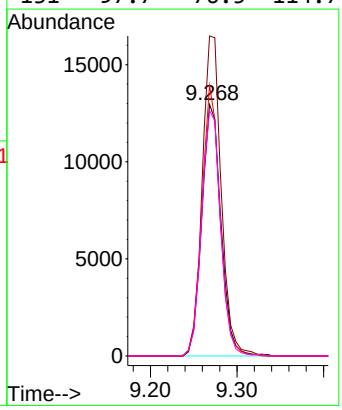
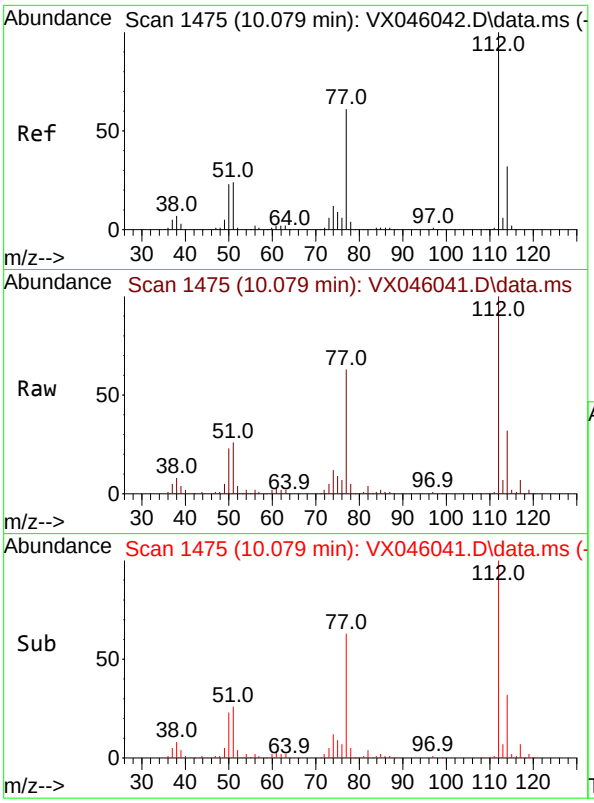


#64
Tetrachloroethene
Concen: 15.263 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:164 Resp: 19924

Ion	Ratio	Lower	Upper
164	100		
166	127.2	105.0	157.6
129	107.6	83.5	125.3
131	97.7	76.5	114.7

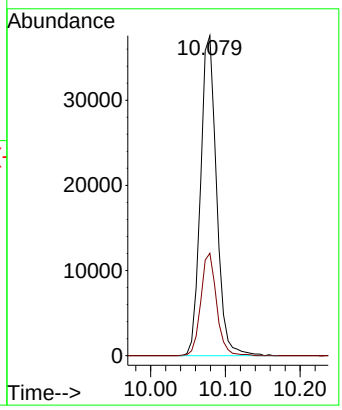




#65
Chlorobenzene
Concen: 14.202 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:112 Resp: 5586

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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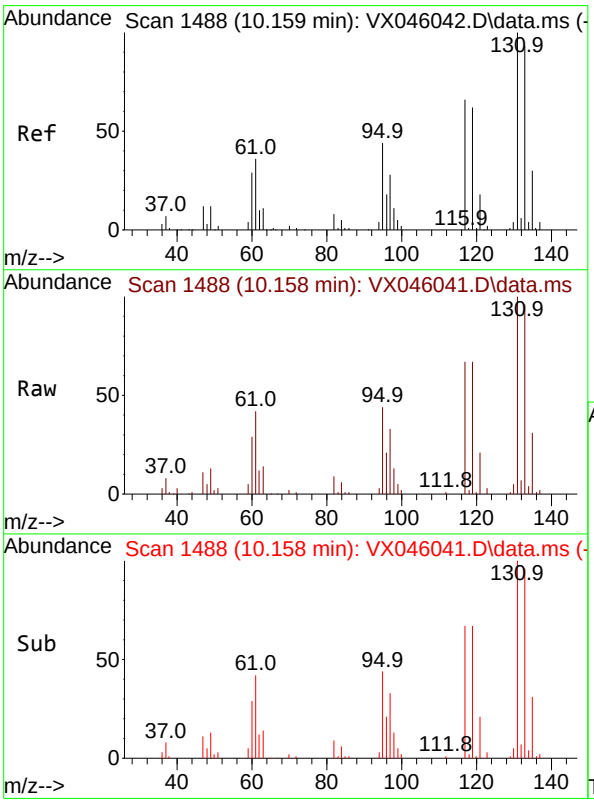
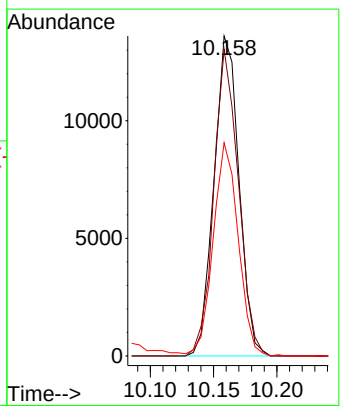
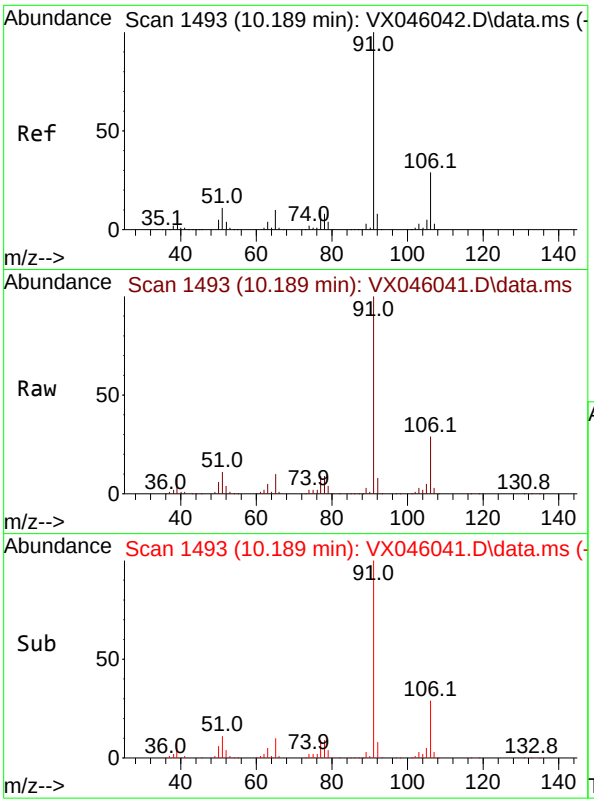


#66
1,1,1,2-Tetrachloroethane
Concen: 14.231 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:131 Resp: 18671

Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.3	141.9
119	66.7	31.6	95.0

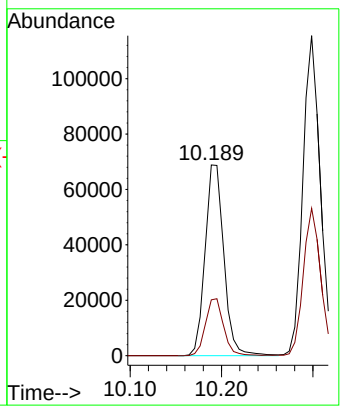




#67
Ethyl Benzene
Concen: 14.631 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 91 Resp: 9811

Ion	Ratio	Lower	Upper
91	100		
106	29.3	23.4	35.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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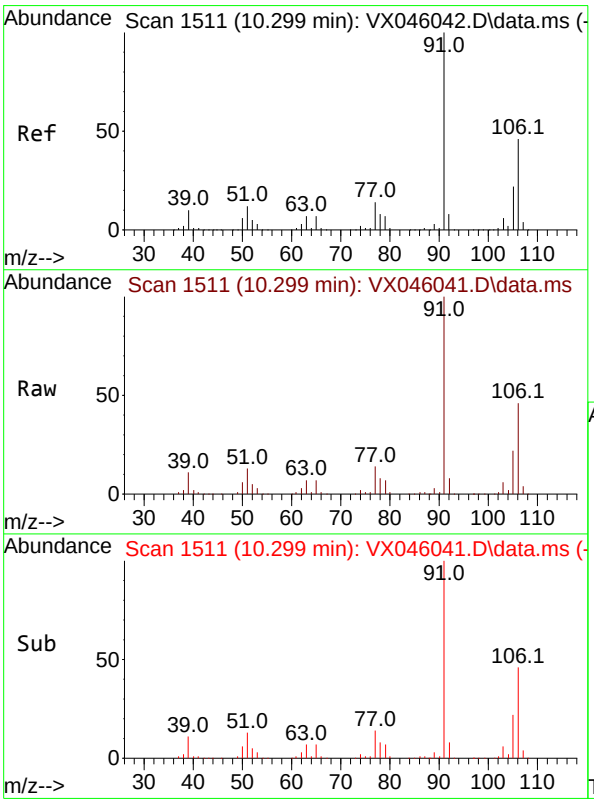
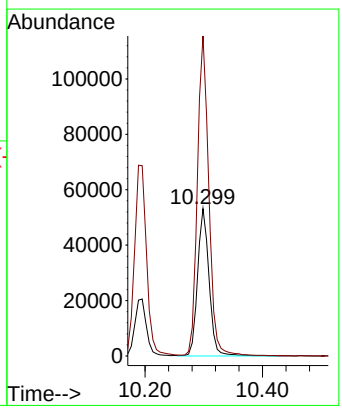
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

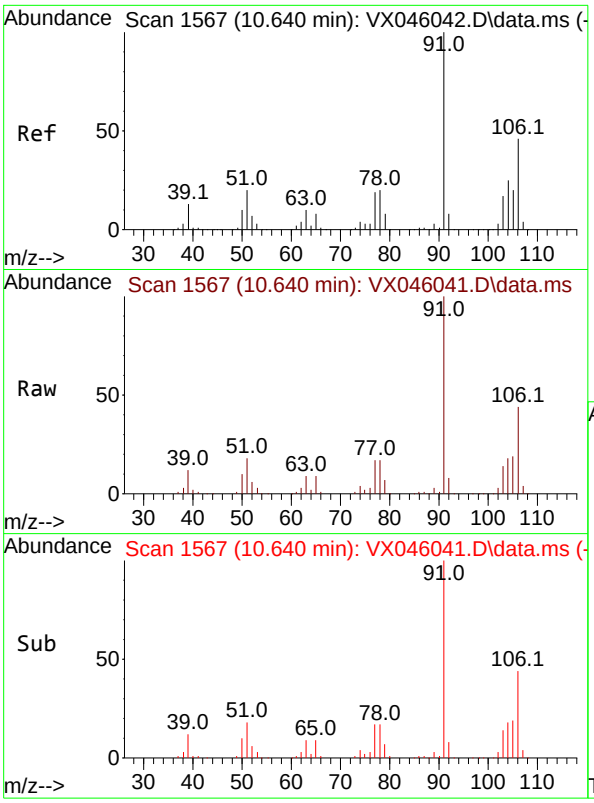


#68
m/p-Xylenes
Concen: 29.806 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:106 Resp: 72202

Ion	Ratio	Lower	Upper
106	100		
91	216.1	171.2	256.8





#69
o-Xylene
Concen: 14.408 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:106 Resp: 3517

Ion	Ratio	Lower	Upper
106	100		
91	231.7	112.7	338.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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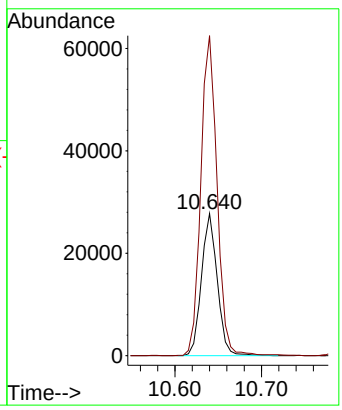
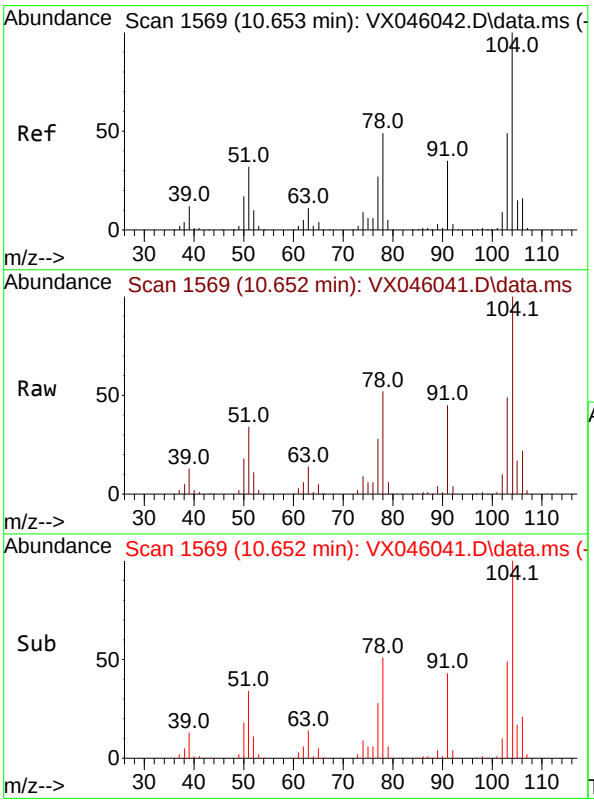
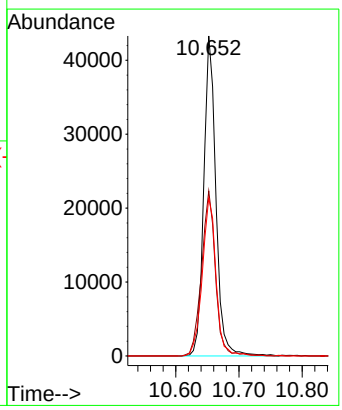


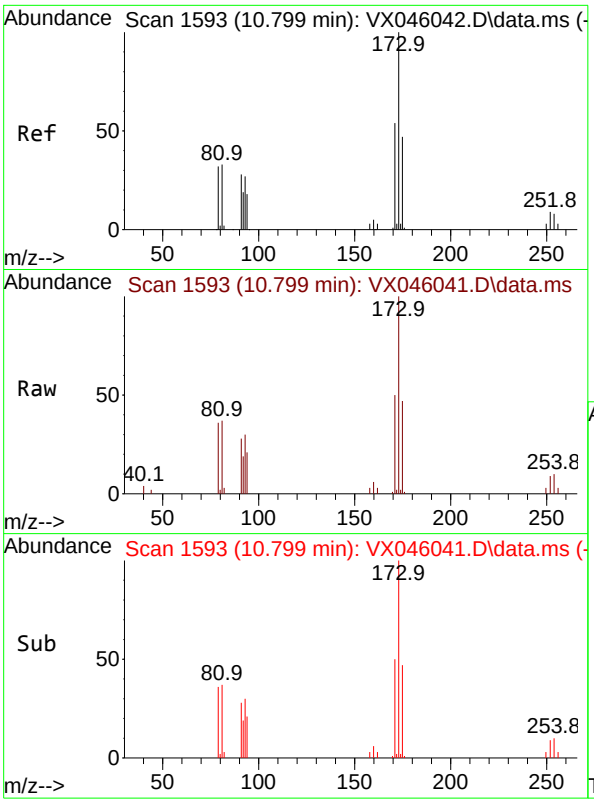


#70
Styrene
Concen: 14.853 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:104 Resp: 58034

Ion	Ratio	Lower	Upper
104	100		
78	58.7	45.7	68.5
103	55.6	43.7	65.5





#71
Bromoform
Concen: 14.030 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:173 Resp: 1382

Ion	Ratio	Lower	Upper
173	100		
175	46.4	23.4	70.0
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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Reviewed By :John Carlone 05/06/2025
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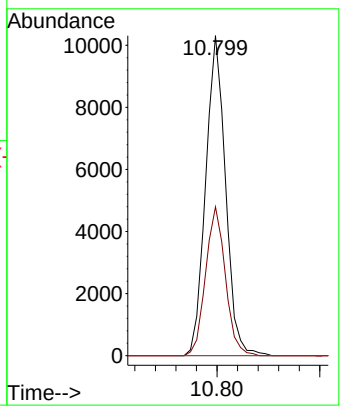
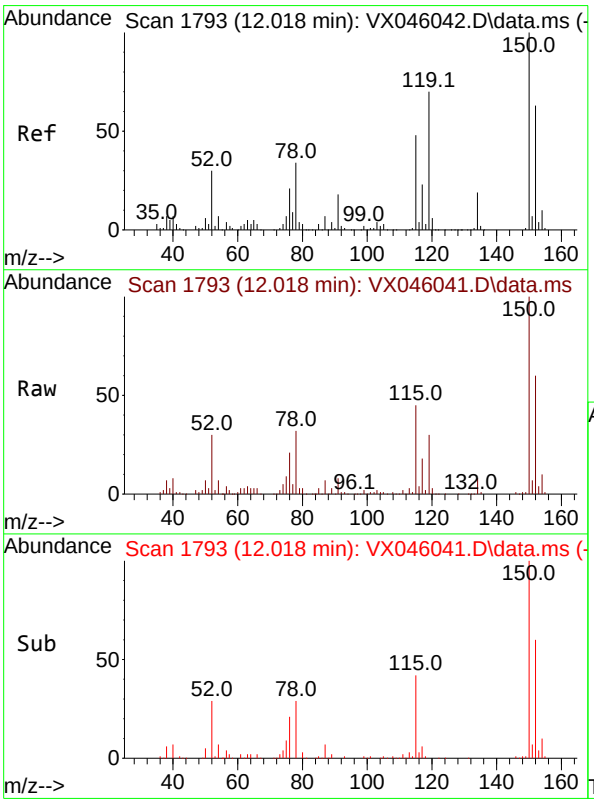
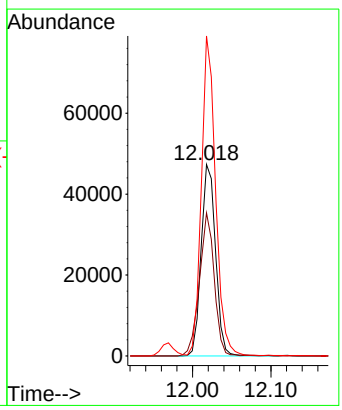


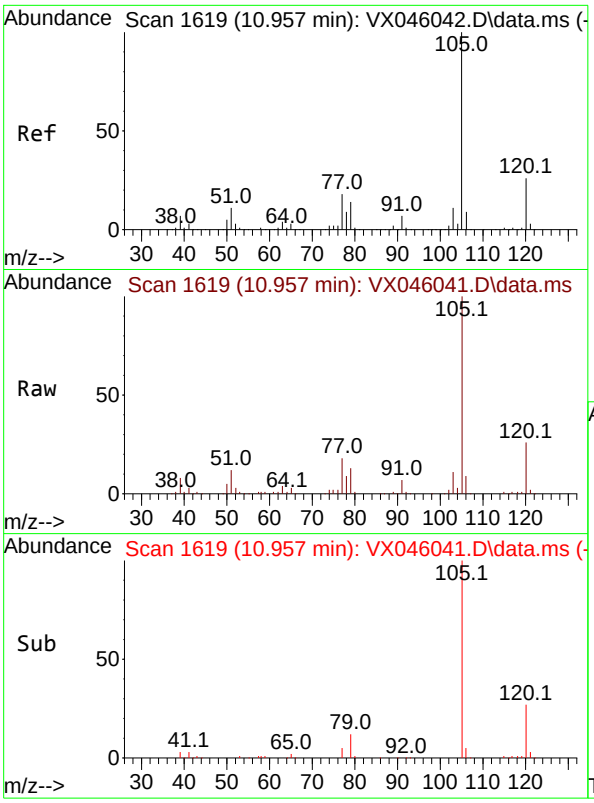


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:152 Resp: 60503

Ion	Ratio	Lower	Upper
152	100		
115	76.6	46.9	140.7
150	163.6	0.0	351.0

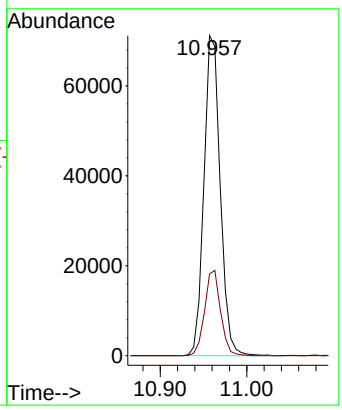




#73
Isopropylbenzene
Concen: 14.096 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:105 Resp: 9301

Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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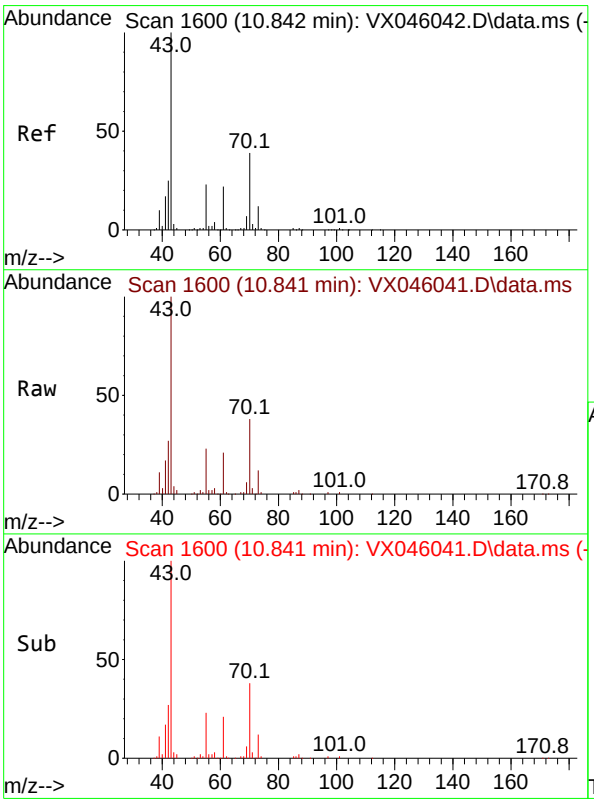
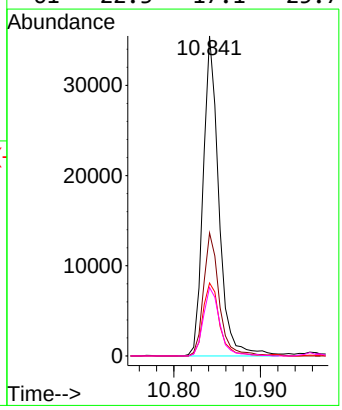
Supervised By :Mahesh Dadoda 05/06/2025

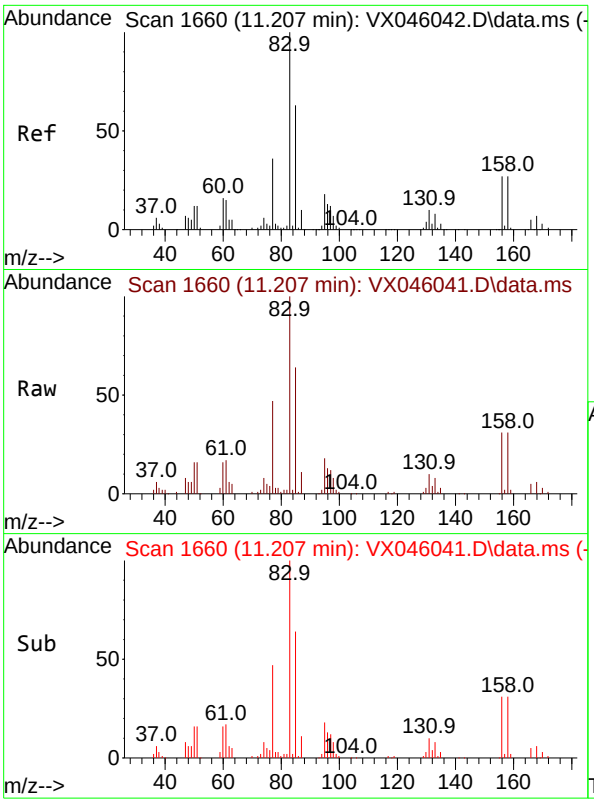


#74
N-amyl acetate
Concen: 13.581 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 44684

Ion	Ratio	Lower	Upper
43	100		
70	38.5	30.9	46.3
55	24.1	18.7	28.1
61	22.3	17.1	25.7

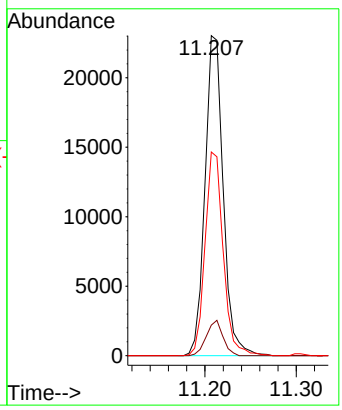




#75
1,1,2,2-Tetrachloroethane
Concen: 13.560 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 83 Resp: 3183

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	63.3	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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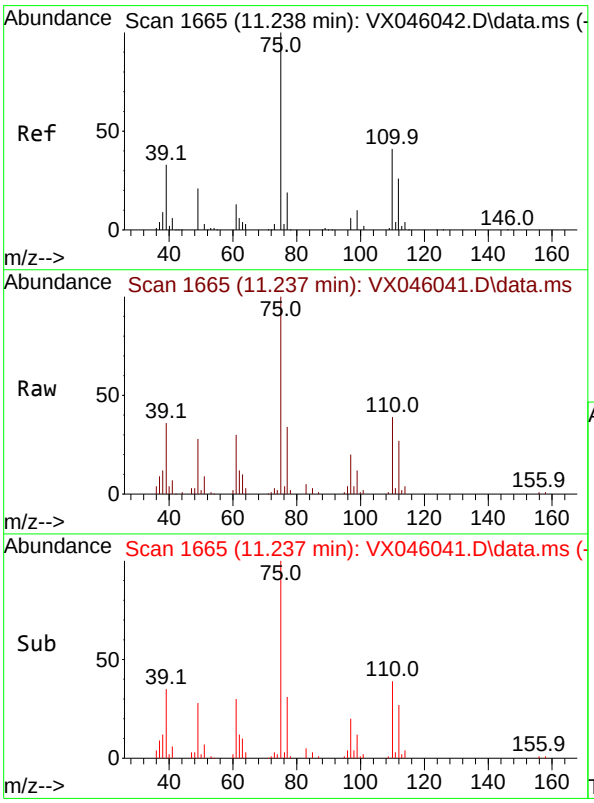
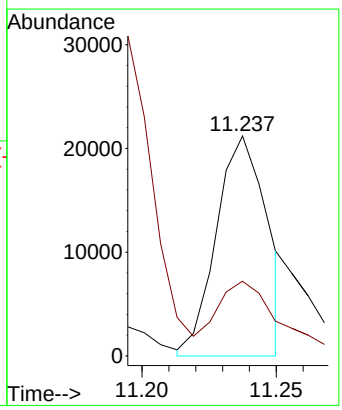
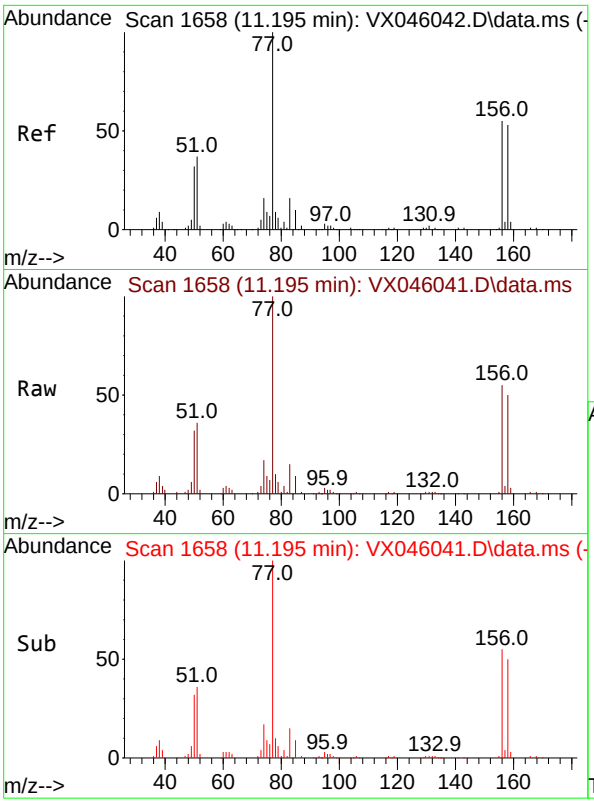


#76
1,2,3-Trichloropropane
Concen: 11.039 ug/l m
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 75 Resp: 27845

Ion	Ratio	Lower	Upper
75	100		
77	43.0	20.5	61.5





#77
Bromobenzene
Concen: 14.212 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:156 Resp: 2169

Ion	Ratio	Lower	Upper
156	100		
77	179.9	92.8	278.3
158	93.1	48.8	146.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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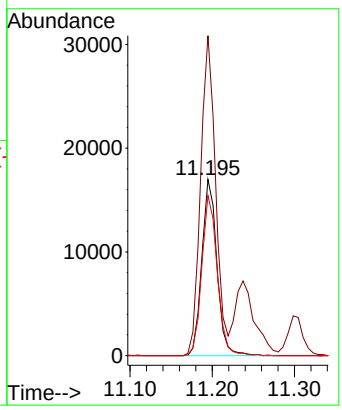
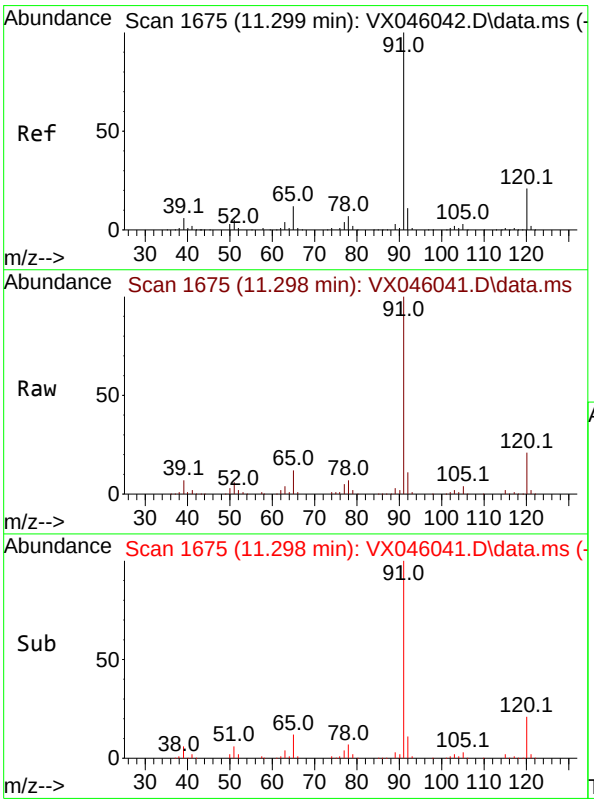
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

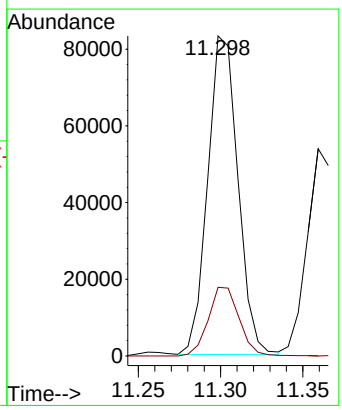


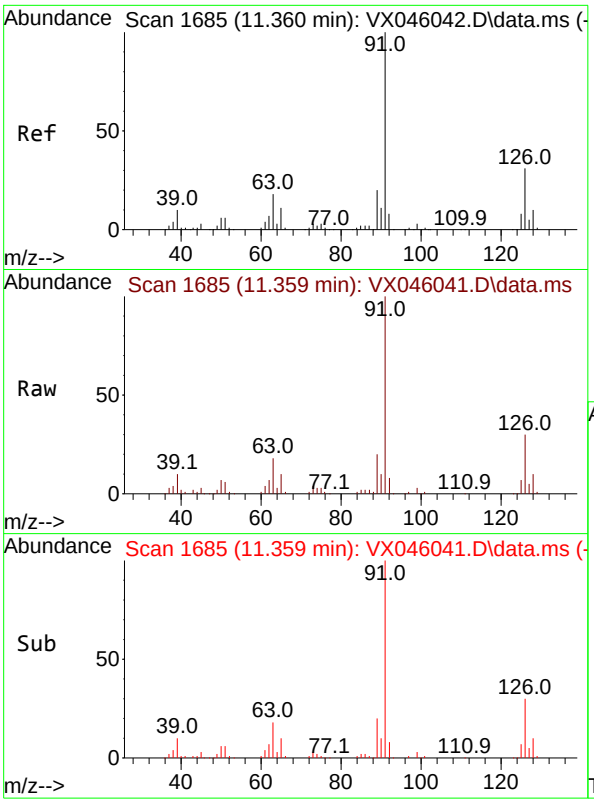


#78
n-propylbenzene
Concen: 14.376 ug/l
RT: 11.298 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 91 Resp: 106337

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4





#79
2-Chlorotoluene
Concen: 13.748 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 91 Resp: 6853

Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.6	46.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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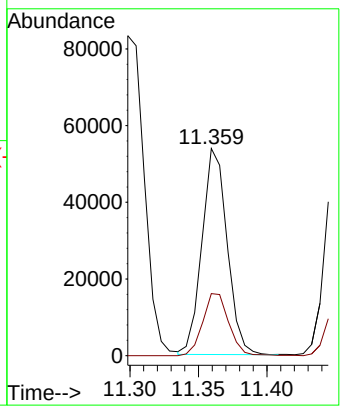
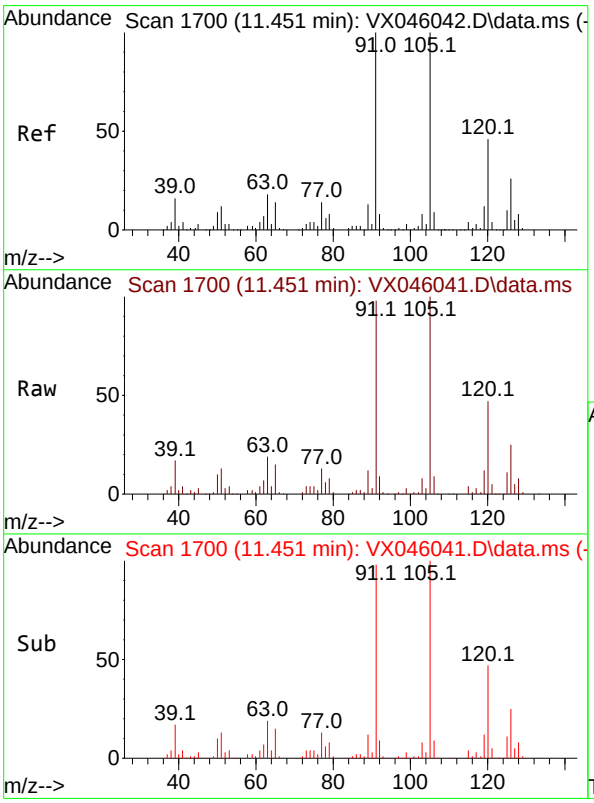
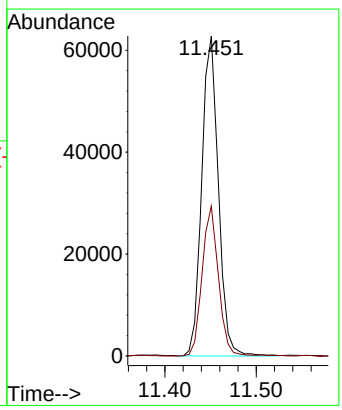


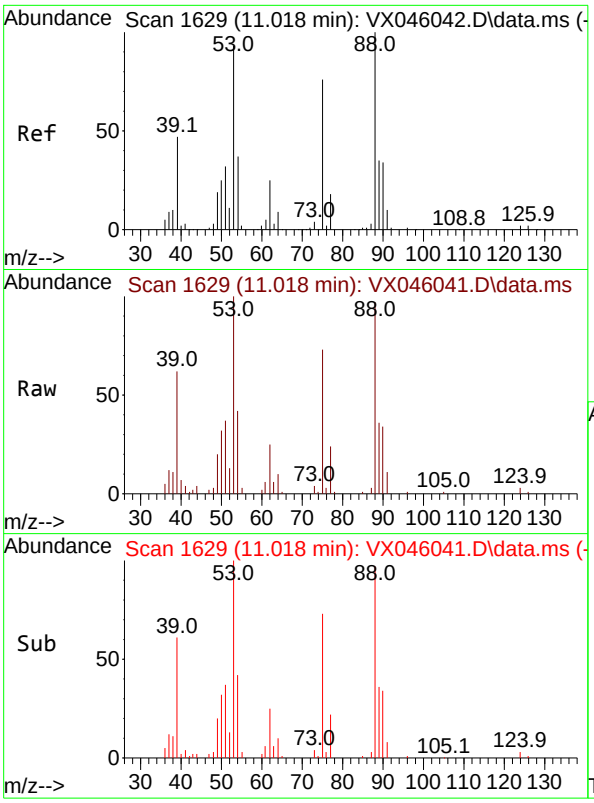


#80
1,3,5-Trimethylbenzene
Concen: 14.468 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:105 Resp: 79261

Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.1	69.2





#81
trans-1,4-Dichloro-2-butene
Concen: 13.371 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 75 Resp: 810

Ion	Ratio	Lower	Upper
75	100		
53	138.3	100.5	150.7
89	44.6	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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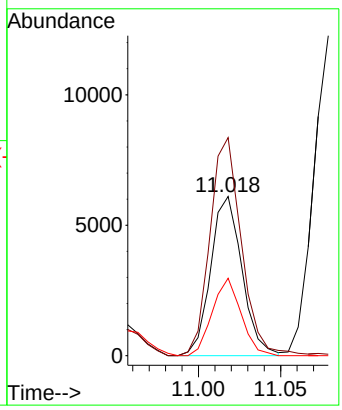
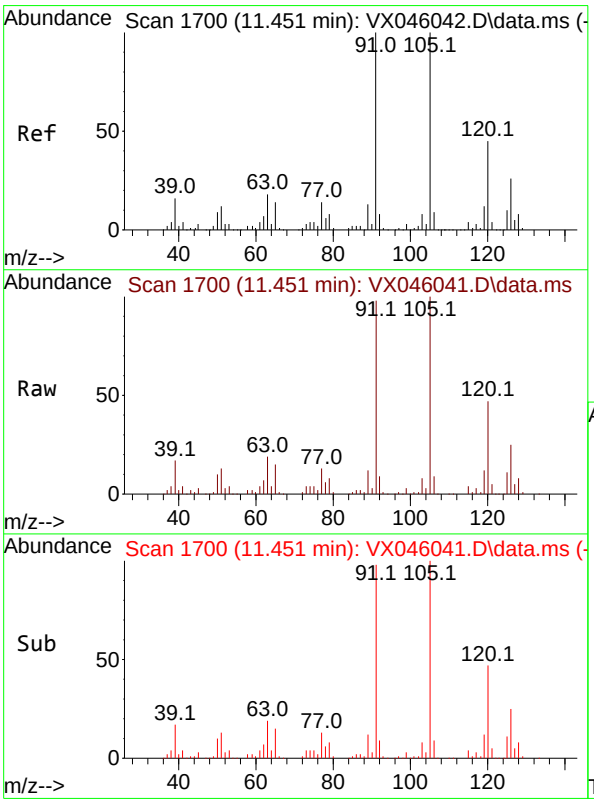
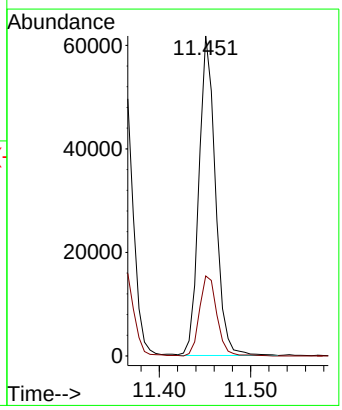


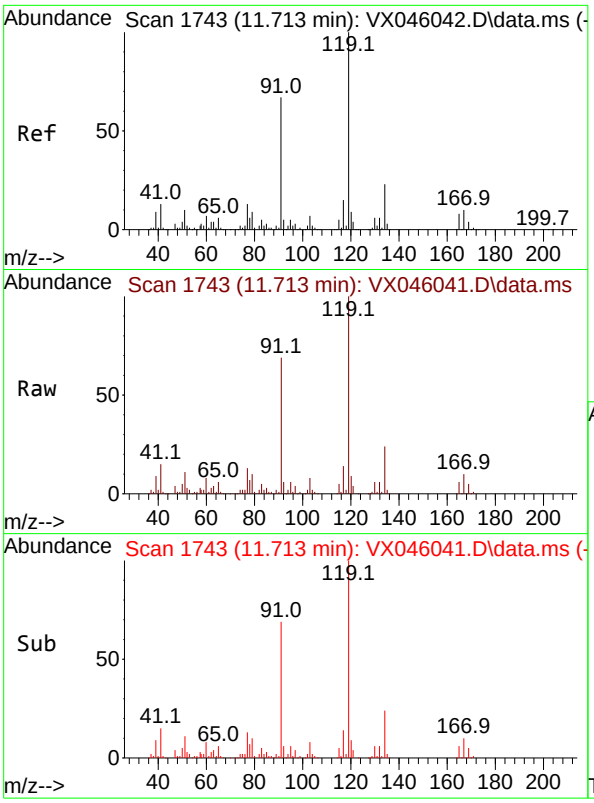


#82
4-Chlorotoluene
Concen: 14.116 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 91 Resp: 77338

Ion	Ratio	Lower	Upper
91	100		
126	26.5	13.3	39.8





#83
tert-Butylbenzene
Concen: 14.011 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:119 Resp: 7538

Ion	Ratio	Lower	Upper
119	100		
91	66.8	32.9	98.7
134	23.7	11.4	34.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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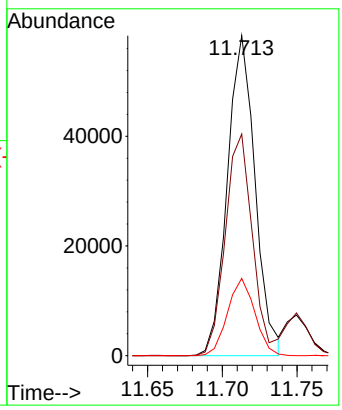
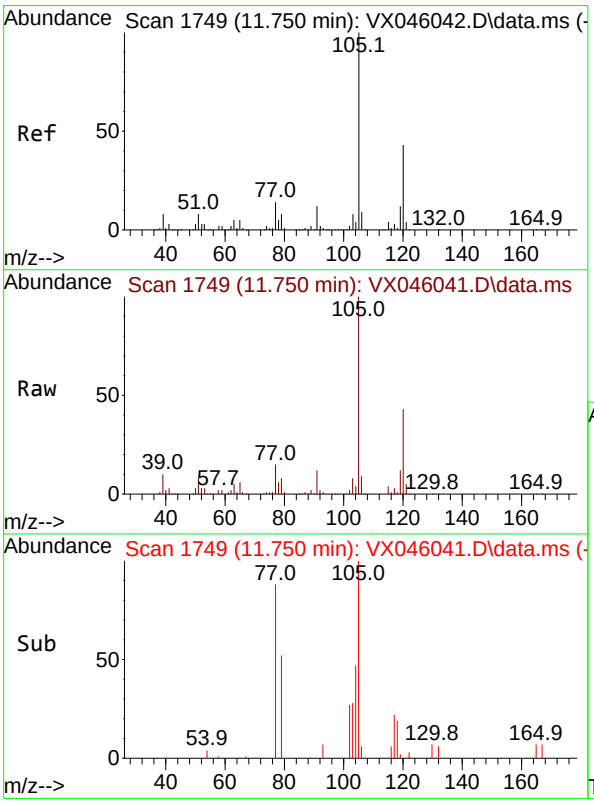
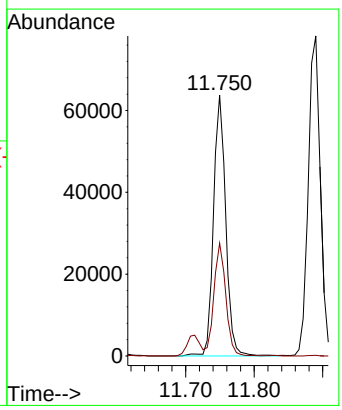


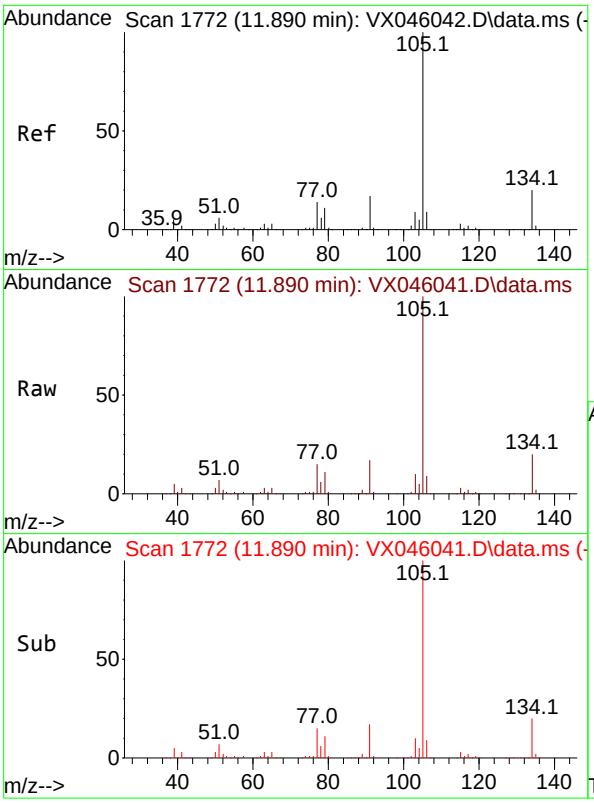


#84
1,2,4-Trimethylbenzene
Concen: 14.480 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:105 Resp: 79232

Ion	Ratio	Lower	Upper
105	100		
120	42.0	21.2	63.6





#85
sec-Butylbenzene
Concen: 14.263 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

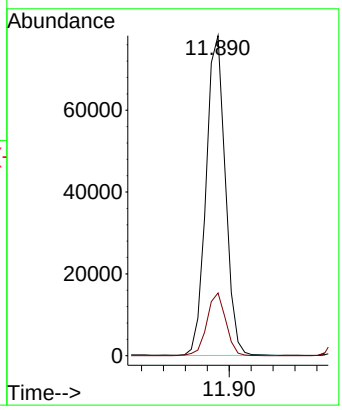
Tgt Ion:105 Resp: 9527

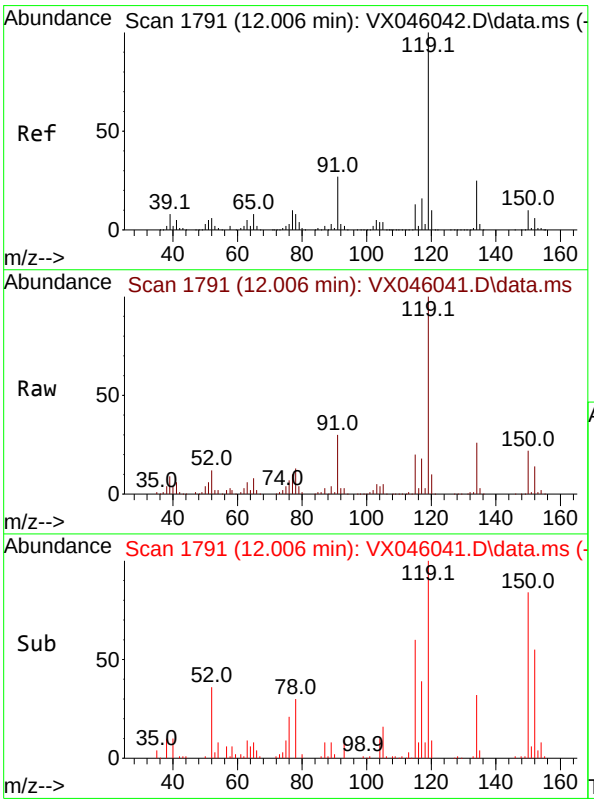
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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

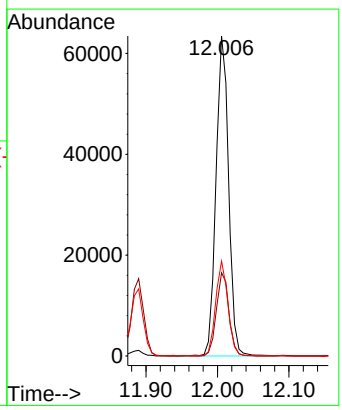


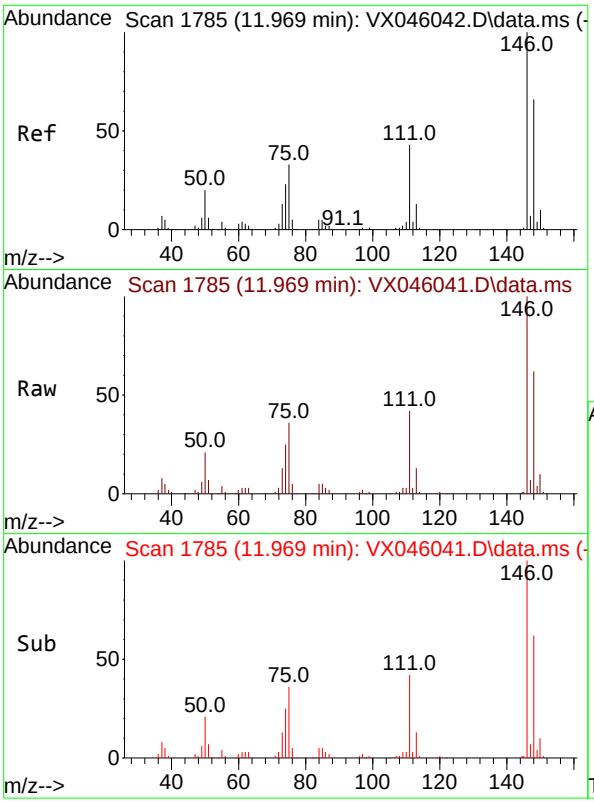


#86
p-Isopropyltoluene
Concen: 14.387 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:119 Resp: 77599

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.5	37.5
91	28.8	13.8	41.4

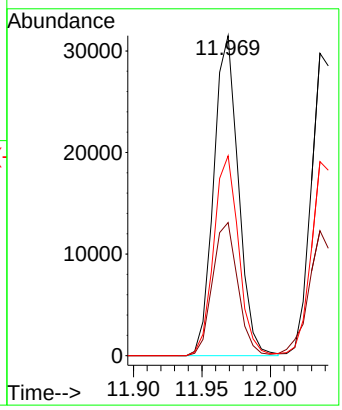




#87
1,3-Dichlorobenzene
Concen: 13.898 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:146 Resp: 3952

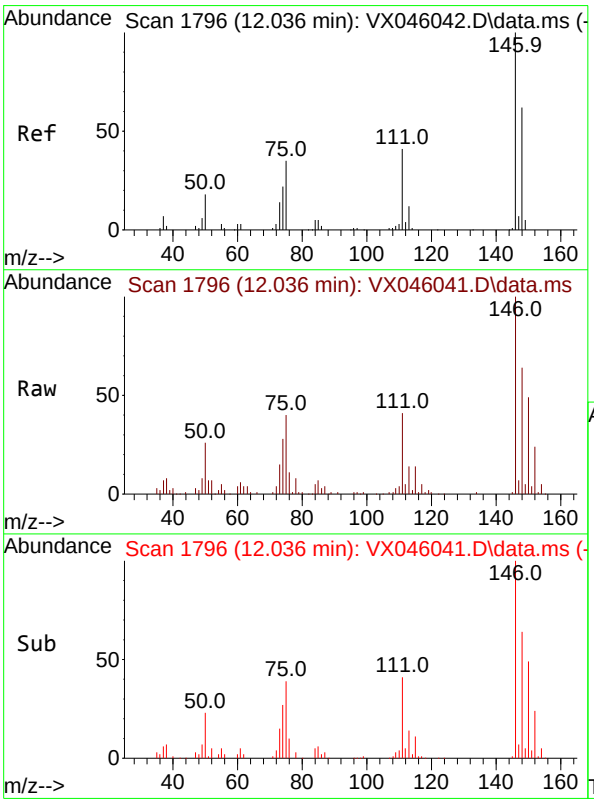
Ion	Ratio	Lower	Upper
146	100		
111	42.7	22.1	66.3
148	62.9	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

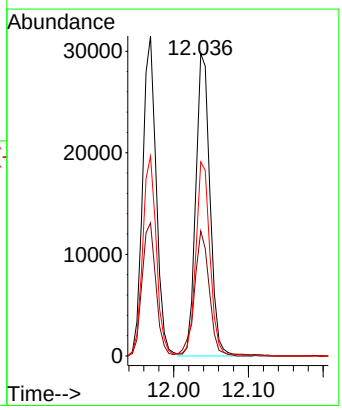
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

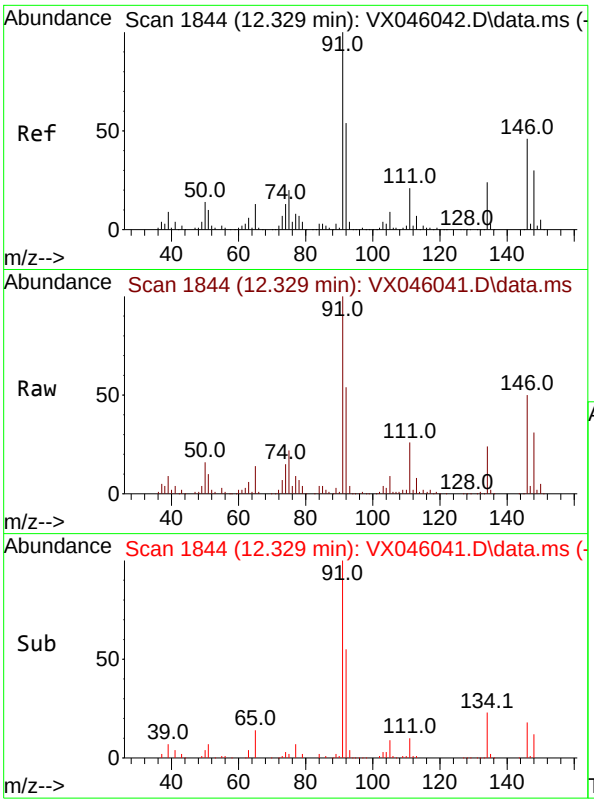


#88
1,4-Dichlorobenzene
Concen: 14.146 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:146 Resp: 39419

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.3	63.9
148	64.2	31.9	95.5





#89
n-Butylbenzene
Concen: 14.184 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

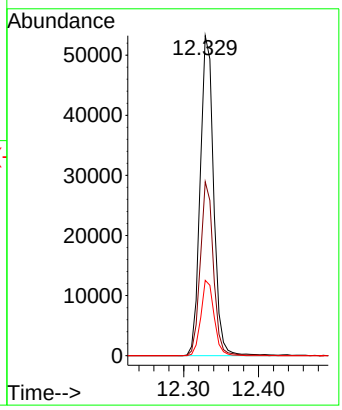
Tgt Ion: 91 Resp: 6650

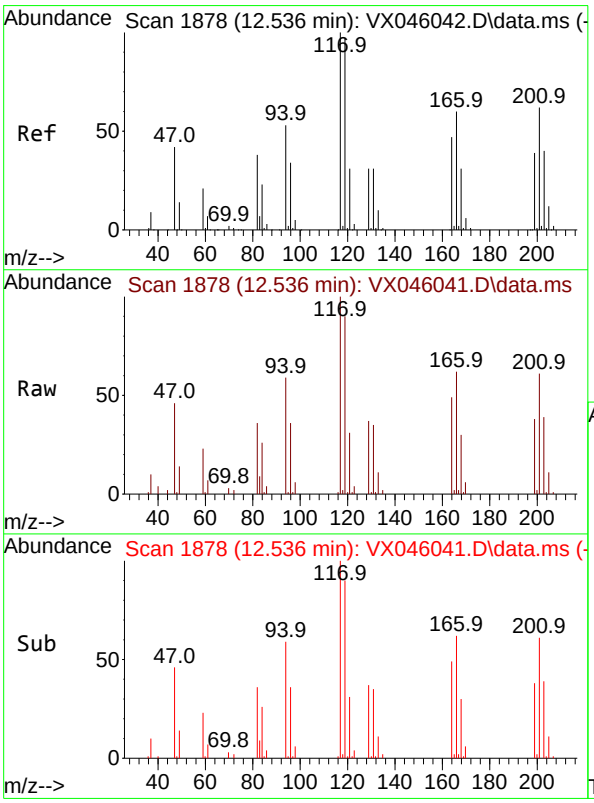
Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.9	80.7
134	23.1	11.8	35.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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

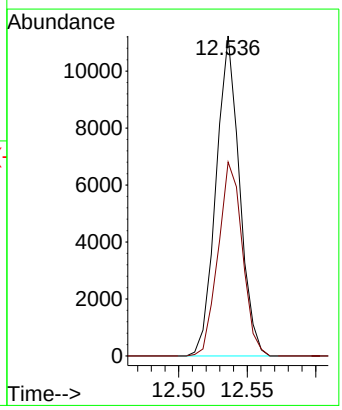


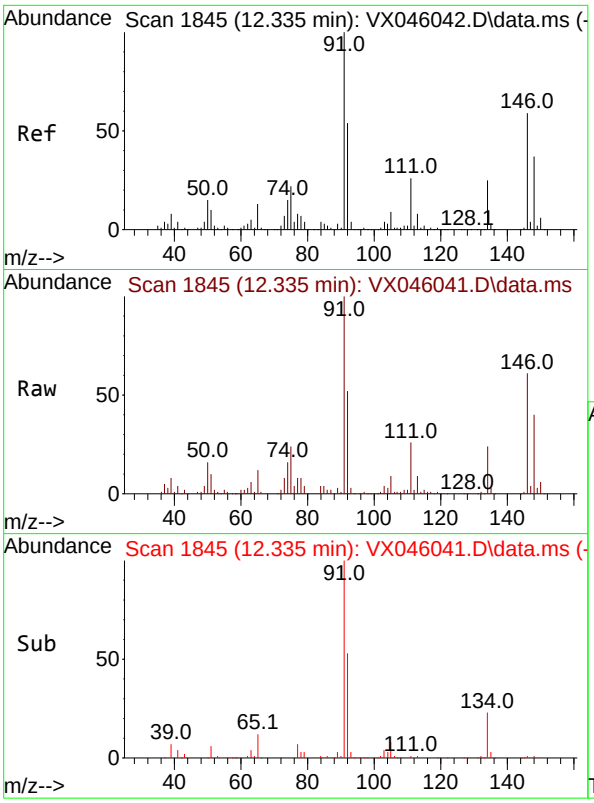


#90
Hexachloroethane
Concen: 13.287 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:117 Resp: 13332

Ion	Ratio	Lower	Upper
117	100		
201	62.9	31.6	94.7

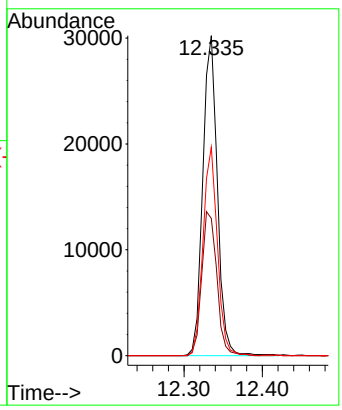




#91
1,2-Dichlorobenzene
Concen: 14.092 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:146 Resp: 3903

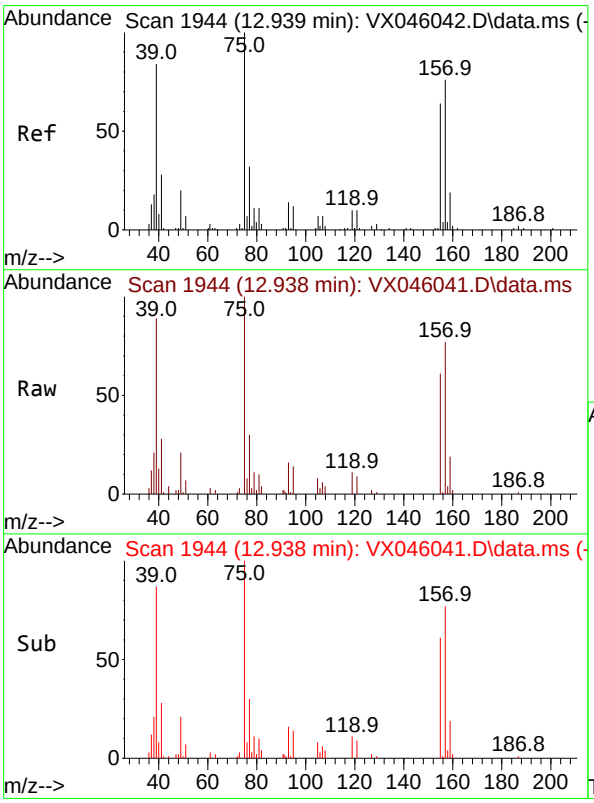
Ion	Ratio	Lower	Upper
146	100		
111	46.6	22.4	67.3
148	64.2	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

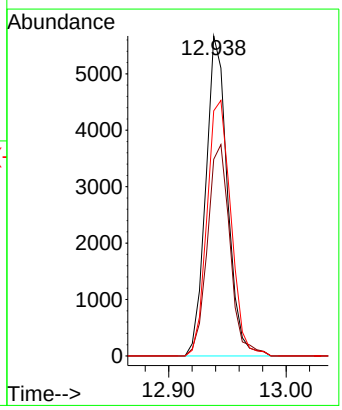
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

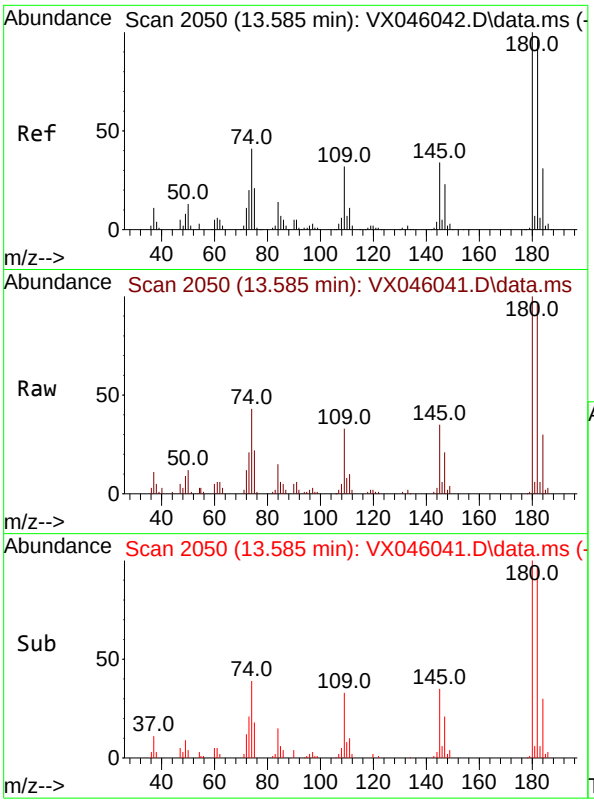


#92
1,2-Dibromo-3-Chloropropane
Concen: 13.535 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 75 Resp: 7232

Ion	Ratio	Lower	Upper
75	100		
155	69.4	34.9	104.8
157	88.4	43.8	131.4

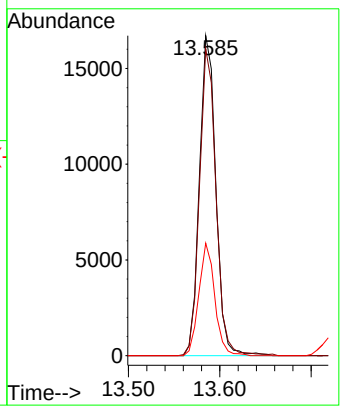




#93
1,2,4-Trichlorobenzene
Concen: 13.745 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:180 Resp: 2084

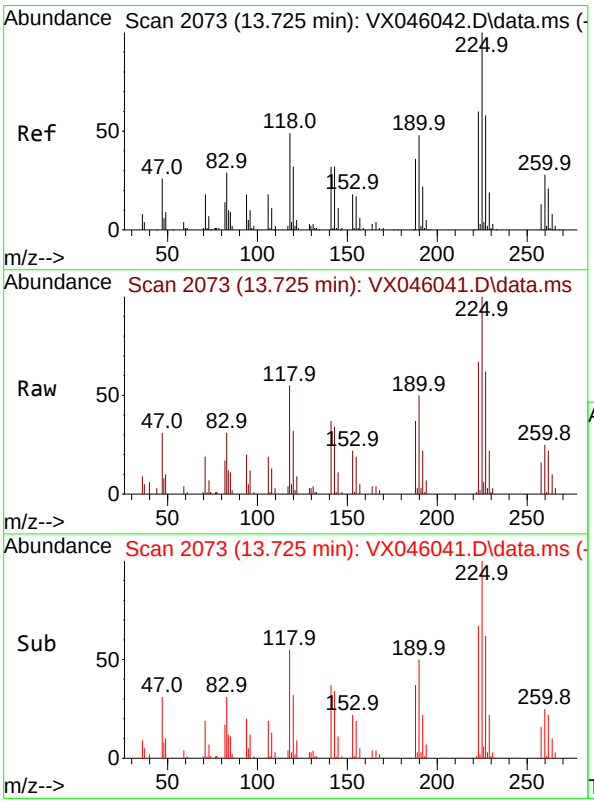
Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.9	143.8
145	34.1	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

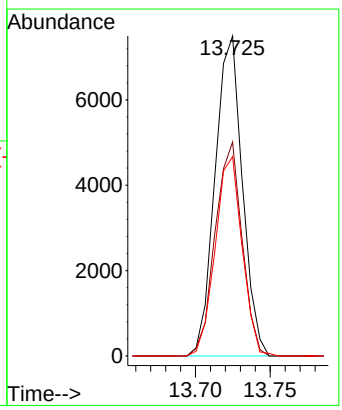
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

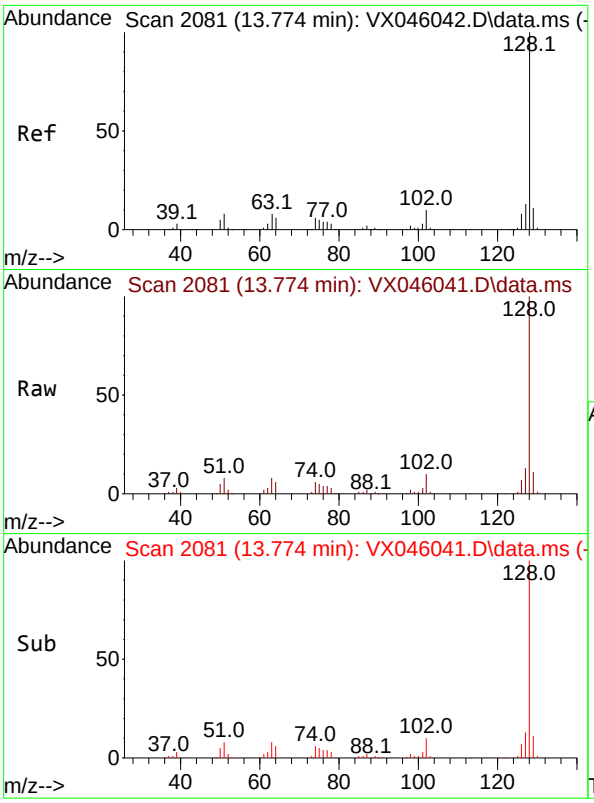


#94
Hexachlorobutadiene
Concen: 13.426 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:225 Resp: 9524

Ion	Ratio	Lower	Upper
225	100		
223	65.6	30.8	92.4
227	61.4	30.9	92.7

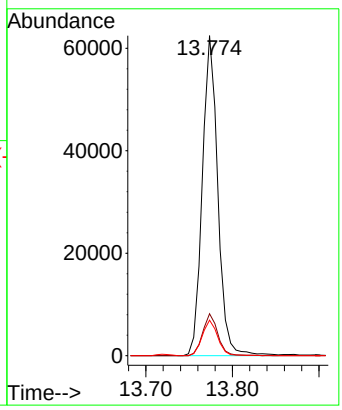




#95
Naphthalene
Concen: 14.040 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:128 Resp: 7754

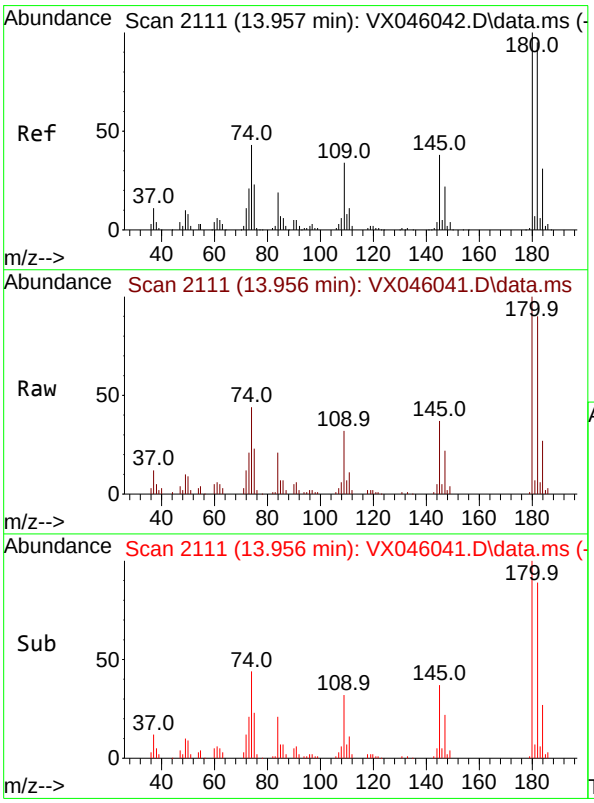
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.1	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

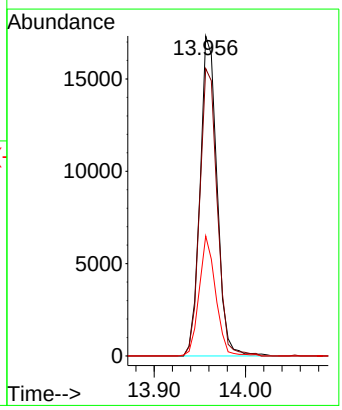
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 14.023 ug/l
RT: 13.956 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:180 Resp: 22301

Ion	Ratio	Lower	Upper
180	100		
182	92.1	47.8	143.3
145	36.5	18.1	54.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	97076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	167947	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	146257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67976	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	88371	30.601	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	61.200%#		
35) Dibromofluoromethane	5.379	113	59550	31.633	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	63.260%#		
50) Toluene-d8	8.647	98	205479	32.395	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	64.780%#		
62) 4-Bromofluorobenzene	11.079	95	79012	34.229	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	68.460%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	83826	39.120	ug/l	100
3) Chloromethane	1.307	50	75238	35.658	ug/l	100
4) Vinyl Chloride	1.374	62	68901	37.273	ug/l	100
5) Bromomethane	1.593	94	31648	33.765	ug/l	100
6) Chloroethane	1.666	64	36722	38.558	ug/l	100
7) Trichlorofluoromethane	1.874	101	103693	36.824	ug/l	100
8) Diethyl Ether	2.136	74	32724	35.350	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	62251	36.997	ug/l	100
10) Methyl Iodide	2.447	142	78277	39.622	ug/l	100
11) Tert butyl alcohol	2.977	59	62557	181.745	ug/l	100
12) 1,1-Dichloroethene	2.313	96	58334	35.610	ug/l	100
13) Acrolein	2.233	56	73927	184.907	ug/l	100
14) Allyl chloride	2.654	41	114445	36.971	ug/l	100
15) Acrylonitrile	3.062	53	188304	182.874	ug/l	100
16) Acetone	2.386	43	175777	177.910	ug/l	100
17) Carbon Disulfide	2.502	76	141281	37.223	ug/l	100
18) Methyl Acetate	2.703	43	82347	34.915	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	209665	36.695	ug/l	100
20) Methylene Chloride	2.782	84	66412	33.182	ug/l	100
21) trans-1,2-Dichloroethene	3.087	96	59234	35.421	ug/l	100
22) Diisopropyl ether	3.757	45	221172	38.241	ug/l	100
23) Vinyl Acetate	3.721	43	994236	194.528	ug/l	100
24) 1,1-Dichloroethane	3.605	63	122601	36.067	ug/l	100
25) 2-Butanone	4.556	43	269224	188.783	ug/l	100
26) 2,2-Dichloropropane	4.465	77	92857	36.059	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	71518	35.466	ug/l	100
28) Bromochloromethane	4.898	49	56091	31.031	ug/l	100
29) Tetrahydrofuran	5.001	42	170124	183.679	ug/l	100
30) Chloroform	5.087	83	125850	35.626	ug/l	100
31) Cyclohexane	5.464	56	109459	38.205	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	109781	36.034	ug/l	100
36) 1,1-Dichloropropene	5.684	75	83215	38.073	ug/l	100
37) Ethyl Acetate	4.715	43	102537	37.394	ug/l	100
38) Carbon Tetrachloride	5.672	117	93712	37.320	ug/l	100
39) Methylcyclohexane	7.373	83	107651	39.307	ug/l	100
40) Benzene	6.031	78	247476	36.530	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	58082	38.123	ug/l		100
42) 1,2-Dichloroethane	6.080	62	105332	37.605	ug/l		100
43) Isopropyl Acetate	6.336	43	161787	38.598	ug/l		100
44) Trichloroethene	7.123	130	59623	37.230	ug/l		100
45) 1,2-Dichloropropane	7.428	63	62387	37.064	ug/l		100
46) Dibromomethane	7.574	93	48201	36.326	ug/l		100
47) Bromodichloromethane	7.818	83	96916	37.685	ug/l		100
48) Methyl methacrylate	7.690	41	84277	39.157	ug/l		100
49) 1,4-Dioxane	7.659	88	30529	713.477	ug/l		100
51) 4-Methyl-2-Pentanone	8.574	43	532388	193.653	ug/l		100
52) Toluene	8.714	92	150757	37.530	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	88655	41.056	ug/l		100
54) cis-1,3-Dichloropropene	8.360	75	97031	38.521	ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	59499	36.648	ug/l		100
56) Ethyl methacrylate	9.116	69	99947	39.726	ug/l		100
57) 1,3-Dichloropropane	9.305	76	104606	36.347	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	257678	227.902	ug/l		100
59) 2-Hexanone	9.427	43	396784	190.168	ug/l		100
60) Dibromochloromethane	9.519	129	67198	38.027	ug/l		100
61) 1,2-Dibromoethane	9.604	107	62633	37.567	ug/l		100
64) Tetrachloroethene	9.269	164	54853	36.726	ug/l		100
65) Chlorobenzene	10.079	112	160600	35.686	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	57066	38.017	ug/l		100
67) Ethyl Benzene	10.189	91	295712	38.543	ug/l		100
68) m/p-Xylenes	10.299	106	216578	78.142	ug/l		100
69) o-Xylene	10.640	106	106335	38.064	ug/l		100
70) Styrene	10.653	104	178313	39.888	ug/l		100
71) Bromoform	10.799	173	44486	39.457	ug/l	#	100
73) Isopropylbenzene	10.957	105	280719	37.865	ug/l		100
74) N-amyl acetate	10.842	43	140509	38.012	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	90975	34.495	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	80678m	28.468	ug/l		
77) Bromobenzene	11.195	156	63053	36.763	ug/l		100
78) n-propylbenzene	11.299	91	329981	39.707	ug/l		100
79) 2-Chlorotoluene	11.360	91	203509	36.336	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	237066	38.516	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	26179	38.445	ug/l		100
82) 4-Chlorotoluene	11.451	91	233172	37.880	ug/l		100
83) tert-Butylbenzene	11.713	119	233468	38.622	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	239433	38.946	ug/l		100
85) sec-Butylbenzene	11.890	105	291074	38.786	ug/l		100
86) p-Isopropyltoluene	12.006	119	241658	39.879	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	115651	36.199	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	115097	36.763	ug/l		100
89) n-Butylbenzene	12.329	91	213899	40.603	ug/l		100
90) Hexachloroethane	12.536	117	42314	37.534	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	115286	37.047	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21909	36.496	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	66655	39.117	ug/l		100
94) Hexachlorobutadiene	13.725	225	29007	36.395	ug/l		100
95) Naphthalene	13.774	128	245568	39.575	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	69262	38.765	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

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

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

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
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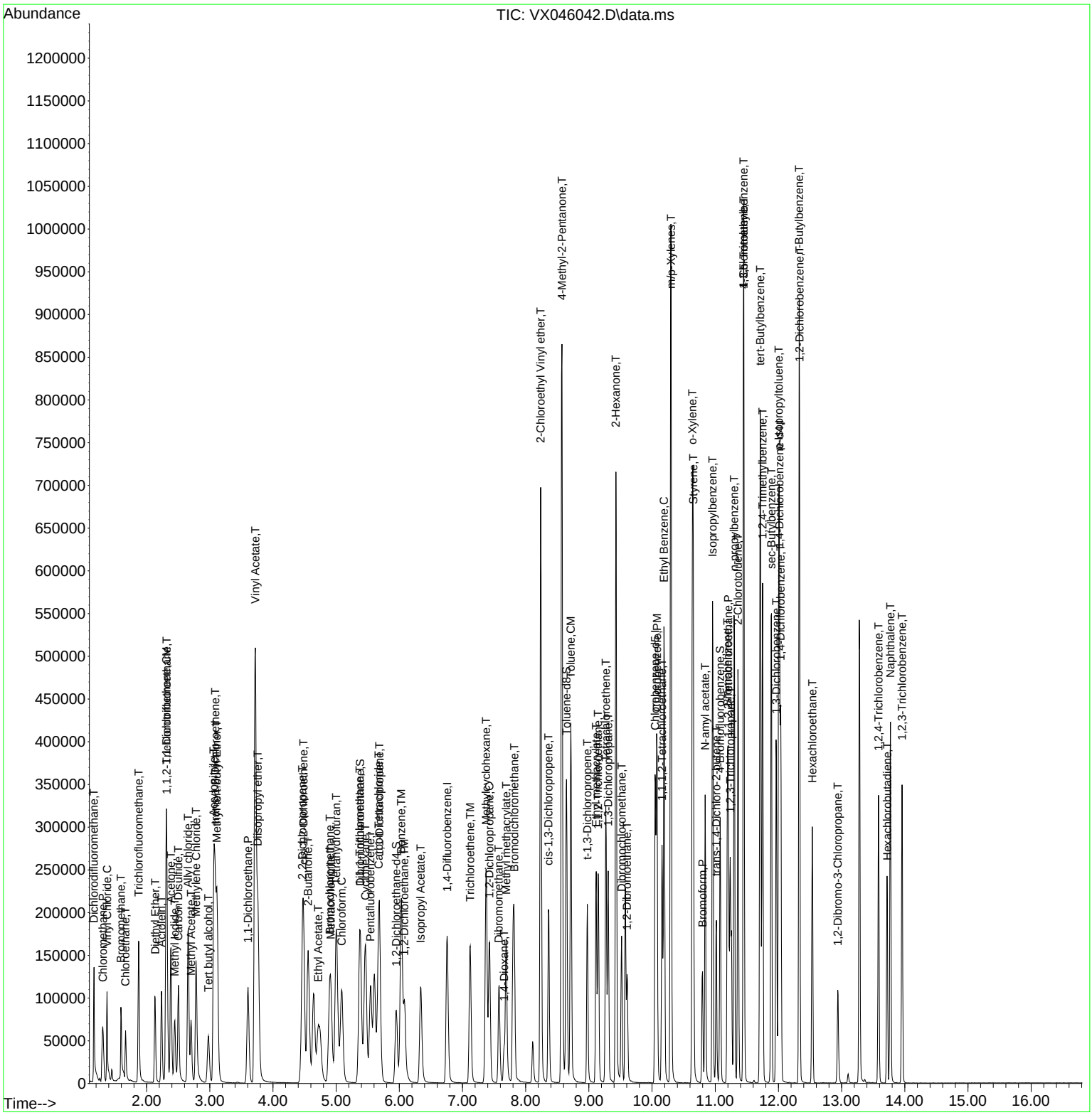
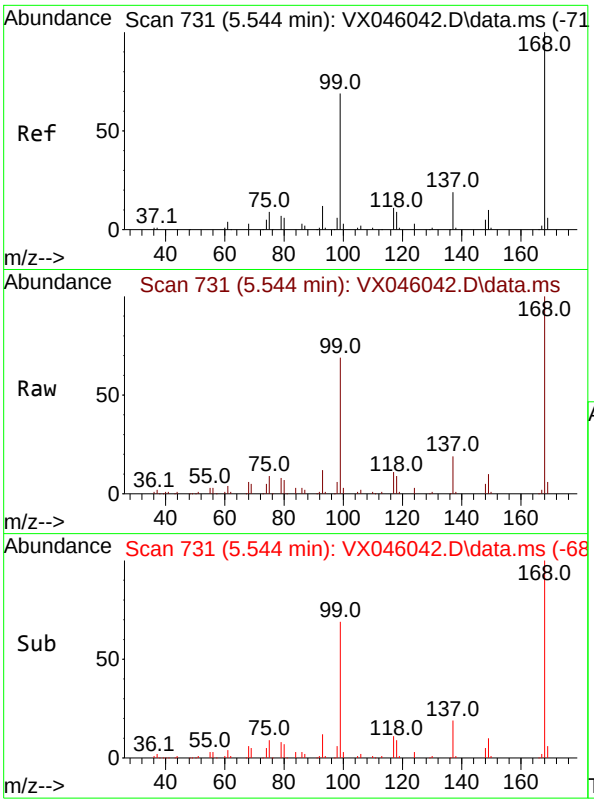
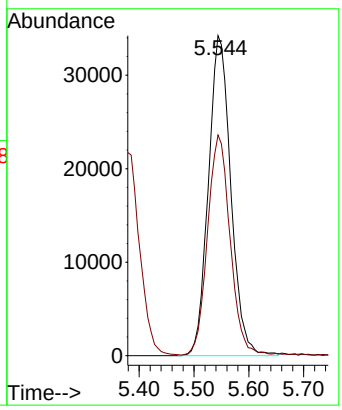




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:168 Resp: 9707

Ion	Ratio	Lower	Upper
168	100		
99	68.6	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
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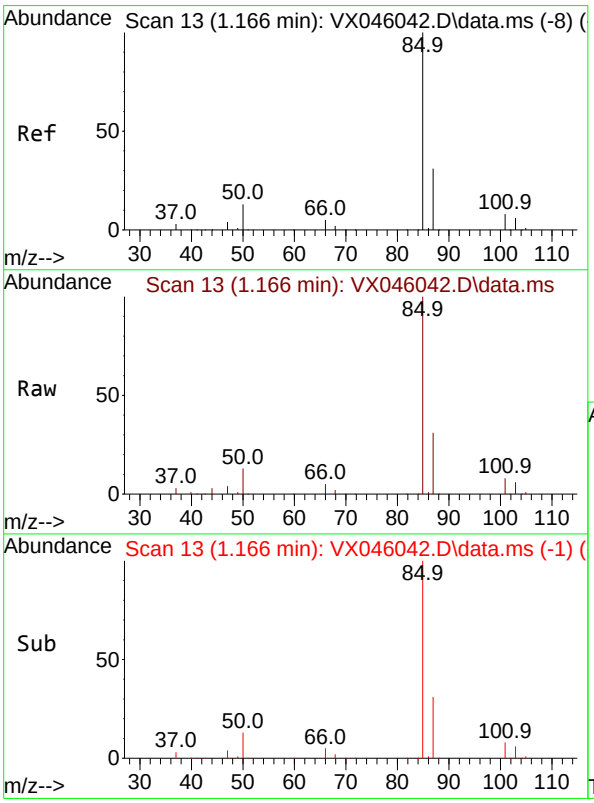
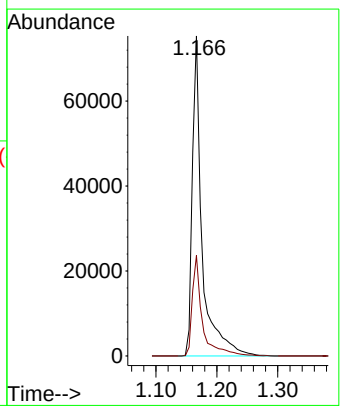
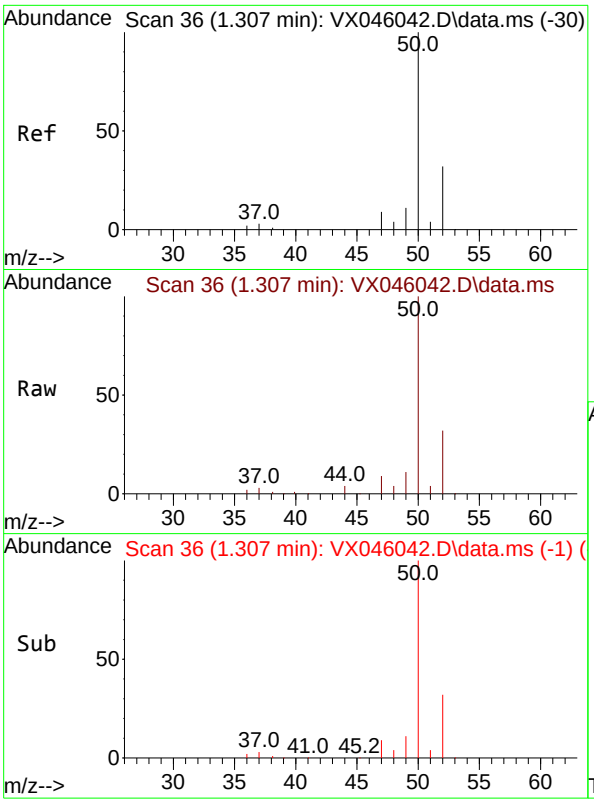


#2
Dichlorodifluoromethane
Concen: 39.120 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 85 Resp: 83826

Ion	Ratio	Lower	Upper
85	100		
87	31.4	15.7	47.1

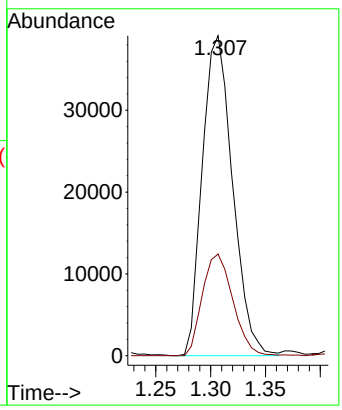




#3
Chloromethane
Concen: 35.658 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 50 Resp: 7523

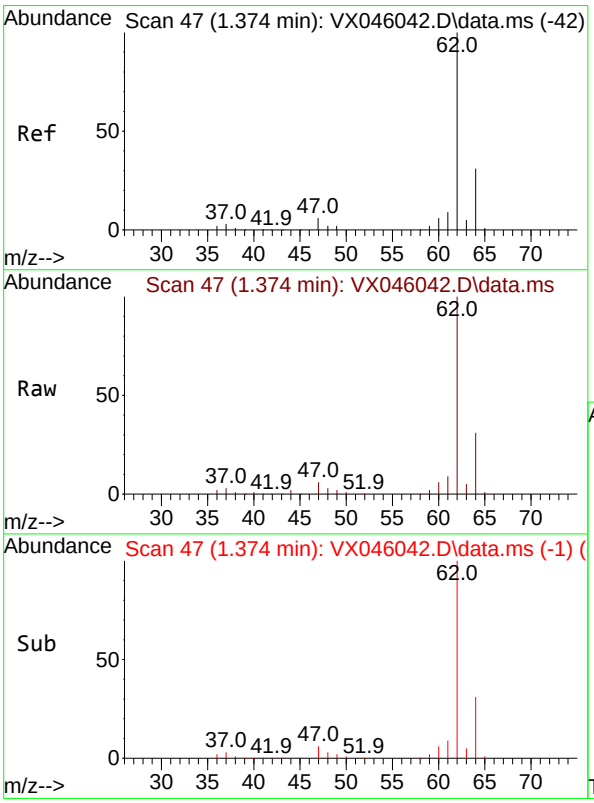
Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

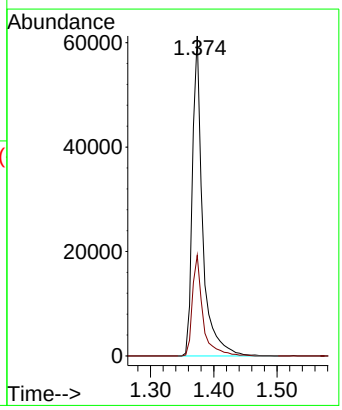
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

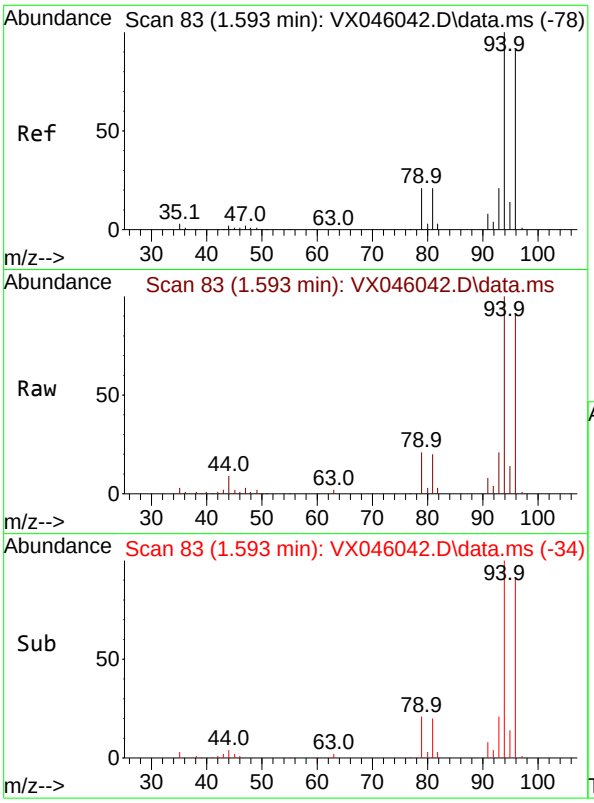


#4
Vinyl Chloride
Concen: 37.273 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 62 Resp: 68901

Ion	Ratio	Lower	Upper
62	100		
64	31.5	25.2	37.8

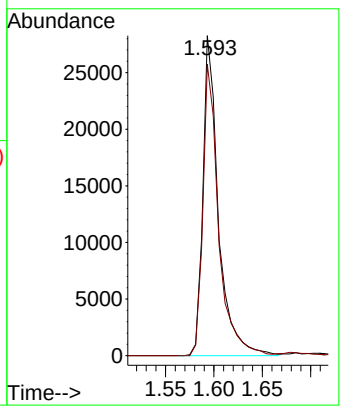




#5
Bromomethane
Concen: 33.765 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 94 Resp: 3164

Ion	Ratio	Lower	Upper
94	100		
96	91.0	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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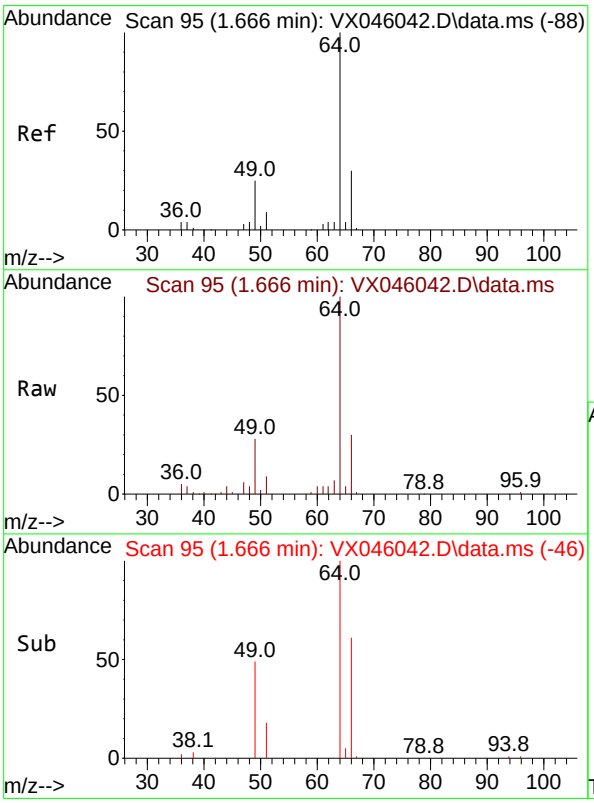
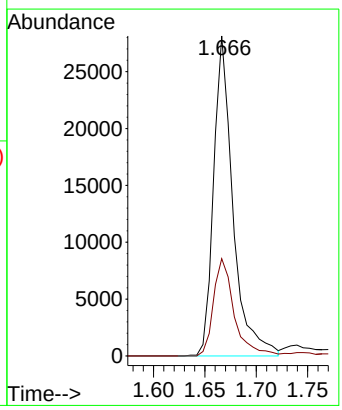
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

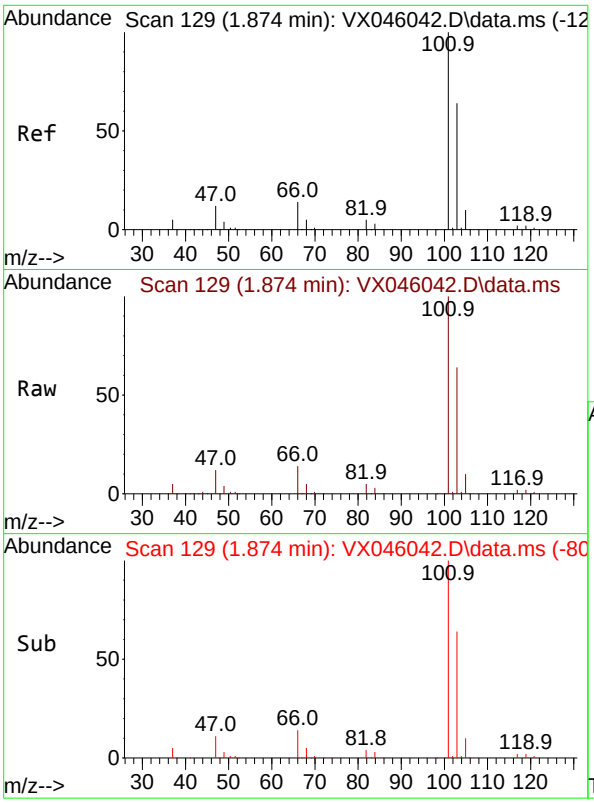


#6
Chloroethane
Concen: 38.558 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 64 Resp: 36722

Ion	Ratio	Lower	Upper
64	100		
66	30.4	24.3	36.5

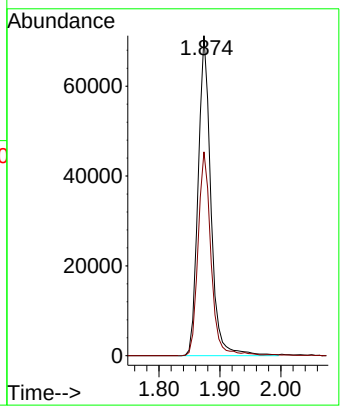




#7
Trichlorofluoromethane
Concen: 36.824 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:101 Resp: 10369

Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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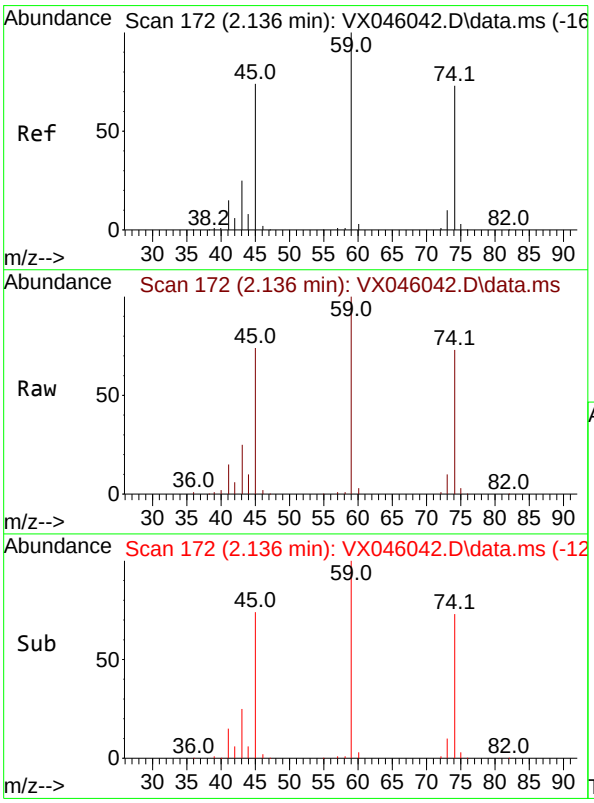
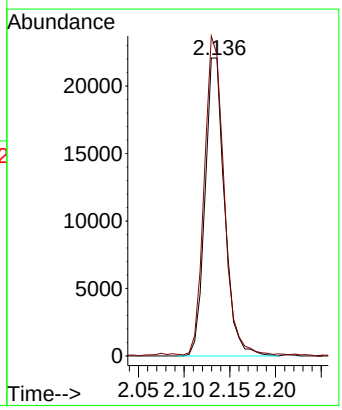
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

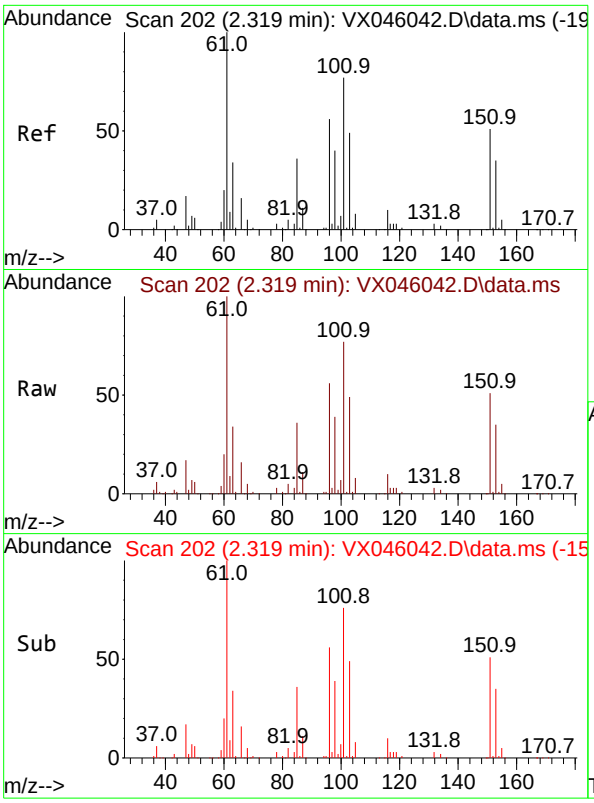


#8
Diethyl Ether
Concen: 35.350 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 74 Resp: 32724

Ion	Ratio	Lower	Upper
74	100		
45	109.9	54.9	164.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 36.997 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

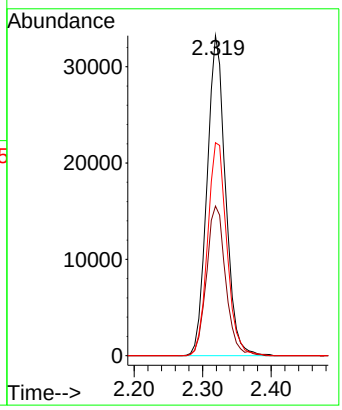
Tgt Ion:101 Resp: 6225

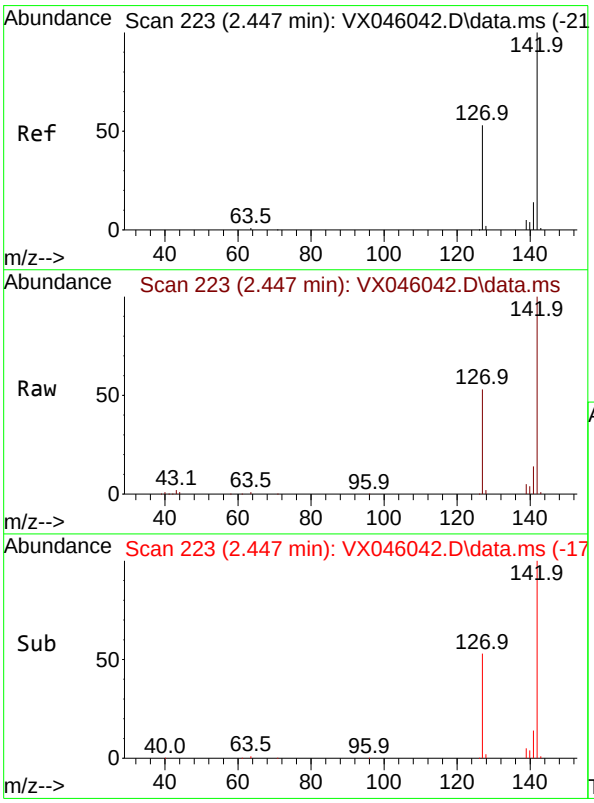
Ion	Ratio	Lower	Upper
101	100		
85	48.3	38.6	58.0
151	69.0	55.2	82.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

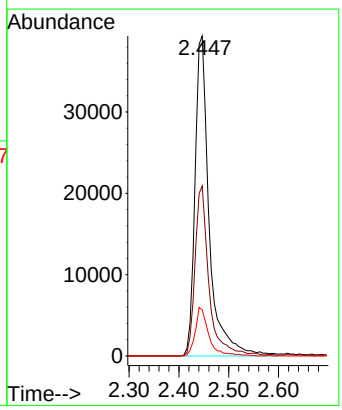


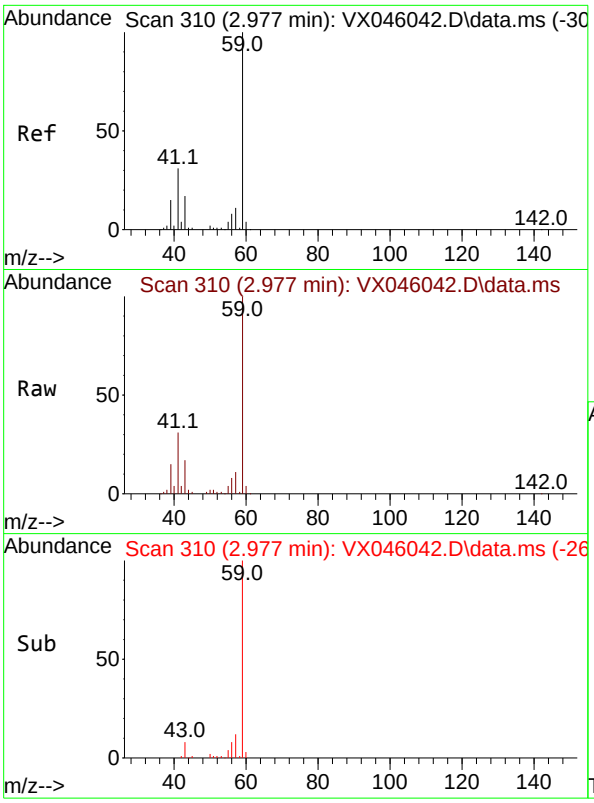


#10
Methyl Iodide
Concen: 39.622 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:142 Resp: 78277

Ion	Ratio	Lower	Upper
142	100		
127	52.1	41.7	62.5
141	14.4	11.5	17.3

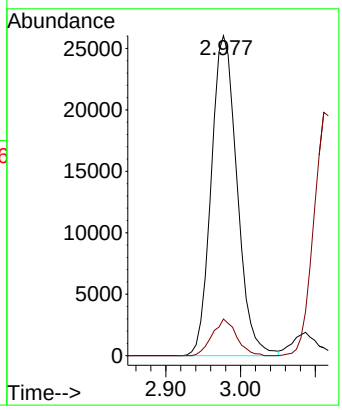




#11
Tert butyl alcohol
Concen: 181.745 ug/l
RT: 2.977 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 59 Resp: 6255

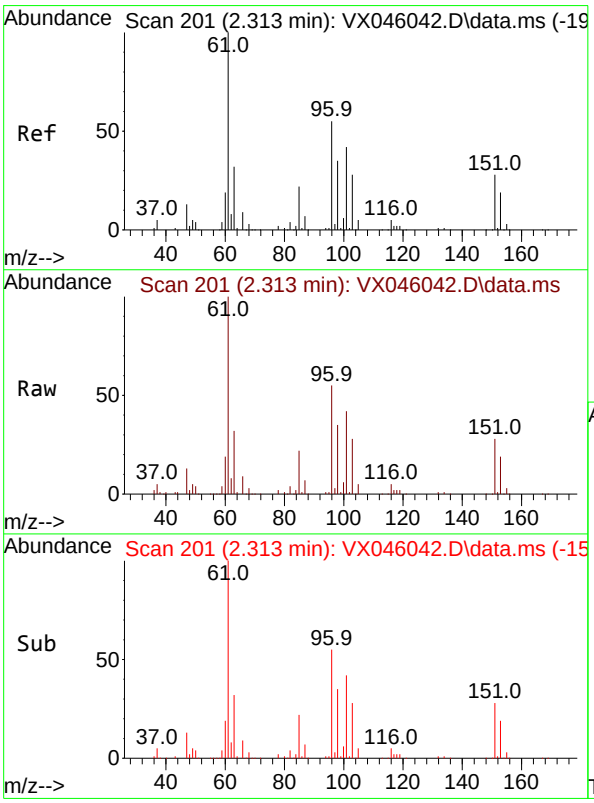
Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

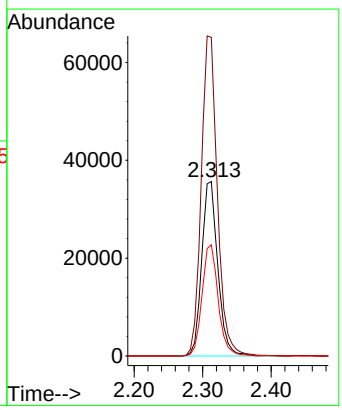
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

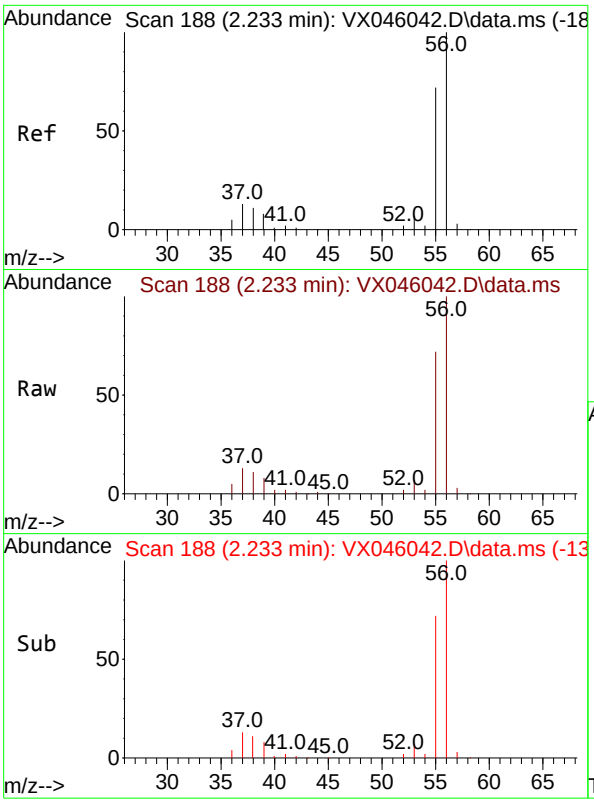


#12
1,1-Dichloroethene
Concen: 35.610 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 96 Resp: 58334

Ion	Ratio	Lower	Upper
96	100		
61	182.7	146.2	219.2
98	63.8	51.0	76.6

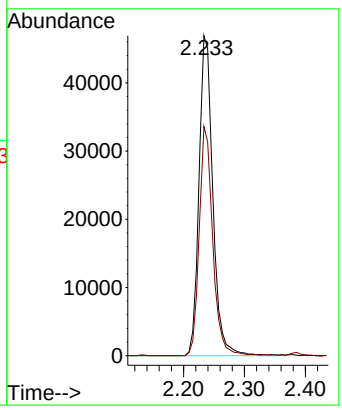




#13
Acrolein
Concen: 184.907 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 56 Resp: 7392

Ion	Ratio	Lower	Upper
56	100		
55	70.3	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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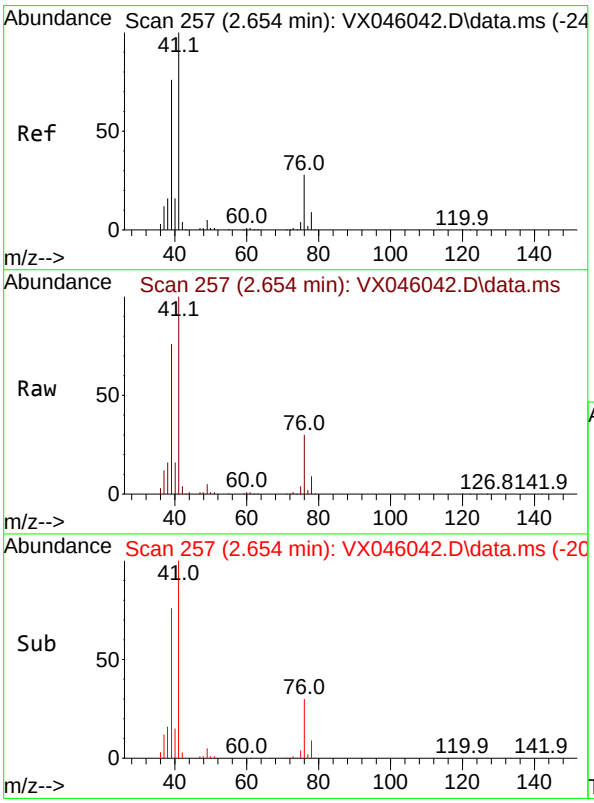
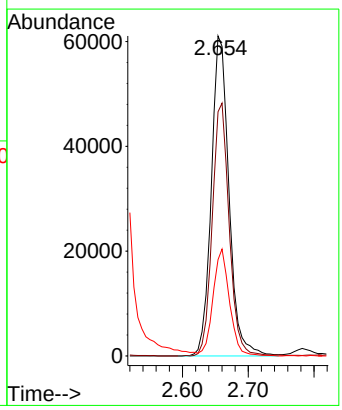
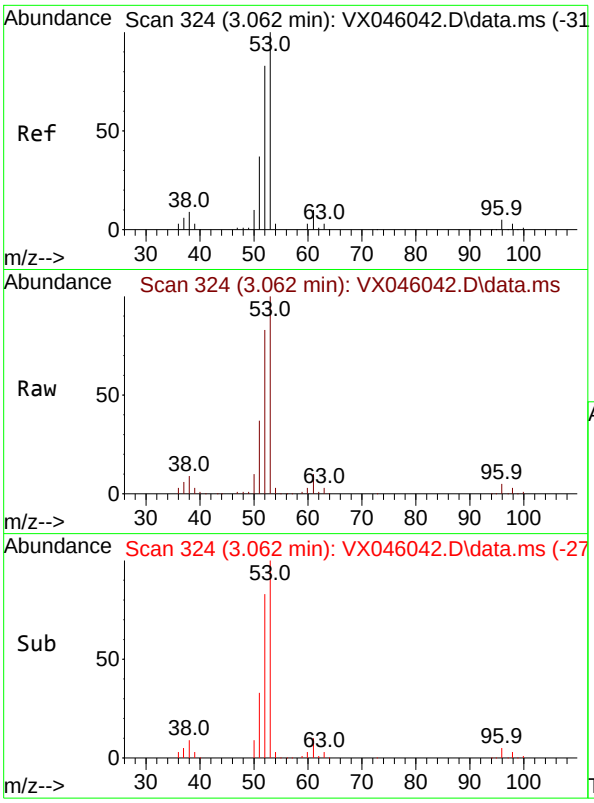


#14
Allyl chloride
Concen: 36.971 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 41 Resp: 114445

Ion	Ratio	Lower	Upper
41	100		
39	75.7	60.6	90.8
76	31.1	24.9	37.3

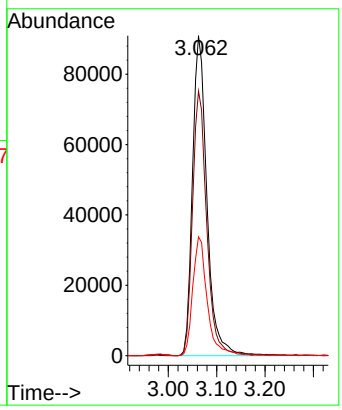




#15
Acrylonitrile
Concen: 182.874 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 53 Resp: 18830

Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.3	97.9
51	37.3	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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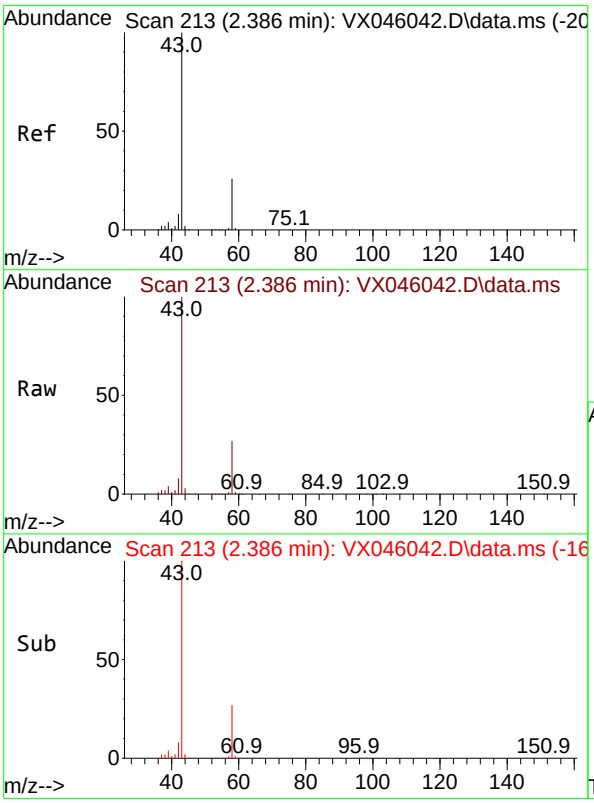
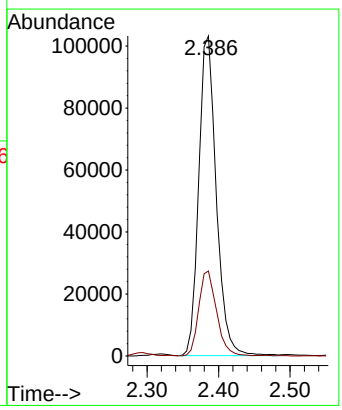
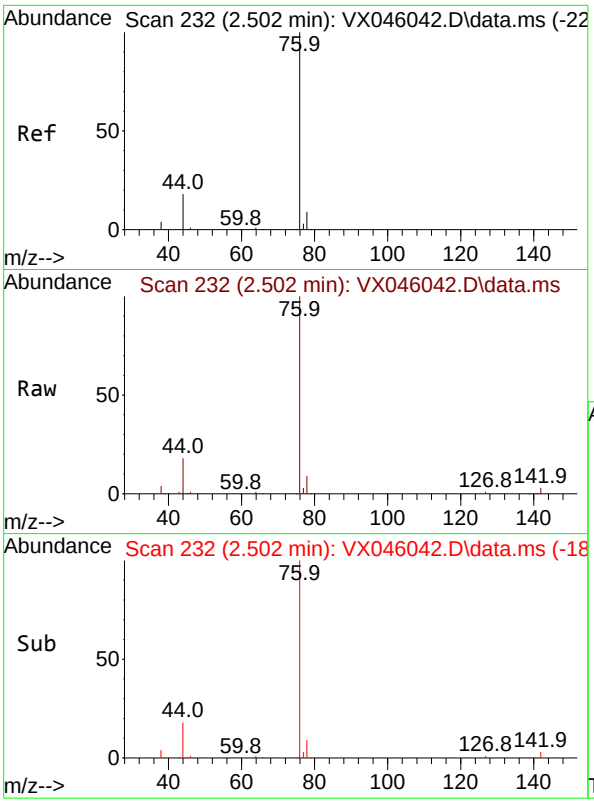


#16
Acetone
Concen: 177.910 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 175777

Ion	Ratio	Lower	Upper
43	100		
58	26.5	21.2	31.8





#17
Carbon Disulfide
Concen: 37.223 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 76 Resp: 14128

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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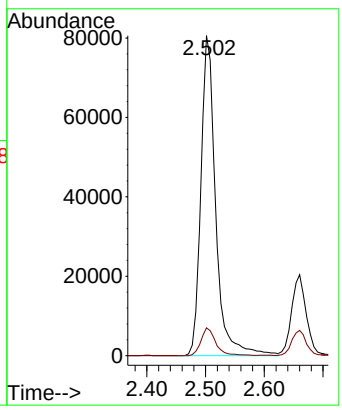
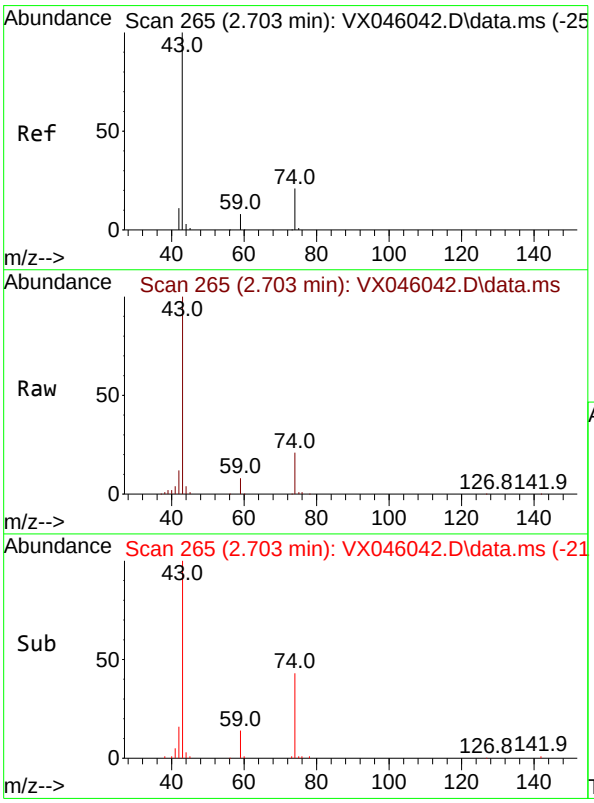
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

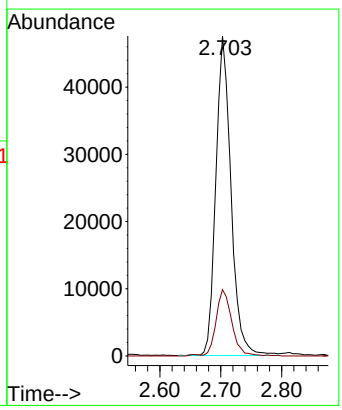


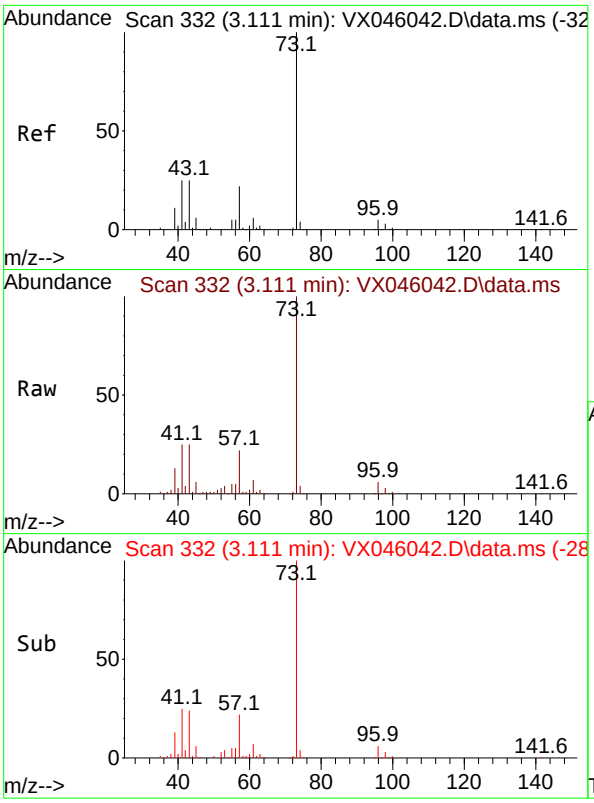


#18
Methyl Acetate
Concen: 34.915 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 82347

Ion	Ratio	Lower	Upper
43	100		
74	20.9	16.7	25.1

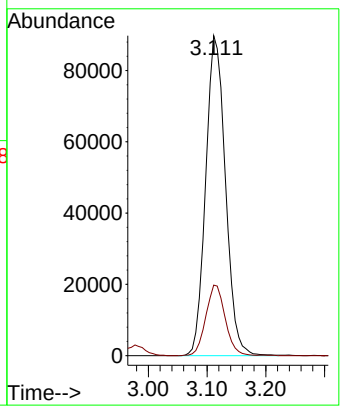




#19
Methyl tert-butyl Ether
Concen: 36.695 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 73 Resp: 20966

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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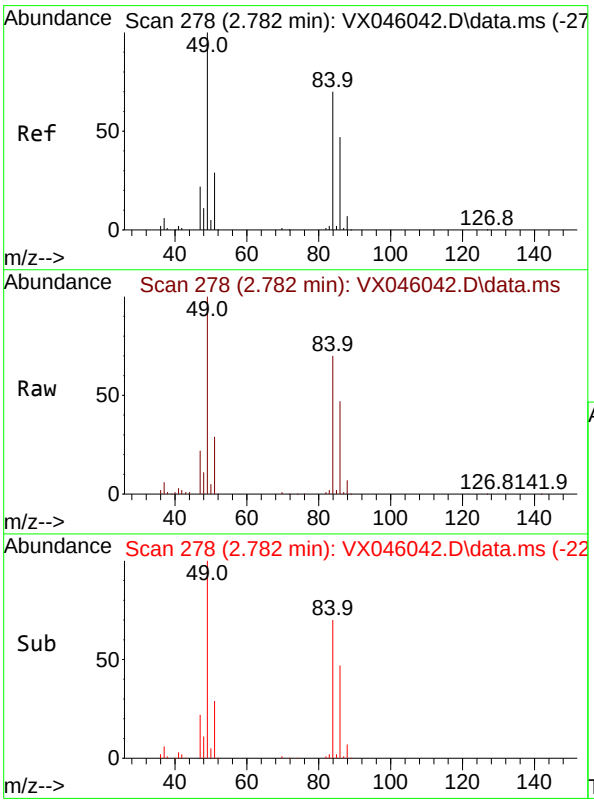
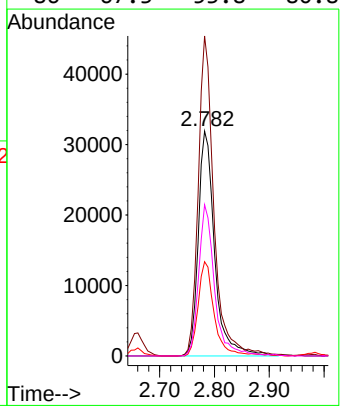
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

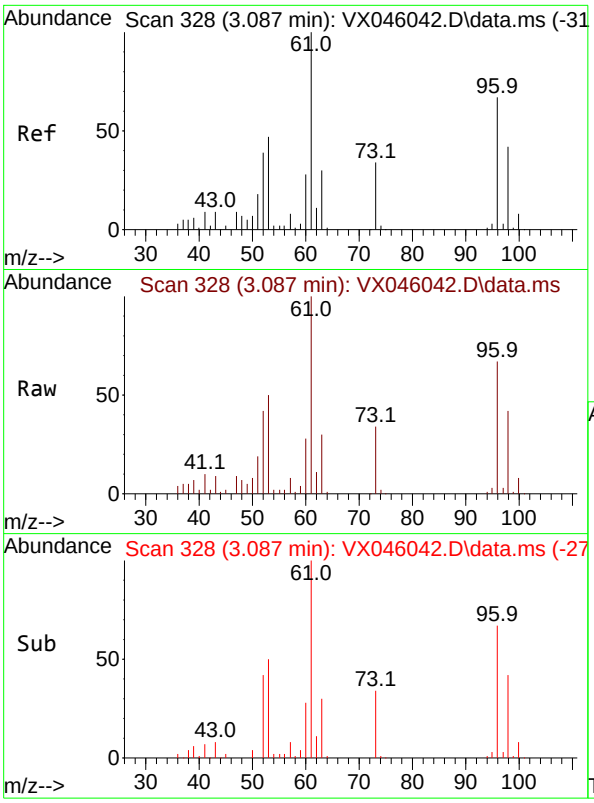


#20
Methylene Chloride
Concen: 33.182 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 84 Resp: 66412

Ion	Ratio	Lower	Upper
84	100		
49	142.4	113.9	170.9
51	41.9	33.5	50.3
86	67.3	53.8	80.8

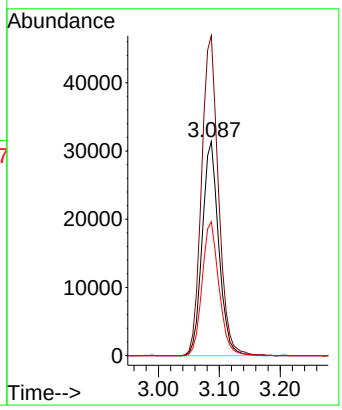




#21
trans-1,2-Dichloroethene
Concen: 35.421 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 96 Resp: 5923

Ion	Ratio	Lower	Upper
96	100		
61	149.4	119.5	179.3
98	62.5	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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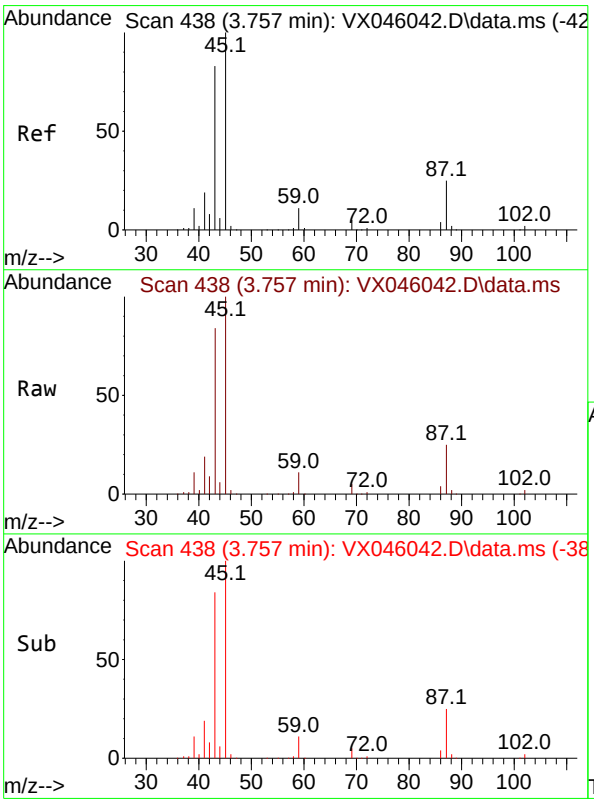
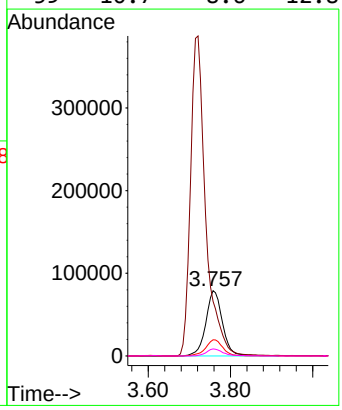
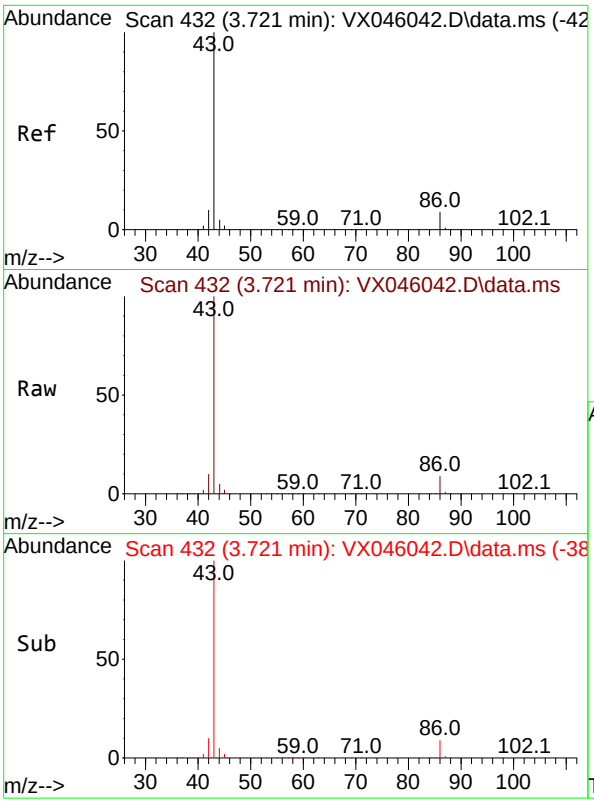


#22
Diisopropyl ether
Concen: 38.241 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 45 Resp: 221172

Ion	Ratio	Lower	Upper
45	100		
43	83.3	66.6	100.0
87	24.7	19.8	29.6
59	10.7	8.6	12.8





#23
Vinyl Acetate
Concen: 194.528 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 99423

Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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Reviewed By :John Carlone 05/06/2025
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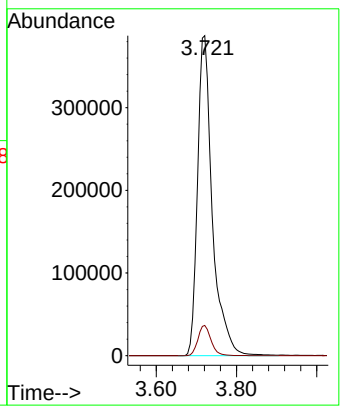
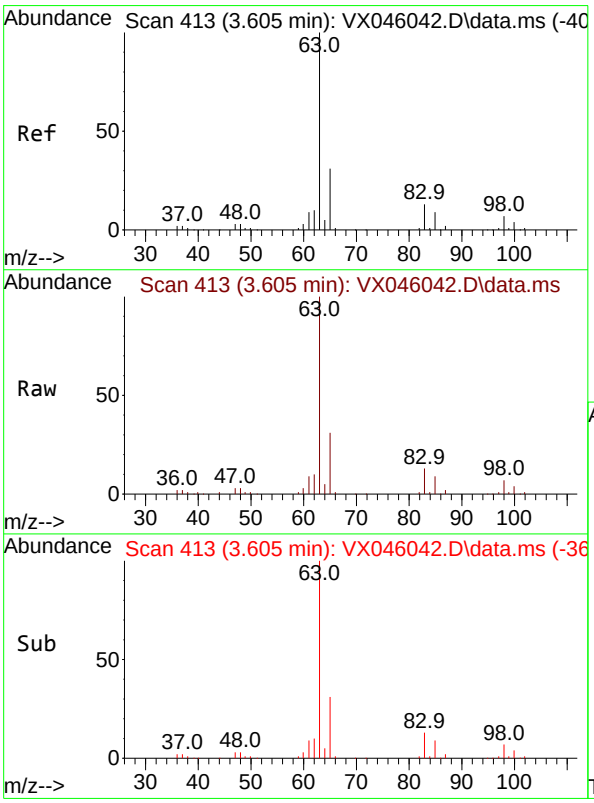
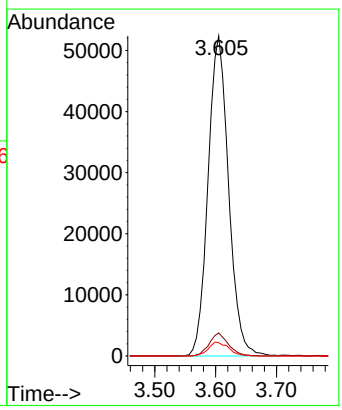


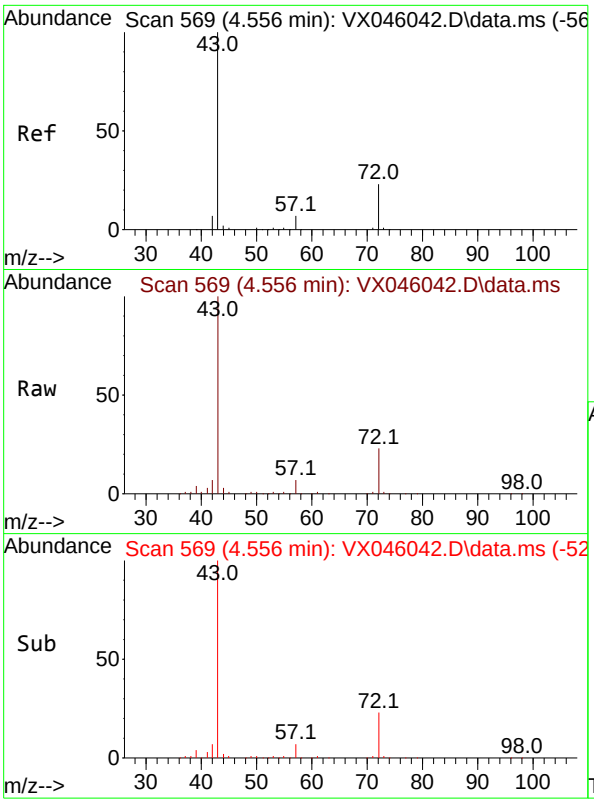


#24
1,1-Dichloroethane
Concen: 36.067 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 63 Resp: 122601

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.6	10.8
100	4.2	2.1	6.3





#25
2-Butanone
Concen: 188.783 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 26922

Ion	Ratio	Lower	Upper
43	100		
72	23.0	18.4	27.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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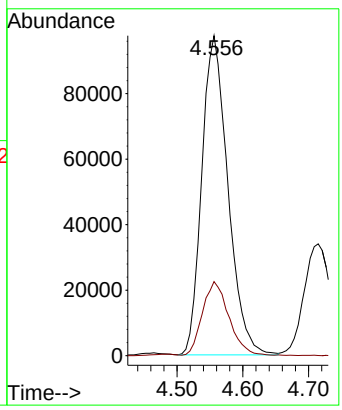
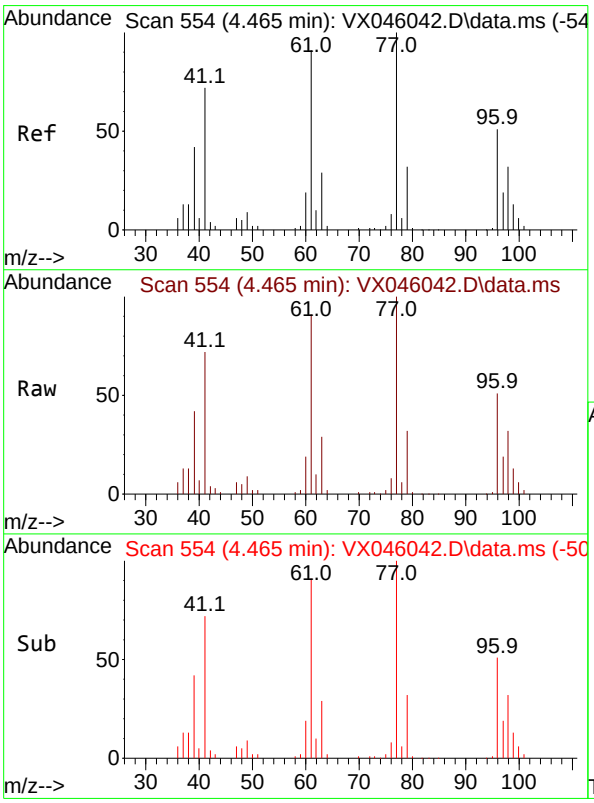
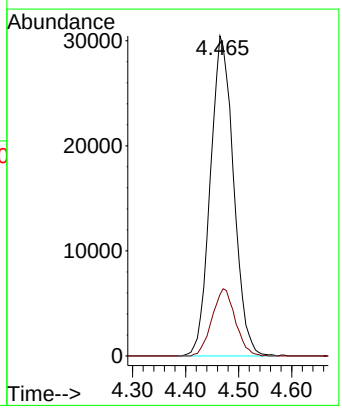


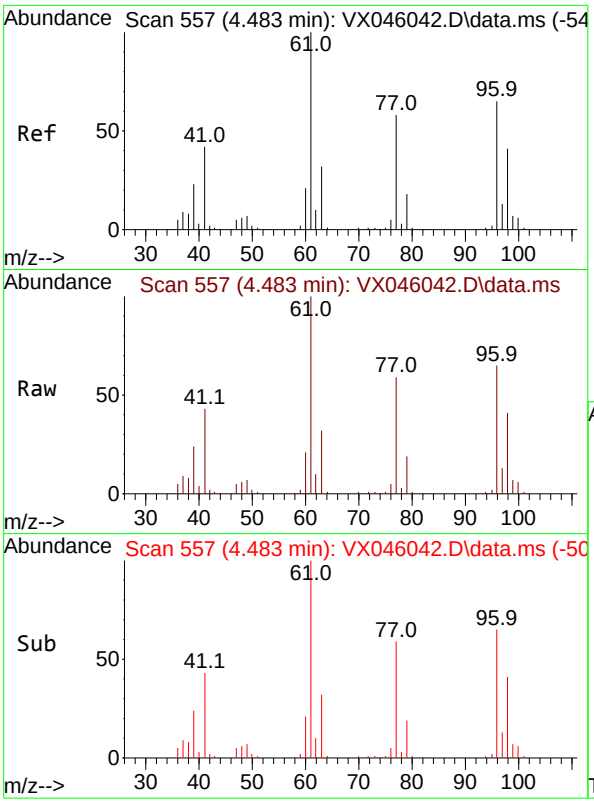


#26
2,2-Dichloropropane
Concen: 36.059 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 77 Resp: 92857

Ion	Ratio	Lower	Upper
77	100		
97	21.0	10.5	31.5





#27
cis-1,2-Dichloroethene
Concen: 35.466 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 96 Resp: 7151

Ion	Ratio	Lower	Upper
96	100		
61	161.4	0.0	322.8
98	64.5	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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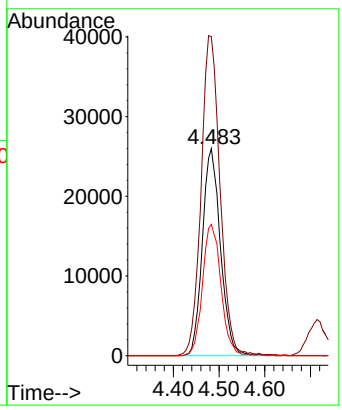
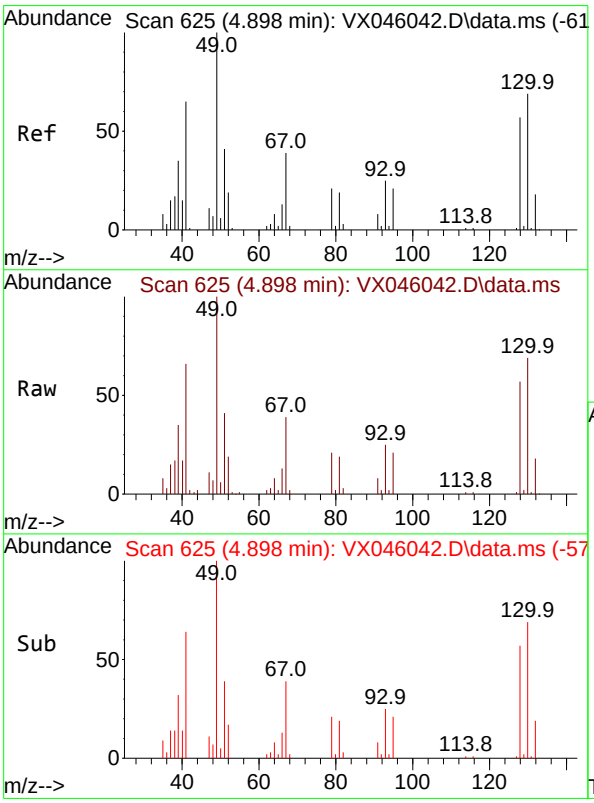
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

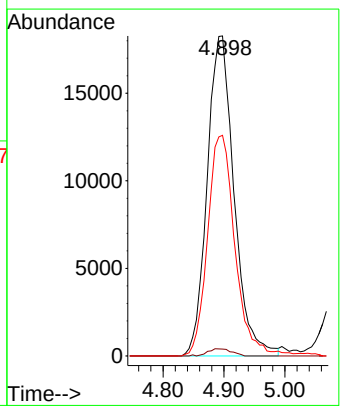


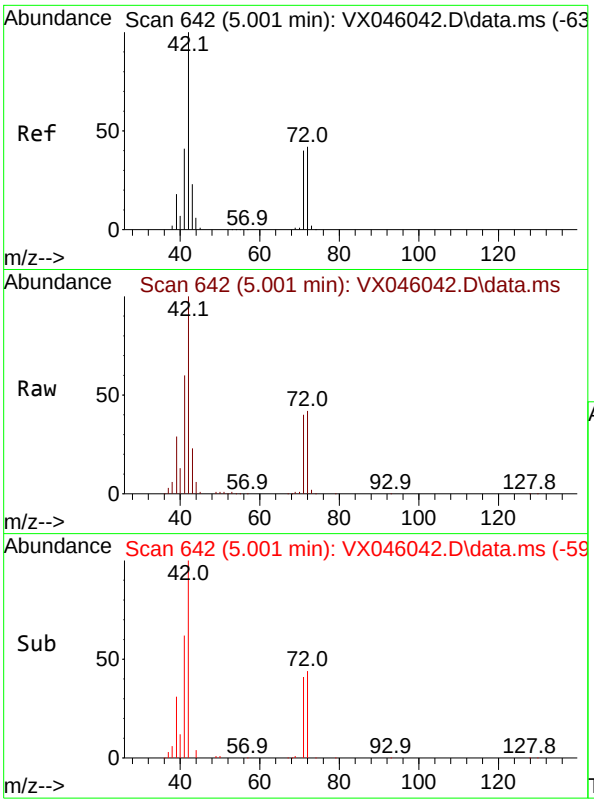


#28
Bromochloromethane
Concen: 31.031 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 49 Resp: 56091

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	70.2	56.2	84.2





#29
Tetrahydrofuran
Concen: 183.679 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 42 Resp: 17012

Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.7	50.5
71	39.3	31.4	47.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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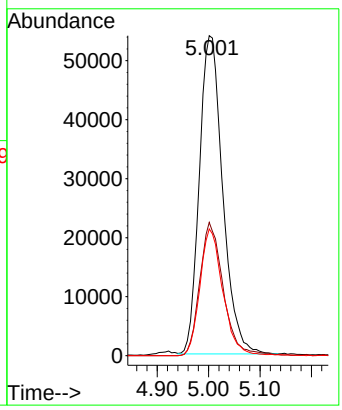
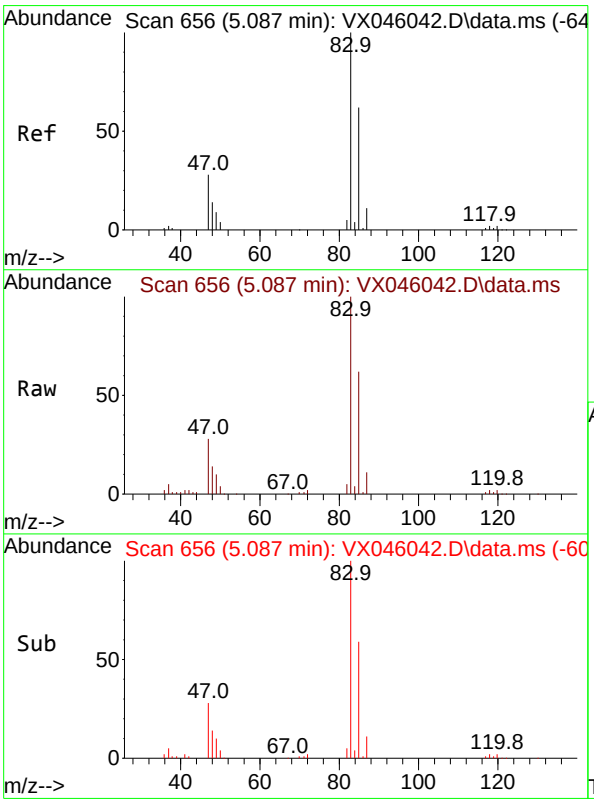
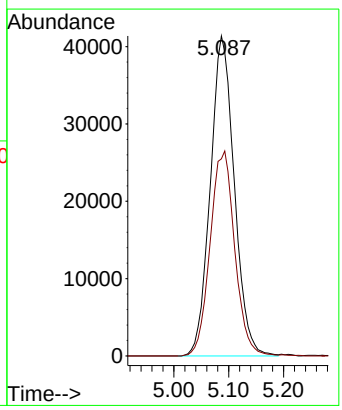


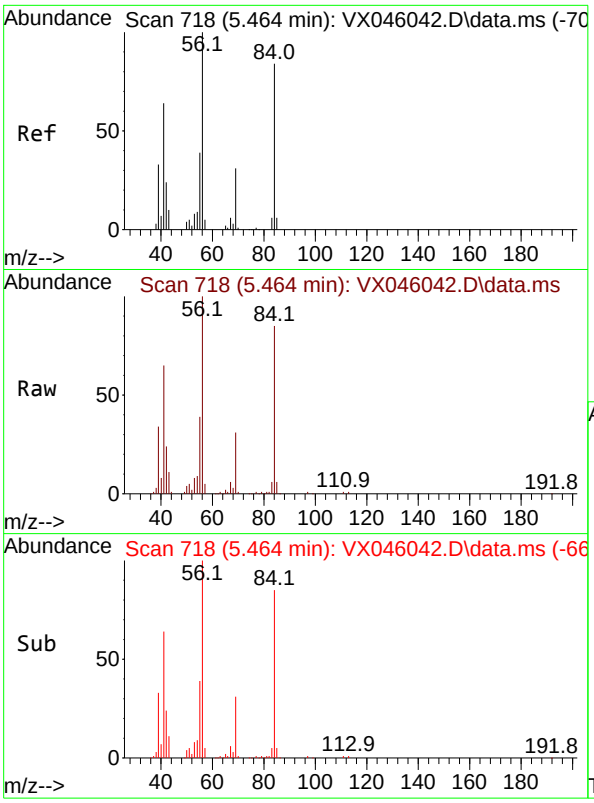


#30
Chloroform
Concen: 35.626 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 83 Resp: 125850

Ion	Ratio	Lower	Upper
83	100		
85	61.6	49.3	73.9

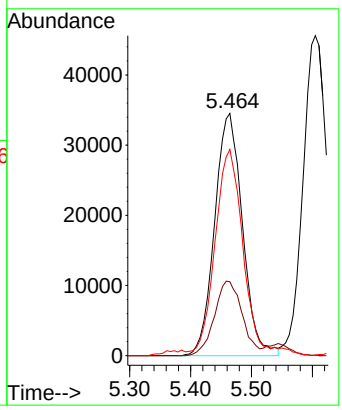




#31
Cyclohexane
Concen: 38.205 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 56 Resp: 10945

Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.4	36.6
84	83.6	66.9	100.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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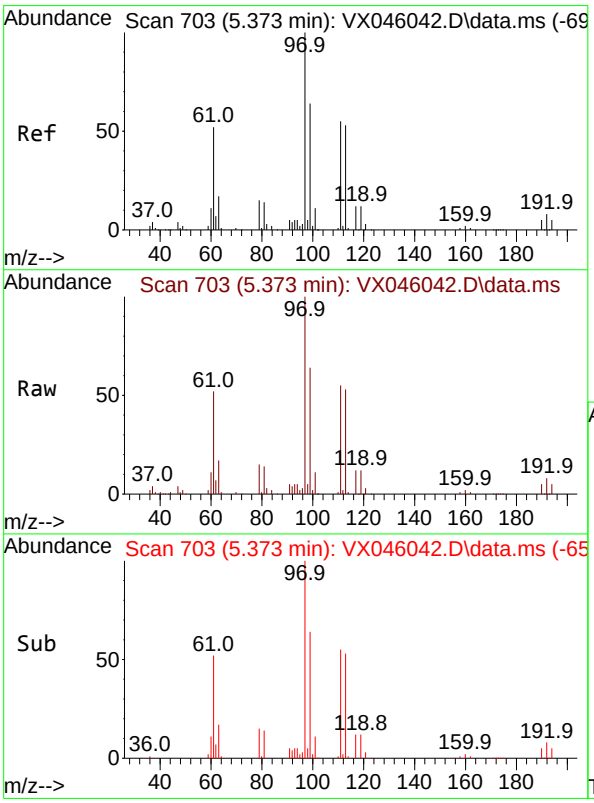
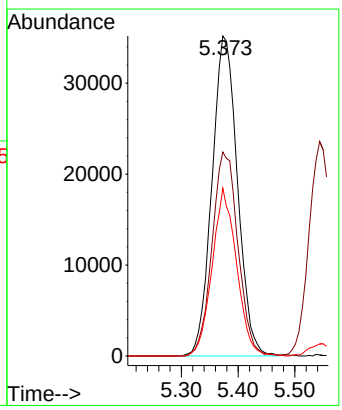
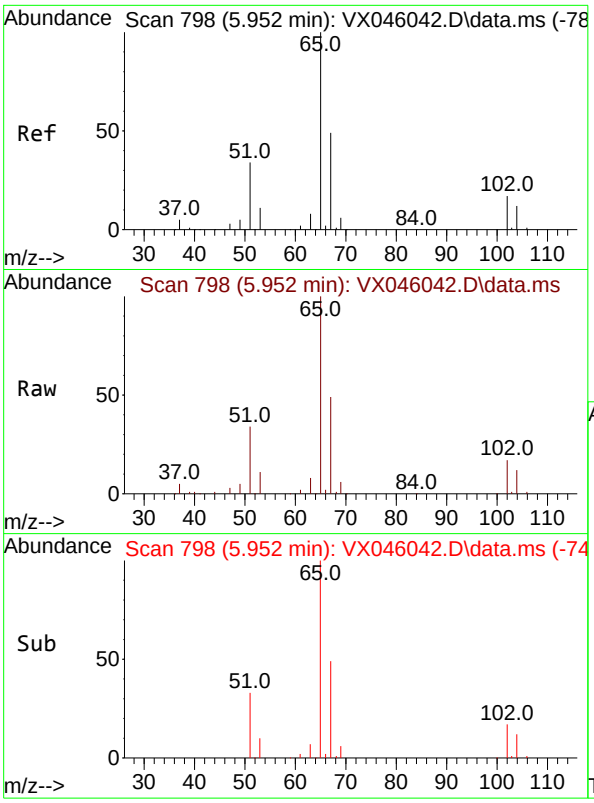


#32
1,1,1-Trichloroethane
Concen: 36.034 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 97 Resp: 109781

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.6
61	50.1	40.1	60.1

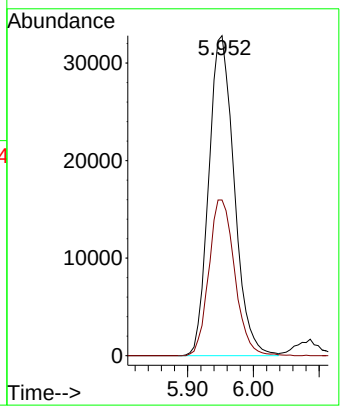




#33
1,2-Dichloroethane-d4
Concen: 30.601 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 65 Resp: 8837

Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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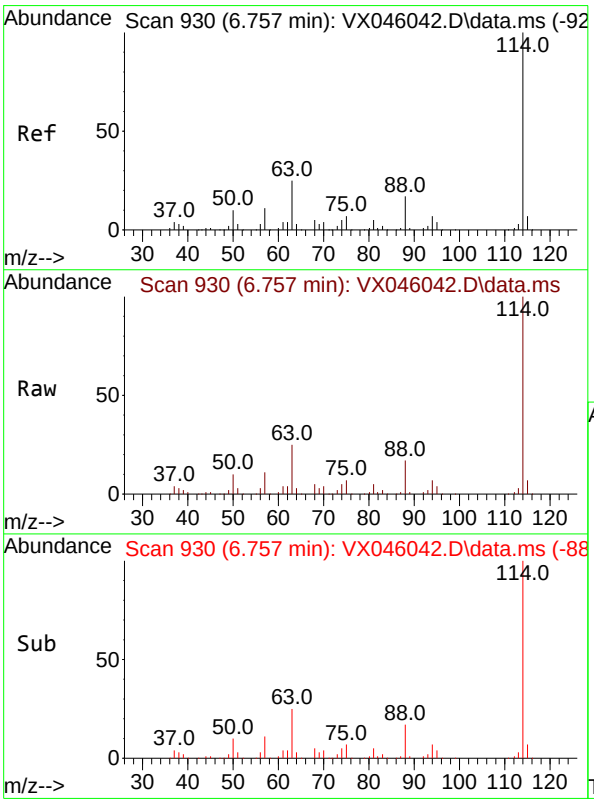
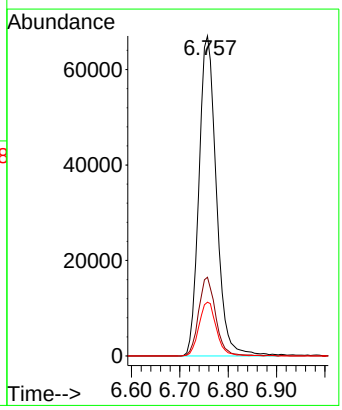
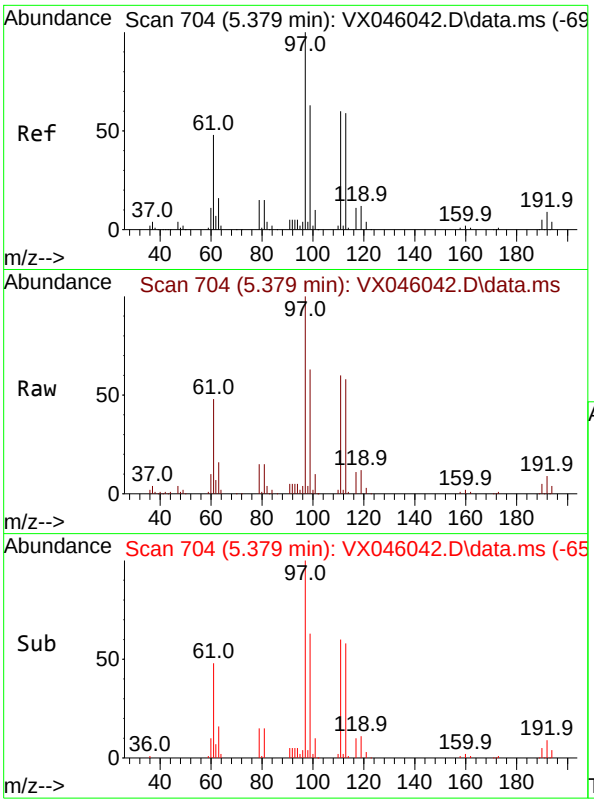


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:114 Resp: 167947

Ion	Ratio	Lower	Upper
114	100		
63	24.6	0.0	49.2
88	16.8	0.0	33.6

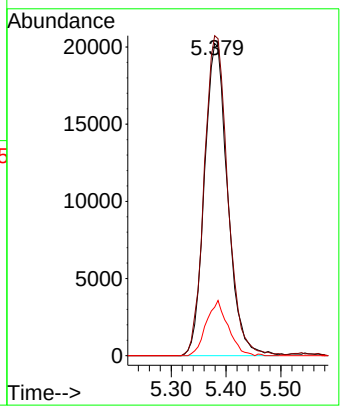




#35
Dibromofluoromethane
Concen: 31.633 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:113 Resp: 5955

Ion	Ratio	Lower	Upper
113	100		
111	103.9	83.1	124.7
192	16.6	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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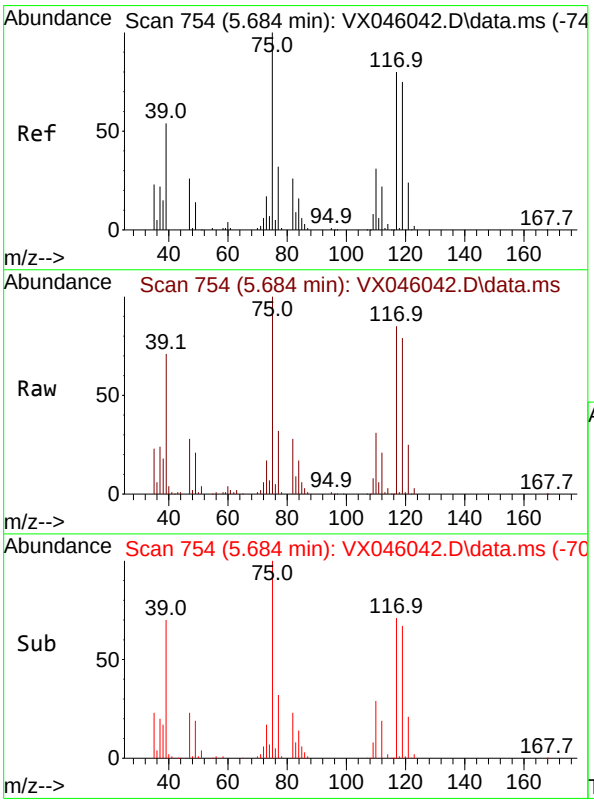
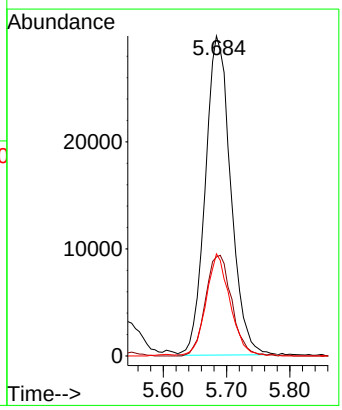
Supervised By :Mahesh Dadoda 05/06/2025

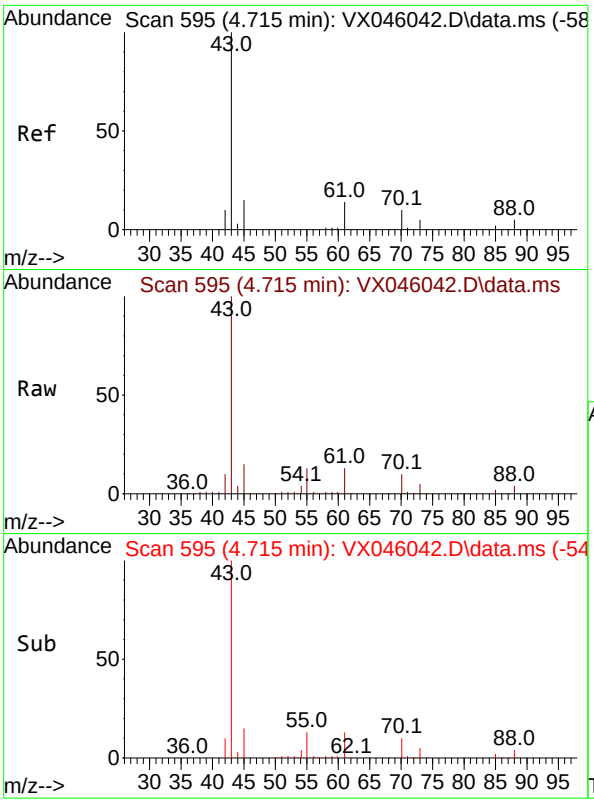


#36
1,1-Dichloropropene
Concen: 38.073 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 75 Resp: 83215

Ion	Ratio	Lower	Upper
75	100		
110	32.6	16.3	48.9
77	30.4	24.3	36.5

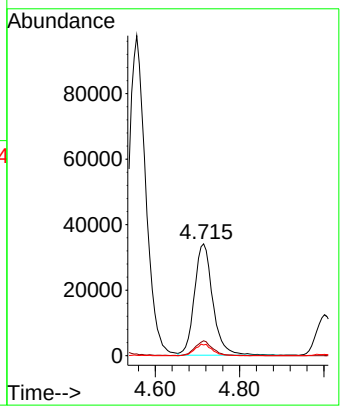




#37
Ethyl Acetate
Concen: 37.394 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 10253

Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.3	15.5
70	9.9	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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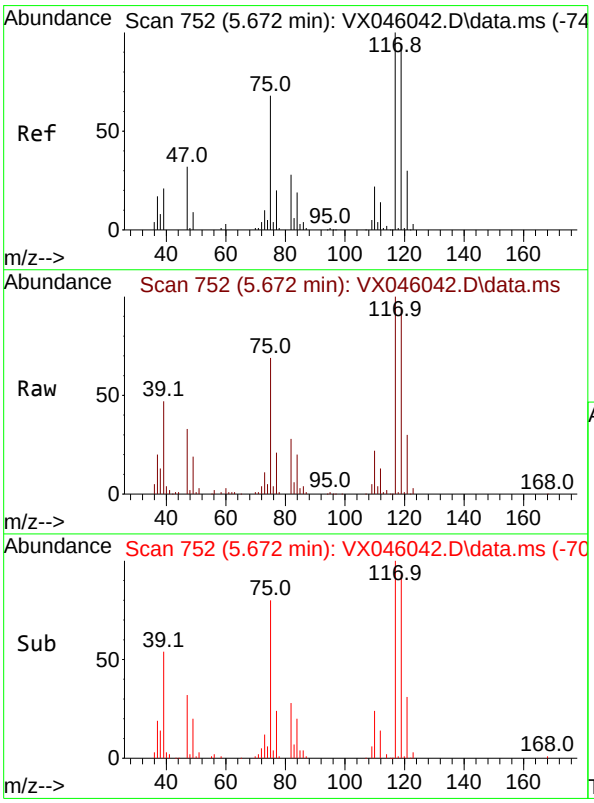
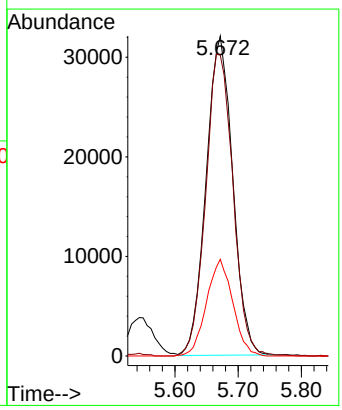
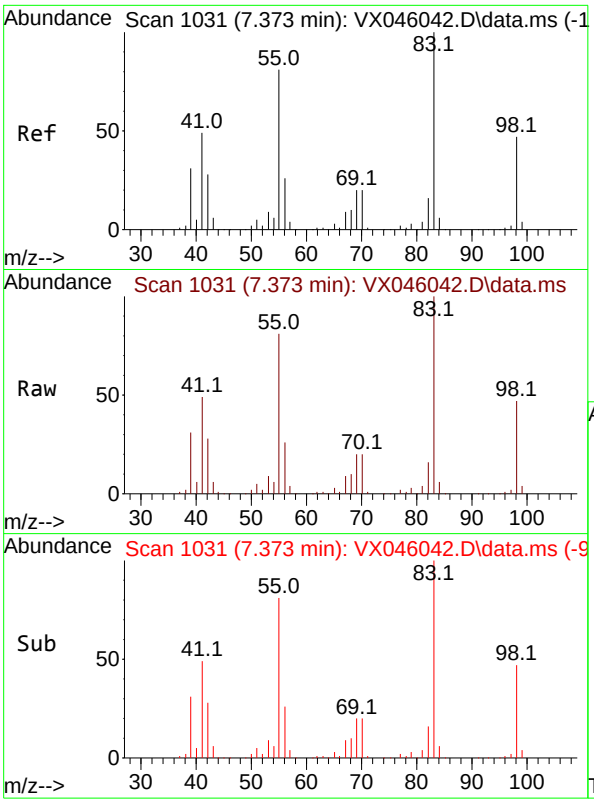


#38
Carbon Tetrachloride
Concen: 37.320 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:117 Resp: 93712

Ion	Ratio	Lower	Upper
117	100		
119	94.0	75.2	112.8
121	30.3	24.2	36.4





#39
Methylcyclohexane
Concen: 39.307 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 83 Resp: 10765

Ion	Ratio	Lower	Upper
83	100		
55	80.9	64.7	97.1
98	46.8	37.4	56.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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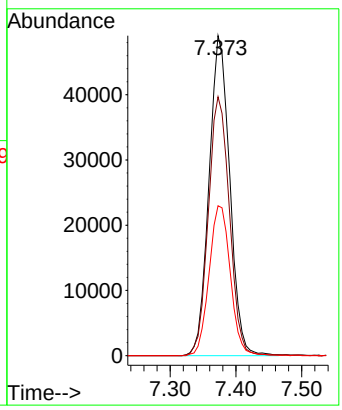
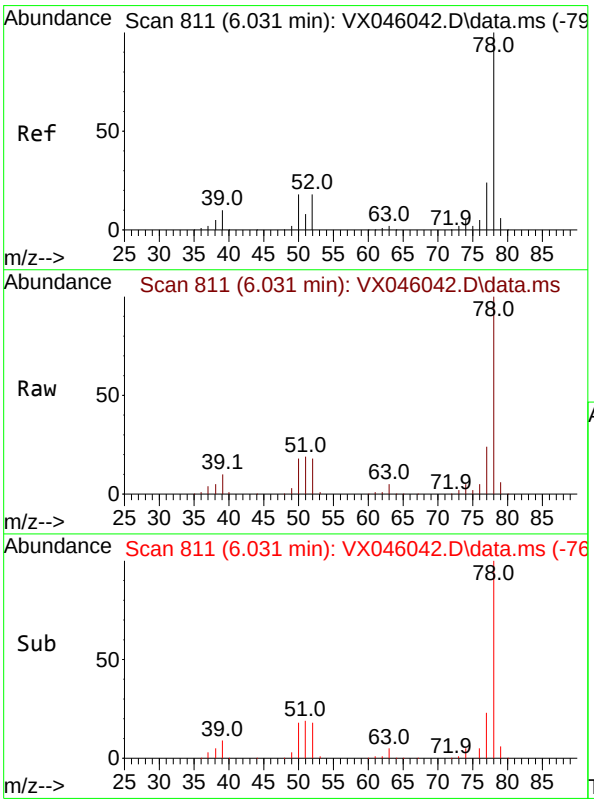
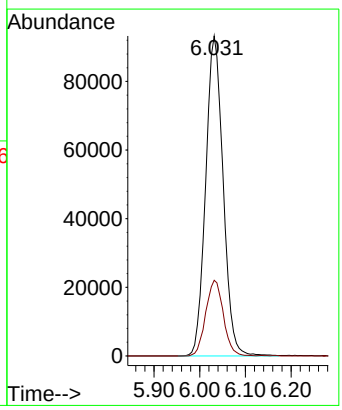


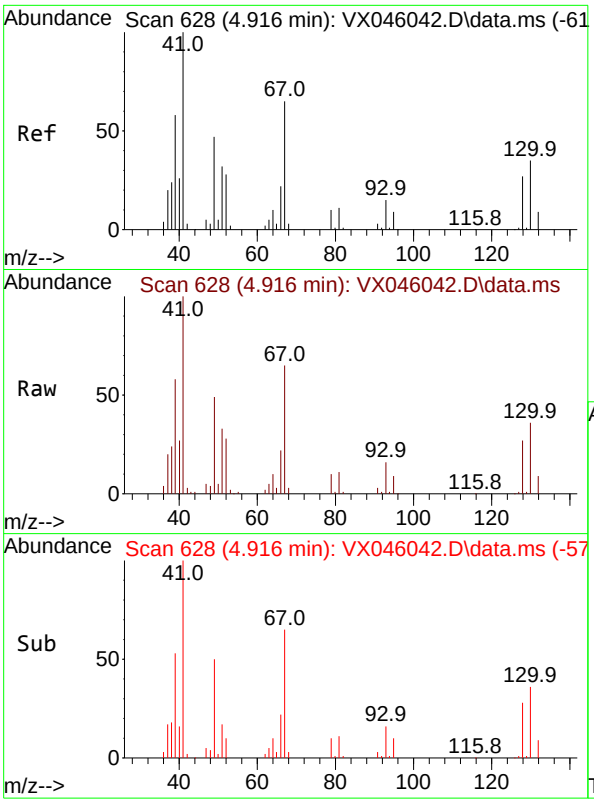


#40
Benzene
Concen: 36.530 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 78 Resp: 247476

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4

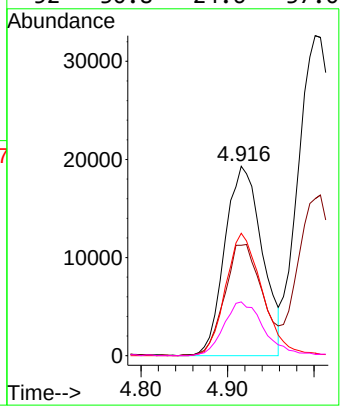




#41
Methacrylonitrile
Concen: 38.123 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 41 Resp: 5808

Ion	Ratio	Lower	Upper
41	100		
39	59.0	47.2	70.8
67	63.4	50.7	76.1
52	30.8	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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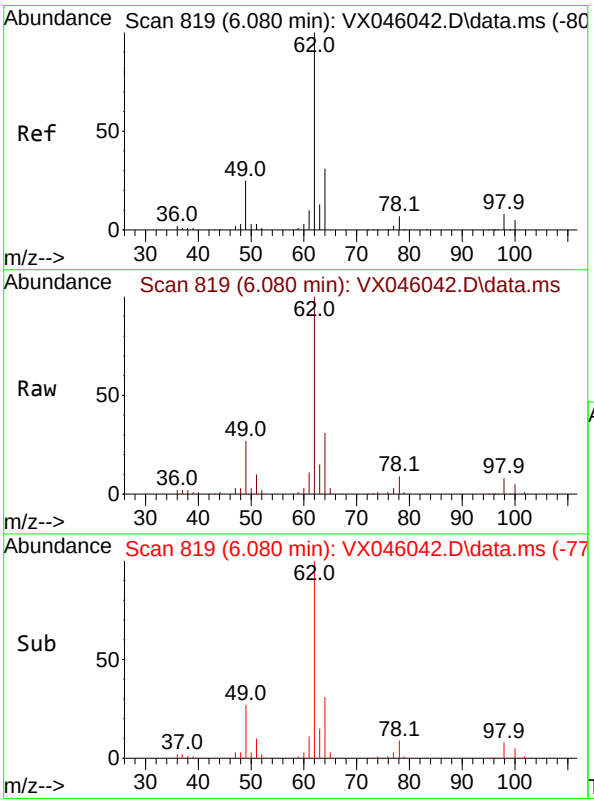
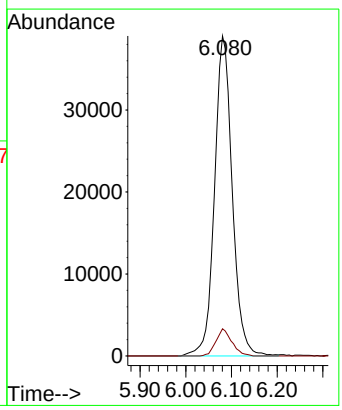
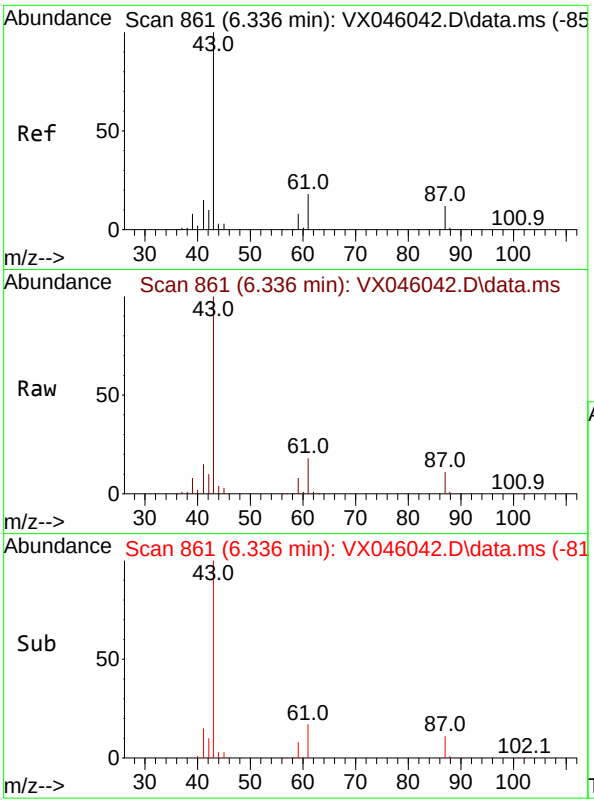


#42
1,2-Dichloroethane
Concen: 37.605 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 62 Resp: 105332

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.2

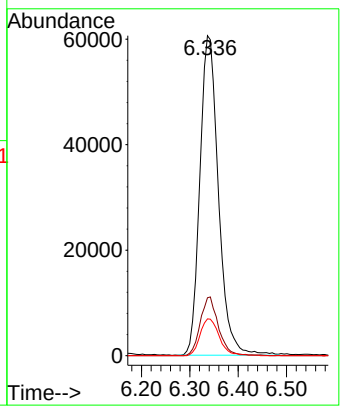




#43
Isopropyl Acetate
Concen: 38.598 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 16178

Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.3	21.5
87	11.9	9.5	14.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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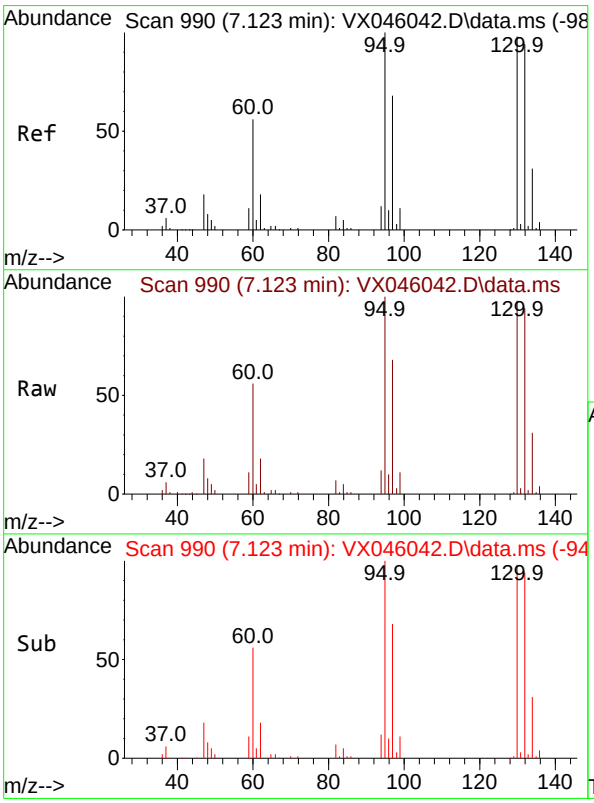
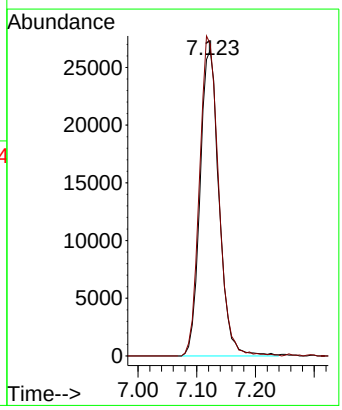
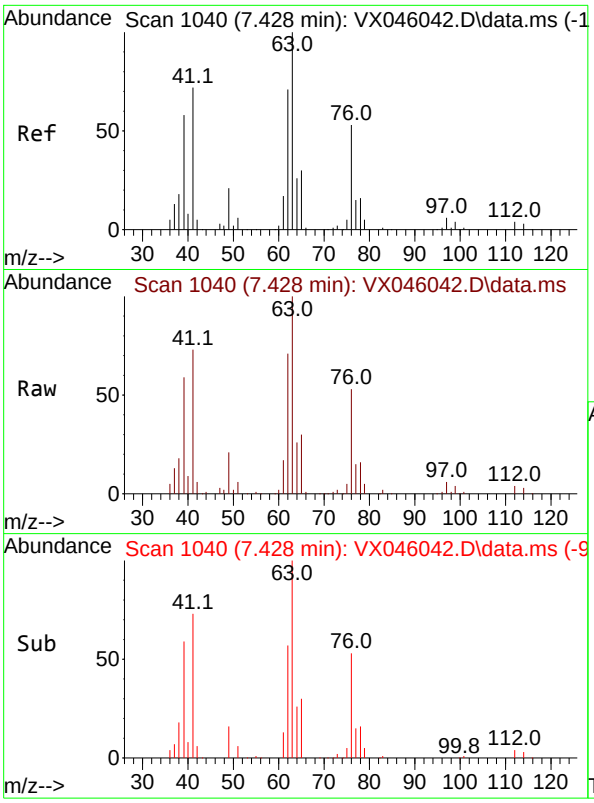


#44
Trichloroethene
Concen: 37.230 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:130 Resp: 59623

Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	204.2





#45
1,2-Dichloropropane
Concen: 37.064 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 63 Resp: 6238

Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.1	36.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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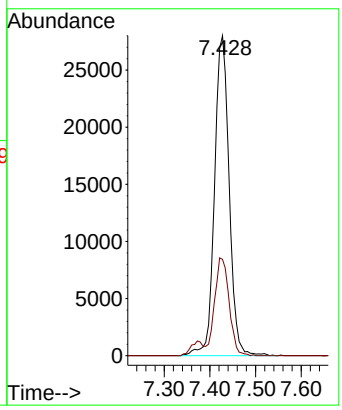
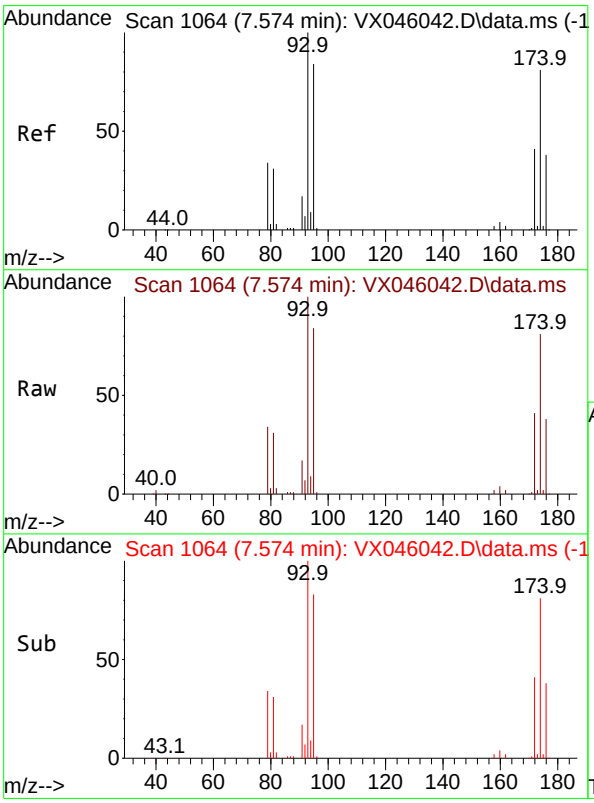
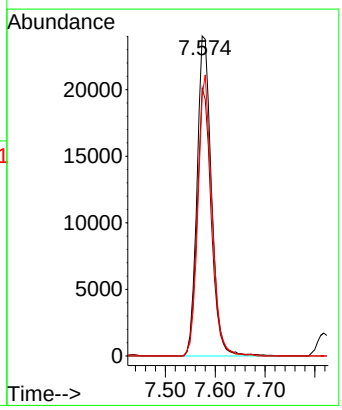


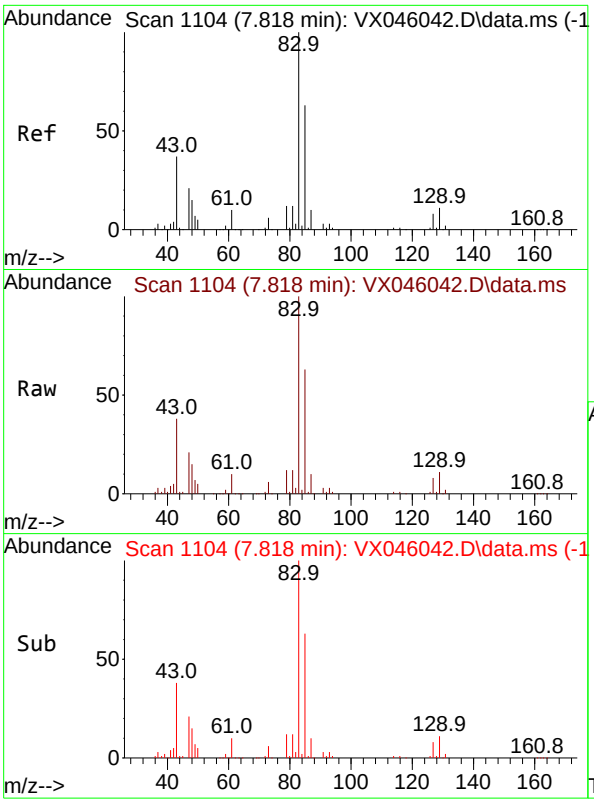


#46
Dibromomethane
Concen: 36.326 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 93 Resp: 48201

Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.6	98.4
174	85.2	68.2	102.2

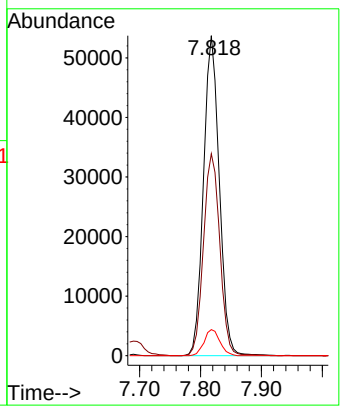




#47
Bromodichloromethane
Concen: 37.685 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 83 Resp: 9691

Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.5	75.7
127	8.1	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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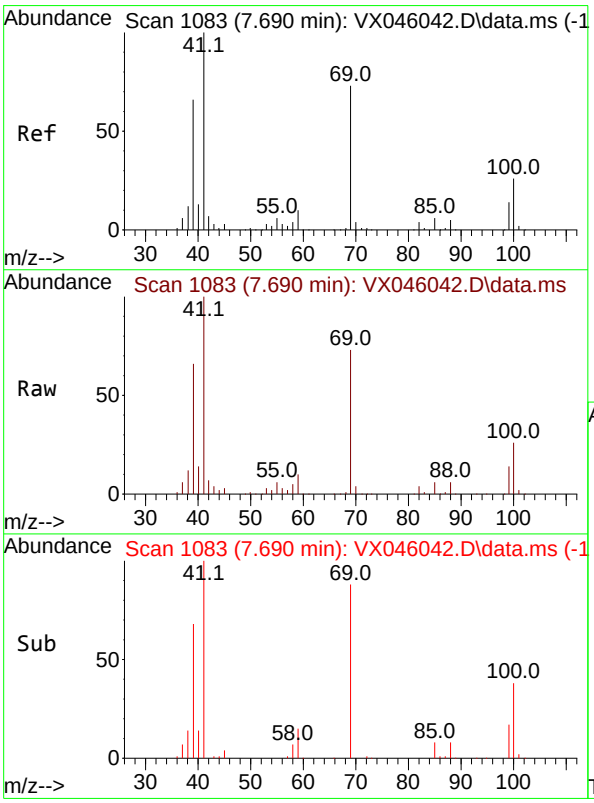
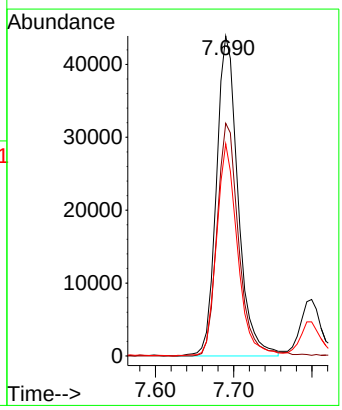
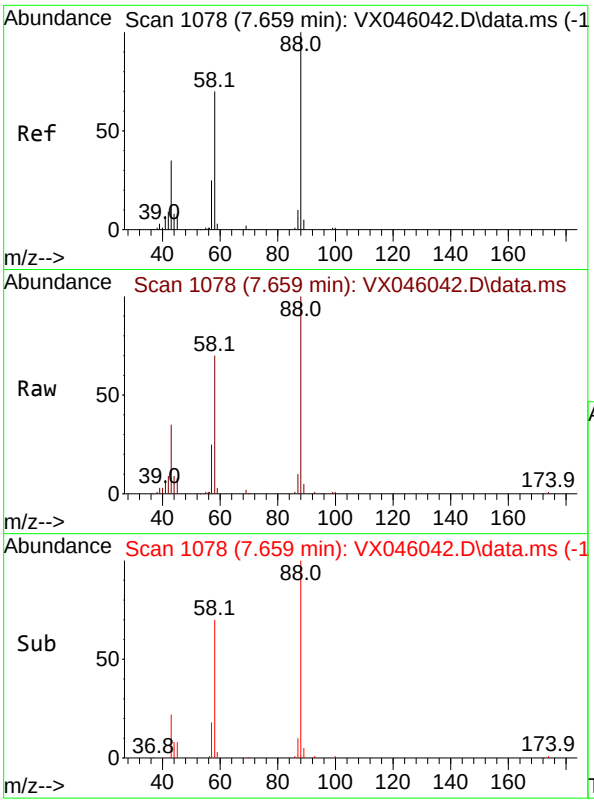


#48
Methyl methacrylate
Concen: 39.157 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 41 Resp: 84277

Ion	Ratio	Lower	Upper
41	100		
69	73.1	58.5	87.7
39	64.6	51.7	77.5

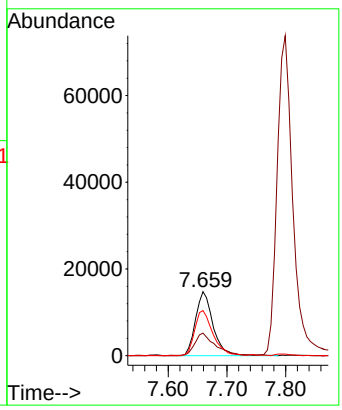




#49
1,4-Dioxane
Concen: 713.477 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 88 Resp: 3052

Ion	Ratio	Lower	Upper
88	100		
43	41.8	33.4	50.2
58	73.3	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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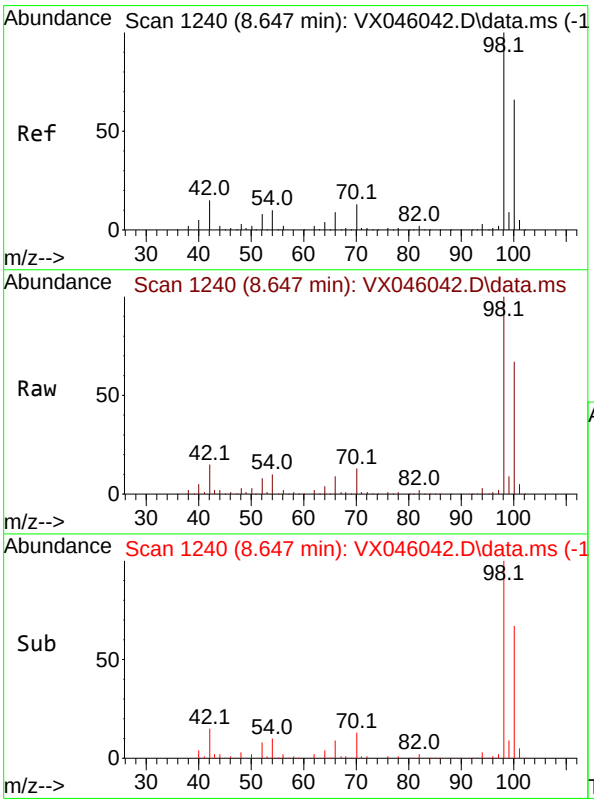
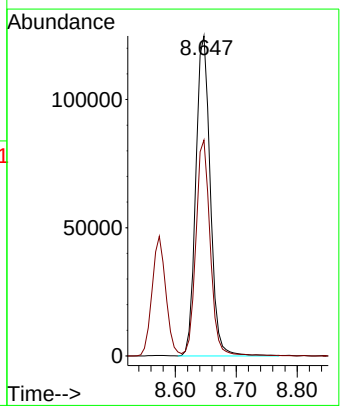
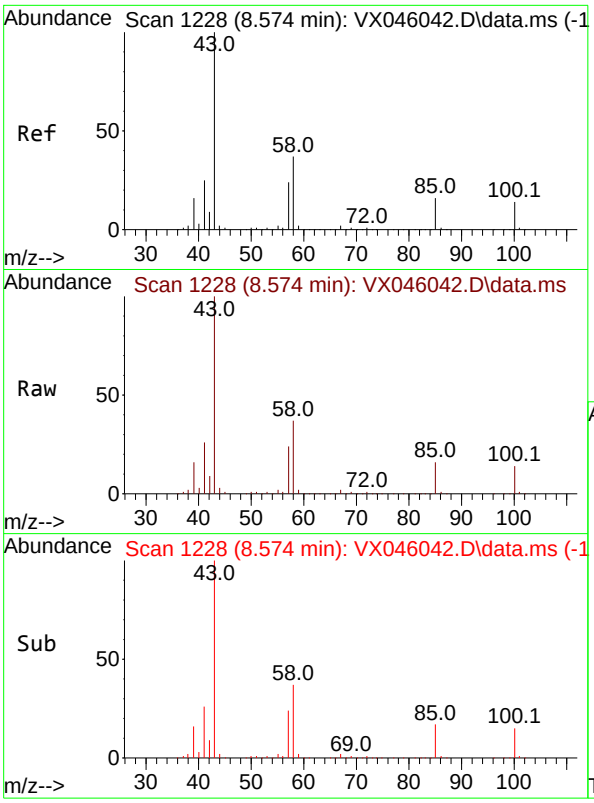


#50
Toluene-d8
Concen: 32.395 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 98 Resp: 205479

Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.5	80.3

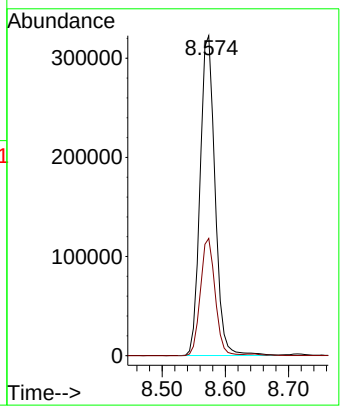




#51
4-Methyl-2-Pentanone
Concen: 193.653 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 53238

Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.9	43.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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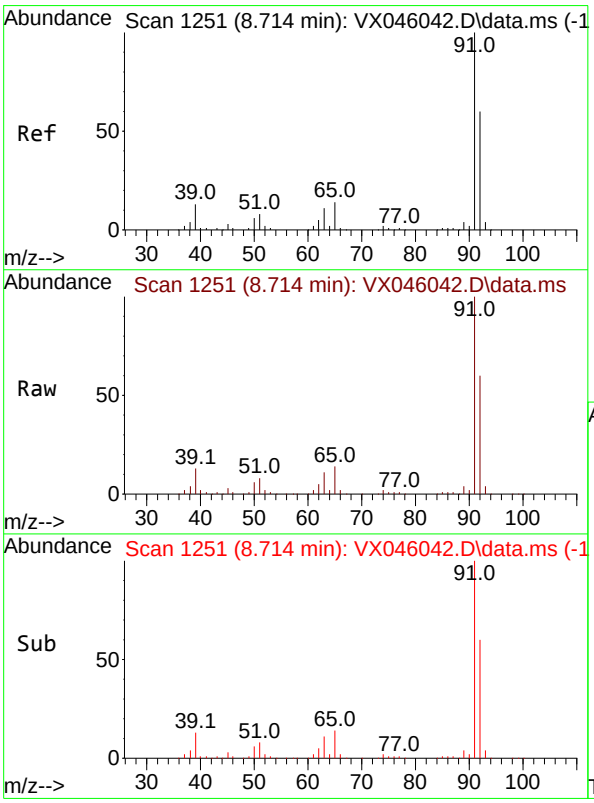
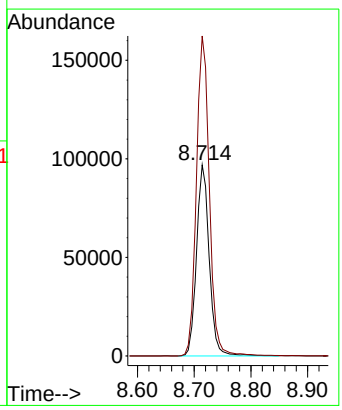
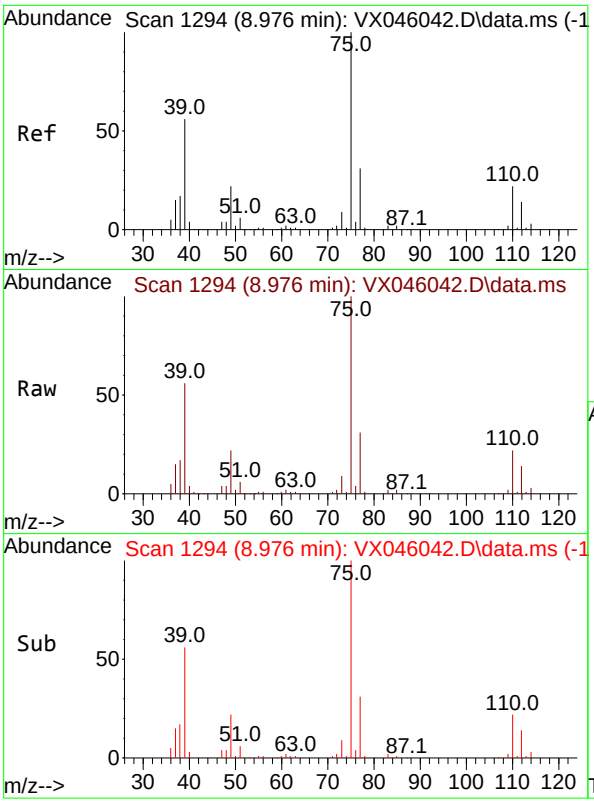


#52
Toluene
Concen: 37.530 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 92 Resp: 150757

Ion	Ratio	Lower	Upper
92	100		
91	170.8	136.6	205.0

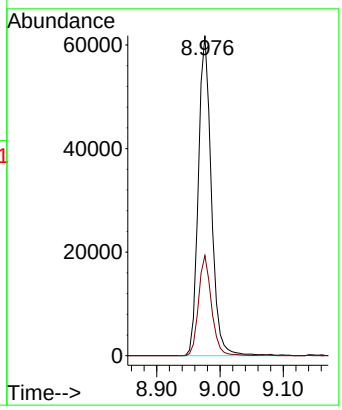




#53
t-1,3-Dichloropropene
Concen: 41.056 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 75 Resp: 8865

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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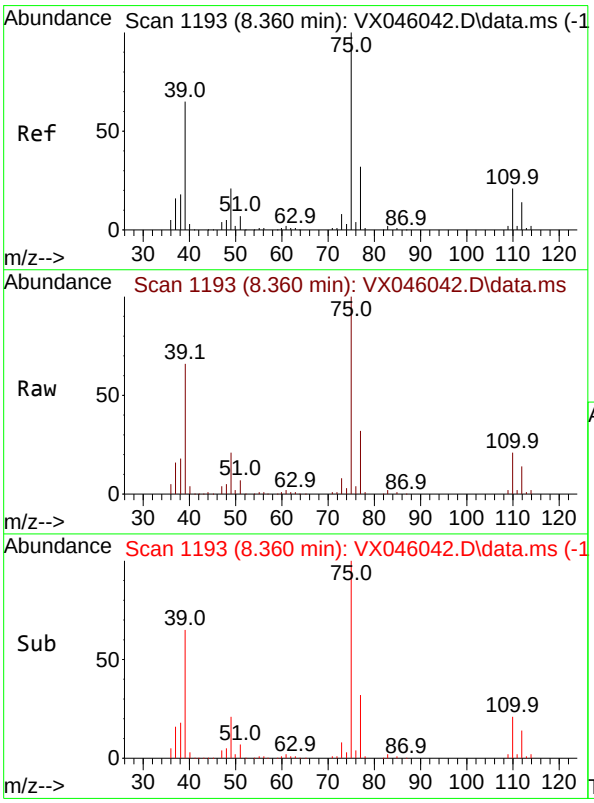
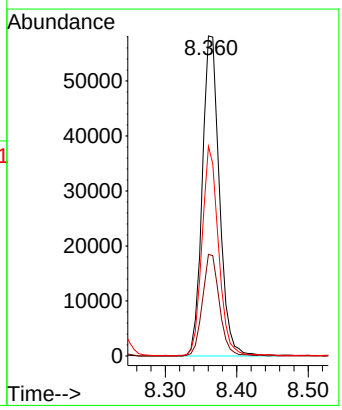
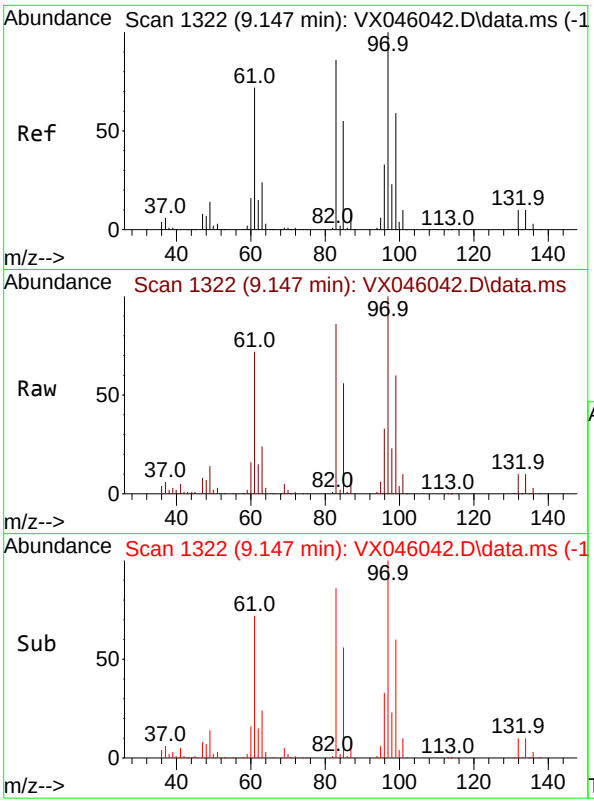


#54
cis-1,3-Dichloropropene
Concen: 38.521 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 75 Resp: 97031

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0
39	65.3	52.2	78.4

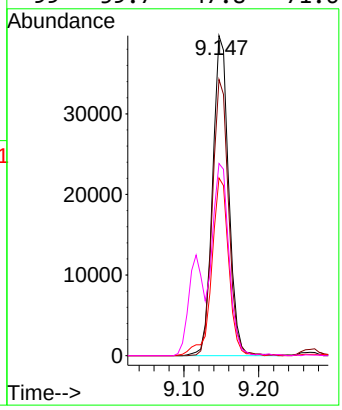




#55
1,1,2-Trichloroethane
Concen: 36.648 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 97 Resp: 5949

Ion	Ratio	Lower	Upper
97	100		
83	86.3	69.0	103.6
85	55.4	44.3	66.5
99	59.7	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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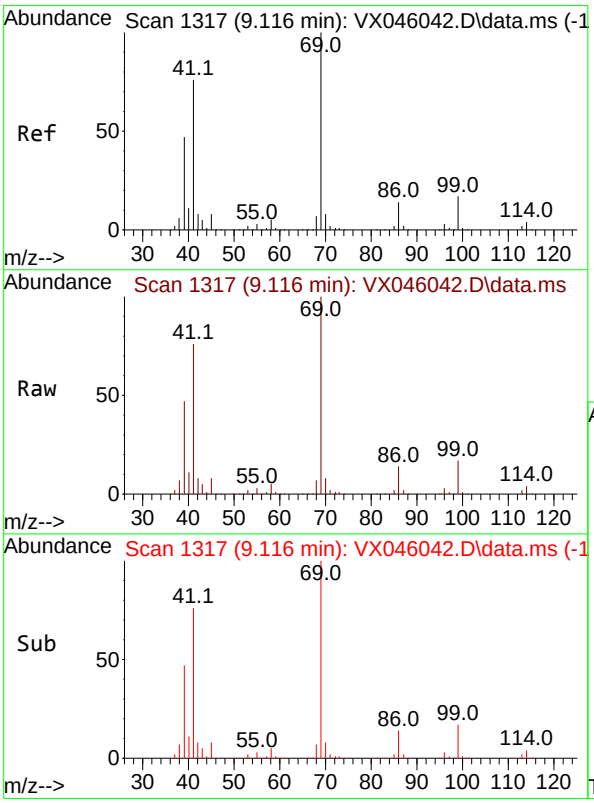
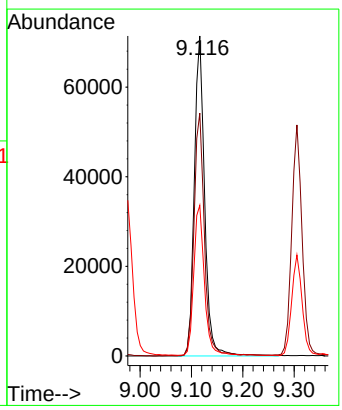
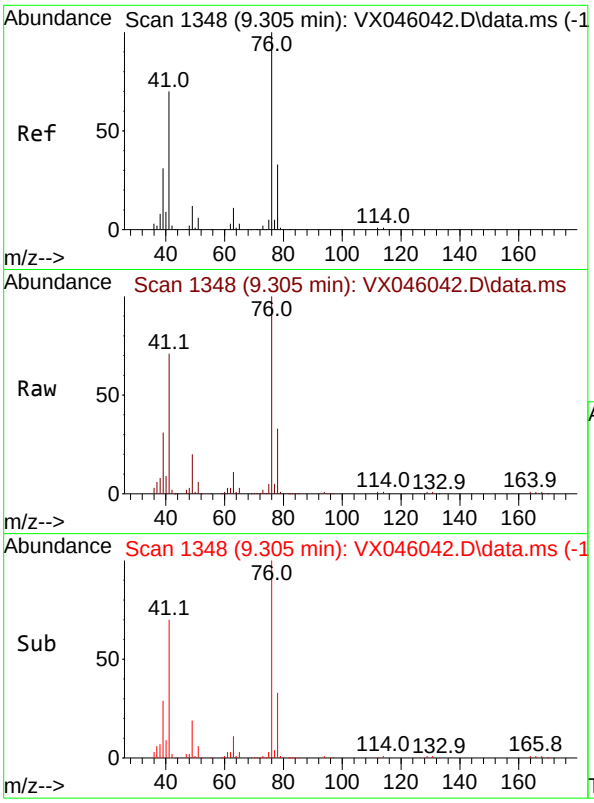


#56
Ethyl methacrylate
Concen: 39.726 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 69 Resp: 99947

Ion	Ratio	Lower	Upper
69	100		
41	76.0	60.8	91.2
39	48.8	39.0	58.6





#57
1,3-Dichloropropane
Concen: 36.347 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 76 Resp: 10460

Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.3	39.5

Instrument :
MSVOA_X
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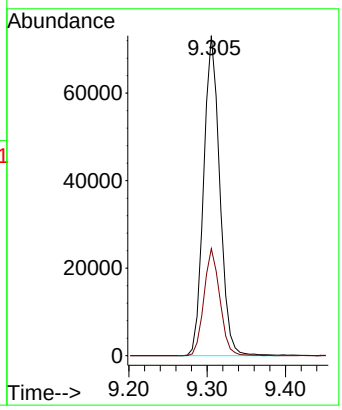
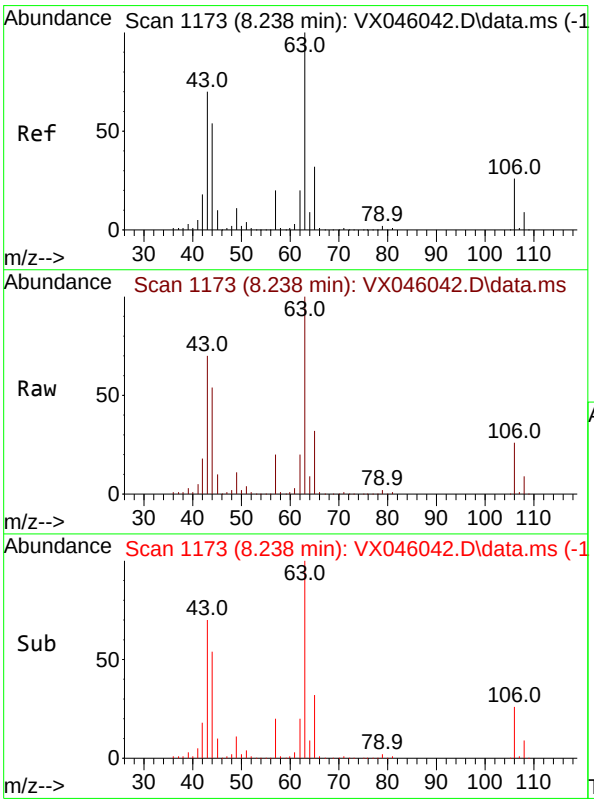
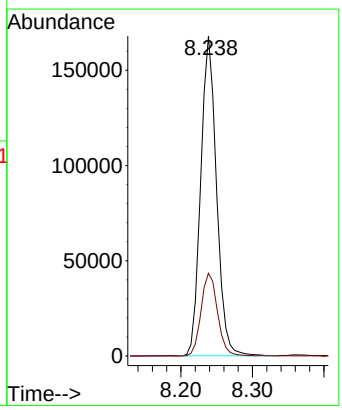


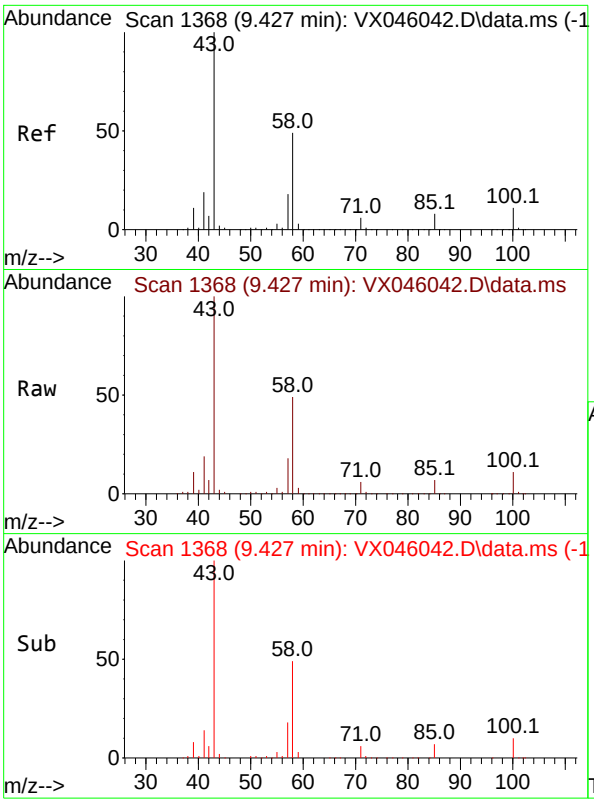


#58
2-Chloroethyl Vinyl ether
Concen: 227.902 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 63 Resp: 257678

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.5	32.3





#59
2-Hexanone
Concen: 190.168 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 39678

Ion	Ratio	Lower	Upper
43	100		
58	49.7	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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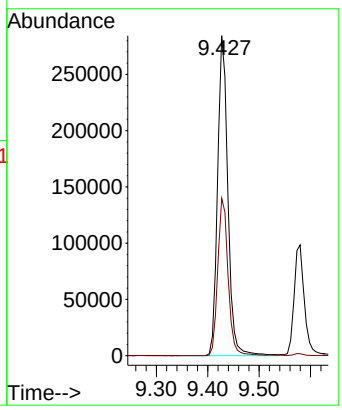
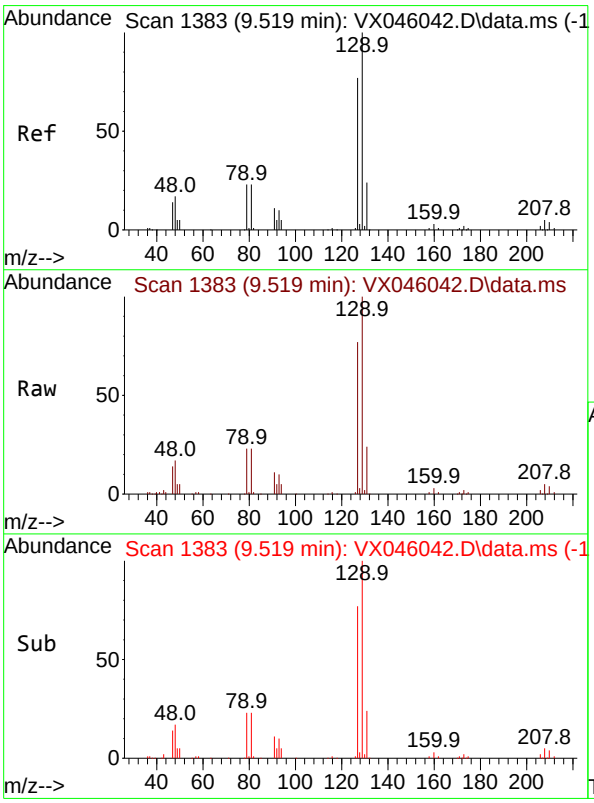
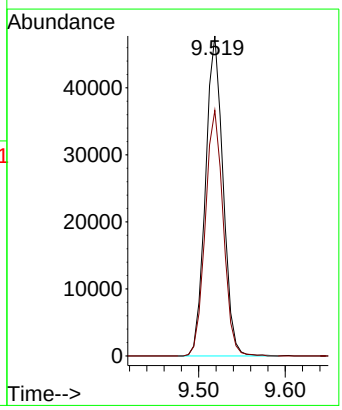


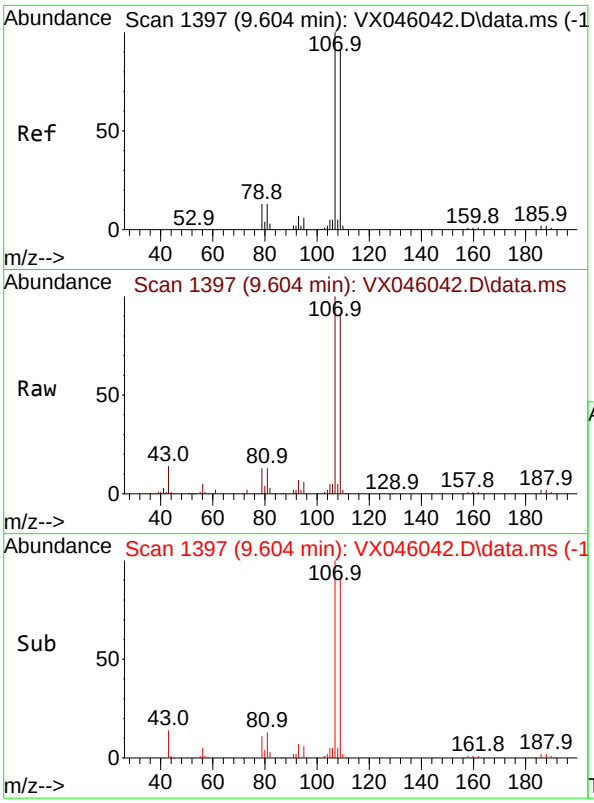


#60
Dibromochloromethane
Concen: 38.027 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:129 Resp: 67198

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.3	117.8

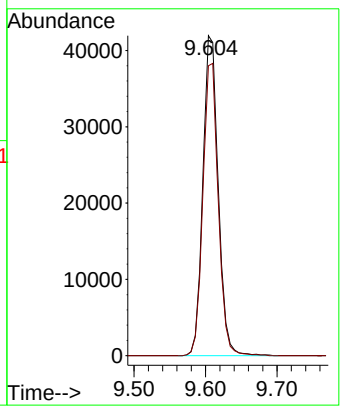




#61
1,2-Dibromoethane
Concen: 37.567 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:107 Resp: 6263

Ion	Ratio	Lower	Upper
107	100		
109	91.6	73.3	109.9



Instrument :
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ClientSampleId :
VSTDICCC050

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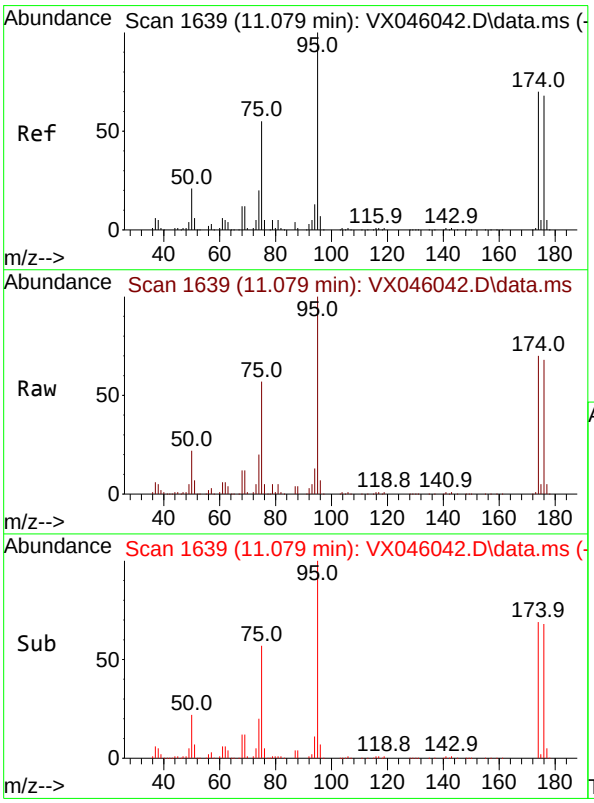
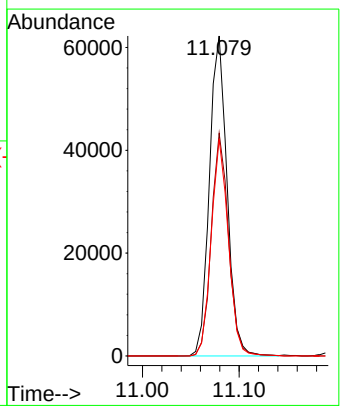
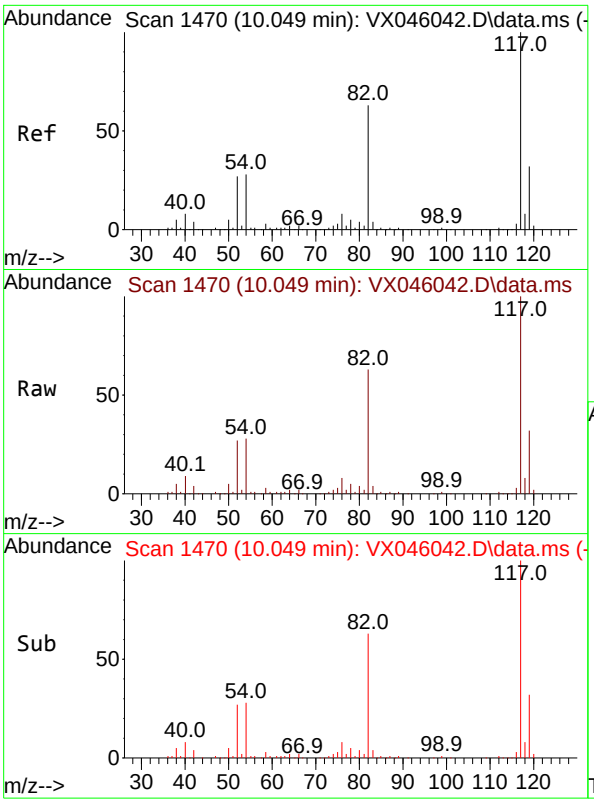


#62
4-Bromofluorobenzene
Concen: 34.229 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 95 Resp: 79012

Ion	Ratio	Lower	Upper
95	100		
174	67.9	0.0	135.8
176	65.7	0.0	131.4

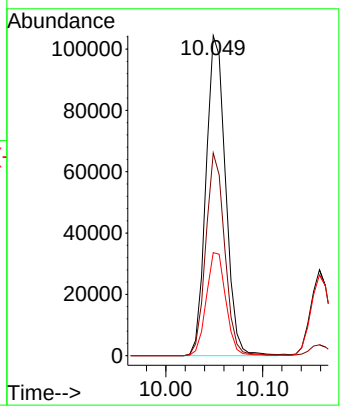




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:117 Resp: 14625

Ion	Ratio	Lower	Upper
117	100		
82	63.3	50.6	76.0
119	32.2	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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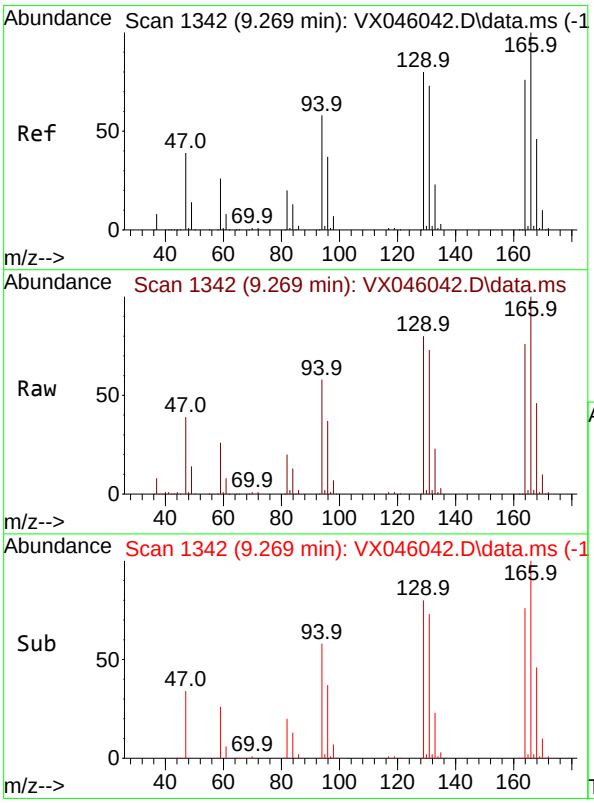
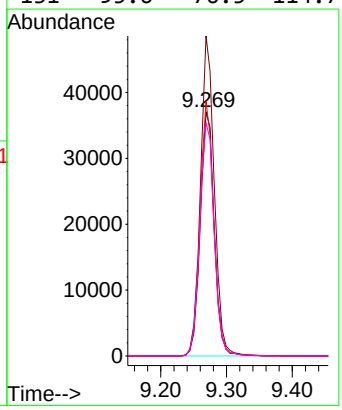
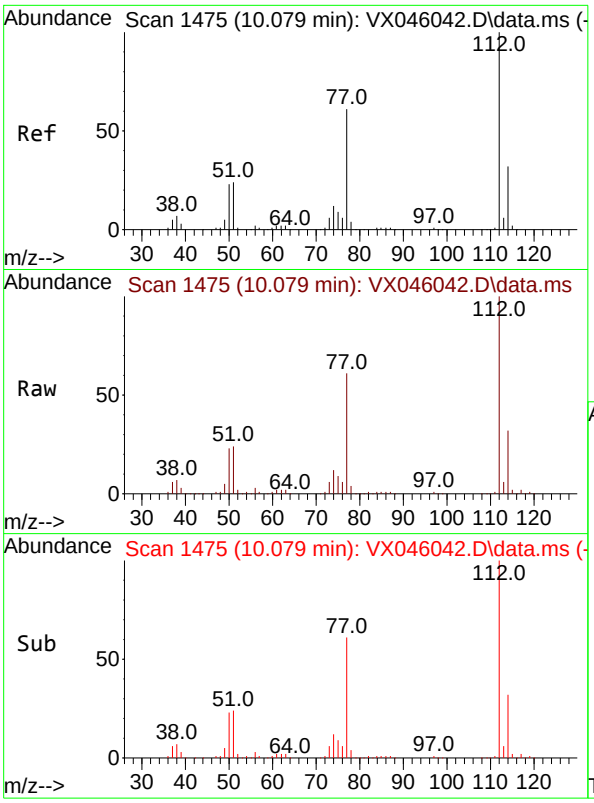


#64
Tetrachloroethene
Concen: 36.726 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:164 Resp: 54853

Ion	Ratio	Lower	Upper
164	100		
166	131.3	105.0	157.6
129	104.4	83.5	125.3
131	95.6	76.5	114.7





#65
Chlorobenzene
Concen: 35.686 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:112 Resp: 16060

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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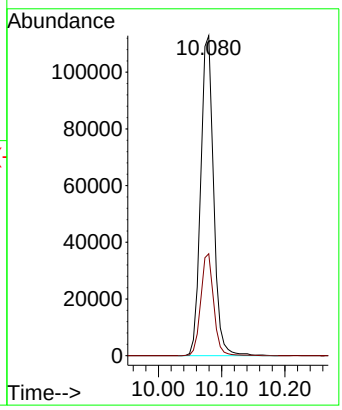
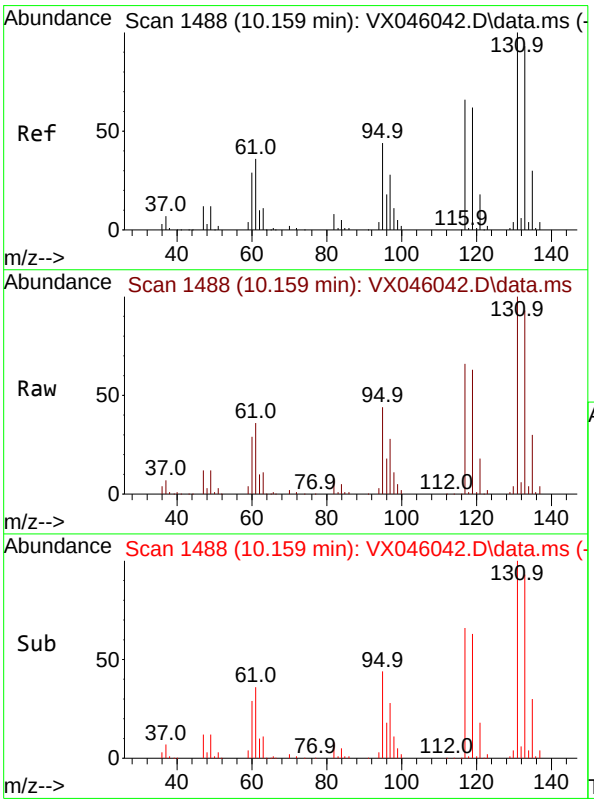
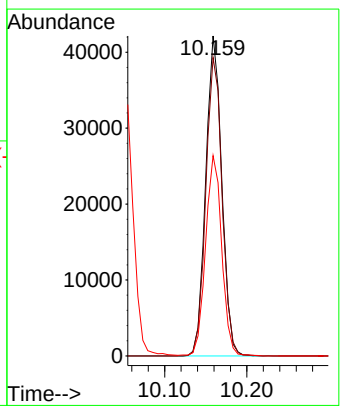


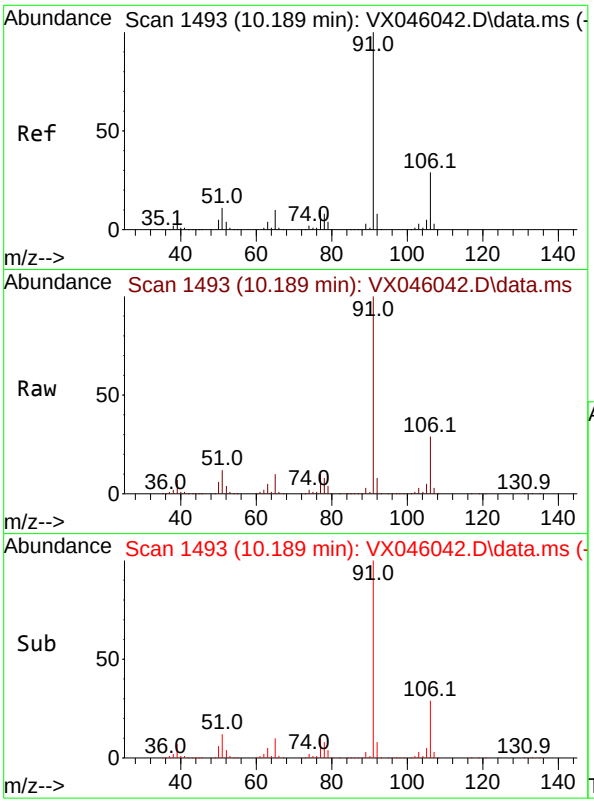


#66
1,1,1,2-Tetrachloroethane
Concen: 38.017 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:131 Resp: 57066

Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.3	141.9
119	63.3	31.6	95.0

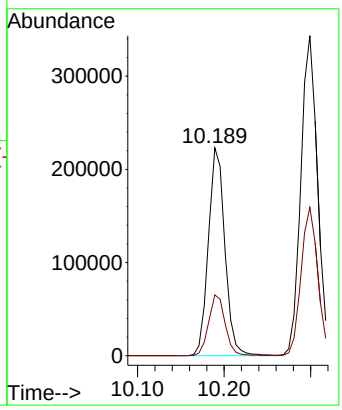




#67
Ethyl Benzene
Concen: 38.543 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 91 Resp: 29571

Ion	Ratio	Lower	Upper
91	100		
106	29.3	23.4	35.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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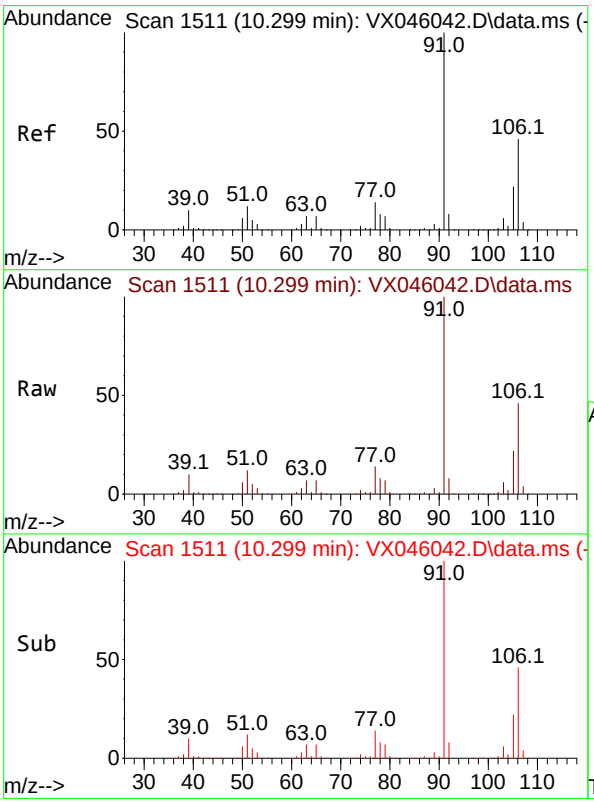
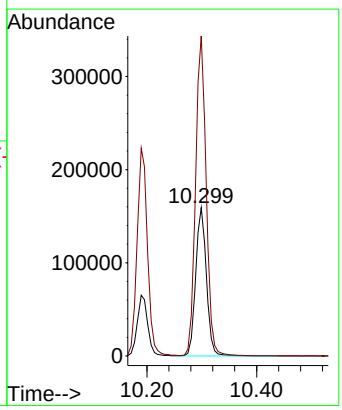
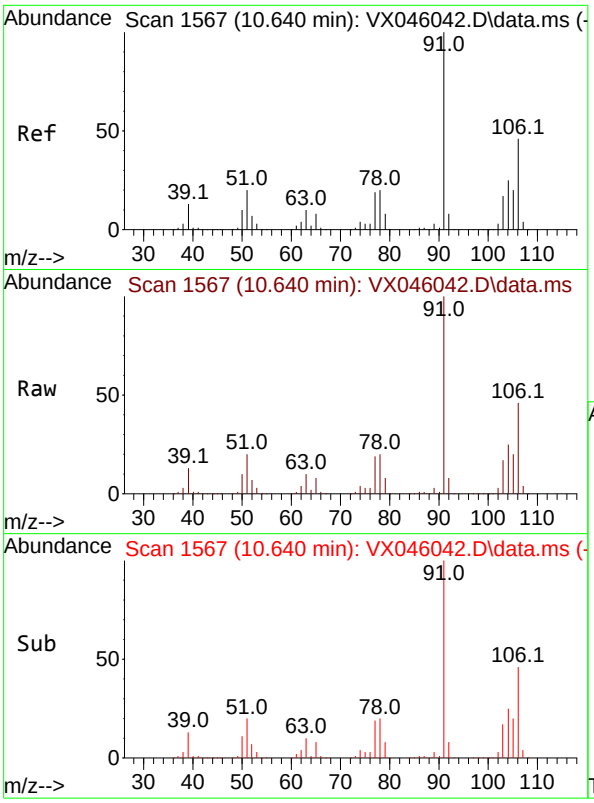


#68
m/p-Xylenes
Concen: 78.142 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:106 Resp: 216578

Ion	Ratio	Lower	Upper
106	100		
91	214.0	171.2	256.8





#69
o-Xylene
Concen: 38.064 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:106 Resp: 10633

Ion	Ratio	Lower	Upper
106	100		
91	225.4	112.7	338.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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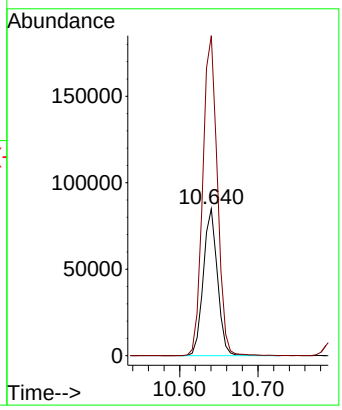
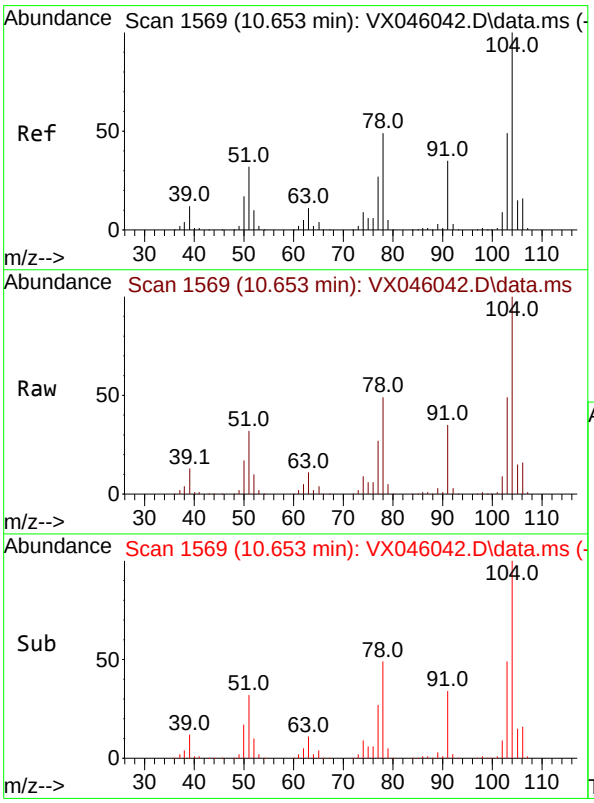
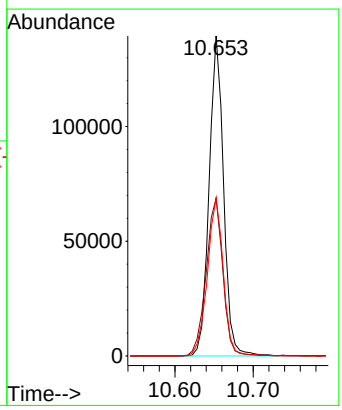


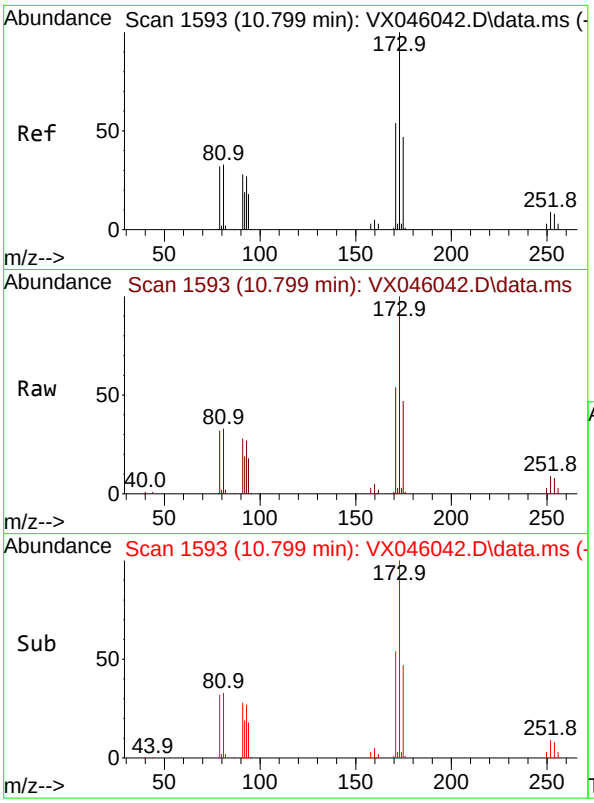


#70
Styrene
Concen: 39.888 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:104 Resp: 178313

Ion	Ratio	Lower	Upper
104	100		
78	57.1	45.7	68.5
103	54.6	43.7	65.5

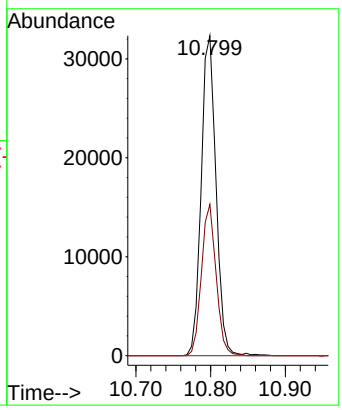




#71
Bromoform
Concen: 39.457 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:173 Resp: 4448

Ion	Ratio	Lower	Upper
173	100		
175	46.7	23.4	70.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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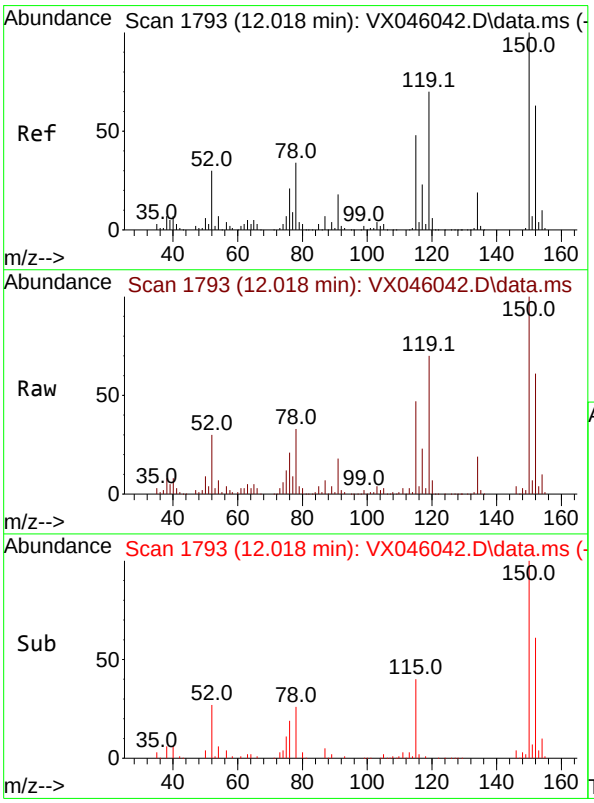
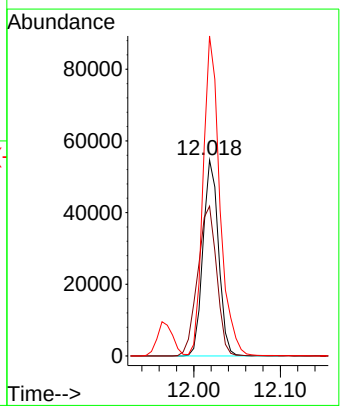
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

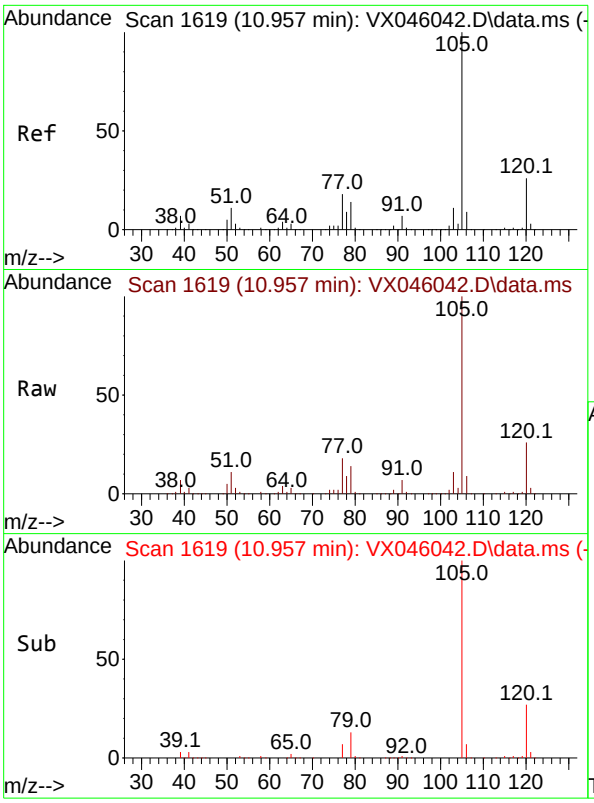


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:152 Resp: 67976

Ion	Ratio	Lower	Upper
152	100		
115	93.8	46.9	140.7
150	175.5	0.0	351.0





#73
Isopropylbenzene
Concen: 37.865 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:105 Resp: 28071

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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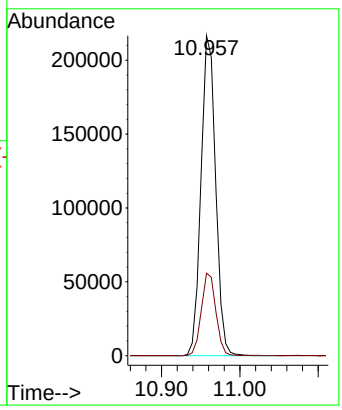
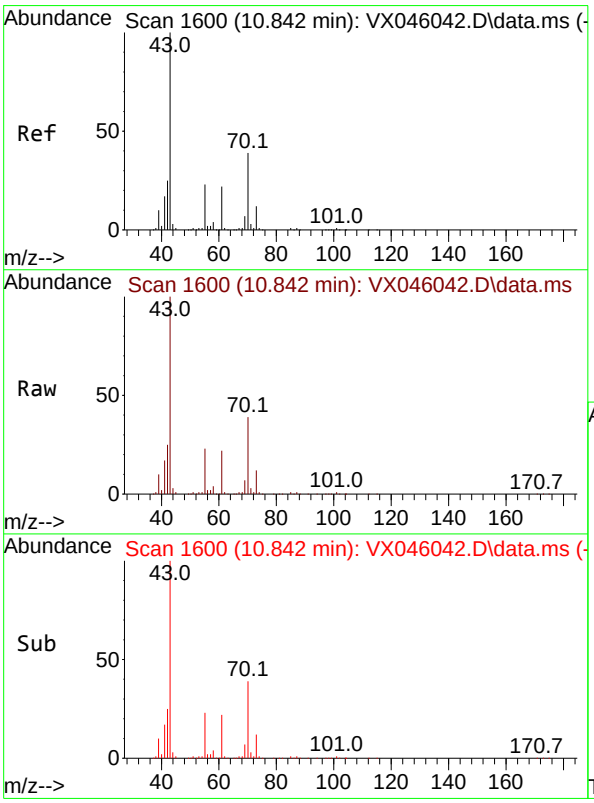
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

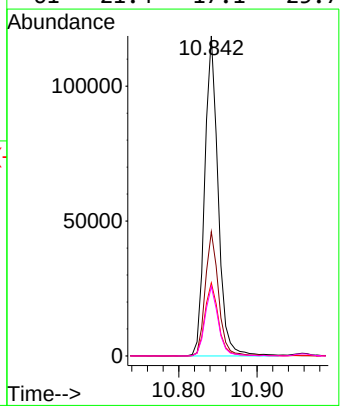


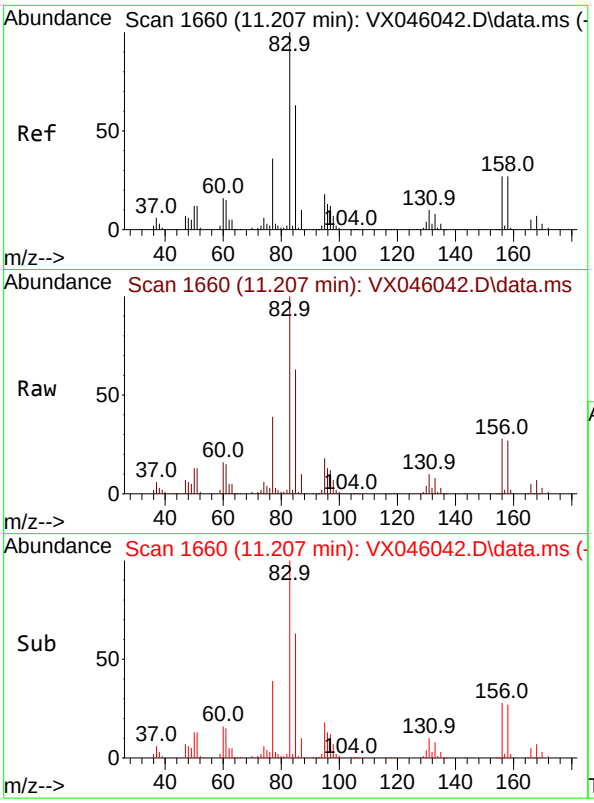


#74
N-amyl acetate
Concen: 38.012 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 140509

Ion	Ratio	Lower	Upper
43	100		
70	38.6	30.9	46.3
55	23.4	18.7	28.1
61	21.4	17.1	25.7





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

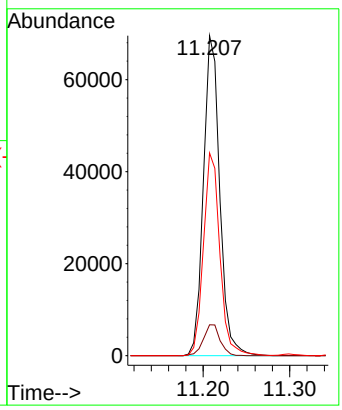
Tgt Ion: 83 Resp: 9097

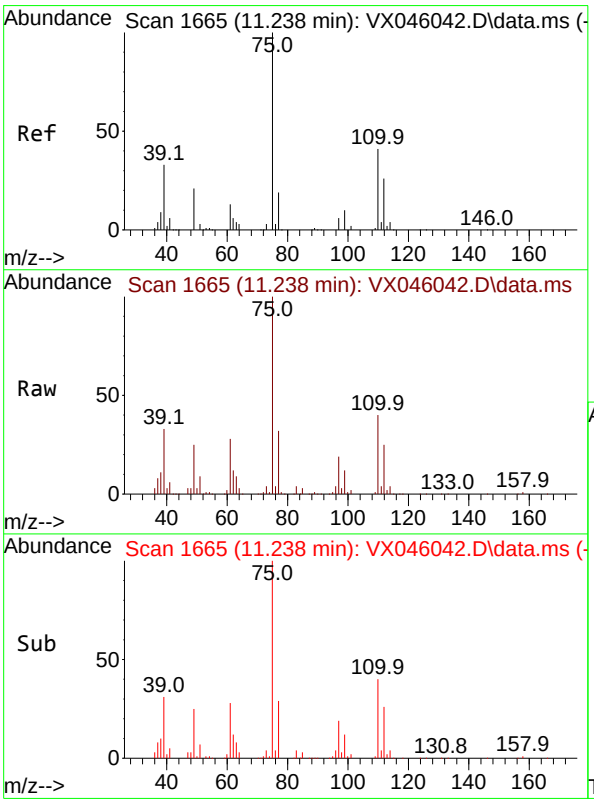
Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	63.8	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

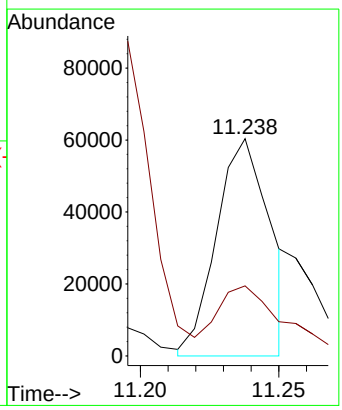


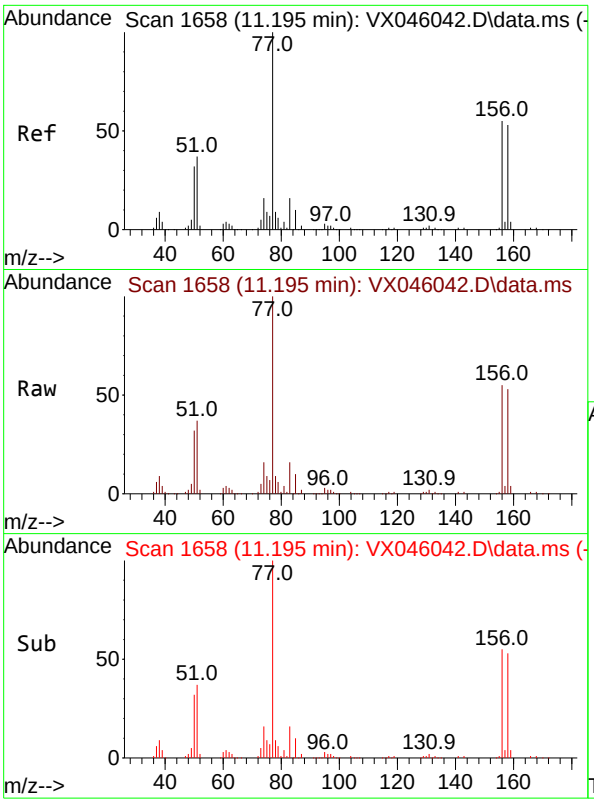


#76
1,2,3-Trichloropropane
Concen: 28.468 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 75 Resp: 80678

Ion	Ratio	Lower	Upper
75	100		
77	41.0	20.5	61.5





#77
Bromobenzene
Concen: 36.763 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:156 Resp: 6305

Ion	Ratio	Lower	Upper
156	100		
77	185.5	92.8	278.3
158	97.5	48.8	146.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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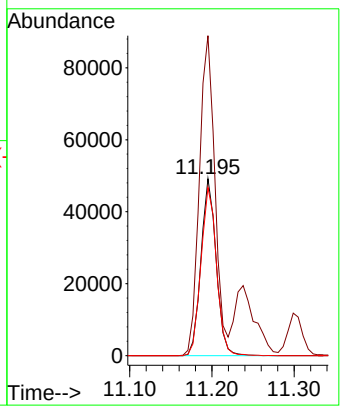
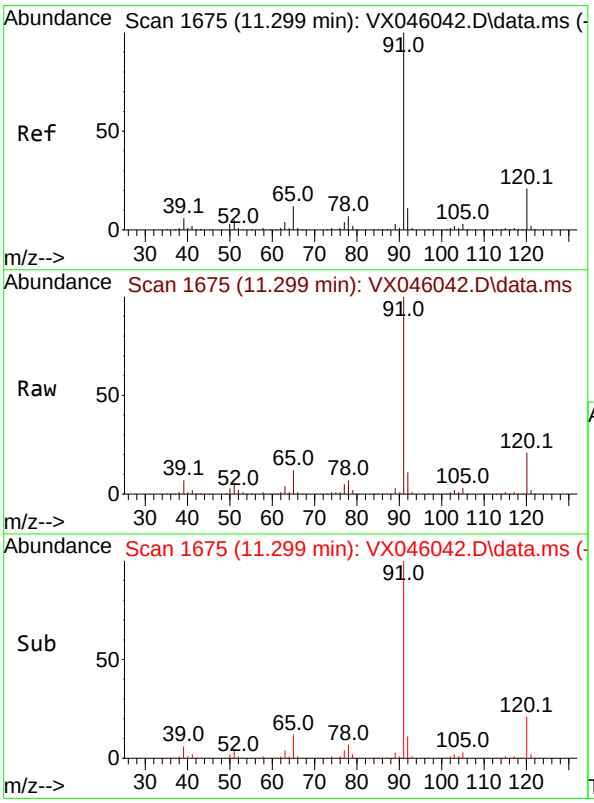
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

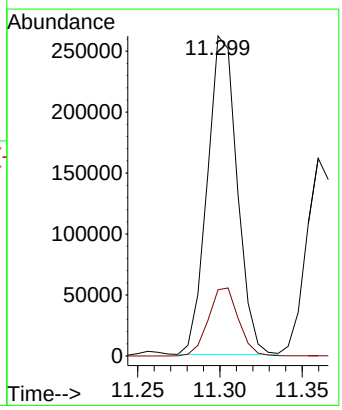


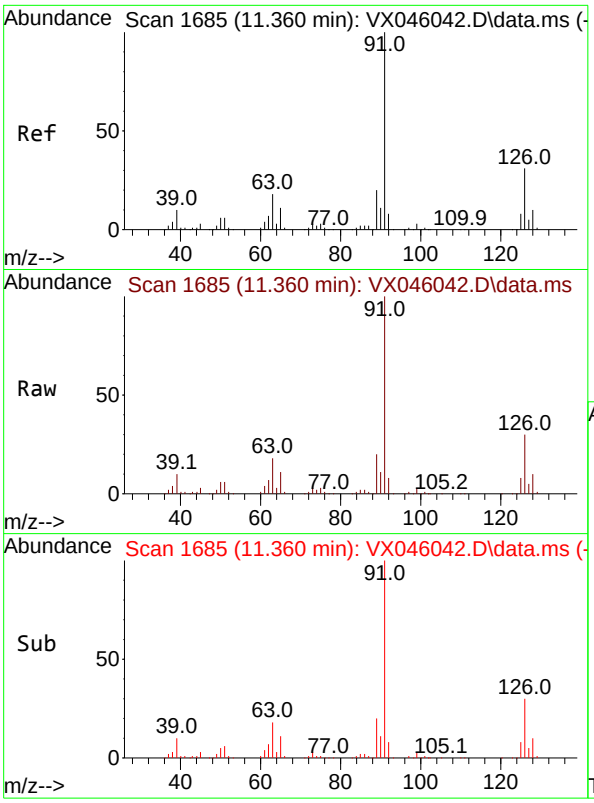


#78
n-propylbenzene
Concen: 39.707 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 91 Resp: 329981

Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.8	32.4





#79
2-Chlorotoluene
Concen: 36.336 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 91 Resp: 20350

Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.6	46.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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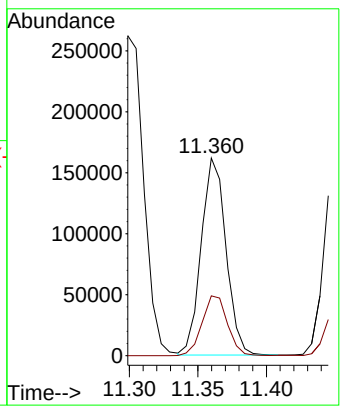
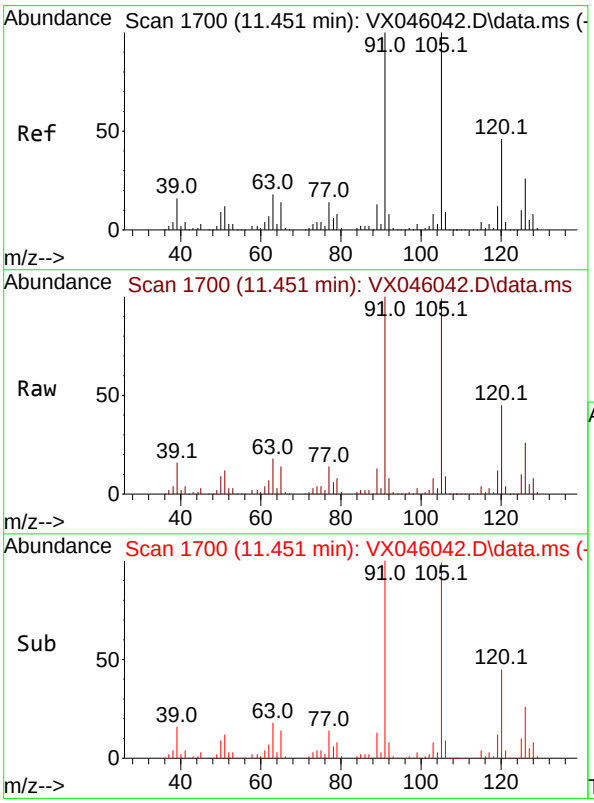
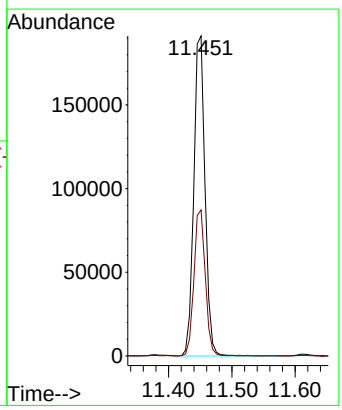


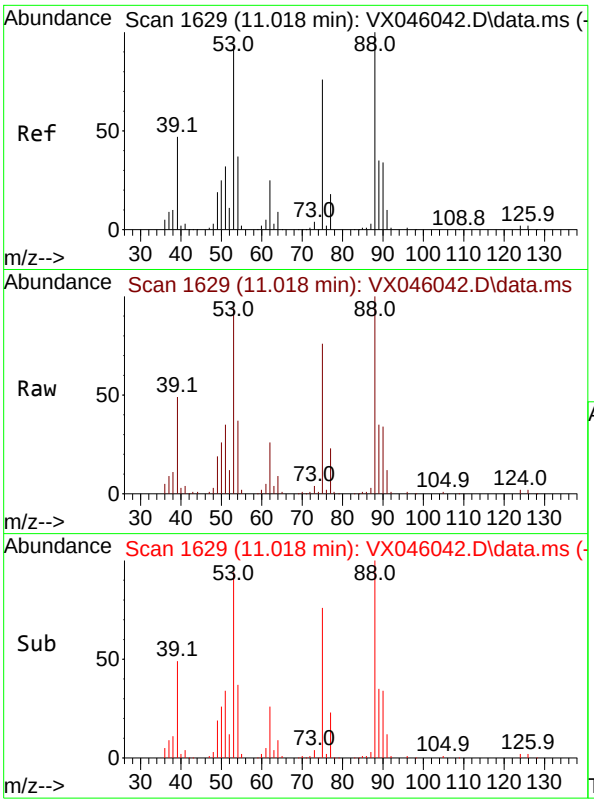


#80
1,3,5-Trimethylbenzene
Concen: 38.516 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:105 Resp: 237066

Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.1	69.2





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

Tgt Ion: 75 Resp: 2617

Ion	Ratio	Lower	Upper
75	100		
53	125.6	100.5	150.7
89	46.3	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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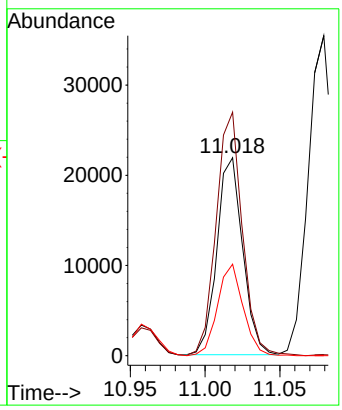
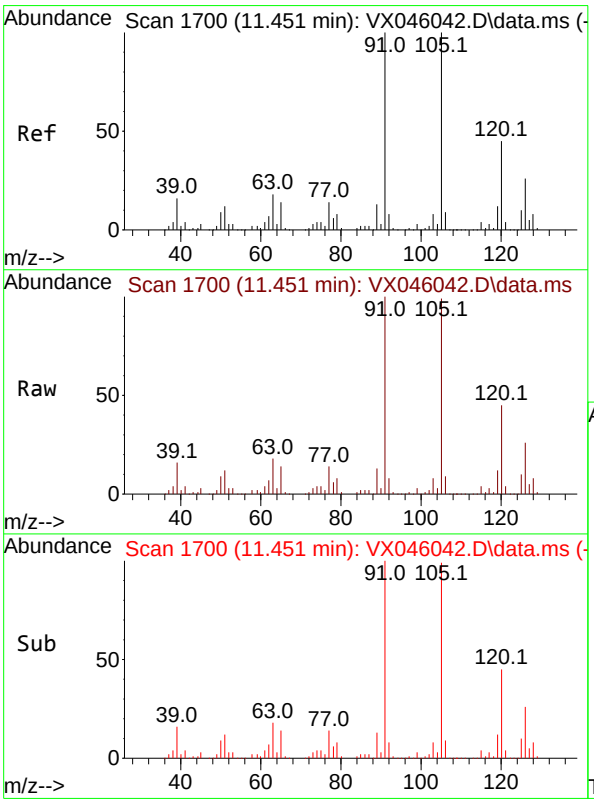
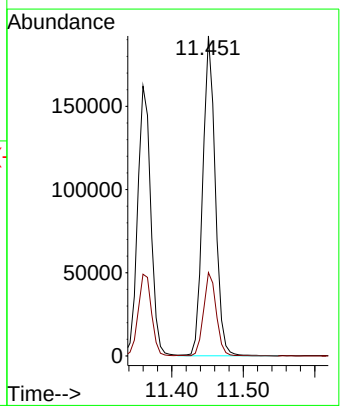


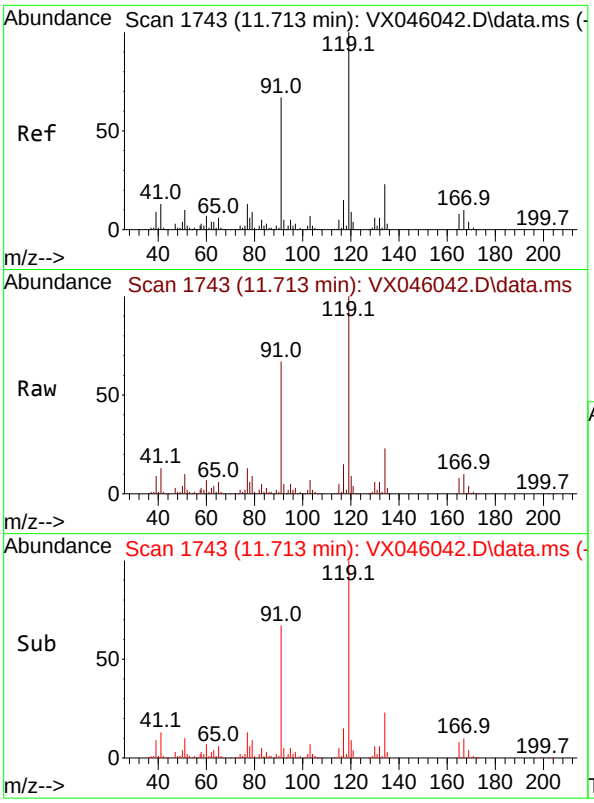


#82
4-Chlorotoluene
Concen: 37.880 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 91 Resp: 233172

Ion	Ratio	Lower	Upper
91	100		
126	26.5	13.3	39.8

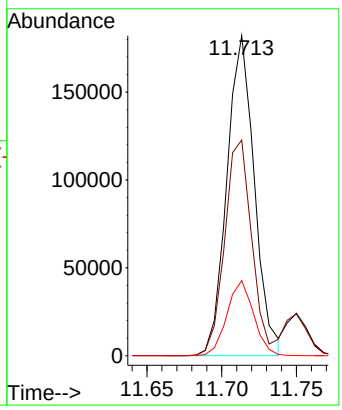




#83
tert-Butylbenzene
Concen: 38.622 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:119 Resp: 23346

Ion	Ratio	Lower	Upper
119	100		
91	65.8	32.9	98.7
134	22.7	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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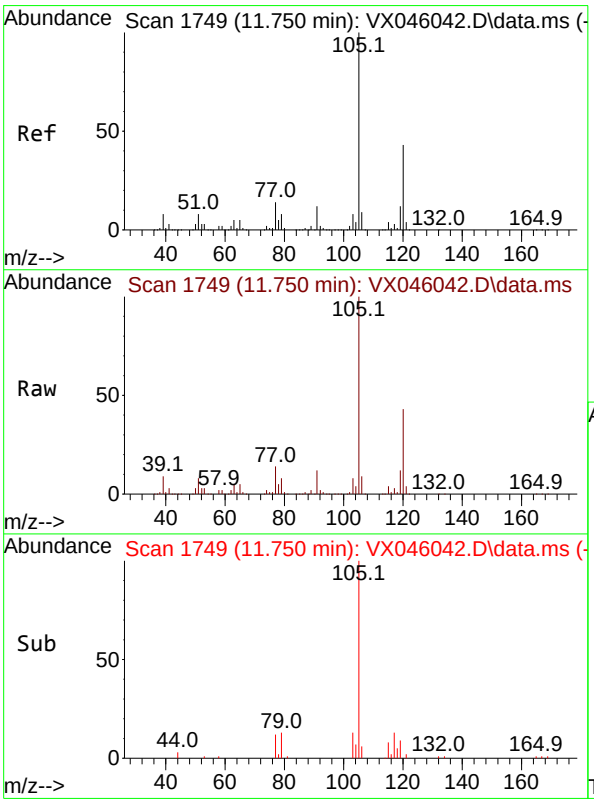
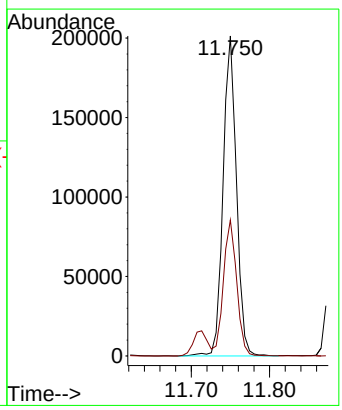
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

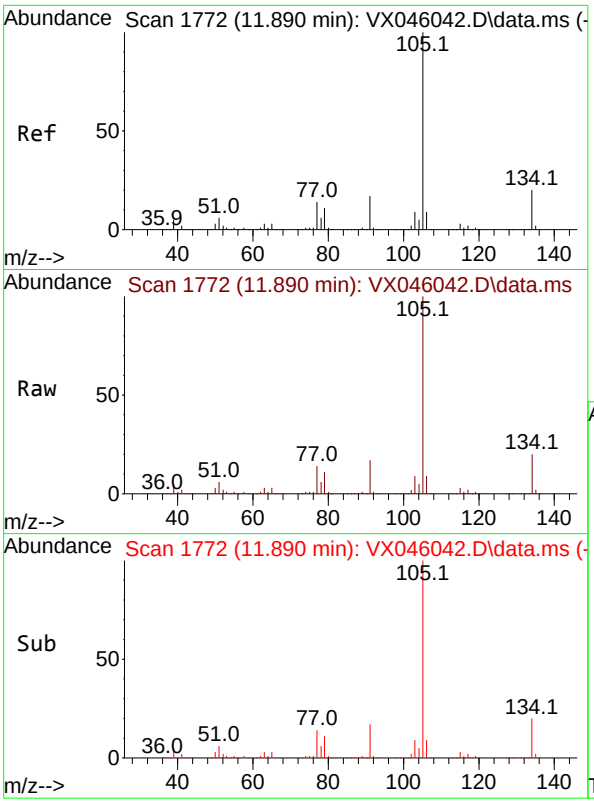


#84
1,2,4-Trimethylbenzene
Concen: 38.946 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:105 Resp: 239433

Ion	Ratio	Lower	Upper
105	100		
120	42.4	21.2	63.6

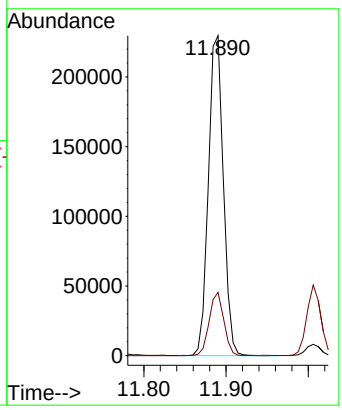




#85
sec-Butylbenzene
Concen: 38.786 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:105 Resp: 29107

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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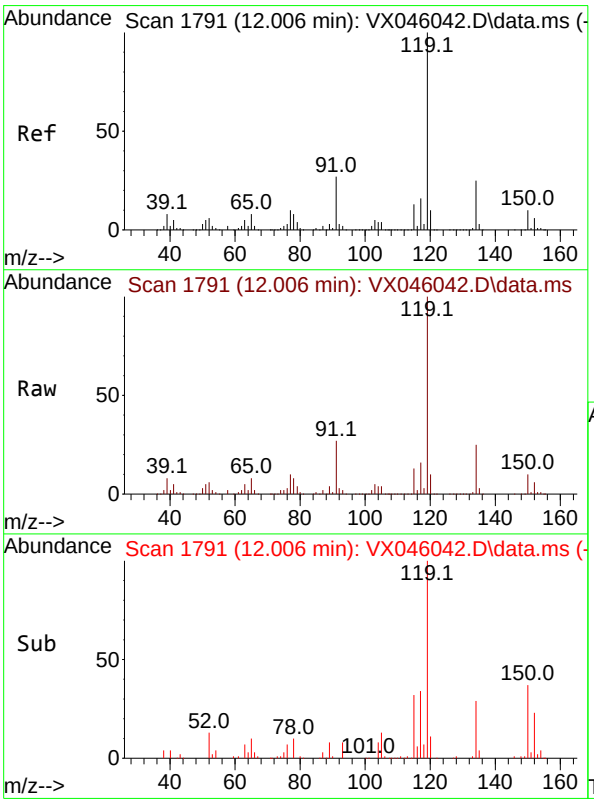
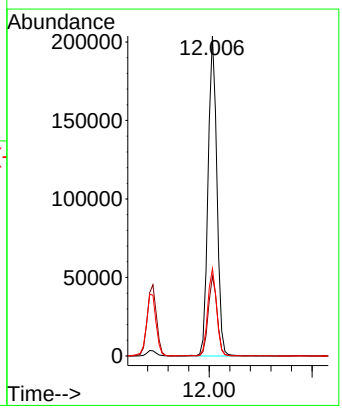
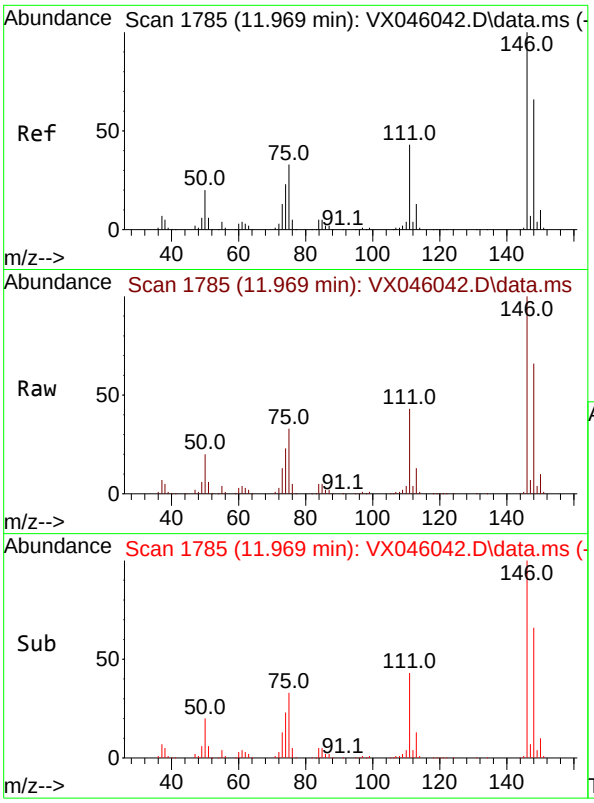


#86
p-Isopropyltoluene
Concen: 39.879 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:119 Resp: 241658

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.5	37.5
91	27.6	13.8	41.4





#87
1,3-Dichlorobenzene
Concen: 36.199 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:146 Resp: 11565

Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.1	66.3
148	64.3	32.1	96.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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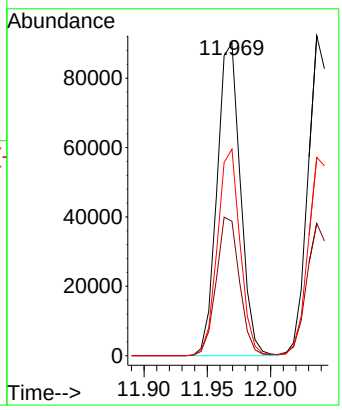
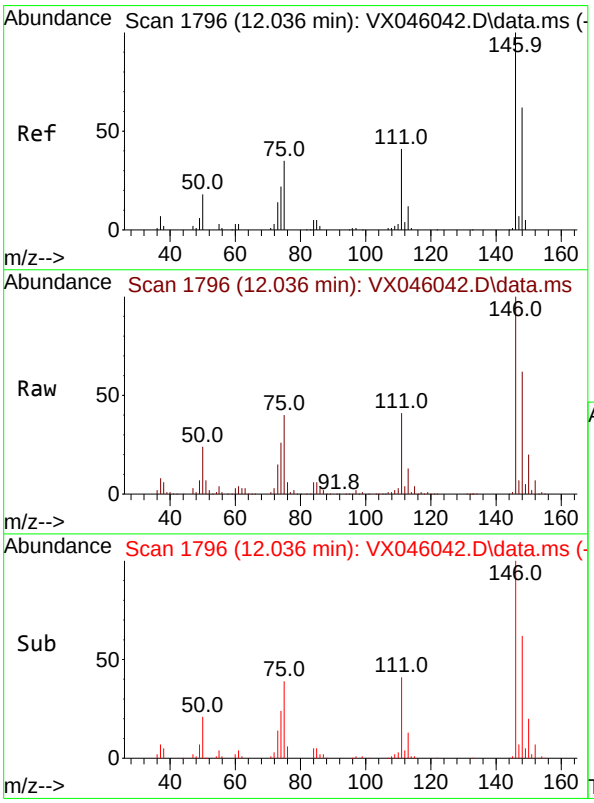
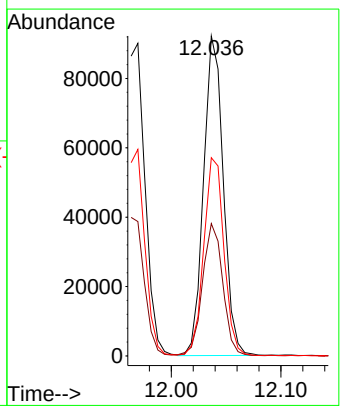


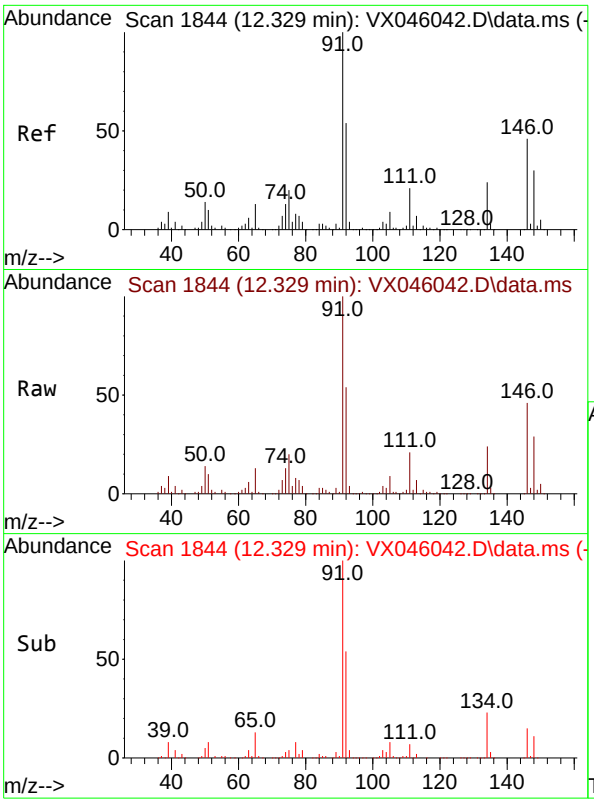


#88
1,4-Dichlorobenzene
Concen: 36.763 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:146 Resp: 115097

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	63.9
148	63.7	31.9	95.5

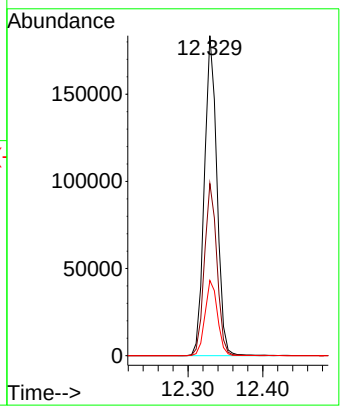




#89
n-Butylbenzene
Concen: 40.603 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 91 Resp: 213899

Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.9	80.7
134	23.5	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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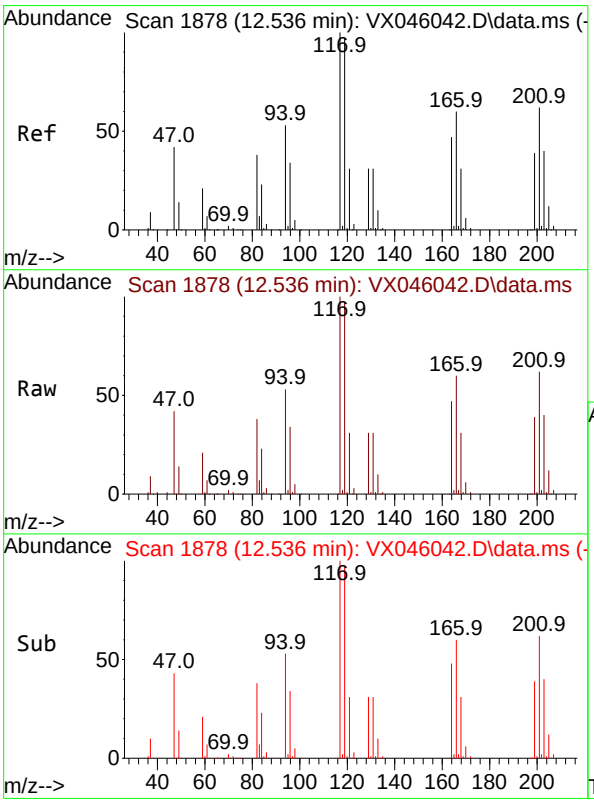
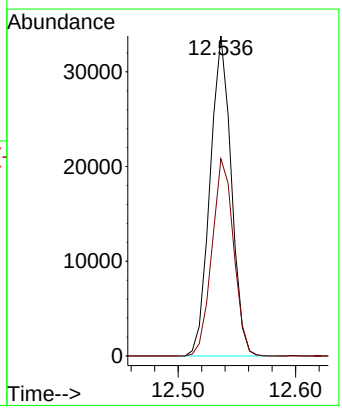
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

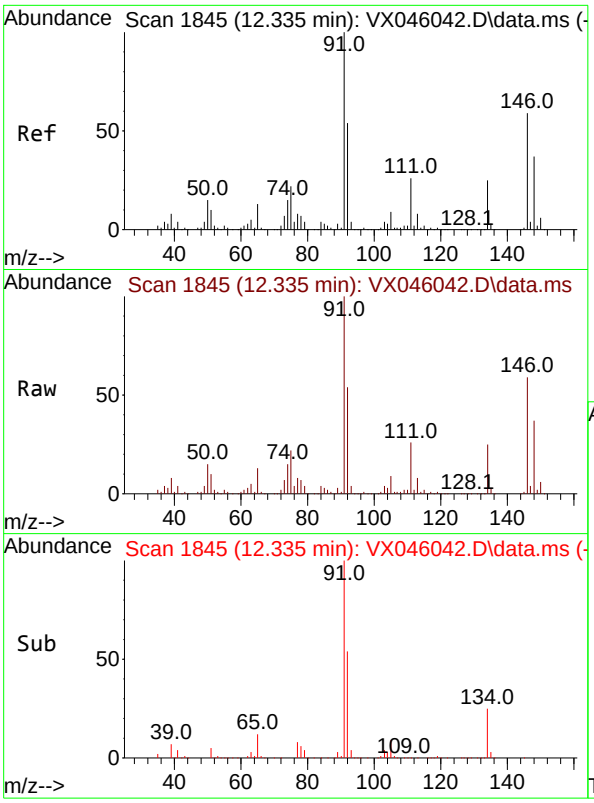


#90
Hexachloroethane
Concen: 37.534 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:117 Resp: 42314

Ion	Ratio	Lower	Upper
117	100		
201	63.1	31.6	94.7

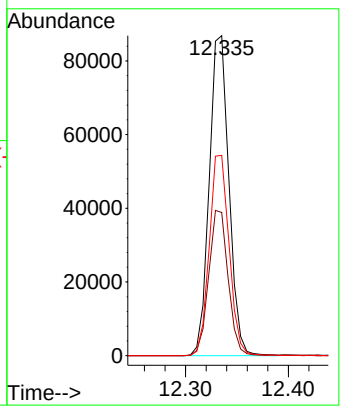




#91
1,2-Dichlorobenzene
Concen: 37.047 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:146 Resp: 11528

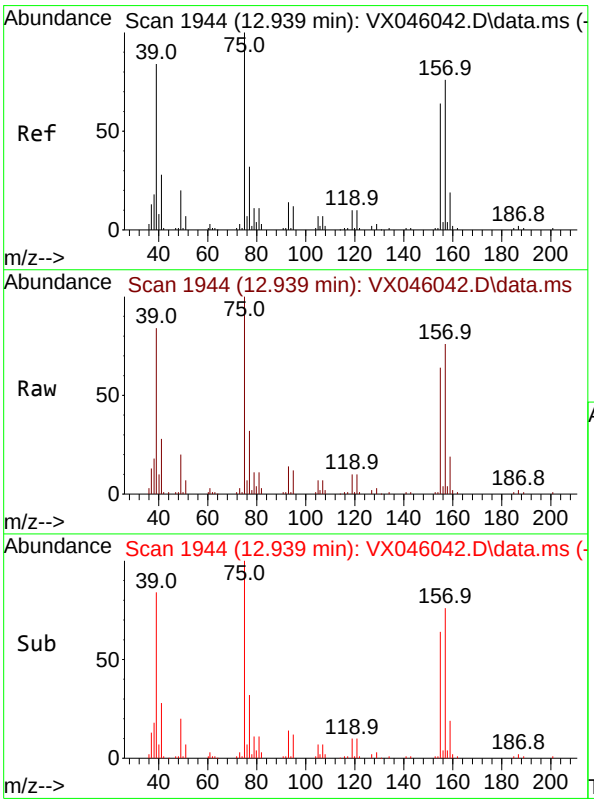
Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.4	67.3
148	63.2	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

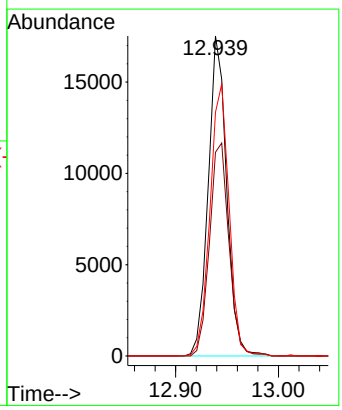
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

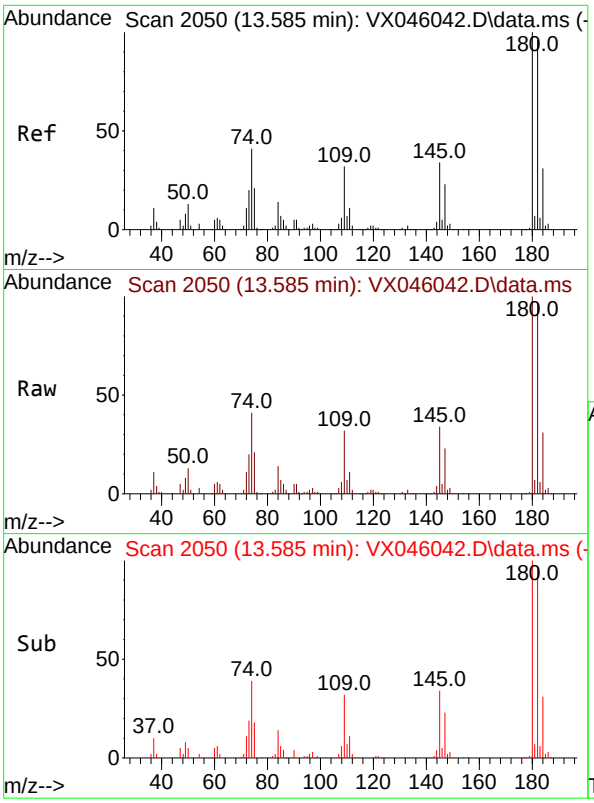


#92
1,2-Dibromo-3-Chloropropane
Concen: 36.496 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 75 Resp: 21909

Ion	Ratio	Lower	Upper
75	100		
155	69.9	34.9	104.8
157	87.6	43.8	131.4

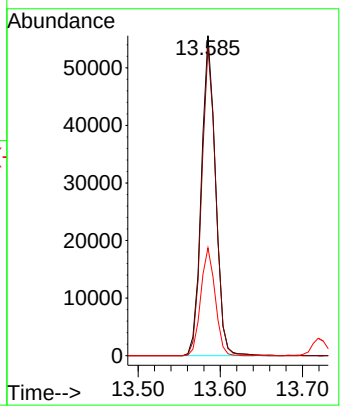




#93
1,2,4-Trichlorobenzene
Concen: 39.117 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:180 Resp: 6665

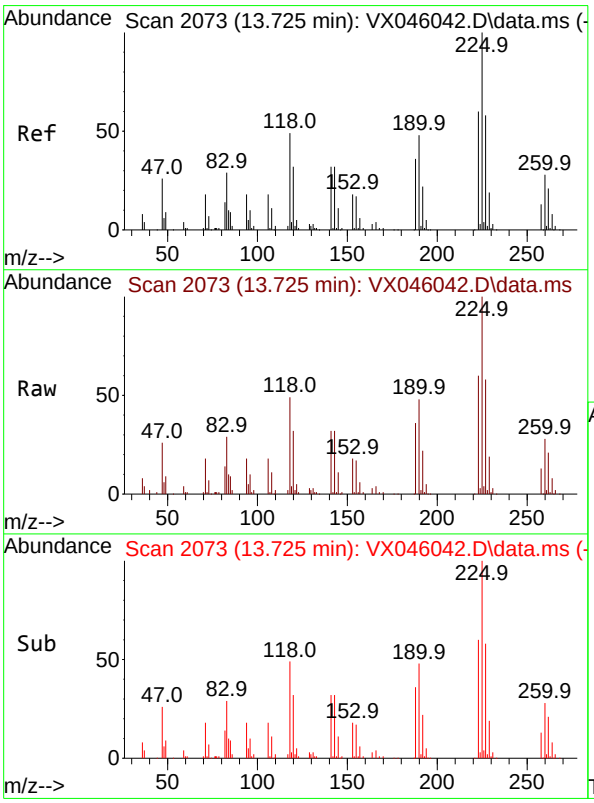
Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.9	143.8
145	34.1	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

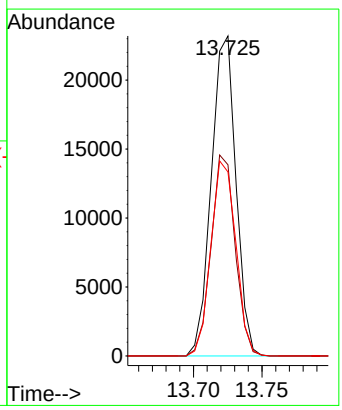
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

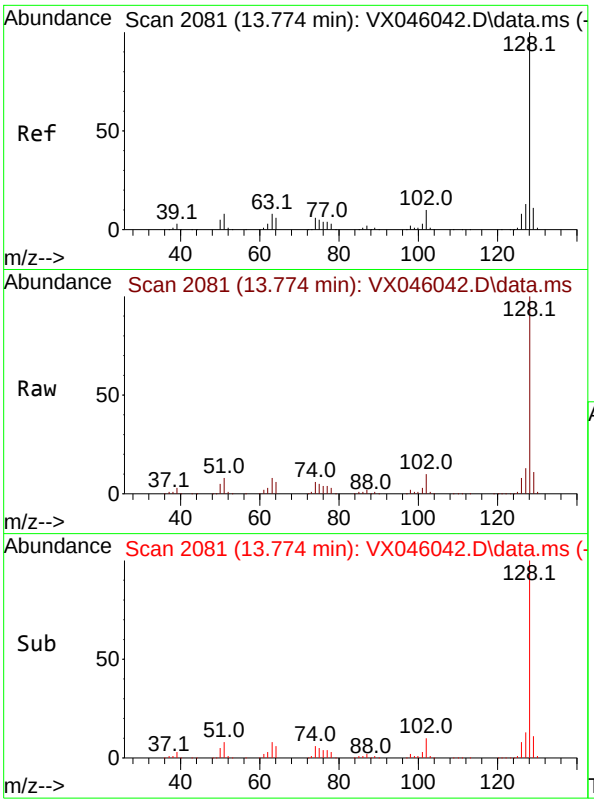


#94
Hexachlorobutadiene
Concen: 36.395 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:225 Resp: 29007

Ion	Ratio	Lower	Upper
225	100		
223	61.6	30.8	92.4
227	61.8	30.9	92.7

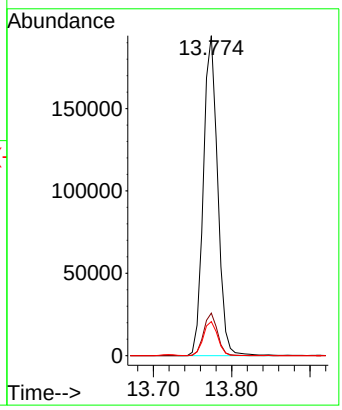




#95
Naphthalene
Concen: 39.575 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:128 Resp: 24556

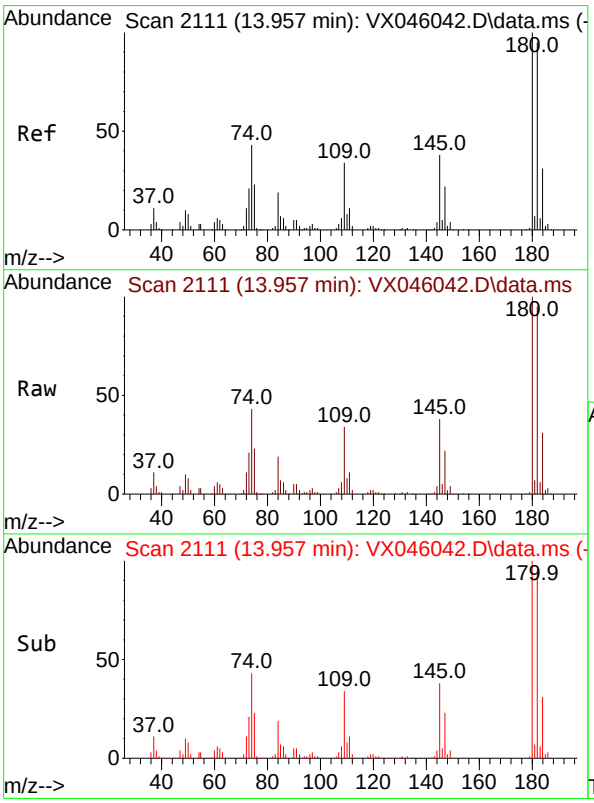
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

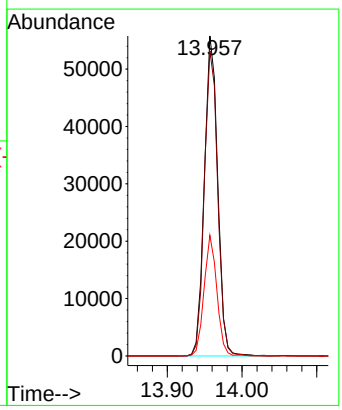
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 38.765 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:180 Resp: 69262

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.8	143.3
145	36.2	18.1	54.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	87028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	152958	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	135214	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	161877	62.526	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 125.060%#			
35) Dibromofluoromethane	5.379	113	111455	65.006	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 130.020%#			
50) Toluene-d8	8.647	98	387230	67.031	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 134.060%#			
62) 4-Bromofluorobenzene	11.079	95	153085	72.818	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 145.640%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	149508	77.828	ug/l	99
3) Chloromethane	1.307	50	136937	72.392	ug/l	98
4) Vinyl Chloride	1.374	62	126609	76.398	ug/l	98
5) Bromomethane	1.593	94	59246	70.507	ug/l	99
6) Chloroethane	1.660	64	57332	67.148	ug/l	99
7) Trichlorofluoromethane	1.867	101	171042	67.754	ug/l	99
8) Diethyl Ether	2.136	74	58762	70.807	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	109520	72.604	ug/l	99
10) Methyl Iodide	2.440	142	138045	77.943	ug/l	100
11) Tert butyl alcohol	2.995	59	125094	405.394	ug/l	100
12) 1,1-Dichloroethene	2.306	96	105566	71.884	ug/l	96
13) Acrolein	2.239	56	134456	375.132	ug/l	99
14) Allyl chloride	2.660	41	206519	74.419	ug/l	98
15) Acrylonitrile	3.068	53	331142	358.723	ug/l	97
16) Acetone	2.386	43	314383	354.936	ug/l	98
17) Carbon Disulfide	2.501	76	264956	77.867	ug/l	100
18) Methyl Acetate	2.703	43	147014	69.531	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	378113	73.818	ug/l	100
20) Methylene Chloride	2.782	84	120270	67.030	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	106606	71.109	ug/l	99
22) Diisopropyl ether	3.763	45	399494	77.048	ug/l	90
23) Vinyl Acetate	3.721	43	1811550	395.363	ug/l	100
24) 1,1-Dichloroethane	3.605	63	219759	72.114	ug/l	99
25) 2-Butanone	4.556	43	485448	379.704	ug/l	100
26) 2,2-Dichloropropane	4.464	77	174579	75.621	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	128454	71.056	ug/l	99
28) Bromochloromethane	4.891	49	103602	63.932	ug/l	100
29) Tetrahydrofuran	5.001	42	305757	368.234	ug/l	99
30) Chloroform	5.086	83	222253	70.180	ug/l	95
31) Cyclohexane	5.458	56	196302	76.428	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	201112	73.635	ug/l	98
36) 1,1-Dichloropropene	5.690	75	147873	74.285	ug/l	99
37) Ethyl Acetate	4.714	43	186215	74.565	ug/l	99
38) Carbon Tetrachloride	5.672	117	168946	73.875	ug/l	99
39) Methylcyclohexane	7.372	83	191941	76.952	ug/l	96
40) Benzene	6.031	78	440885	71.457	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	104863	75.574	ug/l		98
42) 1,2-Dichloroethane	6.080	62	187036	73.318	ug/l		99
43) Isopropyl Acetate	6.342	43	300491	78.714	ug/l		100
44) Trichloroethene	7.123	130	105628	72.420	ug/l		98
45) 1,2-Dichloropropane	7.427	63	112554	73.420	ug/l		100
46) Dibromomethane	7.574	93	85728	70.938	ug/l		100
47) Bromodichloromethane	7.818	83	175301	74.845	ug/l		99
48) Methyl methacrylate	7.689	41	153093	78.101	ug/l		99
49) 1,4-Dioxane	7.659	88	57313	1470.687	ug/l		99
51) 4-Methyl-2-Pentanone	8.573	43	963319	384.740	ug/l		100
52) Toluene	8.714	92	270763	74.010	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	169863	86.372	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	184134	80.264	ug/l		95
55) 1,1,2-Trichloroethane	9.147	97	107264	72.543	ug/l		99
56) Ethyl methacrylate	9.116	69	188717	82.359	ug/l		99
57) 1,3-Dichloropropane	9.305	76	187649	71.590	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	463169	449.791	ug/l		100
59) 2-Hexanone	9.433	43	729602	383.945	ug/l		100
60) Dibromochloromethane	9.518	129	127012	78.918	ug/l		98
61) 1,2-Dibromoethane	9.610	107	112669	74.200	ug/l		98
64) Tetrachloroethene	9.268	164	93195	67.493	ug/l		96
65) Chlorobenzene	10.079	112	293284	70.490	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	103177	74.349	ug/l		99
67) Ethyl Benzene	10.189	91	535122	75.444	ug/l		99
68) m/p-Xylenes	10.299	106	389935	152.181	ug/l		99
69) o-Xylene	10.640	106	190833	73.890	ug/l		97
70) Styrene	10.652	104	328195	79.411	ug/l		100
71) Bromoform	10.799	173	84353	80.927	ug/l	#	98
73) Isopropylbenzene	10.957	105	514528	71.083	ug/l		100
74) N-amyl acetate	10.841	43	274553	76.073	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	170481	66.207	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	150182m	54.277	ug/l		
77) Bromobenzene	11.195	156	117151	69.959	ug/l		99
78) n-propylbenzene	11.305	91	608332	74.974	ug/l		100
79) 2-Chlorotoluene	11.360	91	372392	68.100	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	432096	71.903	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	54398	81.820	ug/l		93
82) 4-Chlorotoluene	11.451	91	432053	71.890	ug/l		100
83) tert-Butylbenzene	11.713	119	432011	73.197	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	442728	73.758	ug/l		100
85) sec-Butylbenzene	11.890	105	543597	74.188	ug/l		100
86) p-Isopropyltoluene	12.006	119	457898	77.393	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	219753	70.449	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	217613	71.190	ug/l		99
89) n-Butylbenzene	12.329	91	416602	80.996	ug/l		100
90) Hexachloroethane	12.536	117	82528	74.978	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	216834	71.367	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	43673	74.512	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	137430	82.605	ug/l		98
94) Hexachlorobutadiene	13.725	225	55494	71.314	ug/l		98
95) Naphthalene	13.774	128	489778	80.842	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	139525	79.981	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

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

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

ICAL Form

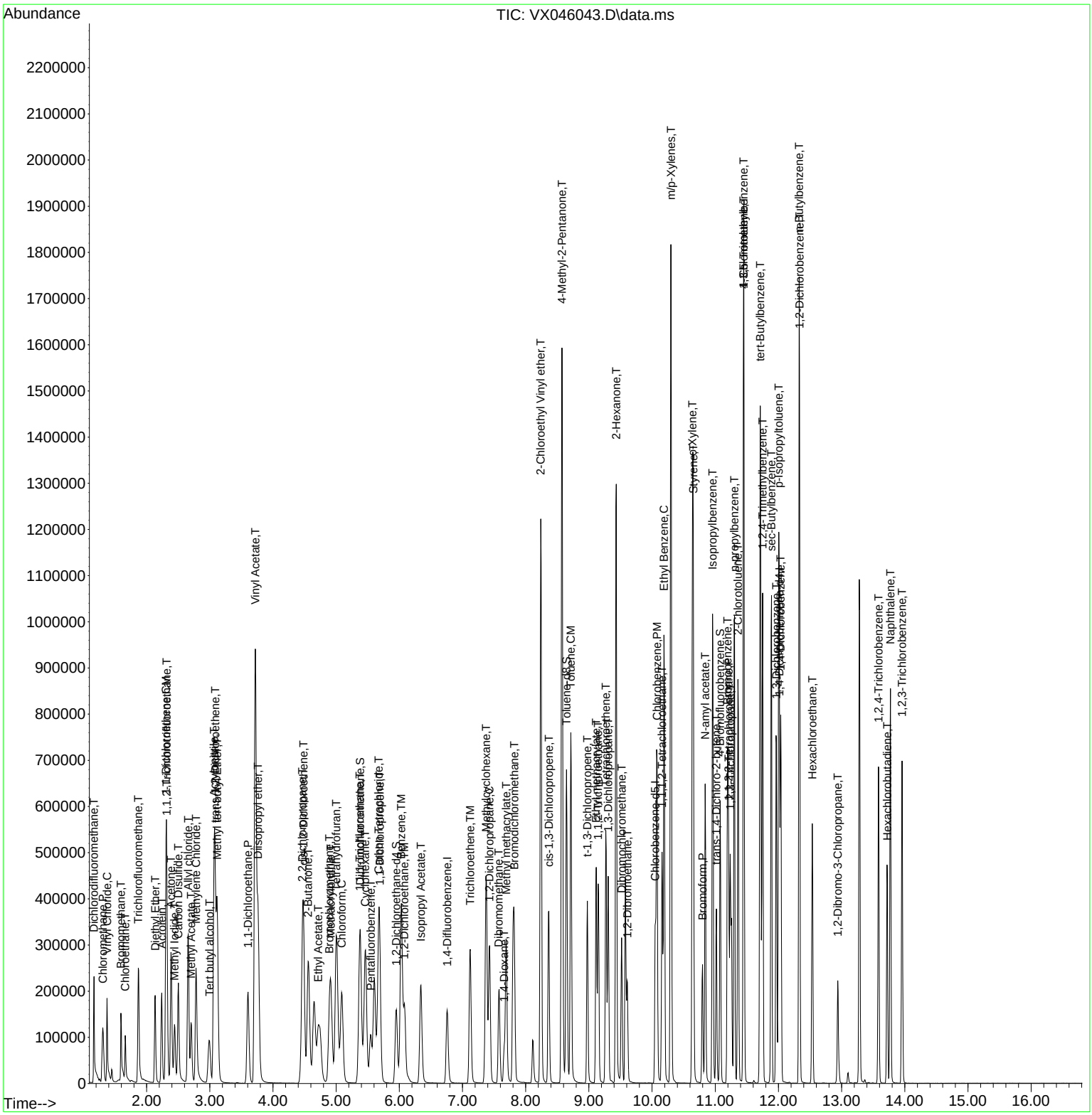
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

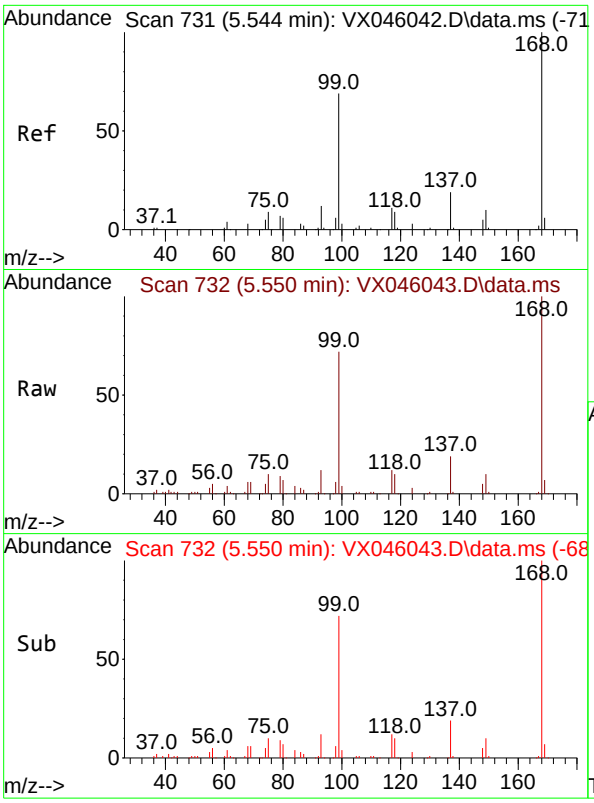
Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

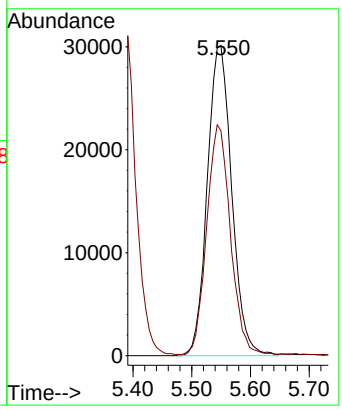




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:168 Resp: 8702

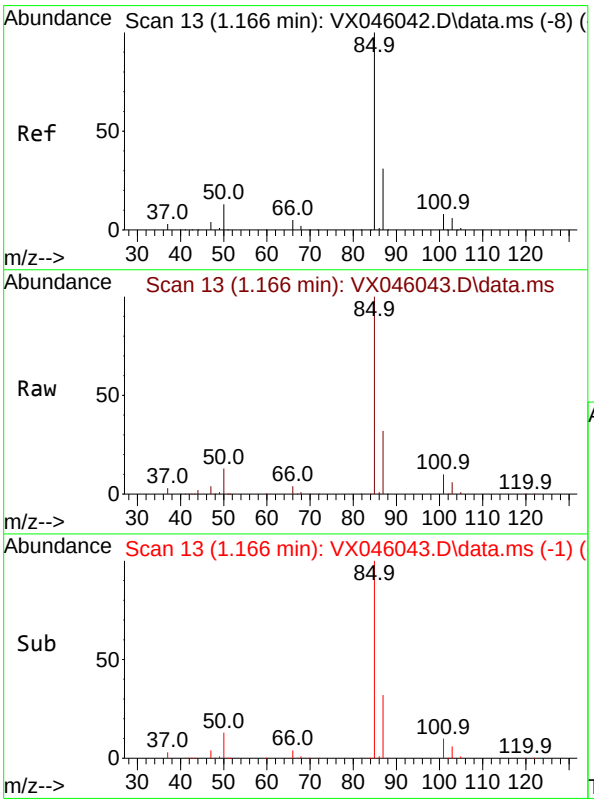
Ion	Ratio	Lower	Upper
168	100		
99	72.1	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

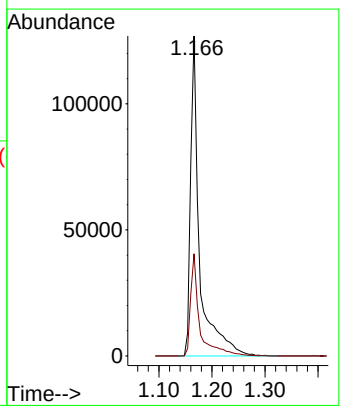
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

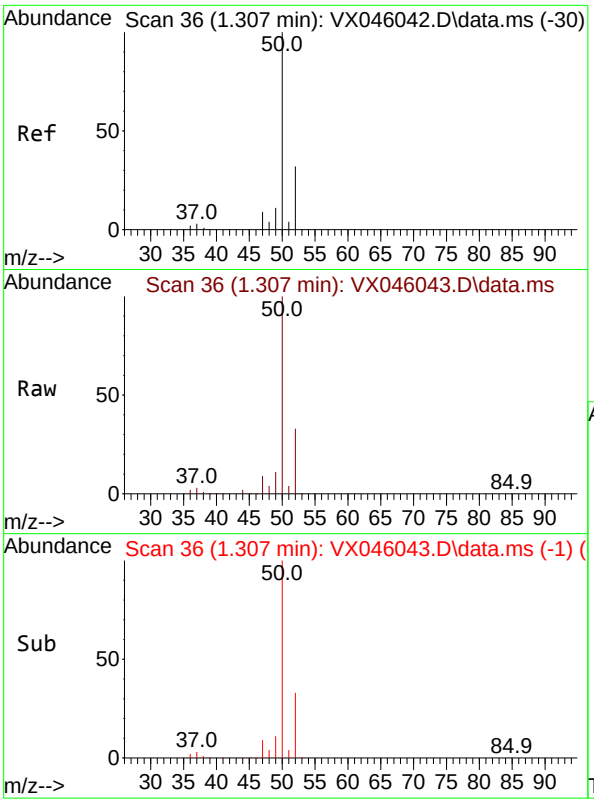


#2
Dichlorodifluoromethane
Concen: 77.828 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 85 Resp: 149508

Ion	Ratio	Lower	Upper
85	100		
87	32.0	15.7	47.1

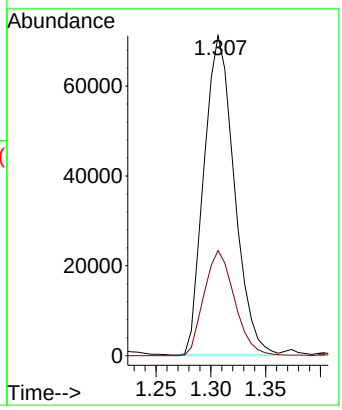




#3
Chloromethane
Concen: 72.392 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 50 Resp: 13693

Ion	Ratio	Lower	Upper
50	100		
52	32.9	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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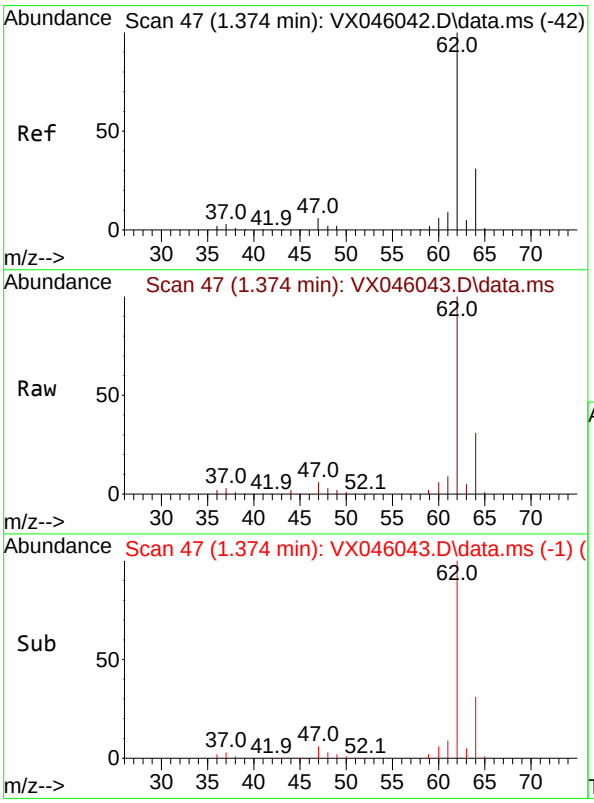
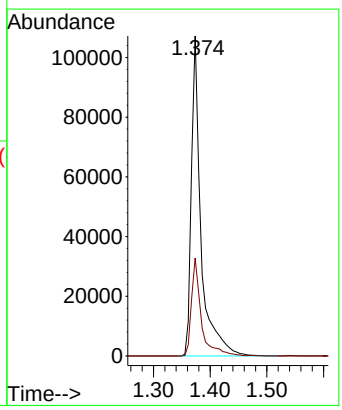
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

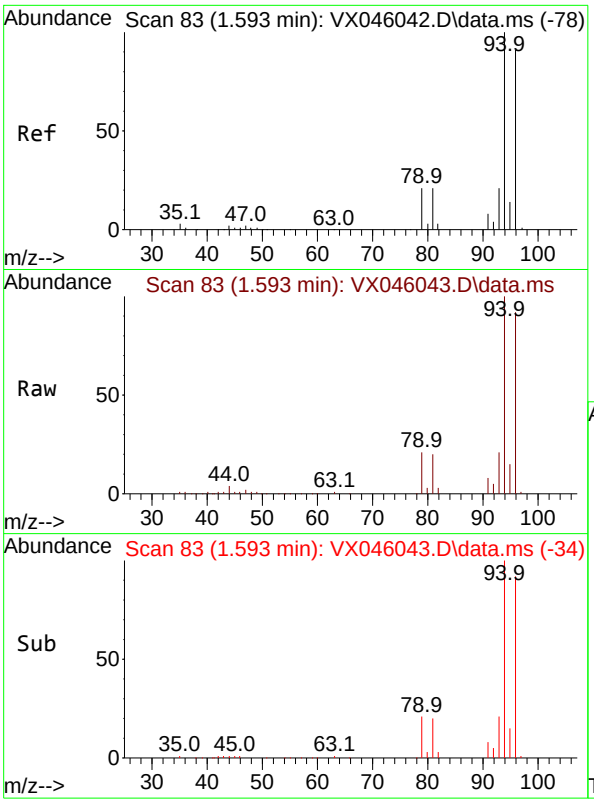


#4
Vinyl Chloride
Concen: 76.398 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 62 Resp: 126609

Ion	Ratio	Lower	Upper
62	100		
64	30.6	25.2	37.8

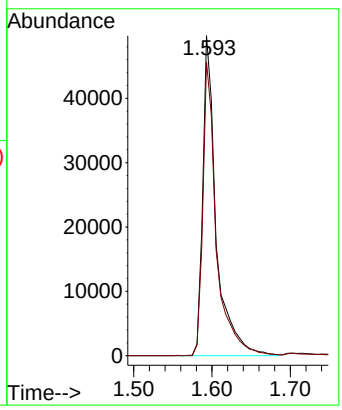




#5
Bromomethane
Concen: 70.507 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 94 Resp: 5924

Ion	Ratio	Lower	Upper
94	100		
96	91.7	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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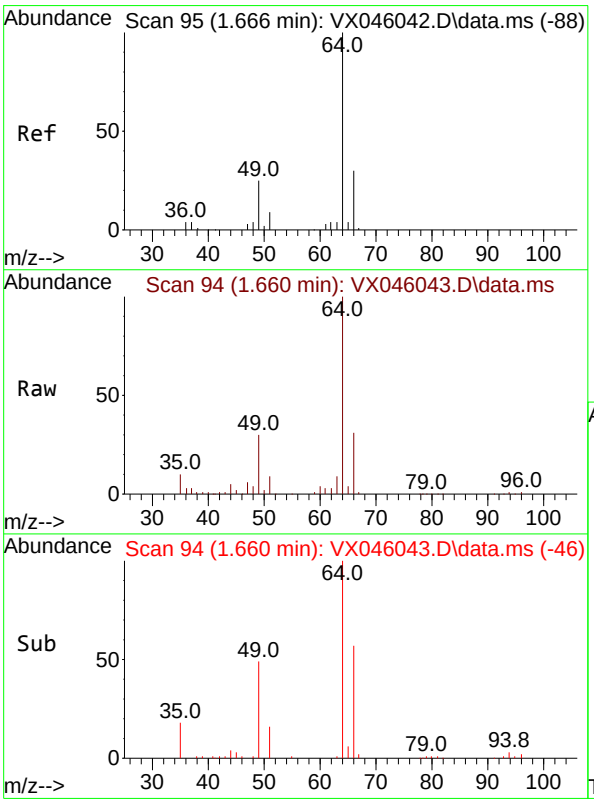
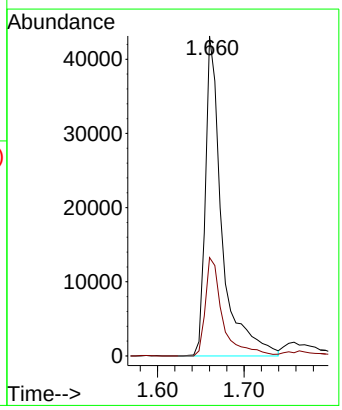
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

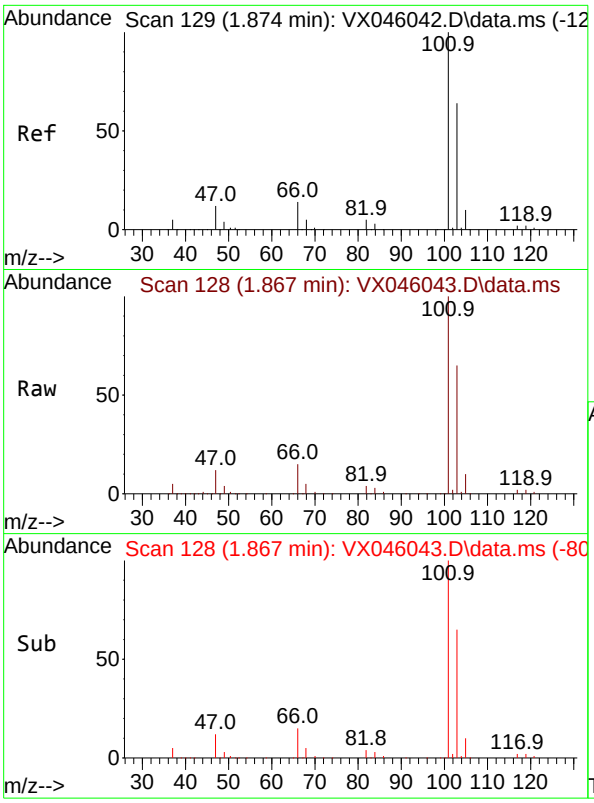


#6
Chloroethane
Concen: 67.148 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 64 Resp: 57332

Ion	Ratio	Lower	Upper
64	100		
66	30.8	24.3	36.5

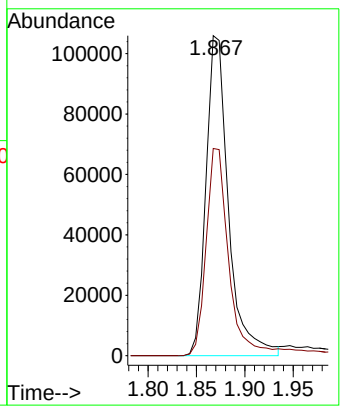




#7
Trichlorofluoromethane
Concen: 67.754 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:101 Resp: 17104

Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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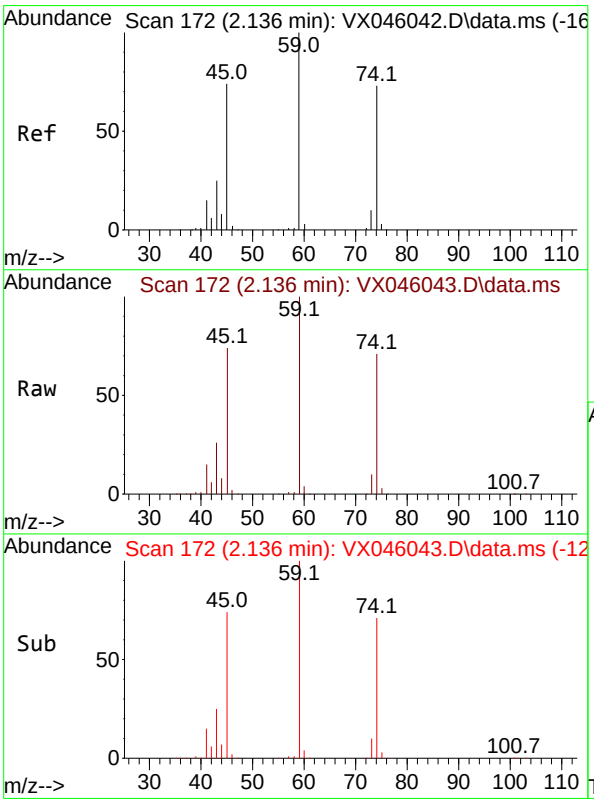
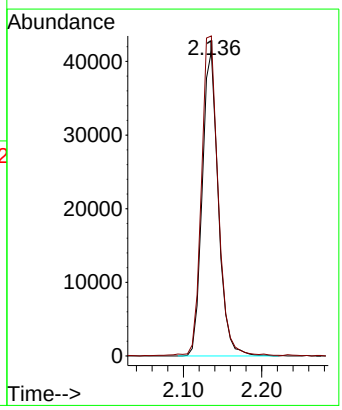
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

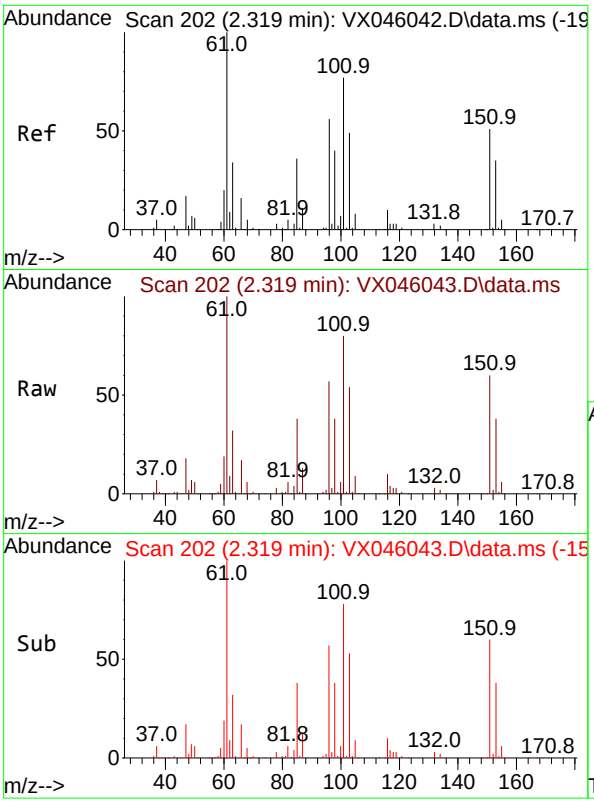


#8
Diethyl Ether
Concen: 70.807 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 74 Resp: 58762

Ion	Ratio	Lower	Upper
74	100		
45	110.1	54.9	164.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 72.604 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:101 Resp: 10952(

Ion	Ratio	Lower	Upper
101	100		
85	48.1	38.6	58.0
151	69.9	55.2	82.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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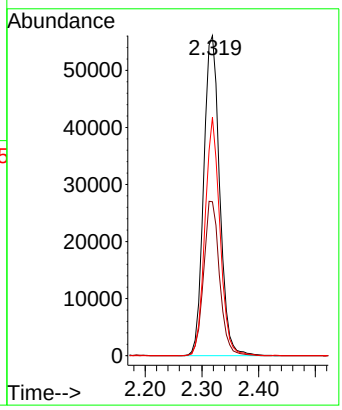
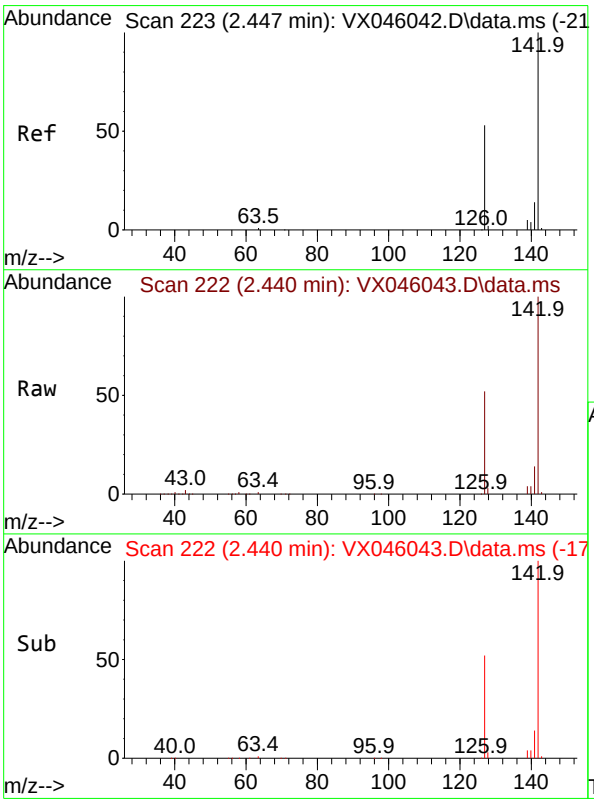
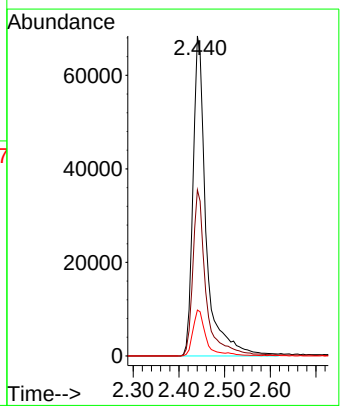


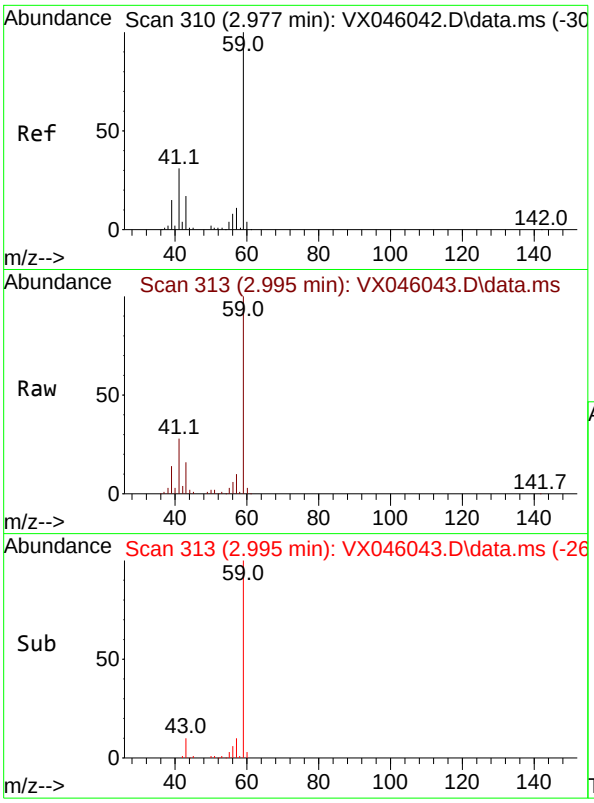


#10
Methyl Iodide
Concen: 77.943 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:142 Resp: 138045

Ion	Ratio	Lower	Upper
142	100		
127	52.0	41.7	62.5
141	14.5	11.5	17.3





#11
Tert butyl alcohol
Concen: 405.394 ug/l
RT: 2.995 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 59 Resp: 12509

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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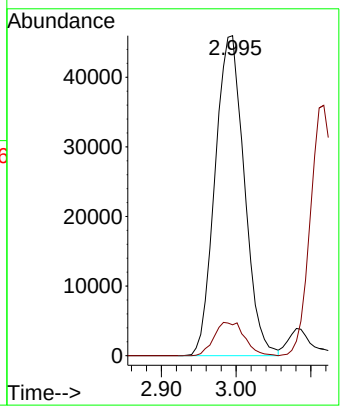
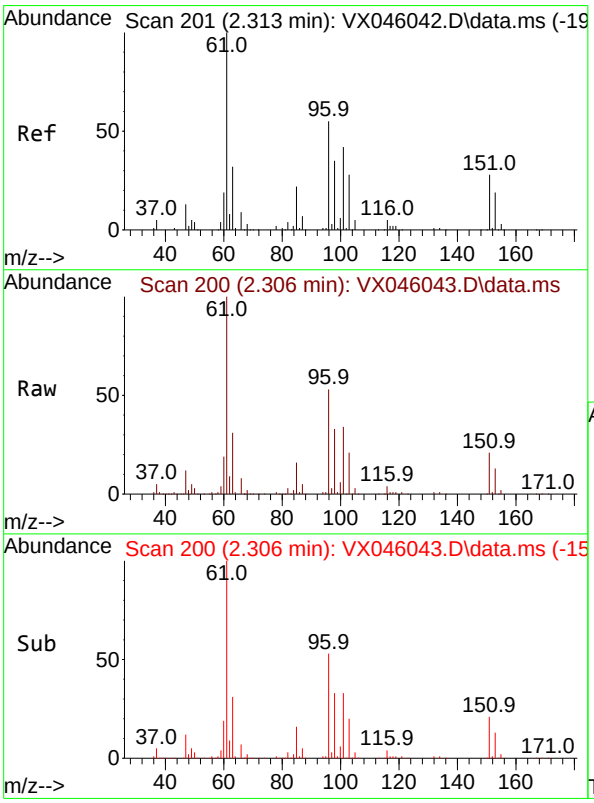
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

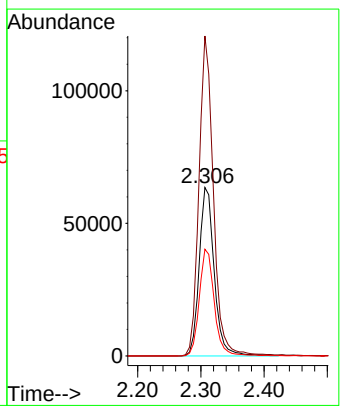


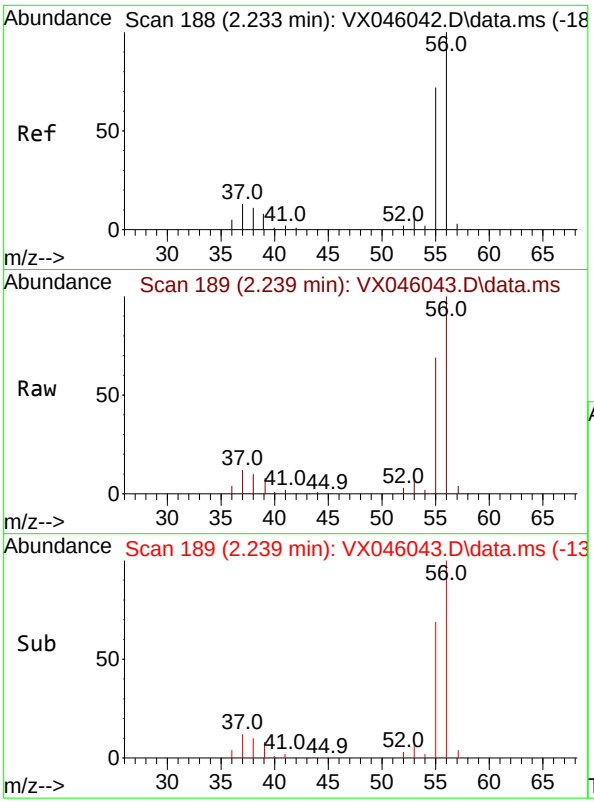


#12
1,1-Dichloroethene
Concen: 71.884 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 96 Resp: 105566

Ion	Ratio	Lower	Upper
96	100		
61	189.9	146.2	219.2
98	63.3	51.0	76.6

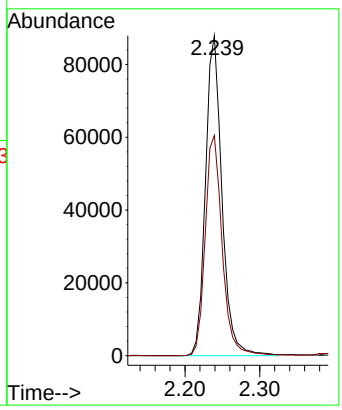




#13
Acrolein
Concen: 375.132 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 56 Resp: 13445

Ion	Ratio	Lower	Upper
56	100		
55	71.3	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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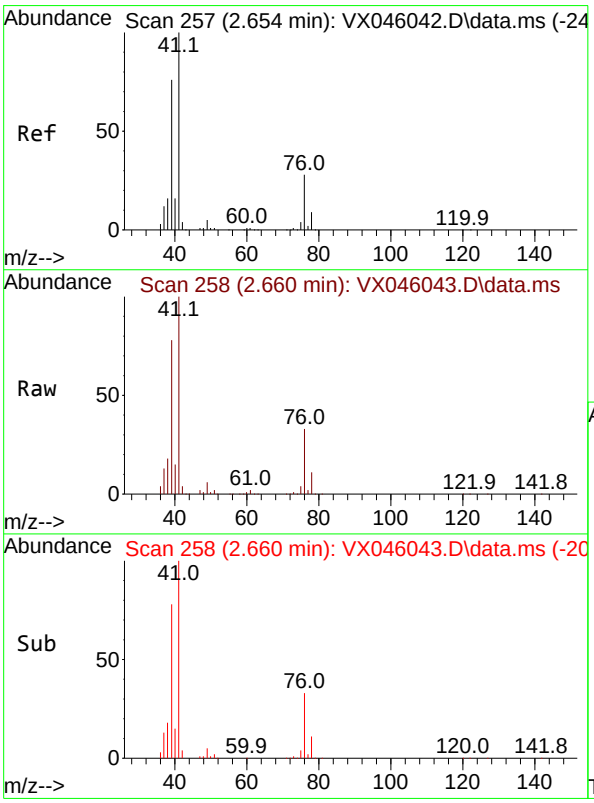
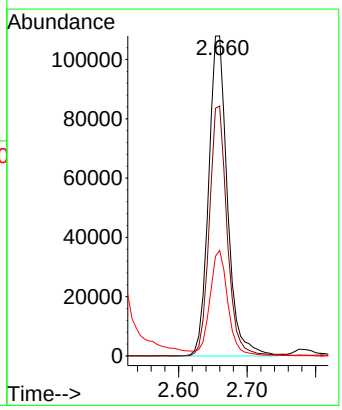
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

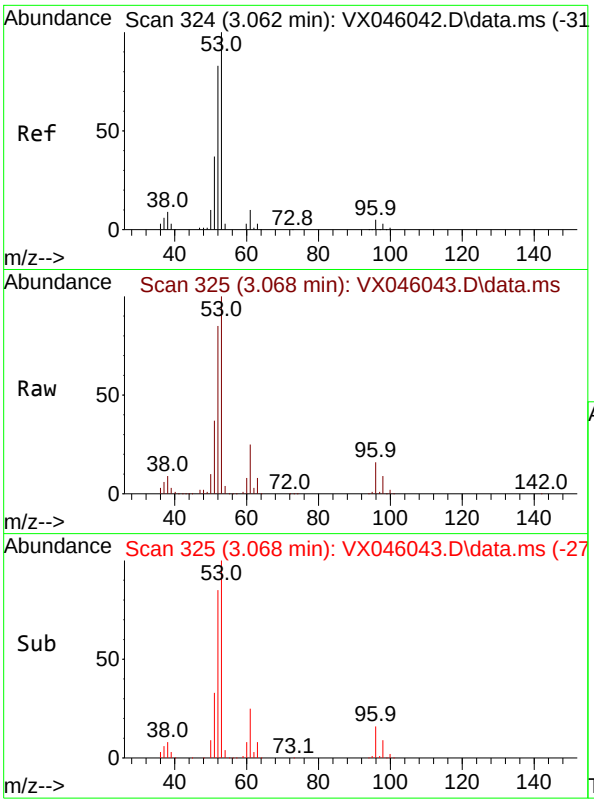


#14
Allyl chloride
Concen: 74.419 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 41 Resp: 206519

Ion	Ratio	Lower	Upper
41	100		
39	73.8	60.6	90.8
76	31.4	24.9	37.3

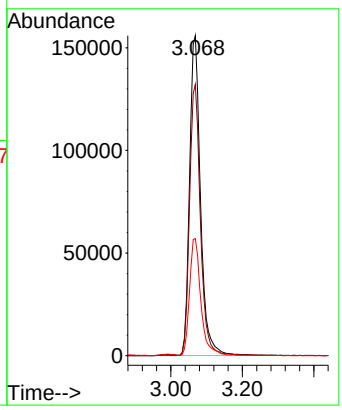




#15
Acrylonitrile
Concen: 358.723 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 53 Resp: 33114

Ion	Ratio	Lower	Upper
53	100		
52	84.7	65.3	97.9
51	37.9	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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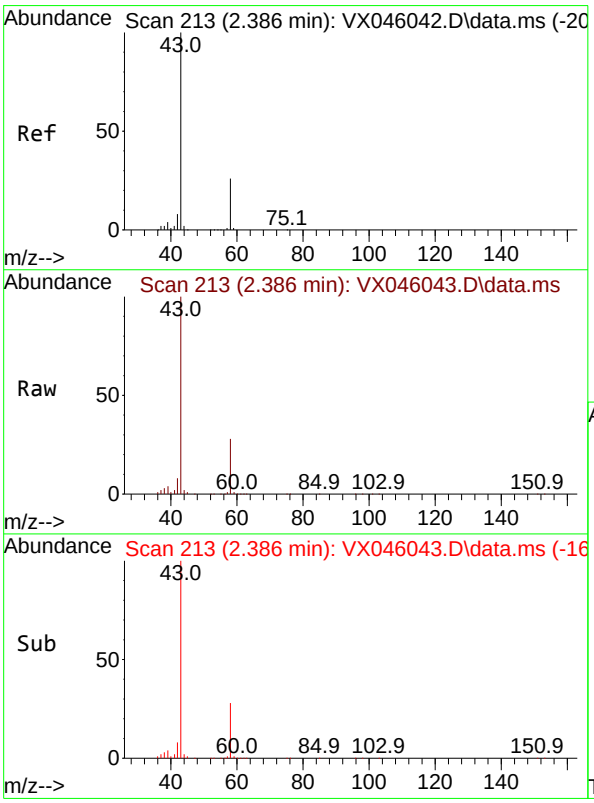
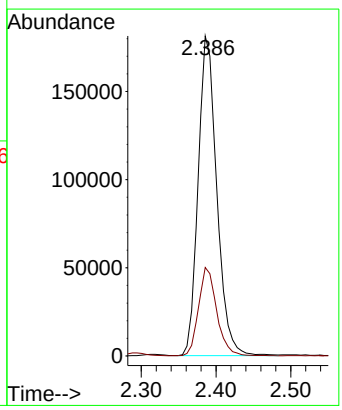
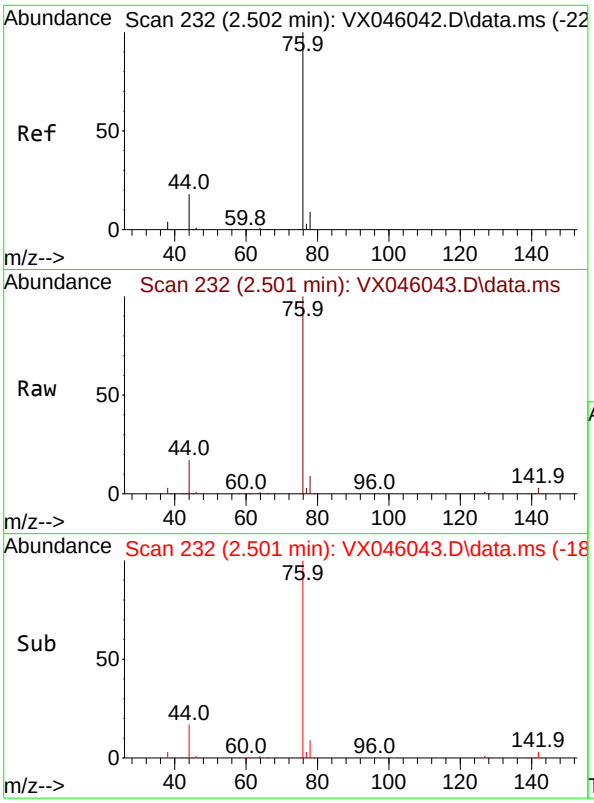


#16
Acetone
Concen: 354.936 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 314383

Ion	Ratio	Lower	Upper
43	100		
58	27.6	21.2	31.8

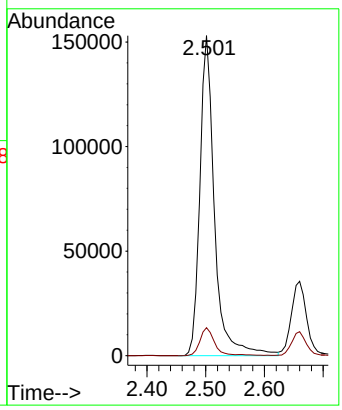




#17
Carbon Disulfide
Concen: 77.867 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 76 Resp: 26495

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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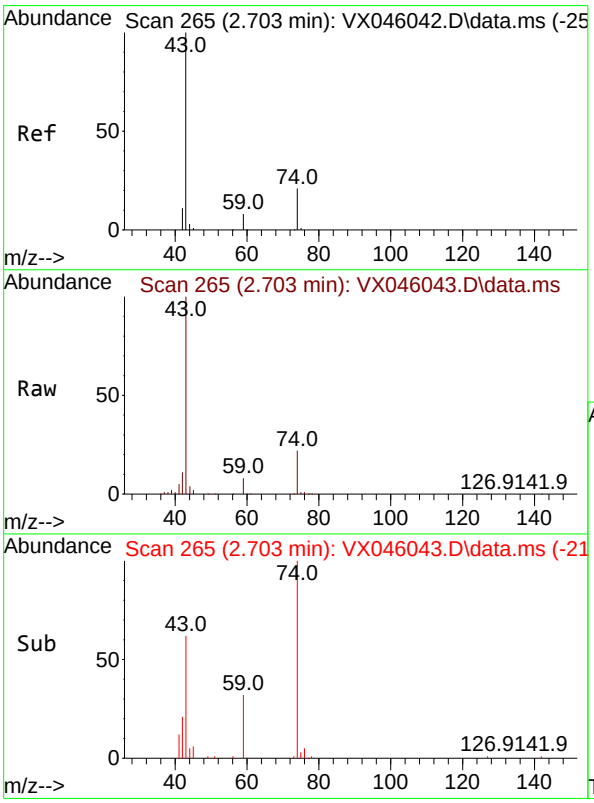
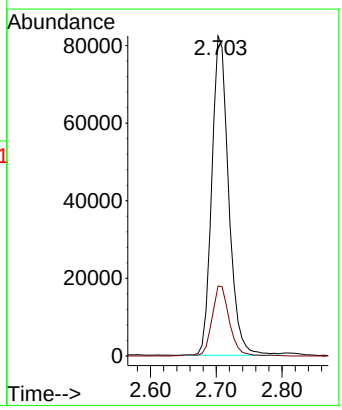
Supervised By :Mahesh Dadoda 05/06/2025

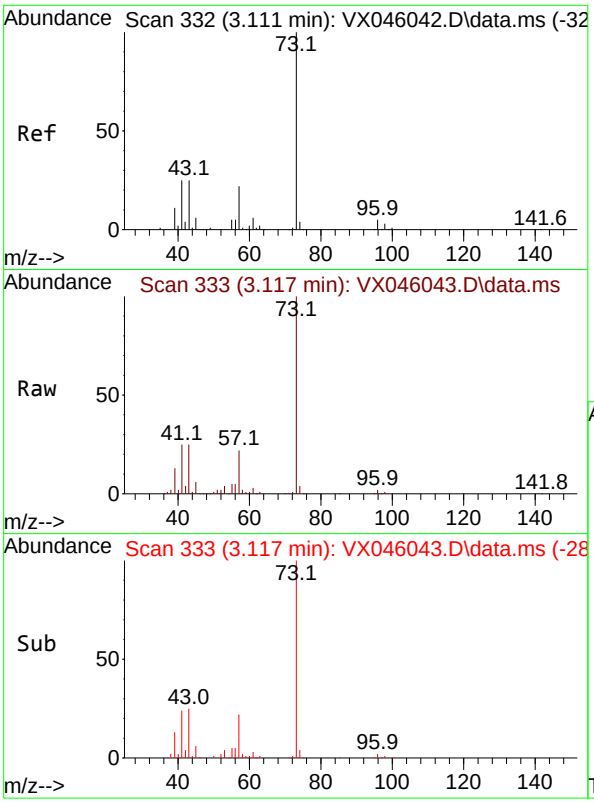


#18
Methyl Acetate
Concen: 69.531 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 147014

Ion	Ratio	Lower	Upper
43	100		
74	22.6	16.7	25.1

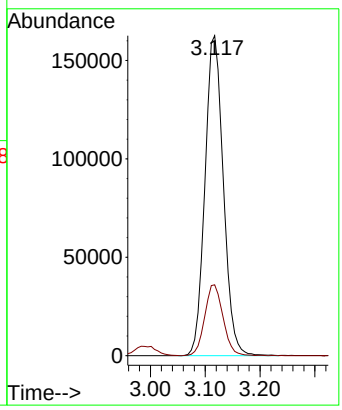




#19
Methyl tert-butyl Ether
Concen: 73.818 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 73 Resp: 37811

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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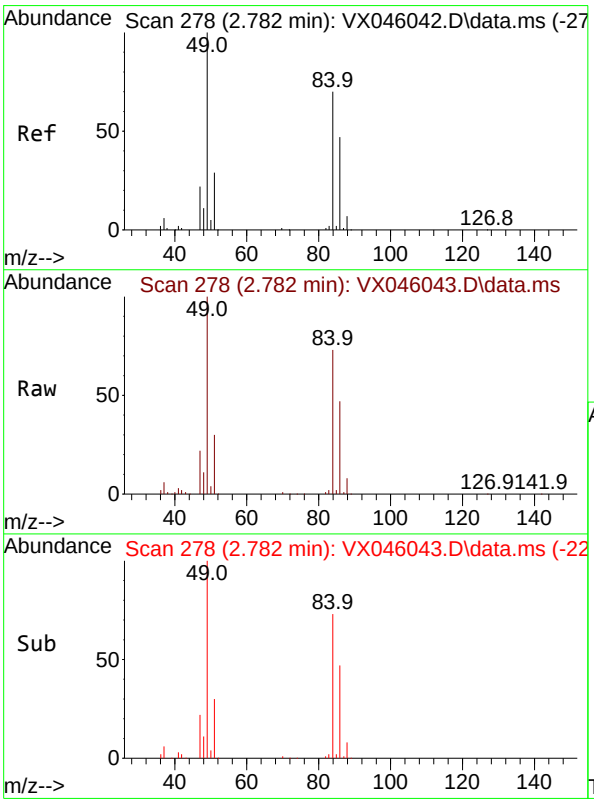
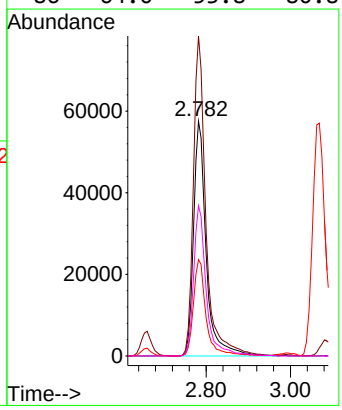
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

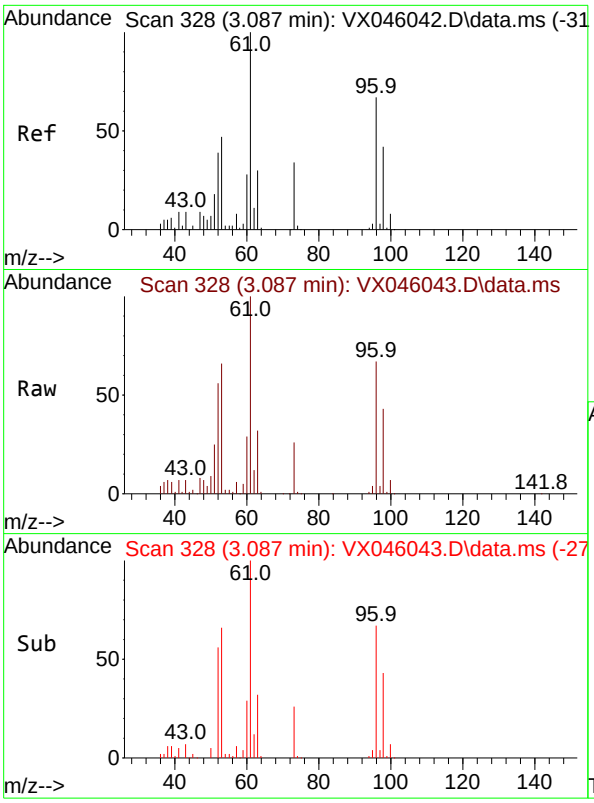


#20
Methylene Chloride
Concen: 67.030 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 84 Resp: 120270

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

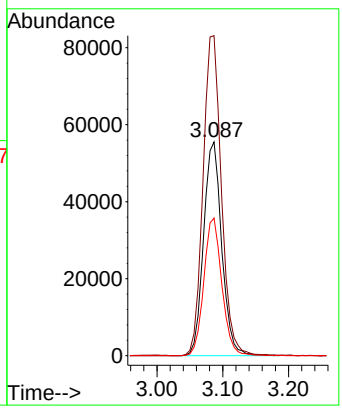




#21
trans-1,2-Dichloroethene
Concen: 71.109 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 96 Resp: 10660

Ion	Ratio	Lower	Upper
96	100		
61	149.7	119.5	179.3
98	64.4	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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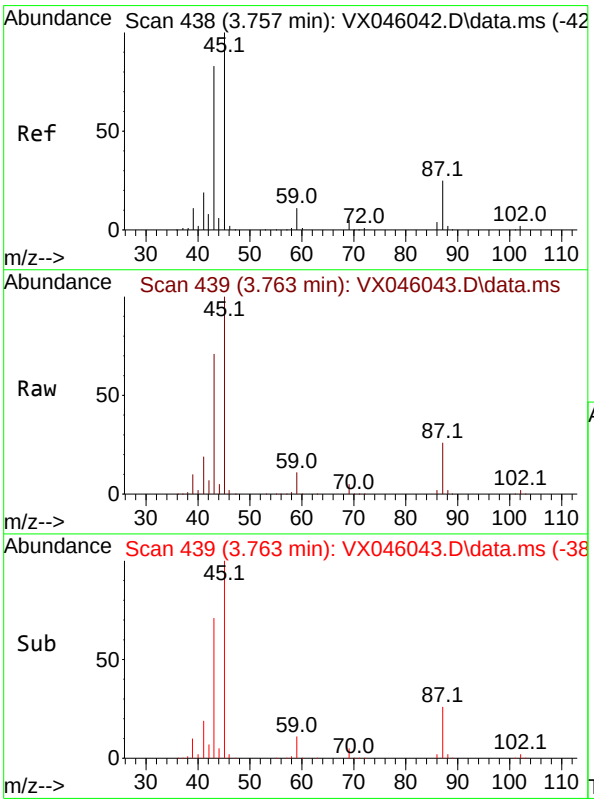
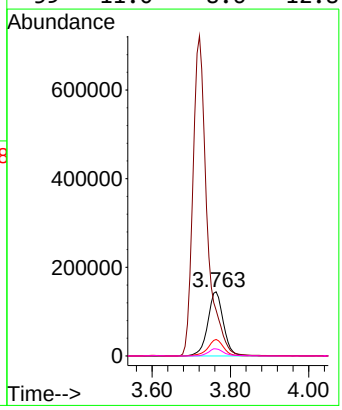
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

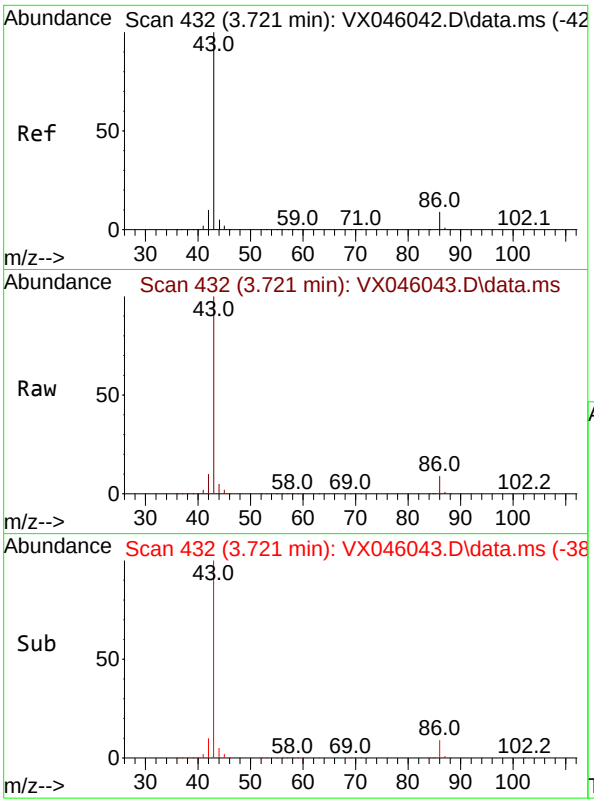


#22
Diisopropyl ether
Concen: 77.048 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 45 Resp: 399494

Ion	Ratio	Lower	Upper
45	100		
43	71.2	66.6	100.0
87	25.7	19.8	29.6
59	11.0	8.6	12.8





#23
Vinyl Acetate
Concen: 395.363 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 181155

Ion	Ratio	Lower	Upper
43	100		
86	9.5	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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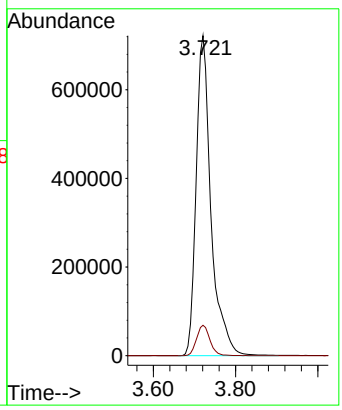
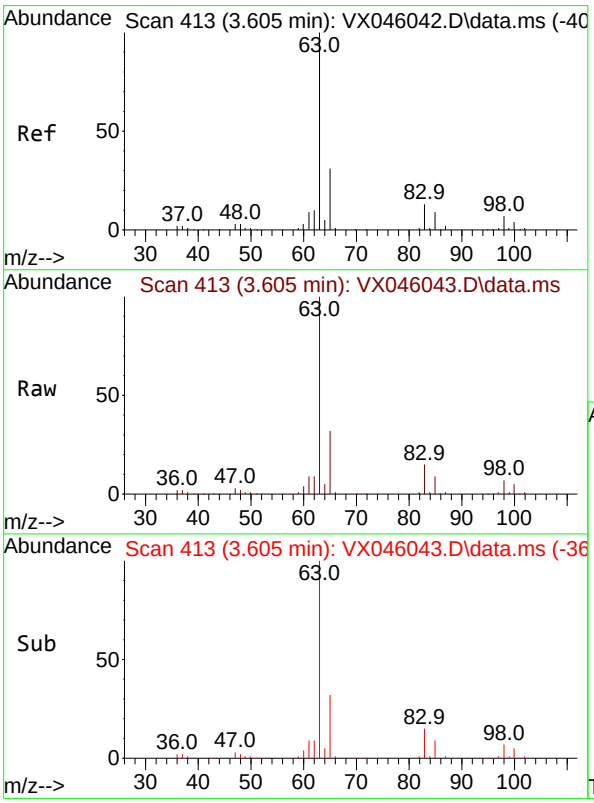
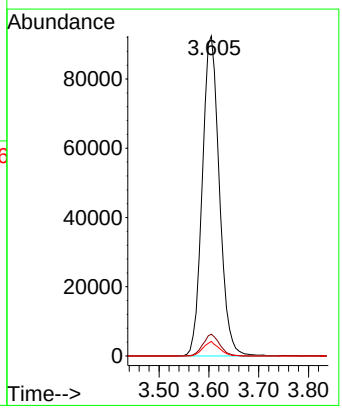


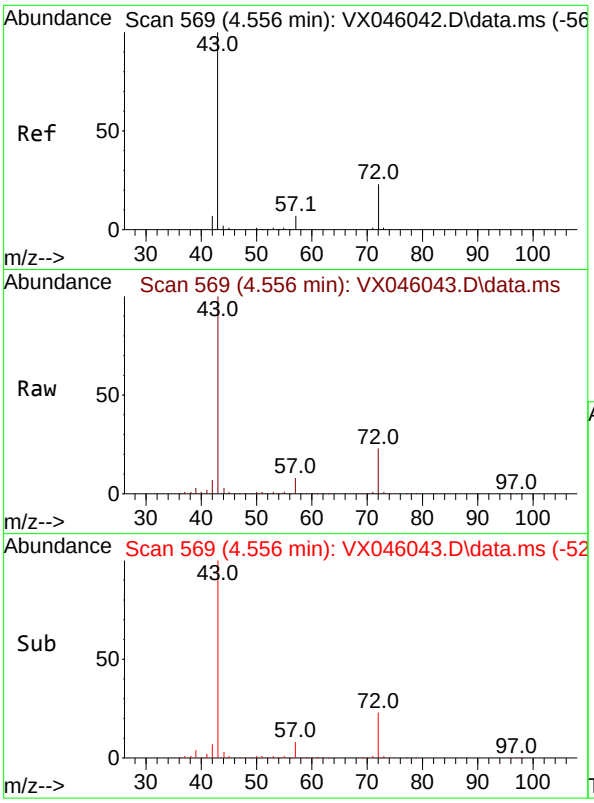


#24
1,1-Dichloroethane
Concen: 72.114 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 63 Resp: 219759

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.6	10.8
100	4.5	2.1	6.3





#25
2-Butanone
Concen: 379.704 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 48544

Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.4	27.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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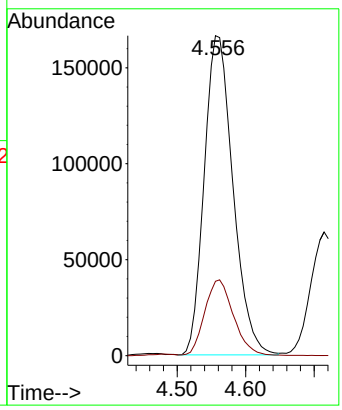
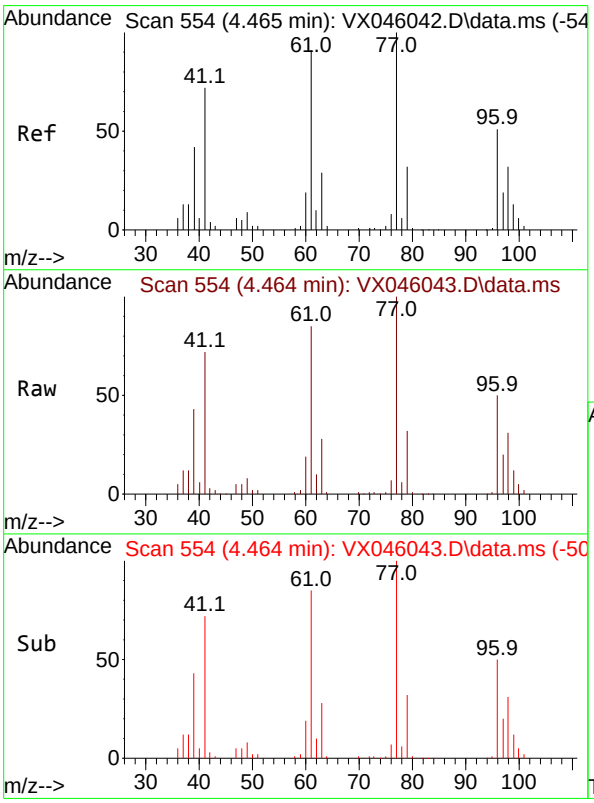
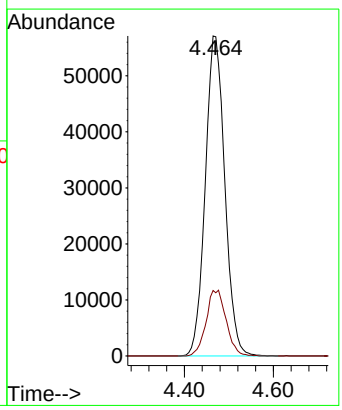


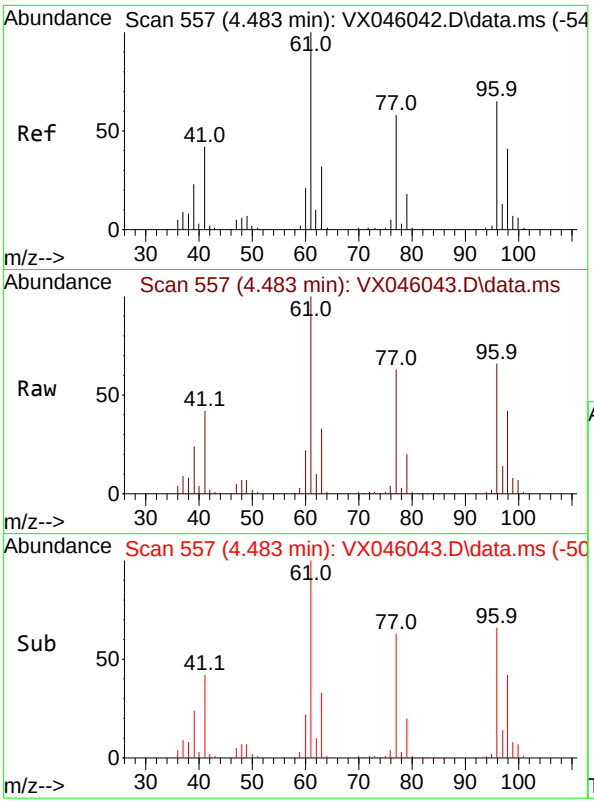


#26
2,2-Dichloropropane
Concen: 75.621 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 77 Resp: 174579

Ion	Ratio	Lower	Upper
77	100		
97	21.1	10.5	31.5





#27
cis-1,2-Dichloroethene
Concen: 71.056 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 96 Resp: 12845

Ion	Ratio	Lower	Upper
96	100		
61	160.1	0.0	322.8
98	64.9	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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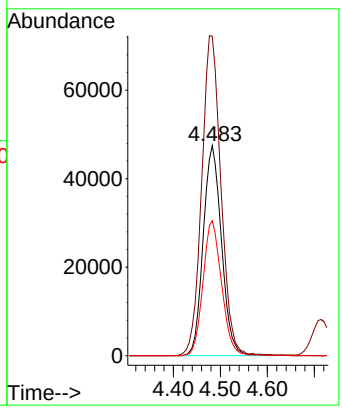
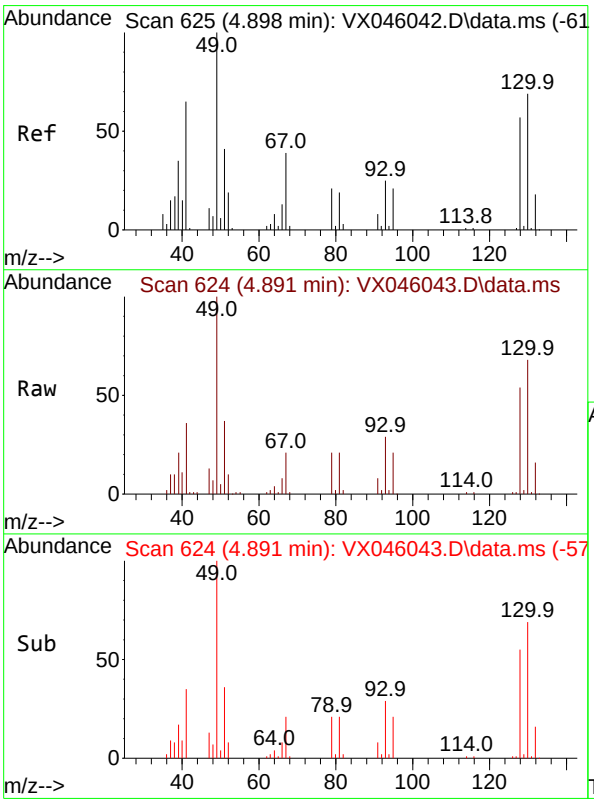
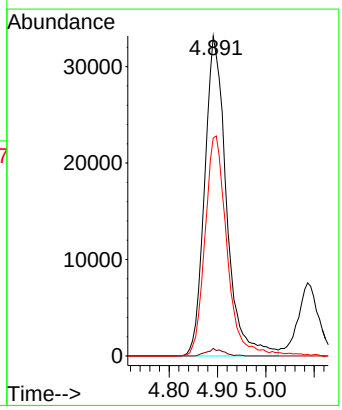


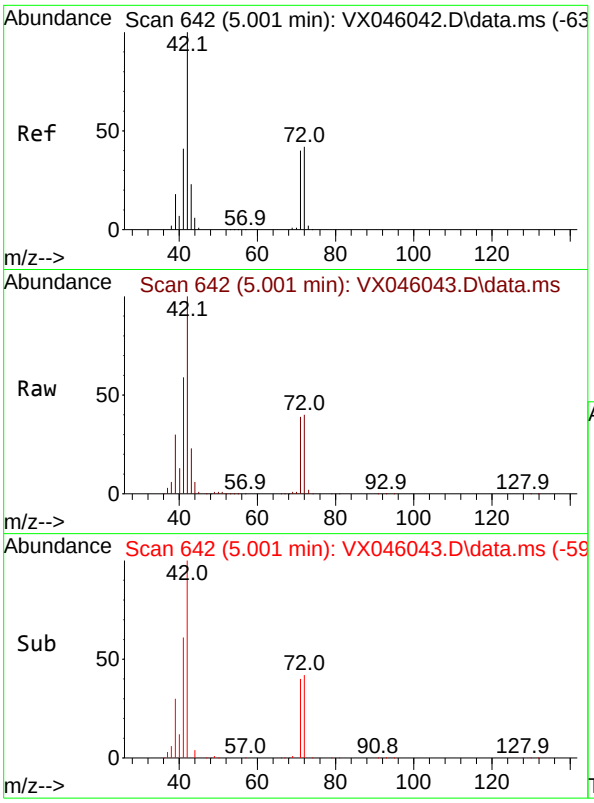


#28
Bromochloromethane
Concen: 63.932 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 49 Resp: 103602

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	70.1	56.2	84.2





#29
Tetrahydrofuran
Concen: 368.234 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 42 Resp: 30575

Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.7	50.5
71	38.7	31.4	47.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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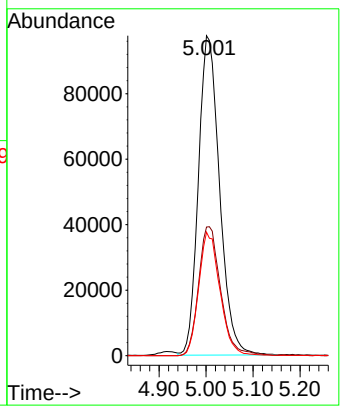
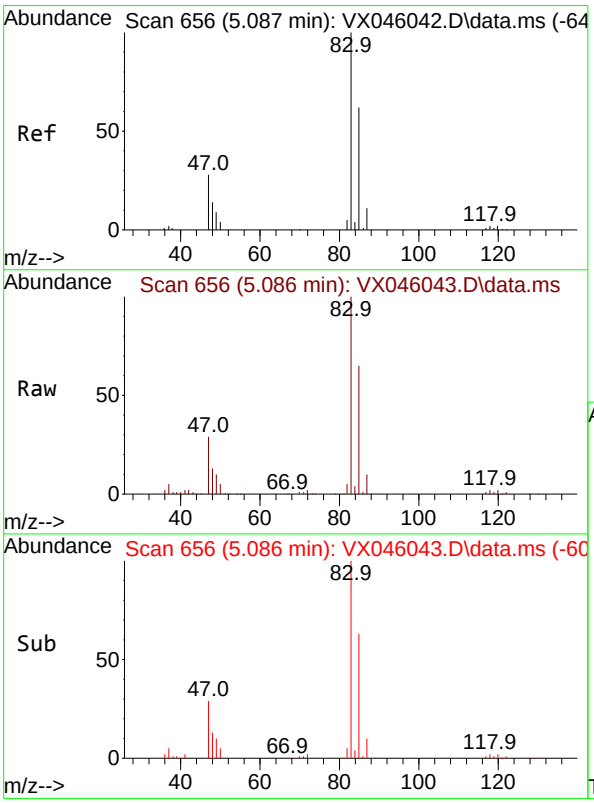
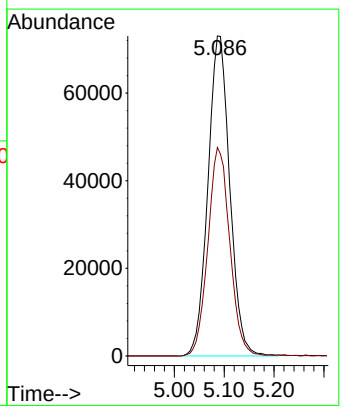


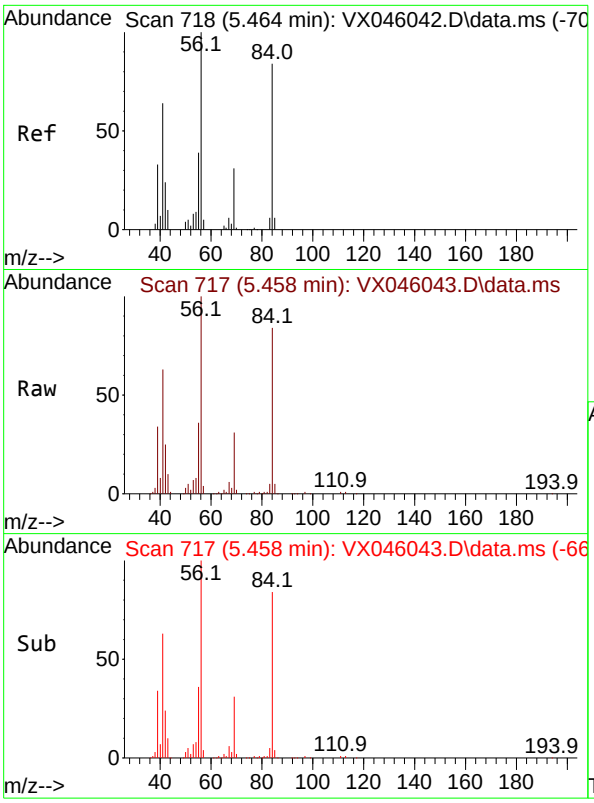


#30
Chloroform
Concen: 70.180 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 83 Resp: 222253

Ion	Ratio	Lower	Upper
83	100		
85	65.1	49.3	73.9





#31
Cyclohexane
Concen: 76.428 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 56 Resp: 19630

Ion	Ratio	Lower	Upper
56	100		
69	31.2	24.4	36.6
84	82.3	66.9	100.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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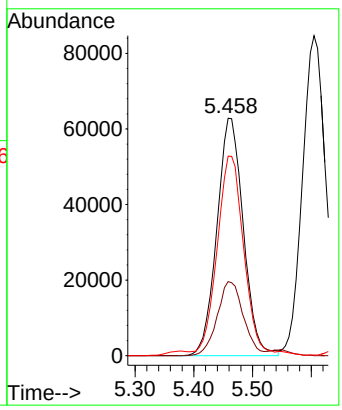
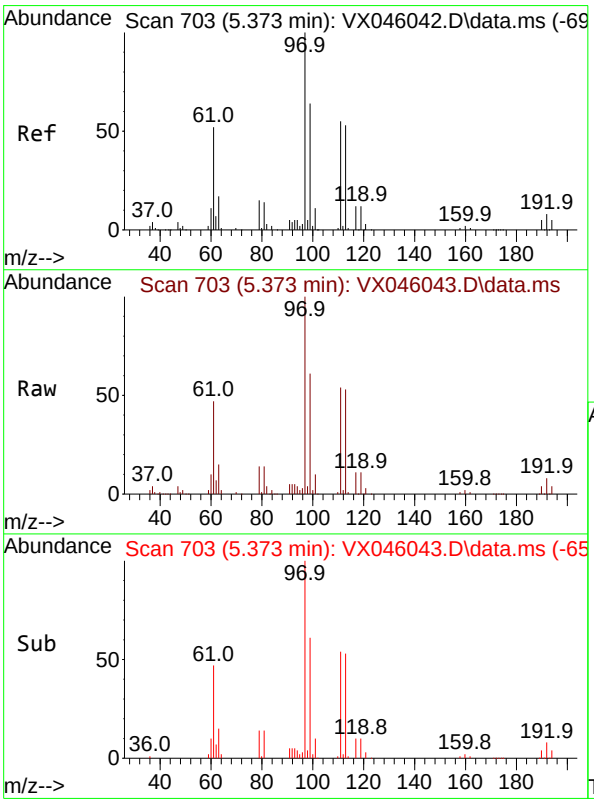
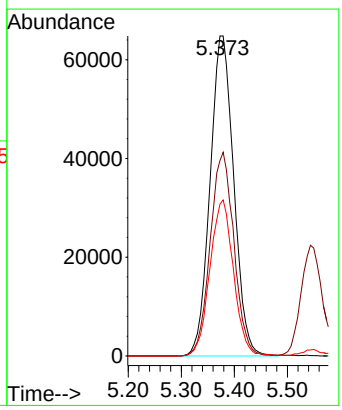


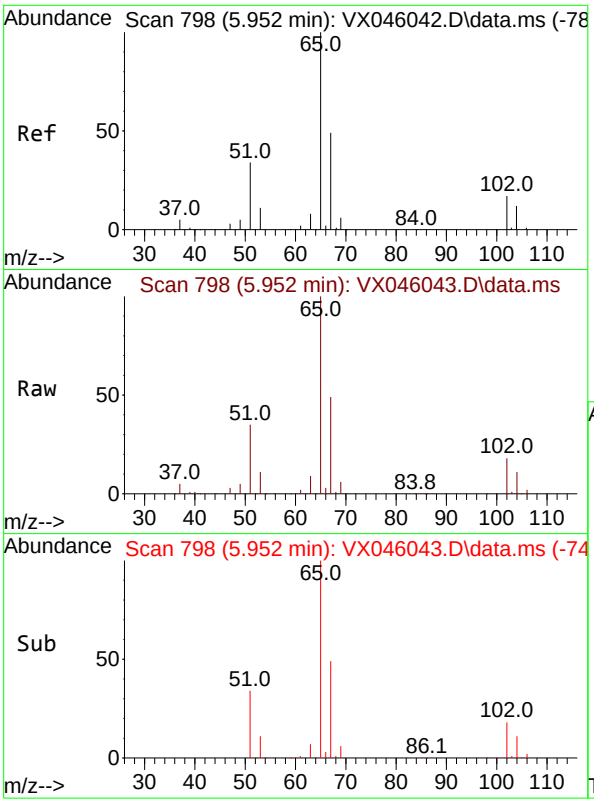


#32
1,1,1-Trichloroethane
Concen: 73.635 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 97 Resp: 201112

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.8	77.6
61	48.7	40.1	60.1





#33
1,2-Dichloroethane-d4
Concen: 62.526 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 65 Resp: 16187

Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	99.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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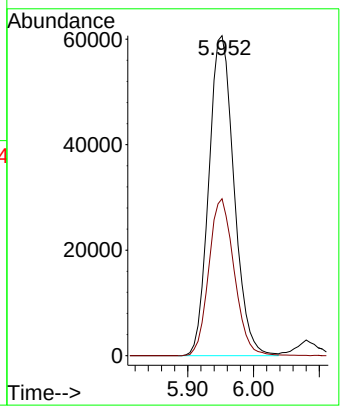
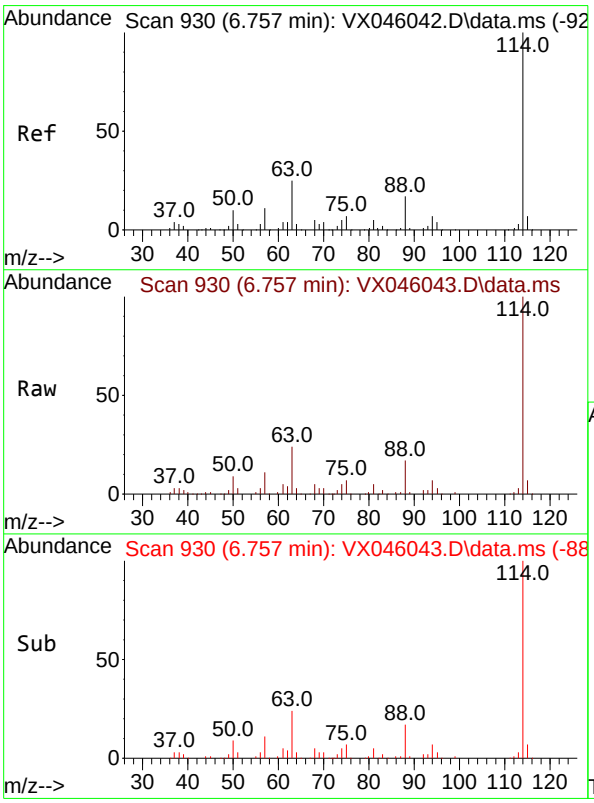
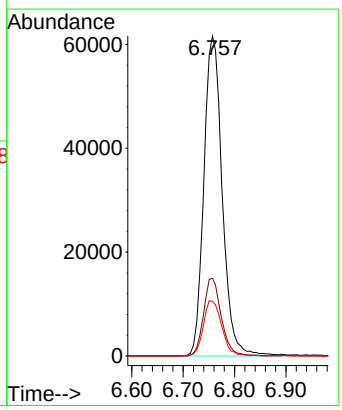


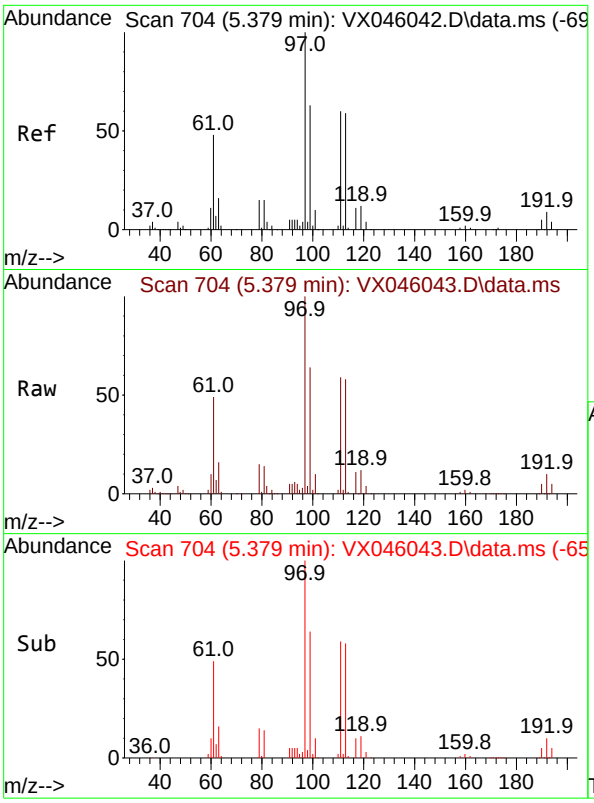


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:114 Resp: 152958

Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	49.2
88	17.1	0.0	33.6

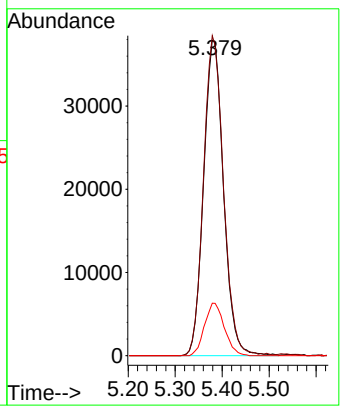




#35
Dibromofluoromethane
Concen: 65.006 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:113 Resp: 11145

Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.1	124.7
192	16.6	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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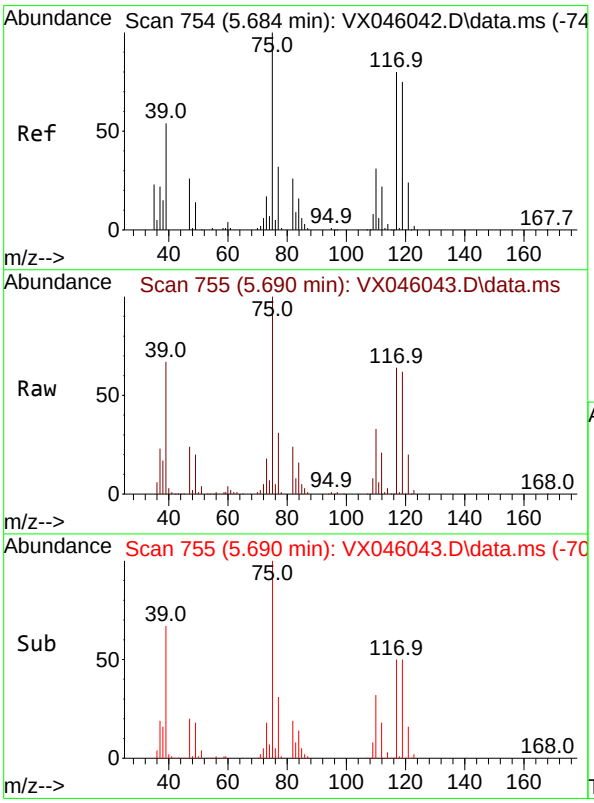
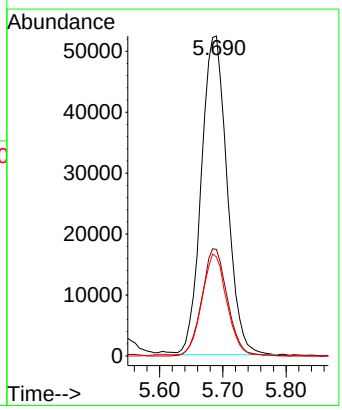
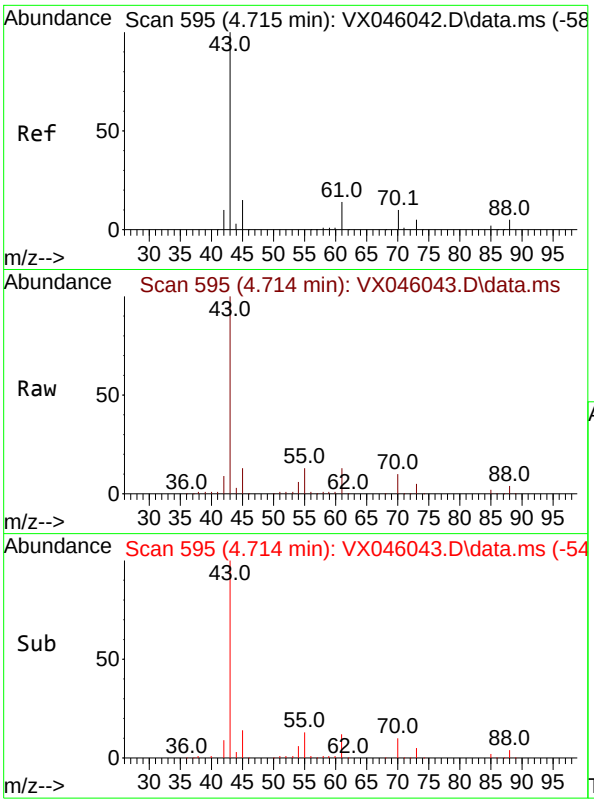


#36
1,1-Dichloropropene
Concen: 74.285 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 75 Resp: 147873

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.3	48.9
77	31.1	24.3	36.5





#37
Ethyl Acetate
Concen: 74.565 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 18621

Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.3	15.5
70	9.9	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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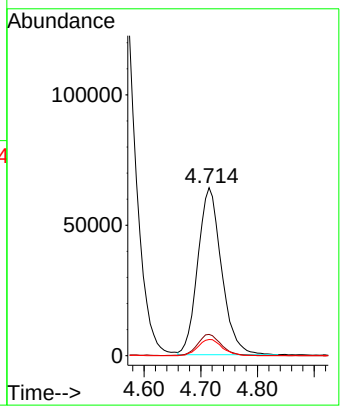
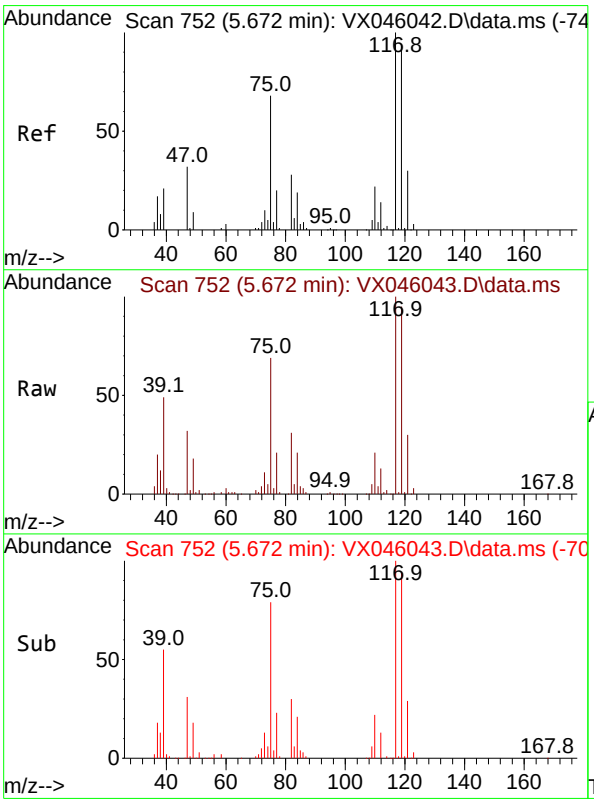
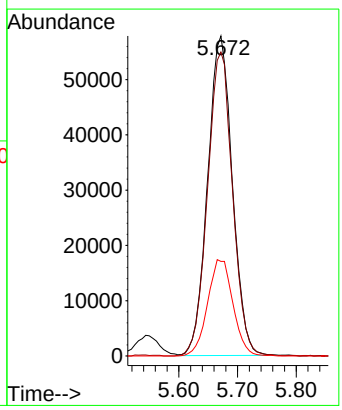


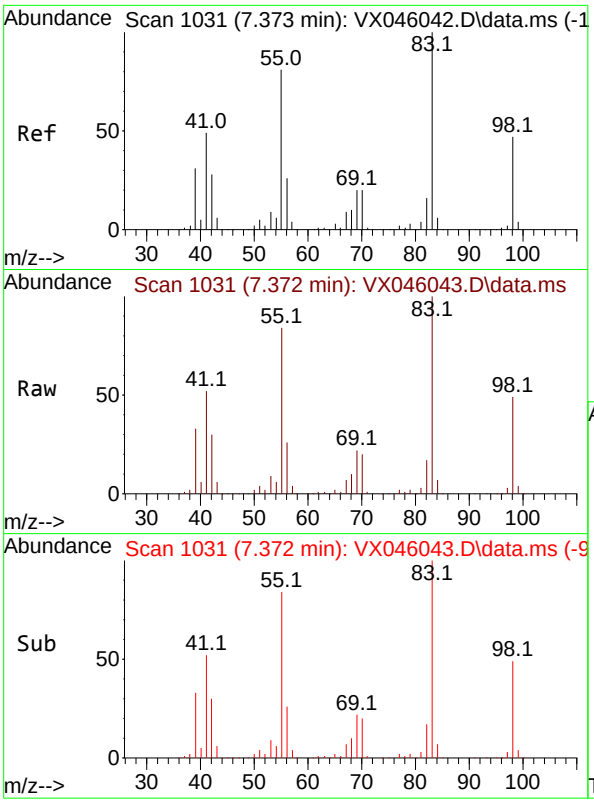


#38
Carbon Tetrachloride
Concen: 73.875 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:117 Resp: 168946

Ion	Ratio	Lower	Upper
117	100		
119	95.0	75.2	112.8
121	29.6	24.2	36.4

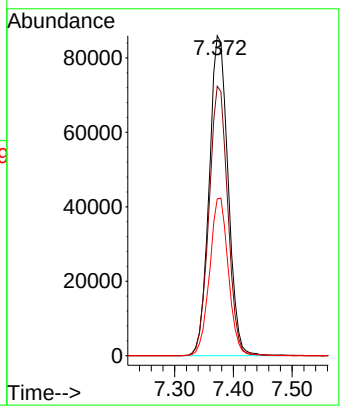




#39
Methylcyclohexane
Concen: 76.952 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 83 Resp: 19194

Ion	Ratio	Lower	Upper
83	100		
55	84.2	64.7	97.1
98	49.0	37.4	56.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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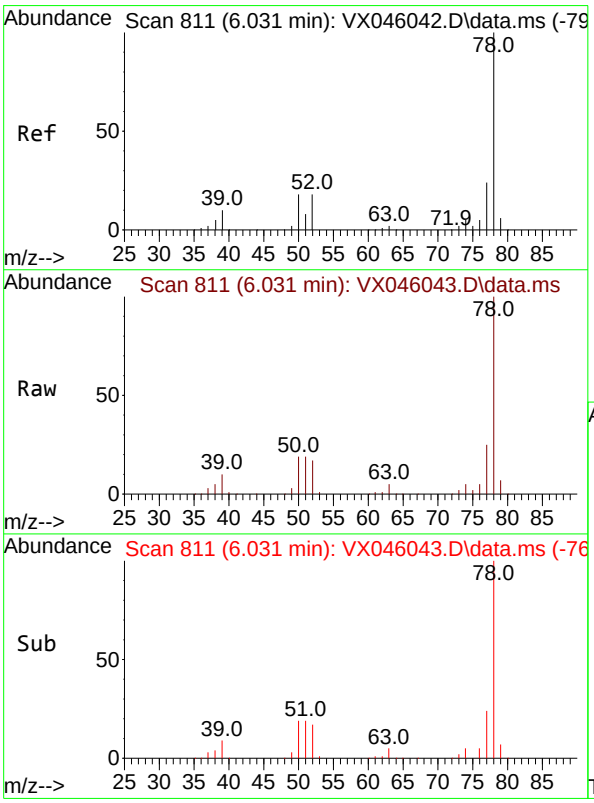
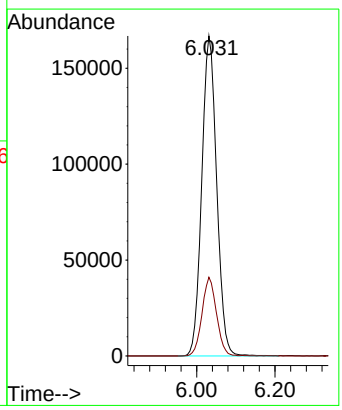
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

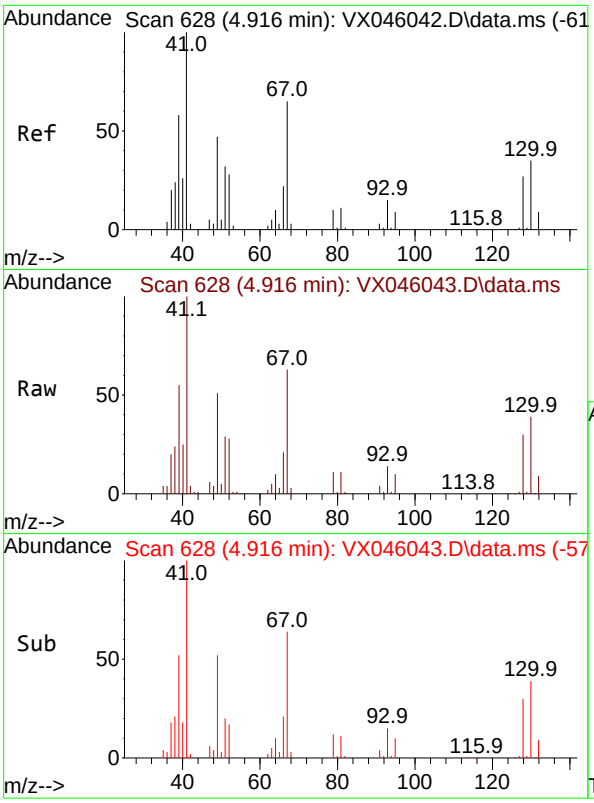


#40
Benzene
Concen: 71.457 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 78 Resp: 440885

Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.0	28.4

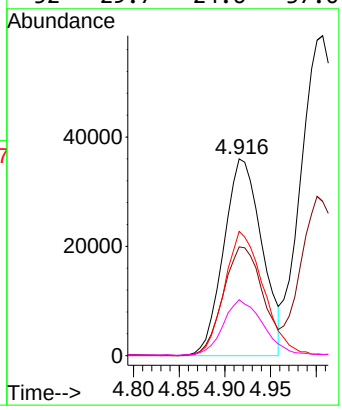




#41
Methacrylonitrile
Concen: 75.574 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 41 Resp: 10486

Ion	Ratio	Lower	Upper
41	100		
39	57.0	47.2	70.8
67	64.6	50.7	76.1
52	29.7	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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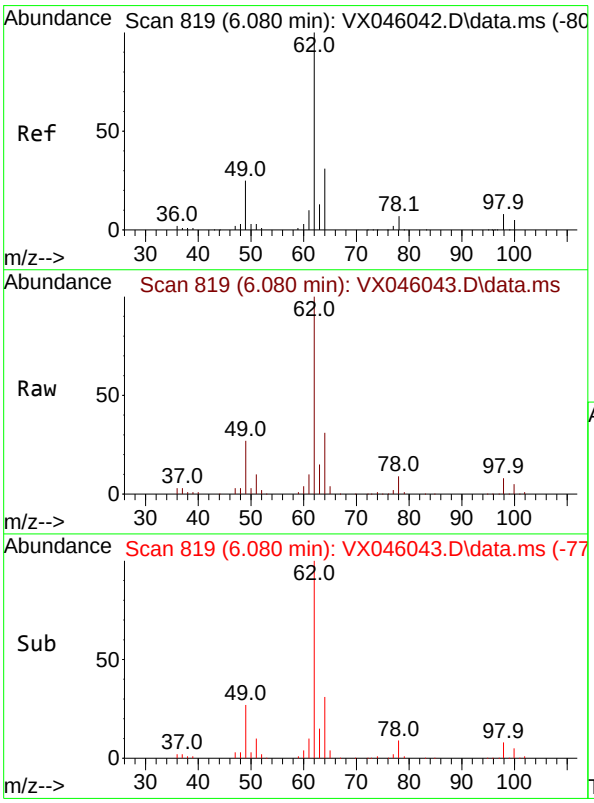
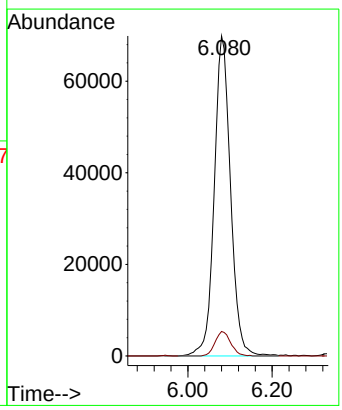
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

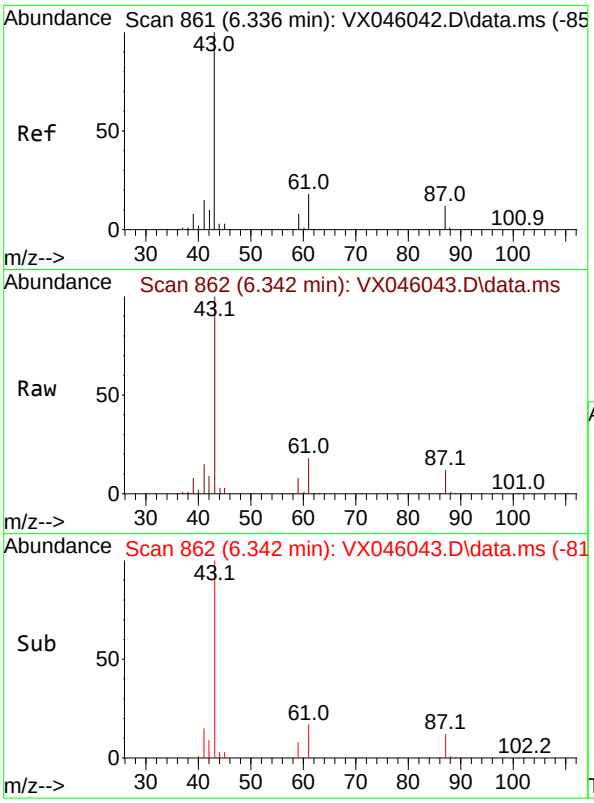


#42
1,2-Dichloroethane
Concen: 73.318 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 62 Resp: 187036

Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.2





#43
Isopropyl Acetate
Concen: 78.714 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 30049

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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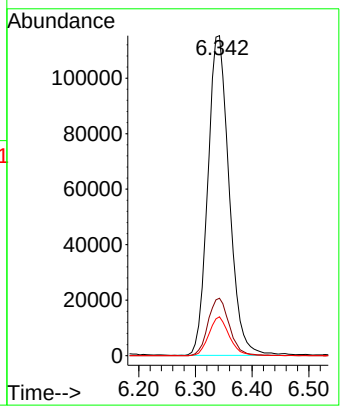
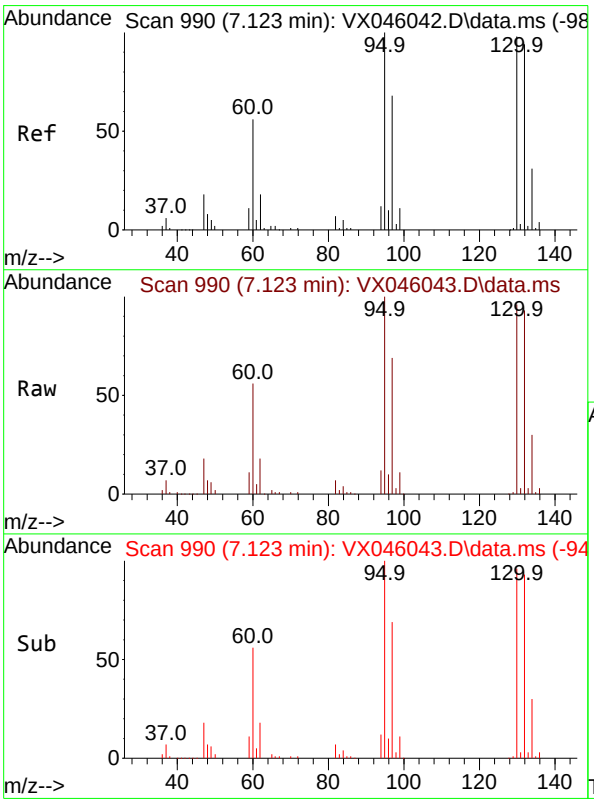
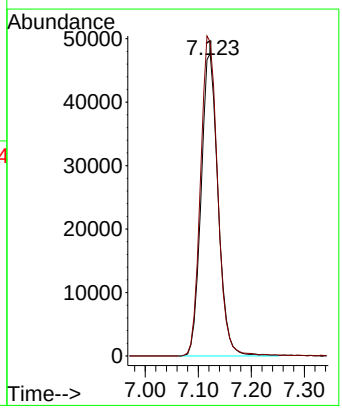


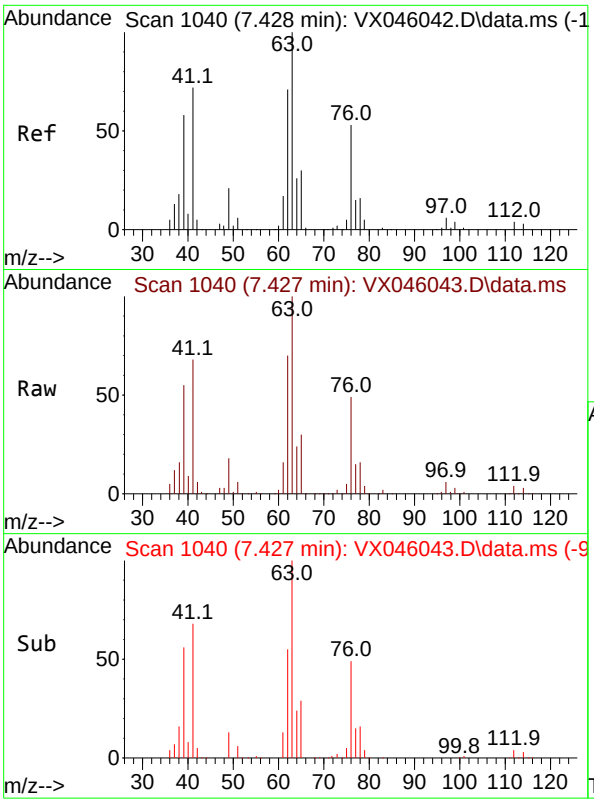


#44
Trichloroethene
Concen: 72.420 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:130 Resp: 105628

Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	204.2





#45
1,2-Dichloropropane
Concen: 73.420 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 63 Resp: 11255

Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.1	36.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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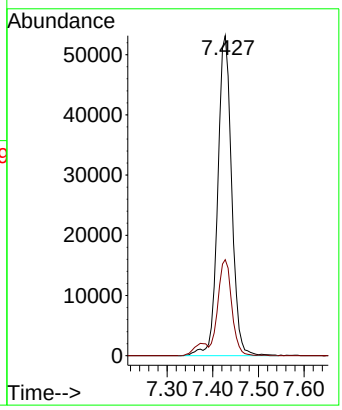
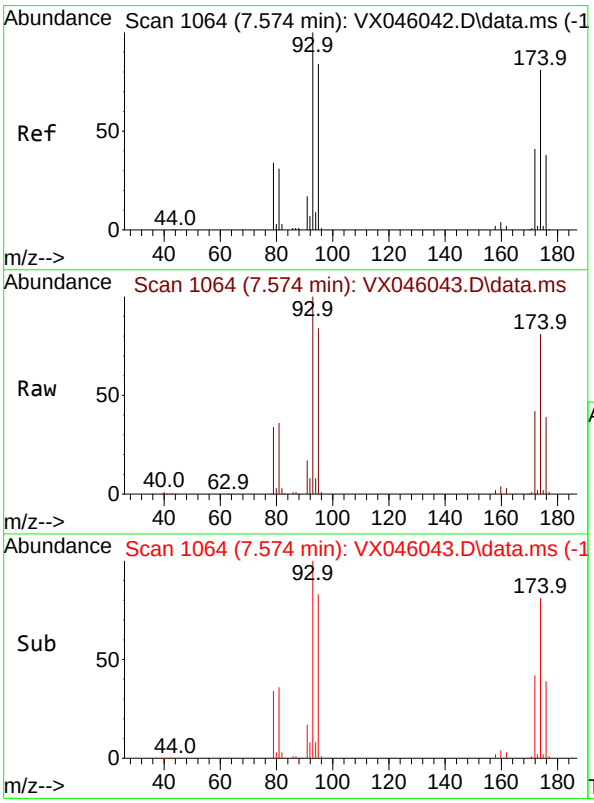
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

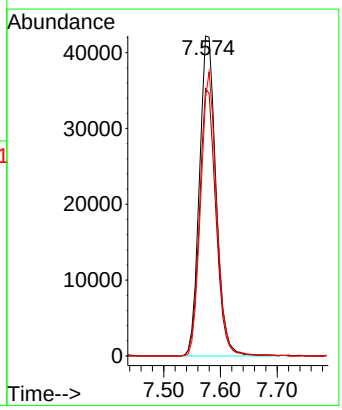


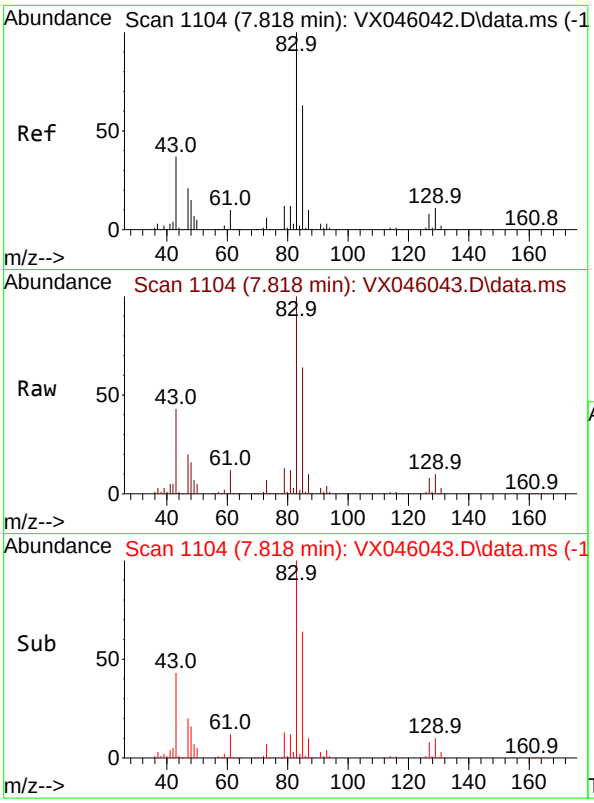


#46
Dibromomethane
Concen: 70.938 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 93 Resp: 85728

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.6	98.4
174	85.0	68.2	102.2

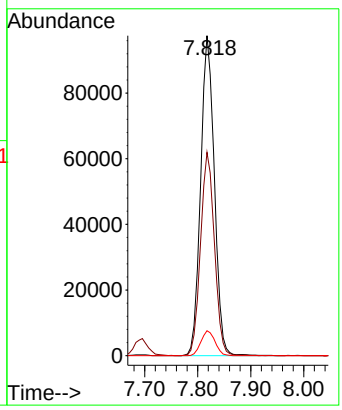




#47
Bromodichloromethane
Concen: 74.845 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 83 Resp: 17530

Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.5	75.7
127	7.8	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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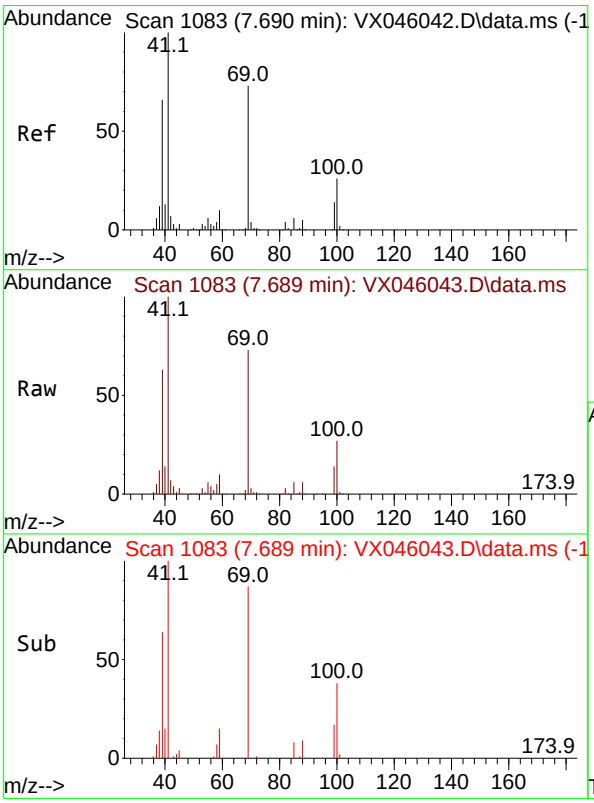
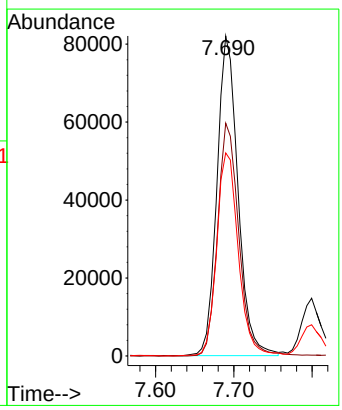
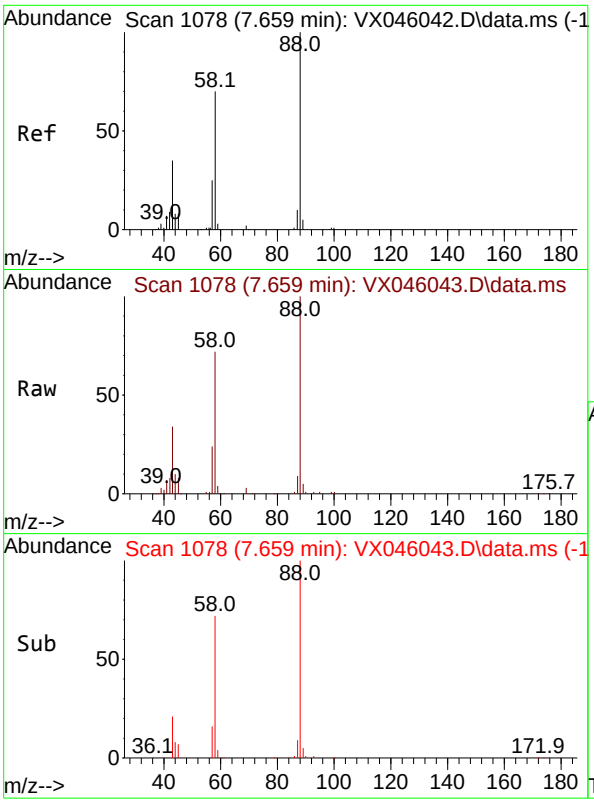


#48
Methyl methacrylate
Concen: 78.101 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 41 Resp: 153093

Ion	Ratio	Lower	Upper
41	100		
69	74.1	58.5	87.7
39	65.5	51.7	77.5

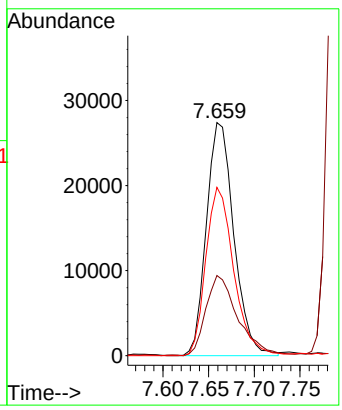




#49
1,4-Dioxane
Concen: 1470.687 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 88 Resp: 5731

Ion	Ratio	Lower	Upper
88	100		
43	40.1	33.4	50.2
58	73.3	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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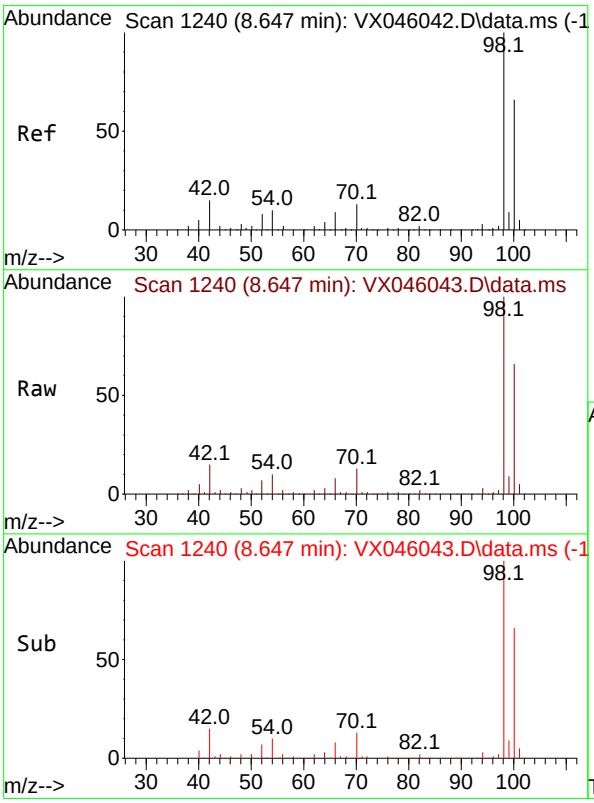
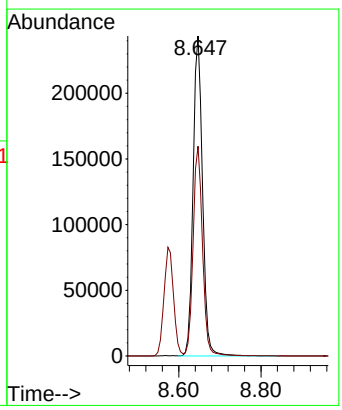
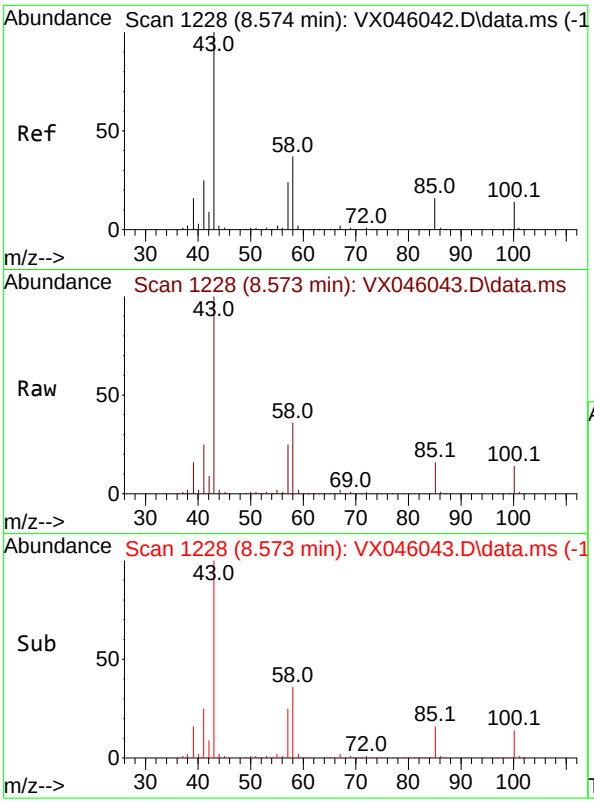


#50
Toluene-d8
Concen: 67.031 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 98 Resp: 387230

Ion	Ratio	Lower	Upper
98	100		
100	65.2	53.5	80.3





#51
4-Methyl-2-Pentanone
Concen: 384.740 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 96331

Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.9	43.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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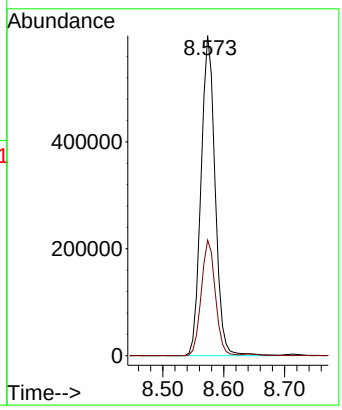
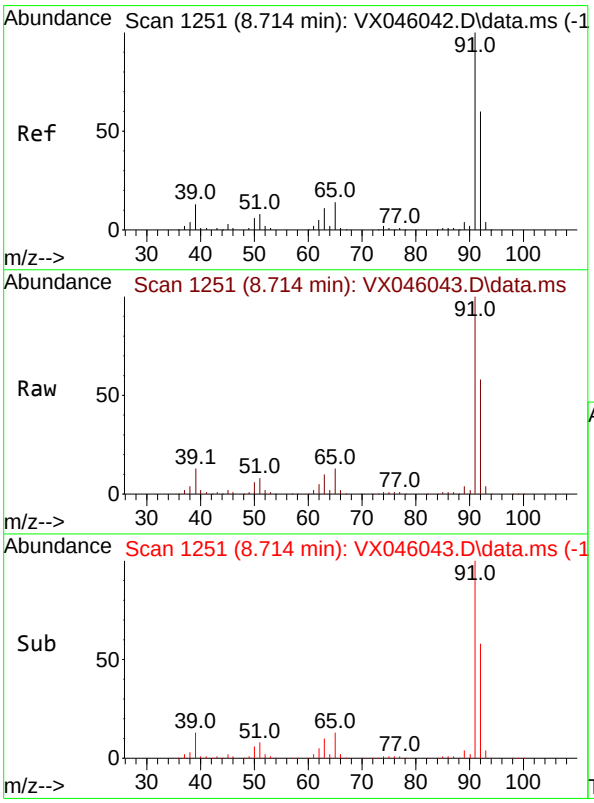
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

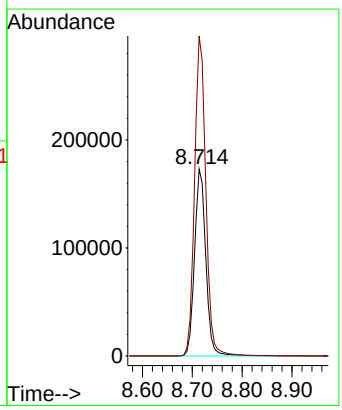


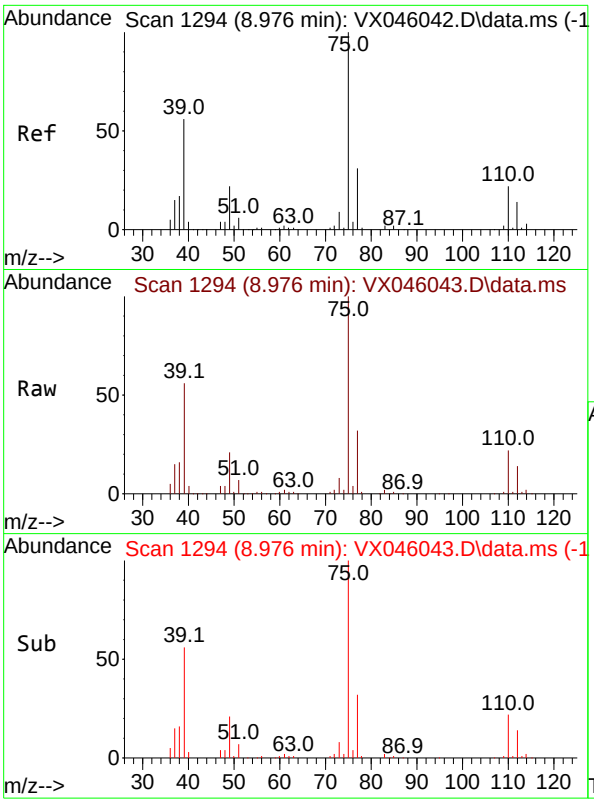


#52
Toluene
Concen: 74.010 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 92 Resp: 270763

Ion	Ratio	Lower	Upper
92	100		
91	171.2	136.6	205.0

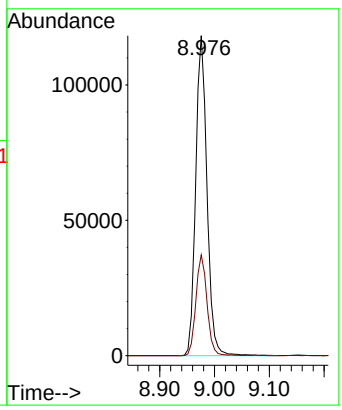




#53
t-1,3-Dichloropropene
Concen: 86.372 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 75 Resp: 16986

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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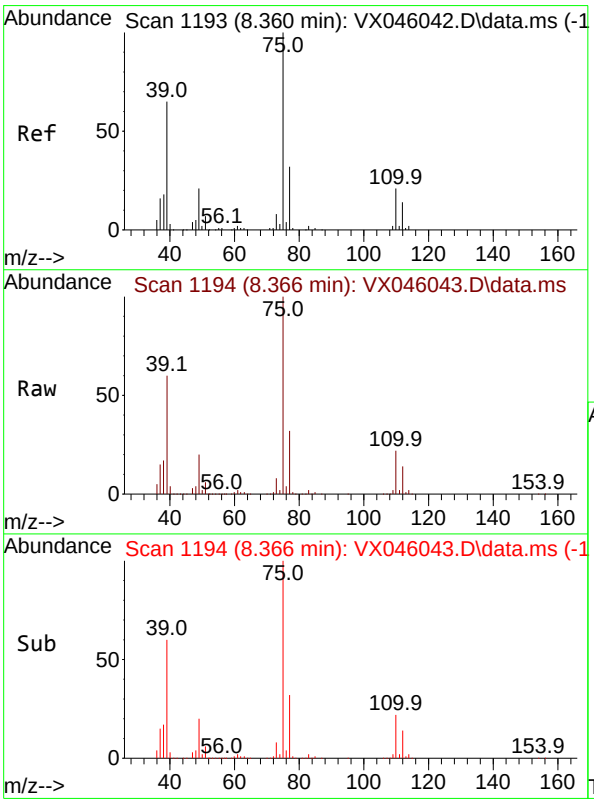
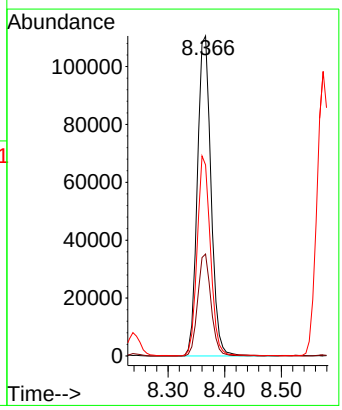
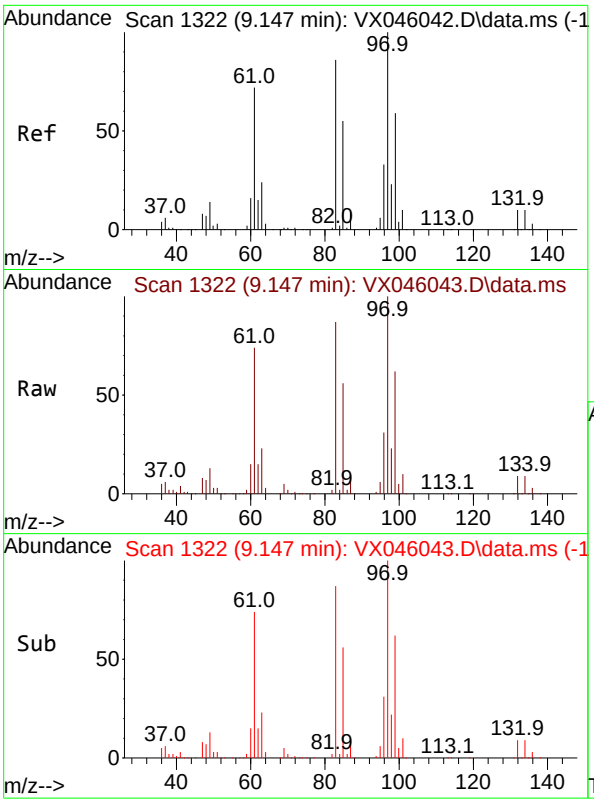


#54
cis-1,3-Dichloropropene
Concen: 80.264 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 75 Resp: 184134

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.0
39	59.6	52.2	78.4

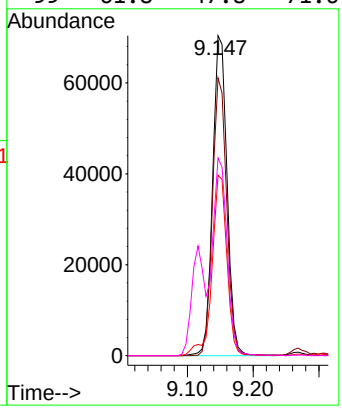




#55
1,1,2-Trichloroethane
Concen: 72.543 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 97 Resp: 10726

Ion	Ratio	Lower	Upper
97	100		
83	86.8	69.0	103.6
85	56.4	44.3	66.5
99	61.8	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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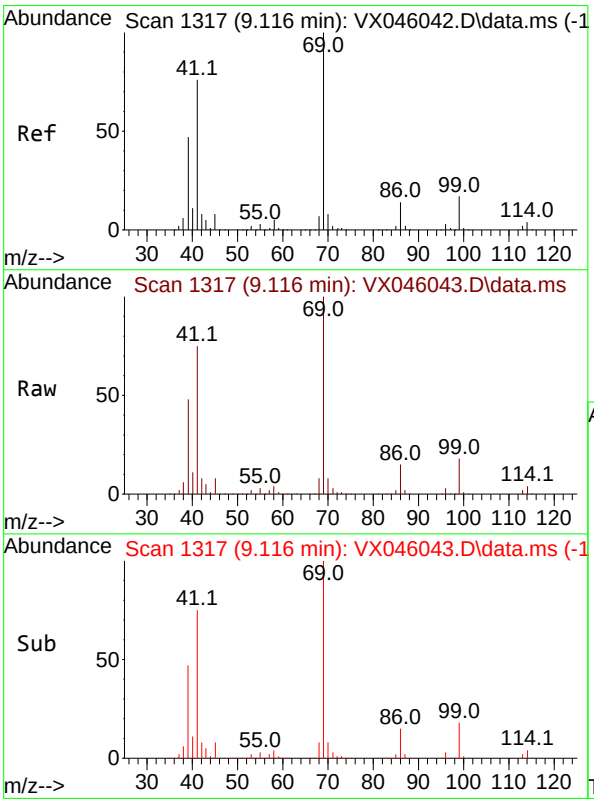
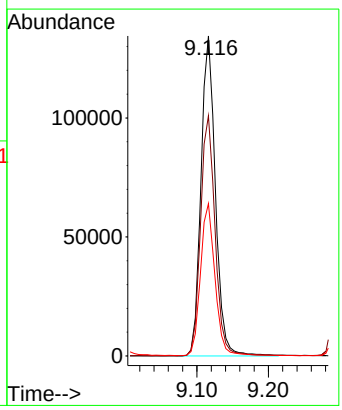
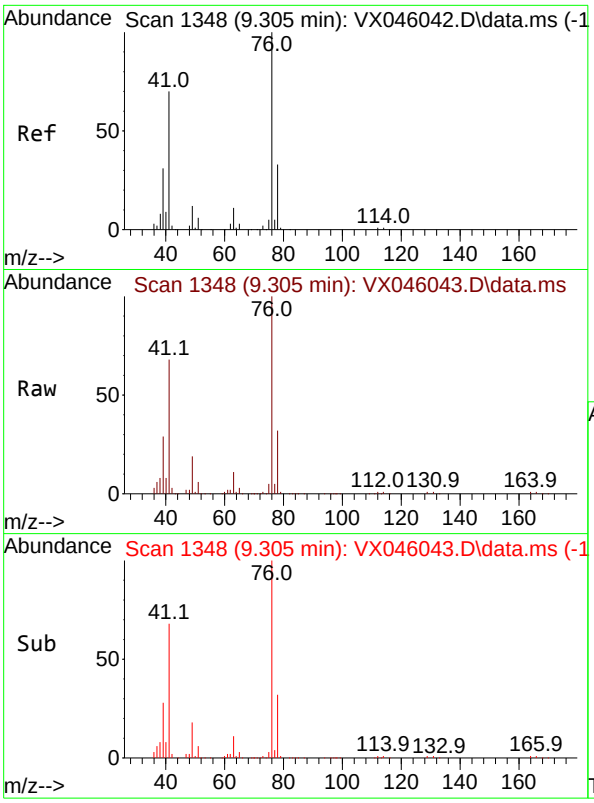


#56
Ethyl methacrylate
Concen: 82.359 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 69 Resp: 188717

Ion	Ratio	Lower	Upper
69	100		
41	75.7	60.8	91.2
39	47.7	39.0	58.6





#57
1,3-Dichloropropane
Concen: 71.590 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 76 Resp: 18764

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.3	39.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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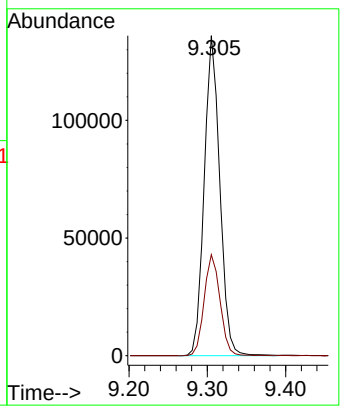
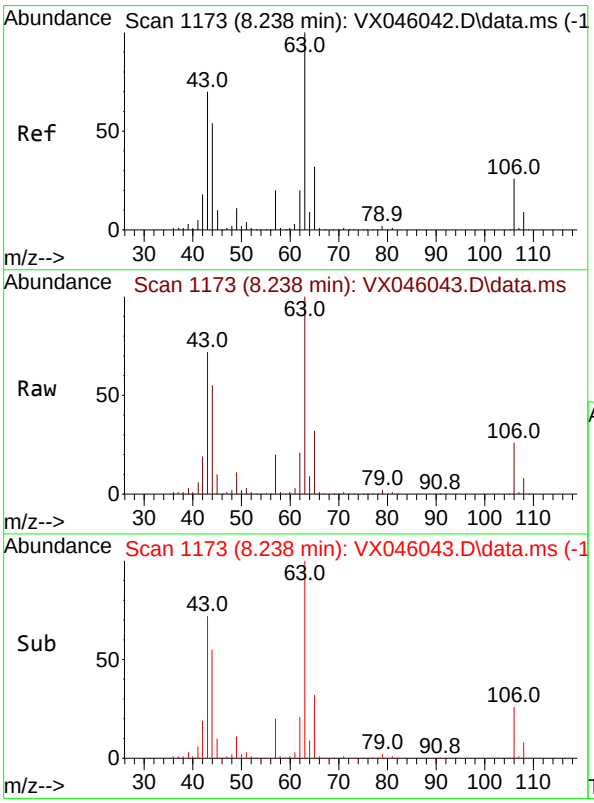
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

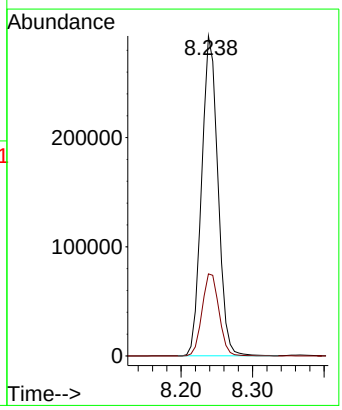


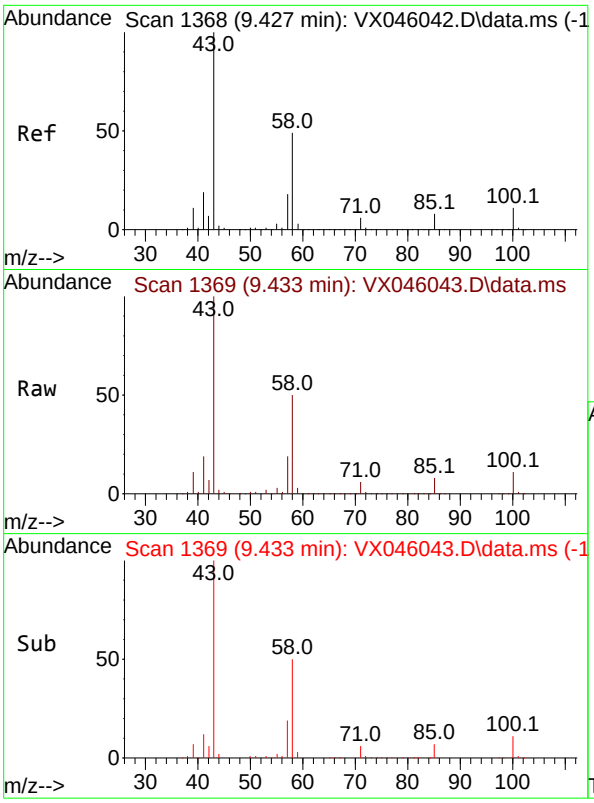


#58
2-Chloroethyl Vinyl ether
Concen: 449.791 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 63 Resp: 463169

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.5	32.3





#59
2-Hexanone
Concen: 383.945 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 72960

Ion	Ratio	Lower	Upper
43	100		
58	49.9	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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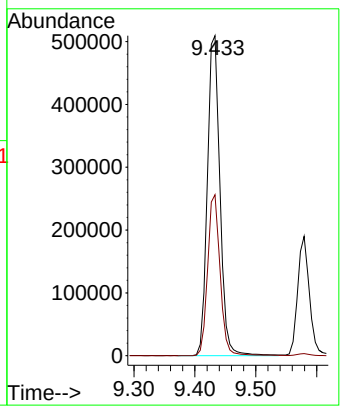
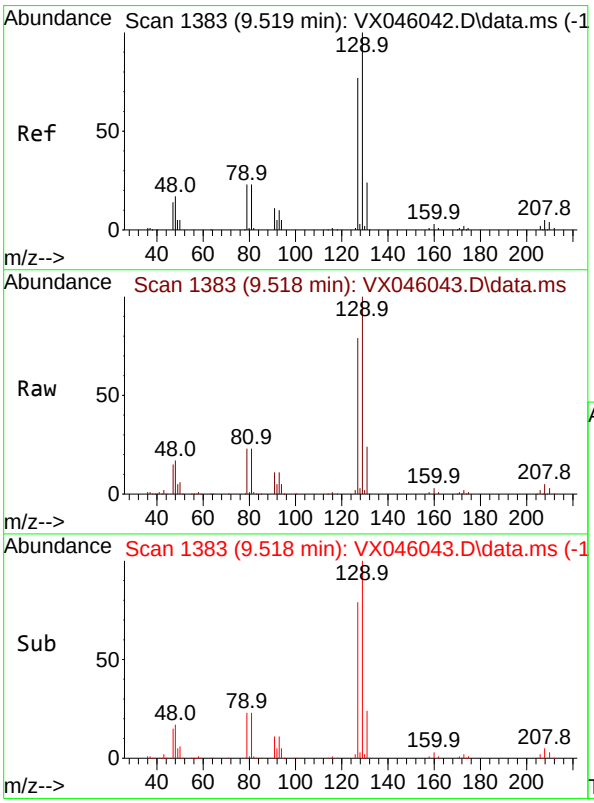
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

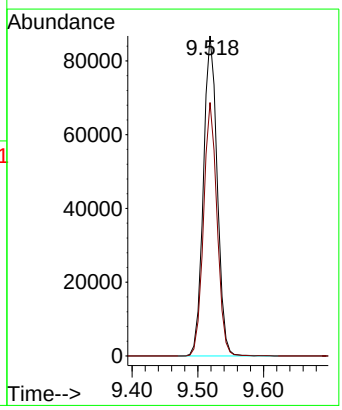


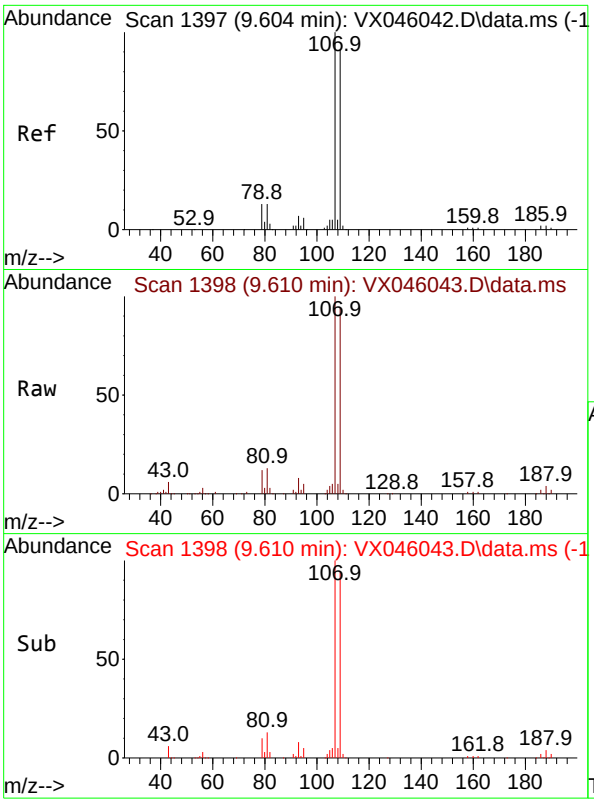


#60
Dibromochloromethane
Concen: 78.918 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:129 Resp: 127012

Ion	Ratio	Lower	Upper
129	100		
127	77.0	39.3	117.8

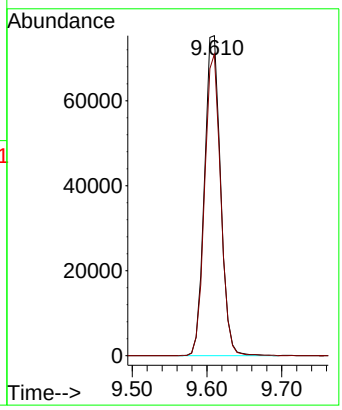




#61
1,2-Dibromoethane
Concen: 74.200 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:107 Resp: 11266

Ion	Ratio	Lower	Upper
107	100		
109	93.9	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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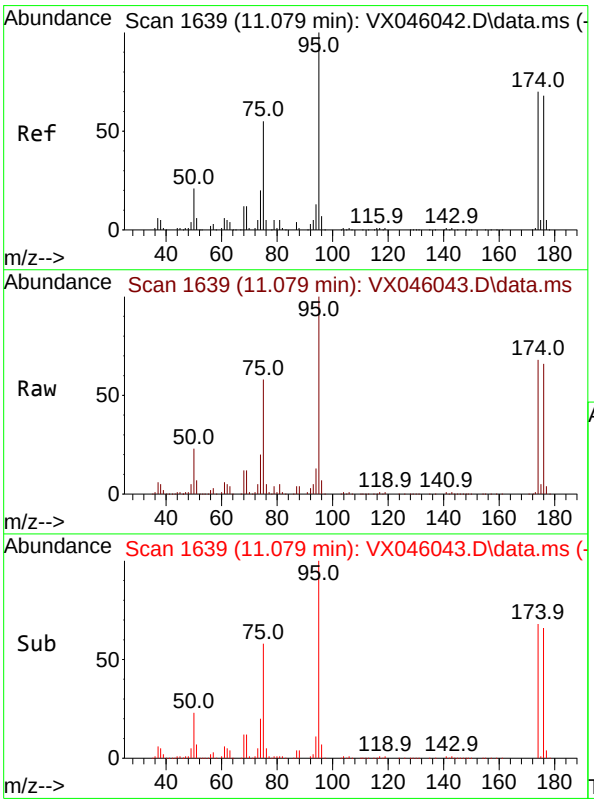
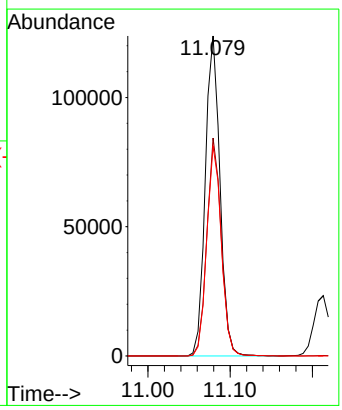
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

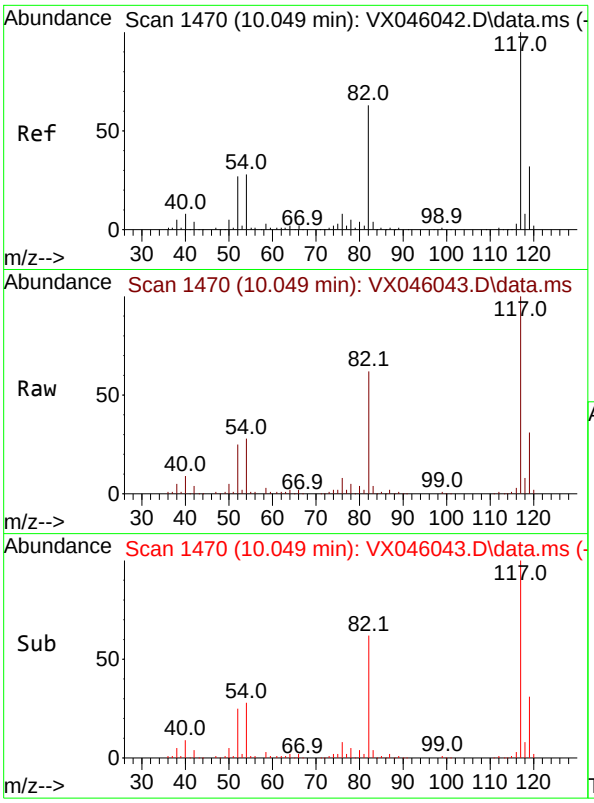


#62
4-Bromofluorobenzene
Concen: 72.818 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 95 Resp: 153085

Ion	Ratio	Lower	Upper
95	100		
174	67.1	0.0	135.8
176	65.3	0.0	131.4

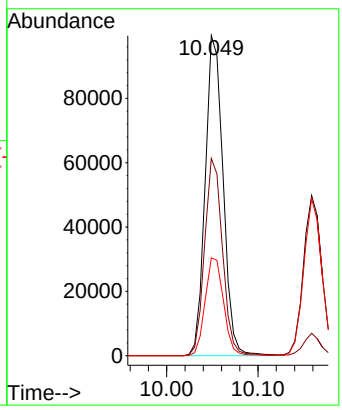




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:117 Resp: 13521

Ion	Ratio	Lower	Upper
117	100		
82	61.7	50.6	76.0
119	30.6	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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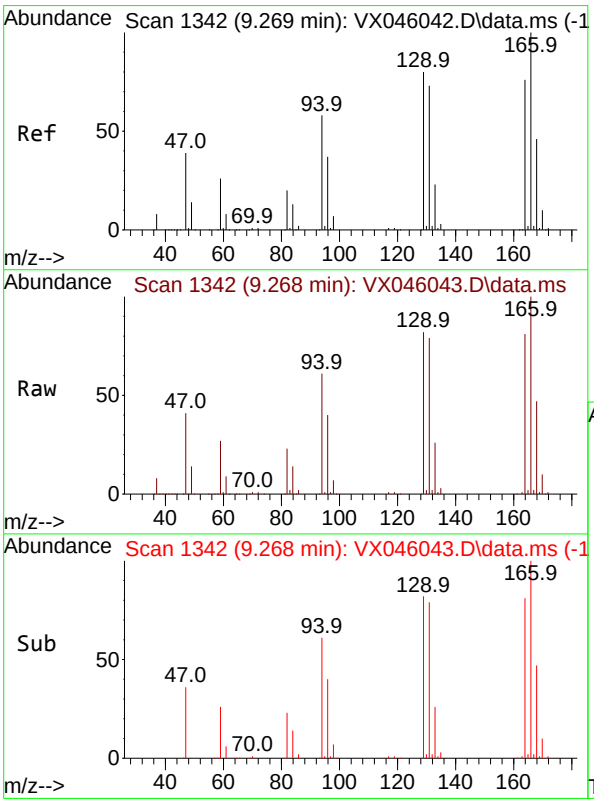
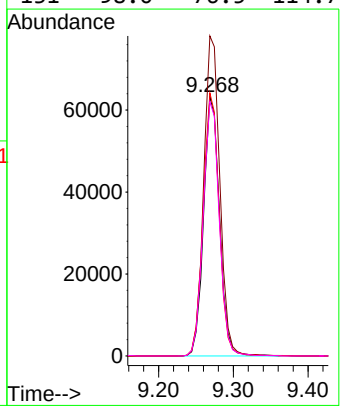
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

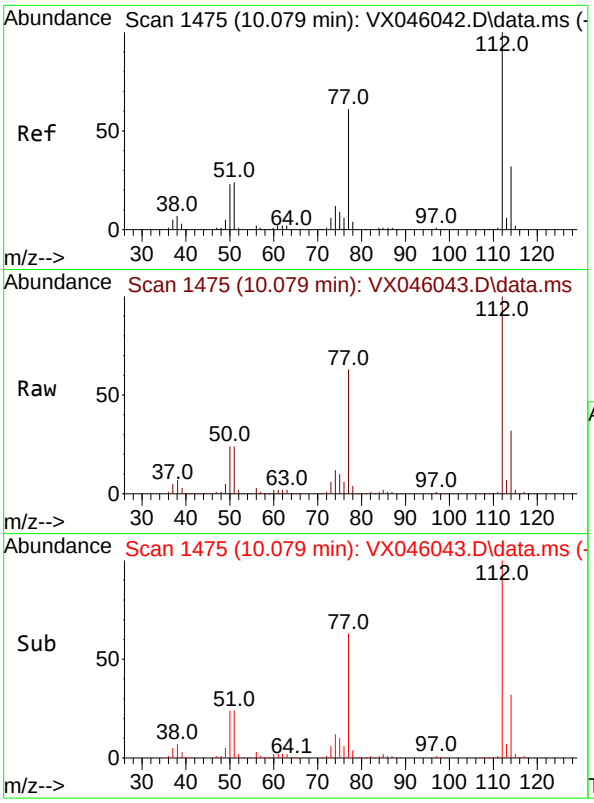


#64
Tetrachloroethene
Concen: 67.493 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:164 Resp: 93195

Ion	Ratio	Lower	Upper
164	100		
166	123.4	105.0	157.6
129	101.4	83.5	125.3
131	98.0	76.5	114.7





#65
Chlorobenzene
Concen: 70.490 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:112 Resp: 29328

Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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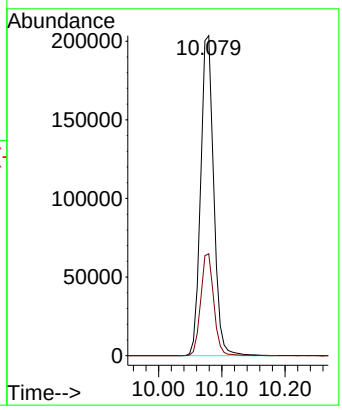
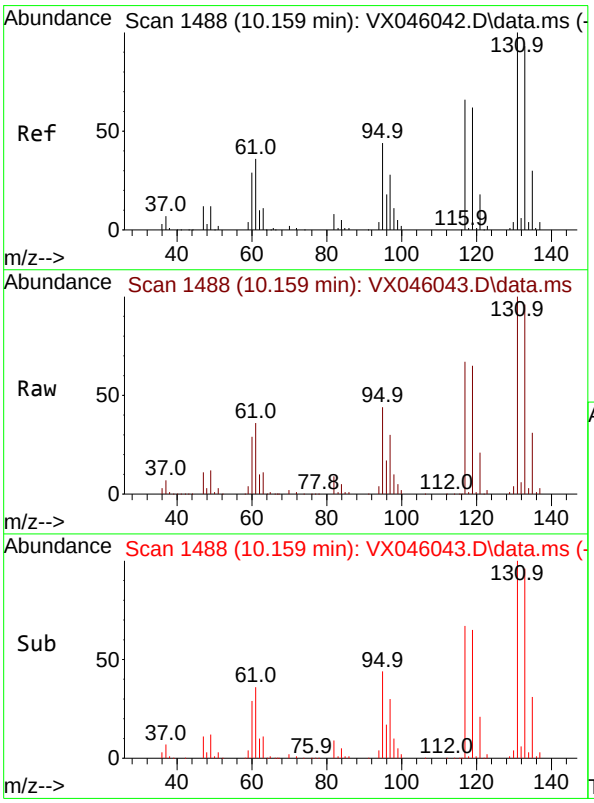
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

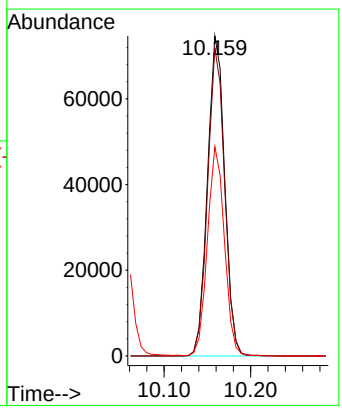


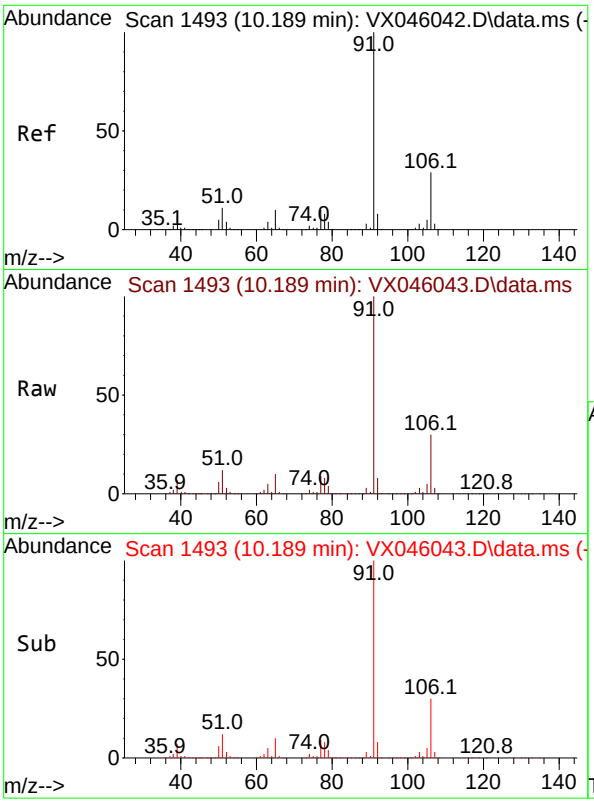


#66
1,1,1,2-Tetrachloroethane
Concen: 74.349 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:131 Resp: 103177

Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.3	141.9
119	64.5	31.6	95.0





#67
Ethyl Benzene
Concen: 75.444 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 91 Resp: 53512

Ion	Ratio	Lower	Upper
91	100		
106	29.6	23.4	35.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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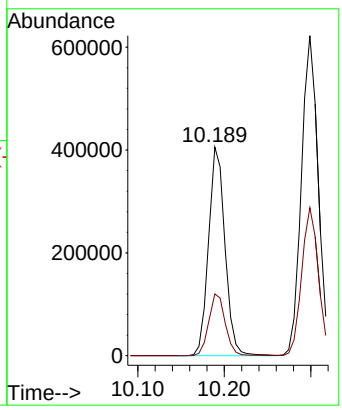
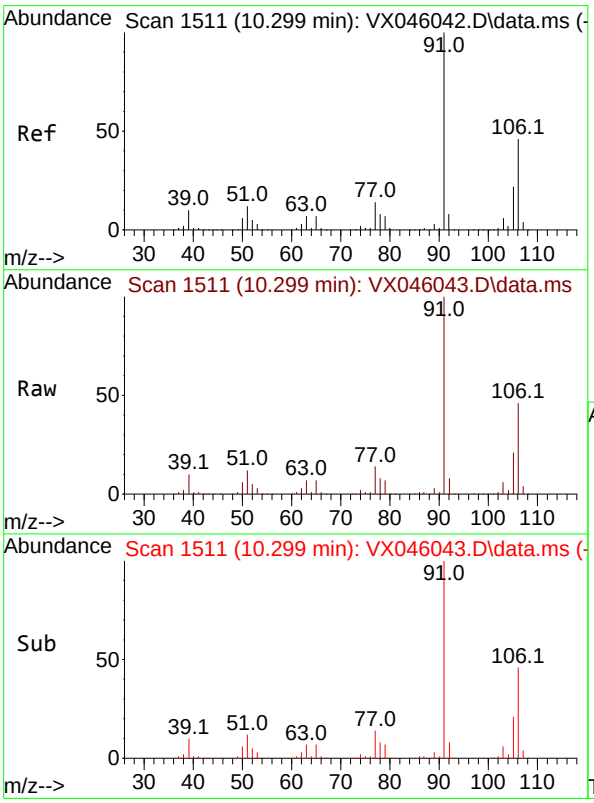
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

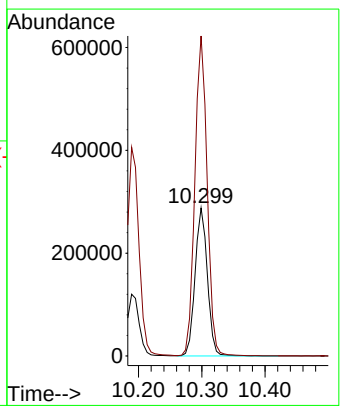


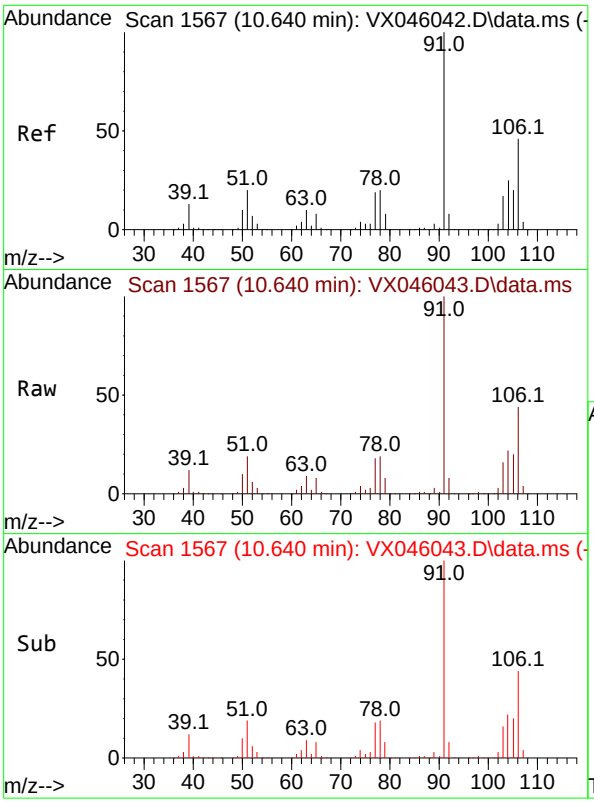


#68
m/p-Xylenes
Concen: 152.181 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:106 Resp: 389935

Ion	Ratio	Lower	Upper
106	100		
91	215.8	171.2	256.8

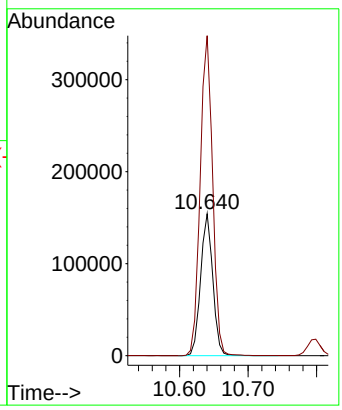




#69
o-Xylene
Concen: 73.890 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:106 Resp: 19083

Ion	Ratio	Lower	Upper
106	100		
91	230.3	112.7	338.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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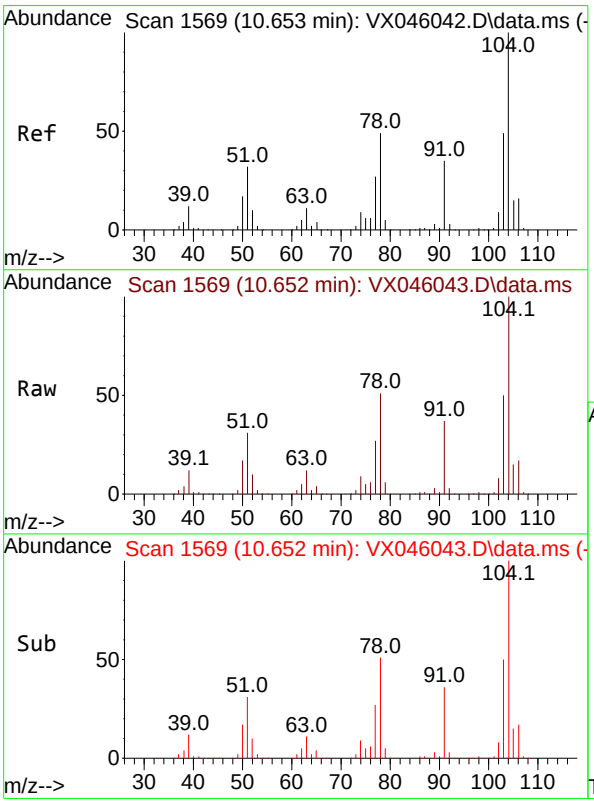
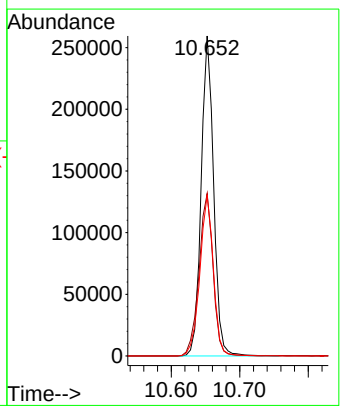
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

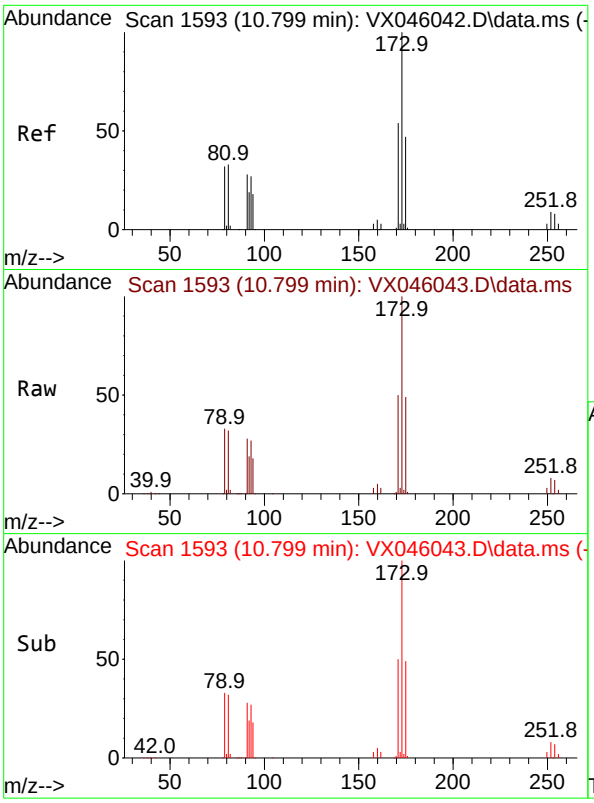


#70
Styrene
Concen: 79.411 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:104 Resp: 328195

Ion	Ratio	Lower	Upper
104	100		
78	57.4	45.7	68.5
103	54.8	43.7	65.5

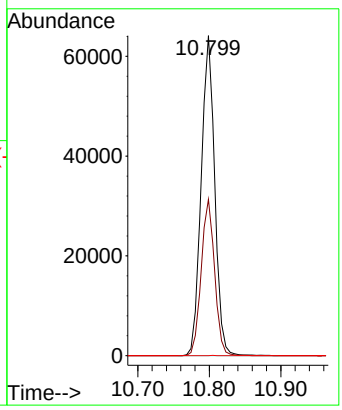




#71
Bromoform
Concen: 80.927 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:173 Resp: 8435

Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.4	70.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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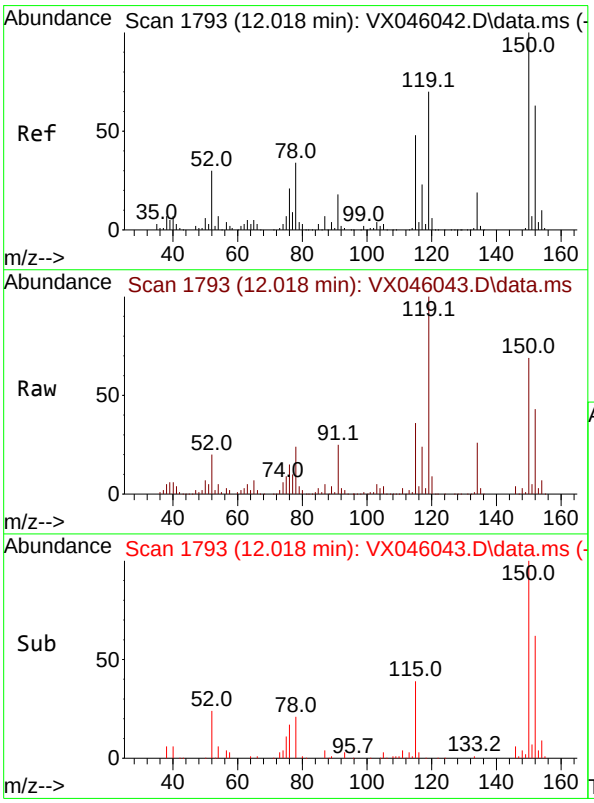
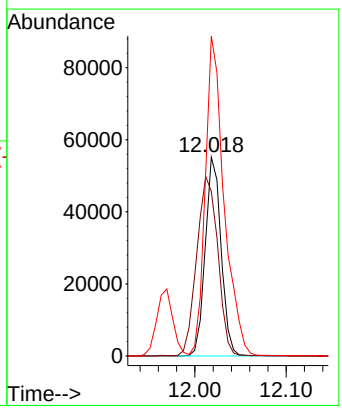
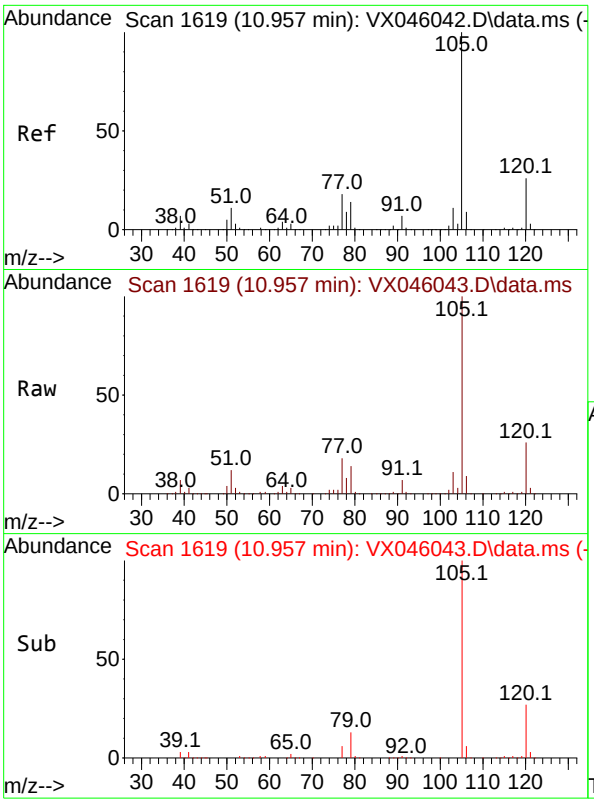


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:152 Resp: 66369

Ion	Ratio	Lower	Upper
152	100		
115	120.4	46.9	140.7
150	190.4	0.0	351.0





#73
Isopropylbenzene
Concen: 71.083 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

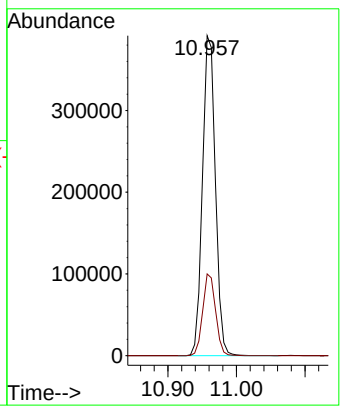
Tgt Ion:105 Resp: 51452

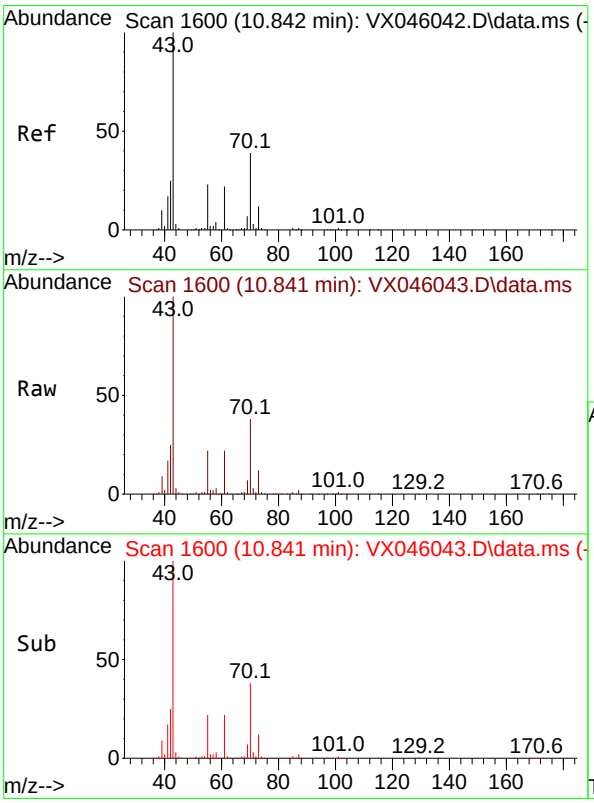
Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

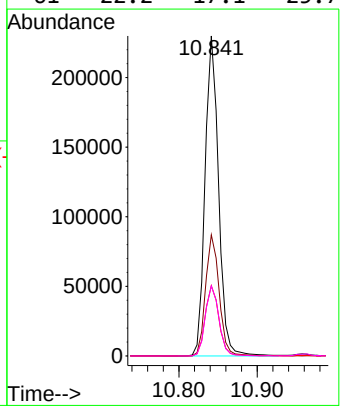


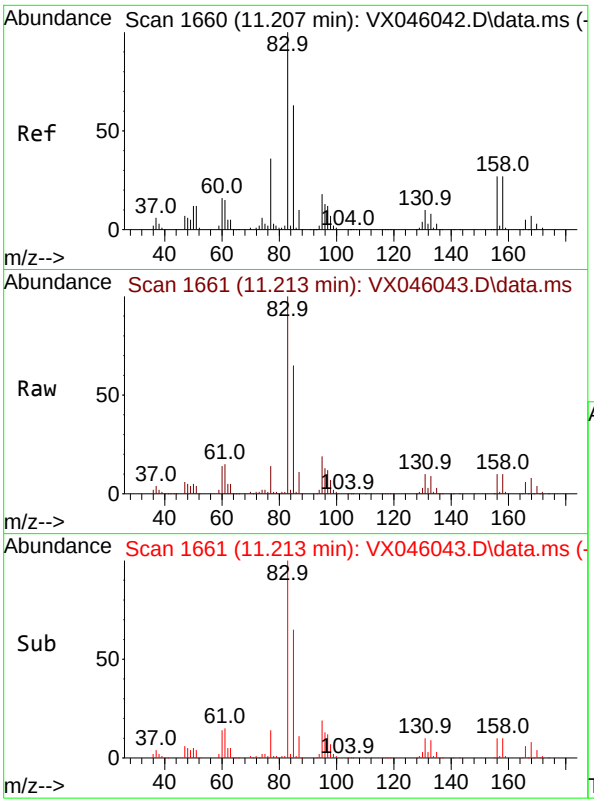


#74
N-amyl acetate
Concen: 76.073 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 274553

Ion	Ratio	Lower	Upper
43	100		
70	38.2	30.9	46.3
55	22.5	18.7	28.1
61	22.2	17.1	25.7





#75
1,1,2,2-Tetrachloroethane
Concen: 66.207 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 83 Resp: 17048

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	64.9	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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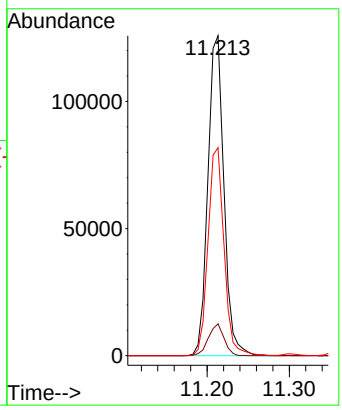
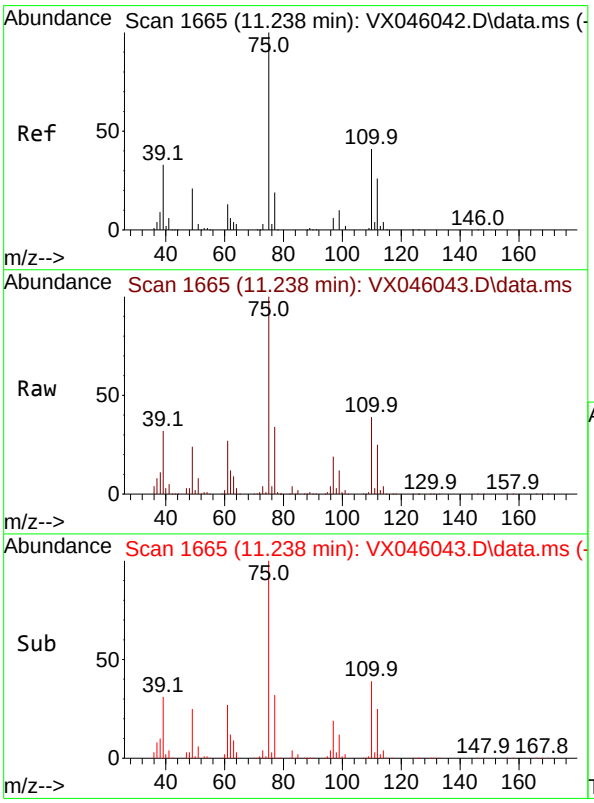
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

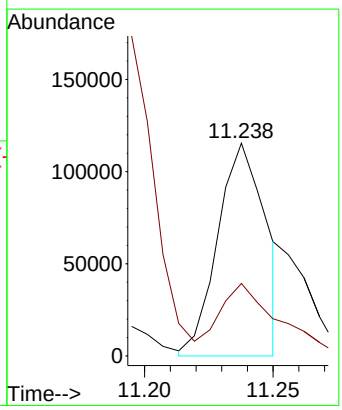


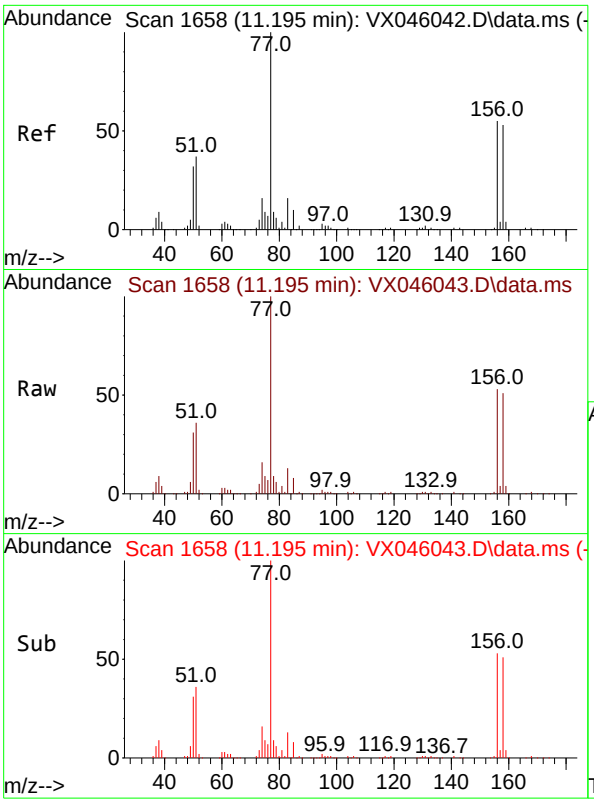


#76
1,2,3-Trichloropropane
Concen: 54.277 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 75 Resp: 150182

Ion	Ratio	Lower	Upper
75	100		
77	42.2	20.5	61.5





#77
Bromobenzene
Concen: 69.959 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:156 Resp: 11715

Ion	Ratio	Lower	Upper
156	100		
77	187.4	92.8	278.3
158	96.1	48.8	146.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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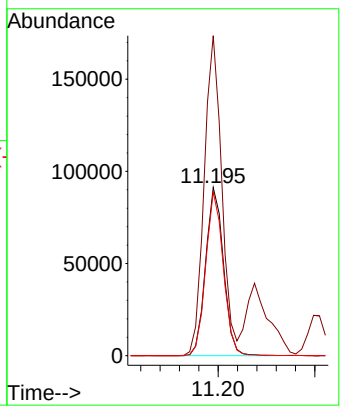
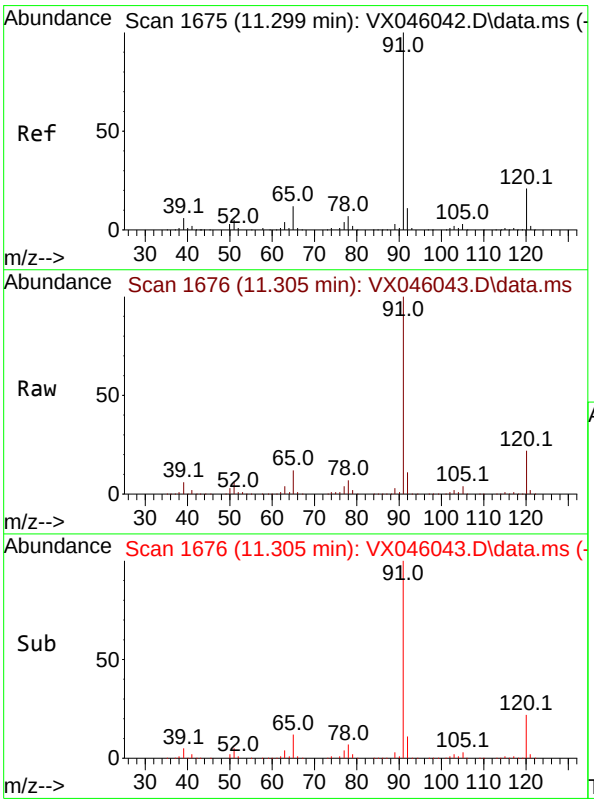
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

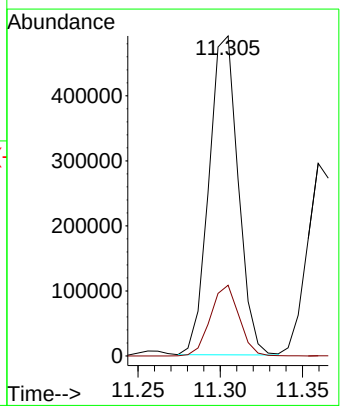


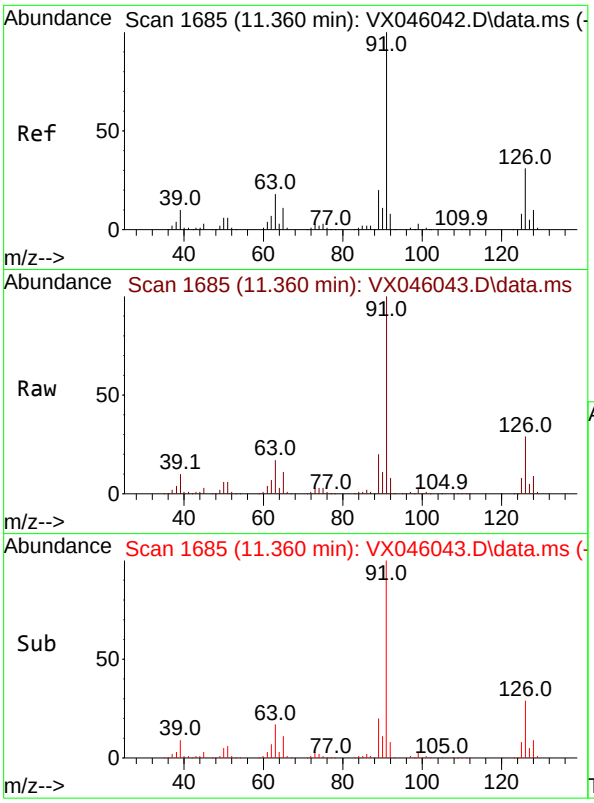


#78
n-propylbenzene
Concen: 74.974 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 91 Resp: 608332

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.4

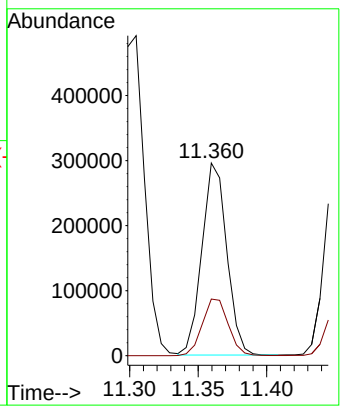




#79
2-Chlorotoluene
Concen: 68.100 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 91 Resp: 37239

Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.6	46.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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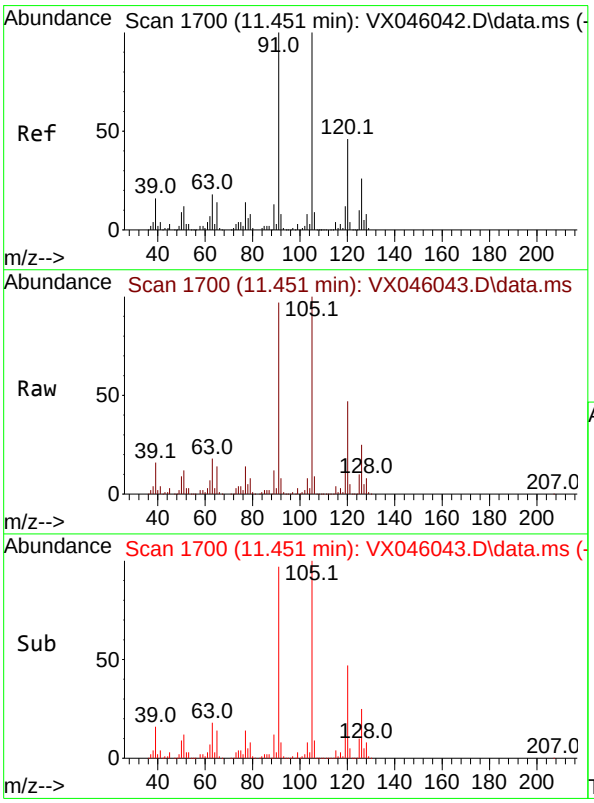
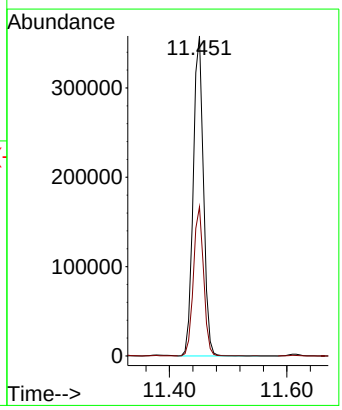
Supervised By :Mahesh Dadoda 05/06/2025

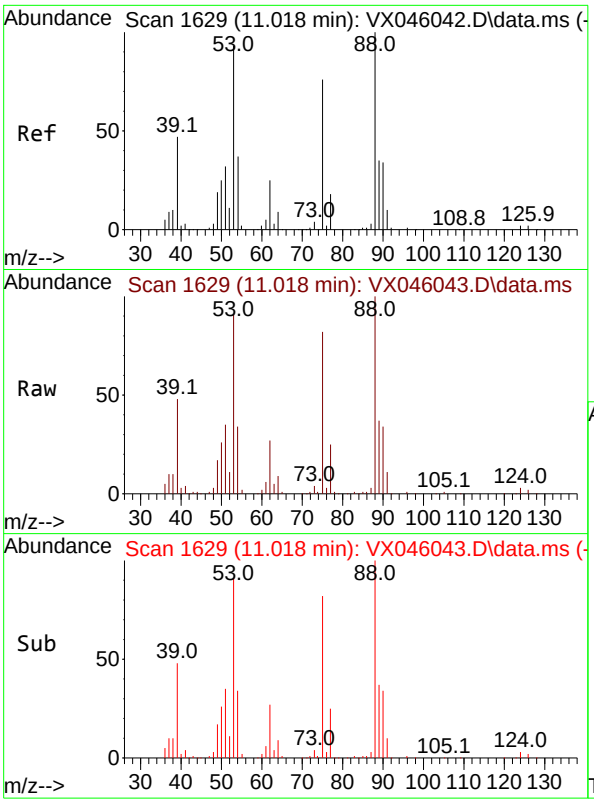


#80
1,3,5-Trimethylbenzene
Concen: 71.903 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:105 Resp: 432096

Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.1	69.2





#81
trans-1,4-Dichloro-2-butene
Concen: 81.820 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 75 Resp: 5439

Ion	Ratio	Lower	Upper
75	100		
53	115.8	100.5	150.7
89	47.0	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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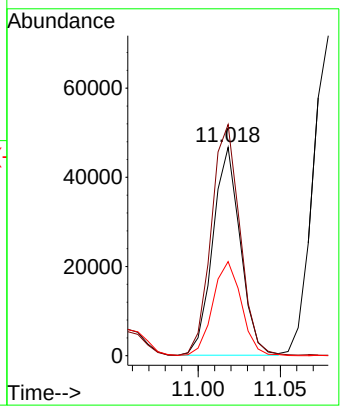
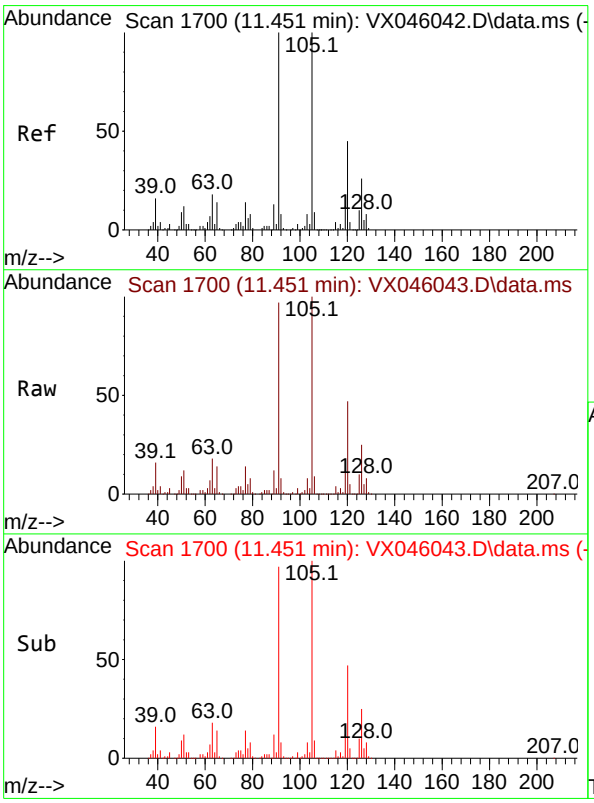
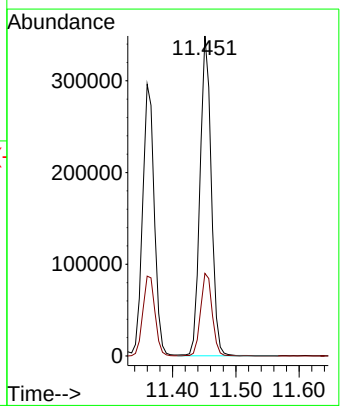


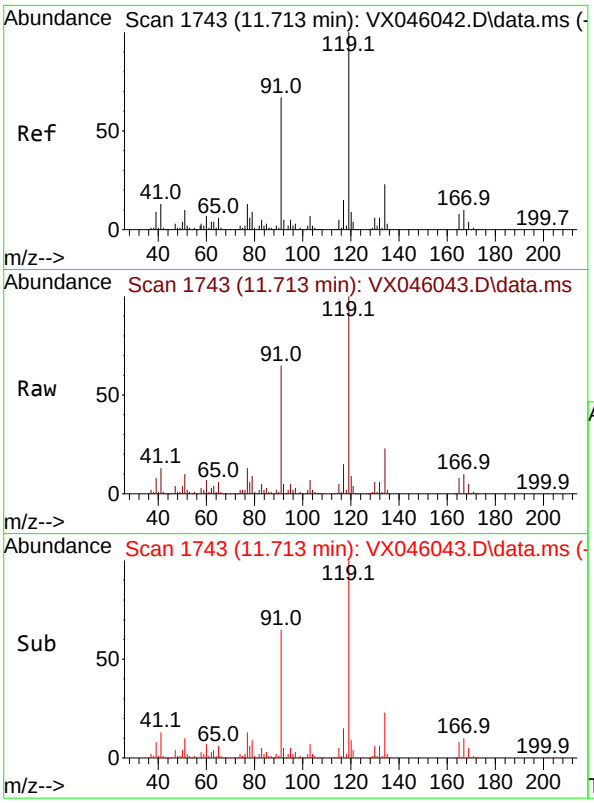


#82
4-Chlorotoluene
Concen: 71.890 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 91 Resp: 432053

Ion	Ratio	Lower	Upper
91	100		
126	26.5	13.3	39.8

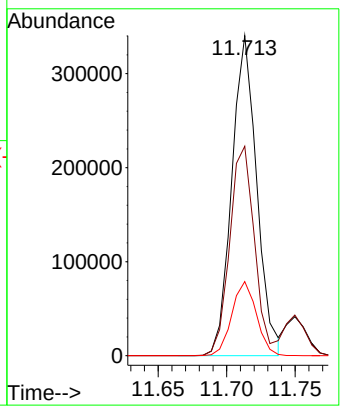




#83
tert-Butylbenzene
Concen: 73.197 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:119 Resp: 43201

Ion	Ratio	Lower	Upper
119	100		
91	64.4	32.9	98.7
134	22.8	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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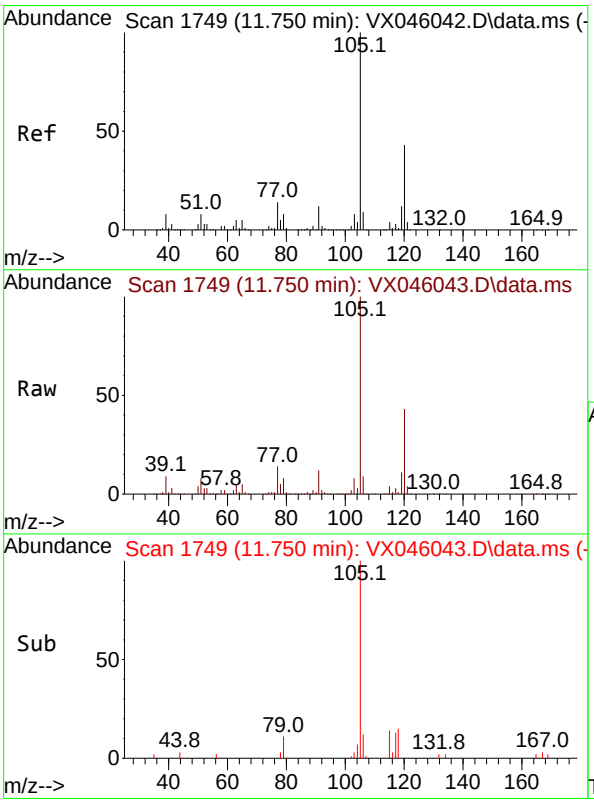
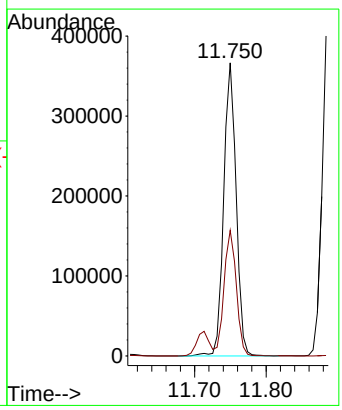
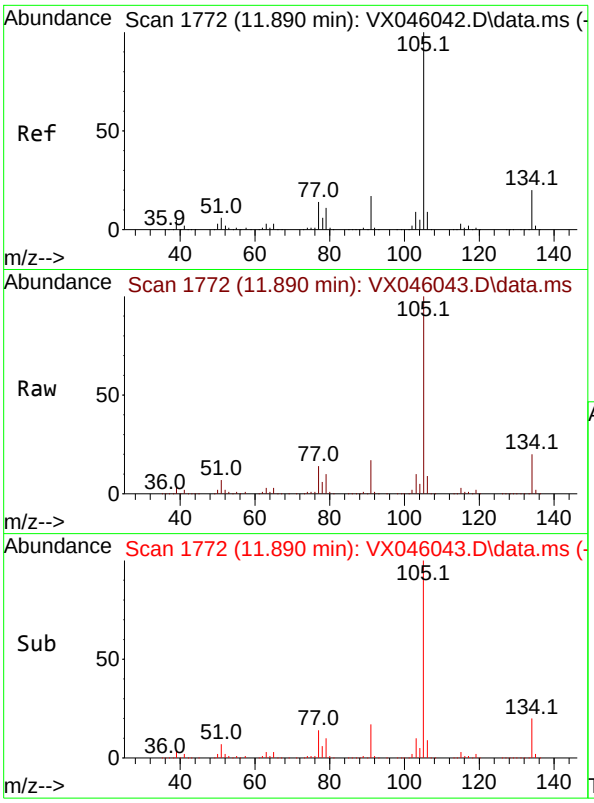


#84
1,2,4-Trimethylbenzene
Concen: 73.758 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:105 Resp: 442728

Ion	Ratio	Lower	Upper
105	100		
120	42.4	21.2	63.6





#85
sec-Butylbenzene
Concen: 74.188 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:105 Resp: 54359

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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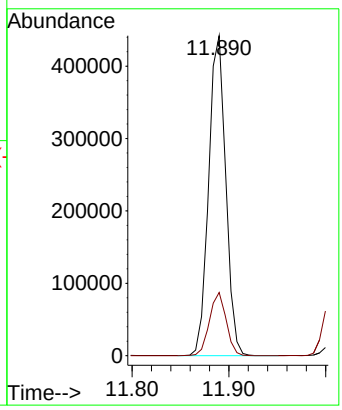
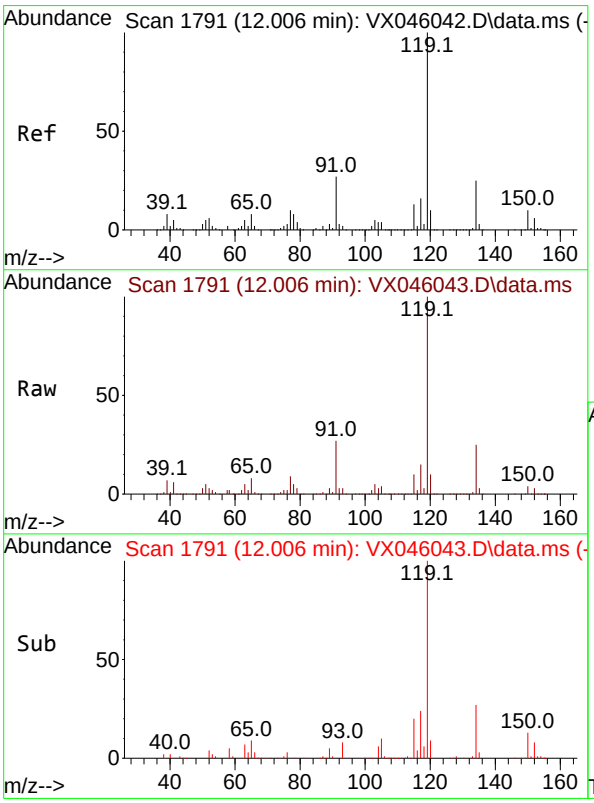
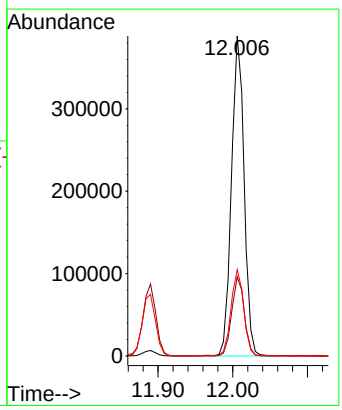


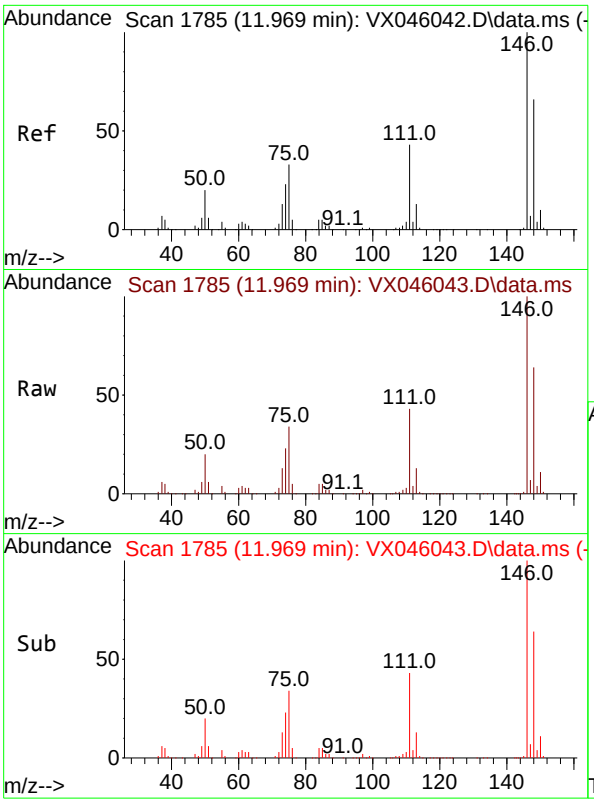


#86
p-Isopropyltoluene
Concen: 77.393 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:119 Resp: 457898

Ion	Ratio	Lower	Upper
119	100		
134	24.6	12.5	37.5
91	26.8	13.8	41.4

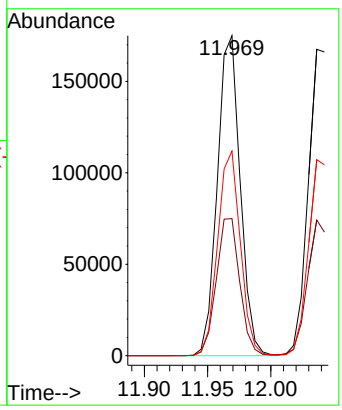




#87
1,3-Dichlorobenzene
Concen: 70.449 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:146 Resp: 21975

Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.1	66.3
148	63.5	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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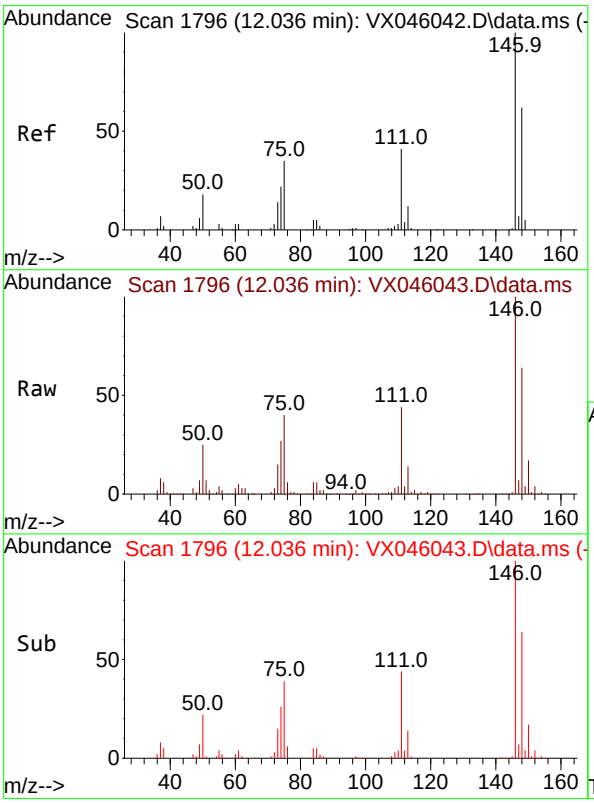
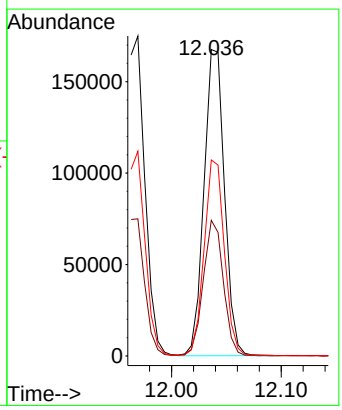
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

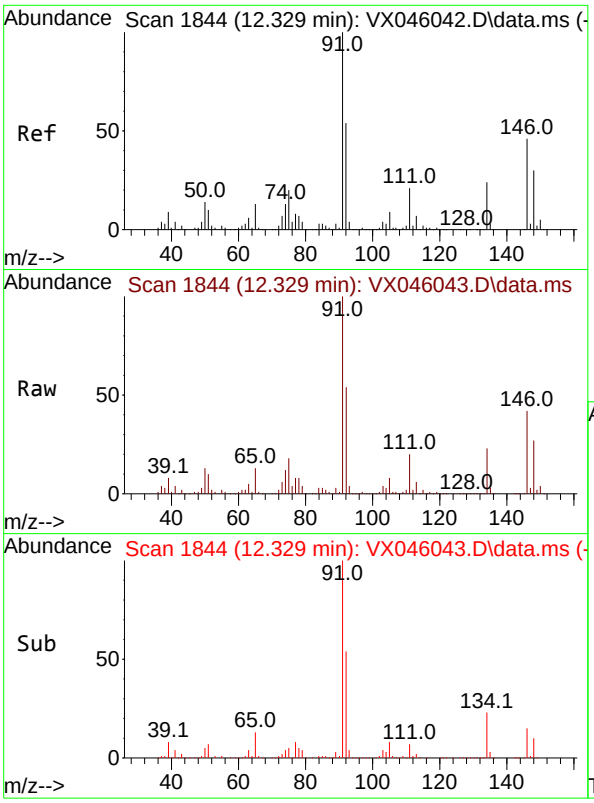


#88
1,4-Dichlorobenzene
Concen: 71.190 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:146 Resp: 217613

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.3	63.9
148	63.2	31.9	95.5

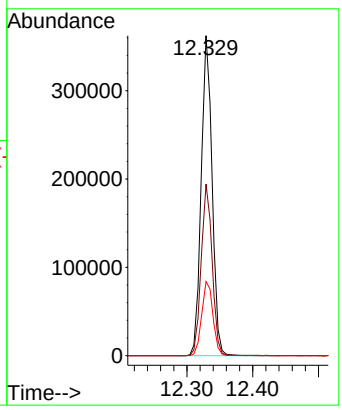




#89
n-Butylbenzene
Concen: 80.996 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 91 Resp: 41660

Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.9	80.7
134	24.0	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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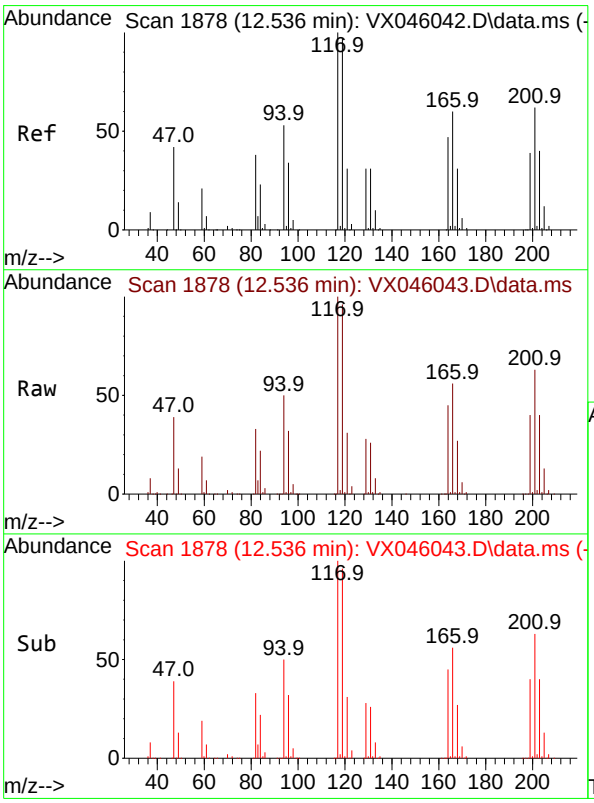
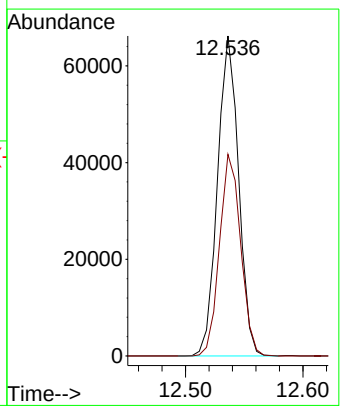
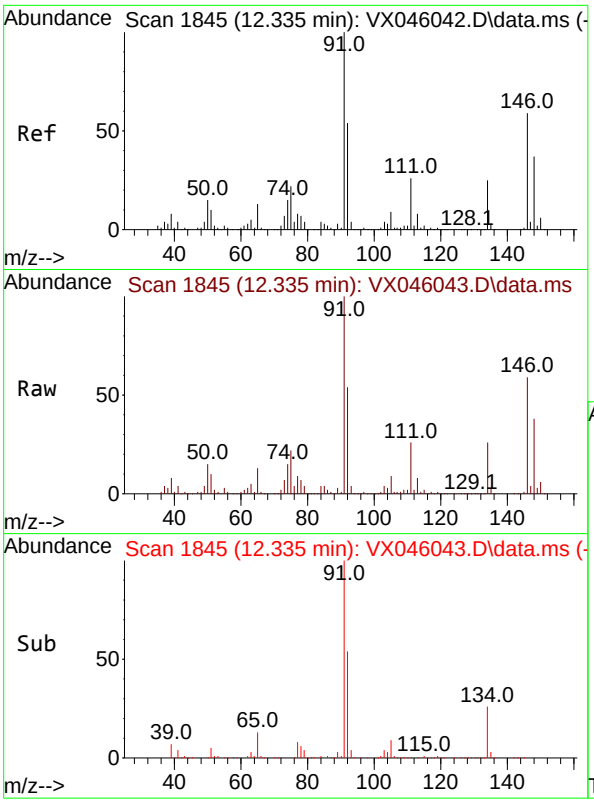


#90
Hexachloroethane
Concen: 74.978 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:117 Resp: 82528

Ion	Ratio	Lower	Upper
117	100		
201	63.3	31.6	94.7

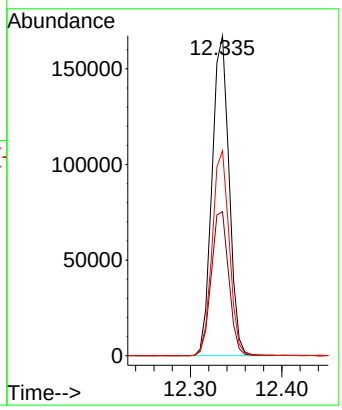




#91
1,2-Dichlorobenzene
Concen: 71.367 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:146 Resp: 21683

Ion	Ratio	Lower	Upper
146	100		
111	46.2	22.4	67.3
148	64.0	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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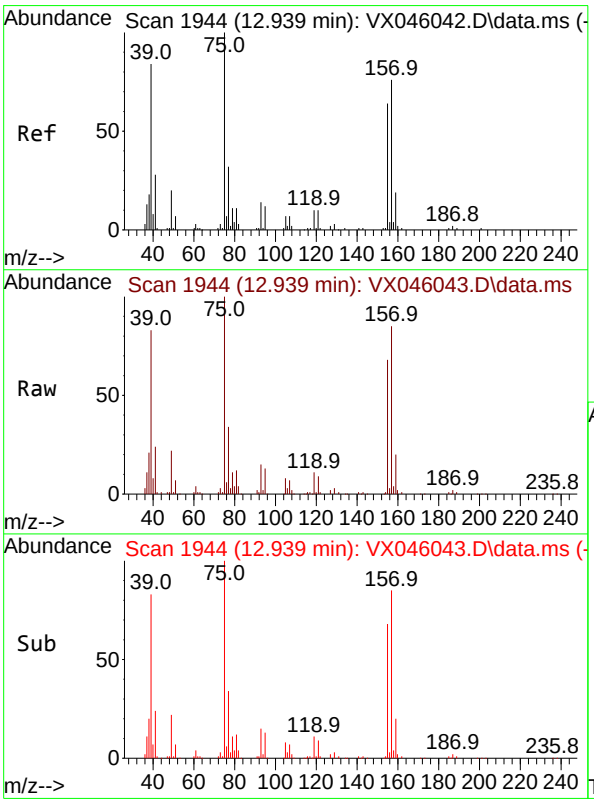
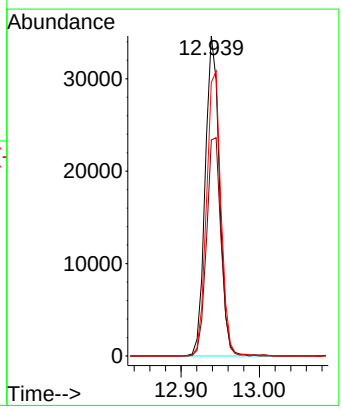
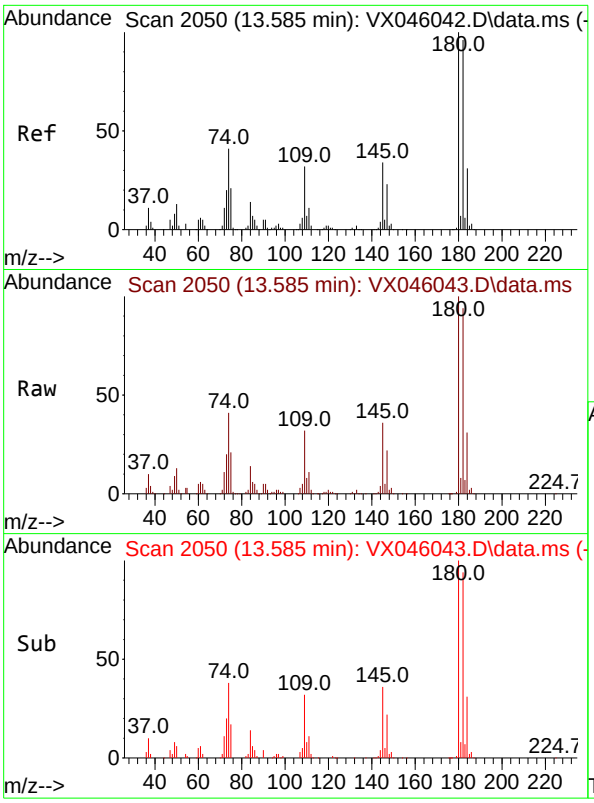


#92
1,2-Dibromo-3-Chloropropane
Concen: 74.512 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 75 Resp: 43673

Ion	Ratio	Lower	Upper
75	100		
155	69.4	34.9	104.8
157	90.1	43.8	131.4





#93
1,2,4-Trichlorobenzene
Concen: 82.605 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:180 Resp: 13743

Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.9	143.8
145	34.6	17.1	51.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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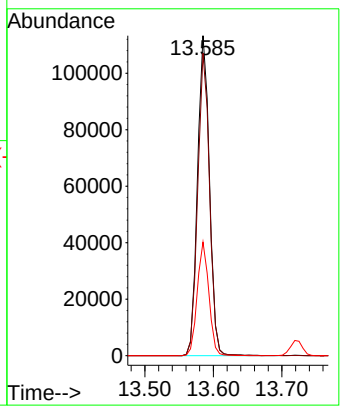
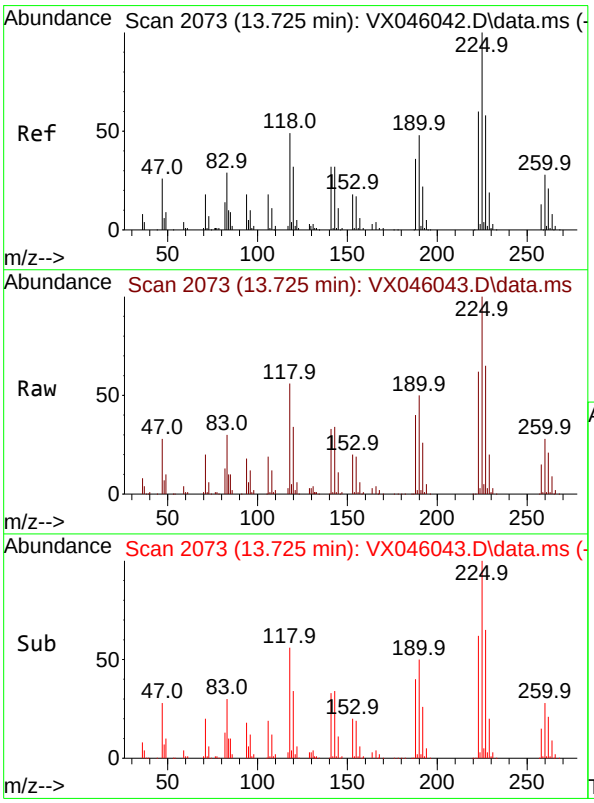
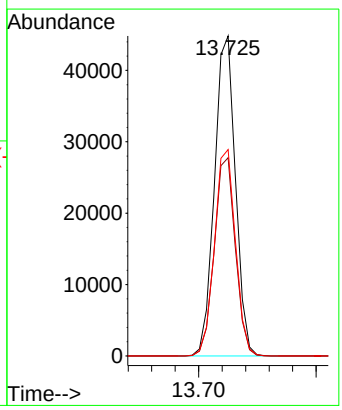


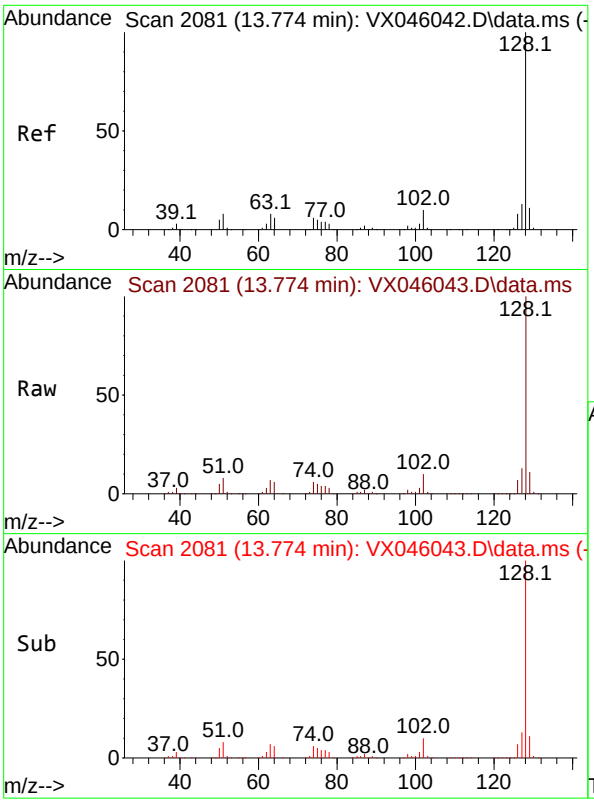


#94
Hexachlorobutadiene
Concen: 71.314 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:225 Resp: 55494

Ion	Ratio	Lower	Upper
225	100		
223	62.3	30.8	92.4
227	64.9	30.9	92.7

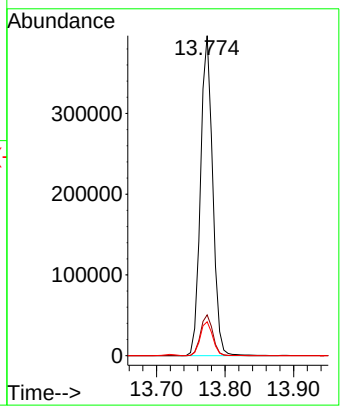




#95
Naphthalene
Concen: 80.842 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:128 Resp: 48977

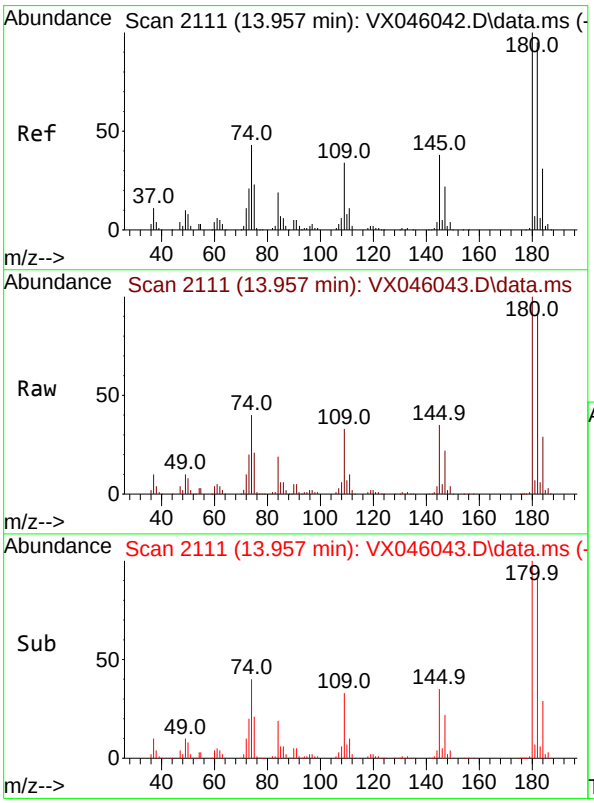
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

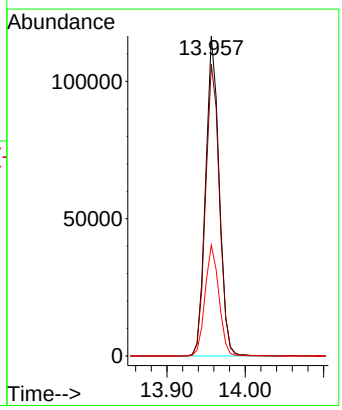
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 79.981 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:180 Resp: 139525

Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.8	143.3
145	35.3	18.1	54.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	82963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	144975	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	128557	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60345	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	231952	93.983	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 187.960%#			
35) Dibromofluoromethane	5.385	113	160168	98.562	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 197.120%#			
50) Toluene-d8	8.647	98	554390	101.252	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 202.500%#			
62) 4-Bromofluorobenzene	11.079	95	217536	109.174	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 218.340%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	217793	118.929	ug/l	98
3) Chloromethane	1.307	50	196843	109.161	ug/l	99
4) Vinyl Chloride	1.374	62	187924	118.953	ug/l	100
5) Bromomethane	1.593	94	83008	103.625	ug/l	95
6) Chloroethane	1.660	64	78806	96.822	ug/l	98
7) Trichlorofluoromethane	1.868	101	245108	101.851	ug/l	97
8) Diethyl Ether	2.136	74	88441	111.791	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.313	101	161404	112.243	ug/l	99
10) Methyl Iodide	2.441	142	189843	112.441	ug/l	100
11) Tert butyl alcohol	3.002	59	181238	616.119	ug/l	100
12) 1,1-Dichloroethene	2.307	96	155451	111.039	ug/l	99
13) Acrolein	2.239	56	203257	594.872	ug/l	98
14) Allyl chloride	2.654	41	297776	112.561	ug/l	98
15) Acrylonitrile	3.069	53	484854	550.973	ug/l	98
16) Acetone	2.392	43	460820	545.754	ug/l	98
17) Carbon Disulfide	2.502	76	397353	122.499	ug/l	100
18) Methyl Acetate	2.709	43	217885	108.099	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	557210	114.112	ug/l	100
20) Methylene Chloride	2.782	84	172035	100.579	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	154694	108.241	ug/l	96
22) Diisopropyl ether	3.764	45	577610	116.858	ug/l	90
23) Vinyl Acetate	3.721	43	2655751	608.005	ug/l	100
24) 1,1-Dichloroethane	3.605	63	320083	110.182	ug/l	99
25) 2-Butanone	4.562	43	708463	581.292	ug/l	98
26) 2,2-Dichloropropane	4.471	77	258698	117.548	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	187835	108.994	ug/l	99
28) Bromochloromethane	4.898	49	146923	95.108	ug/l	100
29) Tetrahydrofuran	5.007	42	450456	569.081	ug/l	99
30) Chloroform	5.087	83	323659	107.208	ug/l	95
31) Cyclohexane	5.458	56	286312	116.934	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	295702	113.572	ug/l	98
36) 1,1-Dichloropropene	5.684	75	219731	116.462	ug/l	99
37) Ethyl Acetate	4.715	43	274312	115.889	ug/l	99
38) Carbon Tetrachloride	5.666	117	250916	115.760	ug/l	99
39) Methylcyclohexane	7.373	83	286311	121.107	ug/l	97
40) Benzene	6.031	78	642178	109.813	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	151424	115.139	ug/l		98
42) 1,2-Dichloroethane	6.080	62	271992	112.492	ug/l		99
43) Isopropyl Acetate	6.342	43	447871	123.780	ug/l		100
44) Trichloroethene	7.117	130	157641	114.032	ug/l		96
45) 1,2-Dichloropropane	7.428	63	164505	113.217	ug/l		99
46) Dibromomethane	7.574	93	125846	109.869	ug/l		100
47) Bromodichloromethane	7.818	83	258326	116.365	ug/l		98
48) Methyl methacrylate	7.690	41	231040	124.356	ug/l		99
49) 1,4-Dioxane	7.665	88	82800	2241.695	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	1371275	577.831	ug/l		100
52) Toluene	8.714	92	393323	113.430	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	257233	138.001	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	271054	124.658	ug/l		95
55) 1,1,2-Trichloroethane	9.147	97	154932	110.551	ug/l		97
56) Ethyl methacrylate	9.116	69	277921	127.968	ug/l		99
57) 1,3-Dichloropropane	9.305	76	272814	109.813	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.244	63	680608	697.344	ug/l		100
59) 2-Hexanone	9.433	43	1028597	571.094	ug/l		99
60) Dibromochloromethane	9.519	129	187497	122.915	ug/l		98
61) 1,2-Dibromoethane	9.604	107	165634	115.087	ug/l		97
64) Tetrachloroethene	9.269	164	132488	100.918	ug/l		96
65) Chlorobenzene	10.080	112	429656	108.615	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	152173	115.333	ug/l		99
67) Ethyl Benzene	10.189	91	785121	116.421	ug/l		99
68) m/p-Xylenes	10.299	106	570913	234.349	ug/l		100
69) o-Xylene	10.640	106	279906	113.990	ug/l		99
70) Styrene	10.653	104	474254	120.694	ug/l		99
71) Bromoform	10.799	173	125986	127.128	ug/l	#	99
73) Isopropylbenzene	10.957	105	752337	114.312	ug/l		99
74) N-amyl acetate	10.842	43	396877	120.944	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	243532	104.018	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	213744m	84.960	ug/l		
77) Bromobenzene	11.195	156	167934	110.297	ug/l		99
78) n-propylbenzene	11.305	91	881218	119.448	ug/l		100
79) 2-Chlorotoluene	11.360	91	534560	107.514	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	616477	112.825	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	81372	134.609	ug/l		93
82) 4-Chlorotoluene	11.451	91	611736	111.948	ug/l		100
83) tert-Butylbenzene	11.713	119	617473	115.065	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	623456	114.236	ug/l		99
85) sec-Butylbenzene	11.890	105	786293	118.023	ug/l		99
86) p-Isopropyltoluene	12.006	119	651531	121.113	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	313100	110.394	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	311752	112.167	ug/l		100
89) n-Butylbenzene	12.329	91	605783	129.533	ug/l		100
90) Hexachloroethane	12.536	117	123188	123.091	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	308039	111.506	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	64438	120.915	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	203255	134.366	ug/l		98
94) Hexachlorobutadiene	13.719	225	80558	113.857	ug/l		99
95) Naphthalene	13.774	128	721236	130.929	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	200379	126.331	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

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

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

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
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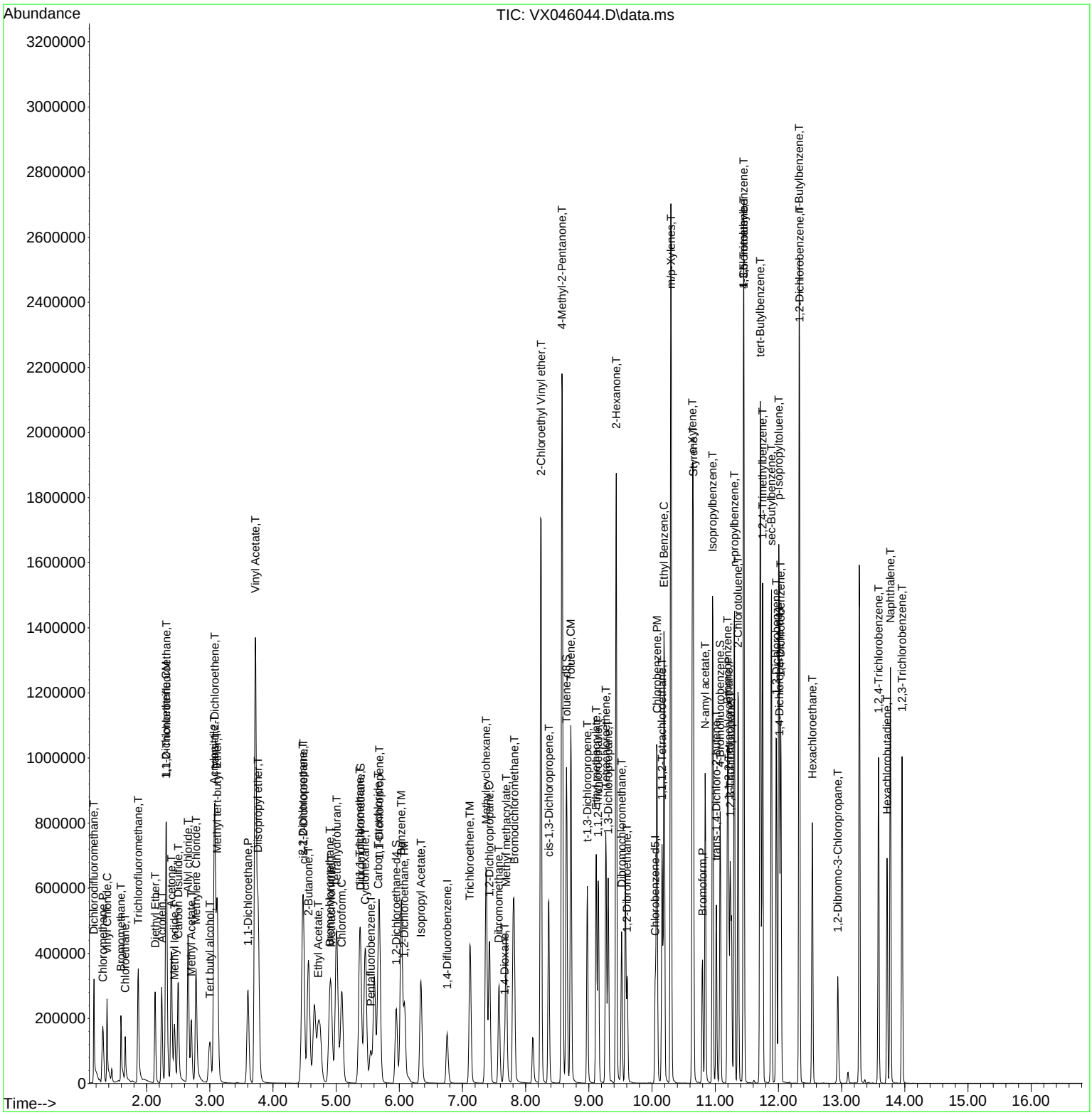
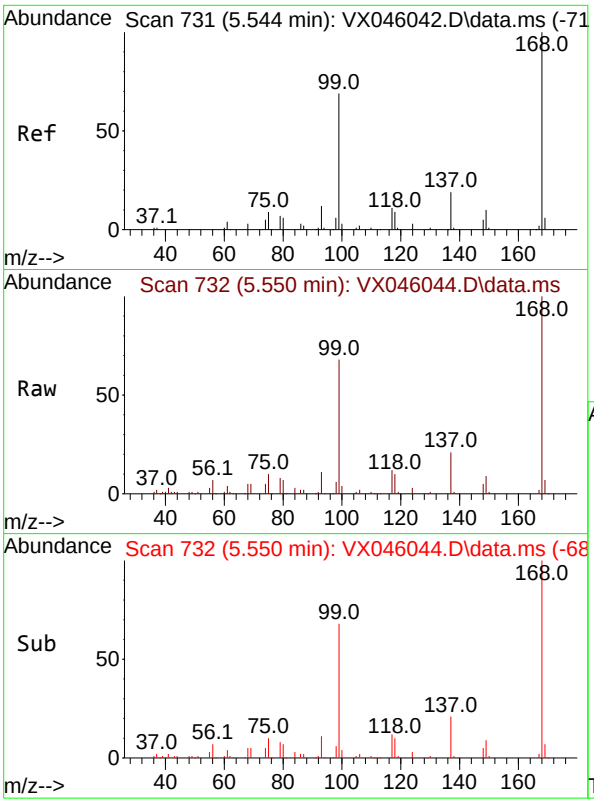
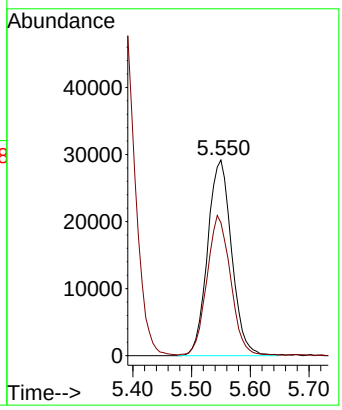




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:168 Resp: 8296

Ion	Ratio	Lower	Upper
168	100		
99	67.6	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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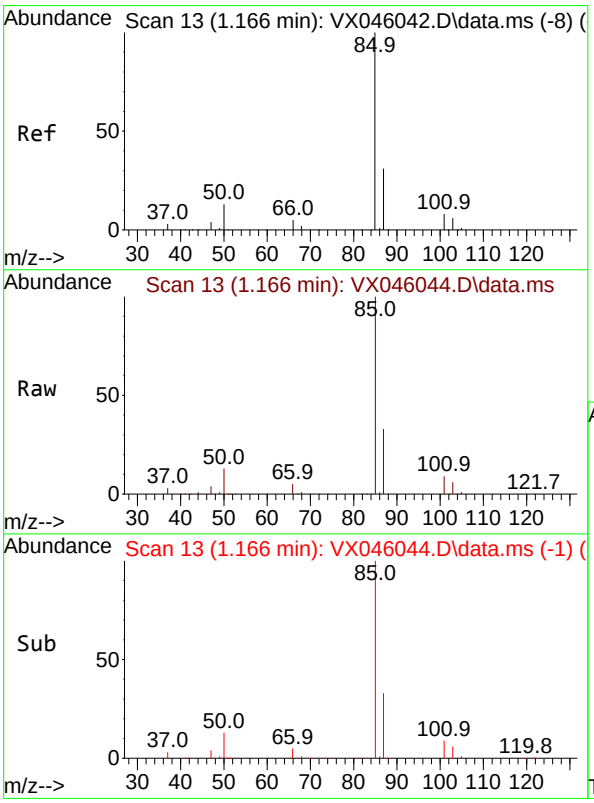
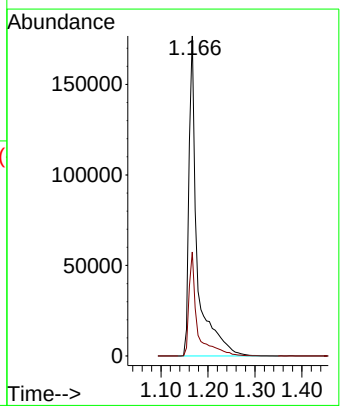
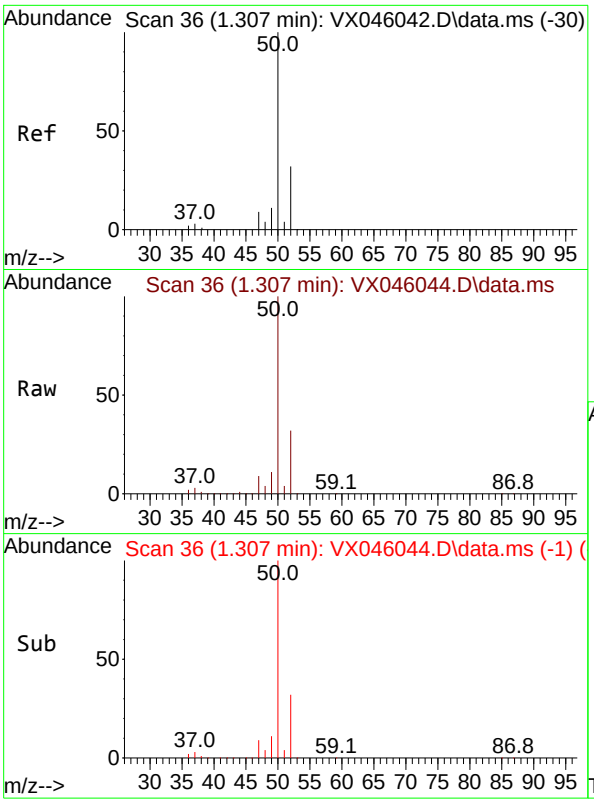


#2
Dichlorodifluoromethane
Concen: 118.929 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 85 Resp: 217793

Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.7	47.1

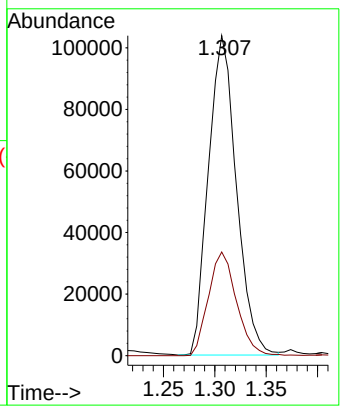




#3
Chloromethane
Concen: 109.161 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 50 Resp: 19684

Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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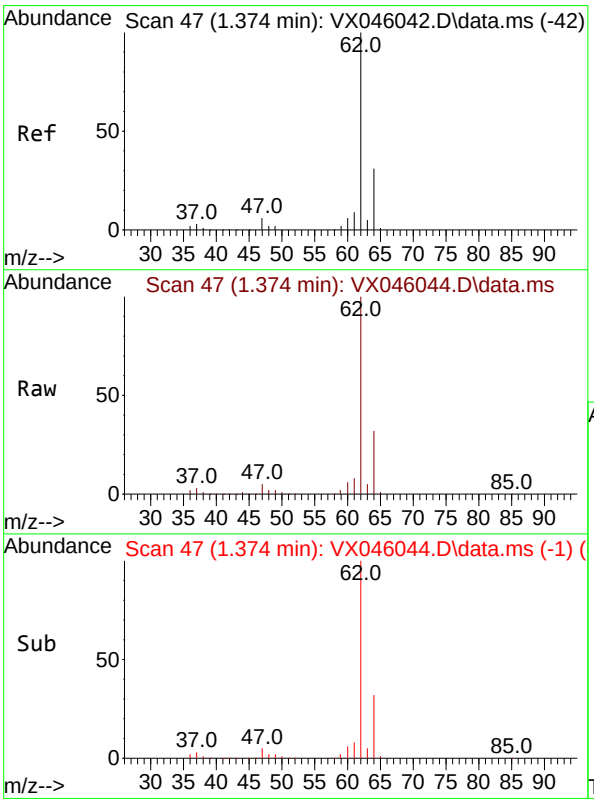
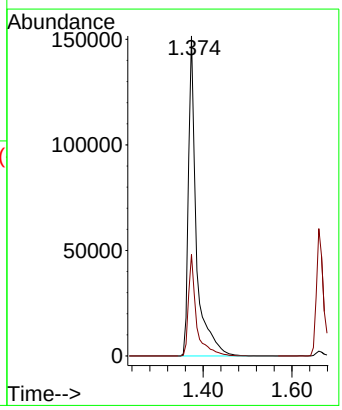
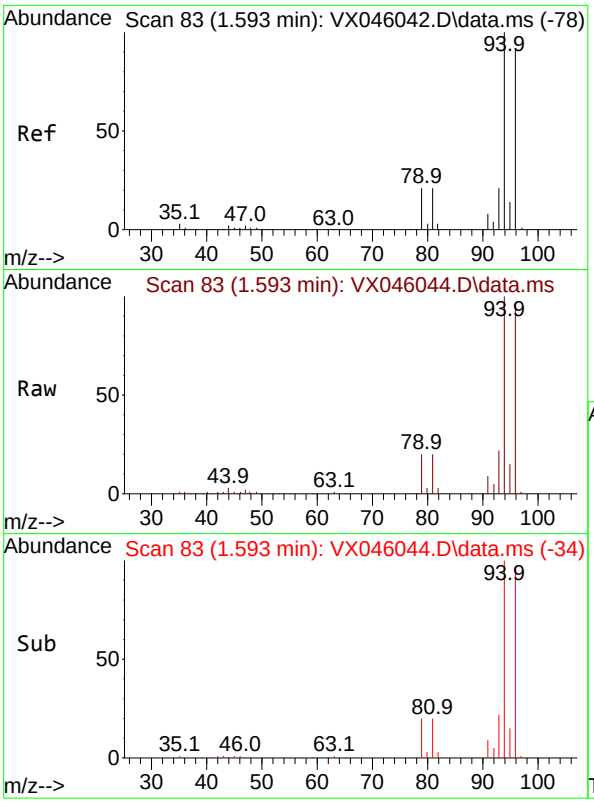


#4
Vinyl Chloride
Concen: 118.953 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 62 Resp: 187924

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.2	37.8





#5
Bromomethane
Concen: 103.625 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 94 Resp: 8300

Ion	Ratio	Lower	Upper
94	100		
96	95.8	72.8	109.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
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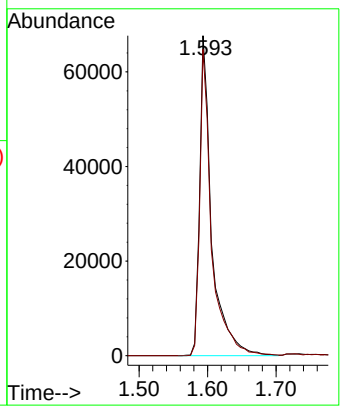
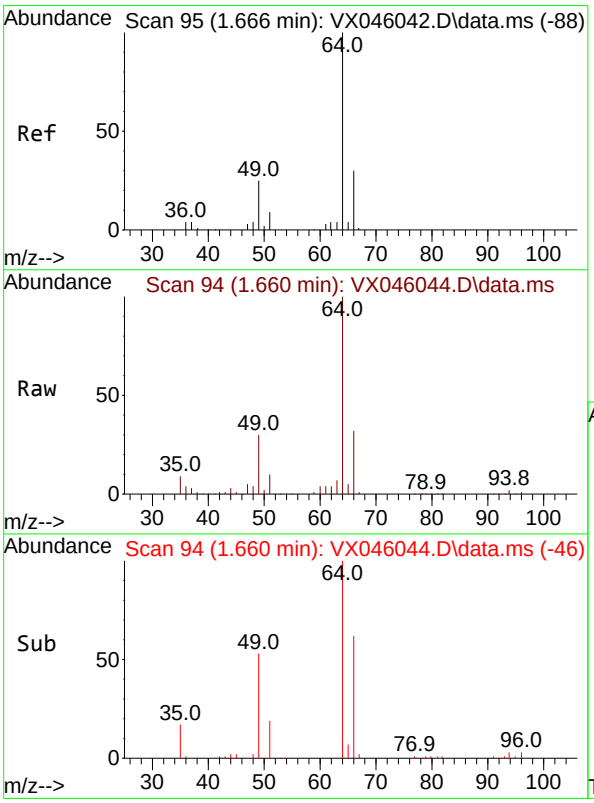
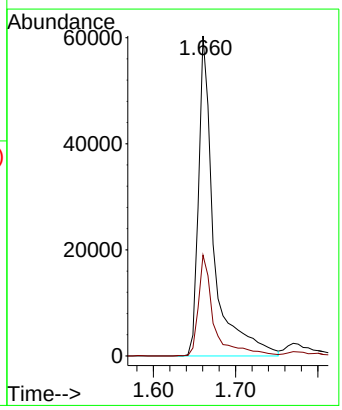


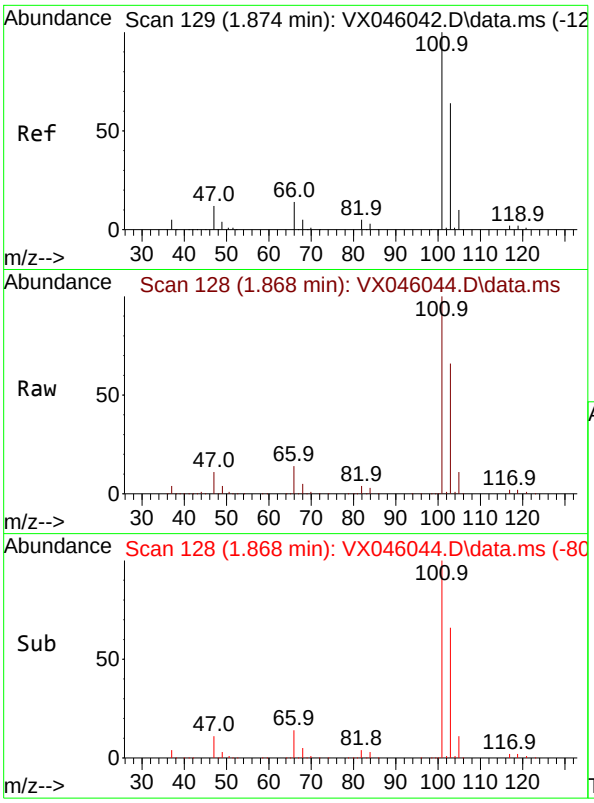


#6
Chloroethane
Concen: 96.822 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 64 Resp: 78806

Ion	Ratio	Lower	Upper
64	100		
66	31.3	24.3	36.5

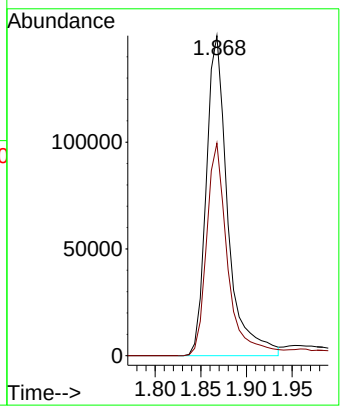




#7
Trichlorofluoromethane
Concen: 101.851 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:101 Resp: 24510

Ion	Ratio	Lower	Upper
101	100		
103	66.4	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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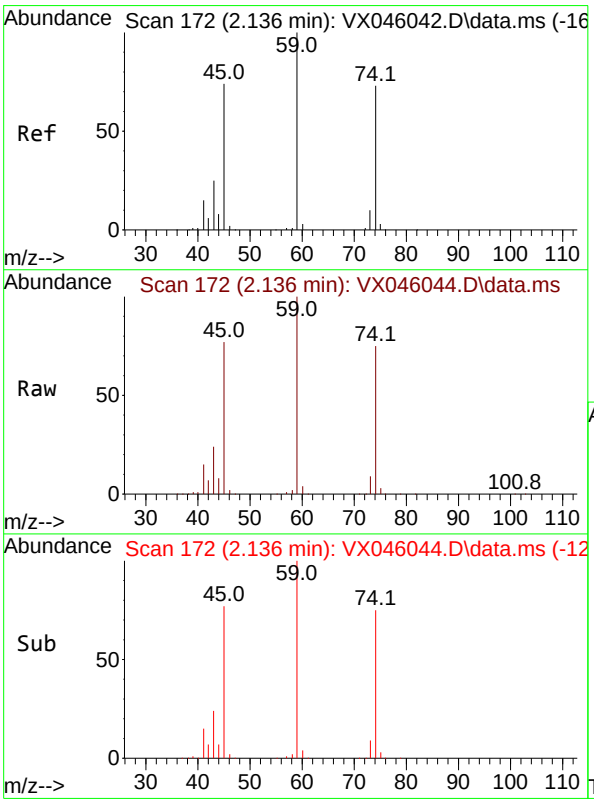
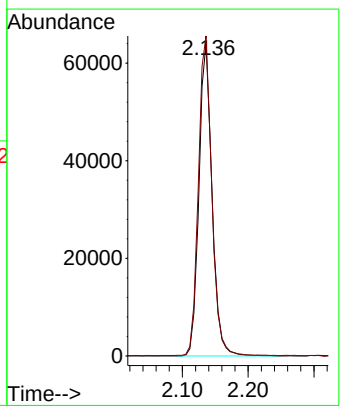
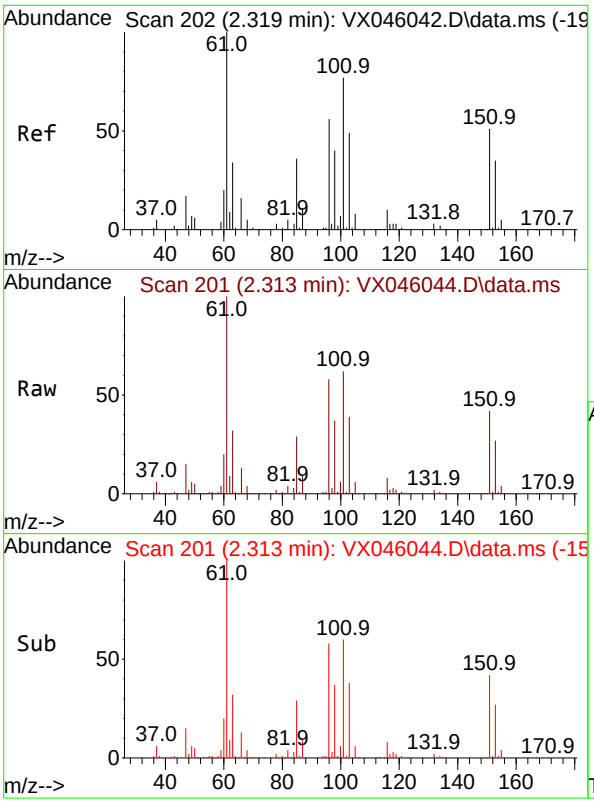


#8
Diethyl Ether
Concen: 111.791 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 74 Resp: 88441

Ion	Ratio	Lower	Upper
74	100		
45	104.7	54.9	164.8





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

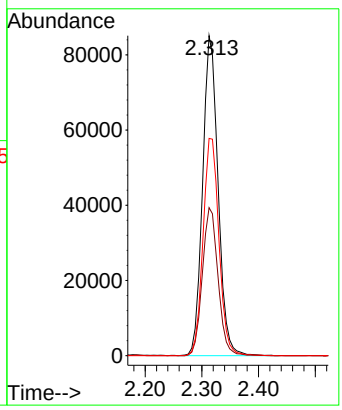
Tgt Ion:101 Resp: 16140

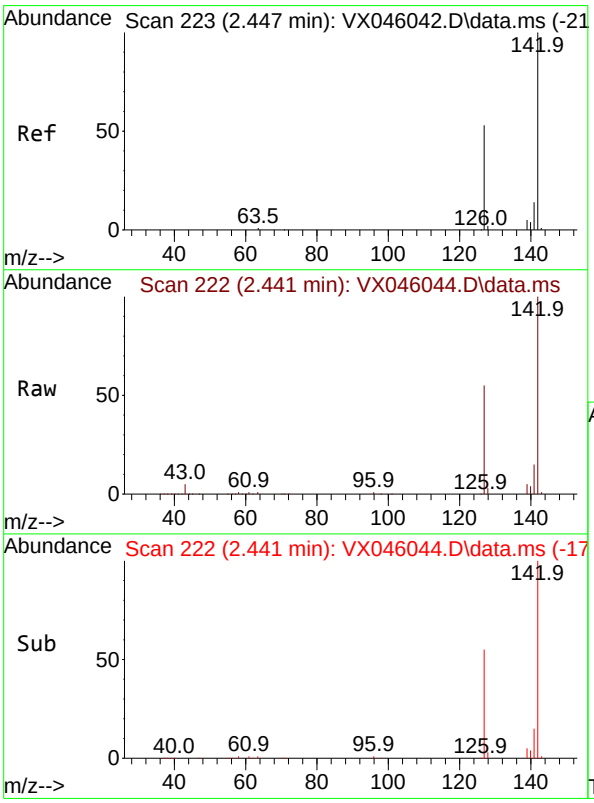
Ion	Ratio	Lower	Upper
101	100		
85	46.8	38.6	58.0
151	69.8	55.2	82.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

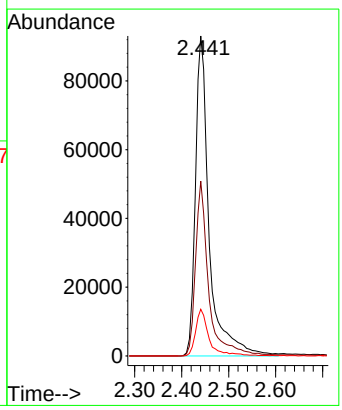


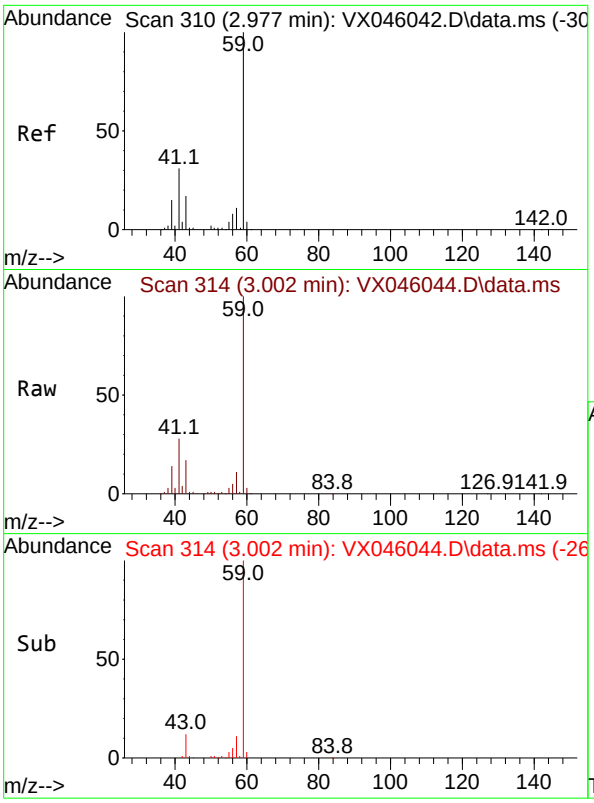


#10
Methyl Iodide
Concen: 112.441 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:142 Resp: 189843

Ion	Ratio	Lower	Upper
142	100		
127	52.4	41.7	62.5
141	14.4	11.5	17.3

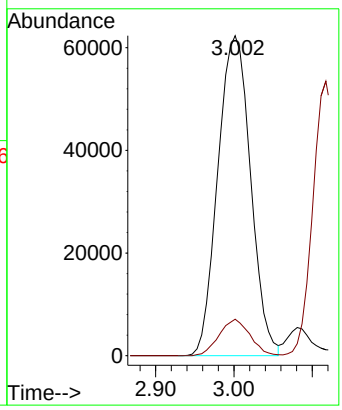




#11
Tert butyl alcohol
Concen: 616.119 ug/l
RT: 3.002 min Scan# 3
Delta R.T. 0.024 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 59 Resp: 18123

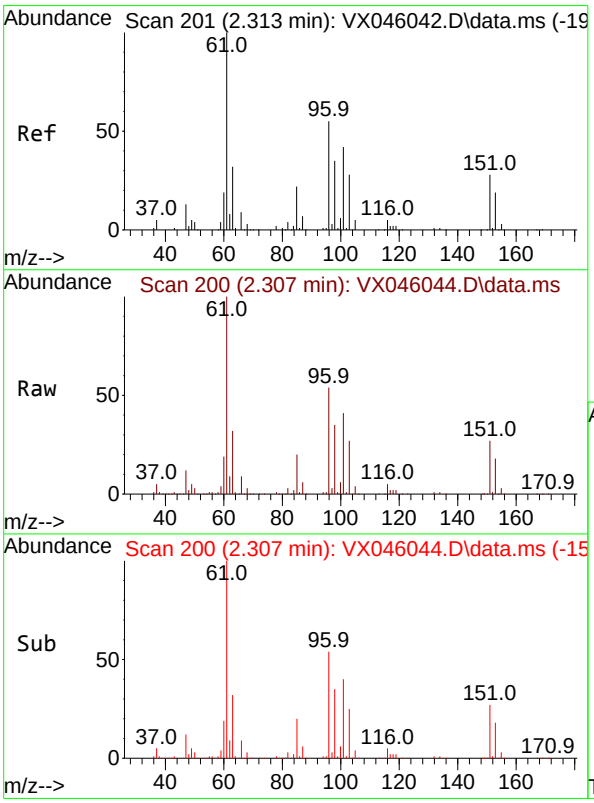
Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

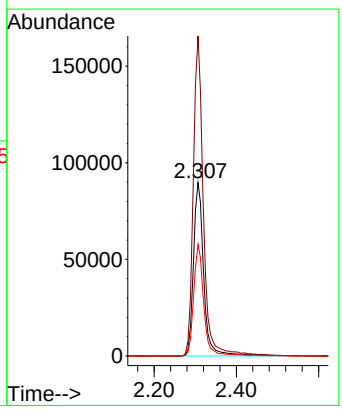
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

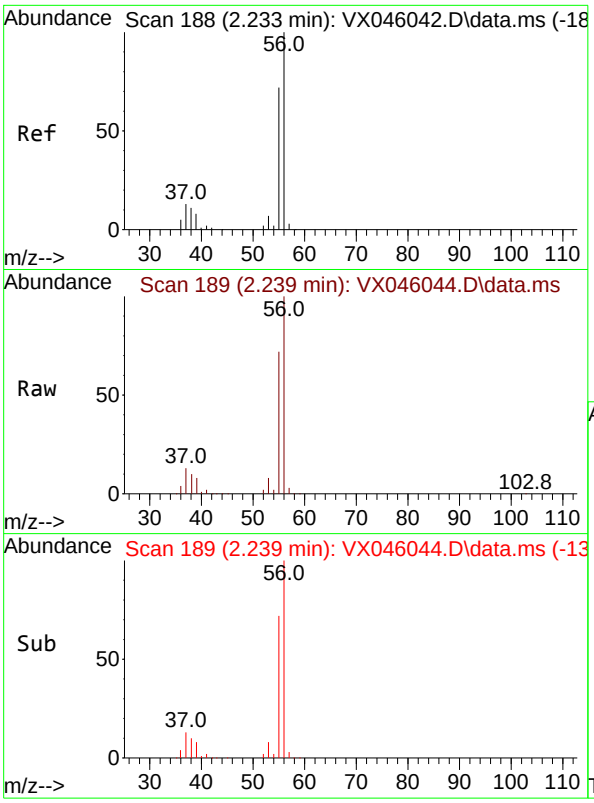


#12
1,1-Dichloroethene
Concen: 111.039 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 96 Resp: 155451

Ion	Ratio	Lower	Upper
96	100		
61	184.5	146.2	219.2
98	64.3	51.0	76.6

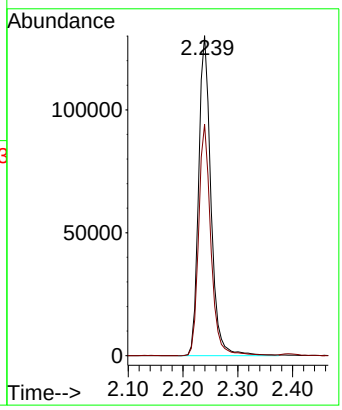




#13
Acrolein
Concen: 594.872 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 56 Resp: 20325

Ion	Ratio	Lower	Upper
56	100		
55	72.1	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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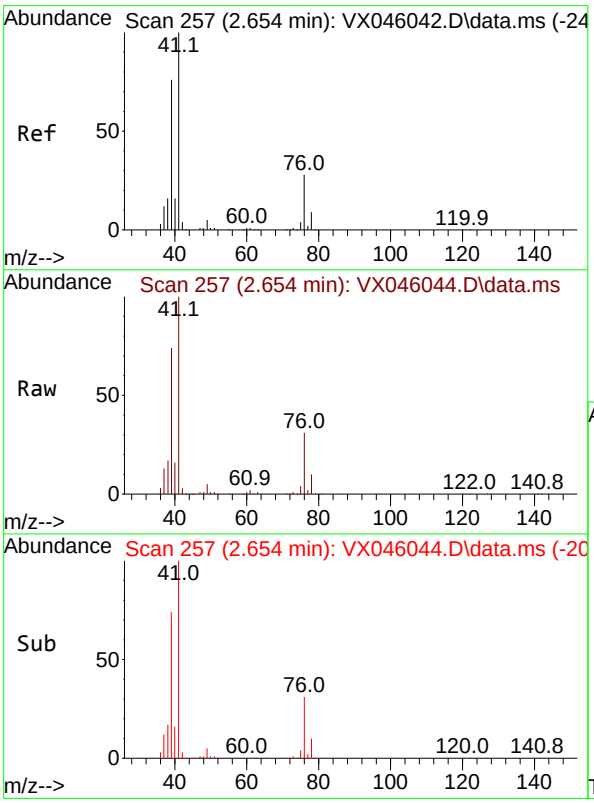
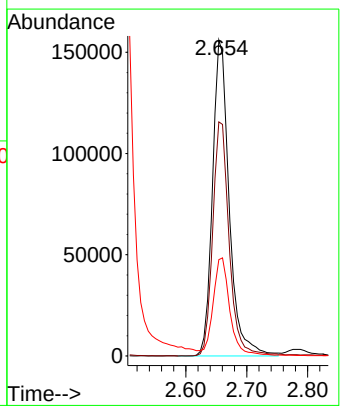
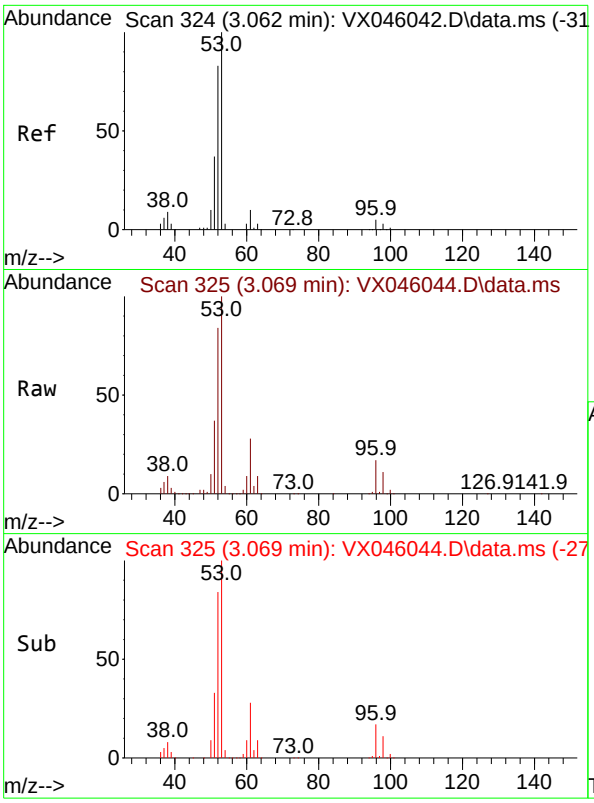


#14
Allyl chloride
Concen: 112.561 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 41 Resp: 297776

Ion	Ratio	Lower	Upper
41	100		
39	73.7	60.6	90.8
76	31.8	24.9	37.3





#15
Acrylonitrile
Concen: 550.973 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 53 Resp: 48485

Ion	Ratio	Lower	Upper
53	100		
52	84.2	65.3	97.9
51	37.5	29.8	44.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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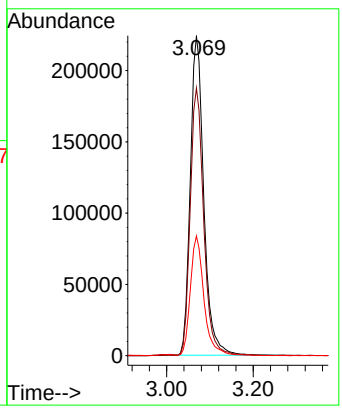
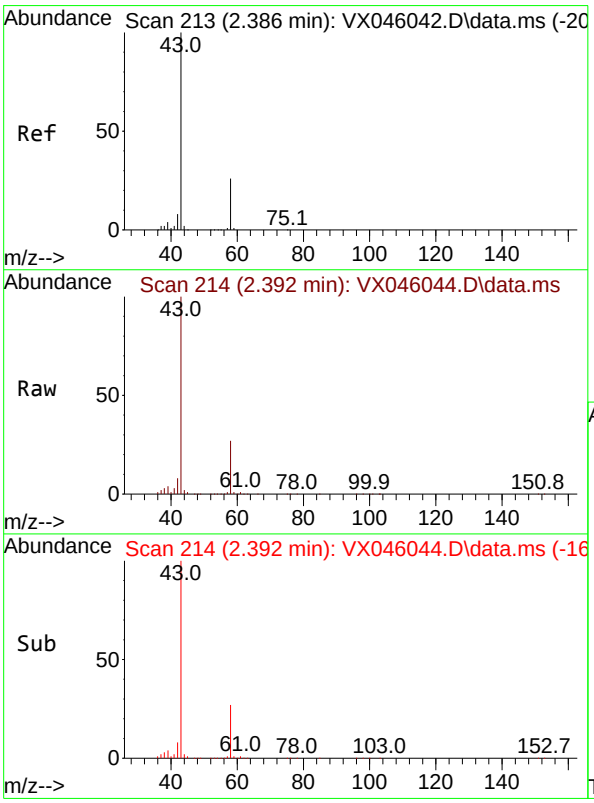
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

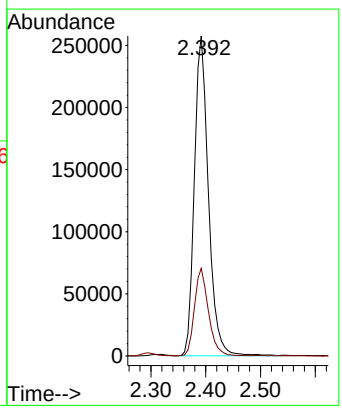


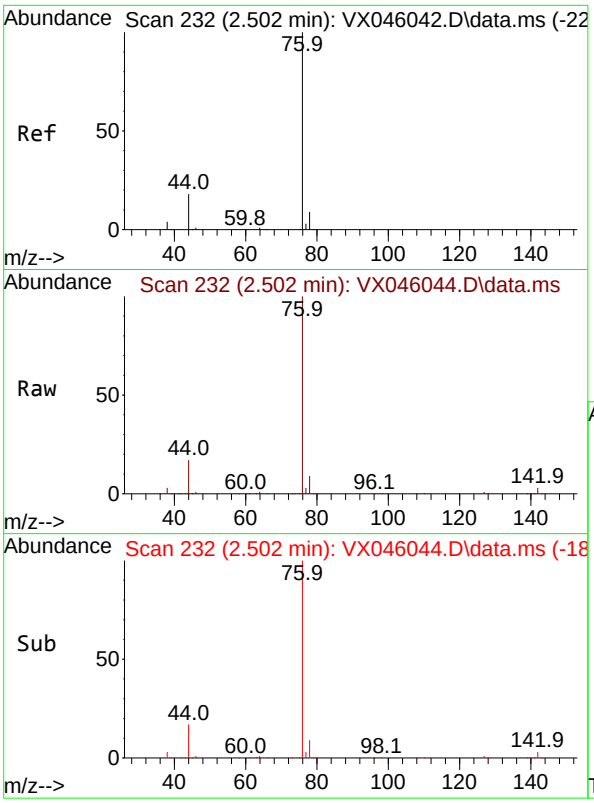


#16
Acetone
Concen: 545.754 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 460820

Ion	Ratio	Lower	Upper
43	100		
58	27.3	21.2	31.8

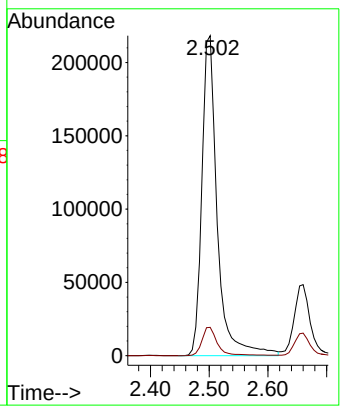




#17
Carbon Disulfide
Concen: 122.499 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 76 Resp: 39735

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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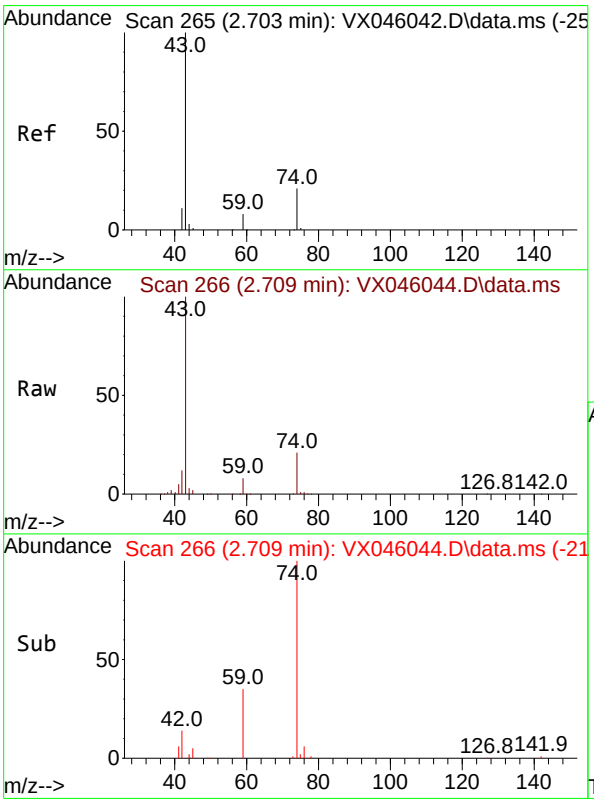
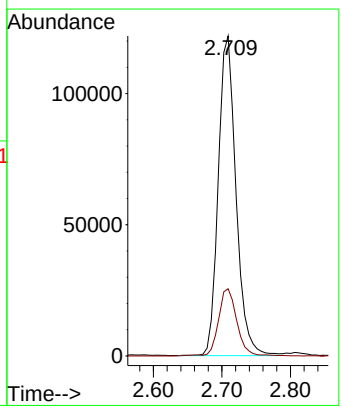
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

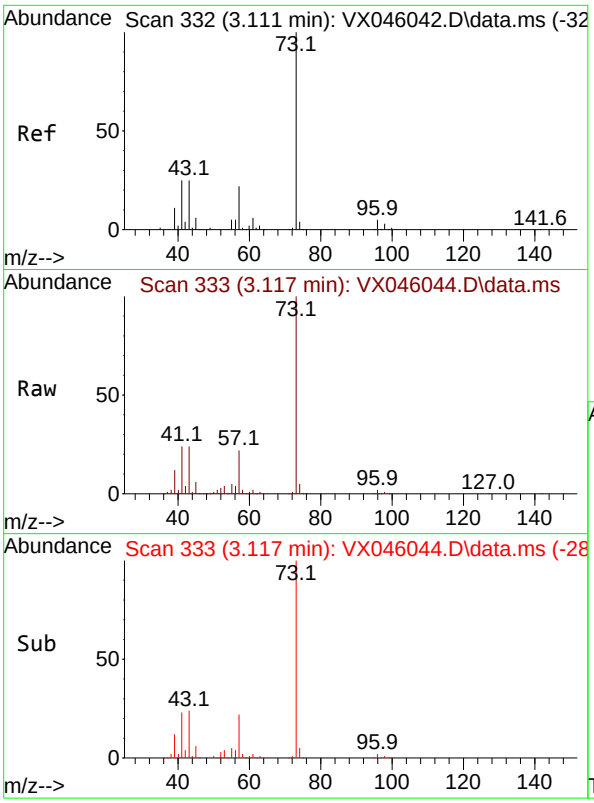


#18
Methyl Acetate
Concen: 108.099 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 217885

Ion	Ratio	Lower	Upper
43	100		
74	21.9	16.7	25.1

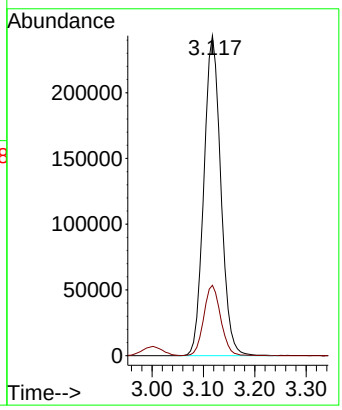




#19
Methyl tert-butyl Ether
Concen: 114.112 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 73 Resp: 55721

Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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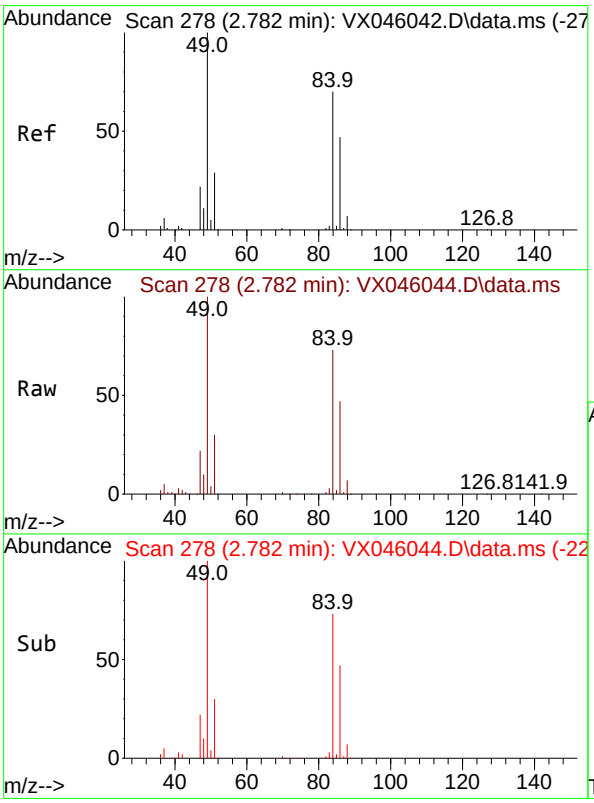
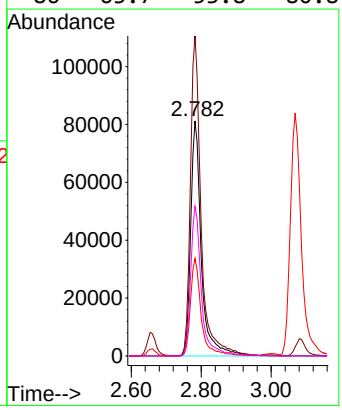
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

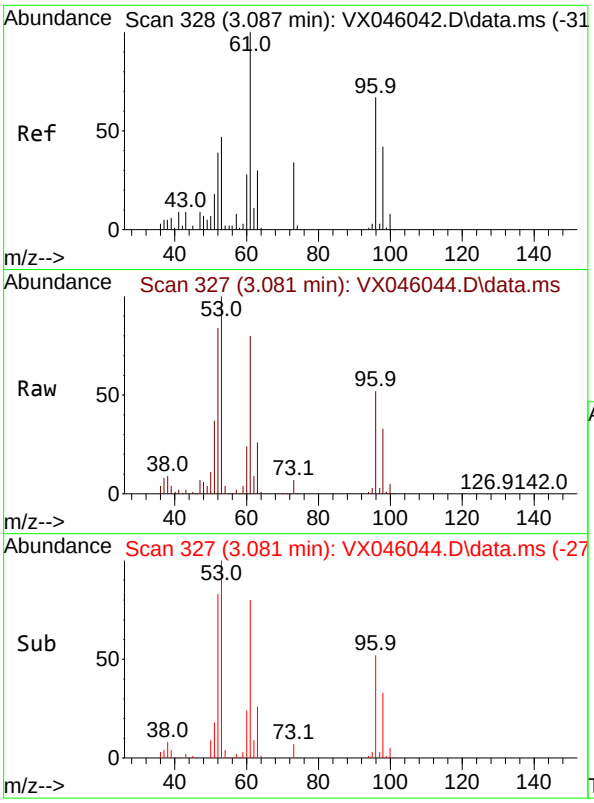


#20
Methylene Chloride
Concen: 100.579 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 84 Resp: 172035

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

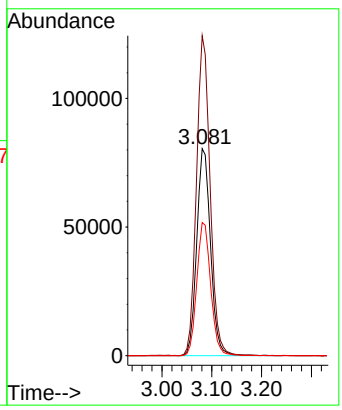




#21
trans-1,2-Dichloroethene
Concen: 108.241 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 96 Resp: 15469

Ion	Ratio	Lower	Upper
96	100		
61	154.6	119.5	179.3
98	64.3	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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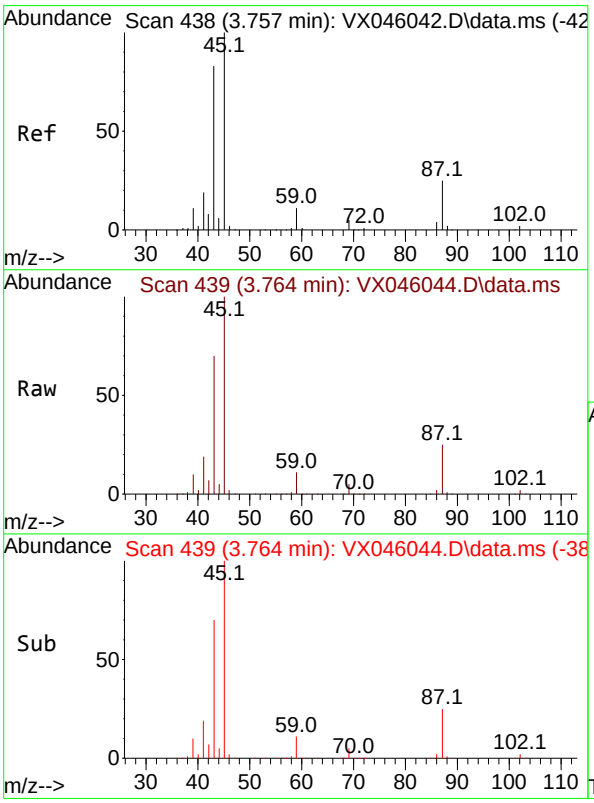
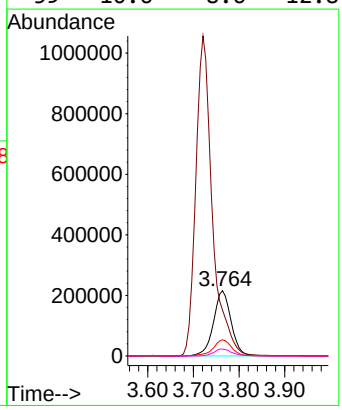
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

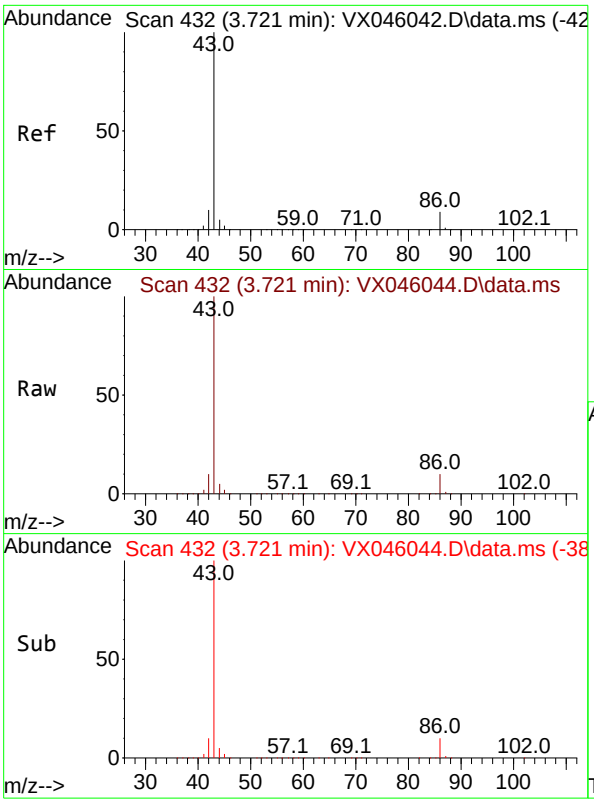


#22
Diisopropyl ether
Concen: 116.858 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 45 Resp: 577610

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





#23
Vinyl Acetate
Concen: 608.005 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 265575

Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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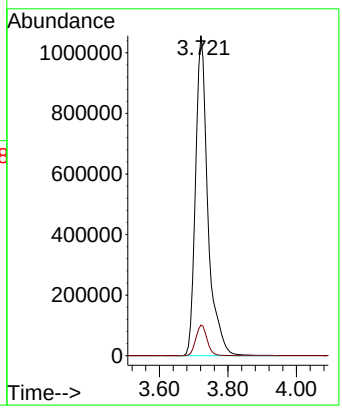
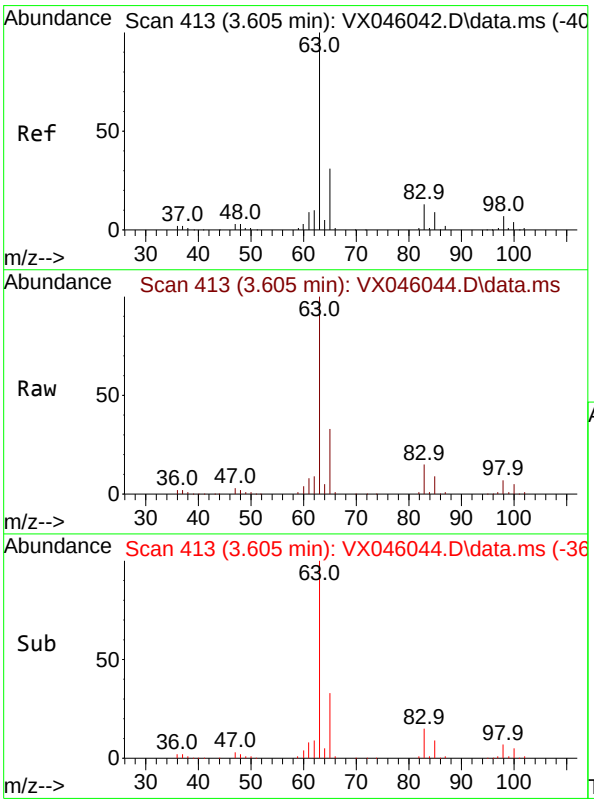
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

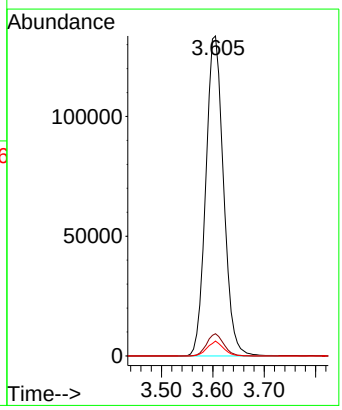


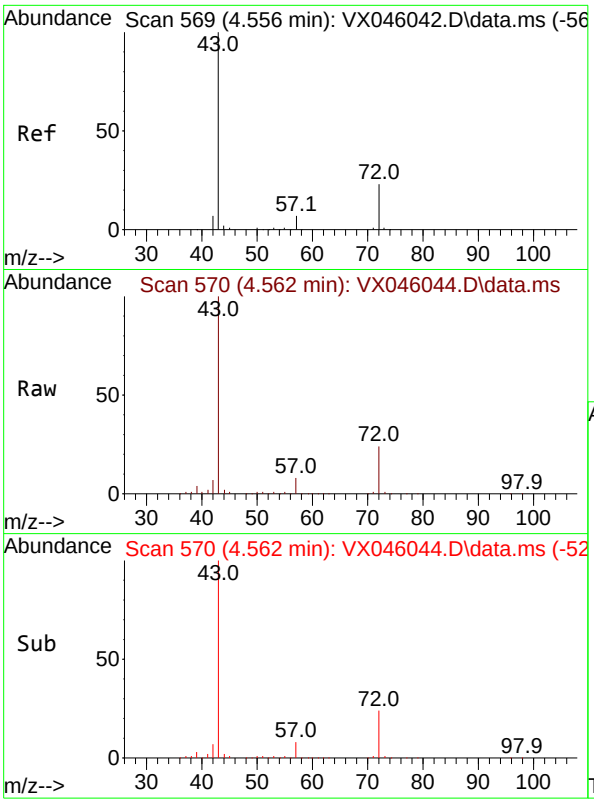


#24
1,1-Dichloroethane
Concen: 110.182 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 63 Resp: 320083

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.6	10.8
100	4.7	2.1	6.3





#25
2-Butanone
Concen: 581.292 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 70846

Ion	Ratio	Lower	Upper
43	100		
72	24.0	18.4	27.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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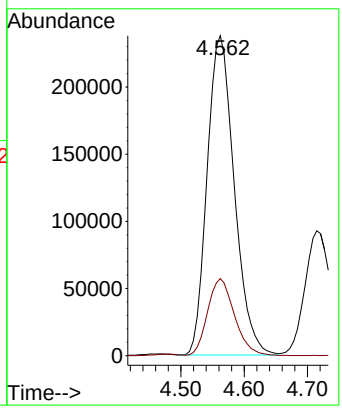
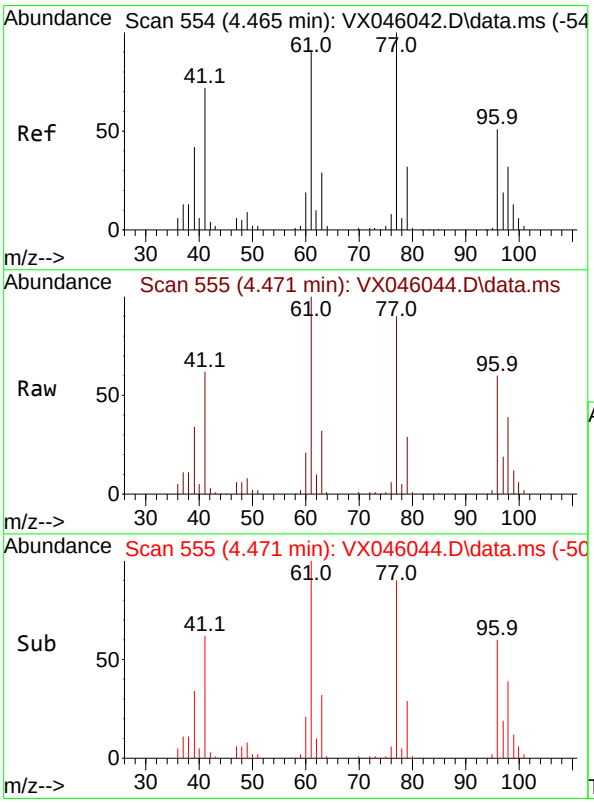
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

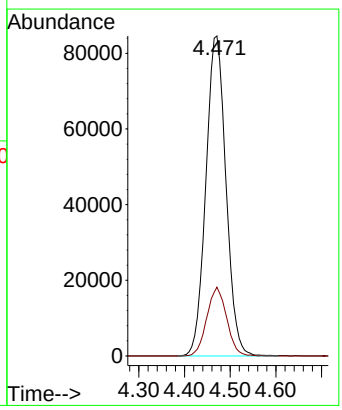


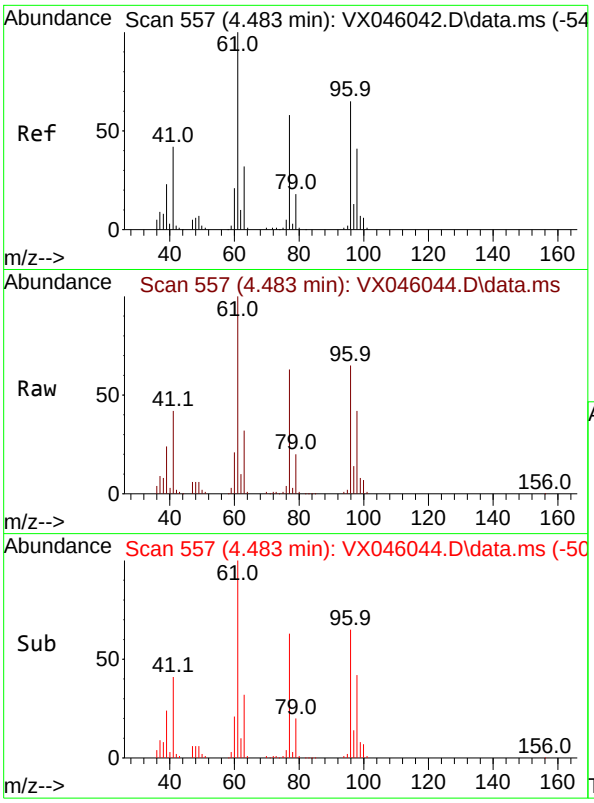


#26
2,2-Dichloropropane
Concen: 117.548 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 77 Resp: 258698

Ion	Ratio	Lower	Upper
77	100		
97	21.1	10.5	31.5





#27
cis-1,2-Dichloroethene
Concen: 108.994 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

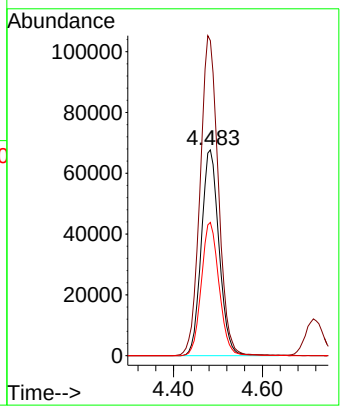
Tgt Ion: 96 Resp: 18783

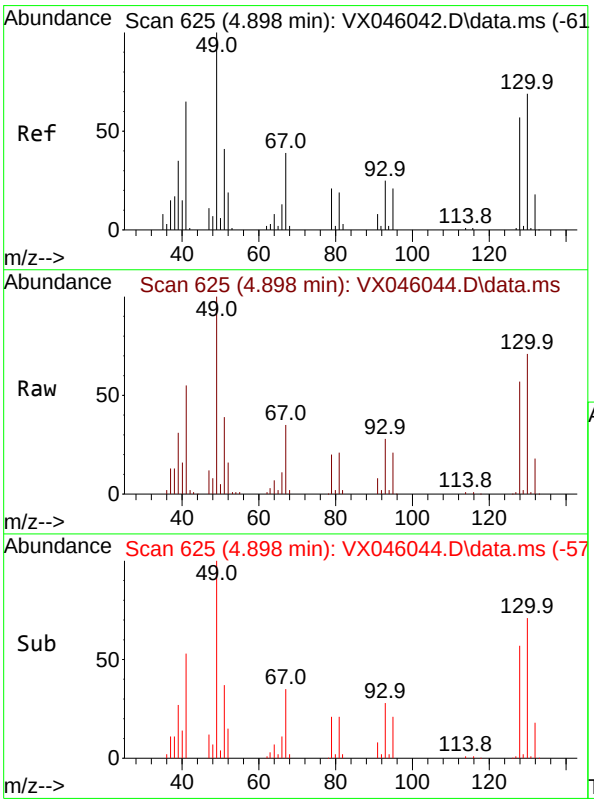
Ion	Ratio	Lower	Upper
96	100		
61	159.8	0.0	322.8
98	64.8	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

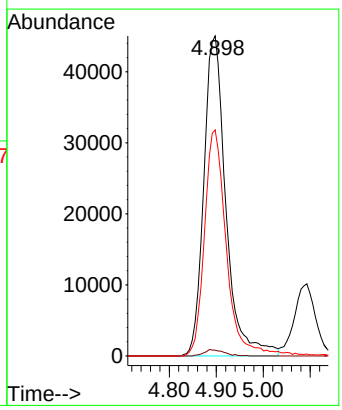


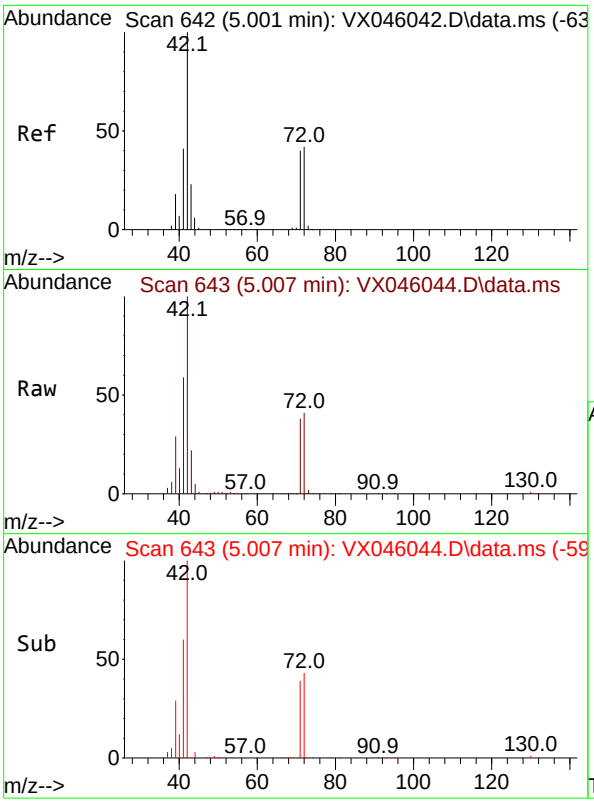


#28
Bromochloromethane
Concen: 95.108 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 49 Resp: 146923

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	70.5	56.2	84.2





#29
Tetrahydrofuran
Concen: 569.081 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 42 Resp: 45045

Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.7	50.5
71	38.7	31.4	47.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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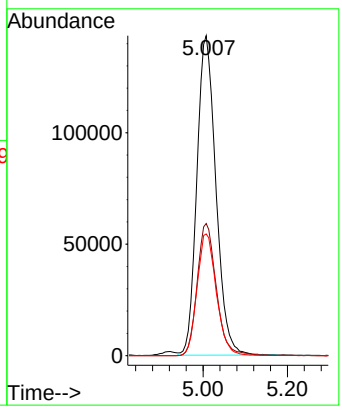
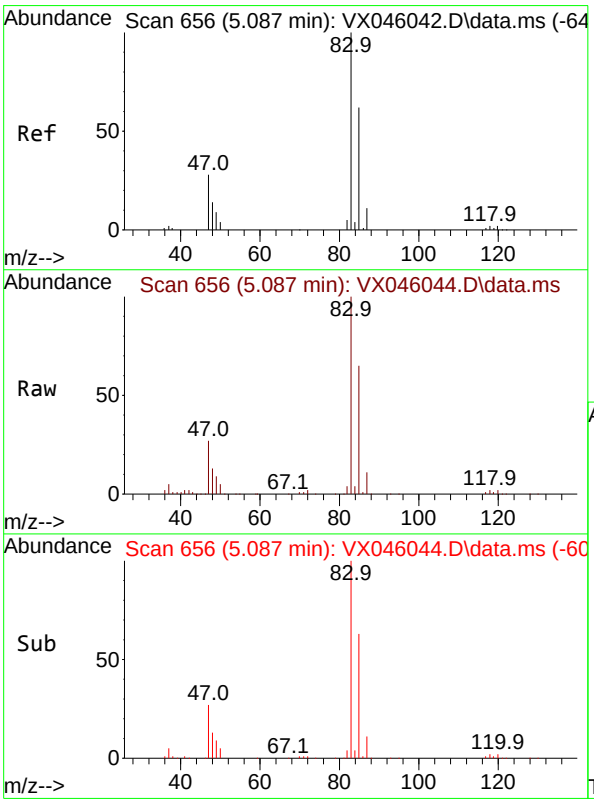
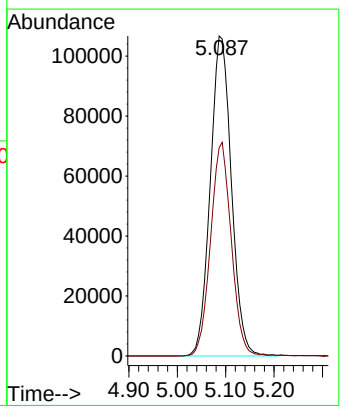


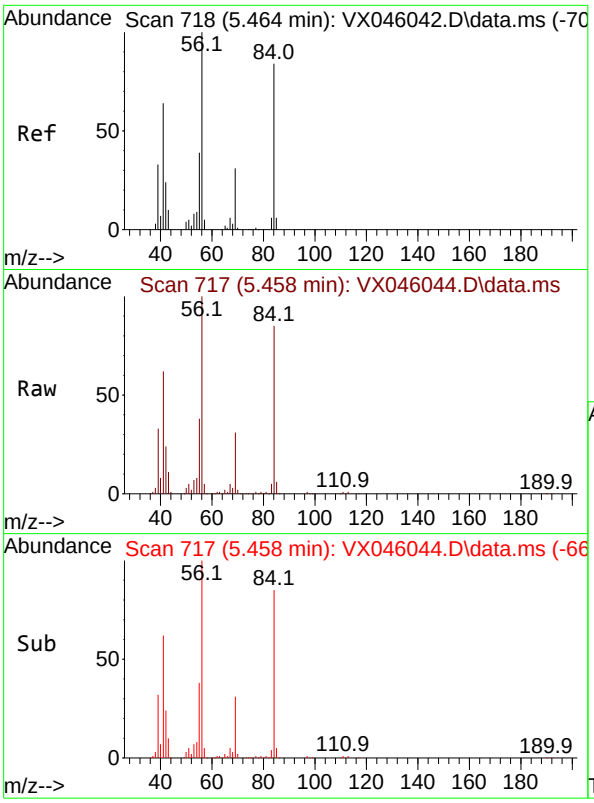


#30
Chloroform
Concen: 107.208 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 83 Resp: 323659

Ion	Ratio	Lower	Upper
83	100		
85	65.1	49.3	73.9

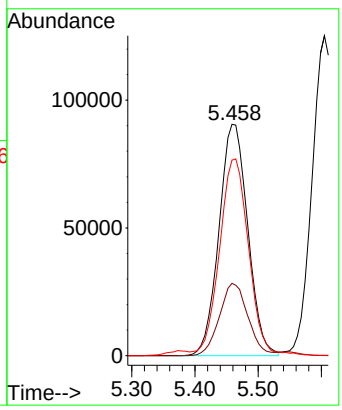




#31
Cyclohexane
Concen: 116.934 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 56 Resp: 28631

Ion	Ratio	Lower	Upper
56	100		
69	31.2	24.4	36.6
84	82.8	66.9	100.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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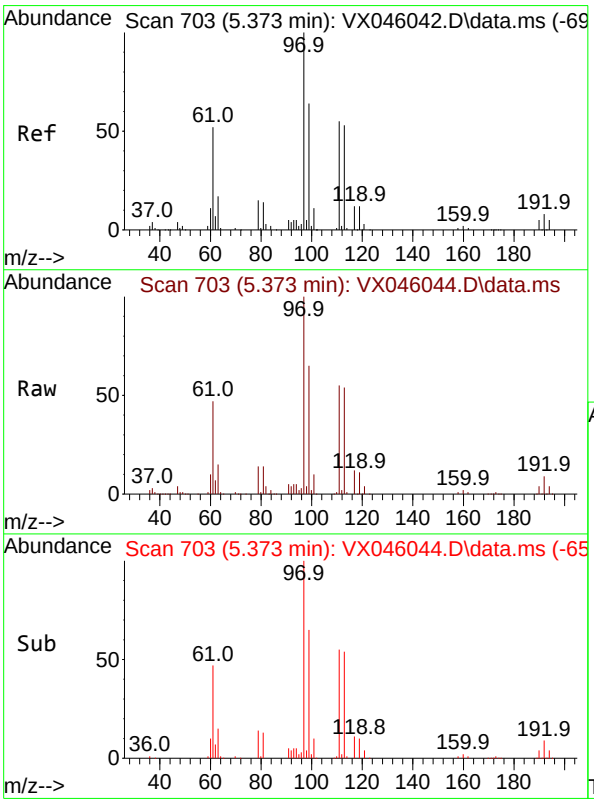
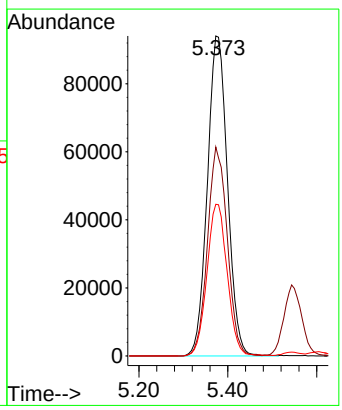
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

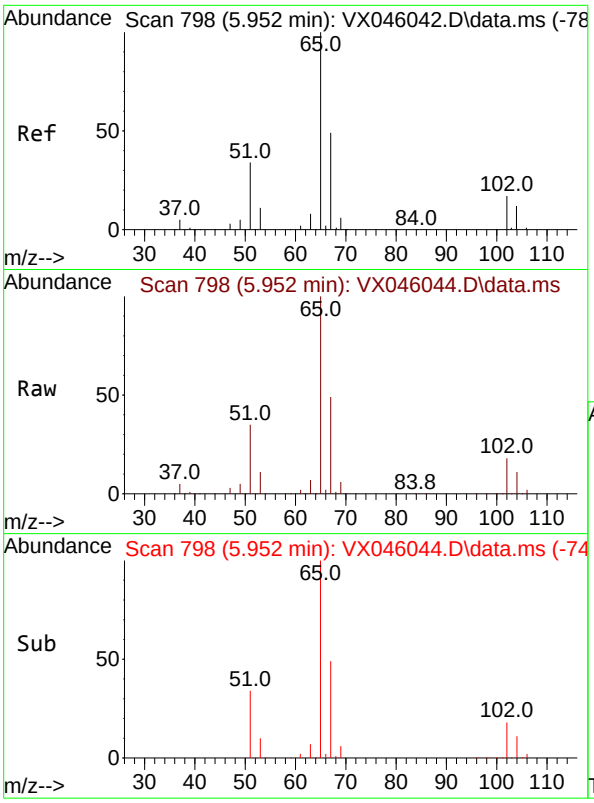


#32
1,1,1-Trichloroethane
Concen: 113.572 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 97 Resp: 295702

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.6
61	48.0	40.1	60.1





#33
1,2-Dichloroethane-d4
Concen: 93.983 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 65 Resp: 23195

Ion	Ratio	Lower	Upper
65	100		
67	49.4	0.0	99.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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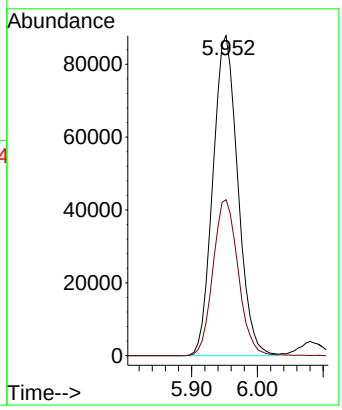
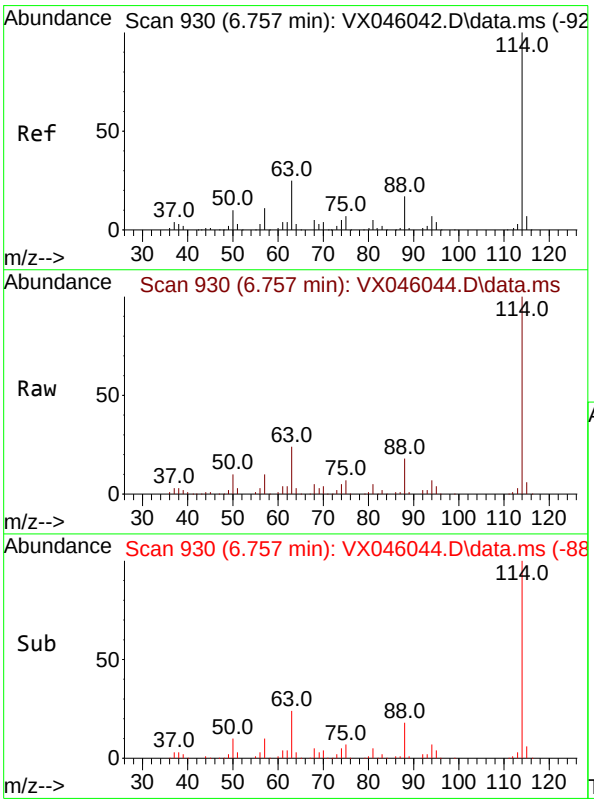
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

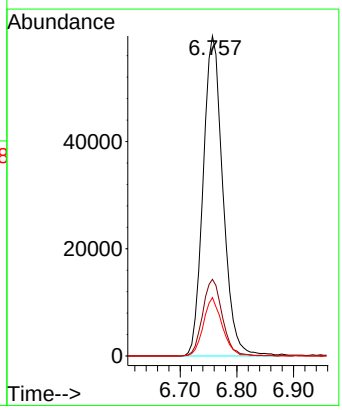


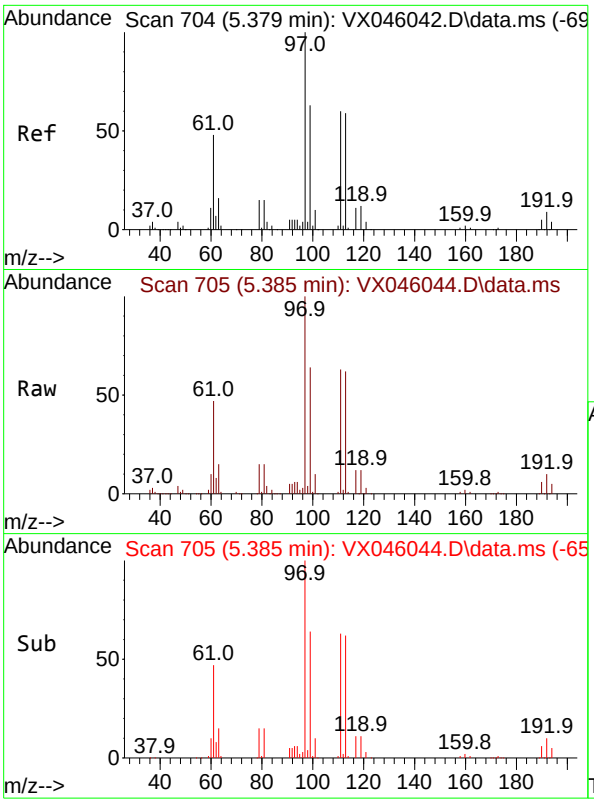


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:114 Resp: 144975

Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	49.2
88	18.3	0.0	33.6

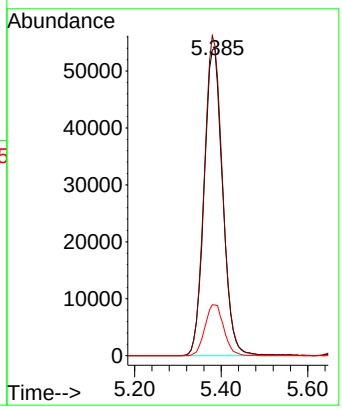




#35
Dibromofluoromethane
Concen: 98.562 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:113 Resp: 16016

Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.1	124.7
192	16.9	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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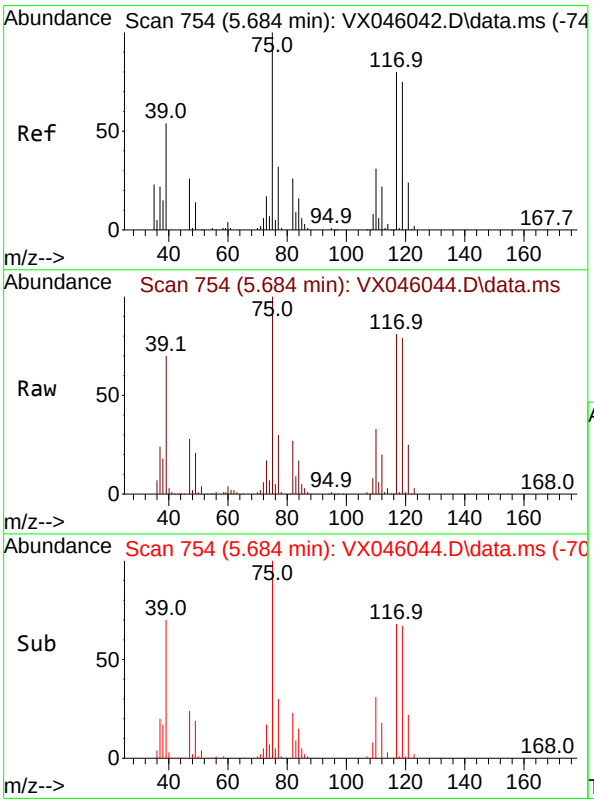
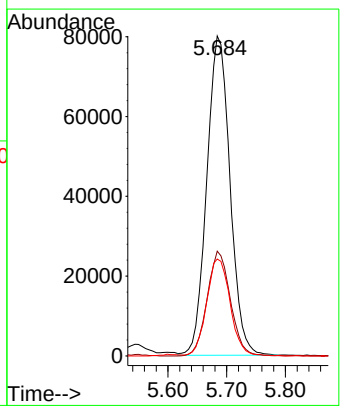
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

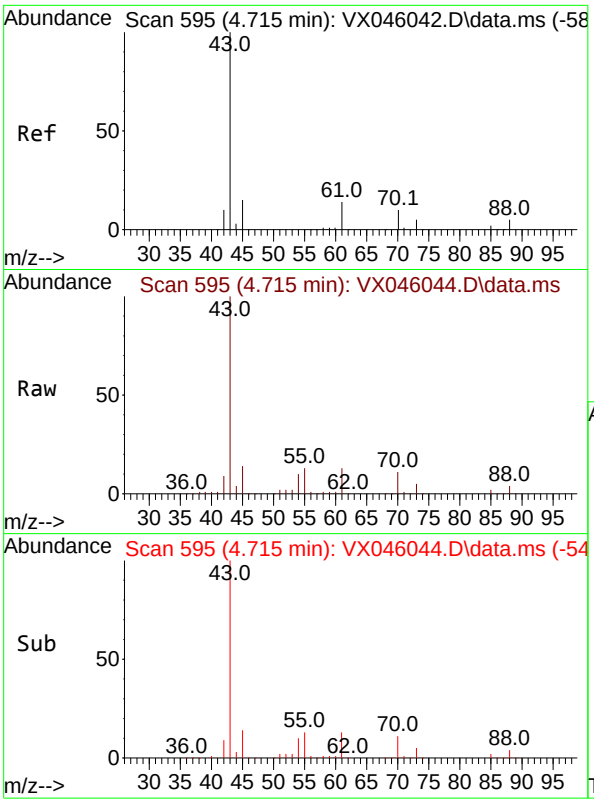


#36
1,1-Dichloropropene
Concen: 116.462 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 75 Resp: 219731

Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.3	48.9
77	30.8	24.3	36.5





#37
Ethyl Acetate
Concen: 115.889 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

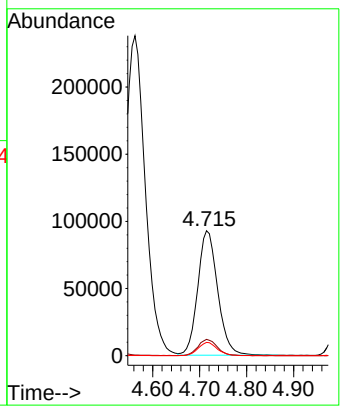
Tgt Ion: 43 Resp: 27431

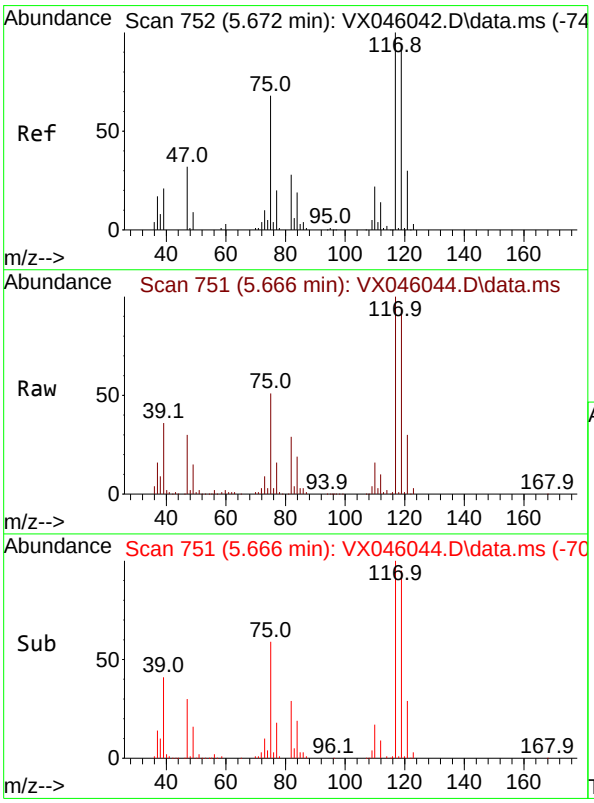
Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.3	15.5
70	10.2	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

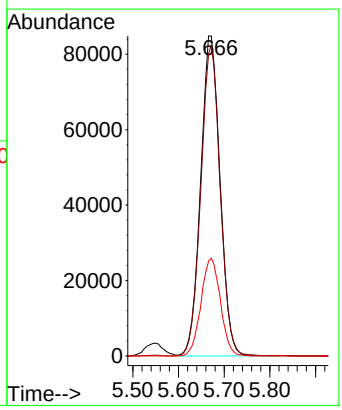


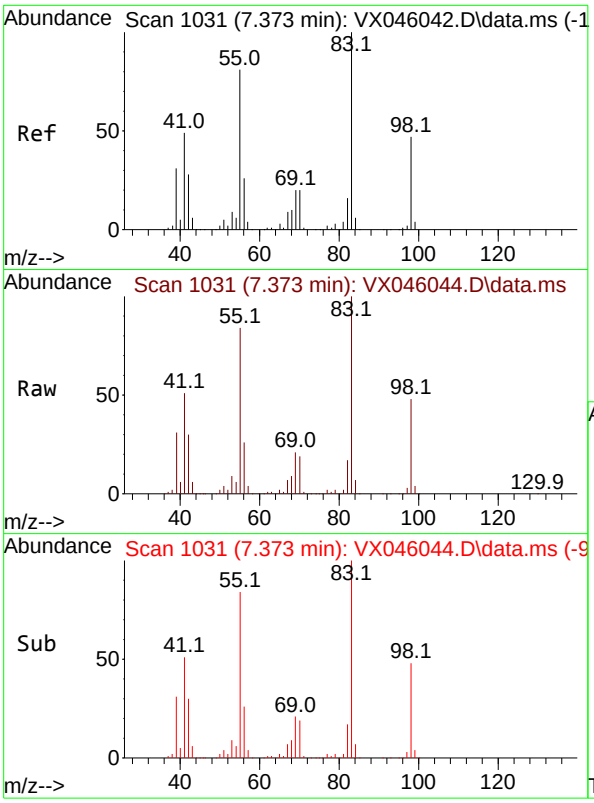


#38
Carbon Tetrachloride
Concen: 115.760 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:117 Resp: 250916

Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.2	112.8
121	29.7	24.2	36.4





#39
Methylcyclohexane
Concen: 121.107 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 83 Resp: 28631

Ion	Ratio	Lower	Upper
83	100		
55	83.8	64.7	97.1
98	47.8	37.4	56.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
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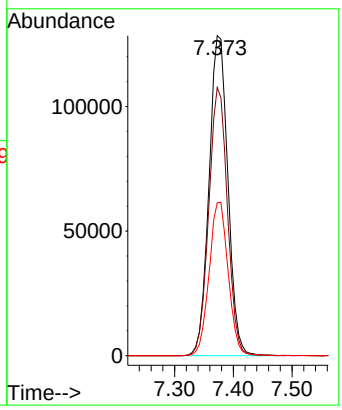
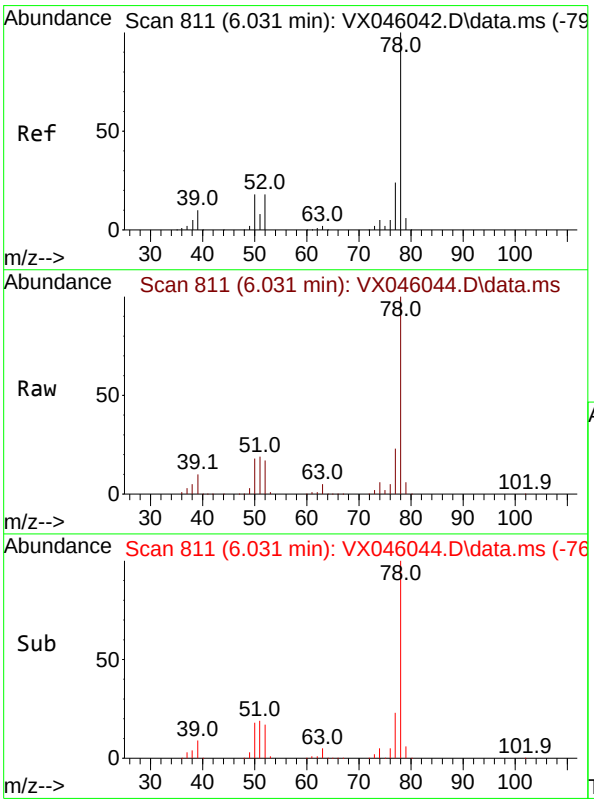
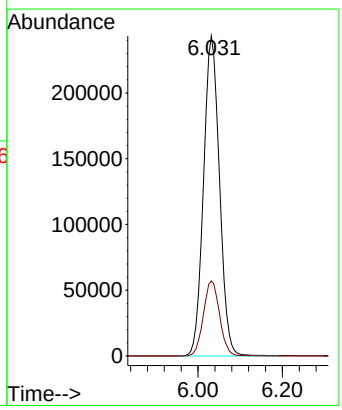


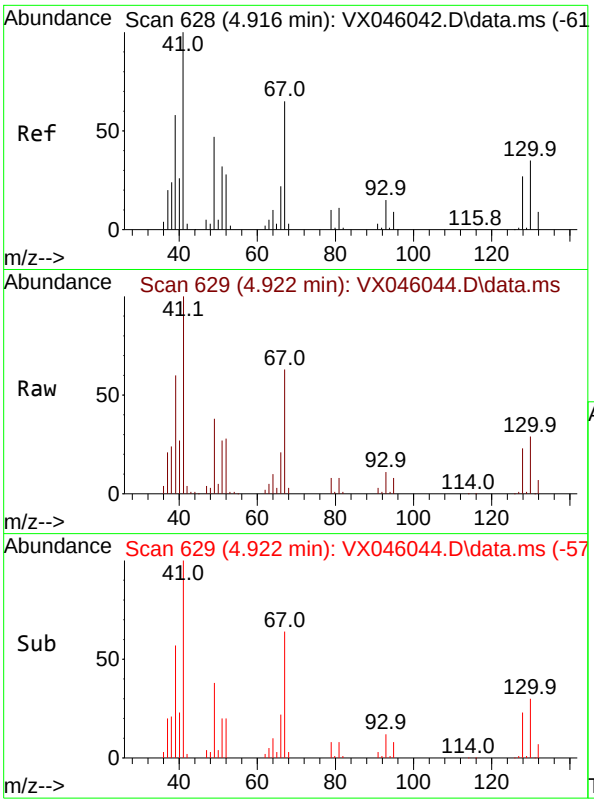


#40
Benzene
Concen: 109.813 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 78 Resp: 642178

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4

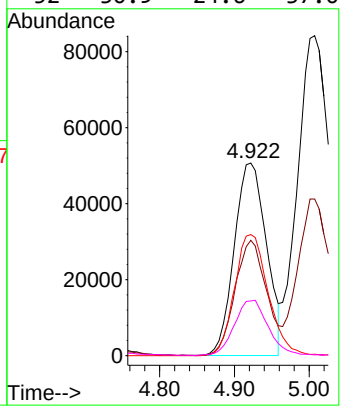




#41
Methacrylonitrile
Concen: 115.139 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 41 Resp: 15142

Ion	Ratio	Lower	Upper
41	100		
39	60.0	47.2	70.8
67	65.9	50.7	76.1
52	30.9	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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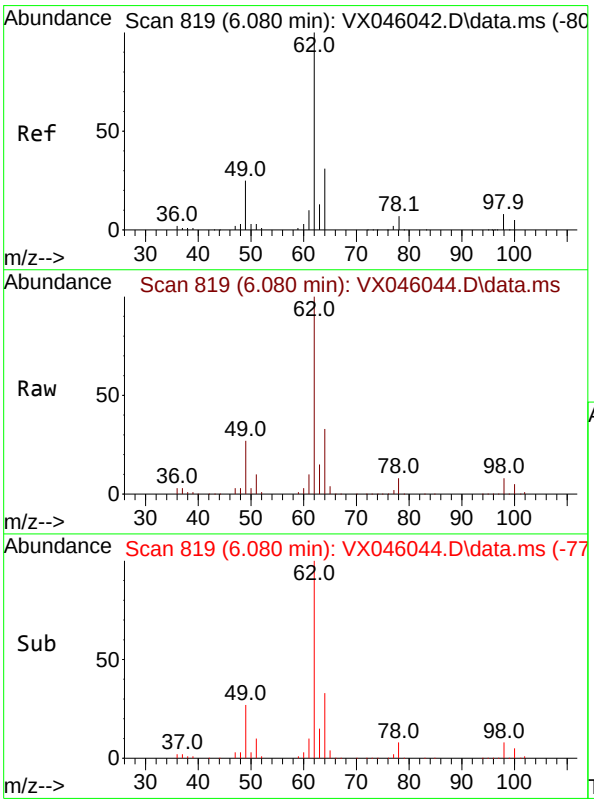
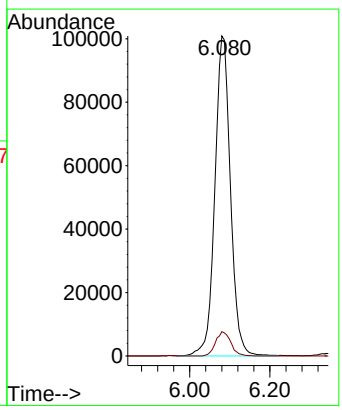
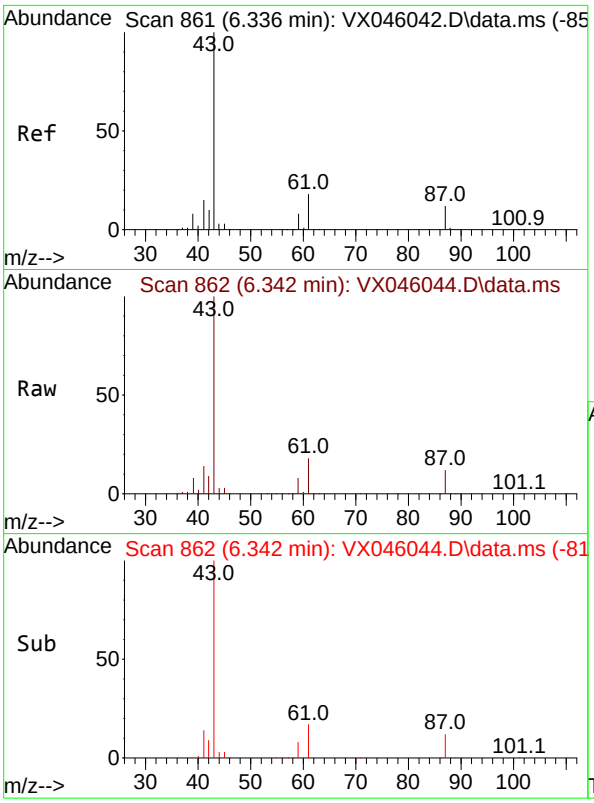


#42
1,2-Dichloroethane
Concen: 112.492 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 62 Resp: 271992

Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.2

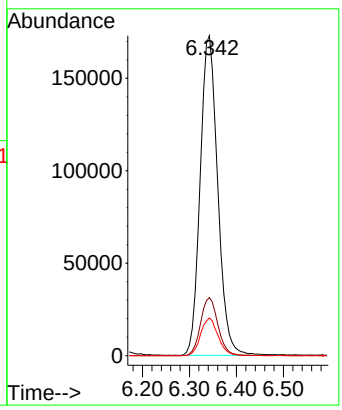




#43
Isopropyl Acetate
Concen: 123.780 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 44787

Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.3	21.5
87	11.7	9.5	14.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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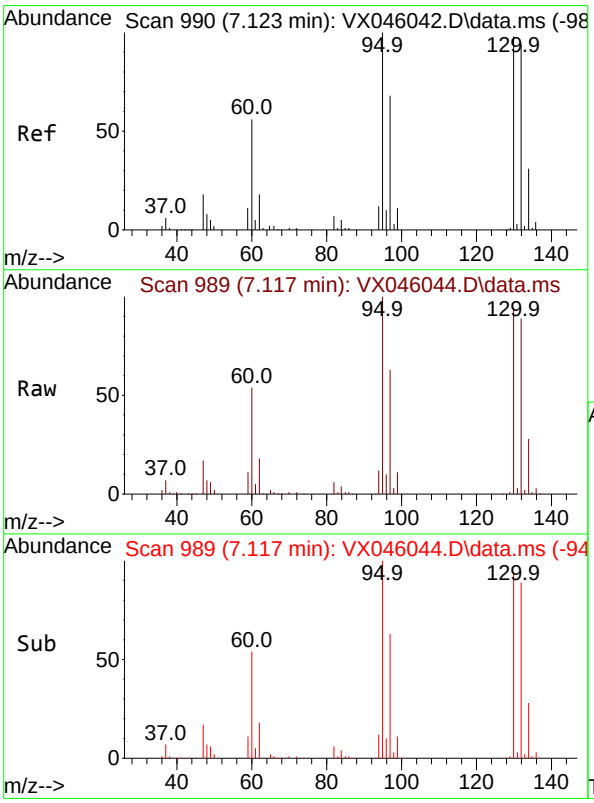
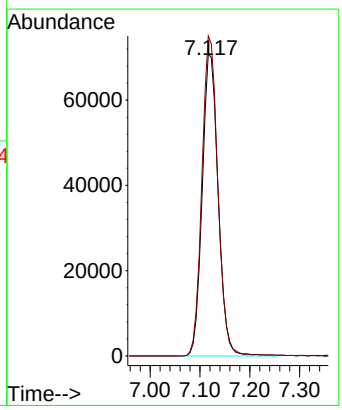
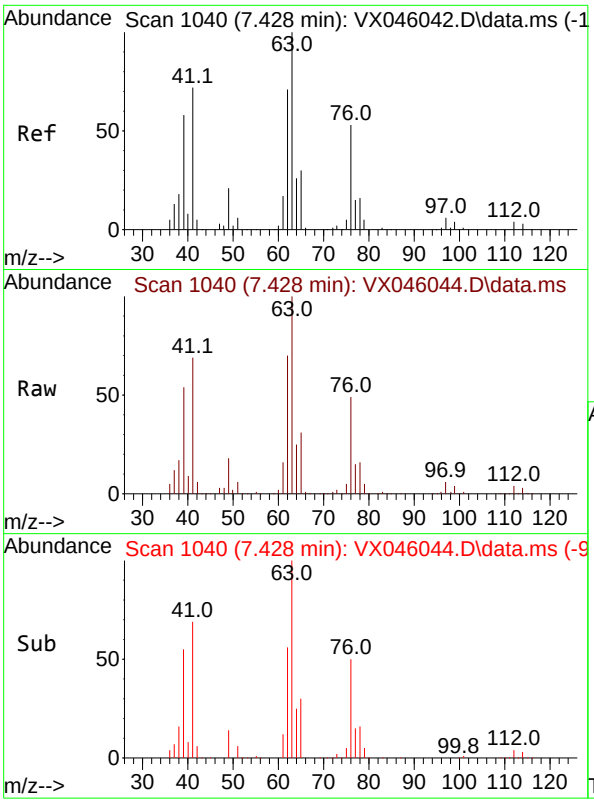


#44
Trichloroethene
Concen: 114.032 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:130 Resp: 157641

Ion	Ratio	Lower	Upper
130	100		
95	105.9	0.0	204.2





#45
1,2-Dichloropropane
Concen: 113.217 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 63 Resp: 16450

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.1	36.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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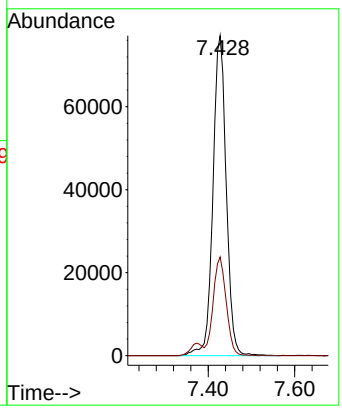
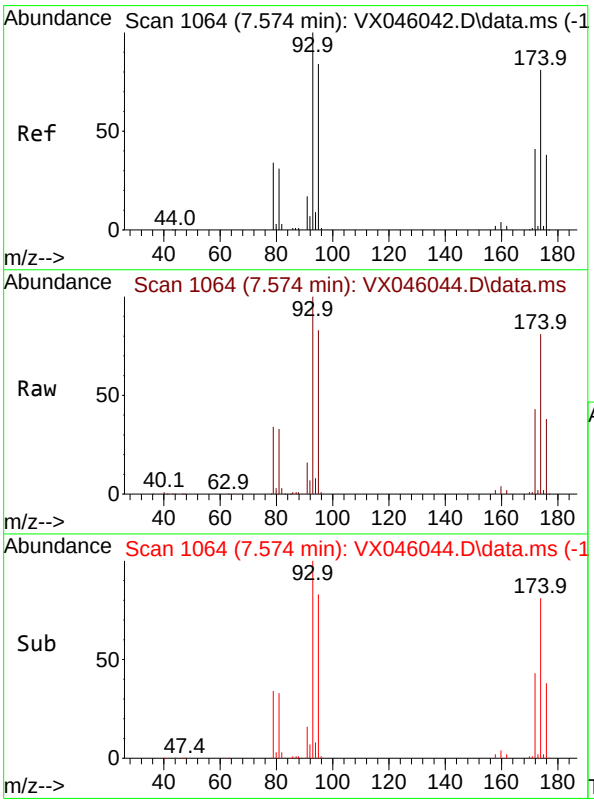
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

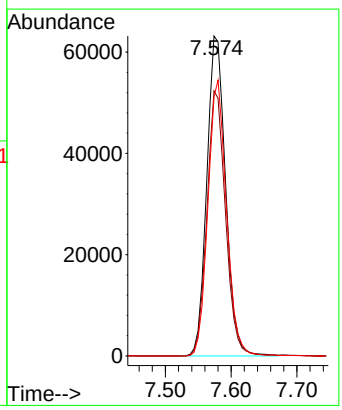


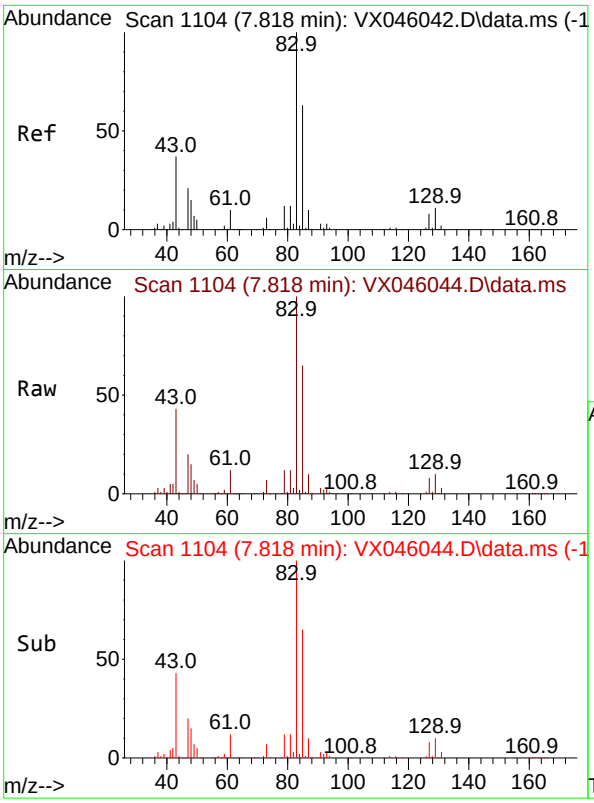


#46
Dibromomethane
Concen: 109.869 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 93 Resp: 125846

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.6	98.4
174	85.0	68.2	102.2

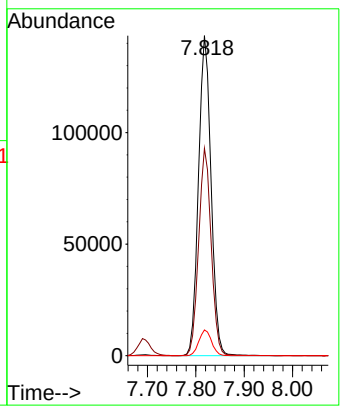




#47
Bromodichloromethane
Concen: 116.365 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 83 Resp: 25832

Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.5	75.7
127	8.0	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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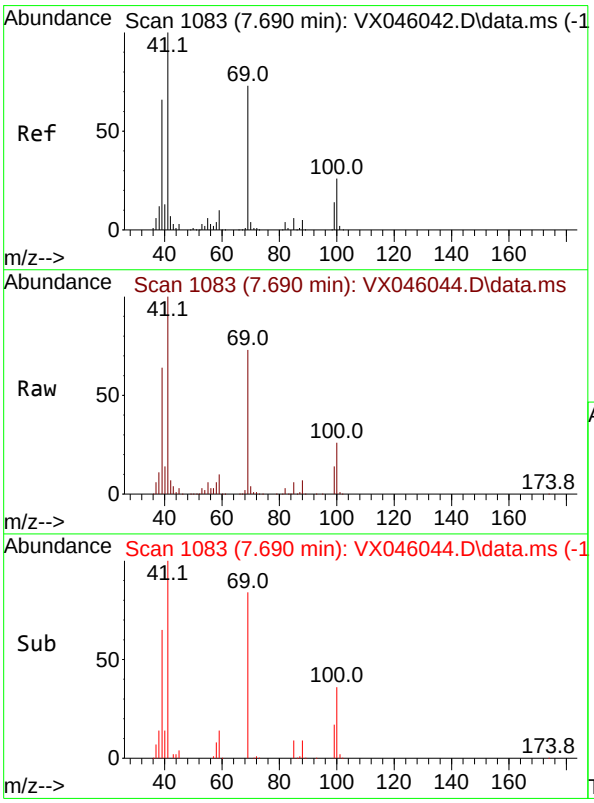
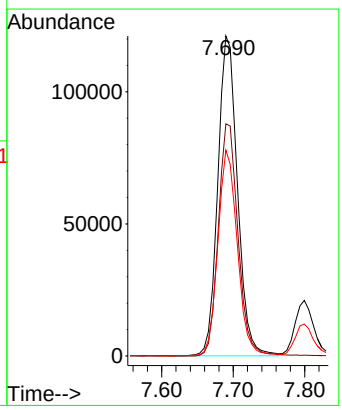
Supervised By :Mahesh Dadoda 05/06/2025

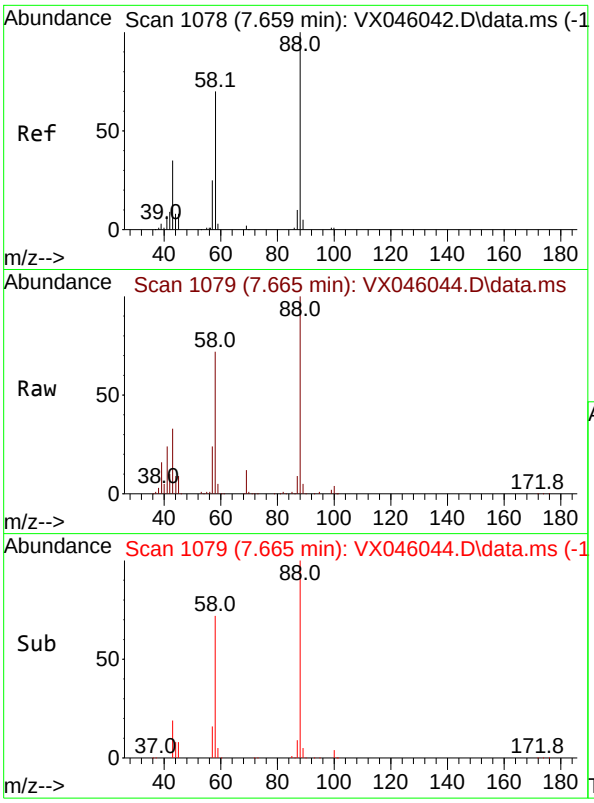


#48
Methyl methacrylate
Concen: 124.356 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 41 Resp: 231040

Ion	Ratio	Lower	Upper
41	100		
69	73.0	58.5	87.7
39	63.8	51.7	77.5

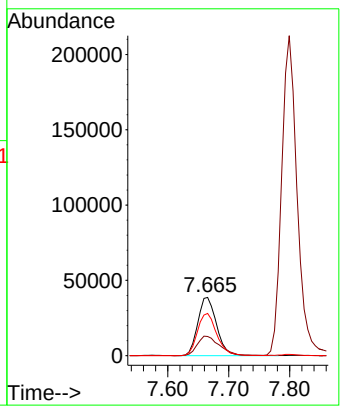




#49
1,4-Dioxane
Concen: 2241.695 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 88 Resp: 8280

Ion	Ratio	Lower	Upper
88	100		
43	40.0	33.4	50.2
58	74.8	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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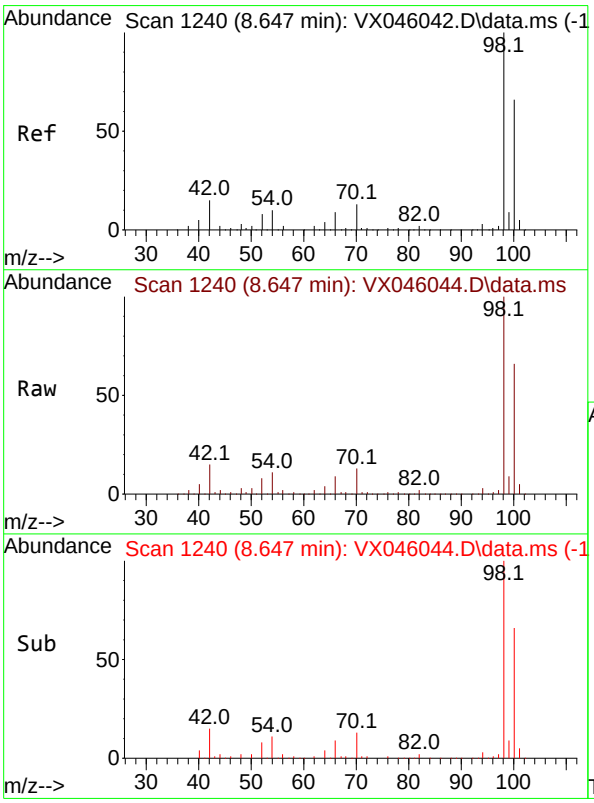
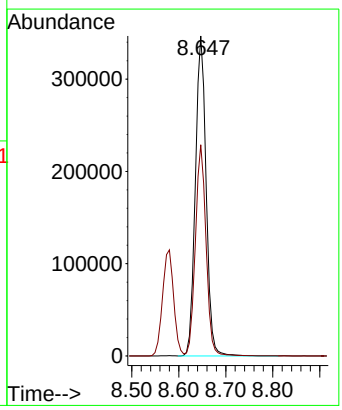
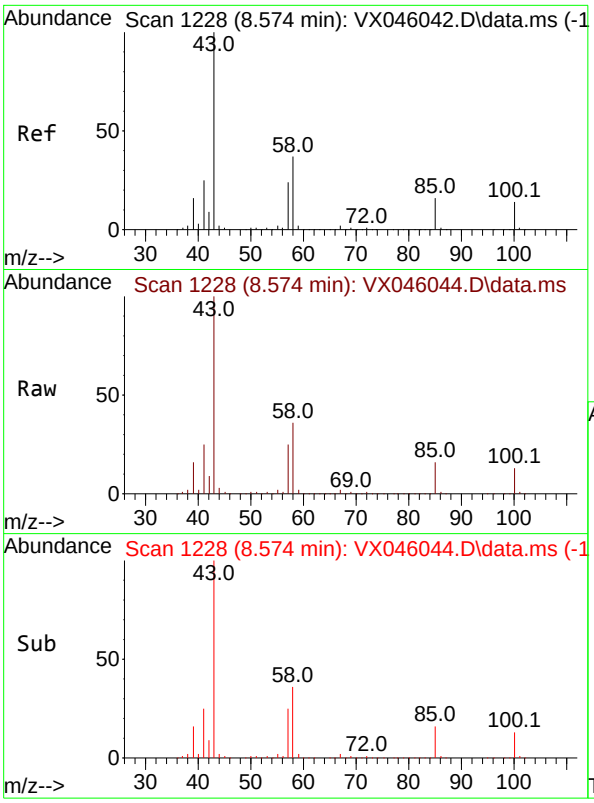


#50
Toluene-d8
Concen: 101.252 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 98 Resp: 554390

Ion	Ratio	Lower	Upper
98	100		
100	65.4	53.5	80.3





#51
4-Methyl-2-Pentanone
Concen: 577.831 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 137127

Ion	Ratio	Lower	Upper
43	100		
58	36.2	28.9	43.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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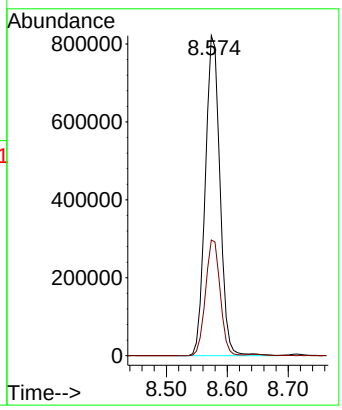
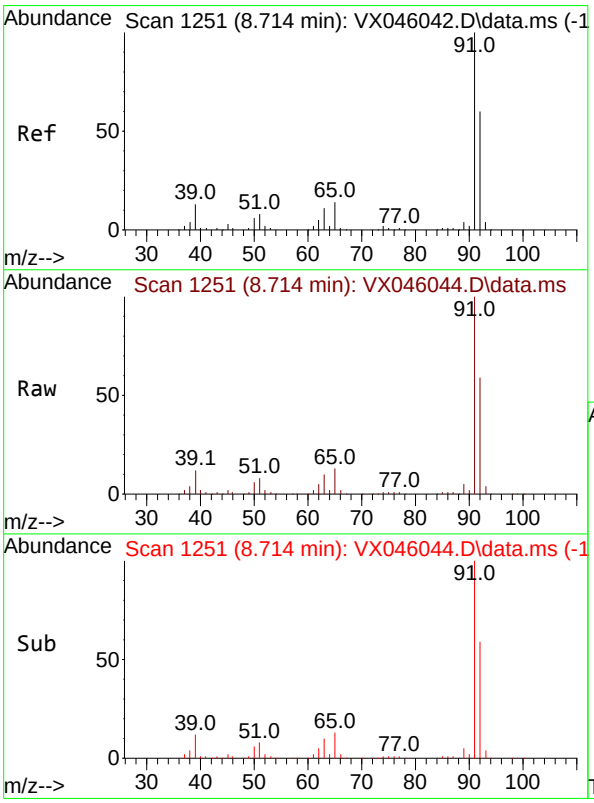
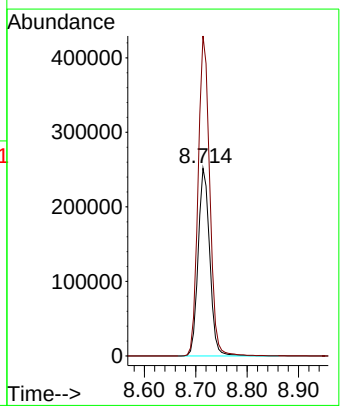


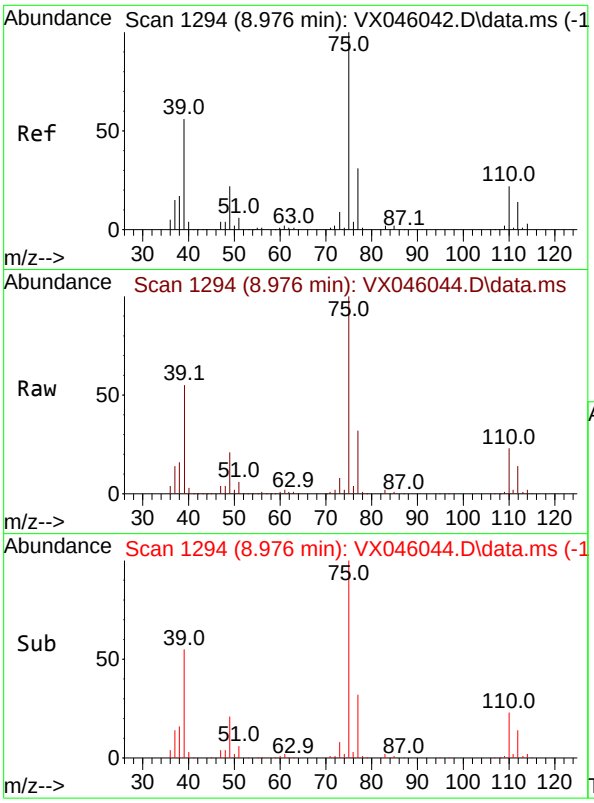


#52
Toluene
Concen: 113.430 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 92 Resp: 393323

Ion	Ratio	Lower	Upper
92	100		
91	171.0	136.6	205.0

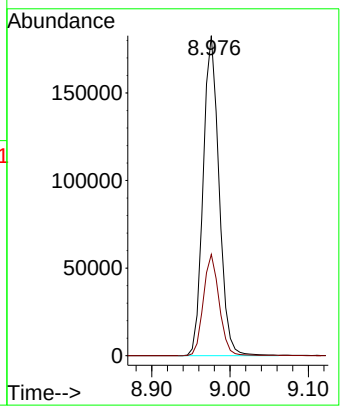




#53
t-1,3-Dichloropropene
Concen: 138.001 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 75 Resp: 25723

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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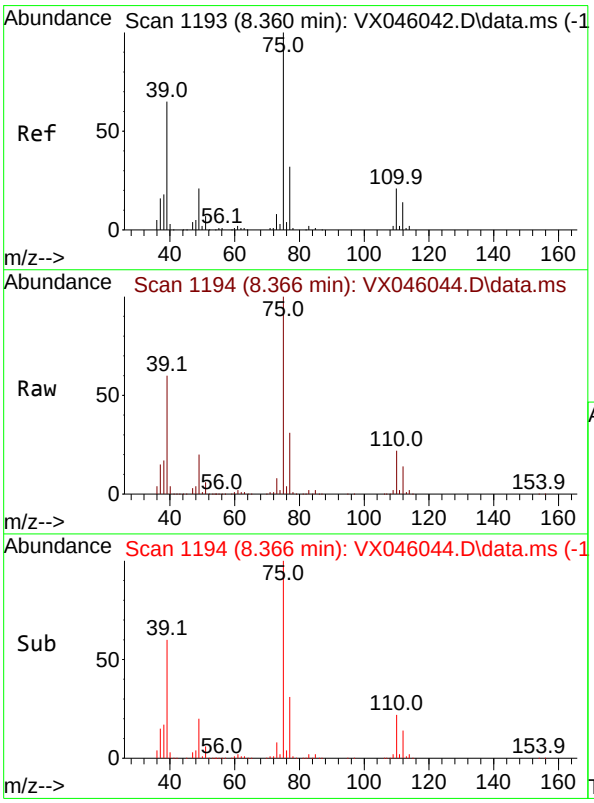
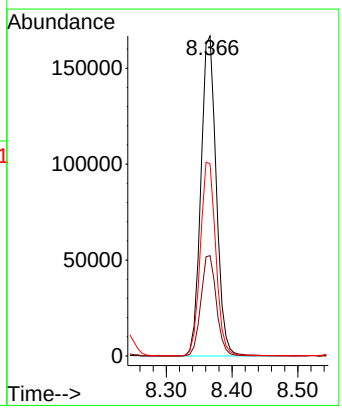
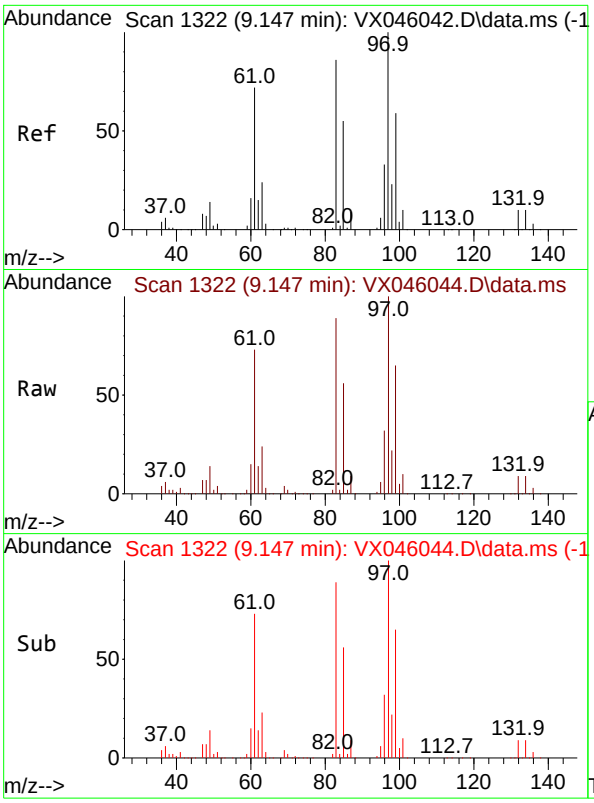


#54
cis-1,3-Dichloropropene
Concen: 124.658 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 75 Resp: 271054

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.0
39	60.0	52.2	78.4

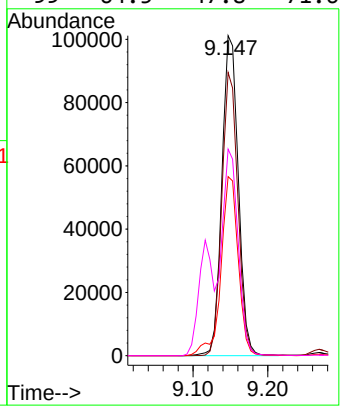




#55
1,1,2-Trichloroethane
Concen: 110.551 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 97 Resp: 15493

Ion	Ratio	Lower	Upper
97	100		
83	88.5	69.0	103.6
85	56.0	44.3	66.5
99	64.5	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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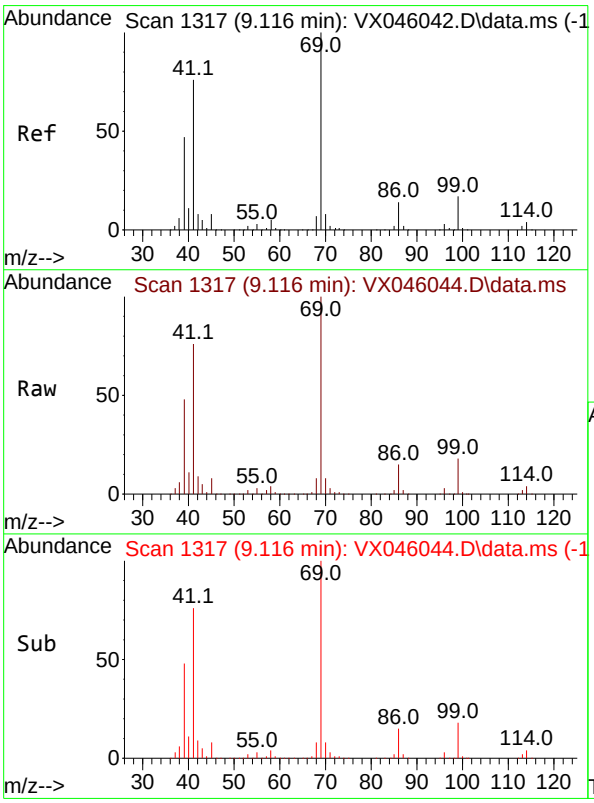
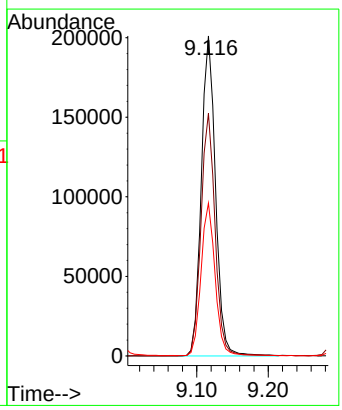
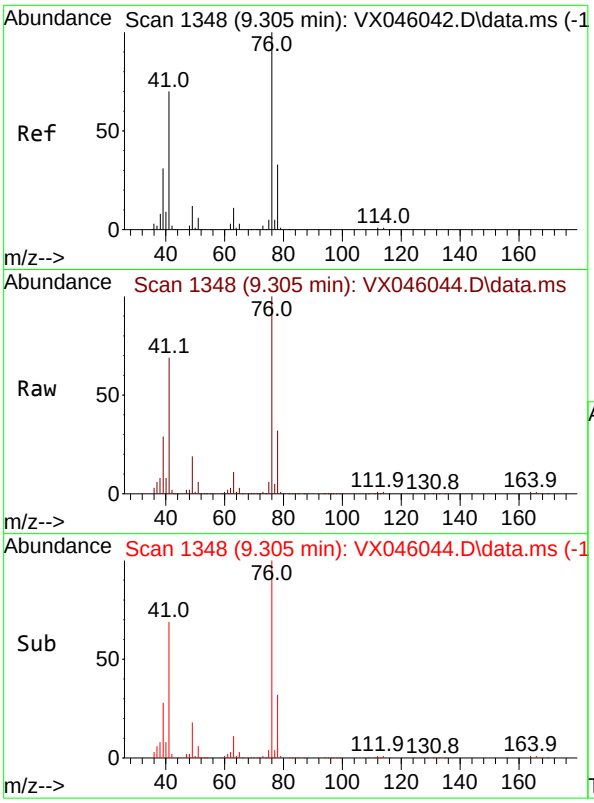


#56
Ethyl methacrylate
Concen: 127.968 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 69 Resp: 277921

Ion	Ratio	Lower	Upper
69	100		
41	75.4	60.8	91.2
39	47.2	39.0	58.6

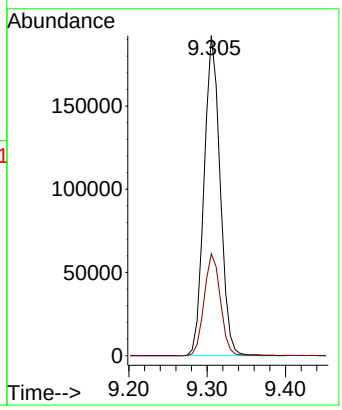




#57
1,3-Dichloropropane
Concen: 109.813 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 76 Resp: 27281

Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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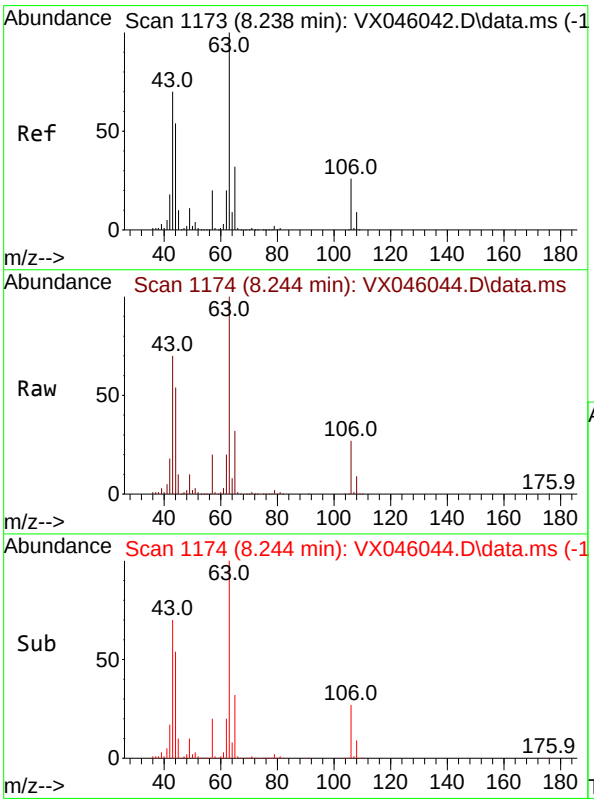
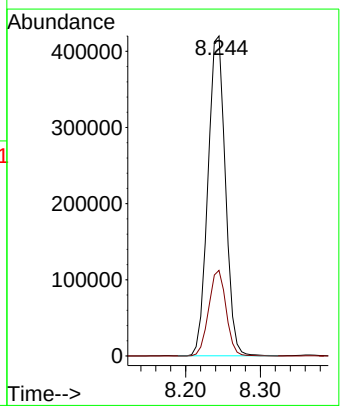
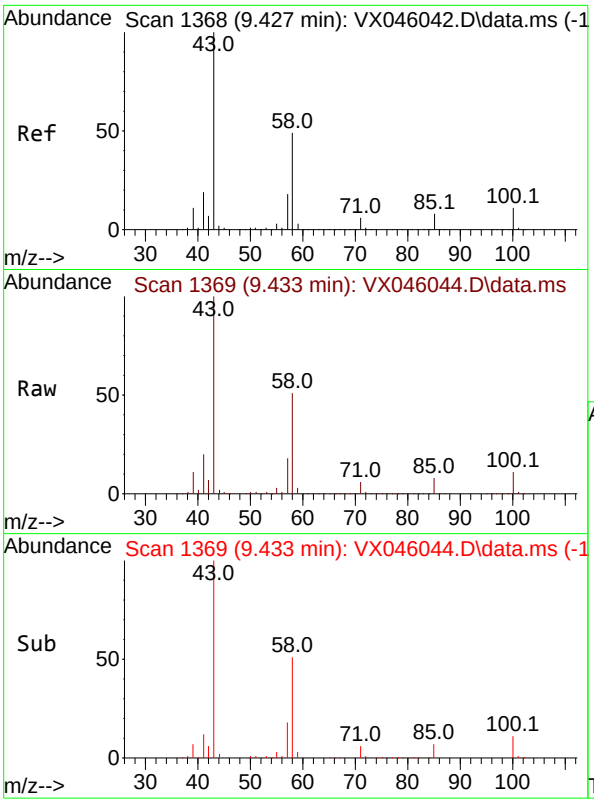


#58
2-Chloroethyl Vinyl ether
Concen: 697.344 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 63 Resp: 680608

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.5	32.3





#59
2-Hexanone
Concen: 571.094 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 102859

Ion	Ratio	Lower	Upper
43	100		
58	50.2	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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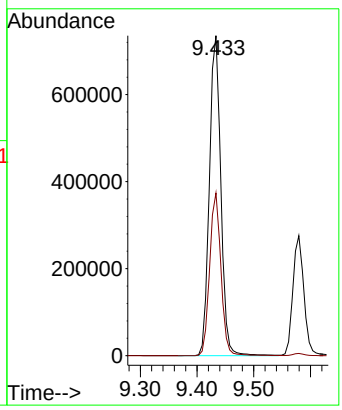
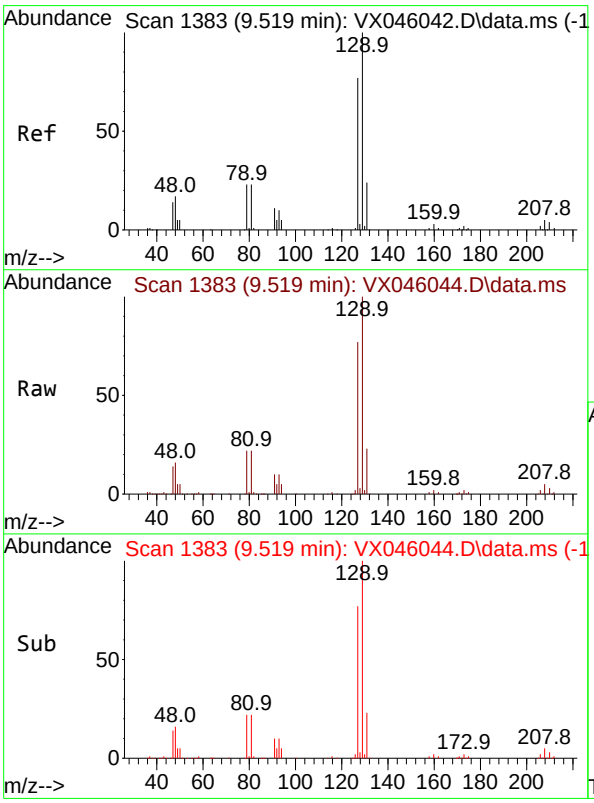
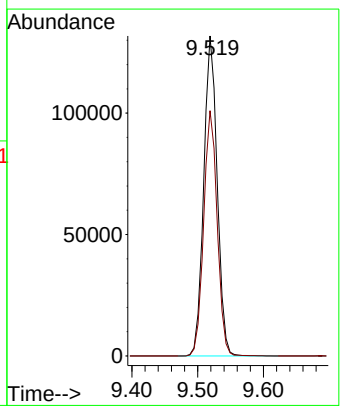


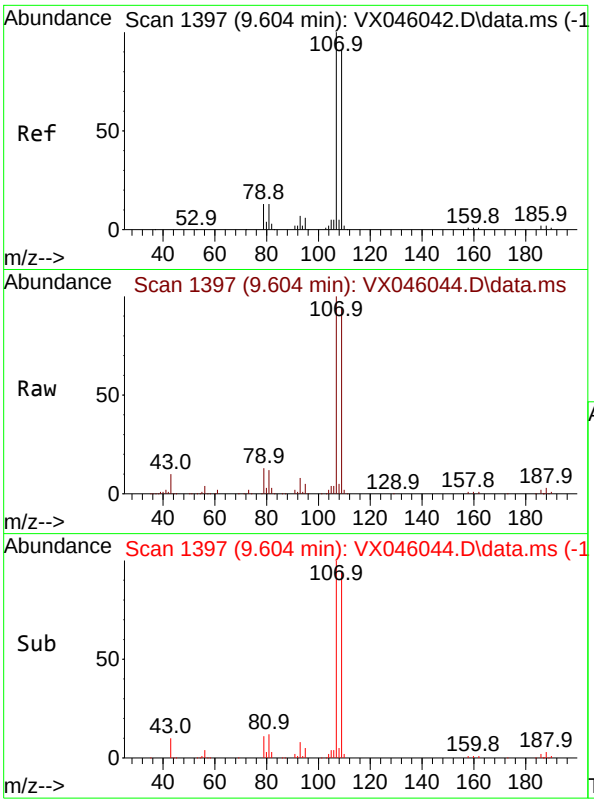


#60
Dibromochloromethane
Concen: 122.915 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:129 Resp: 187497

Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.3	117.8

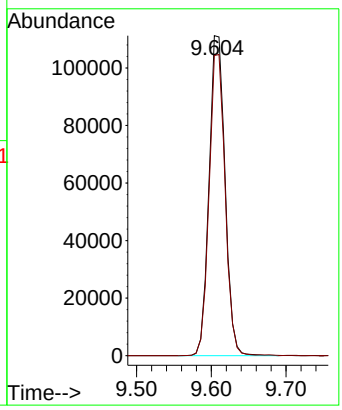




#61
1,2-Dibromoethane
Concen: 115.087 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:107 Resp: 16563

Ion	Ratio	Lower	Upper
107	100		
109	94.6	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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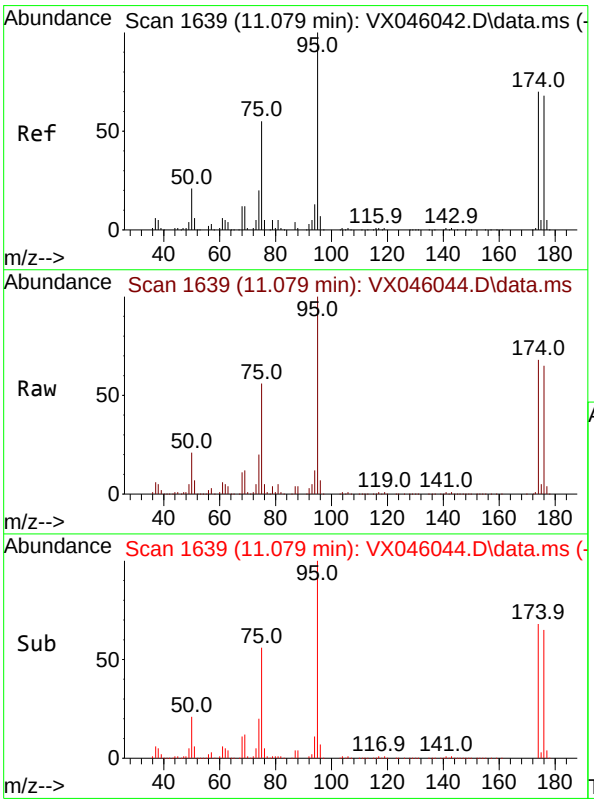
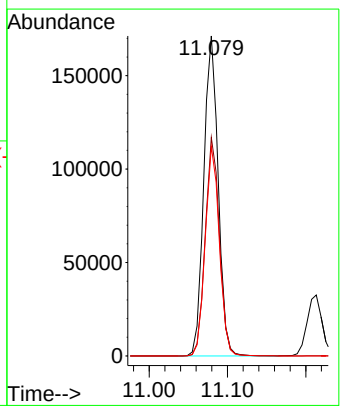
Supervised By :Mahesh Dadoda 05/06/2025

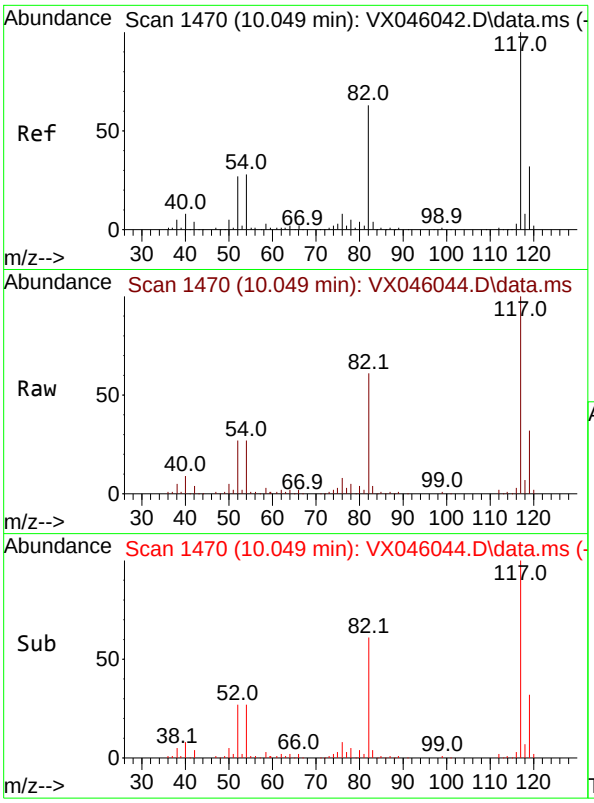


#62
4-Bromofluorobenzene
Concen: 109.174 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 95 Resp: 217536

Ion	Ratio	Lower	Upper
95	100		
174	67.5	0.0	135.8
176	64.4	0.0	131.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:117 Resp: 12855

Ion	Ratio	Lower	Upper
117	100		
82	61.4	50.6	76.0
119	31.9	25.8	38.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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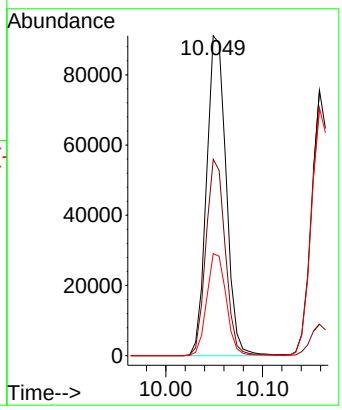
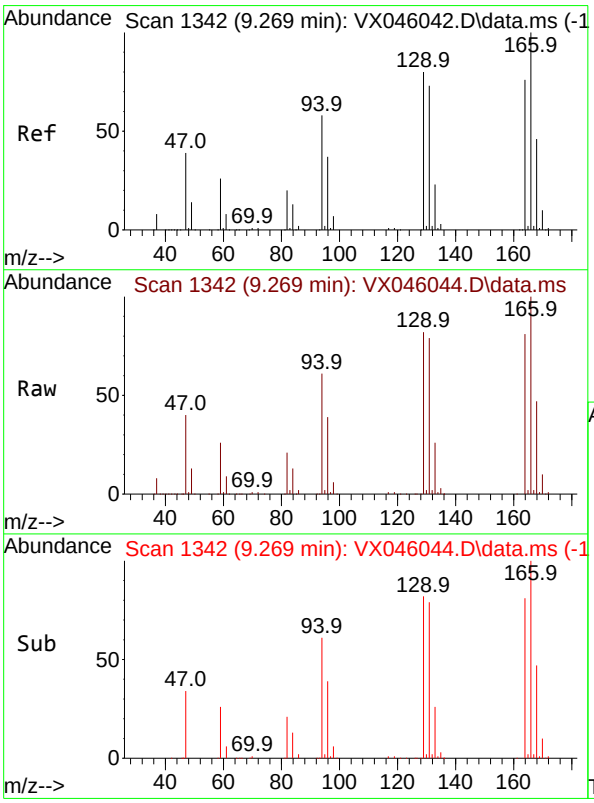
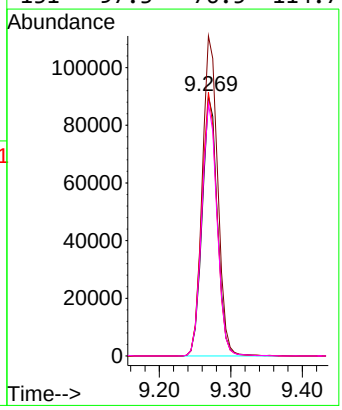


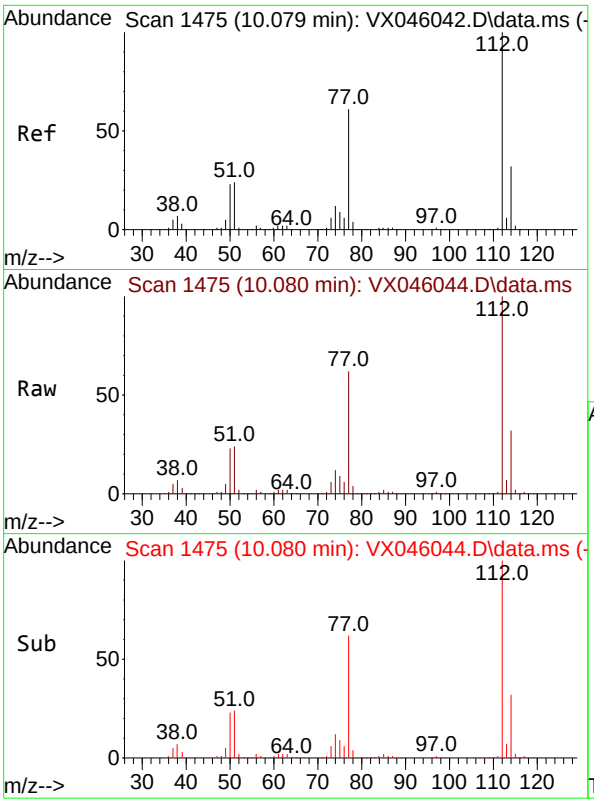


#64
Tetrachloroethene
Concen: 100.918 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:164 Resp: 132488

Ion	Ratio	Lower	Upper
164	100		
166	123.3	105.0	157.6
129	101.6	83.5	125.3
131	97.3	76.5	114.7

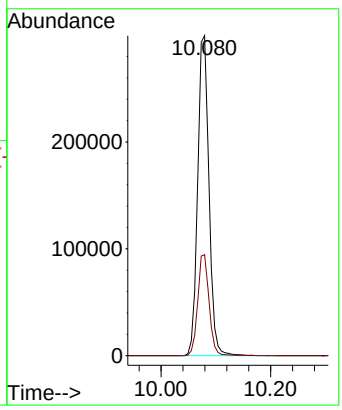




#65
Chlorobenzene
Concen: 108.615 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:112 Resp: 42965

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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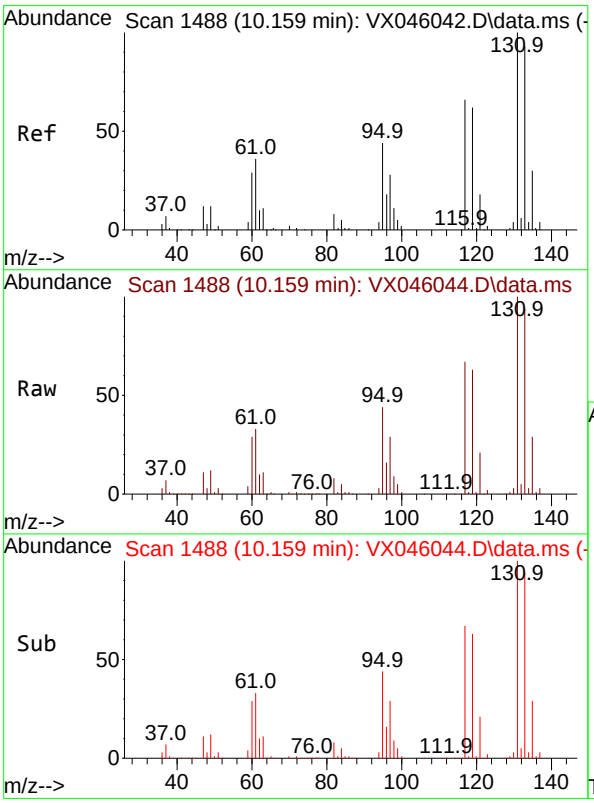
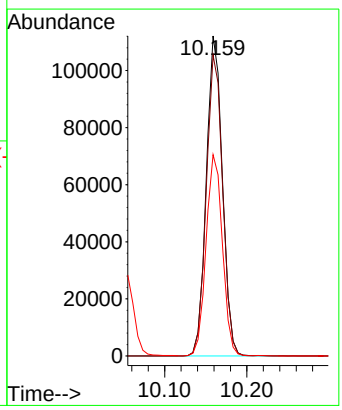
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

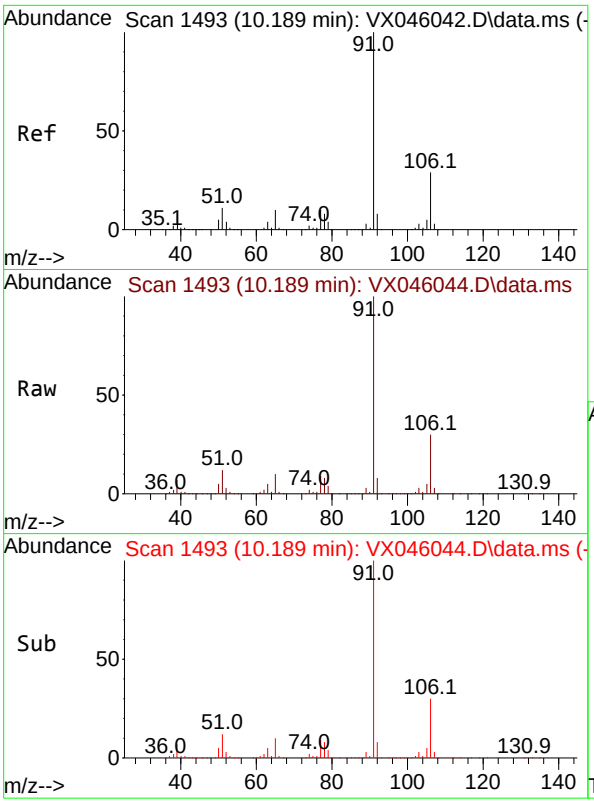


#66
1,1,1,2-Tetrachloroethane
Concen: 115.333 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:131 Resp: 152173

Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.3	141.9
119	64.0	31.6	95.0





#67
Ethyl Benzene
Concen: 116.421 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 91 Resp: 78512

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.4	35.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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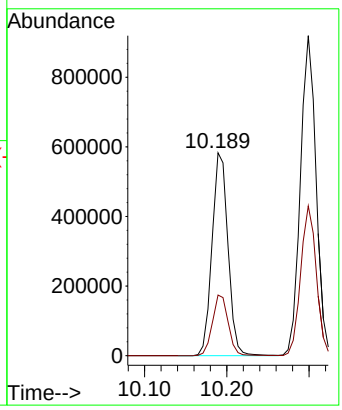
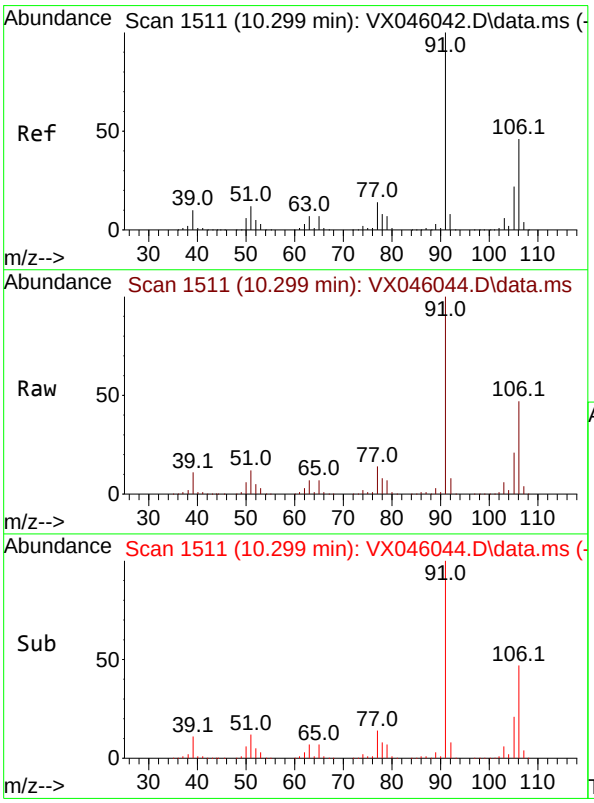
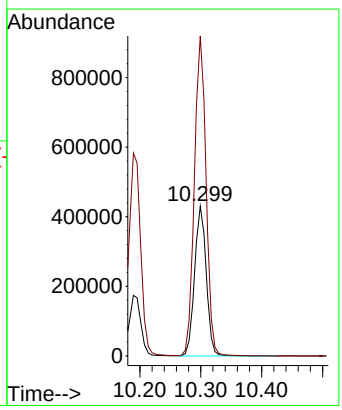


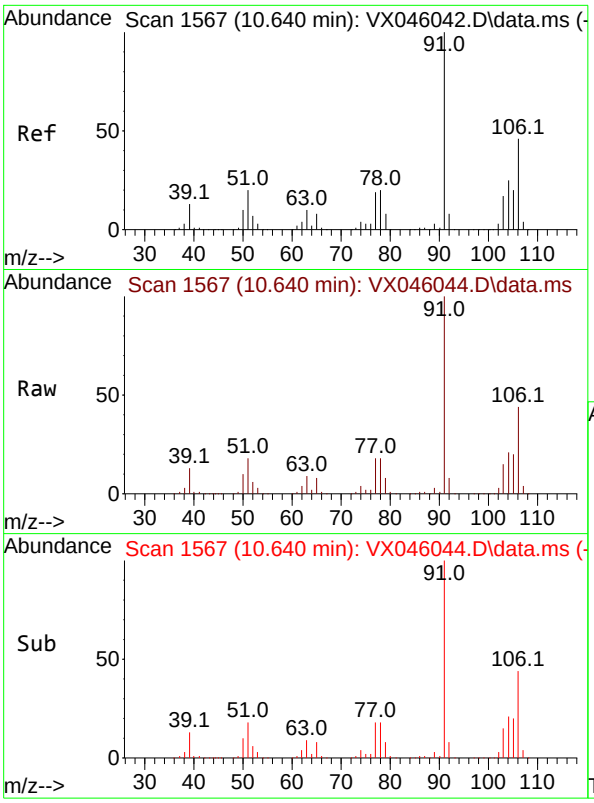


#68
m/p-Xylenes
Concen: 234.349 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:106 Resp: 570913

Ion	Ratio	Lower	Upper
106	100		
91	214.2	171.2	256.8





#69
o-Xylene
Concen: 113.990 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:106 Resp: 27990

Ion	Ratio	Lower	Upper
106	100		
91	226.9	112.7	338.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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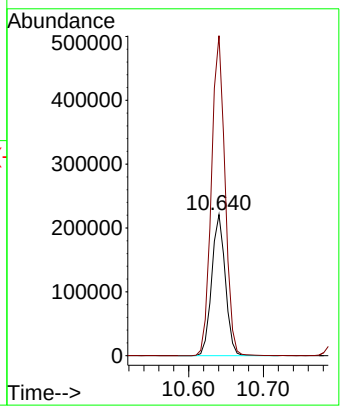
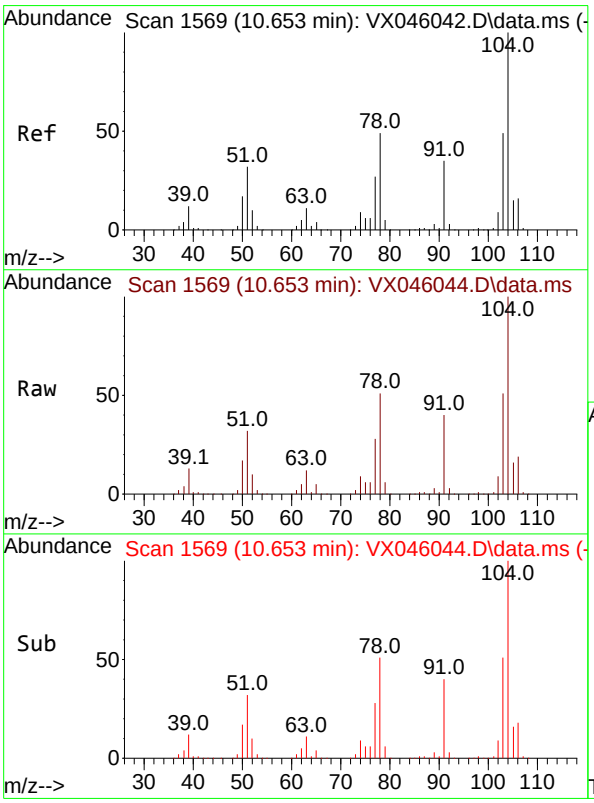
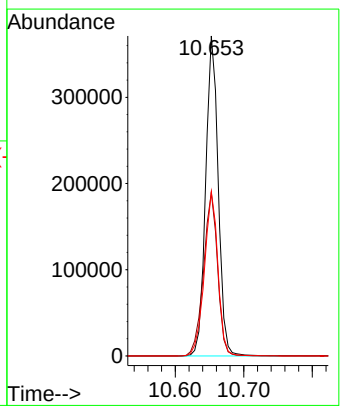


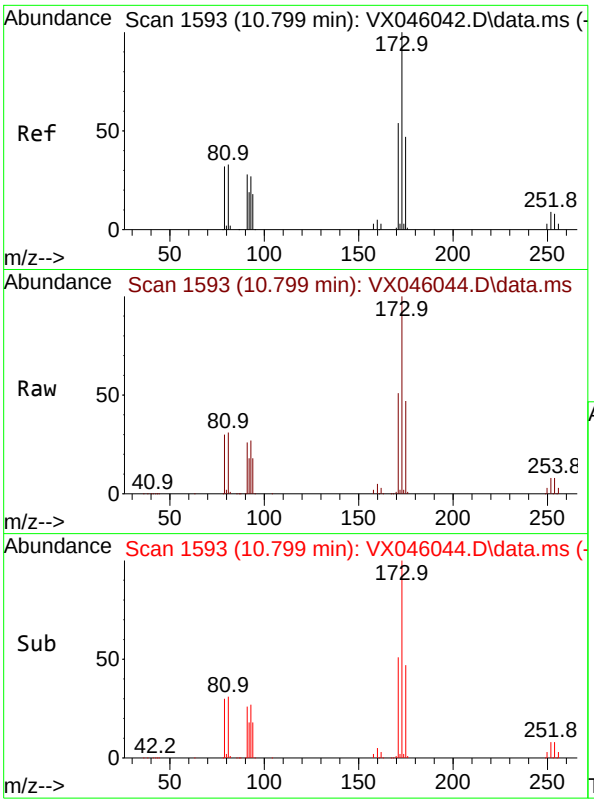


#70
Styrene
Concen: 120.694 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:104 Resp: 474254

Ion	Ratio	Lower	Upper
104	100		
78	57.2	45.7	68.5
103	55.5	43.7	65.5

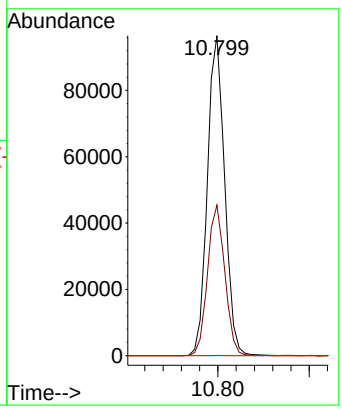




#71
Bromoform
Concen: 127.128 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:173 Resp: 12598

Ion	Ratio	Lower	Upper
173	100		
175	47.3	23.4	70.0
254	0.1	0.0	0.0#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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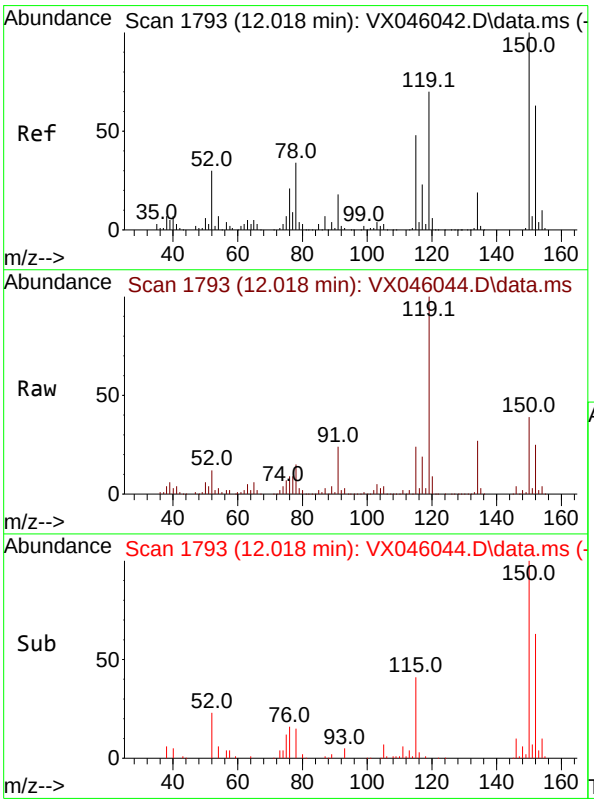
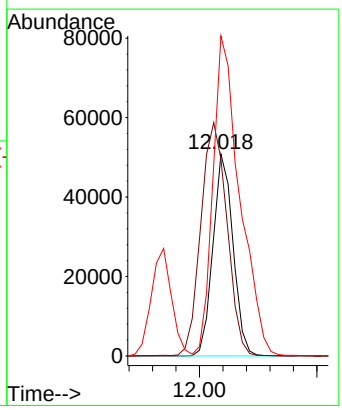
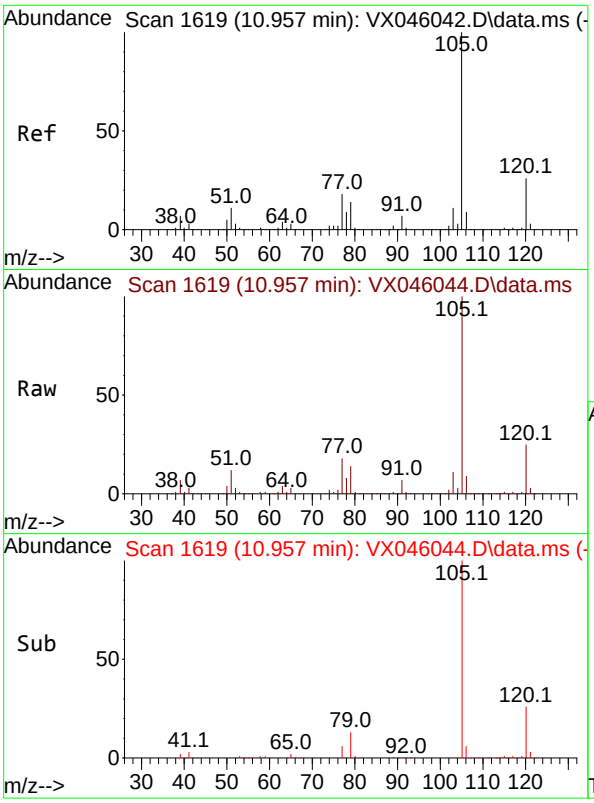


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:152 Resp: 60345

Ion	Ratio	Lower	Upper
152	100		
115	150.7	46.9	140.7#
150	211.6	0.0	351.0





#73
Isopropylbenzene
Concen: 114.312 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:105 Resp: 75233

Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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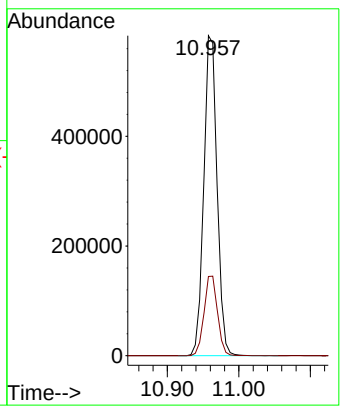
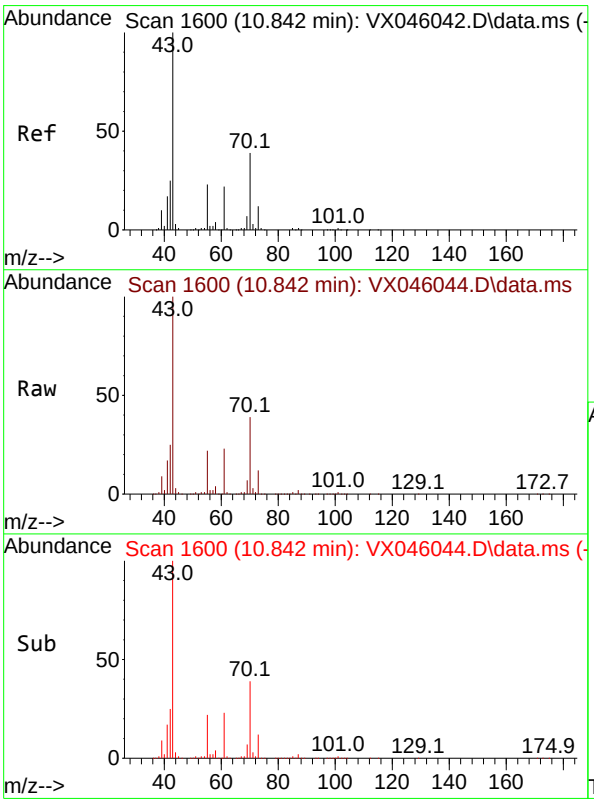
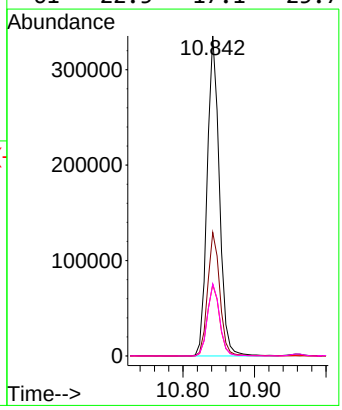


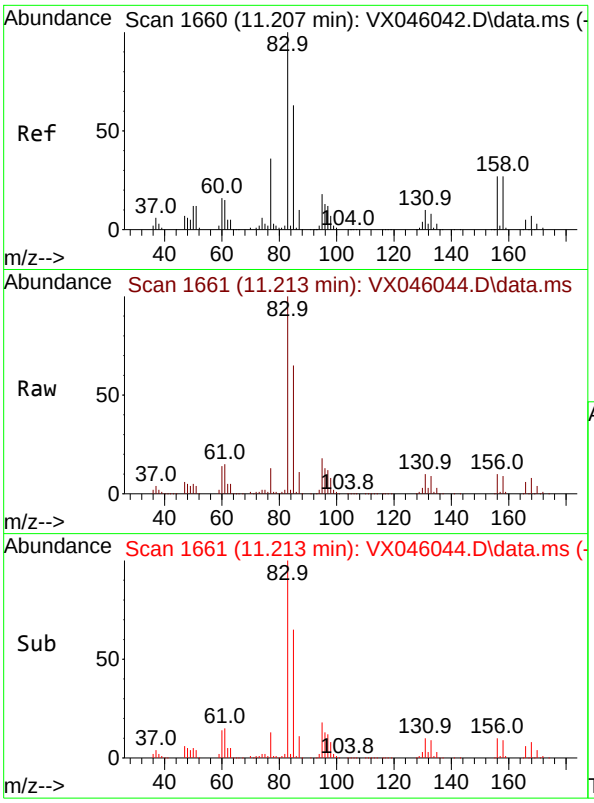


#74
N-amyl acetate
Concen: 120.944 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 396877

Ion	Ratio	Lower	Upper
43	100		
70	38.5	30.9	46.3
55	22.5	18.7	28.1
61	22.5	17.1	25.7





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

Tgt Ion: 83 Resp: 24353

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	64.4	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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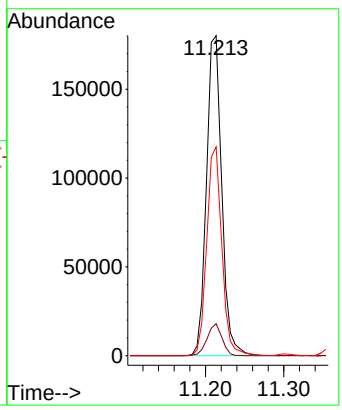
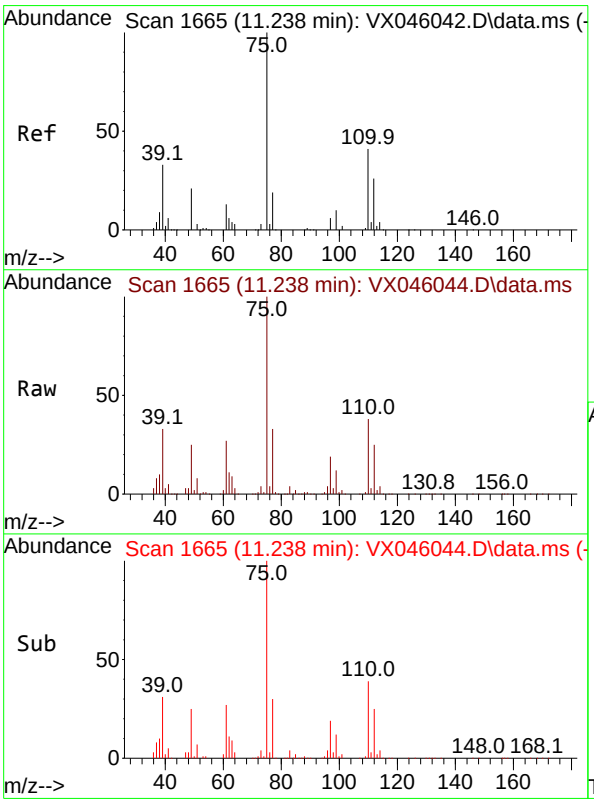
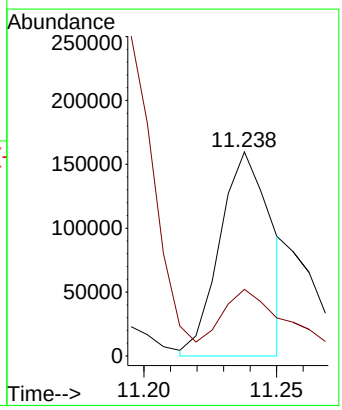


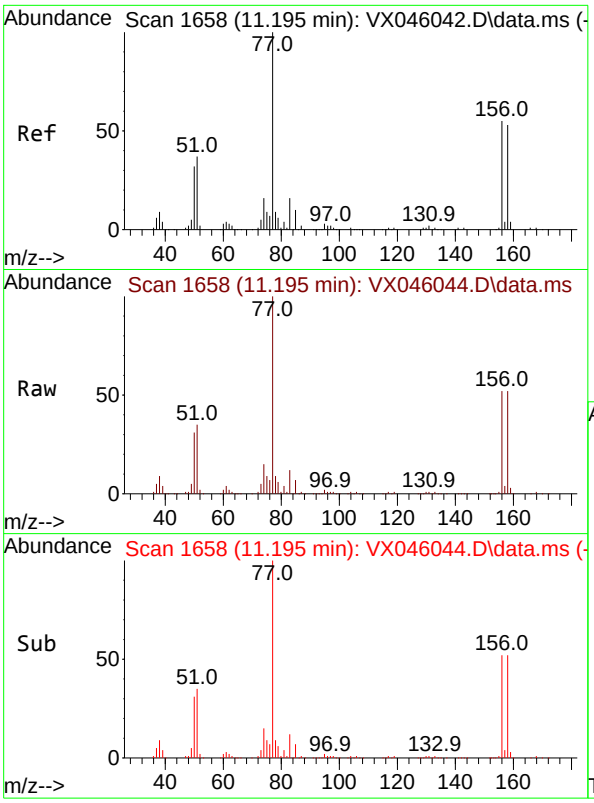


#76
1,2,3-Trichloropropane
Concen: 84.960 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 75 Resp: 213744

Ion	Ratio	Lower	Upper
75	100		
77	42.4	20.5	61.5





#77
Bromobenzene
Concen: 110.297 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

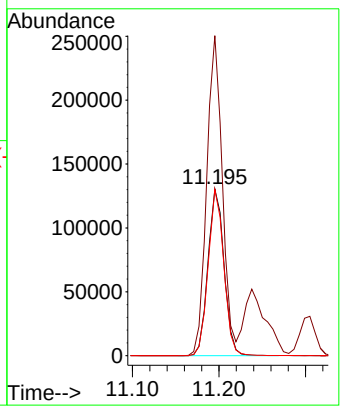
Tgt Ion:156 Resp: 16793

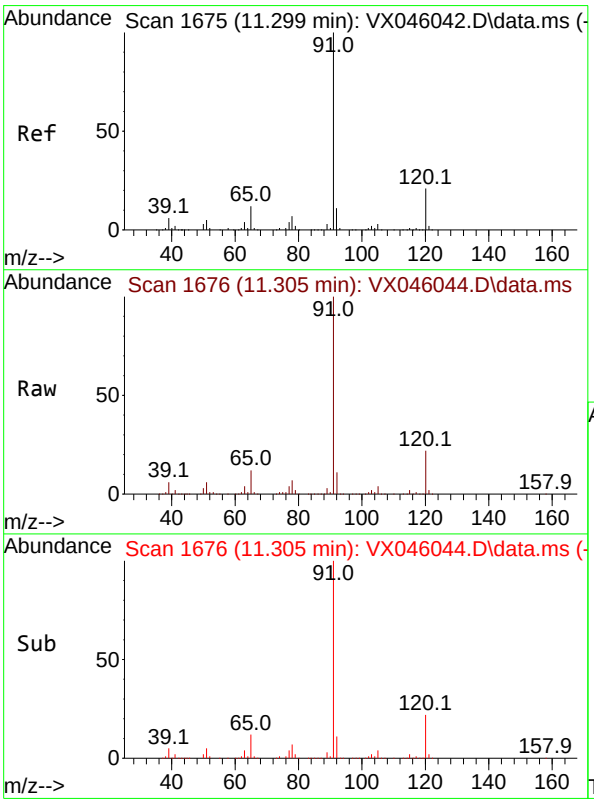
Ion	Ratio	Lower	Upper
156	100		
77	187.1	92.8	278.3
158	97.3	48.8	146.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

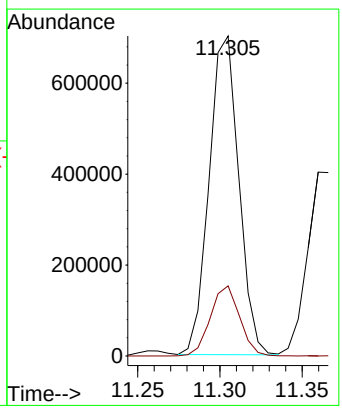


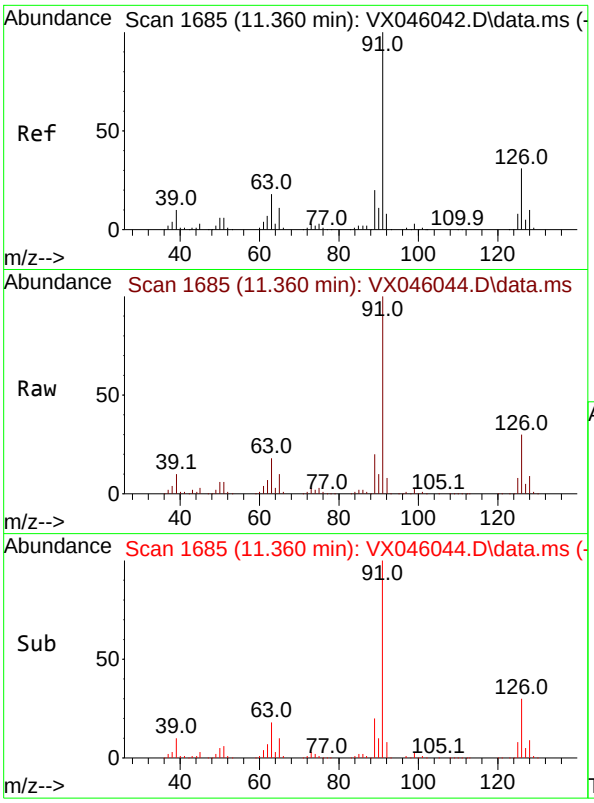


#78
n-propylbenzene
Concen: 119.448 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 91 Resp: 881218

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.4





#79
2-Chlorotoluene
Concen: 107.514 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 91 Resp: 53456

Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.6	46.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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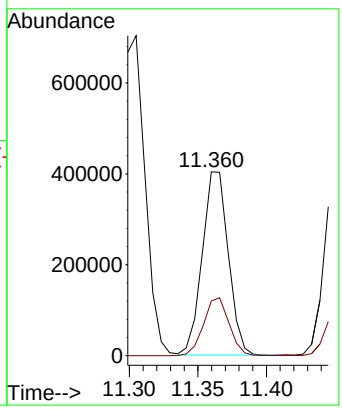
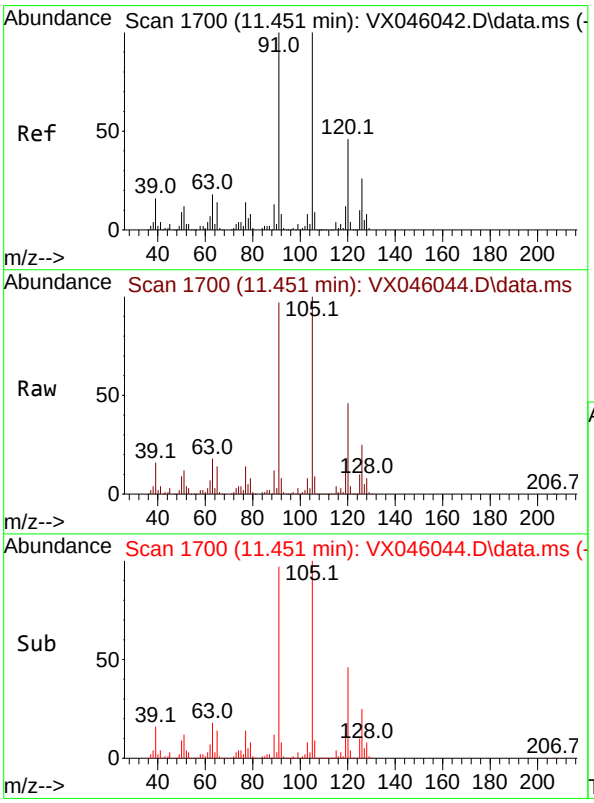
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

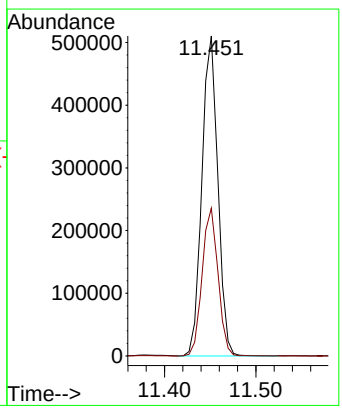


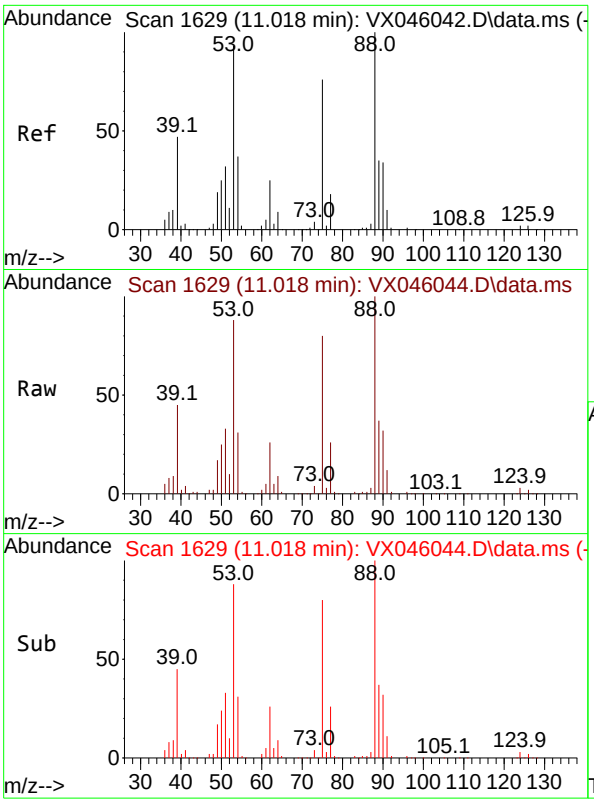


#80
1,3,5-Trimethylbenzene
Concen: 112.825 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:105 Resp: 616477

Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.1	69.2





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

Tgt Ion: 75 Resp: 8137

Ion	Ratio	Lower	Upper
75	100		
53	114.9	100.5	150.7
89	46.5	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
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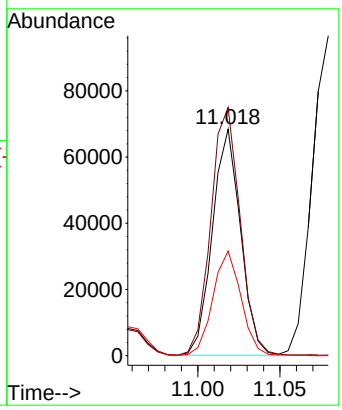
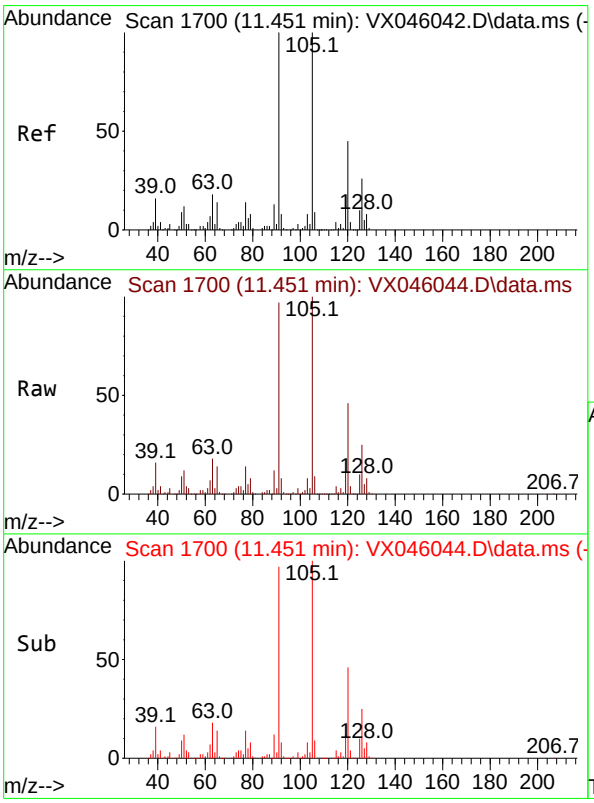
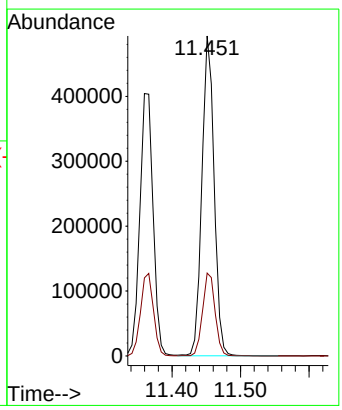


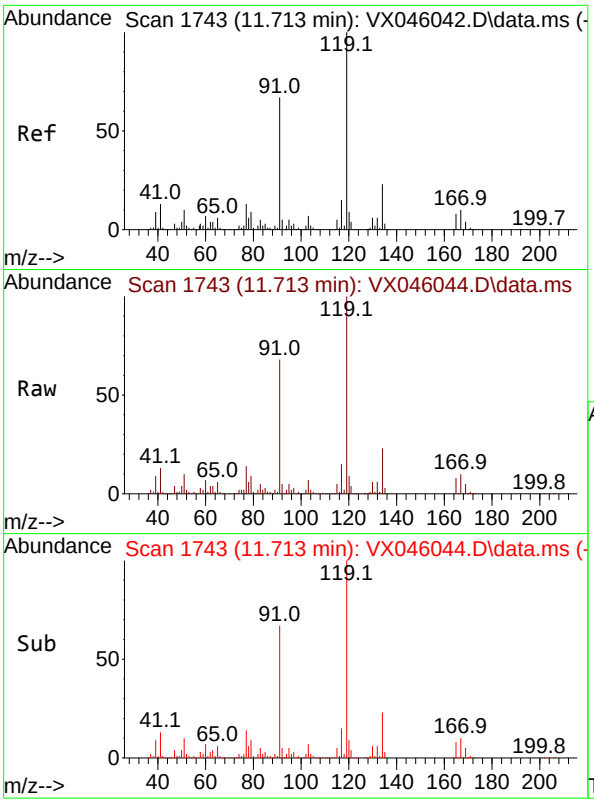


#82
4-Chlorotoluene
Concen: 111.948 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 91 Resp: 611736

Ion	Ratio	Lower	Upper
91	100		
126	26.7	13.3	39.8

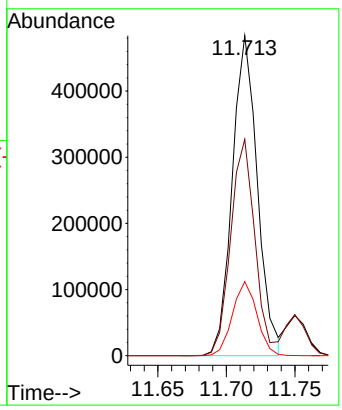




#83
tert-Butylbenzene
Concen: 115.065 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:119 Resp: 61747

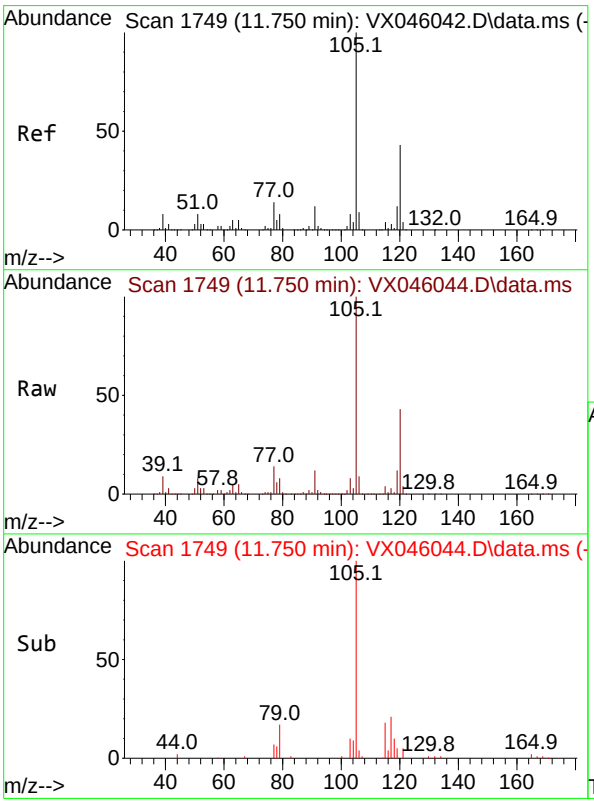
Ion	Ratio	Lower	Upper
119	100		
91	65.6	32.9	98.7
134	22.6	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

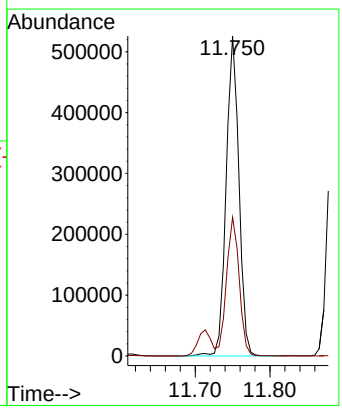
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

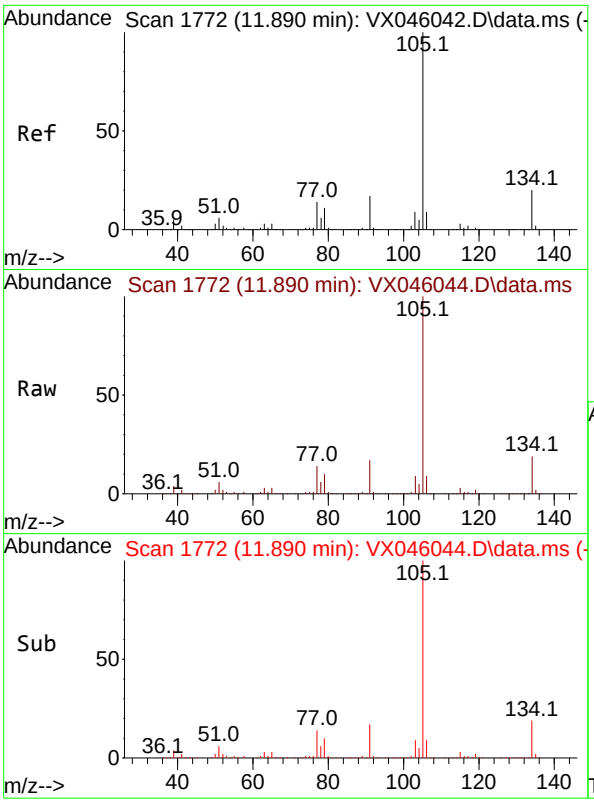


#84
1,2,4-Trimethylbenzene
Concen: 114.236 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:105 Resp: 623456

Ion	Ratio	Lower	Upper
105	100		
120	43.1	21.2	63.6

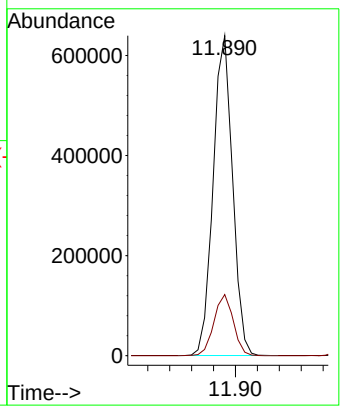




#85
sec-Butylbenzene
Concen: 118.023 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:105 Resp: 78629

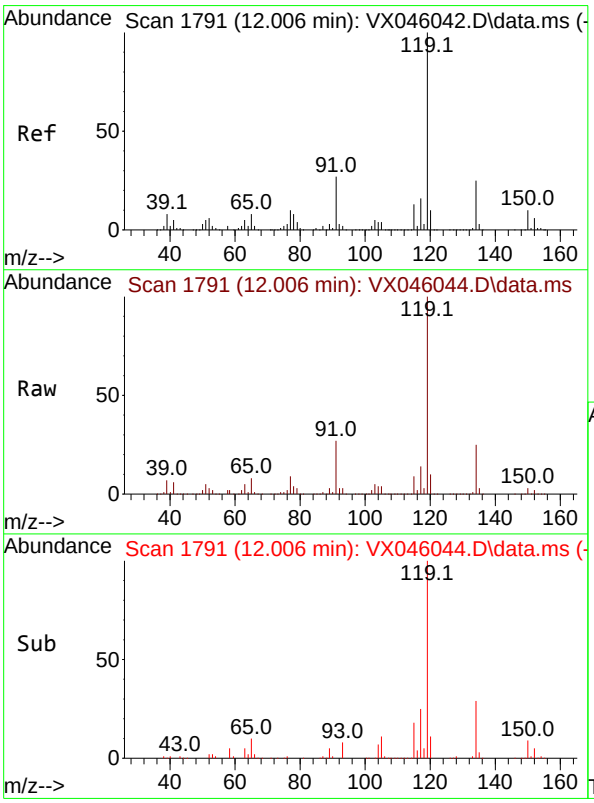
Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

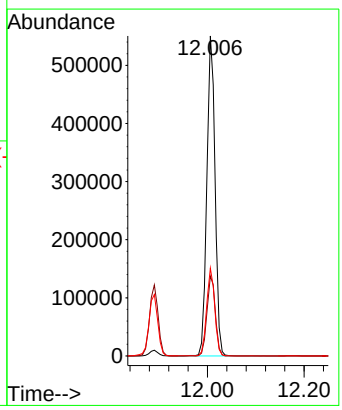
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

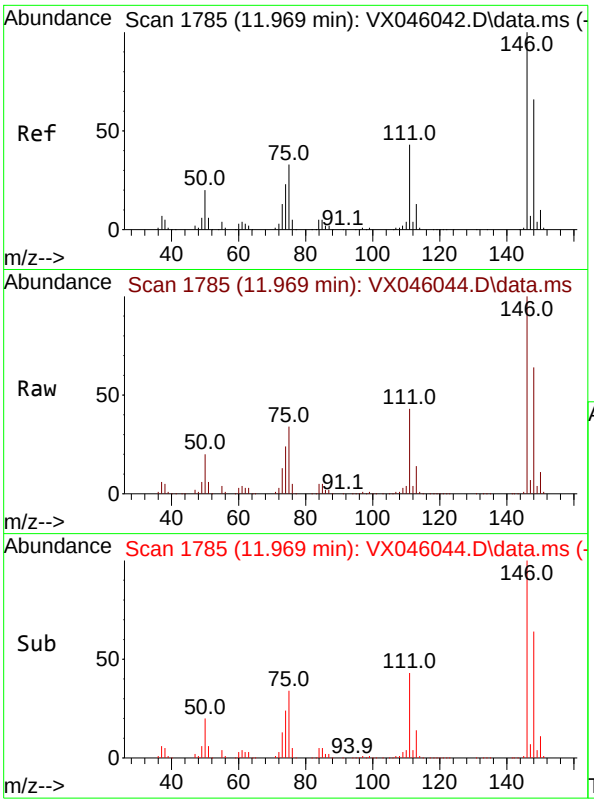


#86
p-Isopropyltoluene
Concen: 121.113 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:119 Resp: 651531

Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.5	37.5
91	27.0	13.8	41.4





#87
1,3-Dichlorobenzene
Concen: 110.394 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

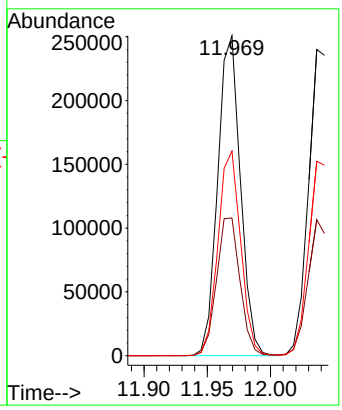
Tgt Ion:146 Resp: 31310

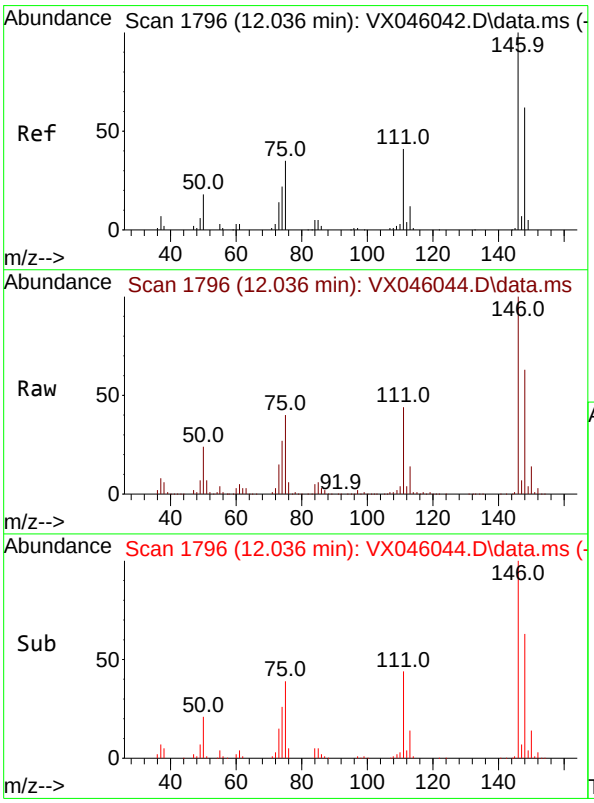
Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.1	66.3
148	64.0	32.1	96.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

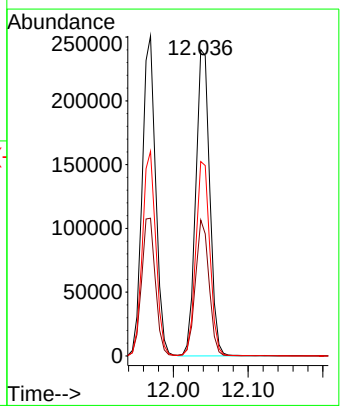


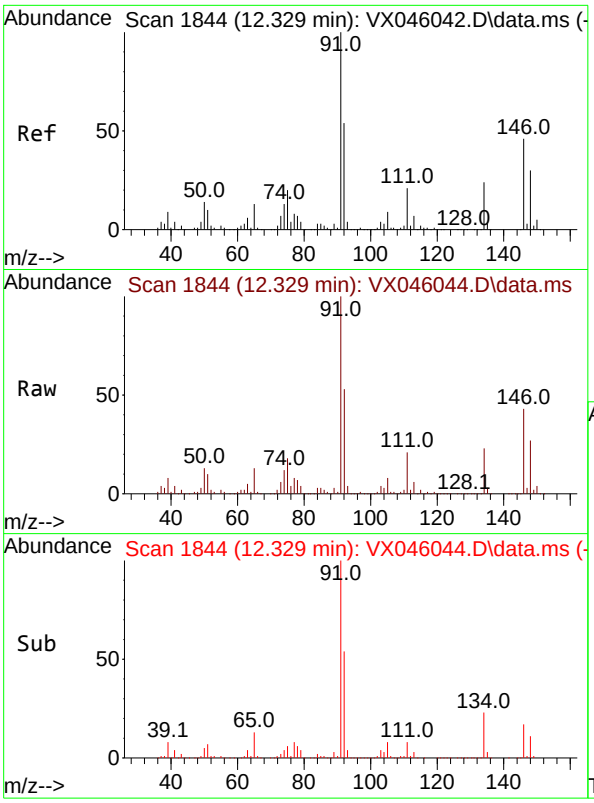


#88
1,4-Dichlorobenzene
Concen: 112.167 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:146 Resp: 311752

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.3	63.9
148	63.9	31.9	95.5

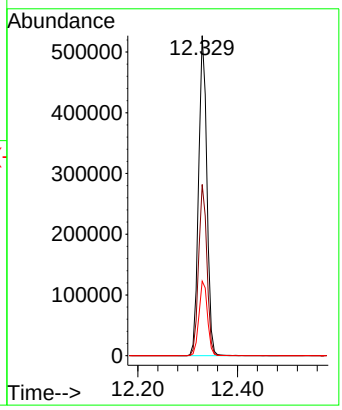




#89
n-Butylbenzene
Concen: 129.533 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 91 Resp: 60578

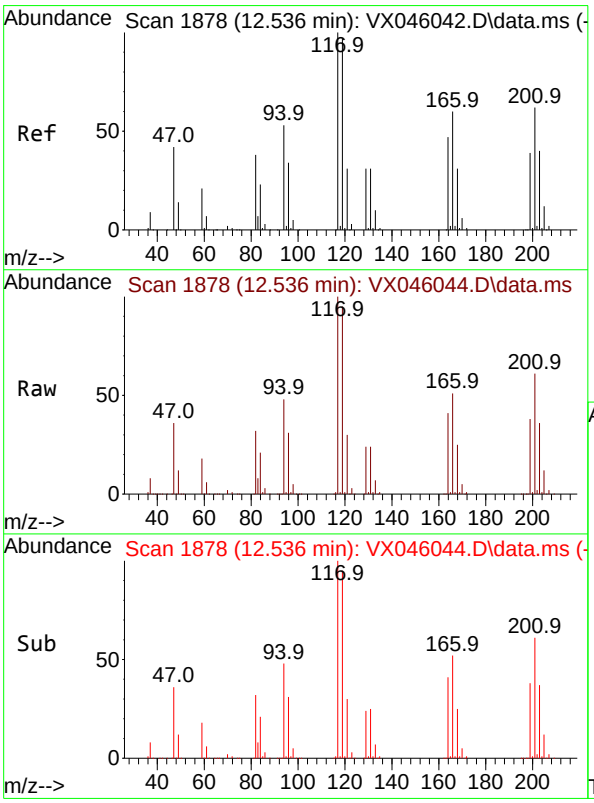
Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.9	80.7
134	24.0	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

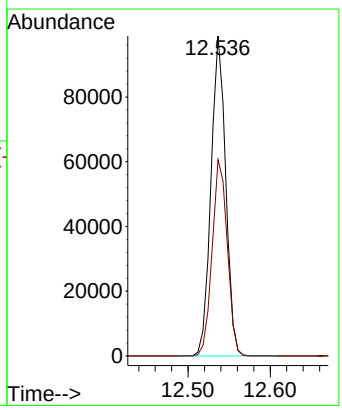
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

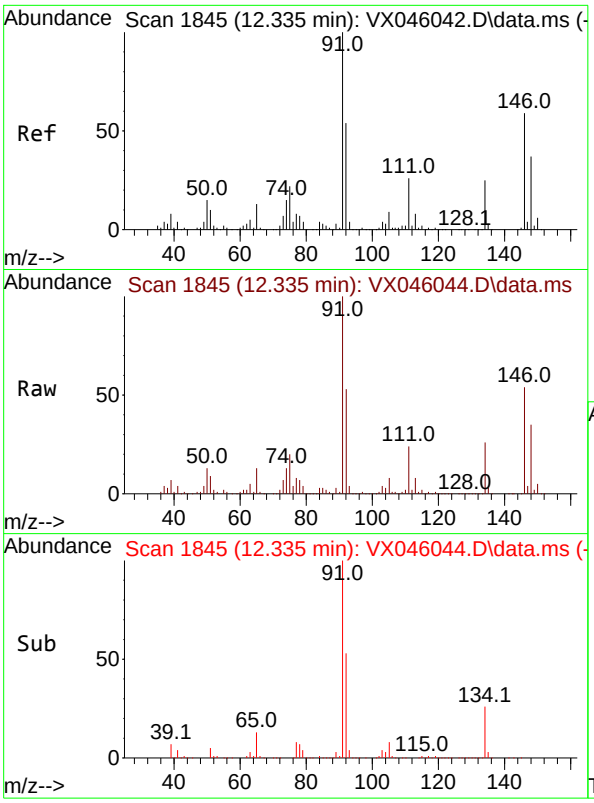


#90
Hexachloroethane
Concen: 123.091 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:117 Resp: 123188

Ion	Ratio	Lower	Upper
117	100		
201	63.2	31.6	94.7

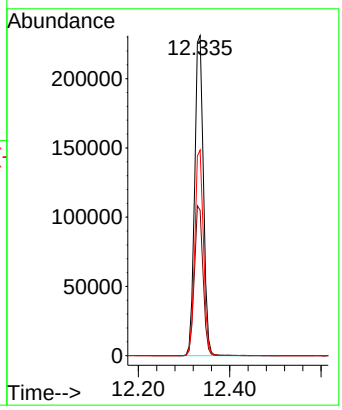




#91
1,2-Dichlorobenzene
Concen: 111.506 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:146 Resp: 30803

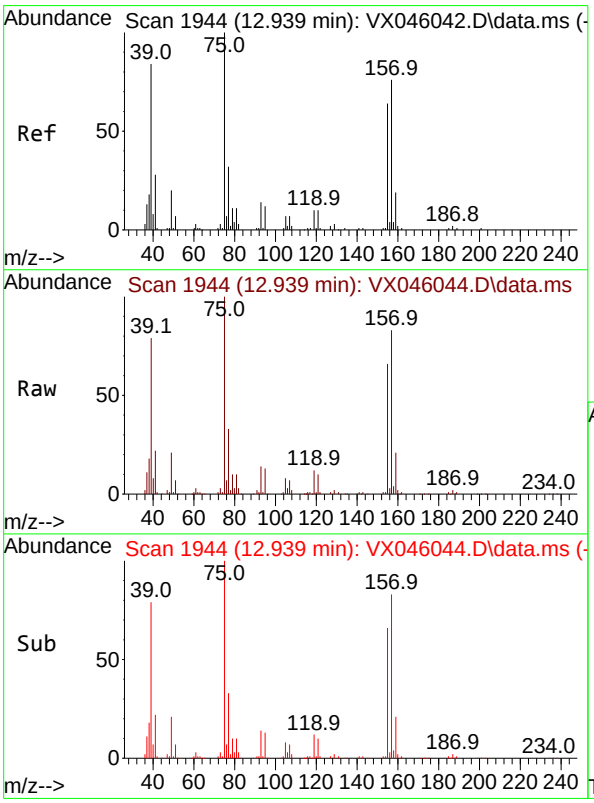
Ion	Ratio	Lower	Upper
146	100		
111	46.3	22.4	67.3
148	63.6	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

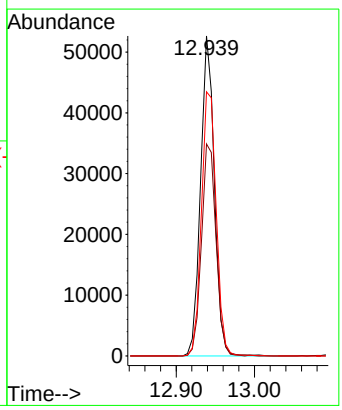
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

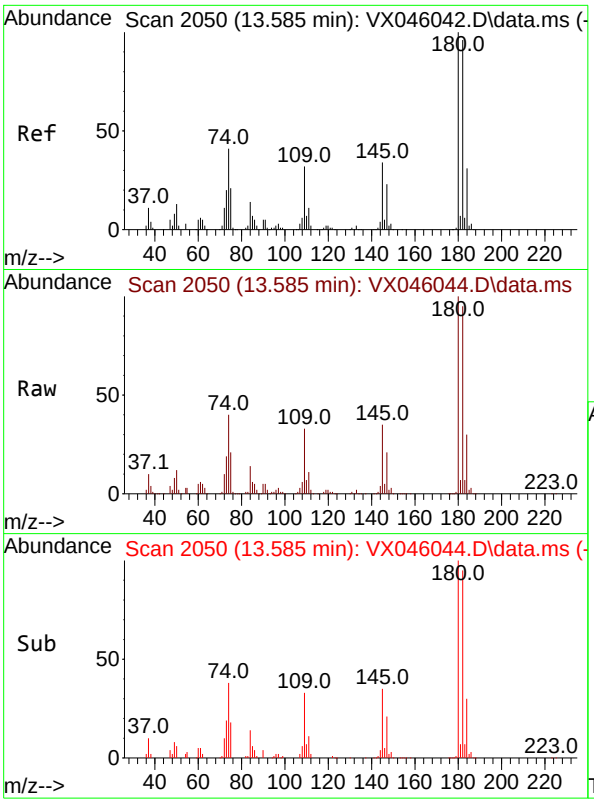


#92
1,2-Dibromo-3-Chloropropane
Concen: 120.915 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 75 Resp: 64438

Ion	Ratio	Lower	Upper
75	100		
155	69.6	34.9	104.8
157	88.4	43.8	131.4

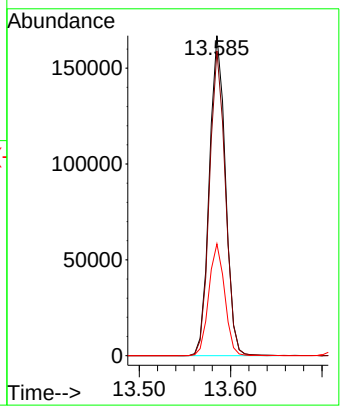




#93
1,2,4-Trichlorobenzene
Concen: 134.366 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:180 Resp: 20325

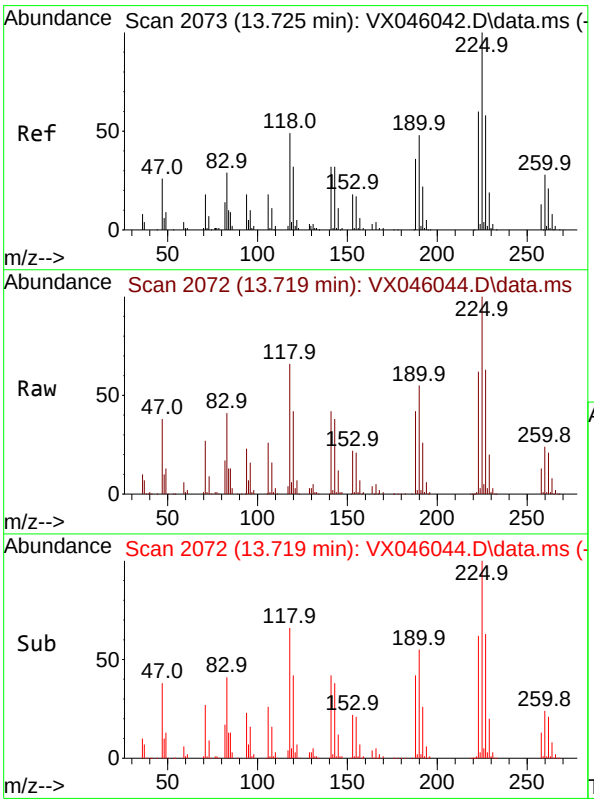
Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.9	143.8
145	34.5	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

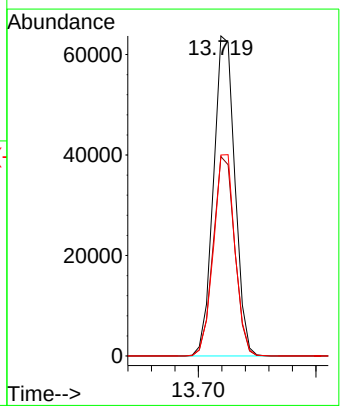
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

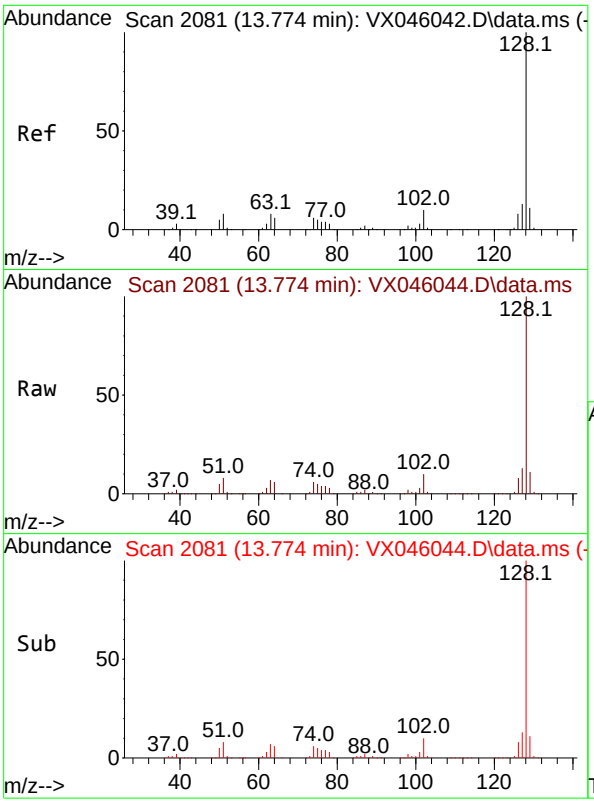


#94
Hexachlorobutadiene
Concen: 113.857 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:225 Resp: 80558

Ion	Ratio	Lower	Upper
225	100		
223	62.5	30.8	92.4
227	63.1	30.9	92.7

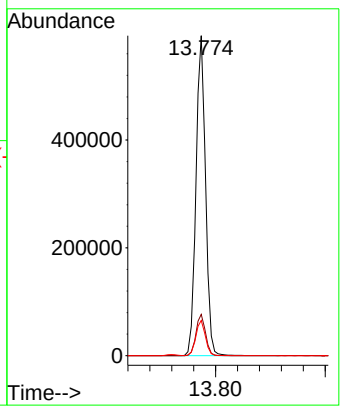




#95
Naphthalene
Concen: 130.929 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:128 Resp: 72123

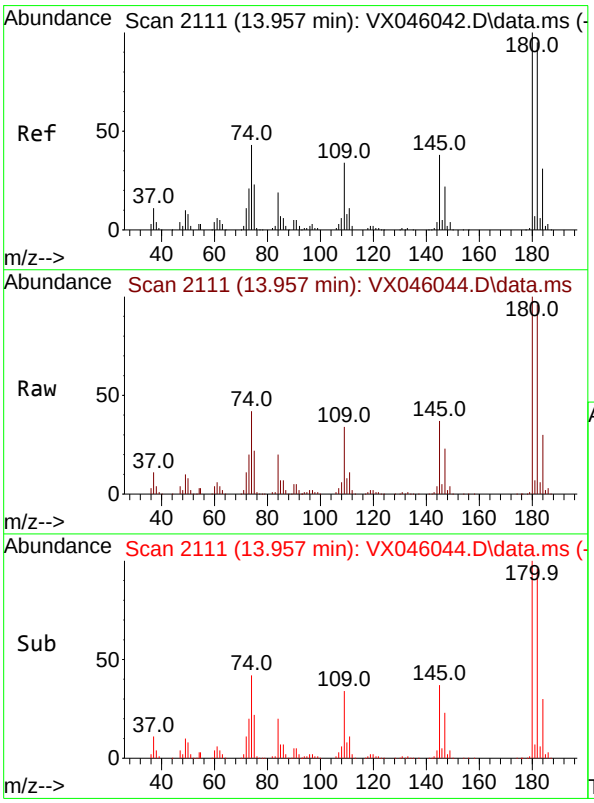
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.0	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

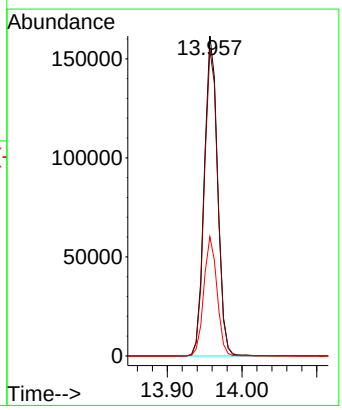
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 126.331 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:180 Resp: 200379

Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.8	143.3
145	36.7	18.1	54.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	96964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	168484	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	147167	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	9067	3.143	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	6.280%#		
35) Dibromofluoromethane	5.373	113	5969	3.161	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	6.320%#		
50) Toluene-d8	8.647	98	20566	3.232	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	6.460%#		
62) 4-Bromofluorobenzene	11.079	95	7822	3.378	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	6.760%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	6195	2.894	ug/l	95
3) Chloromethane	1.307	50	6587	3.125	ug/l	99
4) Vinyl Chloride	1.374	62	5999	3.249	ug/l	96
5) Bromomethane	1.593	94	2962	3.164	ug/l	88
6) Chloroethane	1.666	64	3567	3.750	ug/l	94
7) Trichlorofluoromethane	1.874	101	9599	3.413	ug/l	88
8) Diethyl Ether	2.130	74	3020	3.266	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.325	101	5911	3.517	ug/l	99
10) Methyl Iodide	2.441	142	5900	2.990	ug/l	99
11) Tert butyl alcohol	2.965	59	5539	16.111	ug/l	98
12) 1,1-Dichloroethene	2.306	96	5496	3.359	ug/l	97
13) Acrolein	2.233	56	5673	14.206	ug/l	95
14) Allyl chloride	2.654	41	10262	3.319	ug/l	98
15) Acrylonitrile	3.062	53	16746	16.282	ug/l	97
16) Acetone	2.380	43	19773	20.036	ug/l	98
17) Carbon Disulfide	2.501	76	11068	2.919	ug/l	96
18) Methyl Acetate	2.703	43	7909	3.357	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	18497	3.241	ug/l	97
20) Methylene Chloride	2.782	84	6680	3.341	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	5402	3.234	ug/l	100
22) Diisopropyl ether	3.751	45	18657	3.230	ug/l #	65
23) Vinyl Acetate	3.715	43	82328	16.127	ug/l	99
24) 1,1-Dichloroethane	3.605	63	11193	3.297	ug/l	99
25) 2-Butanone	4.562	43	26125	18.340	ug/l	98
26) 2,2-Dichloropropane	4.465	77	8245	3.205	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	6222	3.089	ug/l	95
28) Bromochloromethane	4.891	49	5360	2.969	ug/l #	100
29) Tetrahydrofuran	5.001	42	15431	16.680	ug/l	98
30) Chloroform	5.080	83	11624	3.294	ug/l	89
31) Cyclohexane	5.458	56	10269	3.588	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	9827	3.229	ug/l	97
36) 1,1-Dichloropropene	5.678	75	7787	3.551	ug/l	98
37) Ethyl Acetate	4.721	43	9806m	3.565	ug/l	
38) Carbon Tetrachloride	5.659	117	8505	3.376	ug/l	97
39) Methylcyclohexane	7.373	83	9882	3.597	ug/l	93
40) Benzene	6.031	78	22528	3.315	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	4851	3.174	ug/l	#	65
42) 1,2-Dichloroethane	6.080	62	10011	3.563	ug/l		100
43) Isopropyl Acetate	6.348	43	13914	3.309	ug/l		96
44) Trichloroethene	7.123	130	5313	3.307	ug/l		94
45) 1,2-Dichloropropane	7.427	63	5451	3.228	ug/l	#	89
46) Dibromomethane	7.580	93	4417	3.318	ug/l		98
47) Bromodichloromethane	7.818	83	8394	3.254	ug/l		98
48) Methyl methacrylate	7.696	41	7171	3.321	ug/l		97
49) 1,4-Dioxane	7.659	88	2907	67.721	ug/l		96
51) 4-Methyl-2-Pentanone	8.567	43	46794	16.967	ug/l		98
52) Toluene	8.714	92	14126	3.505	ug/l		97
53) t-1,3-Dichloropropene	8.976	75	6834	3.155	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	7908	3.129	ug/l		91
55) 1,1,2-Trichloroethane	9.153	97	5685	3.490	ug/l		98
56) Ethyl methacrylate	9.116	69	8555	3.390	ug/l		98
57) 1,3-Dichloropropane	9.305	76	10127	3.508	ug/l		94
58) 2-Chloroethyl Vinyl ether	8.238	63	20809	18.346	ug/l		99
59) 2-Hexanone	9.427	43	34853	16.651	ug/l		97
60) Dibromochloromethane	9.518	129	5500	3.102	ug/l		98
61) 1,2-Dibromoethane	9.604	107	5614	3.356	ug/l		99
64) Tetrachloroethene	9.269	164	4752	3.162	ug/l		96
65) Chlorobenzene	10.079	112	15391	3.399	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	5024	3.326	ug/l		99
67) Ethyl Benzene	10.195	91	26732	3.463	ug/l		99
68) m/p-Xylenes	10.299	106	19957	7.156	ug/l		98
69) o-Xylene	10.640	106	9398	3.343	ug/l		95
70) Styrene	10.652	104	14900	3.312	ug/l		99
71) Bromoform	10.799	173	3470	3.059	ug/l	#	99
73) Isopropylbenzene	10.957	105	24201	3.266	ug/l		98
74) N-amyl acetate	10.841	43	11224	3.038	ug/l		96
75) 1,1,2,2-Tetrachloroethane	11.207	83	9170	3.479	ug/l		97
76) 1,2,3-Trichloropropane	11.238	75	7928m	2.799	ug/l		
77) Bromobenzene	11.195	156	5857	3.417	ug/l		96
78) n-propylbenzene	11.299	91	28436	3.424	ug/l		100
79) 2-Chlorotoluene	11.360	91	18672	3.336	ug/l		97
80) 1,3,5-Trimethylbenzene	11.451	105	20742	3.372	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	1828	2.686	ug/l		99
82) 4-Chlorotoluene	11.451	91	19966	3.245	ug/l		98
83) tert-Butylbenzene	11.713	119	21049	3.484	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	20613	3.355	ug/l		97
85) sec-Butylbenzene	11.890	105	25590	3.412	ug/l		99
86) p-Isopropyltoluene	12.006	119	20955	3.460	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	10585	3.315	ug/l		97
88) 1,4-Dichlorobenzene	12.036	146	10908	3.486	ug/l		90
89) n-Butylbenzene	12.329	91	18004	3.419	ug/l		94
90) Hexachloroethane	12.536	117	3553	3.153	ug/l		94
91) 1,2-Dichlorobenzene	12.335	146	10712	3.444	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1687	2.812	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	5720	3.359	ug/l		96
94) Hexachlorobutadiene	13.719	225	2816	3.535	ug/l		96
95) Naphthalene	13.774	128	19902	3.209	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	5745	3.217	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

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

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

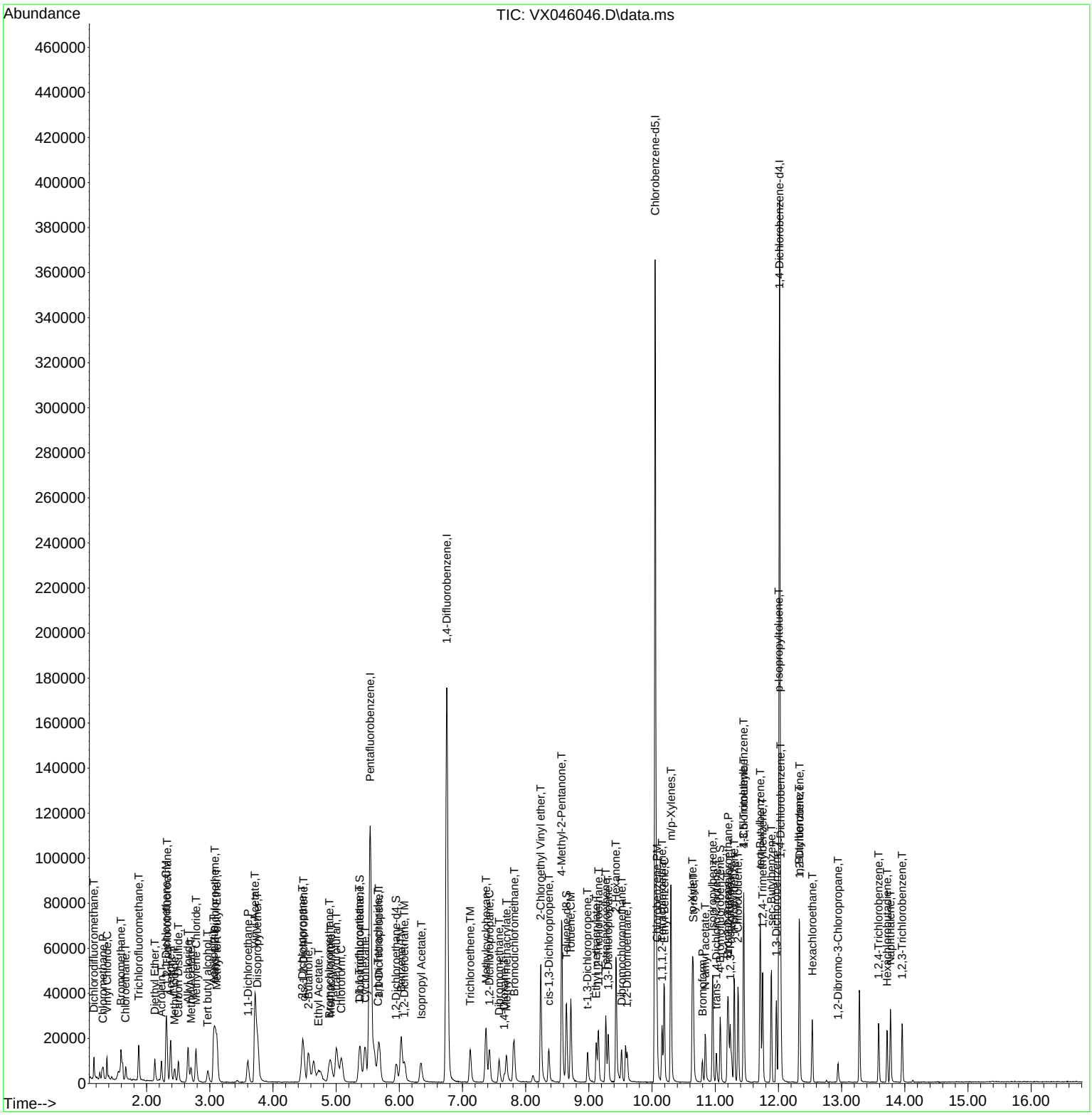
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

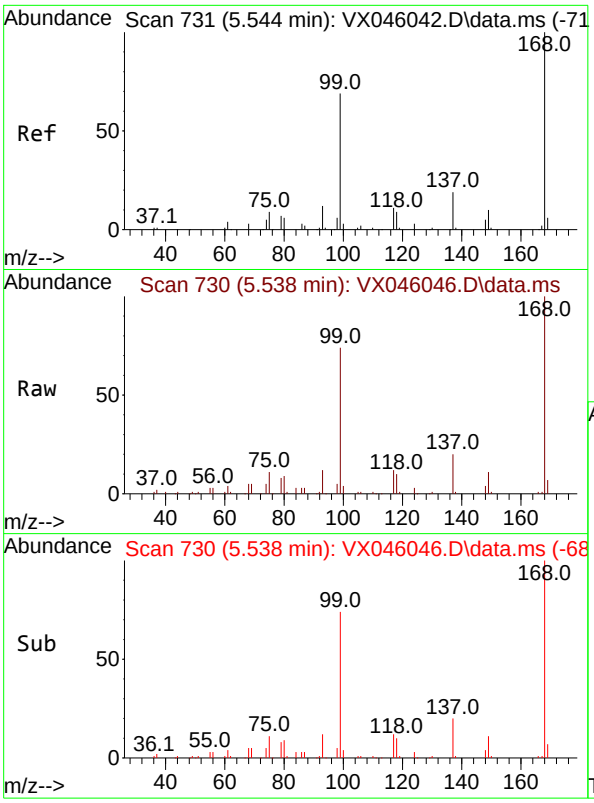
Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

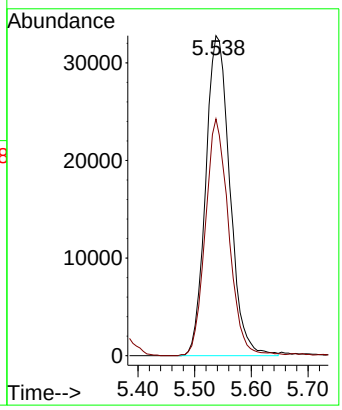




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:168 Resp: 9696

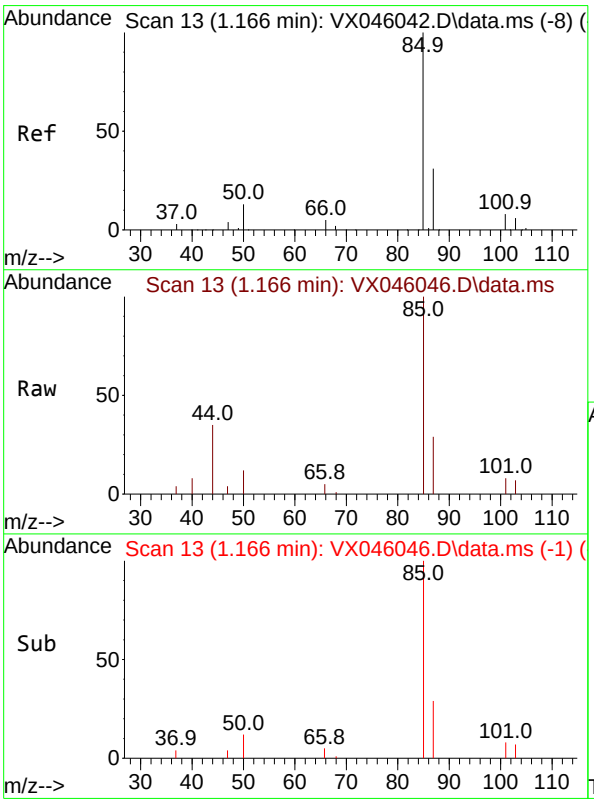
Ion	Ratio	Lower	Upper
168	100		
99	74.0	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

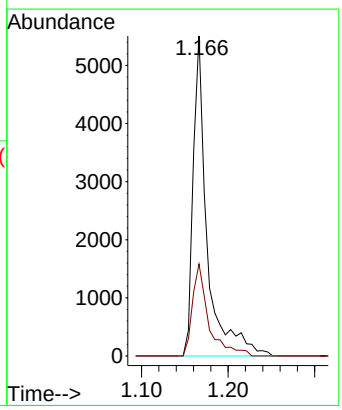
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

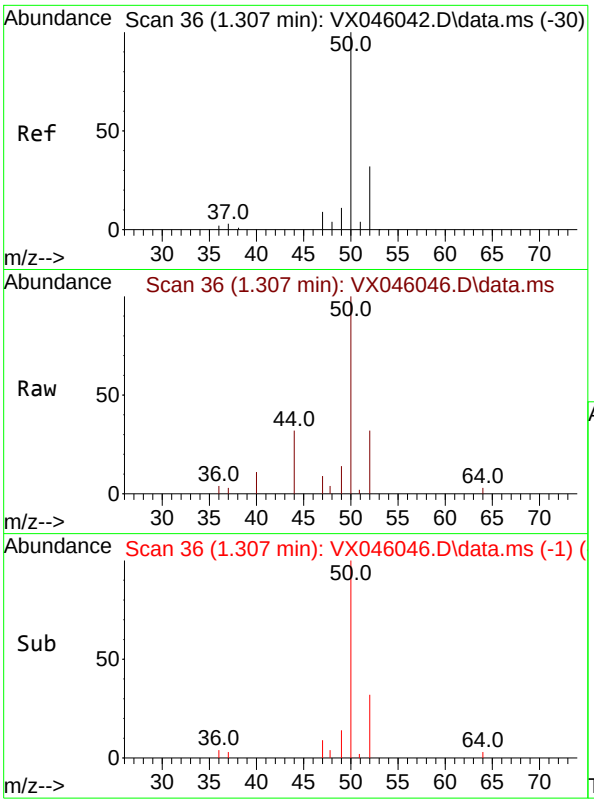


#2
Dichlorodifluoromethane
Concen: 2.894 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 85 Resp: 6195

Ion	Ratio	Lower	Upper
85	100		
87	28.7	15.7	47.1

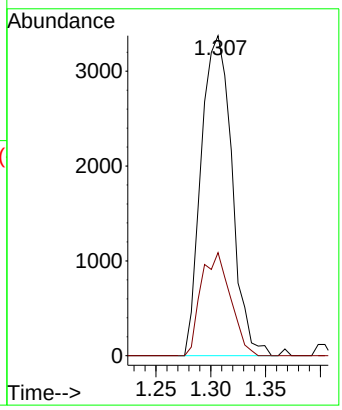




#3
Chloromethane
Concen: 3.125 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 50 Resp: 658

Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
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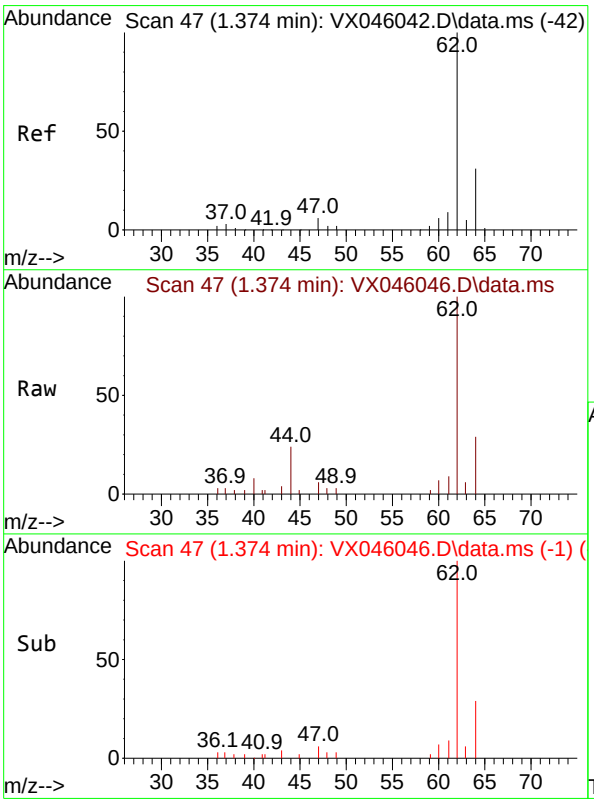
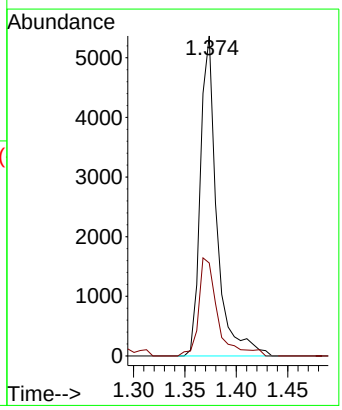
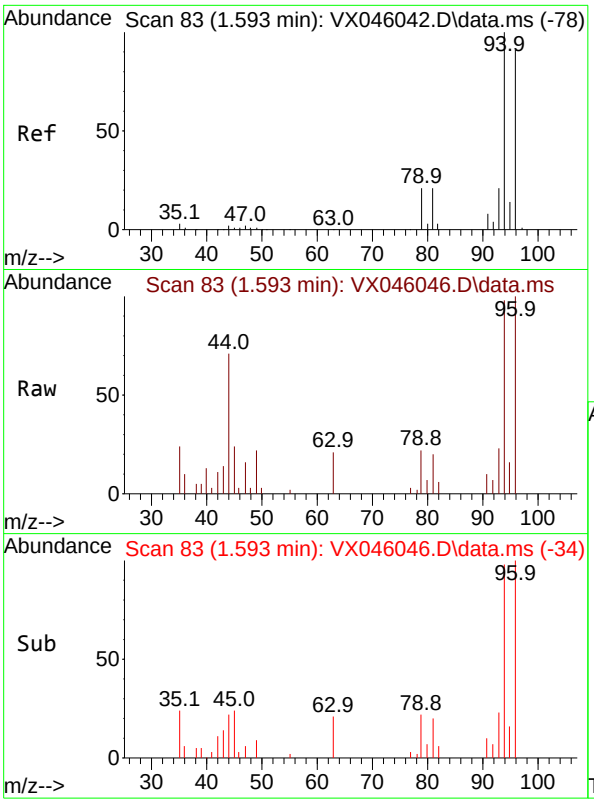


#4
Vinyl Chloride
Concen: 3.249 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 62 Resp: 5999

Ion	Ratio	Lower	Upper
62	100		
64	29.1	25.2	37.8

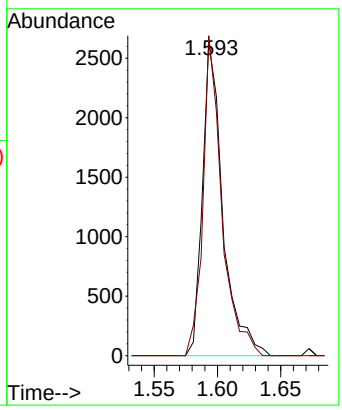




#5
Bromomethane
Concen: 3.164 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 94 Resp: 296

Ion	Ratio	Lower	Upper
94	100		
96	102.2	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
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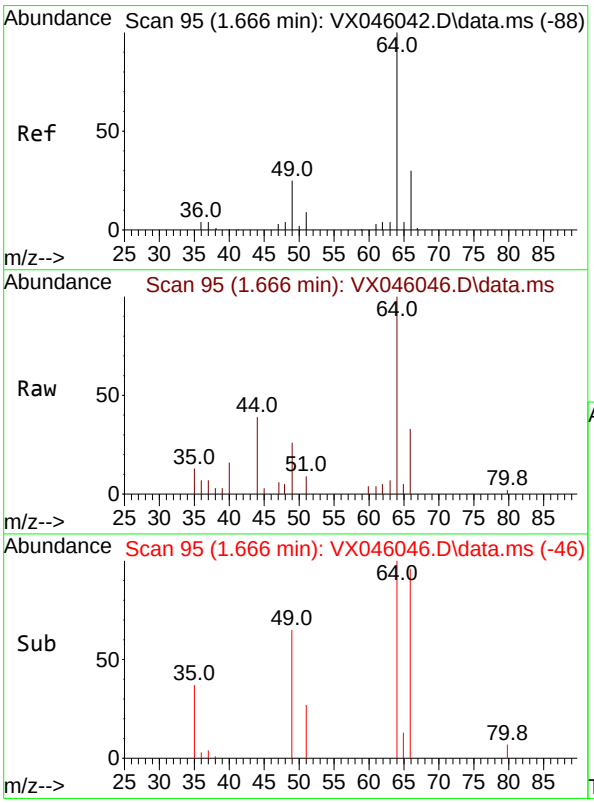
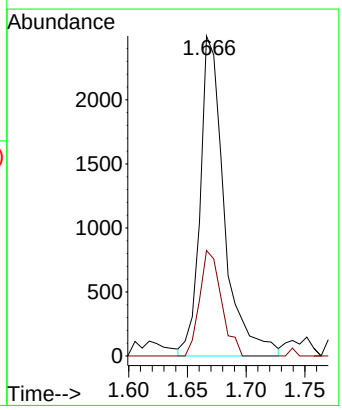
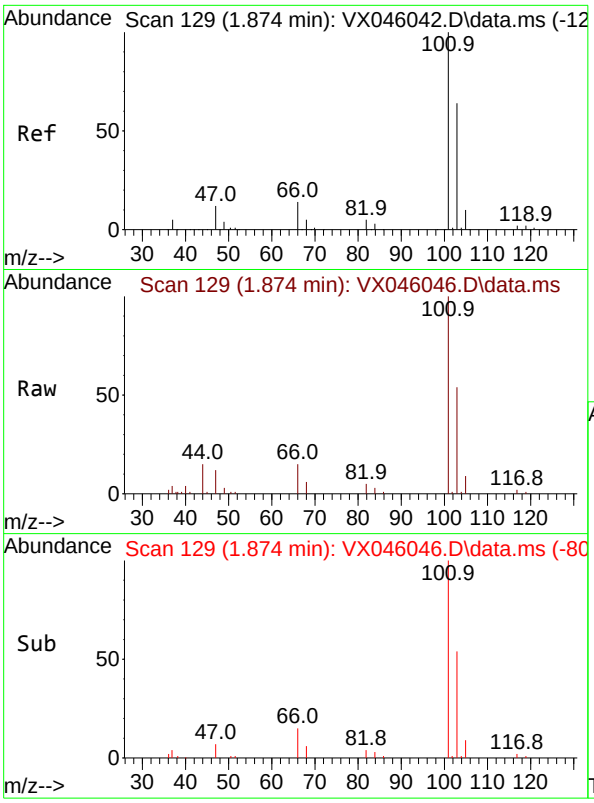


#6
Chloroethane
Concen: 3.750 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 64 Resp: 3567

Ion	Ratio	Lower	Upper
64	100		
66	33.7	24.3	36.5

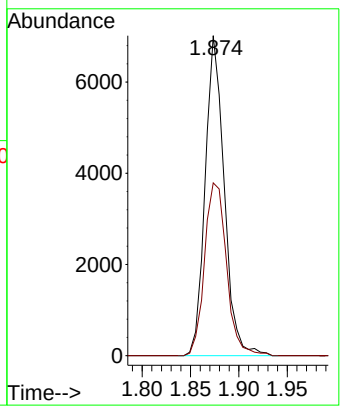




#7
Trichlorofluoromethane
Concen: 3.413 ug/l
RT: 1.874 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:101 Resp: 959

Ion	Ratio	Lower	Upper
101	100		
103	54.0	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
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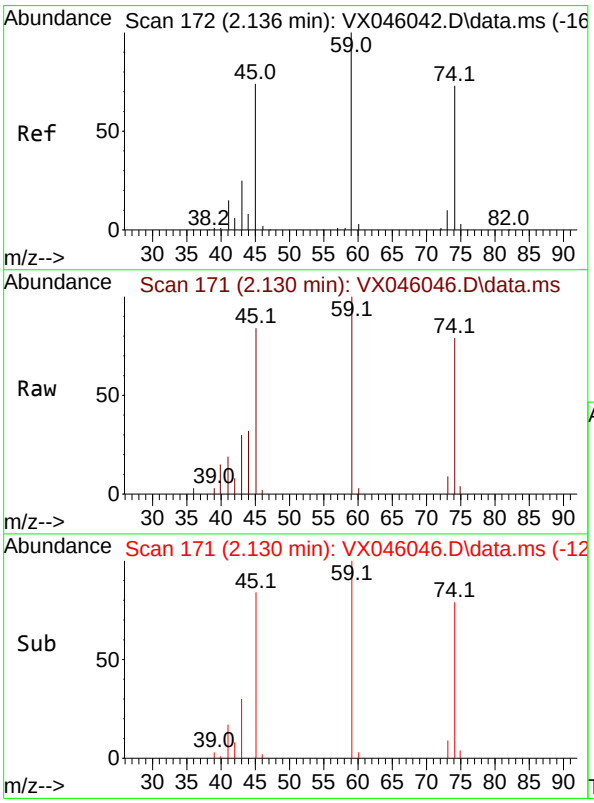
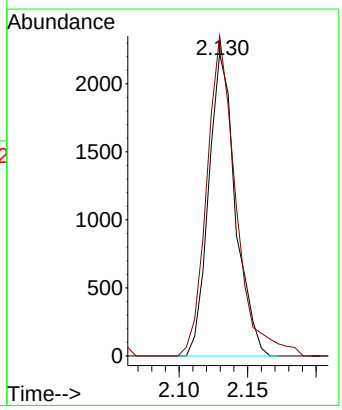
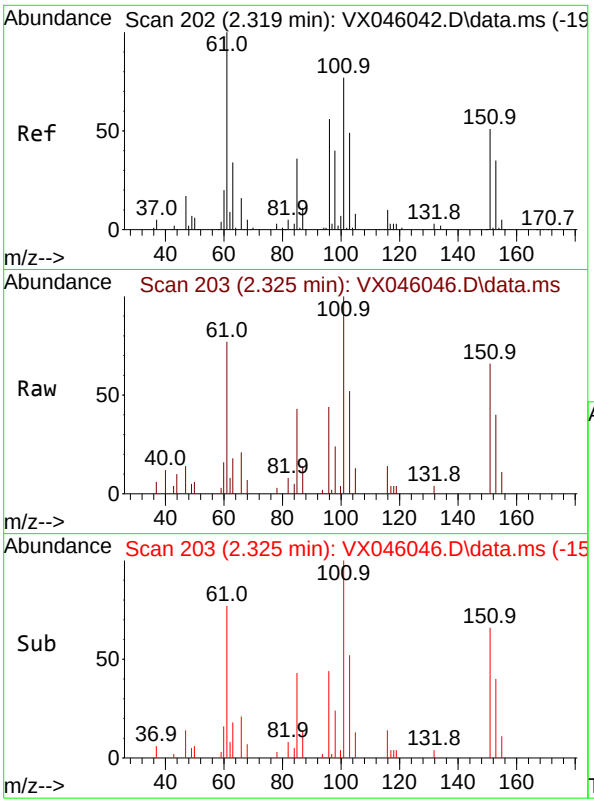


#8
Diethyl Ether
Concen: 3.266 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 74 Resp: 3020

Ion	Ratio	Lower	Upper
74	100		
45	115.1	54.9	164.8





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

Tgt Ion:101 Resp: 591

Ion	Ratio	Lower	Upper
101	100		
85	46.3	38.6	58.0
151	68.8	55.2	82.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
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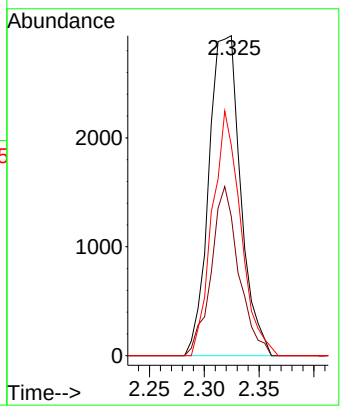
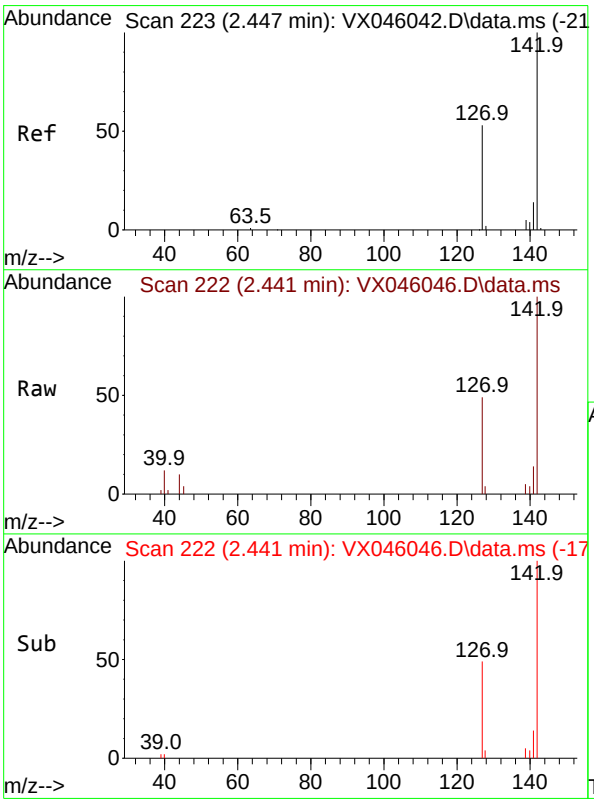
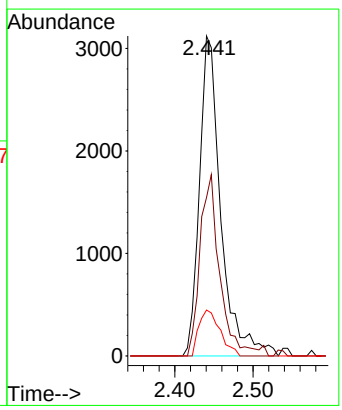


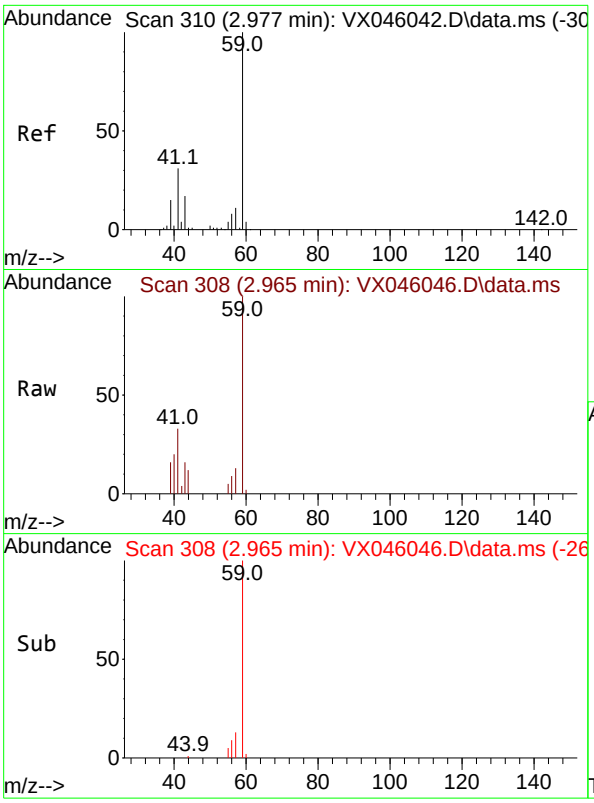


#10
Methyl Iodide
Concen: 2.990 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:142 Resp: 5900

Ion	Ratio	Lower	Upper
142	100		
127	52.8	41.7	62.5
141	14.3	11.5	17.3





#11
Tert butyl alcohol
Concen: 16.111 ug/l
RT: 2.965 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 59 Resp: 553

Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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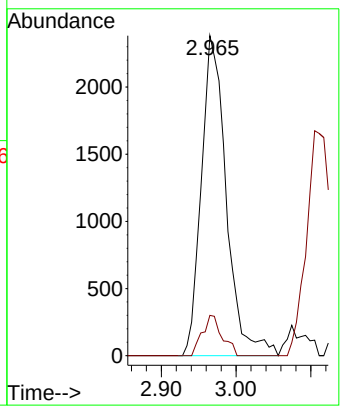
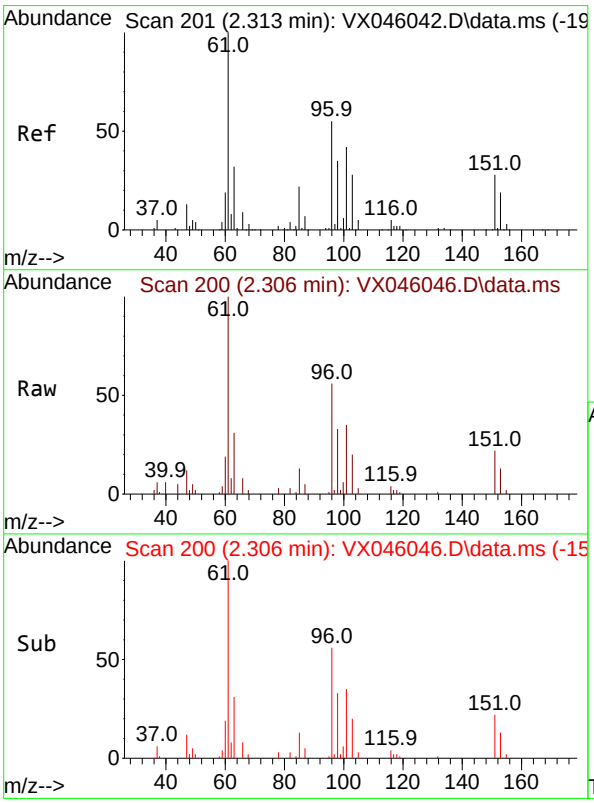
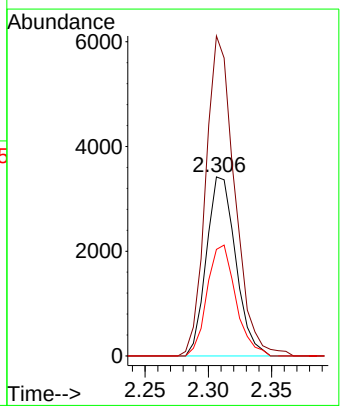


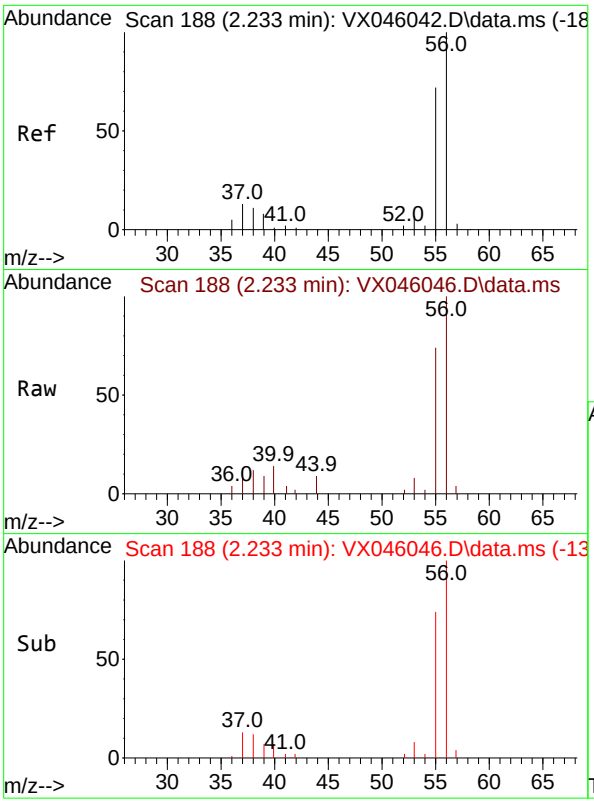


#12
1,1-Dichloroethene
Concen: 3.359 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 96 Resp: 5496

Ion	Ratio	Lower	Upper
96	100		
61	178.7	146.2	219.2
98	59.5	51.0	76.6

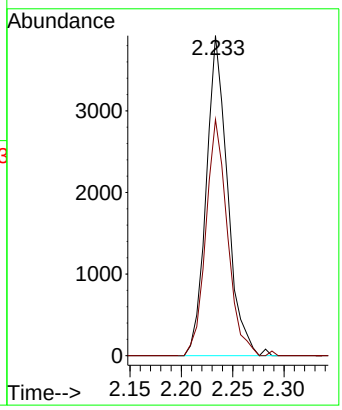




#13
Acrolein
Concen: 14.206 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 56 Resp: 567

Ion	Ratio	Lower	Upper
56	100		
55	74.5	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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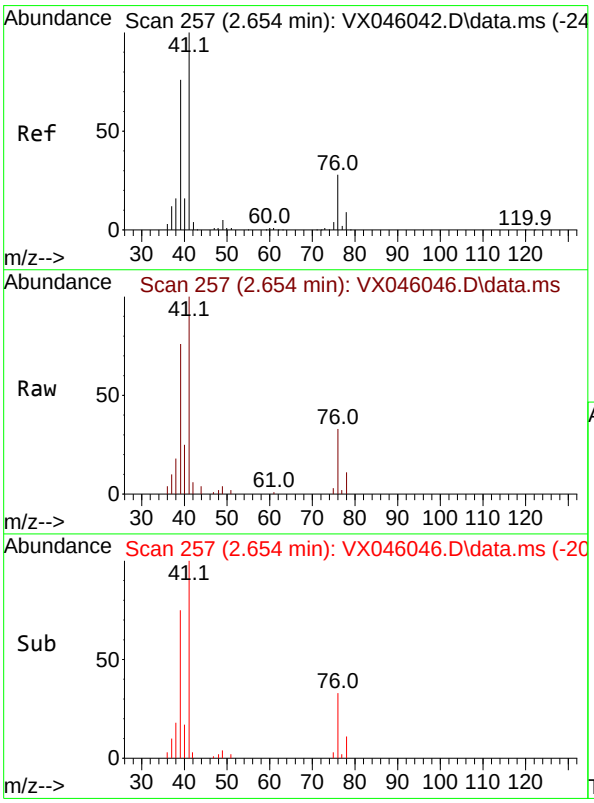
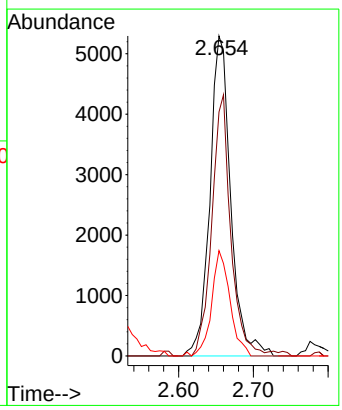
Supervised By :Mahesh Dadoda 05/06/2025

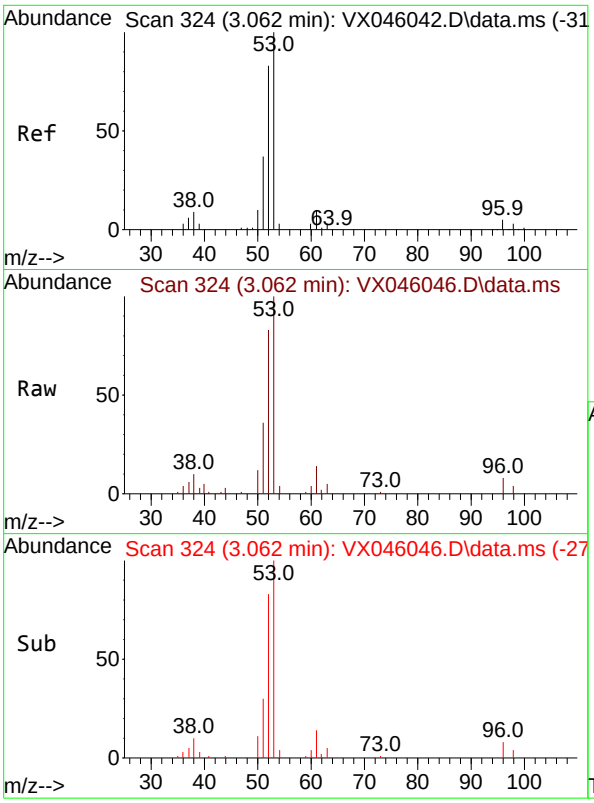


#14
Allyl chloride
Concen: 3.319 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 41 Resp: 10262

Ion	Ratio	Lower	Upper
41	100		
39	74.1	60.6	90.8
76	29.1	24.9	37.3

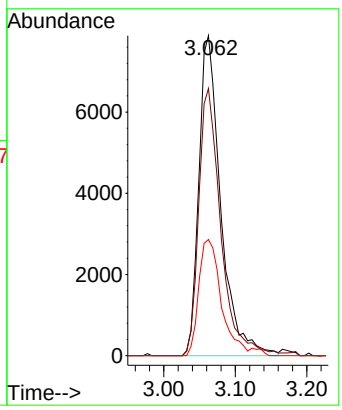




#15
Acrylonitrile
Concen: 16.282 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 53 Resp: 1674

Ion	Ratio	Lower	Upper
53	100		
52	84.3	65.3	97.9
51	38.5	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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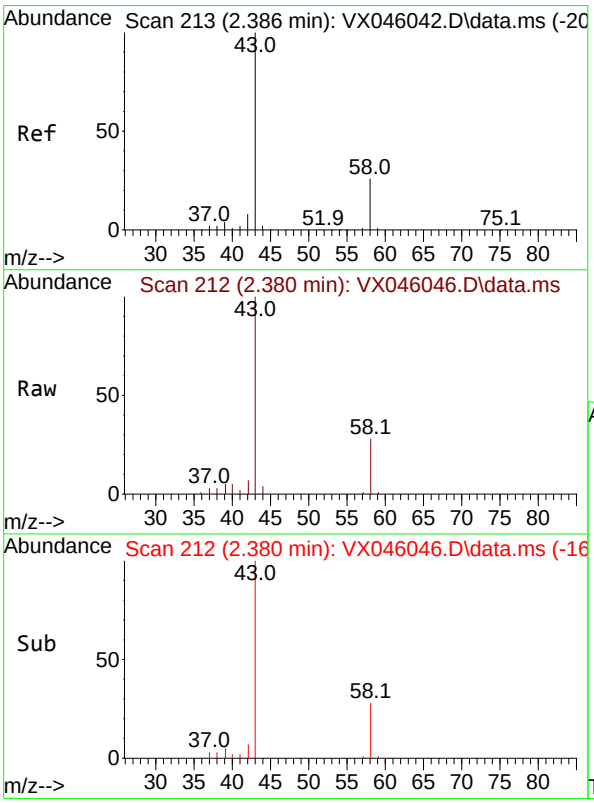
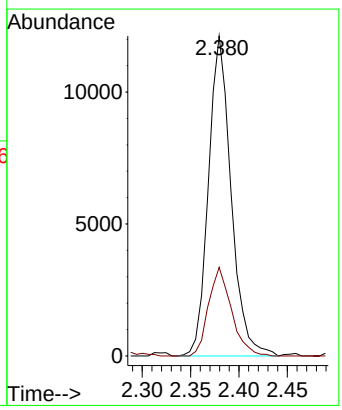
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

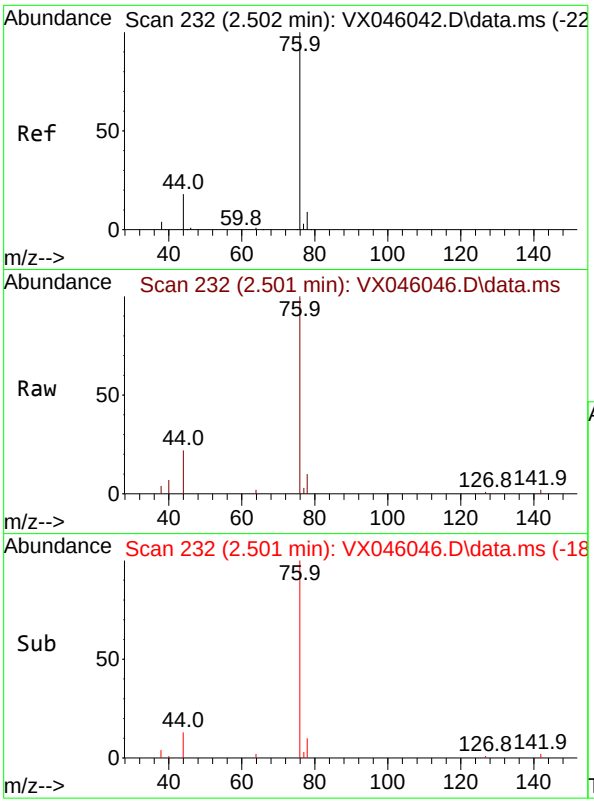


#16
Acetone
Concen: 20.036 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 19773

Ion	Ratio	Lower	Upper
43	100		
58	27.7	21.2	31.8





#17
Carbon Disulfide
Concen: 2.919 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 76 Resp: 1106

Ion	Ratio	Lower	Upper
76	100		
78	10.2	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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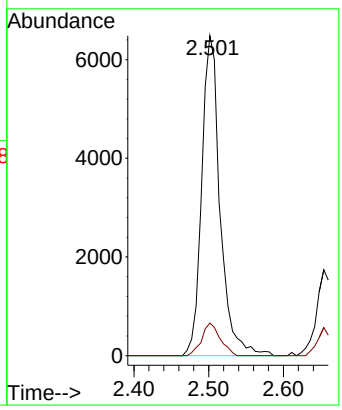
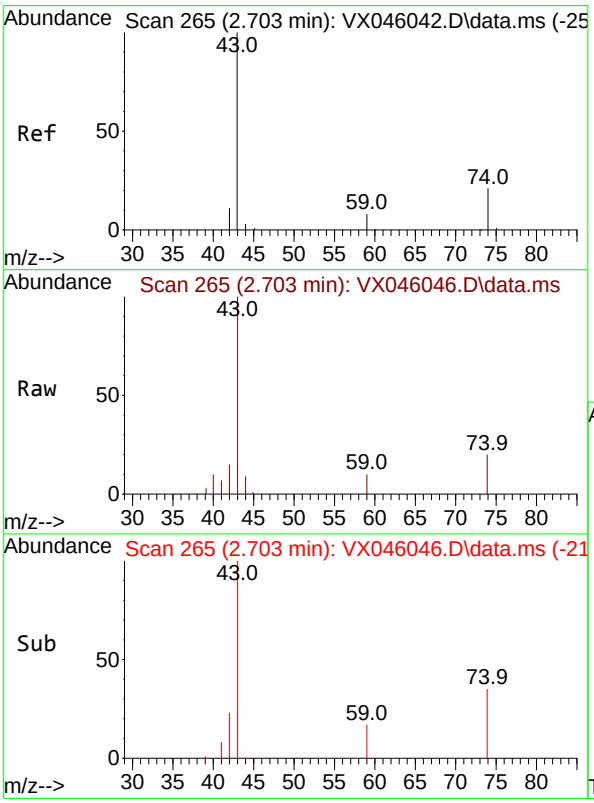
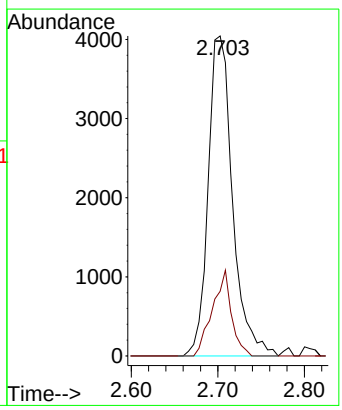


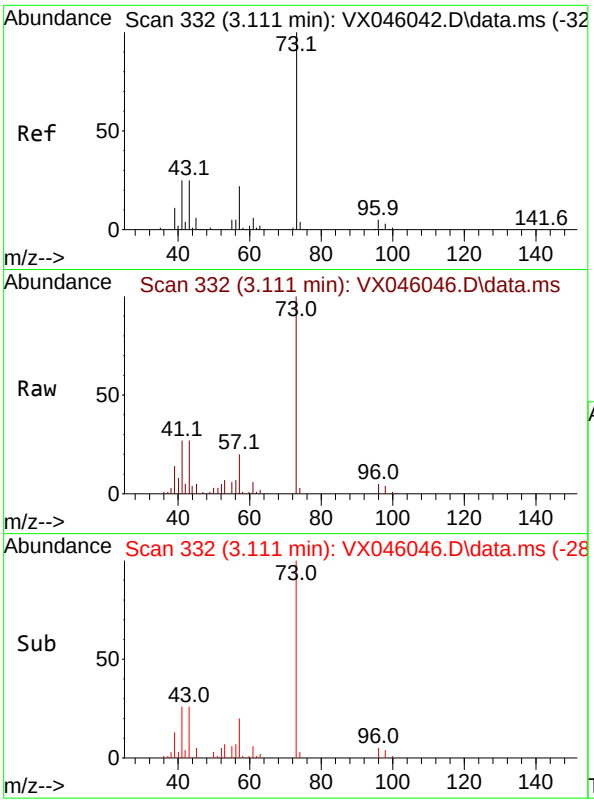


#18
Methyl Acetate
Concen: 3.357 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 7909

Ion	Ratio	Lower	Upper
43	100		
74	20.9	16.7	25.1

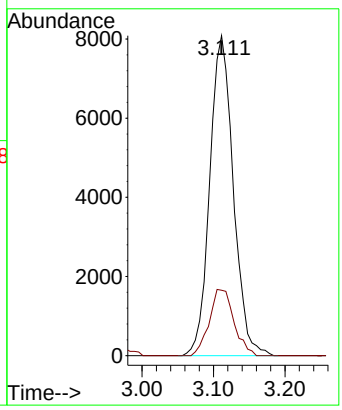




#19
Methyl tert-butyl Ether
Concen: 3.241 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 73 Resp: 1849

Ion	Ratio	Lower	Upper
73	100		
57	20.5	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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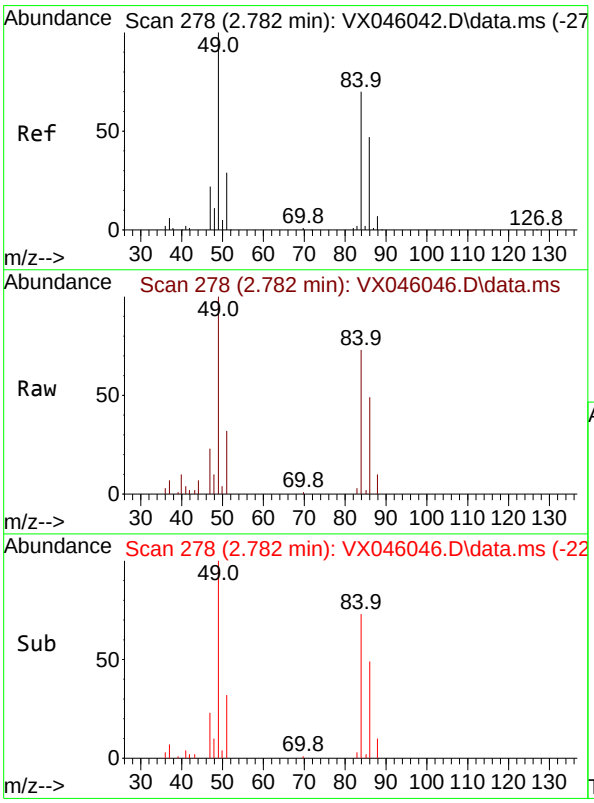
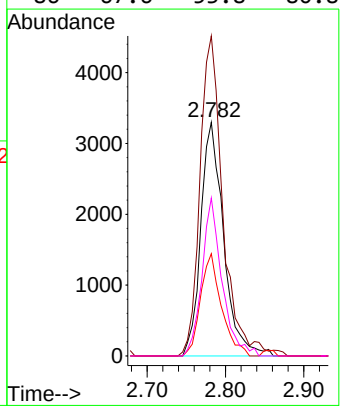
Supervised By :Mahesh Dadoda 05/06/2025

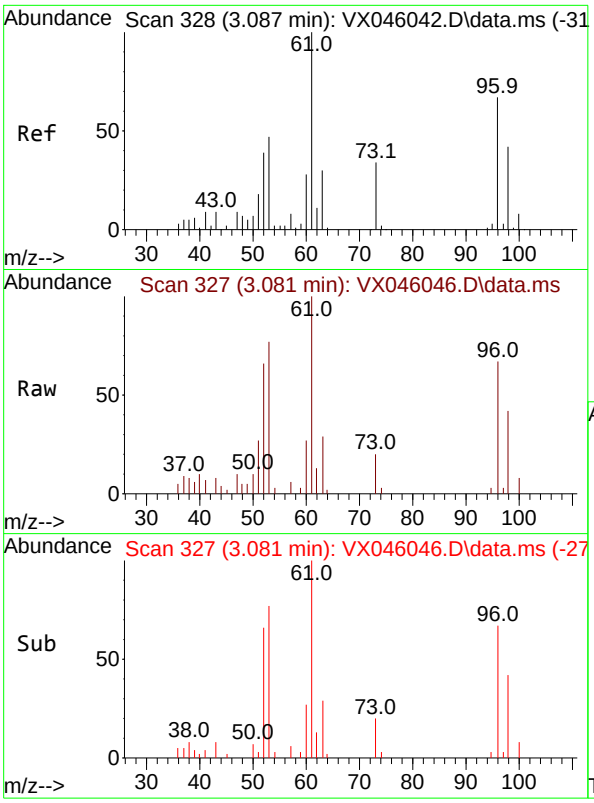


#20
Methylene Chloride
Concen: 3.341 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 84 Resp: 6680

Ion	Ratio	Lower	Upper
84	100		
49	137.0	113.9	170.9
51	43.8	33.5	50.3
86	67.6	53.8	80.8

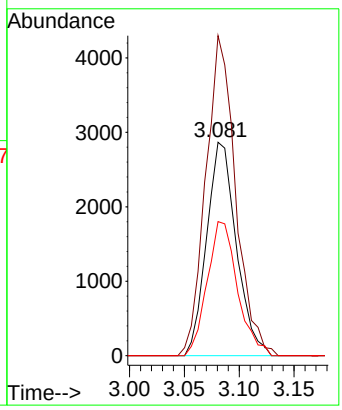




#21
trans-1,2-Dichloroethene
Concen: 3.234 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 96 Resp: 540

Ion	Ratio	Lower	Upper
96	100		
61	149.9	119.5	179.3
98	62.9	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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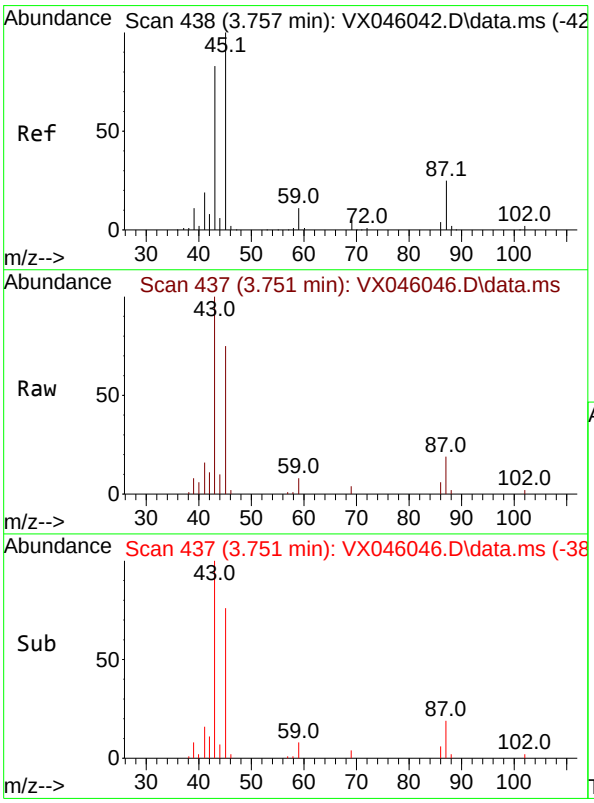
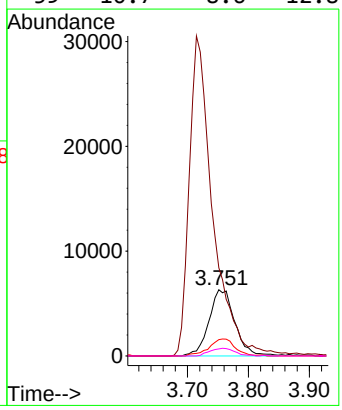
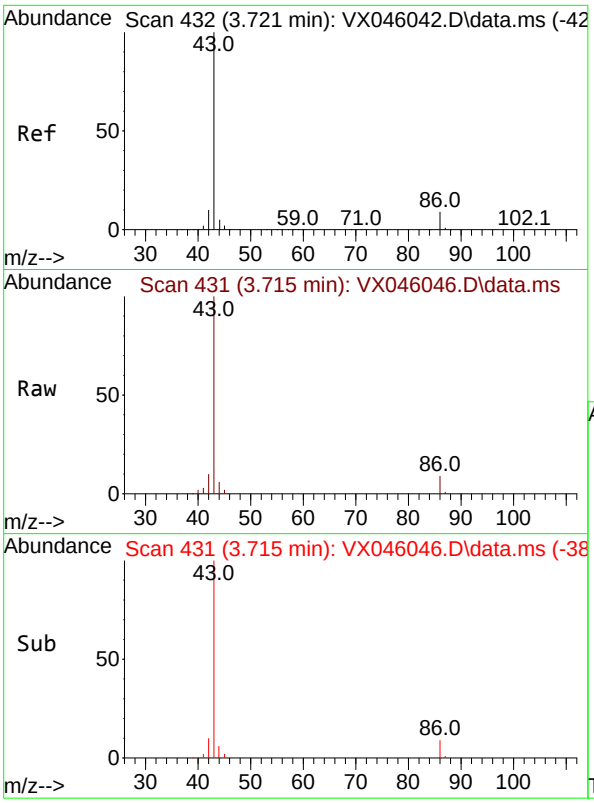


#22
Diisopropyl ether
Concen: 3.230 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 45 Resp: 18657

Ion	Ratio	Lower	Upper
45	100		
43	128.0	66.6	100.0#
87	24.7	19.8	29.6
59	10.7	8.6	12.8





#23
Vinyl Acetate
Concen: 16.127 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 8232

Ion	Ratio	Lower	Upper
43	100		
86	9.1	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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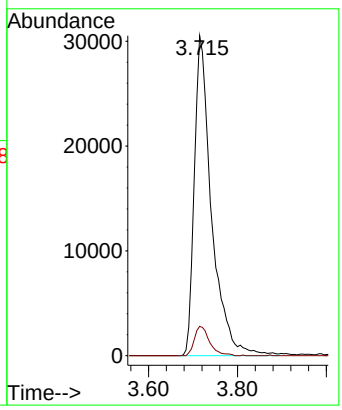
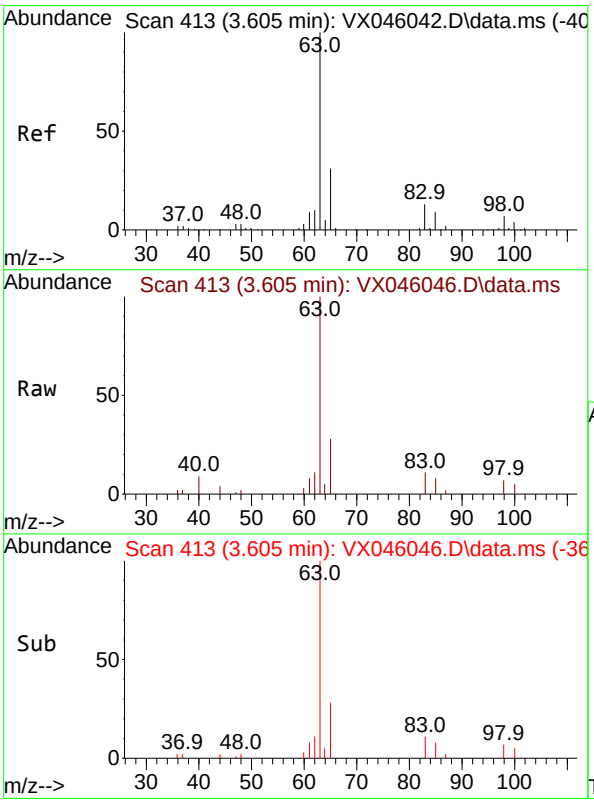
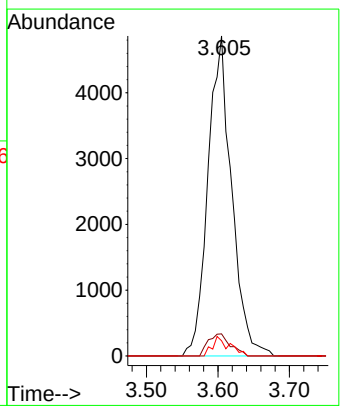


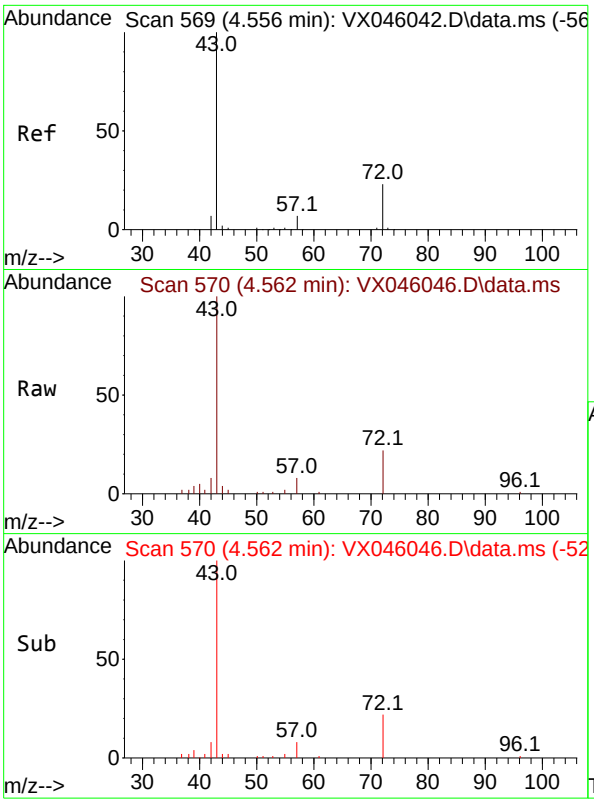


#24
1,1-Dichloroethane
Concen: 3.297 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 63 Resp: 11193

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.6	10.8
100	4.7	2.1	6.3





#25
2-Butanone
Concen: 18.340 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 2612

Ion	Ratio	Lower	Upper
43	100		
72	21.8	18.4	27.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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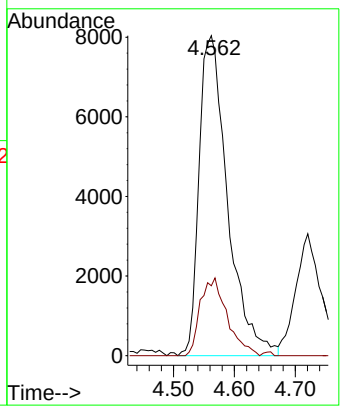
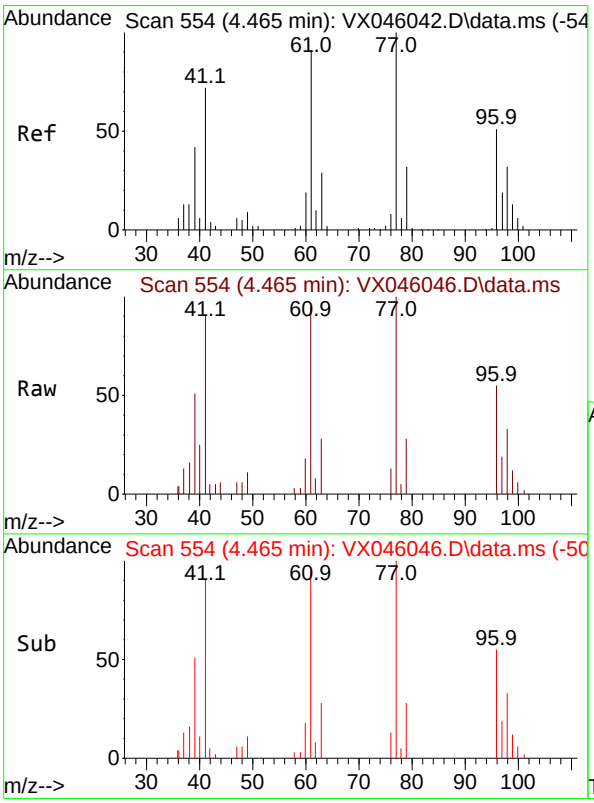
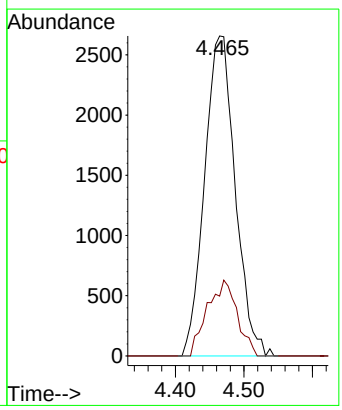


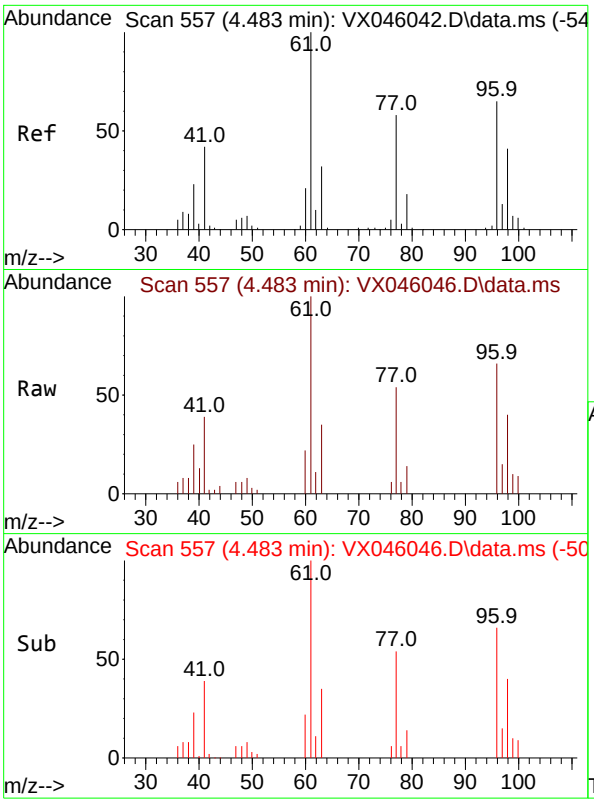


#26
2,2-Dichloropropane
Concen: 3.205 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 77 Resp: 8245

Ion	Ratio	Lower	Upper
77	100		
97	23.1	10.5	31.5





#27
cis-1,2-Dichloroethene
Concen: 3.089 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 96 Resp: 622

Ion	Ratio	Lower	Upper
96	100		
61	168.5	0.0	322.8
98	67.6	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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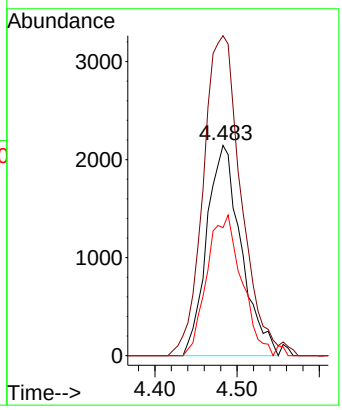
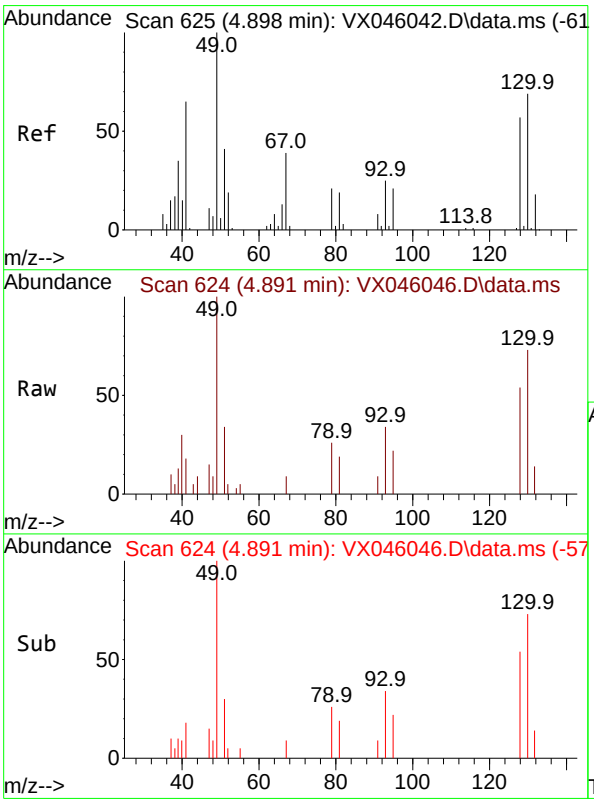
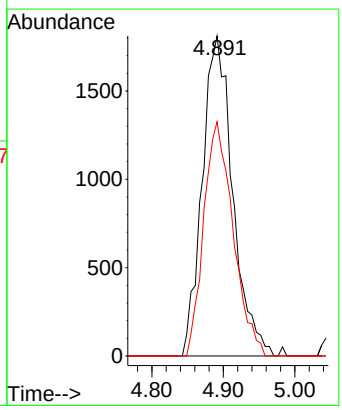


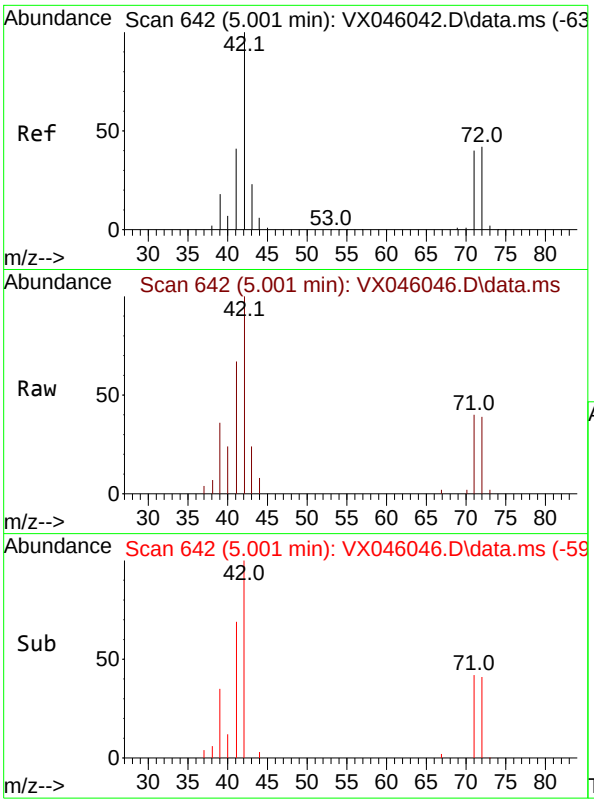


#28
Bromochloromethane
Concen: 2.969 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 49 Resp: 5360

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	70.5	56.2	84.2





#29
Tetrahydrofuran
Concen: 16.680 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 42 Resp: 1543

Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.7	50.5
71	37.4	31.4	47.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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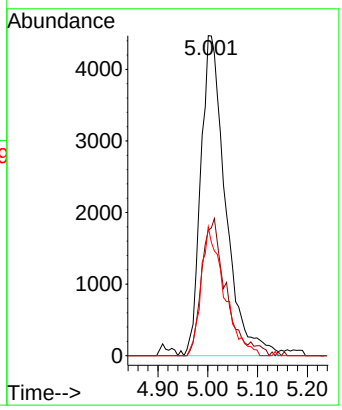
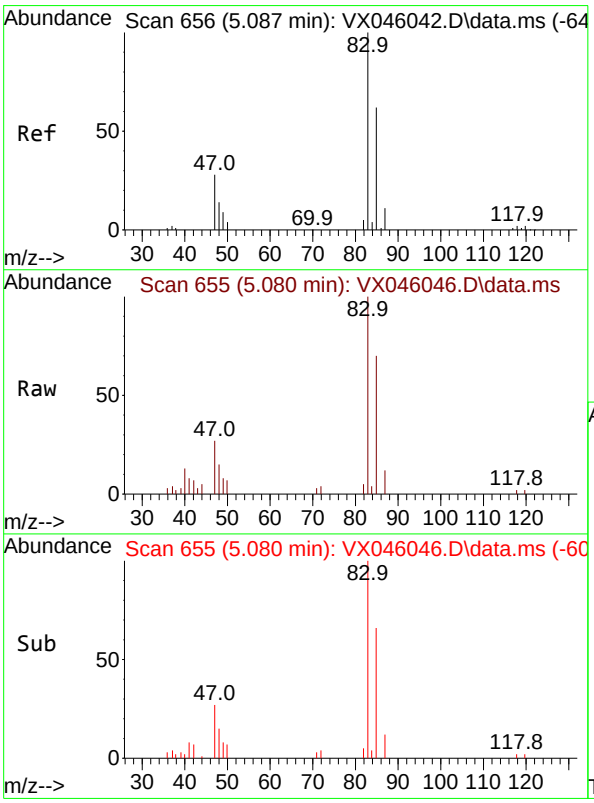
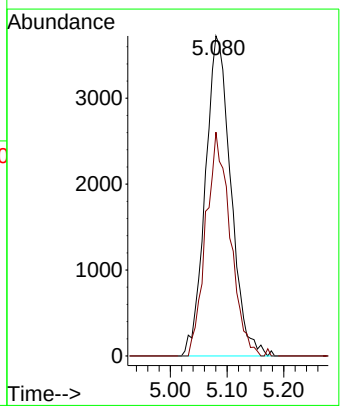


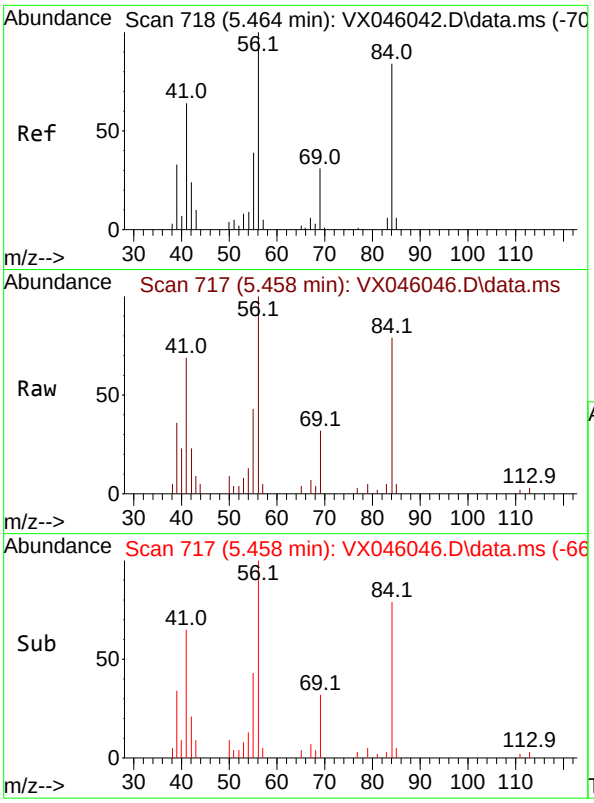


#30
Chloroform
Concen: 3.294 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 83 Resp: 11624

Ion	Ratio	Lower	Upper
83	100		
85	69.9	49.3	73.9

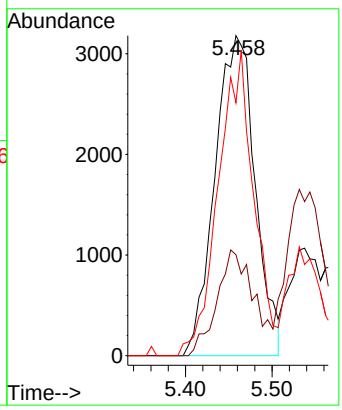




#31
Cyclohexane
Concen: 3.588 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 56 Resp: 1026

Ion	Ratio	Lower	Upper
56	100		
69	31.6	24.4	36.6
84	79.1	66.9	100.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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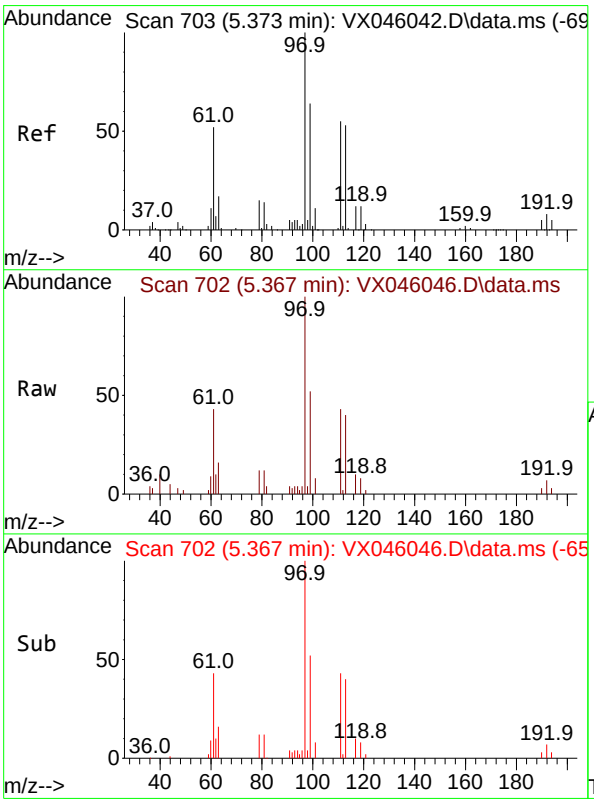
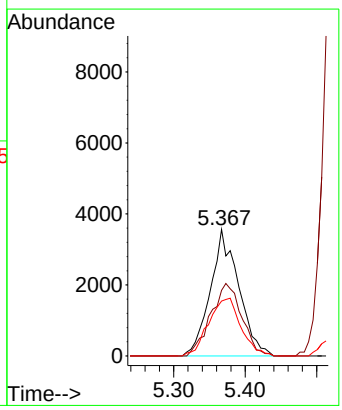
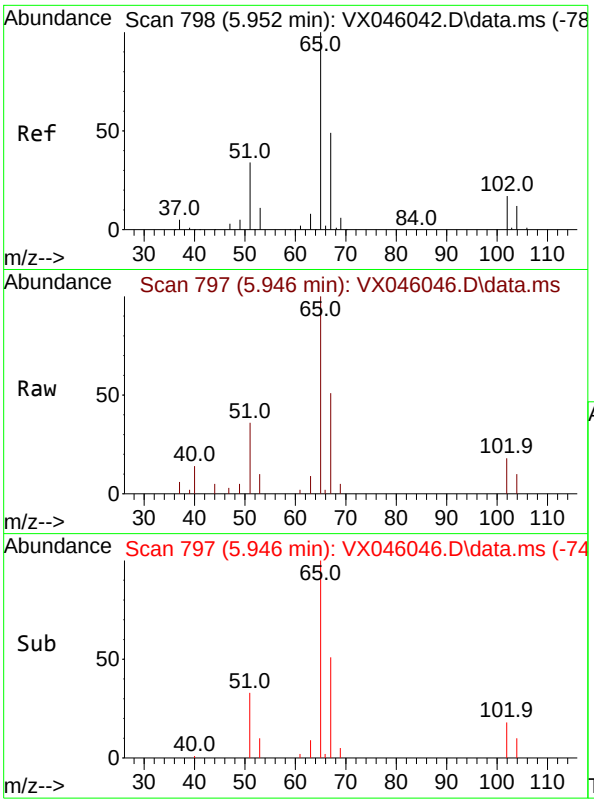


#32
1,1,1-Trichloroethane
Concen: 3.229 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 97 Resp: 9827

Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.8	77.6
61	51.8	40.1	60.1

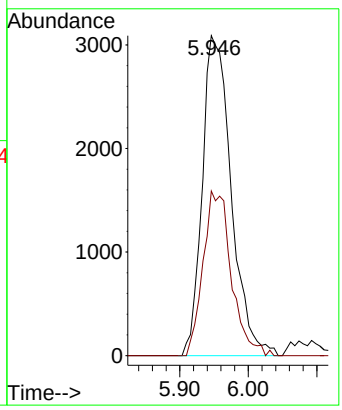




#33
1,2-Dichloroethane-d4
Concen: 3.143 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 65 Resp: 906

Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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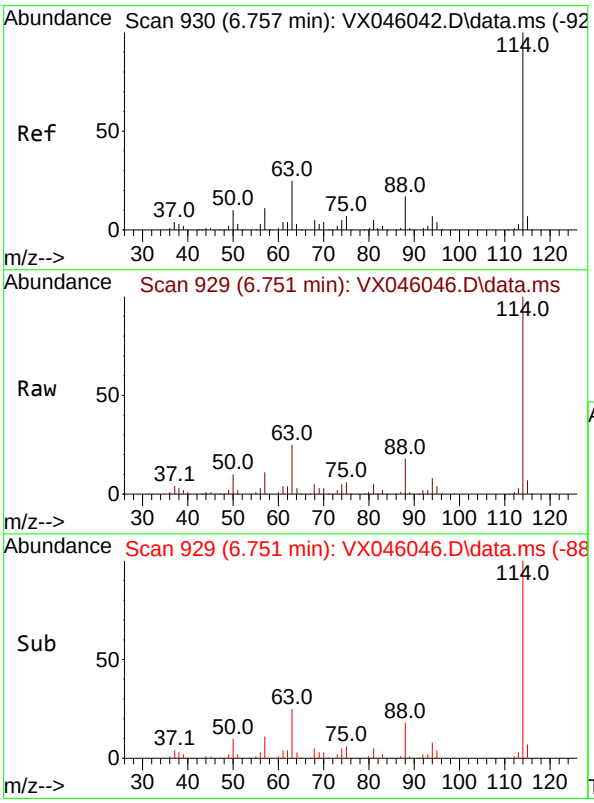
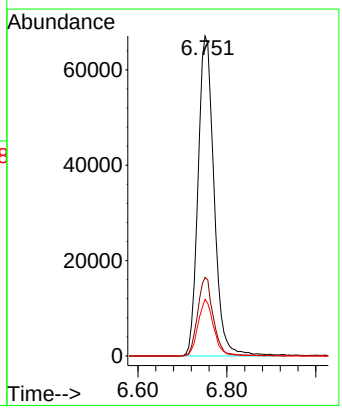
Supervised By :Mahesh Dadoda 05/06/2025

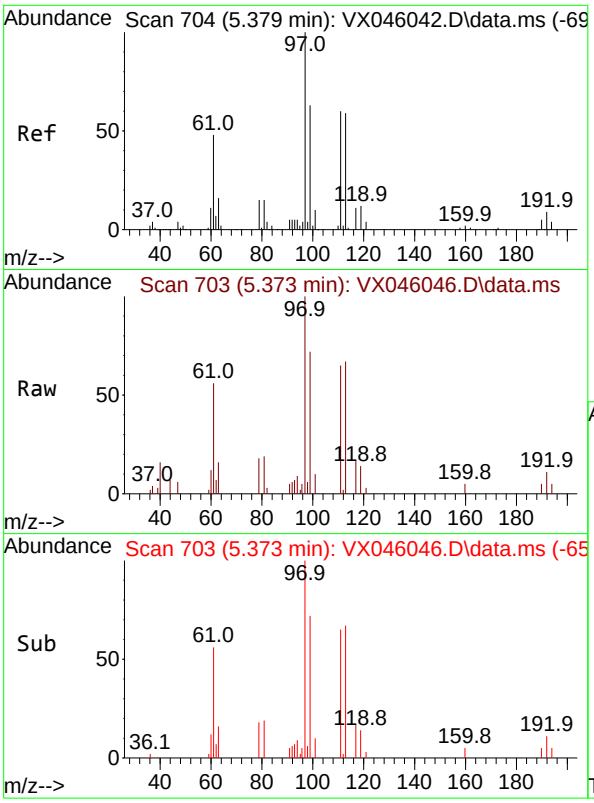


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:114 Resp: 168484

Ion	Ratio	Lower	Upper
114	100		
63	24.5	0.0	49.2
88	17.7	0.0	33.6

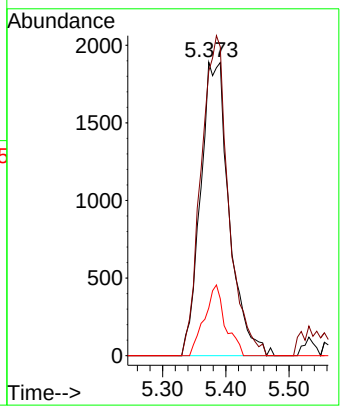




#35
Dibromofluoromethane
Concen: 3.161 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:113 Resp: 596

Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.1	124.7
192	17.5	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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Reviewed By :John Carlone 05/06/2025
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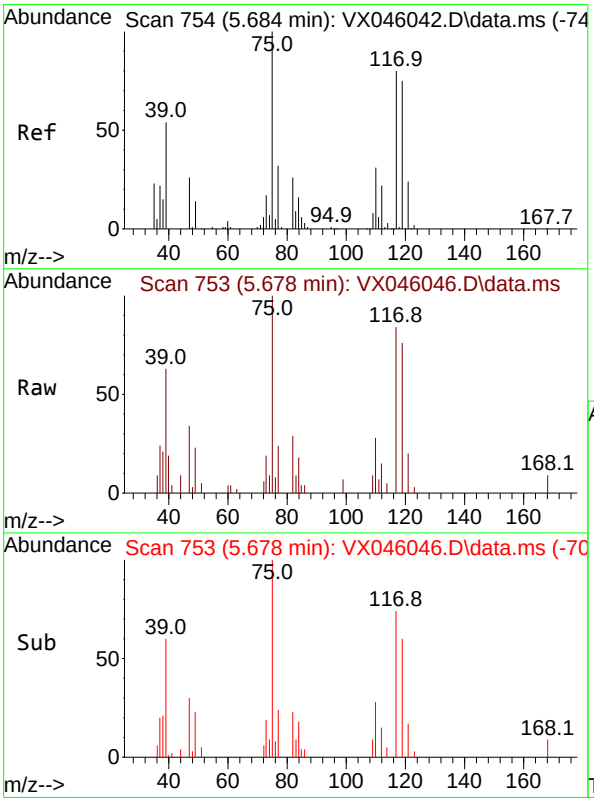
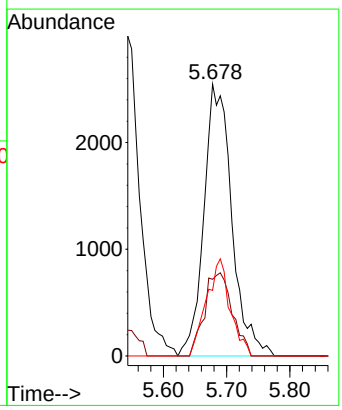
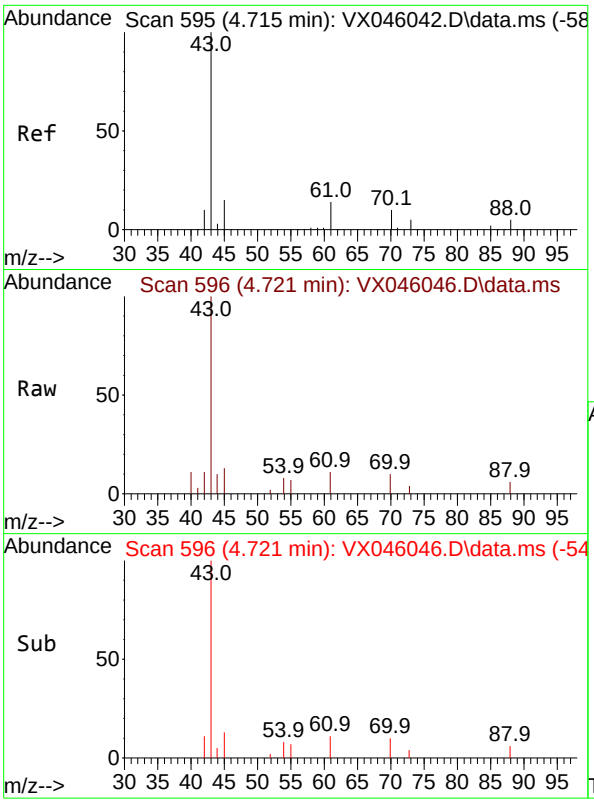


#36
1,1-Dichloropropene
Concen: 3.551 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 75 Resp: 7787

Ion	Ratio	Lower	Upper
75	100		
110	30.6	16.3	48.9
77	30.5	24.3	36.5

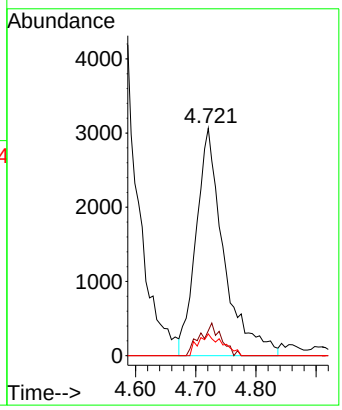




#37
Ethyl Acetate
Concen: 3.565 ug/l m
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 980

Ion	Ratio	Lower	Upper
43	100		
61	11.0	10.3	15.5
70	8.4	7.9	11.9



Instrument :
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ClientSampleId :
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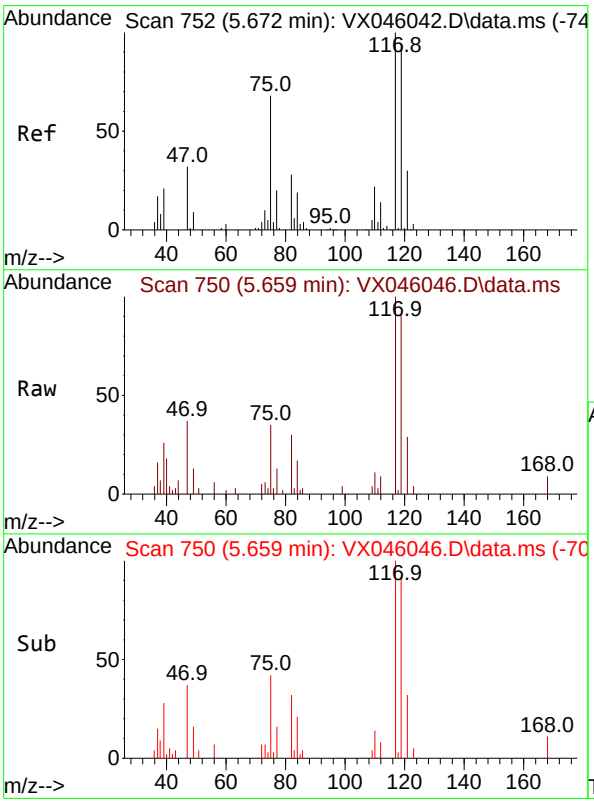
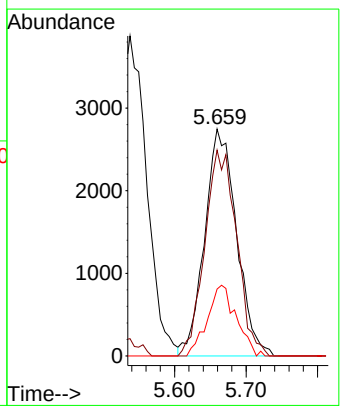
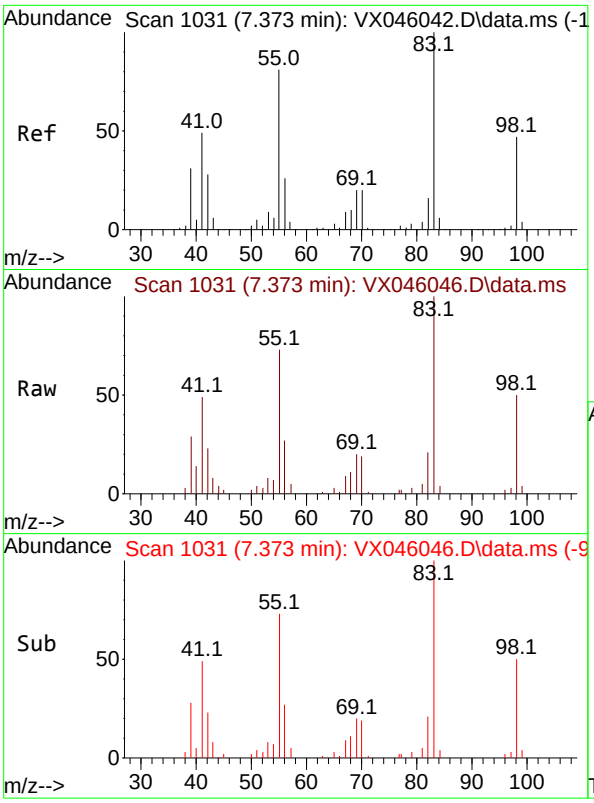


#38
Carbon Tetrachloride
Concen: 3.376 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:117 Resp: 8505

Ion	Ratio	Lower	Upper
117	100		
119	90.6	75.2	112.8
121	29.5	24.2	36.4

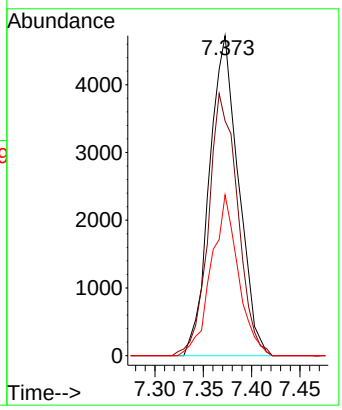




#39
Methylcyclohexane
Concen: 3.597 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 83 Resp: 988

Ion	Ratio	Lower	Upper
83	100		
55	73.3	64.7	97.1
98	50.3	37.4	56.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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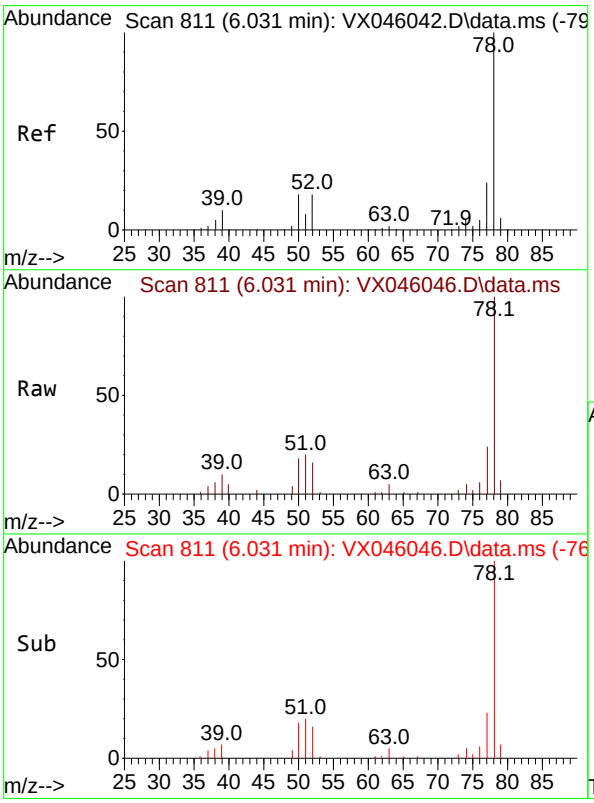
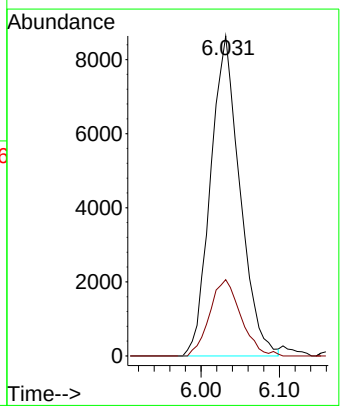
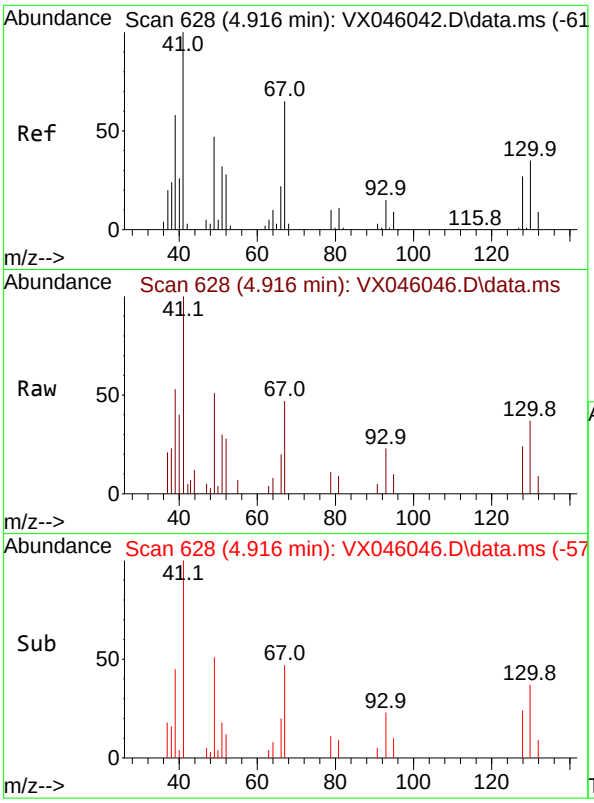


#40
Benzene
Concen: 3.315 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 78 Resp: 22528

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4

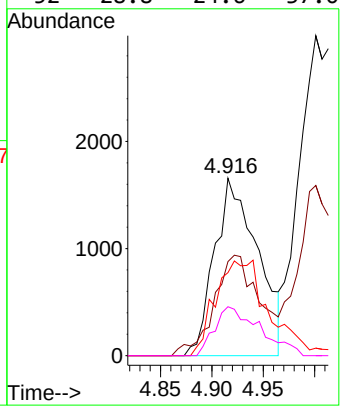




#41
Methacrylonitrile
Concen: 3.174 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 41 Resp: 485

Ion	Ratio	Lower	Upper
41	100		
39	59.7	47.2	70.8
67	0.0	50.7	76.1#
52	28.8	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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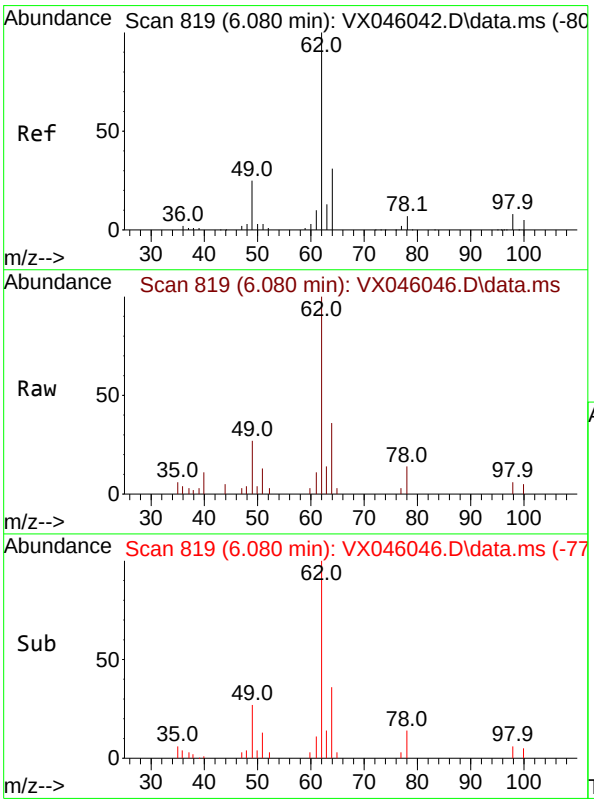
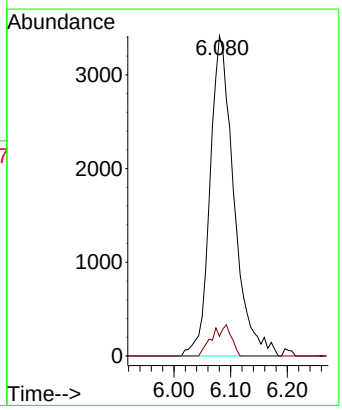
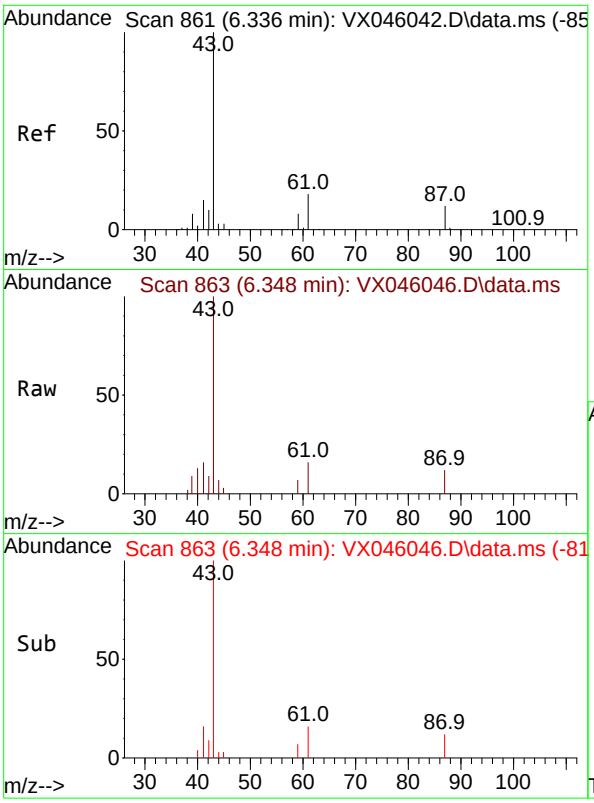


#42
1,2-Dichloroethane
Concen: 3.563 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 62 Resp: 10011

Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.2





#43
Isopropyl Acetate
Concen: 3.309 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 1391

Ion	Ratio	Lower	Upper
43	100		
61	16.2	14.3	21.5
87	10.6	9.5	14.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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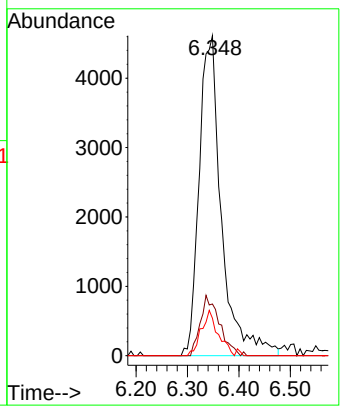
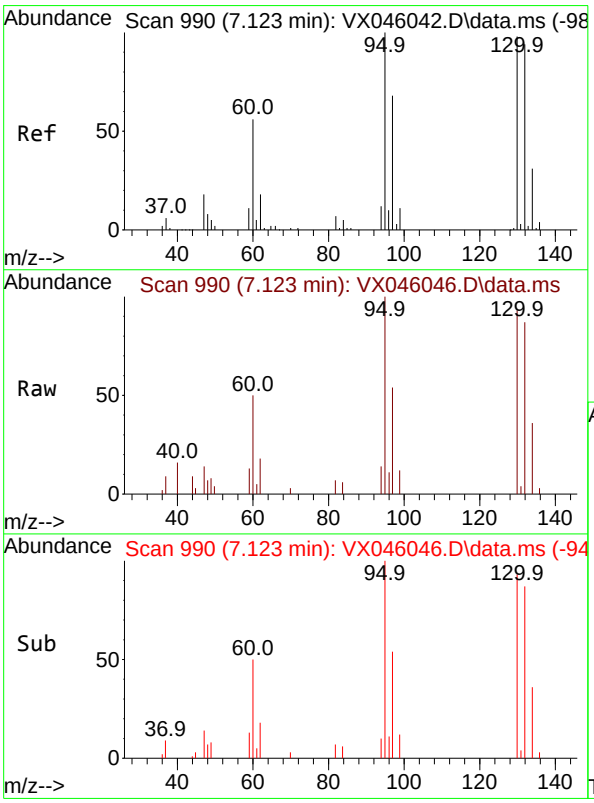
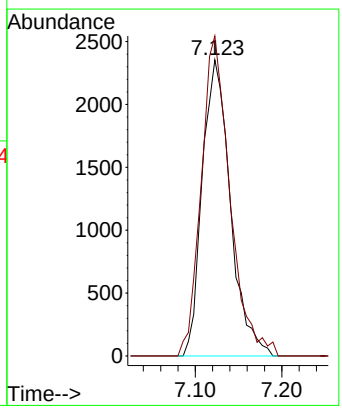


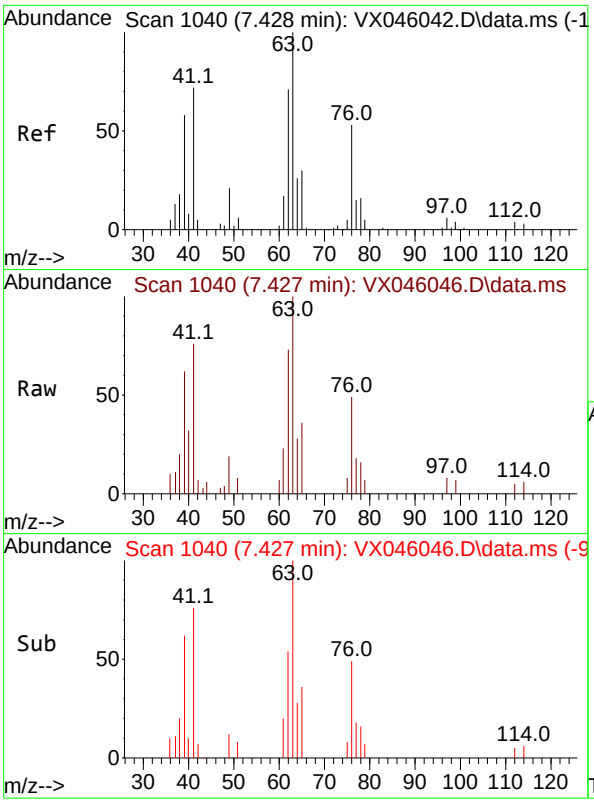


#44
Trichloroethene
Concen: 3.307 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:130 Resp: 5313

Ion	Ratio	Lower	Upper
130	100		
95	108.1	0.0	204.2





#45
1,2-Dichloropropane
Concen: 3.228 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 63 Resp: 545

Ion	Ratio	Lower	Upper
63	100		
65	36.2	24.1	36.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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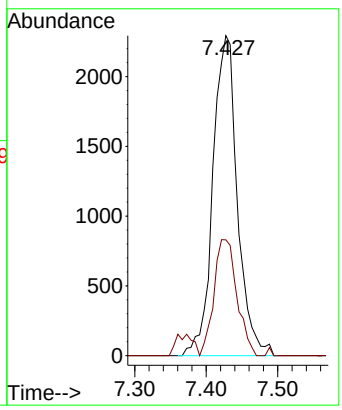
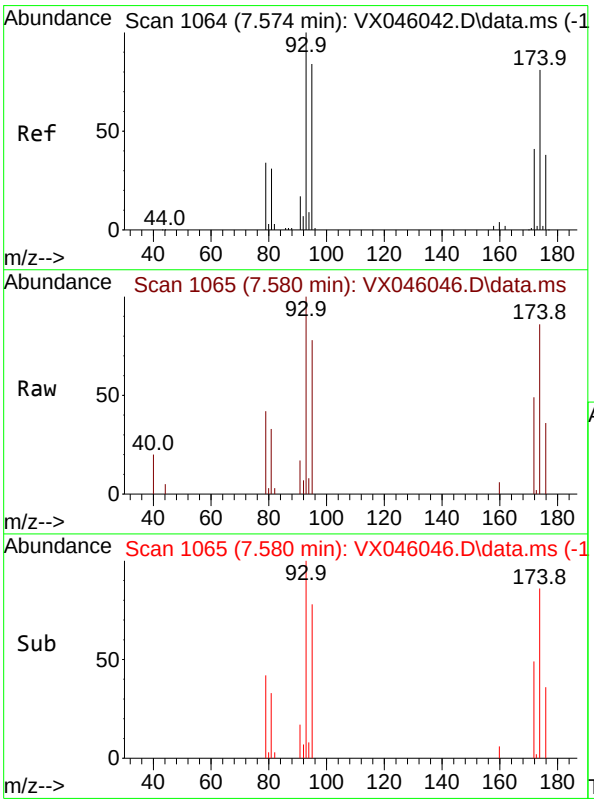
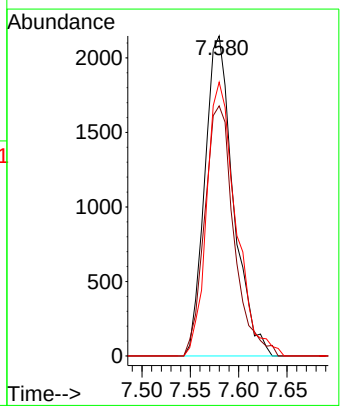


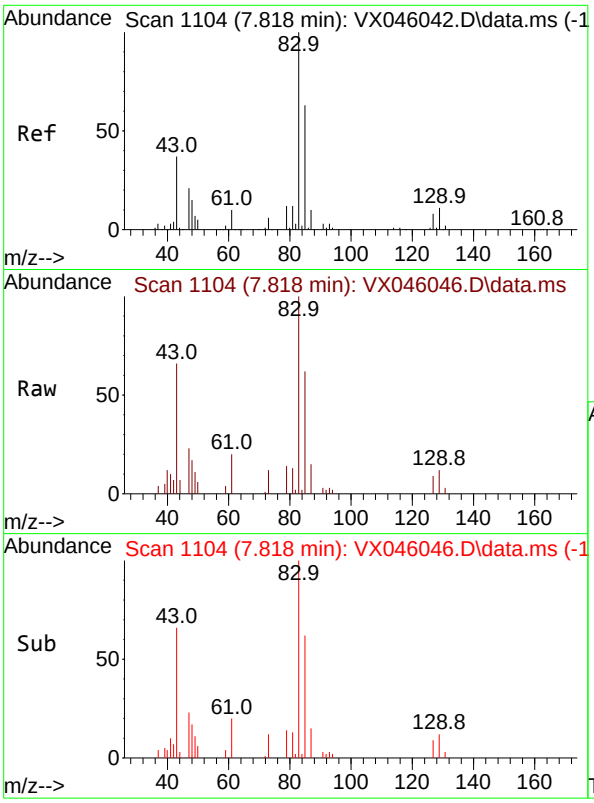


#46
Dibromomethane
Concen: 3.318 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 93 Resp: 4417

Ion	Ratio	Lower	Upper
93	100		
95	80.1	65.6	98.4
174	87.6	68.2	102.2

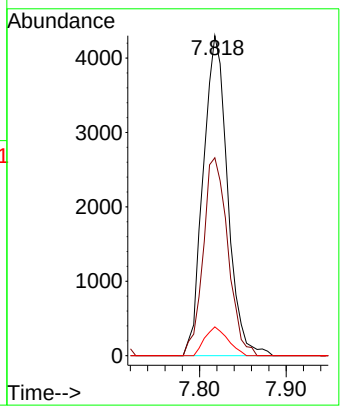




#47
Bromodichloromethane
Concen: 3.254 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 83 Resp: 839

Ion	Ratio	Lower	Upper
83	100		
85	61.9	50.5	75.7
127	9.0	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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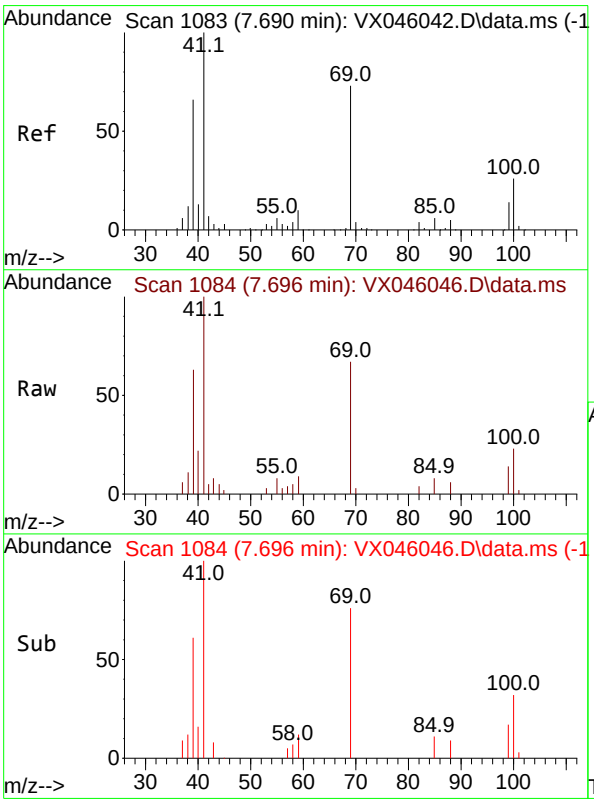
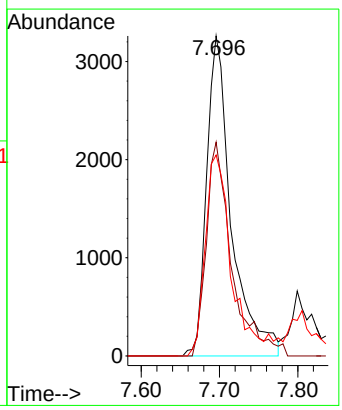
Supervised By :Mahesh Dadoda 05/06/2025

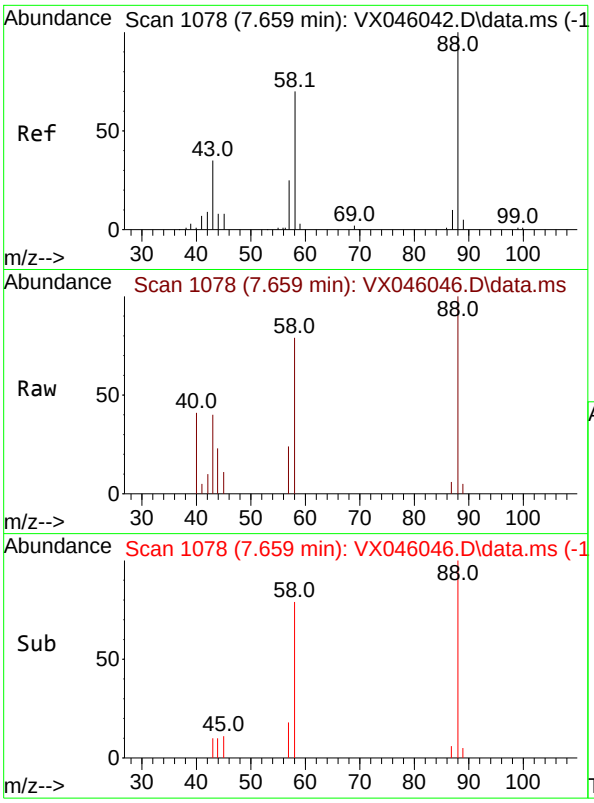


#48
Methyl methacrylate
Concen: 3.321 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 41 Resp: 7171

Ion	Ratio	Lower	Upper
41	100		
69	68.4	58.5	87.7
39	65.1	51.7	77.5

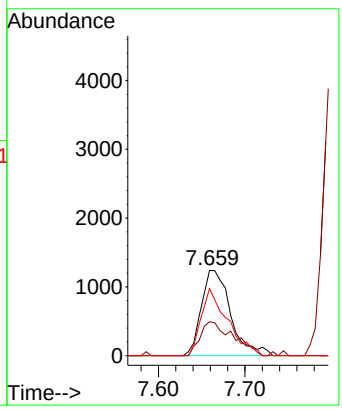




#49
1,4-Dioxane
Concen: 67.721 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 88 Resp: 290

Ion	Ratio	Lower	Upper
88	100		
43	45.3	33.4	50.2
58	71.0	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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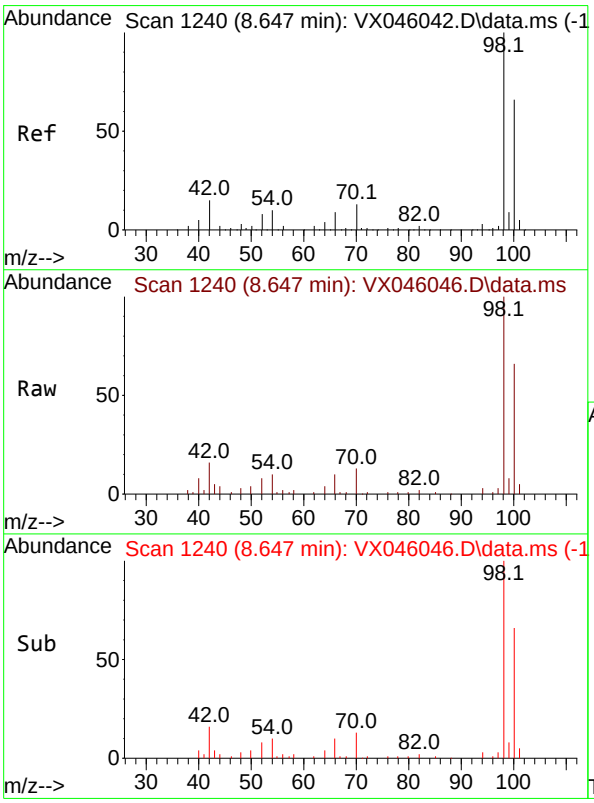
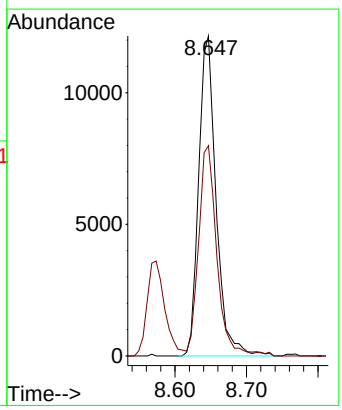
Supervised By :Mahesh Dadoda 05/06/2025

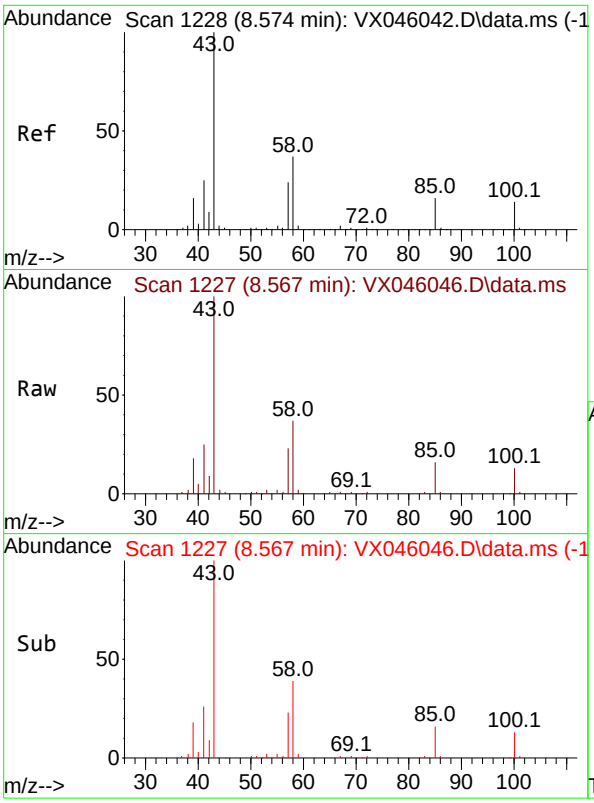


#50
Toluene-d8
Concen: 3.232 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 98 Resp: 20566

Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.5	80.3





#51
4-Methyl-2-Pentanone
Concen: 16.967 ug/l
RT: 8.567 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

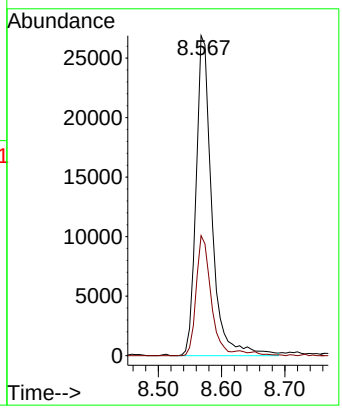
Tgt Ion: 43 Resp: 4679

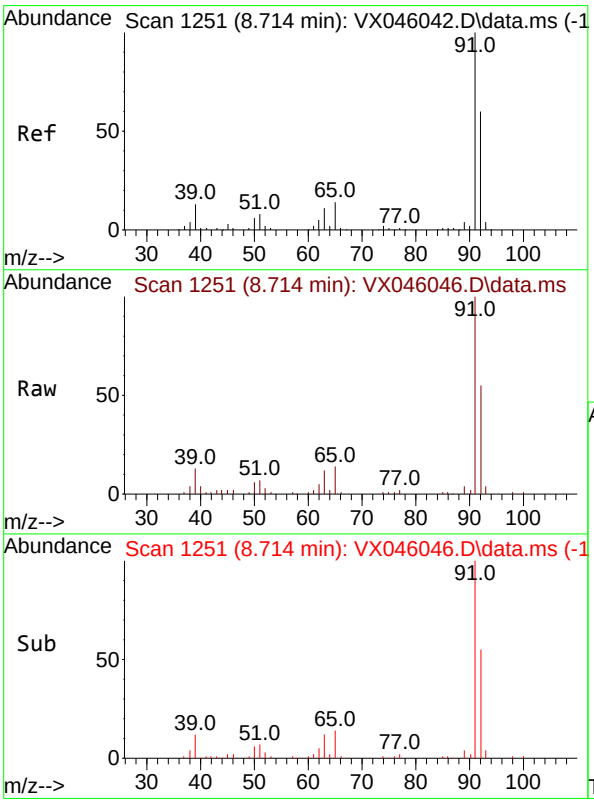
Ion	Ratio	Lower	Upper
43	100		
58	34.8	28.9	43.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

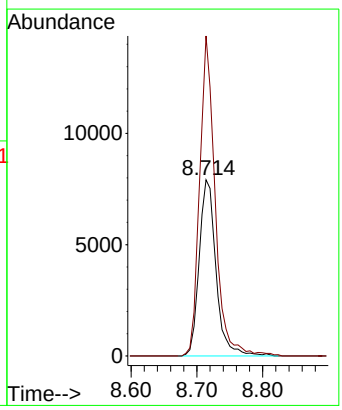


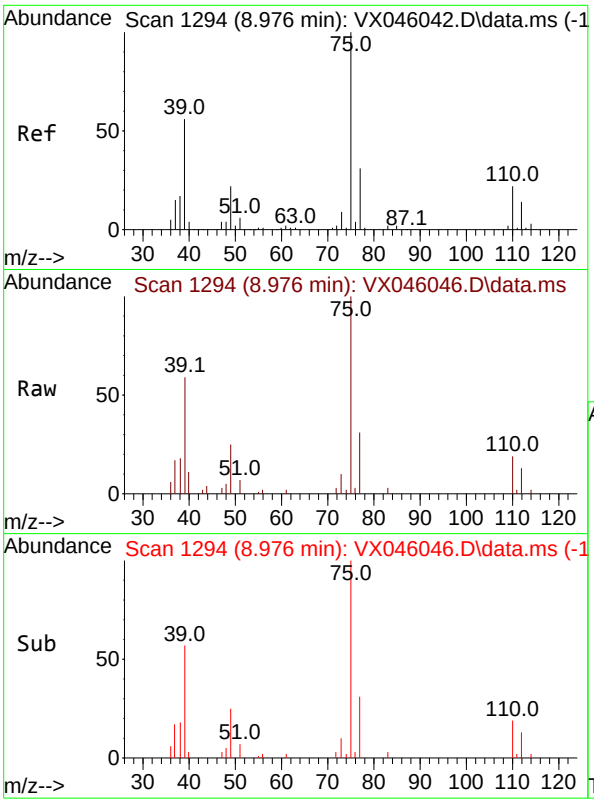


#52
Toluene
Concen: 3.505 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 92 Resp: 14126

Ion	Ratio	Lower	Upper
92	100		
91	167.2	136.6	205.0

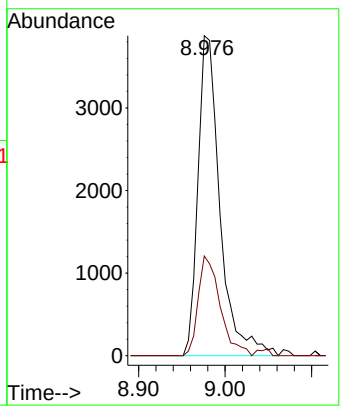




#53
t-1,3-Dichloropropene
Concen: 3.155 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 75 Resp: 683

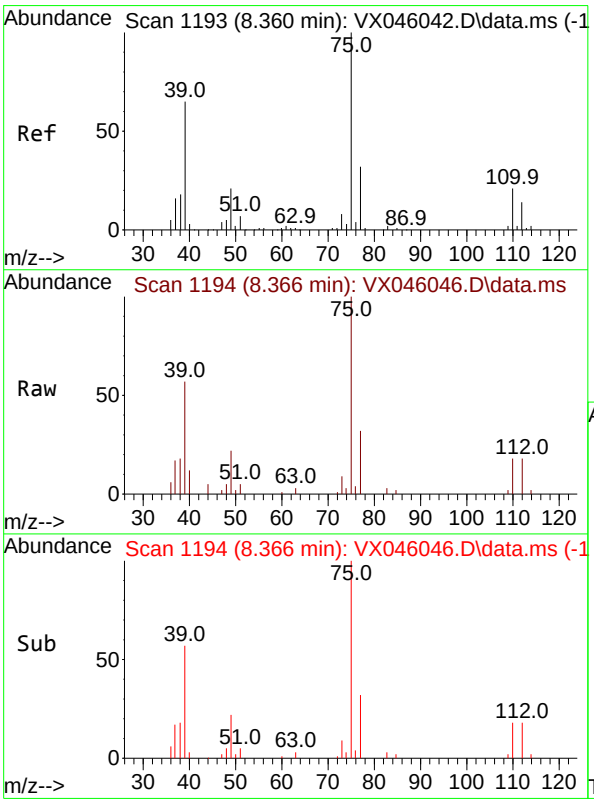
Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

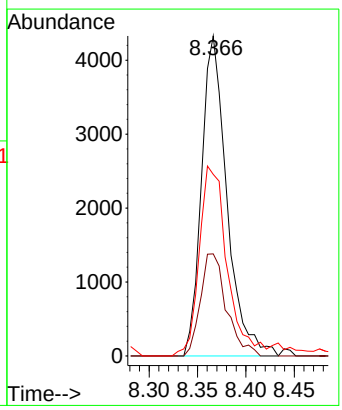
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

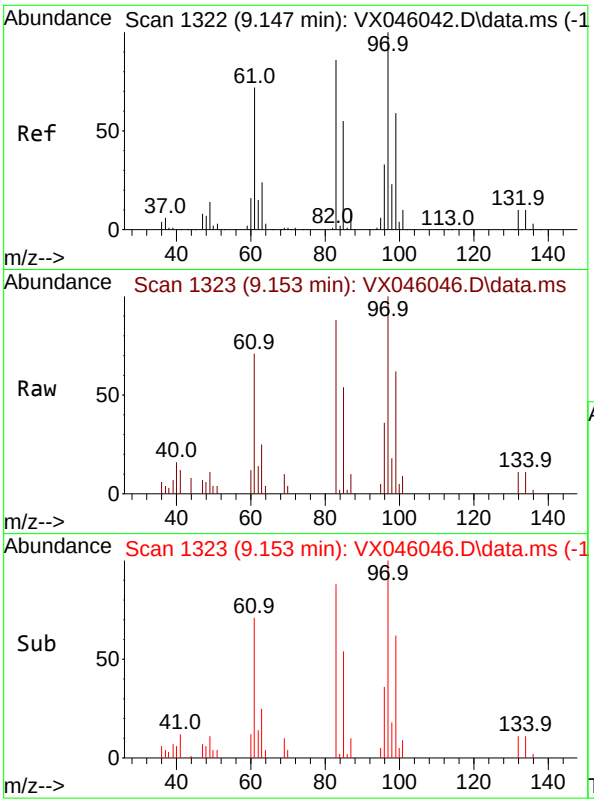


#54
cis-1,3-Dichloropropene
Concen: 3.129 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 75 Resp: 7908

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.0
39	55.3	52.2	78.4

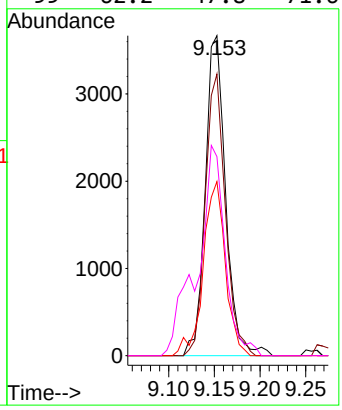




#55
1,1,2-Trichloroethane
Concen: 3.490 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 97 Resp: 568

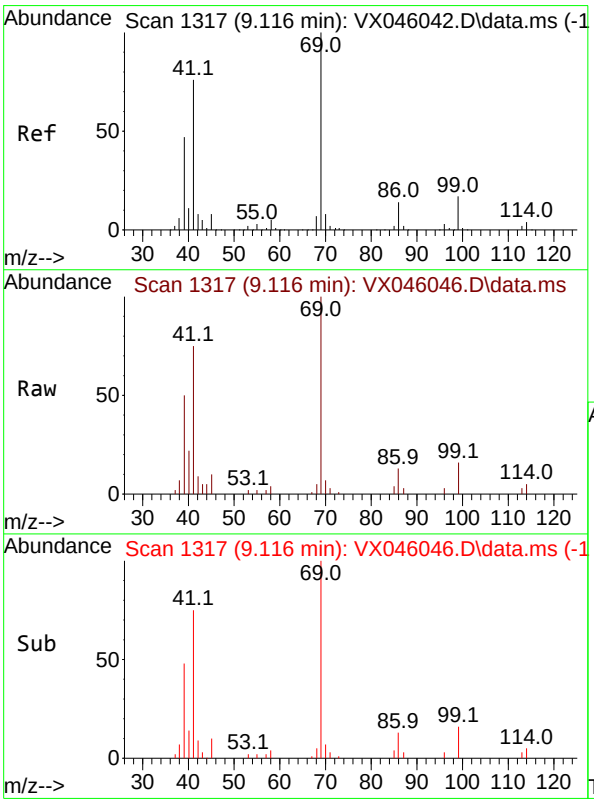
Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.0	103.6
85	54.4	44.3	66.5
99	62.2	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

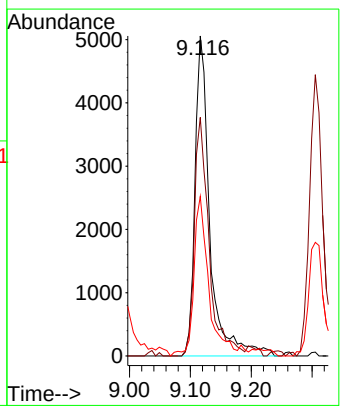
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

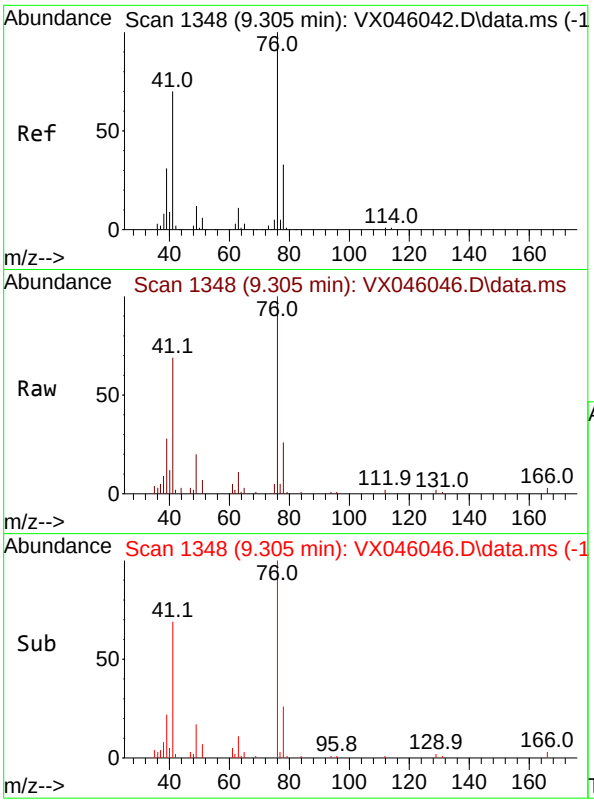


#56
Ethyl methacrylate
Concen: 3.390 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 69 Resp: 8555

Ion	Ratio	Lower	Upper
69	100		
41	73.7	60.8	91.2
39	49.3	39.0	58.6





#57
1,3-Dichloropropane
Concen: 3.508 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 76 Resp: 1012

Ion	Ratio	Lower	Upper
76	100		
78	29.5	26.3	39.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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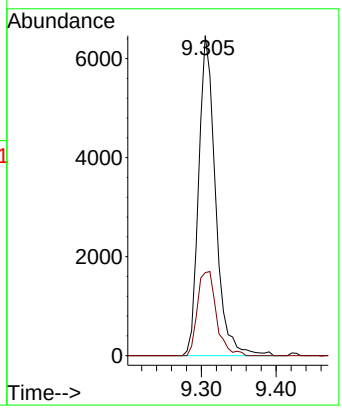
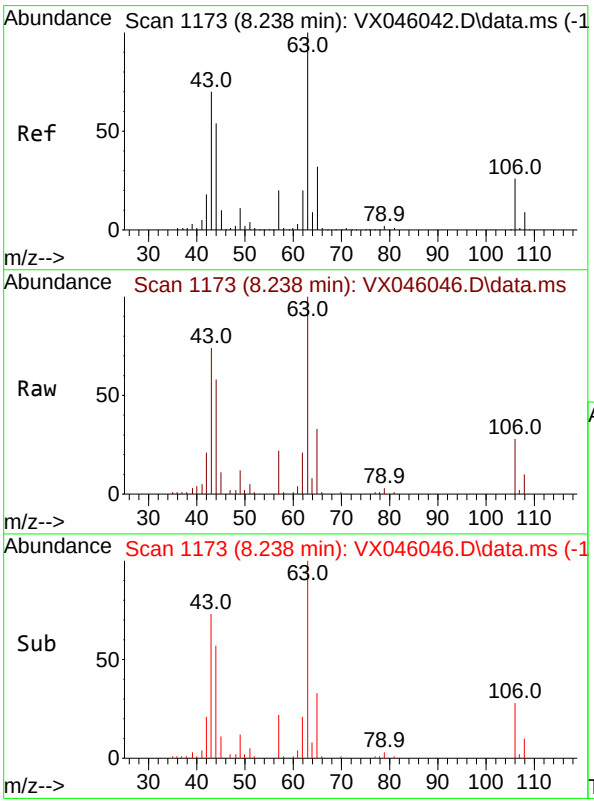
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

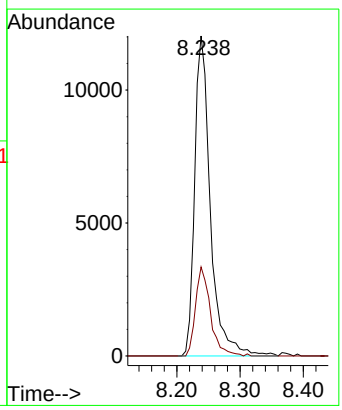


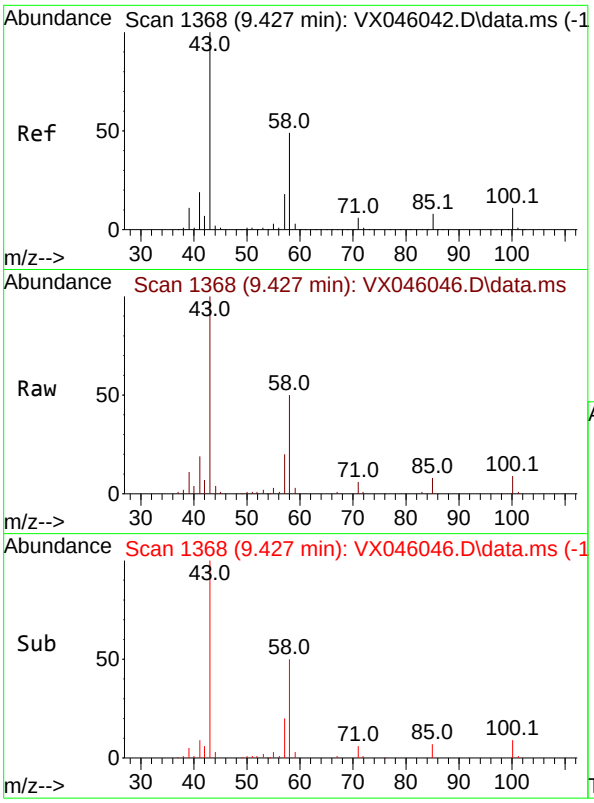


#58
2-Chloroethyl Vinyl ether
Concen: 18.346 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 63 Resp: 20809

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.5	32.3





#59
2-Hexanone
Concen: 16.651 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 3485

Ion	Ratio	Lower	Upper
43	100		
58	47.5	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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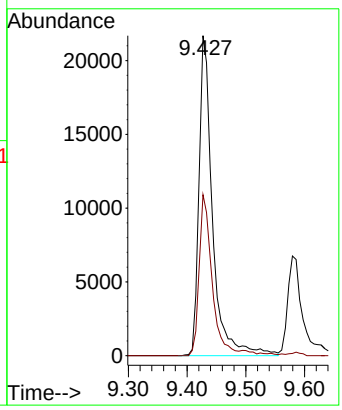
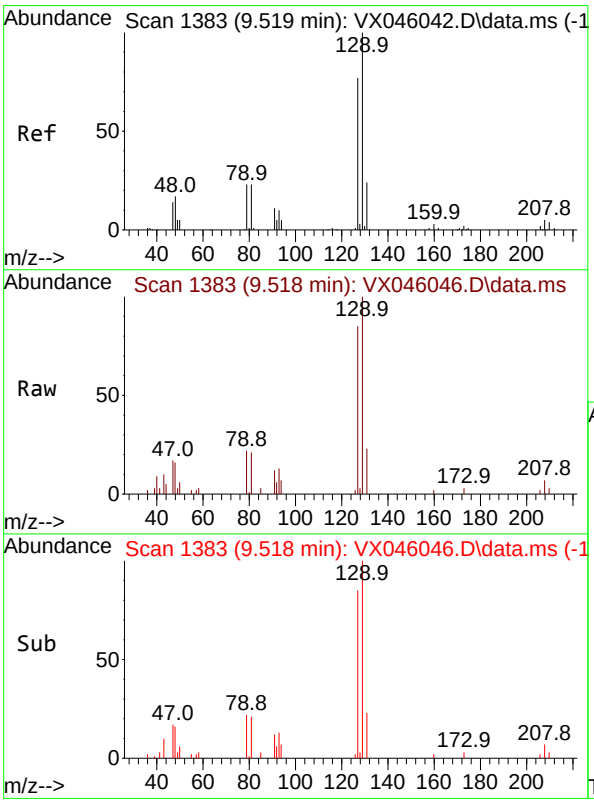
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

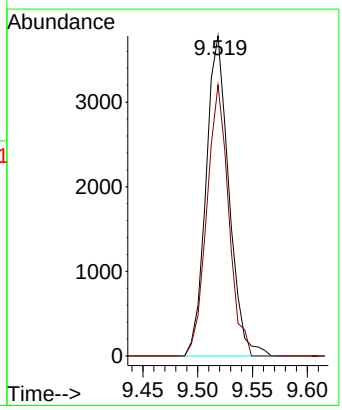


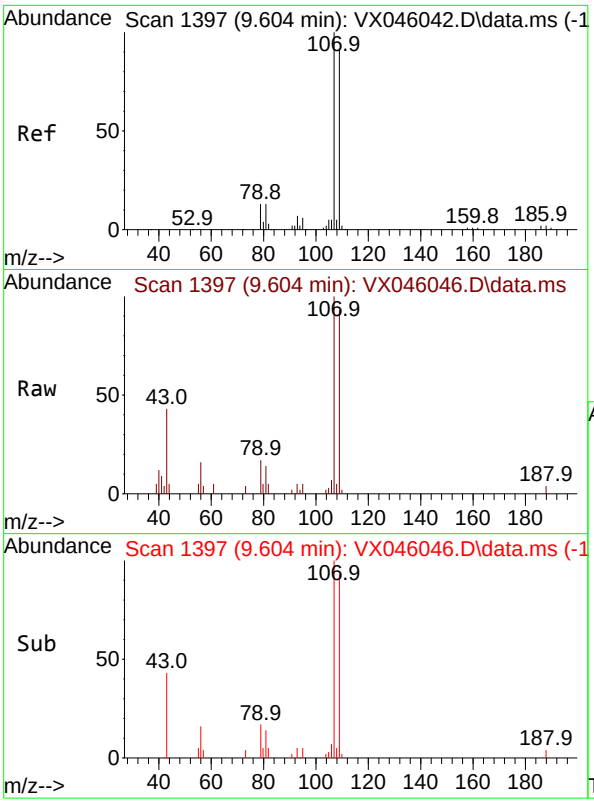


#60
Dibromochloromethane
Concen: 3.102 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:129 Resp: 5500

Ion	Ratio	Lower	Upper
129	100		
127	80.4	39.3	117.8

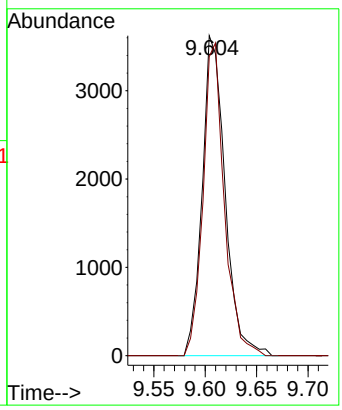




#61
1,2-Dibromoethane
Concen: 3.356 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:107 Resp: 561

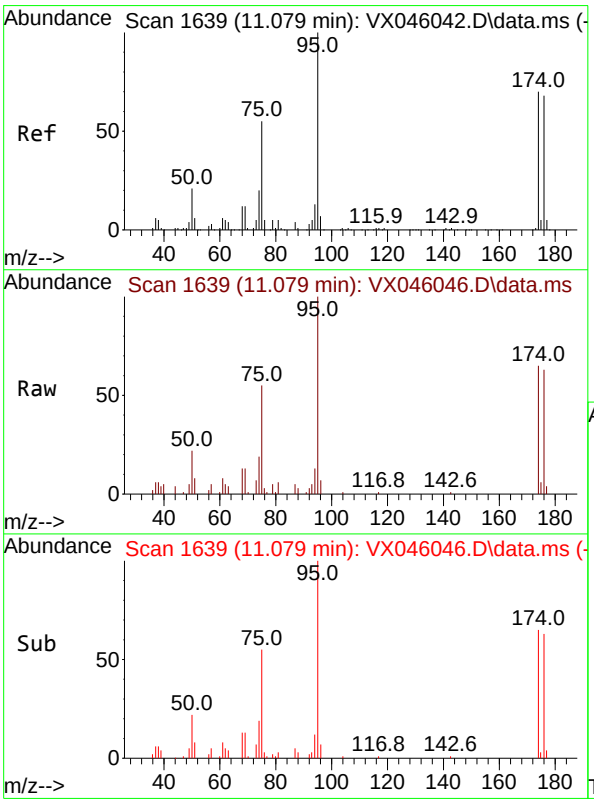
Ion	Ratio	Lower	Upper
107	100		
109	91.0	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

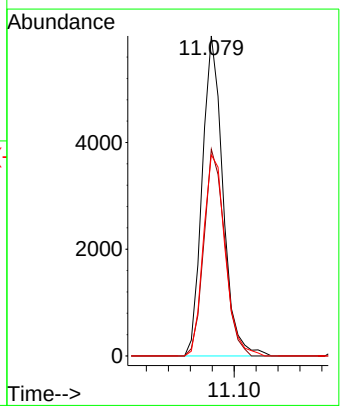
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

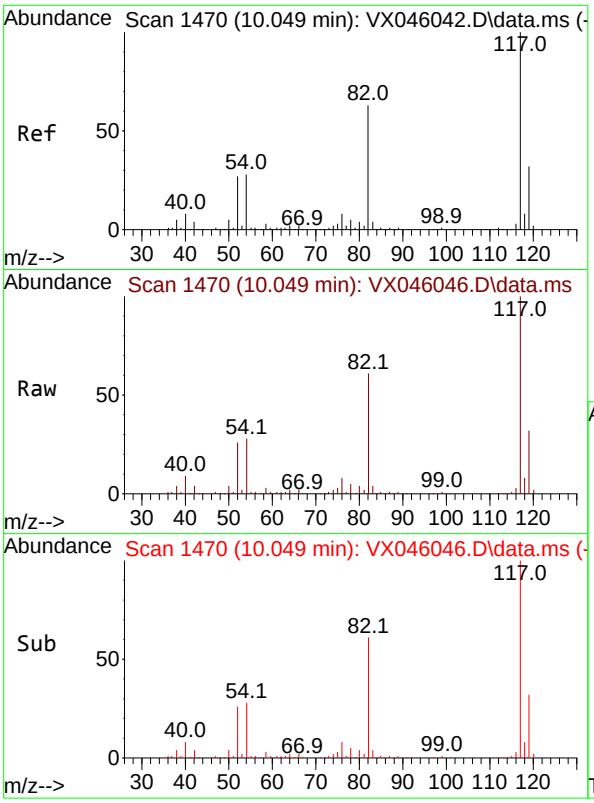


#62
4-Bromofluorobenzene
Concen: 3.378 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 95 Resp: 7822

Ion	Ratio	Lower	Upper
95	100		
174	65.0	0.0	135.8
176	66.6	0.0	131.4

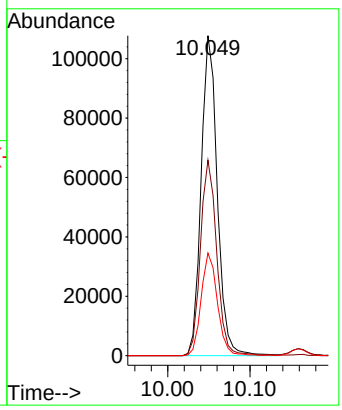




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:117 Resp: 14716

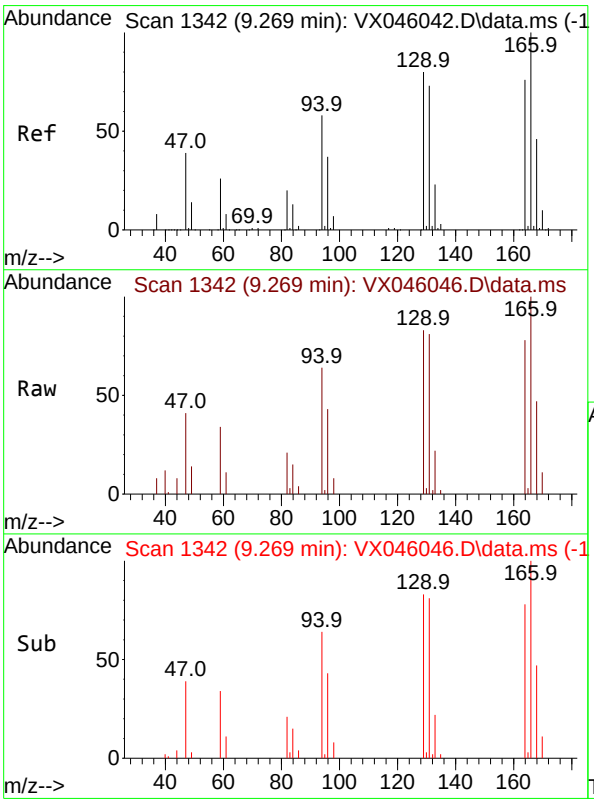
Ion	Ratio	Lower	Upper
117	100		
82	61.1	50.6	76.0
119	32.1	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

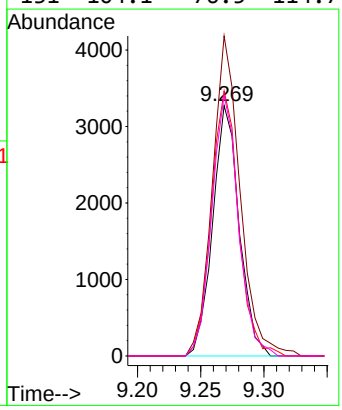
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

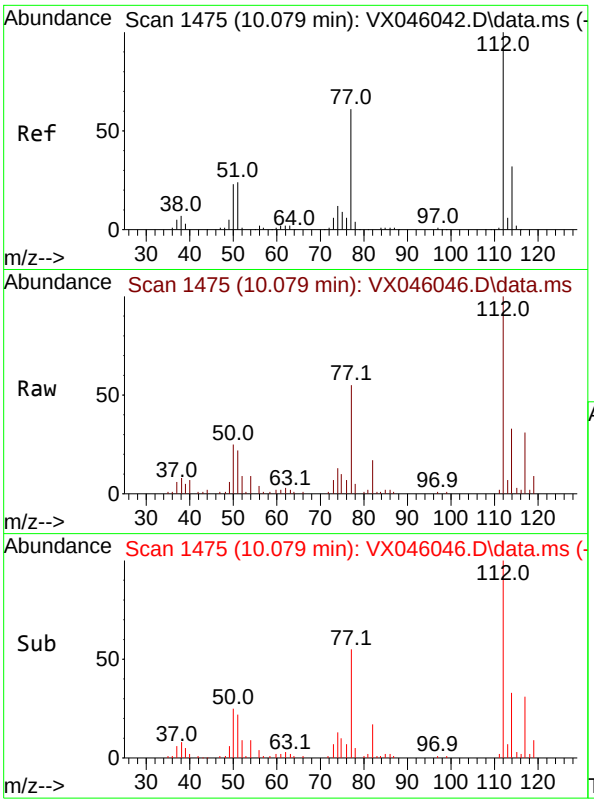


#64
Tetrachloroethene
Concen: 3.162 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:164 Resp: 4752

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





#65
Chlorobenzene
Concen: 3.399 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

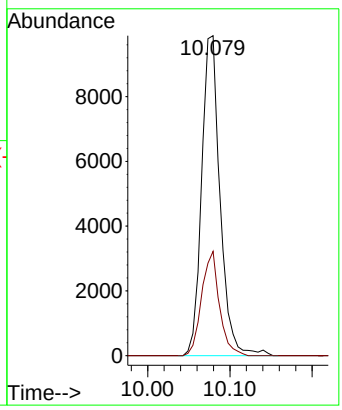
Tgt Ion:112 Resp: 1539

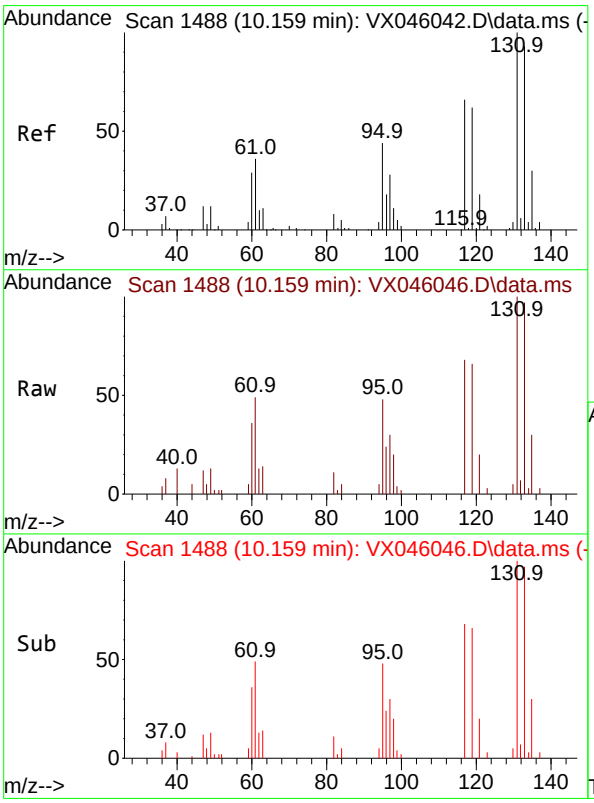
Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

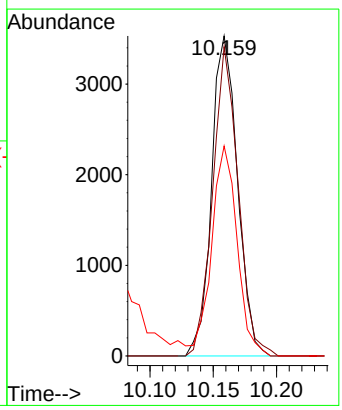


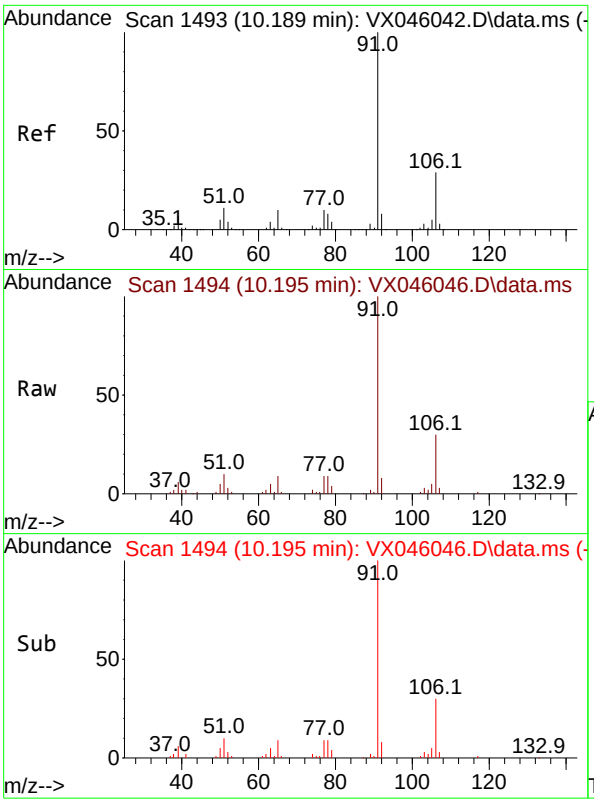


#66
1,1,1,2-Tetrachloroethane
Concen: 3.326 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:131 Resp: 5024

Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.3	141.9
119	64.8	31.6	95.0





#67
Ethyl Benzene
Concen: 3.463 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 91 Resp: 2673

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.4	35.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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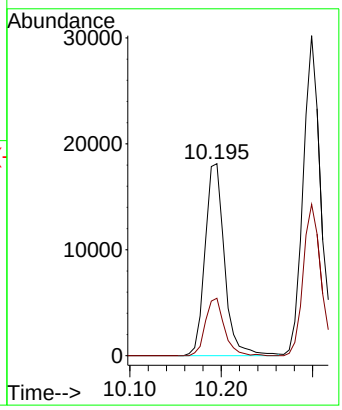
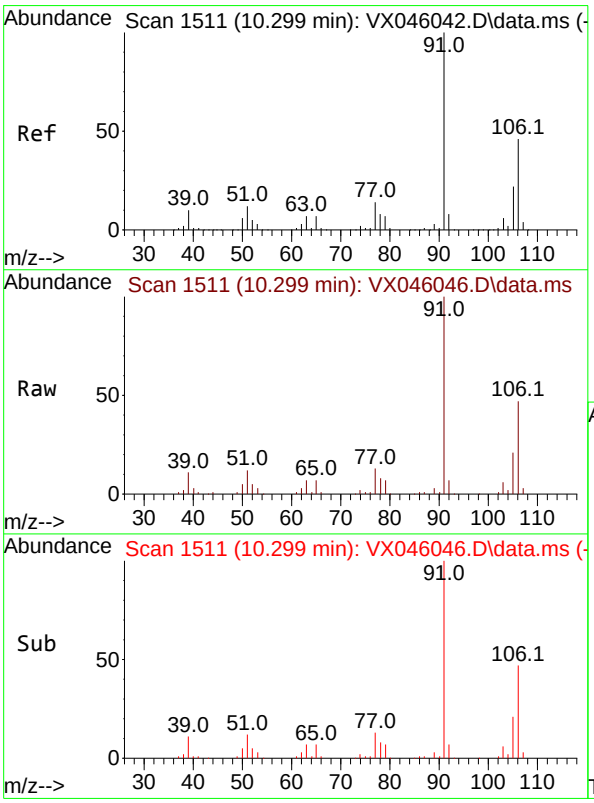
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

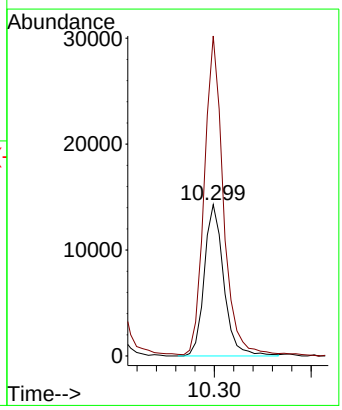


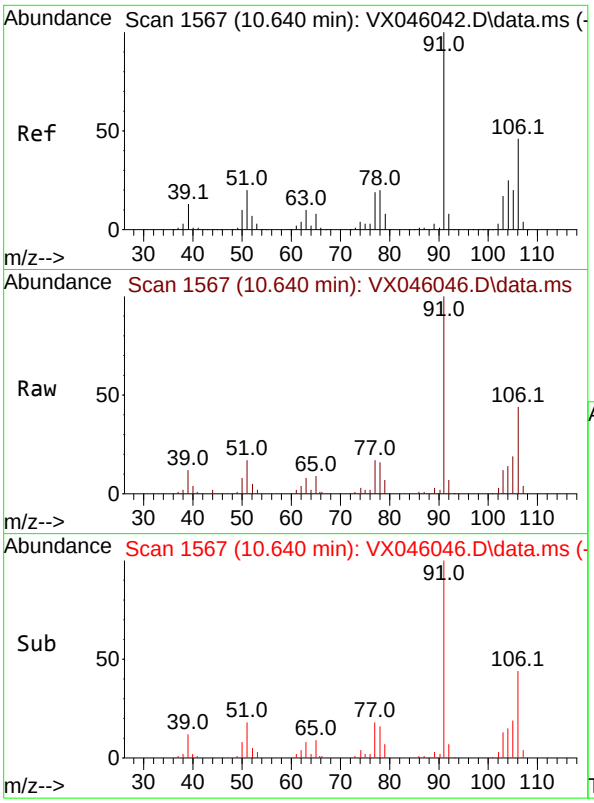


#68
m/p-Xylenes
Concen: 7.156 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:106 Resp: 19957

Ion	Ratio	Lower	Upper
106	100		
91	210.1	171.2	256.8

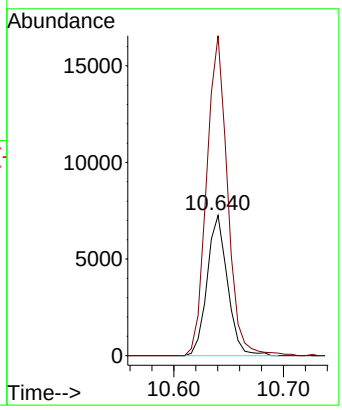




#69
o-Xylene
Concen: 3.343 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:106 Resp: 939

Ion	Ratio	Lower	Upper
106	100		
91	233.6	112.7	338.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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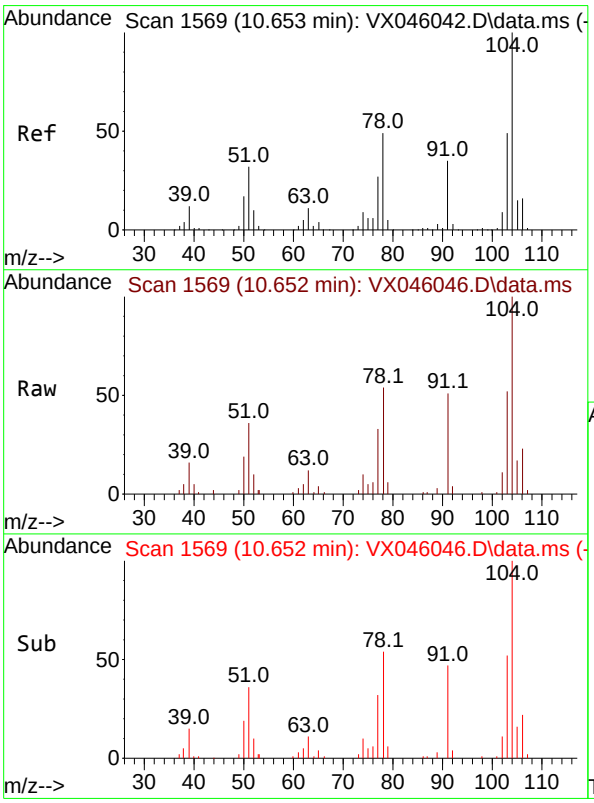
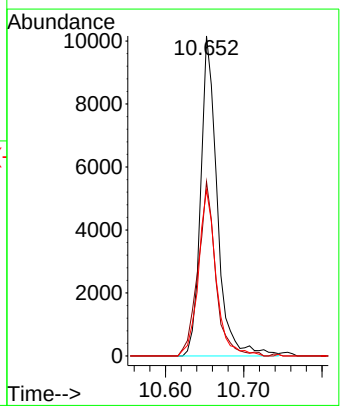
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

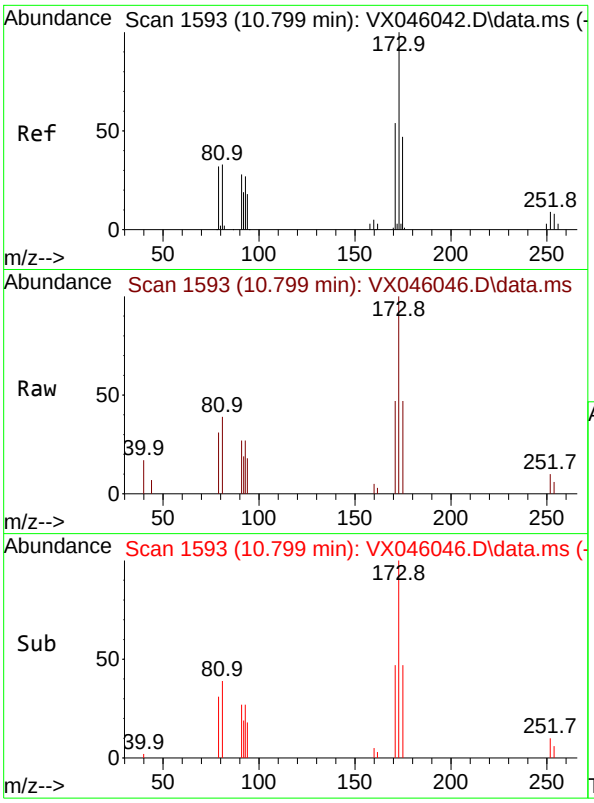


#70
Styrene
Concen: 3.312 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:104 Resp: 14900

Ion	Ratio	Lower	Upper
104	100		
78	57.9	45.7	68.5
103	55.6	43.7	65.5





#71
Bromoform
Concen: 3.059 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:173 Resp: 347

Ion	Ratio	Lower	Upper
173	100		
175	45.8	23.4	70.0
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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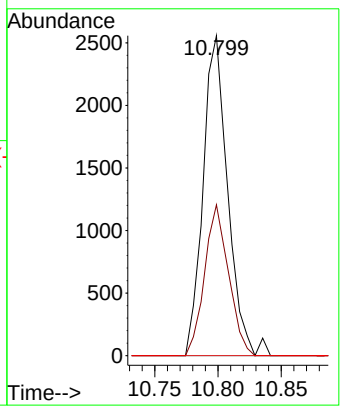
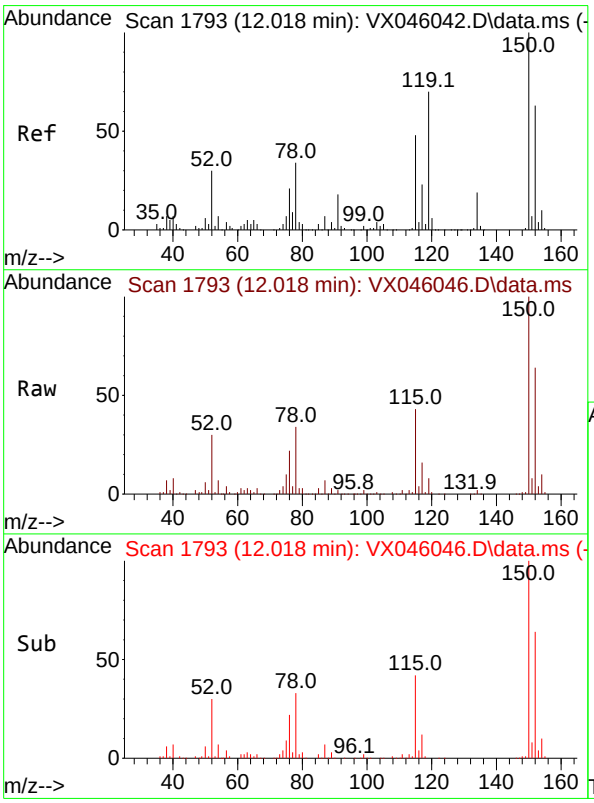
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

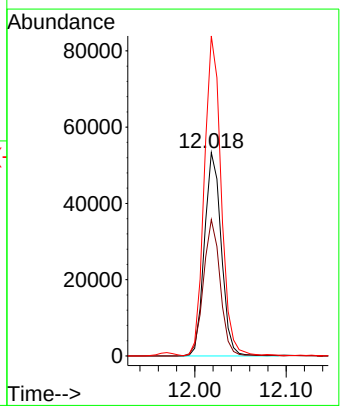


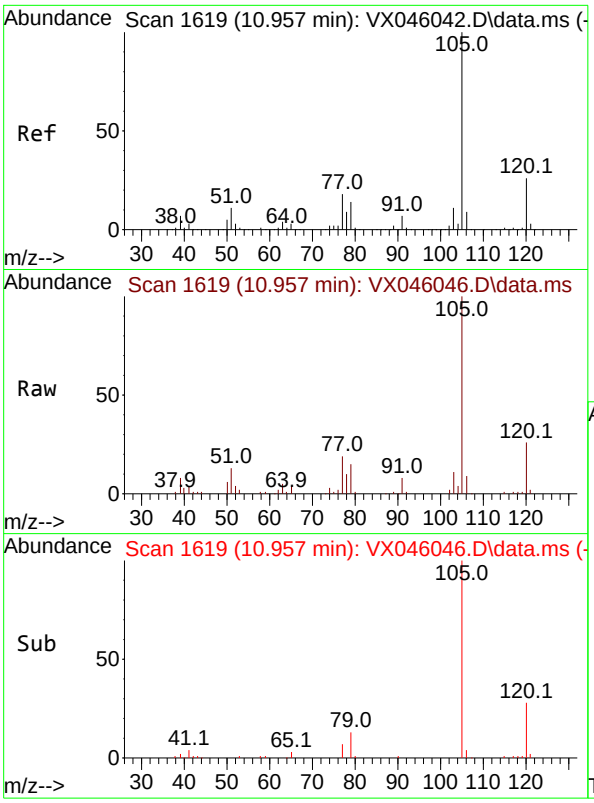


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:152 Resp: 67939

Ion	Ratio	Lower	Upper
152	100		
115	66.8	46.9	140.7
150	157.5	0.0	351.0





#73
Isopropylbenzene
Concen: 3.266 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:105 Resp: 2420

Ion	Ratio	Lower	Upper
105	100		
120	26.4	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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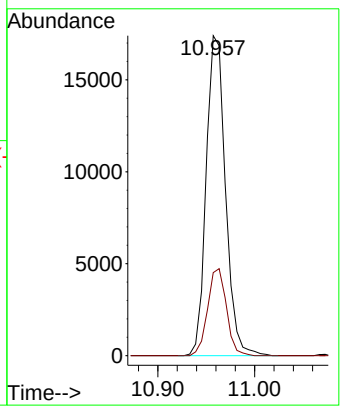
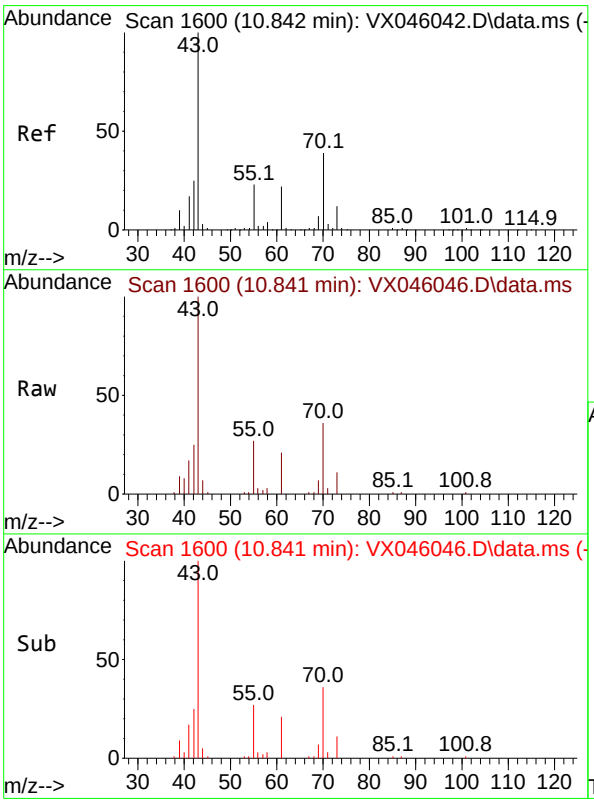
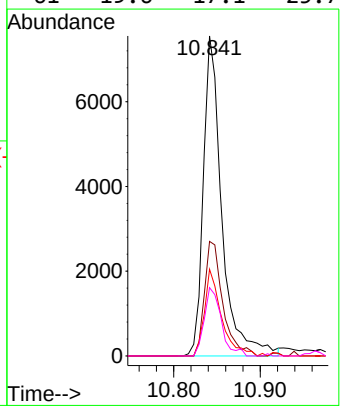


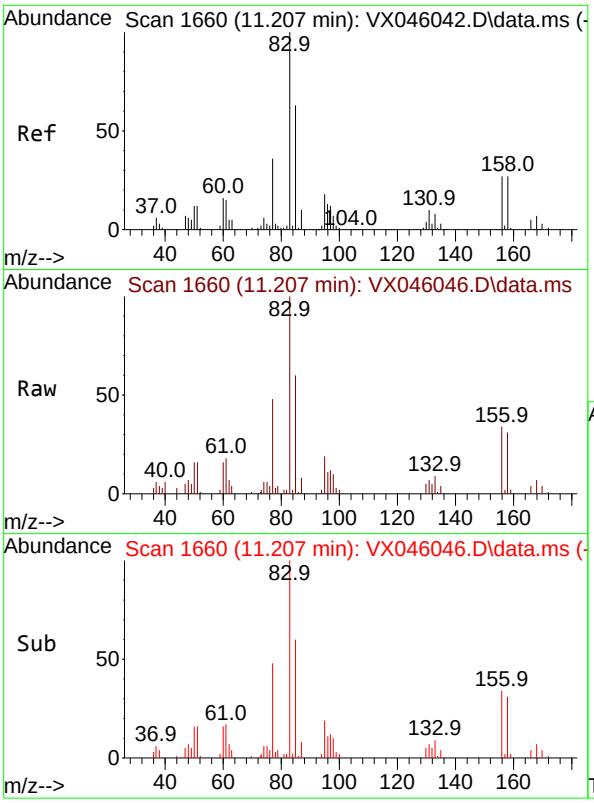


#74
N-amyl acetate
Concen: 3.038 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 11224

Ion	Ratio	Lower	Upper
43	100		
70	35.4	30.9	46.3
55	25.0	18.7	28.1
61	19.6	17.1	25.7





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

Tgt Ion: 83 Resp: 917

Ion	Ratio	Lower	Upper
83	100		
131	8.3	5.0	14.9
85	61.7	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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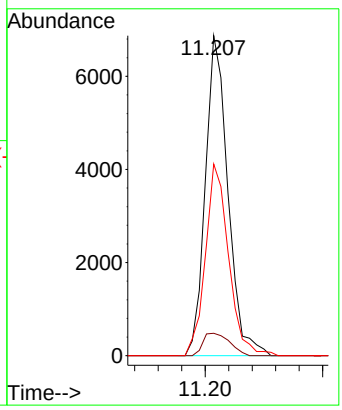
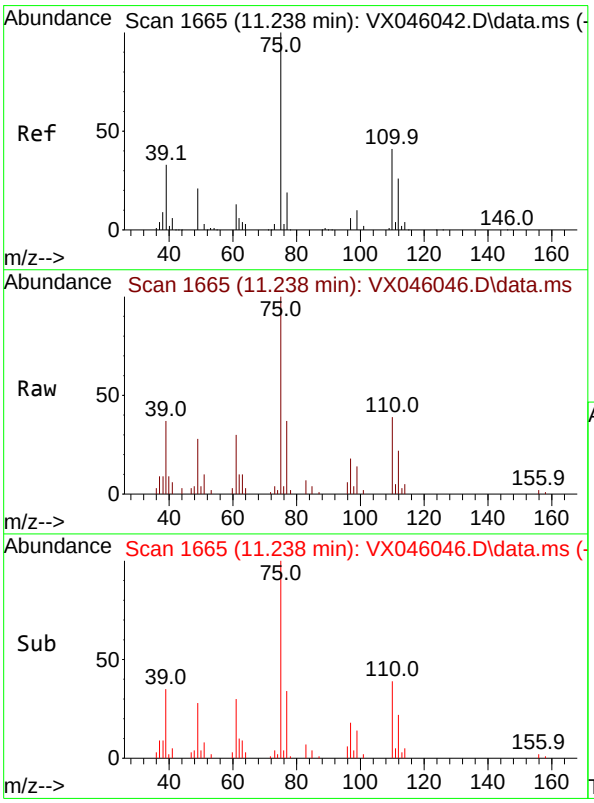
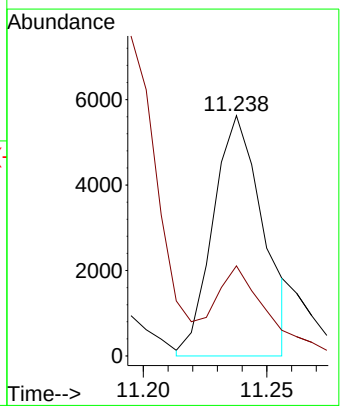


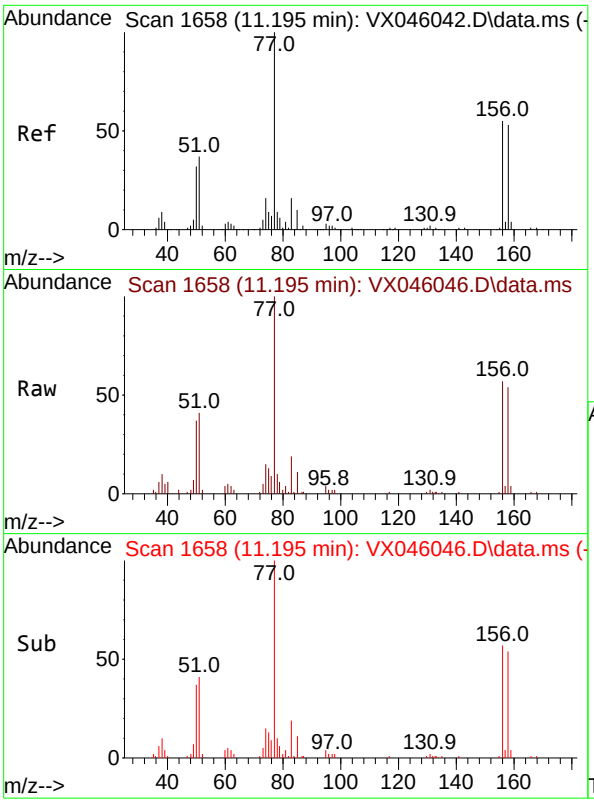


#76
1,2,3-Trichloropropane
Concen: 2.799 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 75 Resp: 7928

Ion	Ratio	Lower	Upper
75	100		
77	40.6	20.5	61.5





#77
Bromobenzene
Concen: 3.417 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:156 Resp: 585

Ion	Ratio	Lower	Upper
156	100		
77	177.0	92.8	278.3
158	97.7	48.8	146.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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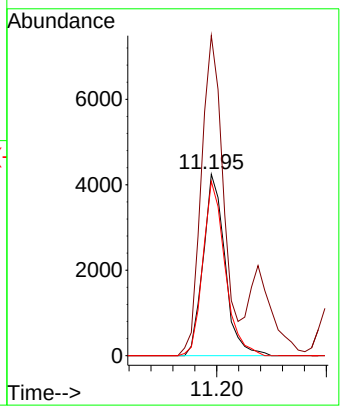
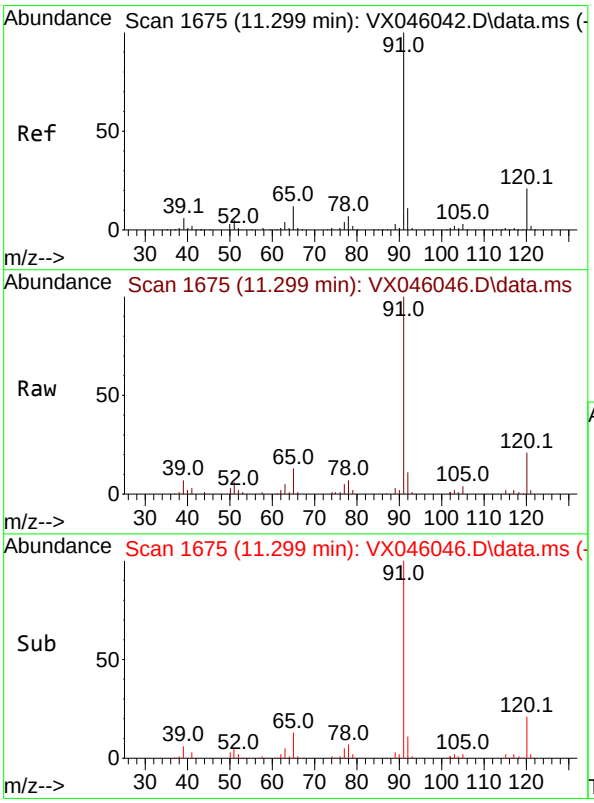
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

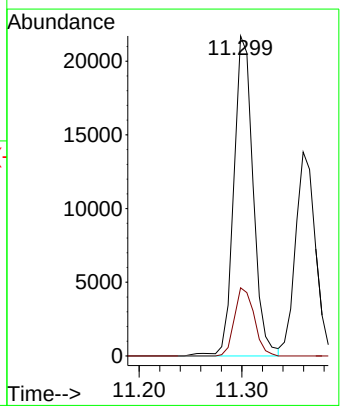


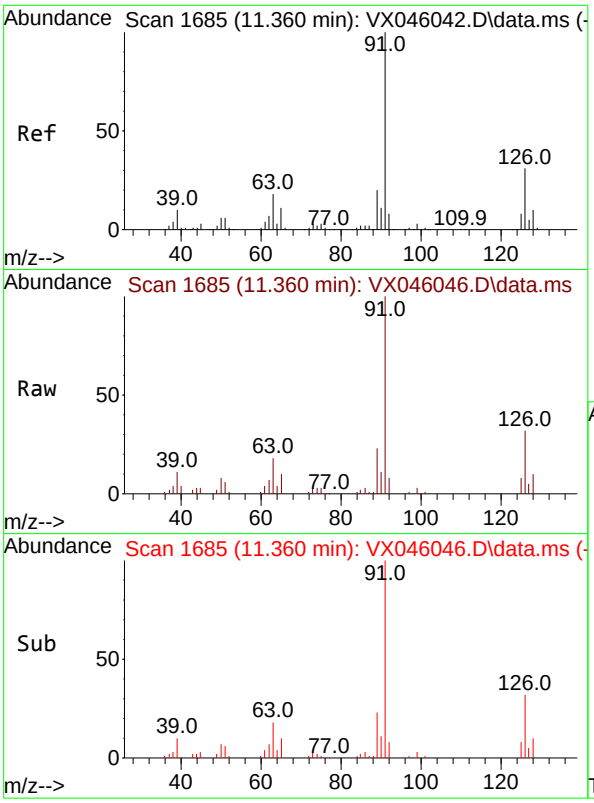


#78
n-propylbenzene
Concen: 3.424 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 91 Resp: 28436

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.4

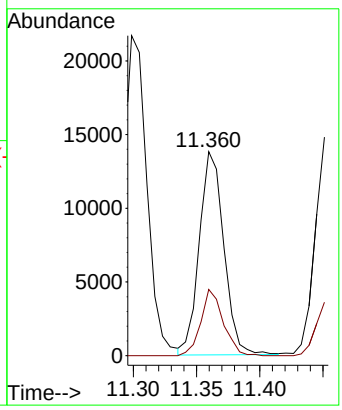




#79
2-Chlorotoluene
Concen: 3.336 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 91 Resp: 1867

Ion	Ratio	Lower	Upper
91	100		
126	29.7	15.6	46.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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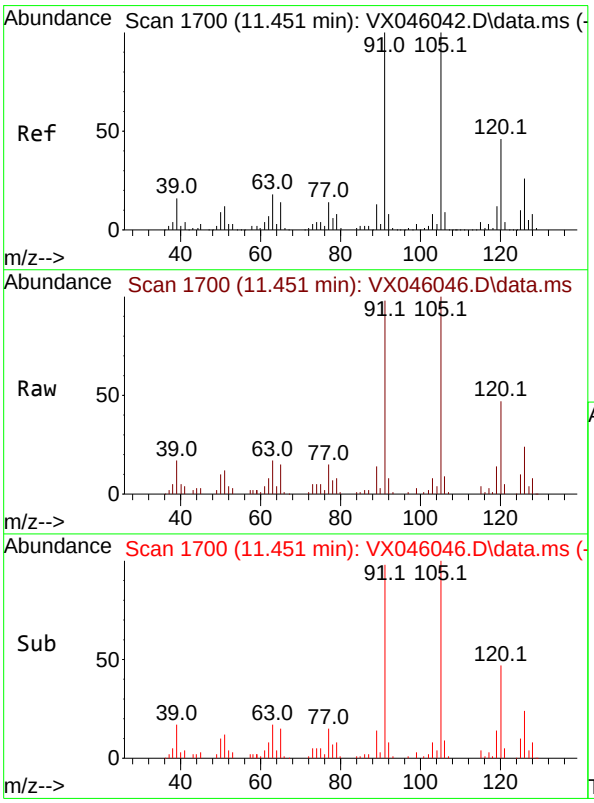
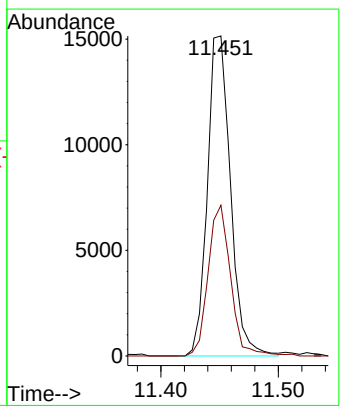
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

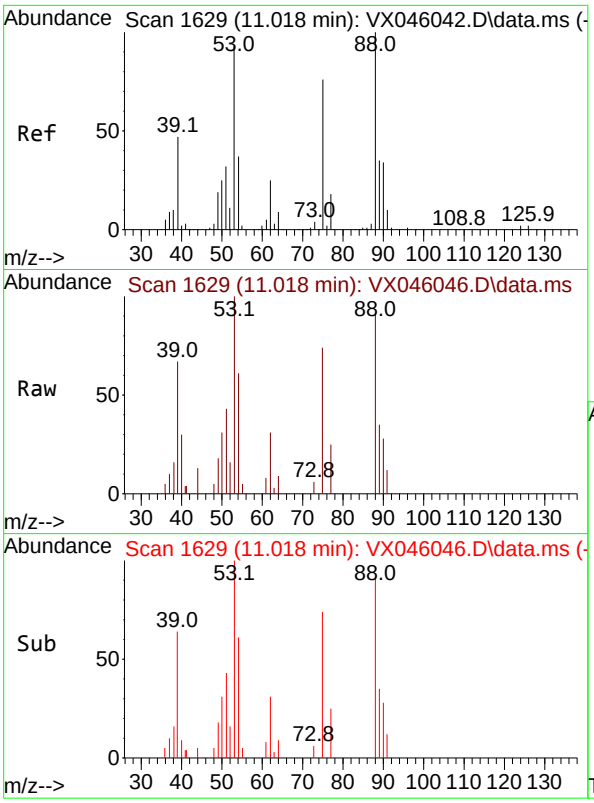


#80
1,3,5-Trimethylbenzene
Concen: 3.372 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:105 Resp: 20742

Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.1	69.2





#81
trans-1,4-Dichloro-2-butene
Concen: 2.686 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 75 Resp: 182

Ion	Ratio	Lower	Upper
75	100		
53	125.8	100.5	150.7
89	47.9	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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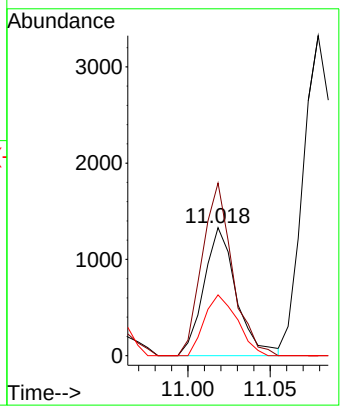
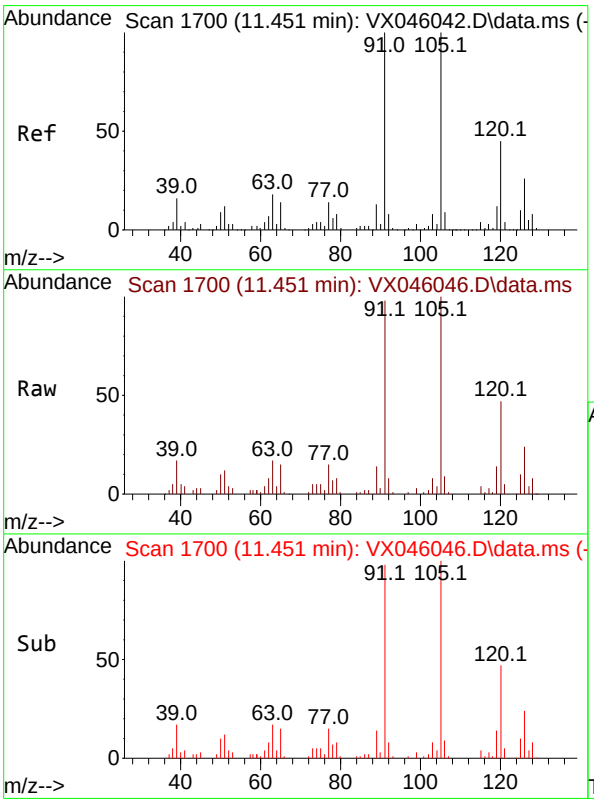
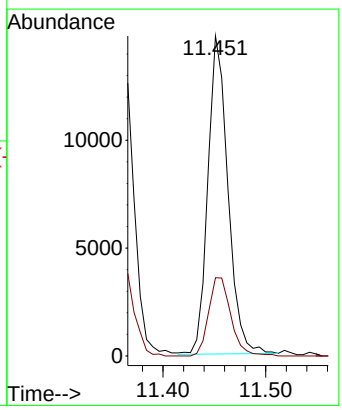


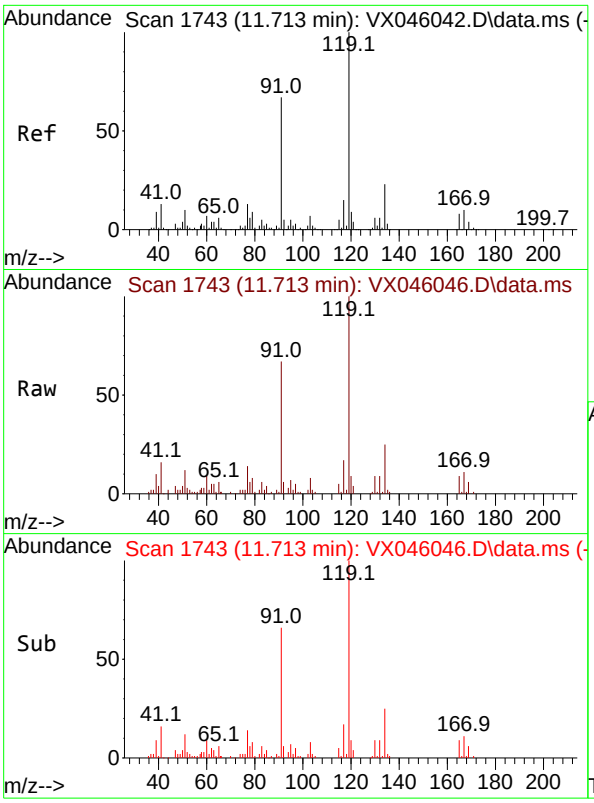


#82
4-Chlorotoluene
Concen: 3.245 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 91 Resp: 19966

Ion	Ratio	Lower	Upper
91	100		
126	27.3	13.3	39.8





#83
tert-Butylbenzene
Concen: 3.484 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:119 Resp: 2104

Ion	Ratio	Lower	Upper
119	100		
91	67.0	32.9	98.7
134	23.8	11.4	34.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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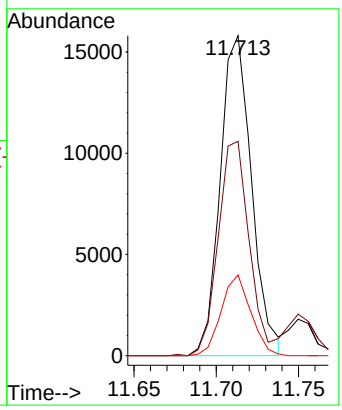
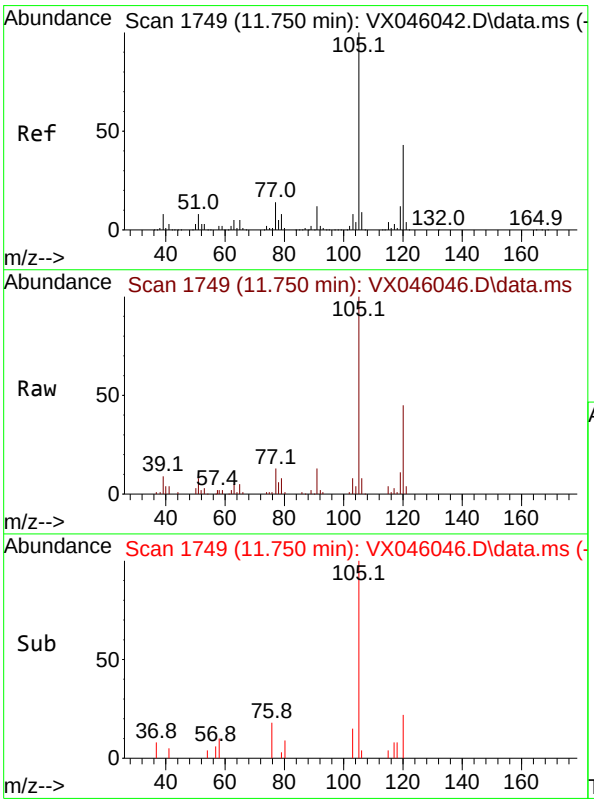
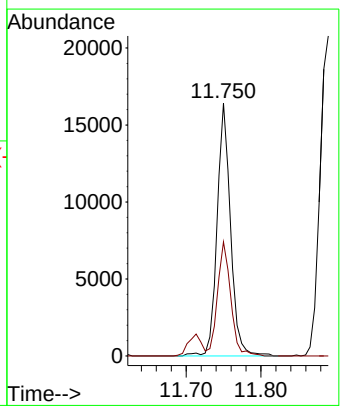


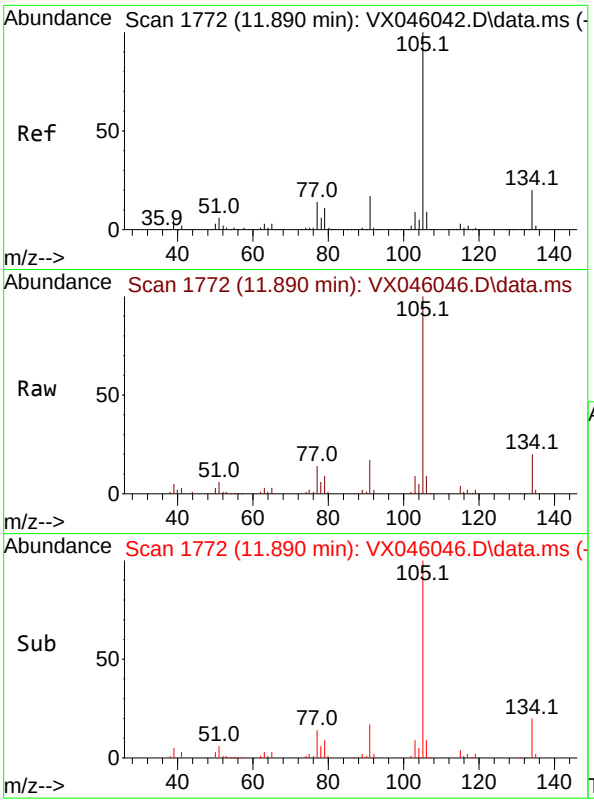


#84
1,2,4-Trimethylbenzene
Concen: 3.355 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:105 Resp: 20613

Ion	Ratio	Lower	Upper
105	100		
120	44.5	21.2	63.6





#85
sec-Butylbenzene
Concen: 3.412 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:105 Resp: 2559

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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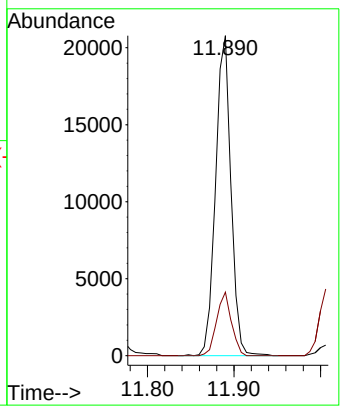
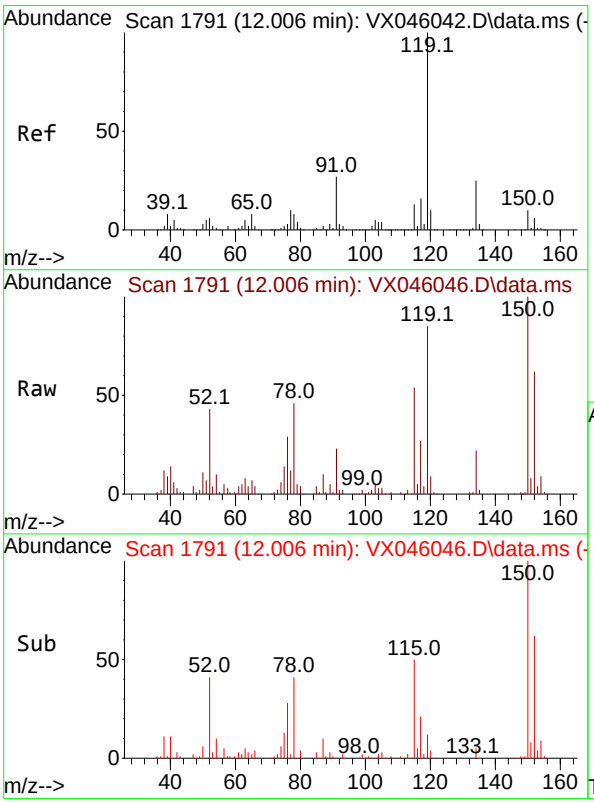
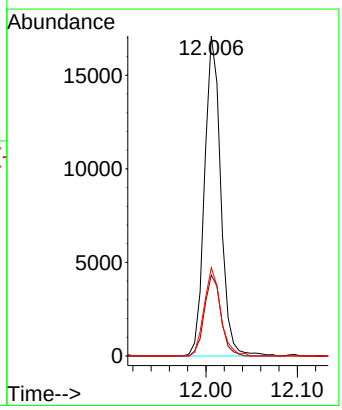


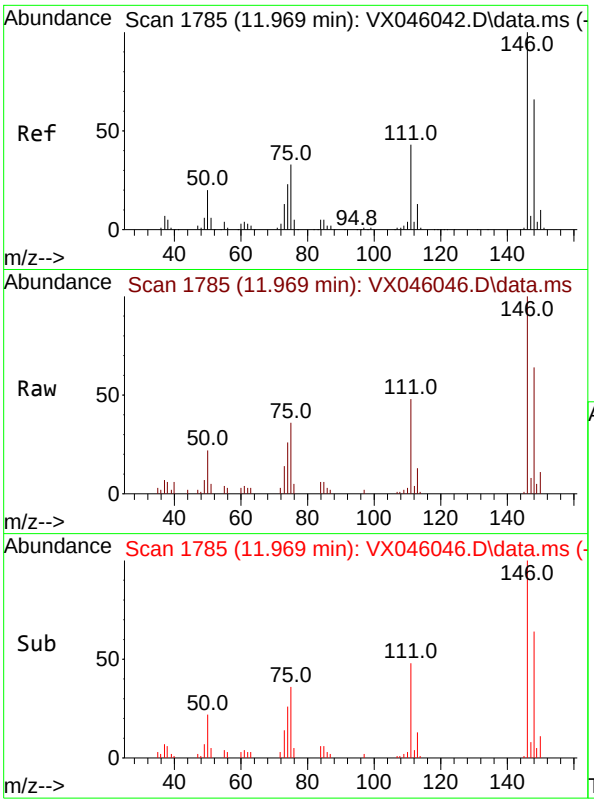


#86
p-Isopropyltoluene
Concen: 3.460 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:119 Resp: 20955

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.5	37.5
91	28.0	13.8	41.4





#87
1,3-Dichlorobenzene
Concen: 3.315 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:146 Resp: 1058

Ion	Ratio	Lower	Upper
146	100		
111	46.2	22.1	66.3
148	62.4	32.1	96.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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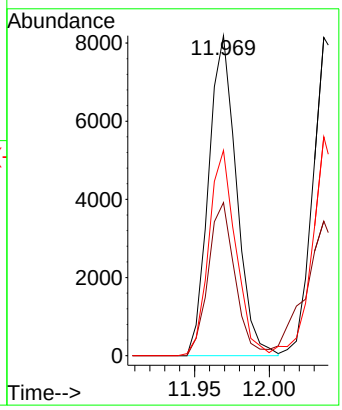
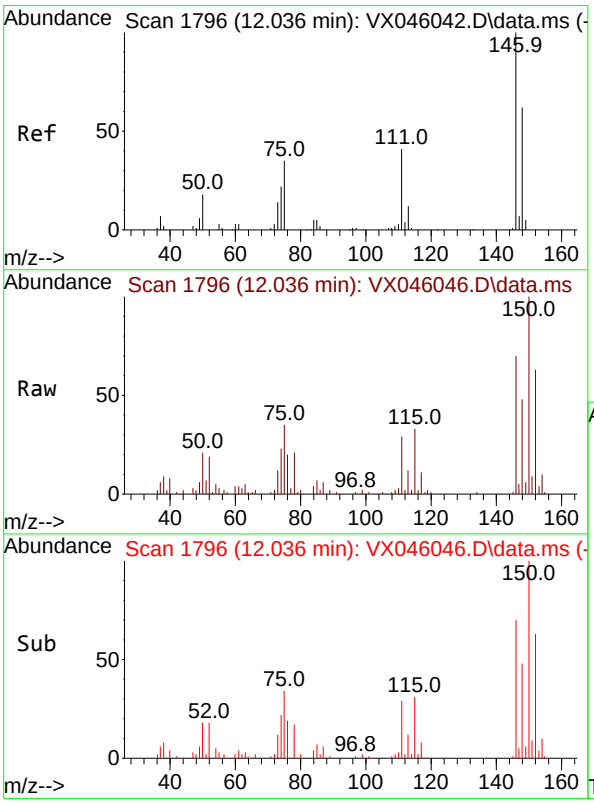
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

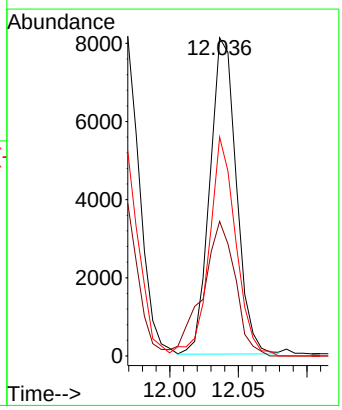


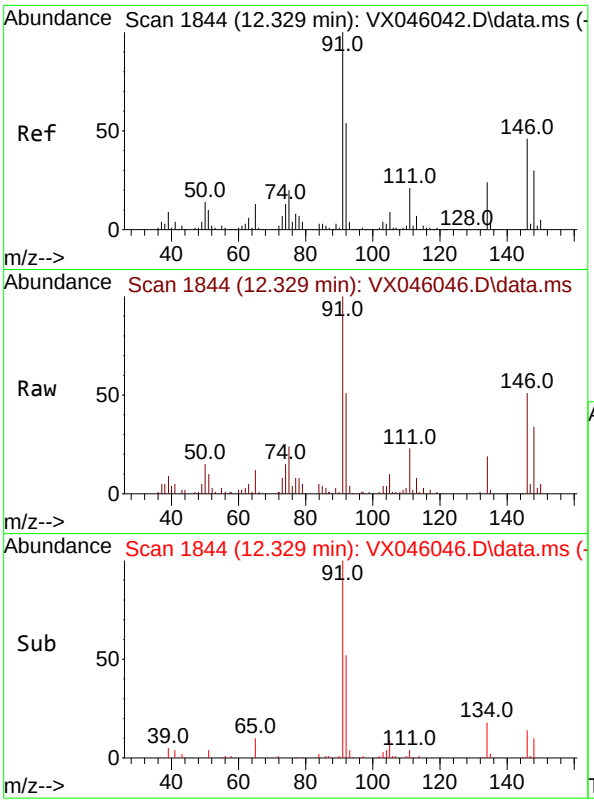


#88
1,4-Dichlorobenzene
Concen: 3.486 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:146 Resp: 10908

Ion	Ratio	Lower	Upper
146	100		
111	52.1	21.3	63.9
148	69.4	31.9	95.5

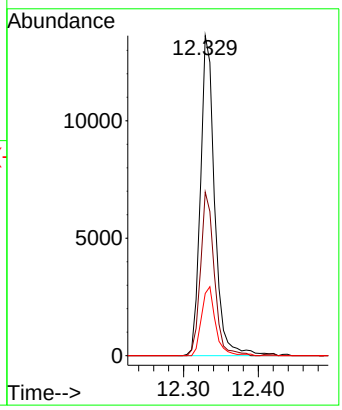




#89
n-Butylbenzene
Concen: 3.419 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 91 Resp: 1800

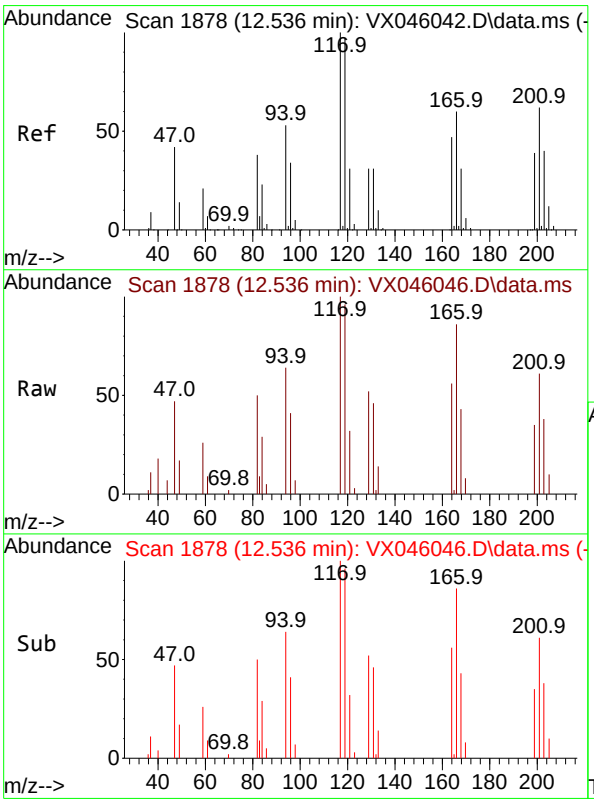
Ion	Ratio	Lower	Upper
91	100		
92	49.5	26.9	80.7
134	21.2	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

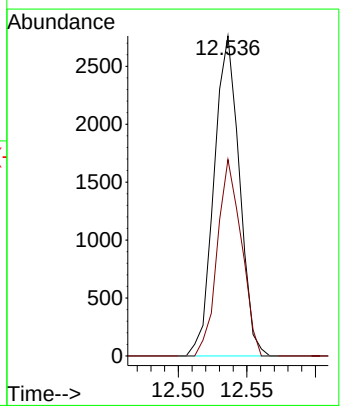
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

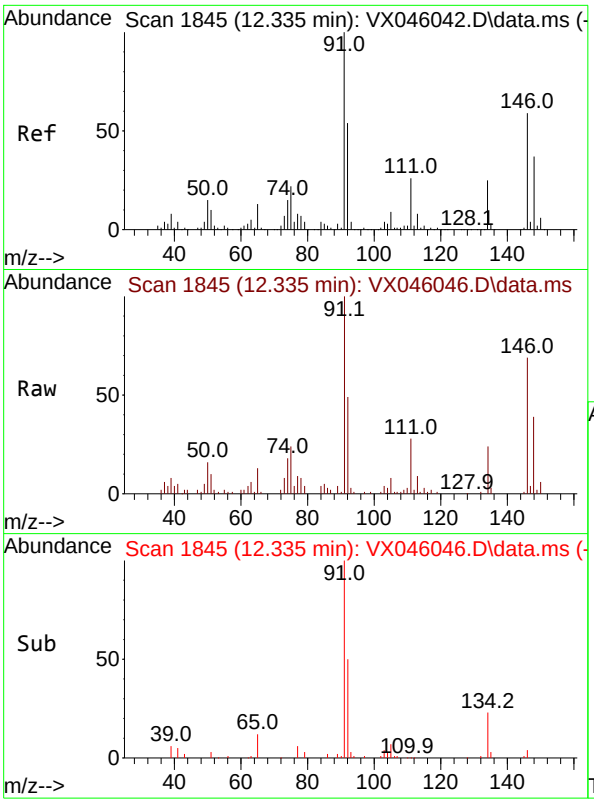


#90
Hexachloroethane
Concen: 3.153 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:117 Resp: 3553

Ion	Ratio	Lower	Upper
117	100		
201	58.5	31.6	94.7

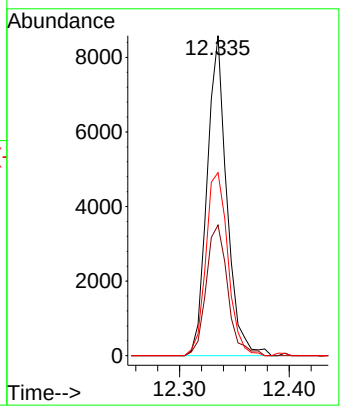




#91
1,2-Dichlorobenzene
Concen: 3.444 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:146 Resp: 1071

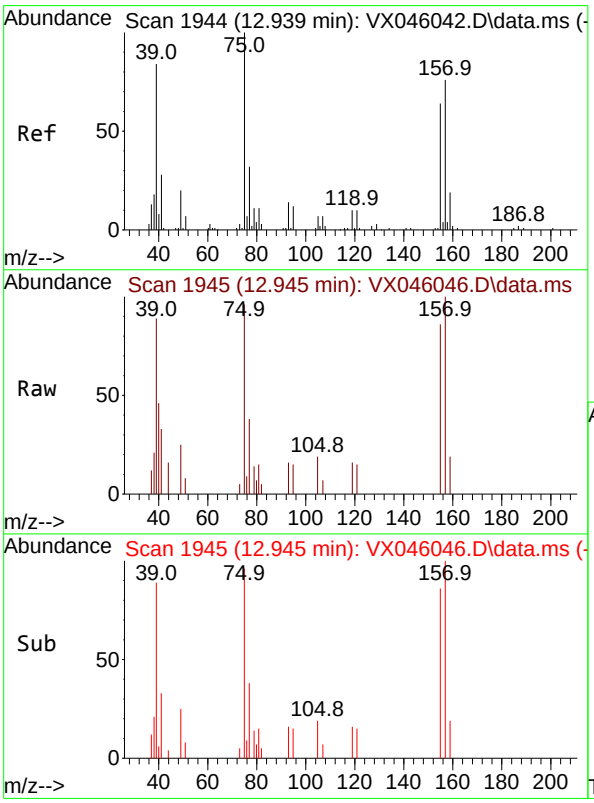
Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.4	67.3
148	64.2	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

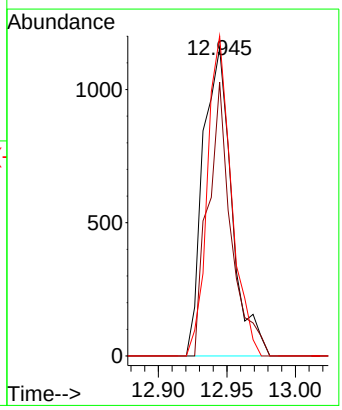
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

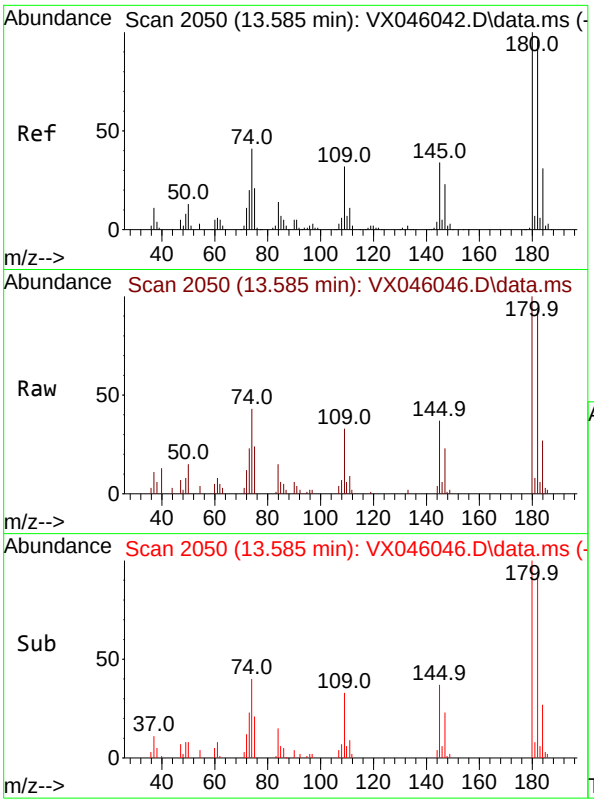


#92
1,2-Dibromo-3-Chloropropane
Concen: 2.812 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 75 Resp: 1687

Ion	Ratio	Lower	Upper
75	100		
155	71.7	34.9	104.8
157	87.0	43.8	131.4

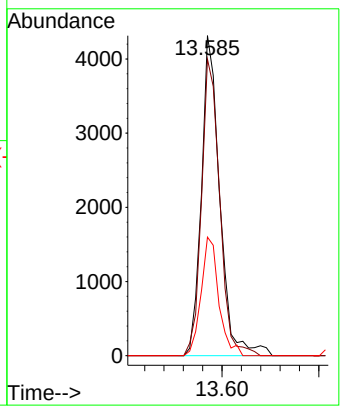




#93
1,2,4-Trichlorobenzene
Concen: 3.359 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:180 Resp: 572

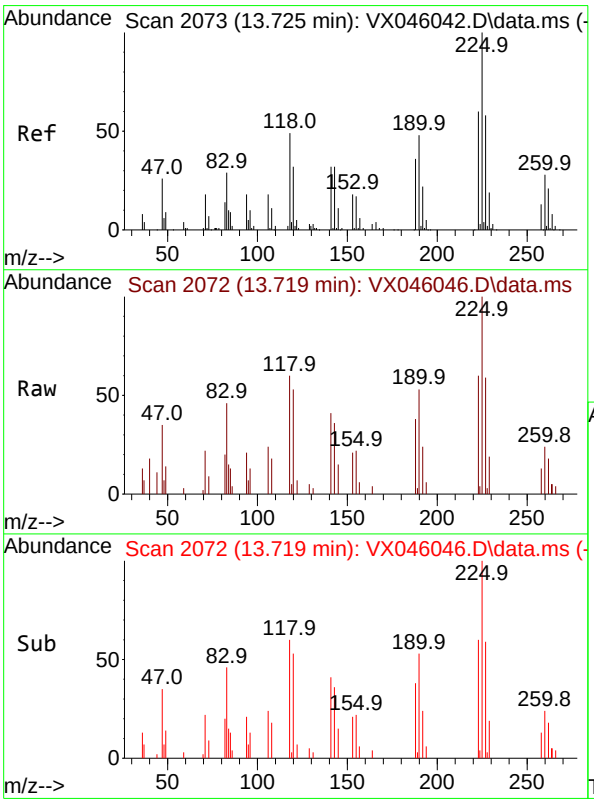
Ion	Ratio	Lower	Upper
180	100		
182	91.6	47.9	143.8
145	35.7	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

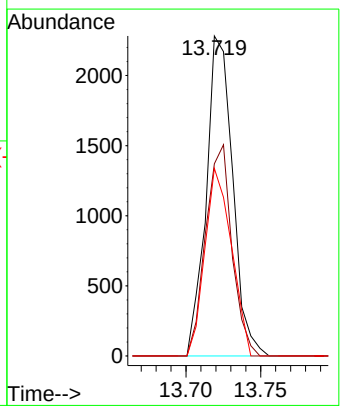
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

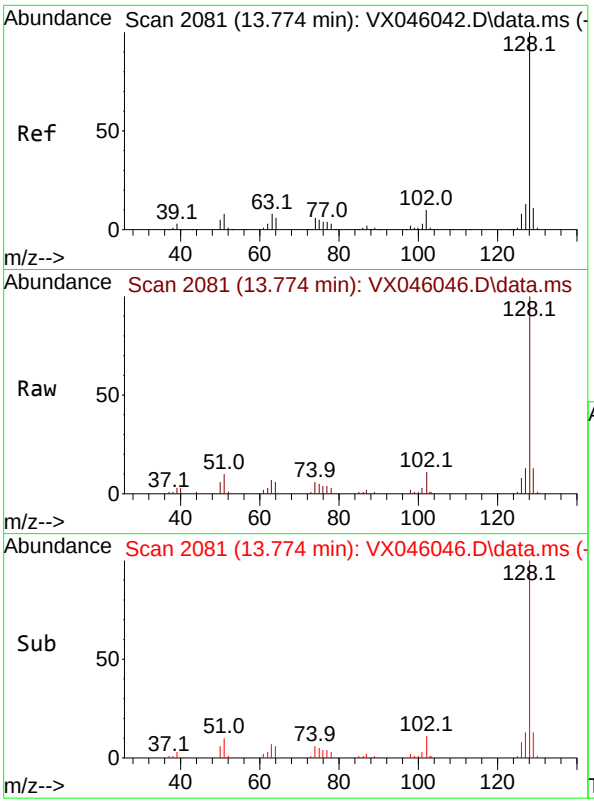


#94
Hexachlorobutadiene
Concen: 3.535 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:225 Resp: 2816

Ion	Ratio	Lower	Upper
225	100		
223	65.1	30.8	92.4
227	58.8	30.9	92.7

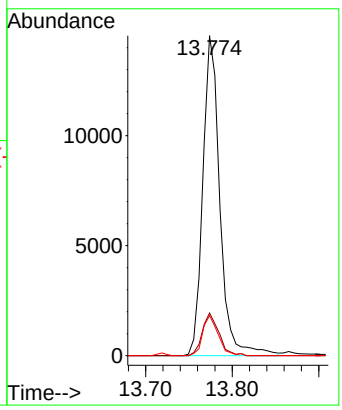




#95
Naphthalene
Concen: 3.209 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:128 Resp: 1990

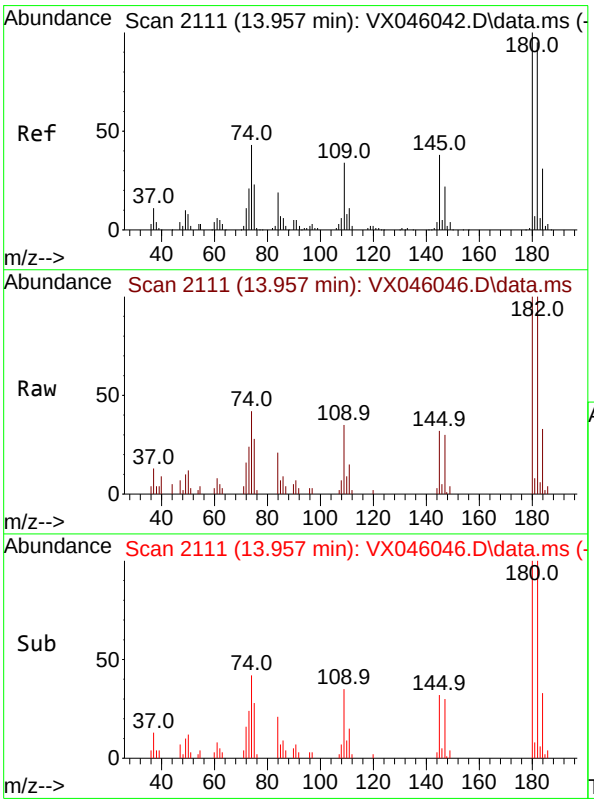
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.5	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

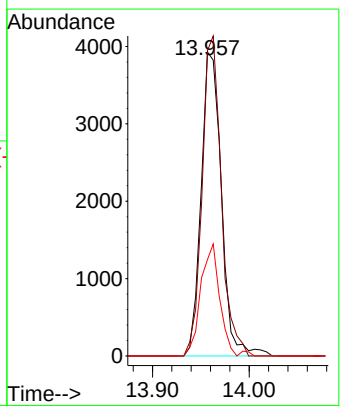
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 3.217 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:180 Resp: 5745

Ion	Ratio	Lower	Upper
180	100		
182	99.1	47.8	143.3
145	34.8	18.1	54.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046047.D
Acq On : 05 May 2025 16:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

Quant Time: May 06 06:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	92040	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	167022	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	140108	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59123	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l		
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 77 - 121		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.166	85	1211	0.596	ug/l		98
3) Chloromethane	1.307	50	1278	0.639	ug/l		97
4) Vinyl Chloride	1.374	62	1239	0.707	ug/l	#	82
6) Chloroethane	1.678	64	859	0.951	ug/l		91
7) Trichlorofluoromethane	1.880	101	1959	0.734	ug/l		95
8) Diethyl Ether	2.130	74	742	0.845	ug/l		87
9) 1,1,2-Trichlorotrifluo...	2.319	101	1166	0.731	ug/l		96
12) 1,1-Dichloroethene	2.313	96	1093	0.704	ug/l	#	87
14) Allyl chloride	2.654	41	1936	0.660	ug/l		89
15) Acrylonitrile	3.075	53	3343	3.424	ug/l		98
16) Acetone	2.380	43	3500	3.736	ug/l		97
17) Carbon Disulfide	2.508	76	2619	0.728	ug/l		98
18) Methyl Acetate	2.709	43	1852	0.828	ug/l		98
19) Methyl tert-butyl Ether	3.117	73	3588	0.662	ug/l		96
20) Methylene Chloride	2.782	84	1571	0.828	ug/l	#	90
21) trans-1,2-Dichloroethene	3.081	96	1111	0.701	ug/l	#	71
22) Diisopropyl ether	3.757	45	3857	0.703	ug/l	#	26
23) Vinyl Acetate	3.727	43	15283	3.154	ug/l		96
24) 1,1-Dichloroethane	3.605	63	2054	0.637	ug/l		97
25) 2-Butanone	4.593	43	4558	3.371	ug/l		92
26) 2,2-Dichloropropane	4.458	77	1777	0.728	ug/l		84
27) cis-1,2-Dichloroethene	4.483	96	1324	0.693	ug/l		91
28) Bromochloromethane	4.910	49	1061m	0.619	ug/l		
29) Tetrahydrofuran	5.019	42	2931	3.338	ug/l		99
30) Chloroform	5.093	83	2328	0.695	ug/l		98
32) 1,1,1-Trichloroethane	5.379	97	1869	0.647	ug/l	#	51
36) 1,1-Dichloropropene	5.684	75	1648	0.758	ug/l	#	83
37) Ethyl Acetate	4.733	43	1956m	0.717	ug/l		
38) Carbon Tetrachloride	5.678	117	1807	0.724	ug/l	#	78
39) Methylcyclohexane	7.373	83	2096	0.770	ug/l		97
40) Benzene	6.044	78	4502	0.668	ug/l	#	89
41) Methacrylonitrile	4.946	41	778	0.513	ug/l	#	56
42) 1,2-Dichloroethane	6.092	62	1934	0.694	ug/l		81
43) Isopropyl Acetate	6.354	43	2553	0.612	ug/l	#	81
44) Trichloroethene	7.135	130	1083	0.680	ug/l		85
45) 1,2-Dichloropropane	7.440	63	1059	0.633	ug/l		89

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046047.D
Acq On : 05 May 2025 16:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 06 06:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) Dibromomethane	7.586	93	880	0.667 ug/l	97
47) Bromodichloromethane	7.818	83	1620	0.633 ug/l #	91
48) Methyl methacrylate	7.714	41	1235m	0.577 ug/l	
49) 1,4-Dioxane	7.677	88	498	11.703 ug/l #	66
51) 4-Methyl-2-Pentanone	8.580	43	9378	3.430 ug/l	97
52) Toluene	8.720	92	2684	0.672 ug/l	96
53) t-1,3-Dichloropropene	8.988	75	1238	0.576 ug/l #	79
54) cis-1,3-Dichloropropene	8.379	75	1414	0.564 ug/l #	87
55) 1,1,2-Trichloroethane	9.153	97	1029	0.637 ug/l	92
56) Ethyl methacrylate	9.128	69	1260	0.504 ug/l #	76
57) 1,3-Dichloropropane	9.311	76	2036	0.711 ug/l	97
58) 2-Chloroethyl Vinyl ether	8.244	63	3846	3.420 ug/l	94
59) 2-Hexanone	9.439	43	6424	3.096 ug/l	88
60) Dibromochloromethane	9.525	129	1023	0.582 ug/l	93
61) 1,2-Dibromoethane	9.610	107	1077	0.650 ug/l	98
64) Tetrachloroethene	9.275	164	972	0.679 ug/l	95
65) Chlorobenzene	10.079	112	3170	0.735 ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	1035	0.720 ug/l #	67
67) Ethyl Benzene	10.195	91	5052	0.687 ug/l	94
68) m/p-Xylenes	10.299	106	3630	1.367 ug/l	97
69) o-Xylene	10.640	106	1799	0.672 ug/l	94
70) Styrene	10.659	104	2664	0.622 ug/l	98
71) Bromoform	10.799	173	657	0.608 ug/l #	100
73) Isopropylbenzene	10.963	105	4480	0.695 ug/l	96
74) N-amyl acetate	10.854	43	2028	0.631 ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.213	83	1835	0.800 ug/l	94
76) 1,2,3-Trichloropropane	11.244	75	1661m	0.674 ug/l	
77) Bromobenzene	11.201	156	1095	0.734 ug/l	96
78) n-propylbenzene	11.305	91	5052	0.699 ug/l	97
79) 2-Chlorotoluene	11.360	91	3765	0.773 ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	3590	0.671 ug/l	96
82) 4-Chlorotoluene	11.457	91	3815	0.713 ug/l	97
83) tert-Butylbenzene	11.713	119	3951	0.751 ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	3725	0.697 ug/l	97
85) sec-Butylbenzene	11.890	105	4385	0.672 ug/l	100
86) p-Isopropyltoluene	12.006	119	3577	0.679 ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	1914	0.689 ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	2149m	0.789 ug/l	
89) n-Butylbenzene	12.335	91	2889	0.631 ug/l	92
90) Hexachloroethane	12.536	117	604	0.616 ug/l	99
91) 1,2-Dichlorobenzene	12.341	146	2022	0.747 ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	306	0.586 ug/l	83
93) 1,2,4-Trichlorobenzene	13.591	180	1019	0.688 ug/l	94
94) Hexachlorobutadiene	13.725	225	465	0.671 ug/l	89
95) Naphthalene	13.780	128	4138	0.767 ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	1113	0.716 ug/l	96

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

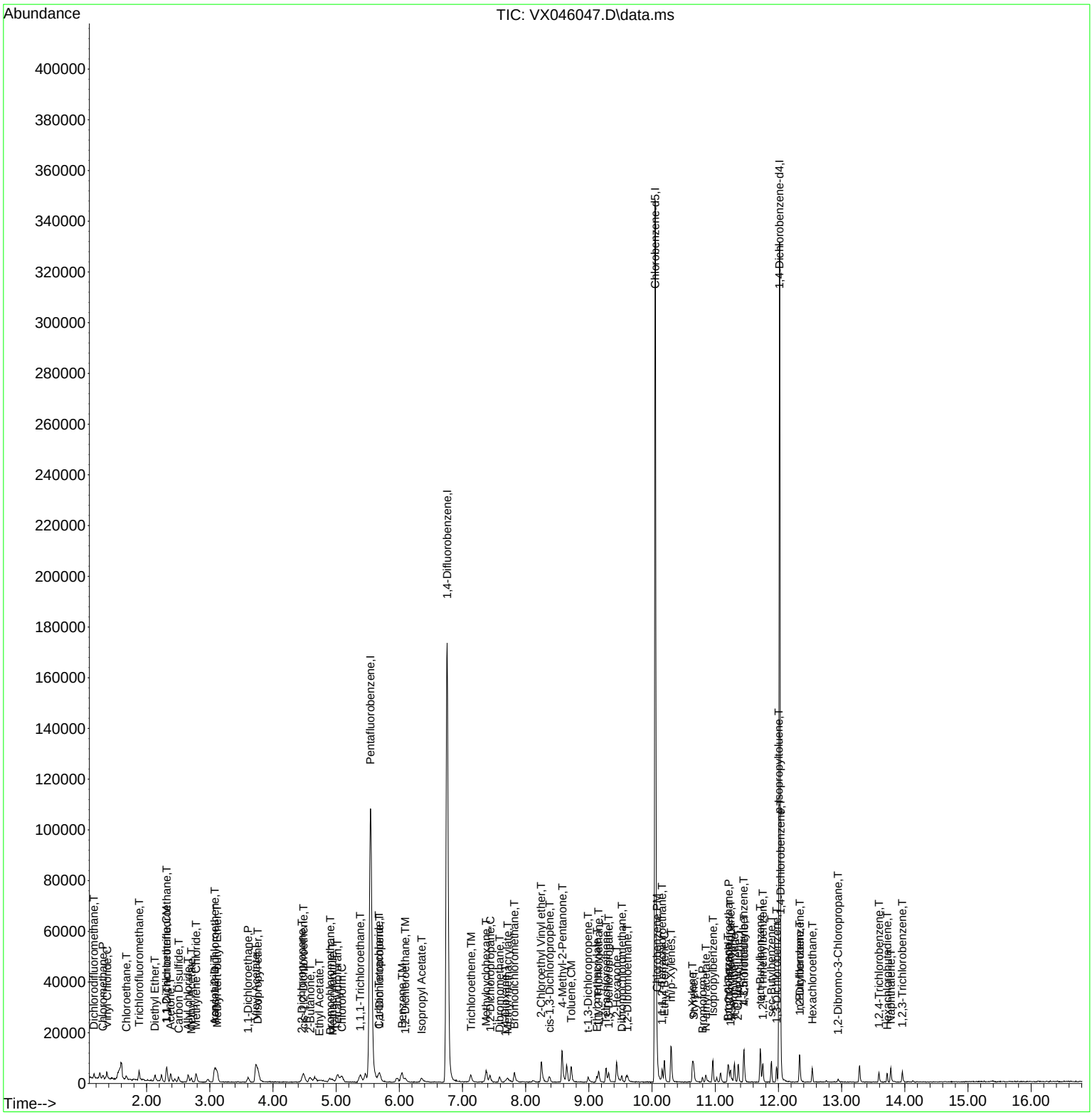
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046047.D
Acq On : 05 May 2025 16:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

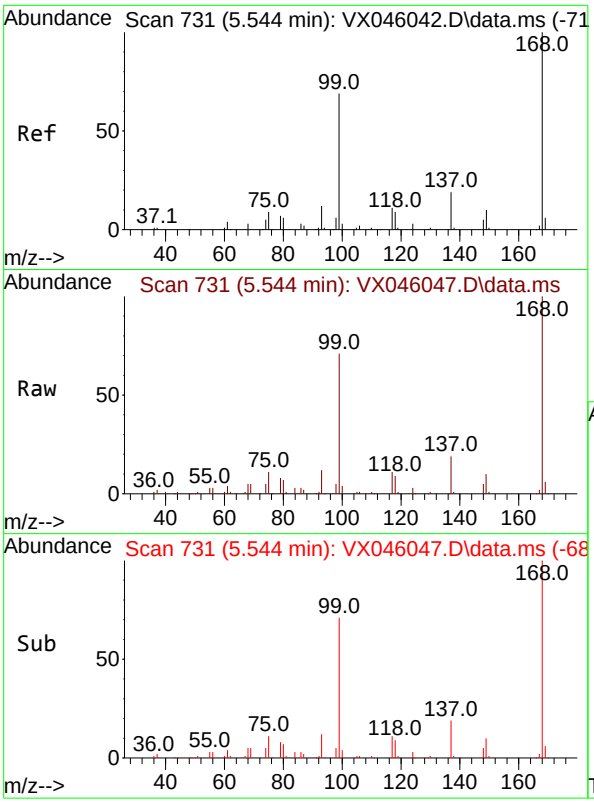
Quant Time: May 06 06:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

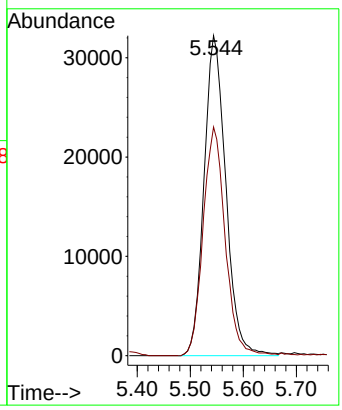




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:168 Resp: 9204

Ion	Ratio	Lower	Upper
168	100		
99	71.5	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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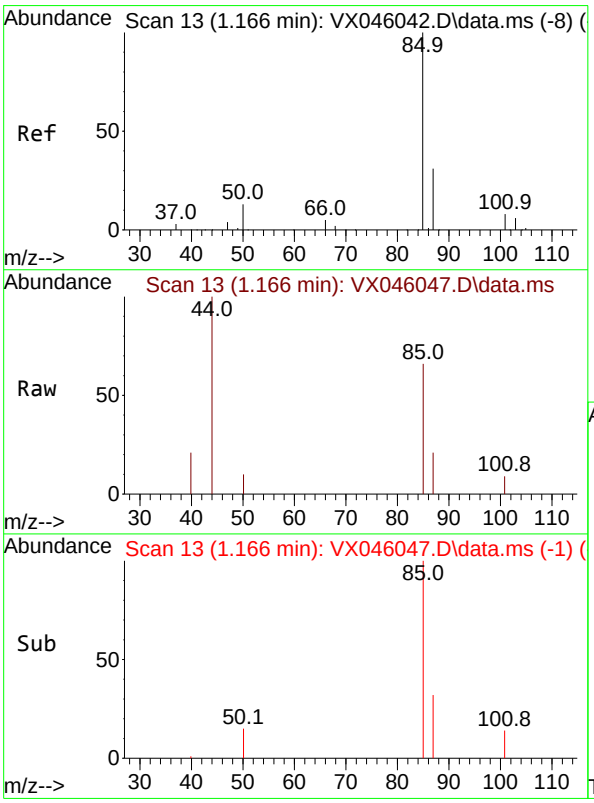
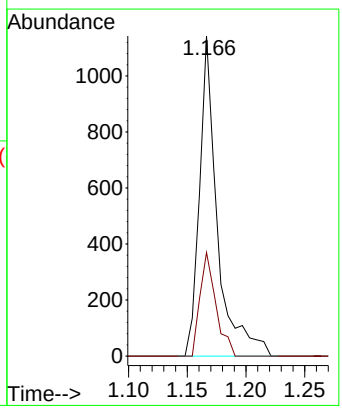
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

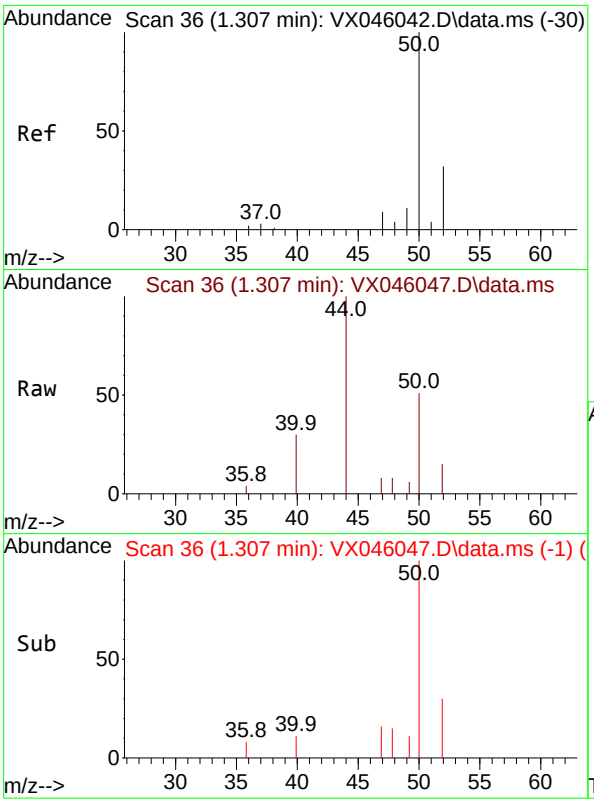


#2
Dichlorodifluoromethane
Concen: 0.596 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 85 Resp: 1211

Ion	Ratio	Lower	Upper
85	100		
87	32.4	15.7	47.1

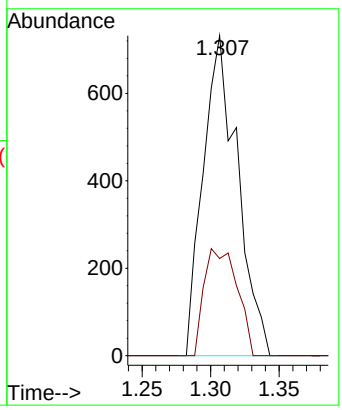




#3
Chloromethane
Concen: 0.639 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 50 Resp: 127

Ion	Ratio	Lower	Upper
50	100		
52	30.3	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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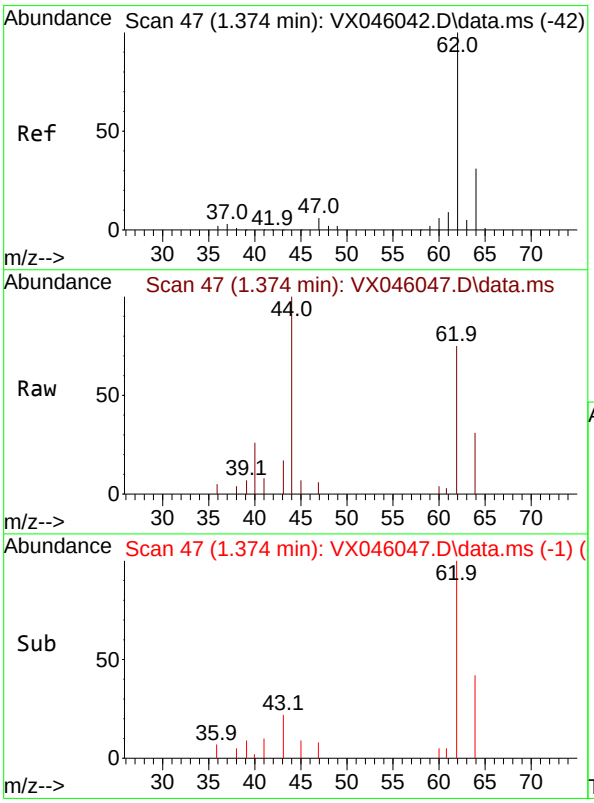
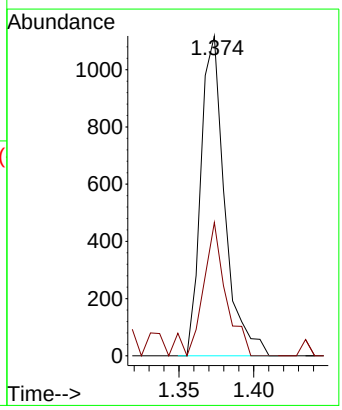
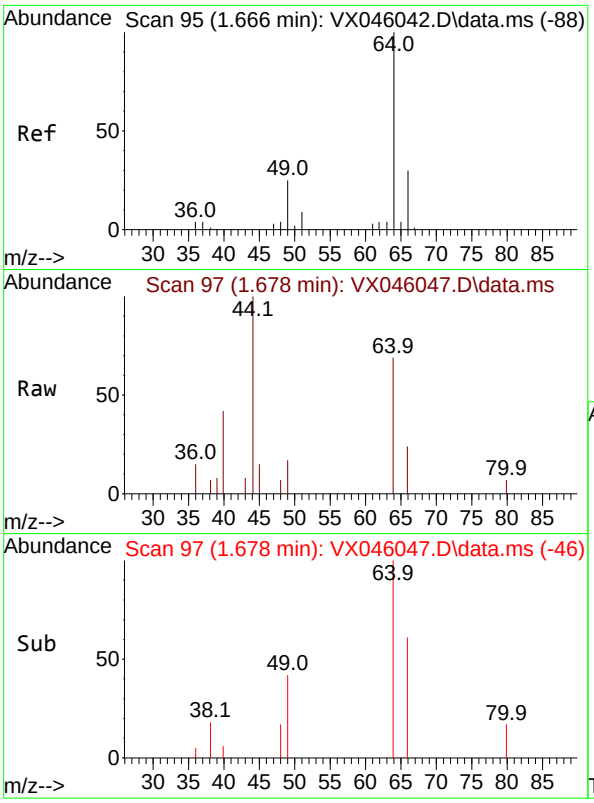


#4
Vinyl Chloride
Concen: 0.707 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 62 Resp: 1239

Ion	Ratio	Lower	Upper
62	100		
64	41.7	25.2	37.8#

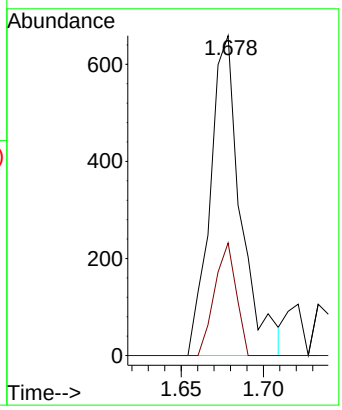




#6
Chloroethane
Concen: 0.951 ug/l
RT: 1.678 min Scan# 9
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 64 Resp: 85

Ion	Ratio	Lower	Upper
64	100		
66	35.2	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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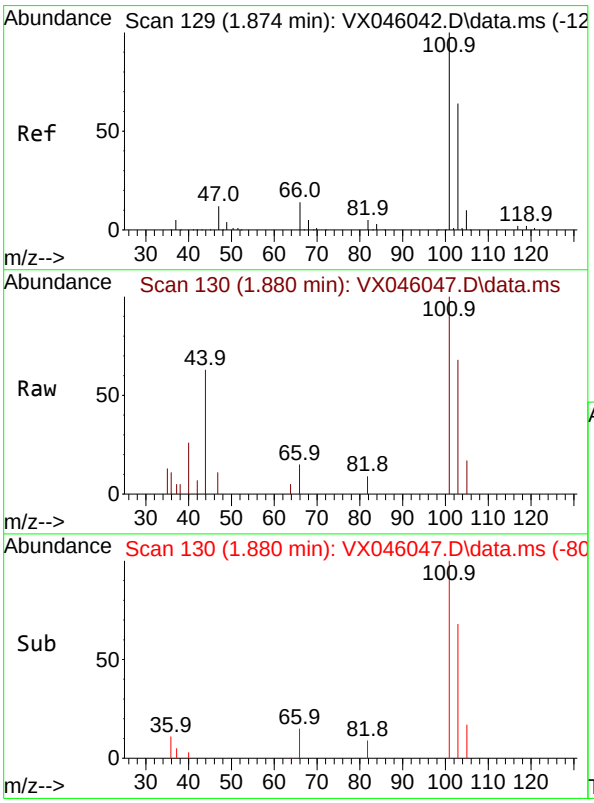
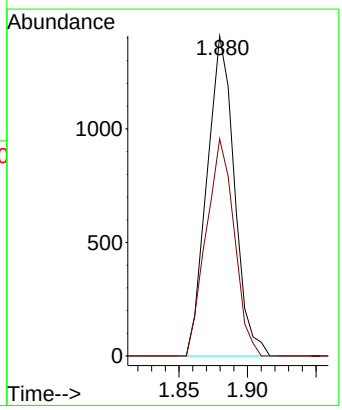
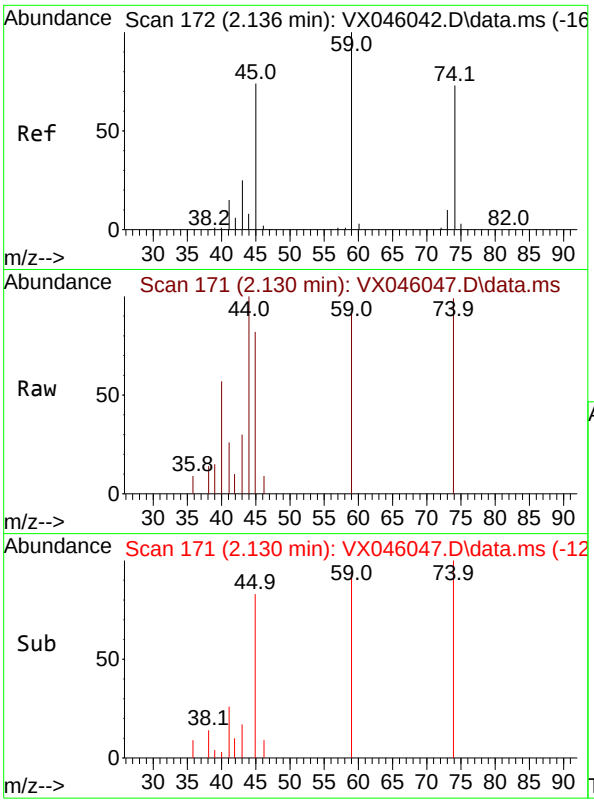


#7
Trichlorofluoromethane
Concen: 0.734 ug/l
RT: 1.880 min Scan# 130
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:101 Resp: 1959

Ion	Ratio	Lower	Upper
101	100		
103	67.8	51.0	76.4





#8
Diethyl Ether
Concen: 0.845 ug/l
RT: 2.130 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 74 Resp: 74

Ion	Ratio	Lower	Upper
74	100		
45	123.6	54.9	164.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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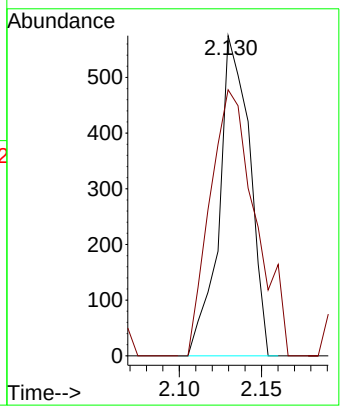
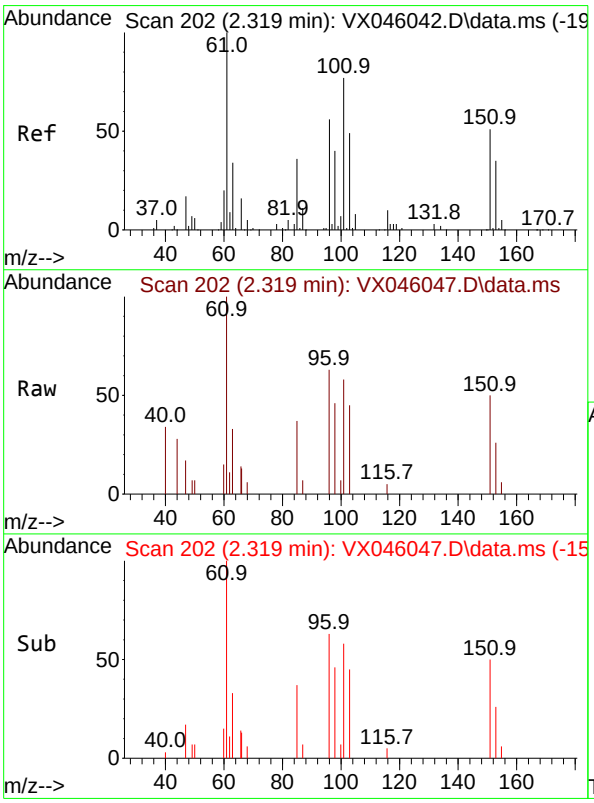
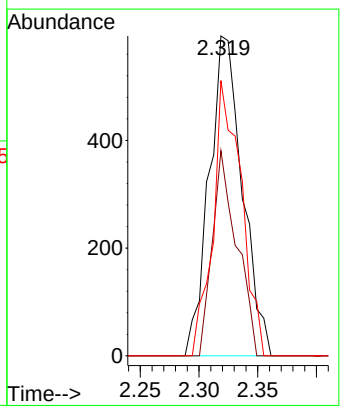


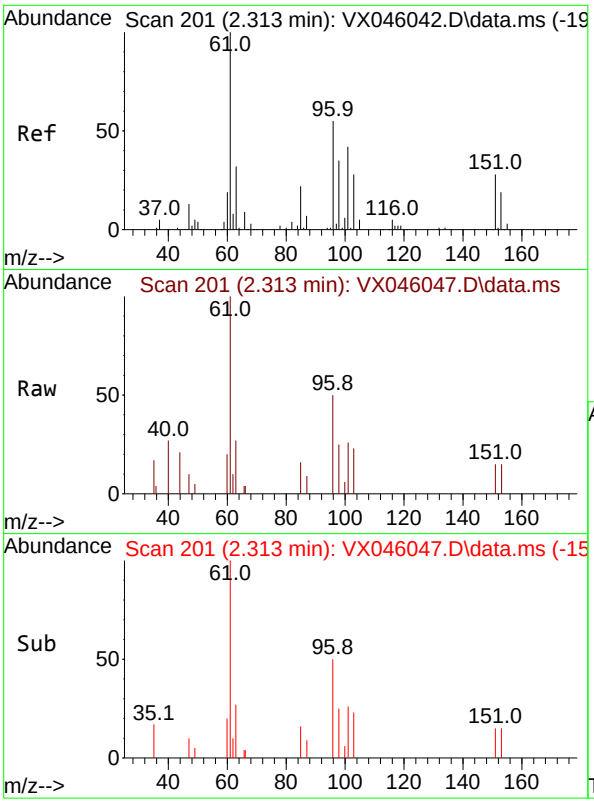


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.731 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:101 Resp: 1166

Ion	Ratio	Lower	Upper
101	100		
85	47.3	38.6	58.0
151	73.1	55.2	82.8

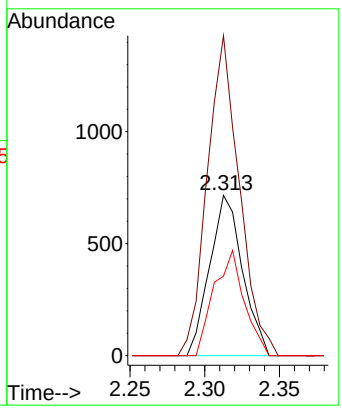




#12
1,1-Dichloroethene
Concen: 0.704 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 96 Resp: 109

Ion	Ratio	Lower	Upper
96	100		
61	199.6	146.2	219.2
98	49.6	51.0	76.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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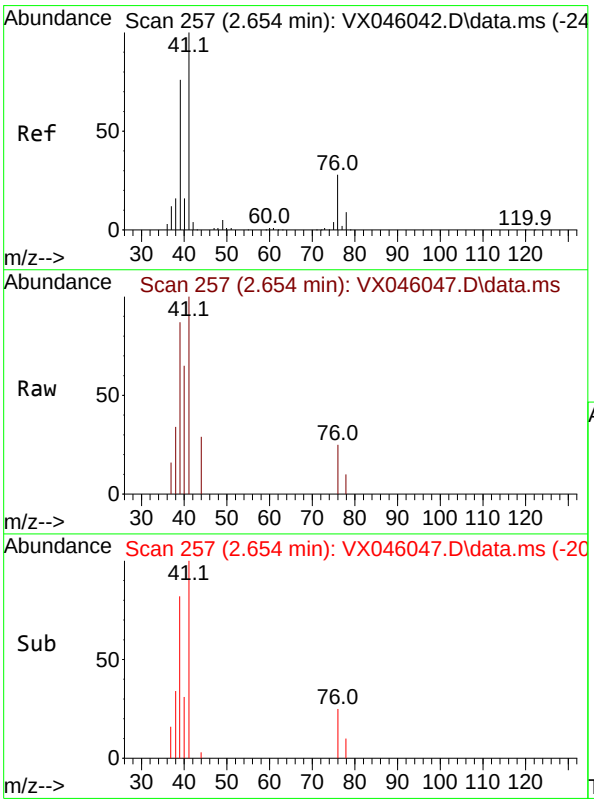
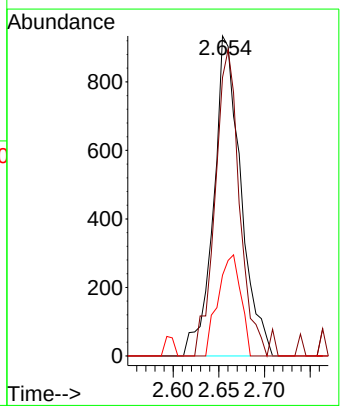
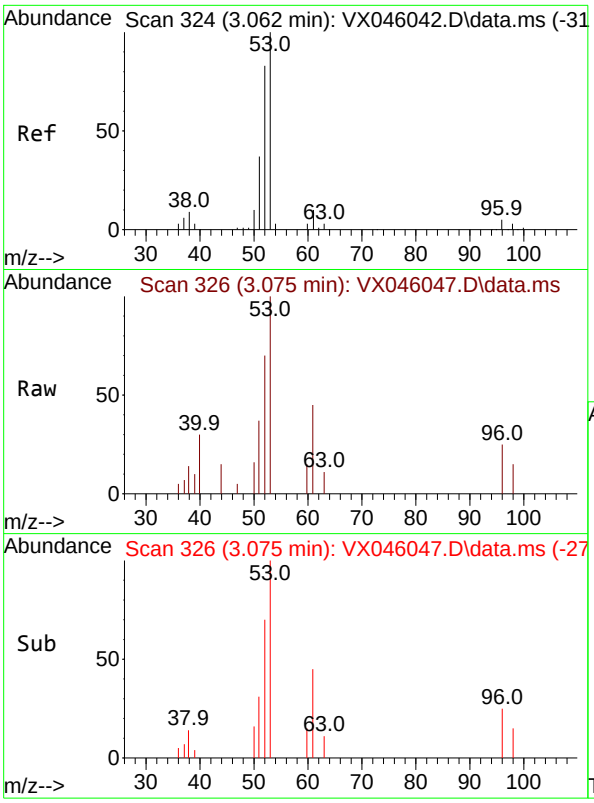


#14
Allyl chloride
Concen: 0.660 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 41 Resp: 1936

Ion	Ratio	Lower	Upper
41	100		
39	85.5	60.6	90.8
76	26.4	24.9	37.3

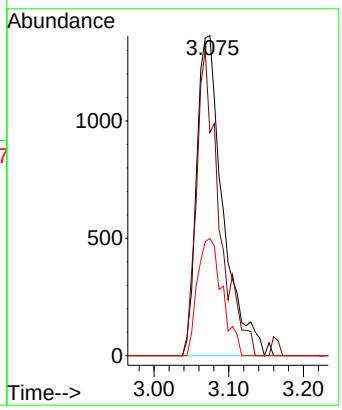




#15
Acrylonitrile
Concen: 3.424 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 53 Resp: 334

Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.3	97.9
51	34.4	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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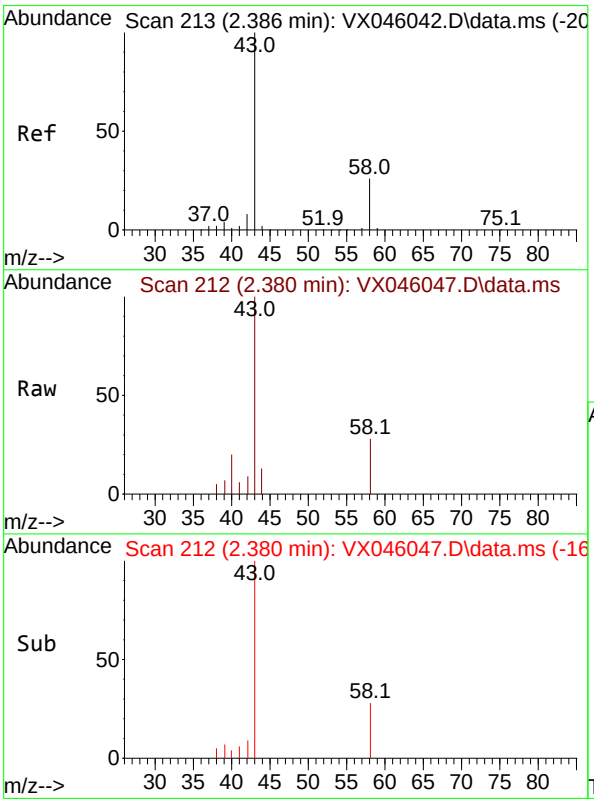
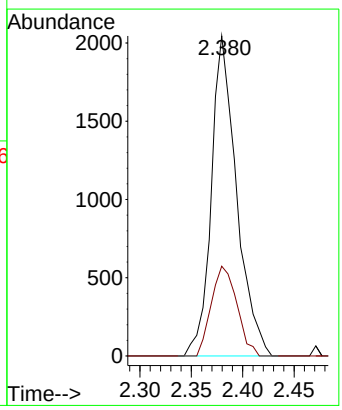
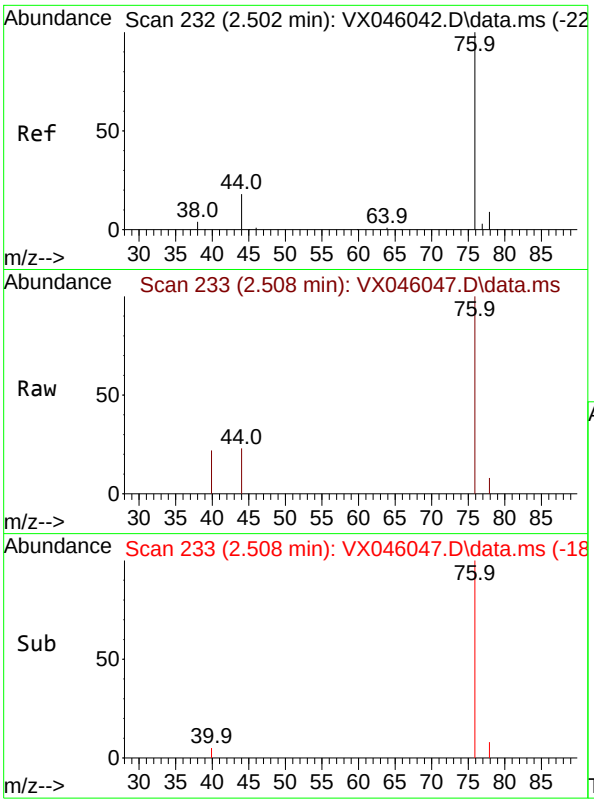


#16
Acetone
Concen: 3.736 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 3500

Ion	Ratio	Lower	Upper
43	100		
58	28.1	21.2	31.8

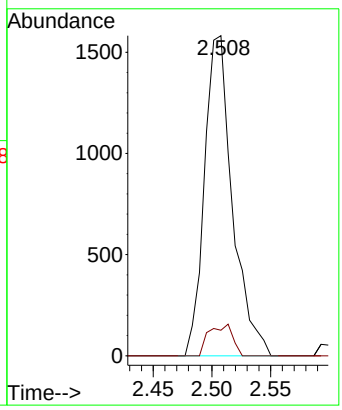




#17
Carbon Disulfide
Concen: 0.728 ug/l
RT: 2.508 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 76 Resp: 261

Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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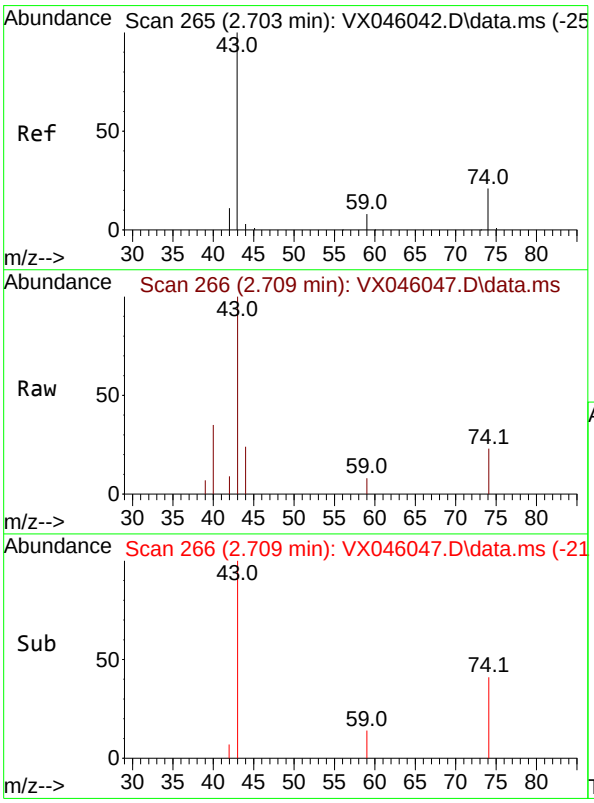
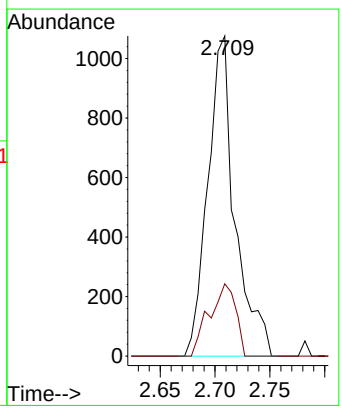
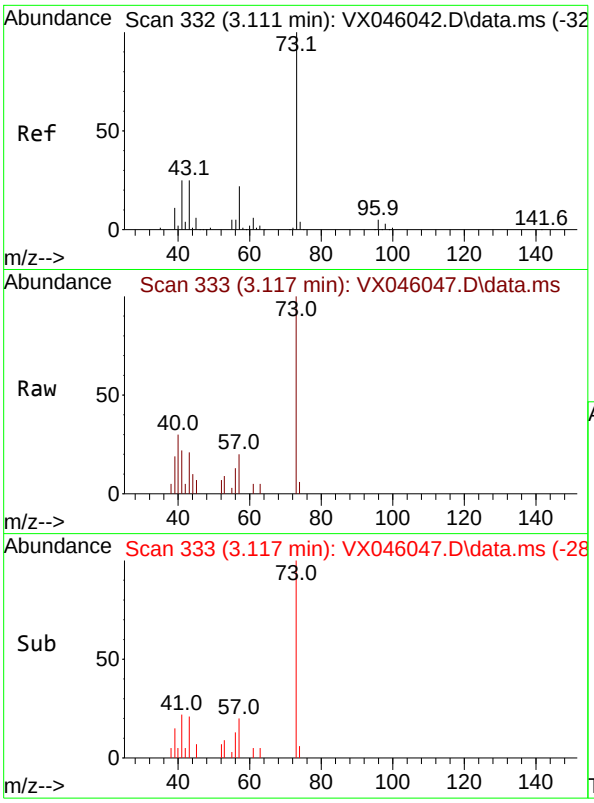


#18
Methyl Acetate
Concen: 0.828 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 1852

Ion	Ratio	Lower	Upper
43	100		
74	22.0	16.7	25.1





#19
Methyl tert-butyl Ether
Concen: 0.662 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 73 Resp: 358

Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.7	26.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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Reviewed By :John Carlone 05/06/2025
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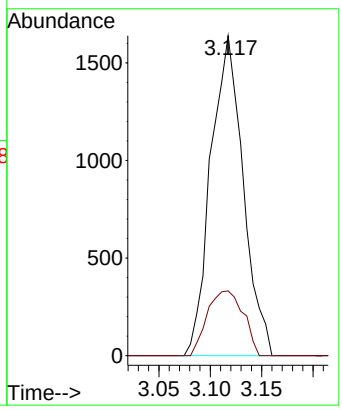
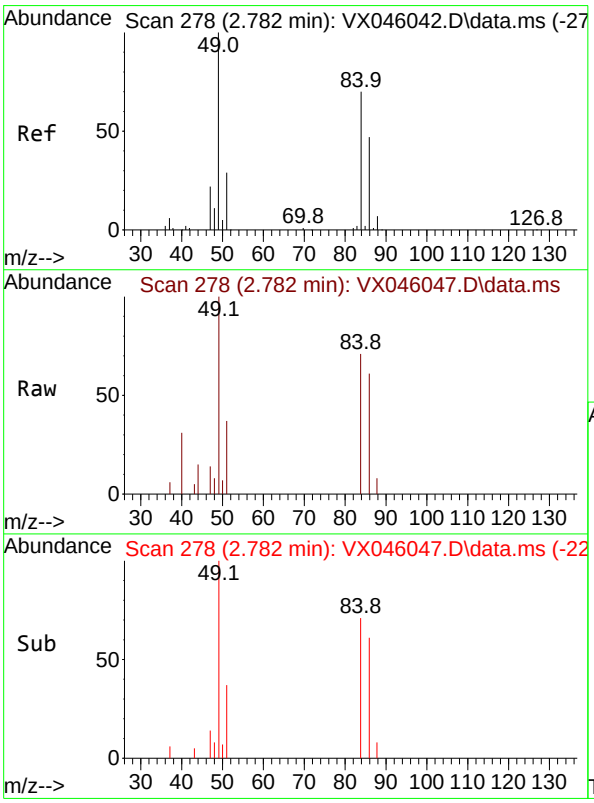
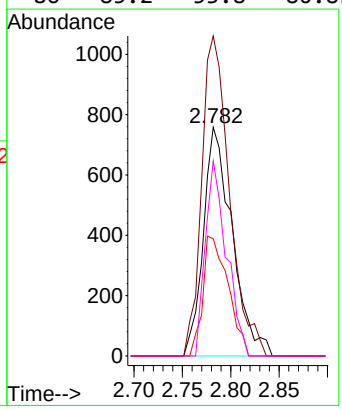


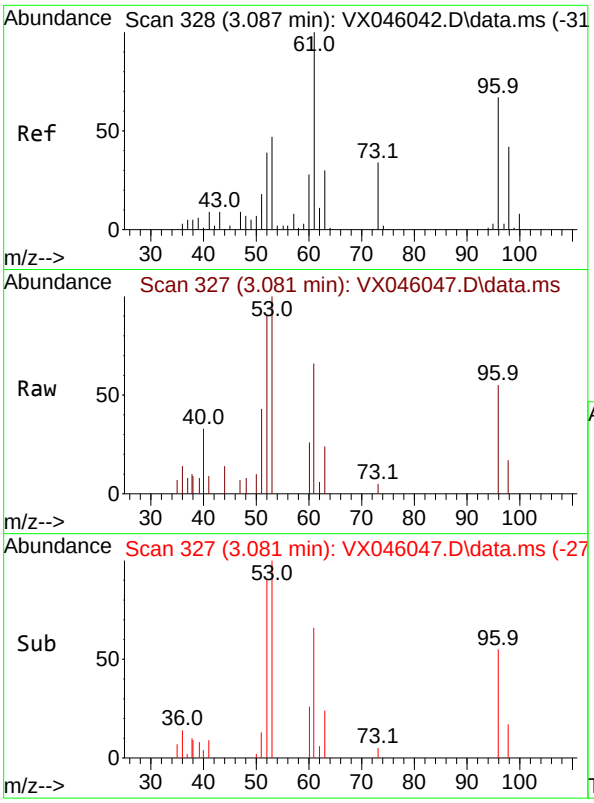


#20
Methylene Chloride
Concen: 0.828 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 84 Resp: 1571

Ion	Ratio	Lower	Upper
84	100		
49	140.0	113.9	170.9
51	51.3	33.5	50.3#
86	85.2	53.8	80.8#

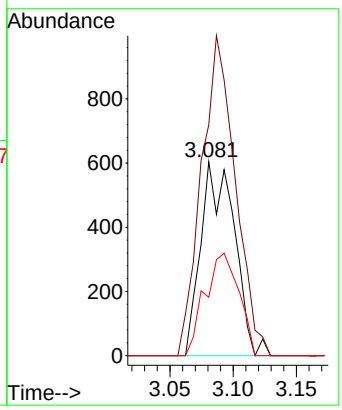




#21
trans-1,2-Dichloroethene
Concen: 0.701 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 96 Resp: 111

Ion	Ratio	Lower	Upper
96	100		
61	119.0	119.5	179.3#
98	30.1	50.0	75.0#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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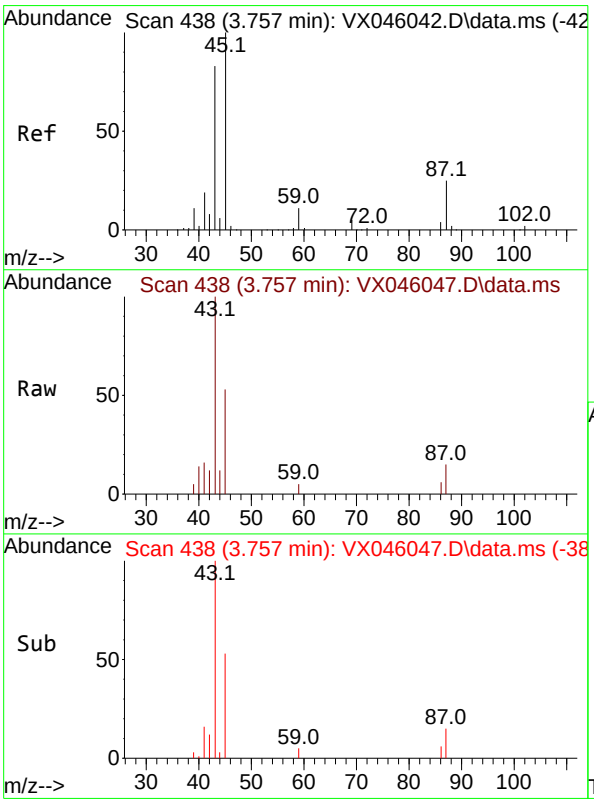
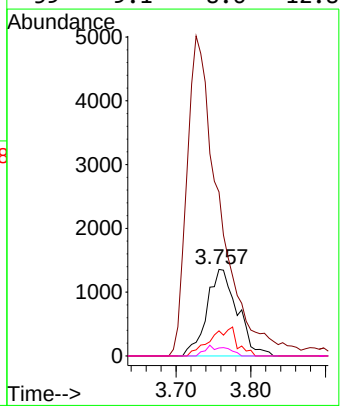
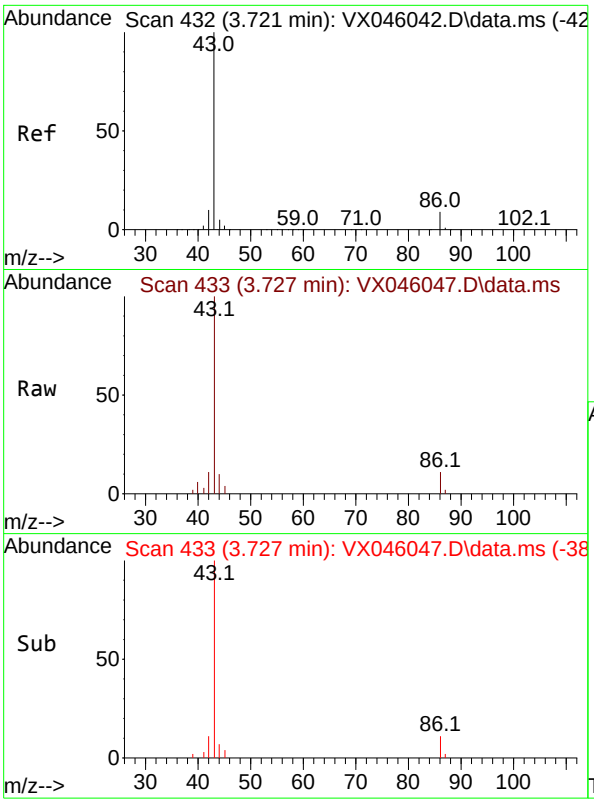


#22
Diisopropyl ether
Concen: 0.703 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 45 Resp: 3857

Ion	Ratio	Lower	Upper
45	100		
43	176.2	66.6	100.0#
87	28.9	19.8	29.6
59	9.1	8.6	12.8





#23
Vinyl Acetate
Concen: 3.154 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 1528

Ion	Ratio	Lower	Upper
43	100		
86	10.8	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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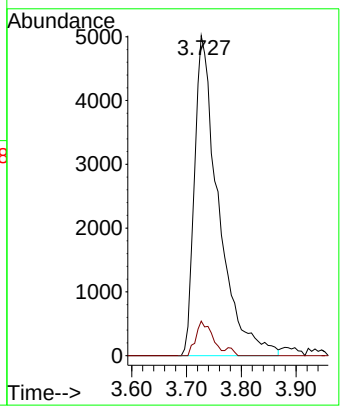
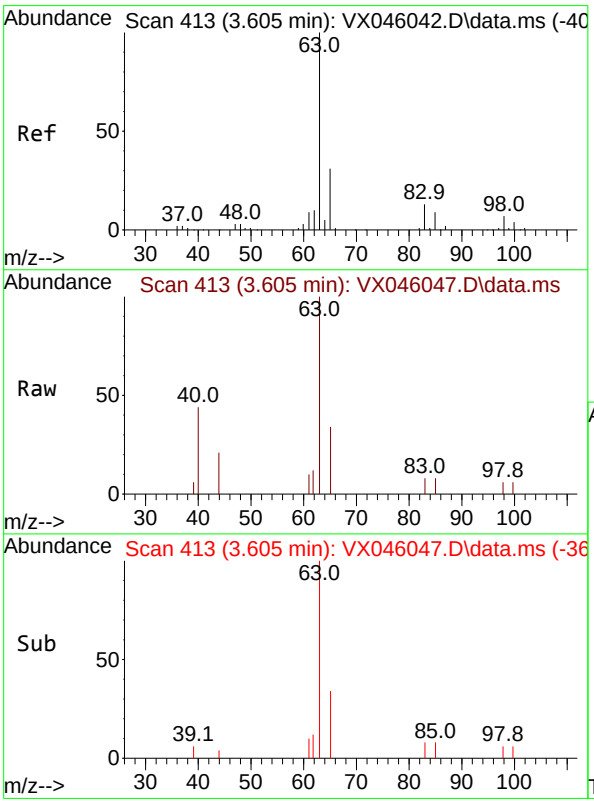
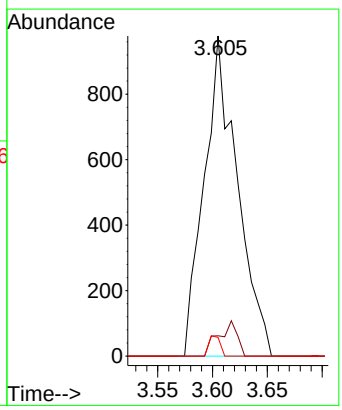


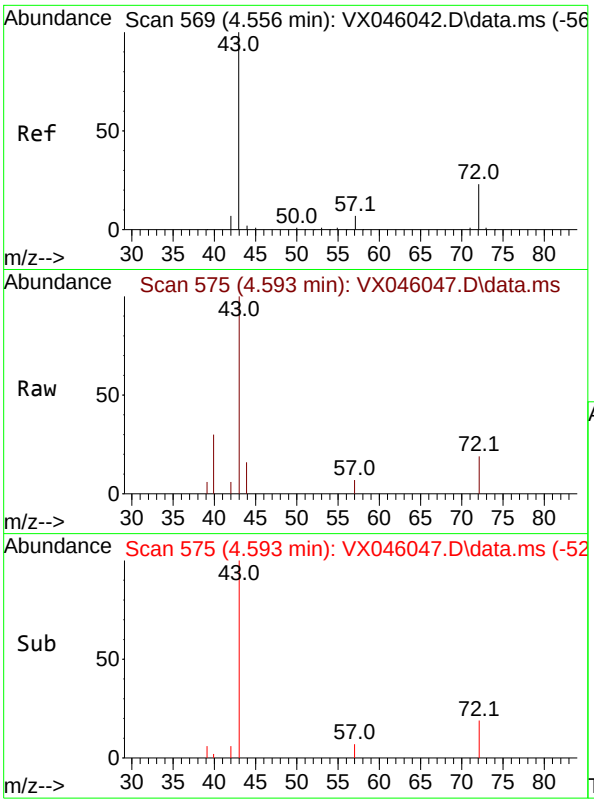


#24
1,1-Dichloroethane
Concen: 0.637 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 63 Resp: 2054

Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.6	10.8
100	5.8	2.1	6.3

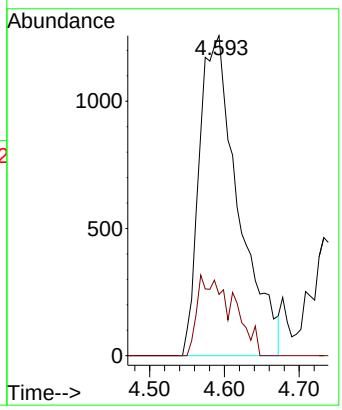




#25
2-Butanone
Concen: 3.371 ug/l
RT: 4.593 min Scan# 5
Delta R.T. 0.037 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 455

Ion	Ratio	Lower	Upper
43	100		
72	19.2	18.4	27.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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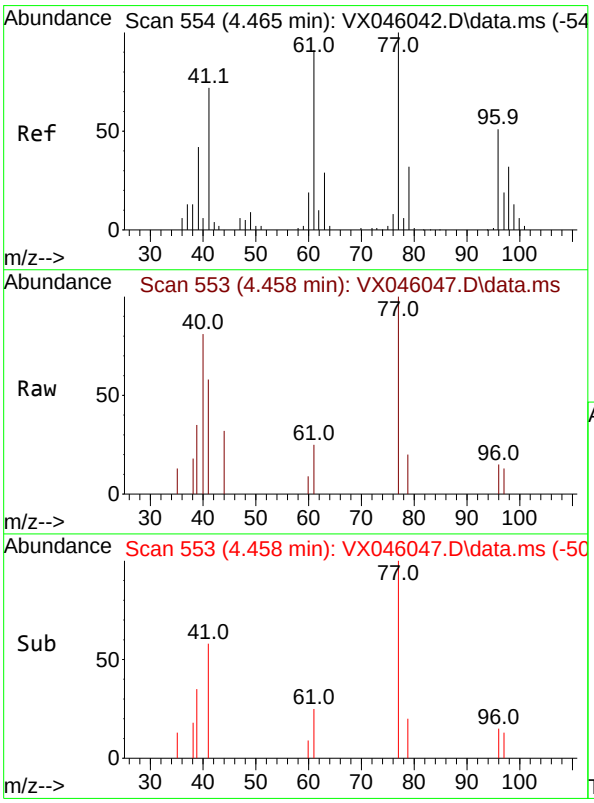
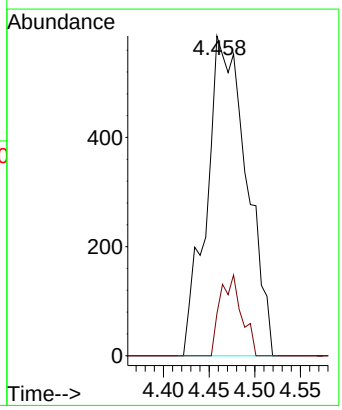
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

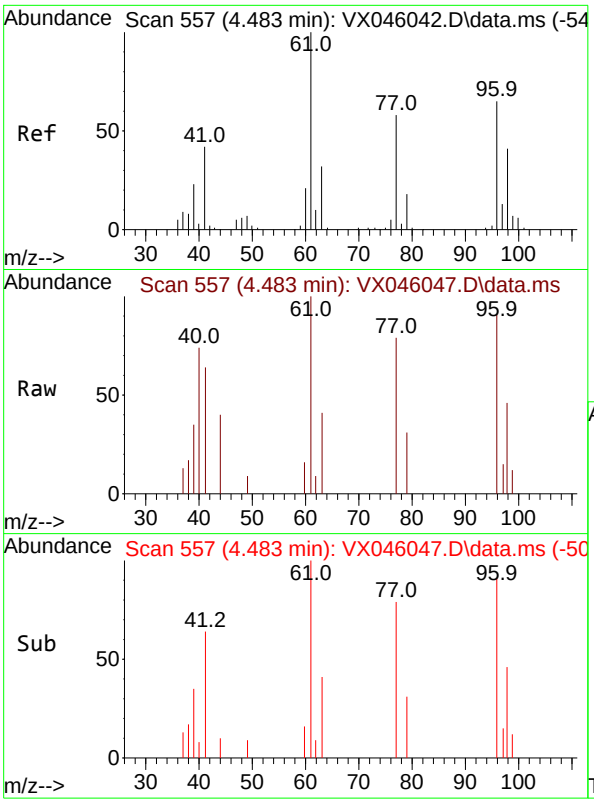


#26
2,2-Dichloropropane
Concen: 0.728 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 77 Resp: 1777

Ion	Ratio	Lower	Upper
77	100		
97	13.7	10.5	31.5





#27
cis-1,2-Dichloroethene
Concen: 0.693 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 96 Resp: 132

Ion	Ratio	Lower	Upper
96	100		
61	145.5	0.0	322.8
98	63.1	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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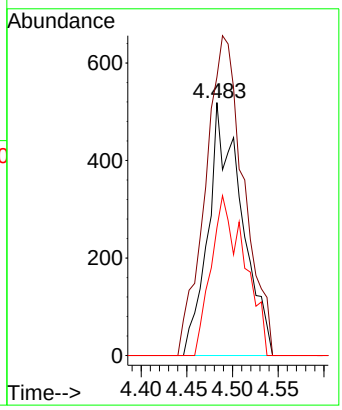
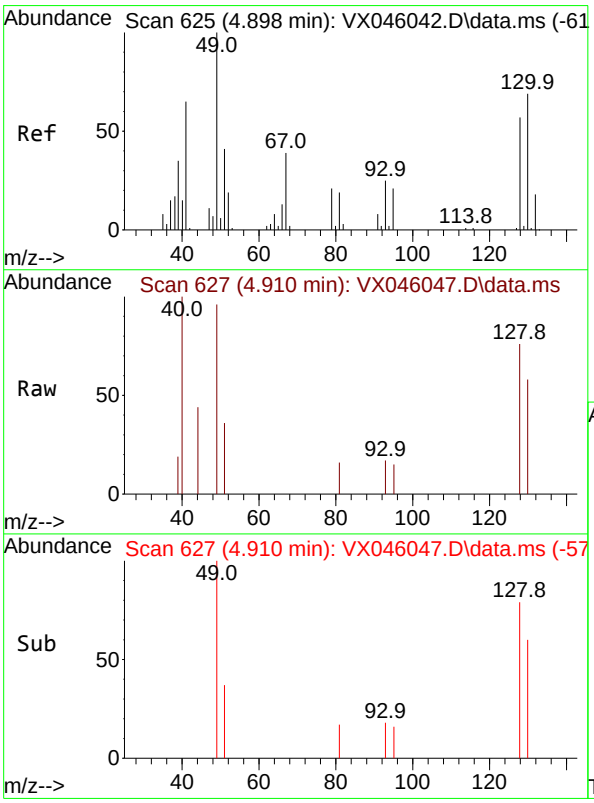
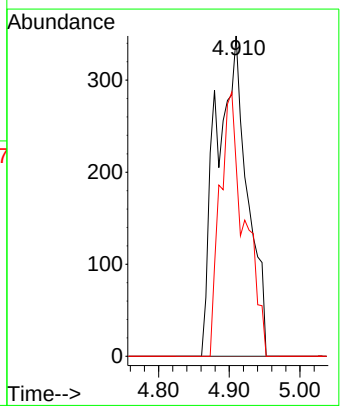


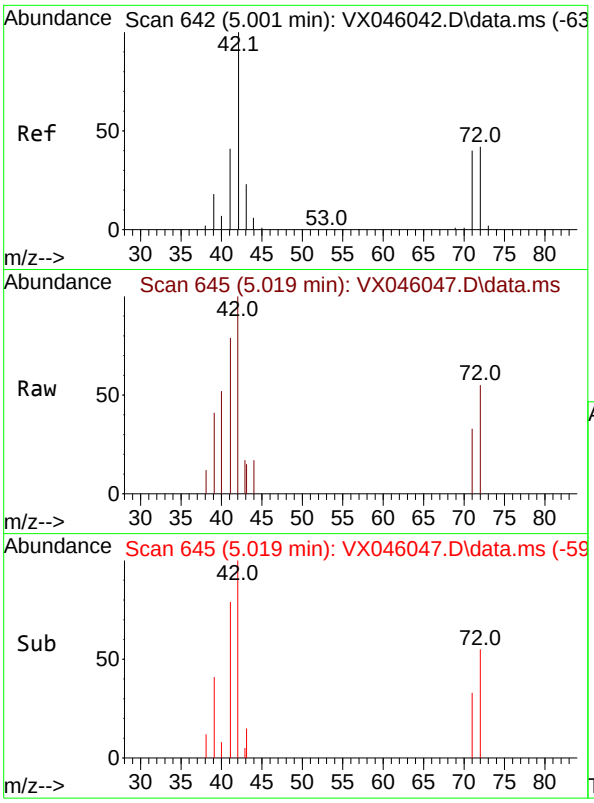


#28
Bromochloromethane
Concen: 0.619 ug/l m
RT: 4.910 min Scan# 627
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 49 Resp: 1061

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	65.3	56.2	84.2





#29
Tetrahydrofuran
Concen: 3.338 ug/l
RT: 5.019 min Scan# 64
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 42 Resp: 293

Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.7	50.5
71	37.7	31.4	47.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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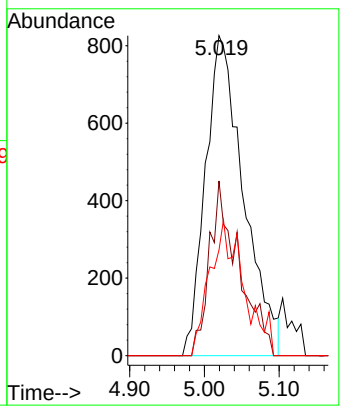
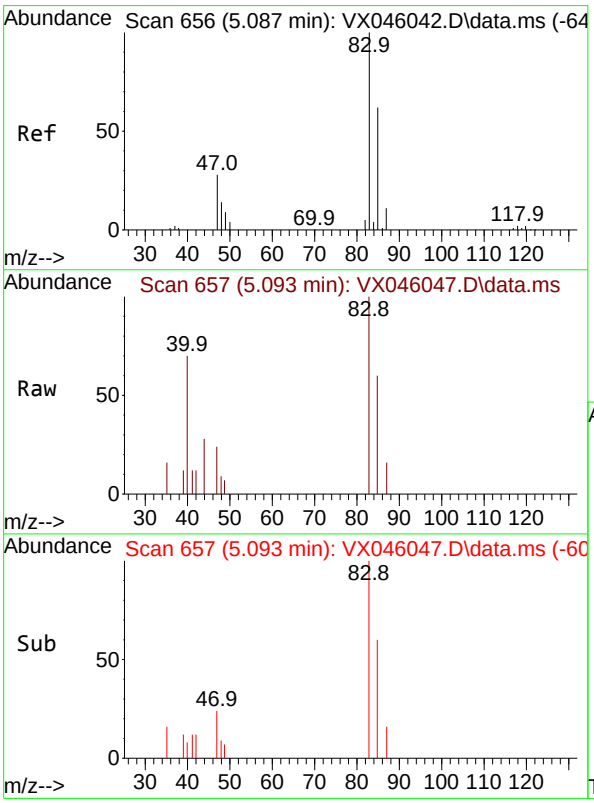
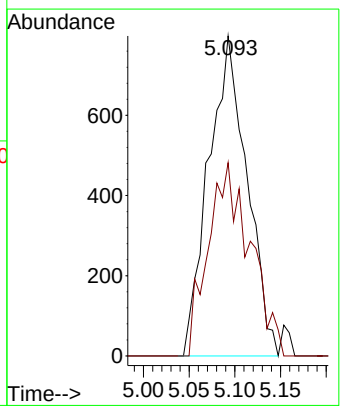


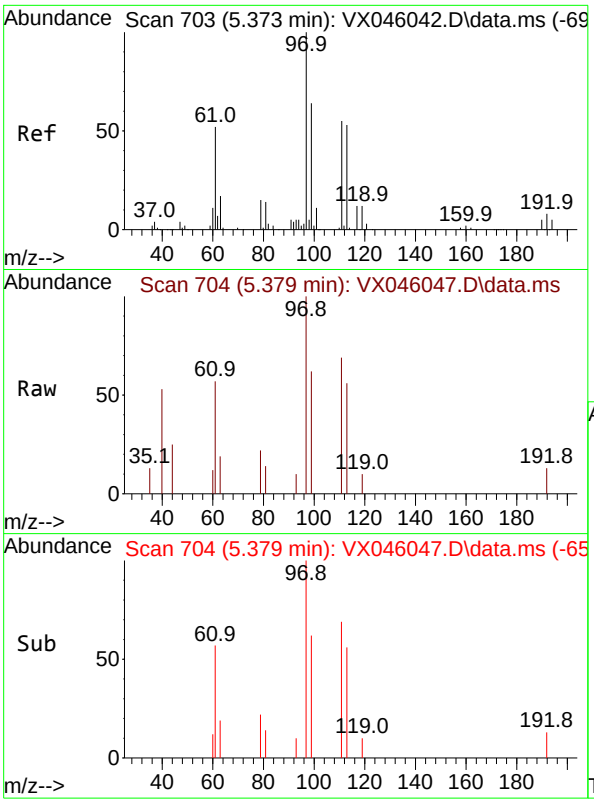


#30
Chloroform
Concen: 0.695 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 83 Resp: 2328

Ion	Ratio	Lower	Upper
83	100		
85	60.4	49.3	73.9

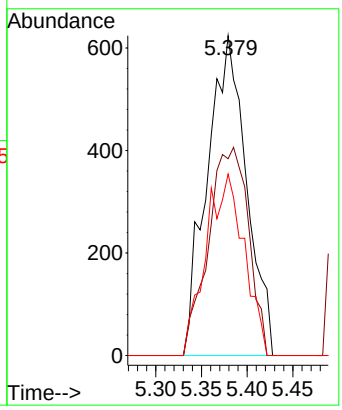




#32
1,1,1-Trichloroethane
Concen: 0.647 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 97 Resp: 186

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.8	77.6
61	55.0	40.1	60.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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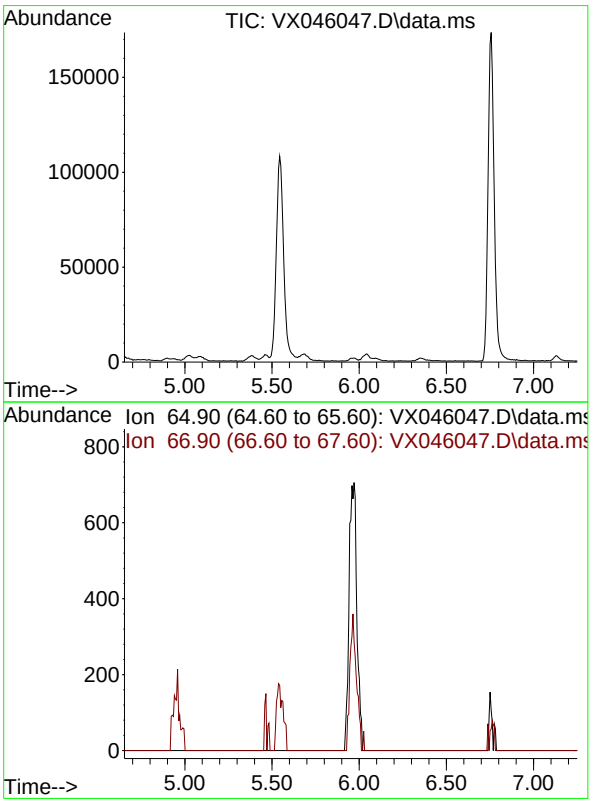
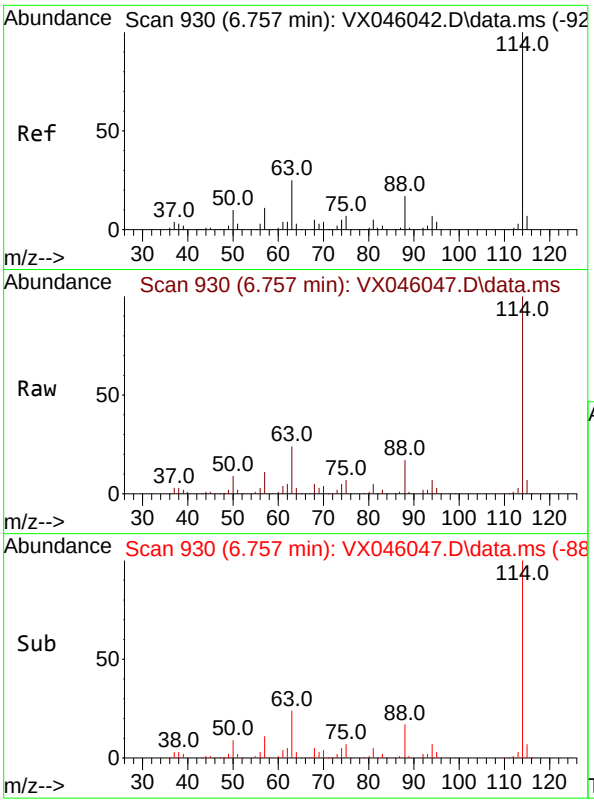


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.95 min

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

Tgt Ion: 65

Sig	Exp Ratio
65	100
67	49.5



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:114 Resp: 16702

Ion	Ratio	Lower	Upper
114	100		
63	24.2	0.0	49.2
88	17.1	0.0	33.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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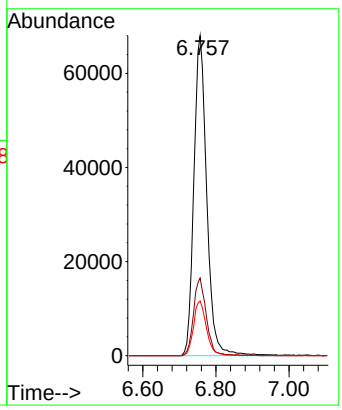
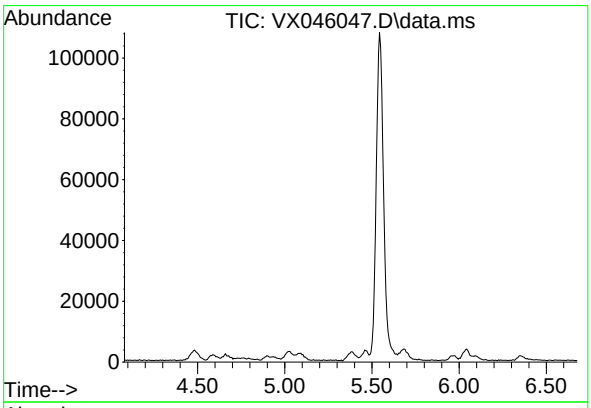


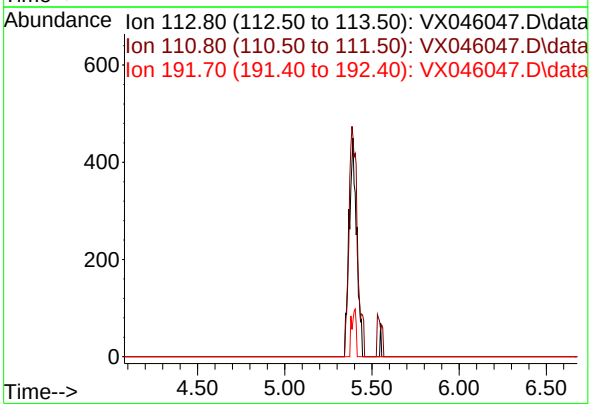


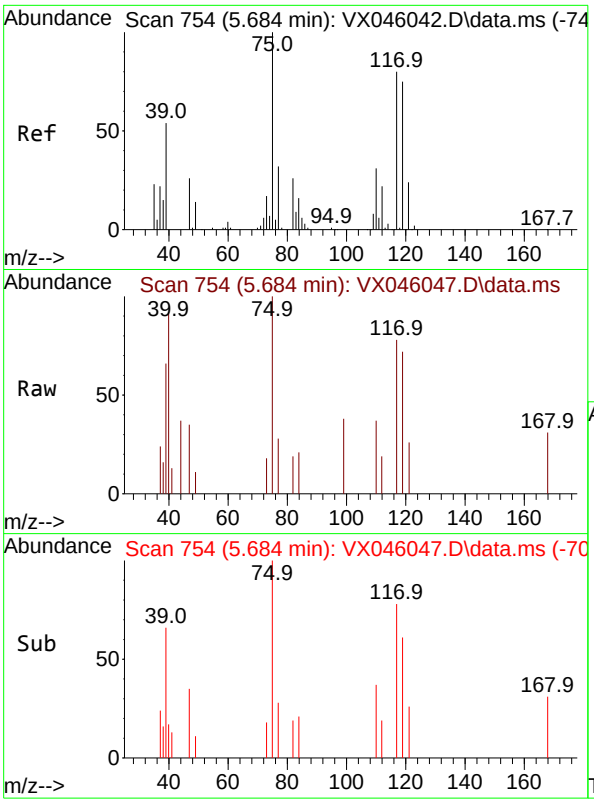
#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.38 min

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

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	103.9
192	16.6

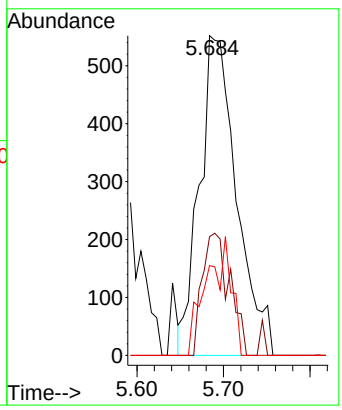




#36
1,1-Dichloropropene
Concen: 0.758 ug/l
RT: 5.684 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 75 Resp: 164

Ion	Ratio	Lower	Upper
75	100		
110	28.2	16.3	48.9
77	15.8	24.3	36.5#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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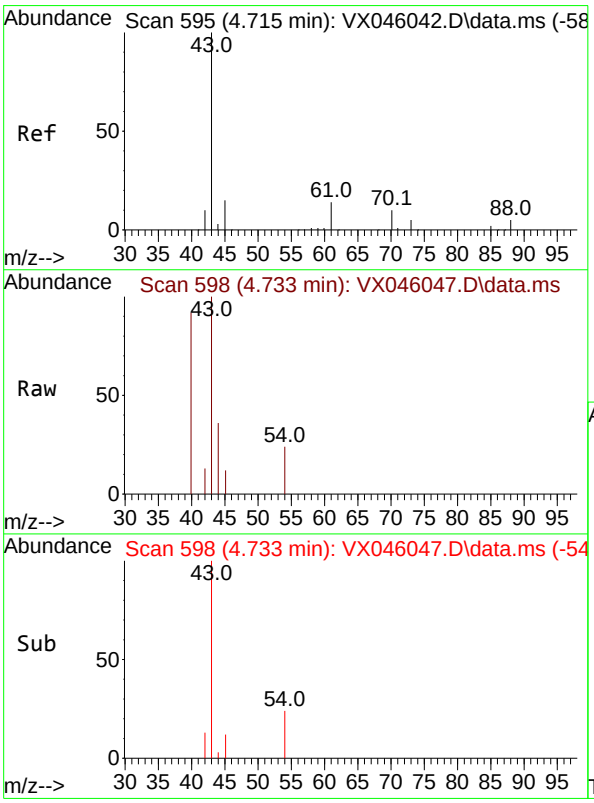
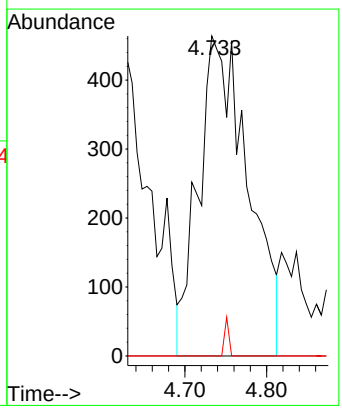
Supervised By :Mahesh Dadoda 05/06/2025

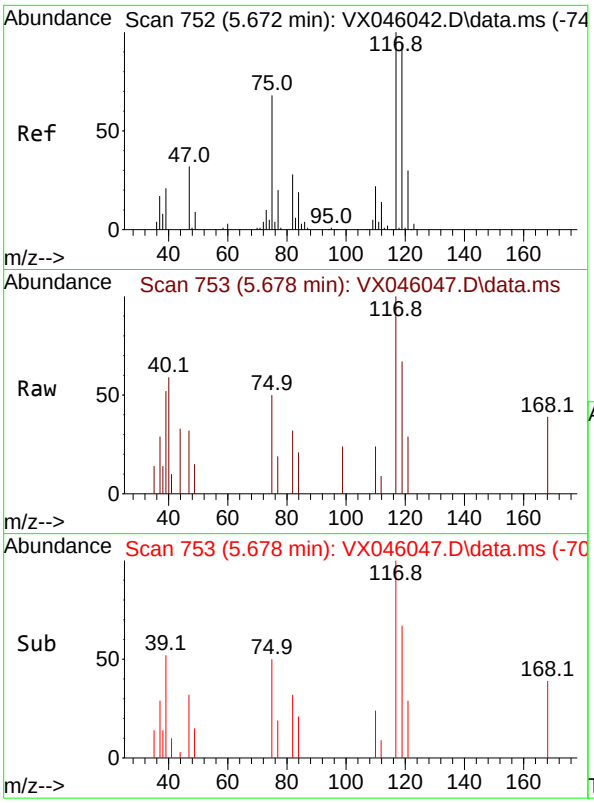


#37
Ethyl Acetate
Concen: 0.717 ug/l m
RT: 4.733 min Scan# 598
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 1956

Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.3	15.5#
70	1.0	7.9	11.9#

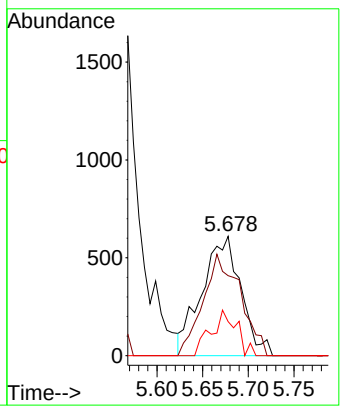




#38
Carbon Tetrachloride
Concen: 0.724 ug/l
RT: 5.678 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:117 Resp: 180

Ion	Ratio	Lower	Upper
117	100		
119	67.0	75.2	112.8
121	28.5	24.2	36.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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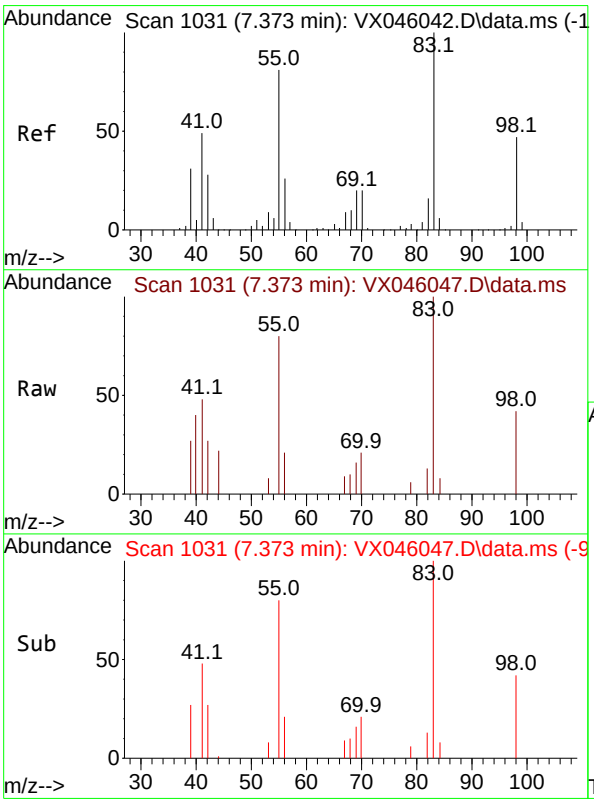
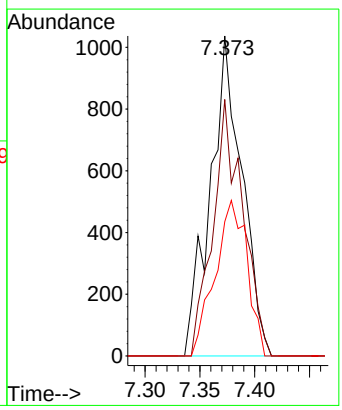
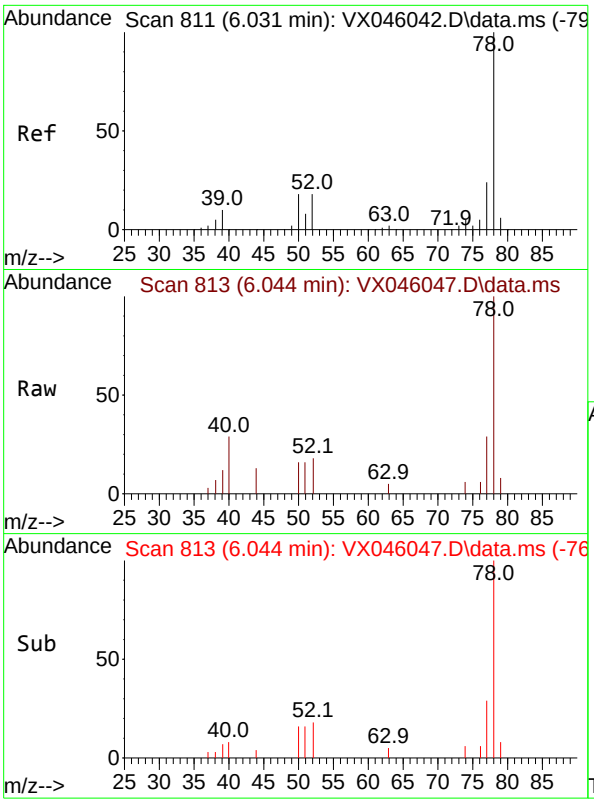


#39
Methylcyclohexane
Concen: 0.770 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 83 Resp: 2096

Ion	Ratio	Lower	Upper
83	100		
55	80.1	64.7	97.1
98	41.9	37.4	56.2





#40
Benzene
Concen: 0.668 ug/l
RT: 6.044 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 78 Resp: 450

Ion	Ratio	Lower	Upper
78	100		
77	29.1	19.0	28.4#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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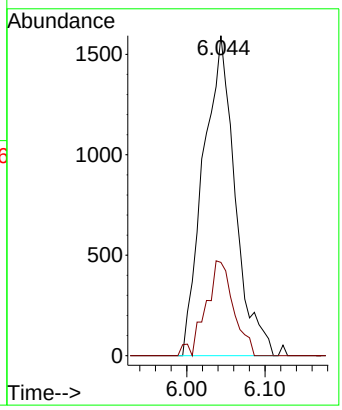
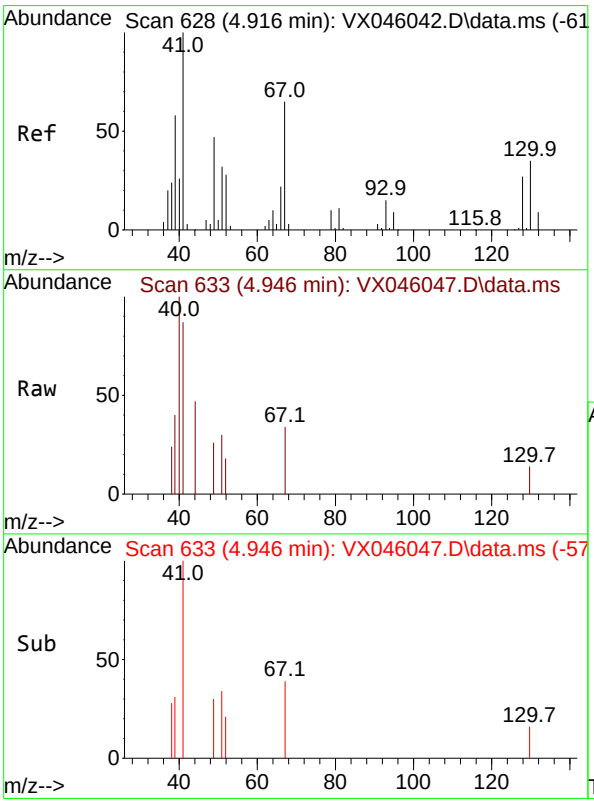
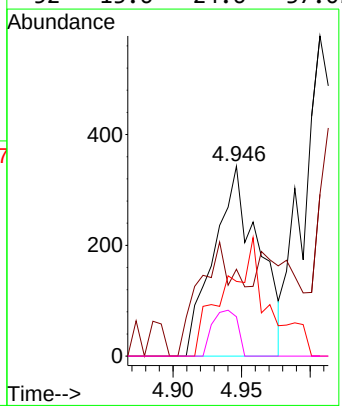


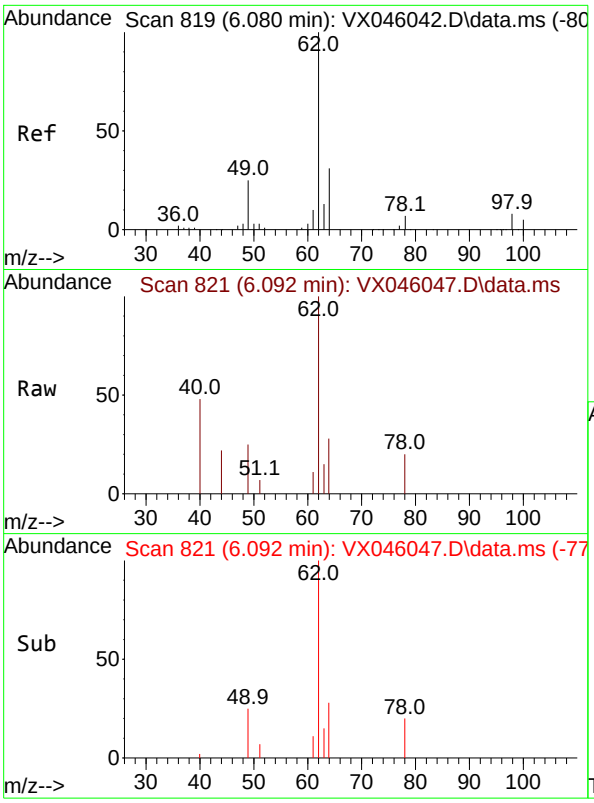


#41
Methacrylonitrile
Concen: 0.513 ug/l
RT: 4.946 min Scan# 633
Delta R.T. 0.030 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 41 Resp: 778

Ion	Ratio	Lower	Upper
41	100		
39	51.7	47.2	70.8
67	0.0	50.7	76.1#
52	13.6	24.6	37.0#

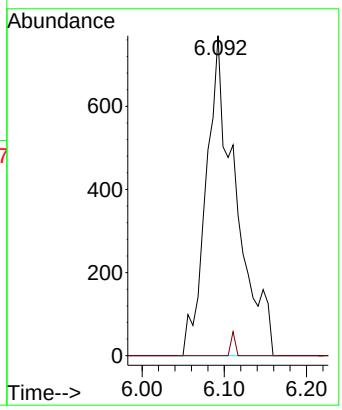




#42
1,2-Dichloroethane
Concen: 0.694 ug/l
RT: 6.092 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 62 Resp: 193

Ion	Ratio	Lower	Upper
62	100		
98	1.1	0.0	15.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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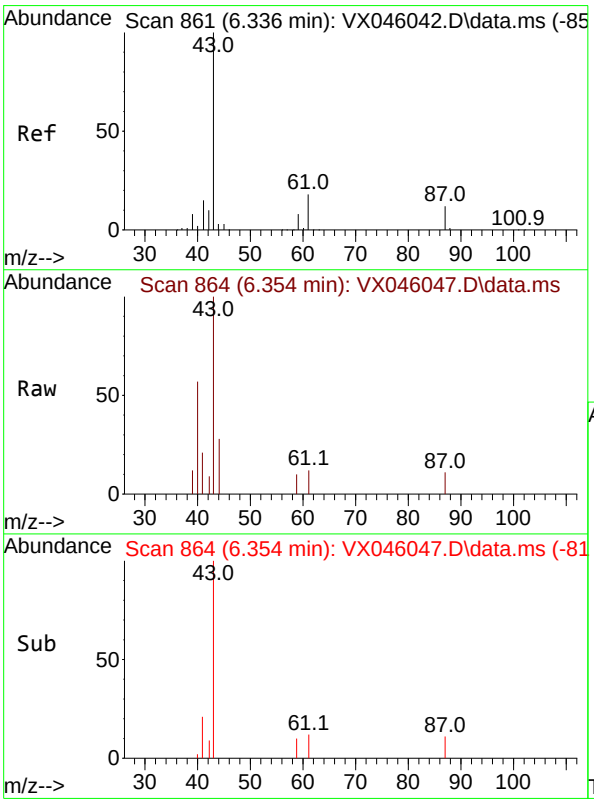
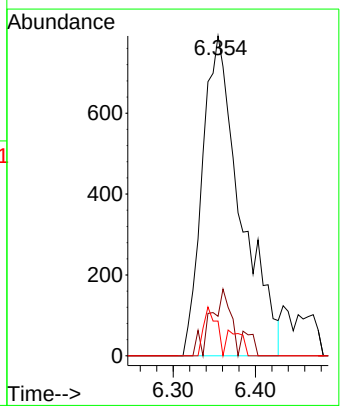
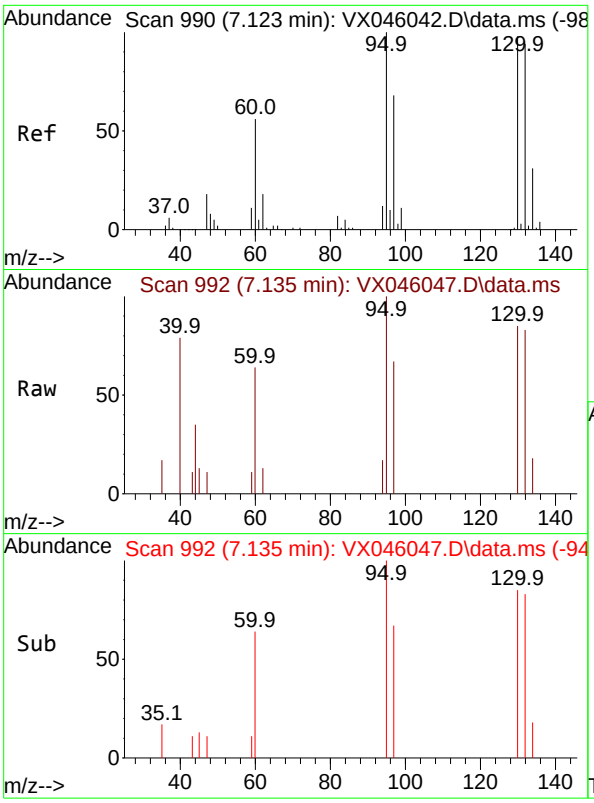


#43
Isopropyl Acetate
Concen: 0.612 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 2553

Ion	Ratio	Lower	Upper
43	100		
61	10.7	14.3	21.5#
87	3.2	9.5	14.3#





#44
Trichloroethene
Concen: 0.680 ug/l
RT: 7.135 min Scan# 9
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:130 Resp: 108

Ion	Ratio	Lower	Upper
130	100		
95	117.3	0.0	204.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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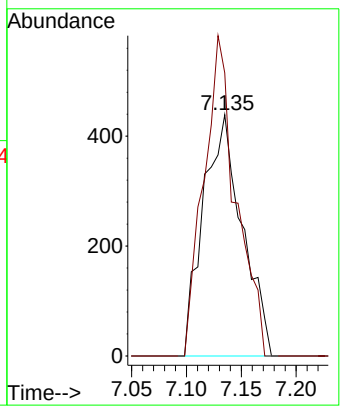
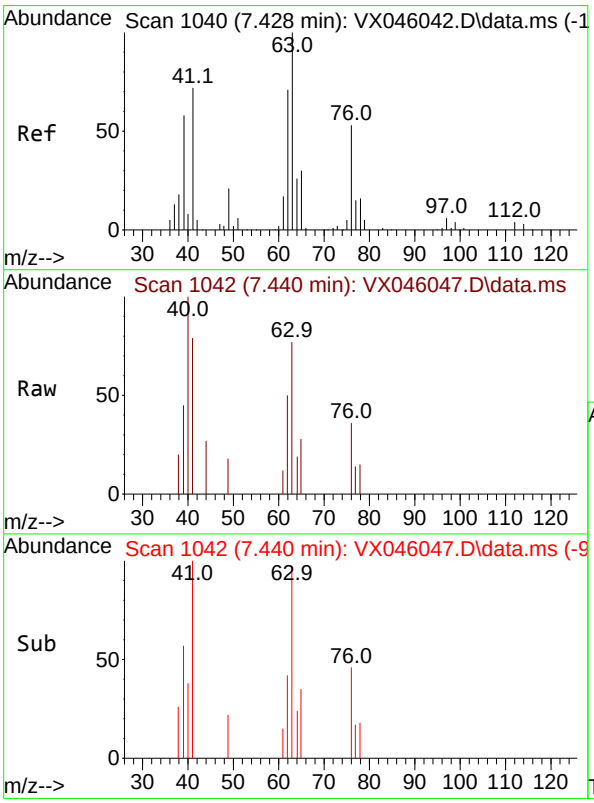
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

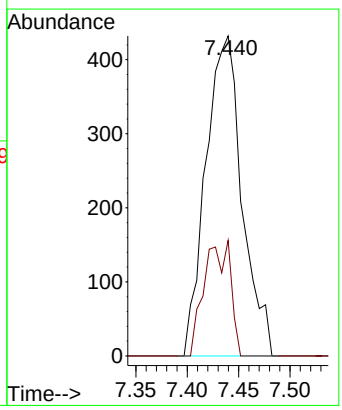


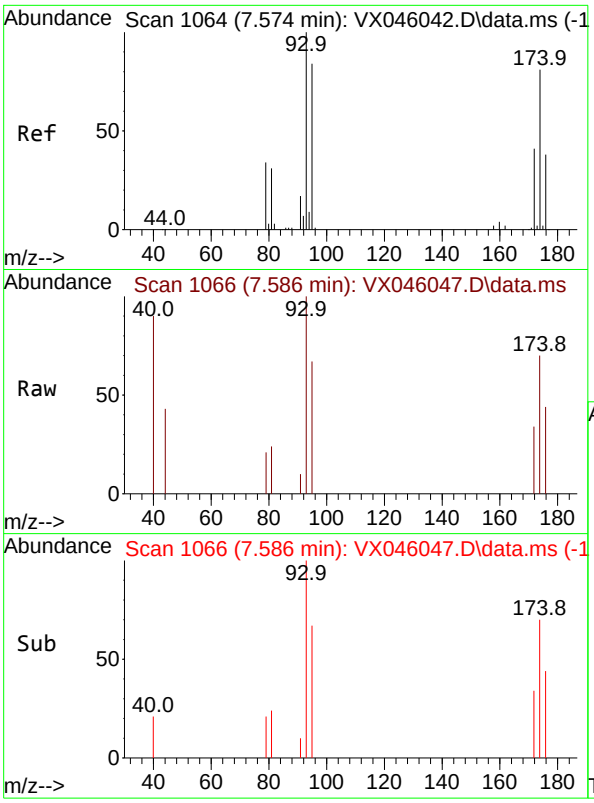


#45
1,2-Dichloropropane
Concen: 0.633 ug/l
RT: 7.440 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 63 Resp: 1059

Ion	Ratio	Lower	Upper
63	100		
65	36.1	24.1	36.1

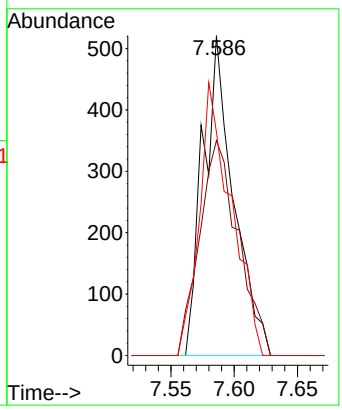




#46
Dibromomethane
Concen: 0.667 ug/l
RT: 7.586 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 93 Resp: 88

Ion	Ratio	Lower	Upper
93	100		
95	84.5	65.6	98.4
174	88.5	68.2	102.2



Instrument :
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ClientSampleId :
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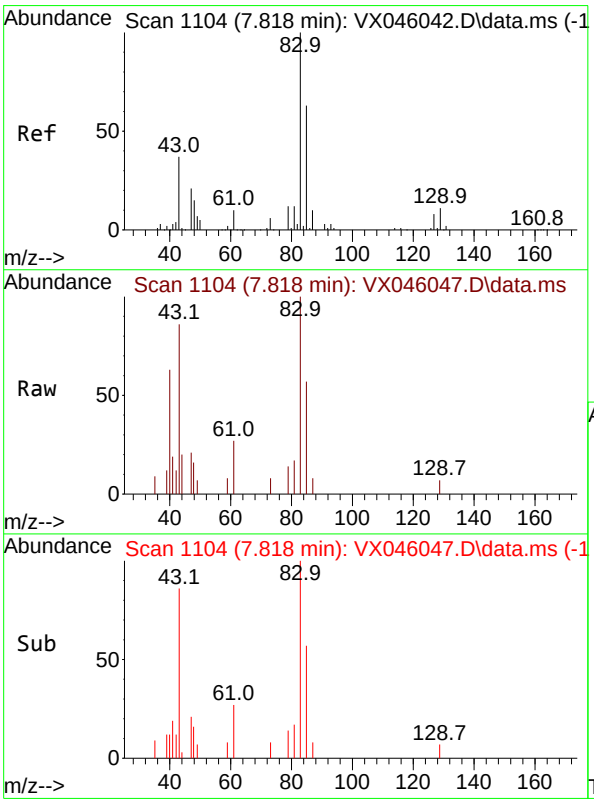
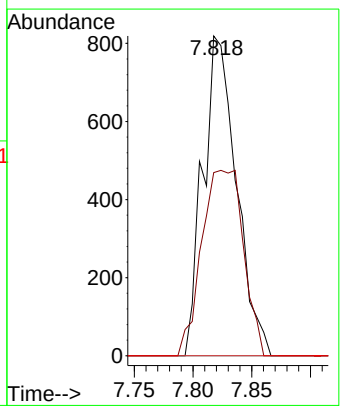
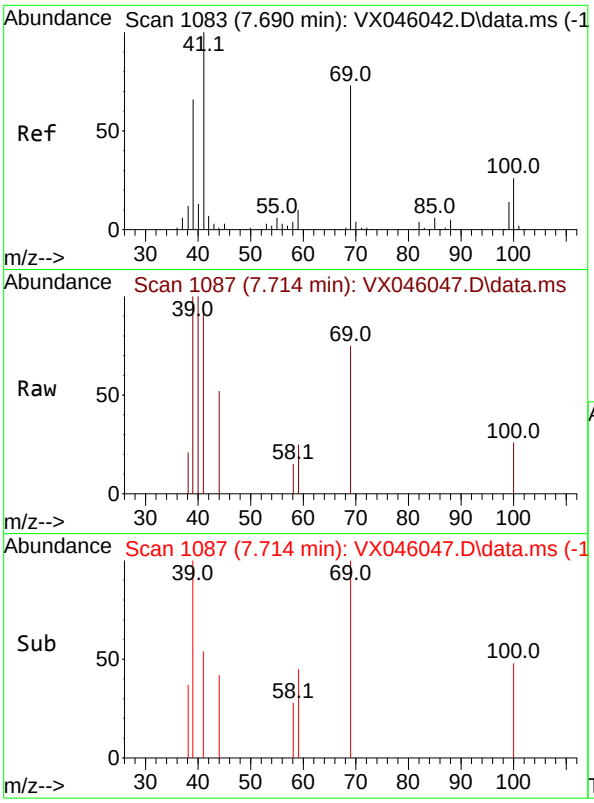


#47
Bromodichloromethane
Concen: 0.633 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 83 Resp: 1620

Ion	Ratio	Lower	Upper
83	100		
85	57.3	50.5	75.7
127	0.0	6.5	9.7#

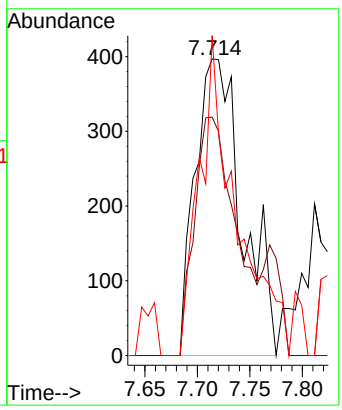




#48
Methyl methacrylate
Concen: 0.577 ug/l m
RT: 7.714 min Scan# 1
Delta R.T. 0.024 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 41 Resp: 123

Ion	Ratio	Lower	Upper
41	100		
69	70.6	58.5	87.7
39	84.8	51.7	77.5#



Instrument :
MSVOA_X
ClientSampleId :
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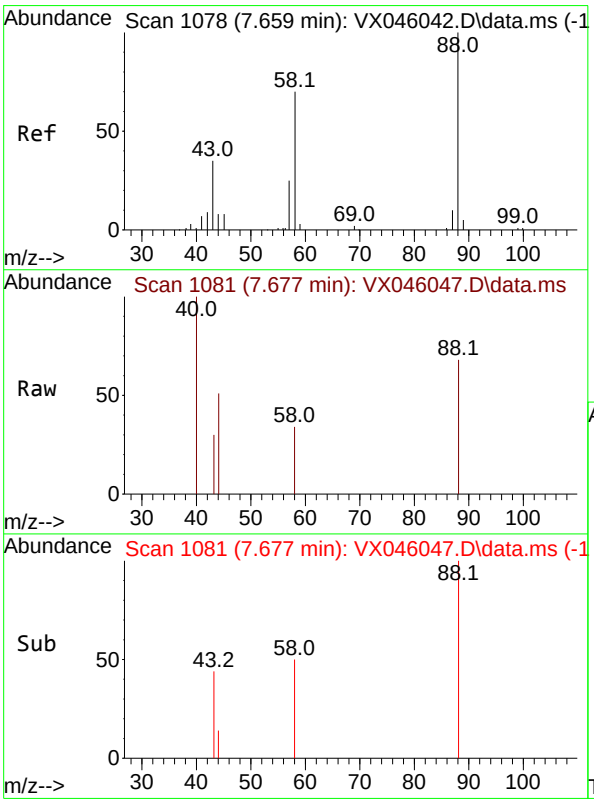
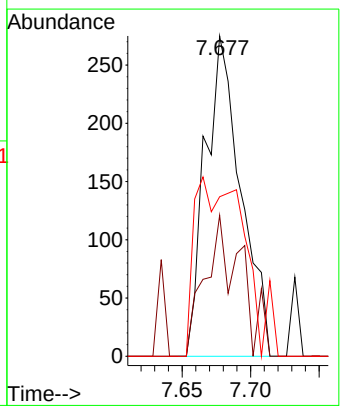
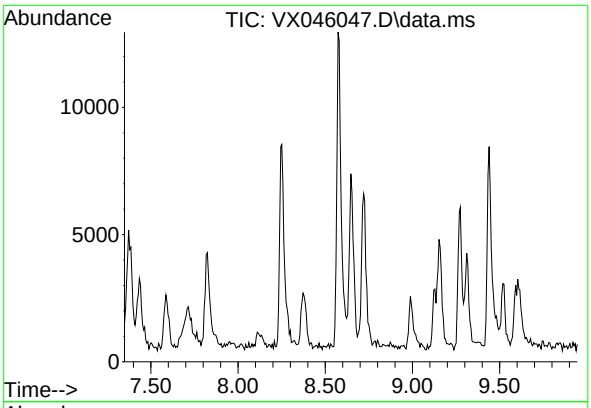


#49
1,4-Dioxane
Concen: 11.703 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 88 Resp: 498

Ion	Ratio	Lower	Upper
88	100		
43	44.4	33.4	50.2
58	30.3	58.6	88.0#





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.65 min

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

Tgt Ion: 98

Sig	Exp Ratio
98	100
100	66.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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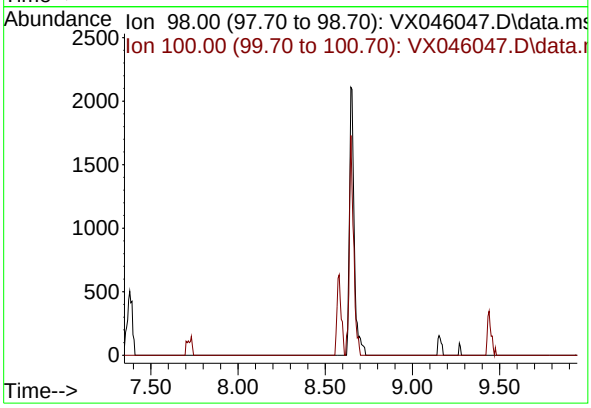
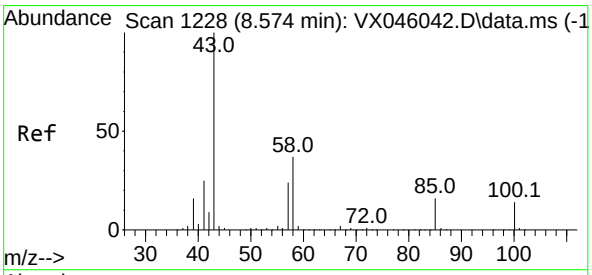
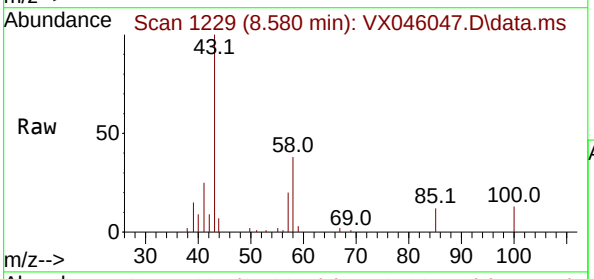


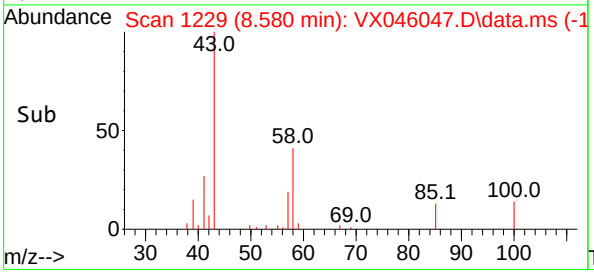


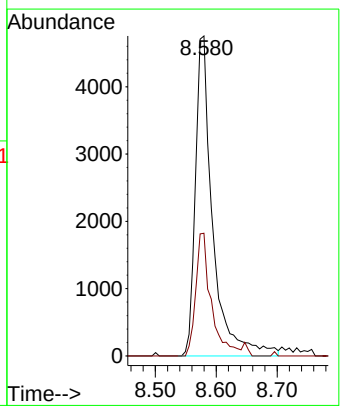
#51
4-Methyl-2-Pentanone
Concen: 3.430 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

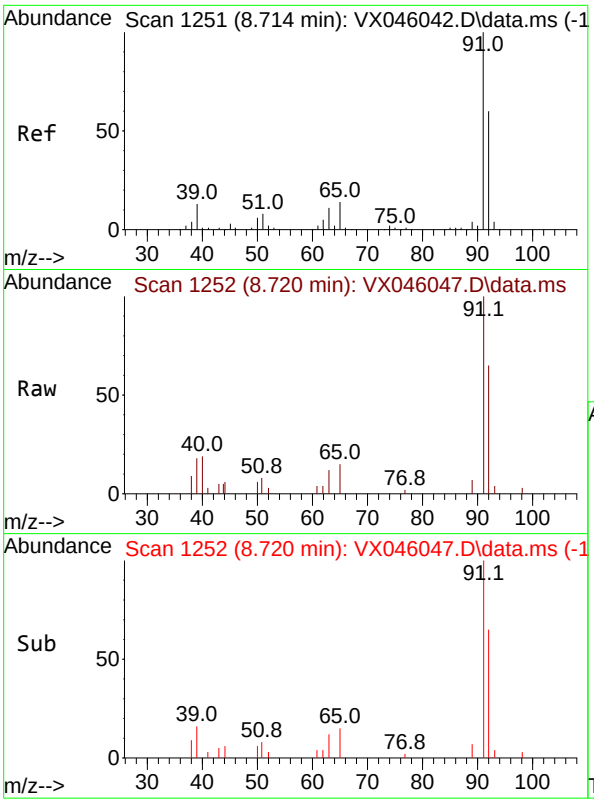
Tgt Ion: 43 Resp: 9378

Ion	Ratio	Lower	Upper
43	100		
58	34.4	28.9	43.3









#52
Toluene
Concen: 0.672 ug/l
RT: 8.720 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 92 Resp: 268

Ion	Ratio	Lower	Upper
92	100		
91	165.7	136.6	205.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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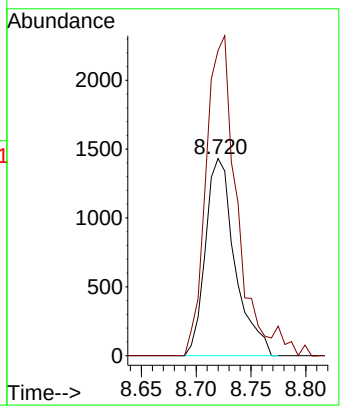
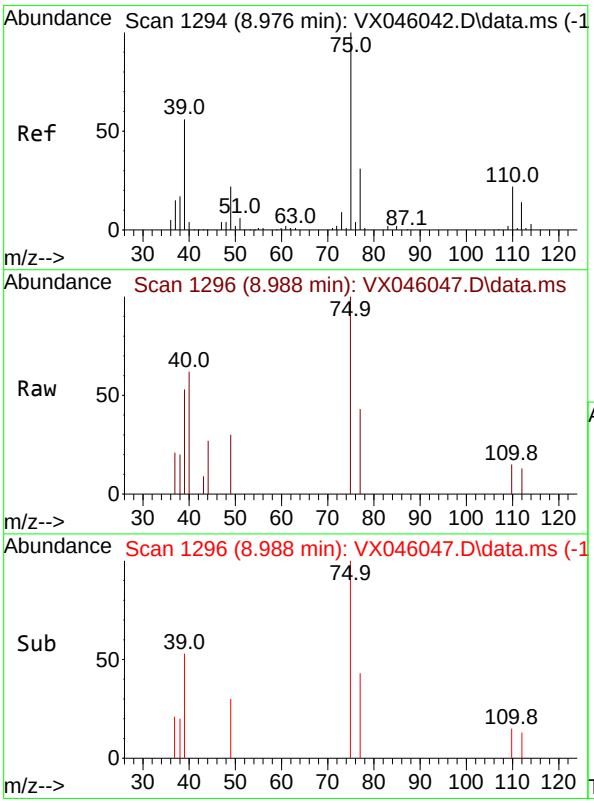
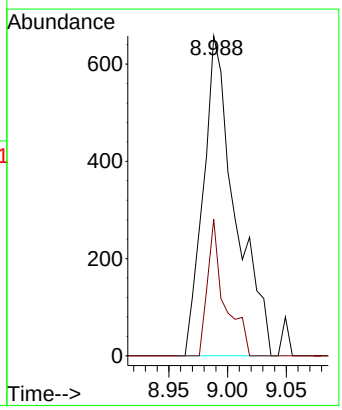


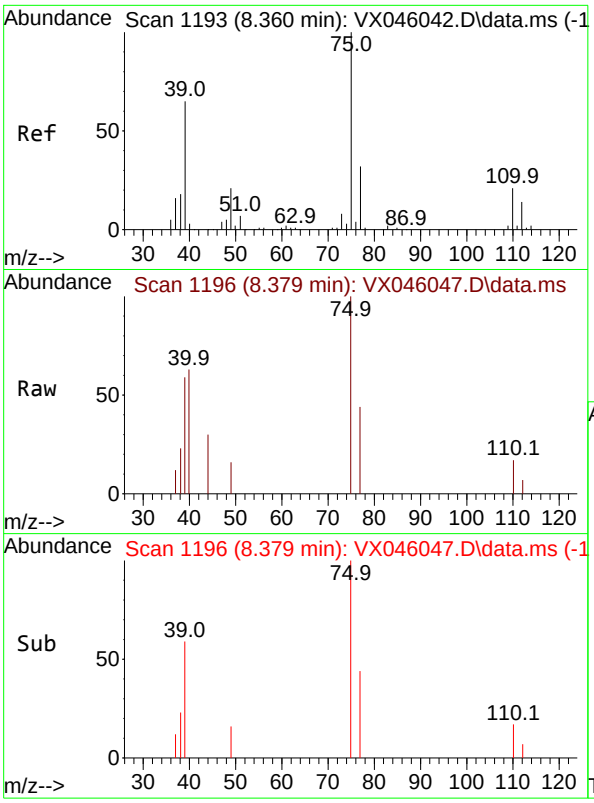


#53
t-1,3-Dichloropropene
Concen: 0.576 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 75 Resp: 1238

Ion	Ratio	Lower	Upper
75	100		
77	42.7	25.0	37.6#

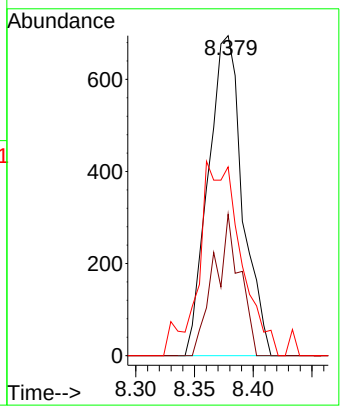




#54
cis-1,3-Dichloropropene
Concen: 0.564 ug/l
RT: 8.379 min Scan# 1
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 75 Resp: 141

Ion	Ratio	Lower	Upper
75	100		
77	44.2	25.4	38.0
39	59.0	52.2	78.4



Instrument :
MSVOA_X
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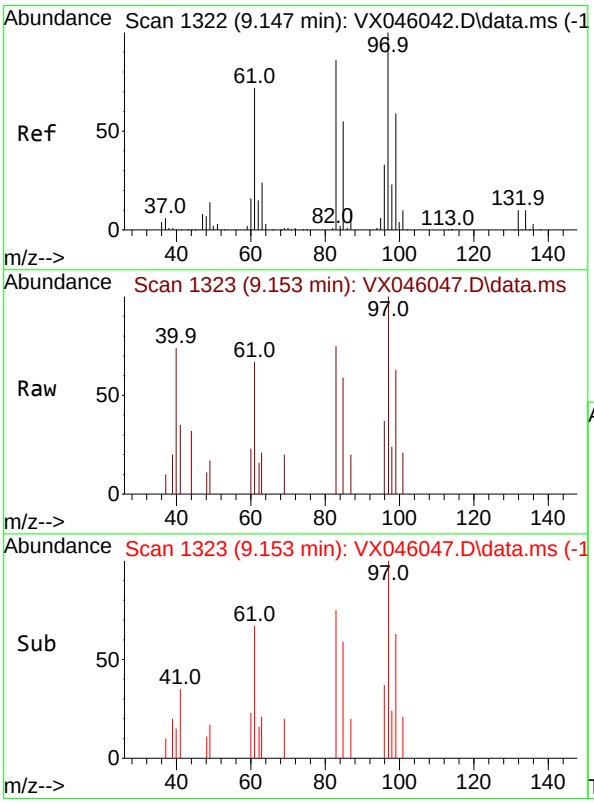
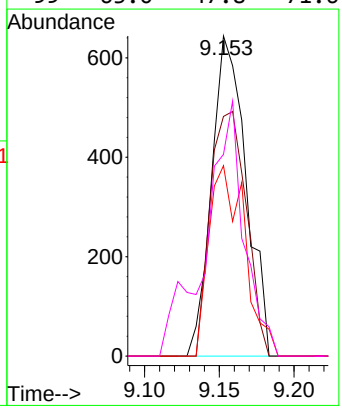
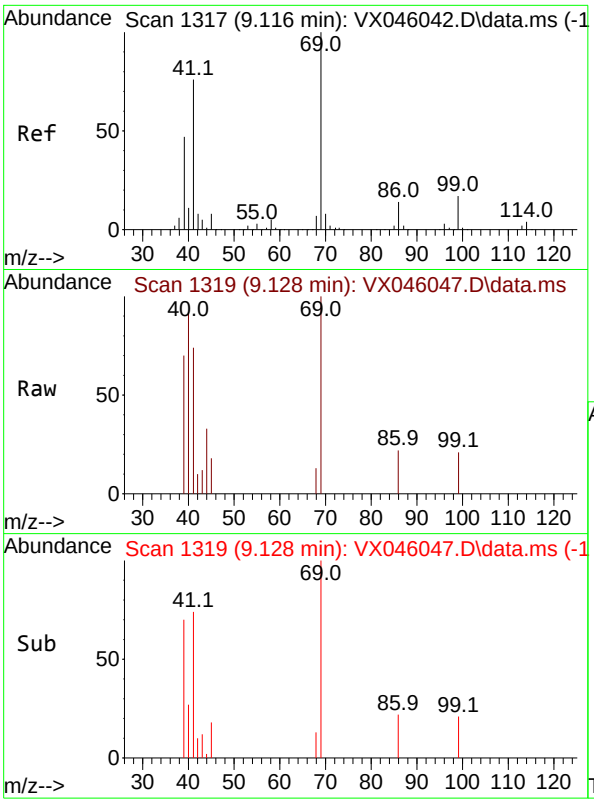


#55
1,1,2-Trichloroethane
Concen: 0.637 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 97 Resp: 1029

Ion	Ratio	Lower	Upper
97	100		
83	74.8	69.0	103.6
85	59.5	44.3	66.5
99	63.0	47.8	71.6

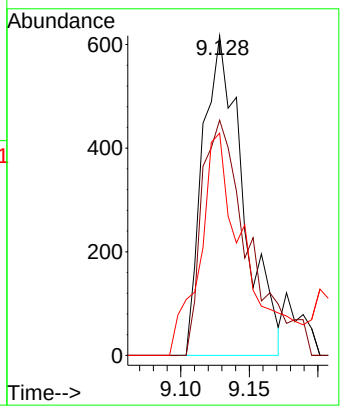




#56
Ethyl methacrylate
Concen: 0.504 ug/l
RT: 9.128 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 69 Resp: 126

Ion	Ratio	Lower	Upper
69	100		
41	86.6	60.8	91.2
39	78.0	39.0	58.6#



Instrument :
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ClientSampleId :
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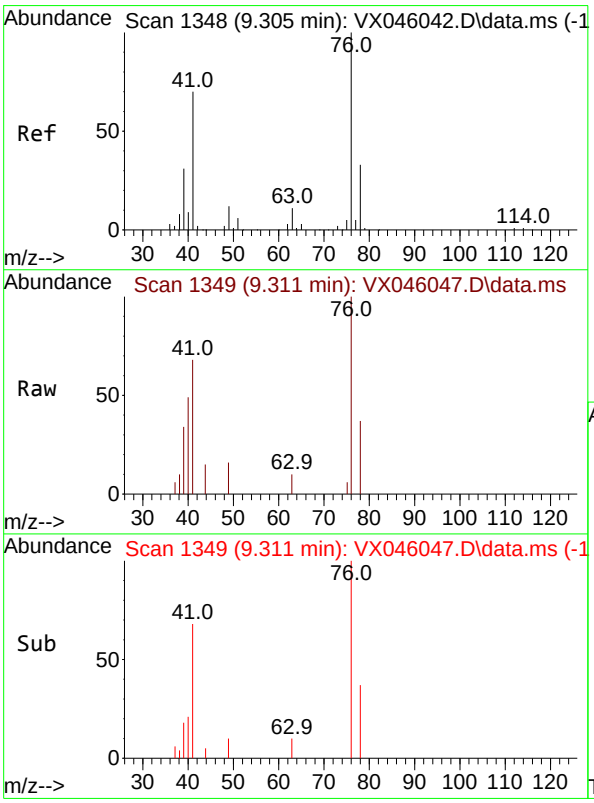
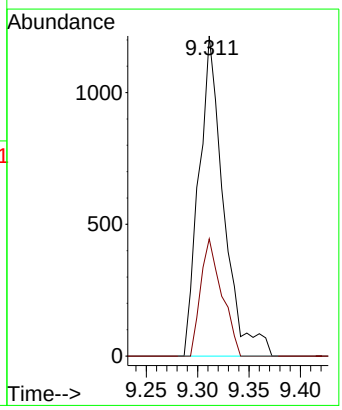
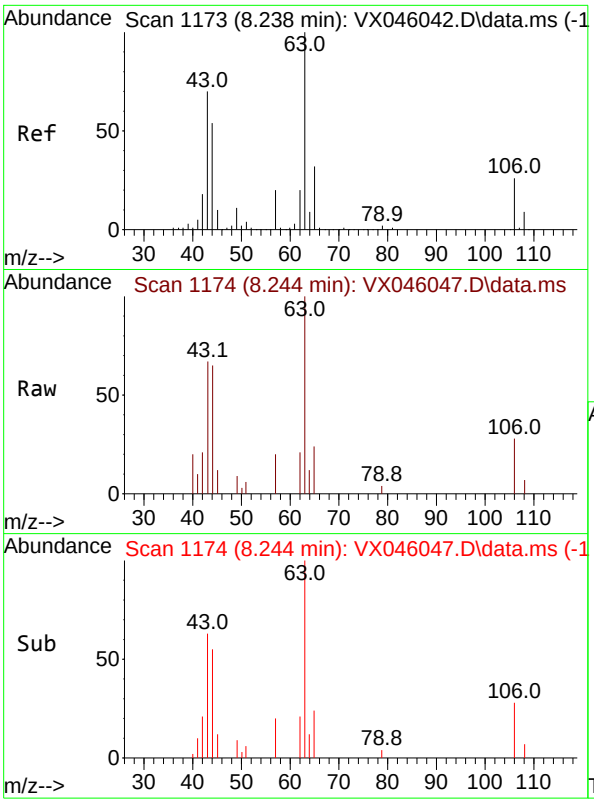


#57
1,3-Dichloropropane
Concen: 0.711 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 76 Resp: 2036

Ion	Ratio	Lower	Upper
76	100		
78	31.4	26.3	39.5





#58
2-Chloroethyl Vinyl ether
Concen: 3.420 ug/l
RT: 8.244 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 63 Resp: 384

Ion	Ratio	Lower	Upper
63	100		
106	24.0	21.5	32.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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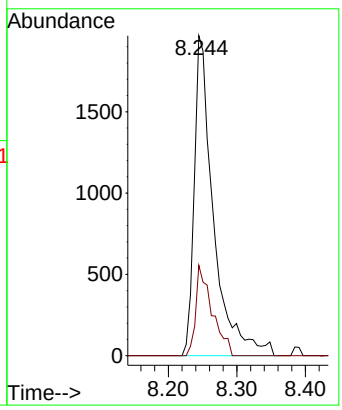
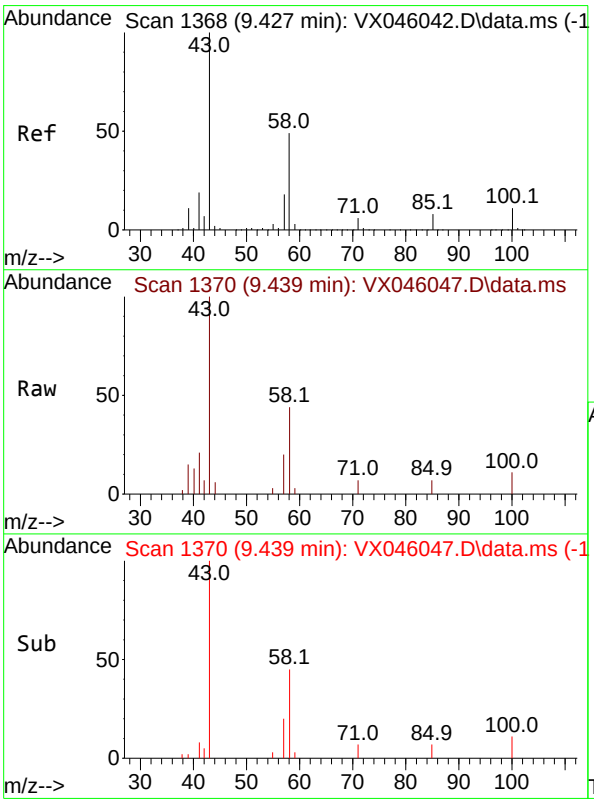
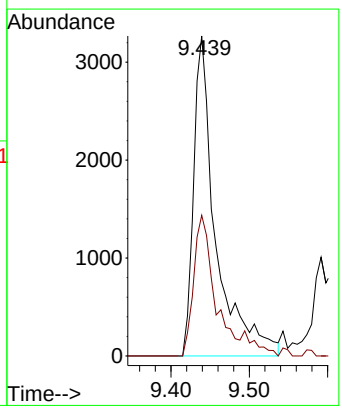


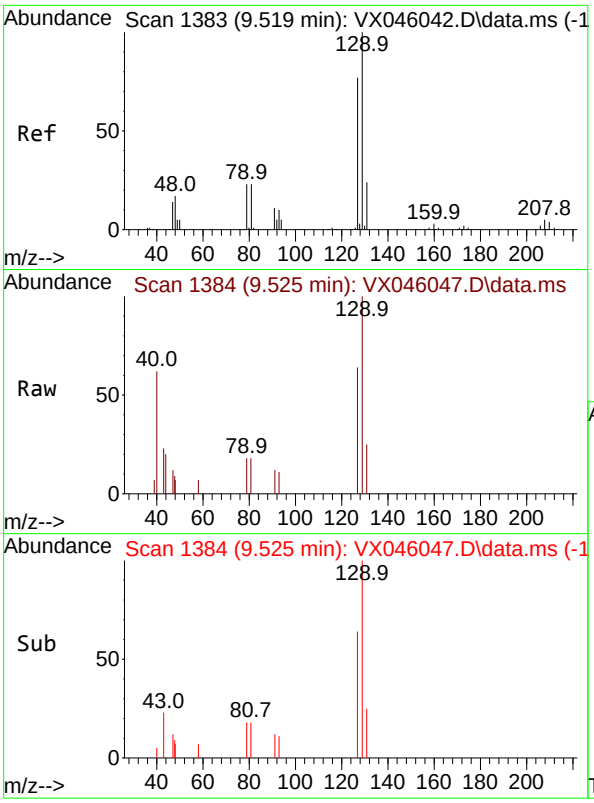


#59
2-Hexanone
Concen: 3.096 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 6424

Ion	Ratio	Lower	Upper
43	100		
58	41.6	24.9	74.6

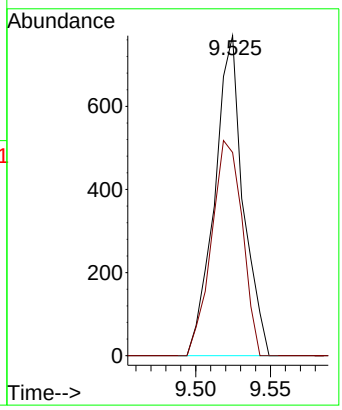




#60
Dibromochloromethane
Concen: 0.582 ug/l
RT: 9.525 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:129 Resp: 102

Ion	Ratio	Lower	Upper
129	100		
127	72.5	39.3	117.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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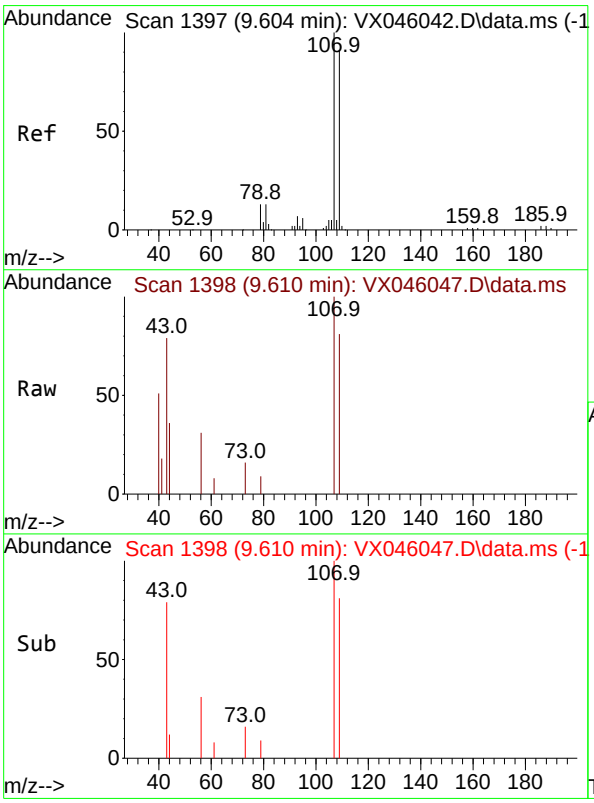
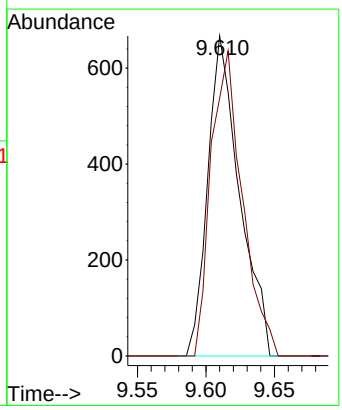
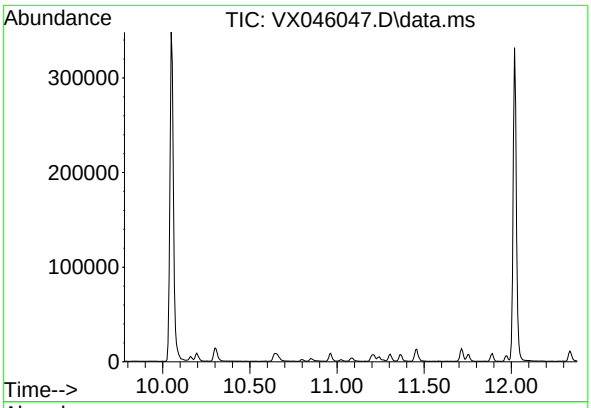


#61
1,2-Dibromoethane
Concen: 0.650 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:107 Resp: 1077

Ion	Ratio	Lower	Upper
107	100		
109	94.0	73.3	109.9





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

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

Tgt Ion: 95

Sig	Exp Ratio
95	100
174	67.9
176	65.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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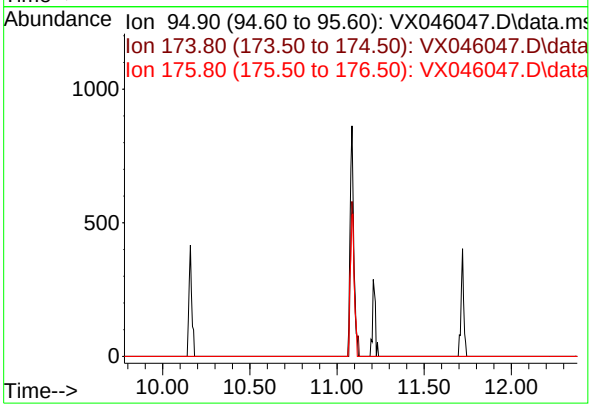
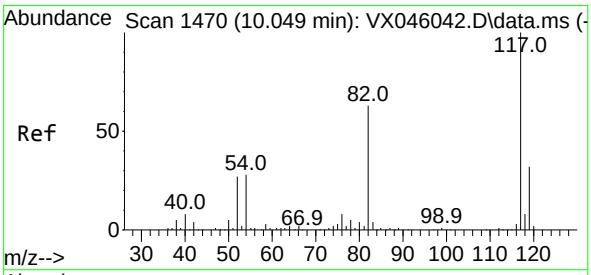
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

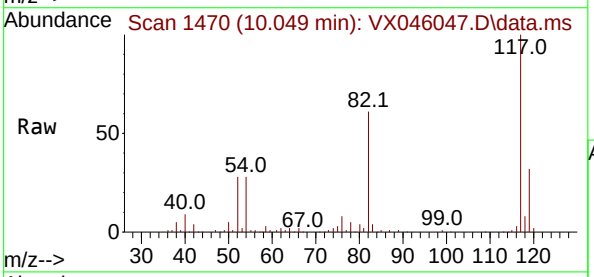


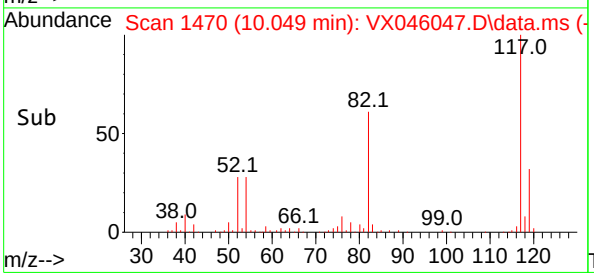


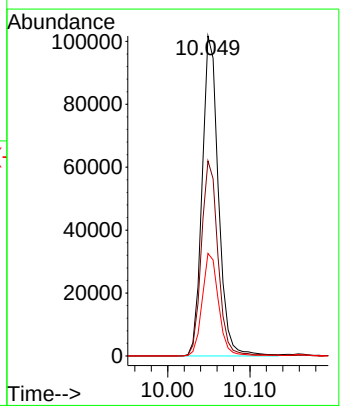
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

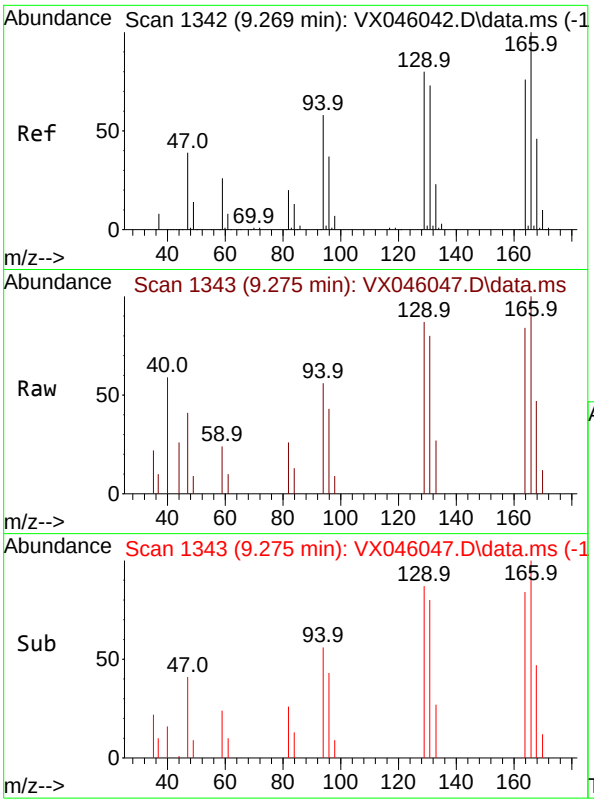
Tgt Ion:117 Resp: 140108

Ion	Ratio	Lower	Upper
117	100		
82	61.0	50.6	76.0
119	32.1	25.8	38.6





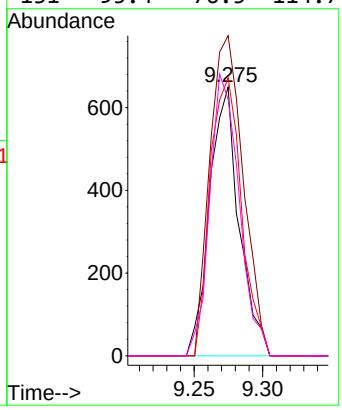




#64
Tetrachloroethene
Concen: 0.679 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:164 Resp: 97

Ion	Ratio	Lower	Upper
164	100		
166	119.1	105.0	157.6
129	103.4	83.5	125.3
131	95.4	76.5	114.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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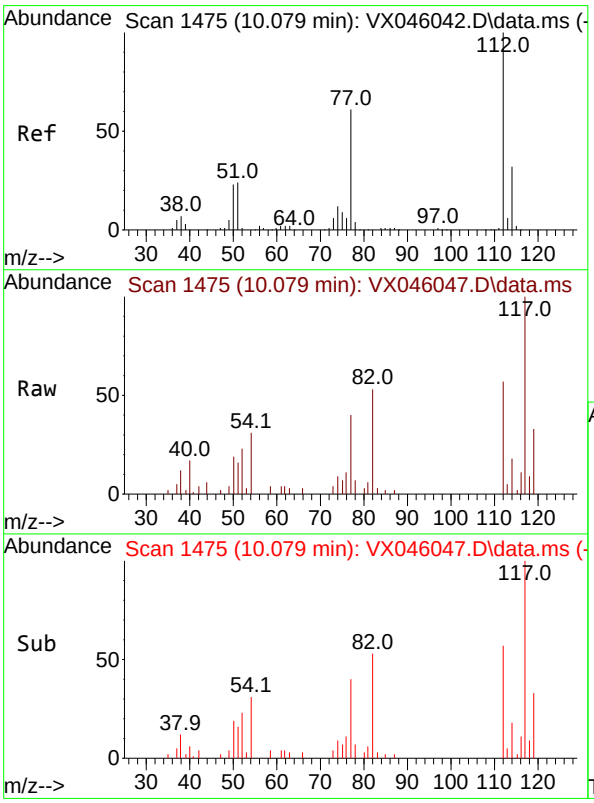
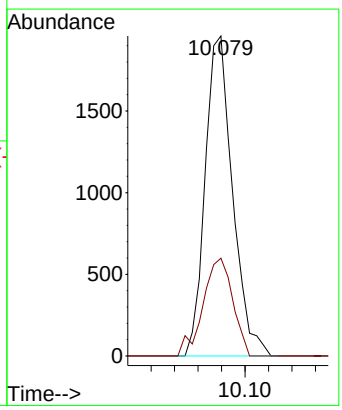
Supervised By :Mahesh Dadoda 05/06/2025

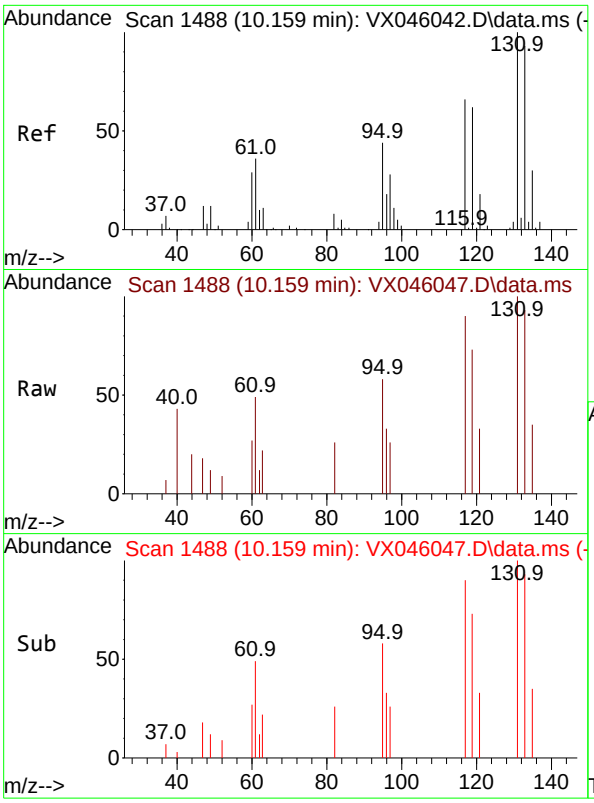


#65
Chlorobenzene
Concen: 0.735 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:112 Resp: 3170

Ion	Ratio	Lower	Upper
112	100		
114	30.6	25.4	38.2





#66
1,1,1,2-Tetrachloroethane
Concen: 0.720 ug/l
RT: 10.159 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:131 Resp: 103

Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.3	141.9
119	0.0	31.6	95.0#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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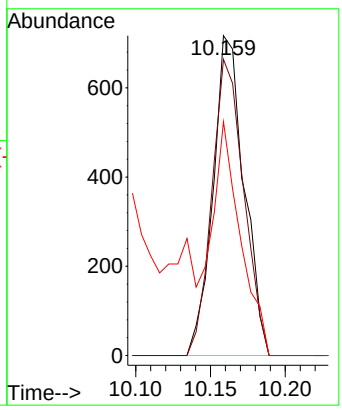
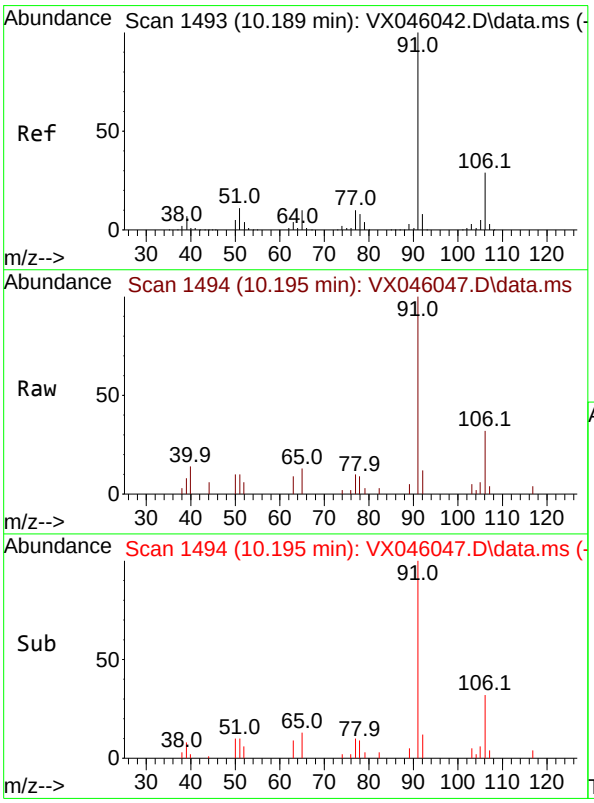
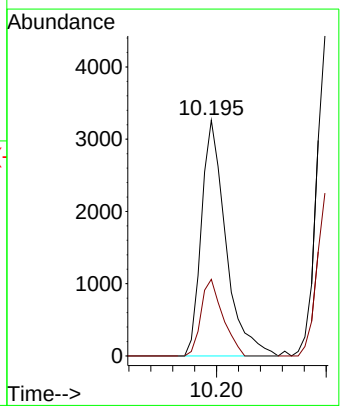


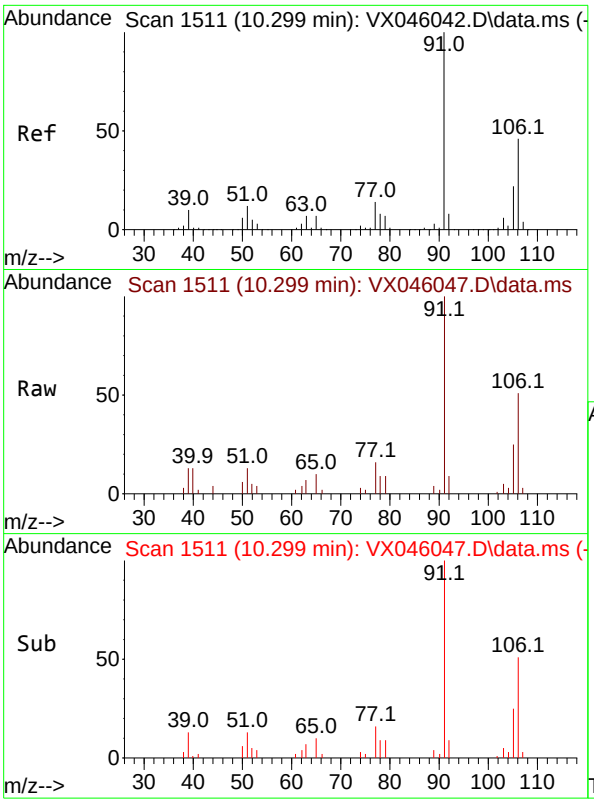


#67
Ethyl Benzene
Concen: 0.687 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 91 Resp: 5052

Ion	Ratio	Lower	Upper
91	100		
106	32.5	23.4	35.2

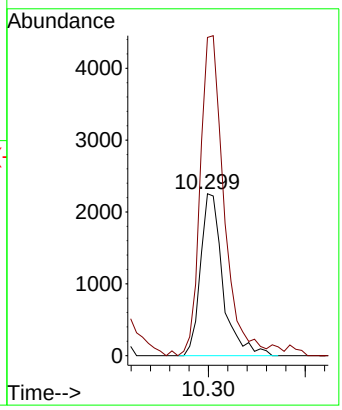




#68
m/p-Xylenes
Concen: 1.367 ug/l
RT: 10.299 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:106 Resp: 363

Ion	Ratio	Lower	Upper
106	100		
91	209.8	171.2	256.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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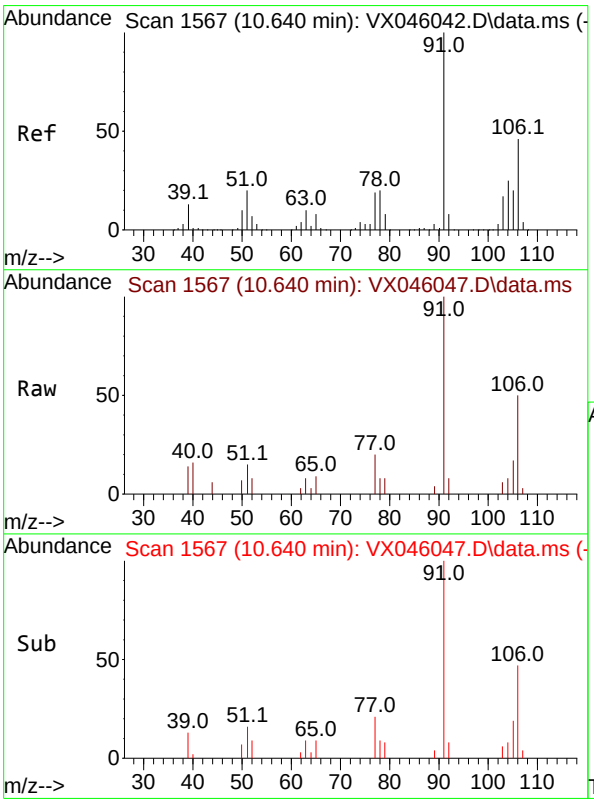
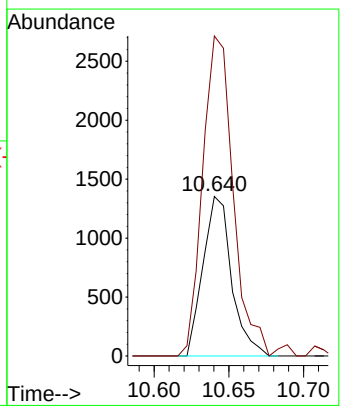
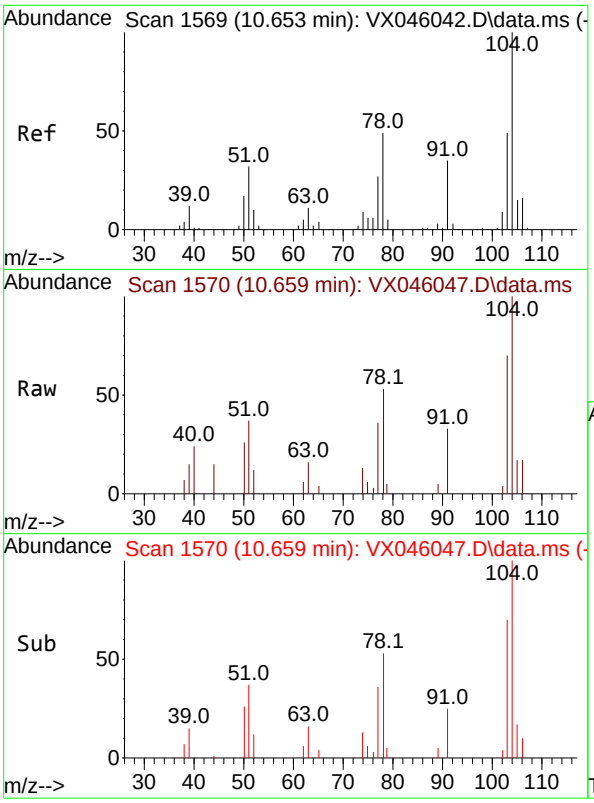


#69
o-Xylene
Concen: 0.672 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:106 Resp: 1799

Ion	Ratio	Lower	Upper
106	100		
91	214.9	112.7	338.1

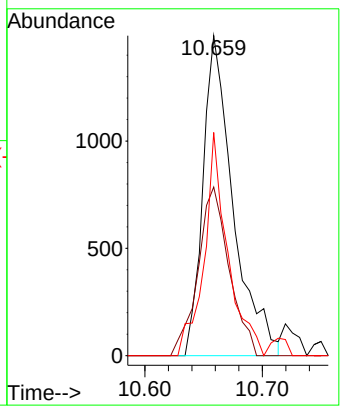




#70
Styrene
Concen: 0.622 ug/l
RT: 10.659 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:104 Resp: 266

Ion	Ratio	Lower	Upper
104	100		
78	54.3	45.7	68.5
103	53.9	43.7	65.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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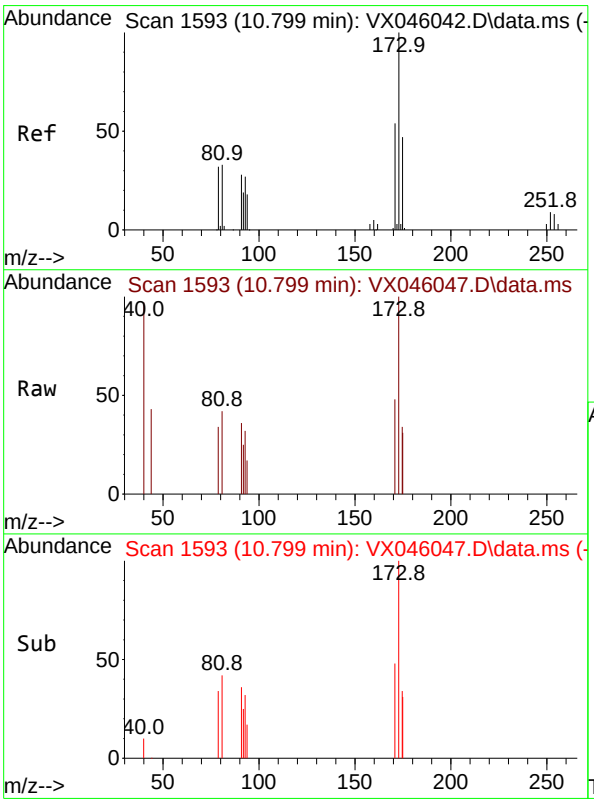
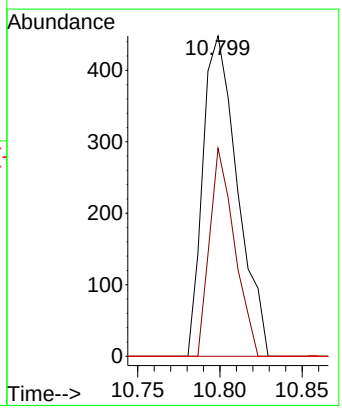
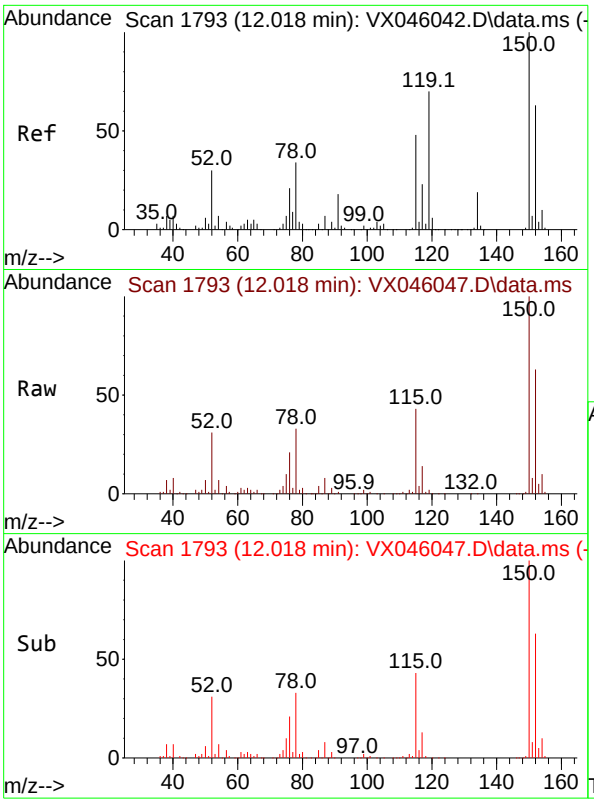


#71
Bromoform
Concen: 0.608 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:173 Resp: 657

Ion	Ratio	Lower	Upper
173	100		
175	46.6	23.4	70.0
254	0.0	0.0	0.0

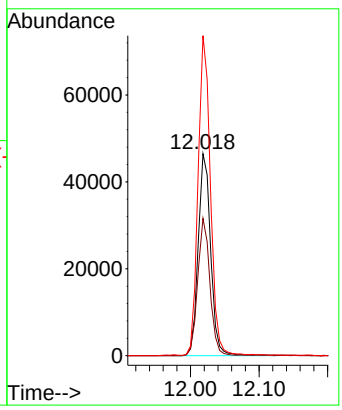




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:152 Resp: 5912

Ion	Ratio	Lower	Upper
152	100		
115	66.6	46.9	140.7
150	156.3	0.0	351.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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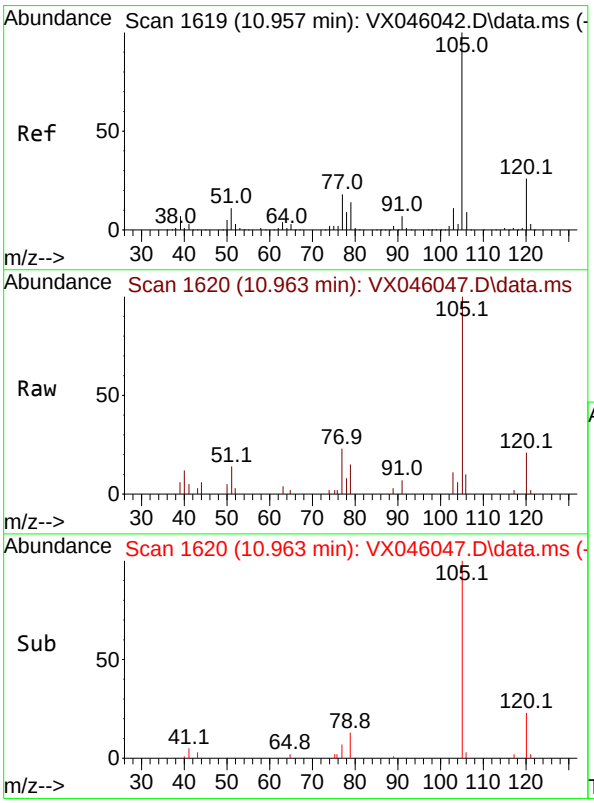
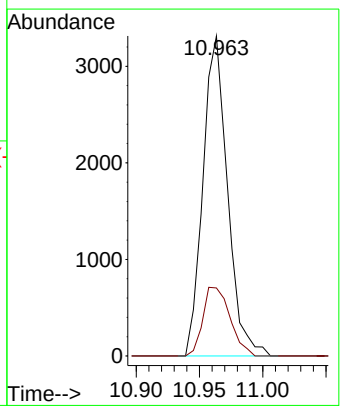
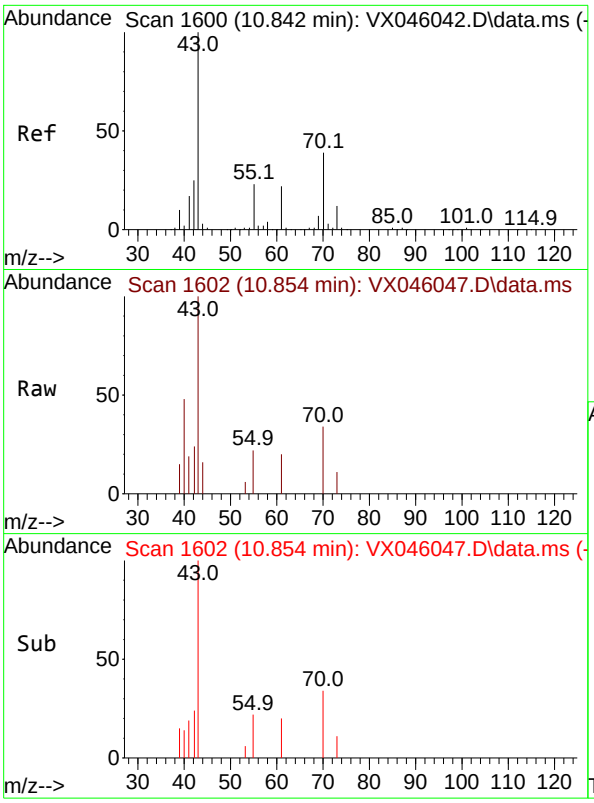


#73
Isopropylbenzene
Concen: 0.695 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:105 Resp: 4480

Ion	Ratio	Lower	Upper
105	100		
120	23.7	12.8	38.4

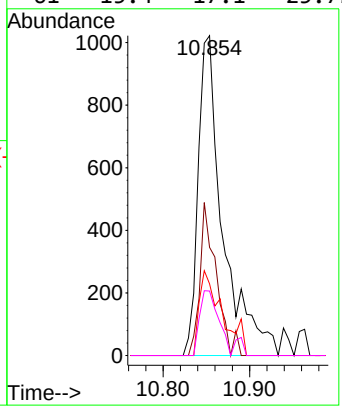




#74
N-amyl acetate
Concen: 0.631 ug/l
RT: 10.854 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 202

Ion	Ratio	Lower	Upper
43	100		
70	31.5	30.9	46.3
55	24.5	18.7	28.1
61	15.4	17.1	25.7#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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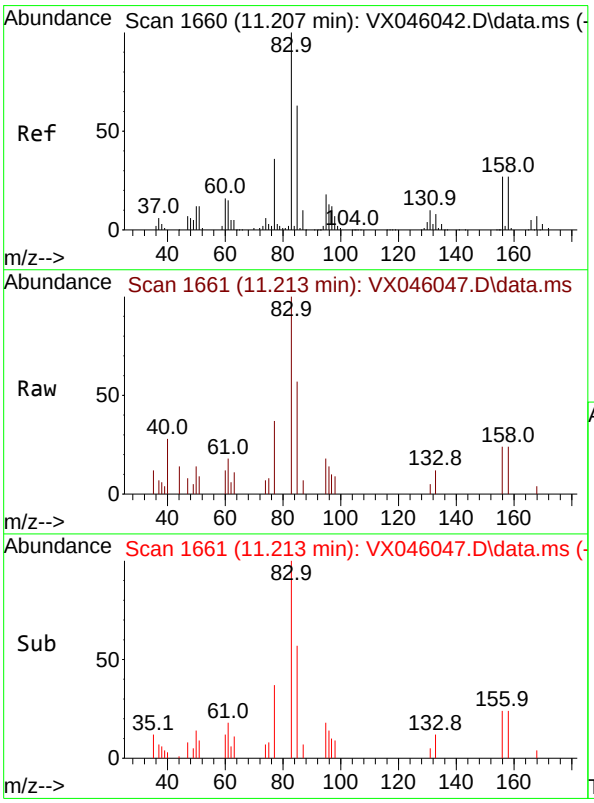
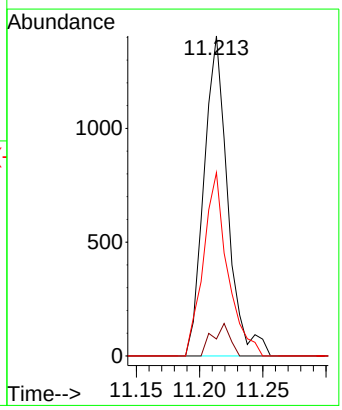
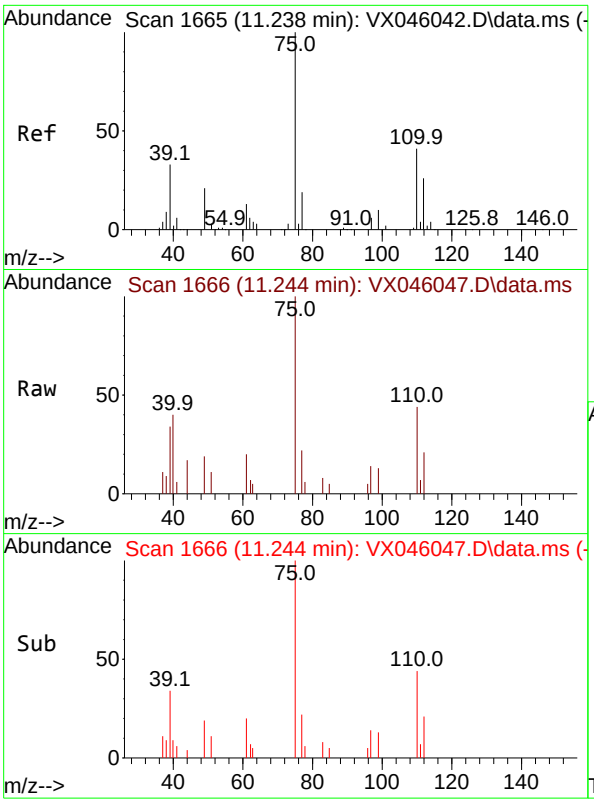


#75
1,1,2,2-Tetrachloroethane
Concen: 0.800 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 83 Resp: 1835

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





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

Tgt Ion: 75 Resp: 166

Ion	Ratio	Lower	Upper
75	100		
77	29.7	20.5	61.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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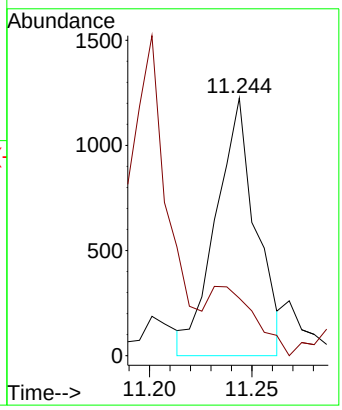
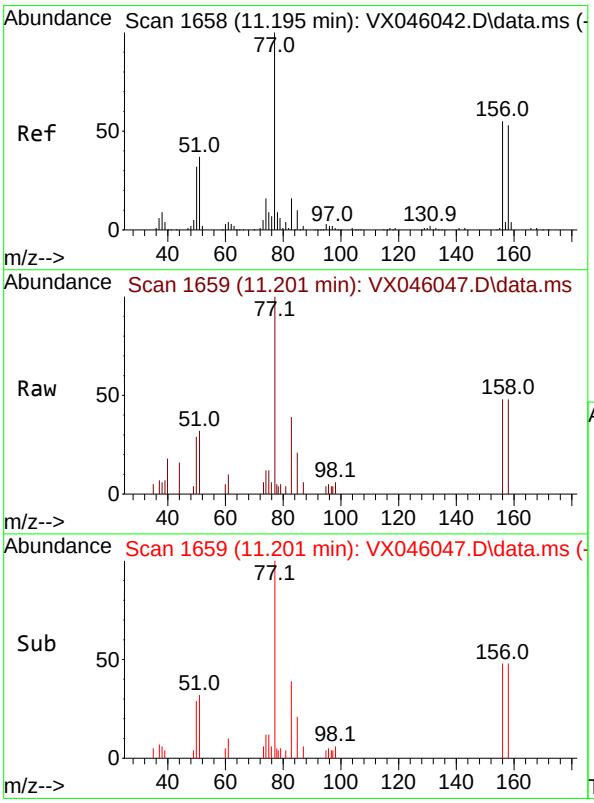
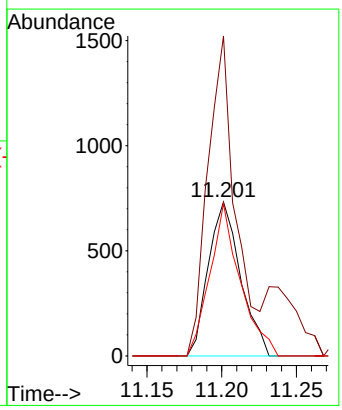


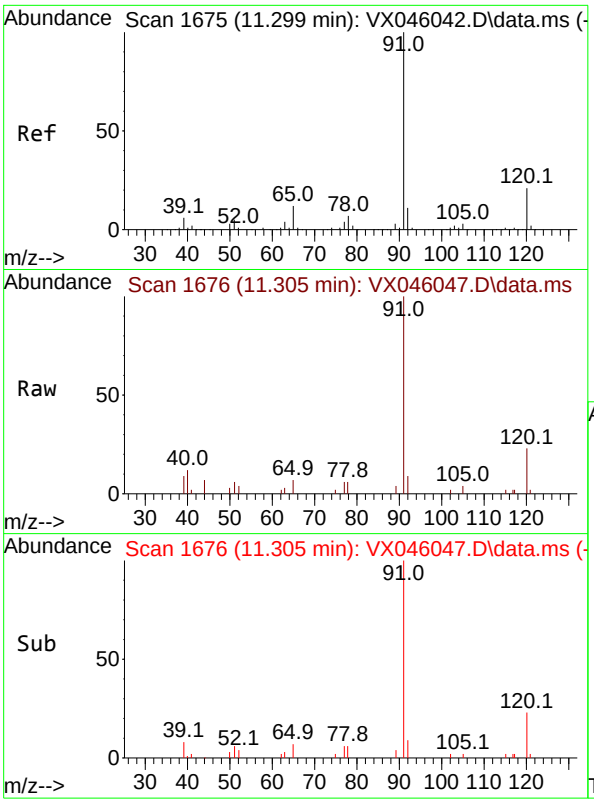


#77
Bromobenzene
Concen: 0.734 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:156 Resp: 1095

Ion	Ratio	Lower	Upper
156	100		
77	179.5	92.8	278.3
158	93.5	48.8	146.3





#78
n-propylbenzene
Concen: 0.699 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 91 Resp: 505

Ion	Ratio	Lower	Upper
91	100		
120	20.1	10.8	32.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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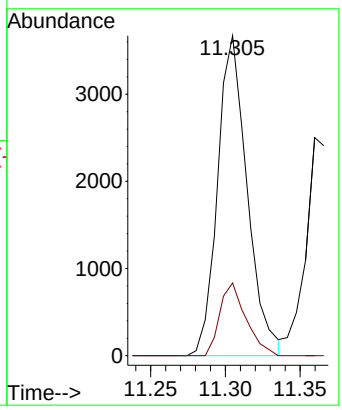
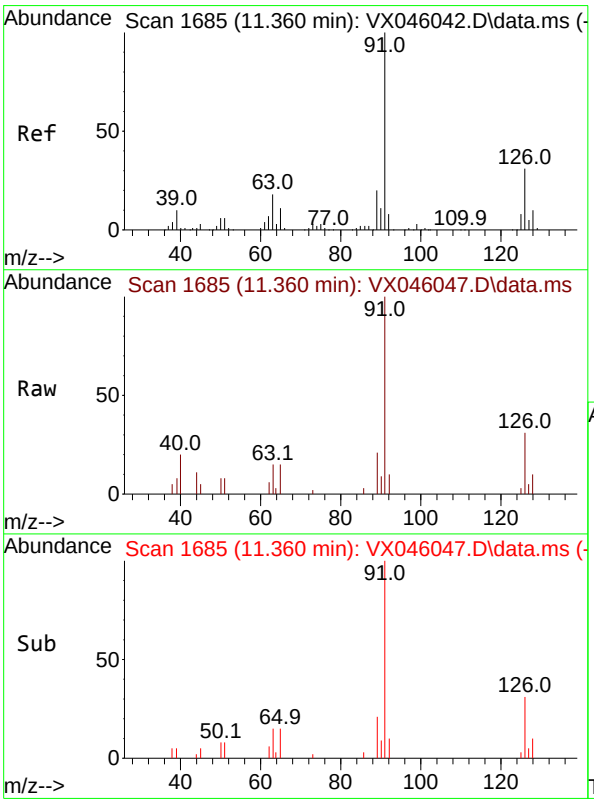
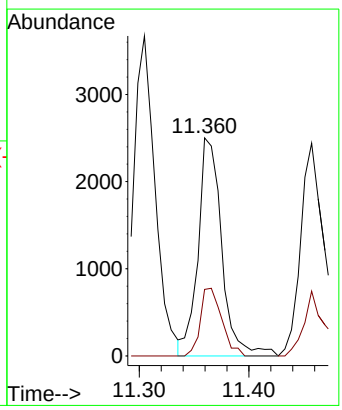


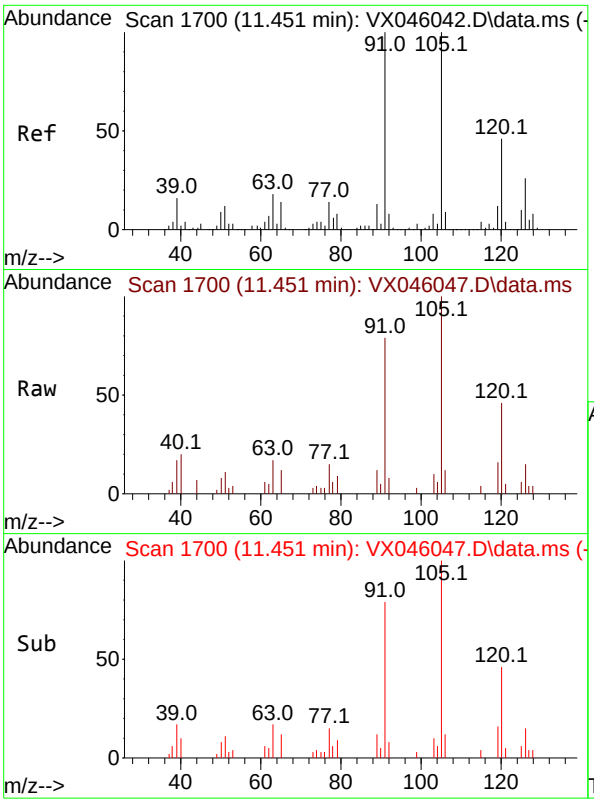


#79
2-Chlorotoluene
Concen: 0.773 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 91 Resp: 3765

Ion	Ratio	Lower	Upper
91	100		
126	28.0	15.6	46.7





#80
1,3,5-Trimethylbenzene
Concen: 0.671 ug/l
RT: 11.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:105 Resp: 359

Ion	Ratio	Lower	Upper
105	100		
120	43.4	23.1	69.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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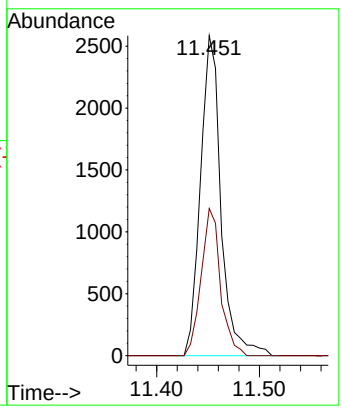
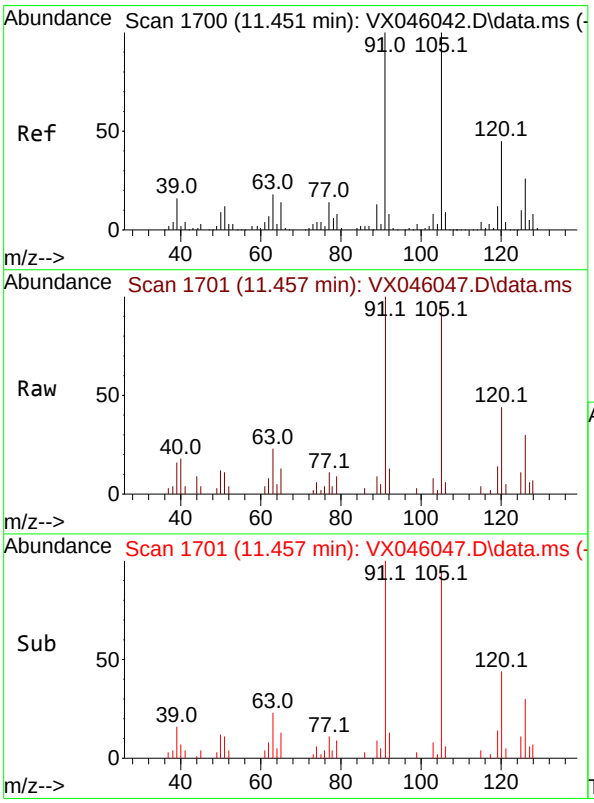
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

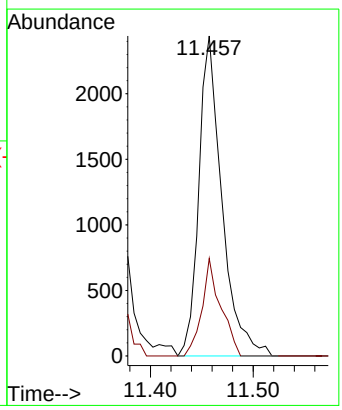


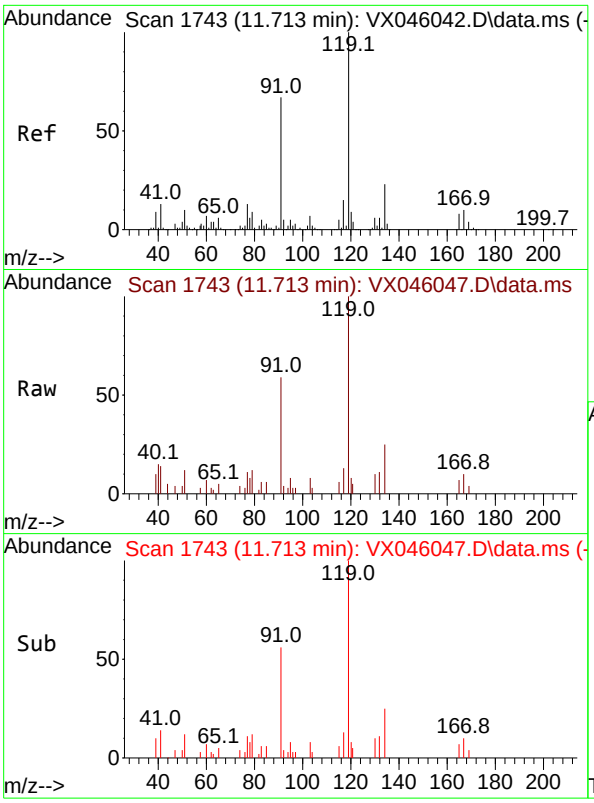


#82
4-Chlorotoluene
Concen: 0.713 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 91 Resp: 3815

Ion	Ratio	Lower	Upper
91	100		
126	24.8	13.3	39.8





#83
tert-Butylbenzene
Concen: 0.751 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

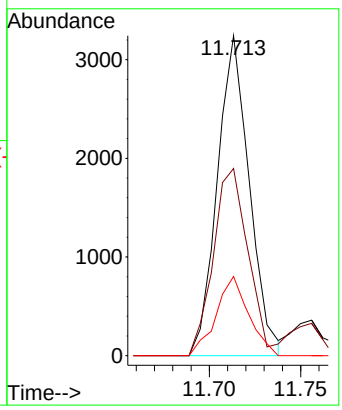
Tgt Ion:119 Resp: 395

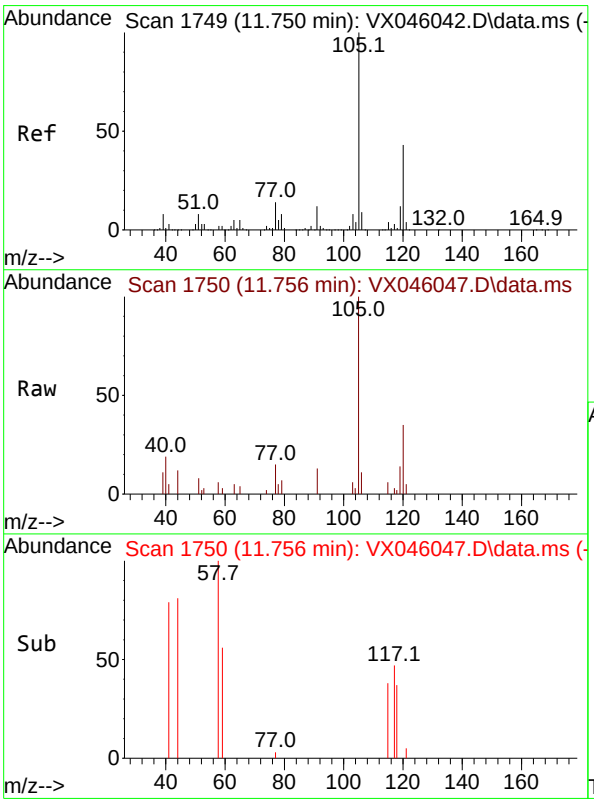
Ion	Ratio	Lower	Upper
119	100		
91	63.9	32.9	98.7
134	25.2	11.4	34.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

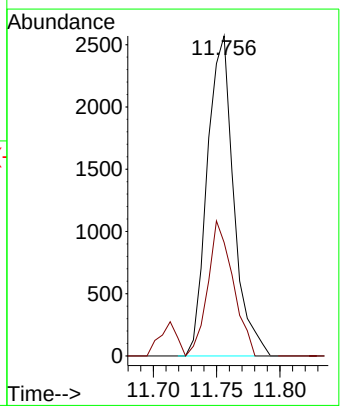


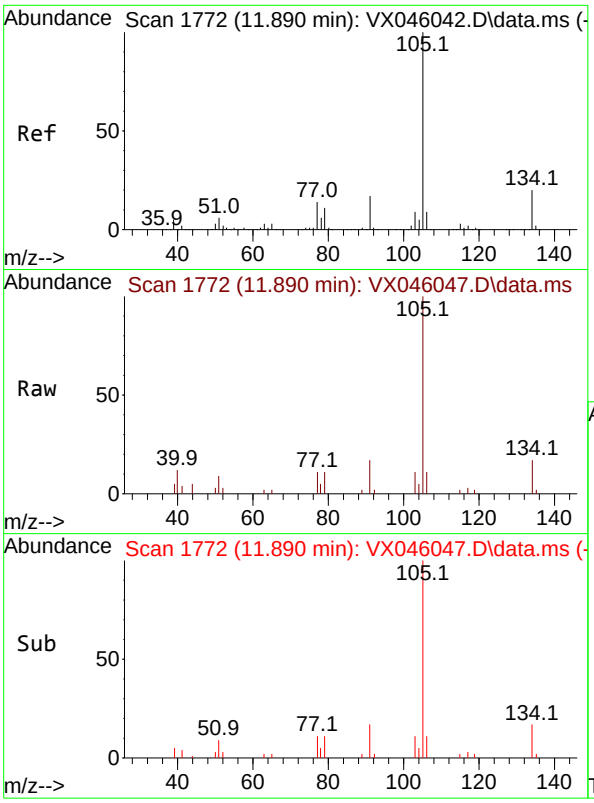


#84
1,2,4-Trimethylbenzene
Concen: 0.697 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:105 Resp: 3725

Ion	Ratio	Lower	Upper
105	100		
120	40.3	21.2	63.6





#85
sec-Butylbenzene
Concen: 0.672 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

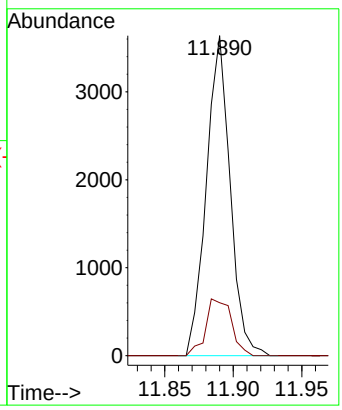
Tgt Ion:105 Resp: 438

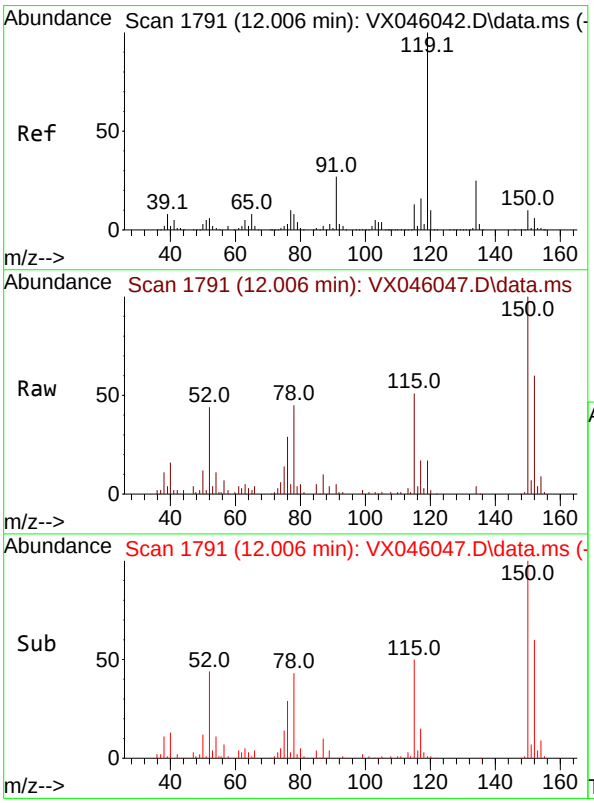
Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

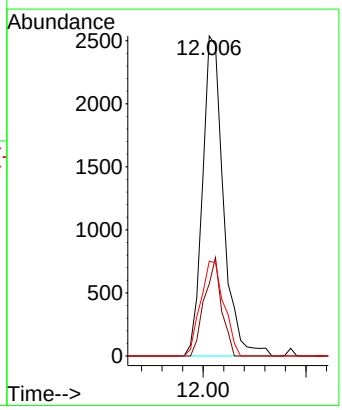


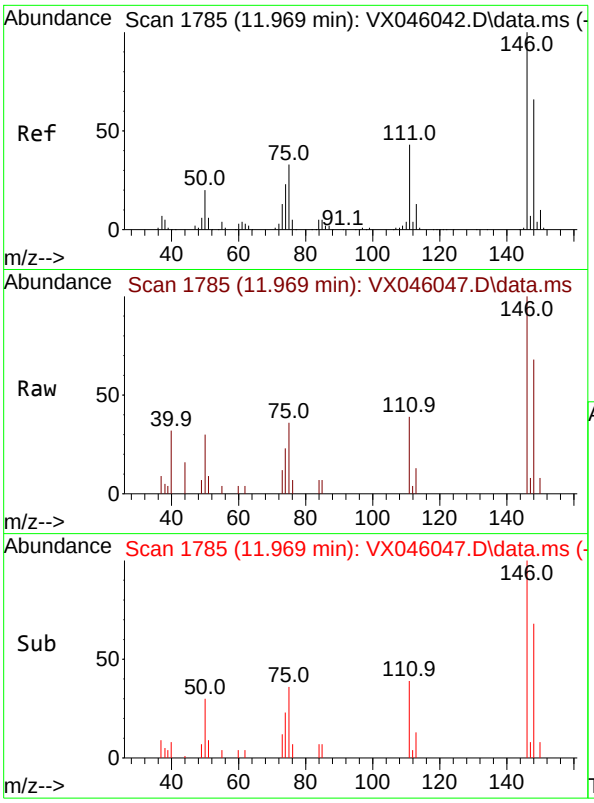


#86
p-Isopropyltoluene
Concen: 0.679 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:119 Resp: 3577

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.5	37.5
91	33.1	13.8	41.4

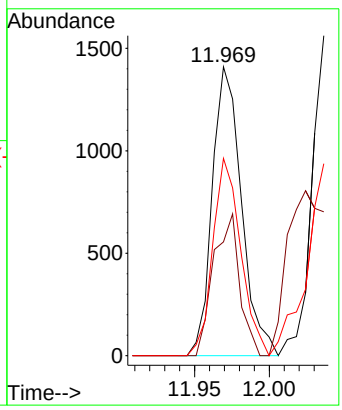




#87
1,3-Dichlorobenzene
Concen: 0.689 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:146 Resp: 191

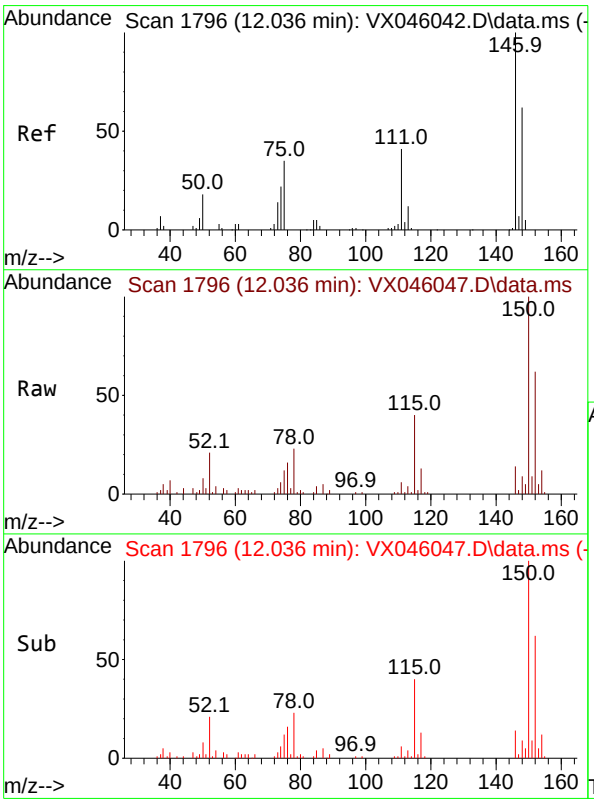
Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.1	66.3
148	65.3	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

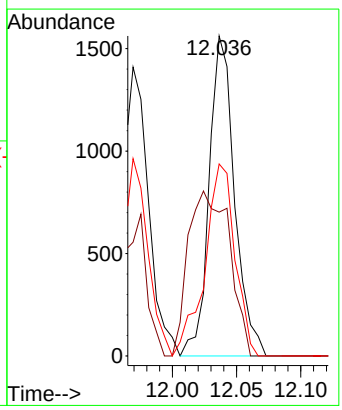
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

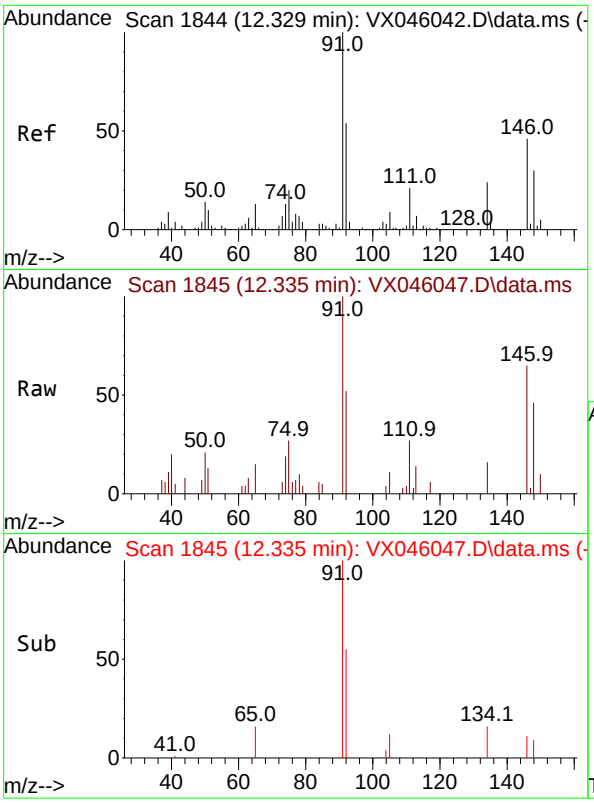


#88
1,4-Dichlorobenzene
Concen: 0.789 ug/l m
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:146 Resp: 2149

Ion	Ratio	Lower	Upper
146	100		
111	39.1	21.3	63.9
148	58.2	31.9	95.5

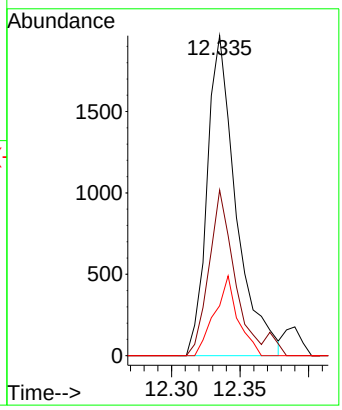




#89
n-Butylbenzene
Concen: 0.631 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 91 Resp: 288

Ion	Ratio	Lower	Upper
91	100		
92	48.1	26.9	80.7
134	20.1	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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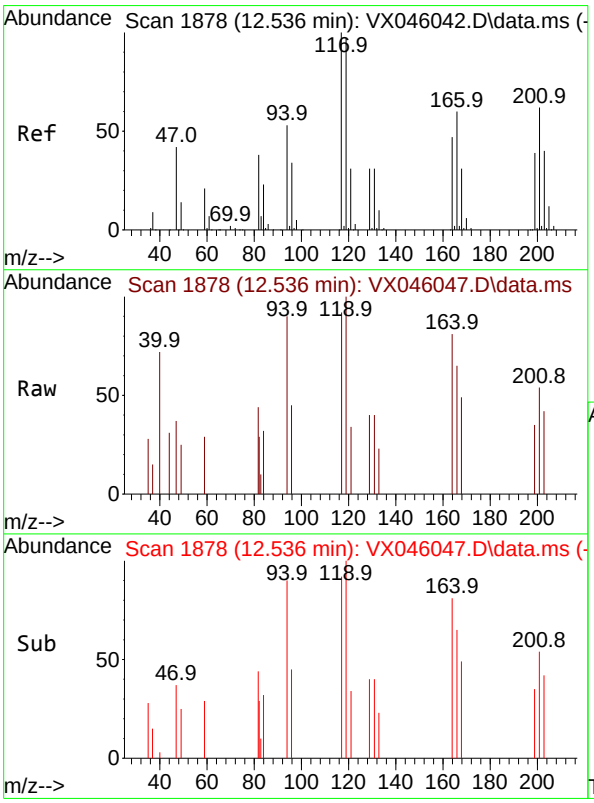
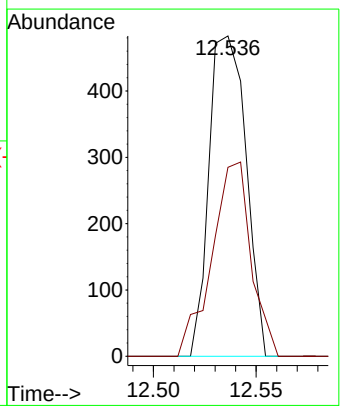
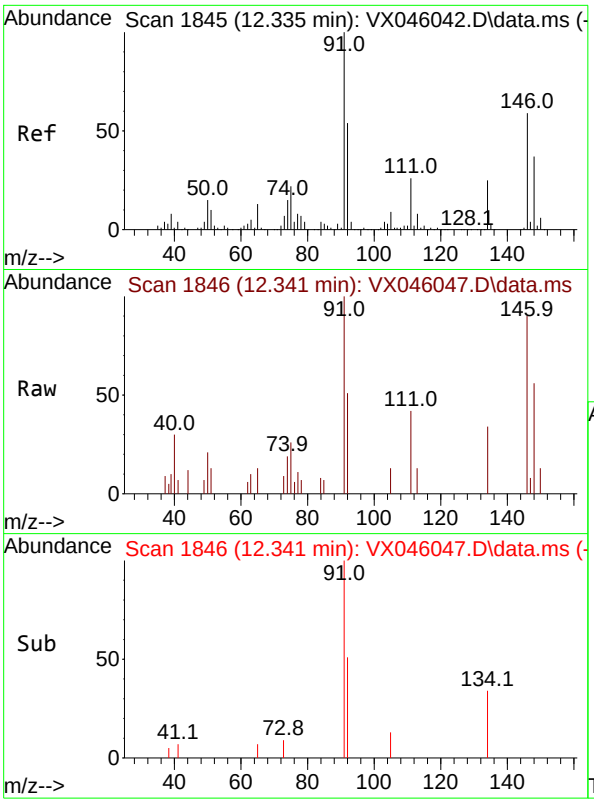


#90
Hexachloroethane
Concen: 0.616 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:117 Resp: 604

Ion	Ratio	Lower	Upper
117	100		
201	64.2	31.6	94.7

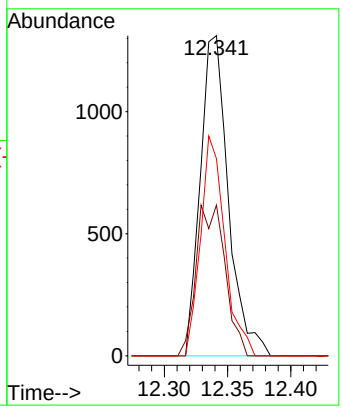




#91
1,2-Dichlorobenzene
Concen: 0.747 ug/l
RT: 12.341 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:146 Resp: 202

Ion	Ratio	Lower	Upper
146	100		
111	48.8	22.4	67.3
148	59.4	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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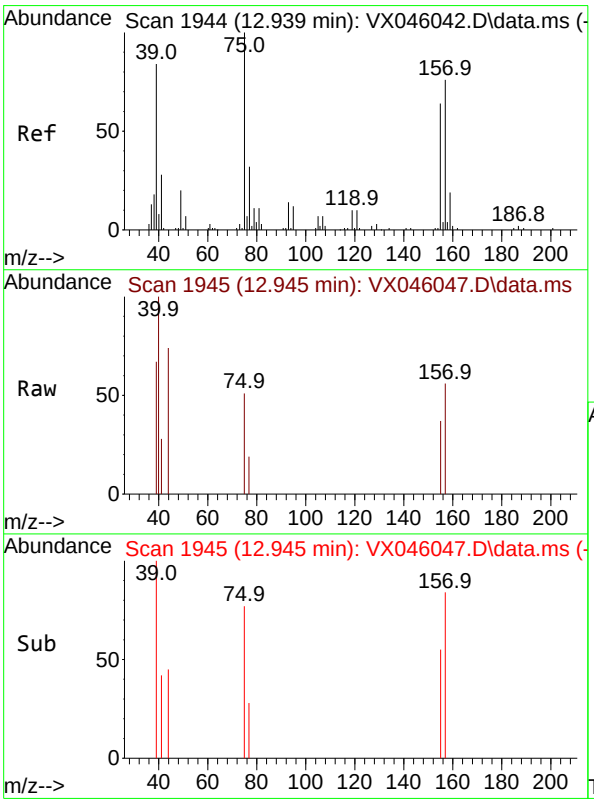
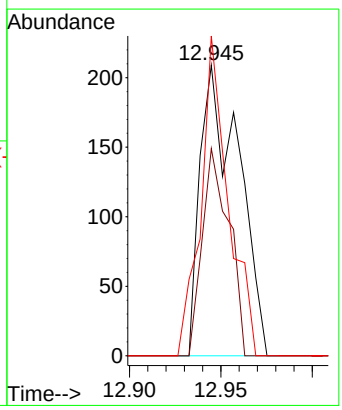
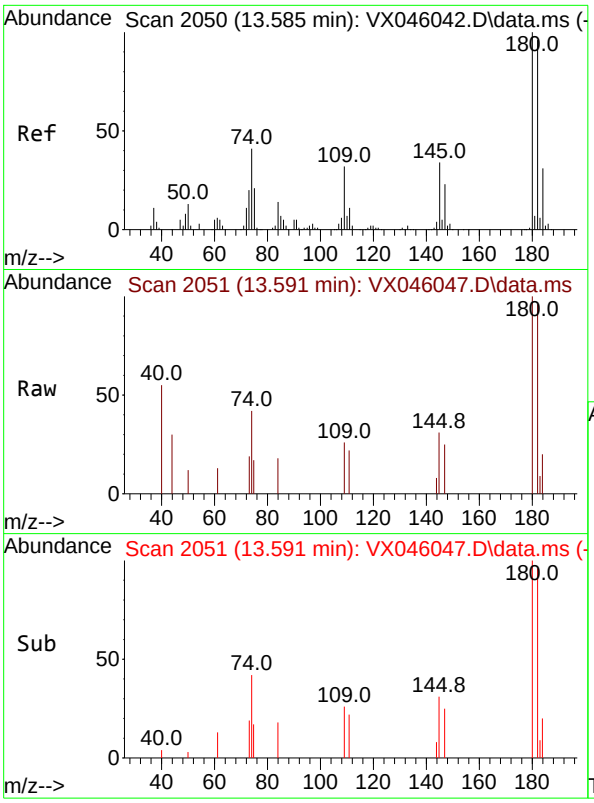


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.586 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 75 Resp: 306

Ion	Ratio	Lower	Upper
75	100		
155	49.3	34.9	104.8
157	78.1	43.8	131.4





#93
1,2,4-Trichlorobenzene
Concen: 0.688 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:180 Resp: 101

Ion	Ratio	Lower	Upper
180	100		
182	100.6	47.9	143.8
145	29.5	17.1	51.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
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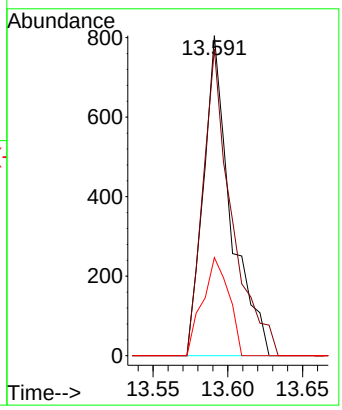
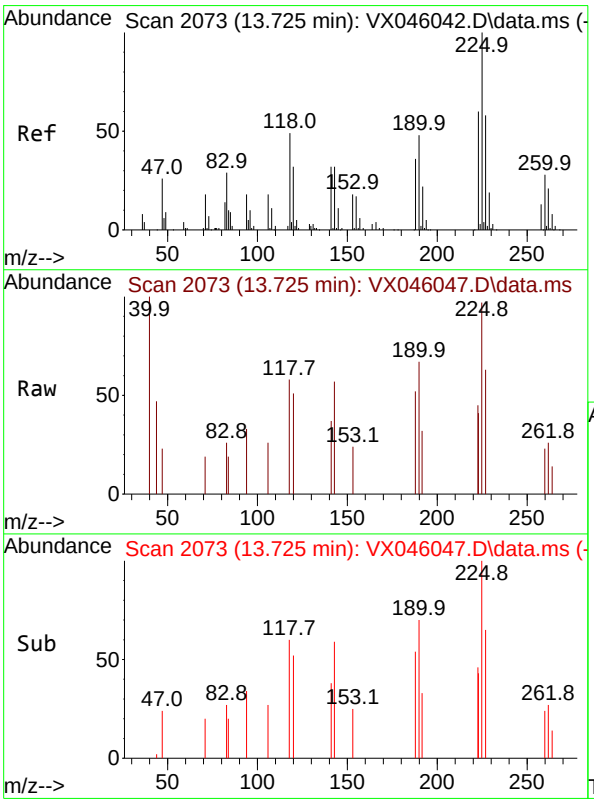
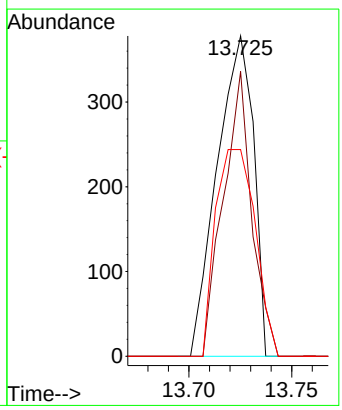


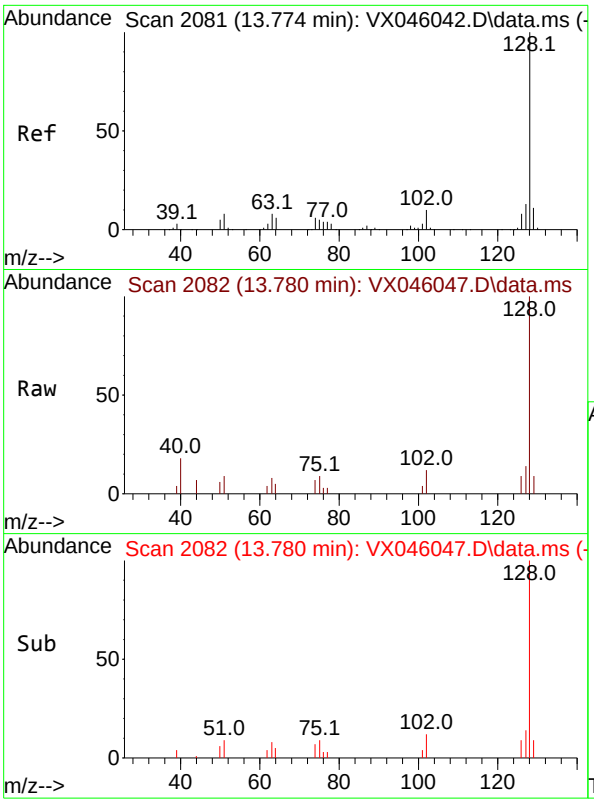


#94
Hexachlorobutadiene
Concen: 0.671 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:225 Resp: 465

Ion	Ratio	Lower	Upper
225	100		
223	69.7	30.8	92.4
227	70.5	30.9	92.7

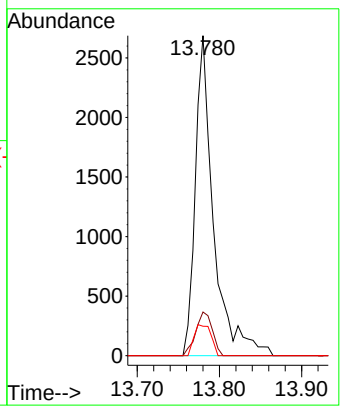




#95
Naphthalene
Concen: 0.767 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:128 Resp: 413

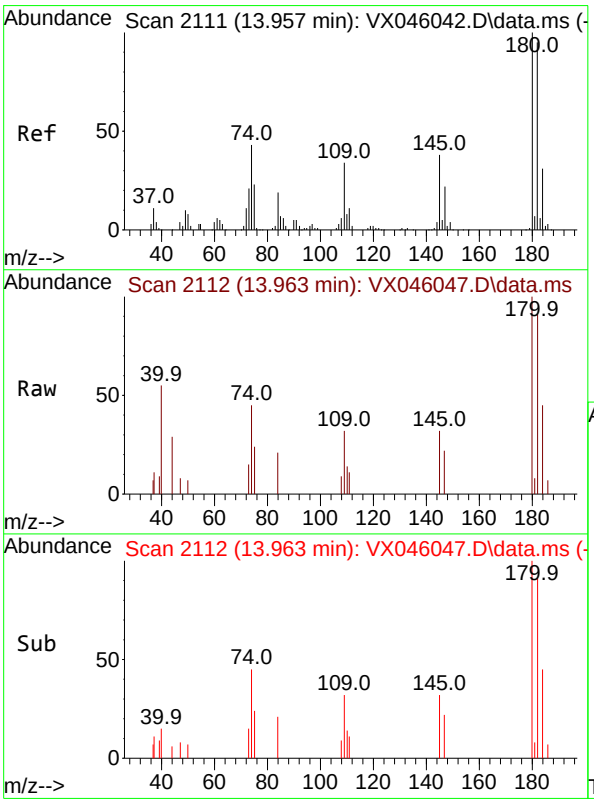
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.4	15.6
129	8.9	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

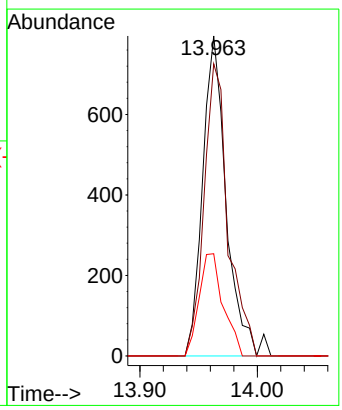
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 0.716 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:180 Resp: 1113

Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.8	143.3
145	32.5	18.1	54.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

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

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	92588	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	162651	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	145078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83733	48.509	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.020%			
35) Dibromofluoromethane	5.379	113	58192	49.683	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.360%			
50) Toluene-d8	8.647	98	198575	48.984	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.960%			
62) 4-Bromofluorobenzene	11.079	95	75568	48.596	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	78783	55.594	ug/l	99
3) Chloromethane	1.307	50	72275	52.592	ug/l	100
4) Vinyl Chloride	1.374	62	65994	51.598	ug/l	98
5) Bromomethane	1.593	94	30033	50.627	ug/l	97
6) Chloroethane	1.666	64	35690	52.271	ug/l	94
7) Trichlorofluoromethane	1.874	101	99352	52.560	ug/l	99
8) Diethyl Ether	2.130	74	31875	49.536	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	59451	50.822	ug/l	99
10) Methyl Iodide	2.447	142	73940	53.419	ug/l	99
11) Tert butyl alcohol	2.977	59	61065	252.025	ug/l	99
12) 1,1-Dichloroethene	2.313	96	56097	51.097	ug/l	98
13) Acrolein	2.233	56	64157	232.505	ug/l	99
14) Allyl chloride	2.660	41	108757	51.833	ug/l	100
15) Acrylonitrile	3.063	53	181808	262.412	ug/l	99
16) Acetone	2.380	43	169923	245.518	ug/l	98
17) Carbon Disulfide	2.502	76	132695	50.981	ug/l	99
18) Methyl Acetate	2.703	43	80251	49.968	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	195442	50.777	ug/l	99
20) Methylene Chloride	2.782	84	63369	47.779	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	55770	50.513	ug/l	99
22) Diisopropyl ether	3.757	45	209946	51.800	ug/l	97
23) Vinyl Acetate	3.715	43	946746	265.585	ug/l	100
24) 1,1-Dichloroethane	3.605	63	114733	50.825	ug/l	98
25) 2-Butanone	4.556	43	258339	257.110	ug/l	97
26) 2,2-Dichloropropane	4.471	77	88229	49.934	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	67727	50.956	ug/l	100
28) Bromochloromethane	4.891	49	55390	50.975	ug/l	98
29) Tetrahydrofuran	5.001	42	163675	259.958	ug/l	99
30) Chloroform	5.093	83	120782	51.332	ug/l	97
31) Cyclohexane	5.458	56	103158	50.147	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	104243	51.108	ug/l	100
36) 1,1-Dichloropropene	5.690	75	77931	49.521	ug/l	99
37) Ethyl Acetate	4.715	43	98604	50.714	ug/l	100
38) Carbon Tetrachloride	5.666	117	88100	49.825	ug/l	97
39) Methylcyclohexane	7.373	83	100808	49.757	ug/l	98
40) Benzene	6.031	78	233977	50.759	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

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

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41)	Methacrylonitrile	4.916	41	56017	55.076	ug/l		100
42)	1,2-Dichloroethane	6.080	62	101185	50.861	ug/l		98
43)	Isopropyl Acetate	6.336	43	154818	52.195	ug/l		99
44)	Trichloroethene	7.123	130	55491	50.018	ug/l		100
45)	1,2-Dichloropropane	7.428	63	59582	51.983	ug/l		98
46)	Dibromomethane	7.580	93	45181	49.978	ug/l		99
47)	Bromodichloromethane	7.818	83	92388	51.889	ug/l		100
48)	Methyl methacrylate	7.690	41	82144	54.226	ug/l		98
49)	1,4-Dioxane	7.659	88	30477	1059.599	ug/l		97
51)	4-Methyl-2-Pentanone	8.574	43	510206	259.133	ug/l		100
52)	Toluene	8.714	92	144574	51.150	ug/l		100
53)	t-1,3-Dichloropropene	8.976	75	83751	52.920	ug/l		100
54)	cis-1,3-Dichloropropene	8.360	75	92517	52.892	ug/l		98
55)	1,1,2-Trichloroethane	9.147	97	56713	50.887	ug/l		96
56)	Ethyl methacrylate	9.116	69	95772	53.918	ug/l		99
57)	1,3-Dichloropropane	9.305	76	99663	49.793	ug/l		97
58)	2-Chloroethyl Vinyl ether	8.238	63	240681	265.780	ug/l		99
59)	2-Hexanone	9.427	43	390701	268.218	ug/l		100
60)	Dibromochloromethane	9.519	129	63738	52.075	ug/l		99
61)	1,2-Dibromoethane	9.610	107	59134	51.050	ug/l		98
64)	Tetrachloroethene	9.269	164	48034	46.795	ug/l		98
65)	Chlorobenzene	10.073	112	154640	48.699	ug/l		99
66)	1,1,1,2-Tetrachloroethane	10.159	131	53735	49.557	ug/l		100
67)	Ethyl Benzene	10.189	91	281239	50.245	ug/l		100
68)	m/p-Xylenes	10.299	106	206813	101.022	ug/l		99
69)	o-Xylene	10.640	106	101469	50.841	ug/l		99
70)	Styrene	10.653	104	169703	51.907	ug/l		99
71)	Bromoform	10.799	173	40364	49.583	ug/l	#	97
73)	Isopropylbenzene	10.957	105	269484	50.733	ug/l		100
74)	N-amyl acetate	10.842	43	137559	52.407	ug/l		99
75)	1,1,2,2-Tetrachloroethane	11.207	83	89027	47.827	ug/l		98
76)	1,2,3-Trichloropropane	11.238	75	79763m	48.568	ug/l		
77)	Bromobenzene	11.195	156	59871	48.549	ug/l		98
78)	n-propylbenzene	11.299	91	312285	50.562	ug/l		100
79)	2-Chlorotoluene	11.360	91	195630	49.107	ug/l		99
80)	1,3,5-Trimethylbenzene	11.451	105	228538	51.500	ug/l		100
81)	trans-1,4-Dichloro-2-b...	11.018	75	24857	49.276	ug/l		98
82)	4-Chlorotoluene	11.451	91	223811	50.661	ug/l		100
83)	tert-Butylbenzene	11.713	119	225783	50.511	ug/l		99
84)	1,2,4-Trimethylbenzene	11.750	105	231371	51.485	ug/l		100
85)	sec-Butylbenzene	11.890	105	280578	51.122	ug/l		99
86)	p-Isopropyltoluene	12.006	119	231942	51.198	ug/l		100
87)	1,3-Dichlorobenzene	11.963	146	113146	50.272	ug/l		99
88)	1,4-Dichlorobenzene	12.037	146	111173	48.368	ug/l		99
89)	n-Butylbenzene	12.329	91	205858	51.804	ug/l		100
90)	Hexachloroethane	12.536	117	39823	49.895	ug/l		99
91)	1,2-Dichlorobenzene	12.335	146	111482	49.361	ug/l		99
92)	1,2-Dibromo-3-Chloropr...	12.939	75	21220	51.458	ug/l		99
93)	1,2,4-Trichlorobenzene	13.585	180	64421	49.662	ug/l		100
94)	Hexachlorobutadiene	13.719	225	27425	48.408	ug/l		98
95)	Naphthalene	13.774	128	239805	50.404	ug/l		100
96)	1,2,3-Trichlorobenzene	13.957	180	64950	48.525	ug/l		98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

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

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

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

ICAL Form

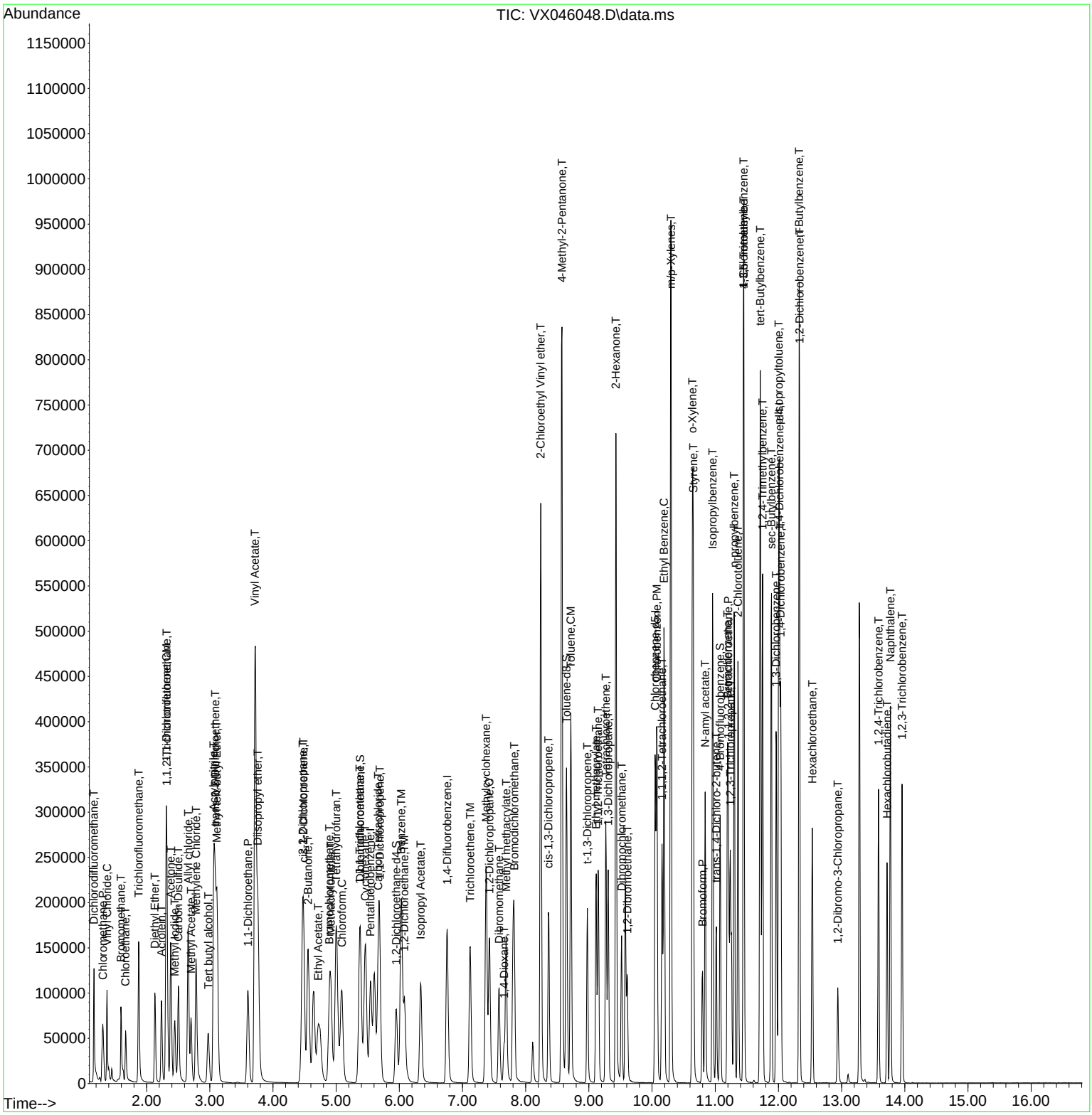
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

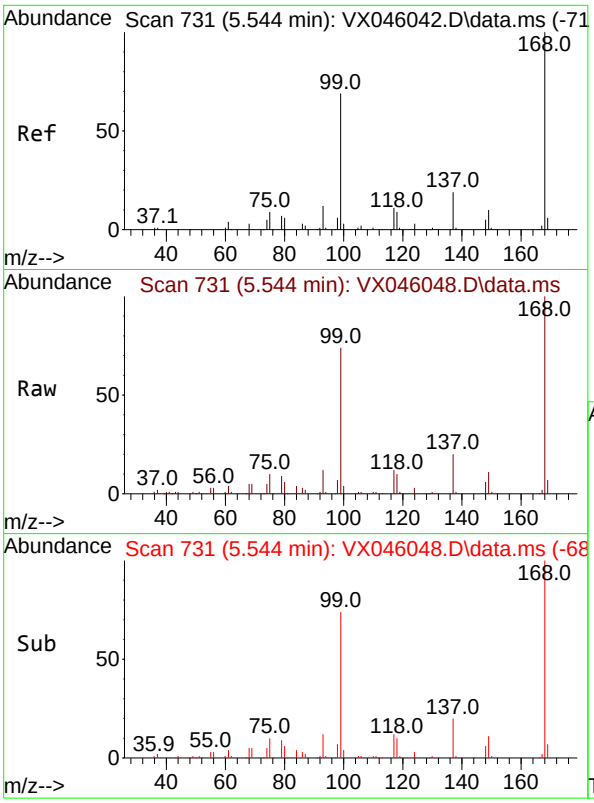
Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

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

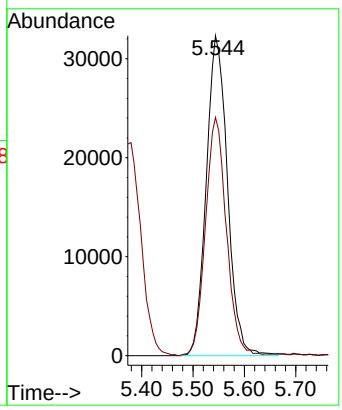




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:168 Resp: 9258

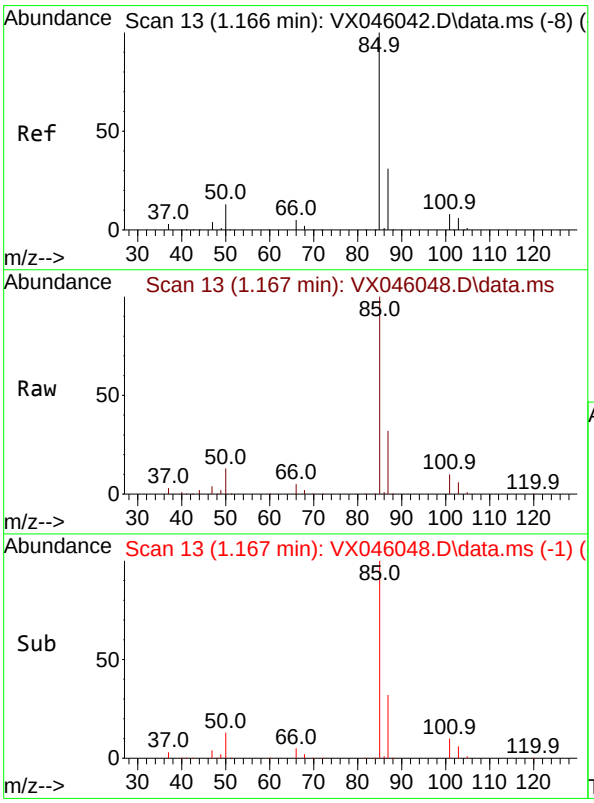
Ion	Ratio	Lower	Upper
168	100		
99	74.5	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

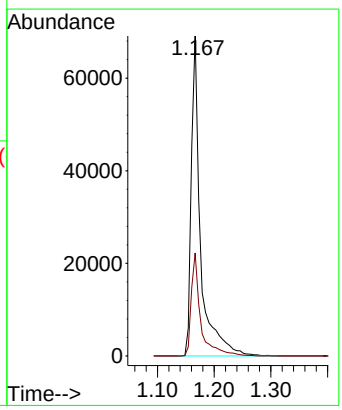
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

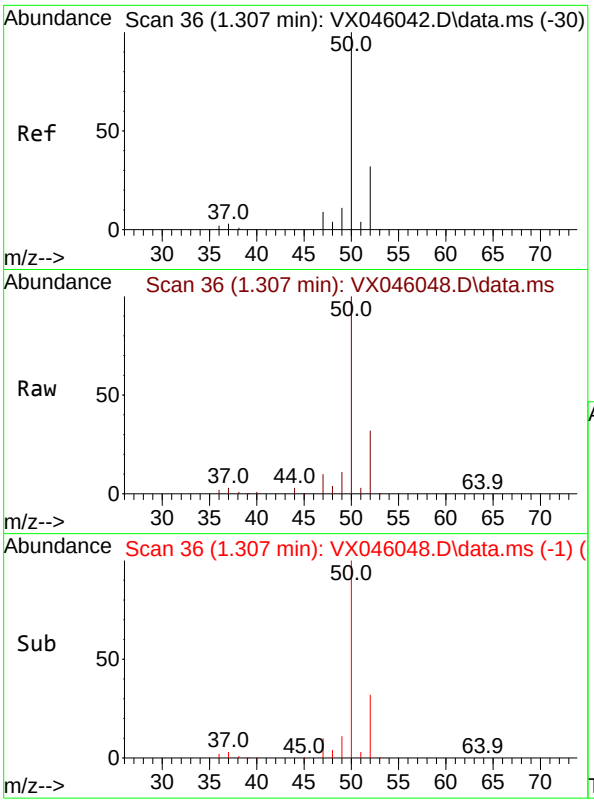


#2
Dichlorodifluoromethane
Concen: 55.594 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 85 Resp: 78783

Ion	Ratio	Lower	Upper
85	100		
87	32.2	15.7	47.1

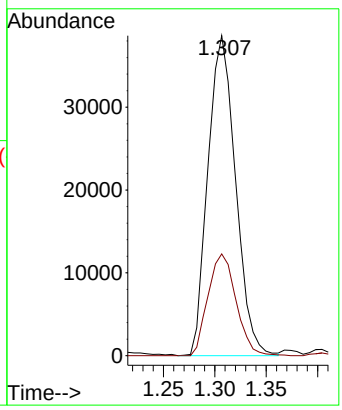




#3
Chloromethane
Concen: 52.592 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 50 Resp: 7227

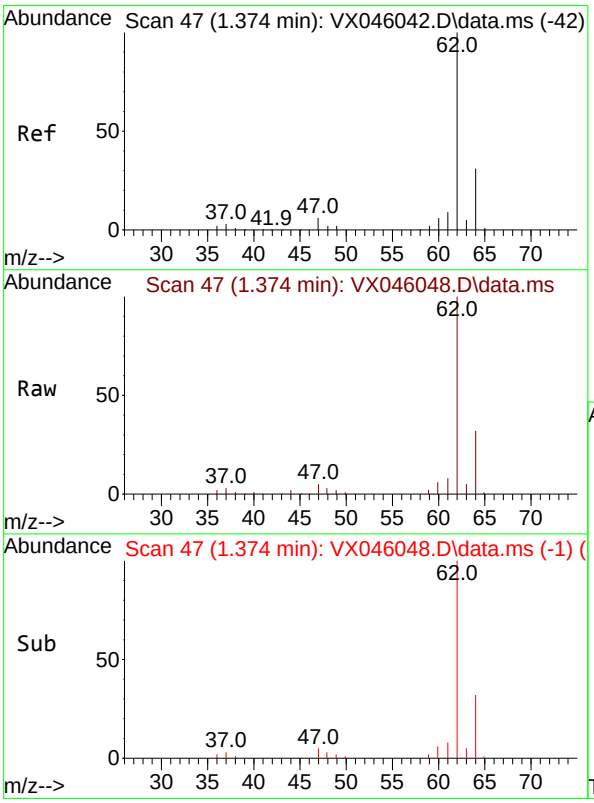
Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

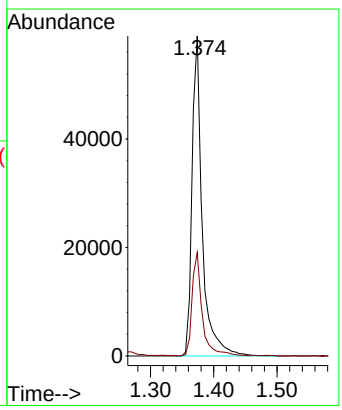
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

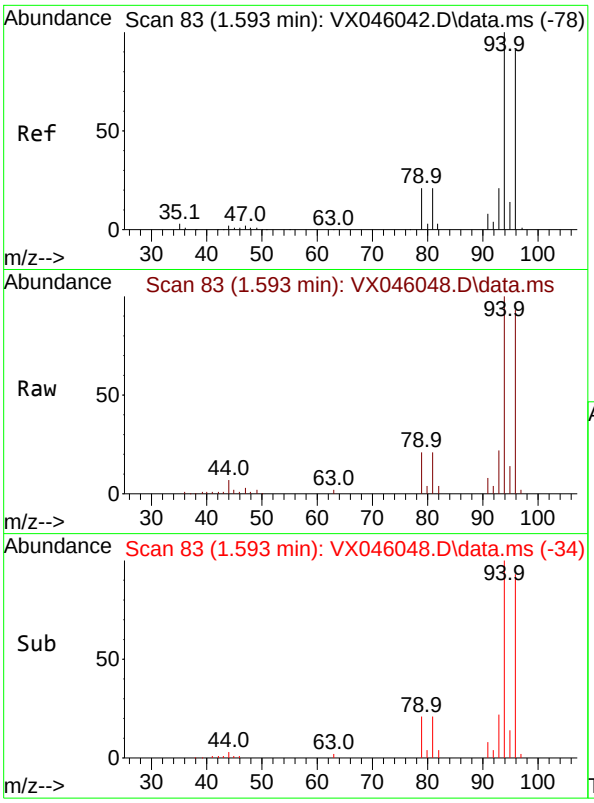


#4
Vinyl Chloride
Concen: 51.598 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 62 Resp: 65994

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.2	37.8





#5
Bromomethane
Concen: 50.627 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

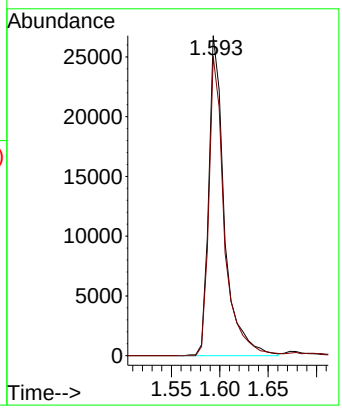
Tgt Ion: 94 Resp: 3003

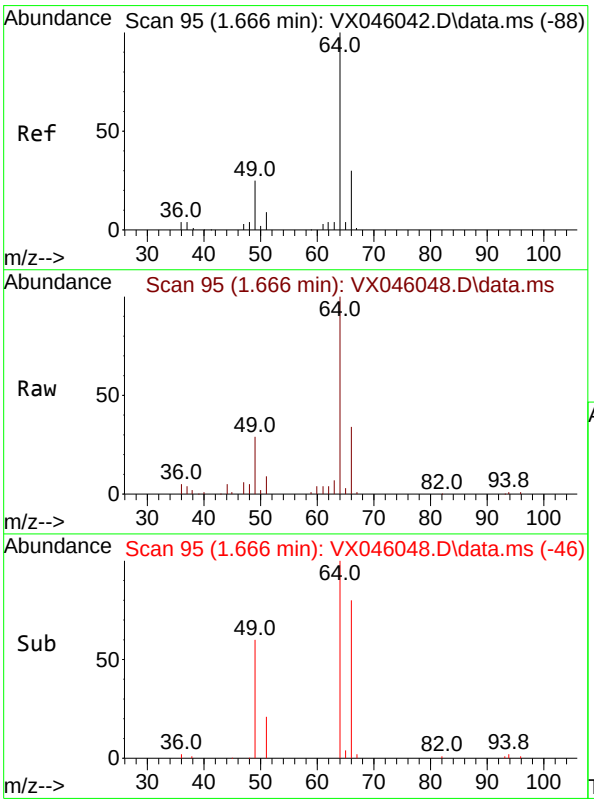
Ion	Ratio	Lower	Upper
94	100		
96	93.5	72.8	109.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

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

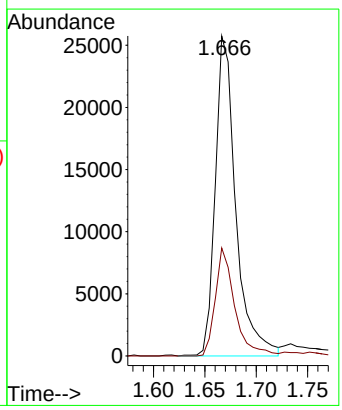


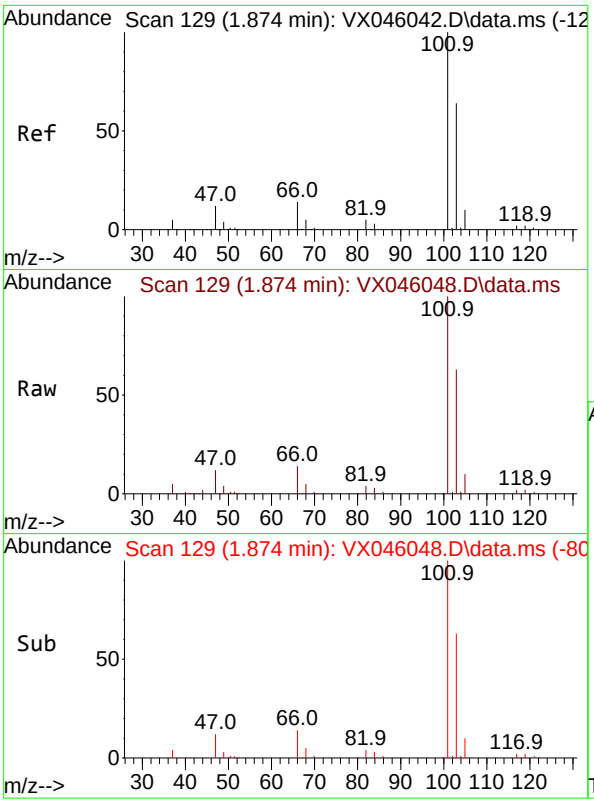


#6
Chloroethane
Concen: 52.271 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 64 Resp: 35690

Ion	Ratio	Lower	Upper
64	100		
66	33.7	24.3	36.5

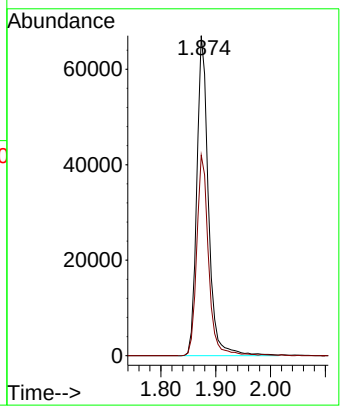




#7
Trichlorofluoromethane
Concen: 52.560 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:101 Resp: 9935

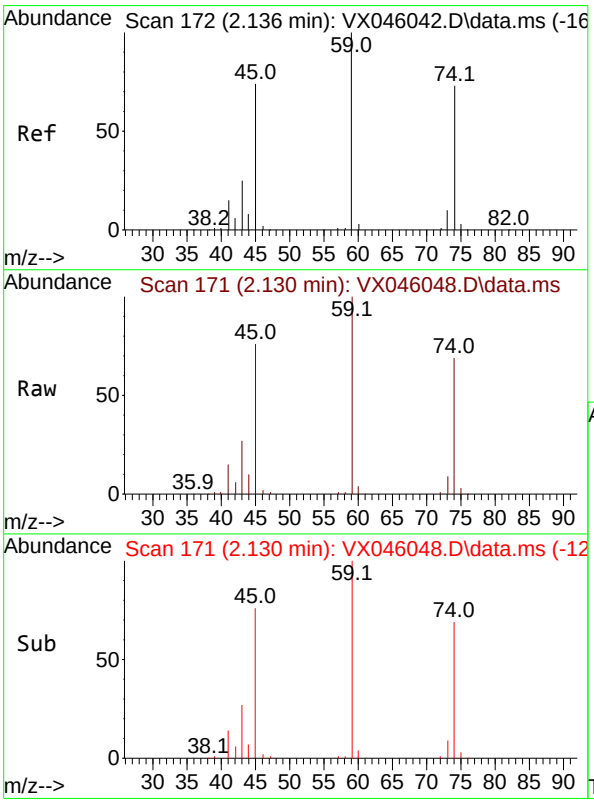
Ion	Ratio	Lower	Upper
101	100		
103	62.6	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

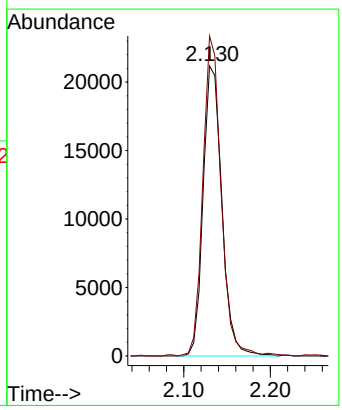
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

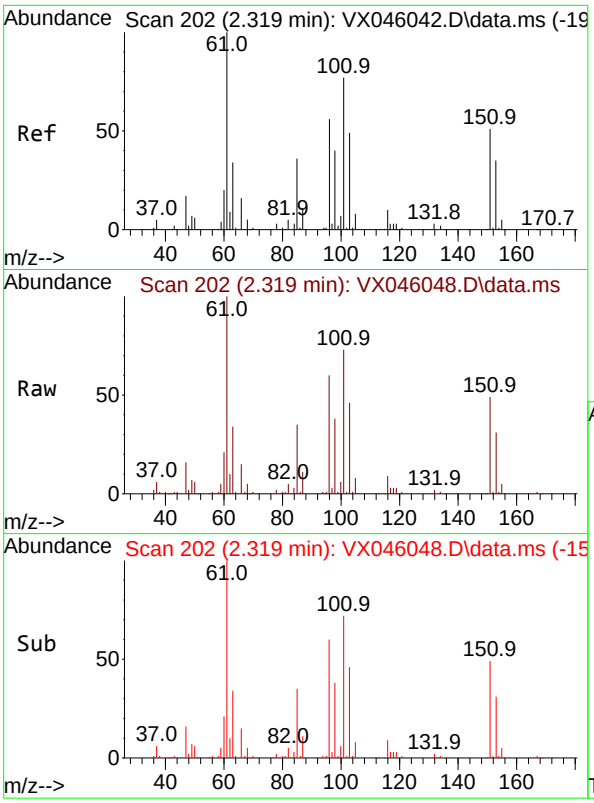


#8
Diethyl Ether
Concen: 49.536 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 74 Resp: 31875

Ion	Ratio	Lower	Upper
74	100		
45	107.1	54.9	164.8





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

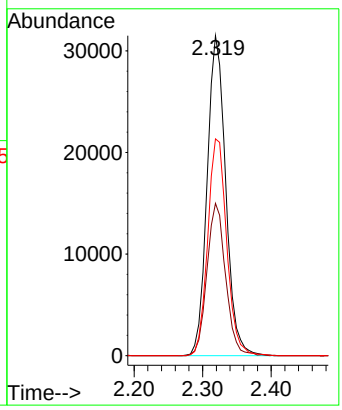
Tgt Ion:101 Resp: 5945

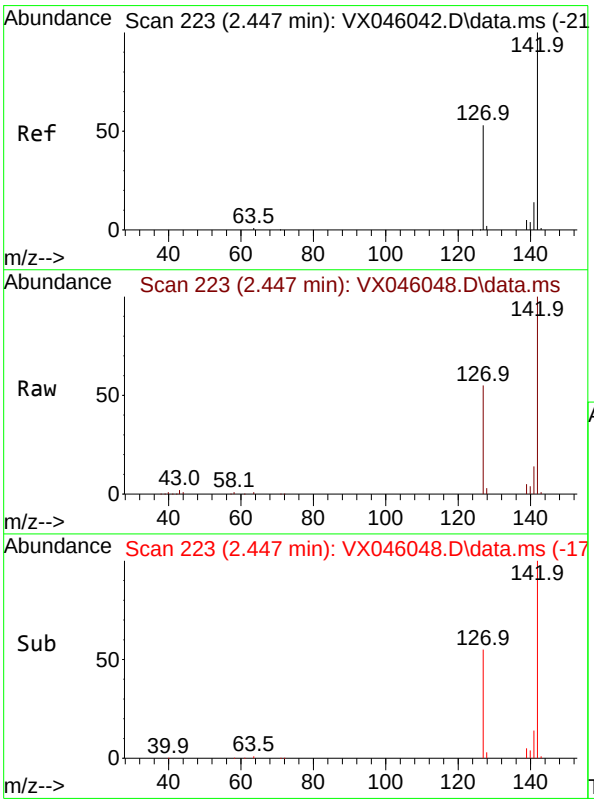
Ion	Ratio	Lower	Upper
101	100		
85	47.8	38.6	58.0
151	69.4	55.2	82.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

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

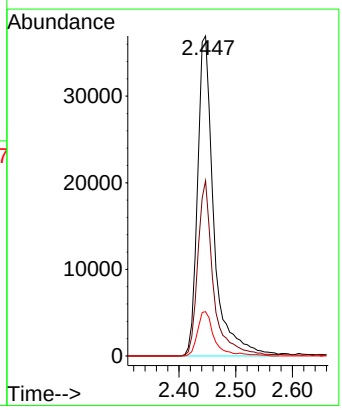


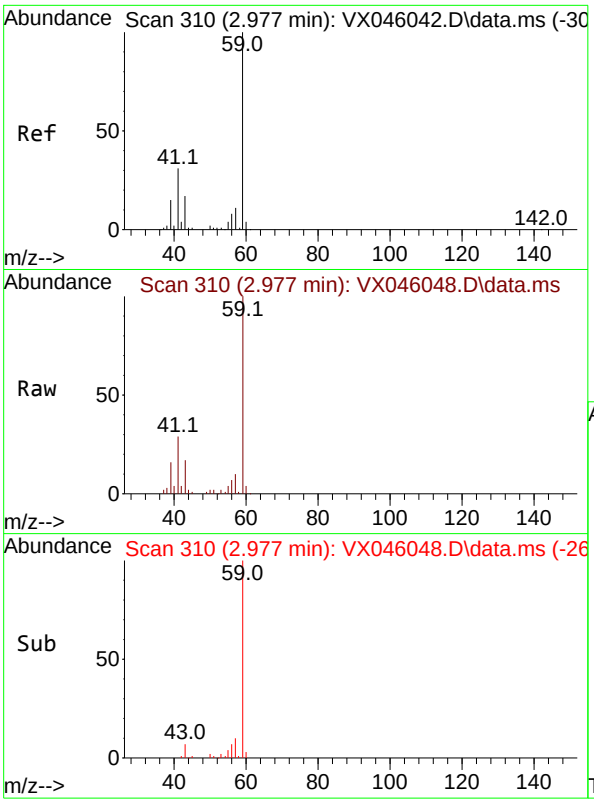


#10
Methyl Iodide
Concen: 53.419 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:142 Resp: 73940

Ion	Ratio	Lower	Upper
142	100		
127	52.9	41.7	62.5
141	14.4	11.5	17.3





#11
Tert butyl alcohol
Concen: 252.025 ug/l
RT: 2.977 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

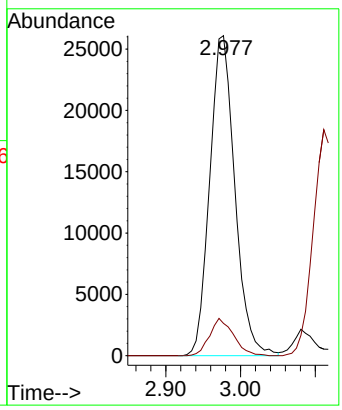
Tgt Ion: 59 Resp: 6106

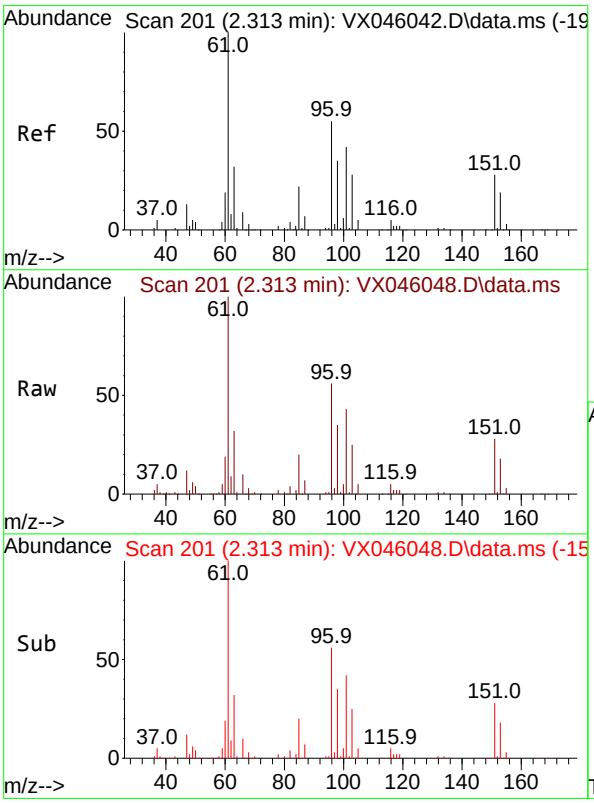
Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

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

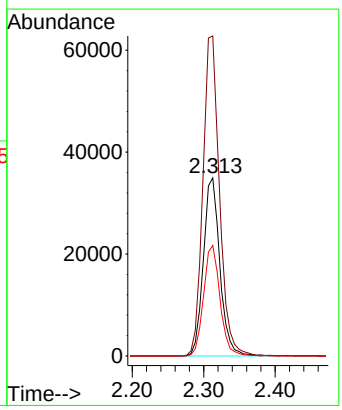


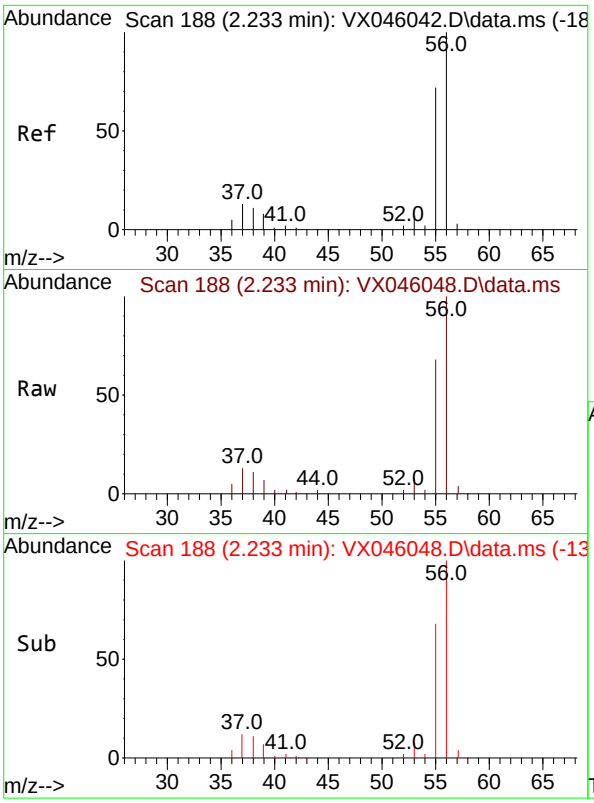


#12
1,1-Dichloroethene
Concen: 51.097 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 96 Resp: 56097

Ion	Ratio	Lower	Upper
96	100		
61	179.7	146.2	219.2
98	62.1	51.0	76.6

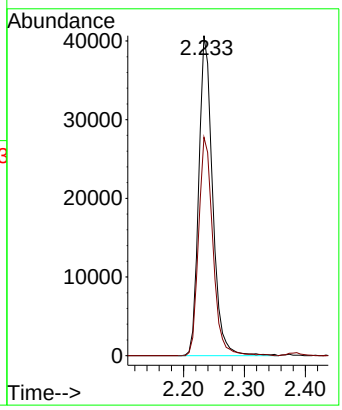




#13
Acrolein
Concen: 232.505 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 56 Resp: 6415

Ion	Ratio	Lower	Upper
56	100		
55	70.8	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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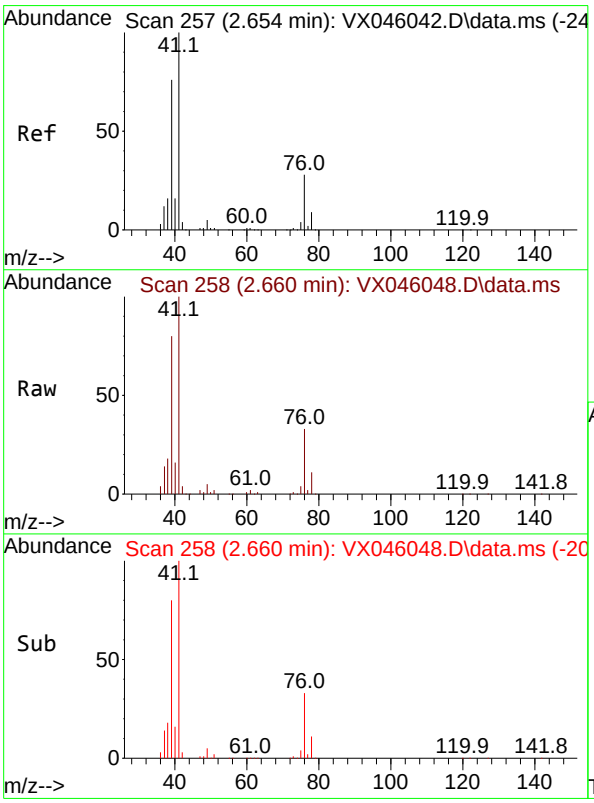
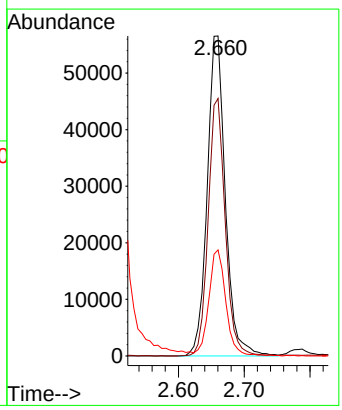
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

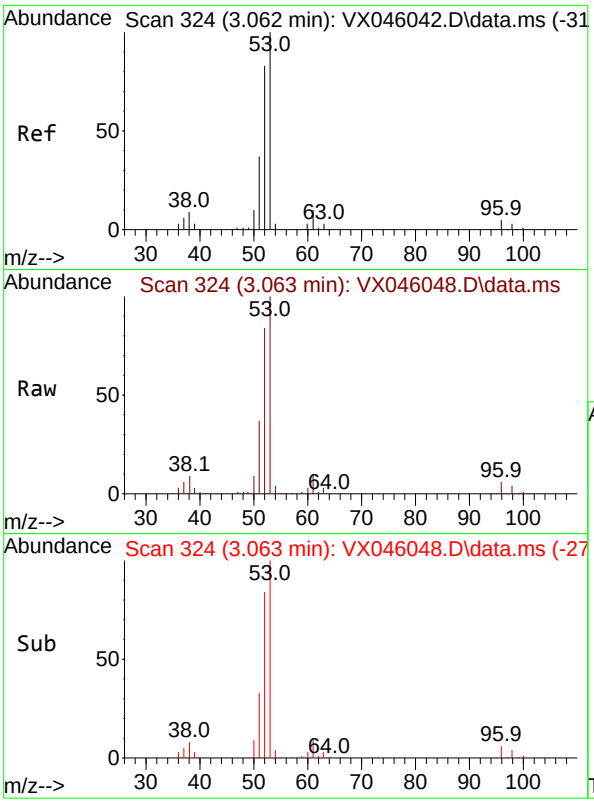


#14
Allyl chloride
Concen: 51.833 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 41 Resp: 108757

Ion	Ratio	Lower	Upper
41	100		
39	75.6	60.6	90.8
76	31.1	24.9	37.3

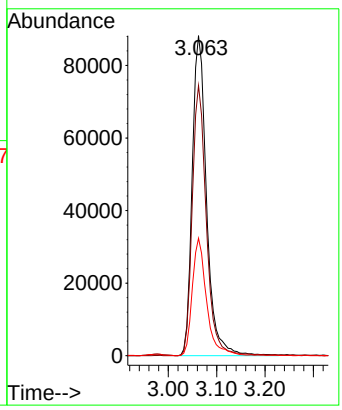




#15
Acrylonitrile
Concen: 262.412 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 53 Resp: 18180

Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.3	97.9
51	36.5	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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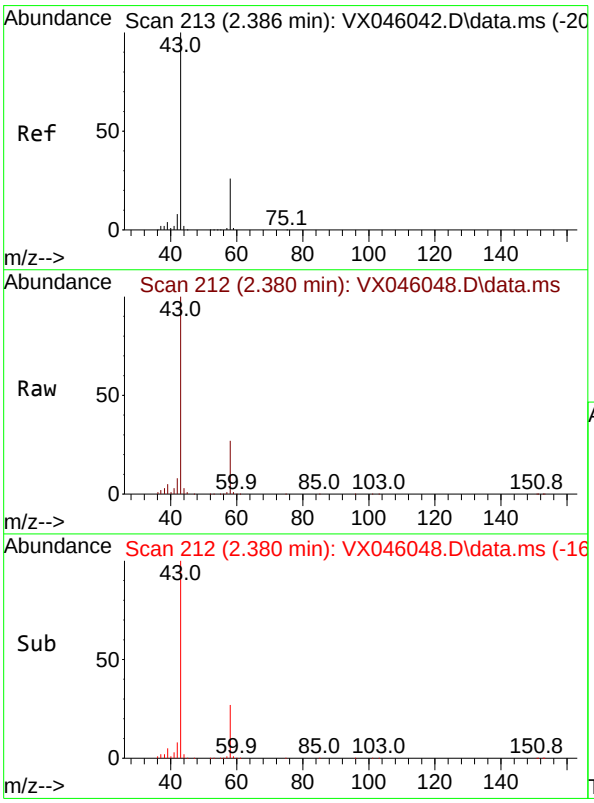
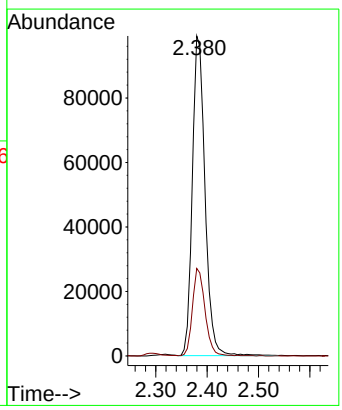
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

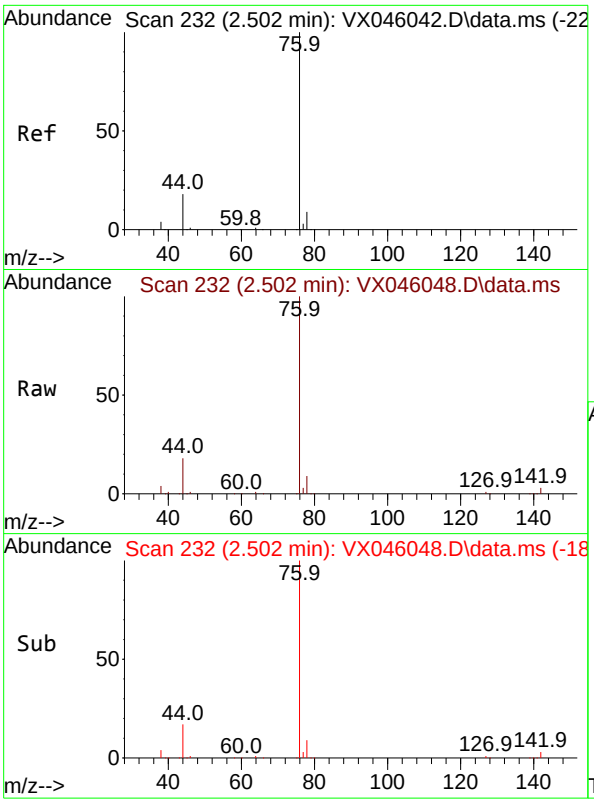


#16
Acetone
Concen: 245.518 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 169923

Ion	Ratio	Lower	Upper
43	100		
58	27.3	21.2	31.8

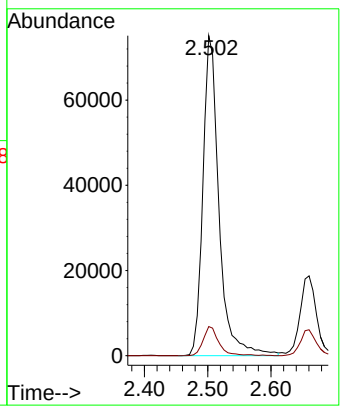




#17
Carbon Disulfide
Concen: 50.981 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 76 Resp: 13269

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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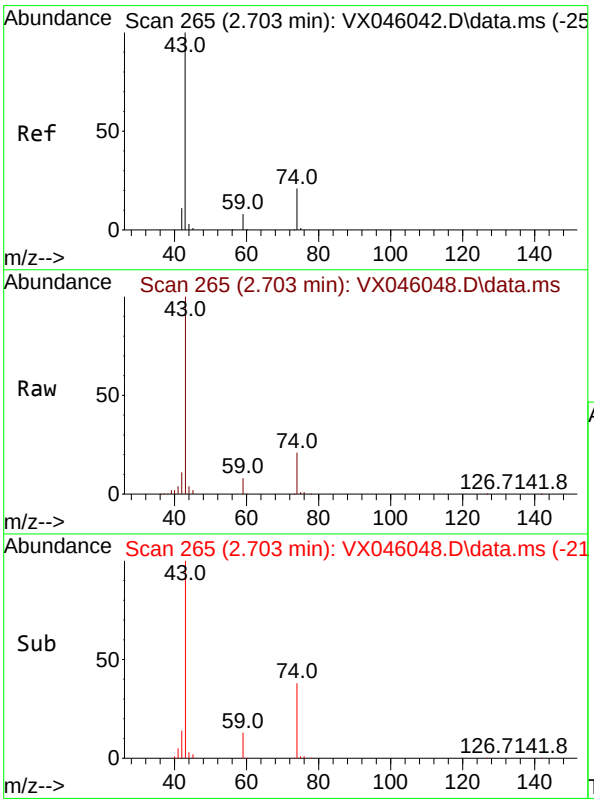
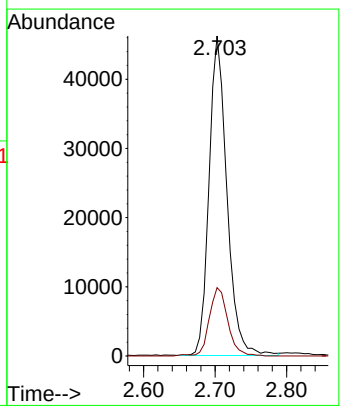
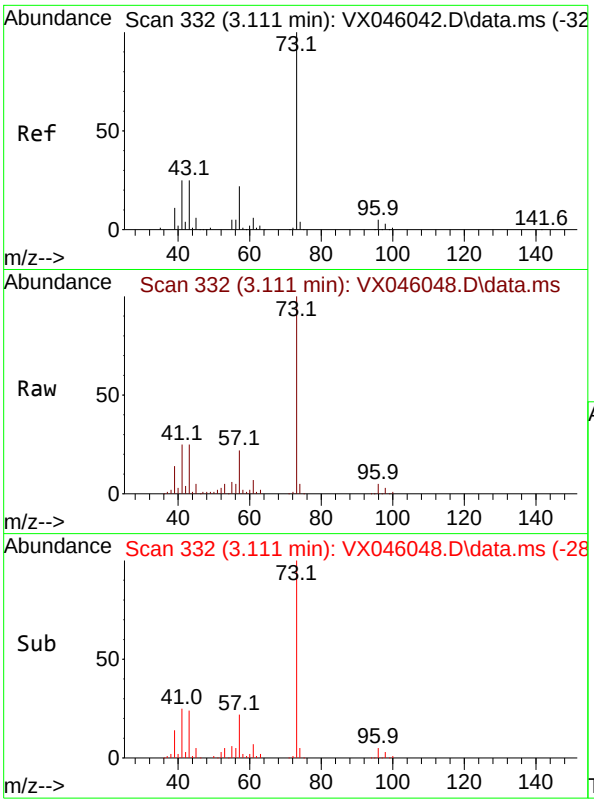


#18
Methyl Acetate
Concen: 49.968 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 80251

Ion	Ratio	Lower	Upper
43	100		
74	22.1	16.7	25.1

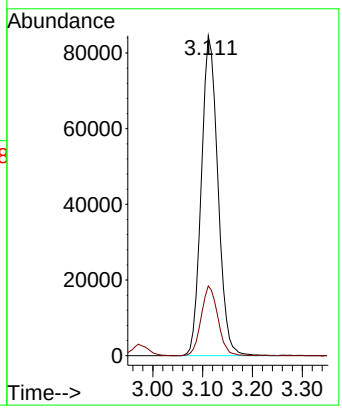




#19
Methyl tert-butyl Ether
Concen: 50.777 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 73 Resp: 19544

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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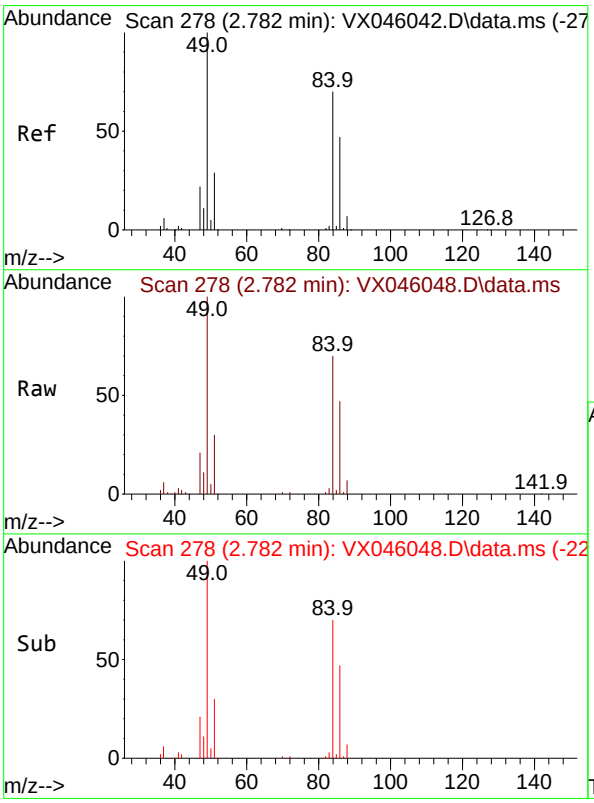
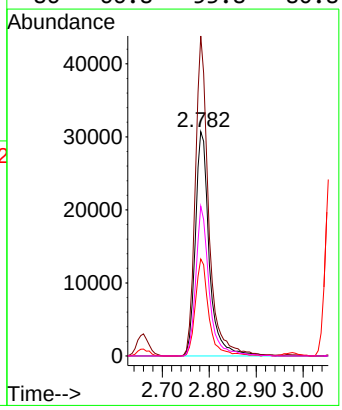
Supervised By :Mahesh Dadoda 05/06/2025

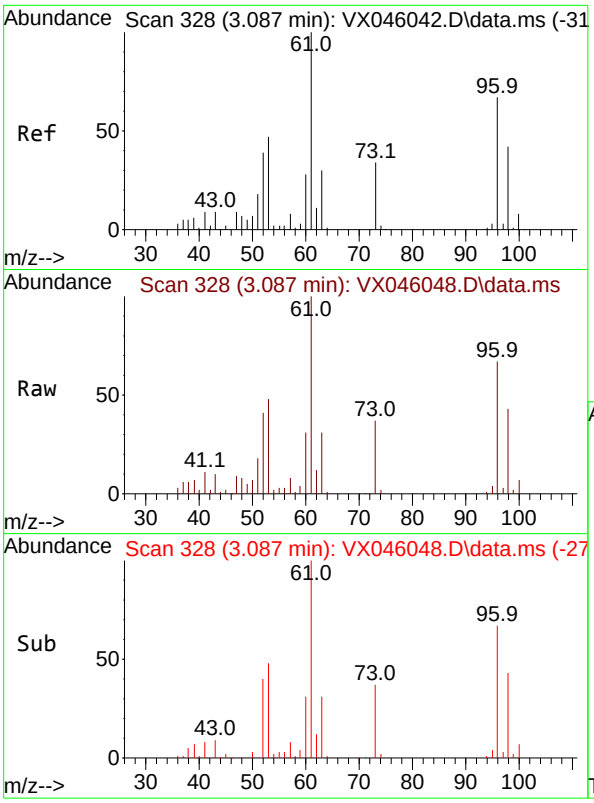


#20
Methylene Chloride
Concen: 47.779 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 84 Resp: 63369

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

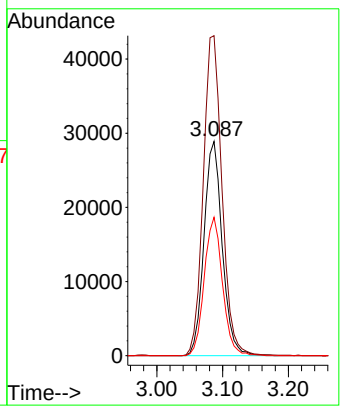




#21
trans-1,2-Dichloroethene
Concen: 50.513 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 96 Resp: 5577

Ion	Ratio	Lower	Upper
96	100		
61	149.3	119.5	179.3
98	64.6	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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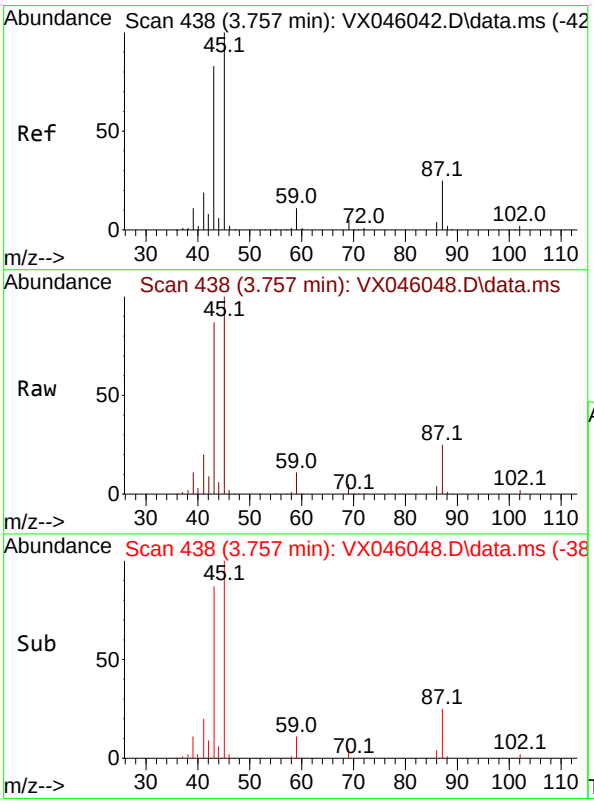
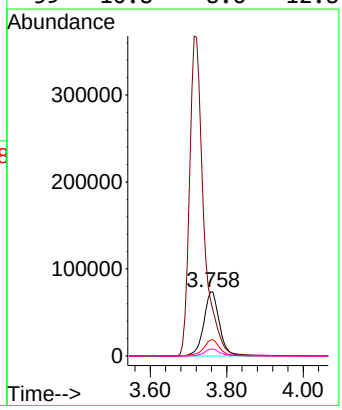
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

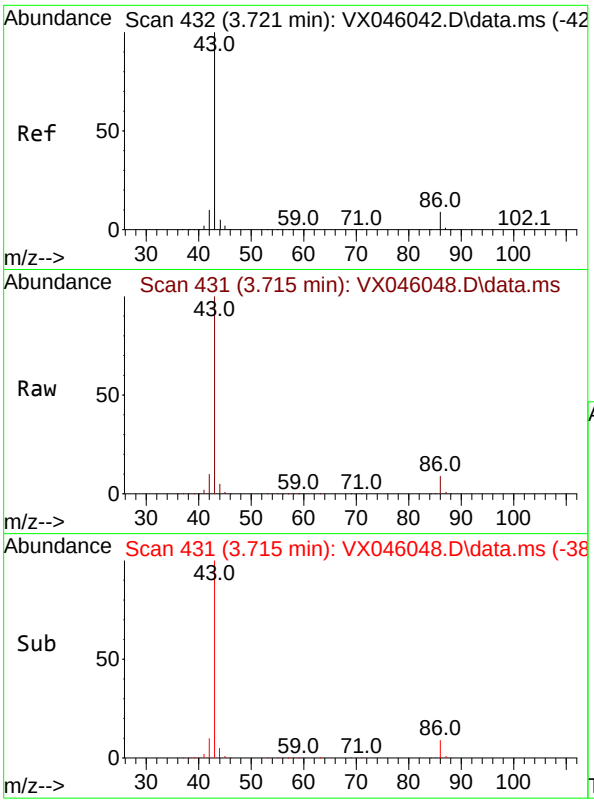


#22
Diisopropyl ether
Concen: 51.800 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 45 Resp: 209946

Ion	Ratio	Lower	Upper
45	100		
43	86.9	66.6	100.0
87	24.8	19.8	29.6
59	10.8	8.6	12.8





#23
Vinyl Acetate
Concen: 265.585 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 94674

Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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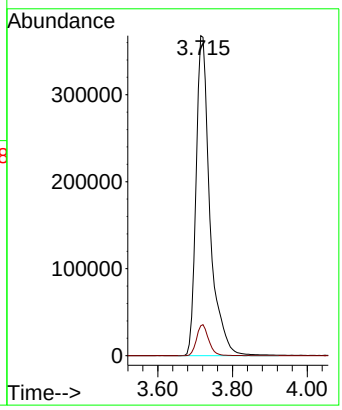
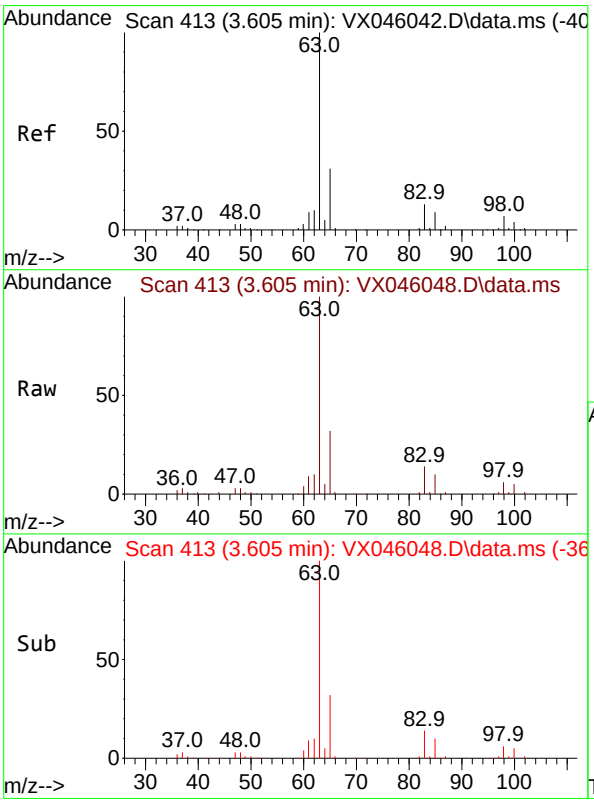
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

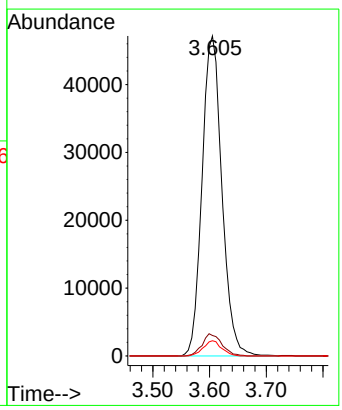


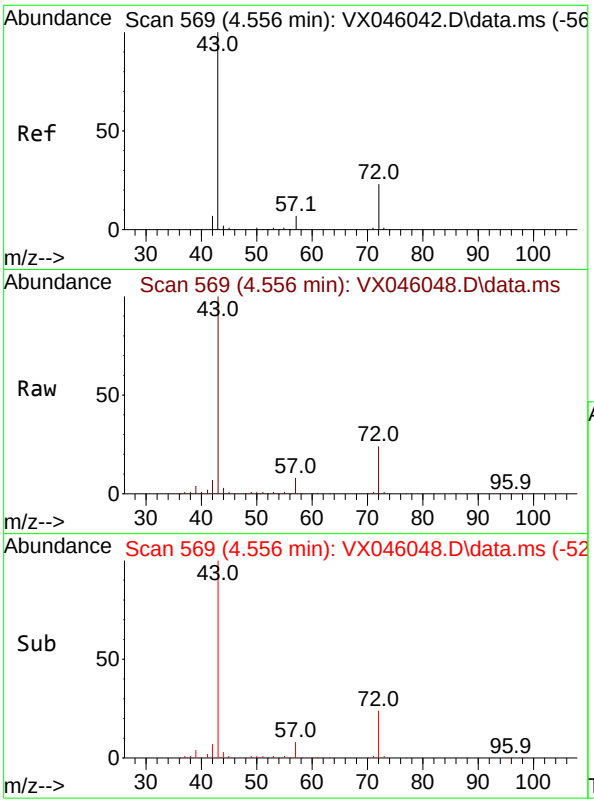


#24
1,1-Dichloroethane
Concen: 50.825 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 63 Resp: 114733

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.6	10.8
100	4.8	2.1	6.3





#25
2-Butanone
Concen: 257.110 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 25833

Ion	Ratio	Lower	Upper
43	100		
72	24.3	18.4	27.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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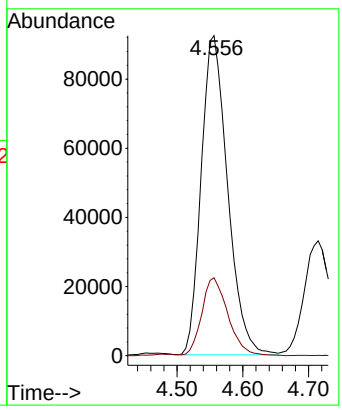
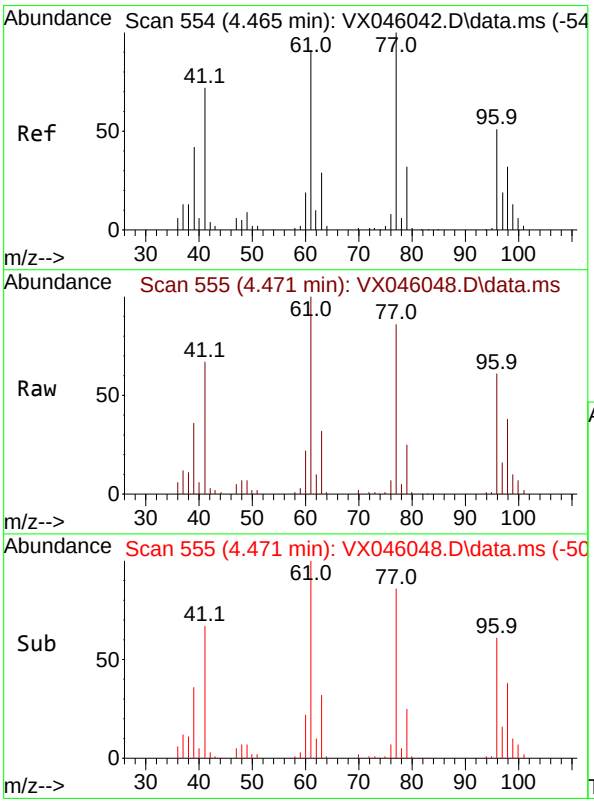
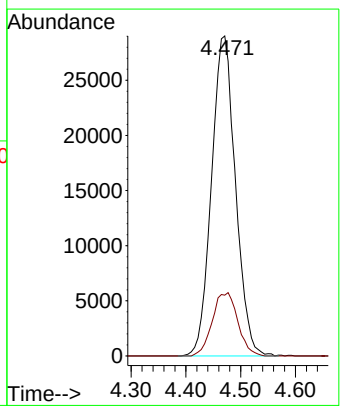


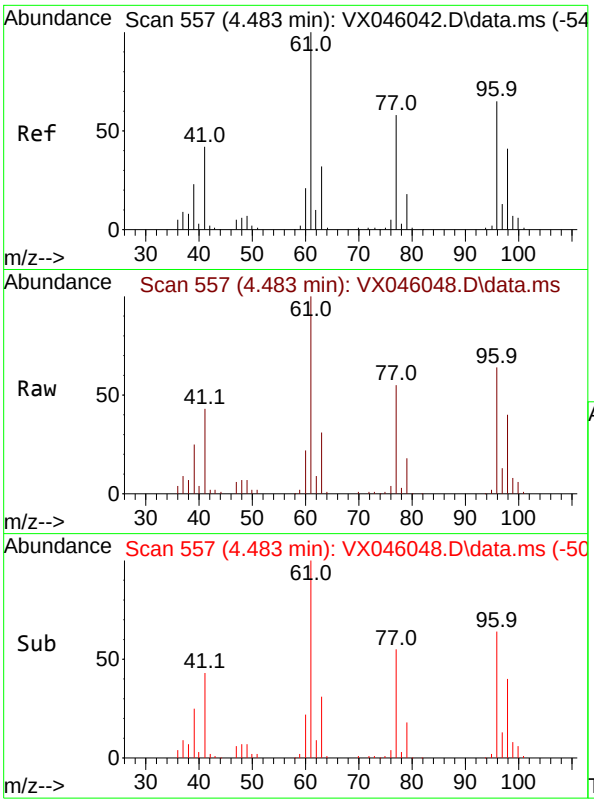


#26
2,2-Dichloropropane
Concen: 49.934 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 77 Resp: 88229

Ion	Ratio	Lower	Upper
77	100		
97	21.0	10.5	31.5





#27
cis-1,2-Dichloroethene
Concen: 50.956 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 96 Resp: 6772

Ion	Ratio	Lower	Upper
96	100		
61	160.7	0.0	322.8
98	64.4	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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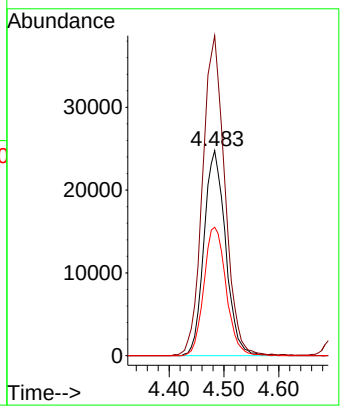
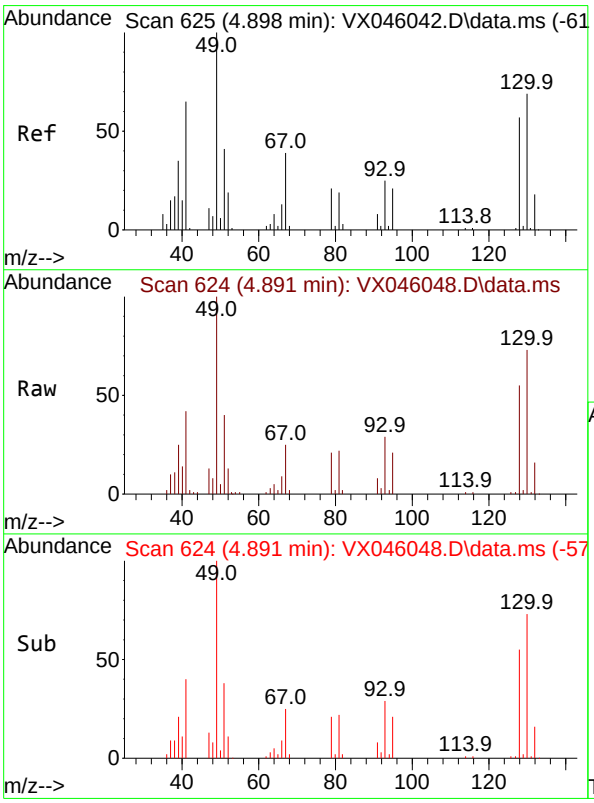
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

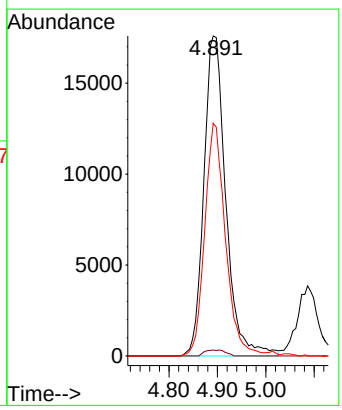


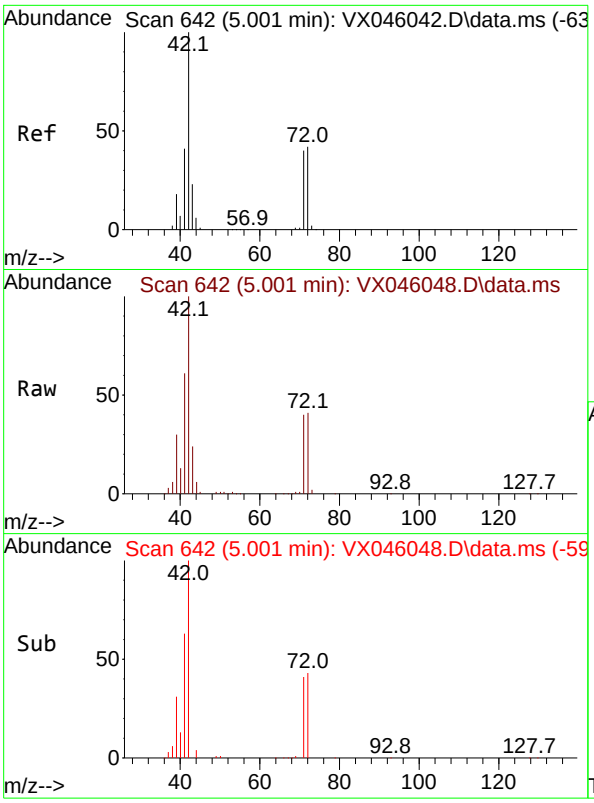


#28
Bromochloromethane
Concen: 50.975 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 49 Resp: 55390

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	68.7	56.2	84.2





#29
Tetrahydrofuran
Concen: 259.958 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 42 Resp: 16367

Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.7	50.5
71	38.5	31.4	47.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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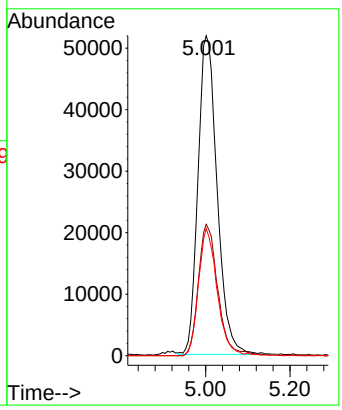
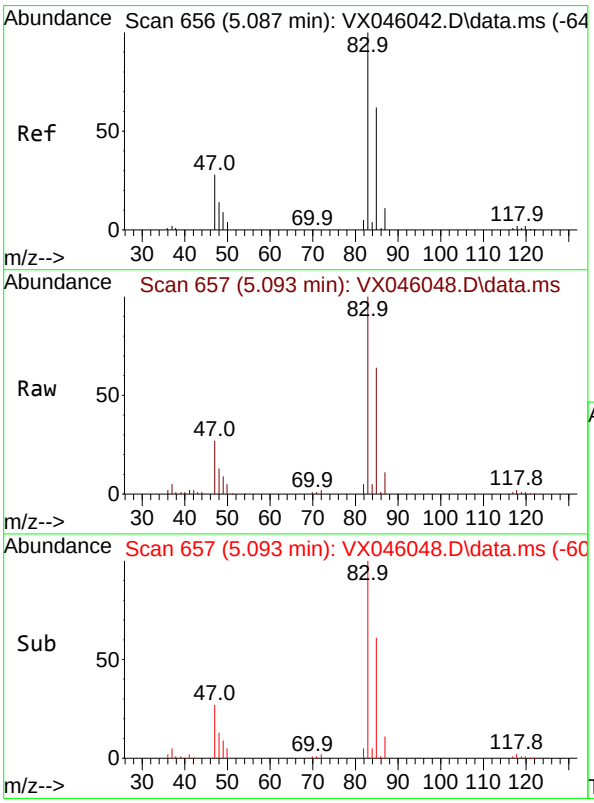
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

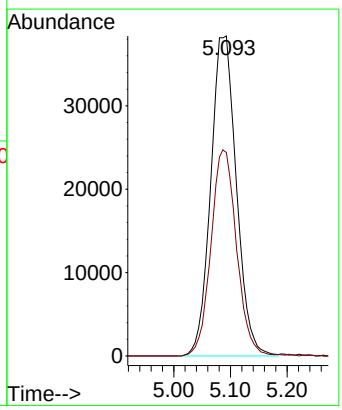


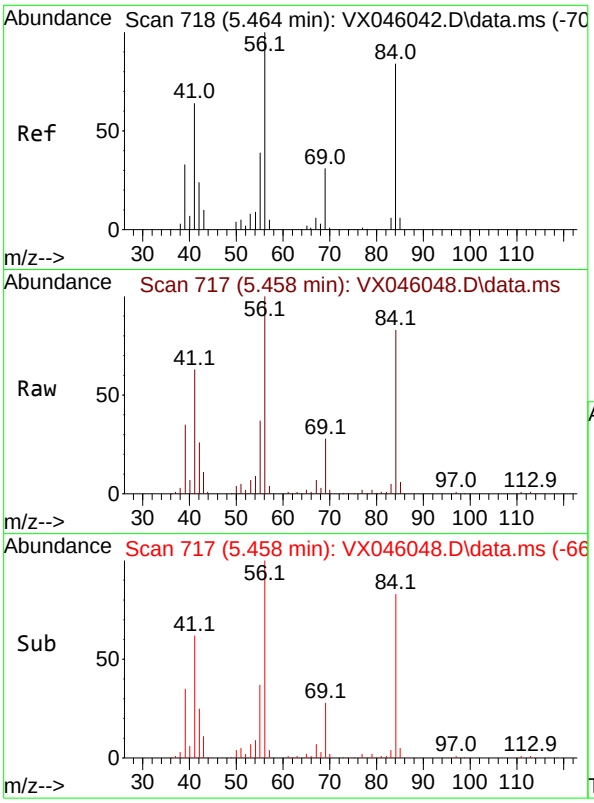


#30
Chloroform
Concen: 51.332 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 83 Resp: 120782

Ion	Ratio	Lower	Upper
83	100		
85	63.6	49.3	73.9

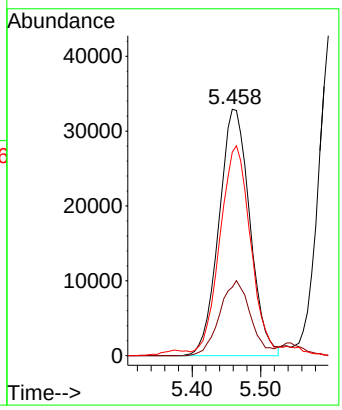




#31
Cyclohexane
Concen: 50.147 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 56 Resp: 10315

Ion	Ratio	Lower	Upper
56	100		
69	27.8	24.4	36.6
84	80.5	66.9	100.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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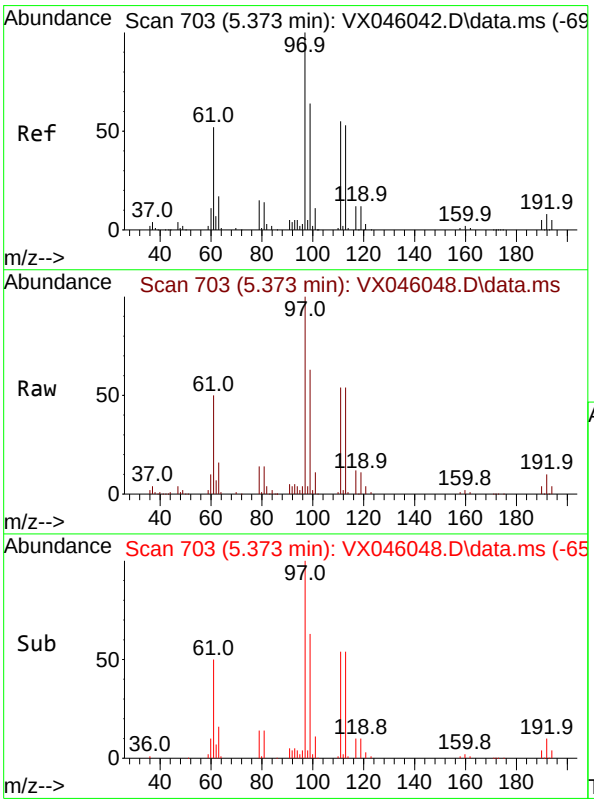
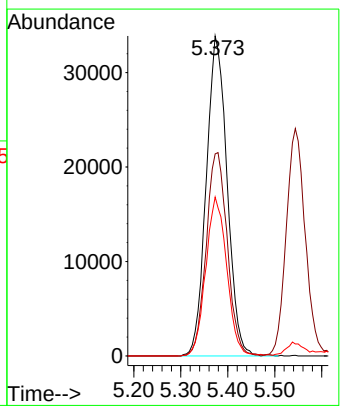
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

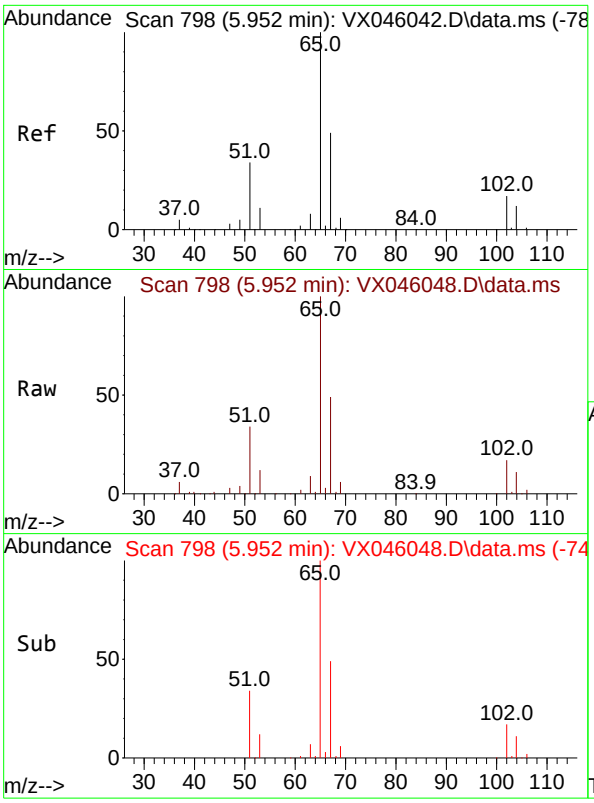


#32
1,1,1-Trichloroethane
Concen: 51.108 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 97 Resp: 104243

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.8	77.6
61	50.2	40.1	60.1

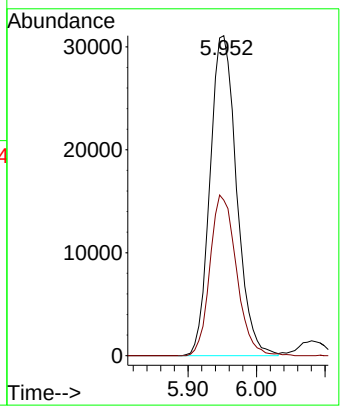




#33
1,2-Dichloroethane-d4
Concen: 48.509 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 65 Resp: 8373

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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Reviewed By :John Carlone 05/06/2025
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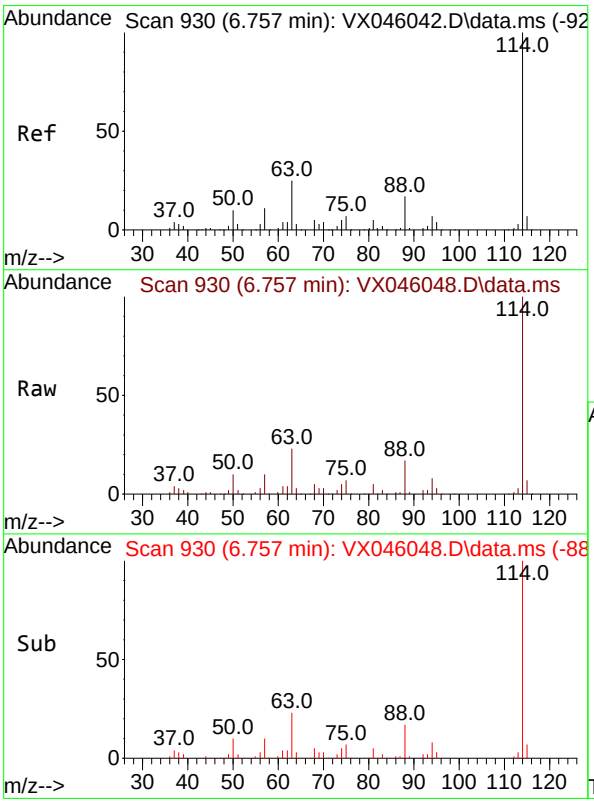
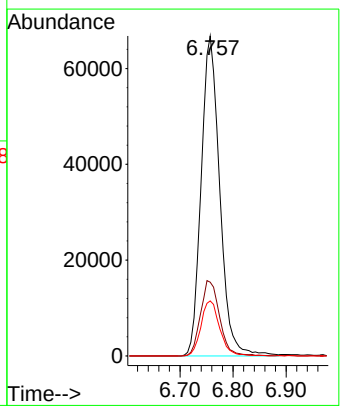
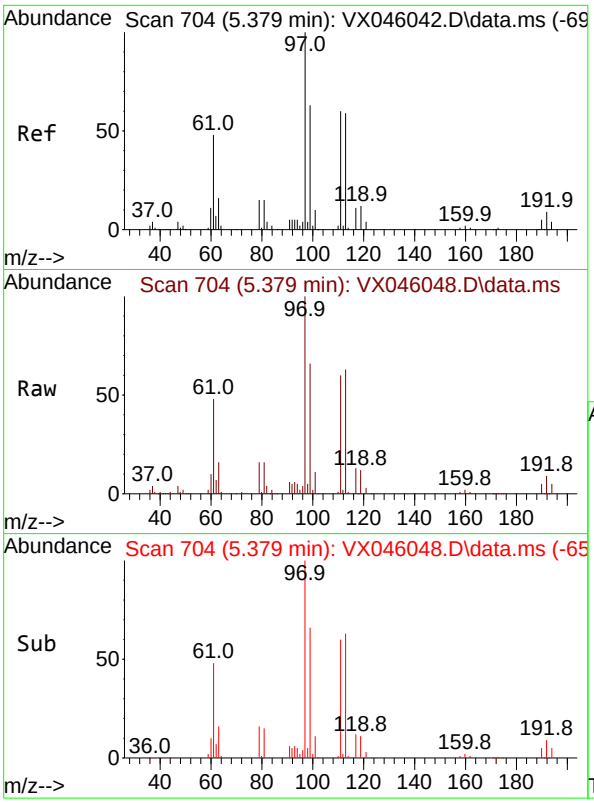


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:114 Resp: 162651

Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	49.2
88	17.2	0.0	33.6

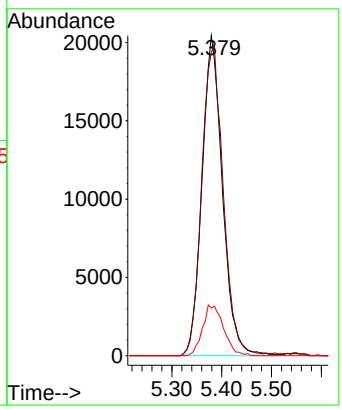




#35
Dibromofluoromethane
Concen: 49.683 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:113 Resp: 5819

Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.1	124.7
192	16.2	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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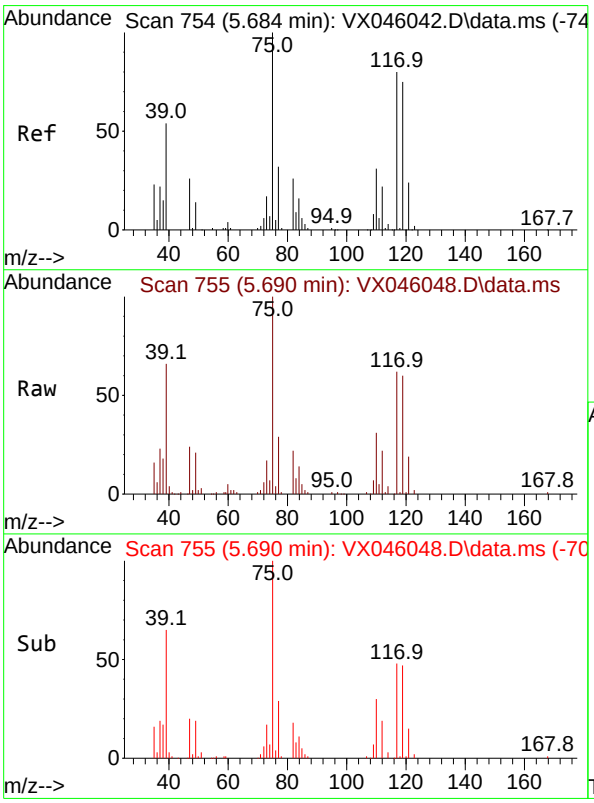
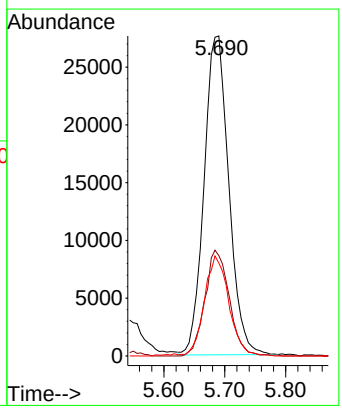
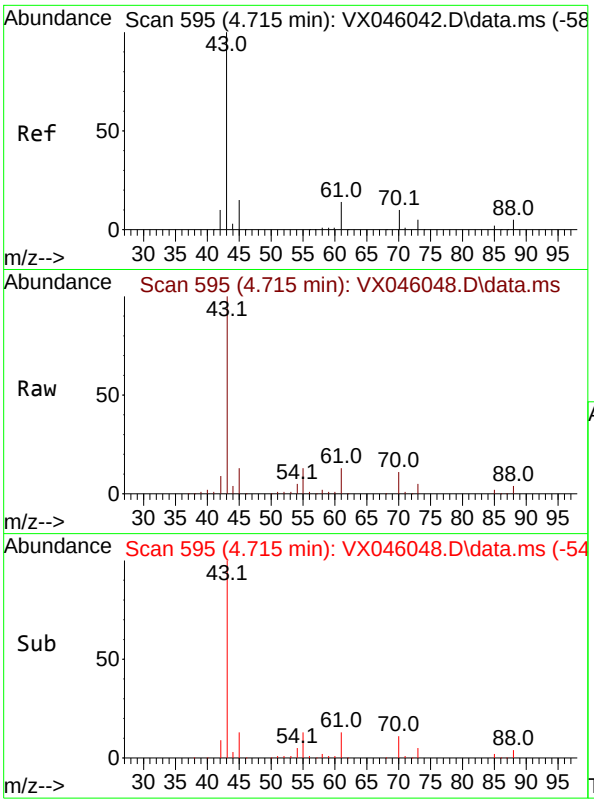


#36
1,1-Dichloropropene
Concen: 49.521 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 75 Resp: 77931

Ion	Ratio	Lower	Upper
75	100		
110	32.7	16.3	48.9
77	31.1	24.3	36.5





#37
Ethyl Acetate
Concen: 50.714 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 9860

Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.3	15.5
70	10.0	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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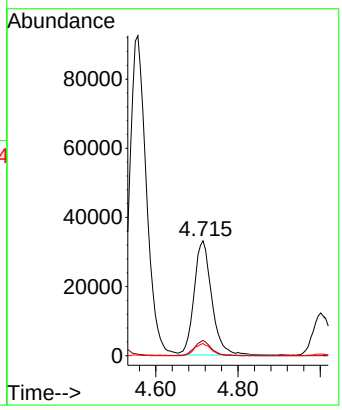
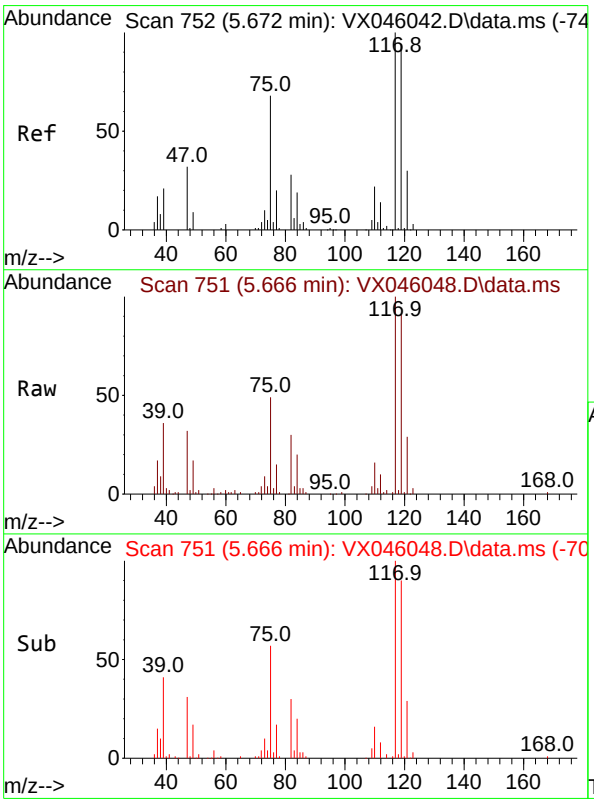
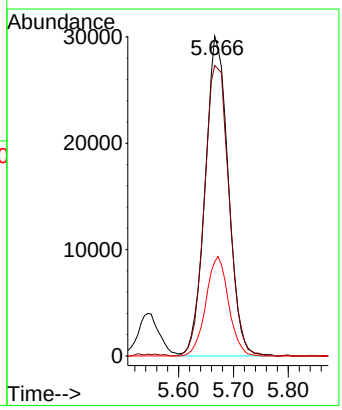


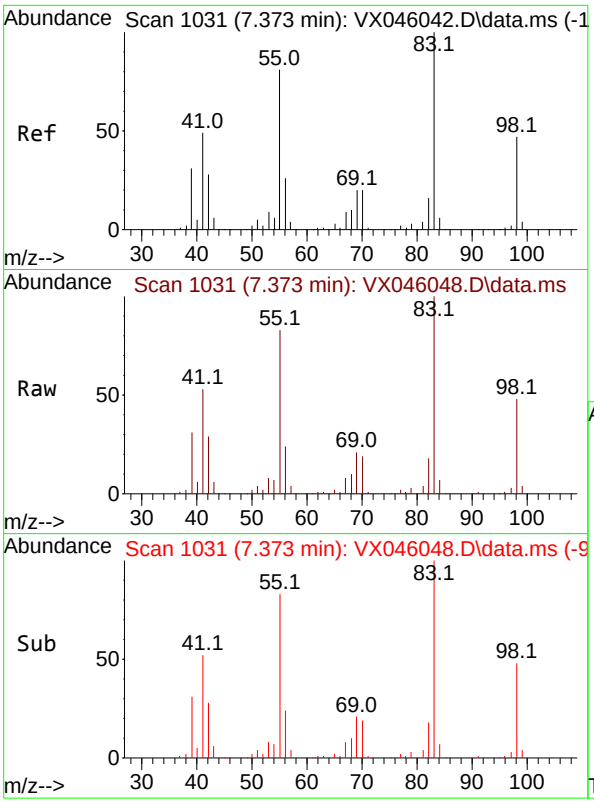


#38
Carbon Tetrachloride
Concen: 49.825 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:117 Resp: 88100

Ion	Ratio	Lower	Upper
117	100		
119	90.7	75.2	112.8
121	29.4	24.2	36.4





#39
Methylcyclohexane
Concen: 49.757 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 83 Resp: 10080

Ion	Ratio	Lower	Upper
83	100		
55	82.7	64.7	97.1
98	48.3	37.4	56.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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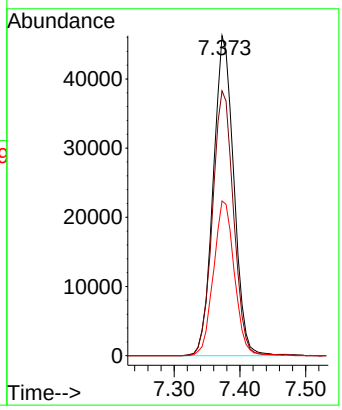
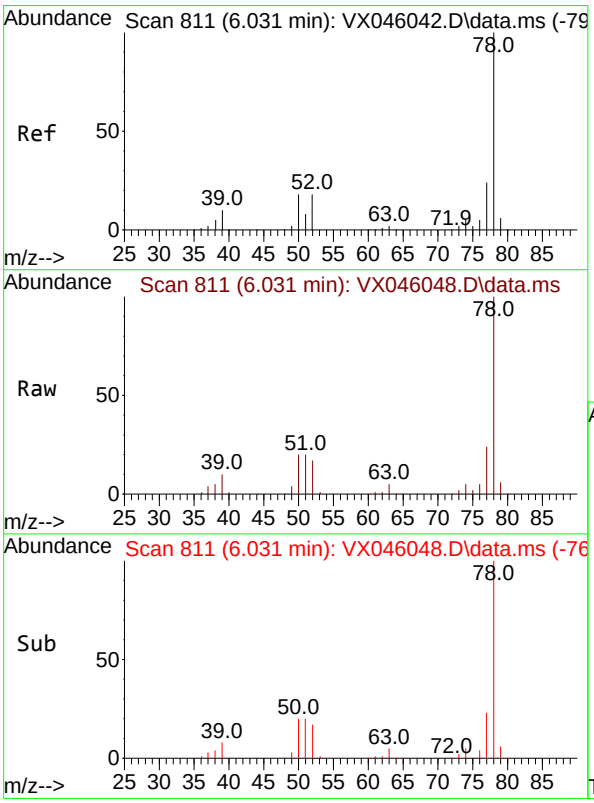
Supervised By :Mahesh Dadoda 05/06/2025

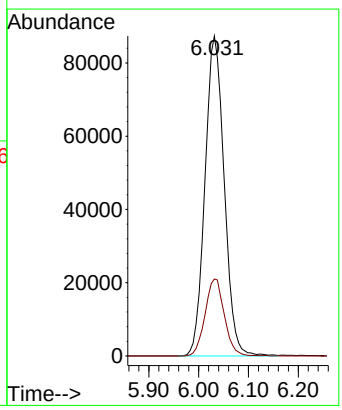


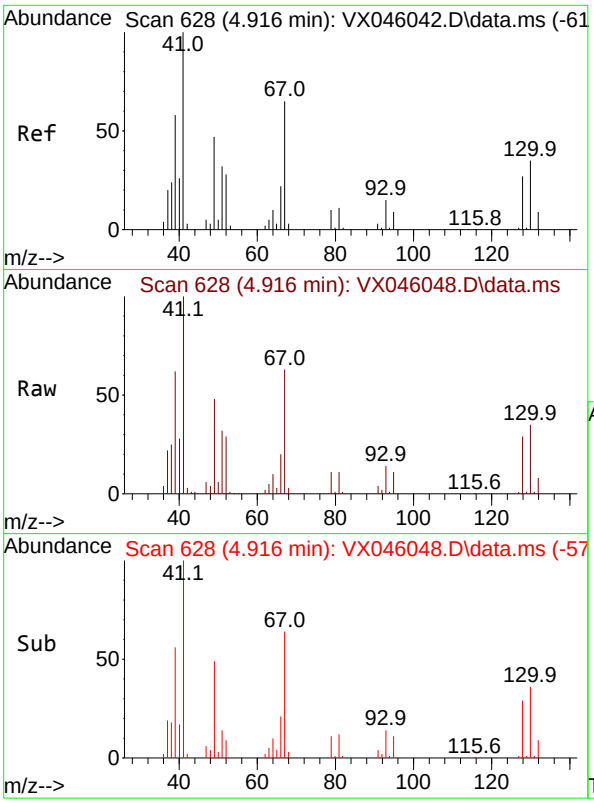


#40
Benzene
Concen: 50.759 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 78 Resp: 233977

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.4

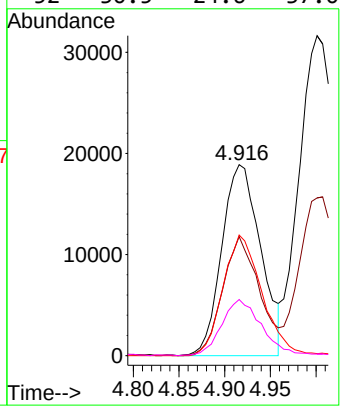




#41
Methacrylonitrile
Concen: 55.076 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 41 Resp: 5601

Ion	Ratio	Lower	Upper
41	100		
39	58.7	47.2	70.8
67	63.7	50.7	76.1
52	30.5	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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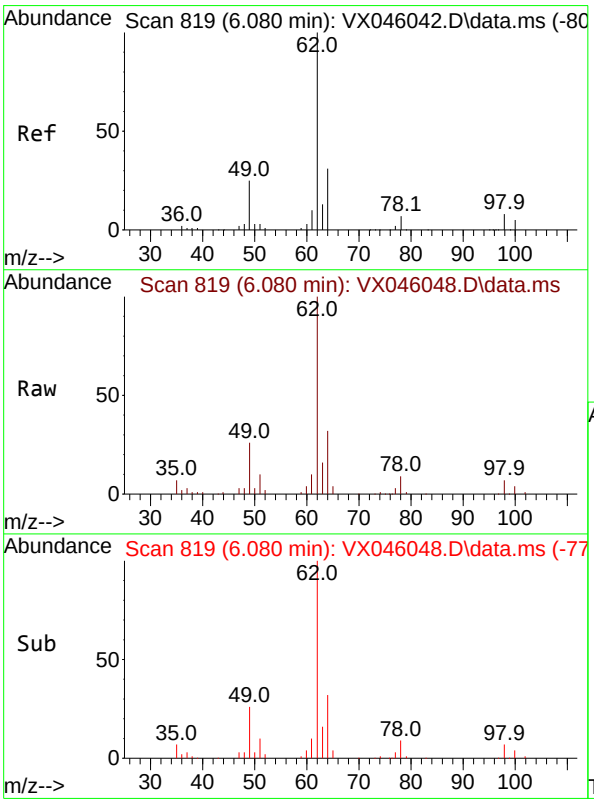
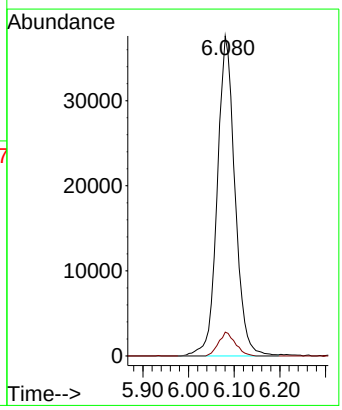
Supervised By :Mahesh Dadoda 05/06/2025

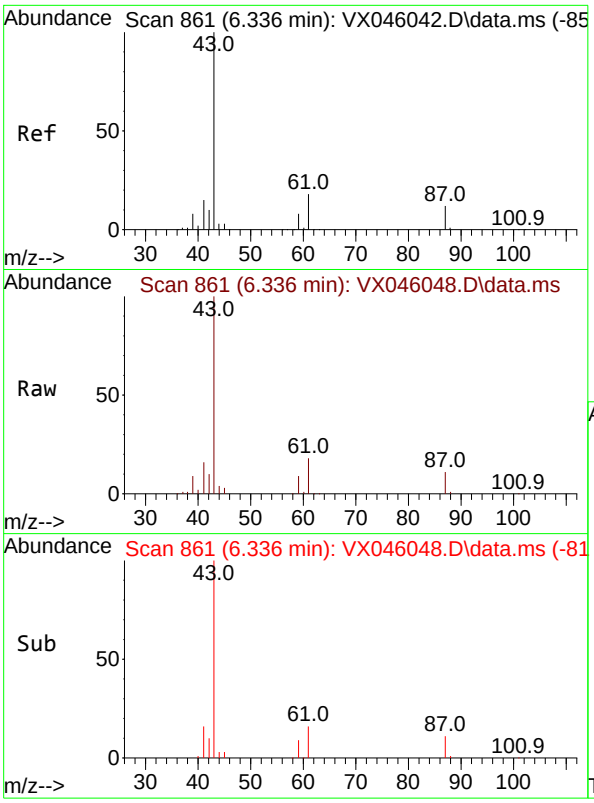


#42
1,2-Dichloroethane
Concen: 50.861 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 62 Resp: 101185

Ion	Ratio	Lower	Upper
62	100		
98	7.1	0.0	15.2





#43
Isopropyl Acetate
Concen: 52.195 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 15481

Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.3	21.5
87	11.4	9.5	14.3

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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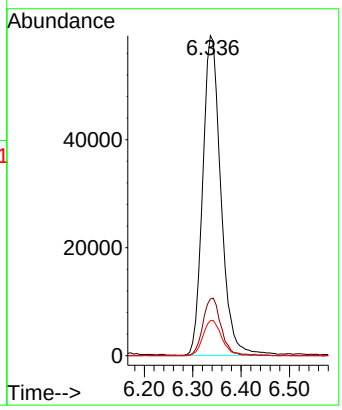
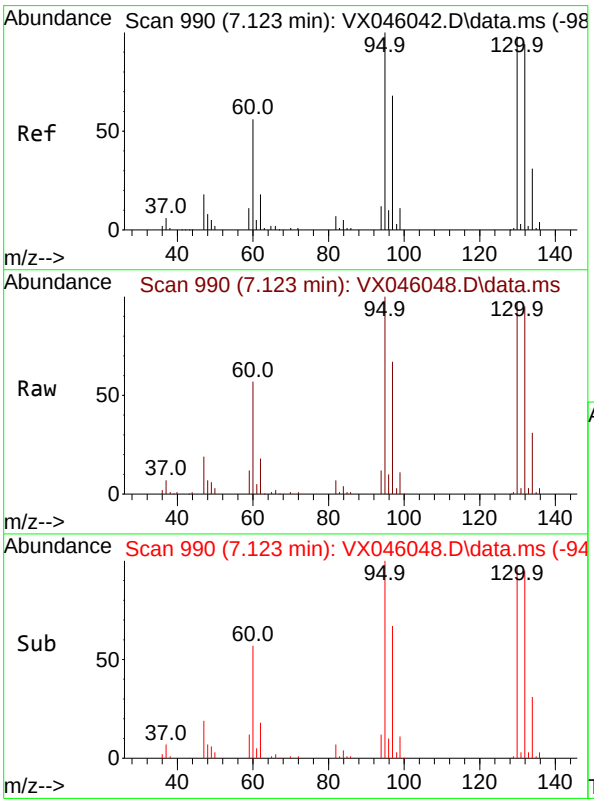
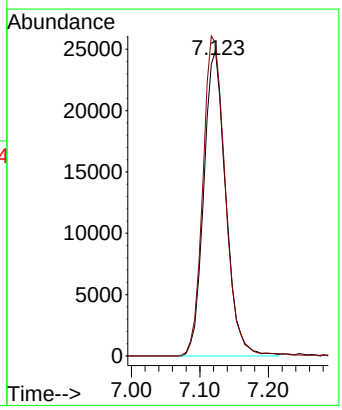


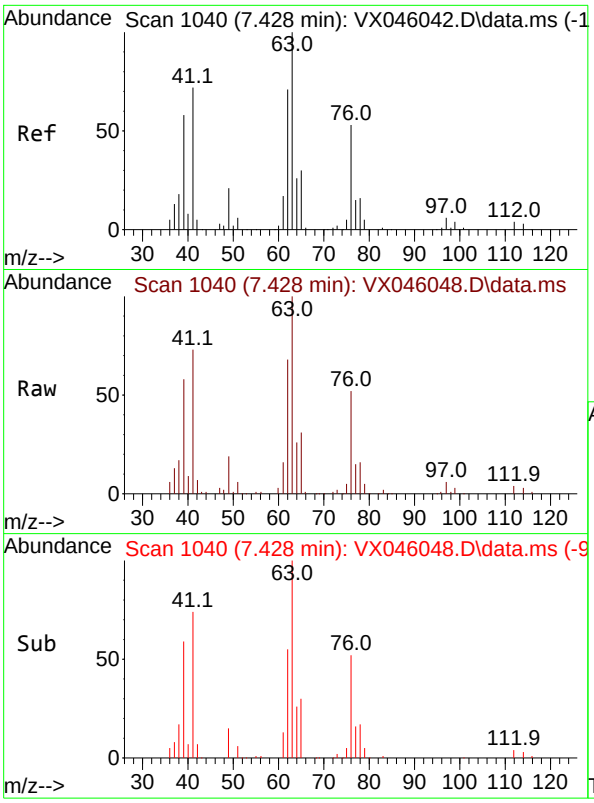


#44
Trichloroethene
Concen: 50.018 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:130 Resp: 55491

Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	204.2





#45
1,2-Dichloropropane
Concen: 51.983 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 63 Resp: 5958

Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.1	36.1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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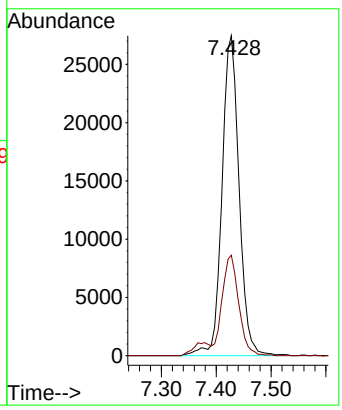
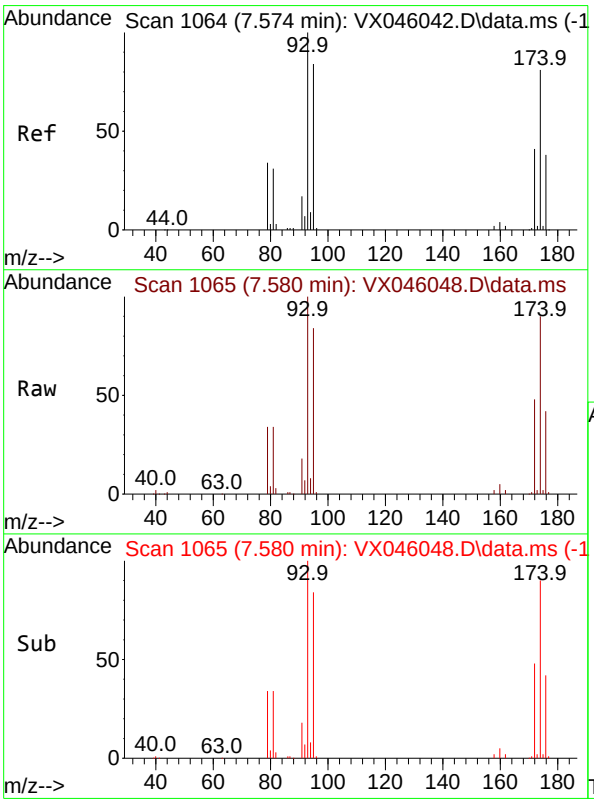
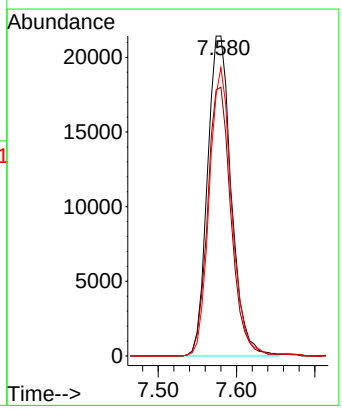


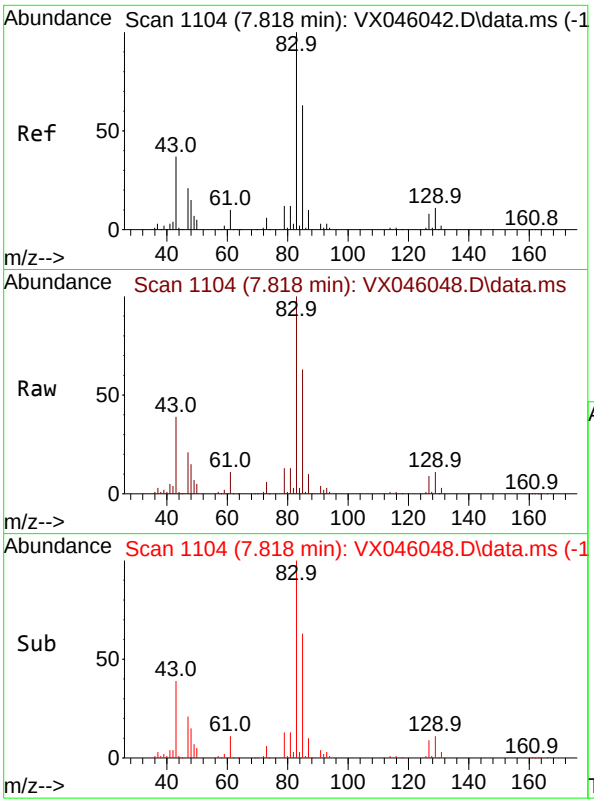


#46
Dibromomethane
Concen: 49.978 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 93 Resp: 45181

Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.6	98.4
174	84.8	68.2	102.2





#47
Bromodichloromethane
Concen: 51.889 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 83 Resp: 9238

Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.5	75.7
127	8.8	6.5	9.7

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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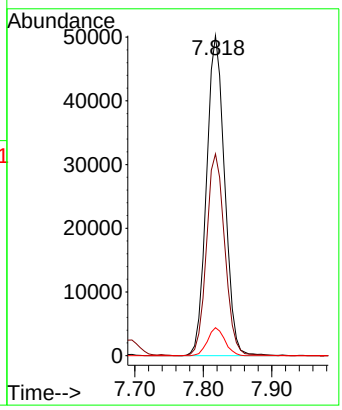
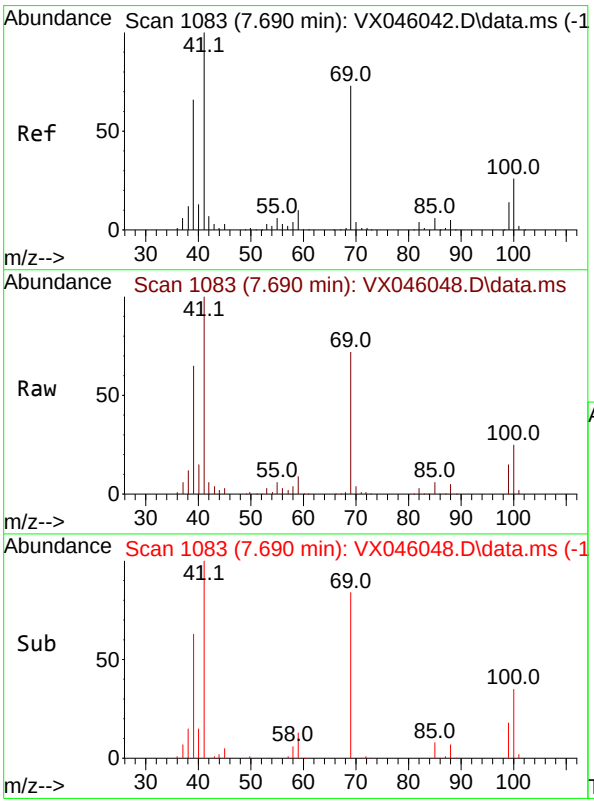
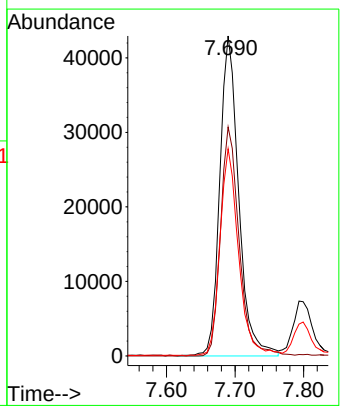


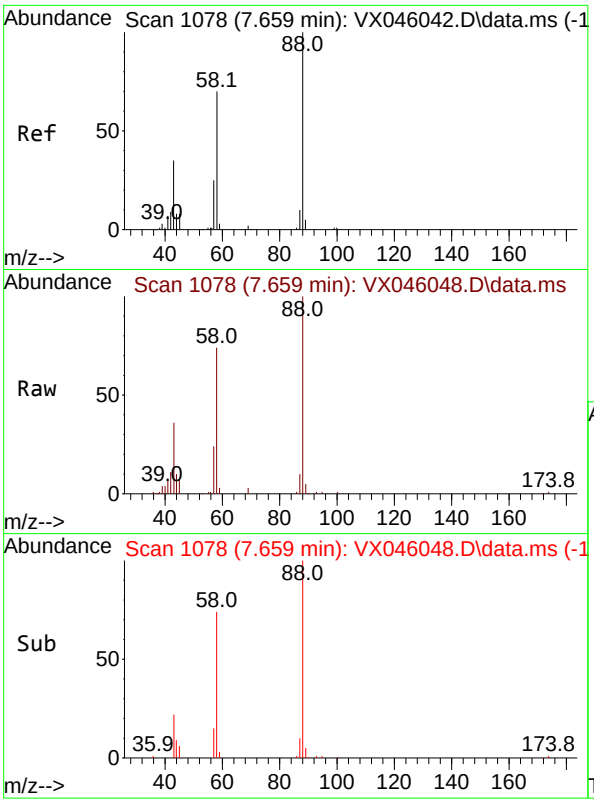


#48
Methyl methacrylate
Concen: 54.226 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 41 Resp: 82144

Ion	Ratio	Lower	Upper
41	100		
69	70.4	58.5	87.7
39	64.2	51.7	77.5

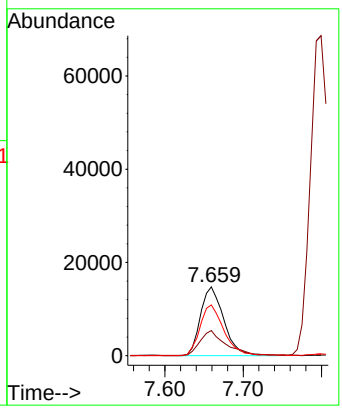




#49
1,4-Dioxane
Concen: 1059.599 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 88 Resp: 3047

Ion	Ratio	Lower	Upper
88	100		
43	39.9	33.4	50.2
58	76.2	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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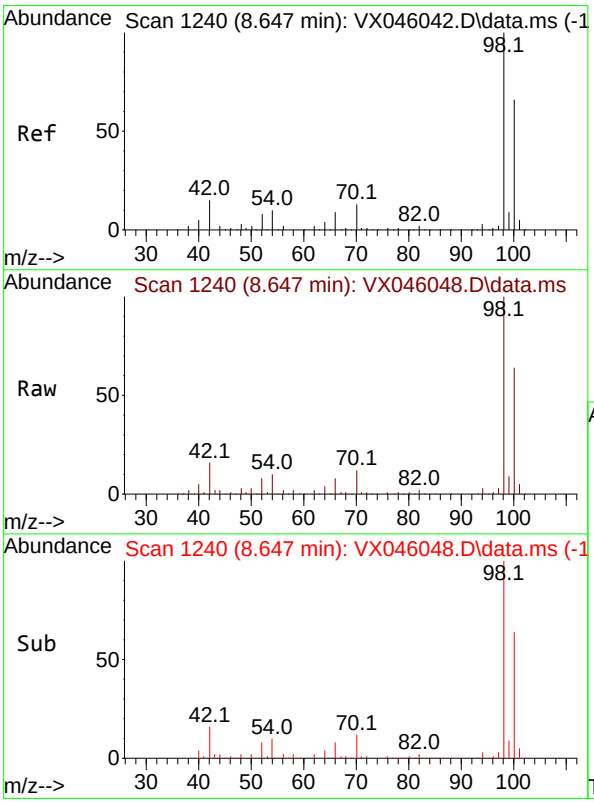
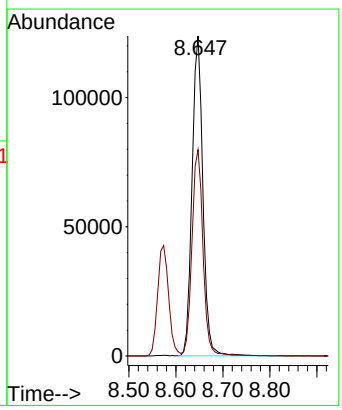
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

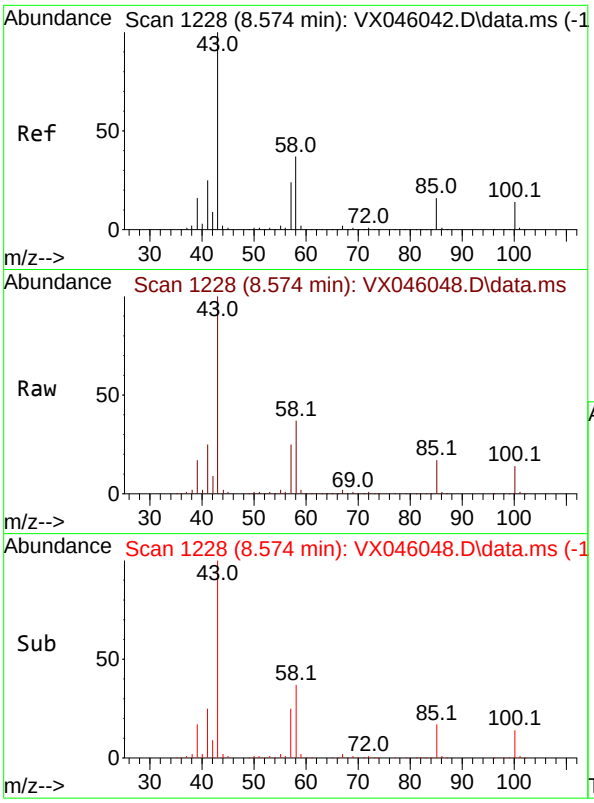


#50
Toluene-d8
Concen: 48.984 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 98 Resp: 198575

Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.5	80.3





#51
4-Methyl-2-Pentanone
Concen: 259.133 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 51020

Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.9	43.3

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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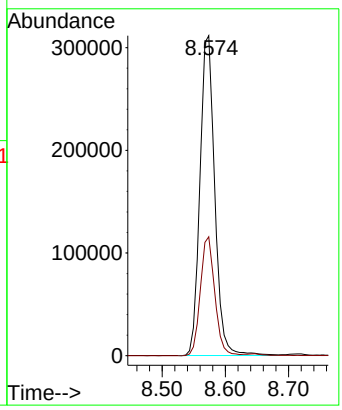
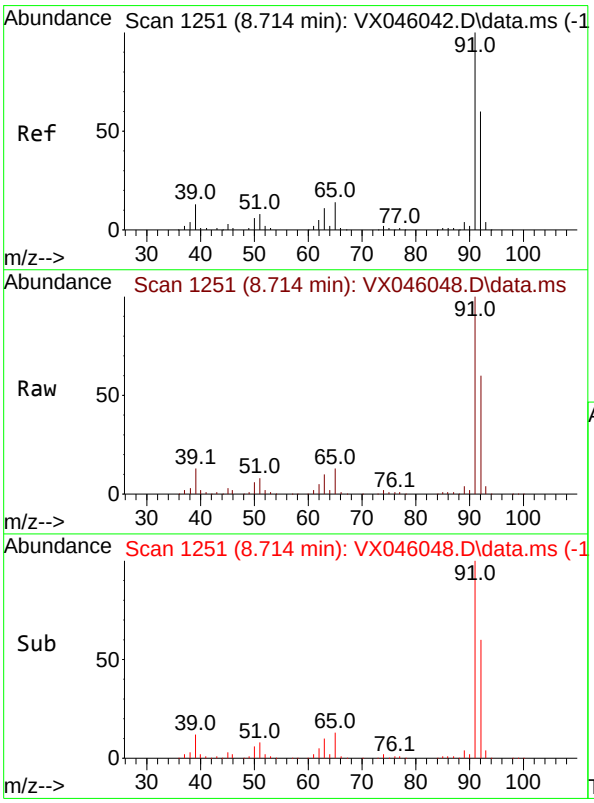
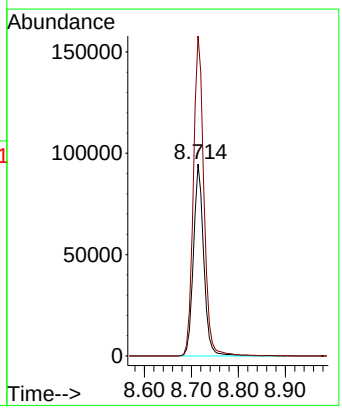


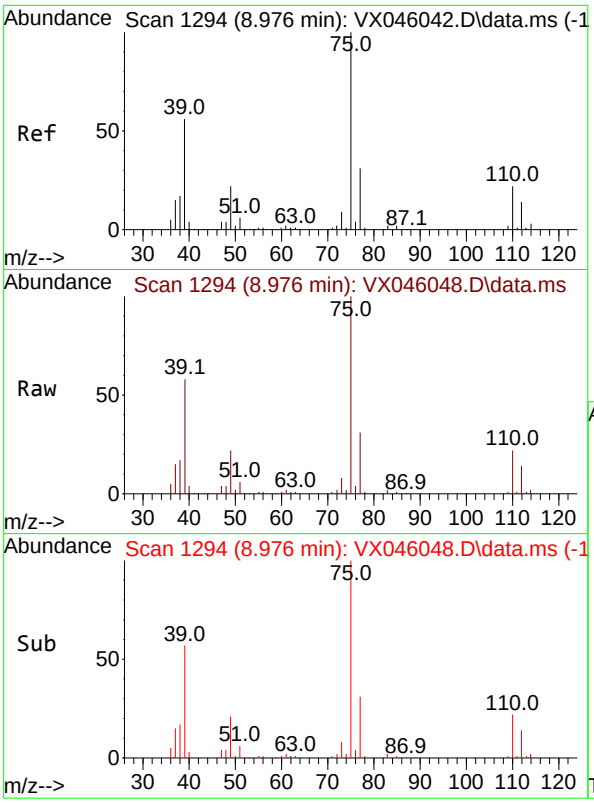


#52
Toluene
Concen: 51.150 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 92 Resp: 144574

Ion	Ratio	Lower	Upper
92	100		
91	171.4	136.6	205.0

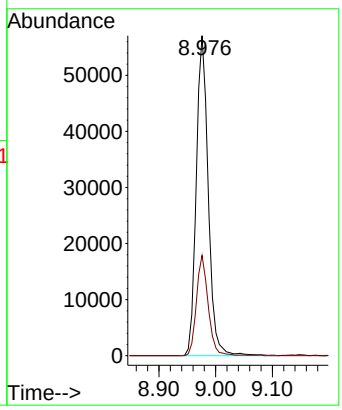




#53
t-1,3-Dichloropropene
Concen: 52.920 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 75 Resp: 8375

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
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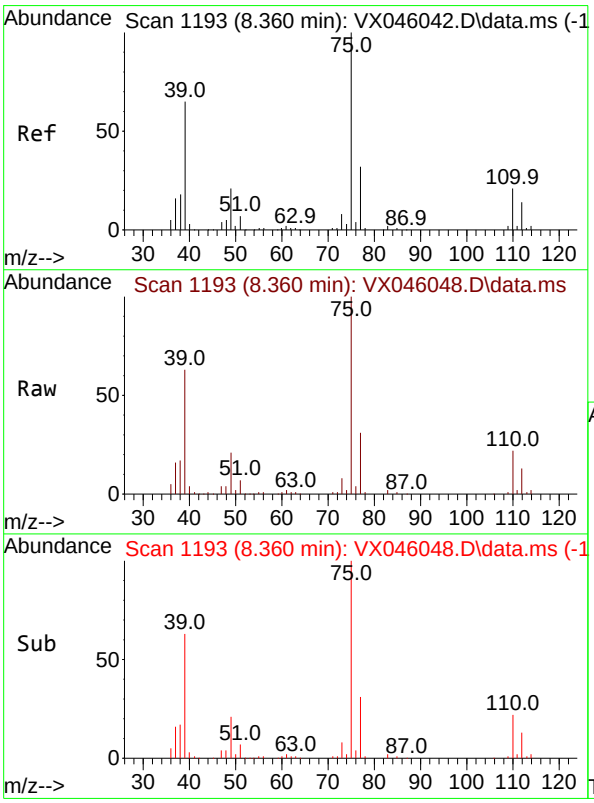
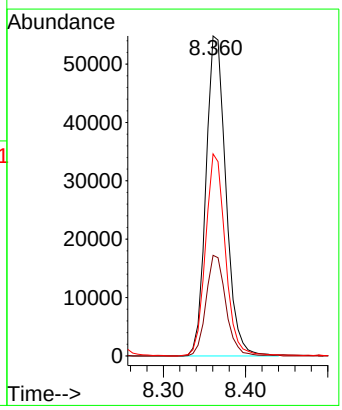
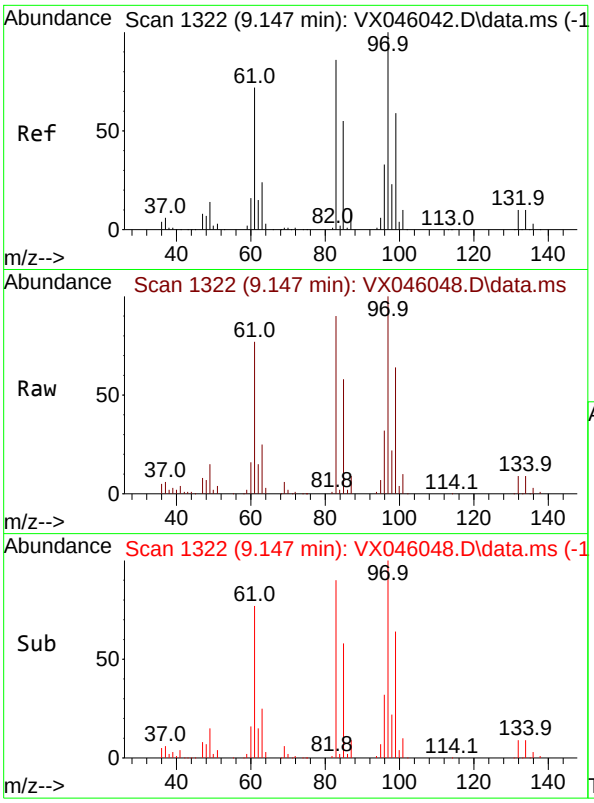


#54
cis-1,3-Dichloropropene
Concen: 52.892 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 75 Resp: 92517

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0
39	63.2	52.2	78.4

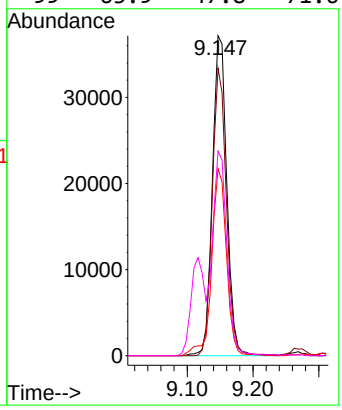




#55
1,1,2-Trichloroethane
Concen: 50.887 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 97 Resp: 5671

Ion	Ratio	Lower	Upper
97	100		
83	89.8	69.0	103.6
85	58.4	44.3	66.5
99	63.9	47.8	71.6



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ClientSampleId :
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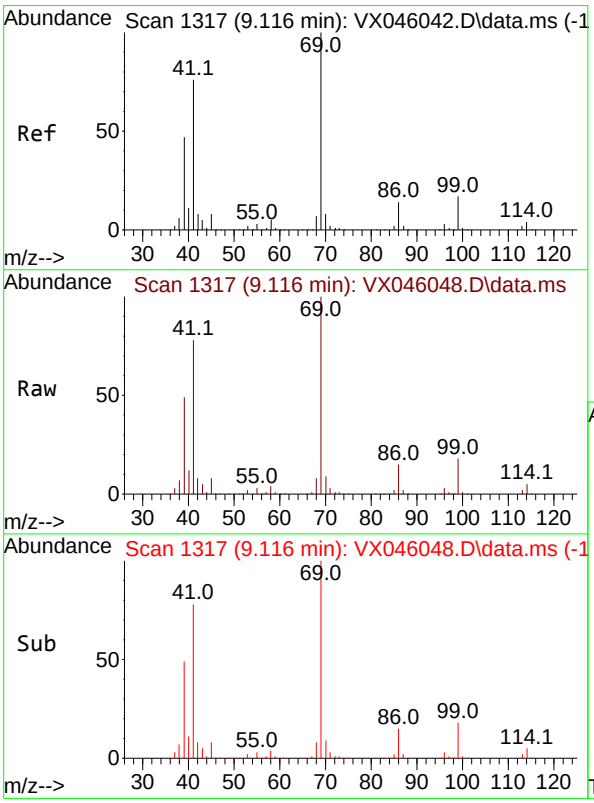
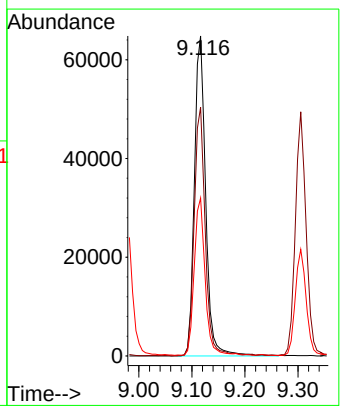
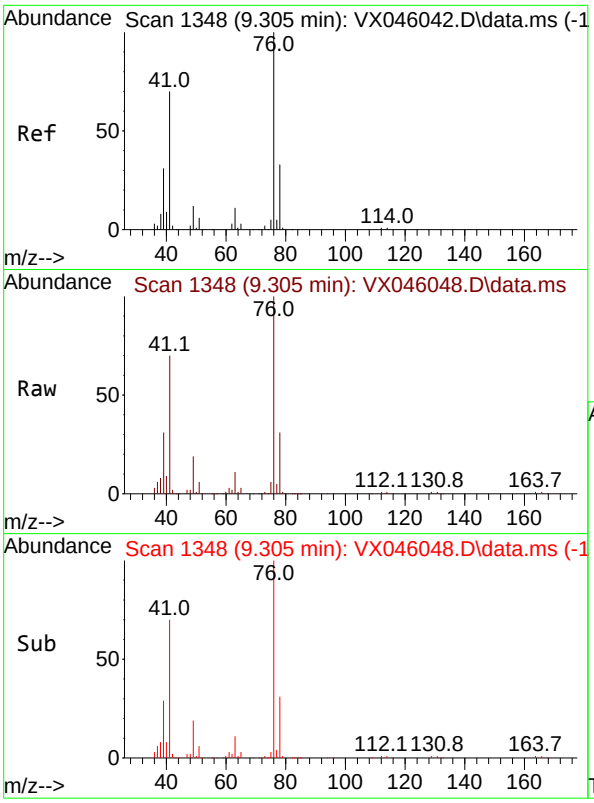


#56
Ethyl methacrylate
Concen: 53.918 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 69 Resp: 95772

Ion	Ratio	Lower	Upper
69	100		
41	76.1	60.8	91.2
39	47.4	39.0	58.6





#57
1,3-Dichloropropane
Concen: 49.793 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 76 Resp: 9966

Ion	Ratio	Lower	Upper
76	100		
78	31.4	26.3	39.5

Instrument :
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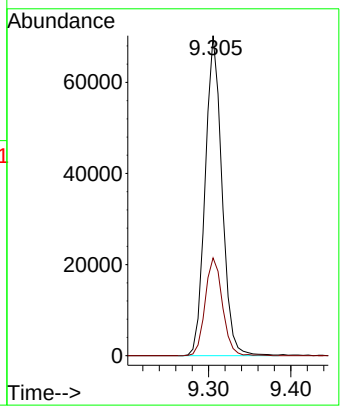
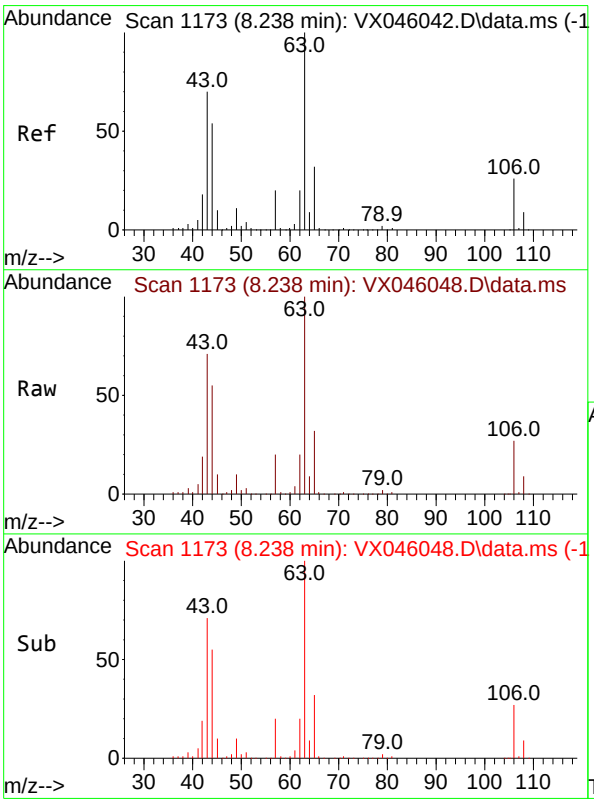
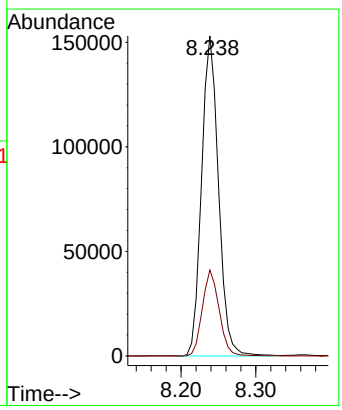


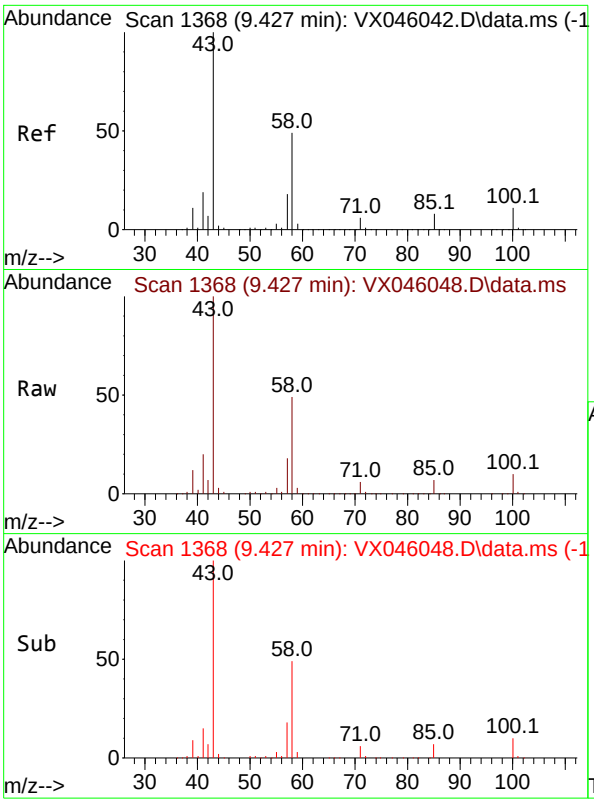


#58
2-Chloroethyl Vinyl ether
Concen: 265.780 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 63 Resp: 240681

Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.5	32.3





#59
2-Hexanone
Concen: 268.218 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 39070

Ion	Ratio	Lower	Upper
43	100		
58	49.6	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
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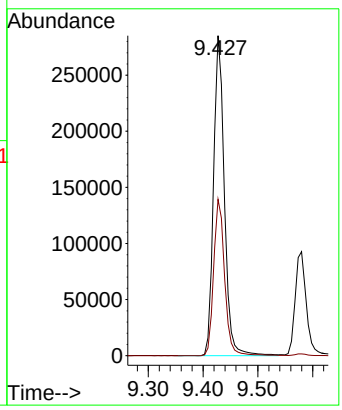
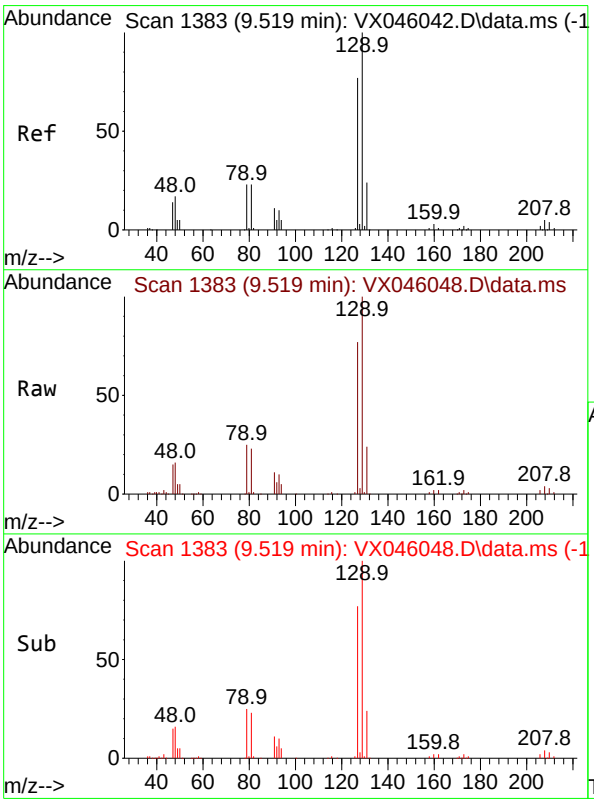
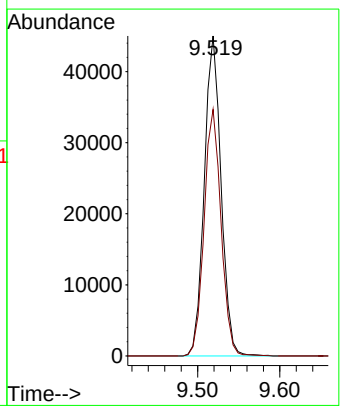


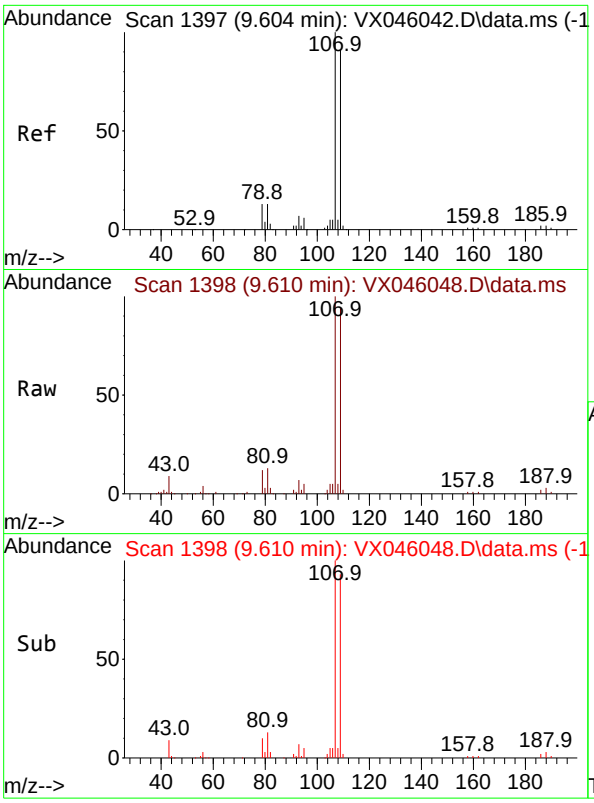


#60
Dibromochloromethane
Concen: 52.075 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:129 Resp: 63738

Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.3	117.8

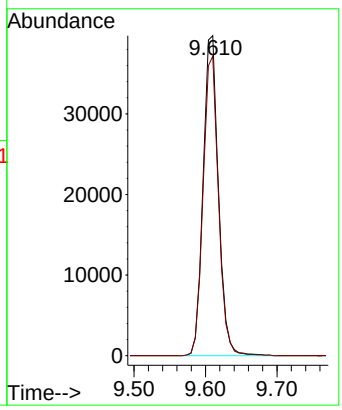




#61
1,2-Dibromoethane
Concen: 51.050 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:107 Resp: 5913

Ion	Ratio	Lower	Upper
107	100		
109	93.8	73.3	109.9



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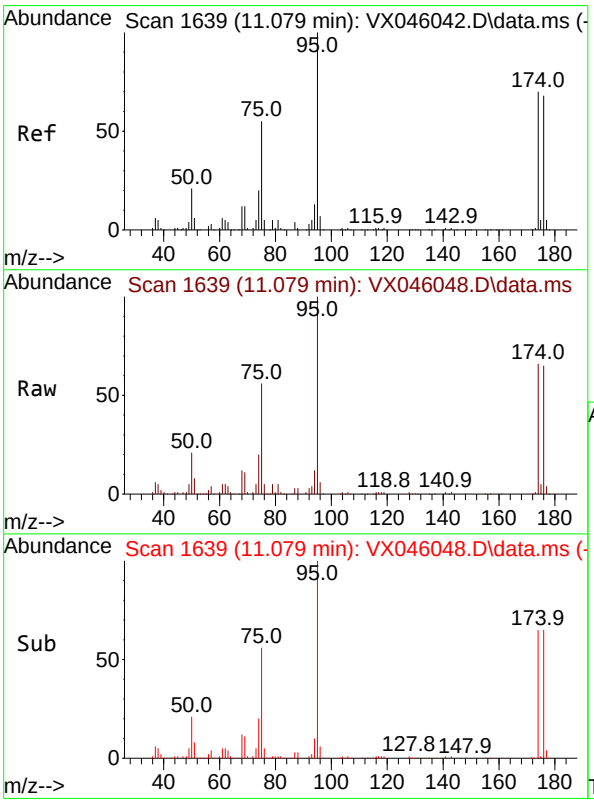
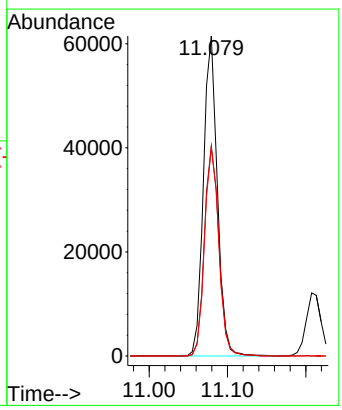
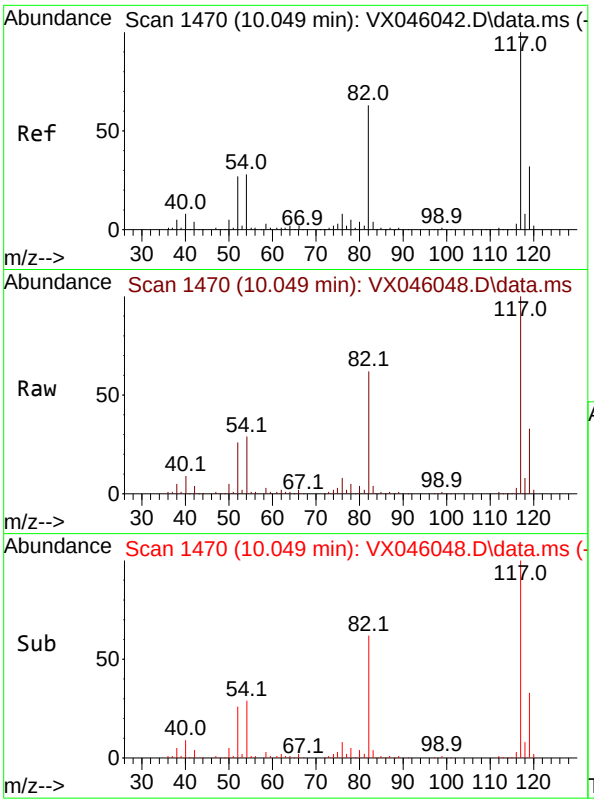


#62
4-Bromofluorobenzene
Concen: 48.596 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 95 Resp: 75568

Ion	Ratio	Lower	Upper
95	100		
174	68.2	0.0	135.8
176	66.5	0.0	131.4

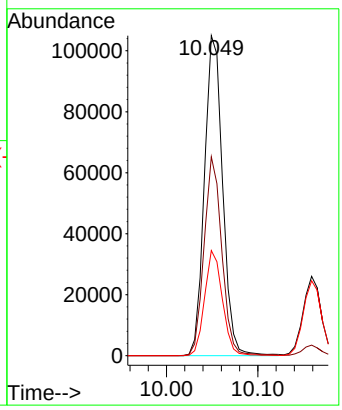




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:117 Resp: 14507

Ion	Ratio	Lower	Upper
117	100		
82	62.1	50.6	76.0
119	32.9	25.8	38.6



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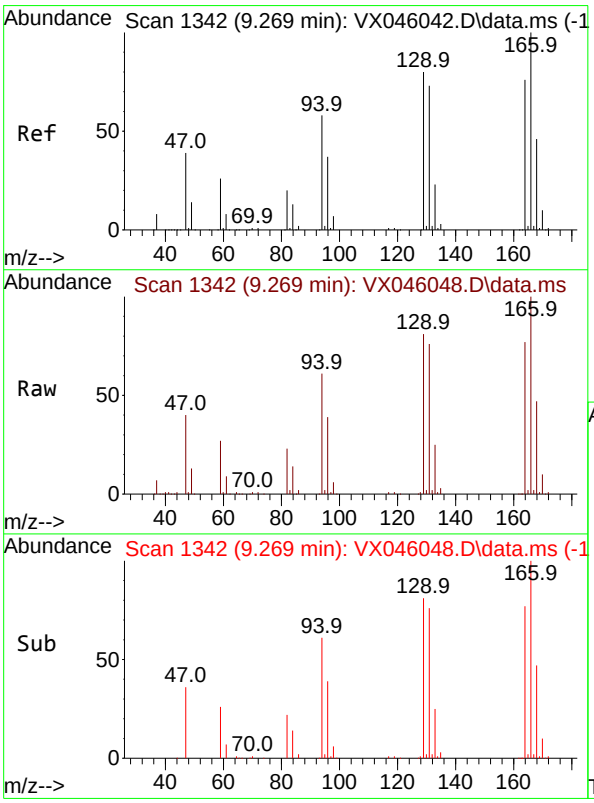
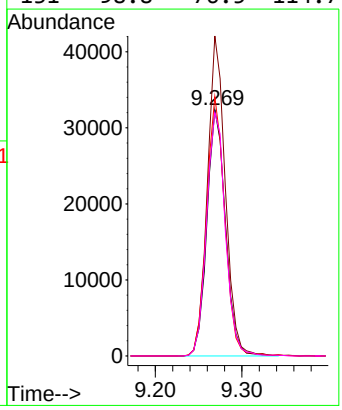
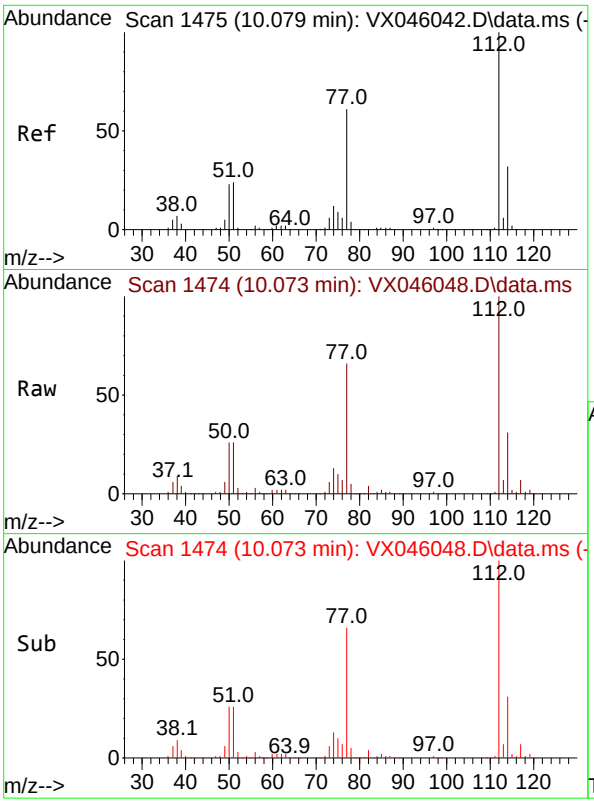


#64
Tetrachloroethene
Concen: 46.795 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:164 Resp: 48034

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





#65
Chlorobenzene
Concen: 48.699 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:112 Resp: 15464

Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.4	38.2

Instrument :
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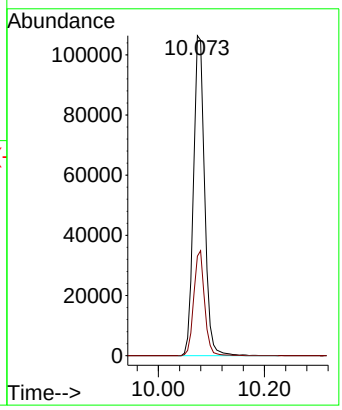
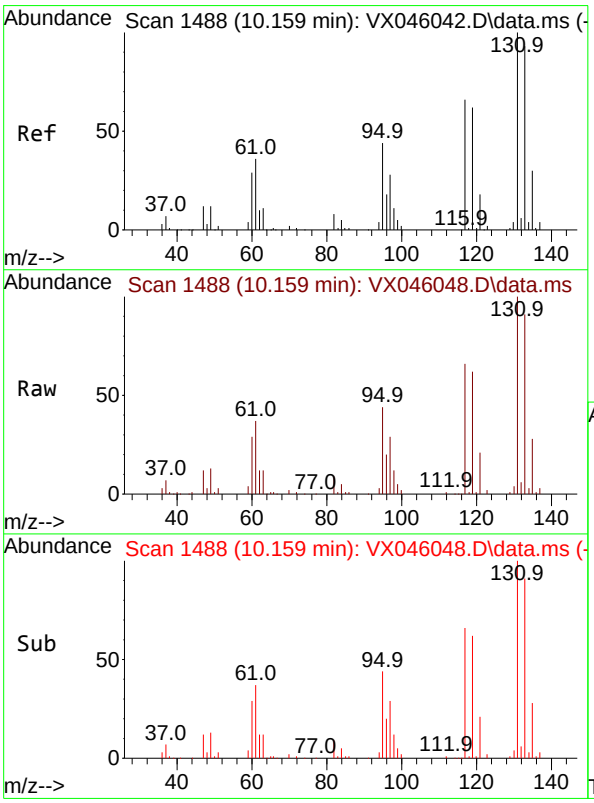
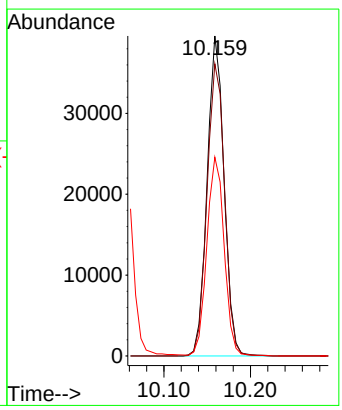


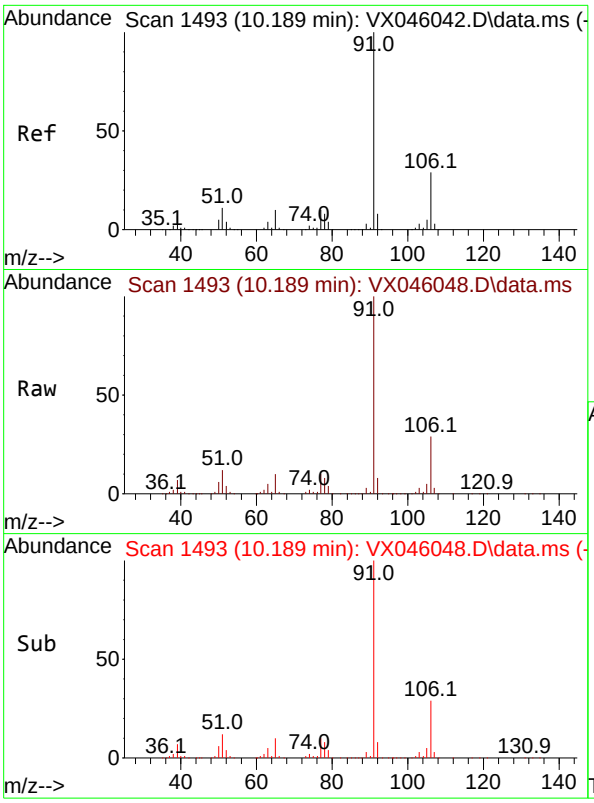


#66
1,1,1,2-Tetrachloroethane
Concen: 49.557 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:131 Resp: 53735

Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.3	141.9
119	63.7	31.6	95.0

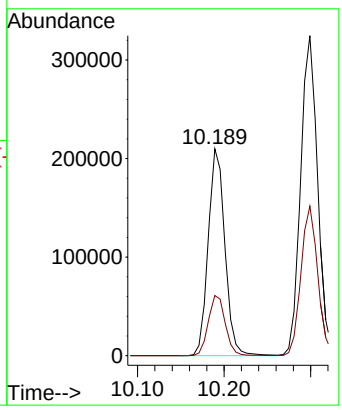




#67
Ethyl Benzene
Concen: 50.245 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 91 Resp: 28123

Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.4	35.2



Instrument :
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ClientSampleId :
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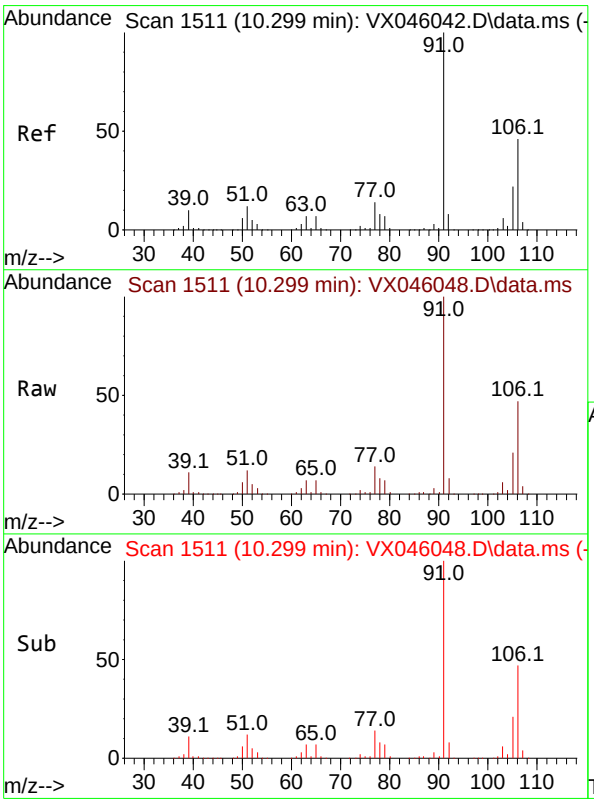
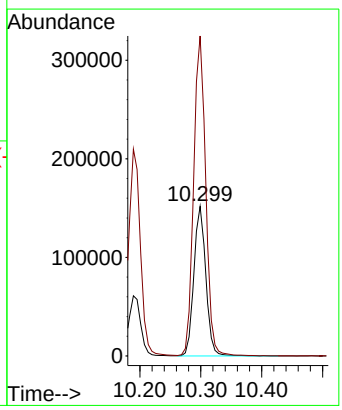
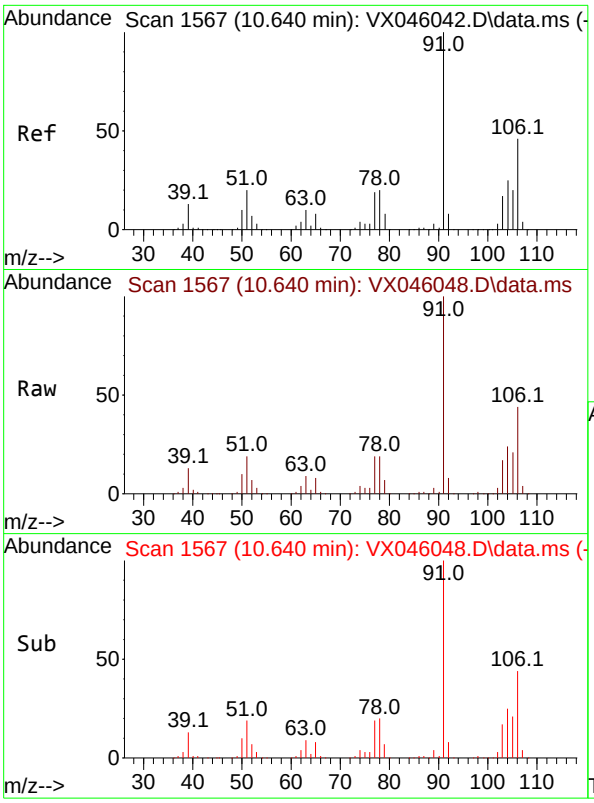


#68
m/p-Xylenes
Concen: 101.022 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:106 Resp: 206813

Ion	Ratio	Lower	Upper
106	100		
91	215.6	171.2	256.8





#69
o-Xylene
Concen: 50.841 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

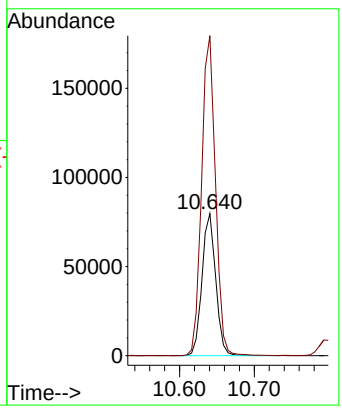
Tgt Ion:106 Resp: 10146

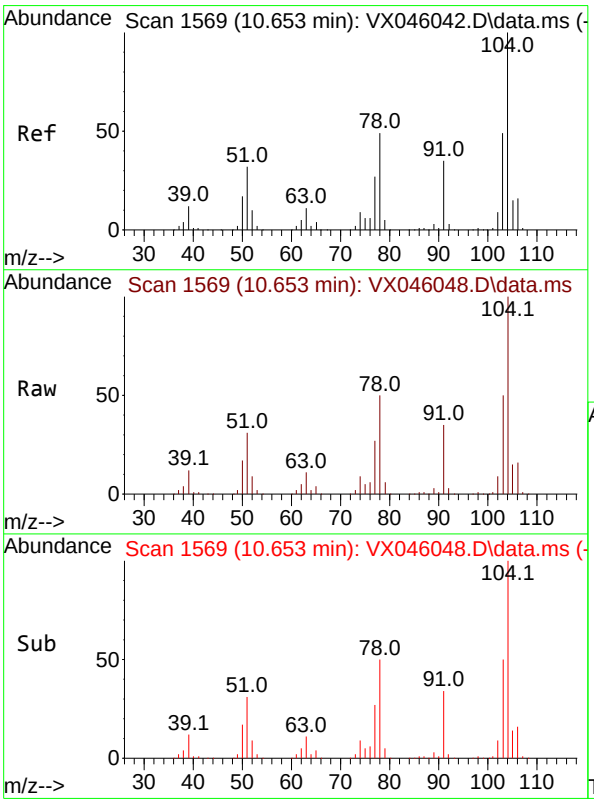
Ion	Ratio	Lower	Upper
106	100		
91	227.7	112.7	338.1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

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

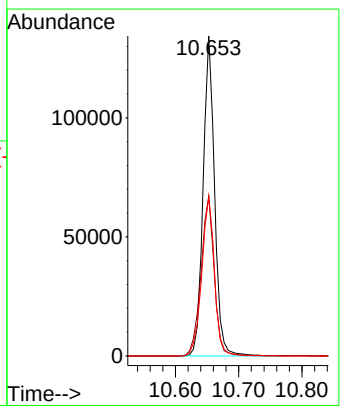


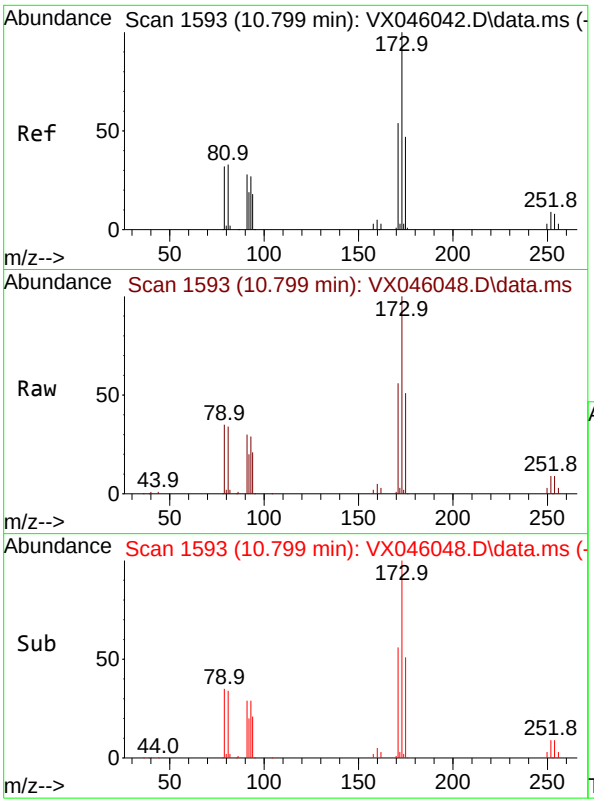


#70
Styrene
Concen: 51.907 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:104 Resp: 169703

Ion	Ratio	Lower	Upper
104	100		
78	57.6	45.7	68.5
103	55.5	43.7	65.5

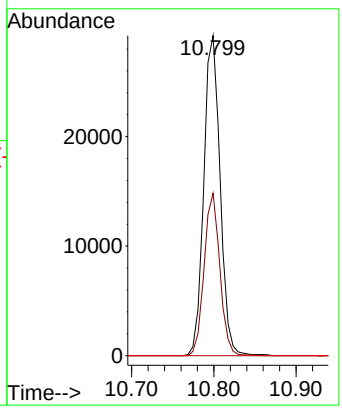




#71
Bromoform
Concen: 49.583 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:173 Resp: 4036

Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.4	70.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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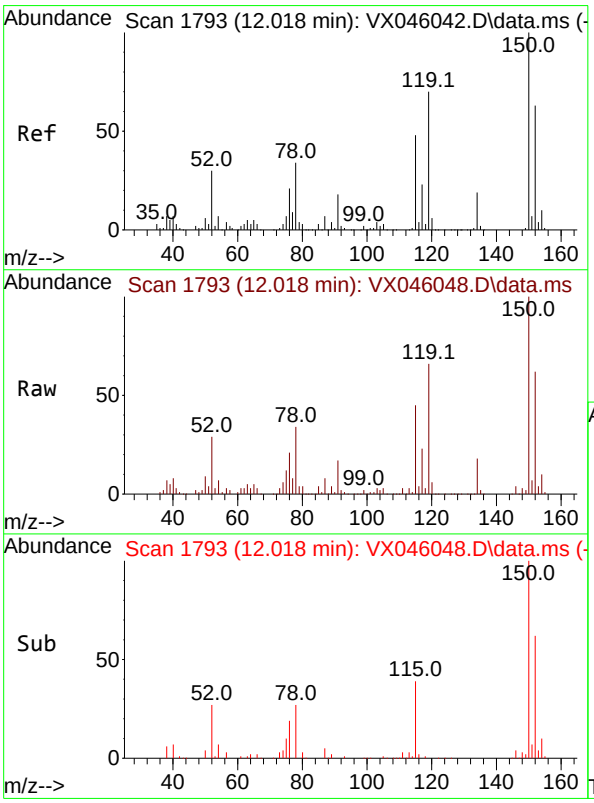
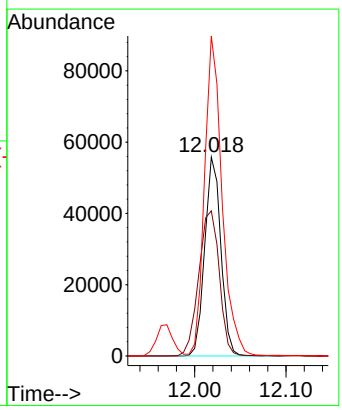
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

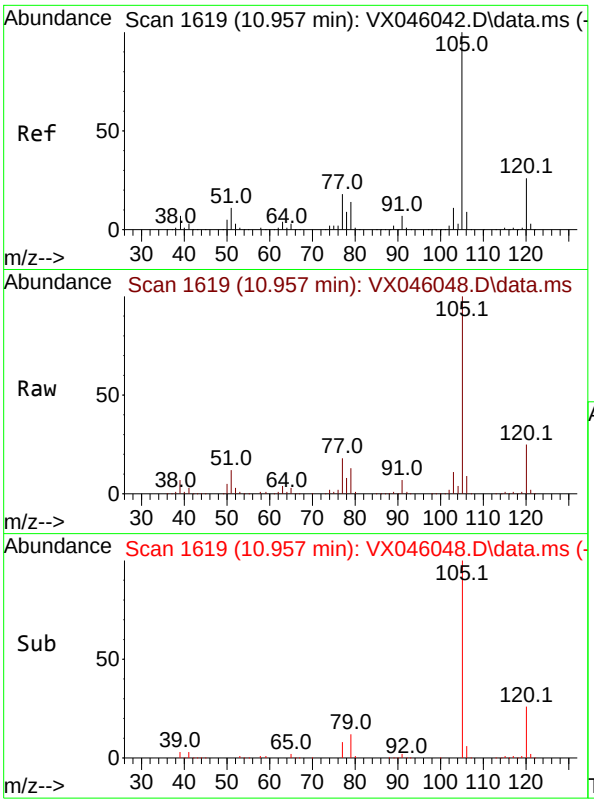


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:152 Resp: 68229

Ion	Ratio	Lower	Upper
152	100		
115	93.3	46.9	140.7
150	175.3	0.0	351.0





#73
Isopropylbenzene
Concen: 50.733 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

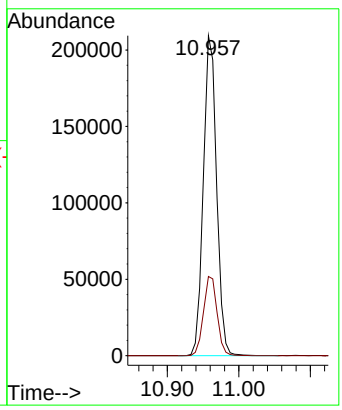
Tgt Ion:105 Resp: 26948

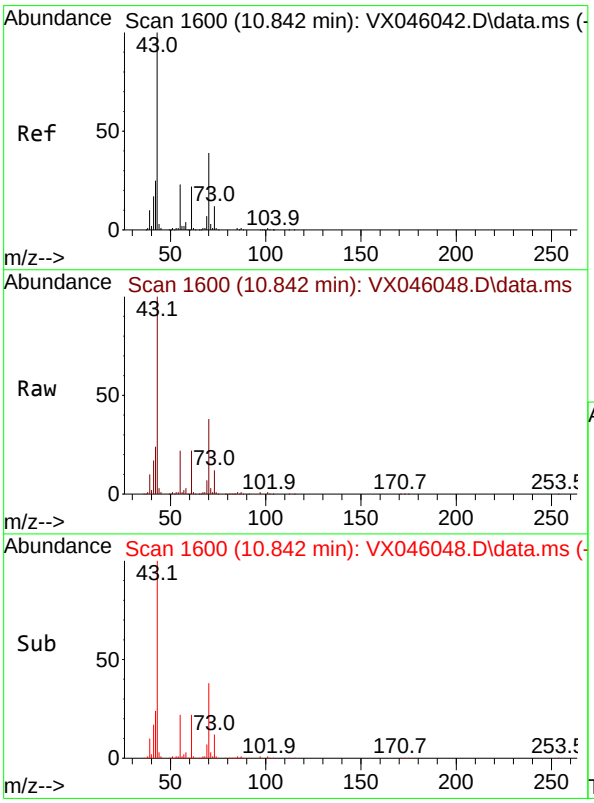
Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

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

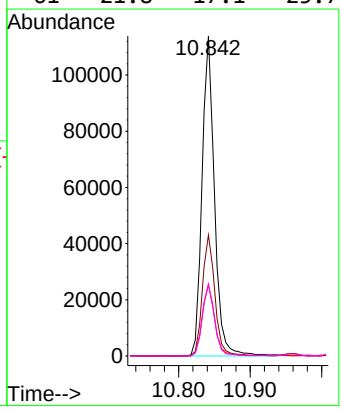


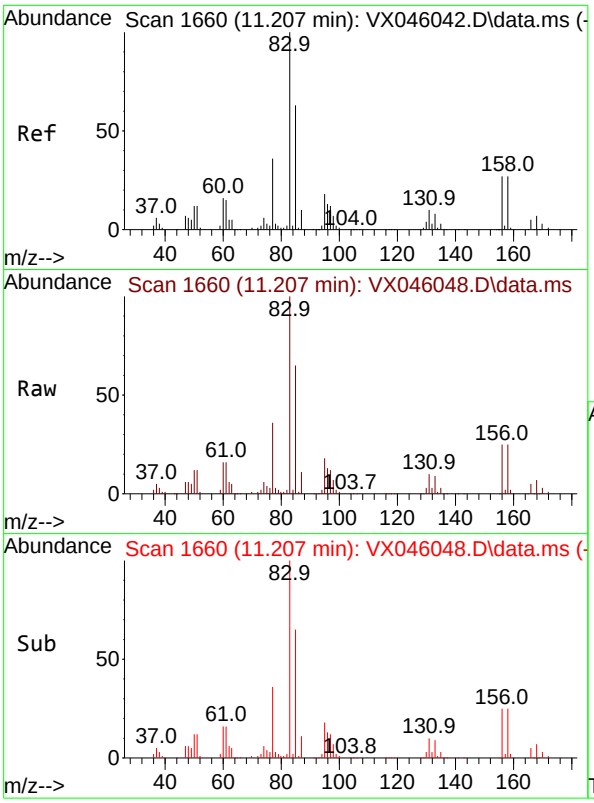


#74
N-amyl acetate
Concen: 52.407 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 137559

Ion	Ratio	Lower	Upper
43	100		
70	37.9	30.9	46.3
55	22.7	18.7	28.1
61	21.8	17.1	25.7

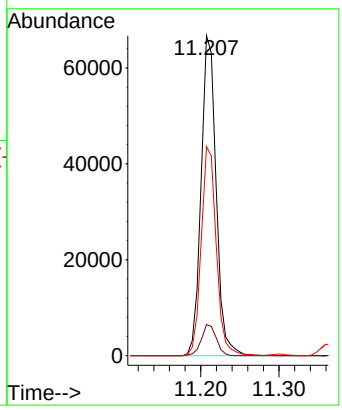




#75
1,1,2,2-Tetrachloroethane
Concen: 47.827 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 83 Resp: 8902

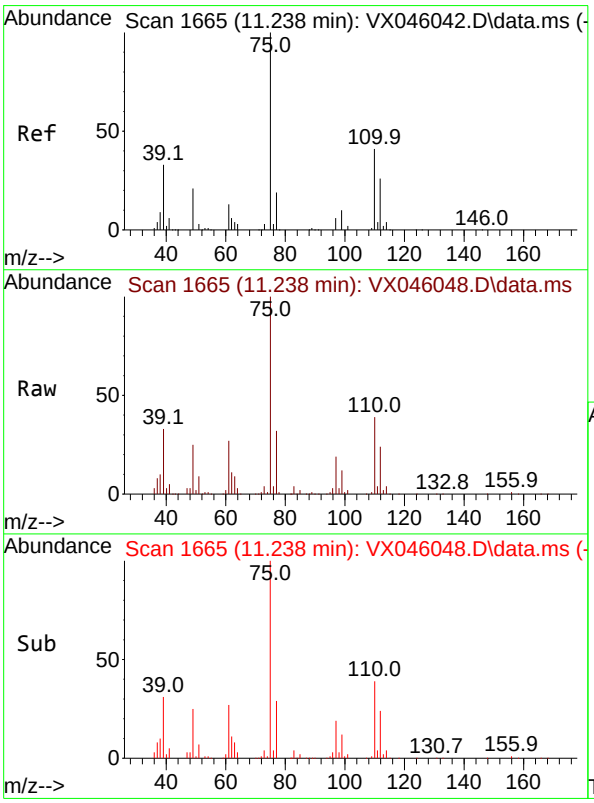
Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	65.5	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

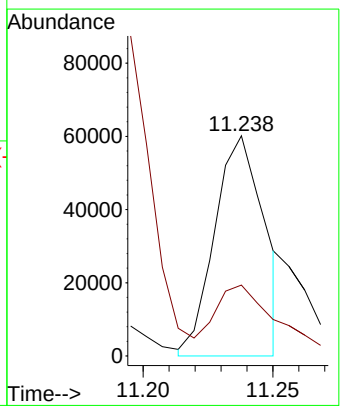
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

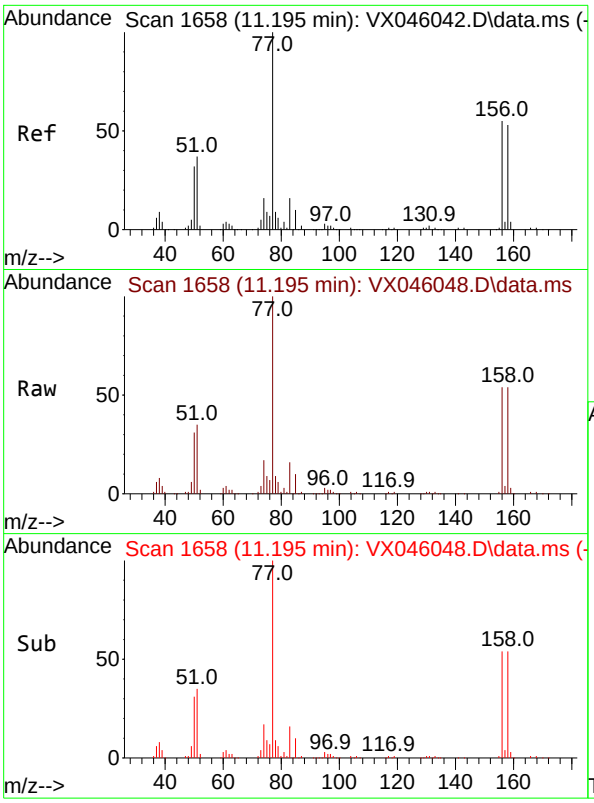


#76
1,2,3-Trichloropropane
Concen: 48.568 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 75 Resp: 79763

Ion	Ratio	Lower	Upper
75	100		
77	40.8	20.5	61.5

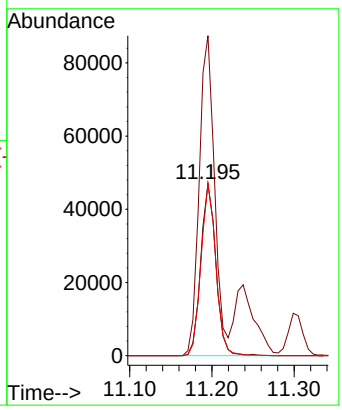




#77
Bromobenzene
Concen: 48.549 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:156 Resp: 5987

Ion	Ratio	Lower	Upper
156	100		
77	189.0	92.8	278.3
158	98.9	48.8	146.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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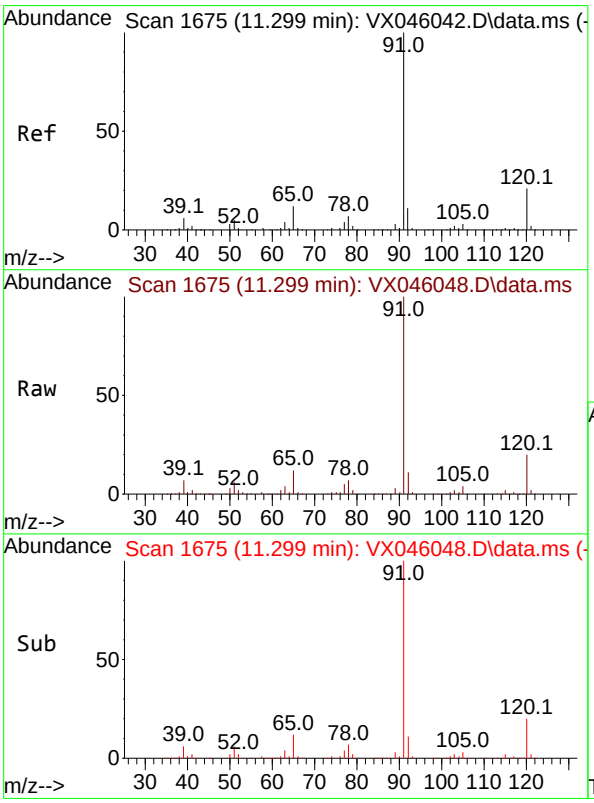
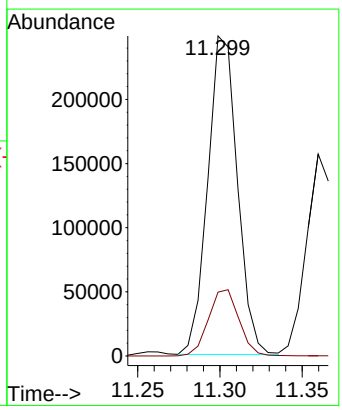
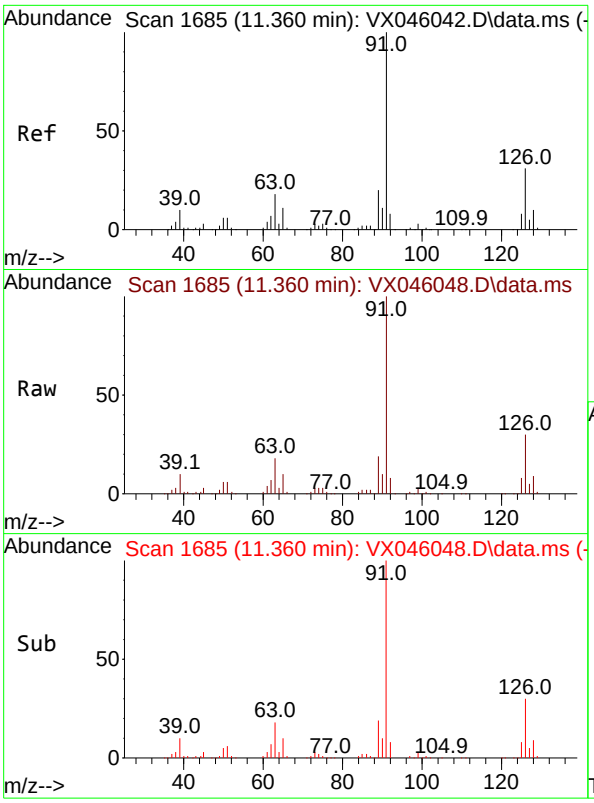


#78
n-propylbenzene
Concen: 50.562 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 91 Resp: 312285

Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.8	32.4

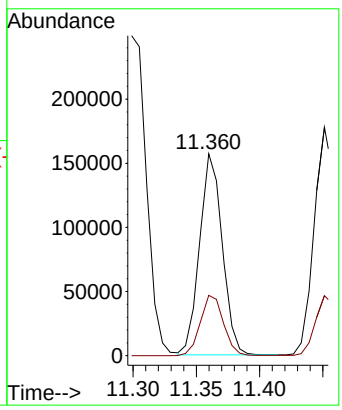




#79
2-Chlorotoluene
Concen: 49.107 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 91 Resp: 19563

Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.6	46.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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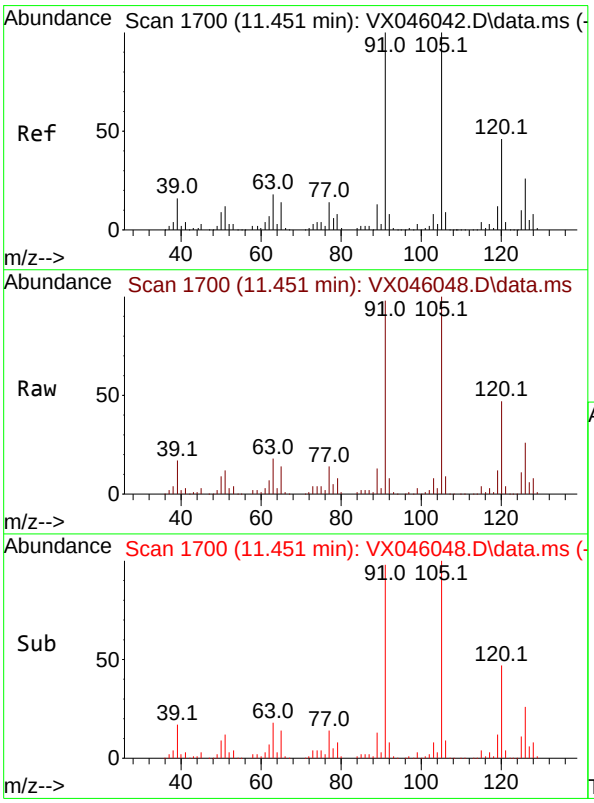
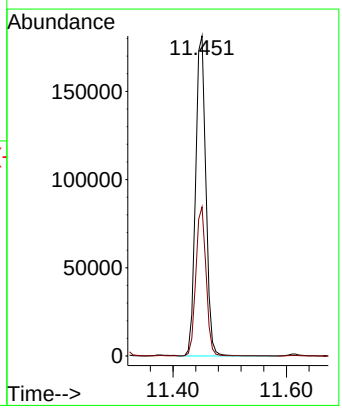
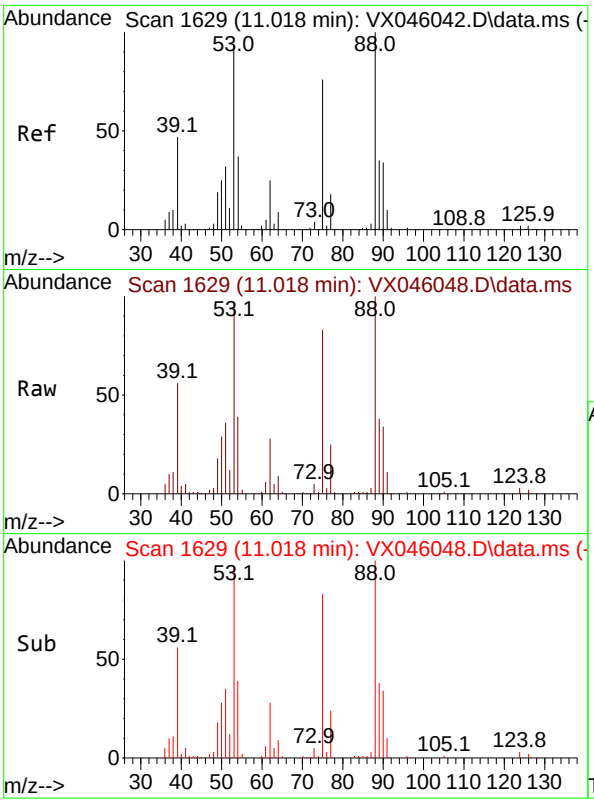


#80
1,3,5-Trimethylbenzene
Concen: 51.500 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:105 Resp: 228538

Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.1	69.2





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

Tgt Ion: 75 Resp: 2485

Ion	Ratio	Lower	Upper
75	100		
53	122.3	100.5	150.7
89	46.2	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

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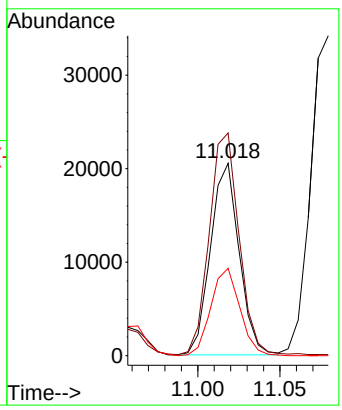
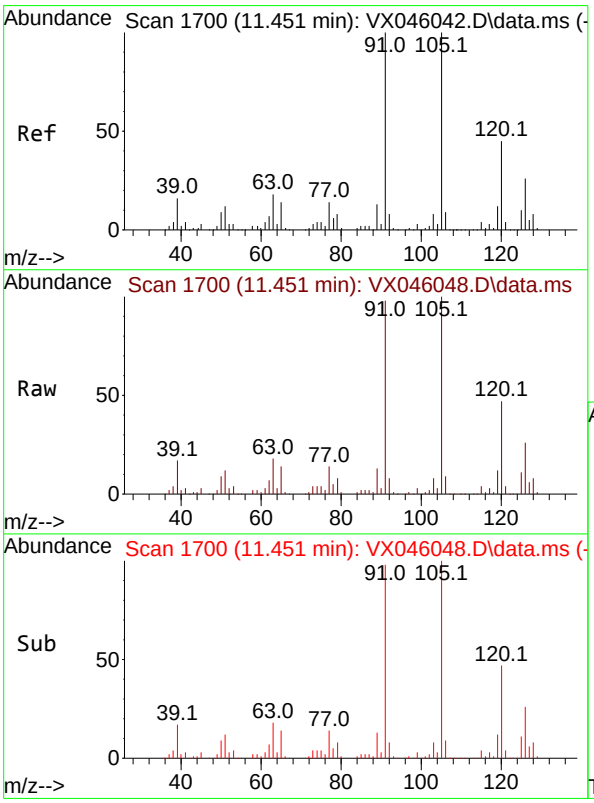
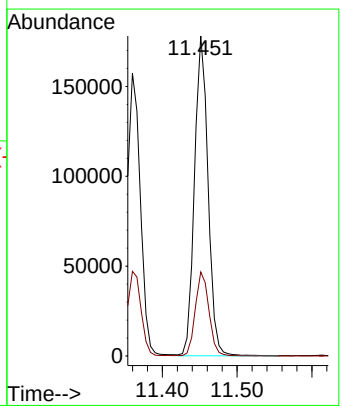


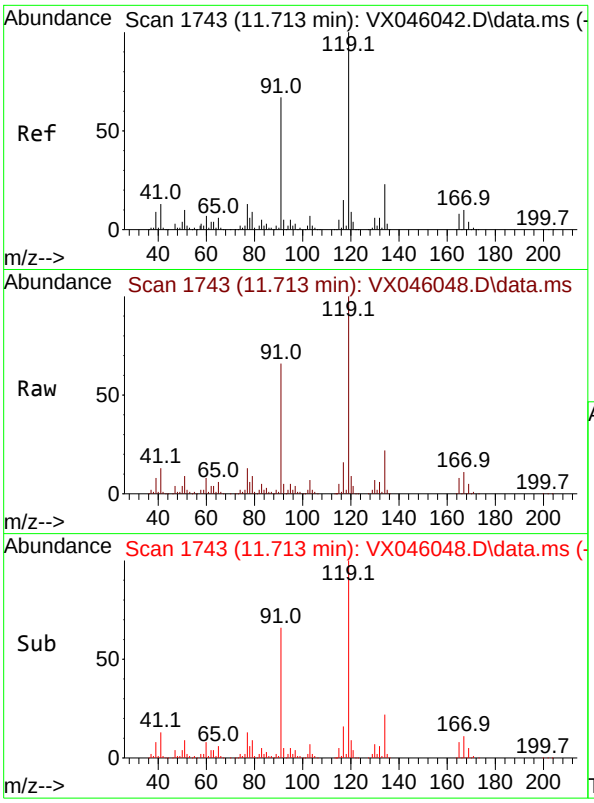


#82
4-Chlorotoluene
Concen: 50.661 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 91 Resp: 223811

Ion	Ratio	Lower	Upper
91	100		
126	26.5	13.3	39.8

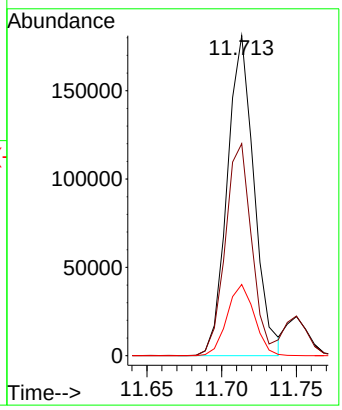




#83
tert-Butylbenzene
Concen: 50.511 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:119 Resp: 22578

Ion	Ratio	Lower	Upper
119	100		
91	64.9	32.9	98.7
134	22.6	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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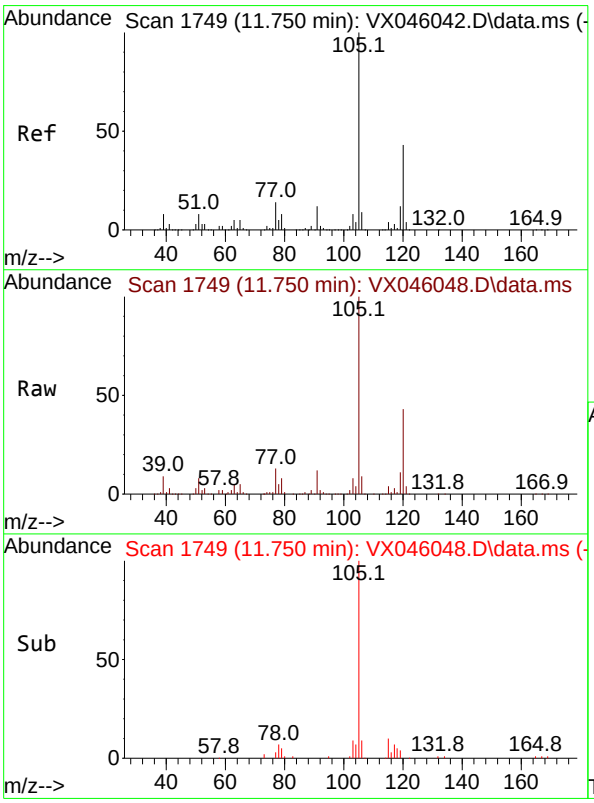
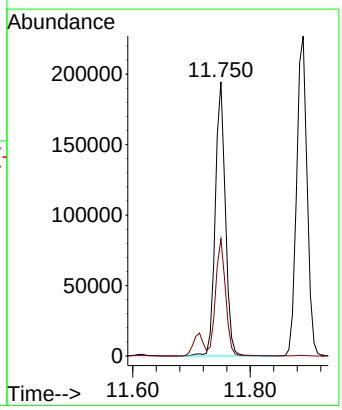
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

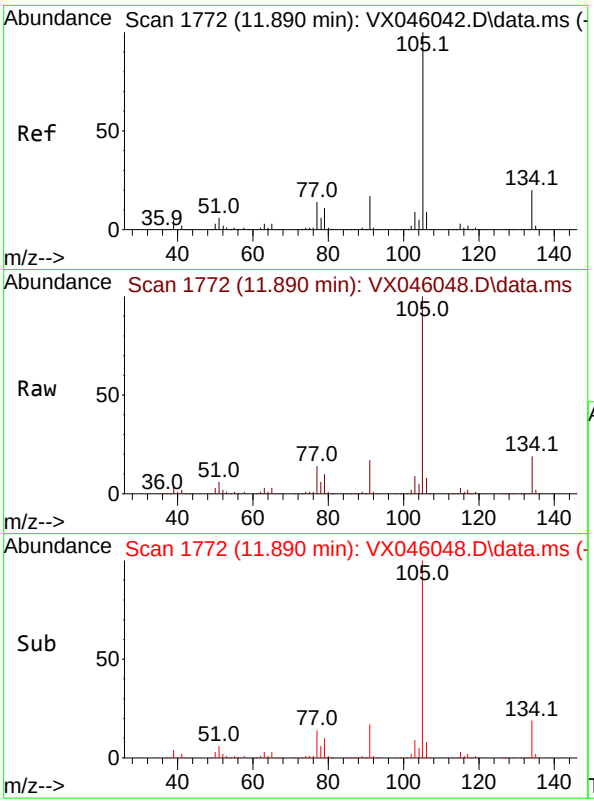


#84
1,2,4-Trimethylbenzene
Concen: 51.485 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:105 Resp: 231371

Ion	Ratio	Lower	Upper
105	100		
120	42.3	21.2	63.6





#85
sec-Butylbenzene
Concen: 51.122 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:105 Resp: 28057

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
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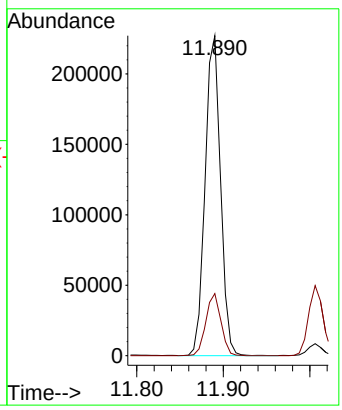
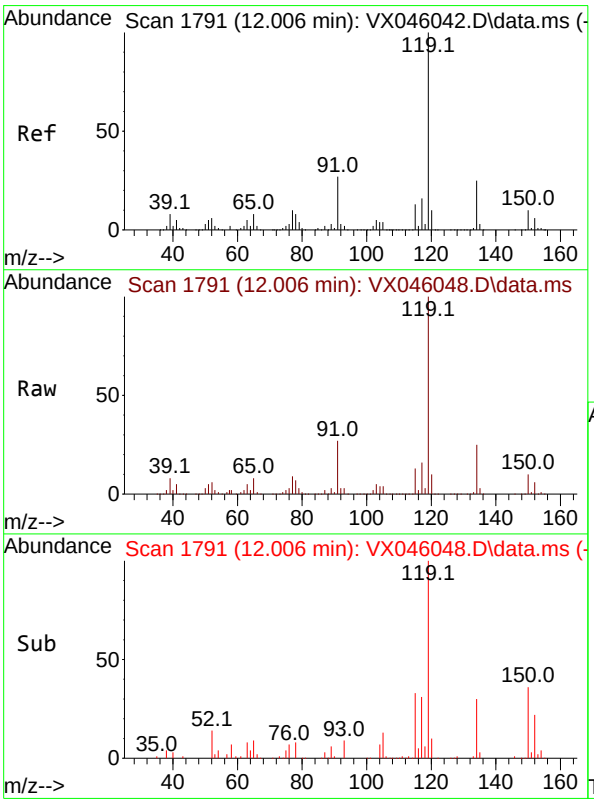
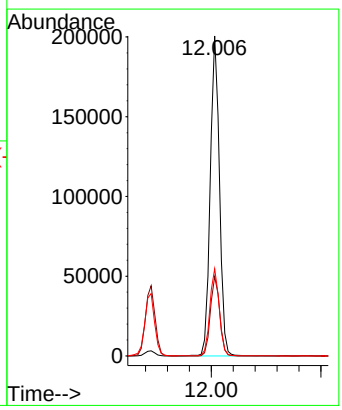


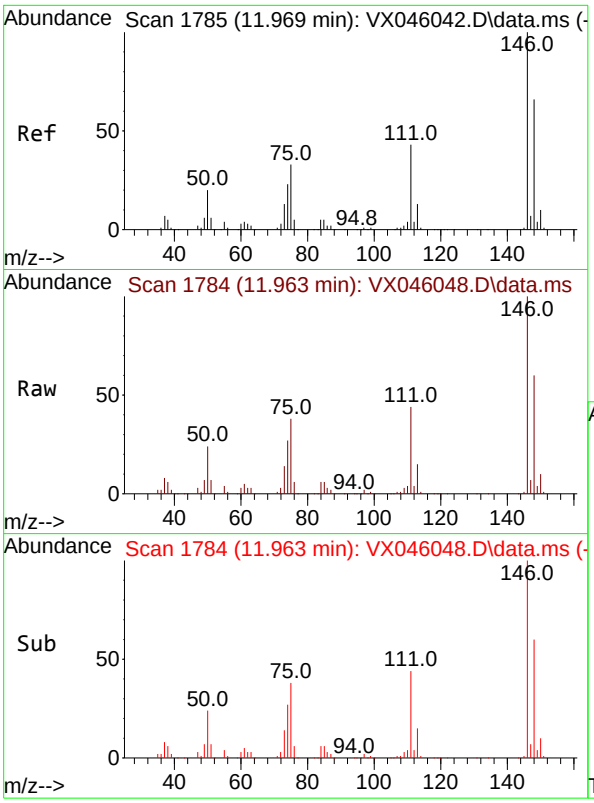


#86
p-Isopropyltoluene
Concen: 51.198 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:119 Resp: 231942

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.5	37.5
91	27.5	13.8	41.4

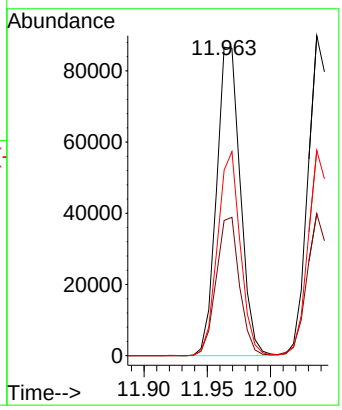




#87
1,3-Dichlorobenzene
Concen: 50.272 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:146 Resp: 11314

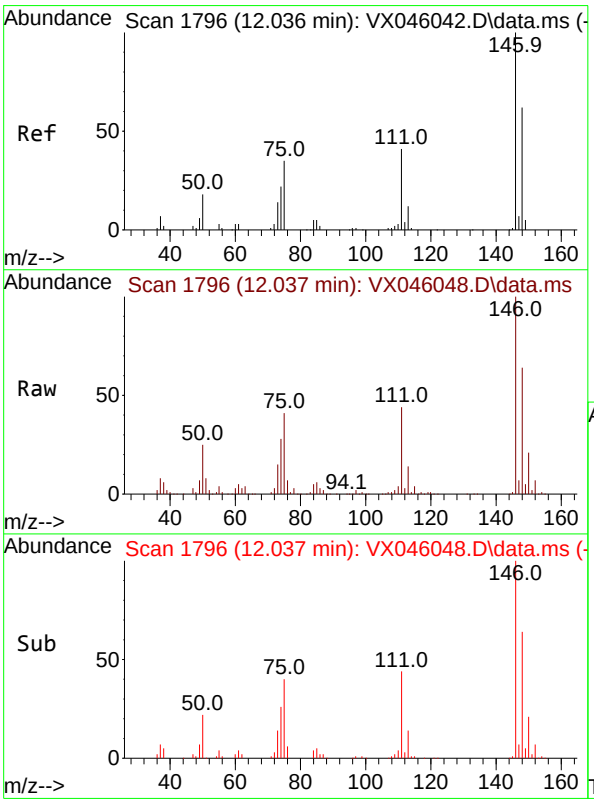
Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.1	66.3
148	63.5	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

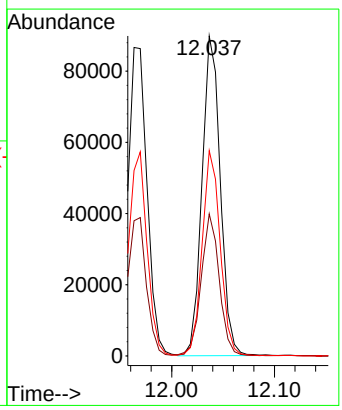
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

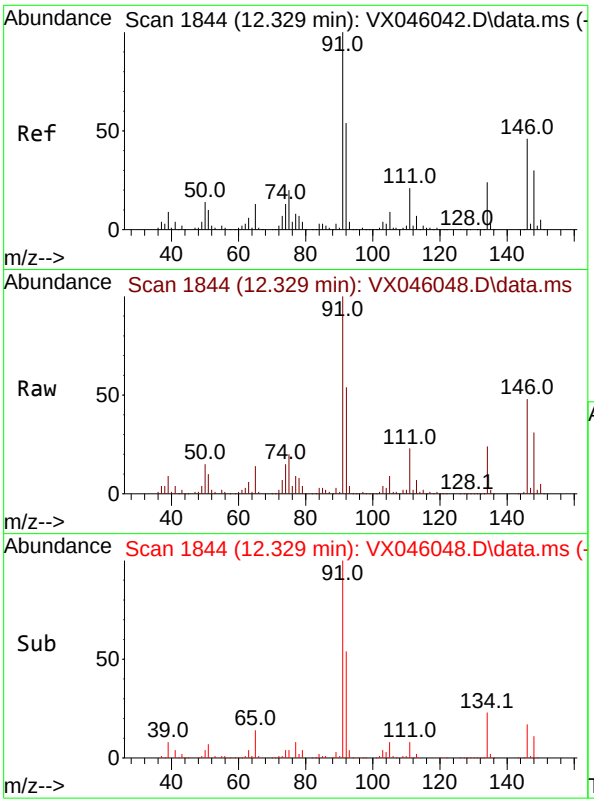


#88
1,4-Dichlorobenzene
Concen: 48.368 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:146 Resp: 111173

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.3	63.9
148	63.3	31.9	95.5





#89
n-Butylbenzene
Concen: 51.804 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

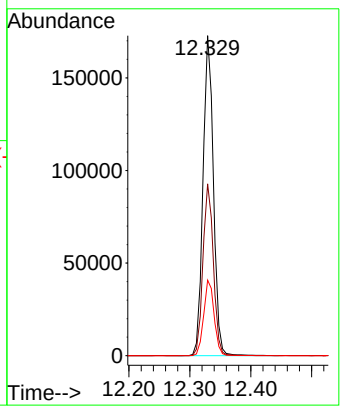
Tgt Ion: 91 Resp: 20585

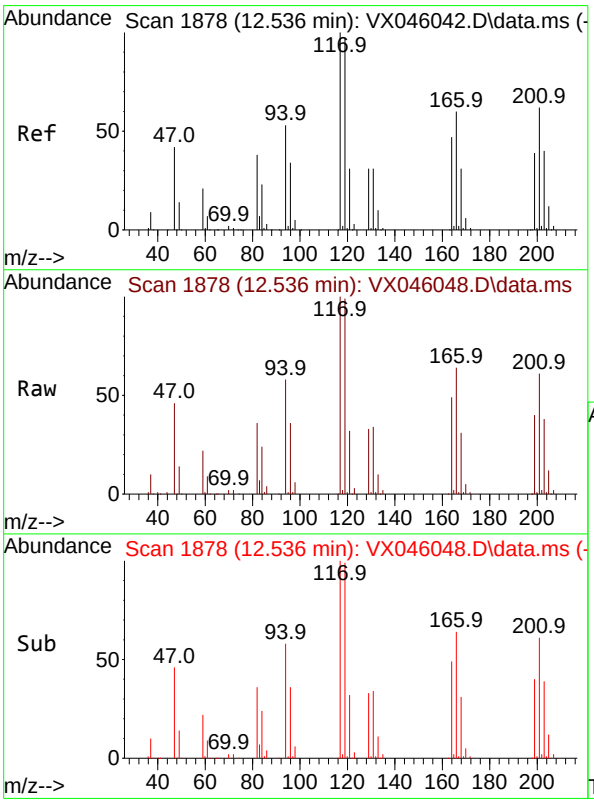
Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.9	80.7
134	23.7	11.8	35.3

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

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

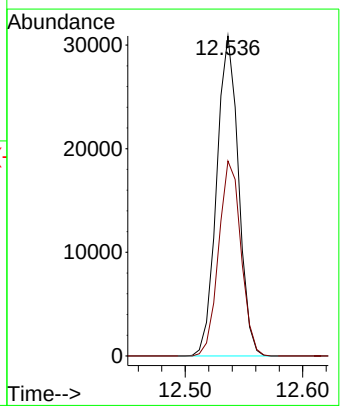


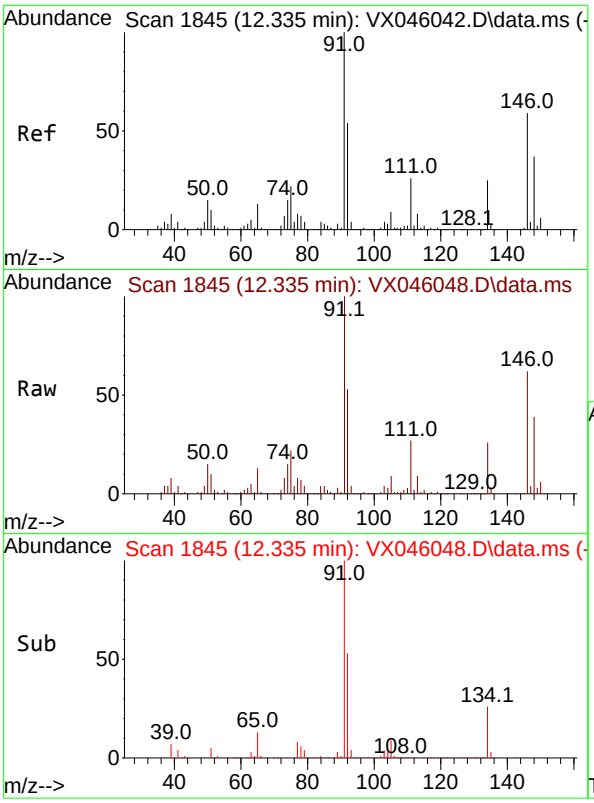


#90
Hexachloroethane
Concen: 49.895 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:117 Resp: 39823

Ion	Ratio	Lower	Upper
117	100		
201	62.4	31.6	94.7

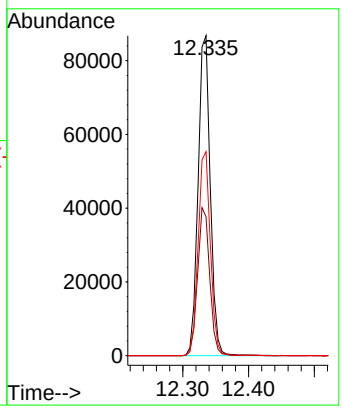




#91
1,2-Dichlorobenzene
Concen: 49.361 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:146 Resp: 11148

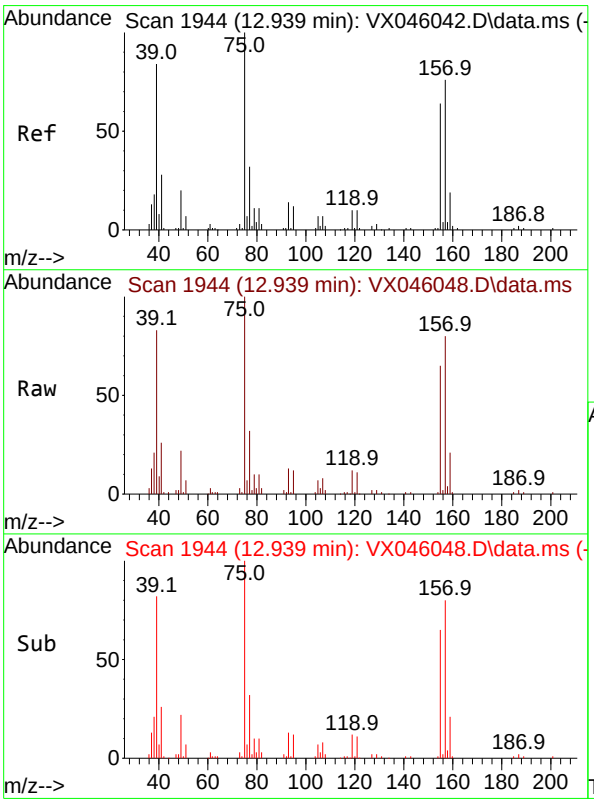
Ion	Ratio	Lower	Upper
146	100		
111	45.8	22.4	67.3
148	64.2	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

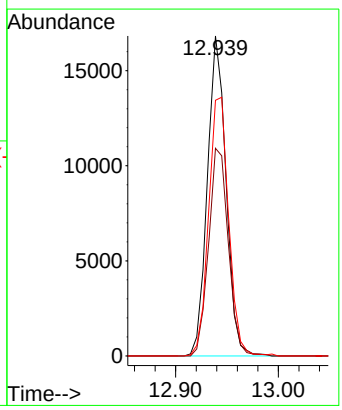
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

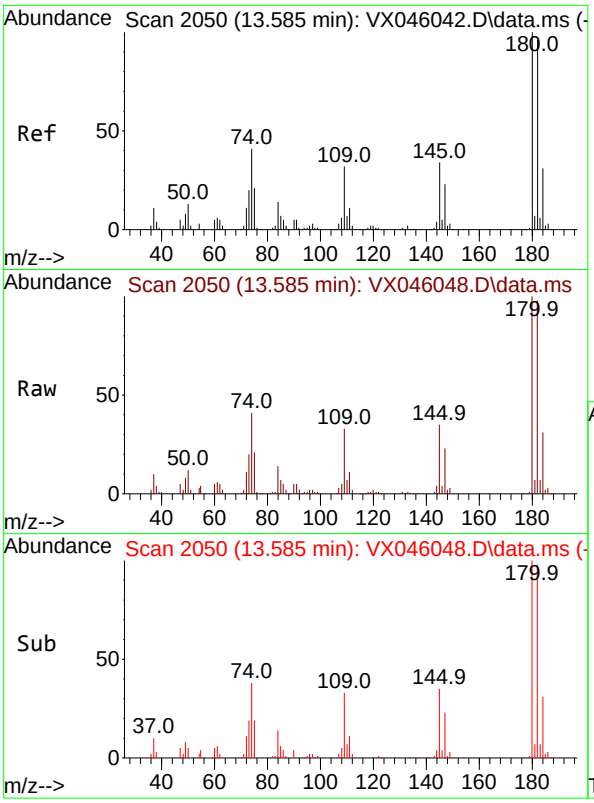


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.458 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 75 Resp: 21220

Ion	Ratio	Lower	Upper
75	100		
155	68.6	34.9	104.8
157	86.7	43.8	131.4

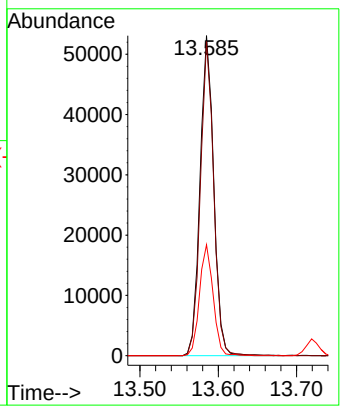




#93
1,2,4-Trichlorobenzene
Concen: 49.662 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:180 Resp: 6442

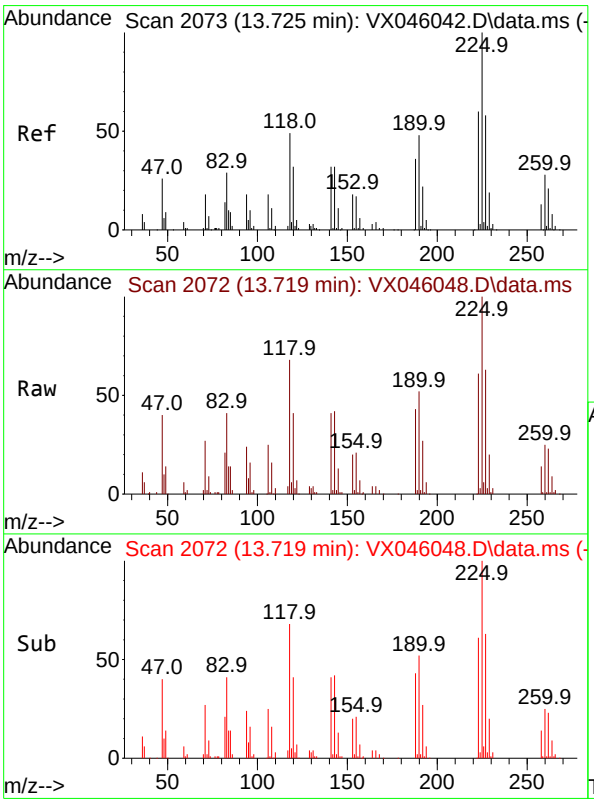
Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.8
145	34.4	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

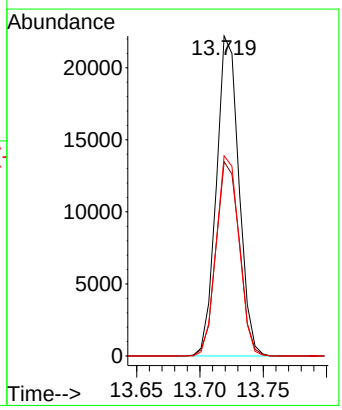
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

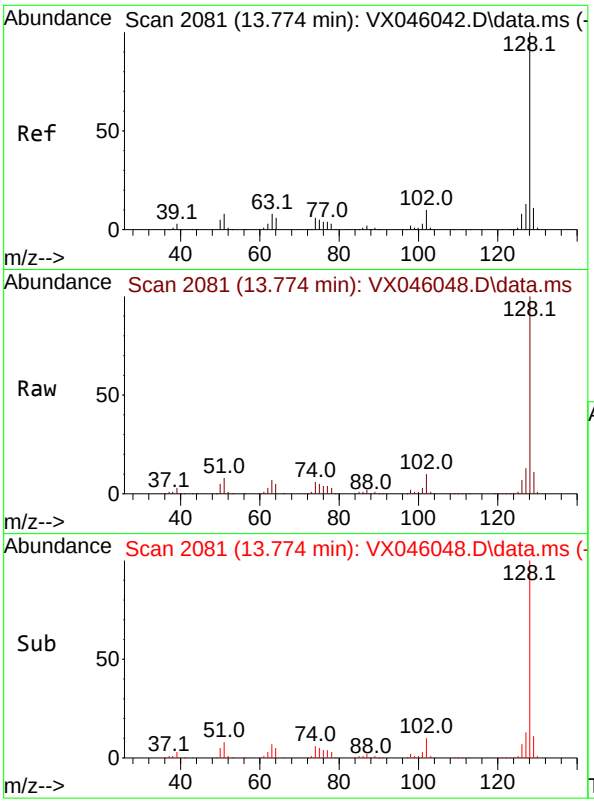


#94
Hexachlorobutadiene
Concen: 48.408 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:225 Resp: 27425

Ion	Ratio	Lower	Upper
225	100		
223	63.1	30.8	92.4
227	63.7	30.9	92.7

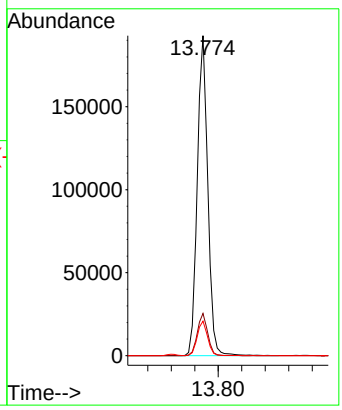




#95
Naphthalene
Concen: 50.404 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:128 Resp: 23980

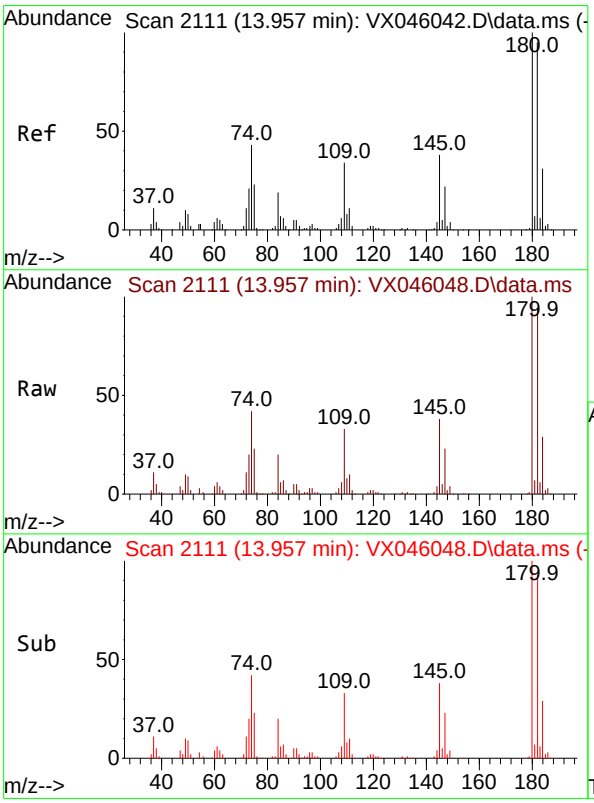
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.7	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

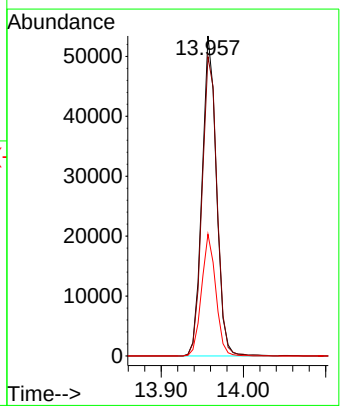
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 48.525 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:180 Resp: 64950

Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.8	143.3
145	37.5	18.1	54.3



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	95	0.00
2	T	Dichlorodifluoromethane	0.765	0.851	-11.2	94	0.00
3	P	Chloromethane	0.742	0.781	-5.3	96	0.00
4	C	Vinyl Chloride	0.691	0.713	-3.2#	96	0.00
5	T	Bromomethane	0.320	0.324	-1.3	95	0.00
6	T	Chloroethane	0.369	0.385	-4.3	97	0.00
7	T	Trichlorofluoromethane	1.021	1.073	-5.1	96	0.00
8	T	Diethyl Ether	0.347	0.344	0.9	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.632	0.642	-1.6	96	0.00
10	T	Methyl Iodide	0.747	0.799	-7.0	94	0.00
11	T	Tert butyl alcohol	0.131	0.132	-0.8	98	0.00
12	CM	1,1-Dichloroethene	0.593	0.606	-2.2#	96	0.00
13	T	Acrolein	0.149	0.139	6.7	87	0.00
14	T	Allyl chloride	1.133	1.175	-3.7	95	0.00
15	T	Acrylonitrile	0.374	0.393	-5.1	97	0.00
16	T	Acetone	0.374	0.367	1.9	97	0.00
17	T	Carbon Disulfide	1.406	1.433	-1.9	94	0.00
18	T	Methyl Acetate	0.867	0.867	0.0	97	0.00
19	T	Methyl tert-butyl Ether	2.079	2.111	-1.5	93	0.00
20	T	Methylene Chloride	0.716	0.684	4.5	95	0.00
21	T	trans-1,2-Dichloroethene	0.596	0.602	-1.0	94	0.00
22	T	Diisopropyl ether	2.189	2.268	-3.6	95	0.00
23	T	Vinyl Acetate	1.925	2.045	-6.2	95	0.00
24	P	1,1-Dichloroethane	1.219	1.239	-1.6	94	0.00
25	T	2-Butanone	0.543	0.558	-2.8	96	0.00
26	T	2,2-Dichloropropane	0.954	0.953	0.1	95	0.00
27	T	cis-1,2-Dichloroethene	0.718	0.731	-1.8	95	0.00
28	T	Bromochloromethane	0.587	0.598	-1.9	99	0.00
29	T	Tetrahydrofuran	0.340	0.354	-4.1	96	0.00
30	C	Chloroform	1.271	1.305	-2.7#	96	0.00
31	T	Cyclohexane	1.111	1.114	-0.3	94	0.00
32	T	1,1,1-Trichloroethane	1.101	1.126	-2.3	95	0.00
33	S	1,2-Dichloroethane-d4	0.932	0.904	3.0	95	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
35	S	Dibromofluoromethane	0.360	0.358	0.6	98	0.00
36	T	1,1-Dichloropropene	0.484	0.479	1.0	94	0.00
37	T	Ethyl Acetate	0.598	0.606	-1.3	96	0.00
38	T	Carbon Tetrachloride	0.544	0.542	0.4	94	0.00
39	T	Methylcyclohexane	0.623	0.620	0.5	94	0.00
40	TM	Benzene	1.417	1.439	-1.6	95	0.00
41	T	Methacrylonitrile	0.313	0.344	-9.9	96	0.00
42	TM	1,2-Dichloroethane	0.612	0.622	-1.6	96	0.00
43	T	Isopropyl Acetate	0.912	0.952	-4.4	96	0.00
44	TM	Trichloroethene	0.341	0.341	0.0	93	0.00
45	C	1,2-Dichloropropane	0.352	0.366	-4.0#	96	0.00
46	T	Dibromomethane	0.278	0.278	0.0	94	0.00
47	T	Bromodichloromethane	0.547	0.568	-3.8	95	0.00
48	T	Methyl methacrylate	0.466	0.505	-8.4	97	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.009	0.009	0.0	100	0.00
50	S	Toluene-d8	1.246	1.221	2.0	97	0.00
51	T	4-Methyl-2-Pentanone	0.605	0.627	-3.6	96	0.00
52	CM	Toluene	0.869	0.889	-2.3#	96	0.00
53	T	t-1,3-Dichloropropene	0.487	0.515	-5.7	94	0.00
54	T	cis-1,3-Dichloropropene	0.538	0.569	-5.8	95	0.00
55	T	1,1,2-Trichloroethane	0.343	0.349	-1.7	95	0.00
56	T	Ethyl methacrylate	0.546	0.589	-7.9	96	0.00
57	T	1,3-Dichloropropane	0.615	0.613	0.3	95	0.00
58	T	2-Chloroethyl Vinyl ether	0.278	0.296	-6.5	93	0.00
59	T	2-Hexanone	0.448	0.480	-7.1	98	0.00
60	T	Dibromochloromethane	0.376	0.392	-4.3	95	0.00
61	T	1,2-Dibromoethane	0.356	0.364	-2.2	94	0.00
62	S	4-Bromofluorobenzene	0.478	0.465	2.7	96	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
64	T	Tetrachloroethene	0.354	0.331	6.5	88	0.00
65	PM	Chlorobenzene	1.094	1.066	2.6	96	0.00
66	T	1,1,1,2-Tetrachloroethane	0.374	0.370	1.1	94	0.00
67	C	Ethyl Benzene	1.929	1.939	-0.5#	95	0.00
68	T	m/p-Xylenes	0.706	0.713	-1.0	95	0.00
69	T	o-Xylene	0.688	0.699	-1.6	95	0.00
70	T	Styrene	1.127	1.170	-3.8	95	0.00
71	P	Bromoform	0.281	0.278	1.1	91	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73	T	Isopropylbenzene	3.893	3.950	-1.5	96	0.00
74	T	N-amyl acetate	1.924	2.016	-4.8	98	0.00
75	P	1,1,2,2-Tetrachloroethane	1.364	1.305	4.3	98	0.00
76	T	1,2,3-Trichloropropane	1.204	1.169	2.9	99	0.00
77	T	Bromobenzene	0.904	0.878	2.9	95	0.00
78	T	n-propylbenzene	4.526	4.577	-1.1	95	0.00
79	T	2-Chlorotoluene	2.919	2.867	1.8	96	0.00
80	T	1,3,5-Trimethylbenzene	3.252	3.350	-3.0	96	0.00
81	T	trans-1,4-Dichloro-2-butene	0.370	0.364	1.6	95	0.00
82	T	4-Chlorotoluene	3.238	3.280	-1.3	96	0.00
83	T	tert-Butylbenzene	3.276	3.309	-1.0	97	0.00
84	T	1,2,4-Trimethylbenzene	3.293	3.391	-3.0	97	0.00
85	T	sec-Butylbenzene	4.022	4.112	-2.2	96	0.00
86	T	p-Isopropyltoluene	3.320	3.399	-2.4	96	0.00
87	T	1,3-Dichlorobenzene	1.649	1.658	-0.5	98	0.00
88	T	1,4-Dichlorobenzene	1.684	1.629	3.3	97	0.00
89	T	n-Butylbenzene	2.912	3.017	-3.6	96	0.00
90	T	Hexachloroethane	0.585	0.584	0.2	94	0.00
91	T	1,2-Dichlorobenzene	1.655	1.634	1.3	97	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.302	0.311	-3.0	97	0.00
93	T	1,2,4-Trichlorobenzene	0.951	0.944	0.7	97	0.00
94	T	Hexachlorobutadiene	0.415	0.402	3.1	95	0.00
95	T	Naphthalene	3.487	3.515	-0.8	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.981	0.952	3.0	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	95	0.00
2	T	Dichlorodifluoromethane	50.000	55.594	-11.2	94	0.00
3	P	Chloromethane	50.000	52.592	-5.2	96	0.00
4	C	Vinyl Chloride	50.000	51.598	-3.2#	96	0.00
5	T	Bromomethane	50.000	50.627	-1.3	95	0.00
6	T	Chloroethane	50.000	52.271	-4.5	97	0.00
7	T	Trichlorofluoromethane	50.000	52.560	-5.1	96	0.00
8	T	Diethyl Ether	50.000	49.536	0.9	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.822	-1.6	96	0.00
10	T	Methyl Iodide	50.000	53.419	-6.8	94	0.00
11	T	Tert butyl alcohol	250.000	252.025	-0.8	98	0.00
12	CM	1,1-Dichloroethene	50.000	51.097	-2.2#	96	0.00
13	T	Acrolein	250.000	232.505	7.0	87	0.00
14	T	Allyl chloride	50.000	51.833	-3.7	95	0.00
15	T	Acrylonitrile	250.000	262.412	-5.0	97	0.00
16	T	Acetone	250.000	245.518	1.8	97	0.00
17	T	Carbon Disulfide	50.000	50.981	-2.0	94	0.00
18	T	Methyl Acetate	50.000	49.968	0.1	97	0.00
19	T	Methyl tert-butyl Ether	50.000	50.777	-1.6	93	0.00
20	T	Methylene Chloride	50.000	47.779	4.4	95	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.513	-1.0	94	0.00
22	T	Diisopropyl ether	50.000	51.800	-3.6	95	0.00
23	T	Vinyl Acetate	250.000	265.585	-6.2	95	0.00
24	P	1,1-Dichloroethane	50.000	50.825	-1.7	94	0.00
25	T	2-Butanone	250.000	257.110	-2.8	96	0.00
26	T	2,2-Dichloropropane	50.000	49.934	0.1	95	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.956	-1.9	95	0.00
28	T	Bromochloromethane	50.000	50.975	-2.0	99	0.00
29	T	Tetrahydrofuran	250.000	259.958	-4.0	96	0.00
30	C	Chloroform	50.000	51.332	-2.7#	96	0.00
31	T	Cyclohexane	50.000	50.147	-0.3	94	0.00
32	T	1,1,1-Trichloroethane	50.000	51.108	-2.2	95	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.509	3.0	95	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	97	0.00
35	S	Dibromofluoromethane	50.000	49.683	0.6	98	0.00
36	T	1,1-Dichloropropene	50.000	49.521	1.0	94	0.00
37	T	Ethyl Acetate	50.000	50.714	-1.4	96	0.00
38	T	Carbon Tetrachloride	50.000	49.825	0.3	94	0.00
39	T	Methylcyclohexane	50.000	49.757	0.5	94	0.00
40	TM	Benzene	50.000	50.759	-1.5	95	0.00
41	T	Methacrylonitrile	50.000	55.076	-10.2	96	0.00
42	TM	1,2-Dichloroethane	50.000	50.861	-1.7	96	0.00
43	T	Isopropyl Acetate	50.000	52.195	-4.4	96	0.00
44	TM	Trichloroethene	50.000	50.018	-0.0	93	0.00
45	C	1,2-Dichloropropane	50.000	51.983	-4.0#	96	0.00
46	T	Dibromomethane	50.000	49.978	0.0	94	0.00
47	T	Bromodichloromethane	50.000	51.889	-3.8	95	0.00
48	T	Methyl methacrylate	50.000	54.226	-8.5	97	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1059.599	-6.0	100	0.00
50	S	Toluene-d8	50.000	48.984	2.0	97	0.00
51	T	4-Methyl-2-Pentanone	250.000	259.133	-3.7	96	0.00
52	CM	Toluene	50.000	51.150	-2.3#	96	0.00
53	T	t-1,3-Dichloropropene	50.000	52.920	-5.8	94	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.892	-5.8	95	0.00
55	T	1,1,2-Trichloroethane	50.000	50.887	-1.8	95	0.00
56	T	Ethyl methacrylate	50.000	53.918	-7.8	96	0.00
57	T	1,3-Dichloropropane	50.000	49.793	0.4	95	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	265.780	-6.3	93	0.00
59	T	2-Hexanone	250.000	268.218	-7.3	98	0.00
60	T	Dibromochloromethane	50.000	52.075	-4.2	95	0.00
61	T	1,2-Dibromoethane	50.000	51.050	-2.1	94	0.00
62	S	4-Bromofluorobenzene	50.000	48.596	2.8	96	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.00
64	T	Tetrachloroethene	50.000	46.795	6.4	88	0.00
65	PM	Chlorobenzene	50.000	48.699	2.6	96	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.557	0.9	94	0.00
67	C	Ethyl Benzene	50.000	50.245	-0.5#	95	0.00
68	T	m/p-Xylenes	100.000	101.022	-1.0	95	0.00
69	T	o-Xylene	50.000	50.841	-1.7	95	0.00
70	T	Styrene	50.000	51.907	-3.8	95	0.00
71	P	Bromoform	50.000	49.583	0.8	91	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73	T	Isopropylbenzene	50.000	50.733	-1.5	96	0.00
74	T	N-amyl acetate	50.000	52.407	-4.8	98	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.827	4.3	98	0.00
76	T	1,2,3-Trichloropropane	50.000	48.568	2.9	99	0.00
77	T	Bromobenzene	50.000	48.549	2.9	95	0.00
78	T	n-propylbenzene	50.000	50.562	-1.1	95	0.00
79	T	2-Chlorotoluene	50.000	49.107	1.8	96	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.500	-3.0	96	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.276	1.4	95	0.00
82	T	4-Chlorotoluene	50.000	50.661	-1.3	96	0.00
83	T	tert-Butylbenzene	50.000	50.511	-1.0	97	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.485	-3.0	97	0.00
85	T	sec-Butylbenzene	50.000	51.122	-2.2	96	0.00
86	T	p-Isopropyltoluene	50.000	51.198	-2.4	96	0.00
87	T	1,3-Dichlorobenzene	50.000	50.272	-0.5	98	0.00
88	T	1,4-Dichlorobenzene	50.000	48.368	3.3	97	0.00
89	T	n-Butylbenzene	50.000	51.804	-3.6	96	0.00
90	T	Hexachloroethane	50.000	49.895	0.2	94	0.00
91	T	1,2-Dichlorobenzene	50.000	49.361	1.3	97	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.458	-2.9	97	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.662	0.7	97	0.00
94	T	Hexachlorobutadiene	50.000	48.408	3.2	95	0.00
95	T	Naphthalene	50.000	50.404	-0.8	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	48.525	3.0	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: SCAL01

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG No.: Q2161

Instrument ID: MSVOA_Y Calibration Date(s): 05/27/2025 05/27/2025

Heated Purge: (Y/N) Y Calibration Time(s): 08:50 10:44

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

LAB FILE ID: RRF005 = VY022421.D RRF010 = VY022422.D RRF020 = VY022423.D
RRF050 = VY022424.D RRF100 = VY022425.D RRF150 = VY022426.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.544	0.509	0.526	0.423	0.430	0.429	0.477	11.6
Chloromethane	1.364	1.331	1.300	1.196	0.936	0.912	1.173	17.1
Vinyl Chloride	1.535	1.493	1.522	1.453	1.292	1.257	1.425	8.5
Bromomethane	1.261	1.281	1.397	1.275	1.213	1.345	1.295	5.1
Chloroethane	0.930	0.881	0.949	1.015	0.907	0.907	0.932	5
Trichlorofluoromethane	1.243	1.174	1.222	1.197	1.187	1.193	1.203	2.1
1,1,2-Trichlorotrifluoroethane	0.552	0.517	0.541	0.520	0.523	0.512	0.528	2.9
1,1-Dichloroethene	0.552	0.512	0.533	0.511	0.520	0.515	0.524	3
Acetone	0.094	0.090	0.081	0.085	0.086	0.083	0.087	5.6
Carbon Disulfide	1.672	1.675	1.707	1.653	1.672	1.650	1.672	1.2
Methyl tert-butyl Ether	1.353	1.359	1.357	1.386	1.445	1.445	1.391	3.1
Methyl Acetate	0.288	0.319	0.296	0.308	0.351	0.383	0.324	11.2
Methylene Chloride	0.778	0.669	0.578	0.549	0.550	0.543	0.611	15.5
trans-1,2-Dichloroethene	0.595	0.556	0.555	0.561	0.582	0.582	0.572	2.9
1,1-Dichloroethane	1.000	0.986	1.035	1.027	1.062	1.056	1.028	2.9
Cyclohexane	1.220	1.044	0.997	0.939	0.947	0.931	1.013	10.9
2-Butanone	0.137	0.144	0.136	0.142	0.152	0.154	0.144	5.2
Carbon Tetrachloride	0.473	0.456	0.471	0.481	0.510	0.512	0.484	4.7
cis-1,2-Dichloroethene	0.655	0.647	0.650	0.652	0.684	0.685	0.662	2.6
Bromochloromethane	0.400	0.426	0.435	0.439	0.439	0.437	0.429	3.5
Chloroform	0.966	0.970	1.023	1.026	1.052	1.038	1.013	3.5
1,1,1-Trichloroethane	0.900	0.894	0.916	0.913	0.952	0.940	0.919	2.5
Methylcyclohexane	0.611	0.602	0.603	0.614	0.638	0.636	0.618	2.6
Benzene	1.308	1.312	1.360	1.391	1.463	1.461	1.383	5
1,2-Dichloroethane	0.348	0.348	0.360	0.369	0.383	0.384	0.365	4.5
Trichloroethene	0.334	0.325	0.344	0.343	0.357	0.347	0.342	3.3
1,2-Dichloropropane	0.321	0.307	0.318	0.323	0.342	0.339	0.325	4
Bromodichloromethane	0.452	0.449	0.449	0.464	0.493	0.494	0.467	4.5
4-Methyl-2-Pentanone	0.185	0.197	0.198	0.218	0.237	0.242	0.213	10.8
Toluene	0.782	0.805	0.842	0.868	0.929	0.957	0.864	7.9

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

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: SCAL01

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG No.: Q2161

Instrument ID: MSVOA_Y Calibration Date(s): 05/27/2025 05/27/2025

Heated Purge: (Y/N) Y Calibration Time(s): 08:50 10:44

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

LAB FILE ID: RRF005 = VY022421.D RRF010 = VY022422.D RRF020 = VY022423.D
RRF050 = VY022424.D RRF100 = VY022425.D RRF150 = VY022426.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.400	0.414	0.416	0.434	0.472	0.473	0.435	7.1
cis-1,3-Dichloropropene	0.477	0.480	0.504	0.508	0.549	0.547	0.511	6.1
1,1,2-Trichloroethane	0.219	0.216	0.226	0.229	0.243	0.243	0.229	5.1
2-Hexanone	0.121	0.125	0.129	0.145	0.157	0.159	0.140	12
Dibromochloromethane	0.258	0.274	0.284	0.302	0.320	0.321	0.293	8.7
1,2-Dibromoethane	0.199	0.189	0.207	0.215	0.223	0.225	0.210	6.8
Tetrachloroethene	0.433	0.417	0.433	0.429	0.429	0.413	0.426	2.1
Chlorobenzene	1.020	1.000	1.051	1.067	1.132	1.127	1.066	5.1
Ethyl Benzene	1.823	1.828	1.920	1.980	2.142	2.185	1.980	7.8
m/p-Xylenes	0.698	0.660	0.723	0.756	0.825	0.841	0.751	9.5
o-Xylene	0.654	0.637	0.673	0.709	0.768	0.792	0.705	8.9
Styrene	1.037	1.020	1.117	1.197	1.317	1.359	1.175	12.1
Bromoform	0.169	0.176	0.184	0.192	0.206	0.210	0.189	8.6
Isopropylbenzene	3.863	3.741	3.946	3.871	4.105	4.086	3.935	3.6
1,1,2,2-Tetrachloroethane	0.623	0.574	0.604	0.615	0.652	0.653	0.620	4.8
1,3-Dichlorobenzene	1.587	1.558	1.674	1.695	1.836	1.874	1.704	7.5
1,4-Dichlorobenzene	1.596	1.527	1.617	1.642	1.707	1.687	1.629	4
1,2-Dichlorobenzene	1.383	1.332	1.431	1.416	1.495	1.482	1.423	4.3
1,2-Dibromo-3-Chloropropane	0.103	0.093	0.096	0.093	0.093	0.096	0.096	3.8
1,2,4-Trichlorobenzene	0.714	0.724	0.771	0.828	0.842	0.856	0.789	7.8
1,2,3-Trichlorobenzene	0.575	0.554	0.644	0.684	0.703	0.722	0.647	10.7
1,2-Dichloroethane-d4	0.507	0.525	0.517	0.532	0.541	0.538	0.527	2.5
Dibromofluoromethane	0.287	0.281	0.283	0.290	0.309	0.308	0.293	4.3
Toluene-d8	1.159	1.133	1.168	1.176	1.274	1.251	1.194	4.7
4-Bromofluorobenzene	0.377	0.331	0.345	0.355	0.382	0.376	0.361	5.7

* 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.

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022421.D
Acq On : 27 May 2025 08:50
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:38:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	266668	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	453411	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	366267	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	162324	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	13513	4.811	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 9.620%#			
35) Dibromofluoromethane	7.640	113	13007	4.898	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 9.800%#			
50) Toluene-d8	10.115	98	52564	4.856	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 9.720%#			
62) 4-Bromofluorobenzene	12.408	95	17111	5.226	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 10.460%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	14514	5.705	ug/l	97
3) Chloromethane	2.068	50	36383	5.814	ug/l	99
4) Vinyl Chloride	2.208	62	40931	5.384	ug/l	100
5) Bromomethane	2.604	94	33633	4.868	ug/l	95
6) Chloroethane	2.739	64	24812	4.994	ug/l	99
7) Trichlorofluoromethane	3.062	101	33151	5.168	ug/l	96
8) Diethyl Ether	3.464	74	7356	4.974	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	14725	5.233	ug/l	98
10) Methyl Iodide	4.013	142	13178	4.151	ug/l	96
11) Tert butyl alcohol	4.872	59	4995m	25.228	ug/l	
12) 1,1-Dichloroethene	3.799	96	14718	5.268	ug/l	94
13) Acrolein	3.665	56	6888	23.219	ug/l #	77
14) Allyl chloride	4.397	41	20931	4.980	ug/l	95
15) Acrylonitrile	5.080	53	14224	23.859	ug/l	96
16) Acetone	3.885	43	12519	27.123	ug/l #	89
17) Carbon Disulfide	4.110	76	44596	5.002	ug/l	96
18) Methyl Acetate	4.391	43	7671	4.437	ug/l	93
19) Methyl tert-butyl Ether	5.128	73	36078	4.864	ug/l	98
20) Methylene Chloride	4.622	84	20751	6.367	ug/l	94
21) trans-1,2-Dichloroethene	5.128	96	15870	5.203	ug/l	91
22) Diisopropyl ether	6.025	45	45596	4.916	ug/l	95
23) Vinyl Acetate	5.970	43	129326	24.282	ug/l	99
24) 1,1-Dichloroethane	5.927	63	26673	4.866	ug/l	97
25) 2-Butanone	6.909	43	18294	23.799	ug/l	97
26) 2,2-Dichloropropane	6.896	77	24997	5.037	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	17459	4.944	ug/l	97
28) Bromochloromethane	7.250	49	10658	4.657	ug/l #	98
29) Tetrahydrofuran	7.274	42	12618	24.613	ug/l	99
30) Chloroform	7.433	83	25766	4.771	ug/l	99
31) Cyclohexane	7.713	56	32546	6.024	ug/l #	81
32) 1,1,1-Trichloroethane	7.622	97	23999	4.896	ug/l	99
36) 1,1-Dichloropropene	7.847	75	21399	5.079	ug/l	98
37) Ethyl Acetate	6.988	43	8953	5.000	ug/l	97
38) Carbon Tetrachloride	7.829	117	21453	4.888	ug/l	99
39) Methylcyclohexane	9.115	83	27716	4.948	ug/l	98
40) Benzene	8.085	78	59324	4.732	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022421.D
Acq On : 27 May 2025 08:50
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:38:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.238	41	5545m	2.353	ug/l		
42) 1,2-Dichloroethane	8.164	62	15776	4.764	ug/l		98
43) Isopropyl Acetate	8.201	43	18244	4.662	ug/l		98
44) Trichloroethene	8.872	130	15132	4.882	ug/l		87
45) 1,2-Dichloropropane	9.146	63	14536	4.935	ug/l		95
46) Dibromomethane	9.237	93	8142	4.948	ug/l		94
47) Bromodichloromethane	9.426	83	20477	4.839	ug/l		94
48) Methyl methacrylate	9.225	41	8390	4.619	ug/l		95
49) 1,4-Dioxane	9.256	88	1711	94.135	ug/l	#	80
51) 4-Methyl-2-Pentanone	10.006	43	42047	21.778	ug/l		95
52) Toluene	10.176	92	35452	4.527	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	18117	4.596	ug/l		100
54) cis-1,3-Dichloropropene	9.865	75	21634	4.671	ug/l		98
55) 1,1,2-Trichloroethane	10.579	97	9913	4.765	ug/l		92
56) Ethyl methacrylate	10.444	69	12714	4.258	ug/l		94
57) 1,3-Dichloropropane	10.725	76	17193	4.689	ug/l		92
58) 2-Chloroethyl Vinyl ether	9.719	63	32506	21.845	ug/l		96
59) 2-Hexanone	10.768	43	27506	21.739	ug/l		99
60) Dibromochloromethane	10.914	129	11708	4.405	ug/l		95
61) 1,2-Dibromoethane	11.024	107	9019	4.739	ug/l		99
64) Tetrachloroethene	10.652	164	15876	5.090	ug/l		94
65) Chlorobenzene	11.444	112	37368	4.785	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.524	131	11929	4.508	ug/l		95
67) Ethyl Benzene	11.524	91	66757	4.603	ug/l		96
68) m/p-Xylenes	11.633	106	51109	9.296	ug/l		96
69) o-Xylene	11.956	106	23941	4.633	ug/l		98
70) Styrene	11.975	104	37982	4.414	ug/l		98
71) Bromoform	12.139	173	6180	4.459	ug/l	#	99
73) Isopropylbenzene	12.255	105	62701	4.908	ug/l		99
74) N-amyl acetate	12.072	43	14329	4.584	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.511	83	10107	5.021	ug/l		96
76) 1,2,3-Trichloropropane	12.554	75	7617m	2.848	ug/l		
77) Bromobenzene	12.536	156	13050	4.747	ug/l		98
78) n-propylbenzene	12.597	91	74444	4.856	ug/l		100
79) 2-Chlorotoluene	12.682	91	41511	5.002	ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	47346	4.743	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	3492	4.857	ug/l		97
82) 4-Chlorotoluene	12.779	91	41039	4.801	ug/l		97
83) tert-Butylbenzene	12.999	119	44656	4.951	ug/l		98
84) 1,2,4-Trimethylbenzene	13.048	105	47206	4.699	ug/l		98
85) sec-Butylbenzene	13.182	105	65492	4.897	ug/l		100
86) p-Isopropyltoluene	13.298	119	51853	4.643	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	25760	4.657	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	25910	4.899	ug/l		92
89) n-Butylbenzene	13.621	91	50178	4.792	ug/l		98
90) Hexachloroethane	13.883	117	11019	4.958	ug/l		99
91) 1,2-Dichlorobenzene	13.663	146	22457	4.860	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1667	5.360	ug/l		82
93) 1,2,4-Trichlorobenzene	14.925	180	11591	4.525	ug/l		96
94) Hexachlorobutadiene	15.029	225	6893	5.128	ug/l		97
95) Naphthalene	15.151	128	20065	4.237	ug/l		98
96) 1,2,3-Trichlorobenzene	15.334	180	9338	4.445	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022421.D
Acq On : 27 May 2025 08:50
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:38:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 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

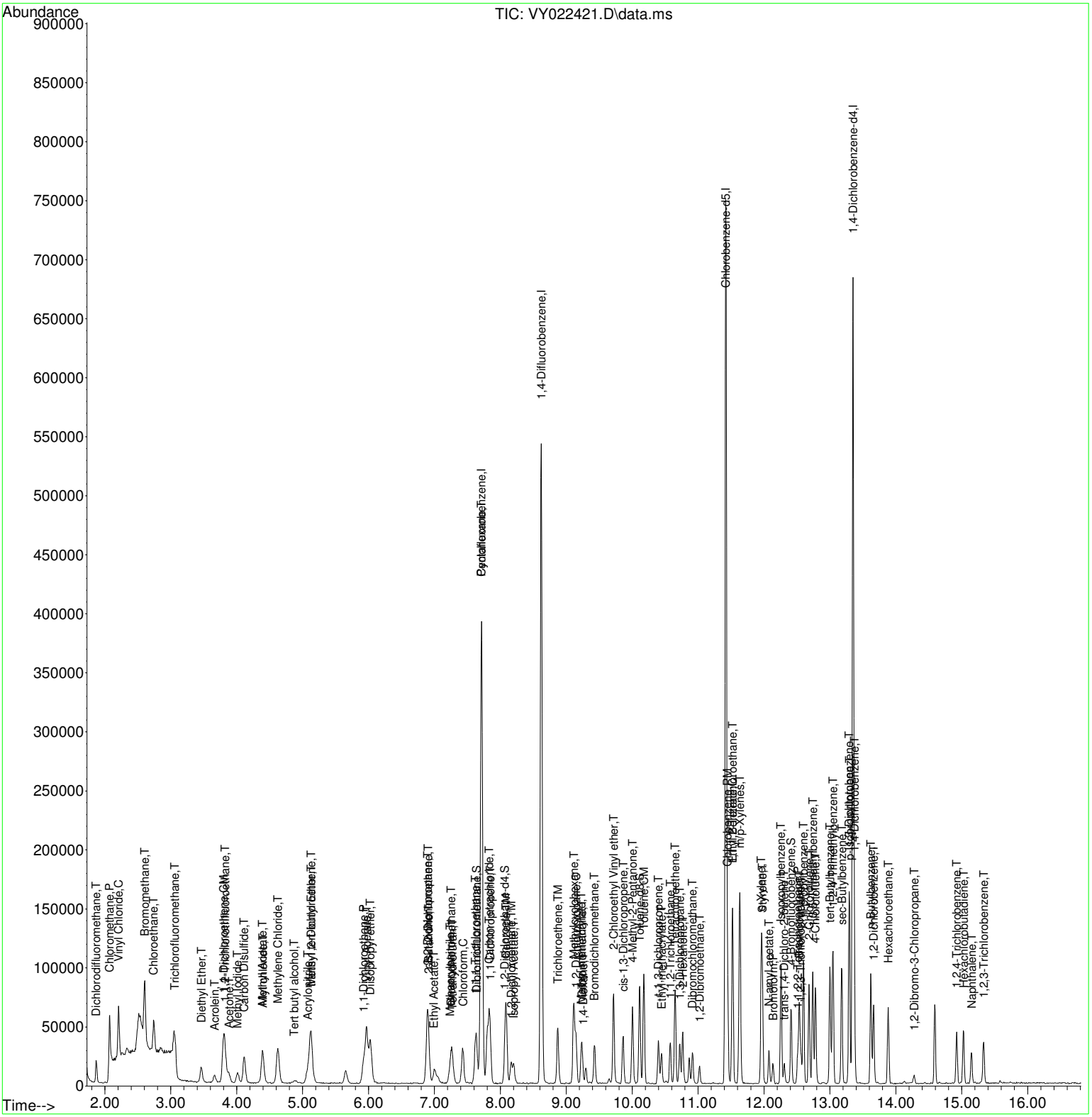
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022421.D
Acq On : 27 May 2025 08:50
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

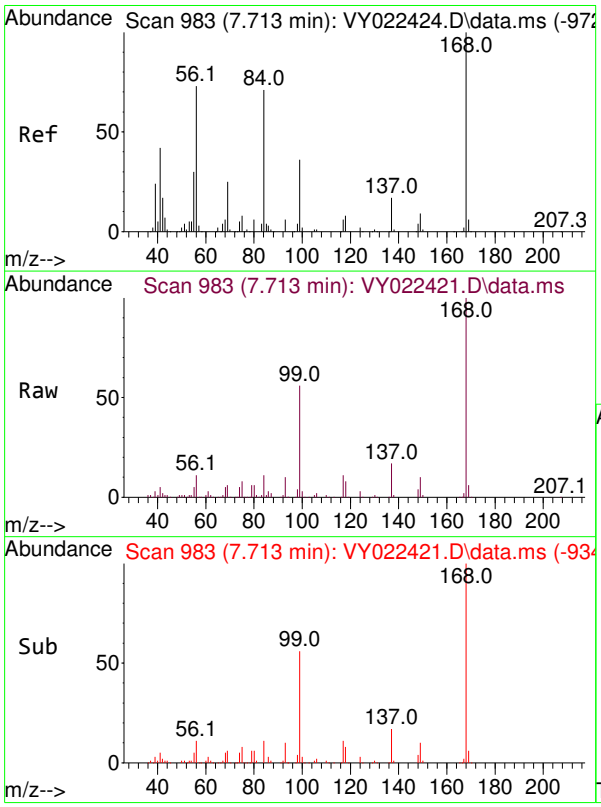
Quant Time: May 28 09:38:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

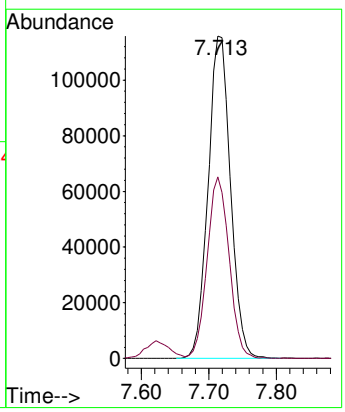




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:168 Resp: 26666

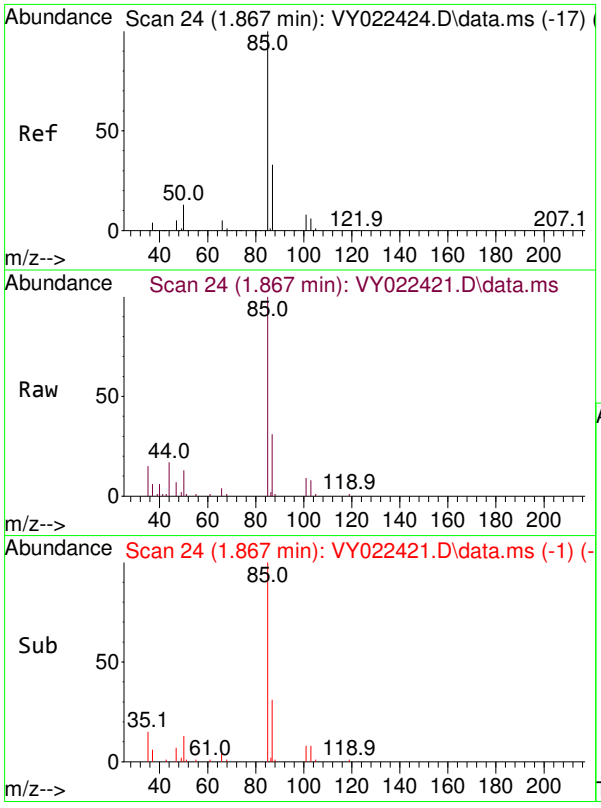
Ion	Ratio	Lower	Upper
168	100		
99	56.2	44.7	67.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

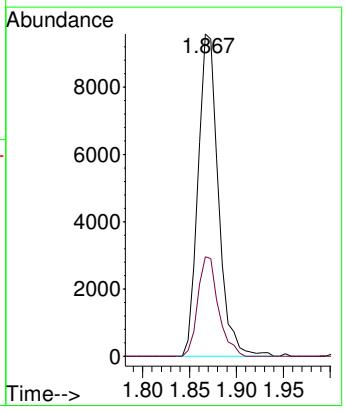
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

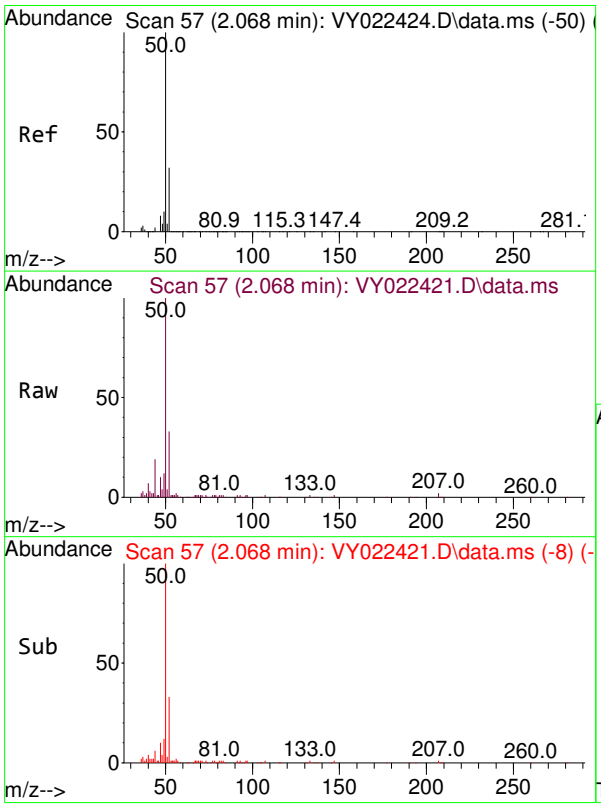


#2
Dichlorodifluoromethane
Concen: 5.705 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 85 Resp: 14514

Ion	Ratio	Lower	Upper
85	100		
87	30.9	16.4	49.2





#3
Chloromethane
Concen: 5.814 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

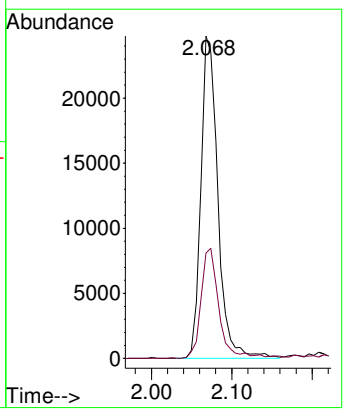
Tgt Ion: 50 Resp: 3638

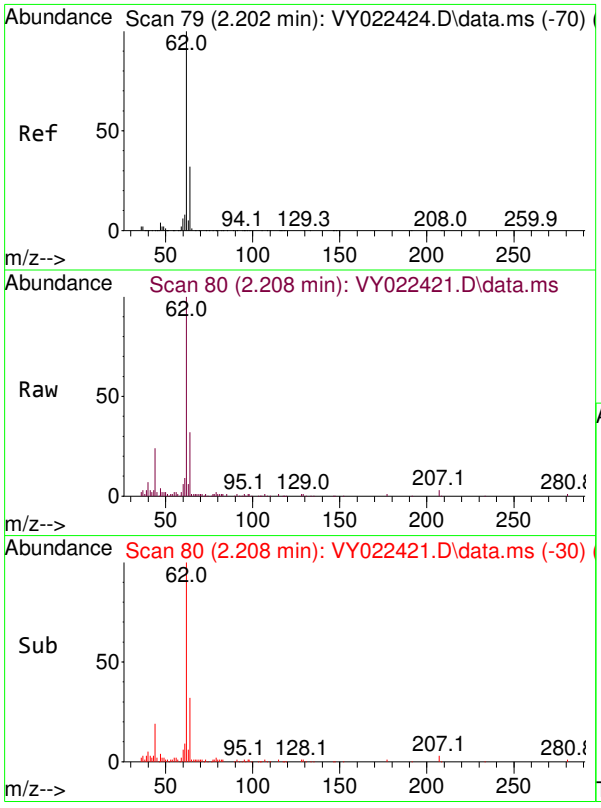
Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.5	38.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

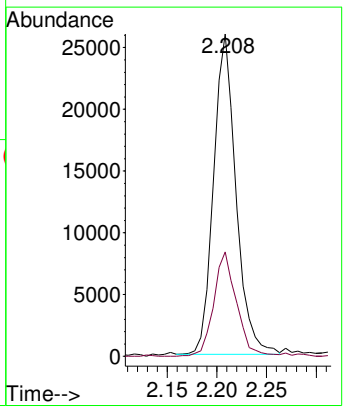


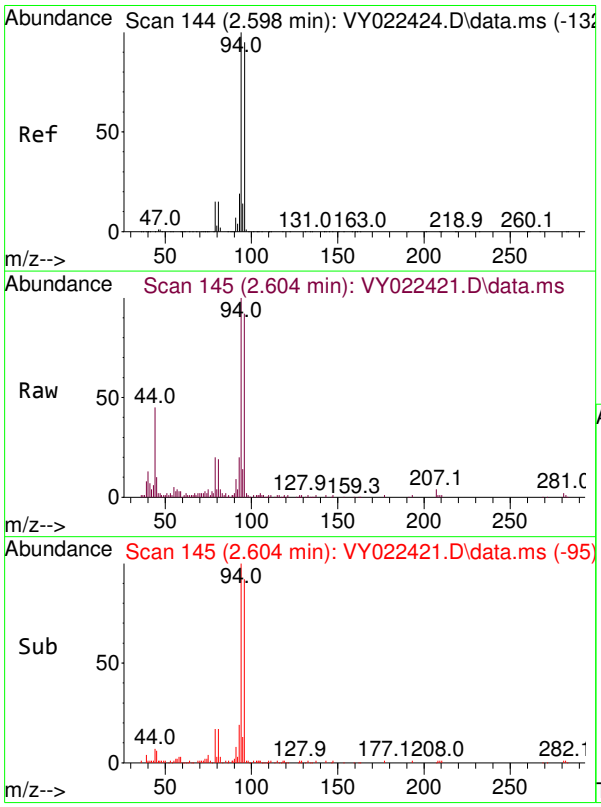


#4
Vinyl Chloride
Concen: 5.384 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 62 Resp: 40931

Ion	Ratio	Lower	Upper
62	100		
64	32.6	26.0	39.0

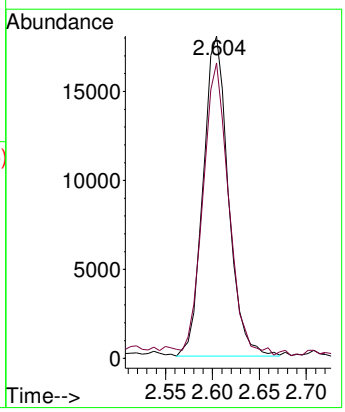




#5
Bromomethane
Concen: 4.868 ug/l
RT: 2.604 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 94 Resp: 3363

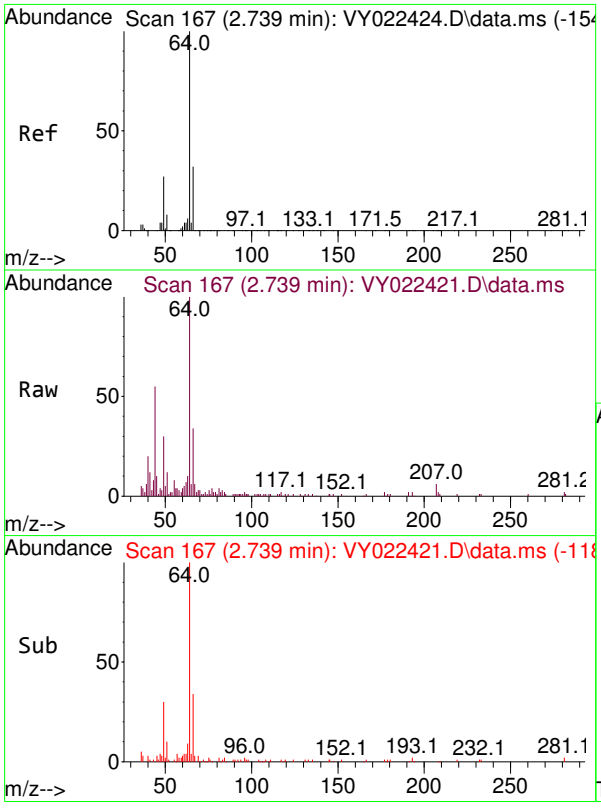
Ion	Ratio	Lower	Upper
94	100		
96	90.3	76.0	114.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

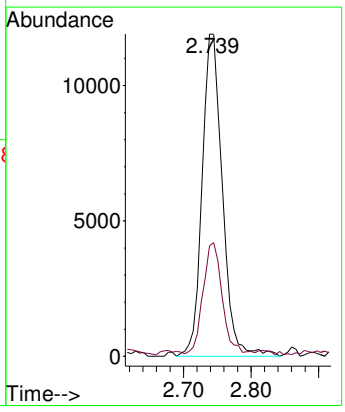
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

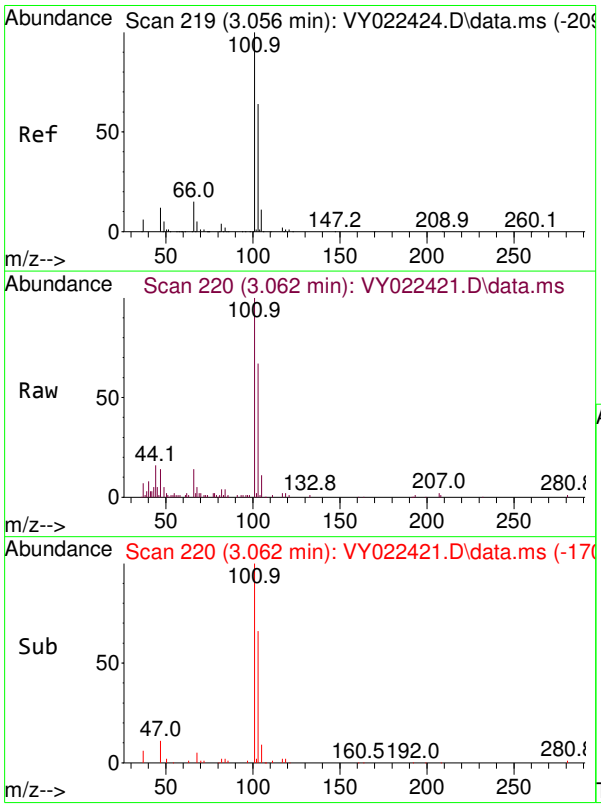


#6
Chloroethane
Concen: 4.994 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 64 Resp: 24812

Ion	Ratio	Lower	Upper
64	100		
66	32.8	25.9	38.9





#7
Trichlorofluoromethane
Concen: 5.168 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

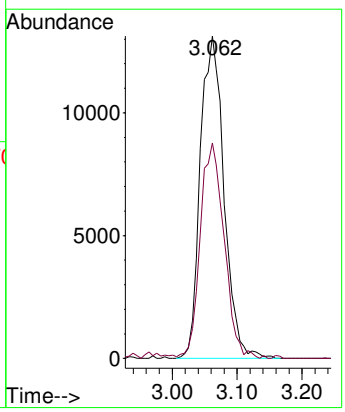
Tgt Ion:101 Resp: 3315

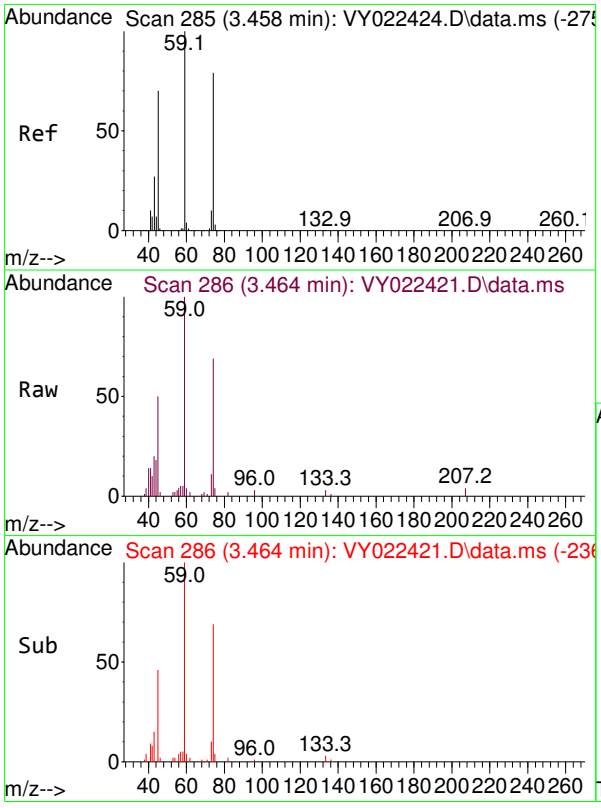
Ion	Ratio	Lower	Upper
101	100		
103	66.3	50.9	76.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

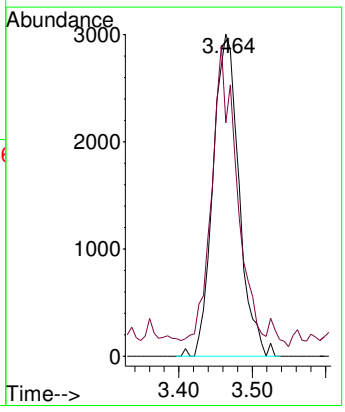


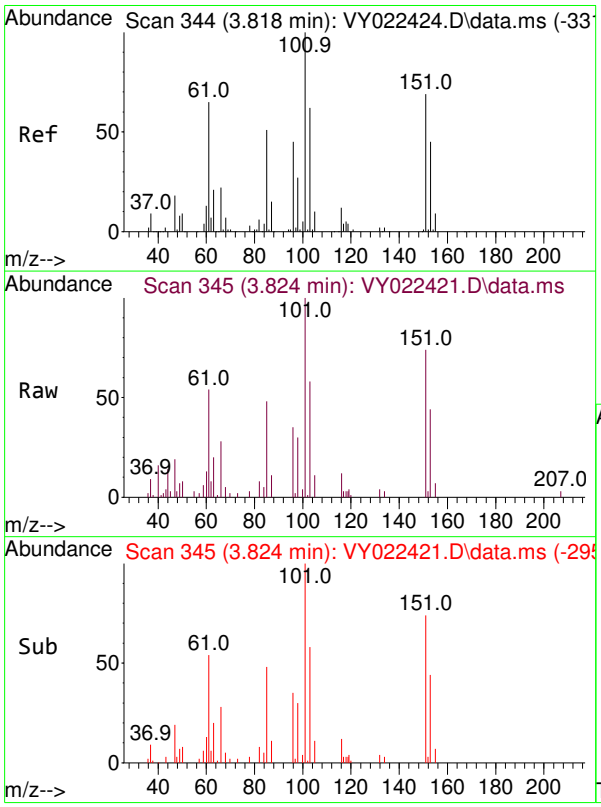


#8
Diethyl Ether
Concen: 4.974 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 74 Resp: 7356

Ion	Ratio	Lower	Upper
74	100		
45	91.1	44.9	134.5

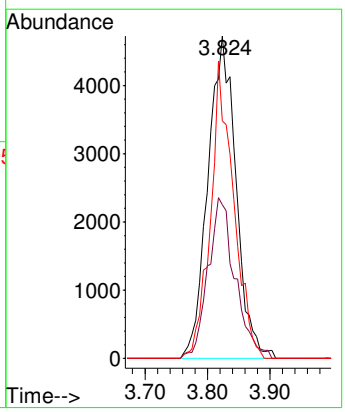




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.233 ug/l
RT: 3.824 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:101 Resp: 1472

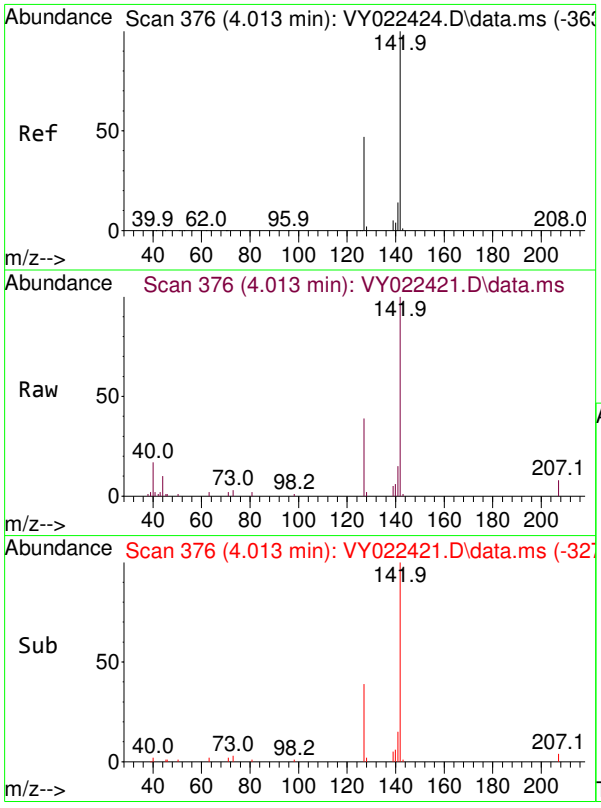
Ion	Ratio	Lower	Upper
101	100		
85	48.1	39.2	58.8
151	75.6	58.8	88.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

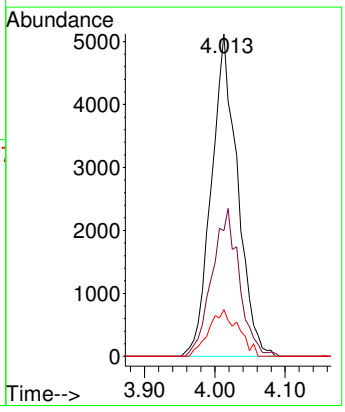
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

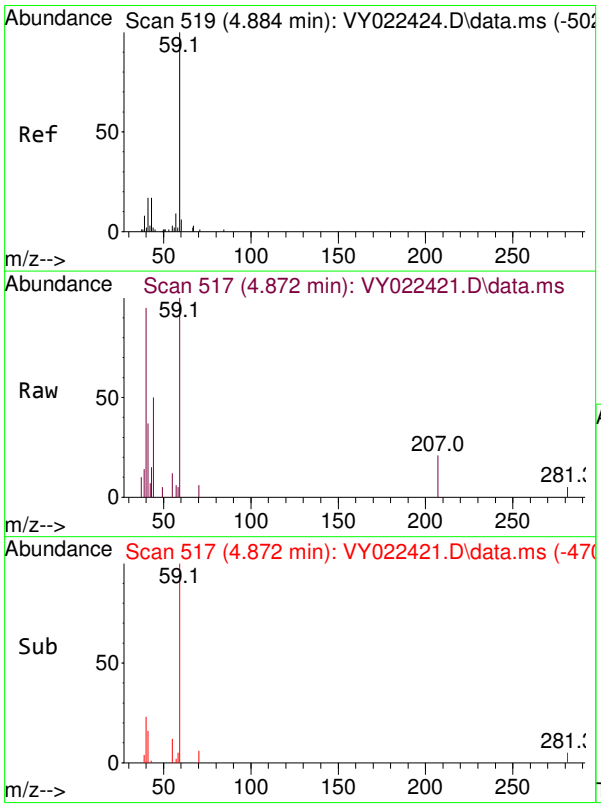


#10
Methyl Iodide
Concen: 4.151 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:142 Resp: 13178

Ion	Ratio	Lower	Upper
142	100		
127	48.0	36.2	54.4
141	16.4	11.6	17.4

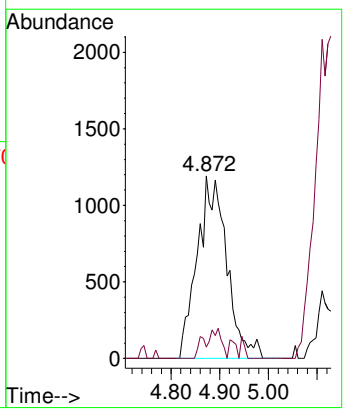




#11
Tert butyl alcohol
Concen: 25.228 ug/l m
RT: 4.872 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 59 Resp: 499

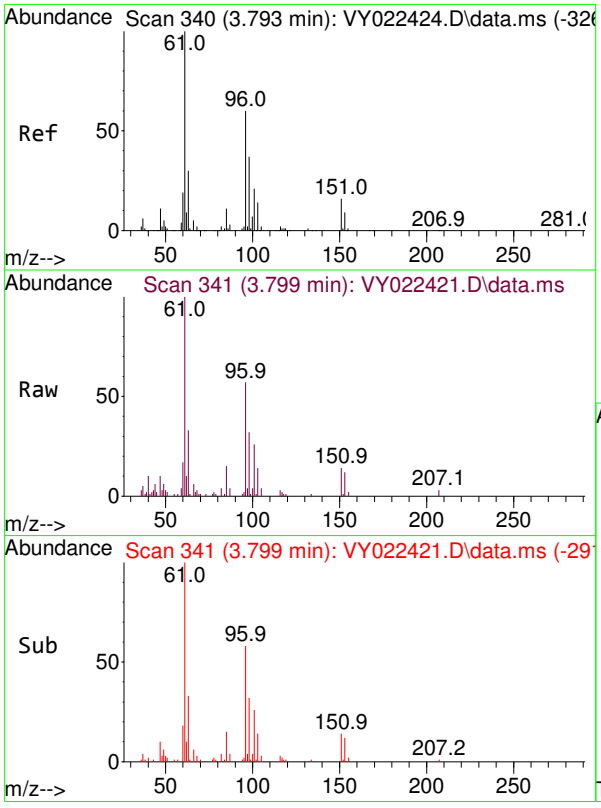
Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.1	13.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

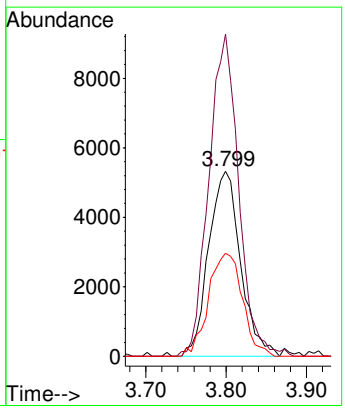
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

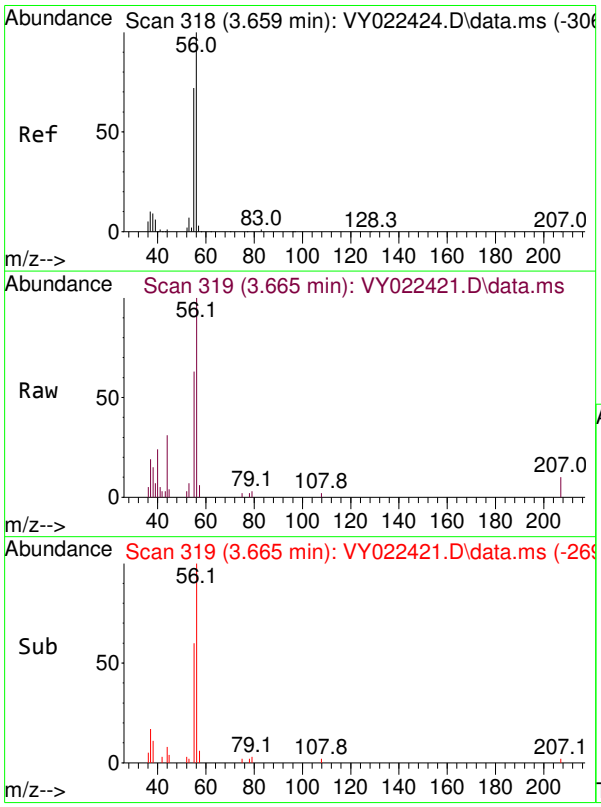


#12
1,1-Dichloroethene
Concen: 5.268 ug/l
RT: 3.799 min Scan# 341
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 96 Resp: 14718

Ion	Ratio	Lower	Upper
96	100		
61	174.1	134.1	201.1
98	55.7	50.2	75.2





#13
Acrolein
Concen: 23.219 ug/l
RT: 3.665 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 56 Resp: 688

Ion	Ratio	Lower	Upper
56	100		
55	89.6	56.5	84.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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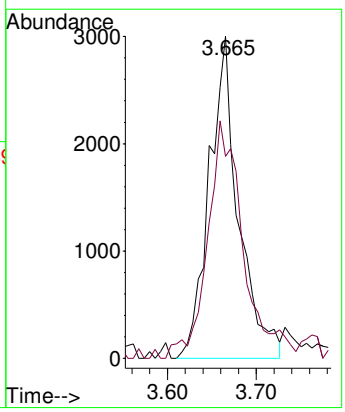
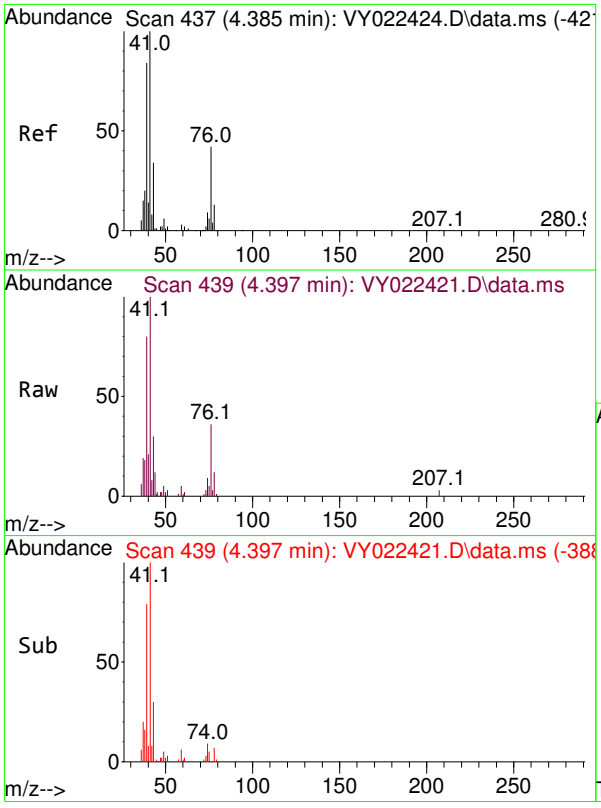
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

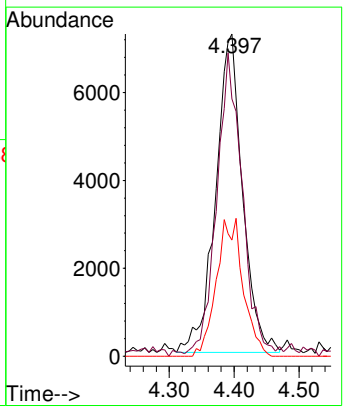


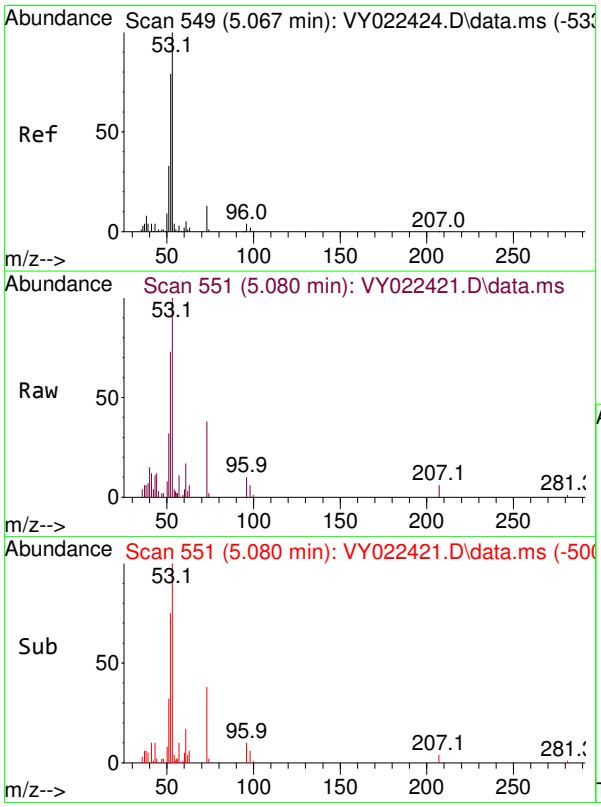


#14
Allyl chloride
Concen: 4.980 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.012 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 41 Resp: 20931

Ion	Ratio	Lower	Upper
41	100		
39	89.3	66.6	100.0
76	42.7	33.7	50.5





#15
Acrylonitrile
Concen: 23.859 ug/l
RT: 5.080 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

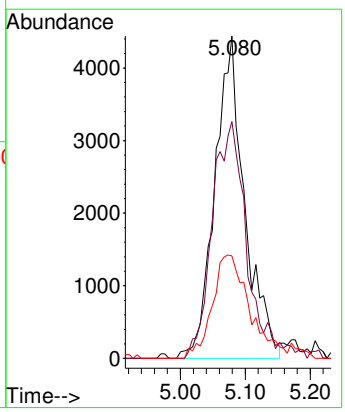
Tgt Ion: 53 Resp: 1422

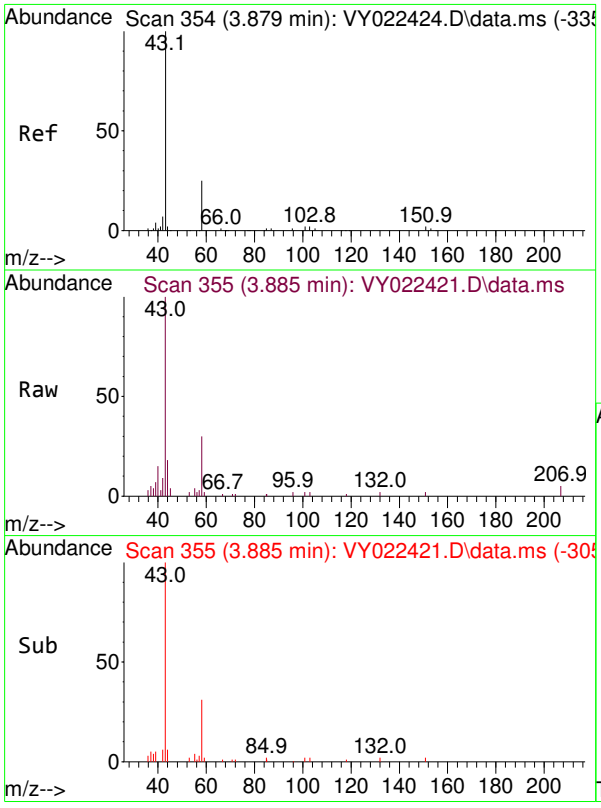
Ion	Ratio	Lower	Upper
53	100		
52	85.0	65.1	97.7
51	40.0	30.0	45.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

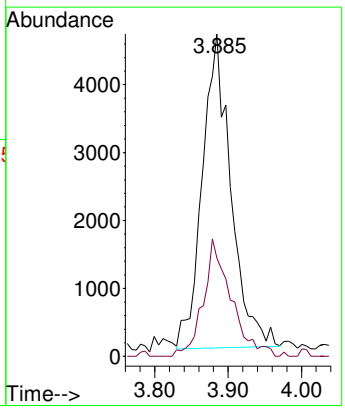


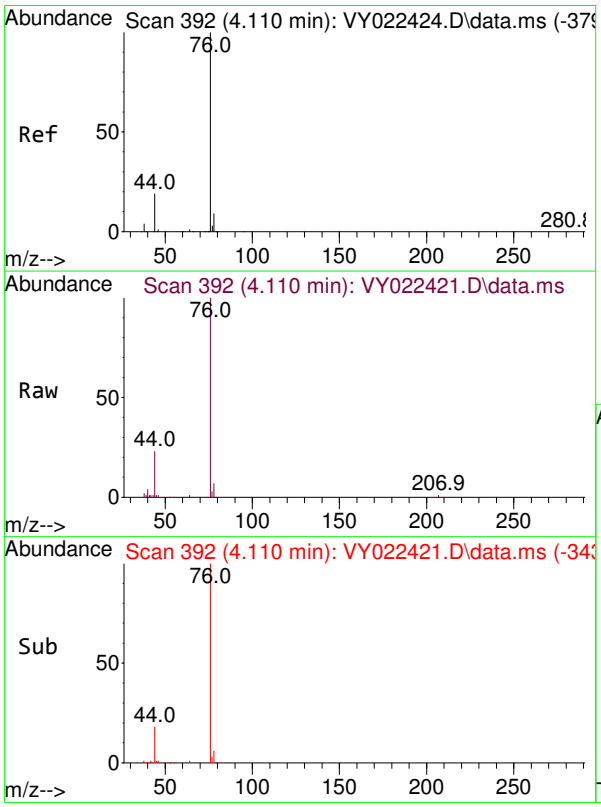


#16
Acetone
Concen: 27.123 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 43 Resp: 12519

Ion	Ratio	Lower	Upper
43	100		
58	31.4	20.6	30.8#





#17
Carbon Disulfide
Concen: 5.002 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 76 Resp: 4459

Ion	Ratio	Lower	Upper
76	100		
78	7.4	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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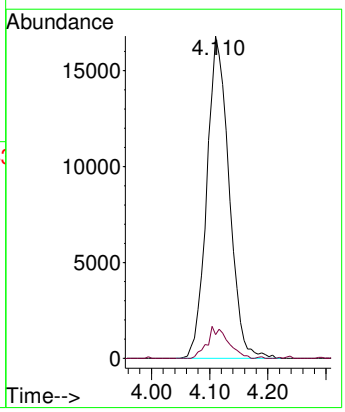
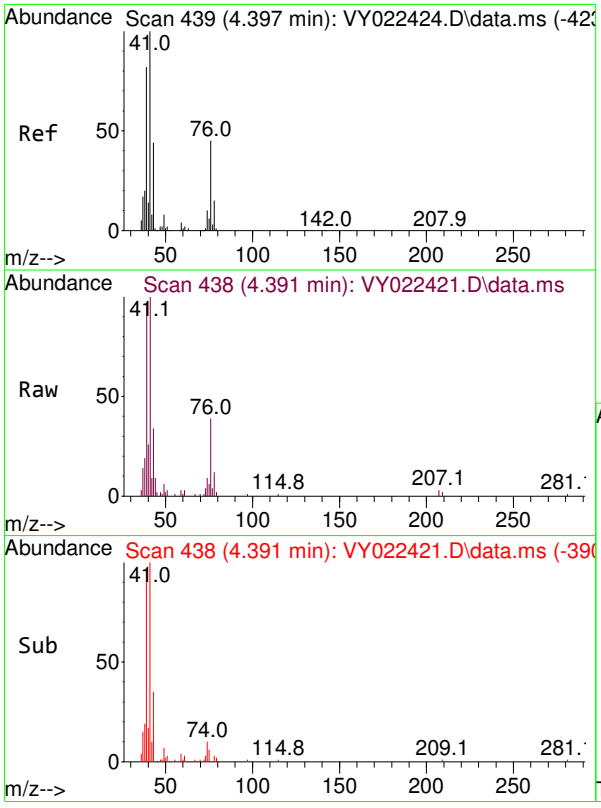
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

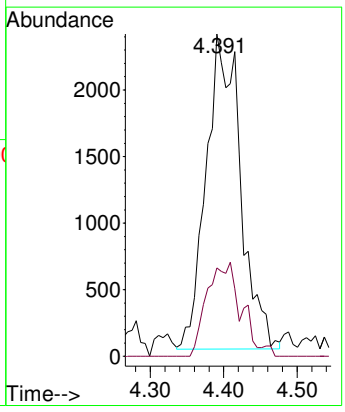


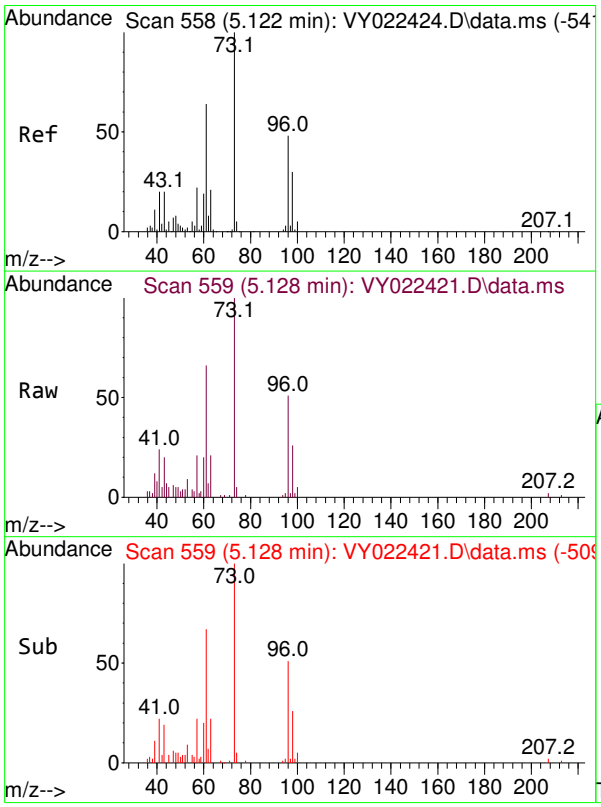


#18
Methyl Acetate
Concen: 4.437 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 43 Resp: 7671

Ion	Ratio	Lower	Upper
43	100		
74	30.0	21.2	31.8





#19
Methyl tert-butyl Ether
Concen: 4.864 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 73 Resp: 3607

Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.7	26.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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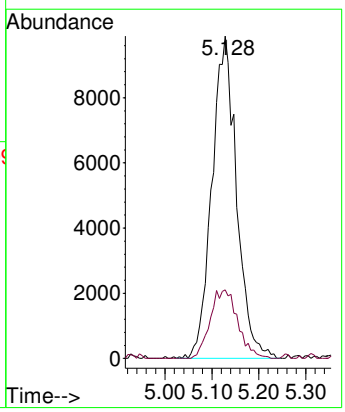
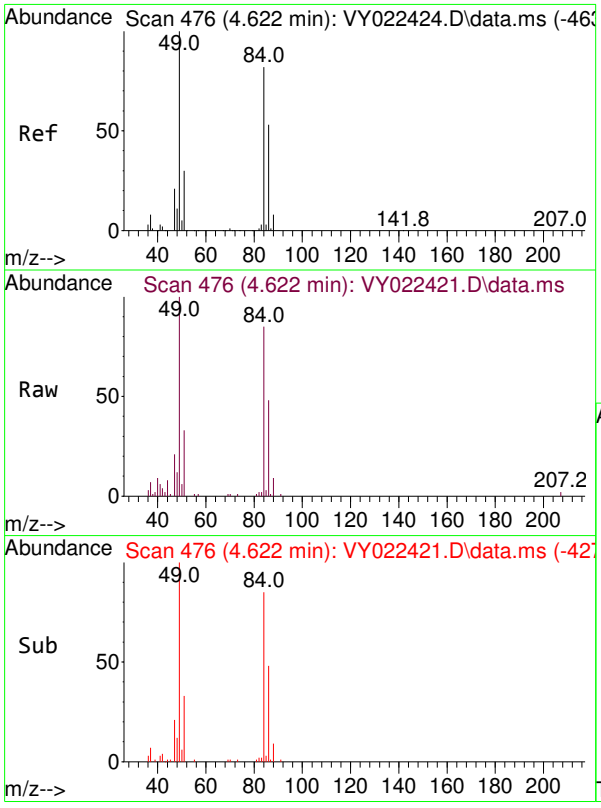
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

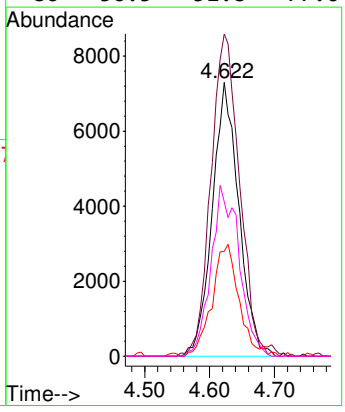


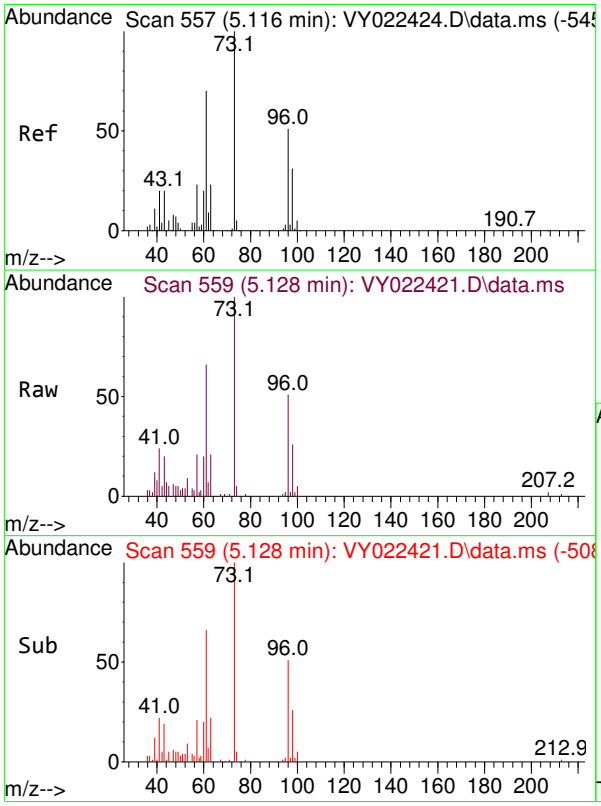


#20
Methylene Chloride
Concen: 6.367 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 84 Resp: 20751

Ion	Ratio	Lower	Upper
84	100		
49	117.7	97.8	146.8
51	38.4	29.5	44.3
86	56.5	51.8	77.6





#21
trans-1,2-Dichloroethene
Concen: 5.203 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 96 Resp: 1587

Ion	Ratio	Lower	Upper
96	100		
61	129.8	110.4	165.6
98	50.4	48.6	73.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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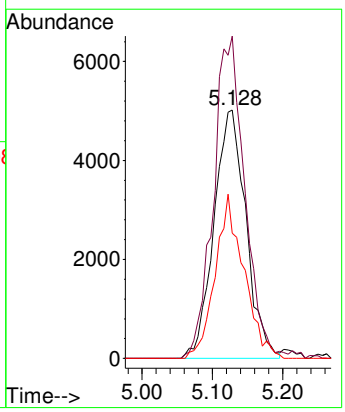
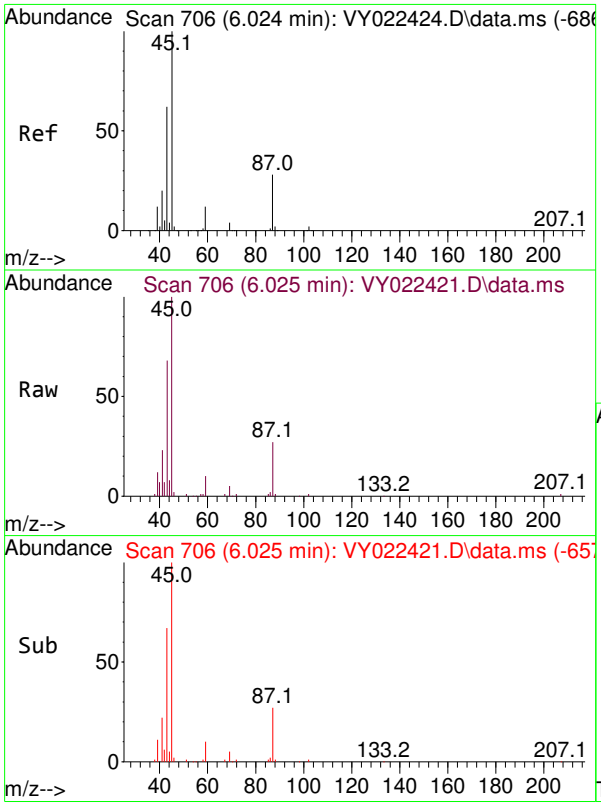
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

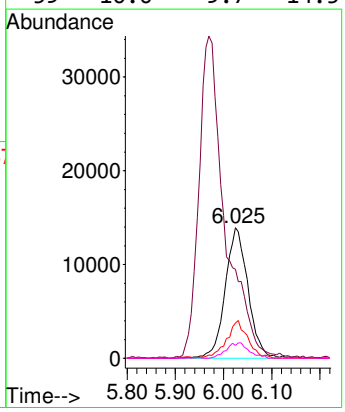


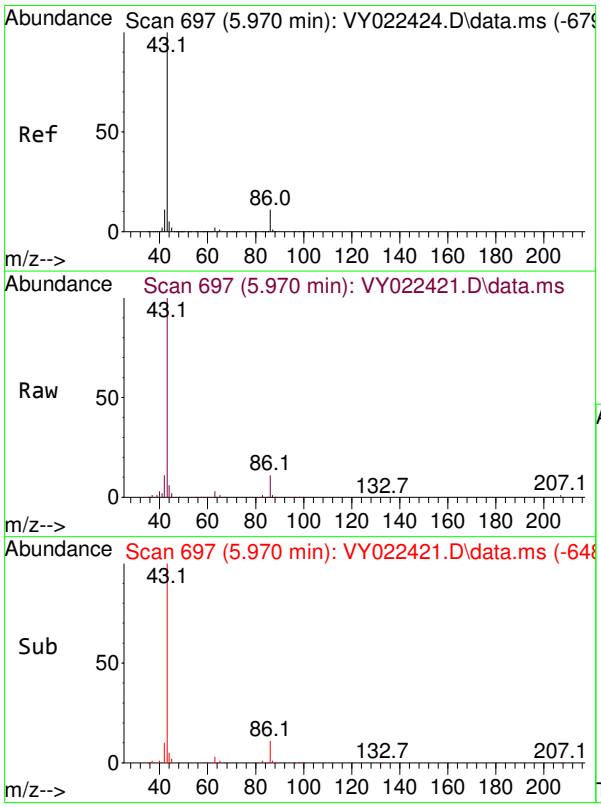


#22
Diisopropyl ether
Concen: 4.916 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 45 Resp: 45596

Ion	Ratio	Lower	Upper
45	100		
43	66.5	49.8	74.8
87	27.1	23.0	34.6
59	10.0	9.7	14.5





#23
Vinyl Acetate
Concen: 24.282 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 43 Resp: 12932

Ion	Ratio	Lower	Upper
43	100		
86	11.4	8.8	13.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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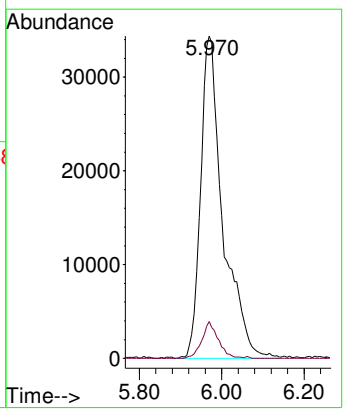
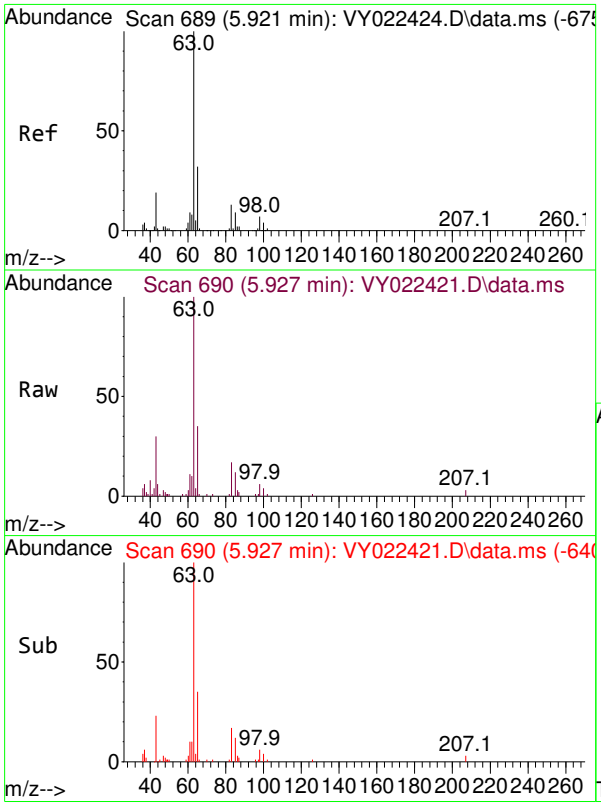
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

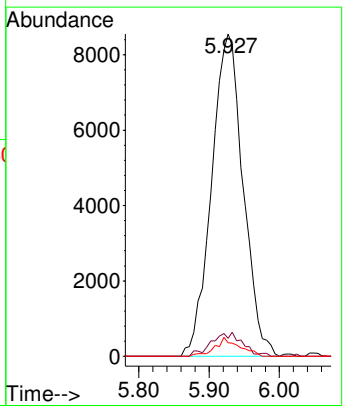


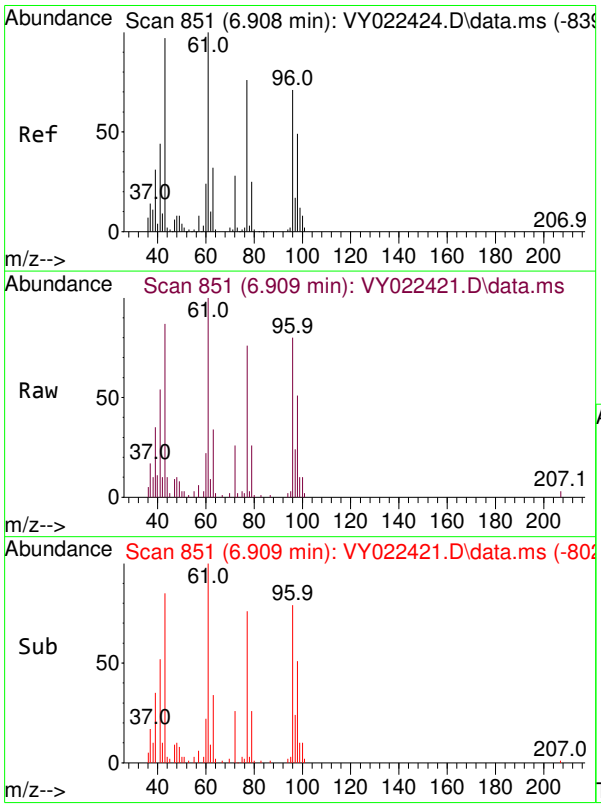


#24
1,1-Dichloroethane
Concen: 4.866 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 63 Resp: 26673

Ion	Ratio	Lower	Upper
63	100		
98	5.5	3.5	10.5
100	4.2	2.1	6.5

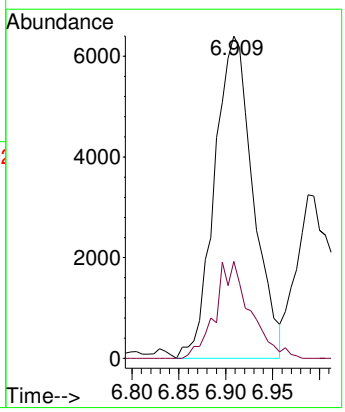




#25
2-Butanone
Concen: 23.799 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 43 Resp: 1829

Ion	Ratio	Lower	Upper
43	100		
72	30.1	22.8	34.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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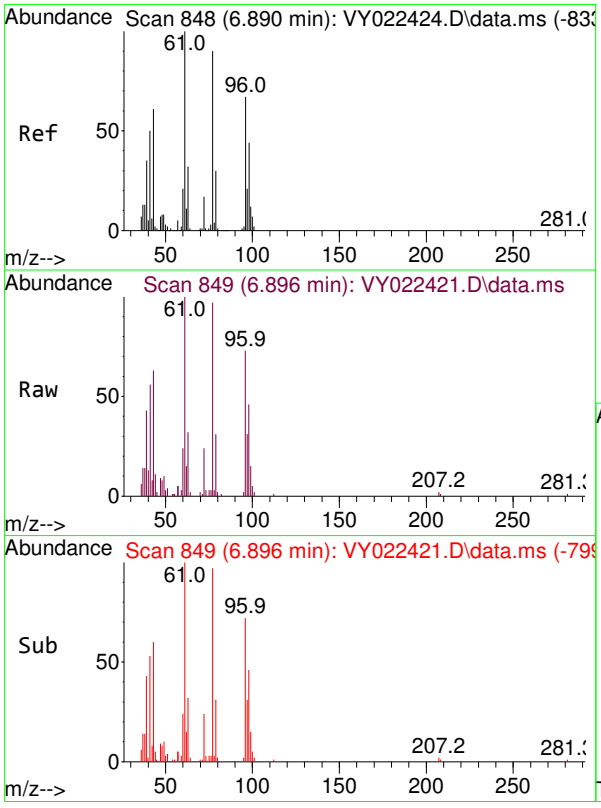
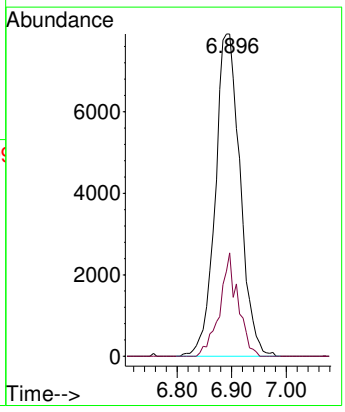
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

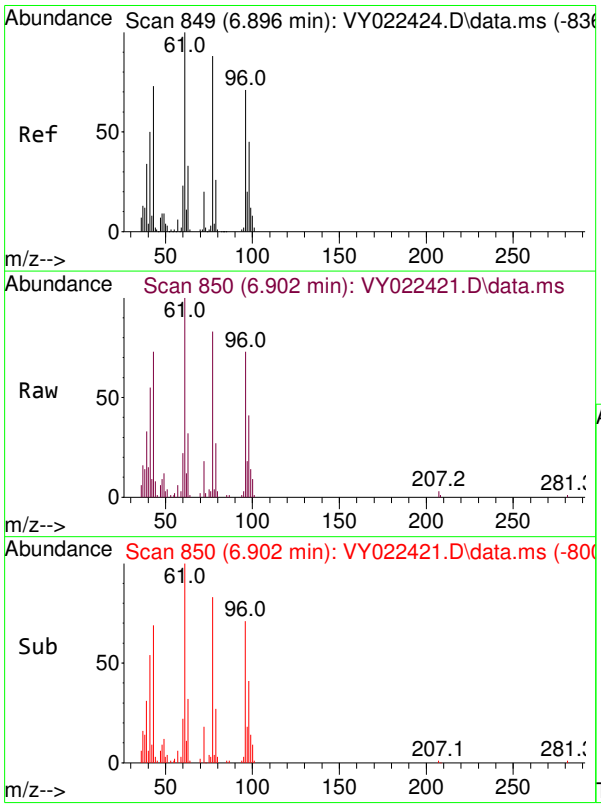


#26
2,2-Dichloropropane
Concen: 5.037 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 77 Resp: 24997

Ion	Ratio	Lower	Upper
77	100		
97	23.8	11.6	34.7

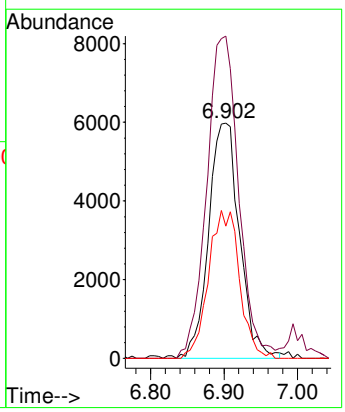




#27
cis-1,2-Dichloroethene
Concen: 4.944 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 96 Resp: 1745

Ion	Ratio	Lower	Upper
96	100		
61	141.7	0.0	292.0
98	63.1	0.0	131.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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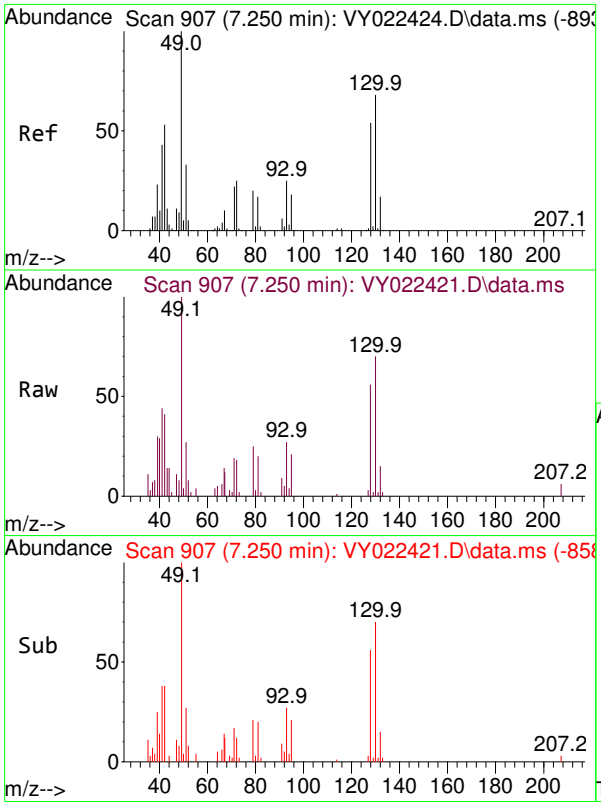
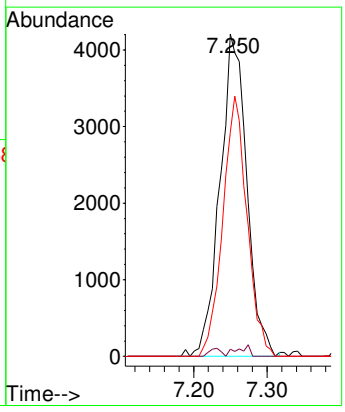
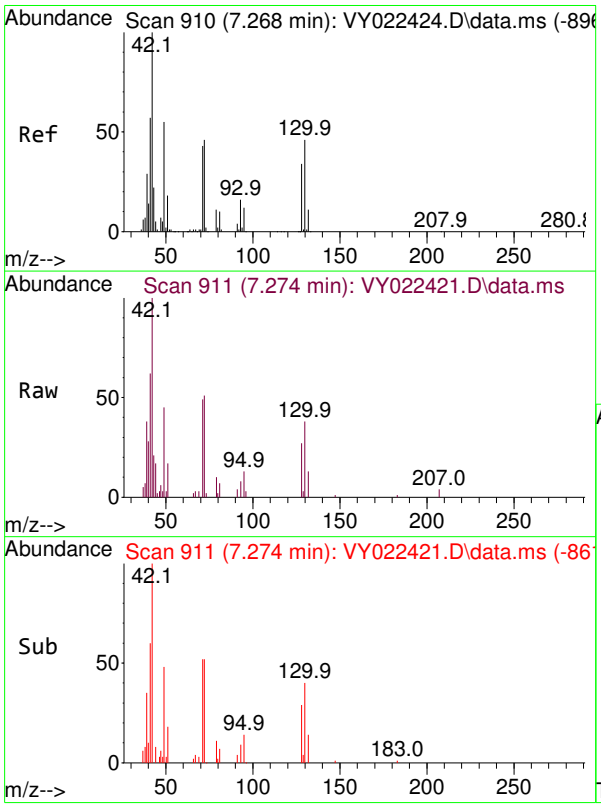


#28
Bromochloromethane
Concen: 4.657 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 49 Resp: 10658

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	72.8	56.9	85.3





#29
Tetrahydrofuran
Concen: 24.613 ug/l
RT: 7.274 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 42 Resp: 1261

Ion	Ratio	Lower	Upper
42	100		
72	45.6	37.7	56.5
71	43.1	34.7	52.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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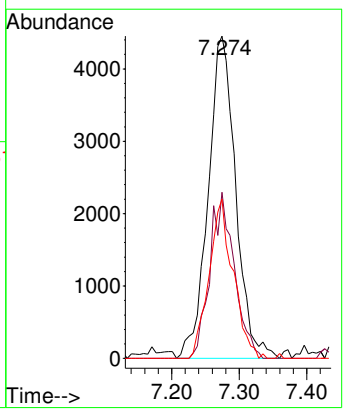
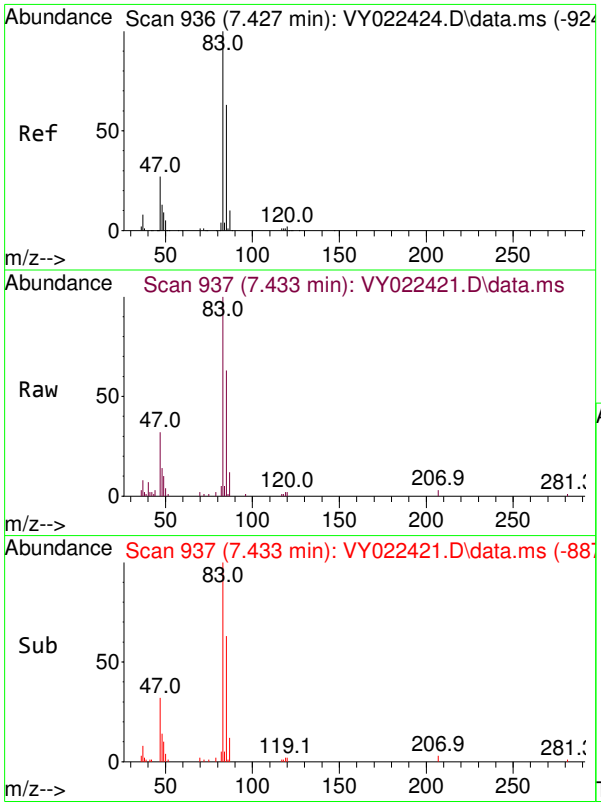
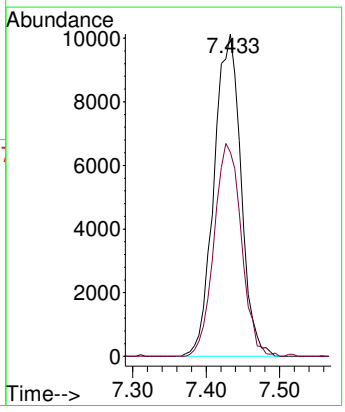


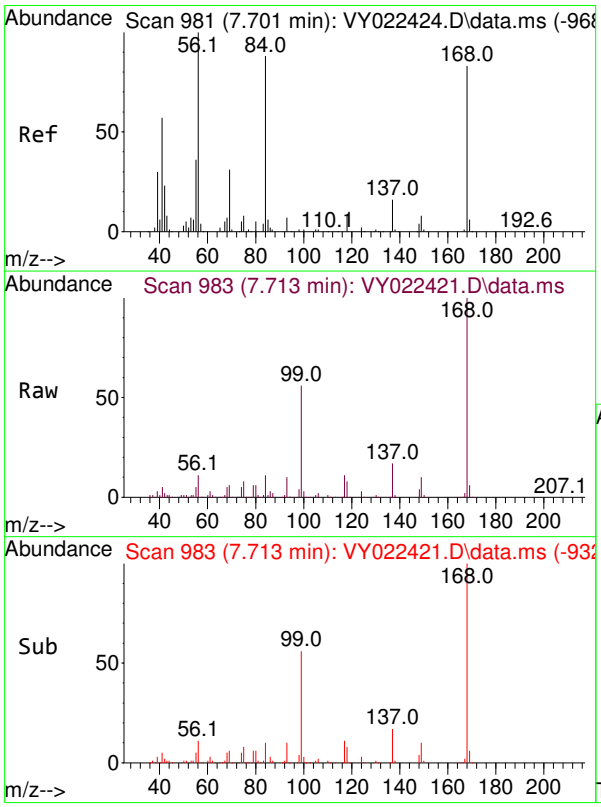


#30
Chloroform
Concen: 4.771 ug/l
RT: 7.433 min Scan# 937
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 83 Resp: 25766

Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.1	75.1





#31
Cyclohexane
Concen: 6.024 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

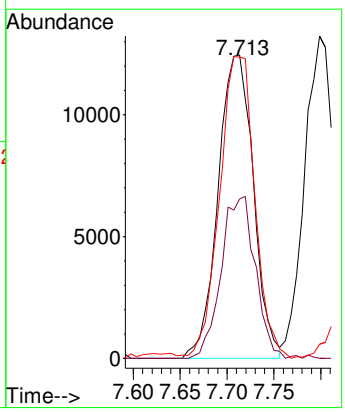
Tgt Ion: 56 Resp: 3254

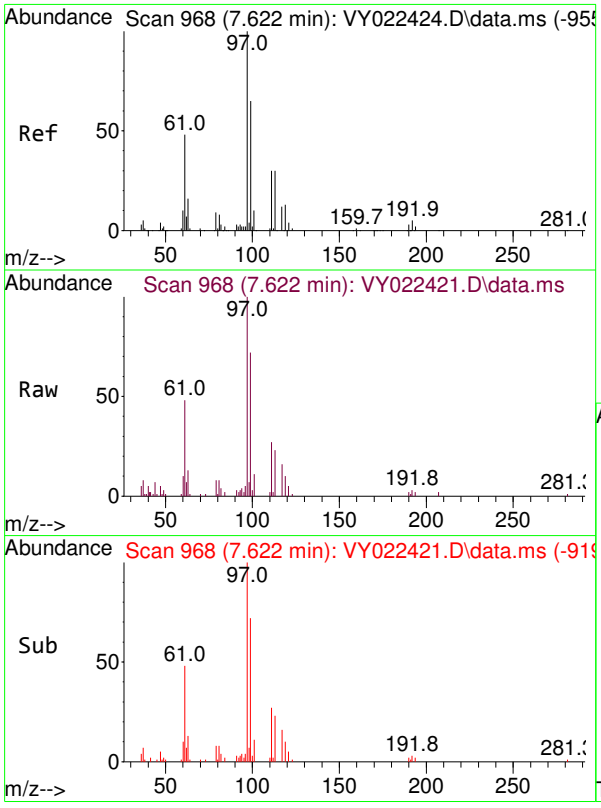
Ion	Ratio	Lower	Upper
56	100		
69	52.5	24.6	36.8
84	98.3	70.4	105.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

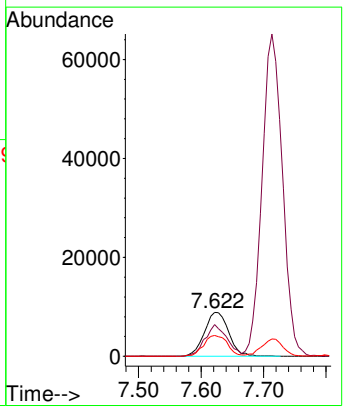


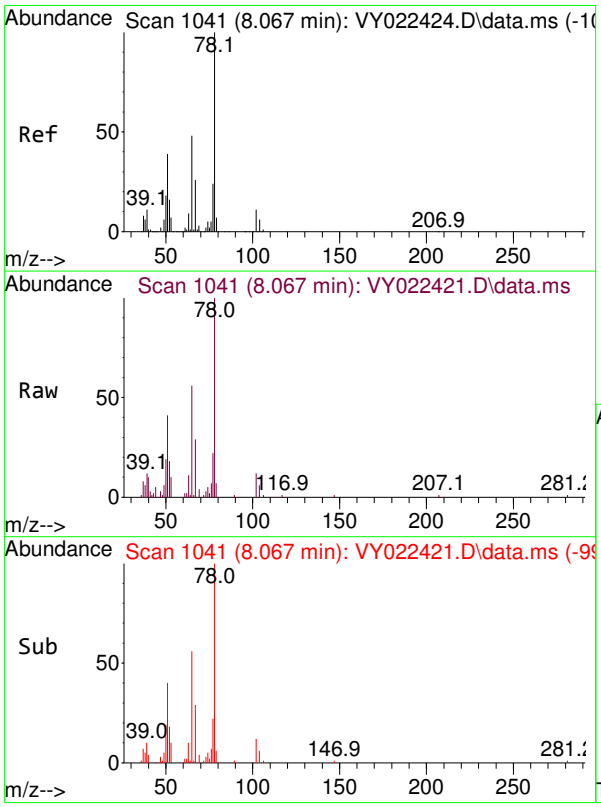


#32
1,1,1-Trichloroethane
Concen: 4.896 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 97 Resp: 23999

Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.3	76.9
61	47.1	37.3	55.9





#33
1,2-Dichloroethane-d4
Concen: 4.811 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 65 Resp: 1351

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	104.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Amit Patel 05/28/2025
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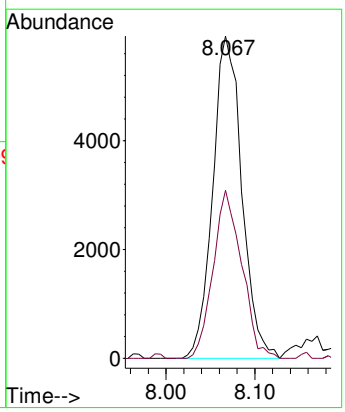
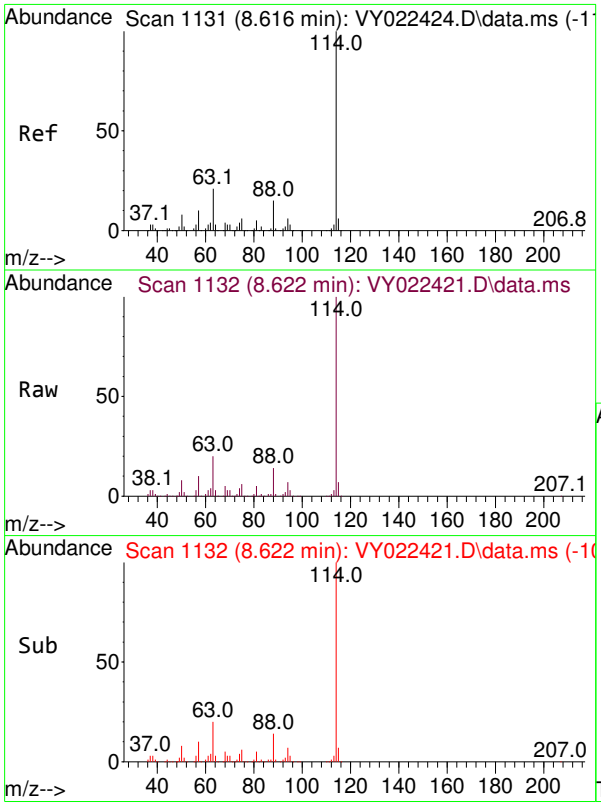
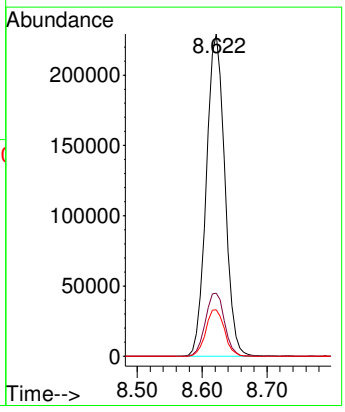


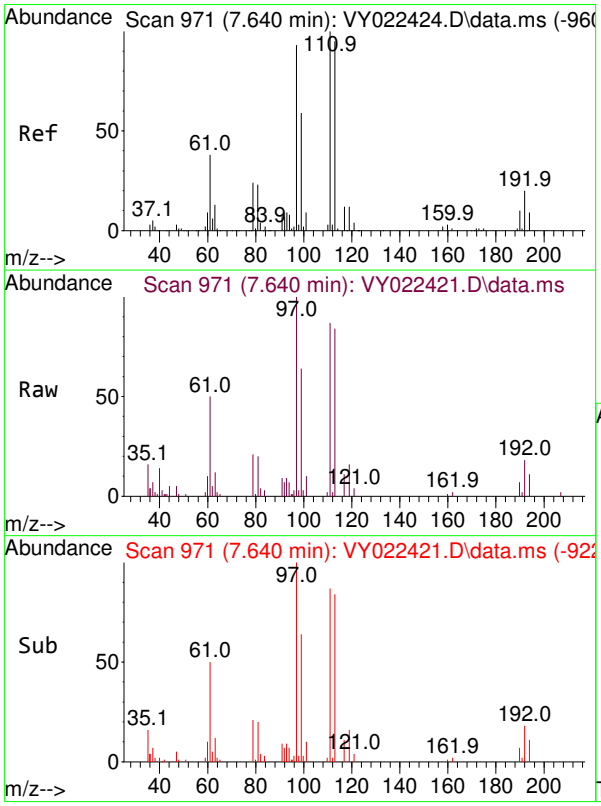


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:114 Resp: 453411

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	42.6
88	14.4	0.0	29.4





#35
Dibromofluoromethane
Concen: 4.898 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

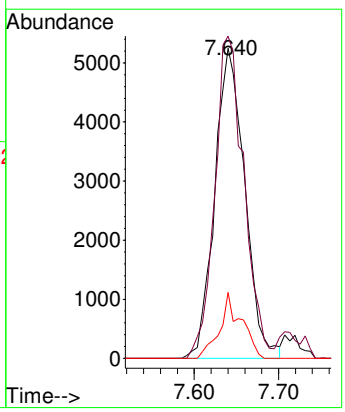
Tgt Ion:113 Resp: 1300

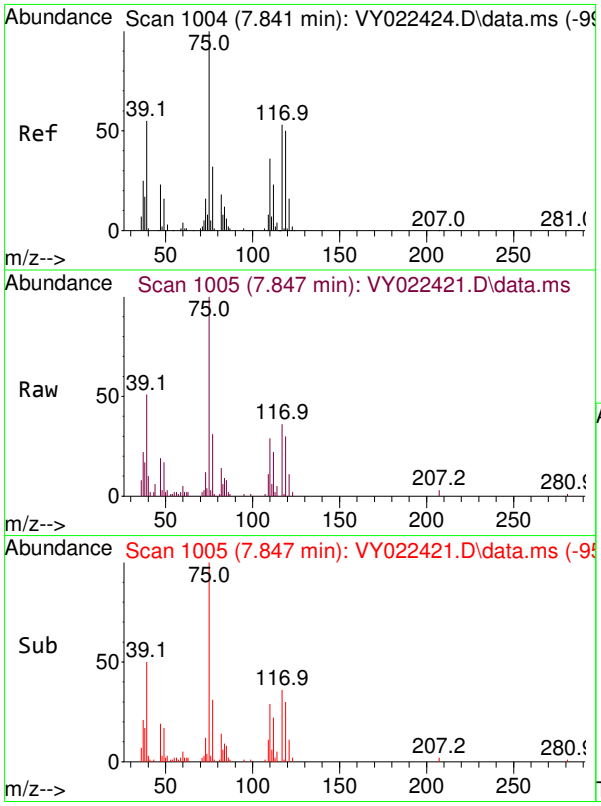
Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.4	123.6
192	15.3	15.2	22.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

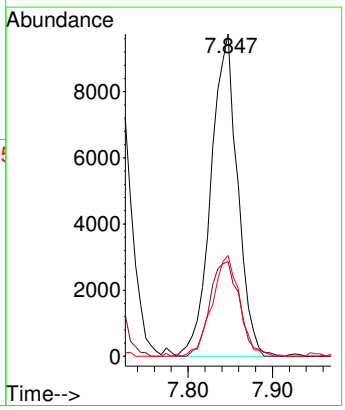


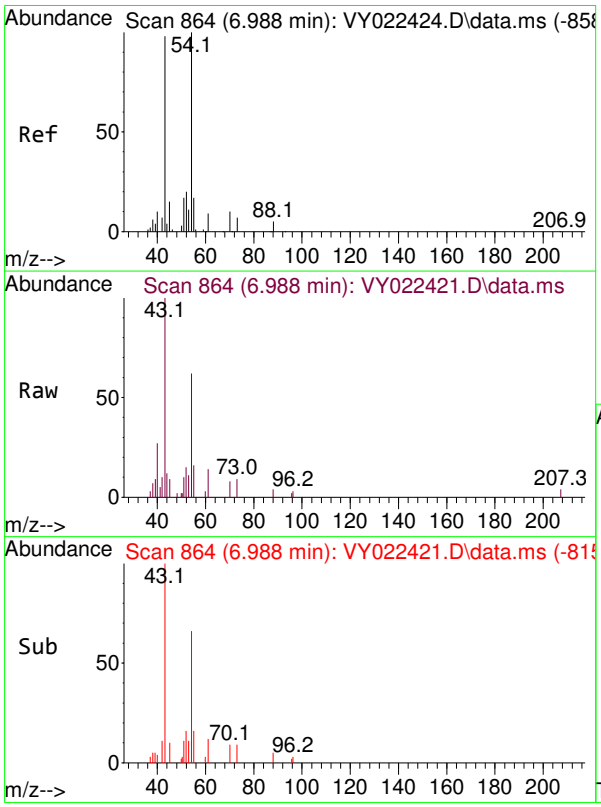


#36
1,1-Dichloropropene
Concen: 5.079 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 75 Resp: 21399

Ion	Ratio	Lower	Upper
75	100		
110	32.6	17.1	51.2
77	32.5	25.1	37.7





#37
Ethyl Acetate
Concen: 5.000 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 43 Resp: 895

Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.7	17.5
70	11.4	7.8	11.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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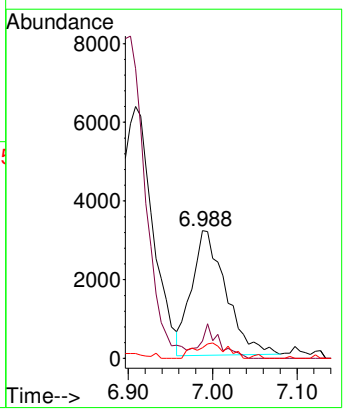
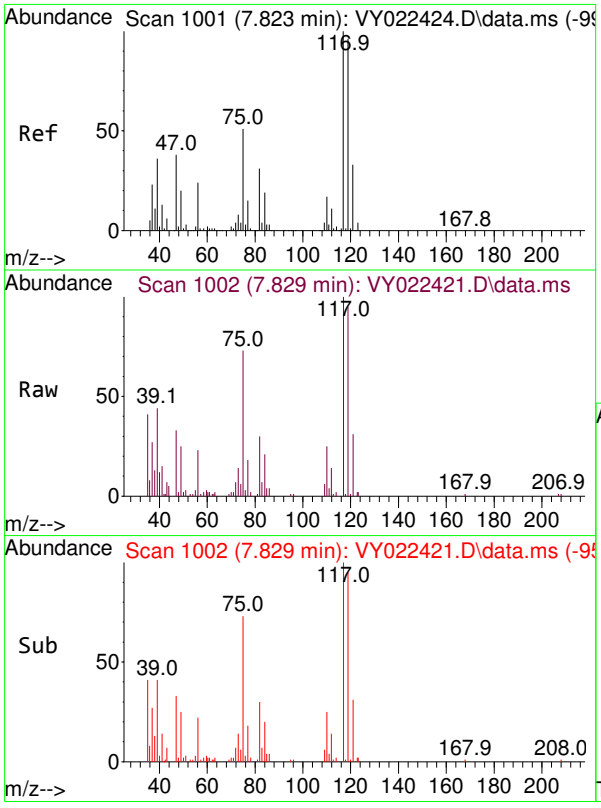
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

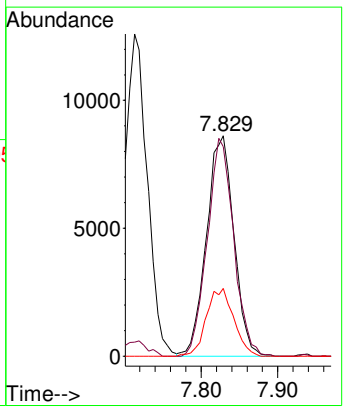


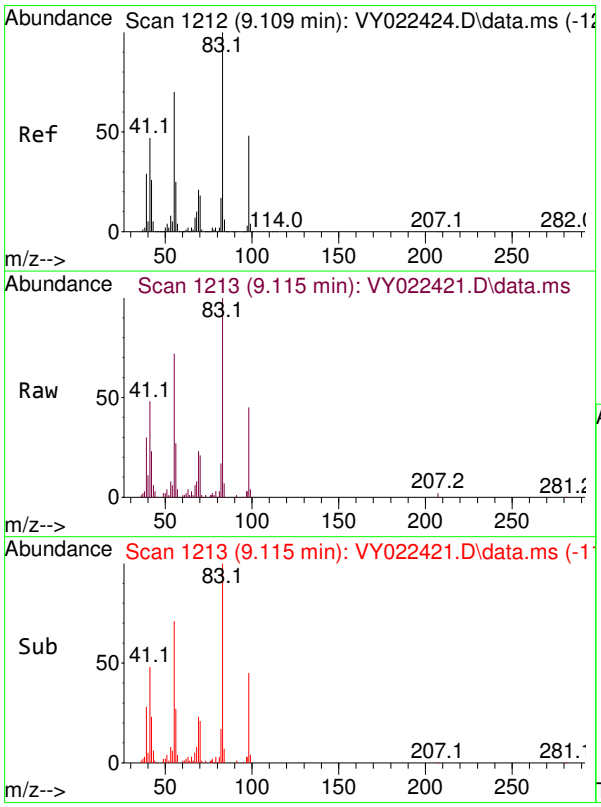


#38
Carbon Tetrachloride
Concen: 4.888 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:117 Resp: 21453

Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.3	114.5
121	30.8	26.1	39.1





#39
Methylcyclohexane
Concen: 4.948 ug/l
RT: 9.115 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 83 Resp: 2771

Ion	Ratio	Lower	Upper
83	100		
55	71.0	56.2	84.2
98	45.1	38.4	57.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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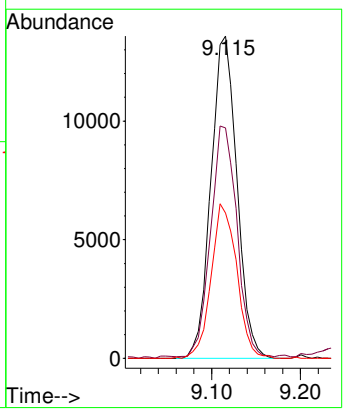
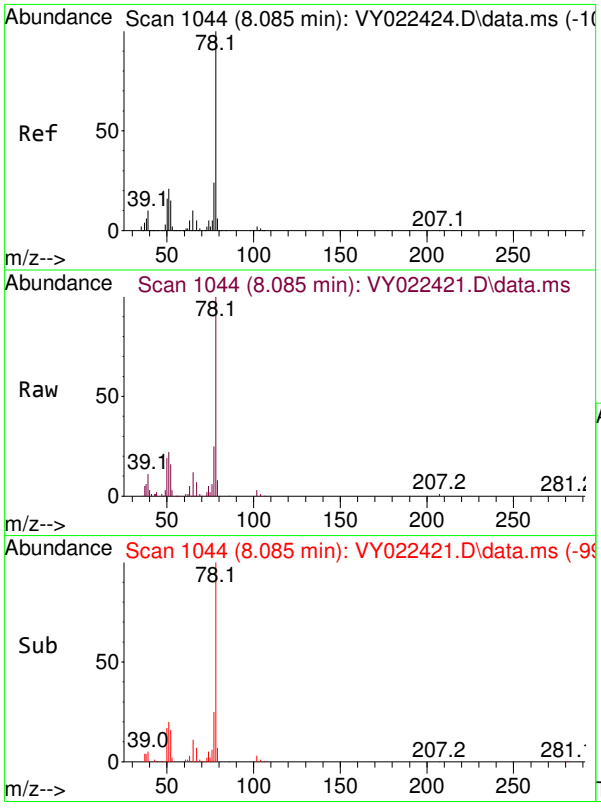
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

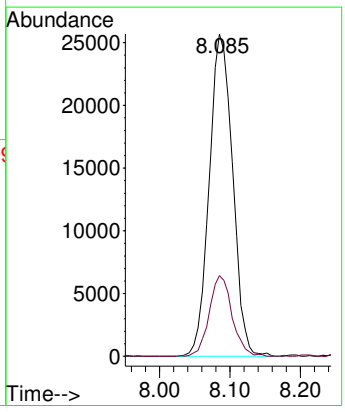


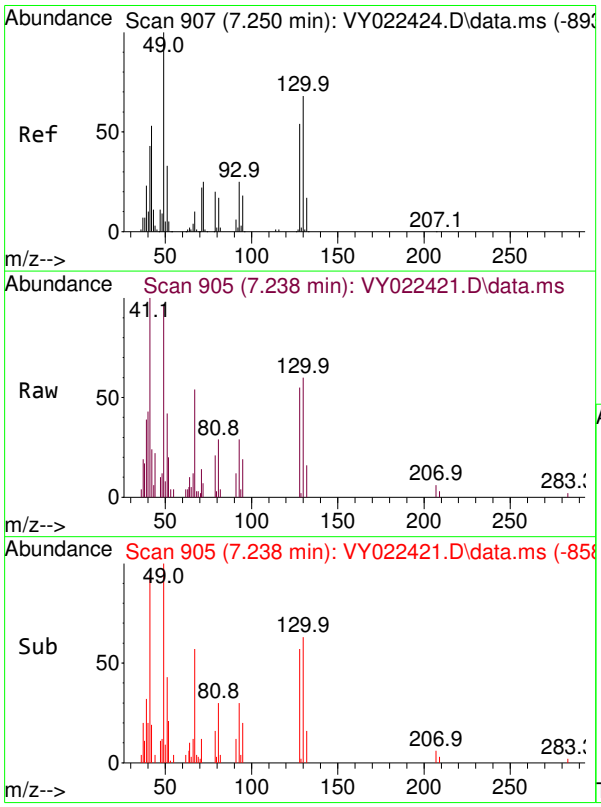


#40
Benzene
Concen: 4.732 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 78 Resp: 59324

Ion	Ratio	Lower	Upper
78	100		
77	25.1	19.4	29.2

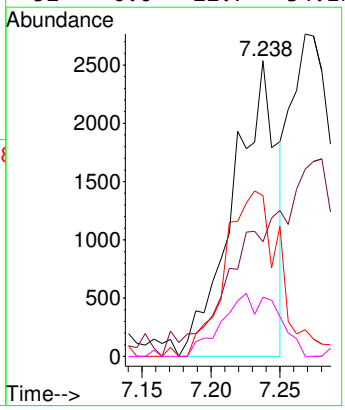




#41
Methacrylonitrile
Concen: 2.353 ug/l m
RT: 7.238 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 41 Resp: 554

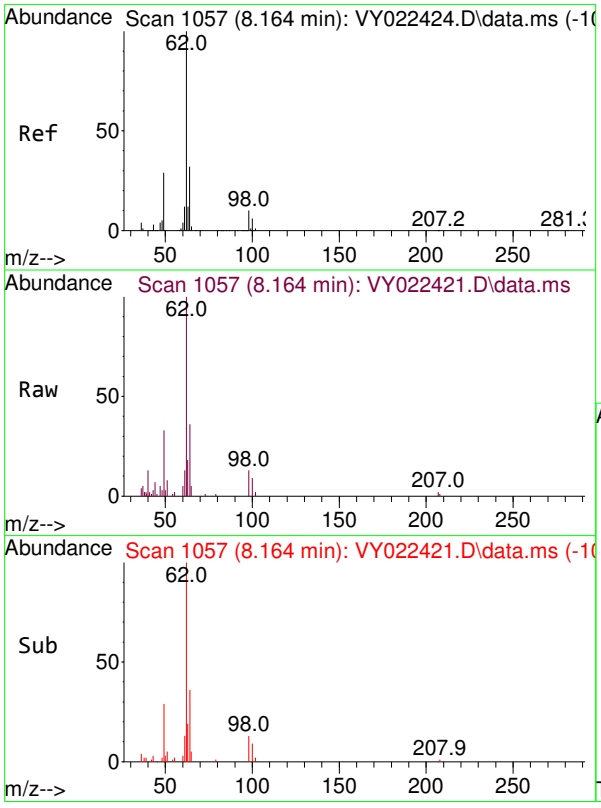
Ion	Ratio	Lower	Upper
41	100		
39	0.0	40.4	60.6
67	0.0	53.0	79.4
52	0.0	22.7	34.1#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

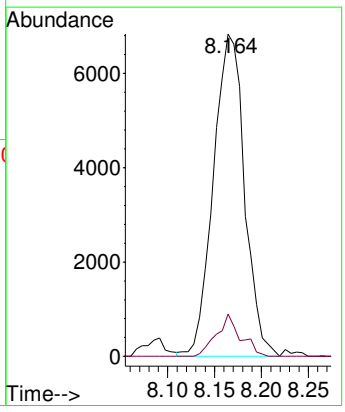
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

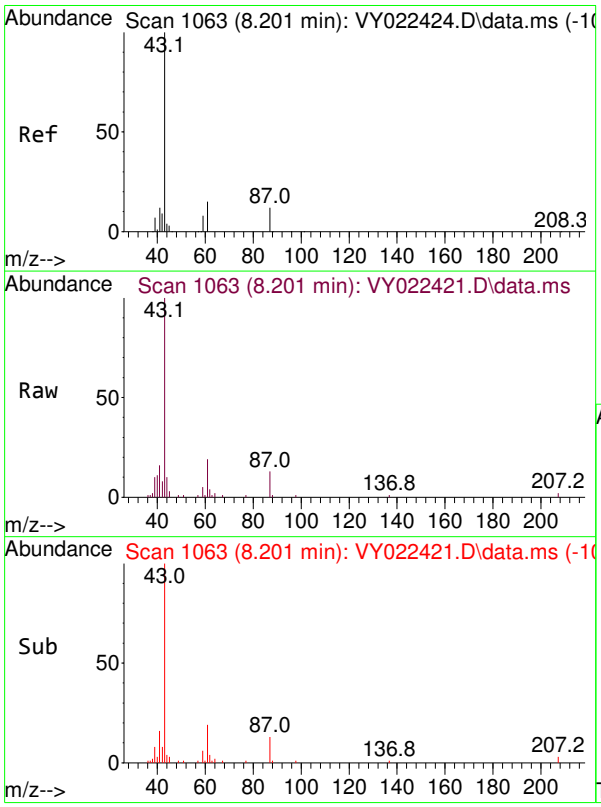


#42
1,2-Dichloroethane
Concen: 4.764 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 62 Resp: 15776

Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	18.4





#43
Isopropyl Acetate
Concen: 4.662 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 43 Resp: 1824

Ion	Ratio	Lower	Upper
43	100		
61	20.5	15.4	23.0
87	13.3	10.6	15.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
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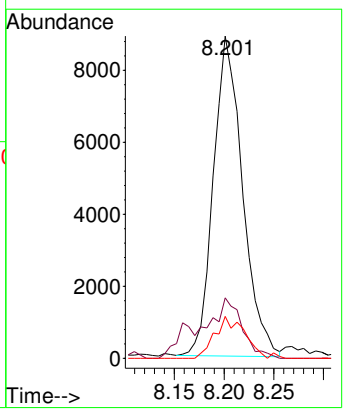
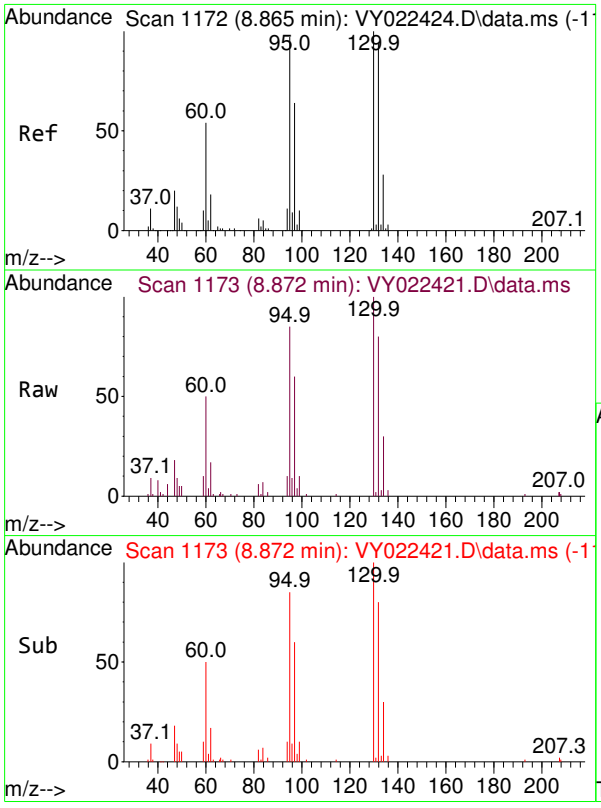
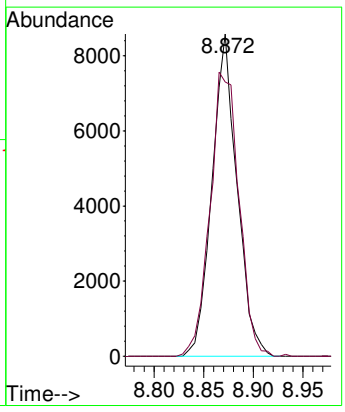


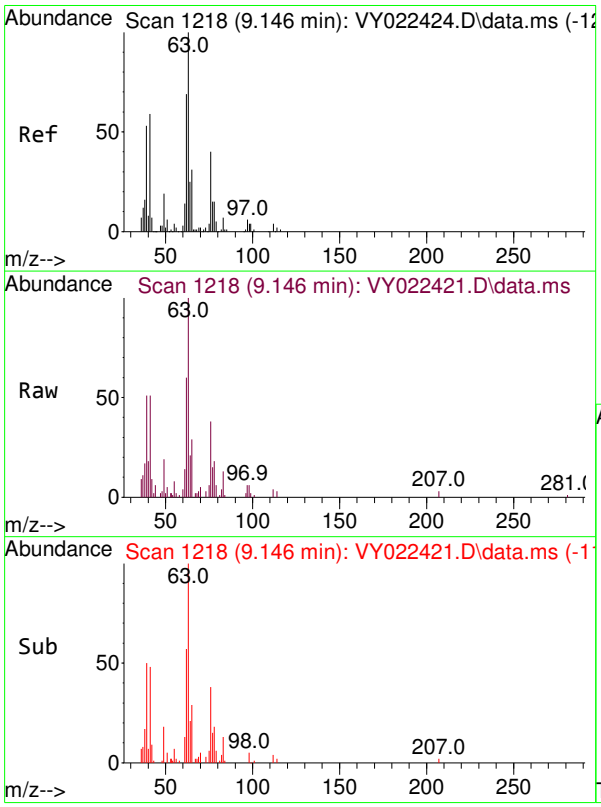


#44
Trichloroethene
Concen: 4.882 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:130 Resp: 15132

Ion	Ratio	Lower	Upper
130	100		
95	85.1	0.0	194.8





#45
1,2-Dichloropropane
Concen: 4.935 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 63 Resp: 1453

Ion	Ratio	Lower	Upper
63	100		
65	28.6	25.1	37.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
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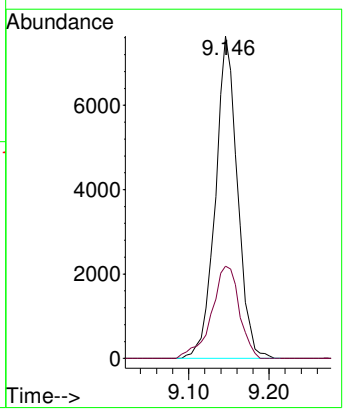
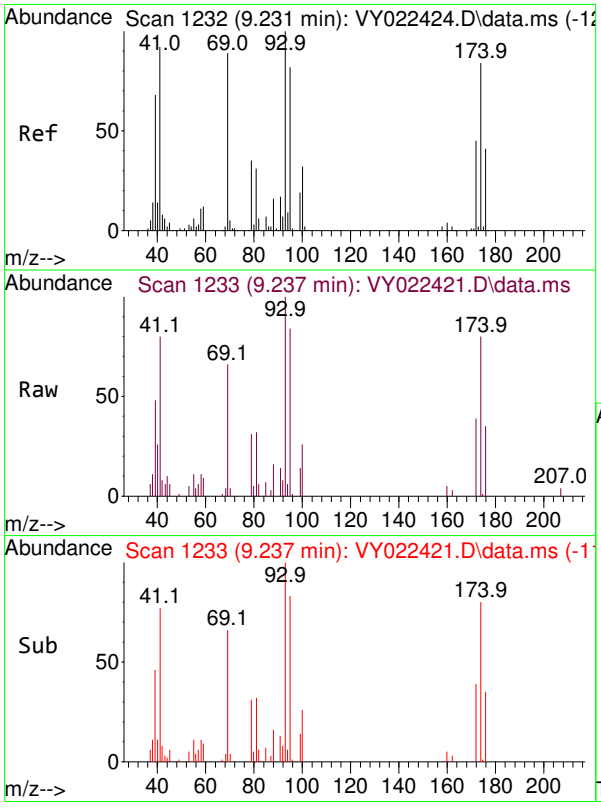
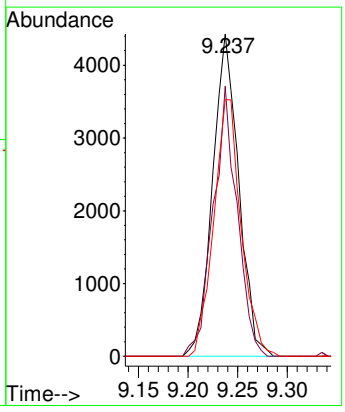


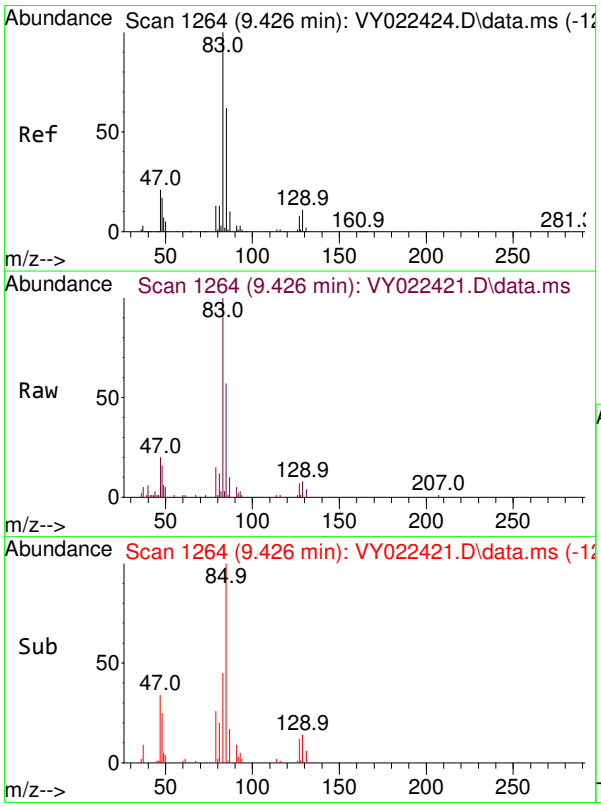


#46
Dibromomethane
Concen: 4.948 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 93 Resp: 8142

Ion	Ratio	Lower	Upper
93	100		
95	77.0	66.2	99.2
174	83.4	71.1	106.7

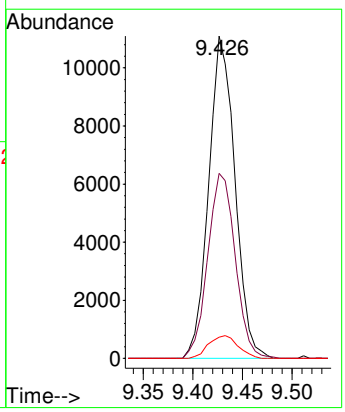




#47
Bromodichloromethane
Concen: 4.839 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 83 Resp: 2047

Ion	Ratio	Lower	Upper
83	100		
85	57.4	49.8	74.6
127	6.6	6.6	9.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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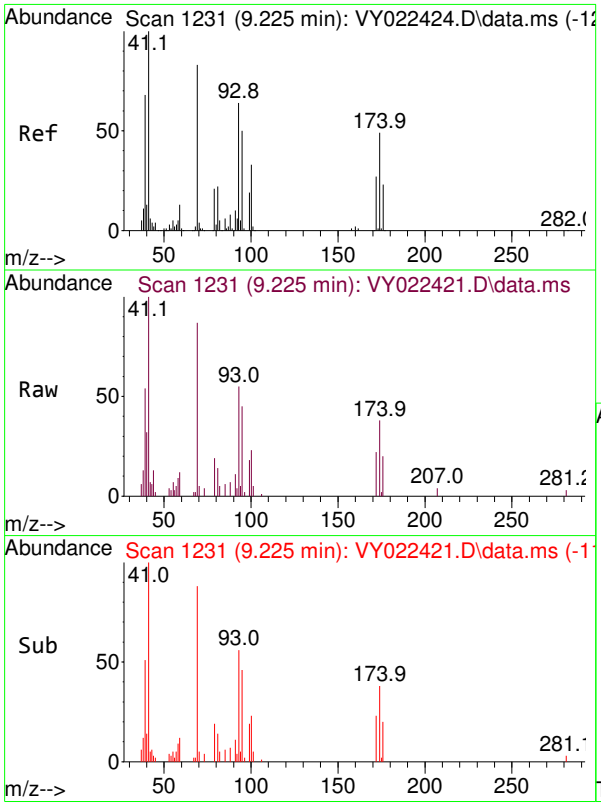
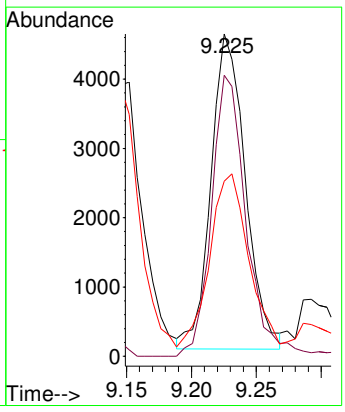
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

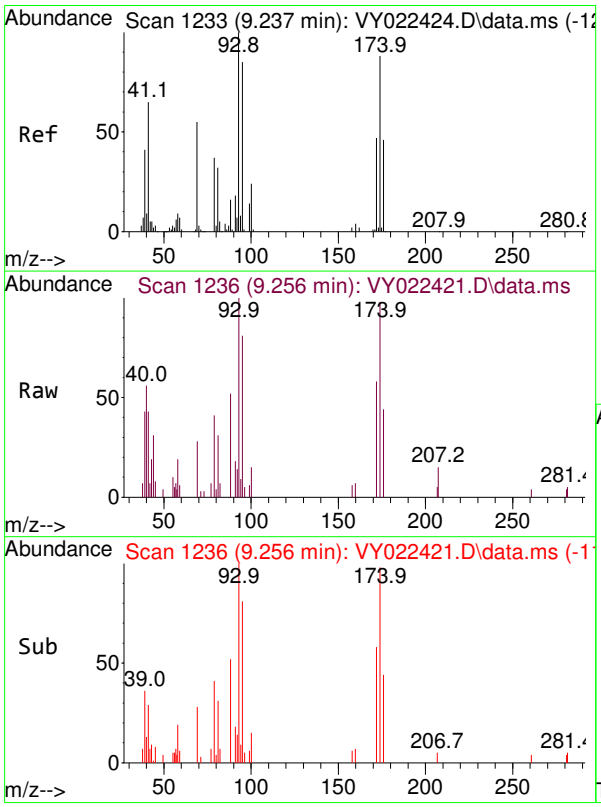


#48
Methyl methacrylate
Concen: 4.619 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 41 Resp: 8390

Ion	Ratio	Lower	Upper
41	100		
69	89.2	70.3	105.5
39	61.6	55.4	83.0





#49
1,4-Dioxane
Concen: 94.135 ug/l
RT: 9.256 min Scan# 1
Delta R.T. 0.018 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

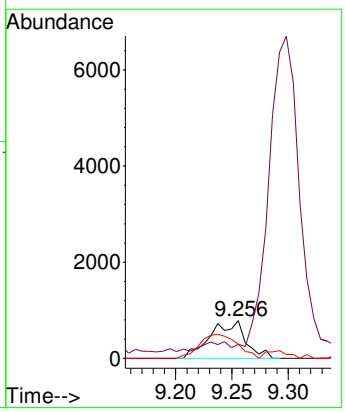
Tgt Ion: 88 Resp: 171

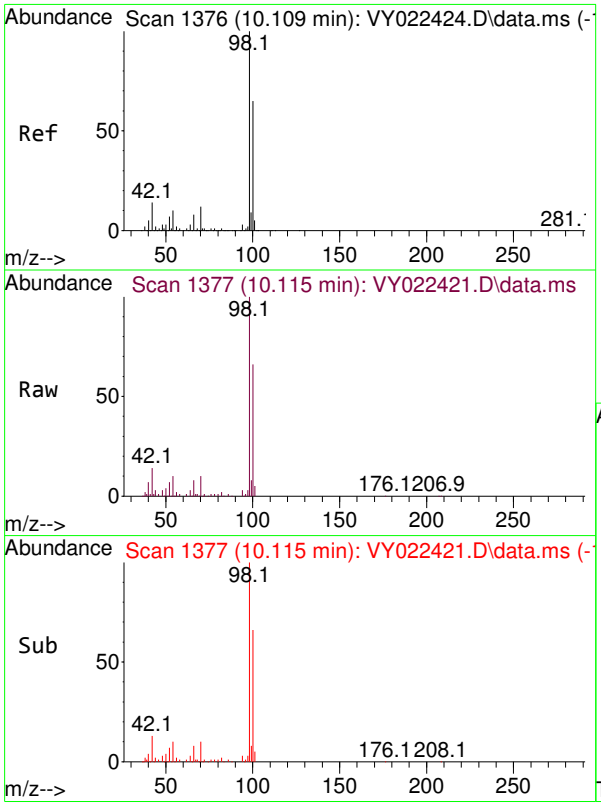
Ion	Ratio	Lower	Upper
88	100		
43	0.0	26.9	40.3
58	68.2	55.8	83.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

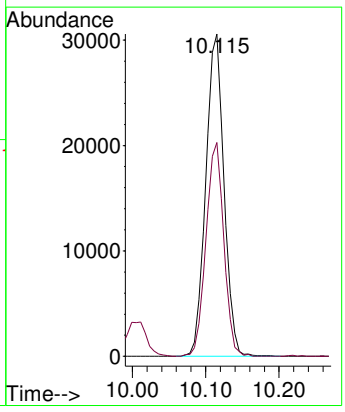


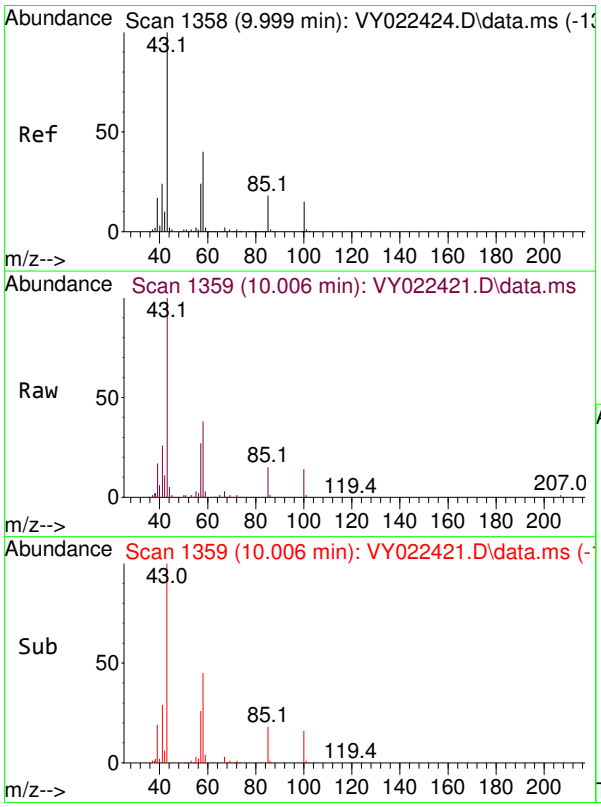


#50
Toluene-d8
Concen: 4.856 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 98 Resp: 52564

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.2	78.2





#51
4-Methyl-2-Pentanone
Concen: 21.778 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 43 Resp: 4204

Ion	Ratio	Lower	Upper
43	100		
58	36.1	31.2	46.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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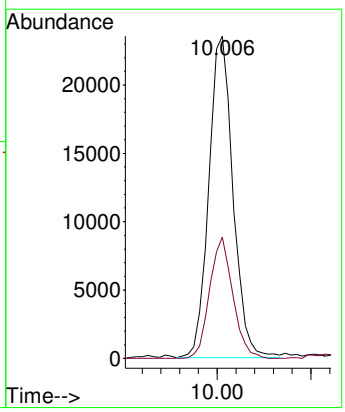
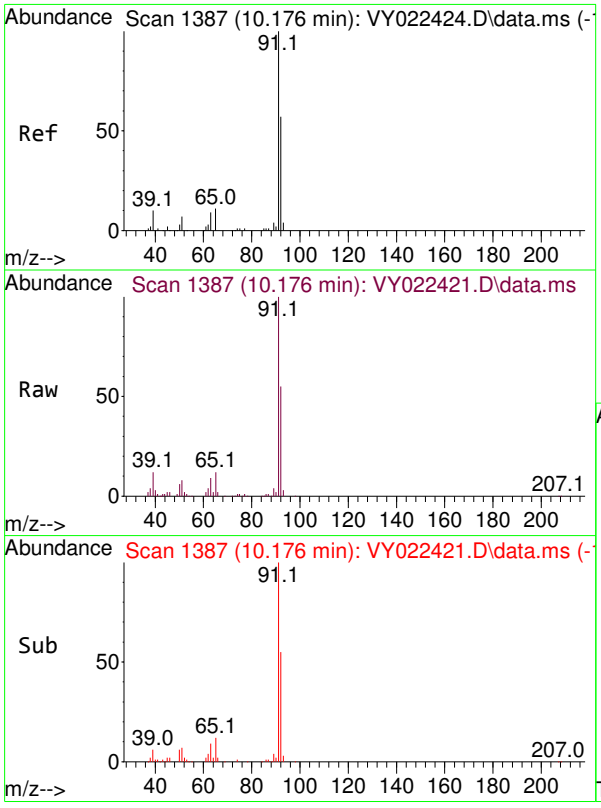
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

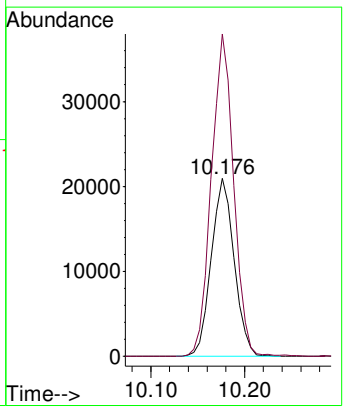


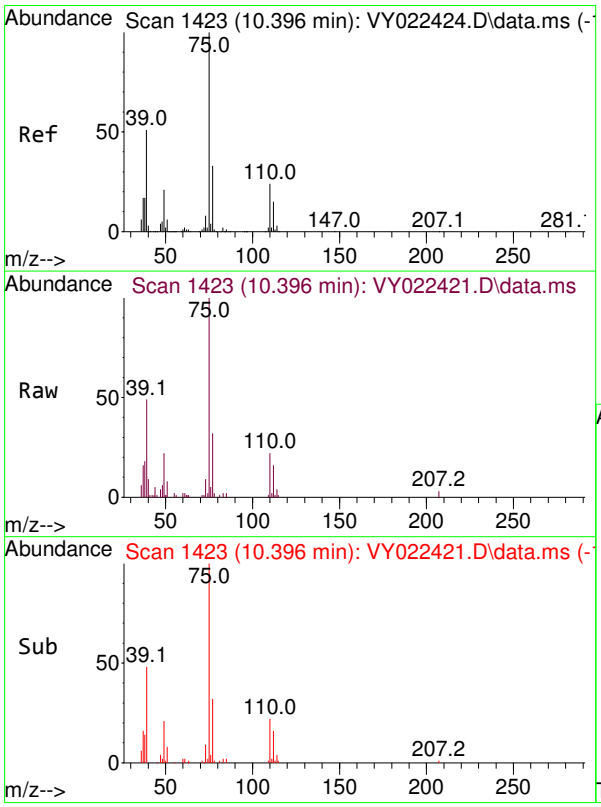


#52
Toluene
Concen: 4.527 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 92 Resp: 35452

Ion	Ratio	Lower	Upper
92	100		
91	176.7	139.8	209.6





#53
t-1,3-Dichloropropene
Concen: 4.596 ug/l
RT: 10.396 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 75 Resp: 1811

Ion	Ratio	Lower	Upper
75	100		
77	32.4	26.2	39.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Amit Patel 05/28/2025
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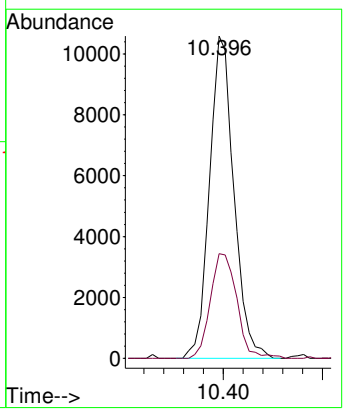
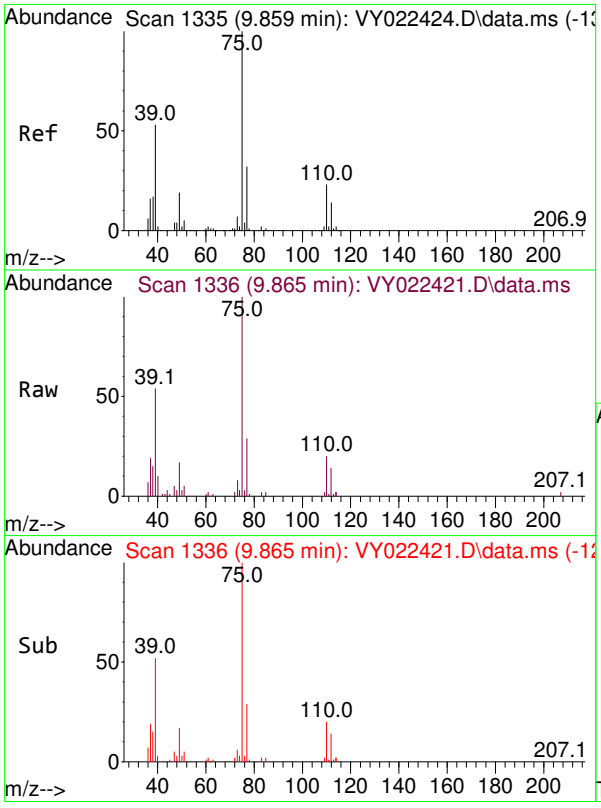
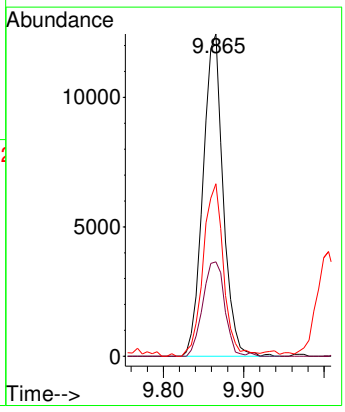


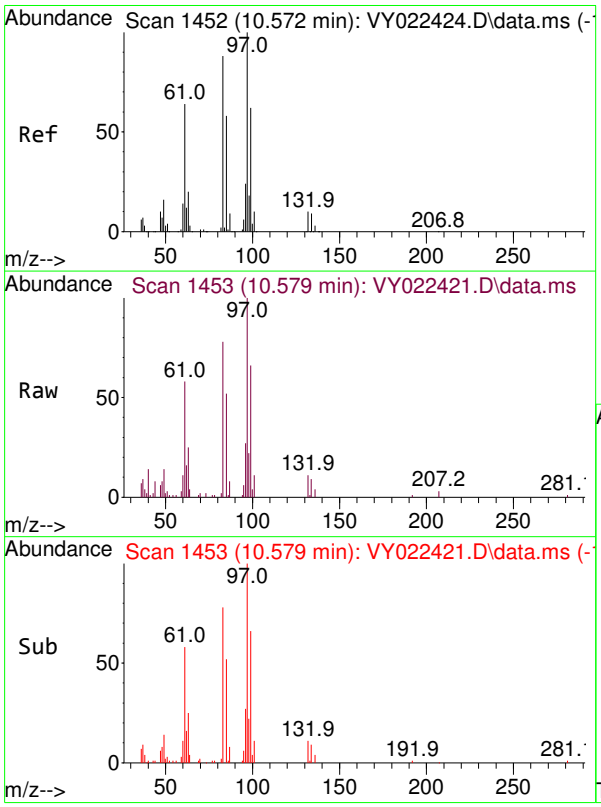


#54
cis-1,3-Dichloropropene
Concen: 4.671 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 75 Resp: 21634

Ion	Ratio	Lower	Upper
75	100		
77	29.3	25.4	38.2
39	53.5	42.5	63.7

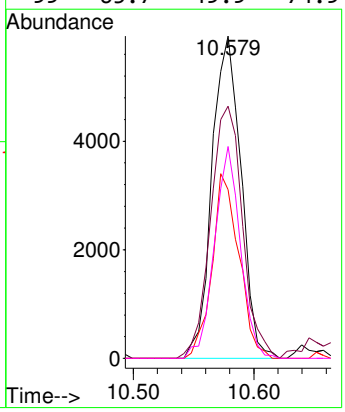




#55
1,1,2-Trichloroethane
Concen: 4.765 ug/l
RT: 10.579 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 97 Resp: 991

Ion	Ratio	Lower	Upper
97	100		
83	78.2	70.2	105.4
85	52.3	46.1	69.1
99	65.7	49.9	74.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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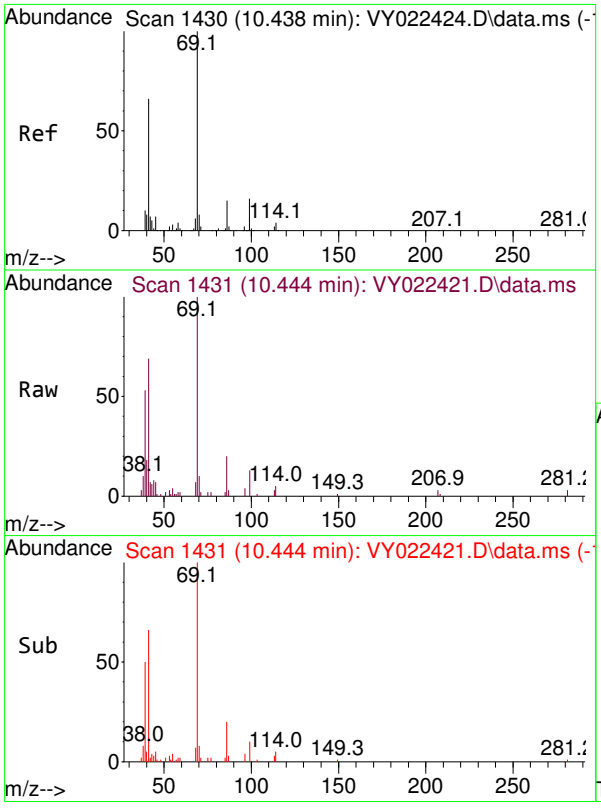
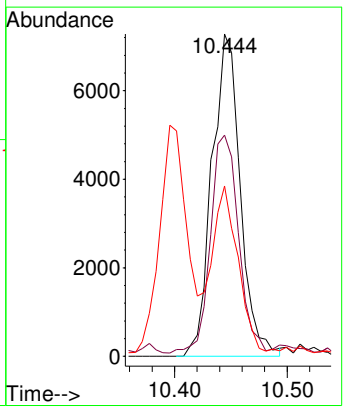
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

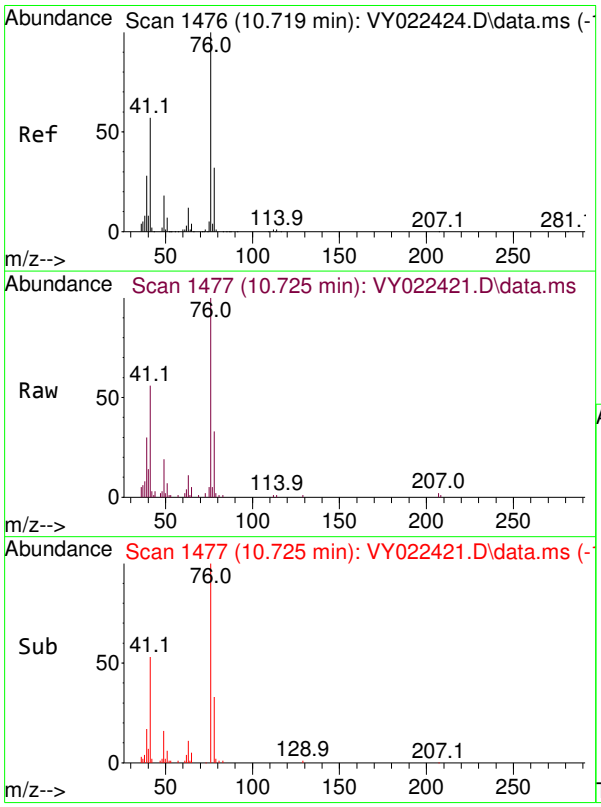


#56
Ethyl methacrylate
Concen: 4.258 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 69 Resp: 12714

Ion	Ratio	Lower	Upper
69	100		
41	68.6	51.2	76.8
39	48.3	35.2	52.8





#57
1,3-Dichloropropane
Concen: 4.689 ug/l
RT: 10.725 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 76 Resp: 1719

Ion	Ratio	Lower	Upper
76	100		
78	36.6	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Amit Patel 05/28/2025
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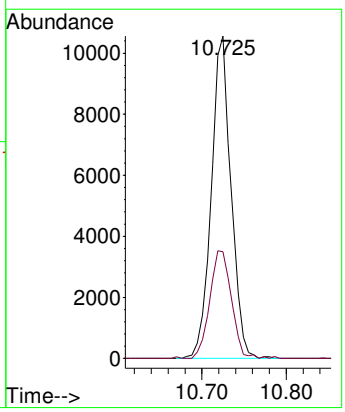
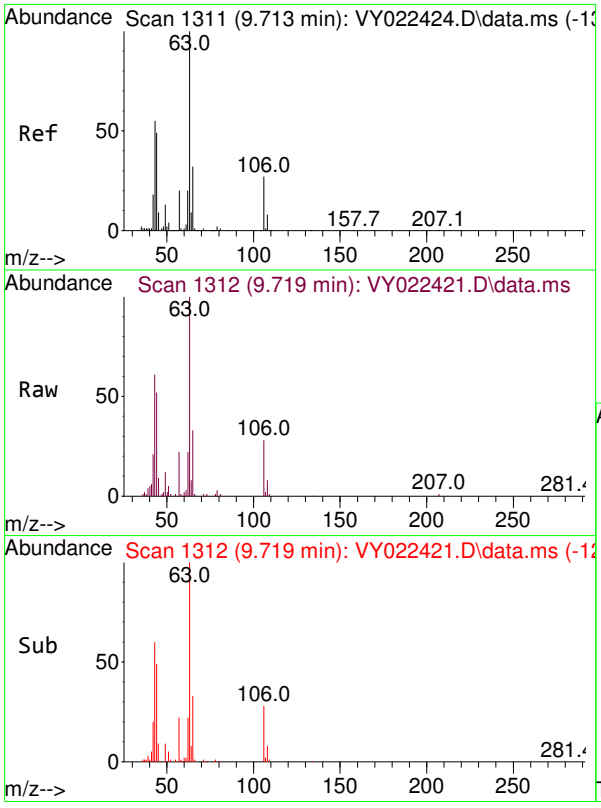
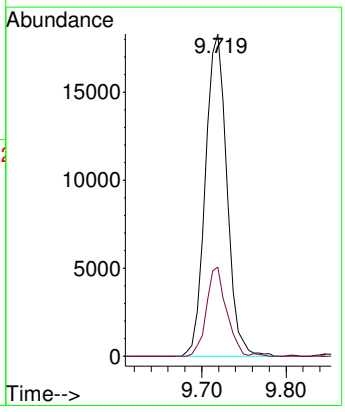


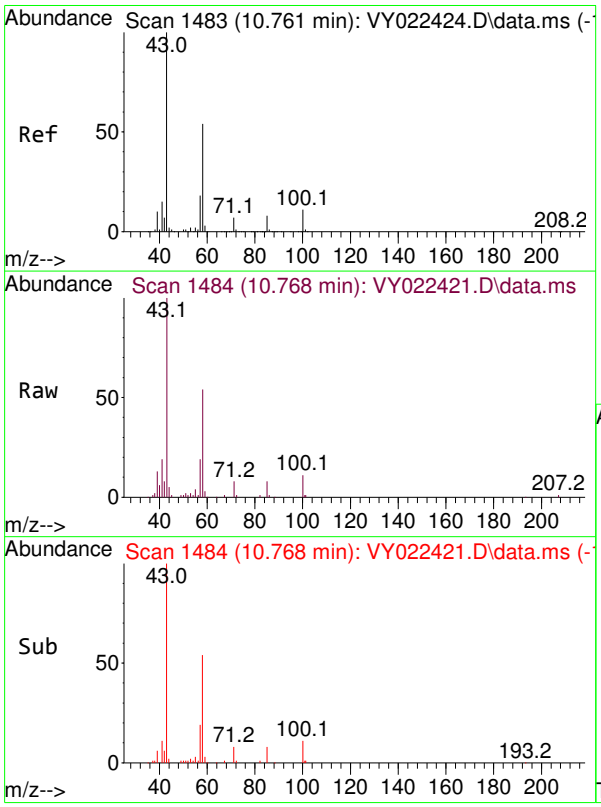


#58
2-Chloroethyl Vinyl ether
Concen: 21.845 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 63 Resp: 32506

Ion	Ratio	Lower	Upper
63	100		
106	25.7	22.2	33.2





#59
2-Hexanone
Concen: 21.739 ug/l
RT: 10.768 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 43 Resp: 2750

Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.1	81.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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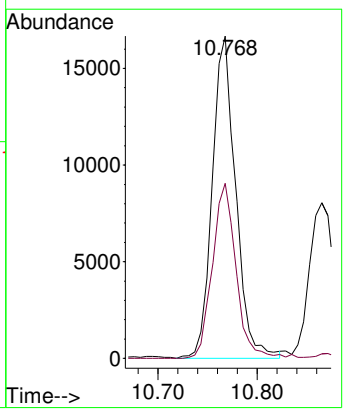
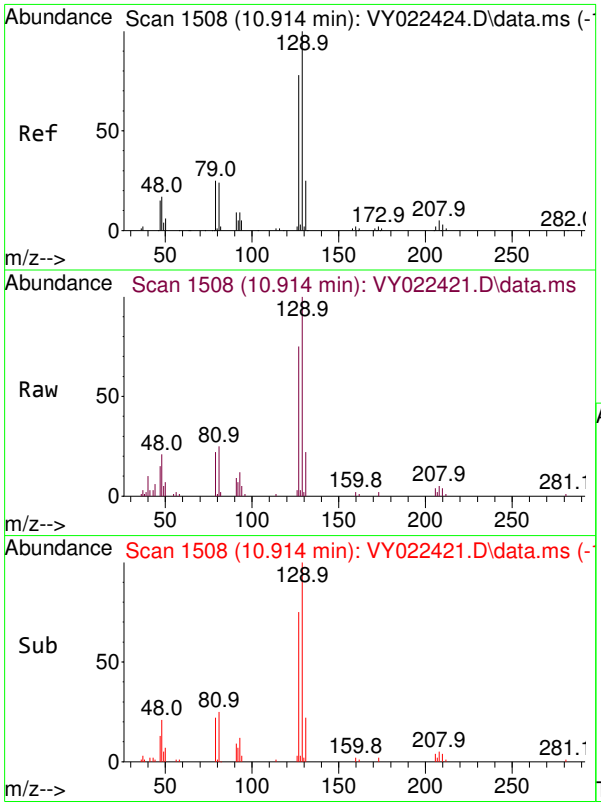
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

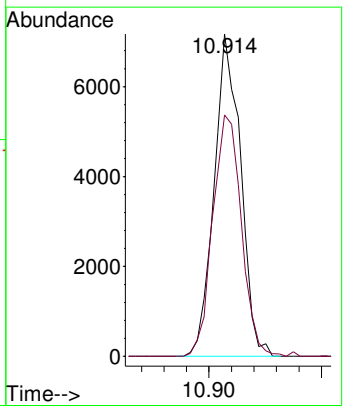


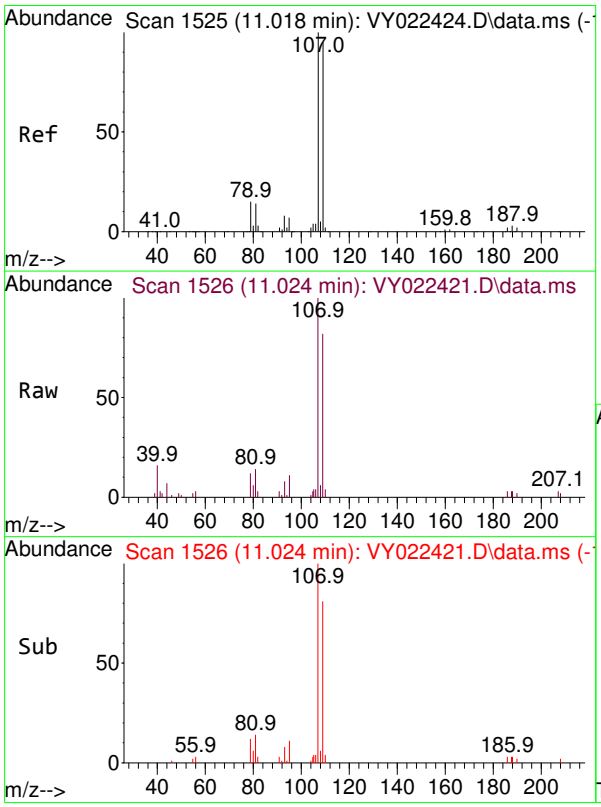


#60
Dibromochloromethane
Concen: 4.405 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:129 Resp: 11708

Ion	Ratio	Lower	Upper
129	100		
127	81.0	38.3	114.8





#61
1,2-Dibromoethane
Concen: 4.739 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:107 Resp: 901

Ion	Ratio	Lower	Upper
107	100		
109	91.5	74.0	111.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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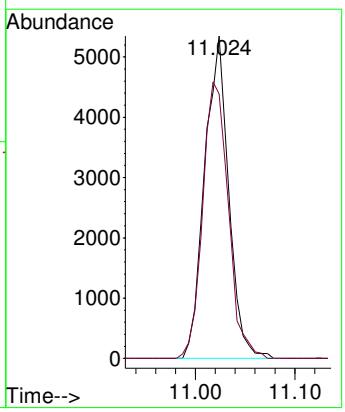
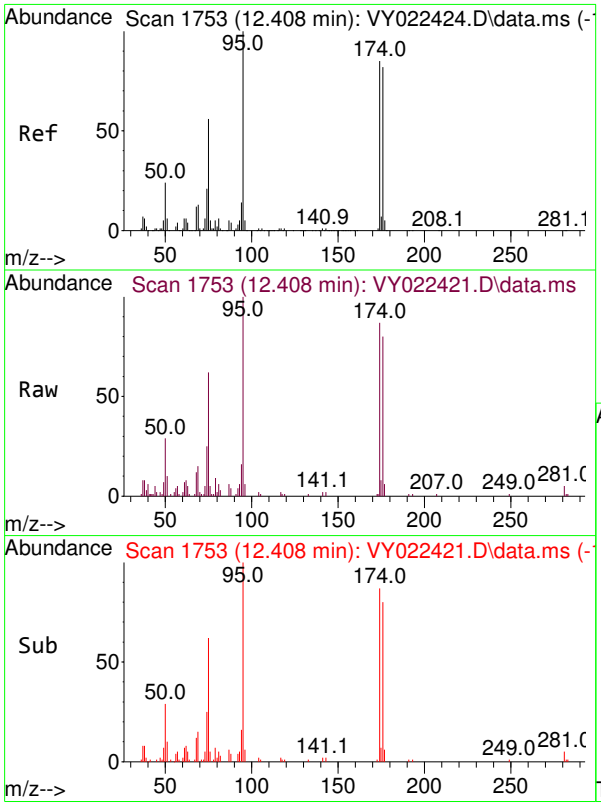
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

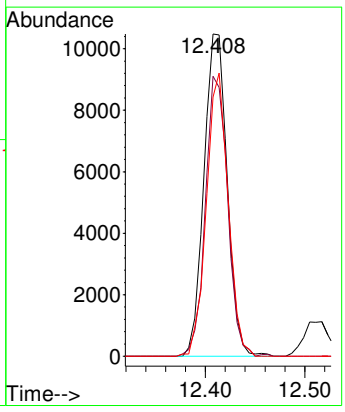


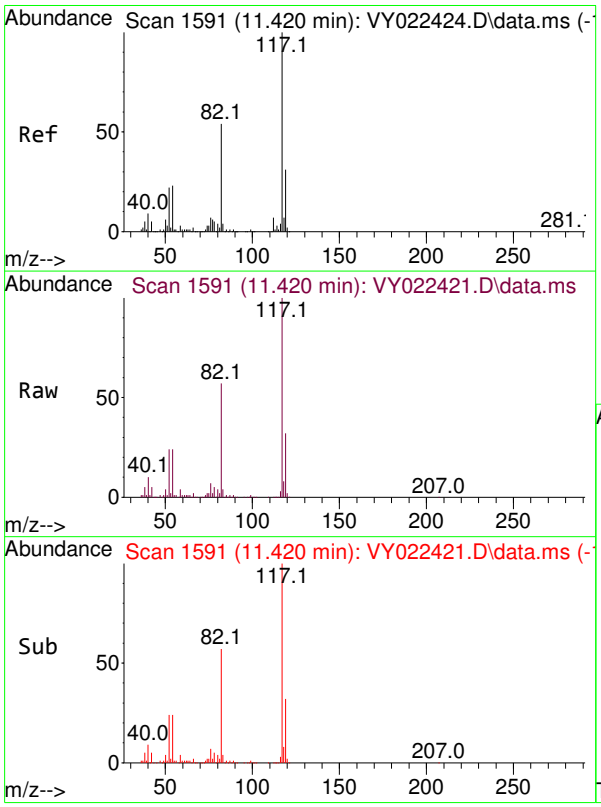


#62
4-Bromofluorobenzene
Concen: 5.226 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 95 Resp: 17111

Ion	Ratio	Lower	Upper
95	100		
174	83.1	0.0	171.6
176	82.2	0.0	164.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:117 Resp: 3662

Ion	Ratio	Lower	Upper
117	100		
82	57.2	43.3	64.9
119	31.6	24.5	36.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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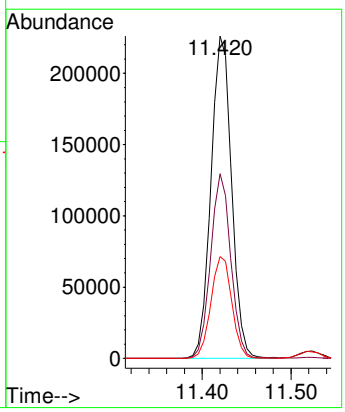
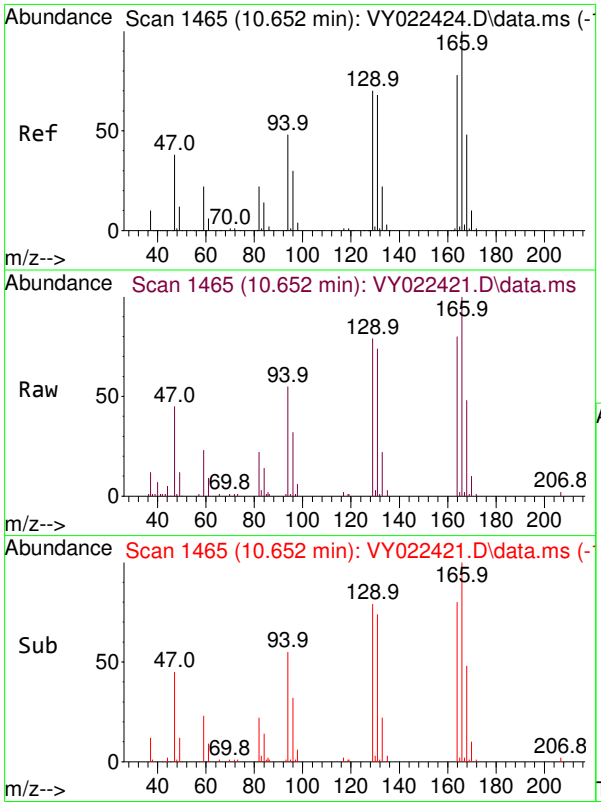
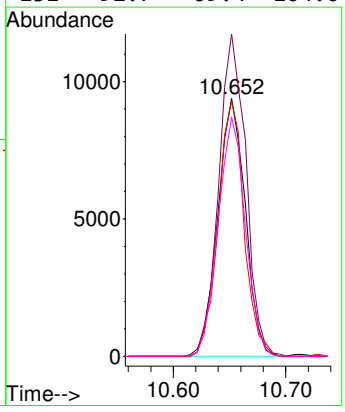


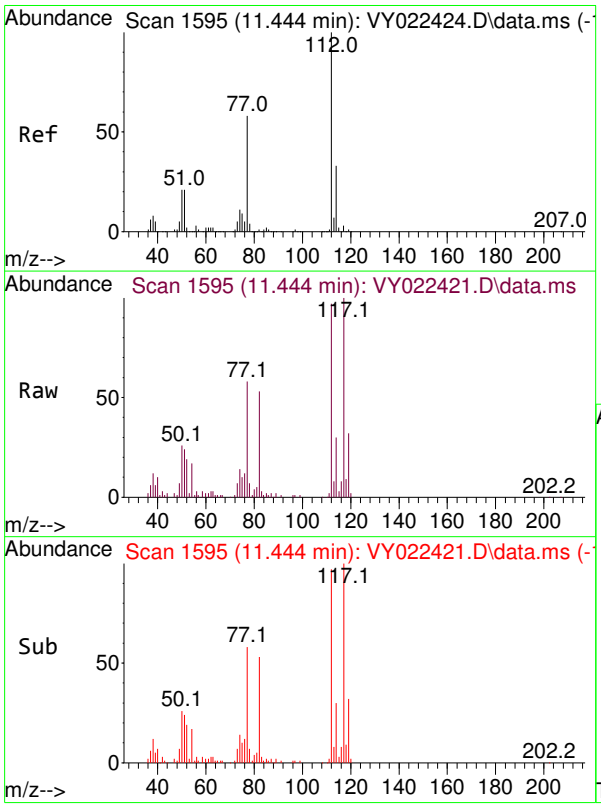


#64
Tetrachloroethene
Concen: 5.090 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:164 Resp: 15876

Ion	Ratio	Lower	Upper
164	100		
166	125.0	102.0	153.0
129	98.8	71.3	106.9
131	92.7	69.4	104.0





#65
Chlorobenzene
Concen: 4.785 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:112 Resp: 3736

Ion	Ratio	Lower	Upper
112	100		
114	31.2	26.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
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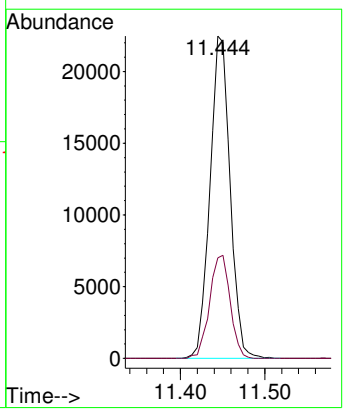
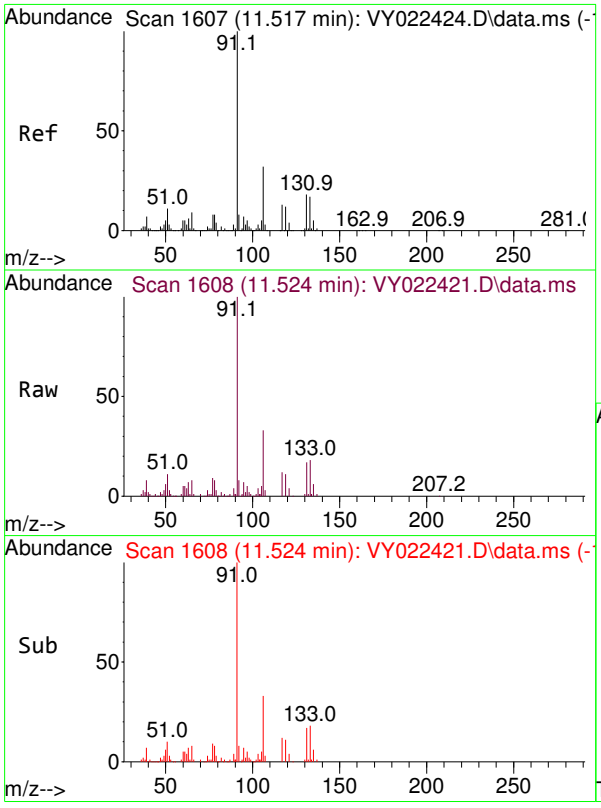
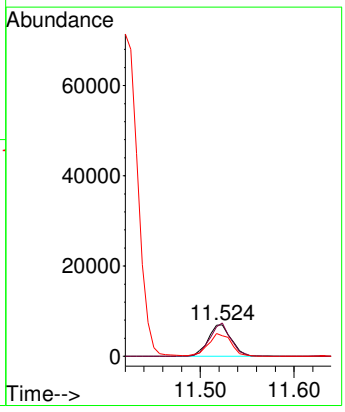


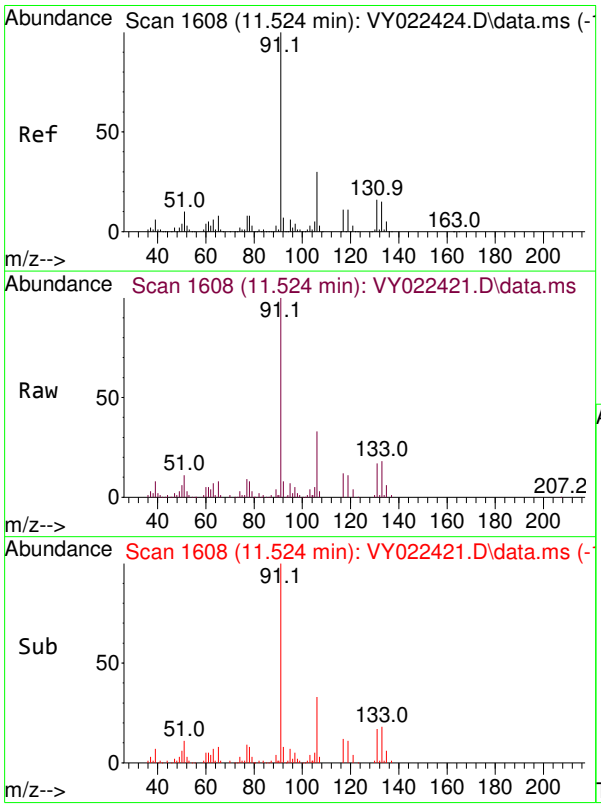


#66
1,1,1,2-Tetrachloroethane
Concen: 4.508 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:131 Resp: 11929

Ion	Ratio	Lower	Upper
131	100		
133	96.1	46.6	139.8
119	72.1	33.3	99.8





#67
Ethyl Benzene
Concen: 4.603 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 91 Resp: 6675

Ion	Ratio	Lower	Upper
91	100		
106	32.9	24.4	36.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
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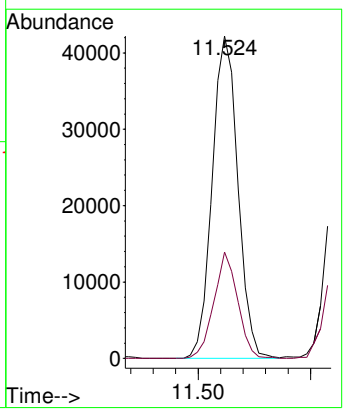
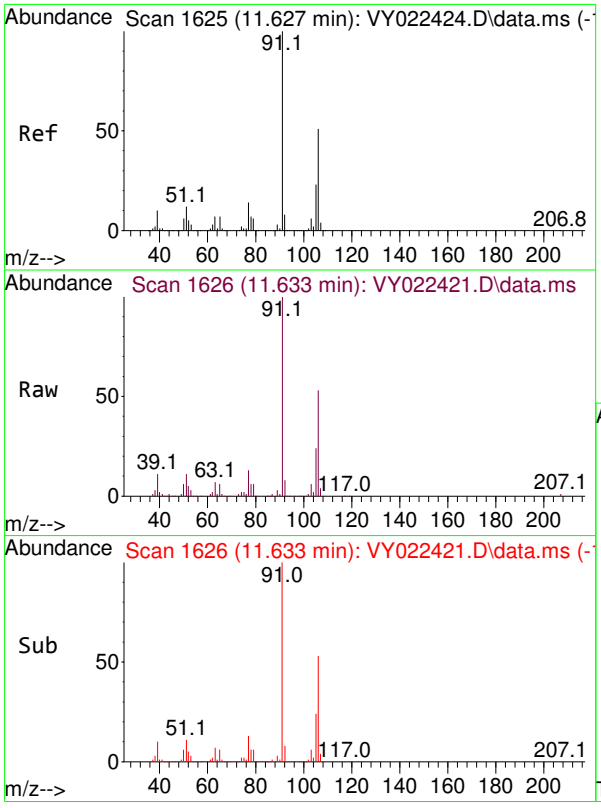
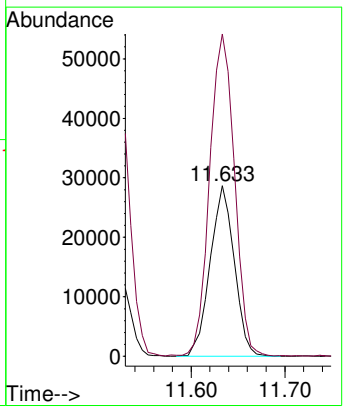


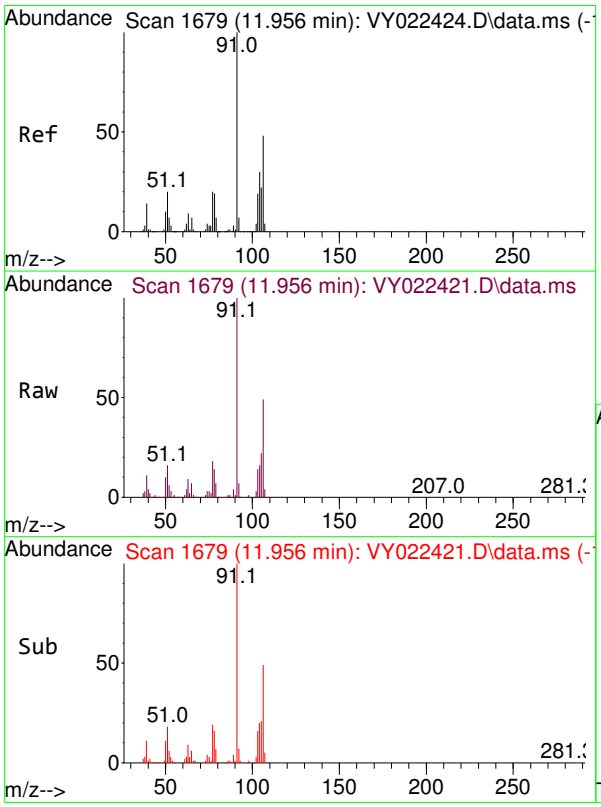


#68
m/p-Xylenes
Concen: 9.296 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:106 Resp: 51109

Ion	Ratio	Lower	Upper
106	100		
91	194.5	159.8	239.8





#69
o-Xylene
Concen: 4.633 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

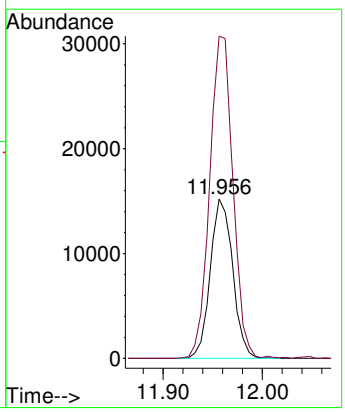
Tgt Ion:106 Resp: 2394

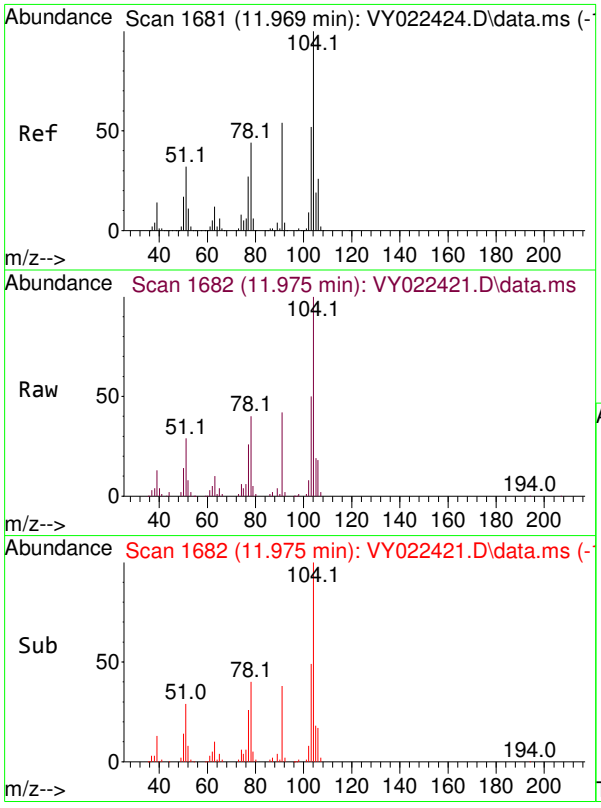
Ion	Ratio	Lower	Upper
106	100		
91	209.5	106.3	318.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

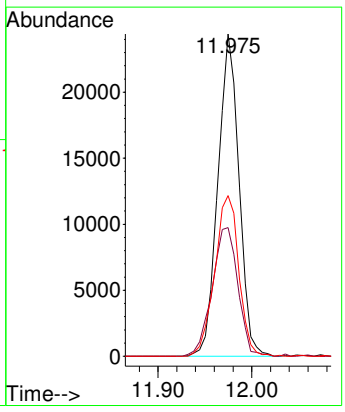


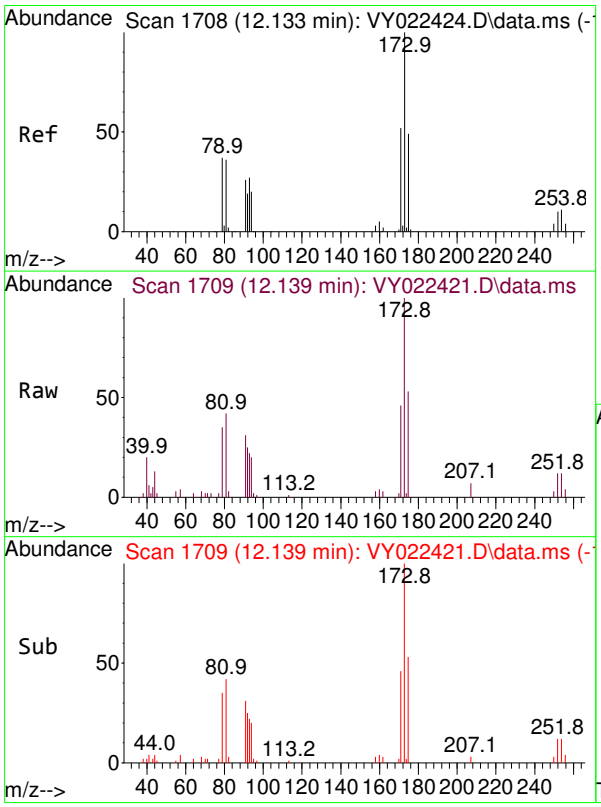


#70
Styrene
Concen: 4.414 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:104 Resp: 37982

Ion	Ratio	Lower	Upper
104	100		
78	48.9	38.8	58.2
103	57.0	43.4	65.2





#71
Bromoform
Concen: 4.459 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

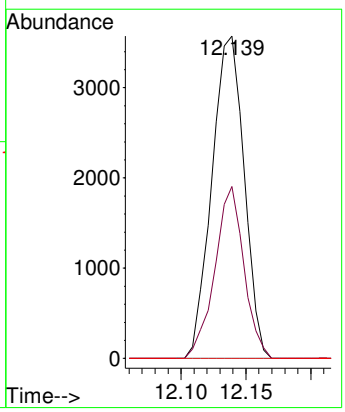
Tgt Ion:173 Resp: 618

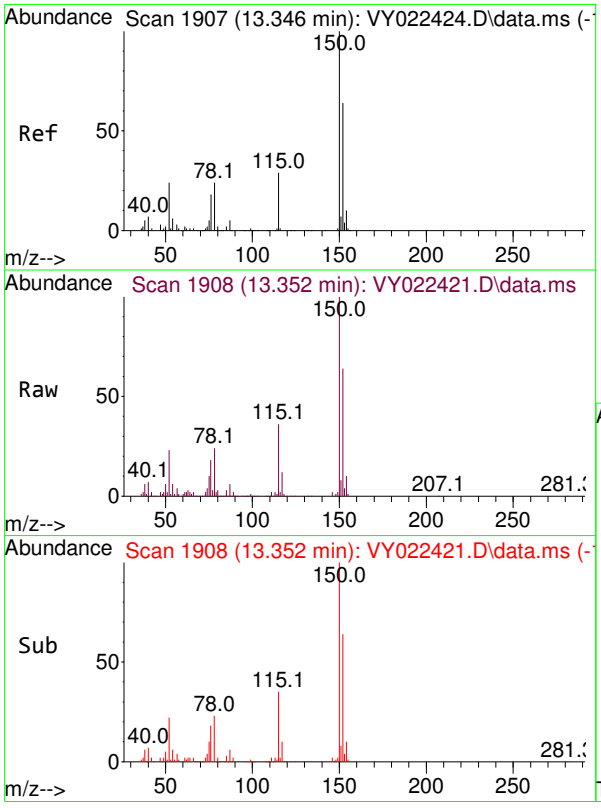
Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.3	73.0
254	0.0	0.1	0.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

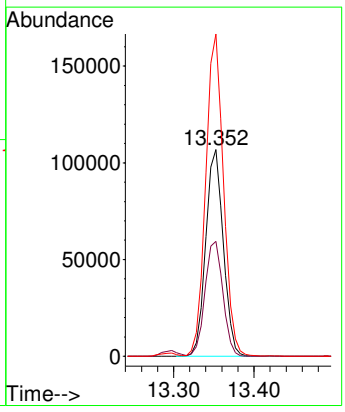


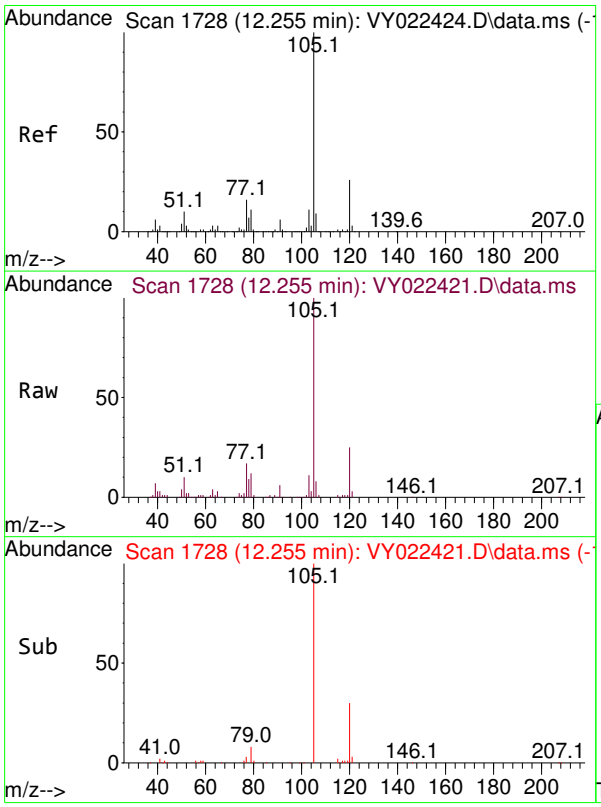


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:152 Resp: 162324

Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.4	85.3
150	157.7	0.0	345.8





#73
Isopropylbenzene
Concen: 4.908 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

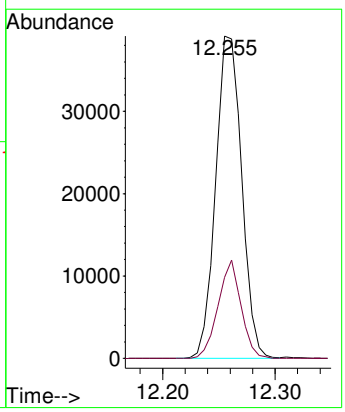
Tgt Ion:105 Resp: 6270

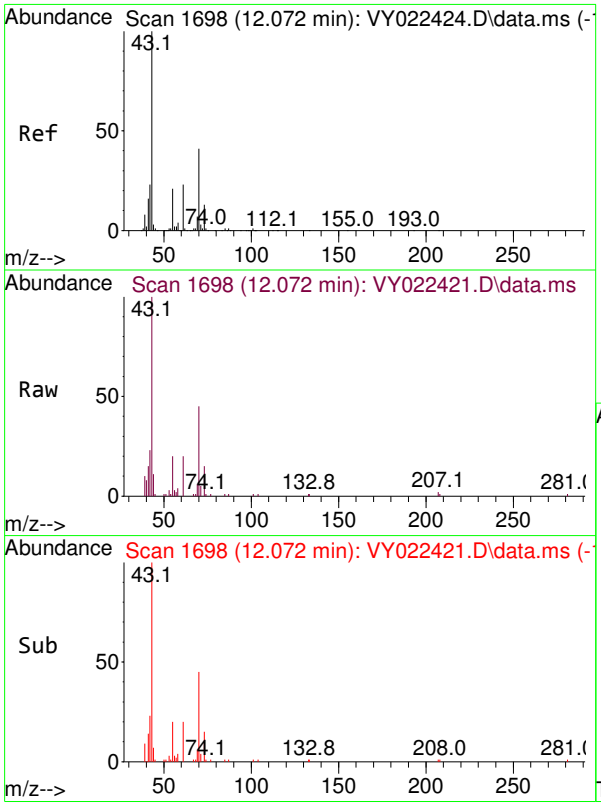
Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.2	39.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

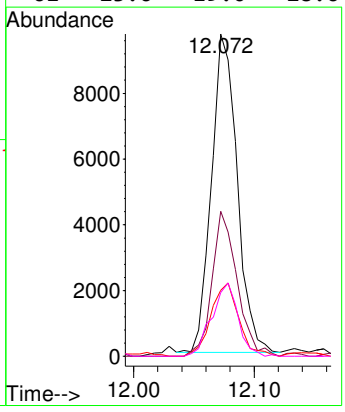


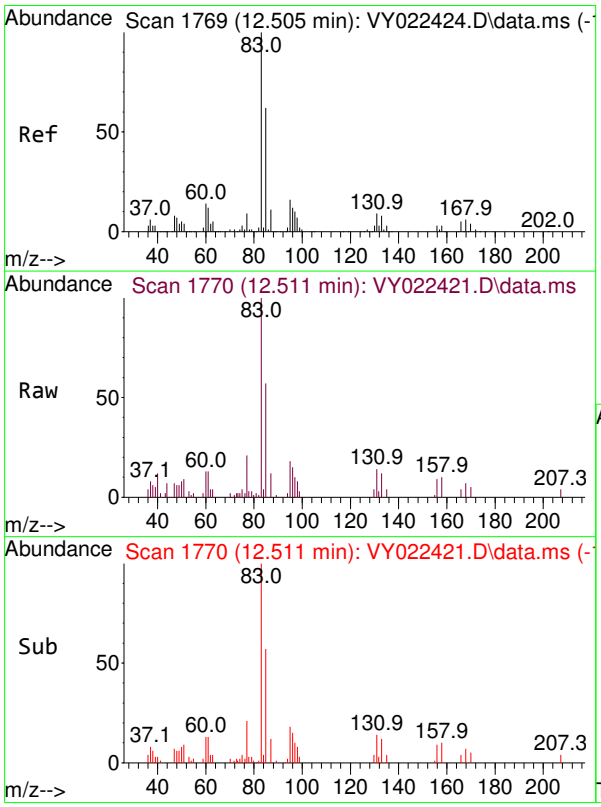


#74
N-amyl acetate
Concen: 4.584 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 43 Resp: 14329

Ion	Ratio	Lower	Upper
43	100		
70	44.4	33.0	49.4
55	25.0	17.5	26.3
61	23.6	19.0	28.6





#75
1,1,2,2-Tetrachloroethane
Concen: 5.021 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

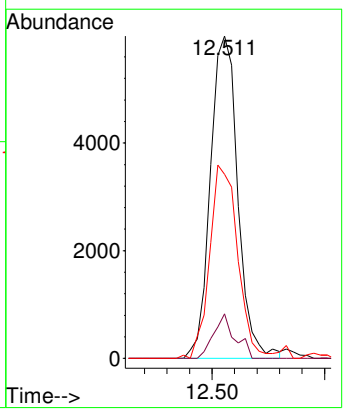
Tgt Ion: 83 Resp: 1010

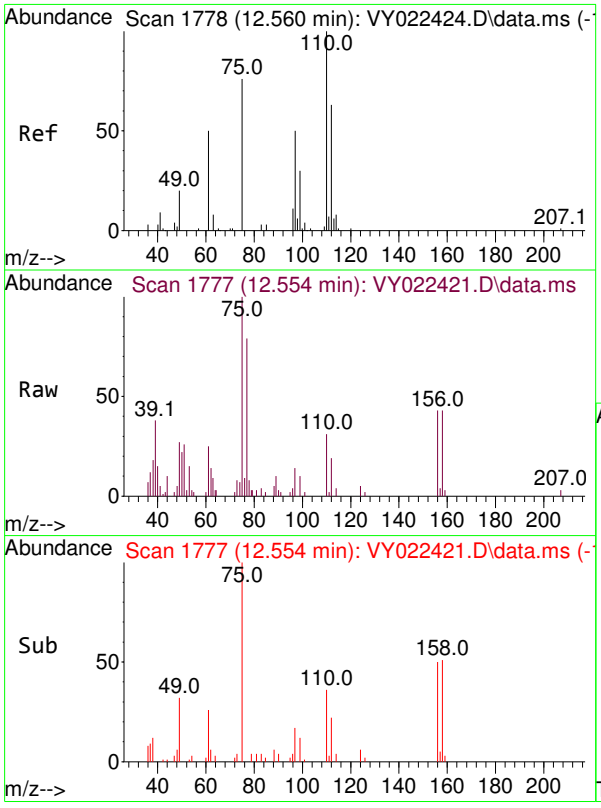
Ion	Ratio	Lower	Upper
83	100		
131	10.7	4.8	14.4
85	60.9	32.0	96.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

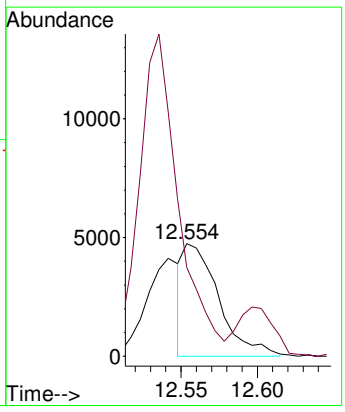


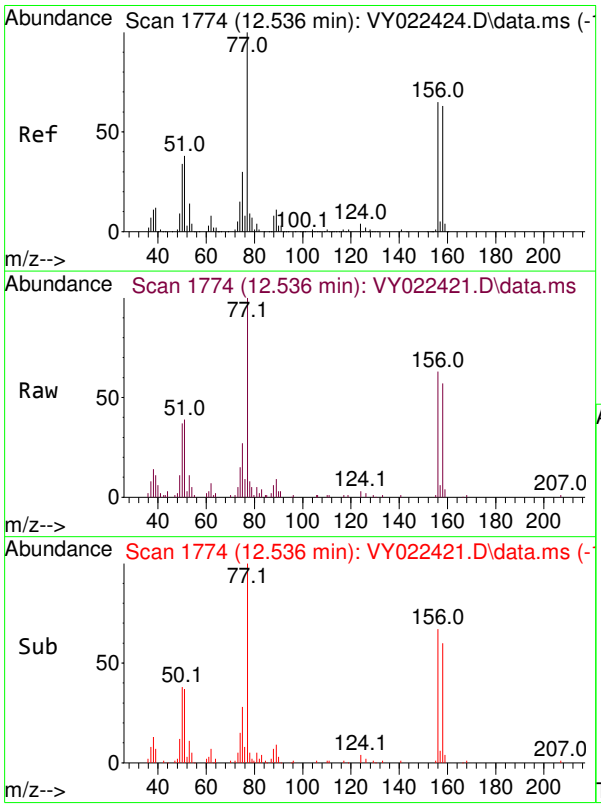


#76
1,2,3-Trichloropropane
Concen: 2.848 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 75 Resp: 7617

Ion	Ratio	Lower	Upper
75	100		
77	319.1	0.0	0.0#





#77
Bromobenzene
Concen: 4.747 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:156 Resp: 1305

Ion	Ratio	Lower	Upper
156	100		
77	186.2	91.4	274.2
158	96.2	48.1	144.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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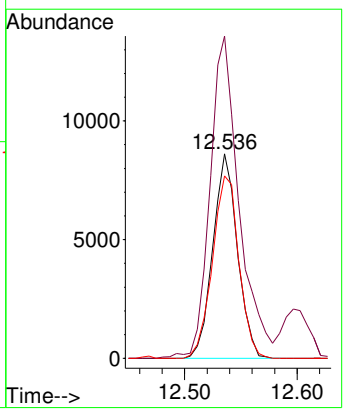
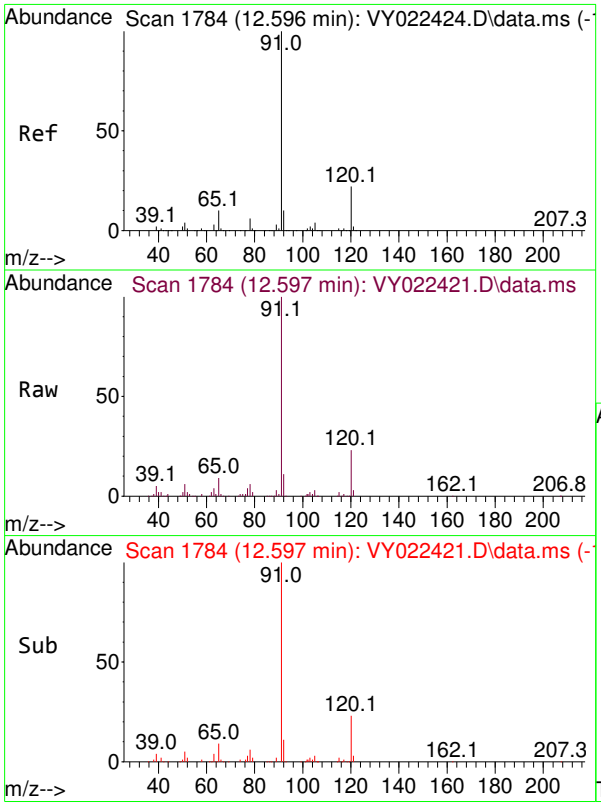
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

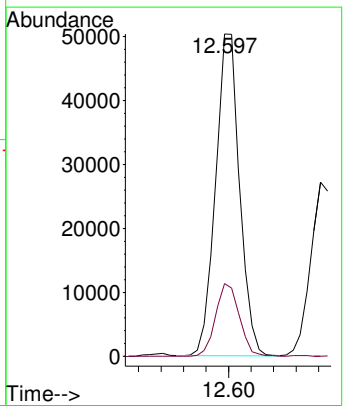


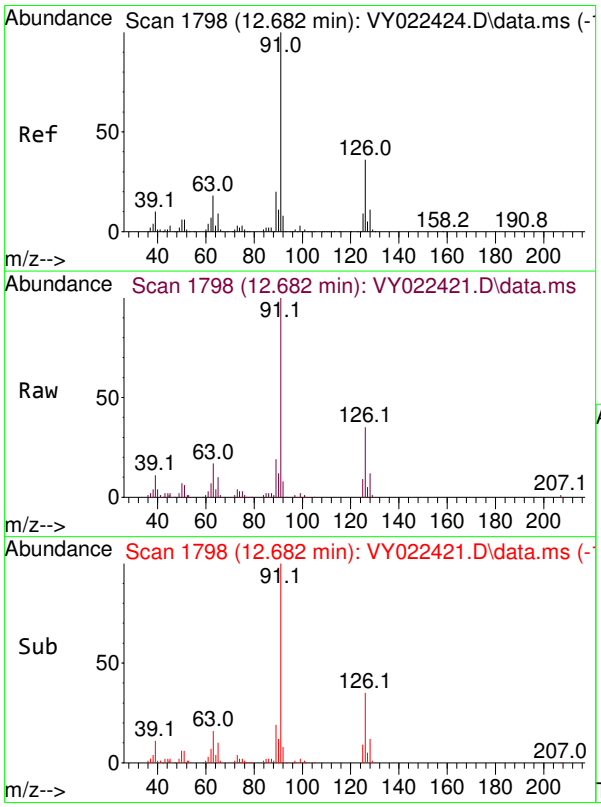


#78
n-propylbenzene
Concen: 4.856 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 91 Resp: 74444

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.5





#79
2-Chlorotoluene
Concen: 5.002 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 91 Resp: 4151

Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.4	52.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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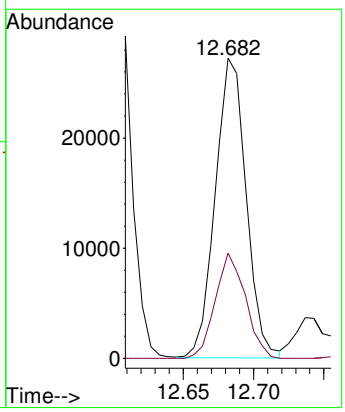
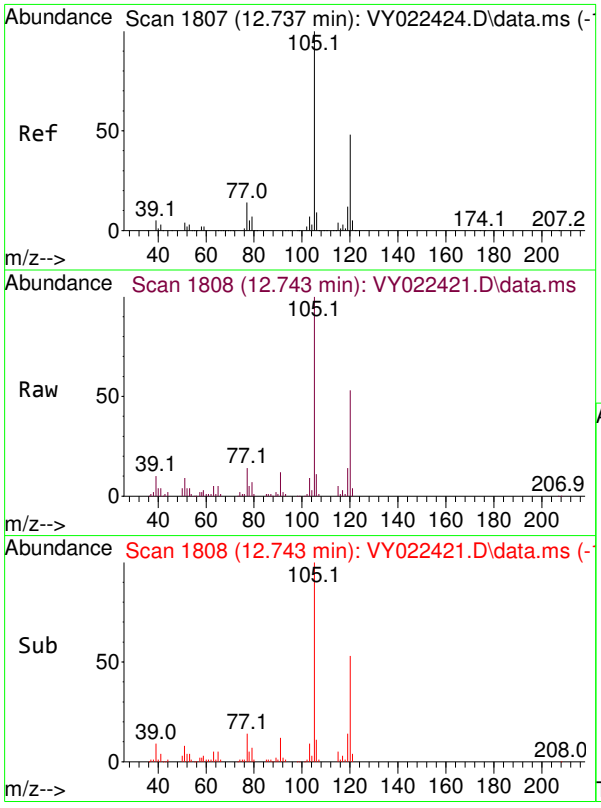
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

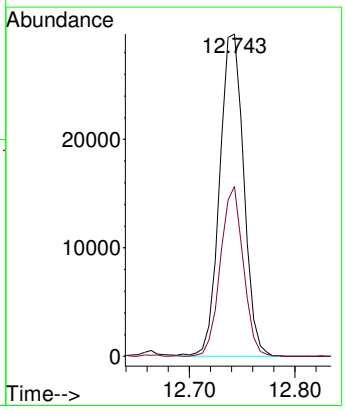


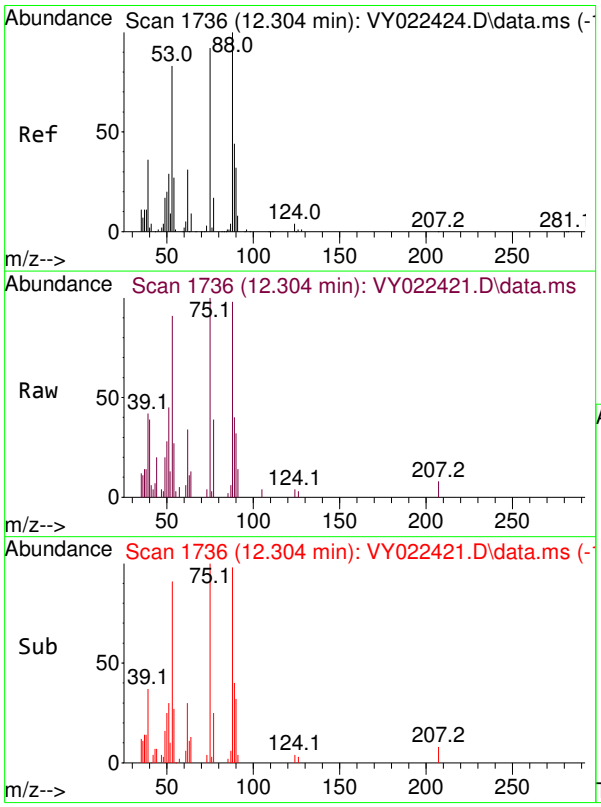


#80
1,3,5-Trimethylbenzene
Concen: 4.743 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:105 Resp: 47346

Ion	Ratio	Lower	Upper
105	100		
120	50.0	24.3	73.0

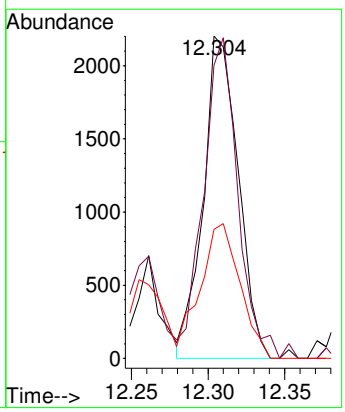




#81
trans-1,4-Dichloro-2-butene
Concen: 4.857 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 75 Resp: 349

Ion	Ratio	Lower	Upper
75	100		
53	98.1	75.1	112.7
89	47.7	37.4	56.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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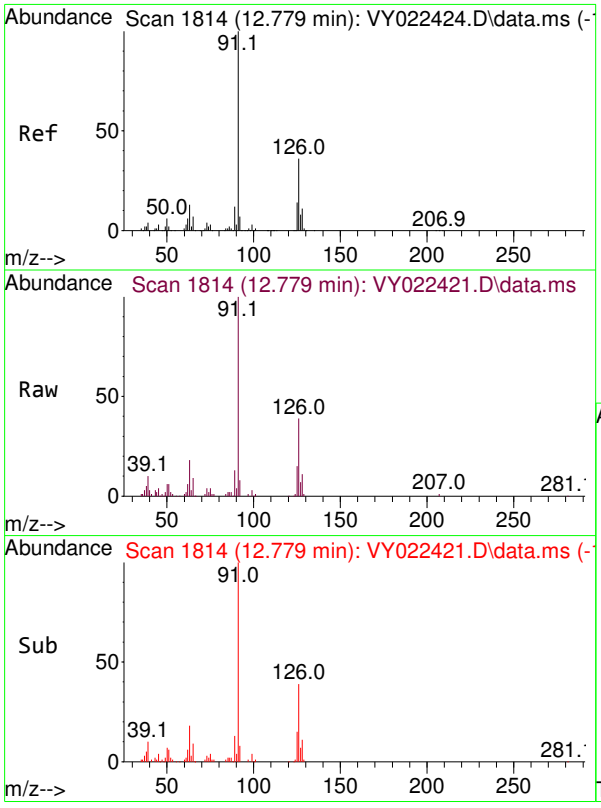
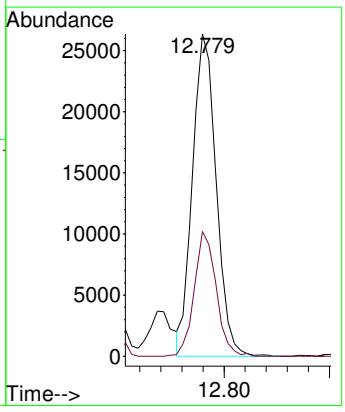
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

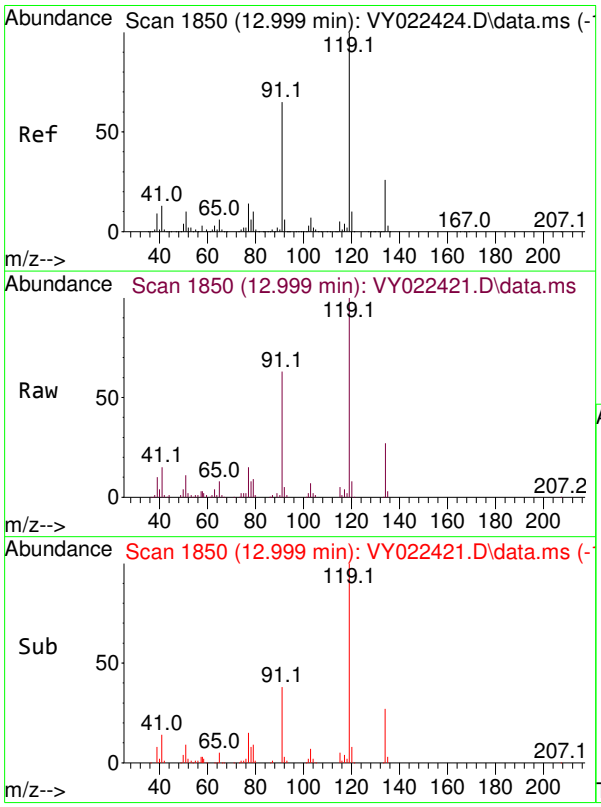


#82
4-Chlorotoluene
Concen: 4.801 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 91 Resp: 41039

Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.2	51.6





#83
tert-Butylbenzene
Concen: 4.951 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:119 Resp: 4465

Ion	Ratio	Lower	Upper
119	100		
91	61.4	31.8	95.3
134	25.6	13.0	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Amit Patel 05/28/2025
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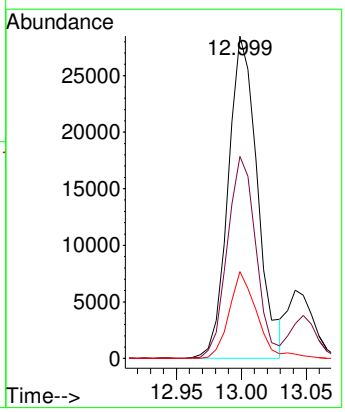
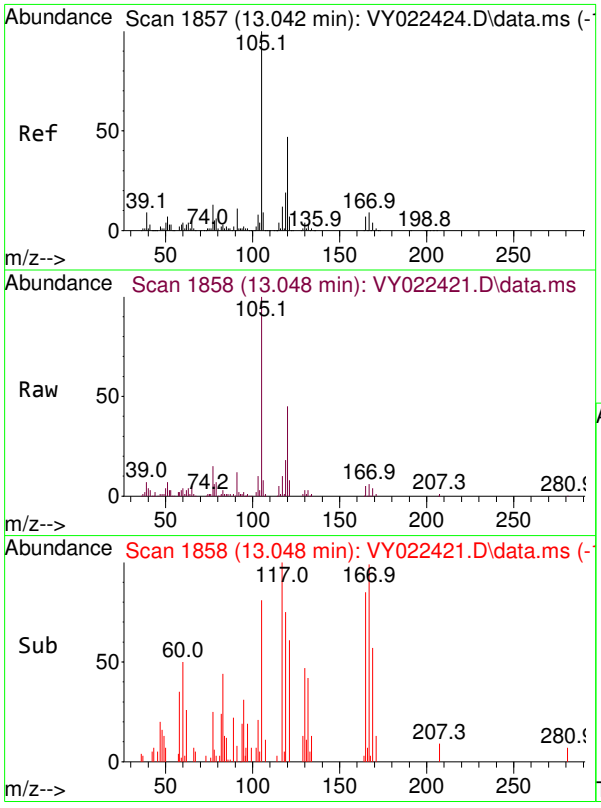
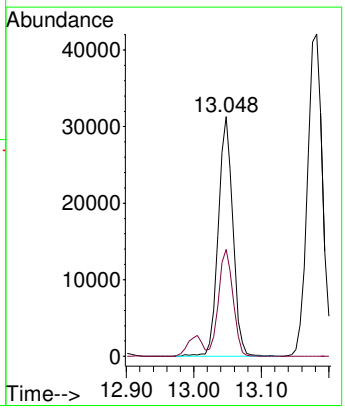


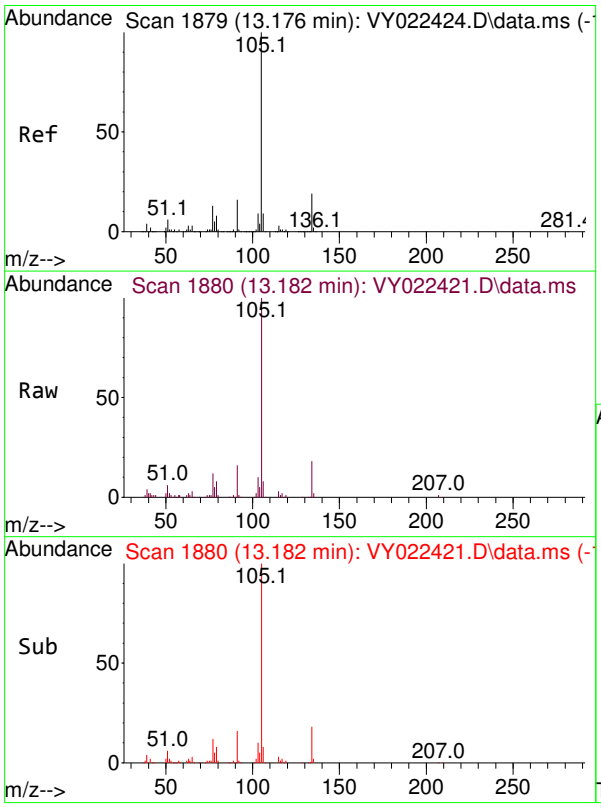


#84
1,2,4-Trimethylbenzene
Concen: 4.699 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:105 Resp: 47206

Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.9	68.5





#85
sec-Butylbenzene
Concen: 4.897 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:105 Resp: 6549

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.7	29.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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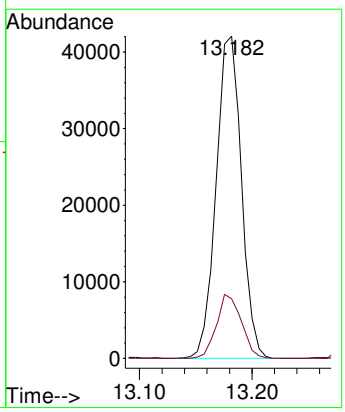
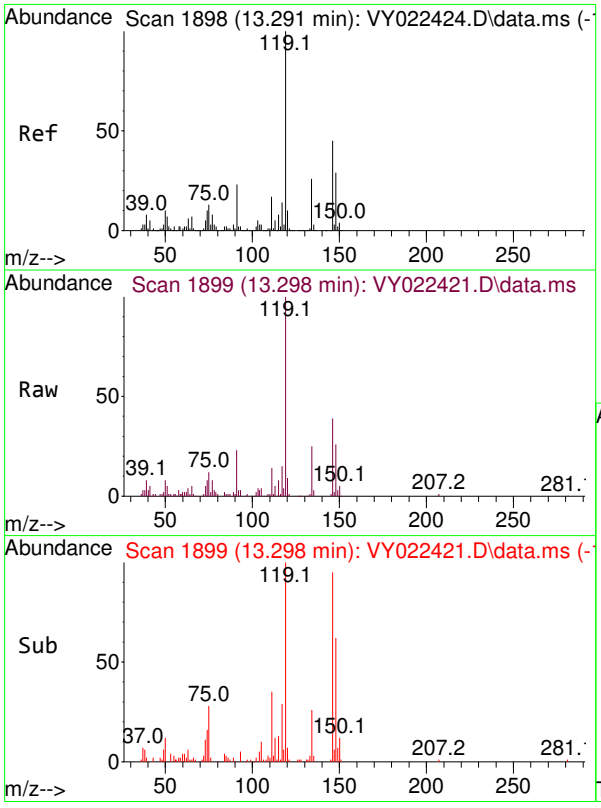
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

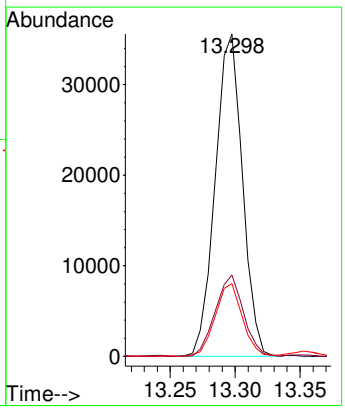


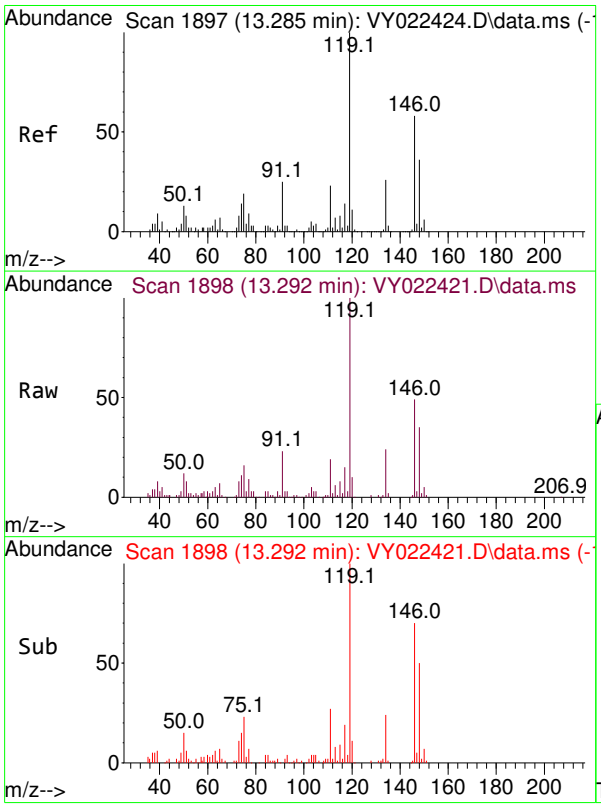


#86
p-Isopropyltoluene
Concen: 4.643 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:119 Resp: 51853

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.0	39.0
91	22.6	11.6	34.8





#87
1,3-Dichlorobenzene
Concen: 4.657 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

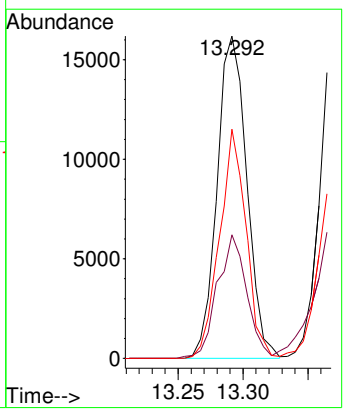
Tgt Ion:146 Resp: 2576

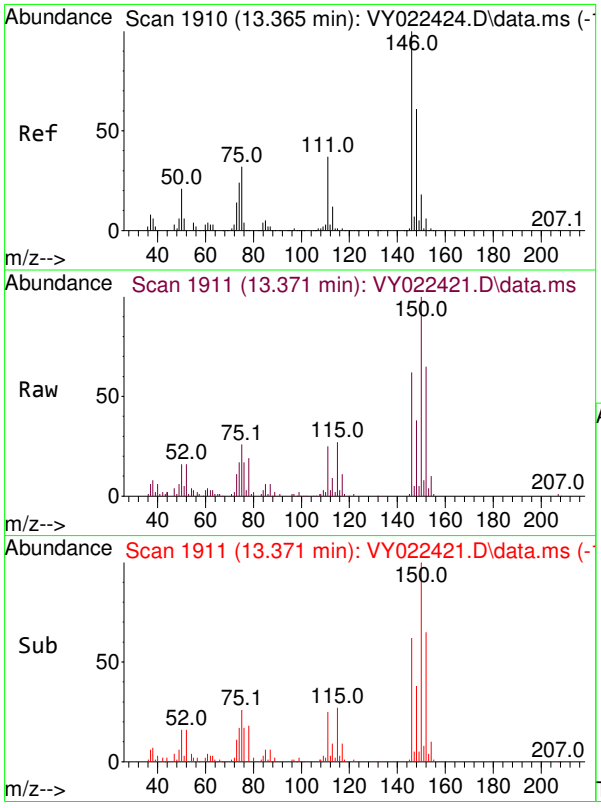
Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.6	58.8
148	63.7	31.7	95.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

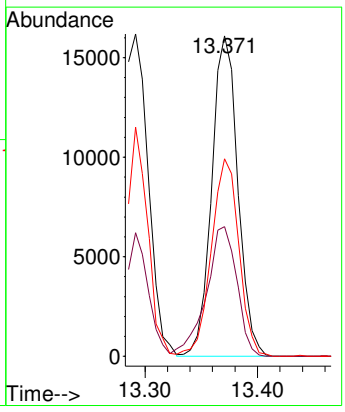


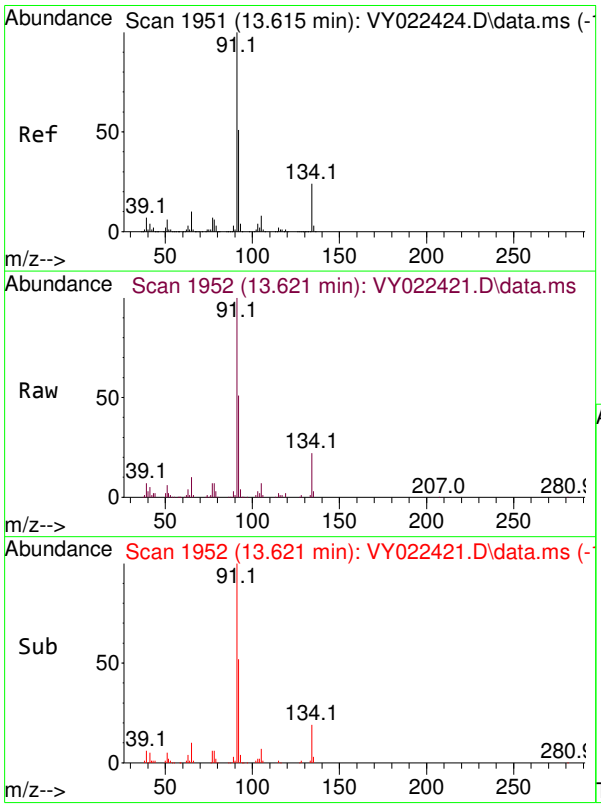


#88
1,4-Dichlorobenzene
Concen: 4.899 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:146 Resp: 25910

Ion	Ratio	Lower	Upper
146	100		
111	47.4	18.7	56.1
148	64.9	31.4	94.3





#89
n-Butylbenzene
Concen: 4.792 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

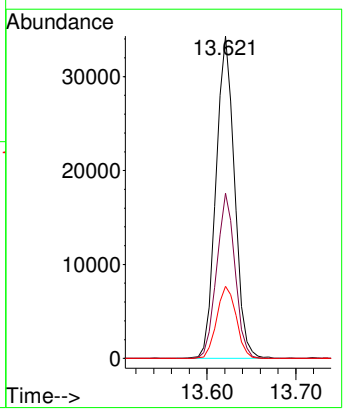
Tgt Ion: 91 Resp: 5017

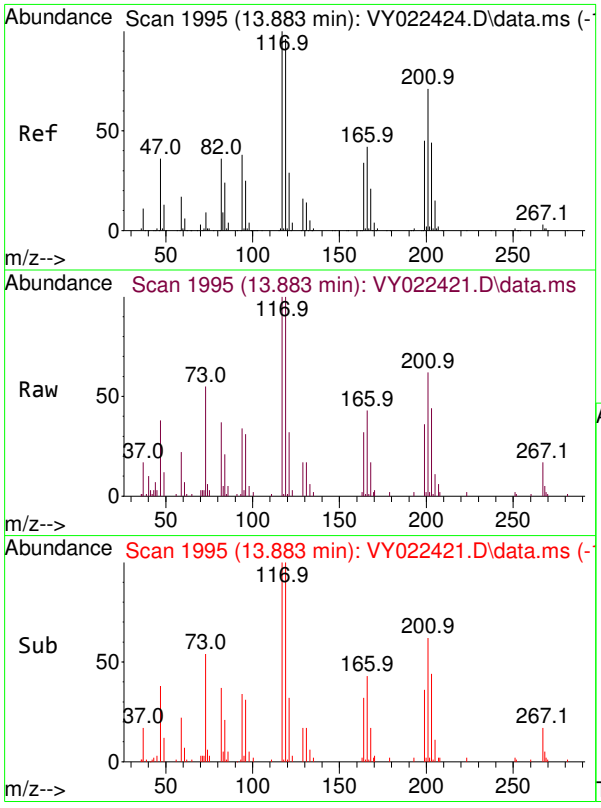
Ion	Ratio	Lower	Upper
91	100		
92	50.7	25.9	77.6
134	23.5	12.4	37.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

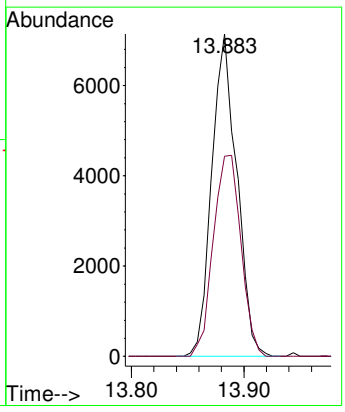


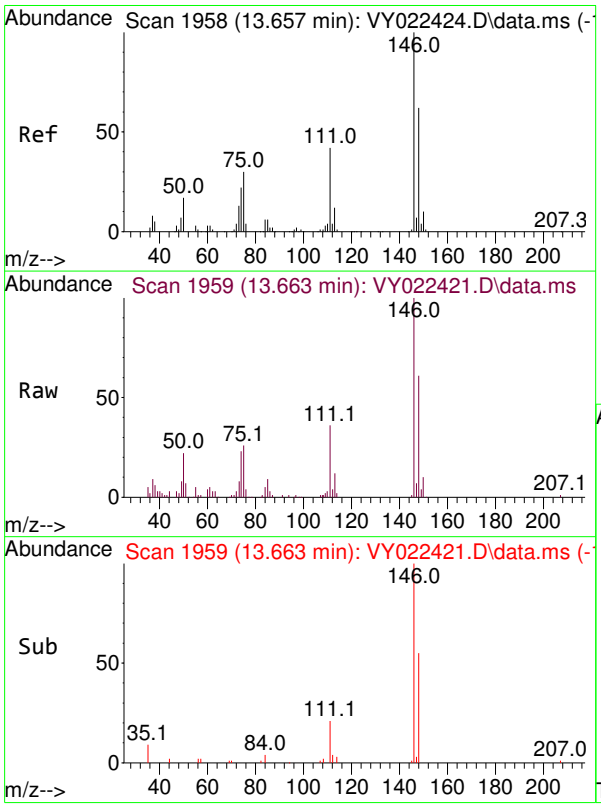


#90
Hexachloroethane
Concen: 4.958 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:117 Resp: 11019

Ion	Ratio	Lower	Upper
117	100		
201	68.9	35.0	105.0

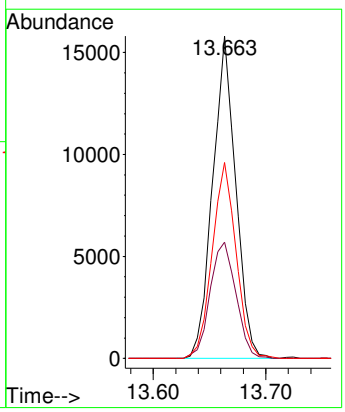




#91
1,2-Dichlorobenzene
Concen: 4.860 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:146 Resp: 2245

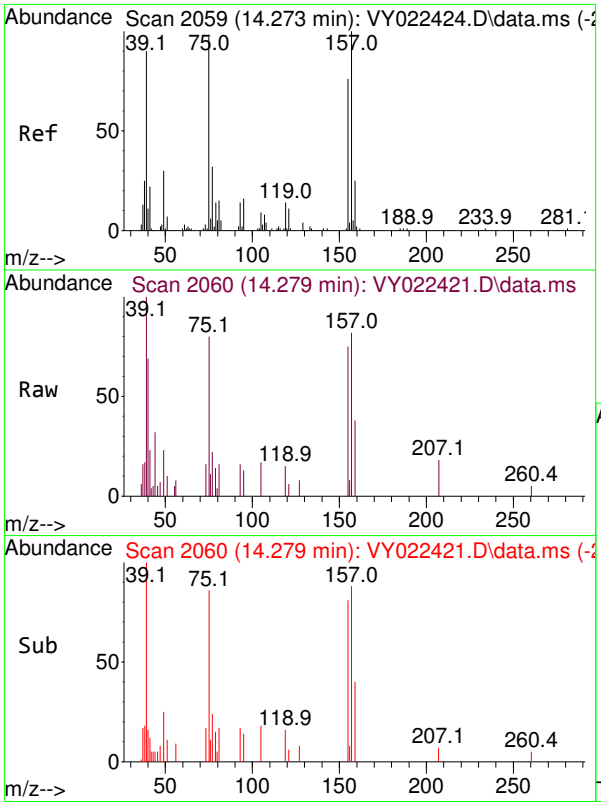
Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.5	61.6
148	63.1	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

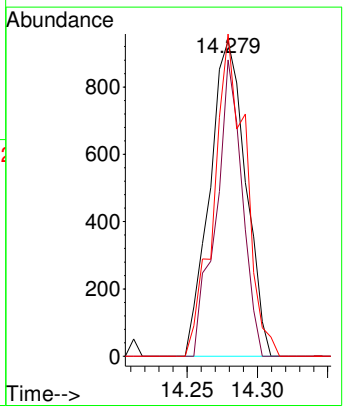
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

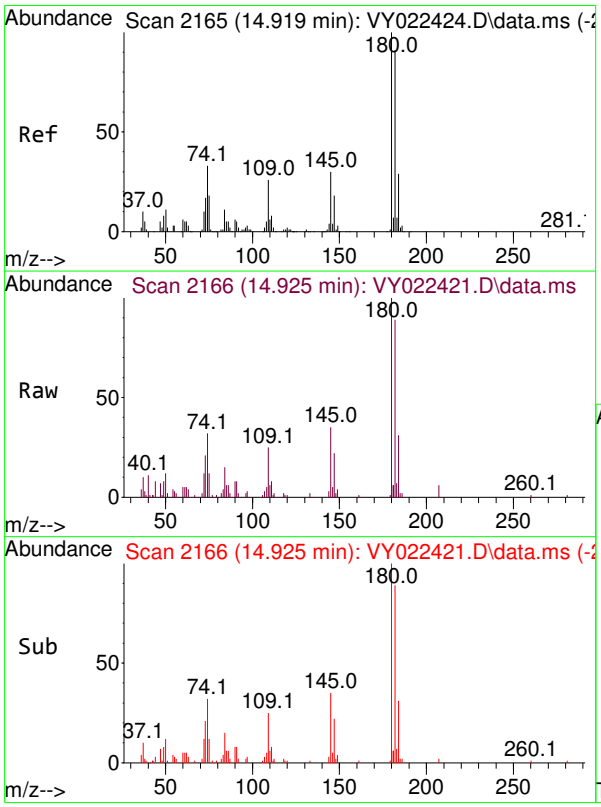


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.360 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion: 75 Resp: 1667

Ion	Ratio	Lower	Upper
75	100		
155	68.2	42.3	126.8
157	90.4	54.4	163.3





#93
1,2,4-Trichlorobenzene
Concen: 4.525 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

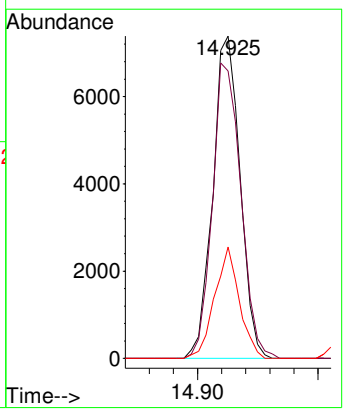
Tgt Ion:180 Resp: 1159

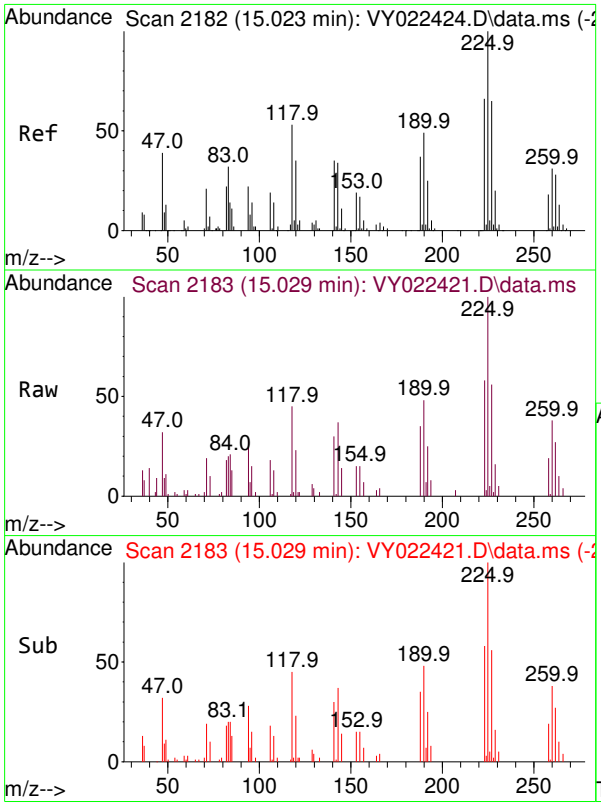
Ion	Ratio	Lower	Upper
180	100		
182	95.5	46.2	138.6
145	31.3	14.2	42.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

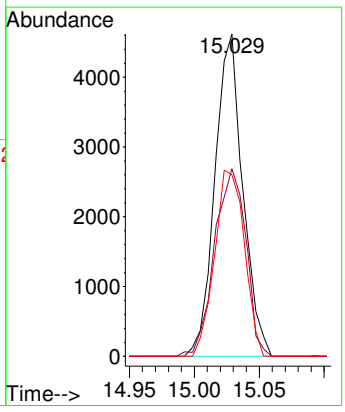


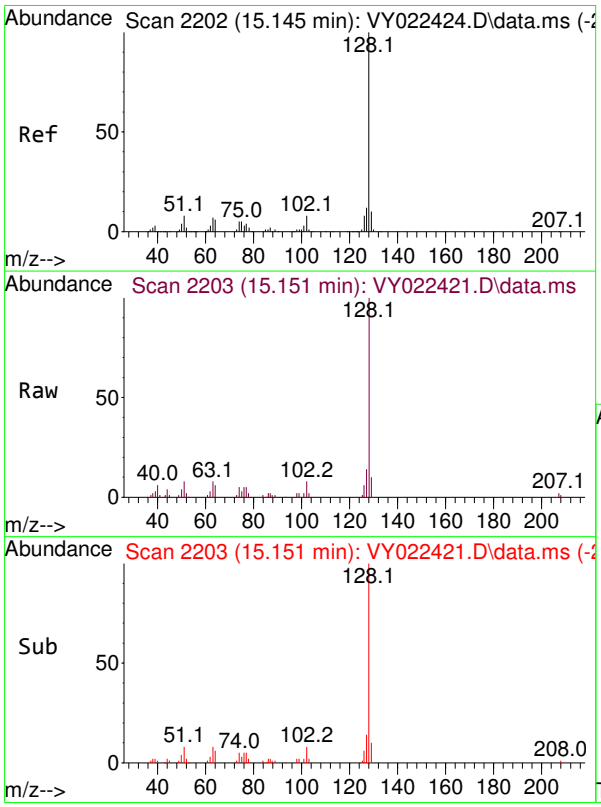


#94
Hexachlorobutadiene
Concen: 5.128 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:225 Resp: 6893

Ion	Ratio	Lower	Upper
225	100		
223	65.4	32.6	97.7
227	61.8	33.0	99.0

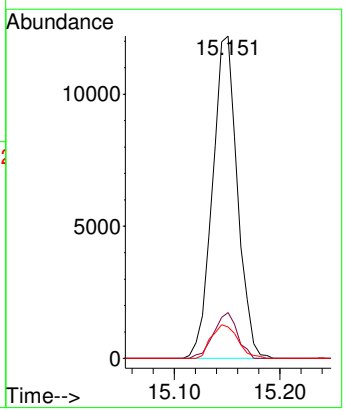




#95
Naphthalene
Concen: 4.237 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:128 Resp: 2006

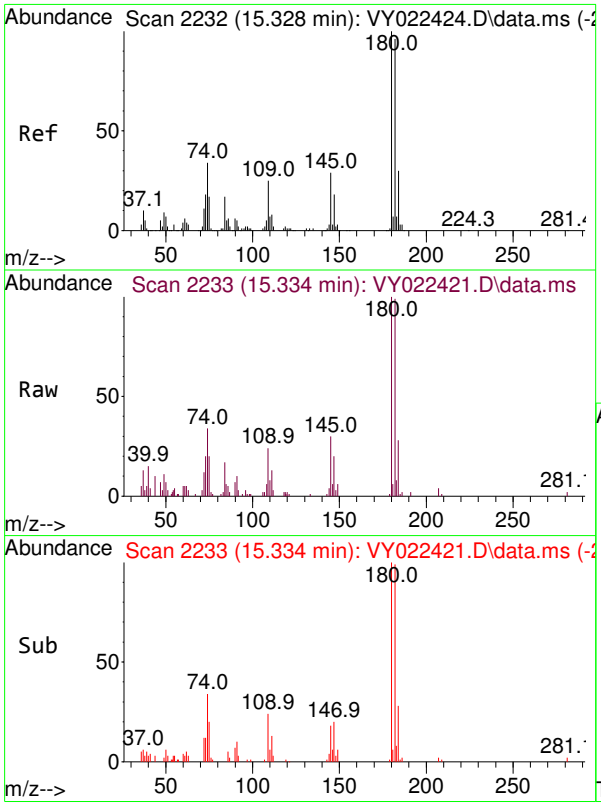
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.2	15.4
129	11.2	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

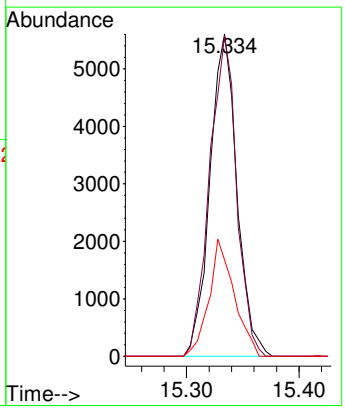
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.445 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.006 min
Lab File: VY022421.D
Acq: 27 May 2025 08:50

Tgt Ion:180 Resp: 9338

Ion	Ratio	Lower	Upper
180	100		
182	99.4	48.1	144.3
145	33.9	14.9	44.5



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022422.D
Acq On : 27 May 2025 09:14
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:43:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.713	168	256391	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.622	114	436685	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	362684	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	162991	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.067	65	26927	9.971	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	19.940%#			
35) Dibromofluoromethane	7.640	113	24509	9.584	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.160%#			
50) Toluene-d8	10.109	98	98965	9.493	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	18.980%#			
62) 4-Bromofluorobenzene	12.408	95	28894	9.163	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	18.320%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	26076	10.660	ug/l		95
3) Chloromethane	2.068	50	68253	11.343	ug/l		98
4) Vinyl Chloride	2.208	62	76561	10.474	ug/l		96
5) Bromomethane	2.598	94	65697	9.890	ug/l		97
6) Chloroethane	2.745	64	45164	9.455	ug/l		98
7) Trichlorofluoromethane	3.056	101	60209	9.763	ug/l		100
8) Diethyl Ether	3.464	74	14042	9.875	ug/l		93
9) 1,1,2-Trichlorotrifluo...	3.824	101	26527	9.804	ug/l		99
10) Methyl Iodide	4.013	142	26870	8.803	ug/l		97
11) Tert butyl alcohol	4.897	59	9619	50.530	ug/l		97
12) 1,1-Dichloroethene	3.793	96	26273	9.781	ug/l		90
13) Acrolein	3.665	56	13770	48.278	ug/l		97
14) Allyl chloride	4.385	41	38553	9.541	ug/l		94
15) Acrylonitrile	5.068	53	28120	49.059	ug/l		98
16) Acetone	3.873	43	23174	52.221	ug/l		95
17) Carbon Disulfide	4.116	76	85913	10.022	ug/l		100
18) Methyl Acetate	4.397	43	16359	9.841	ug/l		98
19) Methyl tert-butyl Ether	5.122	73	69672	9.769	ug/l		98
20) Methylene Chloride	4.622	84	34301	10.946	ug/l		95
21) trans-1,2-Dichloroethene	5.122	96	28516	9.724	ug/l		94
22) Diisopropyl ether	6.025	45	87002	9.756	ug/l		97
23) Vinyl Acetate	5.970	43	244848	47.816	ug/l		98
24) 1,1-Dichloroethane	5.915	63	50541	9.591	ug/l		97
25) 2-Butanone	6.903	43	36872	49.890	ug/l		96
26) 2,2-Dichloropropane	6.896	77	46164	9.675	ug/l		98
27) cis-1,2-Dichloroethene	6.896	96	33197	9.778	ug/l		99
28) Bromochloromethane	7.250	49	21845	9.927	ug/l		98
29) Tetrahydrofuran	7.268	42	24020	48.732	ug/l		97
30) Chloroform	7.427	83	49760	9.583	ug/l		94
31) Cyclohexane	7.707	56	53552	10.309	ug/l	#	94
32) 1,1,1-Trichloroethane	7.622	97	45829	9.725	ug/l		98
36) 1,1-Dichloropropene	7.841	75	38161	9.404	ug/l		98
37) Ethyl Acetate	6.994	43	16222	9.406	ug/l		97
38) Carbon Tetrachloride	7.829	117	39797	9.414	ug/l		92
39) Methylcyclohexane	9.109	83	52603	9.751	ug/l		98
40) Benzene	8.085	78	114576	9.489	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022422.D
Acq On : 27 May 2025 09:14
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:43:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	9438m	4.158	ug/l		
42) 1,2-Dichloroethane	8.165	62	30350	9.517	ug/l		99
43) Isopropyl Acetate	8.207	43	36584	9.707	ug/l		98
44) Trichloroethene	8.872	130	28407	9.516	ug/l		95
45) 1,2-Dichloropropane	9.146	63	26802	9.447	ug/l		98
46) Dibromomethane	9.238	93	14820	9.351	ug/l		98
47) Bromodichloromethane	9.427	83	39207	9.620	ug/l		97
48) Methyl methacrylate	9.225	41	16163	9.239	ug/l		95
49) 1,4-Dioxane	9.238	88	3170	181.086	ug/l		96
51) 4-Methyl-2-Pentanone	10.006	43	86201	46.358	ug/l		98
52) Toluene	10.176	92	70294	9.320	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	36171	9.528	ug/l		93
54) cis-1,3-Dichloropropene	9.859	75	41945	9.403	ug/l		97
55) 1,1,2-Trichloroethane	10.579	97	18882	9.423	ug/l		98
56) Ethyl methacrylate	10.445	69	26658	9.270	ug/l		99
57) 1,3-Dichloropropane	10.719	76	33854	9.587	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	66205	46.196	ug/l		100
59) 2-Hexanone	10.762	43	54792	44.963	ug/l		99
60) Dibromochloromethane	10.914	129	23908	9.340	ug/l		99
61) 1,2-Dibromoethane	11.018	107	16524	9.016	ug/l		91
64) Tetrachloroethene	10.652	164	30237	9.789	ug/l		95
65) Chlorobenzene	11.444	112	72507	9.376	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	23791	9.080	ug/l		95
67) Ethyl Benzene	11.524	91	132623	9.236	ug/l		99
68) m/p-Xylenes	11.633	106	95743	17.586	ug/l		95
69) o-Xylene	11.957	106	46196	9.028	ug/l		98
70) Styrene	11.975	104	73993	8.685	ug/l		97
71) Bromoform	12.133	173	12746	9.287	ug/l	#	99
73) Isopropylbenzene	12.255	105	121960	9.507	ug/l		99
74) N-amyl acetate	12.072	43	28607	9.114	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.505	83	18720	9.262	ug/l		100
76) 1,2,3-Trichloropropane	12.560	75	17196m	6.404	ug/l		
77) Bromobenzene	12.536	156	26457	9.584	ug/l		99
78) n-propylbenzene	12.597	91	145616	9.459	ug/l		100
79) 2-Chlorotoluene	12.682	91	79070	9.488	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	93557	9.334	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	6931	9.601	ug/l		97
82) 4-Chlorotoluene	12.780	91	80299	9.356	ug/l		98
83) tert-Butylbenzene	12.999	119	83455	9.216	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	93094	9.230	ug/l		99
85) sec-Butylbenzene	13.176	105	123436	9.191	ug/l		99
86) p-Isopropyltoluene	13.292	119	100168	8.932	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	50790	9.144	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	49773	9.372	ug/l		95
89) n-Butylbenzene	13.621	91	93025	8.847	ug/l		98
90) Hexachloroethane	13.883	117	20778	9.310	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	43417	9.358	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	3042	9.740	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	23591	9.172	ug/l		98
94) Hexachlorobutadiene	15.023	225	12088	8.956	ug/l		99
95) Naphthalene	15.145	128	42212	8.878	ug/l		98
96) 1,2,3-Trichlorobenzene	15.328	180	18071	8.567	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022422.D
Acq On : 27 May 2025 09:14
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:43:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 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_Y\Data\VY052725\
Data File : VY022422.D
Acq On : 27 May 2025 09:14
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 28 09:43:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
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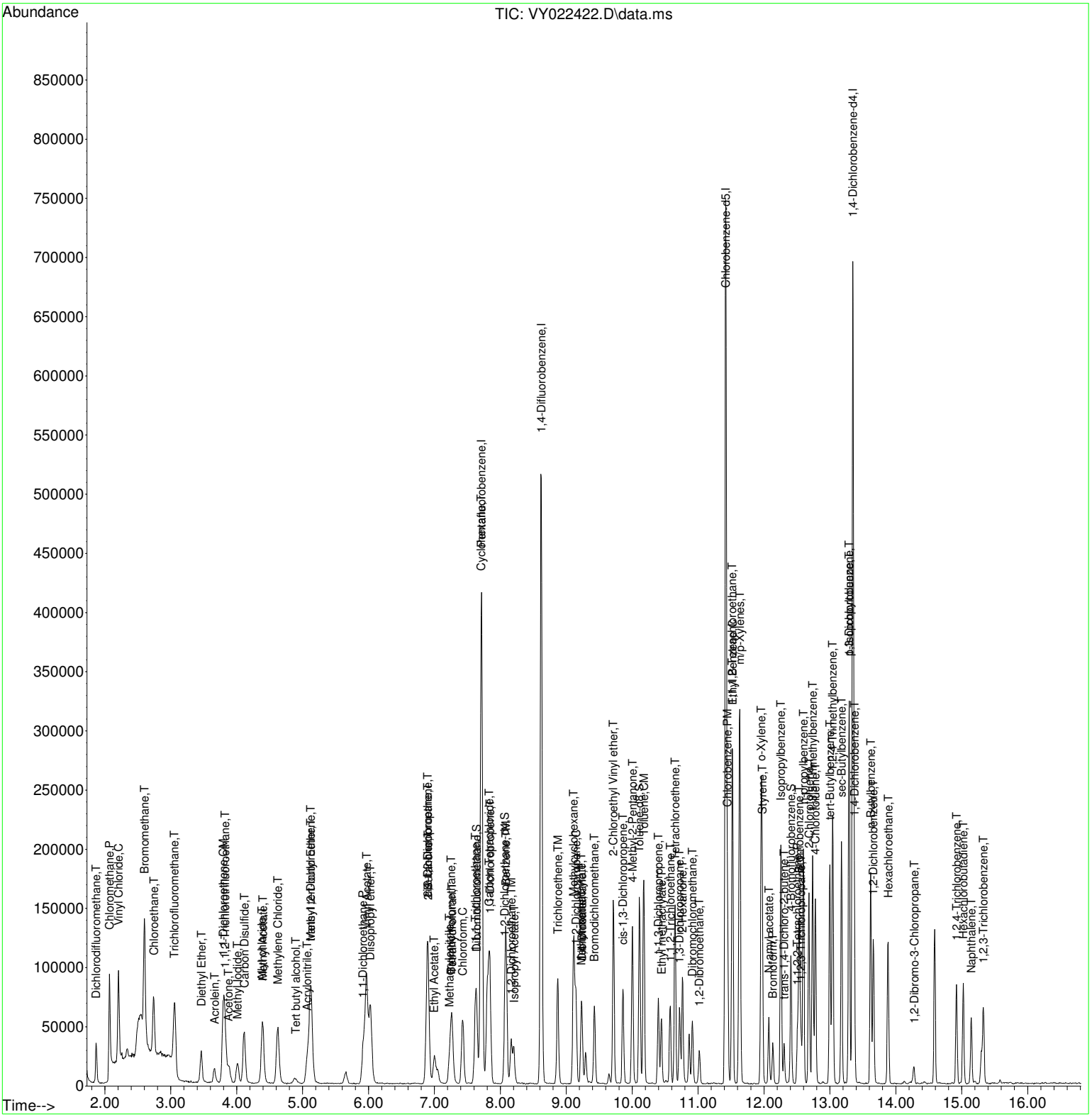

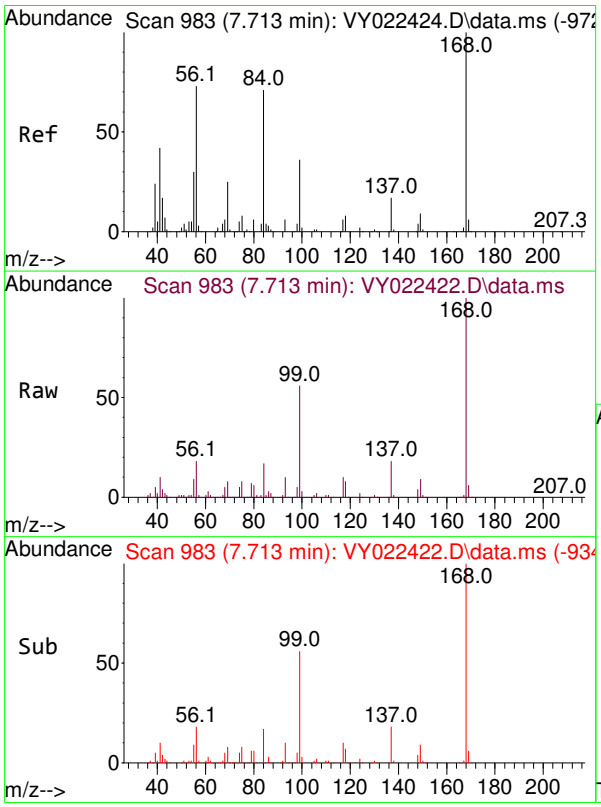

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:168 Resp: 25639

Ion	Ratio	Lower	Upper
168	100		
99	56.2	44.7	67.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
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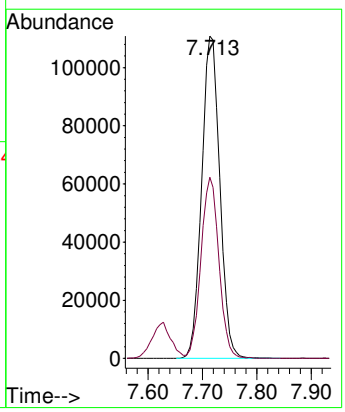
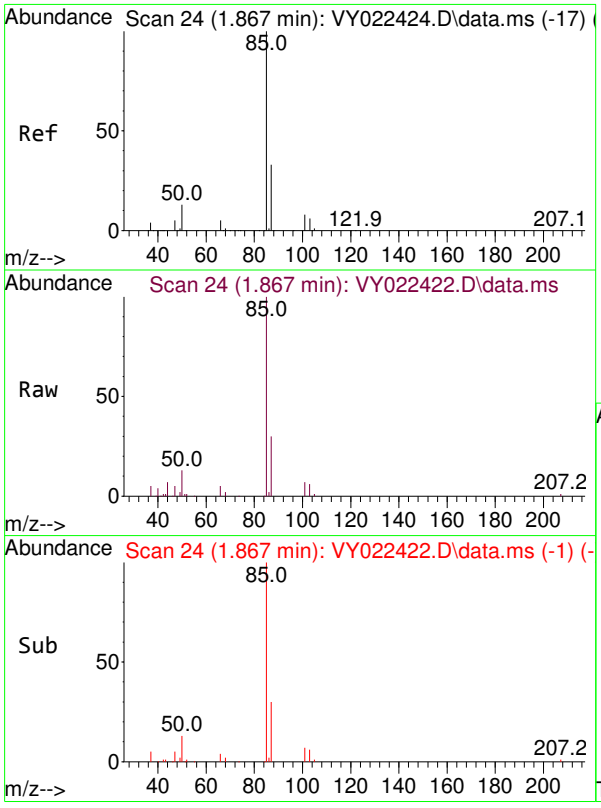
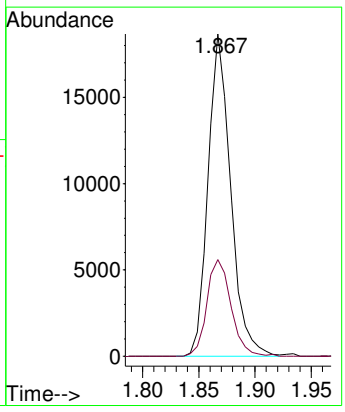


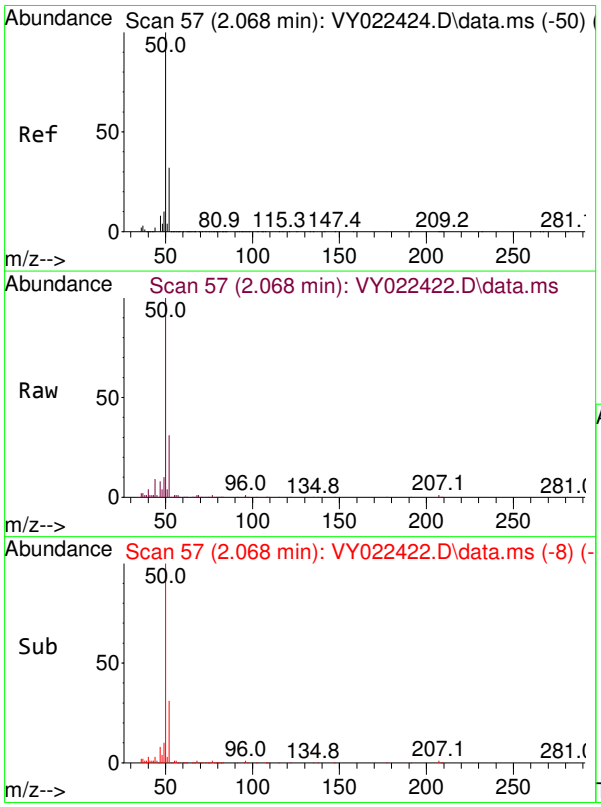


#2
Dichlorodifluoromethane
Concen: 10.660 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 85 Resp: 26076

Ion	Ratio	Lower	Upper
85	100		
87	30.0	16.4	49.2





#3
Chloromethane
Concen: 11.343 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 50 Resp: 6825

Ion	Ratio	Lower	Upper
50	100		
52	30.6	25.5	38.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
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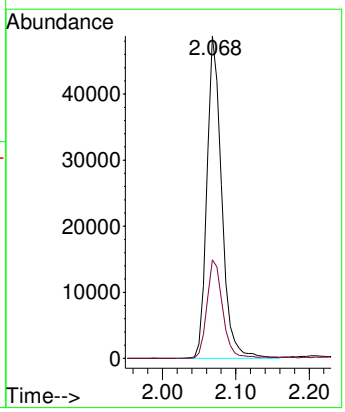
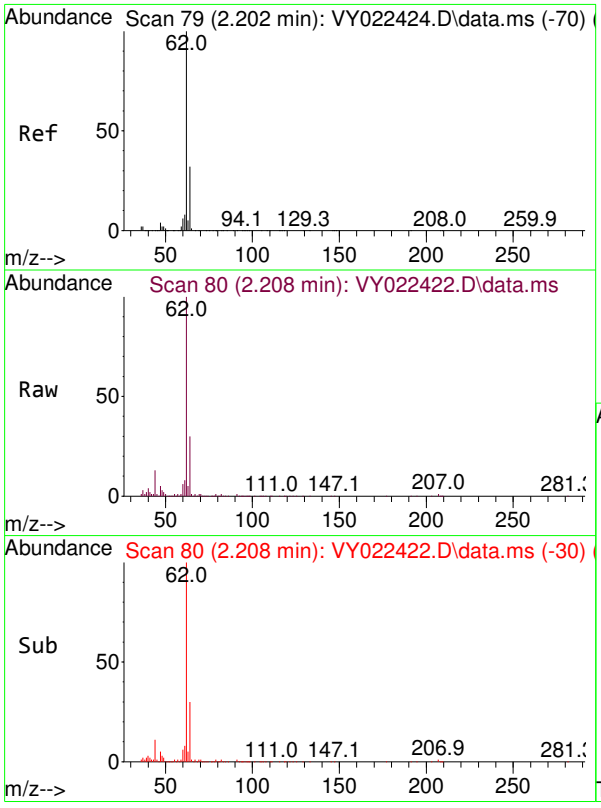
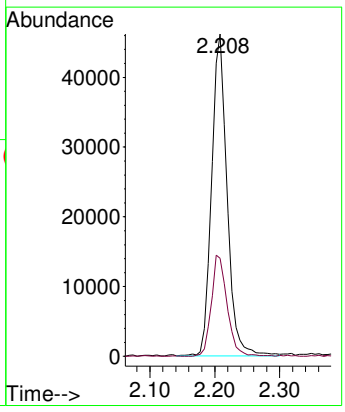


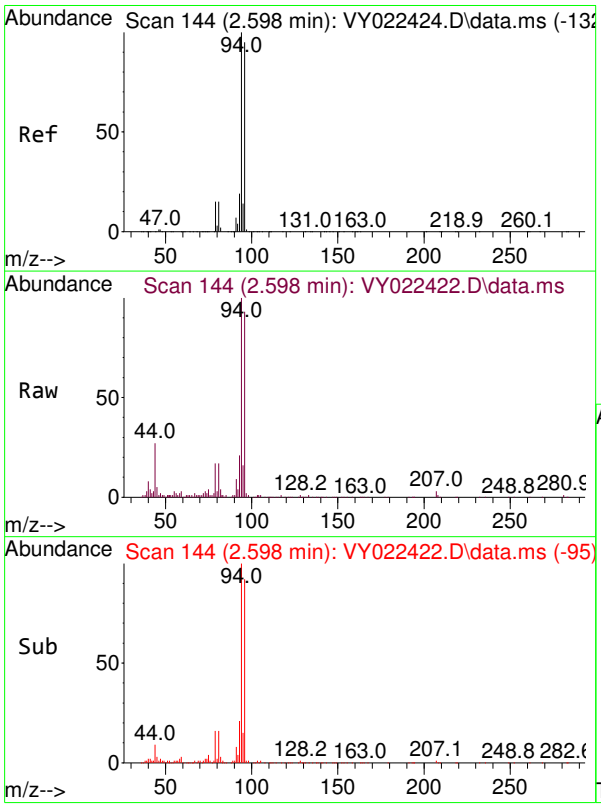


#4
Vinyl Chloride
Concen: 10.474 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 62 Resp: 76561

Ion	Ratio	Lower	Upper
62	100		
64	30.3	26.0	39.0





#5
Bromomethane
Concen: 9.890 ug/l
RT: 2.598 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

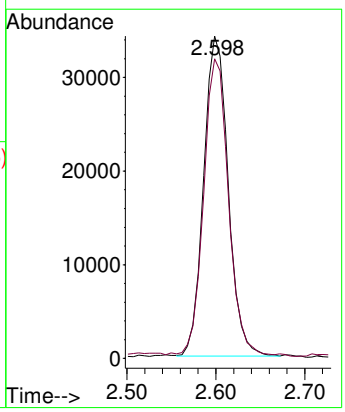
Tgt Ion: 94 Resp: 6569

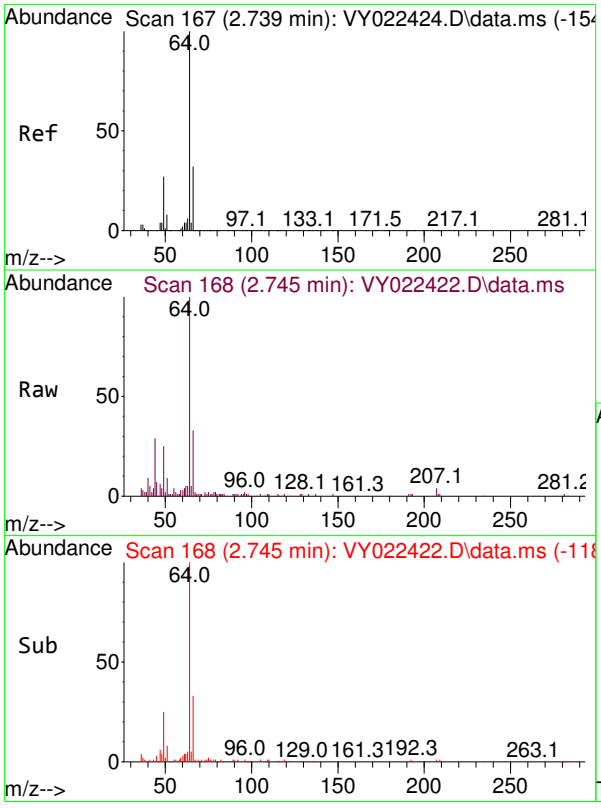
Ion	Ratio	Lower	Upper
94	100		
96	92.1	76.0	114.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

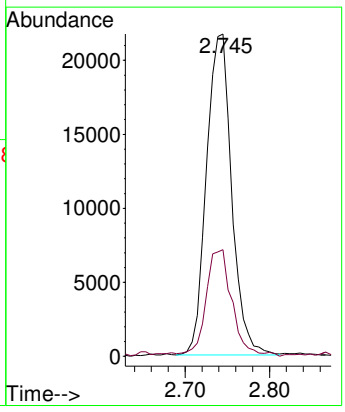


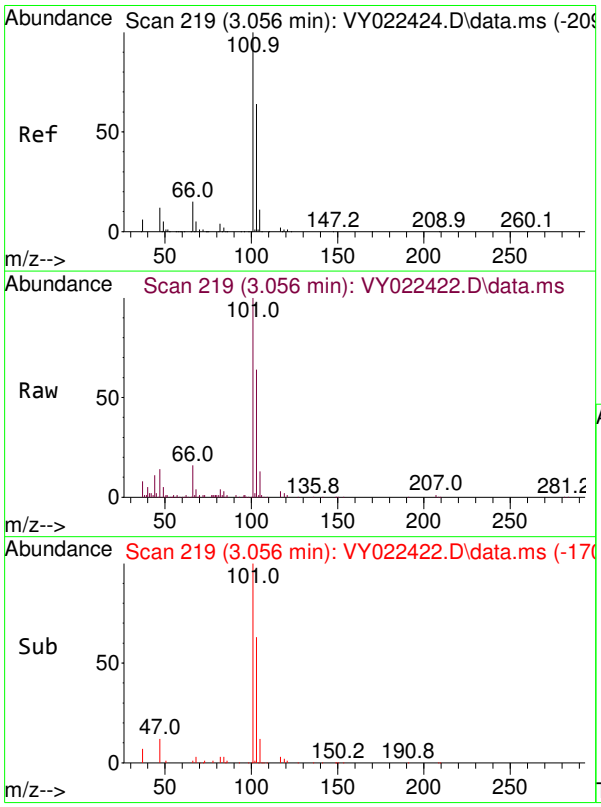


#6
Chloroethane
Concen: 9.455 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 64 Resp: 45164

Ion	Ratio	Lower	Upper
64	100		
66	33.3	25.9	38.9





#7
Trichlorofluoromethane
Concen: 9.763 ug/l
RT: 3.056 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:101 Resp: 6020

Ion	Ratio	Lower	Upper
101	100		
103	63.5	50.9	76.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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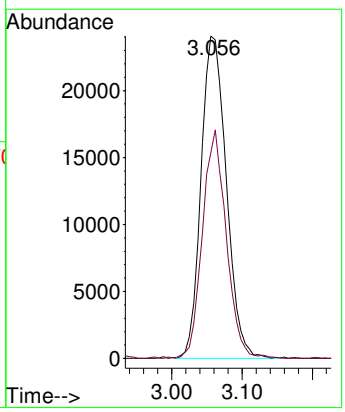
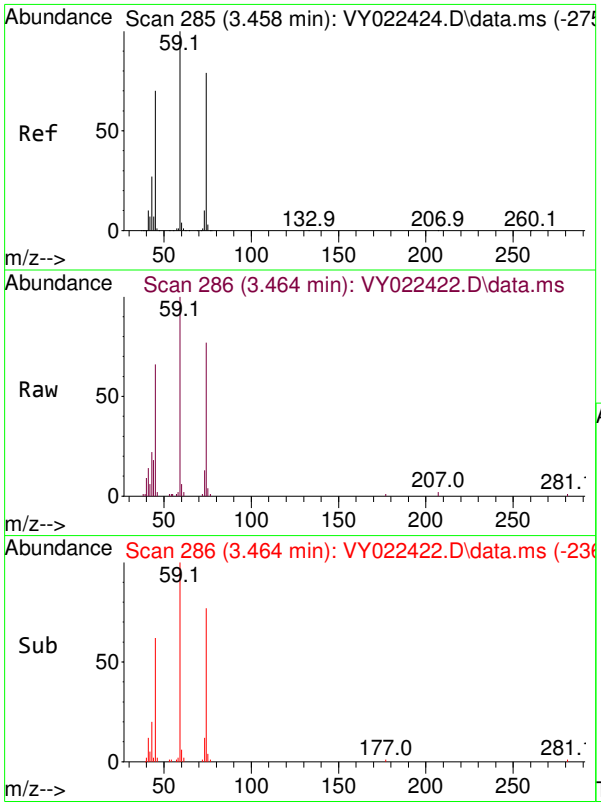
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

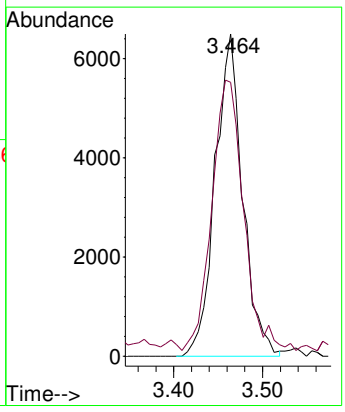


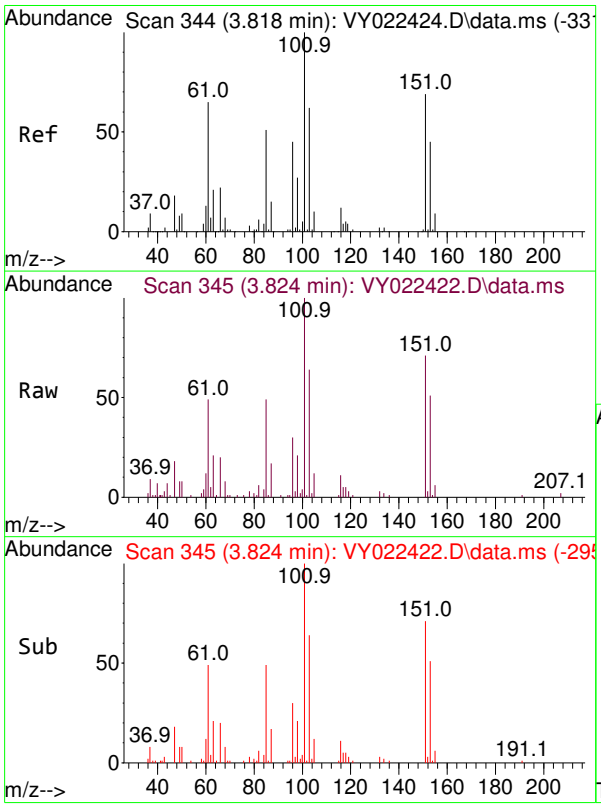


#8
Diethyl Ether
Concen: 9.875 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 74 Resp: 14042

Ion	Ratio	Lower	Upper
74	100		
45	96.1	44.9	134.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.804 ug/l
RT: 3.824 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

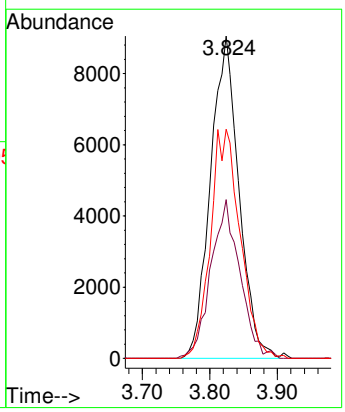
Tgt Ion:101 Resp: 2652

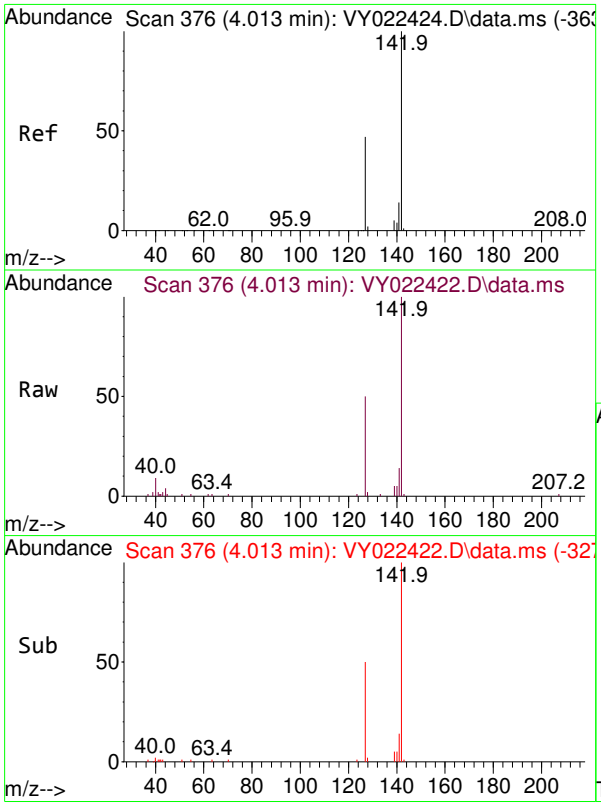
Ion	Ratio	Lower	Upper
101	100		
85	50.2	39.2	58.8
151	74.4	58.8	88.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

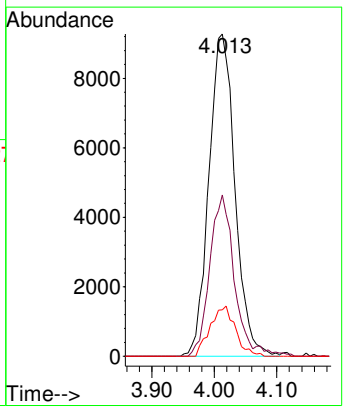


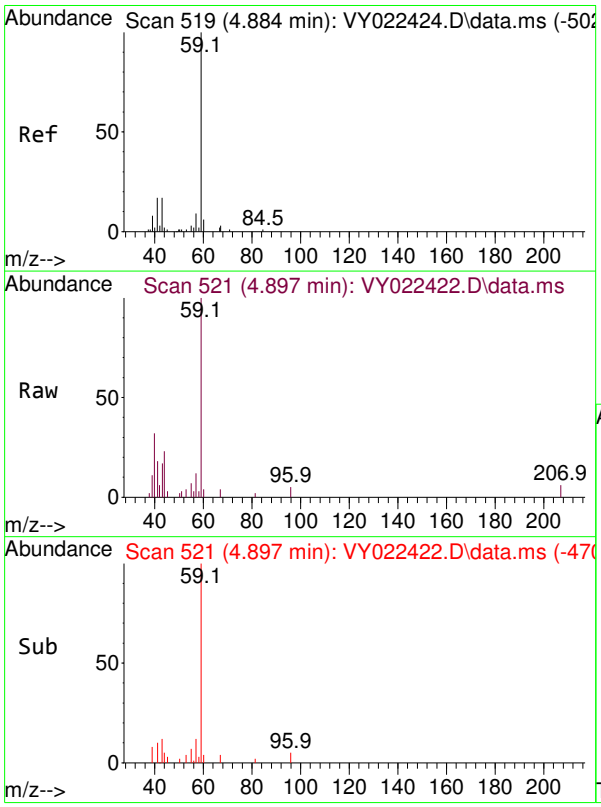


#10
Methyl Iodide
Concen: 8.803 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:142 Resp: 26870

Ion	Ratio	Lower	Upper
142	100		
127	47.5	36.2	54.4
141	15.1	11.6	17.4





#11
Tert butyl alcohol
Concen: 50.530 ug/l
RT: 4.897 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 59 Resp: 961

Ion	Ratio	Lower	Upper
59	100		
57	12.7	9.1	13.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
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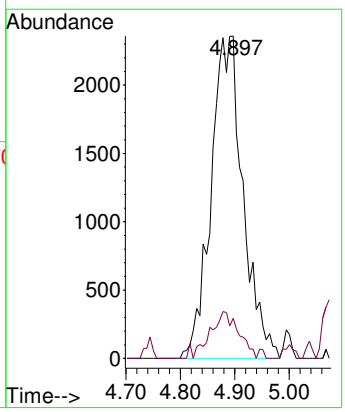
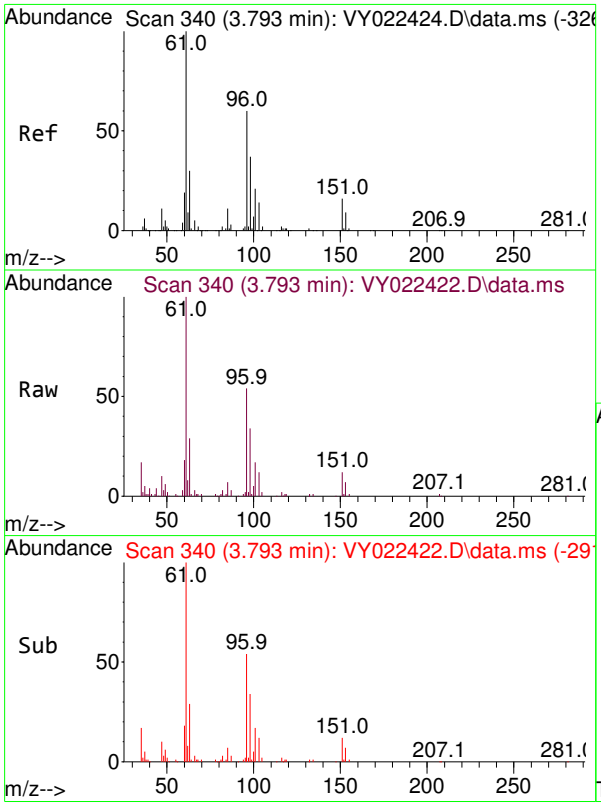
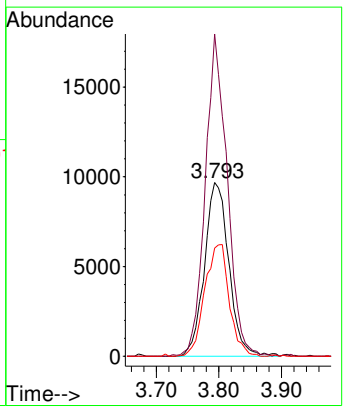


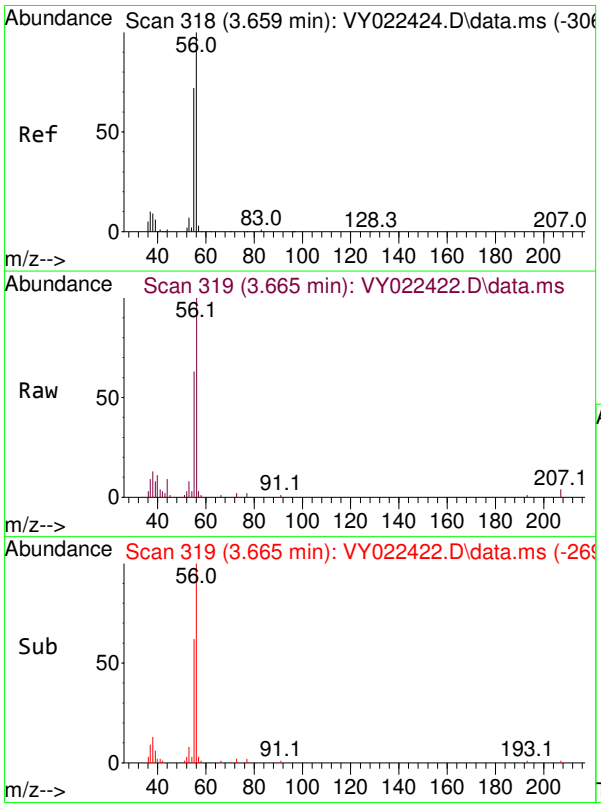


#12
1,1-Dichloroethene
Concen: 9.781 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 96 Resp: 26273

Ion	Ratio	Lower	Upper
96	100		
61	185.6	134.1	201.1
98	62.2	50.2	75.2





#13
Acrolein
Concen: 48.278 ug/l
RT: 3.665 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 56 Resp: 1377

Ion	Ratio	Lower	Upper
56	100		
55	72.9	56.5	84.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

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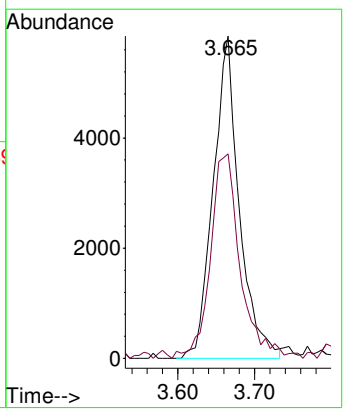
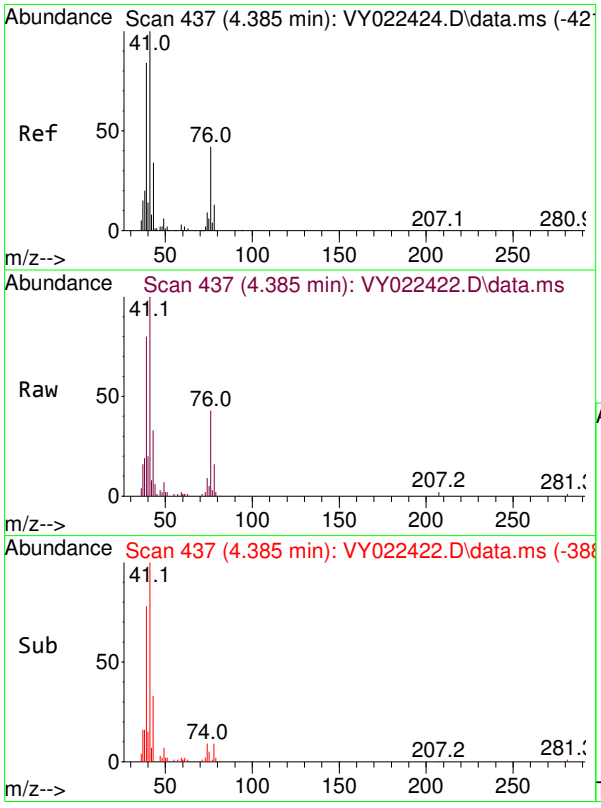
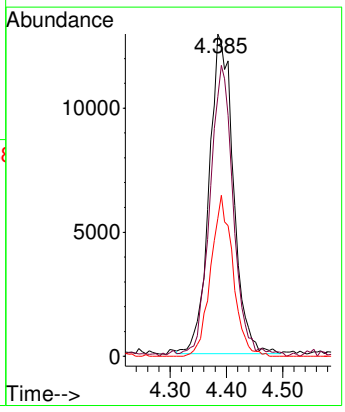


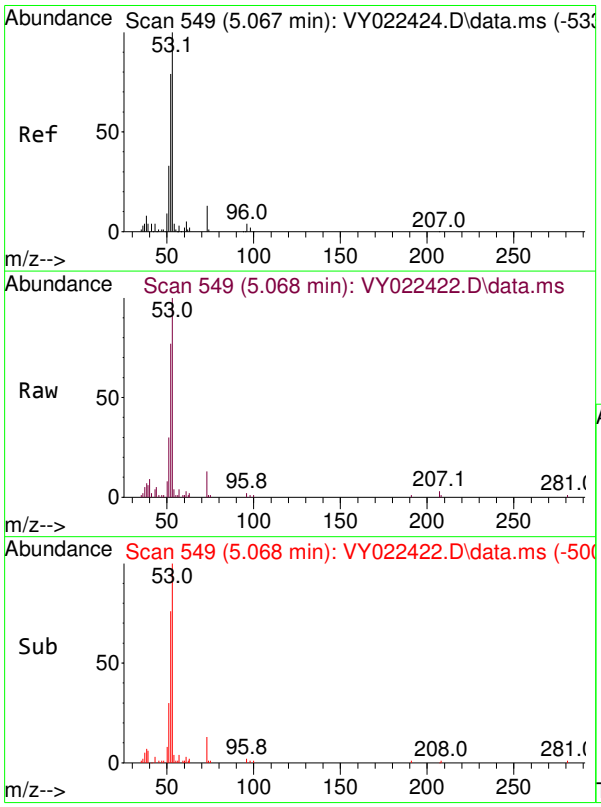


#14
Allyl chloride
Concen: 9.541 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 41 Resp: 38553

Ion	Ratio	Lower	Upper
41	100		
39	88.5	66.6	100.0
76	46.0	33.7	50.5





#15
Acrylonitrile
Concen: 49.059 ug/l
RT: 5.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 53 Resp: 2812

Ion	Ratio	Lower	Upper
53	100		
52	83.6	65.1	97.7
51	38.0	30.0	45.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
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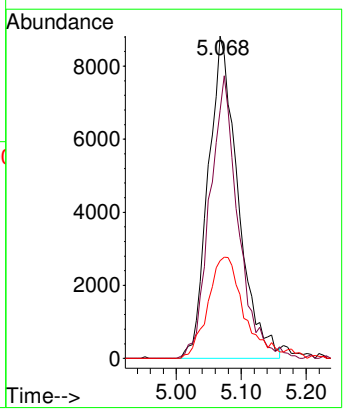
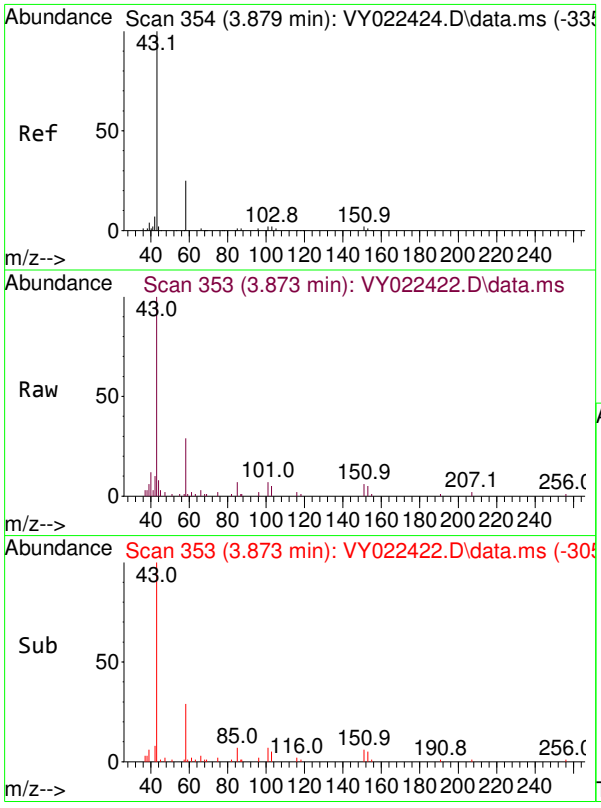
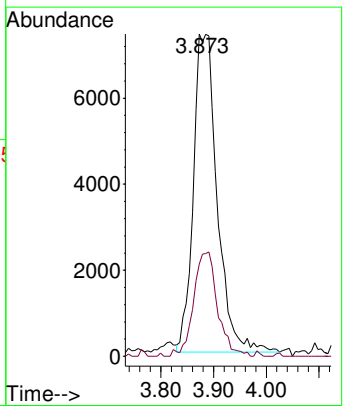


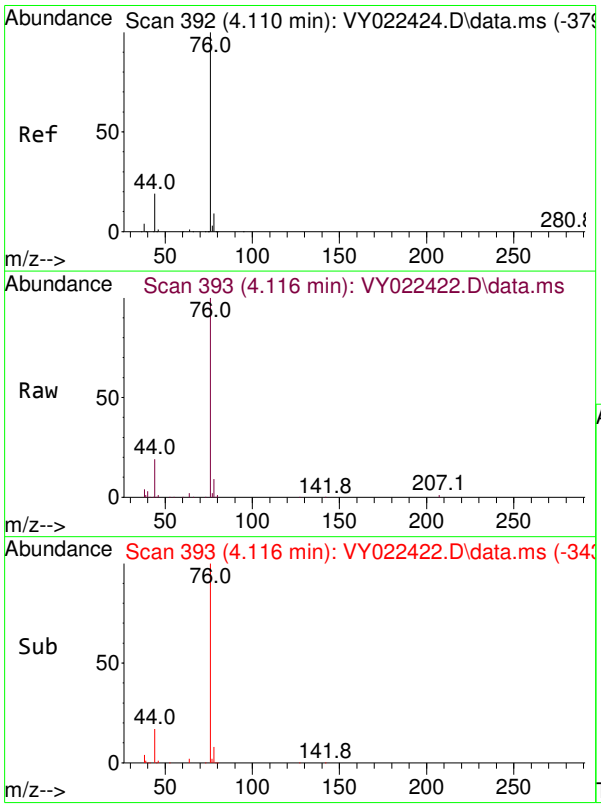


#16
Acetone
Concen: 52.221 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 43 Resp: 23174

Ion	Ratio	Lower	Upper
43	100		
58	28.0	20.6	30.8





#17
Carbon Disulfide
Concen: 10.022 ug/l
RT: 4.116 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

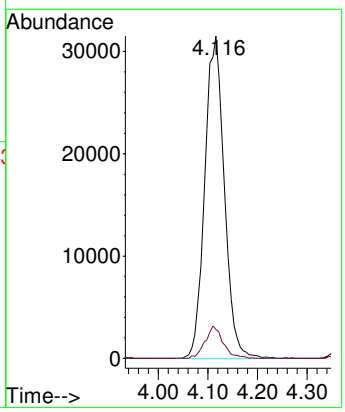
Tgt Ion: 76 Resp: 8591

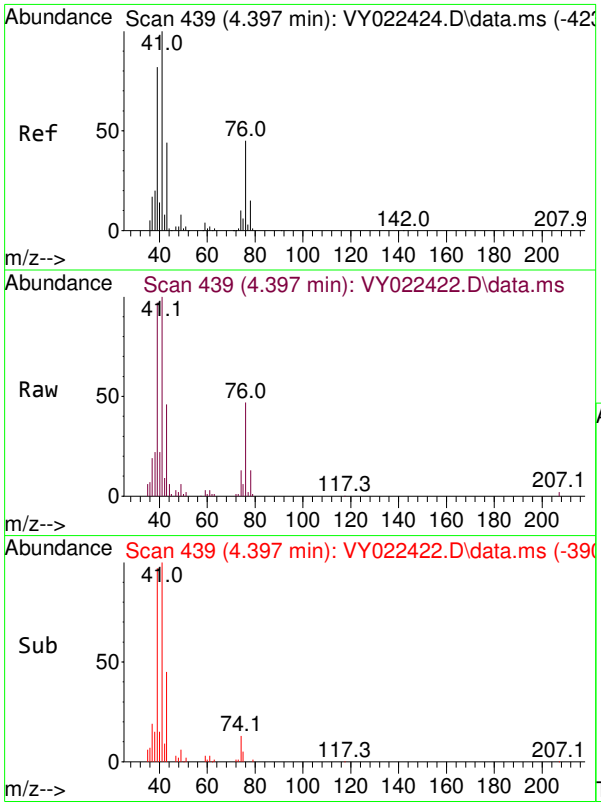
Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

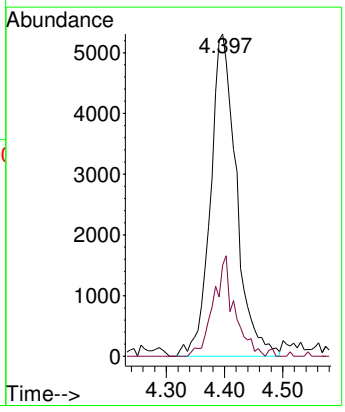


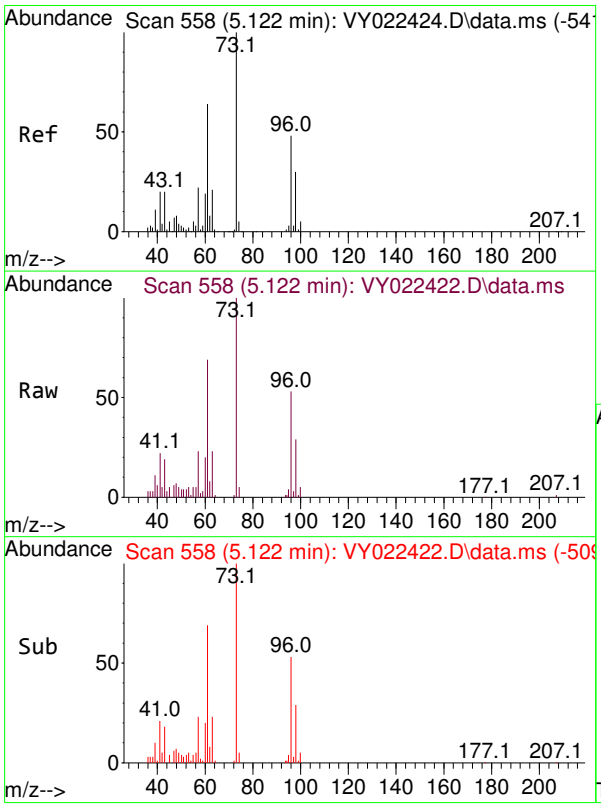


#18
Methyl Acetate
Concen: 9.841 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 43 Resp: 16359

Ion	Ratio	Lower	Upper
43	100		
74	25.5	21.2	31.8





#19
Methyl tert-butyl Ether
Concen: 9.769 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 73 Resp: 6967

Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.7	26.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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Reviewed By :Amit Patel 05/28/2025
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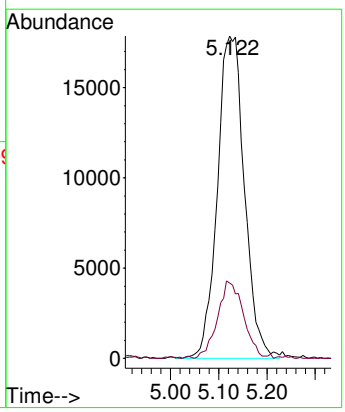
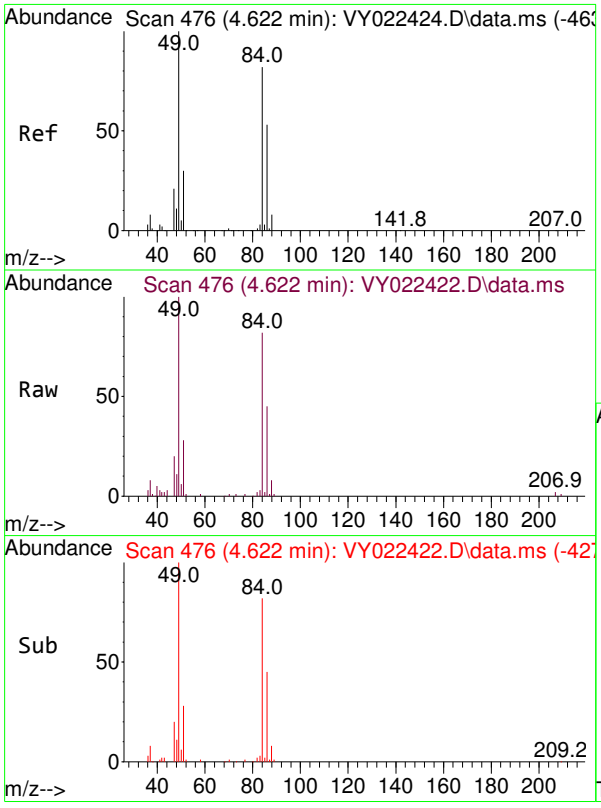
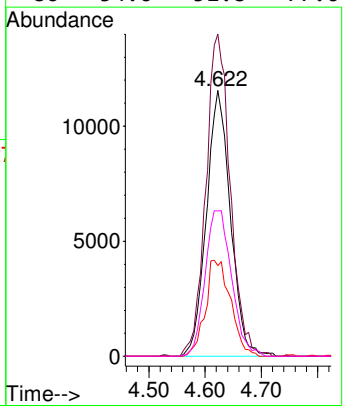


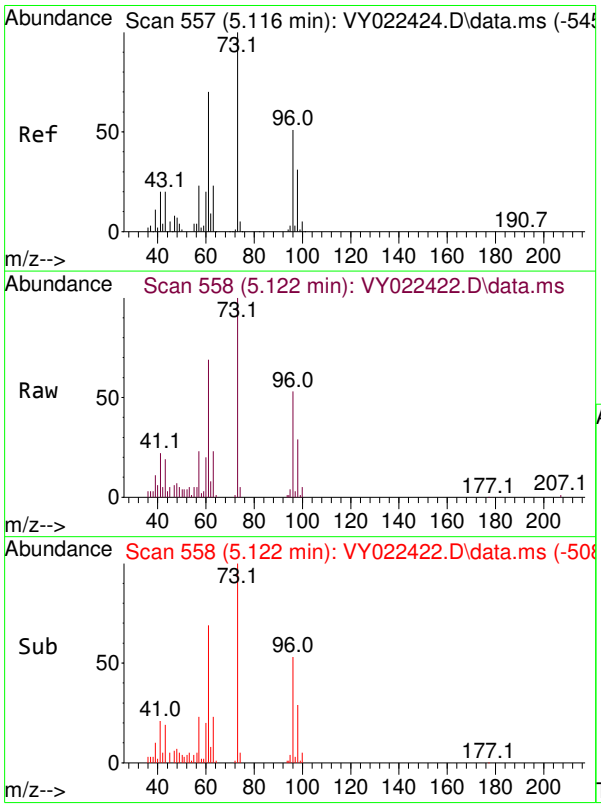


#20
Methylene Chloride
Concen: 10.946 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 84 Resp: 34301

Ion	Ratio	Lower	Upper
84	100		
49	121.3	97.8	146.8
51	34.1	29.5	44.3
86	54.6	51.8	77.6





#21
trans-1,2-Dichloroethene
Concen: 9.724 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 2851

Ion	Ratio	Lower	Upper
96	100		
61	131.0	110.4	165.6
98	55.7	48.6	73.0

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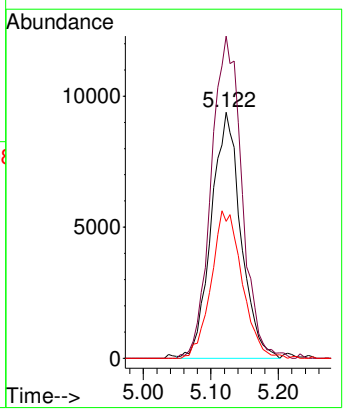
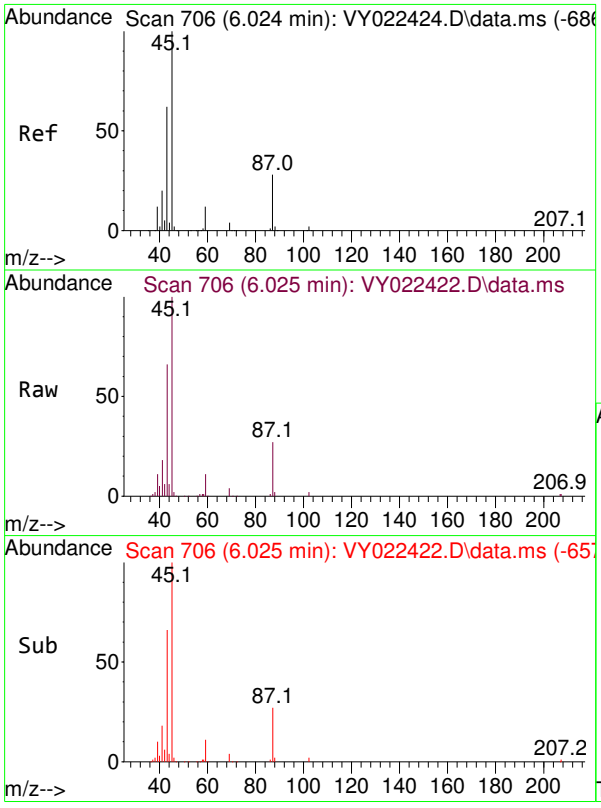
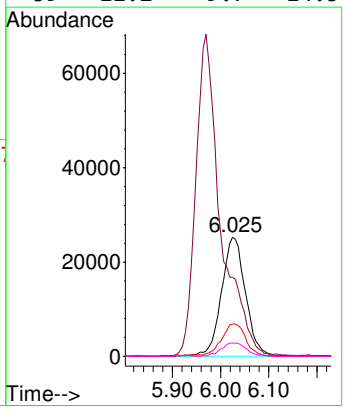


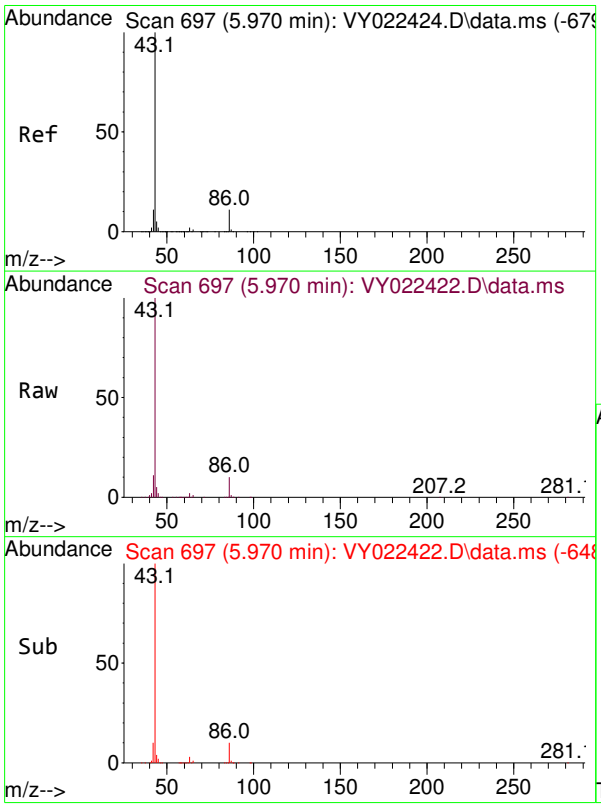


#22
Diisopropyl ether
Concen: 9.756 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 45 Resp: 87002

Ion	Ratio	Lower	Upper
45	100		
43	65.0	49.8	74.8
87	27.1	23.0	34.6
59	11.2	9.7	14.5





#23
Vinyl Acetate
Concen: 47.816 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 43 Resp: 24484

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.8	13.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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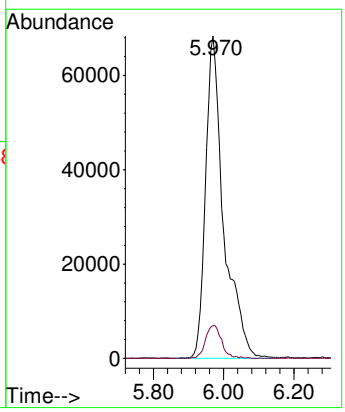
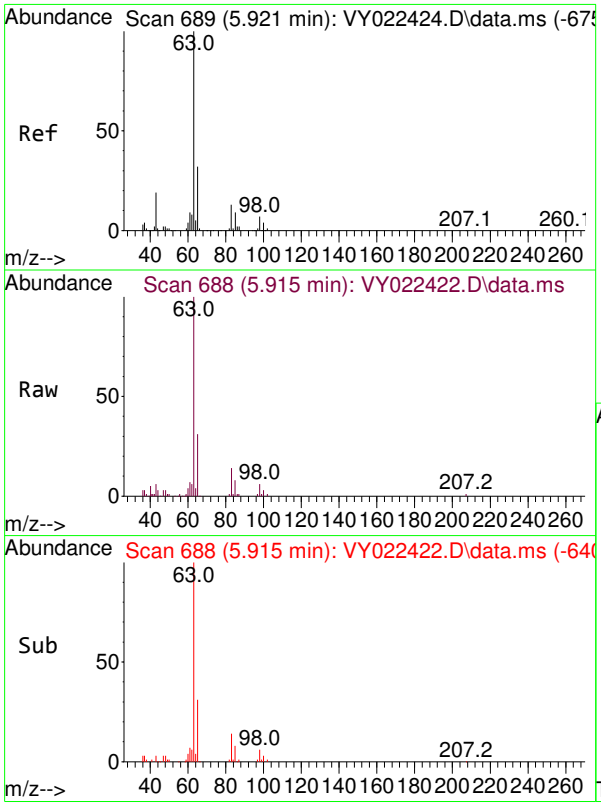
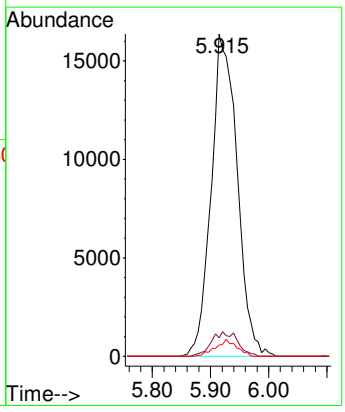


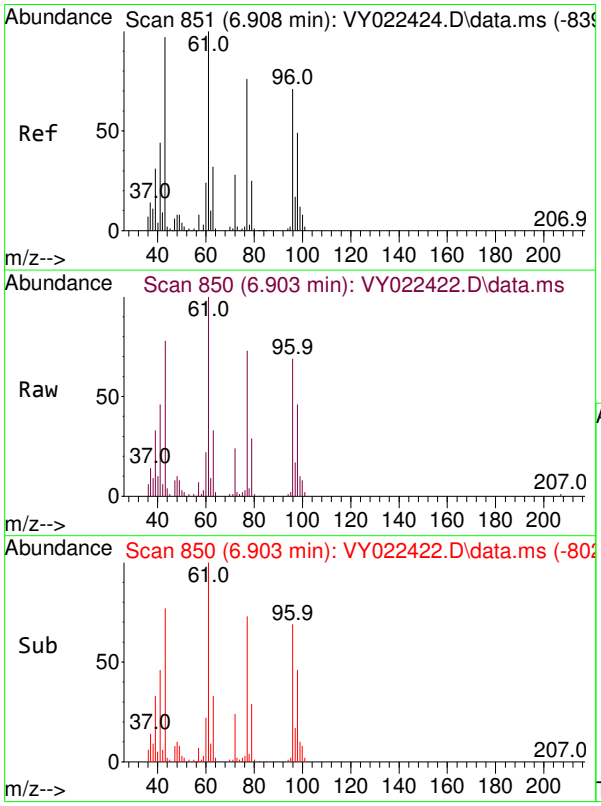


#24
1,1-Dichloroethane
Concen: 9.591 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 63 Resp: 50541

Ion	Ratio	Lower	Upper
63	100		
98	5.7	3.5	10.5
100	3.5	2.1	6.5





#25
2-Butanone
Concen: 49.890 ug/l
RT: 6.903 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 43 Resp: 3687

Ion	Ratio	Lower	Upper
43	100		
72	30.4	22.8	34.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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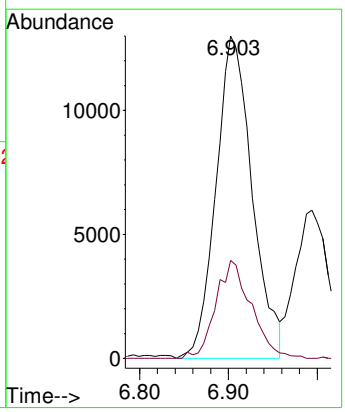
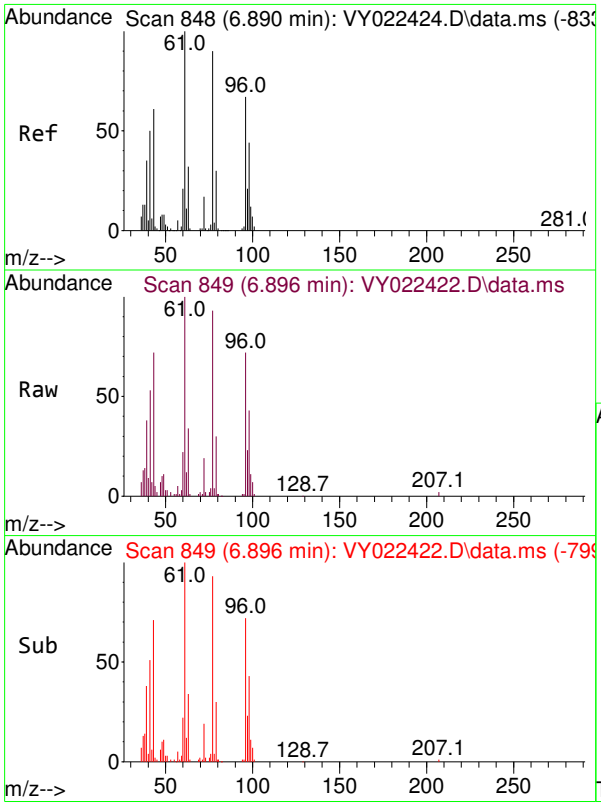
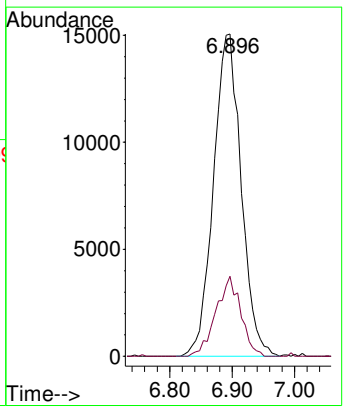


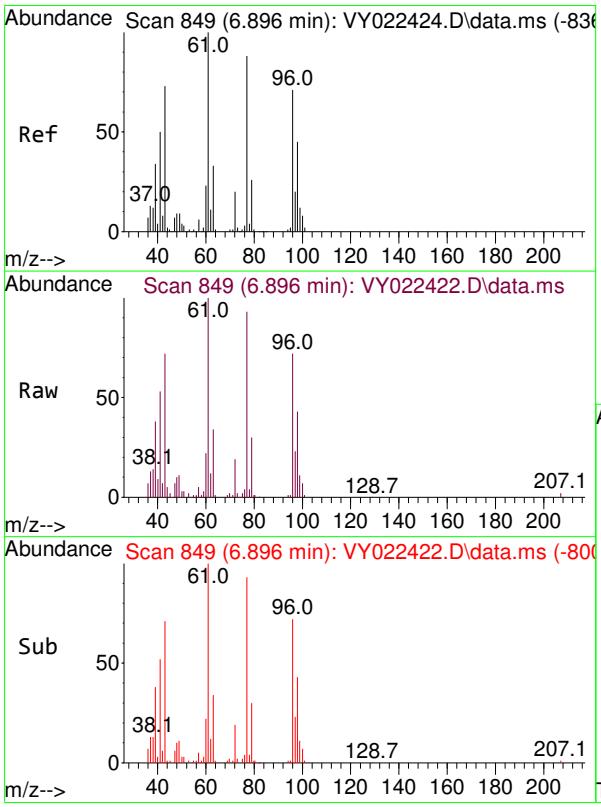


#26
2,2-Dichloropropane
Concen: 9.675 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 77 Resp: 46164

Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.6	34.7





#27
cis-1,2-Dichloroethene
Concen: 9.778 ug/l
RT: 6.896 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 96 Resp: 3319

Ion	Ratio	Lower	Upper
96	100		
61	145.9	0.0	292.0
98	63.4	0.0	131.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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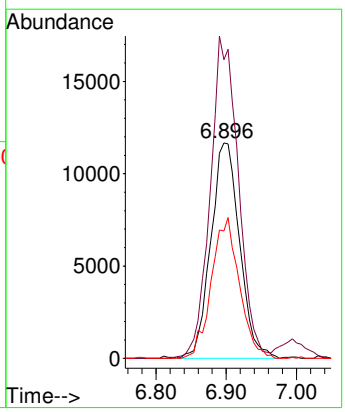
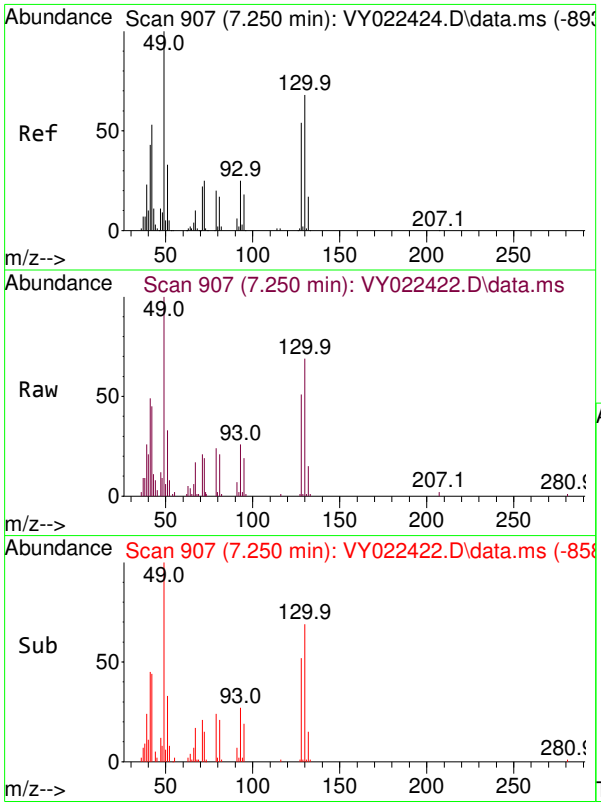
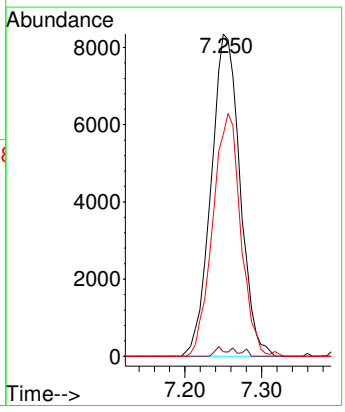


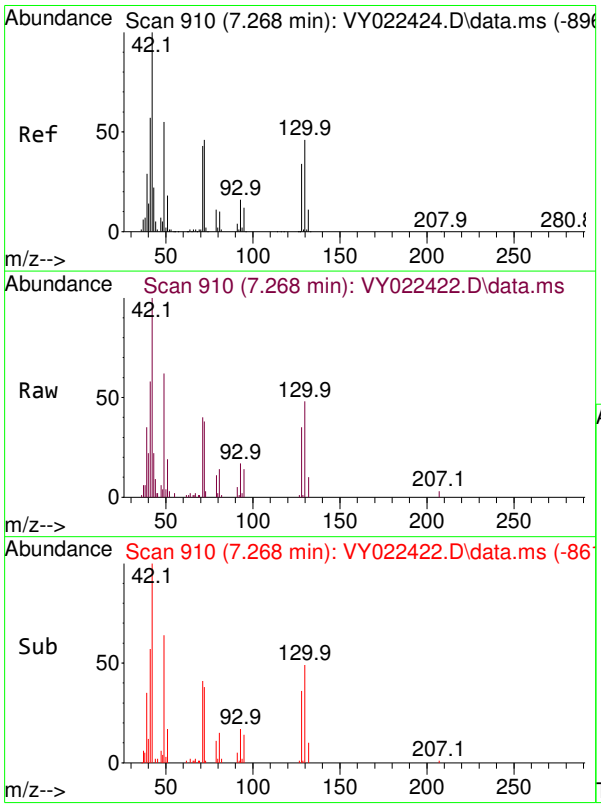


#28
Bromochloromethane
Concen: 9.927 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 49 Resp: 21845

Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.0
130	72.8	56.9	85.3





#29
Tetrahydrofuran
Concen: 48.732 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 42 Resp: 2402

Ion	Ratio	Lower	Upper
42	100		
72	43.2	37.7	56.5
71	43.0	34.7	52.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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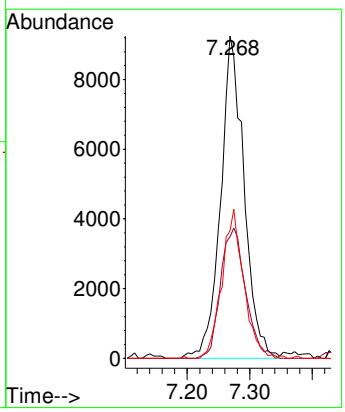
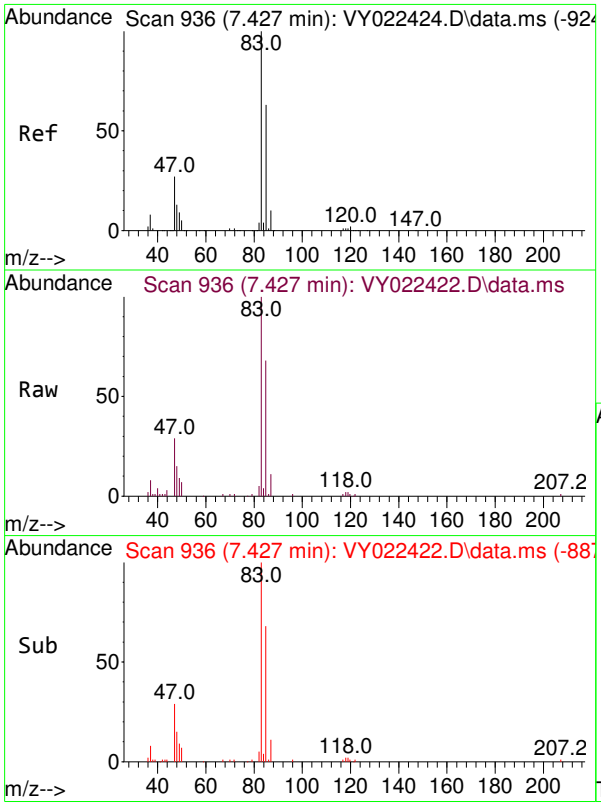
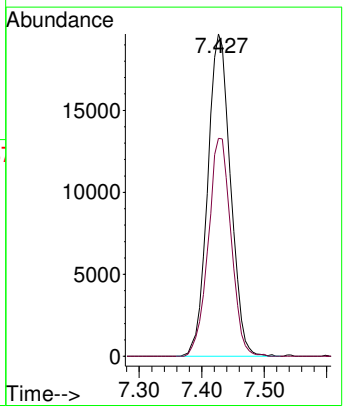


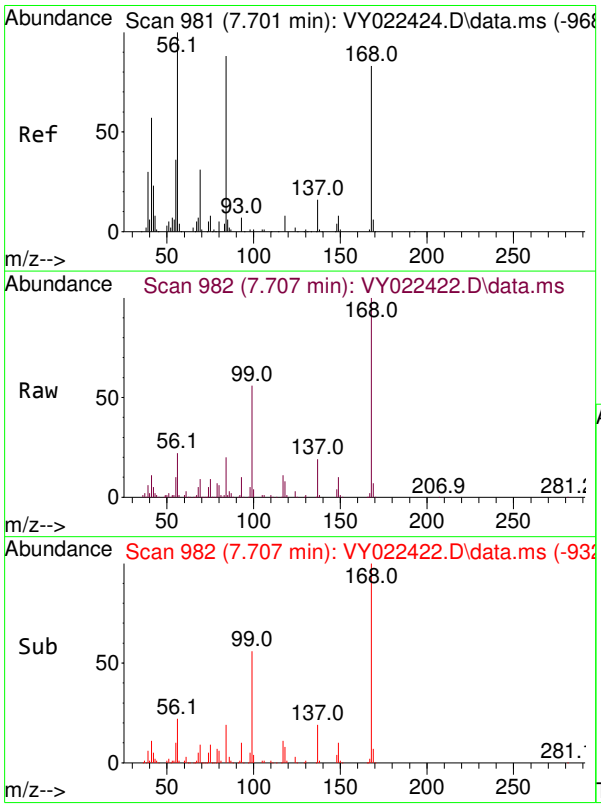


#30
Chloroform
Concen: 9.583 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 83 Resp: 49760

Ion	Ratio	Lower	Upper
83	100		
85	67.6	50.1	75.1





#31
Cyclohexane
Concen: 10.309 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 56 Resp: 5355

Ion	Ratio	Lower	Upper
56	100		
69	41.9	24.6	36.8
84	88.8	70.4	105.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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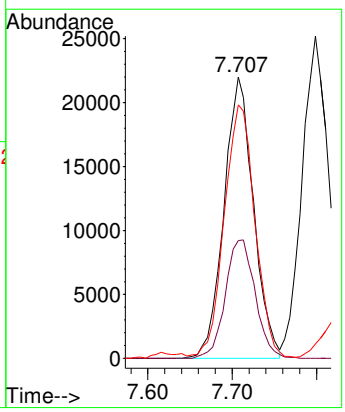
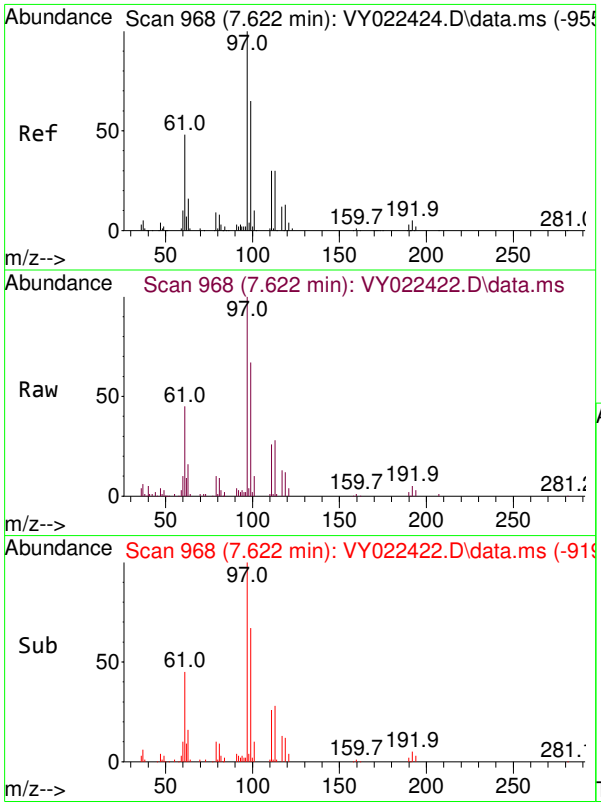
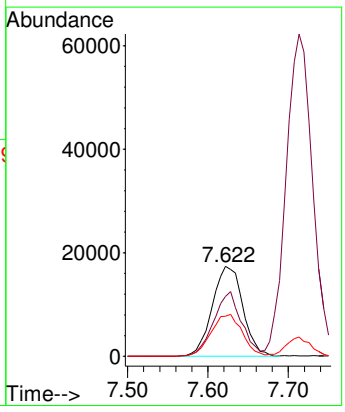


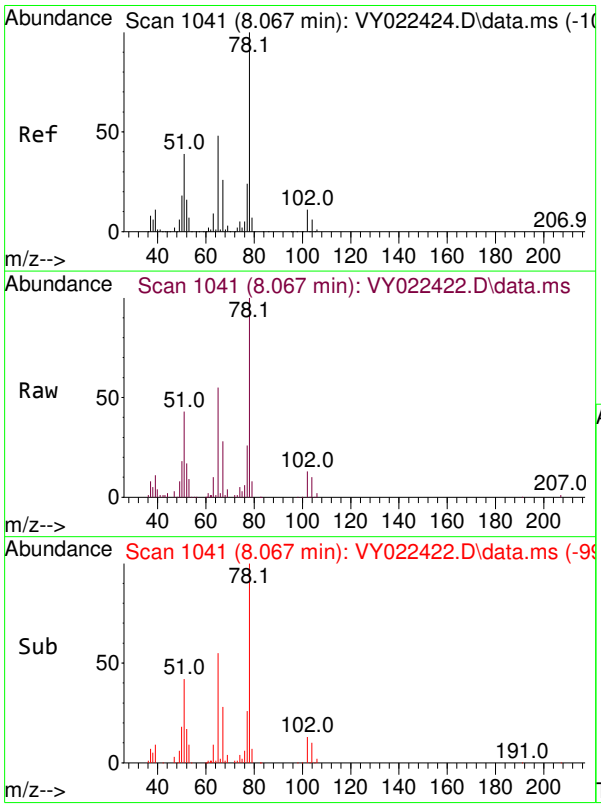


#32
1,1,1-Trichloroethane
Concen: 9.725 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 97 Resp: 45829

Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.3	76.9
61	47.6	37.3	55.9





#33
1,2-Dichloroethane-d4
Concen: 9.971 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 65 Resp: 2692

Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	104.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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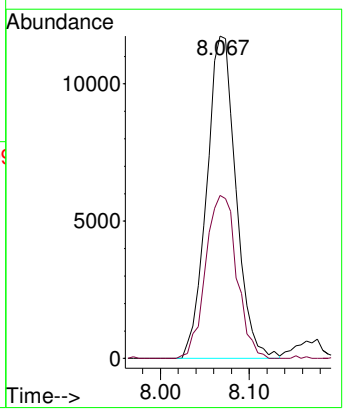
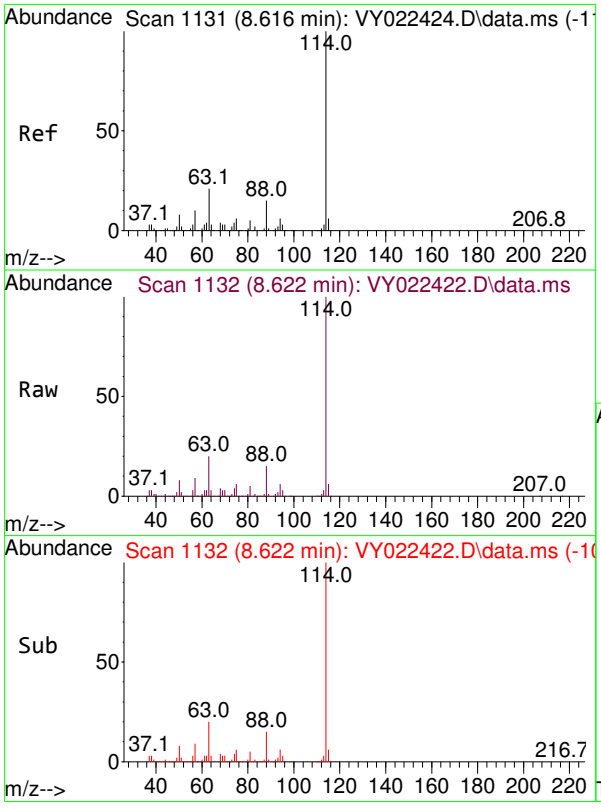
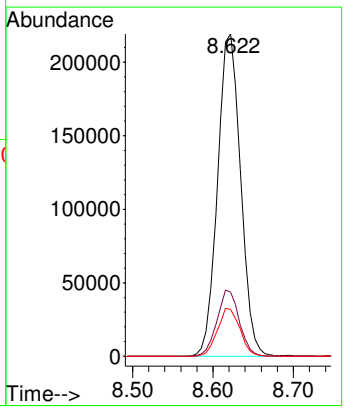


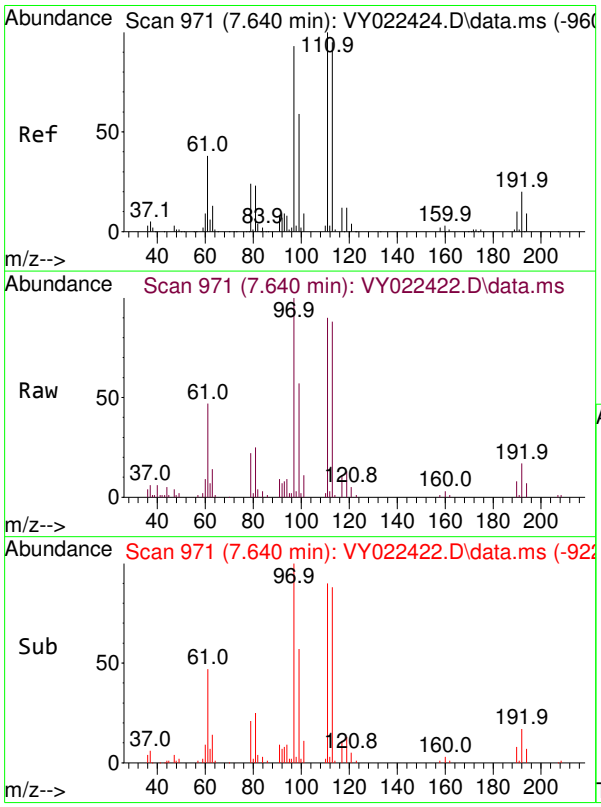


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:114 Resp: 436685

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	42.6
88	14.5	0.0	29.4





#35
Dibromofluoromethane
Concen: 9.584 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:113 Resp: 2450

Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.4	123.6
192	19.1	15.2	22.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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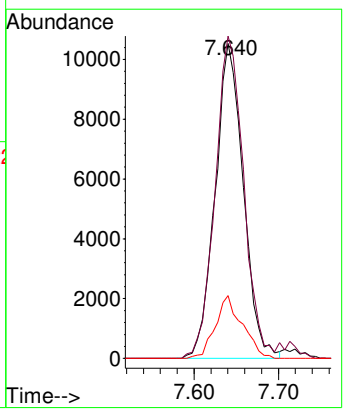
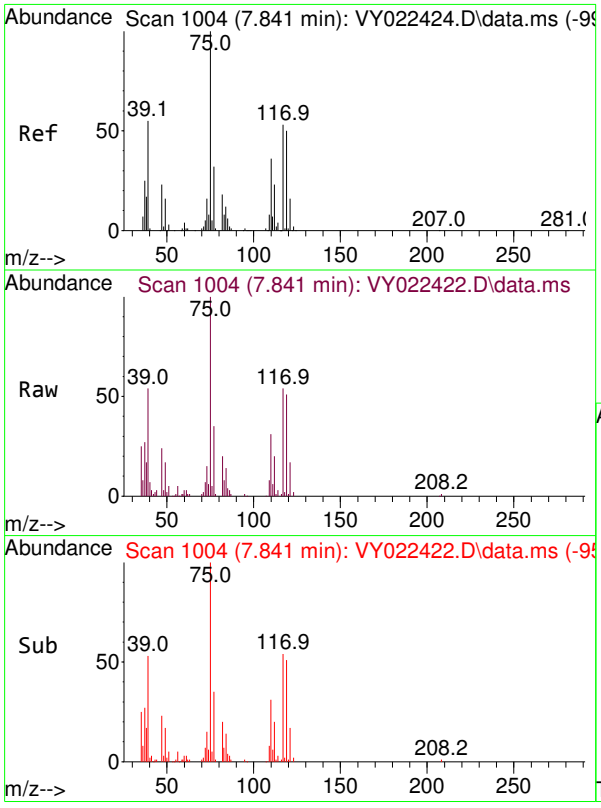
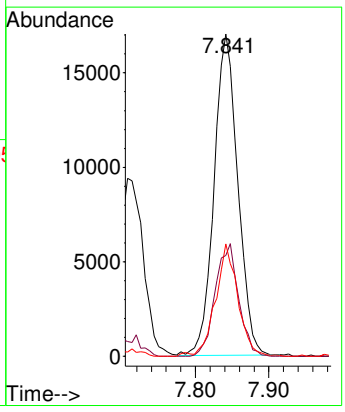


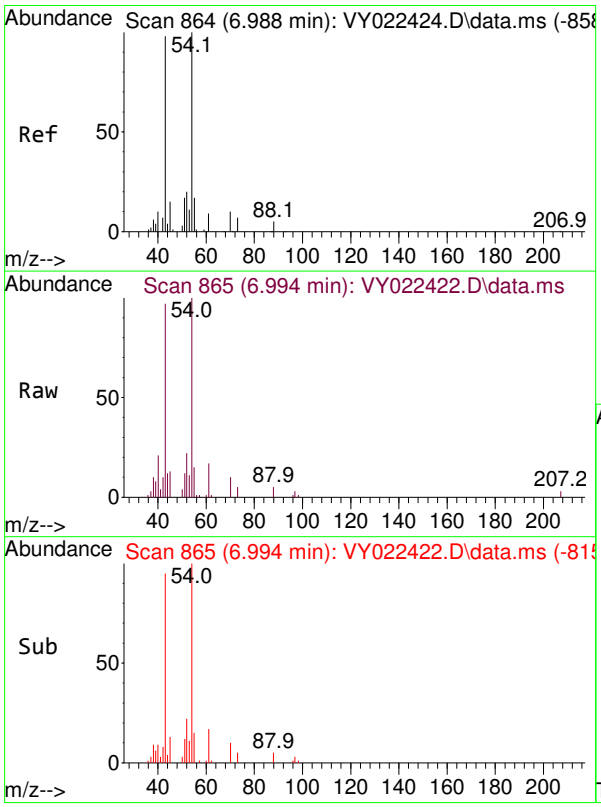


#36
1,1-Dichloropropene
Concen: 9.404 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 75 Resp: 38161

Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.1	51.2
77	33.1	25.1	37.7





#37
Ethyl Acetate
Concen: 9.406 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

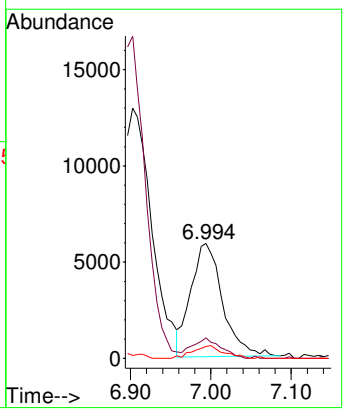
Tgt Ion: 43 Resp: 1622

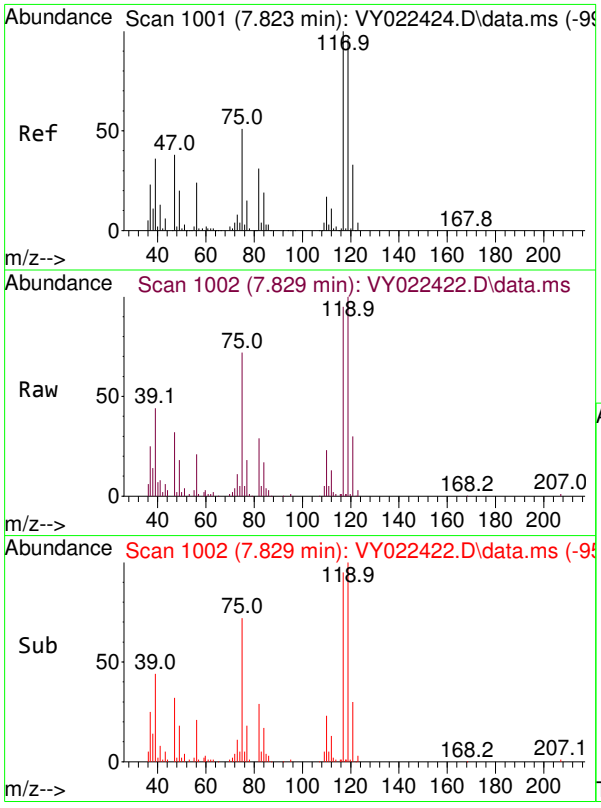
Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.7	17.5
70	10.8	7.8	11.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

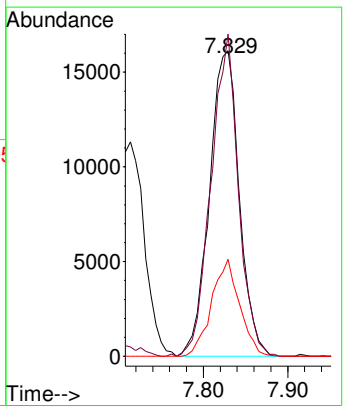


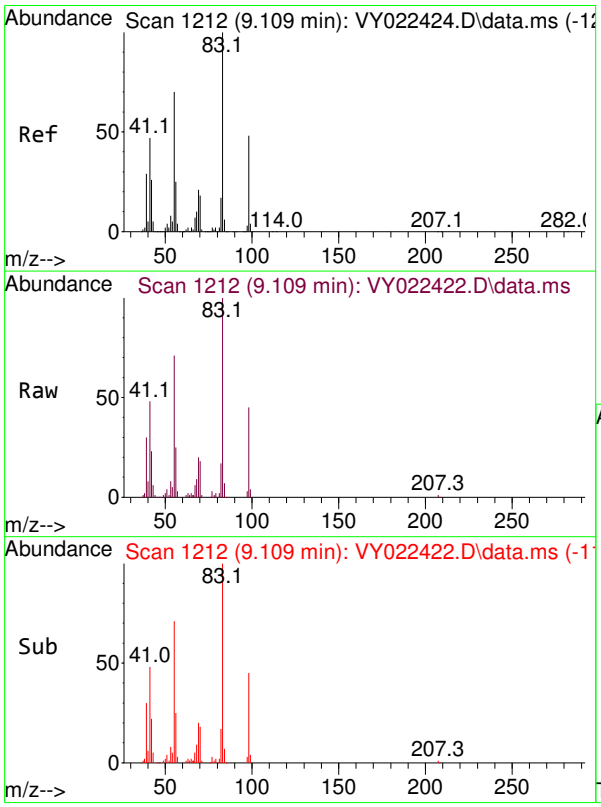


#38
Carbon Tetrachloride
Concen: 9.414 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:117 Resp: 39797

Ion	Ratio	Lower	Upper
117	100		
119	105.5	76.3	114.5
121	31.8	26.1	39.1





#39
Methylcyclohexane
Concen: 9.751 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

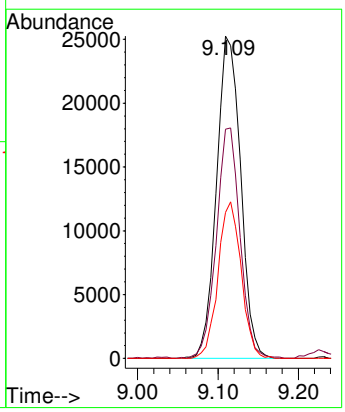
Tgt Ion: 83 Resp: 5260

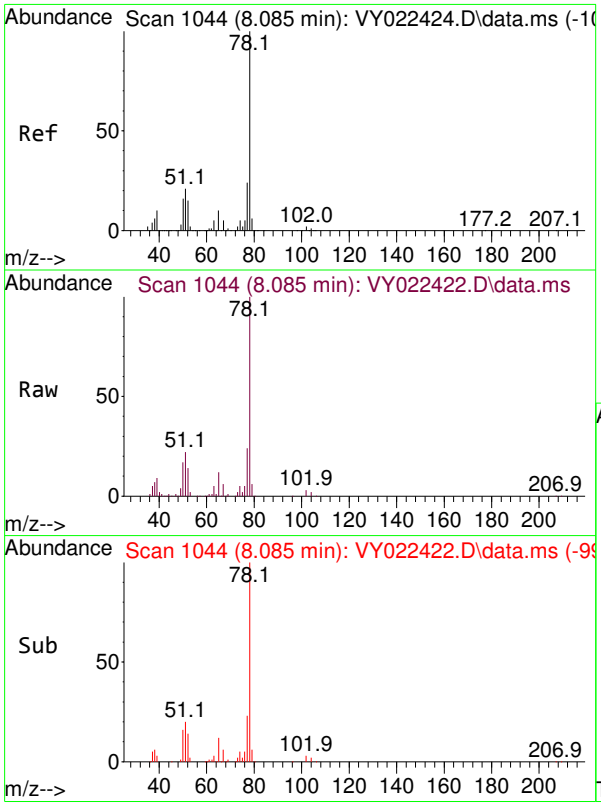
Ion	Ratio	Lower	Upper
83	100		
55	71.0	56.2	84.2
98	45.2	38.4	57.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

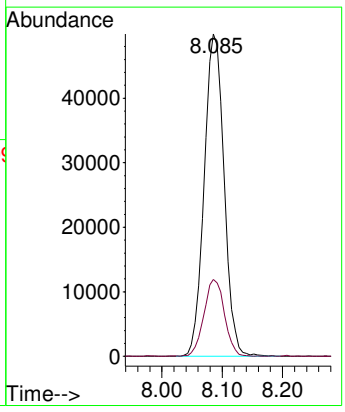


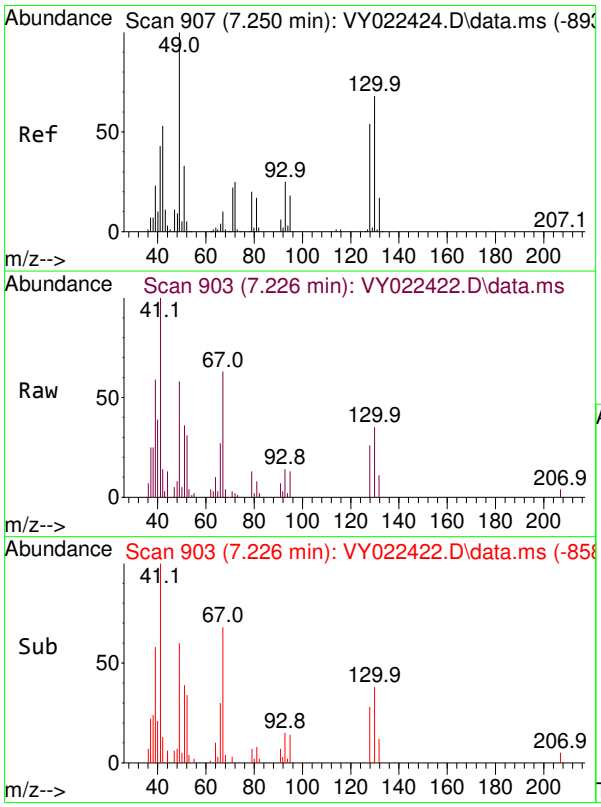


#40
Benzene
Concen: 9.489 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 78 Resp: 114576

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.4	29.2

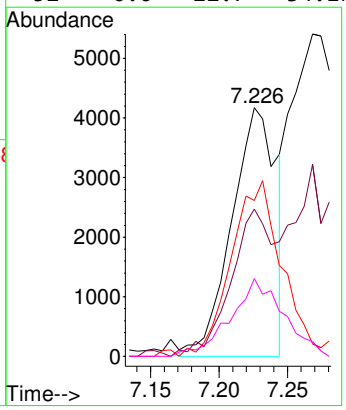




#41
Methacrylonitrile
Concen: 4.158 ug/l m
RT: 7.226 min Scan# 9
Delta R.T. -0.024 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 41 Resp: 943

Ion	Ratio	Lower	Upper
41	100		
39	80.5	40.4	60.6
67	0.0	53.0	79.4
52	0.0	22.7	34.1#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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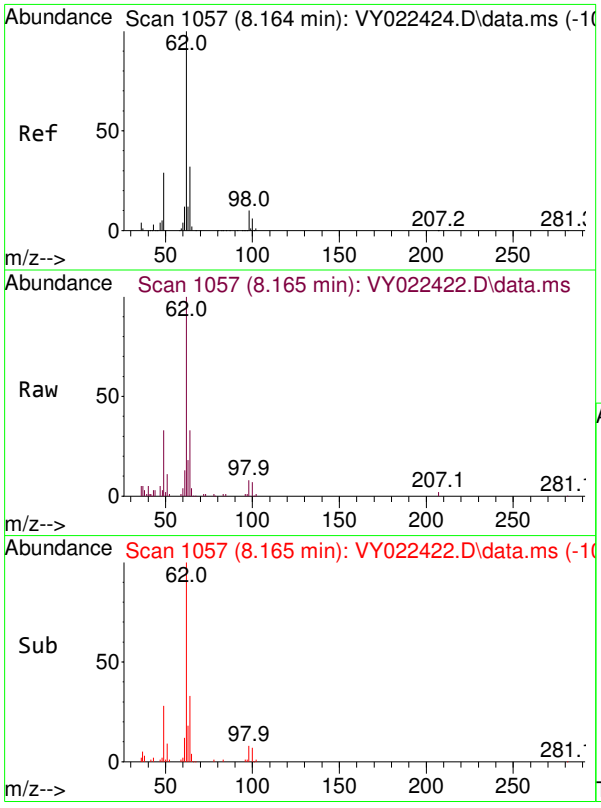
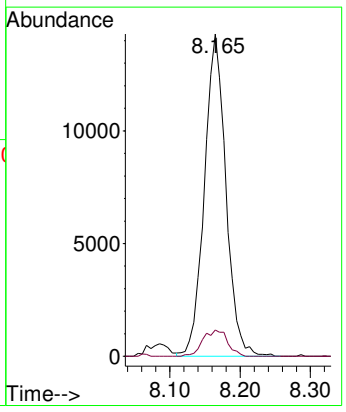
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

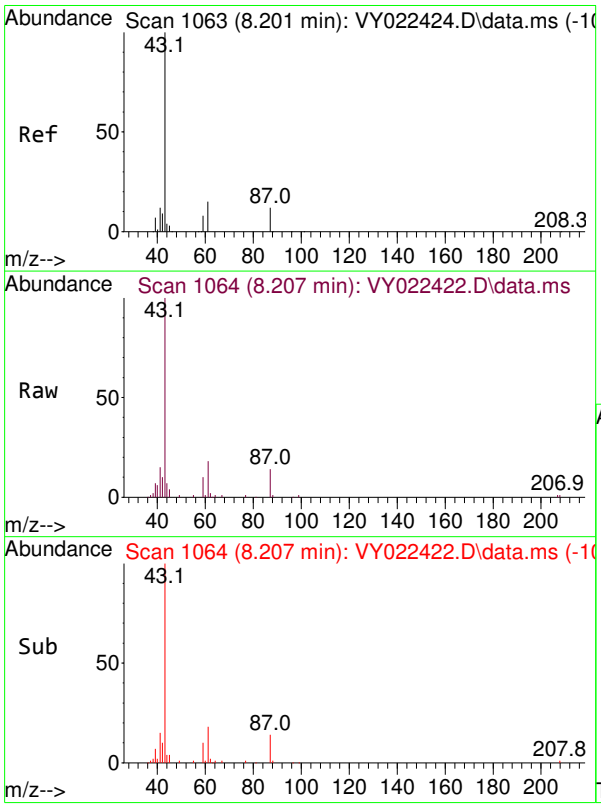


#42
1,2-Dichloroethane
Concen: 9.517 ug/l
RT: 8.165 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 62 Resp: 30350

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.4





#43
Isopropyl Acetate
Concen: 9.707 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 43 Resp: 3658

Ion	Ratio	Lower	Upper
43	100		
61	18.0	15.4	23.0
87	12.5	10.6	15.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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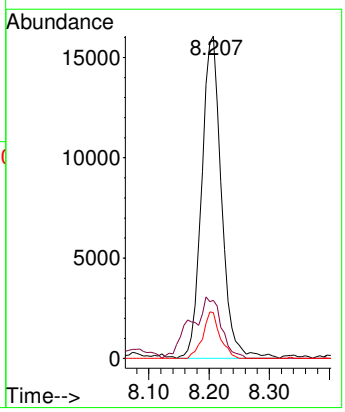
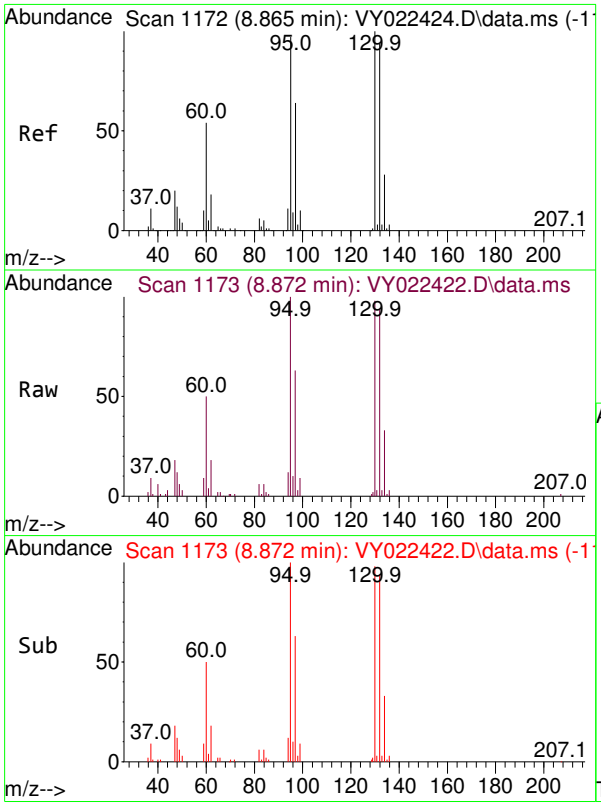
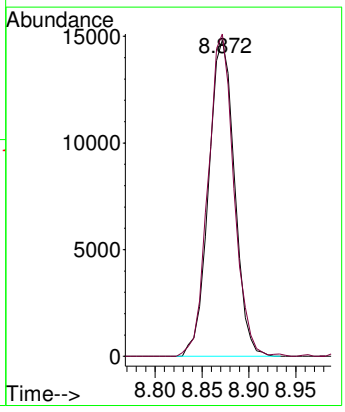


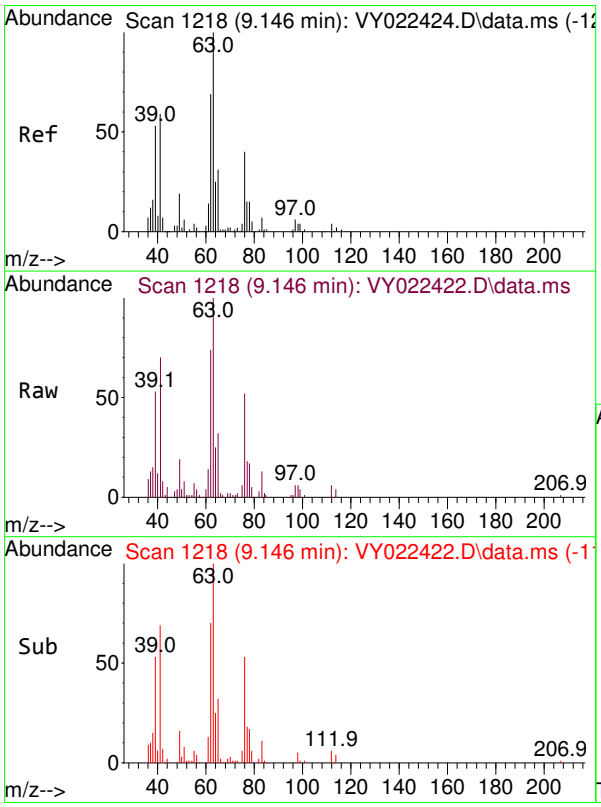


#44
Trichloroethene
Concen: 9.516 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:130 Resp: 28407

Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	194.8





#45
1,2-Dichloropropane
Concen: 9.447 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 63 Resp: 2680

Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.1	37.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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Reviewed By :Amit Patel 05/28/2025
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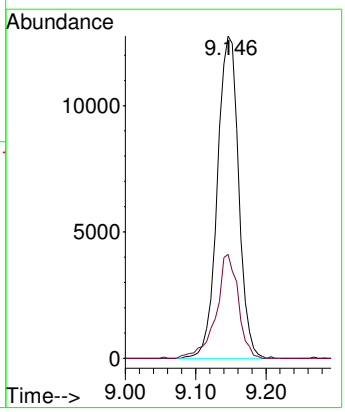
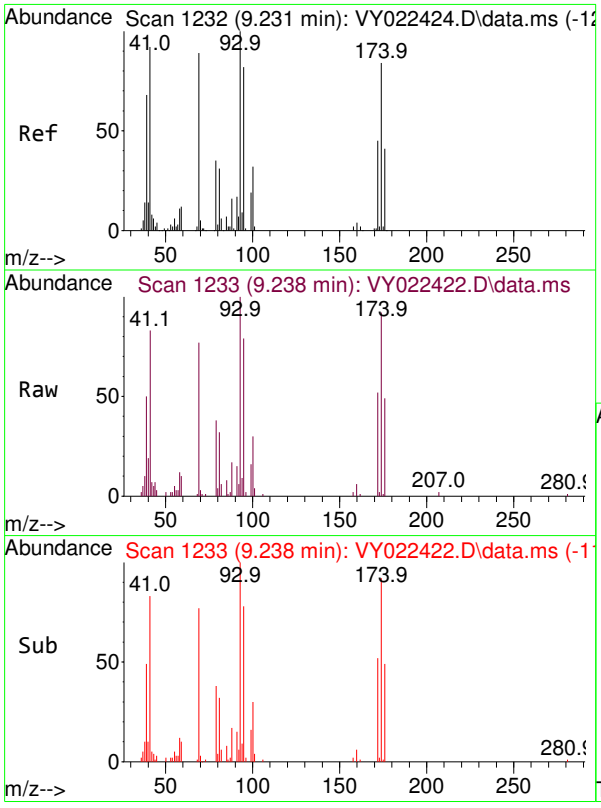
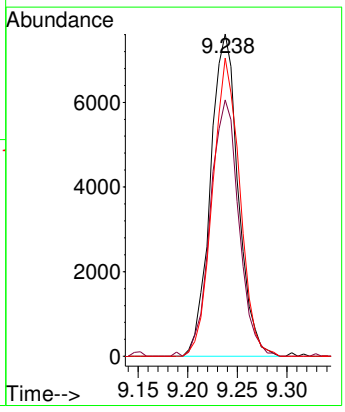


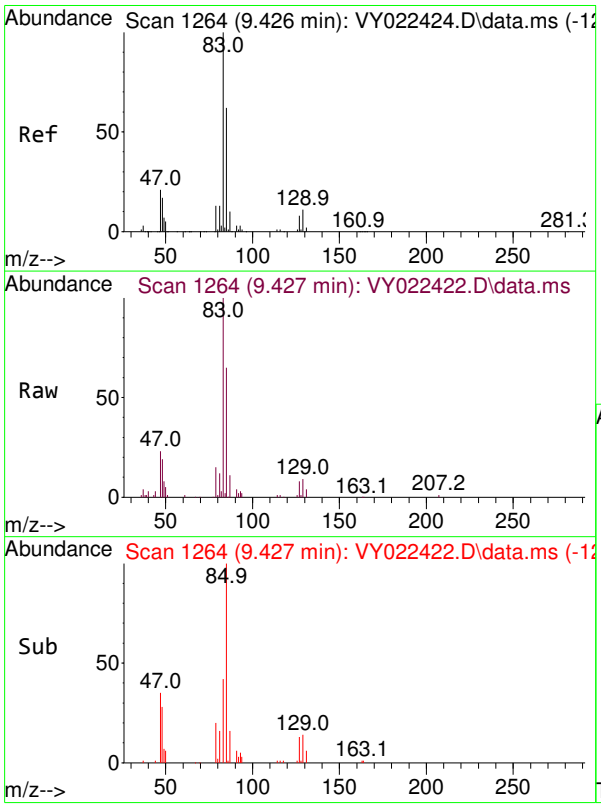


#46
Dibromomethane
Concen: 9.351 ug/l
RT: 9.238 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 93 Resp: 14820

Ion	Ratio	Lower	Upper
93	100		
95	81.8	66.2	99.2
174	91.3	71.1	106.7





#47
Bromodichloromethane
Concen: 9.620 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

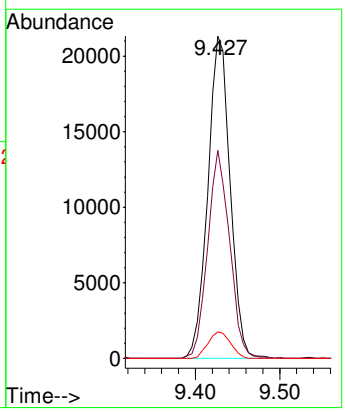
Tgt Ion: 83 Resp: 3920

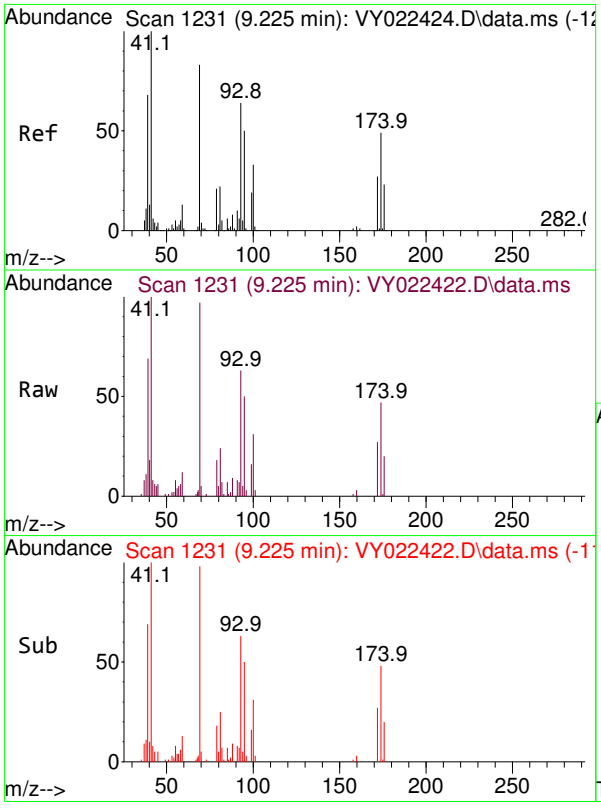
Ion	Ratio	Lower	Upper
83	100		
85	64.6	49.8	74.6
127	8.3	6.6	9.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

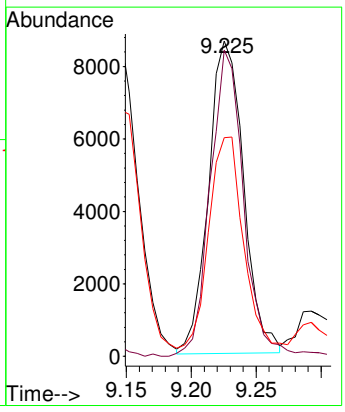


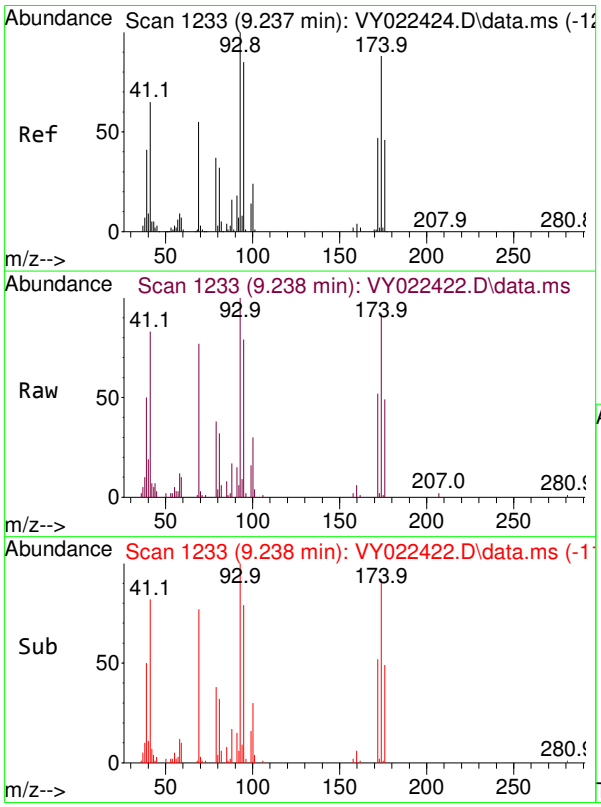


#48
Methyl methacrylate
Concen: 9.239 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 41 Resp: 16163

Ion	Ratio	Lower	Upper
41	100		
69	93.8	70.3	105.5
39	67.0	55.4	83.0





#49
1,4-Dioxane
Concen: 181.086 ug/l
RT: 9.238 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 88 Resp: 317

Ion	Ratio	Lower	Upper
88	100		
43	33.0	26.9	40.3
58	74.4	55.8	83.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Amit Patel 05/28/2025
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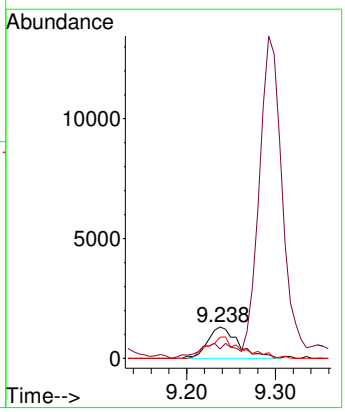
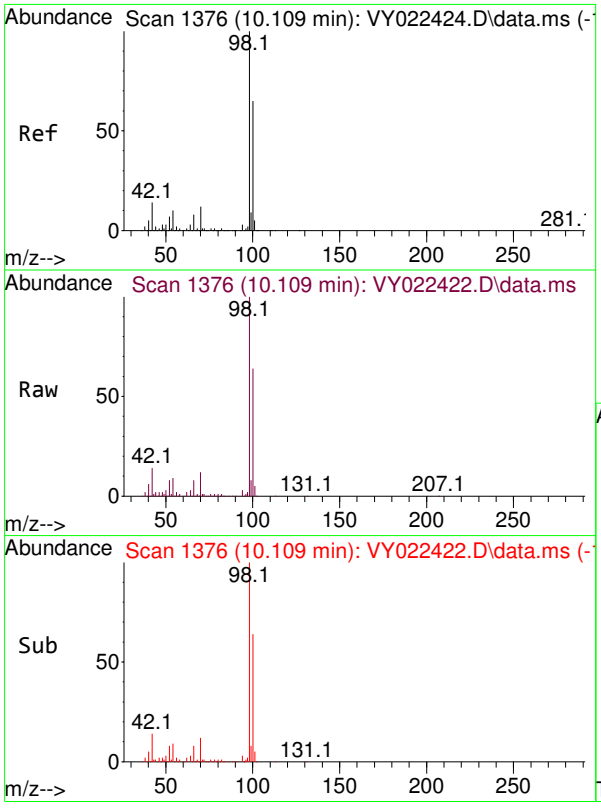
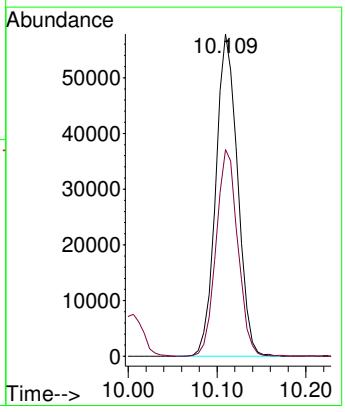


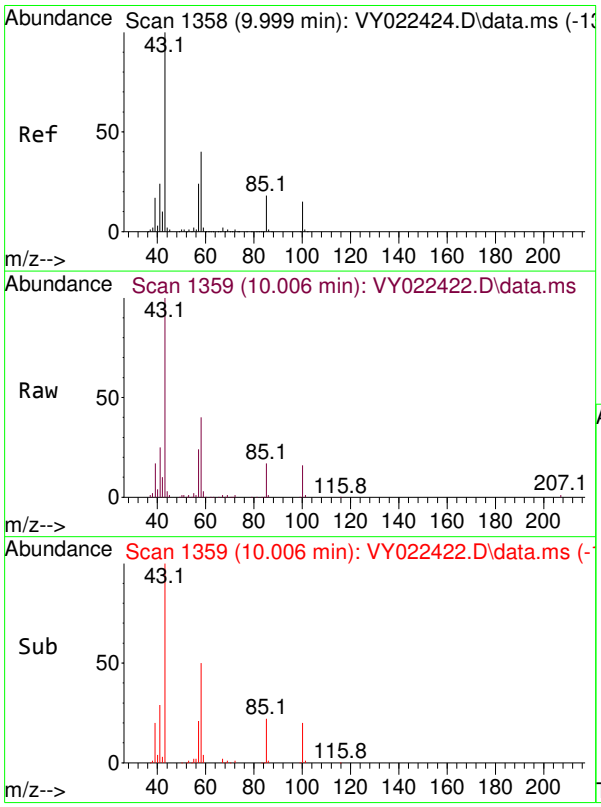


#50
Toluene-d8
Concen: 9.493 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 98 Resp: 98965

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.2	78.2





#51
4-Methyl-2-Pentanone
Concen: 46.358 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 43 Resp: 8620

Ion	Ratio	Lower	Upper
43	100		
58	37.8	31.2	46.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Amit Patel 05/28/2025
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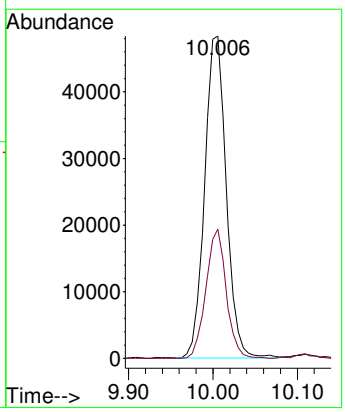
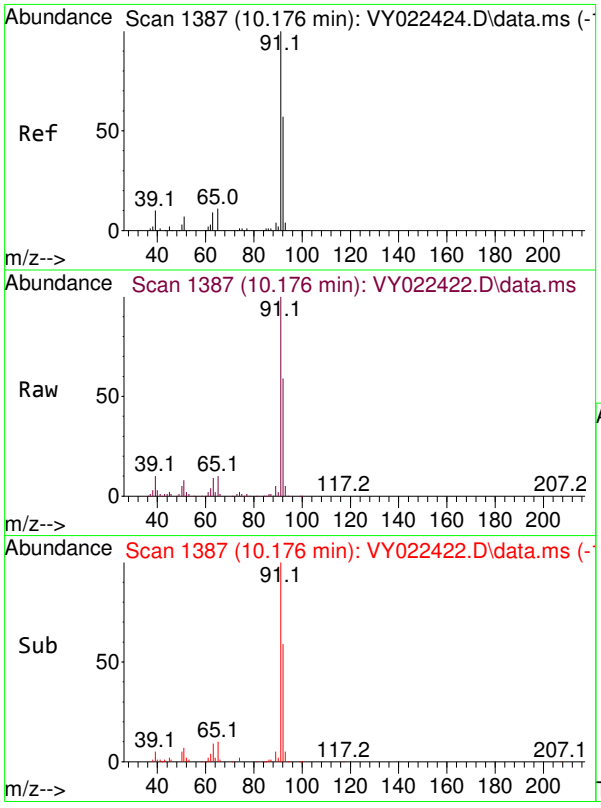
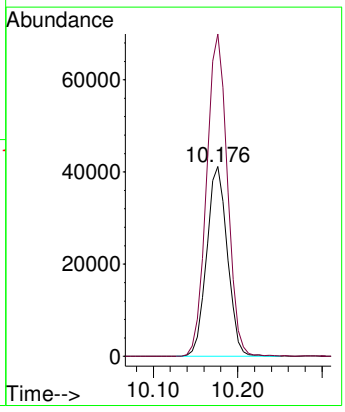


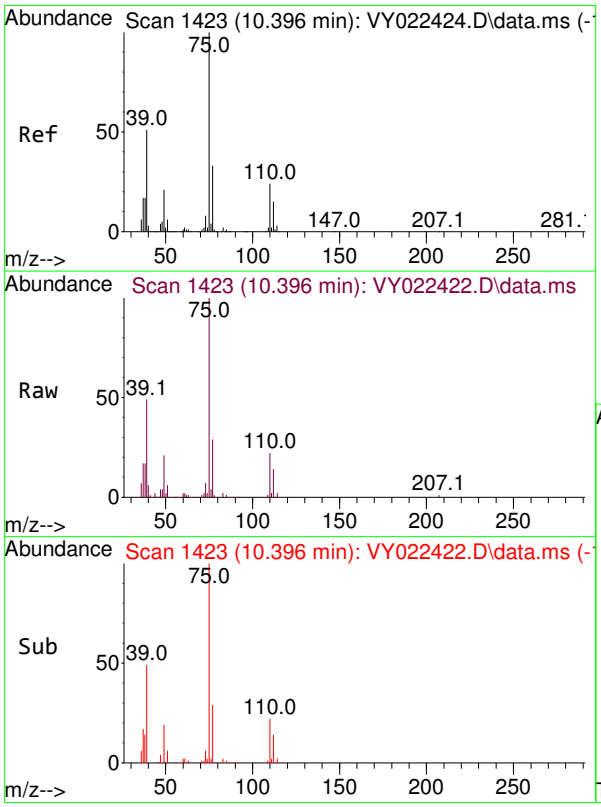


#52
Toluene
Concen: 9.320 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 92 Resp: 70294

Ion	Ratio	Lower	Upper
92	100		
91	171.4	139.8	209.6





#53
t-1,3-Dichloropropene
Concen: 9.528 ug/l
RT: 10.396 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

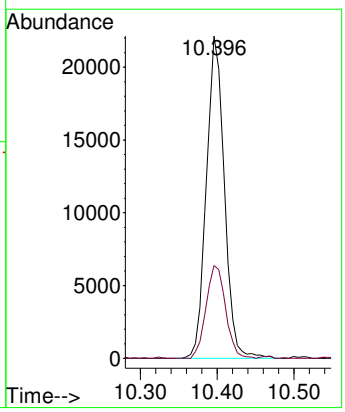
Tgt Ion: 75 Resp: 3617

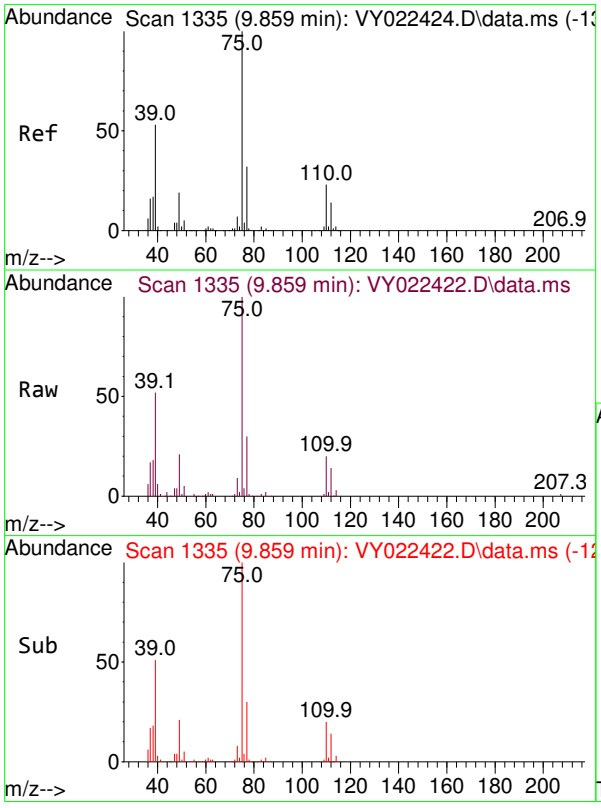
Ion	Ratio	Lower	Upper
75	100		
77	28.8	26.2	39.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

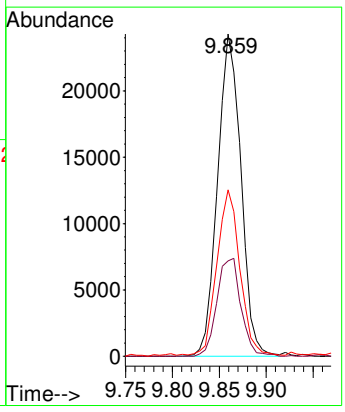


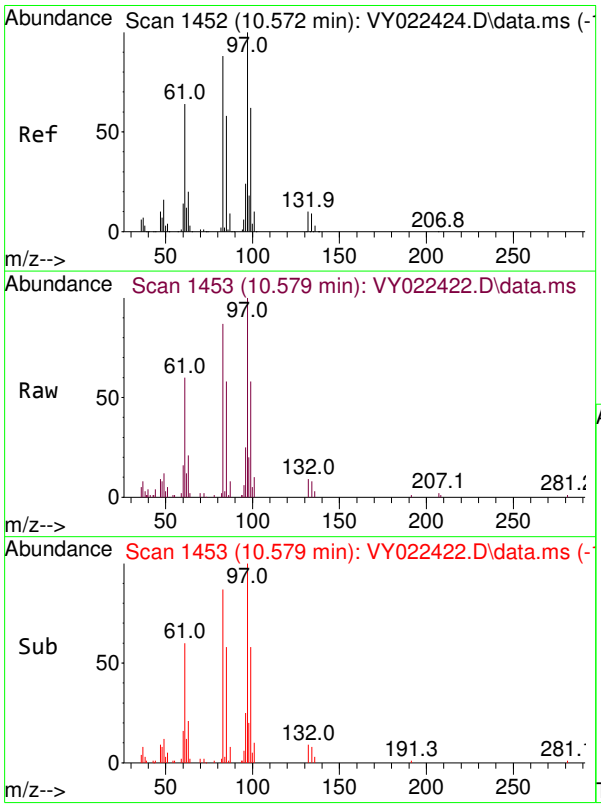


#54
cis-1,3-Dichloropropene
Concen: 9.403 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 75 Resp: 41945

Ion	Ratio	Lower	Upper
75	100		
77	29.6	25.4	38.2
39	51.3	42.5	63.7

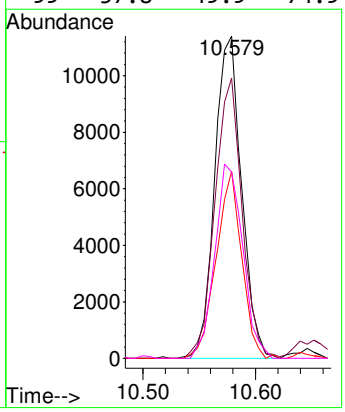




#55
1,1,2-Trichloroethane
Concen: 9.423 ug/l
RT: 10.579 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 97 Resp: 1888

Ion	Ratio	Lower	Upper
97	100		
83	87.0	70.2	105.4
85	58.0	46.1	69.1
99	57.8	49.9	74.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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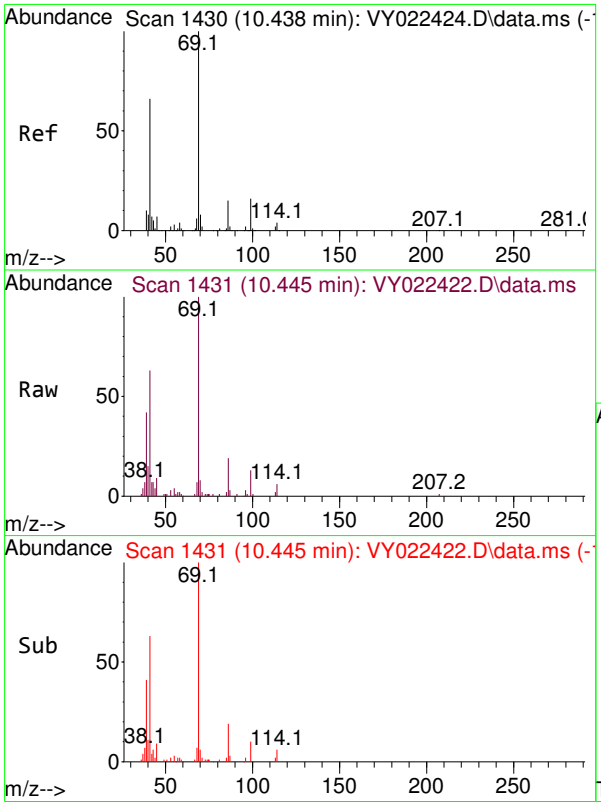
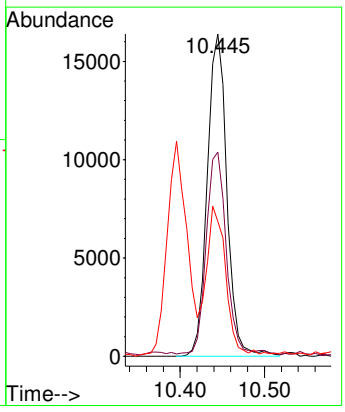
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

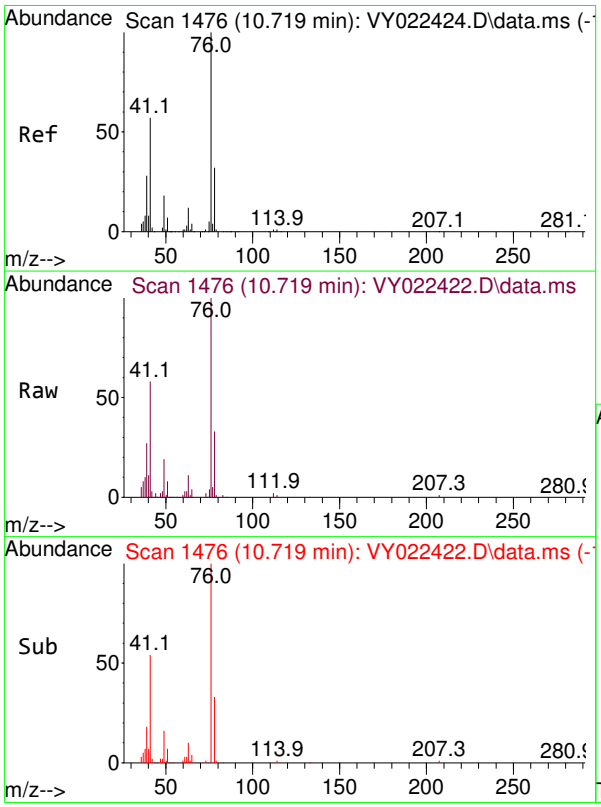


#56
Ethyl methacrylate
Concen: 9.270 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 69 Resp: 26658

Ion	Ratio	Lower	Upper
69	100		
41	63.1	51.2	76.8
39	44.7	35.2	52.8





#57
1,3-Dichloropropane
Concen: 9.587 ug/l
RT: 10.719 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 76 Resp: 3385

Ion	Ratio	Lower	Upper
76	100		
78	33.3	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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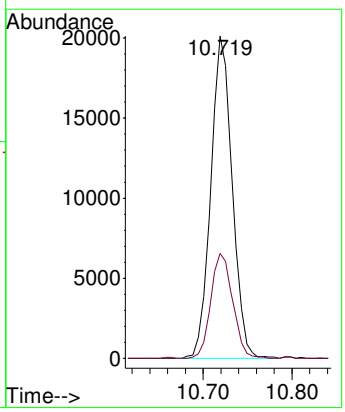
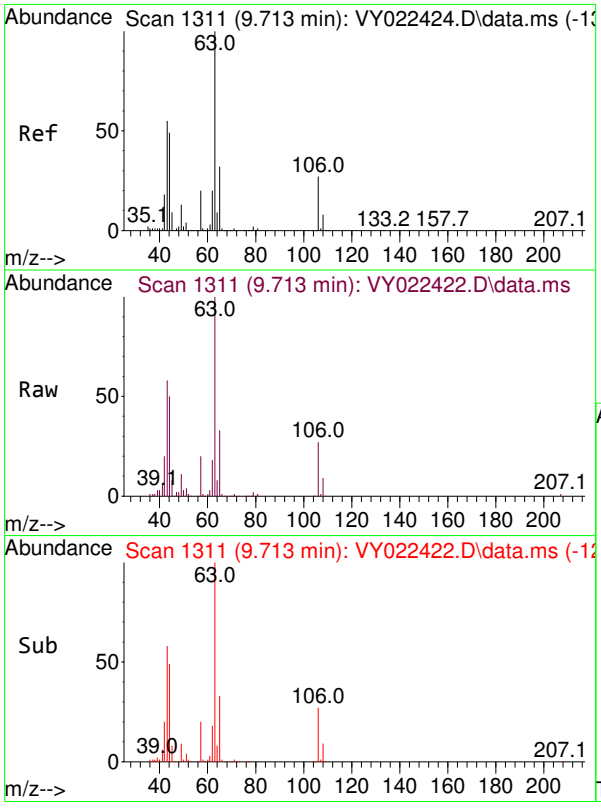
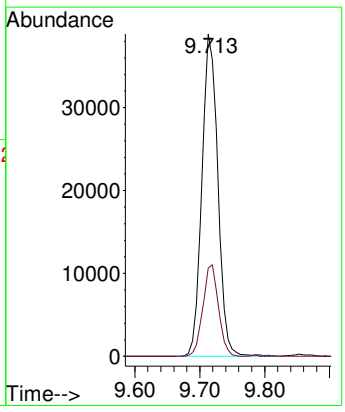


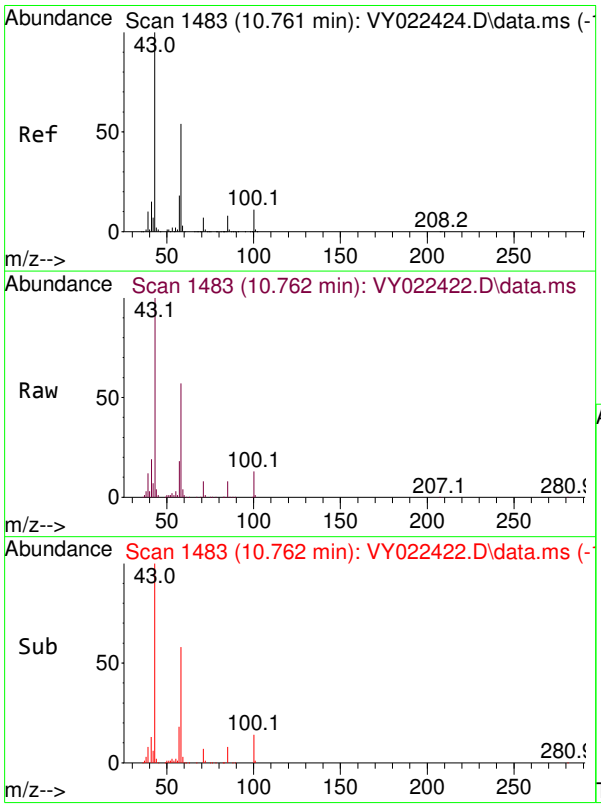


#58
2-Chloroethyl Vinyl ether
Concen: 46.196 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 63 Resp: 66205

Ion	Ratio	Lower	Upper
63	100		
106	27.7	22.2	33.2





#59
2-Hexanone
Concen: 44.963 ug/l
RT: 10.762 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 43 Resp: 5479

Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.1	81.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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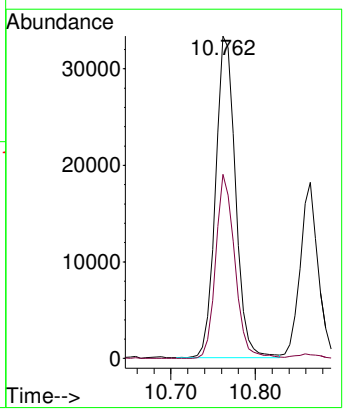
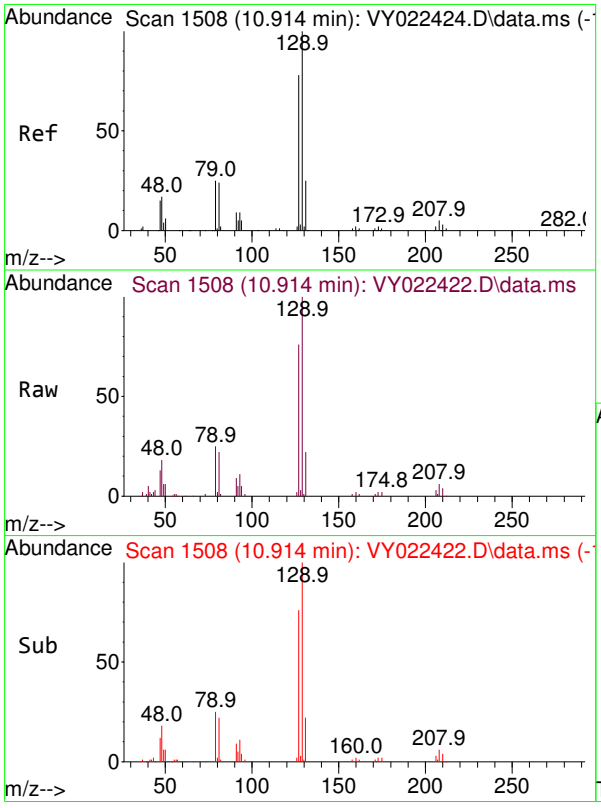
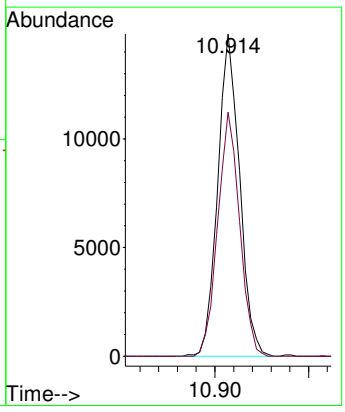


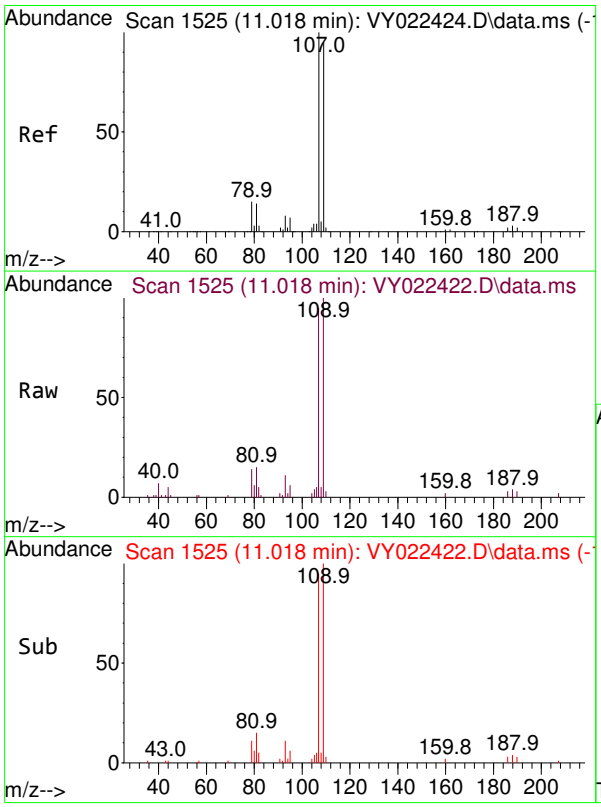


#60
Dibromochloromethane
Concen: 9.340 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:129 Resp: 23908

Ion	Ratio	Lower	Upper
129	100		
127	75.7	38.3	114.8

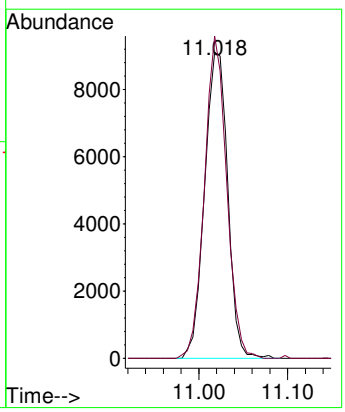




#61
1,2-Dibromoethane
Concen: 9.016 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:107 Resp: 1652

Ion	Ratio	Lower	Upper
107	100		
109	101.1	74.0	111.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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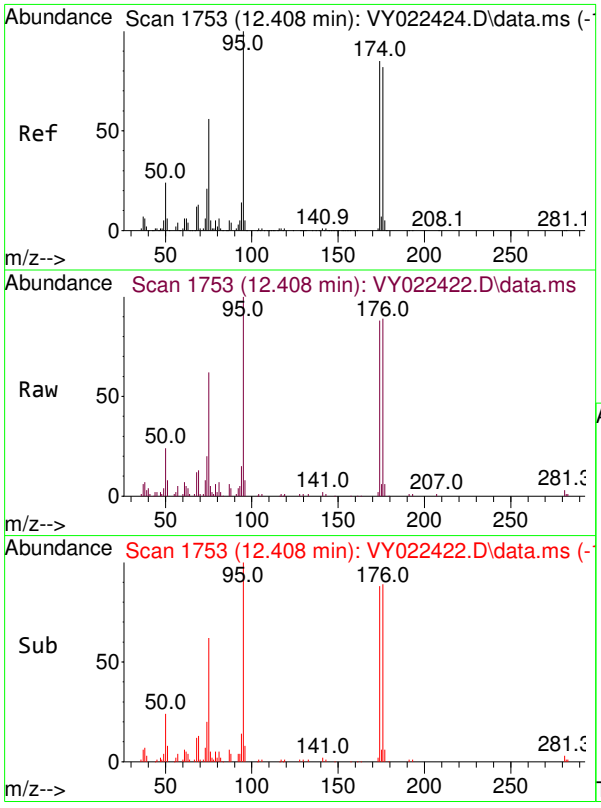
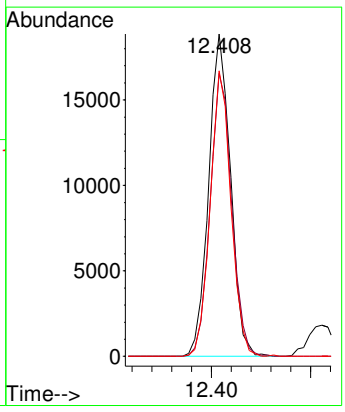
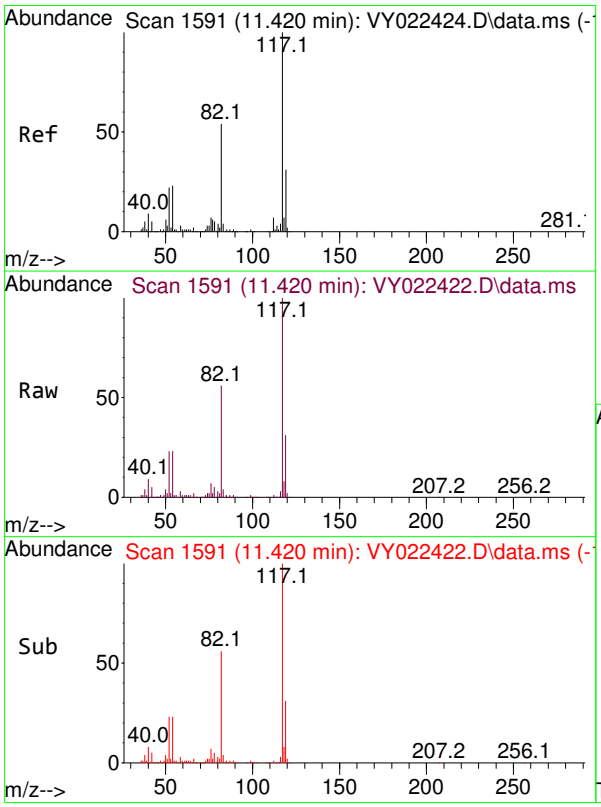


#62
4-Bromofluorobenzene
Concen: 9.163 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 95 Resp: 28894

Ion	Ratio	Lower	Upper
95	100		
174	86.7	0.0	171.6
176	84.0	0.0	164.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:117 Resp: 36268

Ion	Ratio	Lower	Upper
117	100		
82	55.7	43.3	64.9
119	31.3	24.5	36.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Amit Patel 05/28/2025
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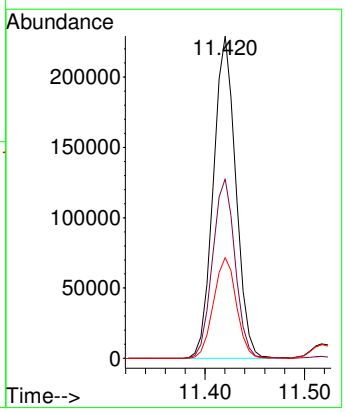
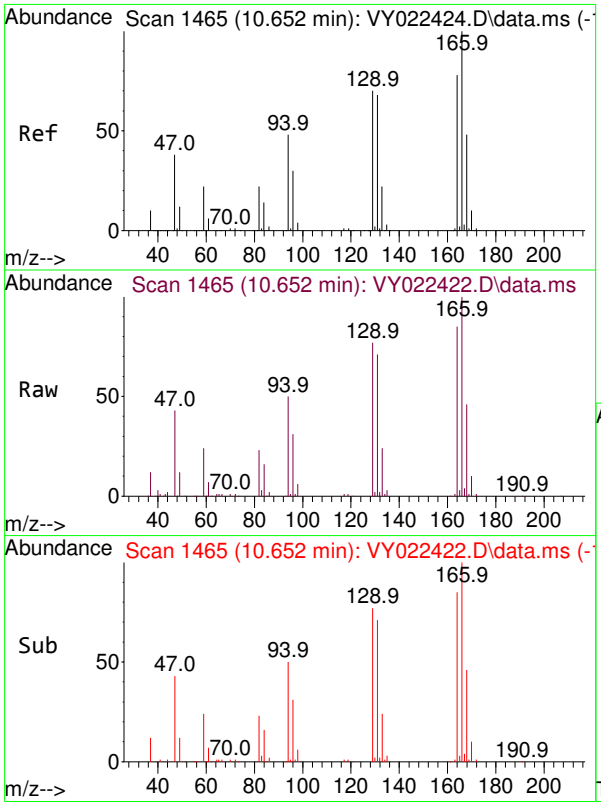
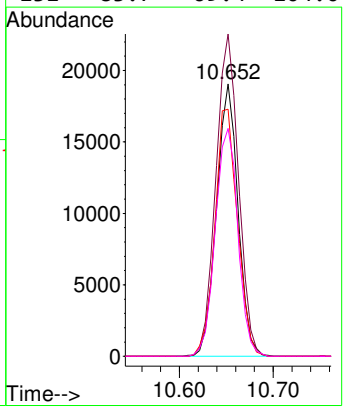


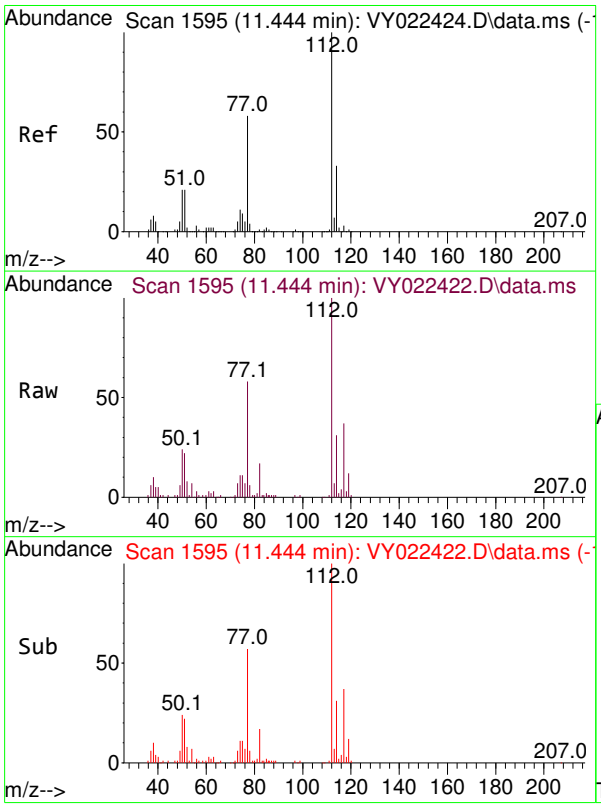


#64
Tetrachloroethene
Concen: 9.789 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:164 Resp: 30237

Ion	Ratio	Lower	Upper
164	100		
166	118.3	102.0	153.0
129	90.7	71.3	106.9
131	83.7	69.4	104.0





#65
Chlorobenzene
Concen: 9.376 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:112 Resp: 7250

Ion	Ratio	Lower	Upper
112	100		
114	31.3	26.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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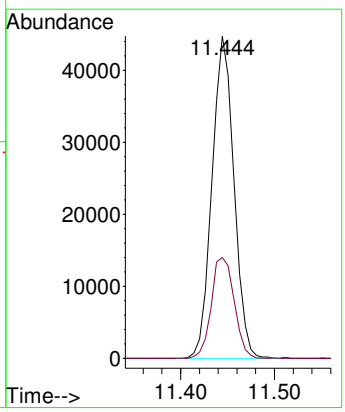
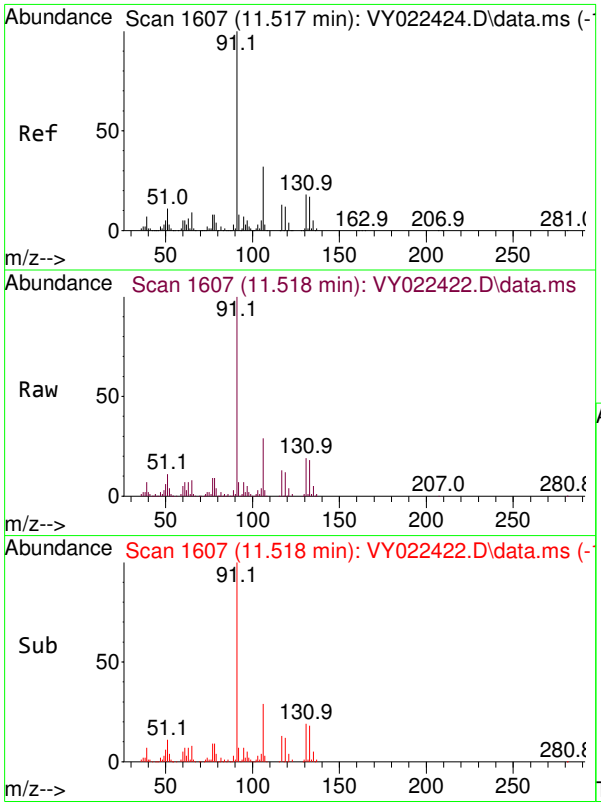
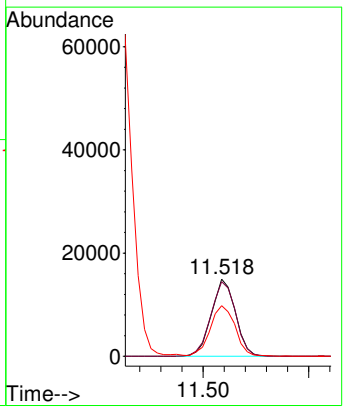


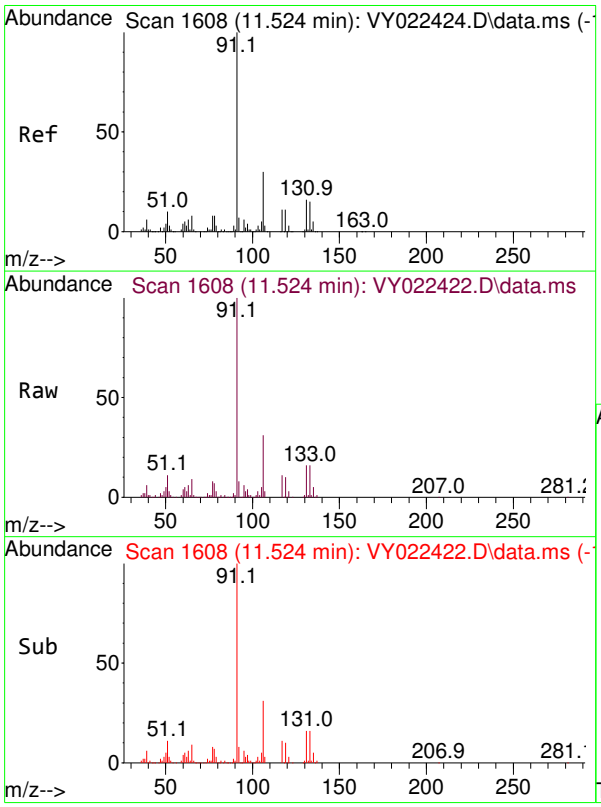


#66
1,1,1,2-Tetrachloroethane
Concen: 9.080 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:131 Resp: 23791

Ion	Ratio	Lower	Upper
131	100		
133	99.8	46.6	139.8
119	68.1	33.3	99.8





#67
Ethyl Benzene
Concen: 9.236 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 91 Resp: 13262

Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.4	36.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Amit Patel 05/28/2025
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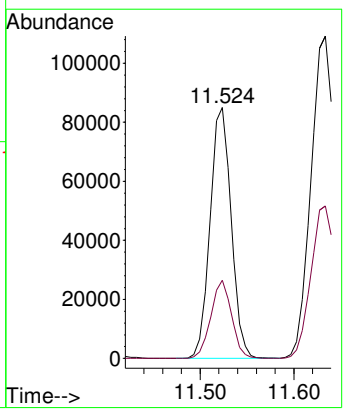
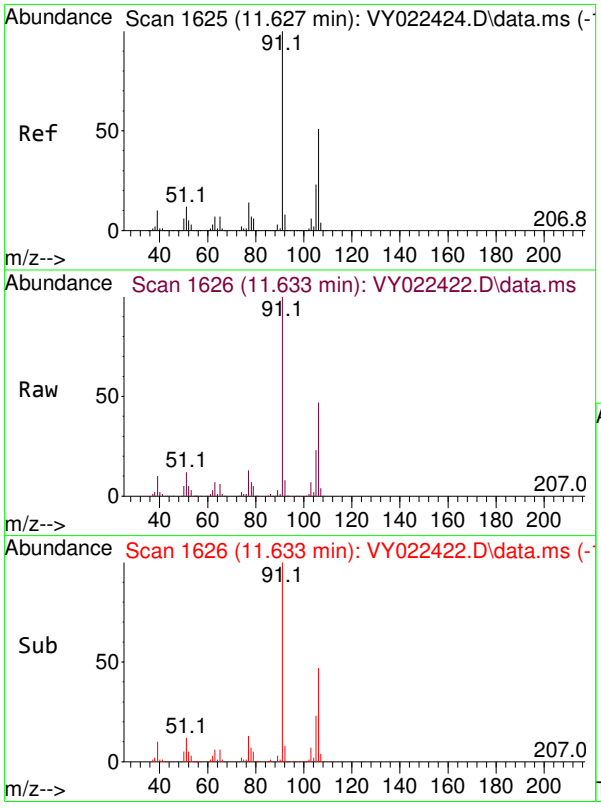
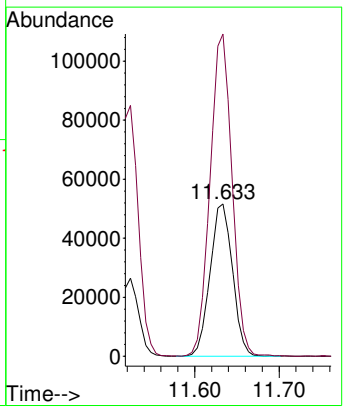


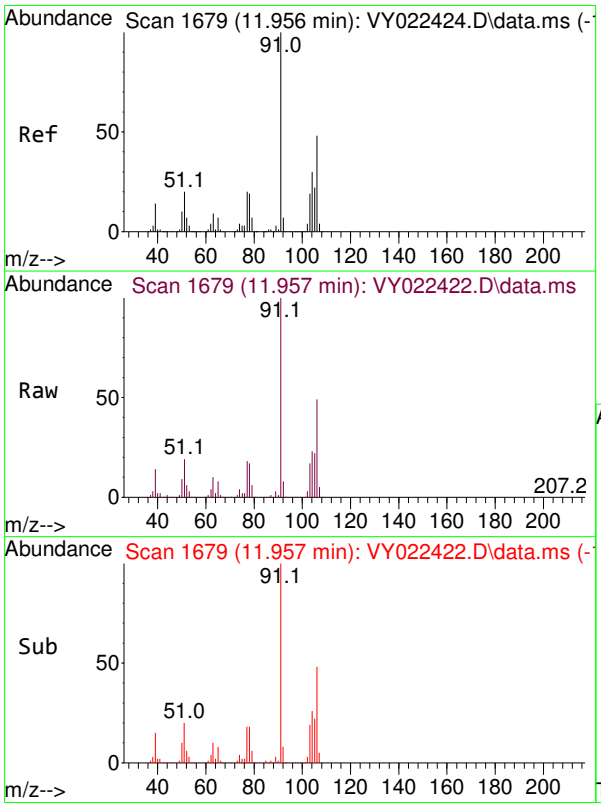


#68
m/p-Xylenes
Concen: 17.586 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:106 Resp: 95743

Ion	Ratio	Lower	Upper
106	100		
91	207.2	159.8	239.8





#69
o-Xylene
Concen: 9.028 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:106 Resp: 4619

Ion	Ratio	Lower	Upper
106	100		
91	209.9	106.3	318.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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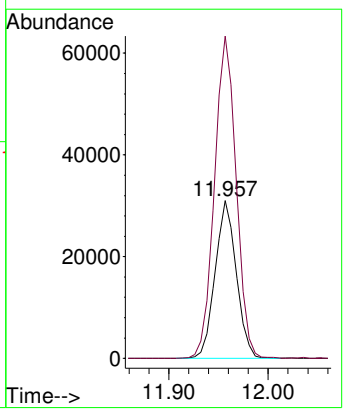
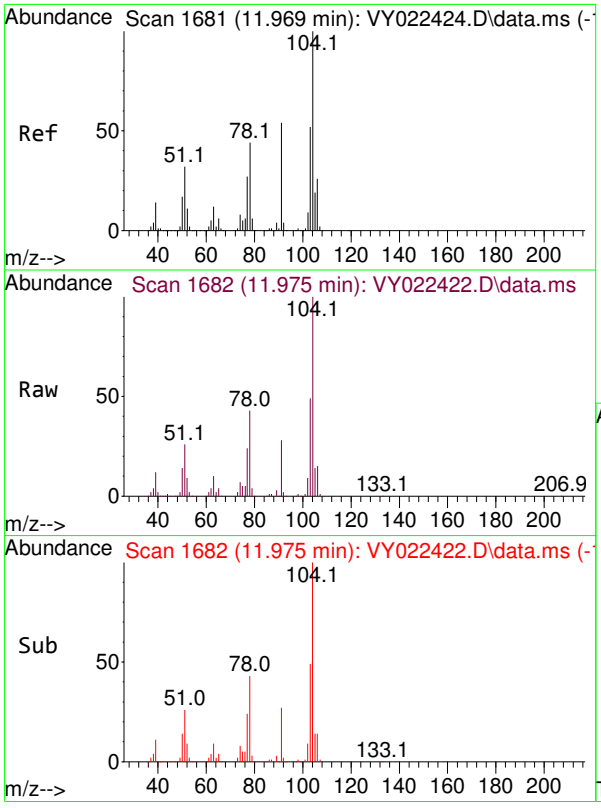
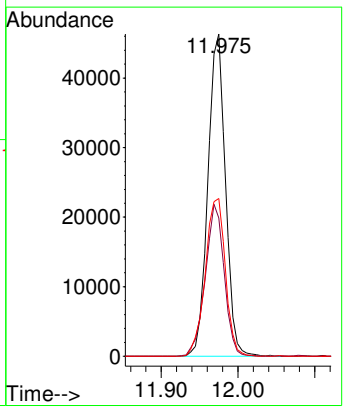


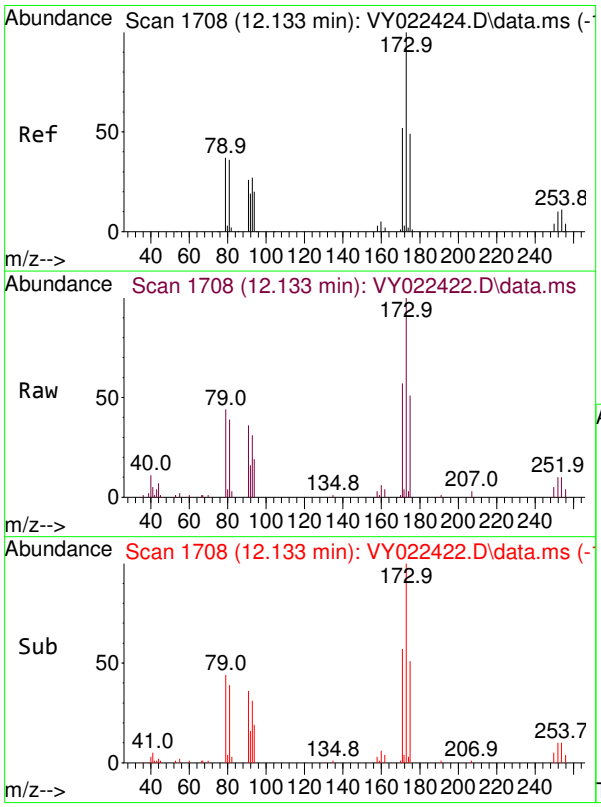


#70
Styrene
Concen: 8.685 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:104 Resp: 73993

Ion	Ratio	Lower	Upper
104	100		
78	50.8	38.8	58.2
103	55.9	43.4	65.2





#71
Bromoform
Concen: 9.287 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:173 Resp: 1274

Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.3	73.0
254	0.0	0.1	0.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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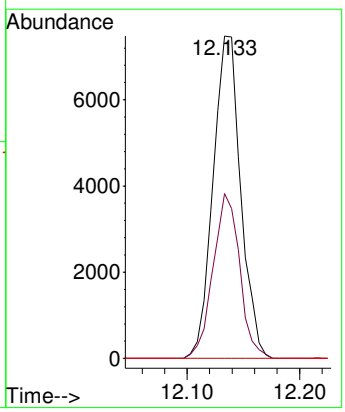
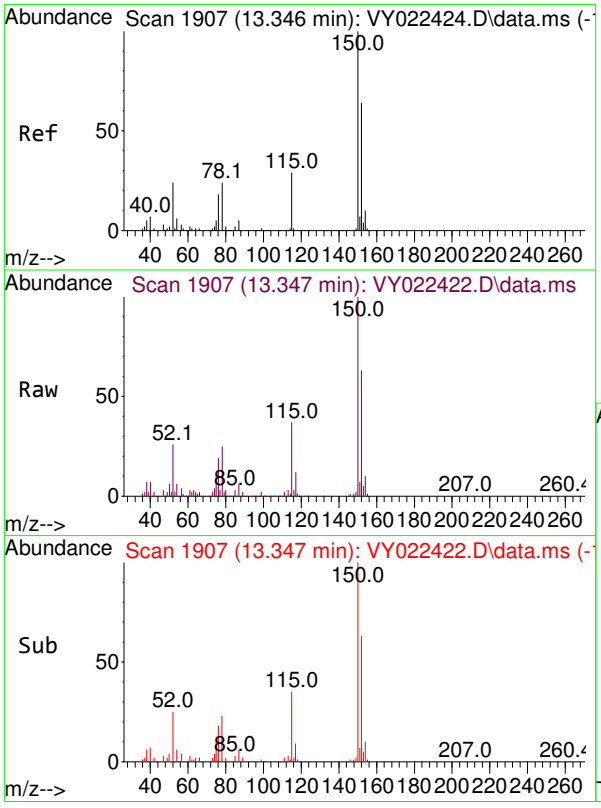
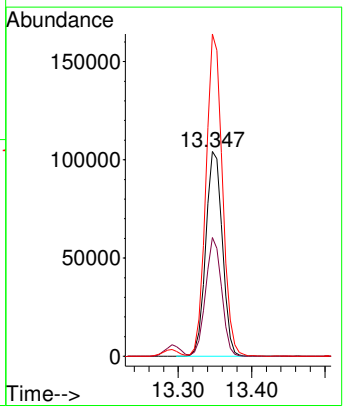


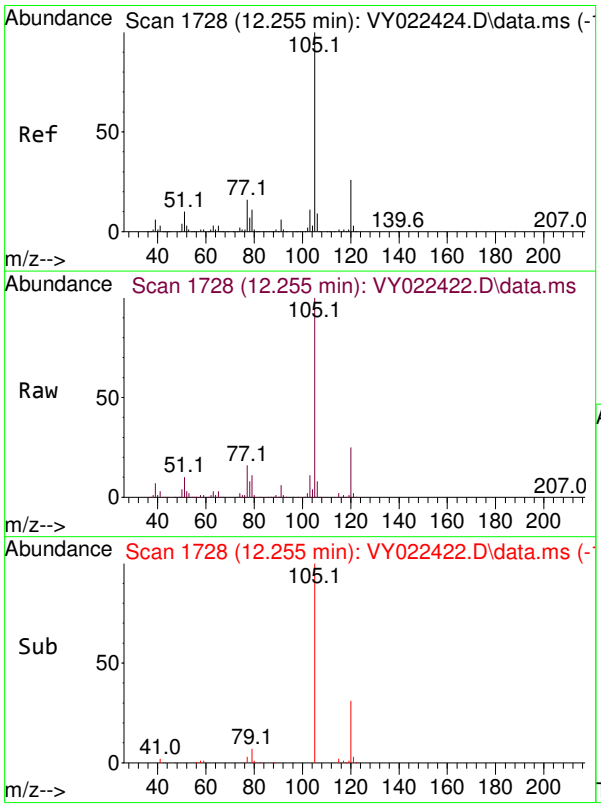


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:152 Resp: 162991

Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.4	85.3
150	155.9	0.0	345.8





#73
Isopropylbenzene
Concen: 9.507 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:105 Resp: 12196

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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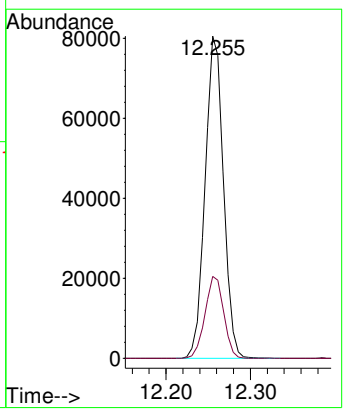
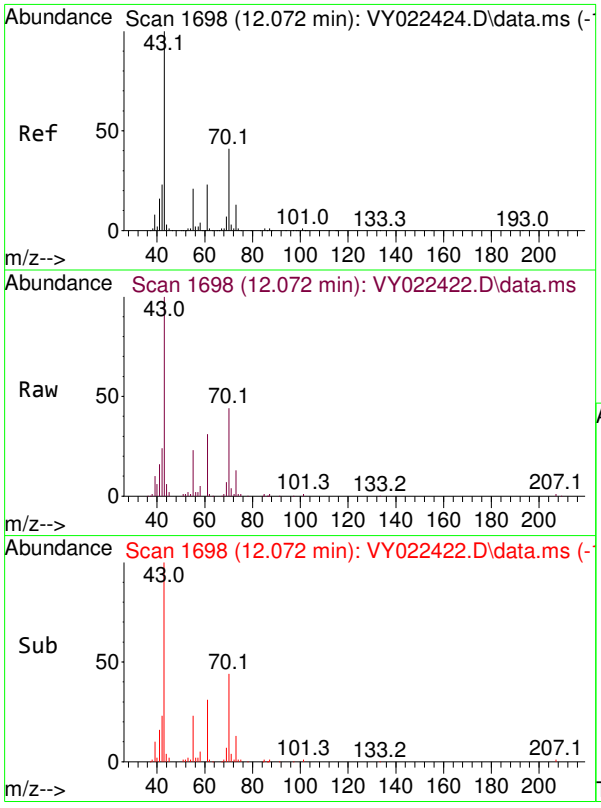
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

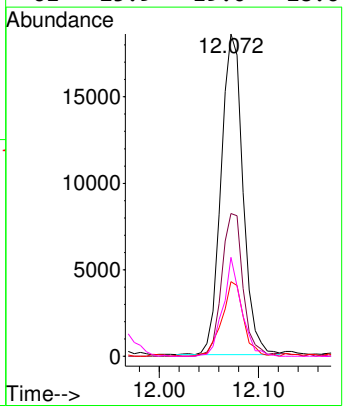


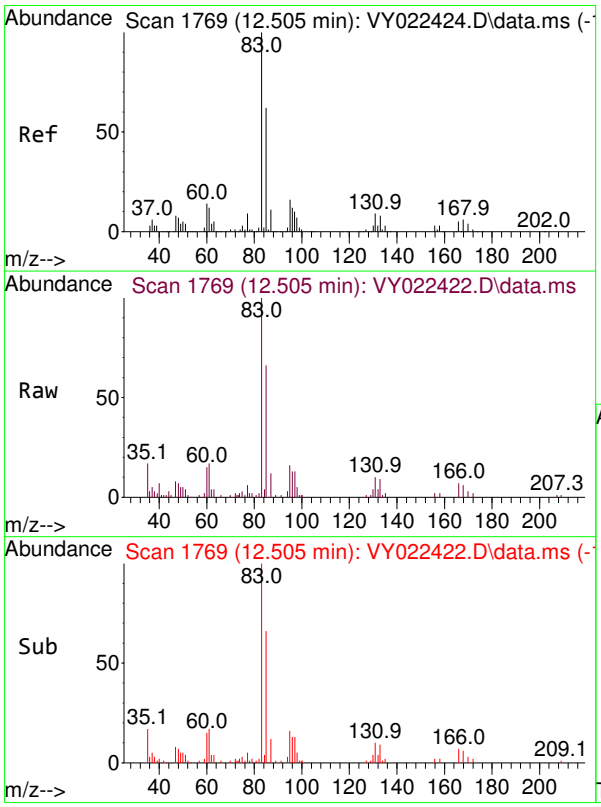


#74
N-amyl acetate
Concen: 9.114 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 43 Resp: 28607

Ion	Ratio	Lower	Upper
43	100		
70	44.1	33.0	49.4
55	22.9	17.5	26.3
61	25.9	19.0	28.6





#75
1,1,2,2-Tetrachloroethane
Concen: 9.262 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

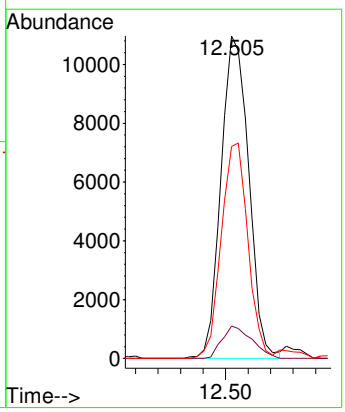
Tgt Ion: 83 Resp: 1872

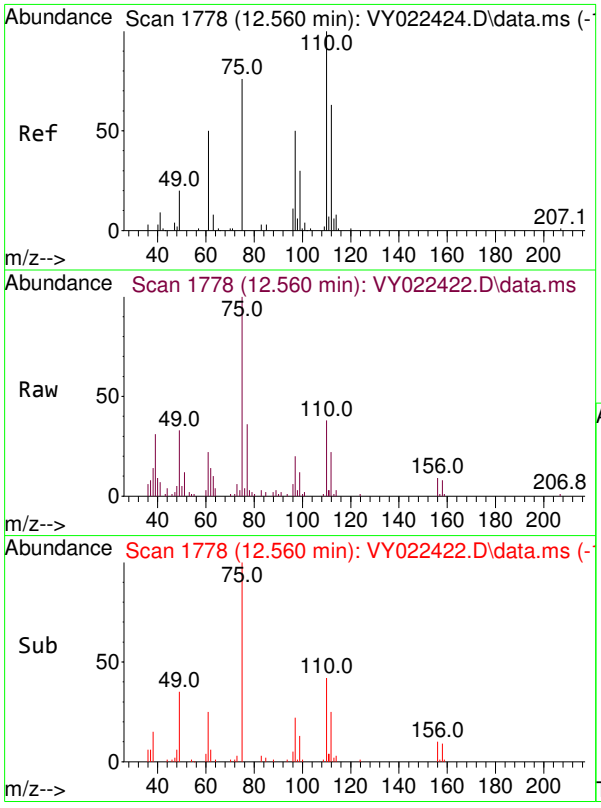
Ion	Ratio	Lower	Upper
83	100		
131	10.8	4.8	14.4
85	64.1	32.0	96.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

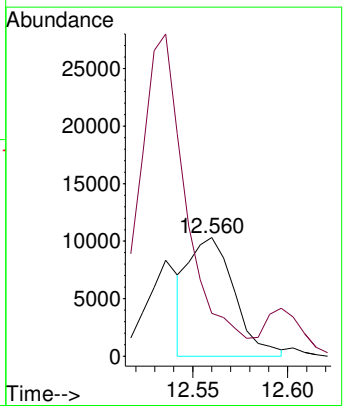


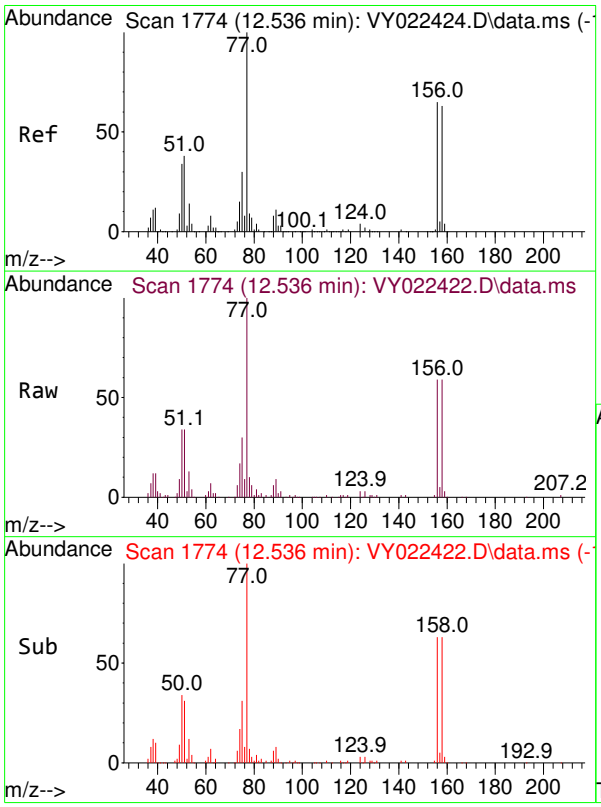


#76
1,2,3-Trichloropropane
Concen: 6.404 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 75 Resp: 17196

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

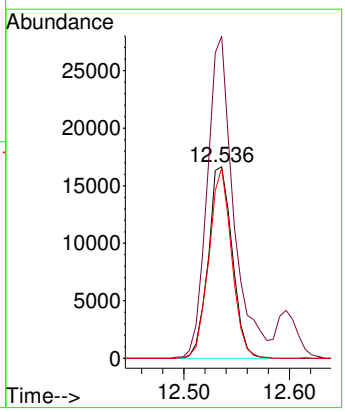




#77
Bromobenzene
Concen: 9.584 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:156 Resp: 2645

Ion	Ratio	Lower	Upper
156	100		
77	184.0	91.4	274.2
158	94.1	48.1	144.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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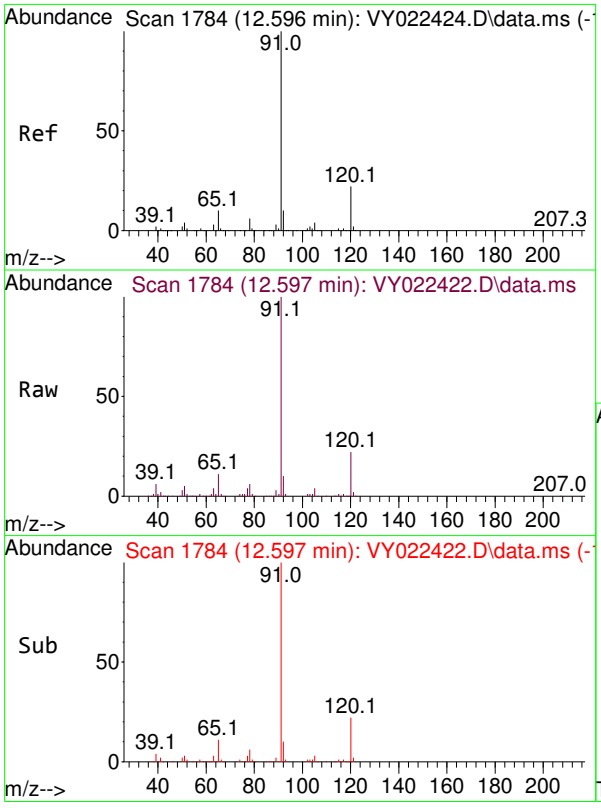
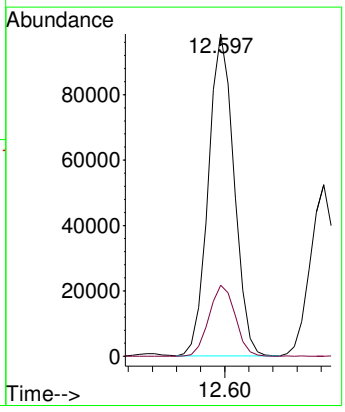
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

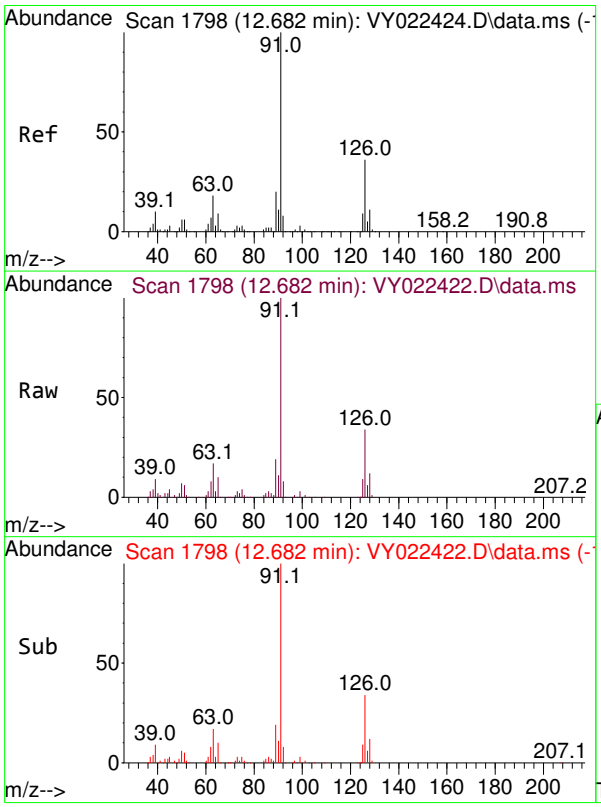


#78
n-propylbenzene
Concen: 9.459 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 91 Resp: 145616

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.2	33.5





#79
2-Chlorotoluene
Concen: 9.488 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 91 Resp: 7907

Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.4	52.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Amit Patel 05/28/2025
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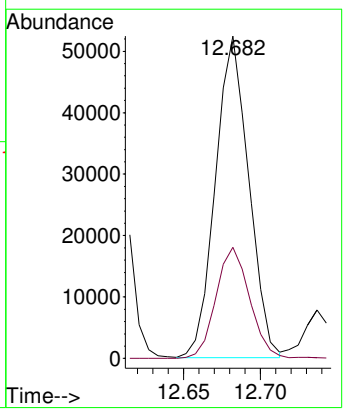
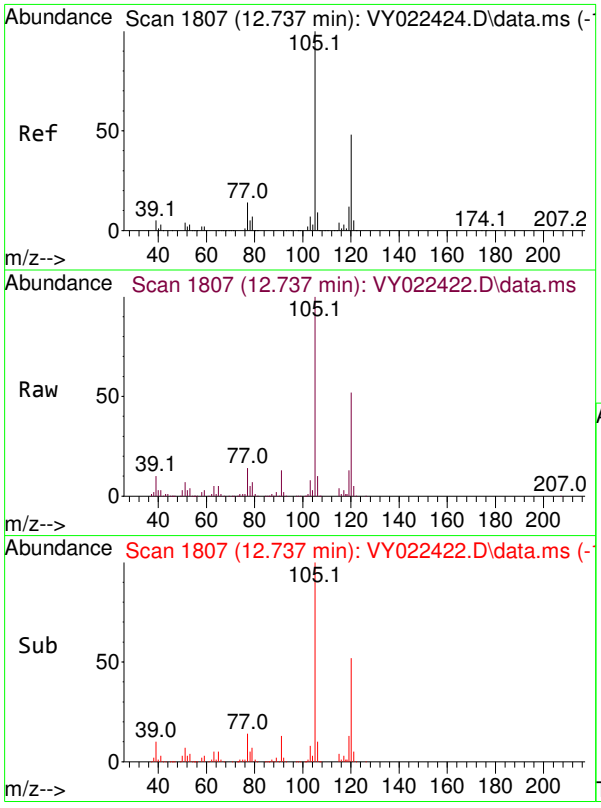
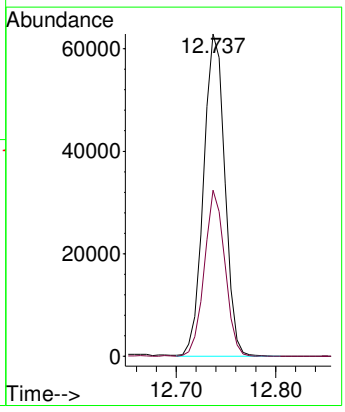


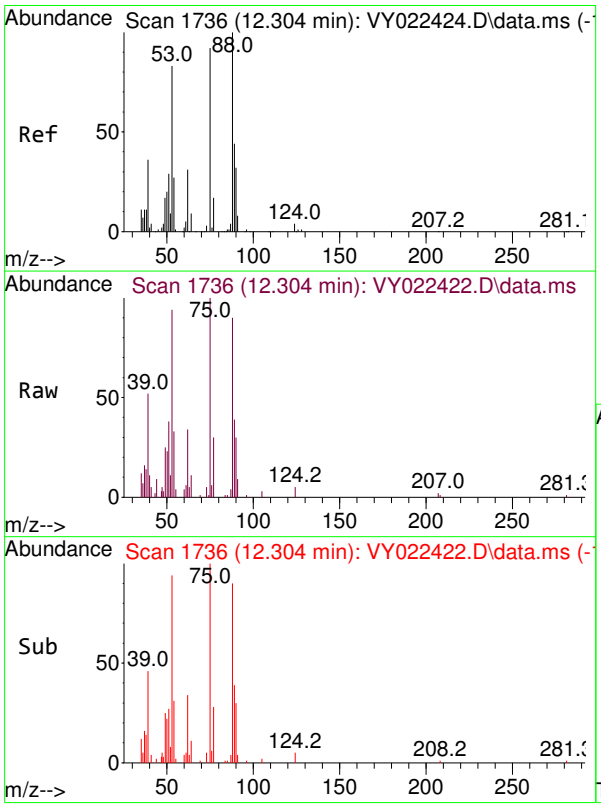


#80
1,3,5-Trimethylbenzene
Concen: 9.334 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:105 Resp: 93557

Ion	Ratio	Lower	Upper
105	100		
120	49.8	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 9.601 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 75 Resp: 693

Ion	Ratio	Lower	Upper
75	100		
53	93.5	75.1	112.7
89	41.5	37.4	56.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Amit Patel 05/28/2025
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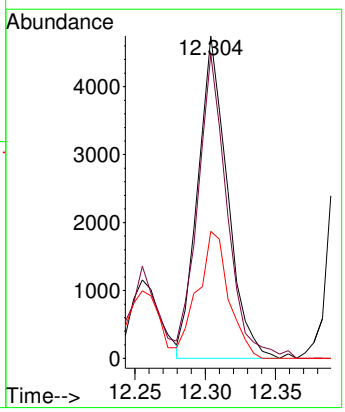
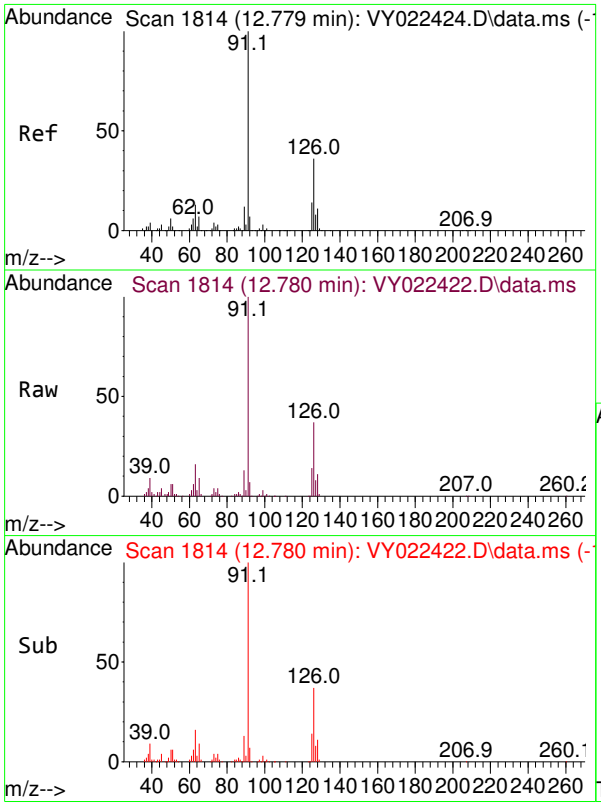
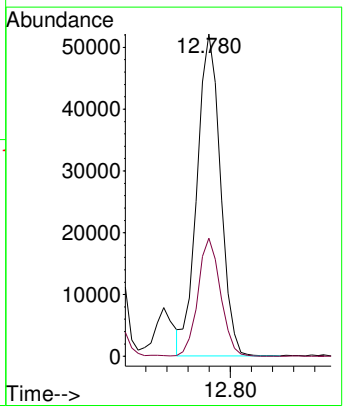


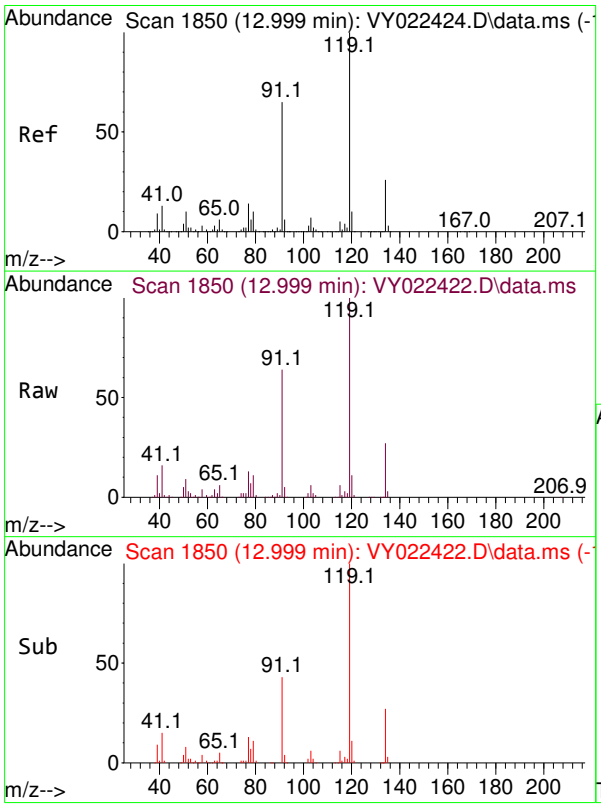


#82
4-Chlorotoluene
Concen: 9.356 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 91 Resp: 80299

Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.2	51.6





#83
tert-Butylbenzene
Concen: 9.216 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:119 Resp: 8345

Ion	Ratio	Lower	Upper
119	100		
91	62.4	31.8	95.3
134	26.0	13.0	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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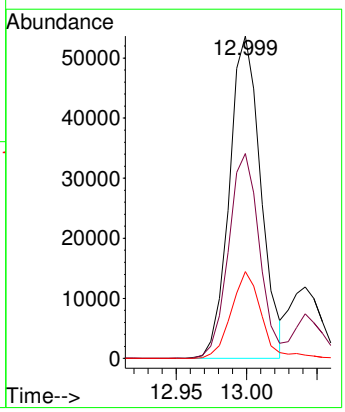
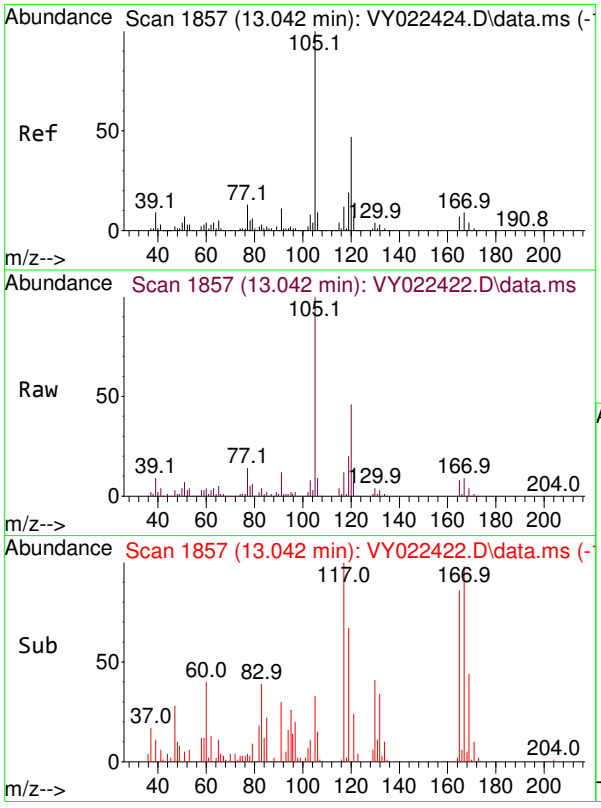
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

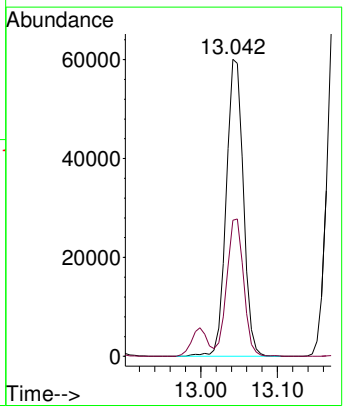


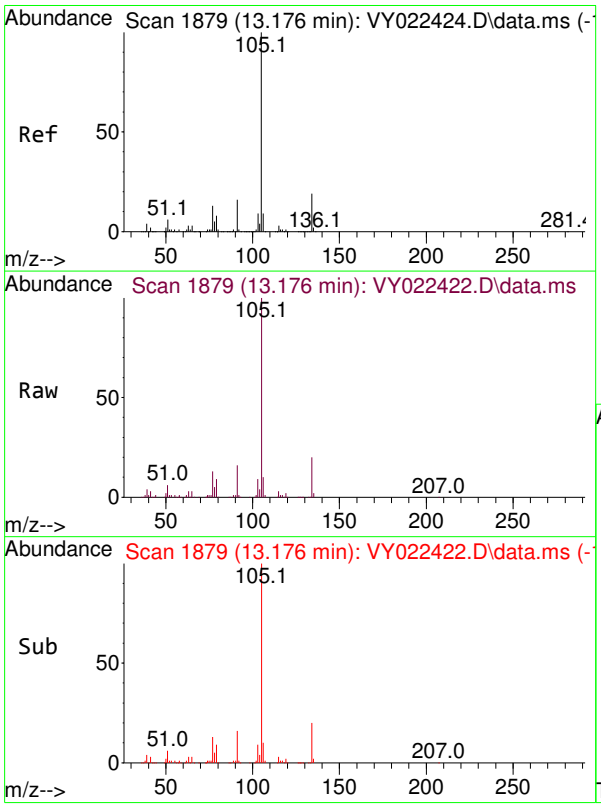


#84
1,2,4-Trimethylbenzene
Concen: 9.230 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:105 Resp: 93094

Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.9	68.5





#85
sec-Butylbenzene
Concen: 9.191 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:105 Resp: 12343

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.7	29.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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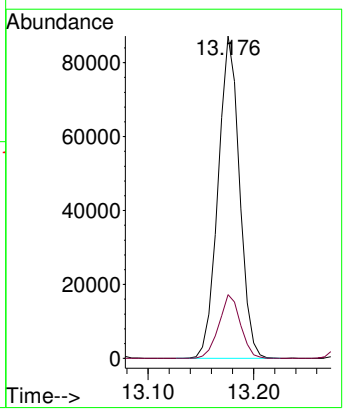
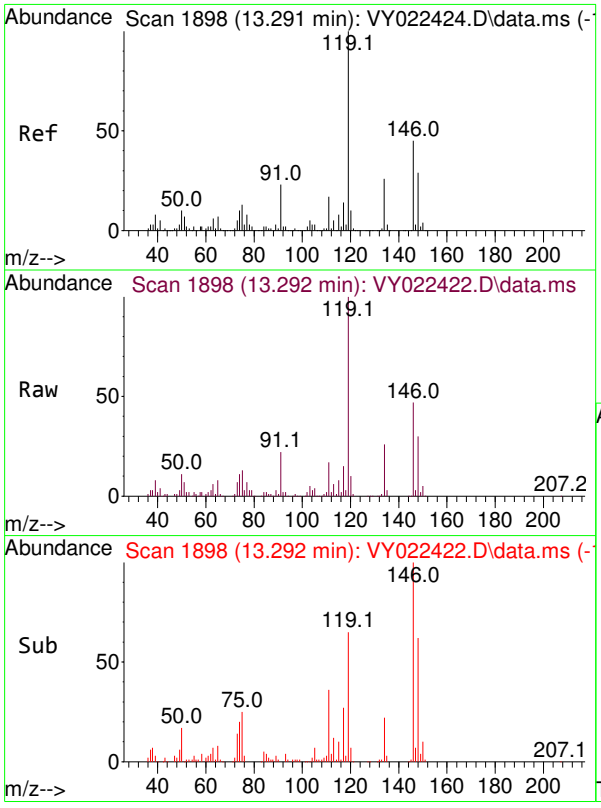
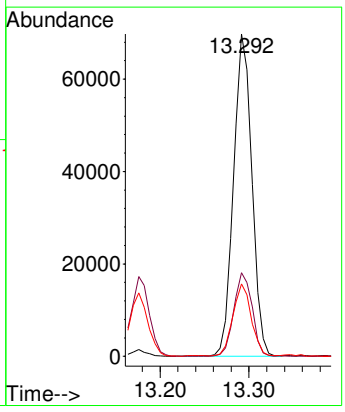


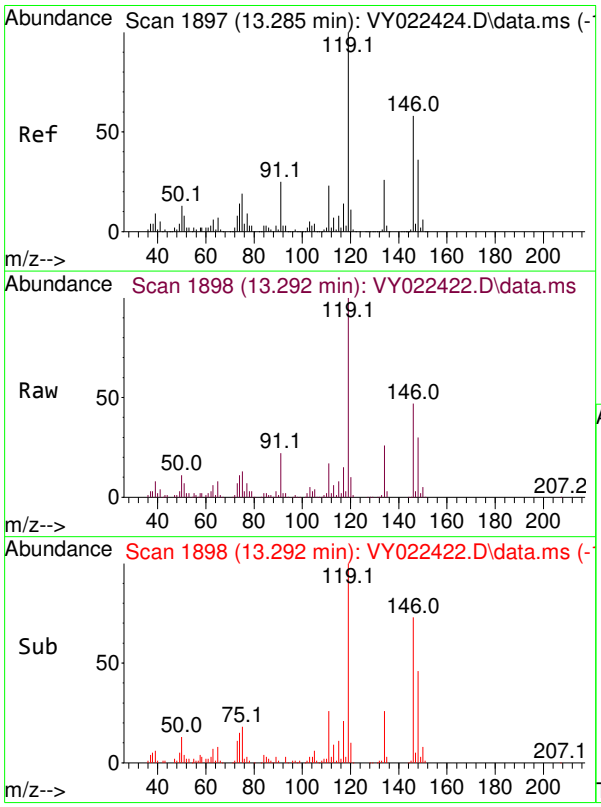


#86
p-Isopropyltoluene
Concen: 8.932 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:119 Resp: 100168

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	39.0
91	22.3	11.6	34.8





#87
1,3-Dichlorobenzene
Concen: 9.144 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:146 Resp: 5079

Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.6	58.8
148	63.4	31.7	95.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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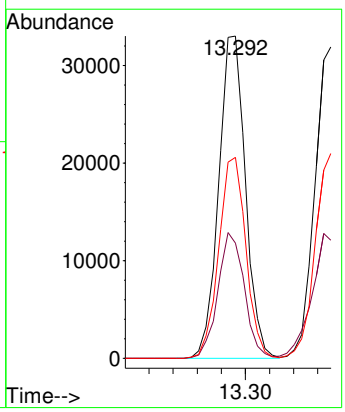
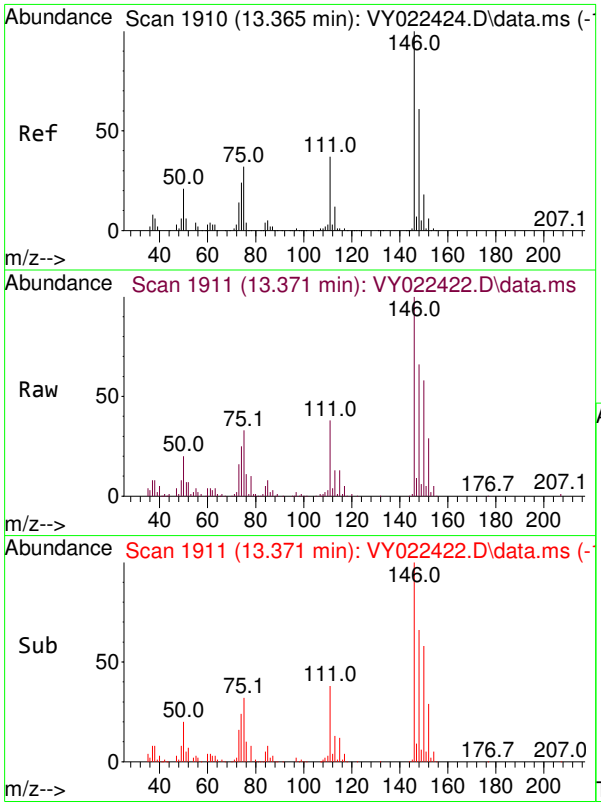
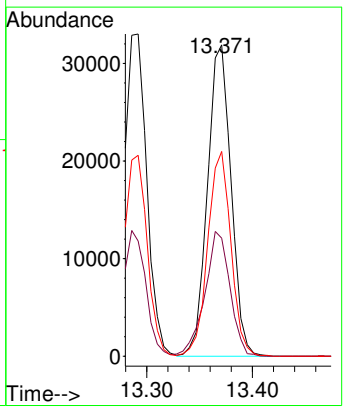


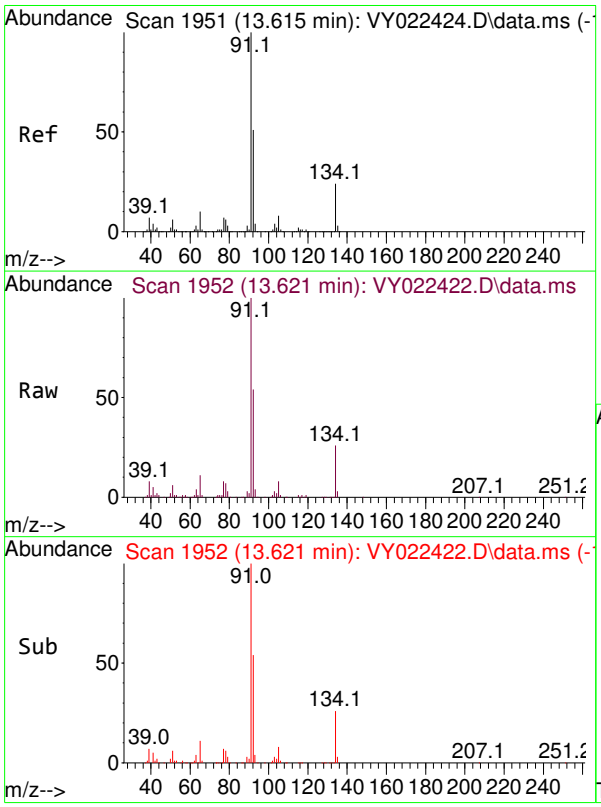


#88
1,4-Dichlorobenzene
Concen: 9.372 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:146 Resp: 49773

Ion	Ratio	Lower	Upper
146	100		
111	42.9	18.7	56.1
148	64.9	31.4	94.3





#89
n-Butylbenzene
Concen: 8.847 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 9302

Ion	Ratio	Lower	Upper
91	100		
92	53.9	25.9	77.6
134	25.0	12.4	37.0

Manual Integrations
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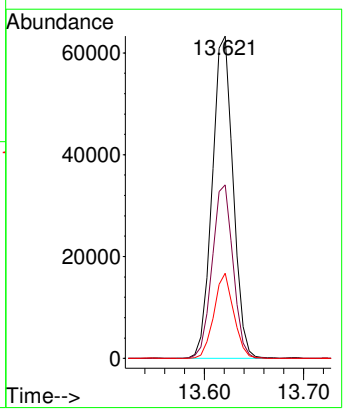
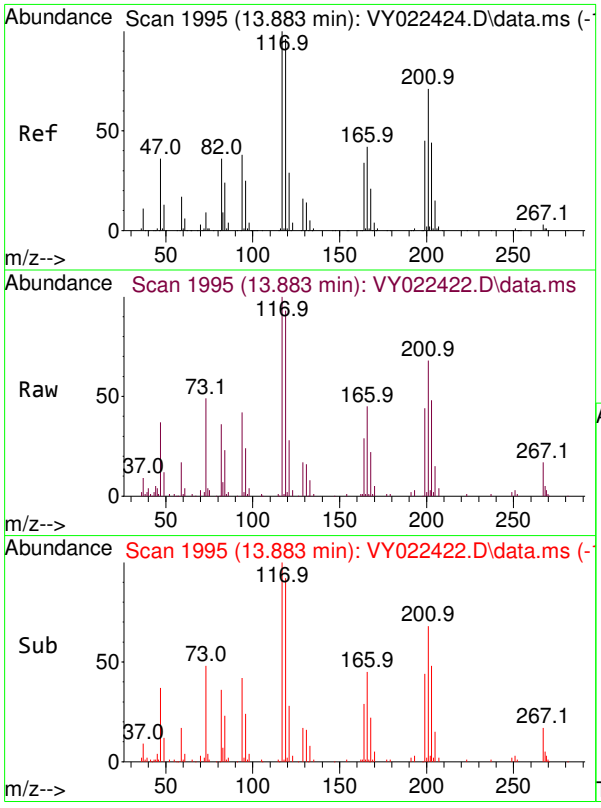
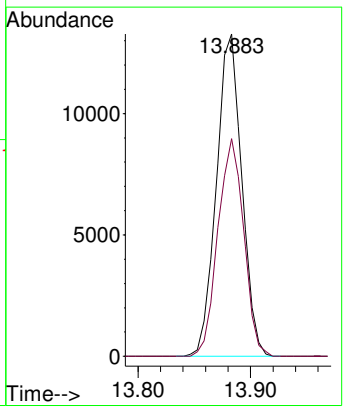


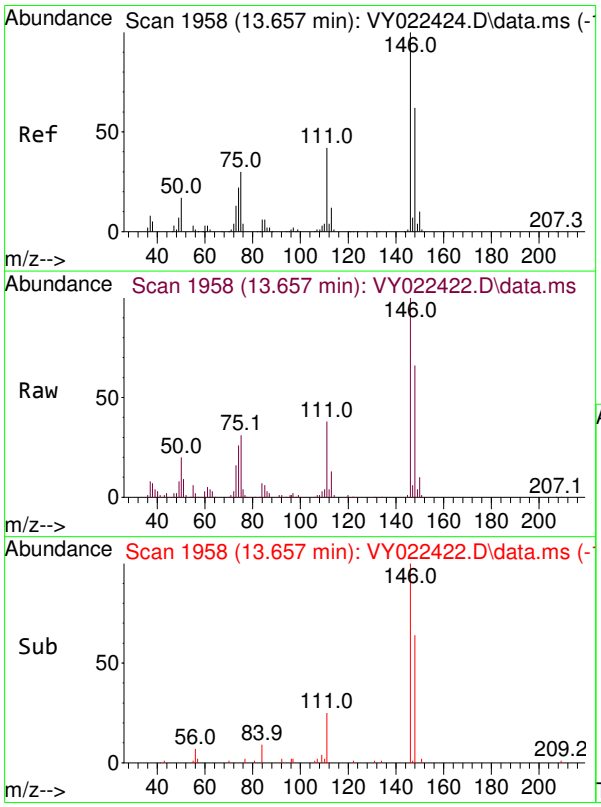


#90
Hexachloroethane
Concen: 9.310 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:117 Resp: 20778

Ion	Ratio	Lower	Upper
117	100		
201	68.7	35.0	105.0





#91
1,2-Dichlorobenzene
Concen: 9.358 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:146 Resp: 4341

Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.5	61.6
148	64.1	31.9	95.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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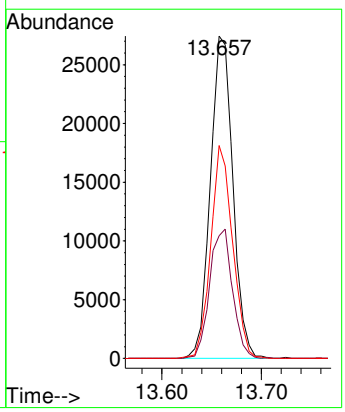
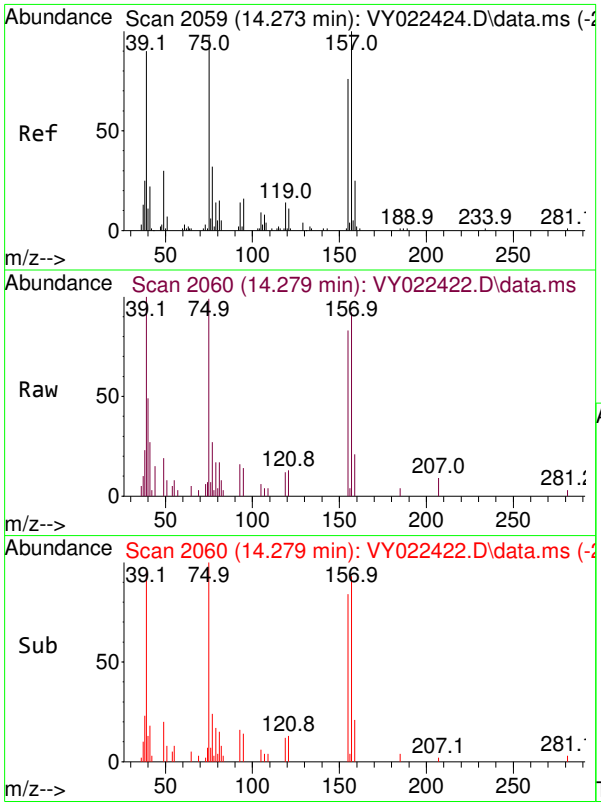
Supervised By :Mahesh Dadoda 05/28/2025

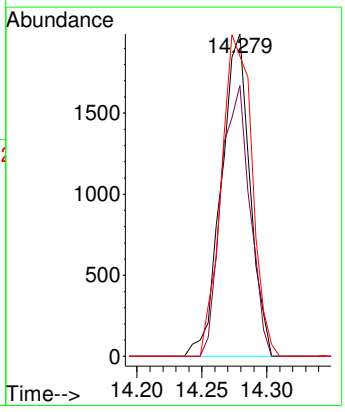


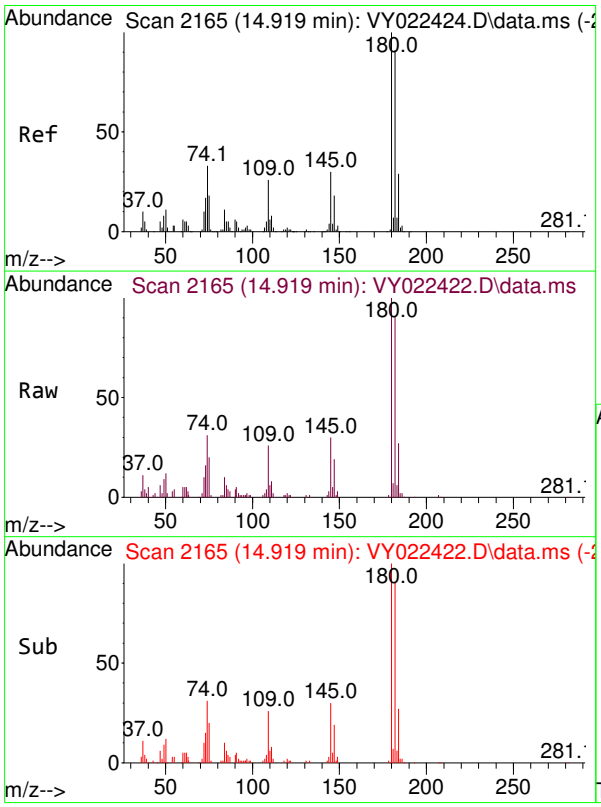


#92
1,2-Dibromo-3-Chloropropane
Concen: 9.740 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion: 75 Resp: 3042

Ion	Ratio	Lower	Upper
75	100		
155	84.2	42.3	126.8
157	107.4	54.4	163.3

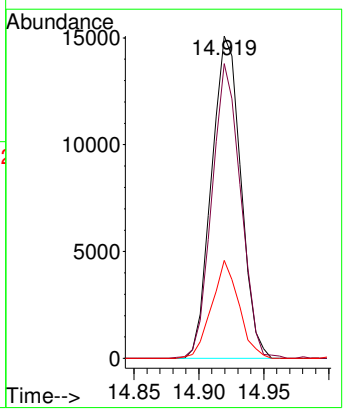




#93
1,2,4-Trichlorobenzene
Concen: 9.172 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:180 Resp: 2359

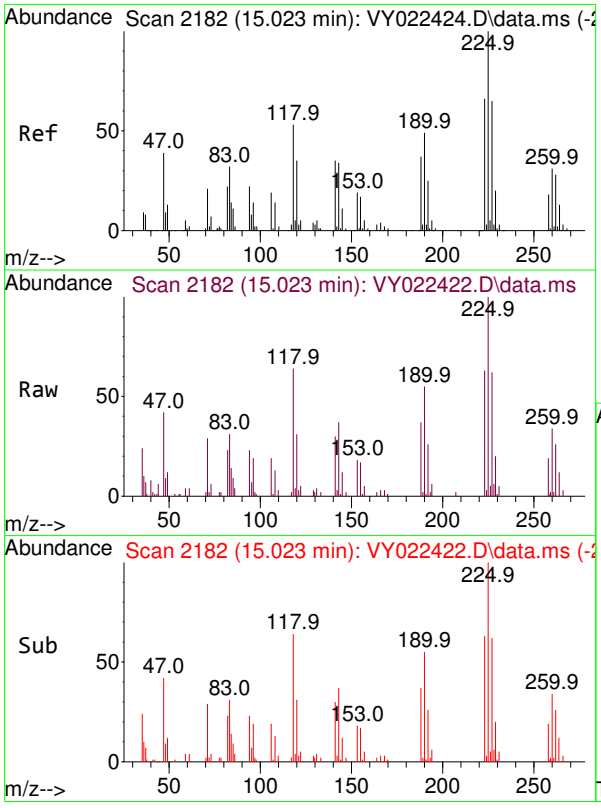
Ion	Ratio	Lower	Upper
180	100		
182	89.9	46.2	138.6
145	28.4	14.2	42.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

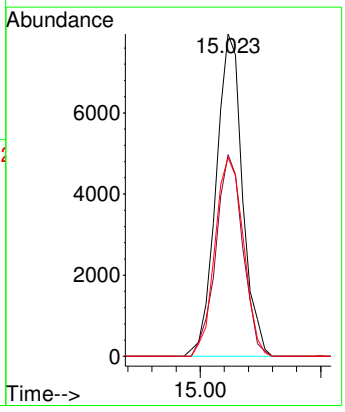
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

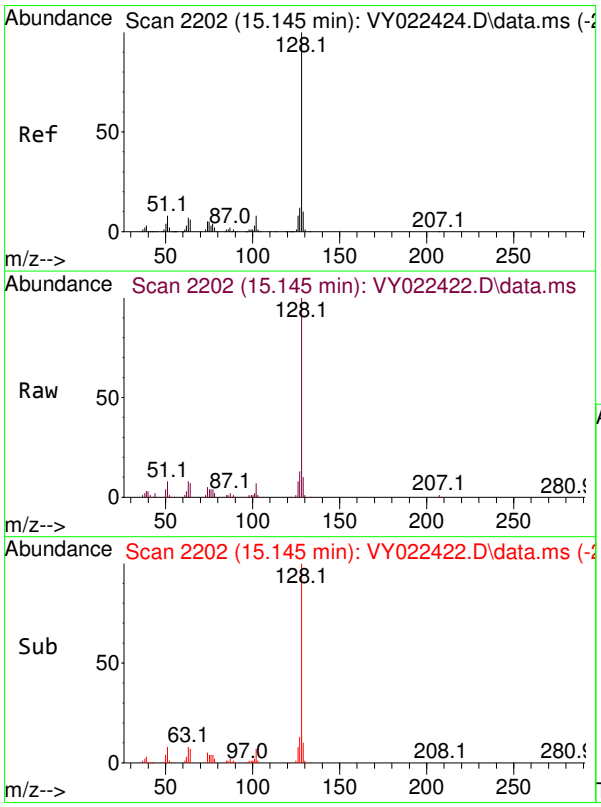


#94
Hexachlorobutadiene
Concen: 8.956 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:225 Resp: 12088

Ion	Ratio	Lower	Upper
225	100		
223	63.8	32.6	97.7
227	66.2	33.0	99.0





#95
Naphthalene
Concen: 8.878 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

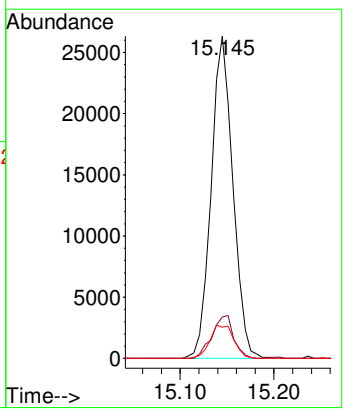
Tgt Ion:128 Resp: 4221

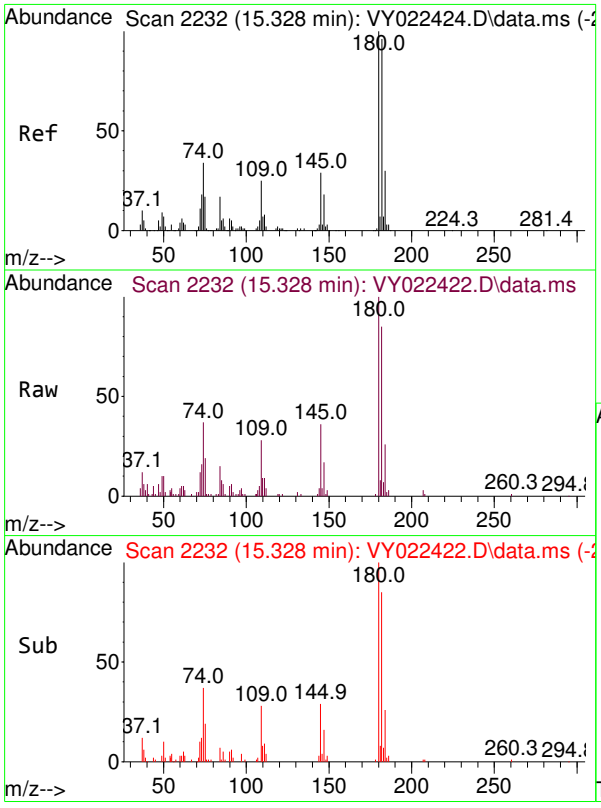
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	11.3	8.5	12.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

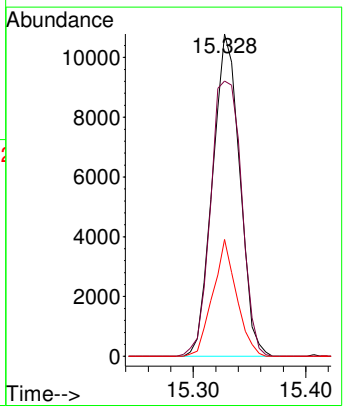




#96
1,2,3-Trichlorobenzene
Concen: 8.567 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022422.D
Acq: 27 May 2025 09:14

Tgt Ion:180 Resp: 18071

Ion	Ratio	Lower	Upper
180	100		
182	97.3	48.1	144.3
145	31.6	14.9	44.5



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022423.D
Acq On : 27 May 2025 09:36
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:49:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	252702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	427651	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	358898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	162048	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	52229	19.622	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.240%#		
35) Dibromofluoromethane	7.640	113	48414	19.331	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	38.660%#		
50) Toluene-d8	10.109	98	199816	19.571	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	39.140%#		
62) 4-Bromofluorobenzene	12.408	95	59022	19.112	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	38.220%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	53184	22.059	ug/l	100
3) Chloromethane	2.068	50	131430	22.162	ug/l	96
4) Vinyl Chloride	2.208	62	153844	21.354	ug/l	97
5) Bromomethane	2.592	94	141241	21.573	ug/l	99
6) Chloroethane	2.739	64	95915	20.373	ug/l	98
7) Trichlorofluoromethane	3.056	101	123550	20.326	ug/l	99
8) Diethyl Ether	3.458	74	27436	19.575	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	54677	20.503	ug/l	100
10) Methyl Iodide	4.013	142	61032	20.286	ug/l	100
11) Tert butyl alcohol	4.885	59	18099	96.464	ug/l #	86
12) 1,1-Dichloroethene	3.793	96	53871	20.347	ug/l	99
13) Acrolein	3.659	56	28252	100.498	ug/l	98
14) Allyl chloride	4.391	41	80449	20.200	ug/l	97
15) Acrylonitrile	5.067	53	55206	97.719	ug/l	100
16) Acetone	3.879	43	40769	93.210	ug/l	92
17) Carbon Disulfide	4.110	76	172558	20.423	ug/l	100
18) Methyl Acetate	4.397	43	29942	18.275	ug/l	99
19) Methyl tert-butyl Ether	5.128	73	137123	19.508	ug/l	97
20) Methylene Chloride	4.622	84	58412	18.912	ug/l	99
21) trans-1,2-Dichloroethene	5.122	96	56105	19.411	ug/l	99
22) Diisopropyl ether	6.025	45	175073	19.918	ug/l	99
23) Vinyl Acetate	5.964	43	504103	99.882	ug/l	99
24) 1,1-Dichloroethane	5.927	63	104623	20.143	ug/l	100
25) 2-Butanone	6.902	43	68733	94.358	ug/l	99
26) 2,2-Dichloropropane	6.890	77	94730	20.142	ug/l	97
27) cis-1,2-Dichloroethene	6.896	96	65719	19.640	ug/l	99
28) Bromochloromethane	7.250	49	43955	20.266	ug/l	99
29) Tetrahydrofuran	7.268	42	46611	95.946	ug/l	99
30) Chloroform	7.427	83	103440	20.211	ug/l	96
31) Cyclohexane	7.707	56	100786	19.685	ug/l	93
32) 1,1,1-Trichloroethane	7.628	97	92540	19.923	ug/l	99
36) 1,1-Dichloropropene	7.841	75	77871	19.594	ug/l	99
37) Ethyl Acetate	6.994	43	32871	19.462	ug/l	98
38) Carbon Tetrachloride	7.823	117	80594	19.468	ug/l	94
39) Methylcyclohexane	9.109	83	103224	19.540	ug/l	95
40) Benzene	8.085	78	232606	19.670	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022423.D
Acq On : 27 May 2025 09:36
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:49:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	19136m	8.609	ug/l		
42) 1,2-Dichloroethane	8.158	62	61523	19.699	ug/l		99
43) Isopropyl Acetate	8.201	43	71905	19.483	ug/l	#	86
44) Trichloroethene	8.872	130	58860	20.135	ug/l		97
45) 1,2-Dichloropropane	9.146	63	54451	19.598	ug/l		99
46) Dibromomethane	9.237	93	29679	19.122	ug/l		98
47) Bromodichloromethane	9.426	83	76833	19.250	ug/l		97
48) Methyl methacrylate	9.225	41	32925	19.218	ug/l		99
49) 1,4-Dioxane	9.231	88	6923	403.829	ug/l		91
51) 4-Methyl-2-Pentanone	9.999	43	169056	92.837	ug/l		99
52) Toluene	10.176	92	143949	19.489	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	71231	19.160	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	86263	19.747	ug/l		98
55) 1,1,2-Trichloroethane	10.579	97	38684	19.713	ug/l		94
56) Ethyl methacrylate	10.445	69	53900	19.140	ug/l		98
57) 1,3-Dichloropropane	10.719	76	68793	19.893	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	130961	93.311	ug/l		98
59) 2-Hexanone	10.762	43	109954	92.136	ug/l		98
60) Dibromochloromethane	10.914	129	48590	19.384	ug/l		99
61) 1,2-Dibromoethane	11.018	107	35441	19.746	ug/l		100
64) Tetrachloroethene	10.652	164	62224	20.357	ug/l		99
65) Chlorobenzene	11.444	112	150827	19.709	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.518	131	50226	19.371	ug/l		96
67) Ethyl Benzene	11.524	91	275656	19.399	ug/l		98
68) m/p-Xylenes	11.633	106	207724	38.557	ug/l		99
69) o-Xylene	11.956	106	96581	19.075	ug/l		100
70) Styrene	11.969	104	160384	19.023	ug/l		99
71) Bromoform	12.133	173	26368	19.415	ug/l	#	100
73) Isopropylbenzene	12.255	105	255754	20.053	ug/l		99
74) N-amyl acetate	12.072	43	61037	19.558	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	39127	19.472	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	32290m	12.094	ug/l		
77) Bromobenzene	12.536	156	55641	20.273	ug/l		97
78) n-propylbenzene	12.597	91	306474	20.024	ug/l		100
79) 2-Chlorotoluene	12.682	91	163649	19.752	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	198748	19.944	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	14257	19.863	ug/l		98
82) 4-Chlorotoluene	12.779	91	171858	20.140	ug/l		99
83) tert-Butylbenzene	12.999	119	179841	19.975	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	196951	19.640	ug/l		100
85) sec-Butylbenzene	13.176	105	263748	19.753	ug/l		99
86) p-Isopropyltoluene	13.292	119	216227	19.393	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	108479	19.644	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	104788	19.845	ug/l		98
89) n-Butylbenzene	13.615	91	206658	19.768	ug/l		99
90) Hexachloroethane	13.883	117	44059	19.857	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	92726	20.103	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6215	20.016	ug/l		94
93) 1,2,4-Trichlorobenzene	14.919	180	49954	19.535	ug/l		98
94) Hexachlorobutadiene	15.023	225	25718	19.164	ug/l		97
95) Naphthalene	15.145	128	89204	18.870	ug/l		98
96) 1,2,3-Trichlorobenzene	15.328	180	41774	19.919	ug/l		96

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022423.D
Acq On : 27 May 2025 09:36
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:49:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 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

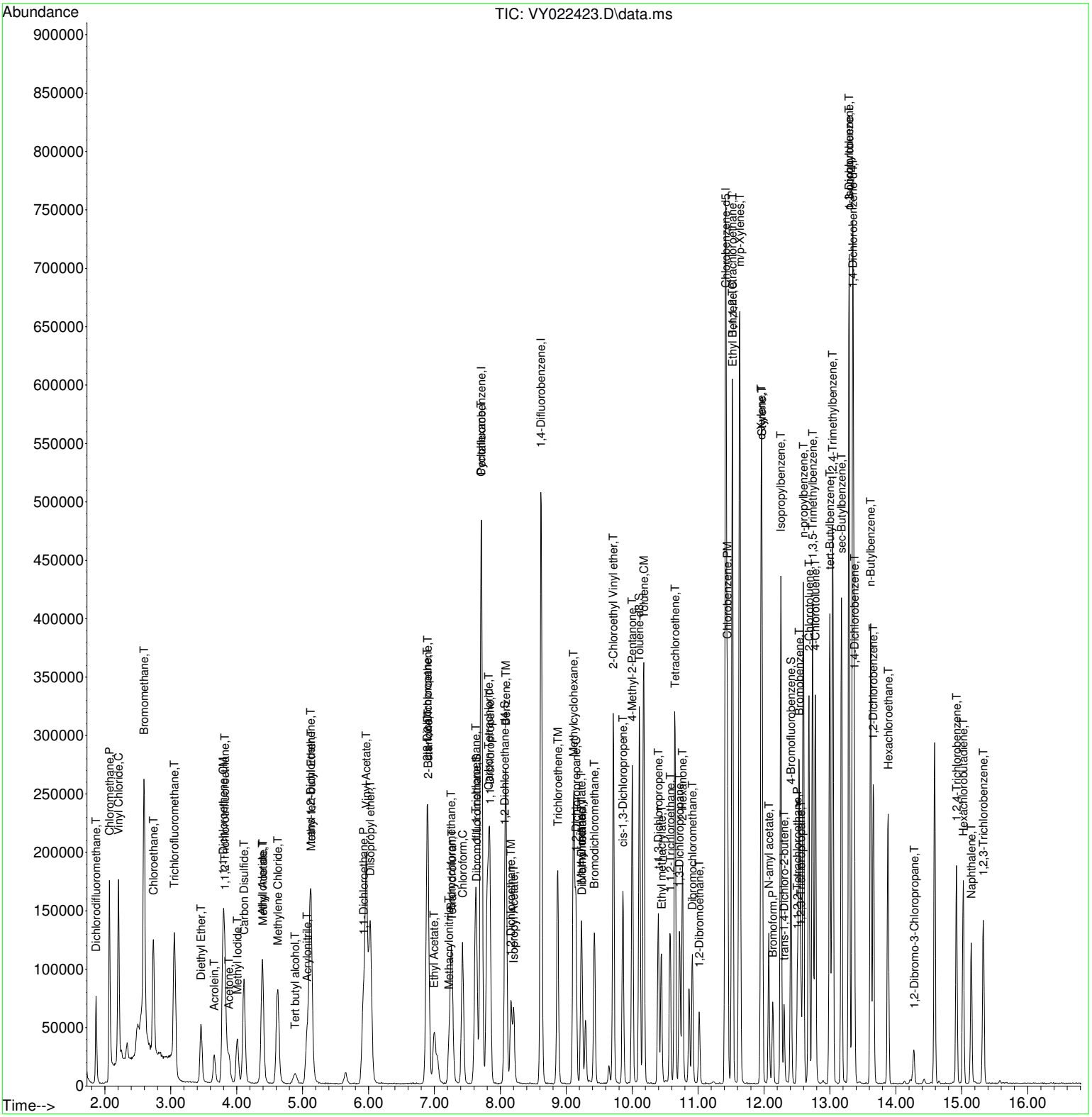
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022423.D
Acq On : 27 May 2025 09:36
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

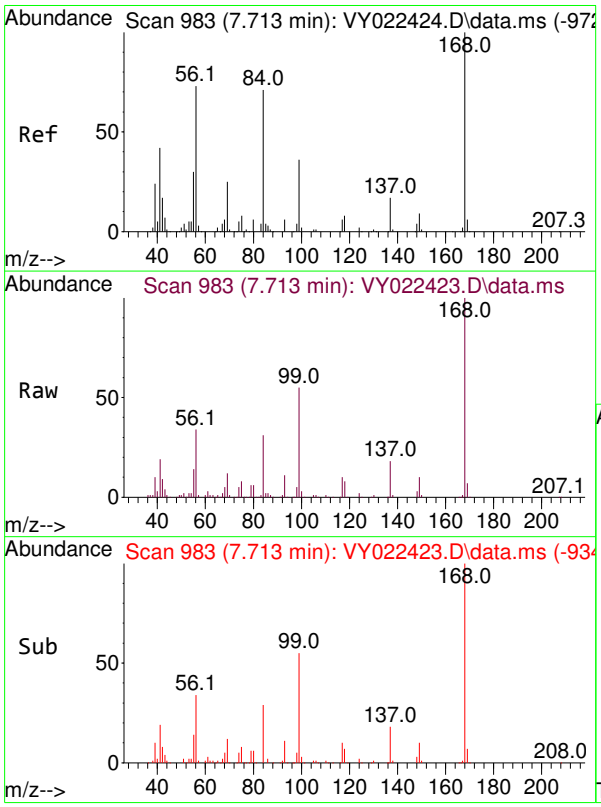
Quant Time: May 28 09:49:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

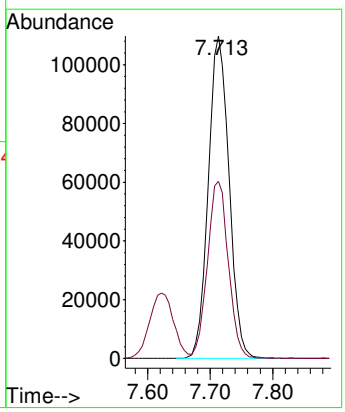




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:168 Resp: 25270

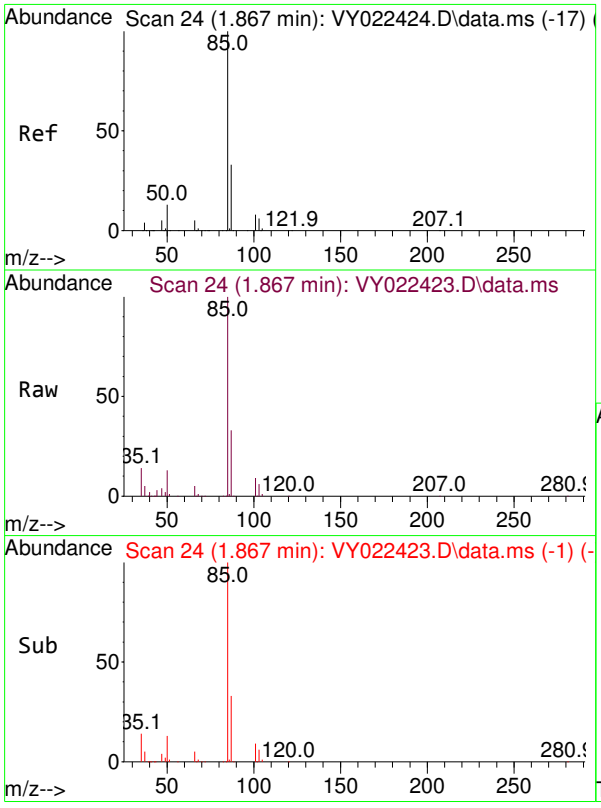
Ion	Ratio	Lower	Upper
168	100		
99	54.8	44.7	67.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

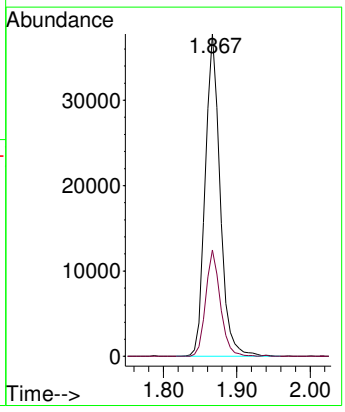
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

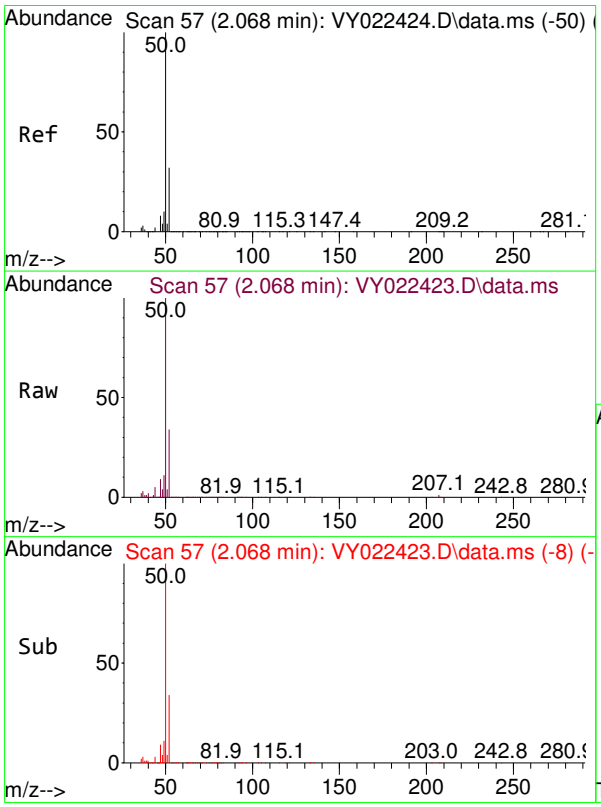


#2
Dichlorodifluoromethane
Concen: 22.059 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 85 Resp: 53184

Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.4	49.2





#3
Chloromethane
Concen: 22.162 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

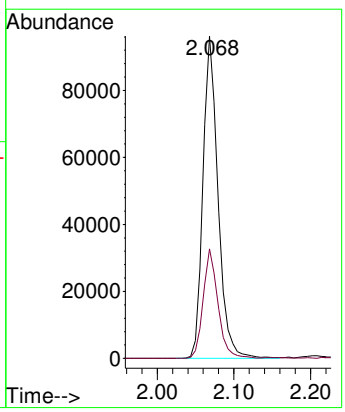
Tgt Ion: 50 Resp: 13143

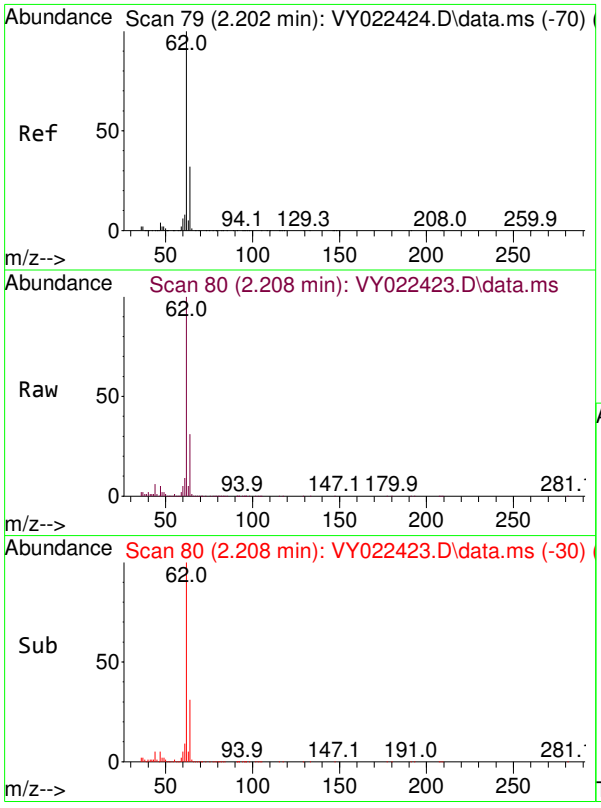
Ion	Ratio	Lower	Upper
50	100		
52	34.0	25.5	38.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

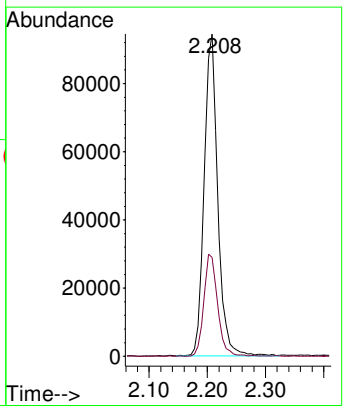


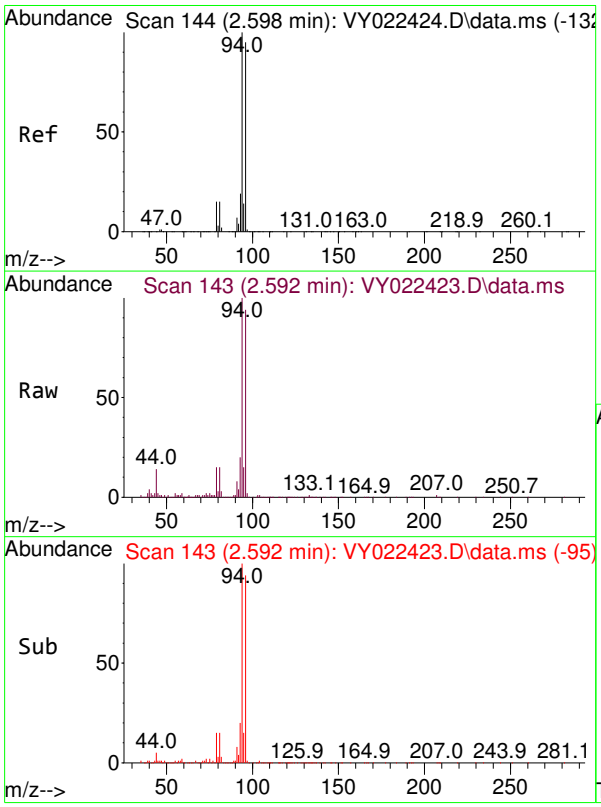


#4
Vinyl Chloride
Concen: 21.354 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 62 Resp: 153844

Ion	Ratio	Lower	Upper
62	100		
64	30.7	26.0	39.0





#5
Bromomethane
Concen: 21.573 ug/l
RT: 2.592 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 94 Resp: 14124

Ion	Ratio	Lower	Upper
94	100		
96	94.1	76.0	114.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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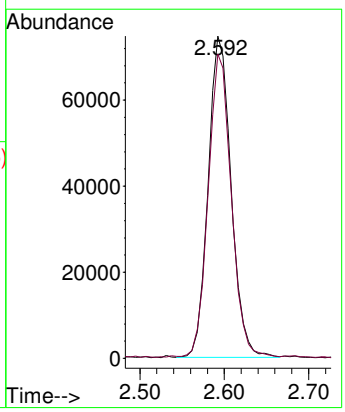
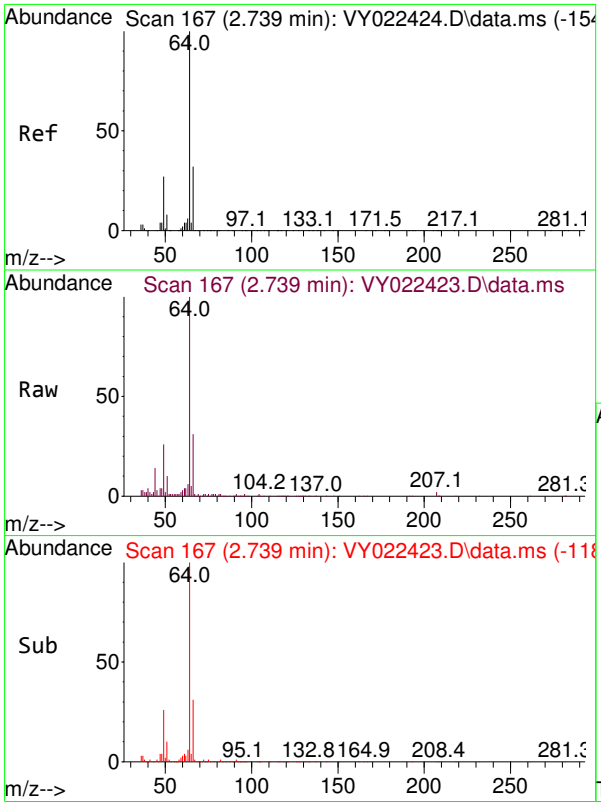
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

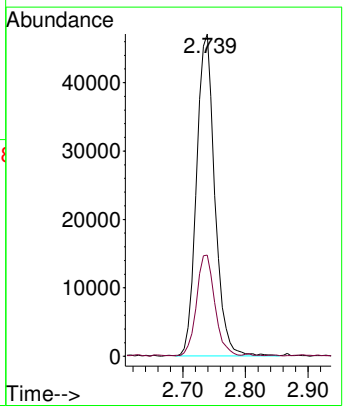


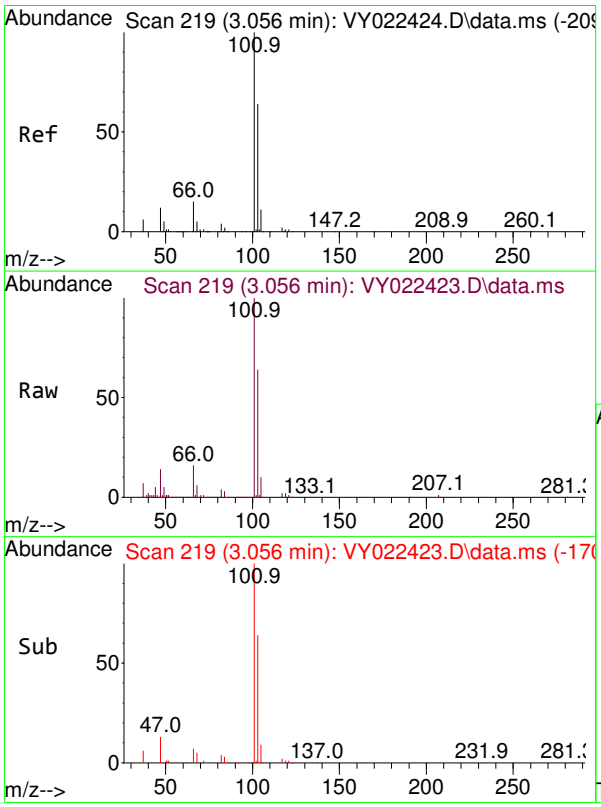


#6
Chloroethane
Concen: 20.373 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 64 Resp: 95915

Ion	Ratio	Lower	Upper
64	100		
66	31.2	25.9	38.9

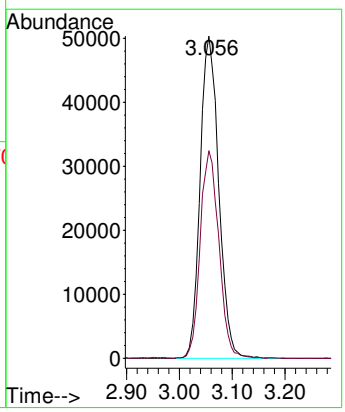




#7
Trichlorofluoromethane
Concen: 20.326 ug/l
RT: 3.056 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:101 Resp: 12355

Ion	Ratio	Lower	Upper
101	100		
103	64.4	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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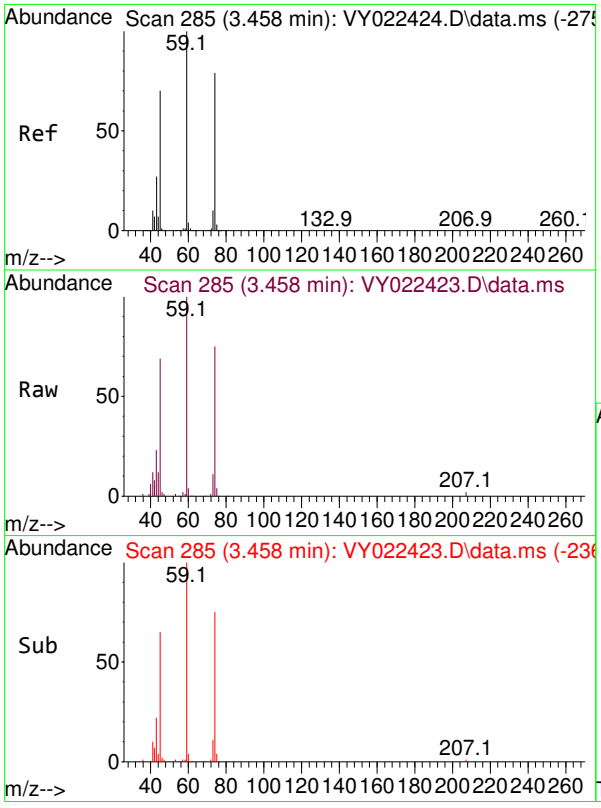
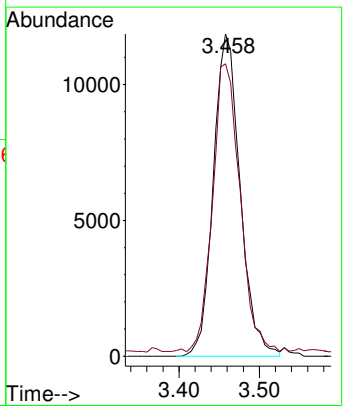
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

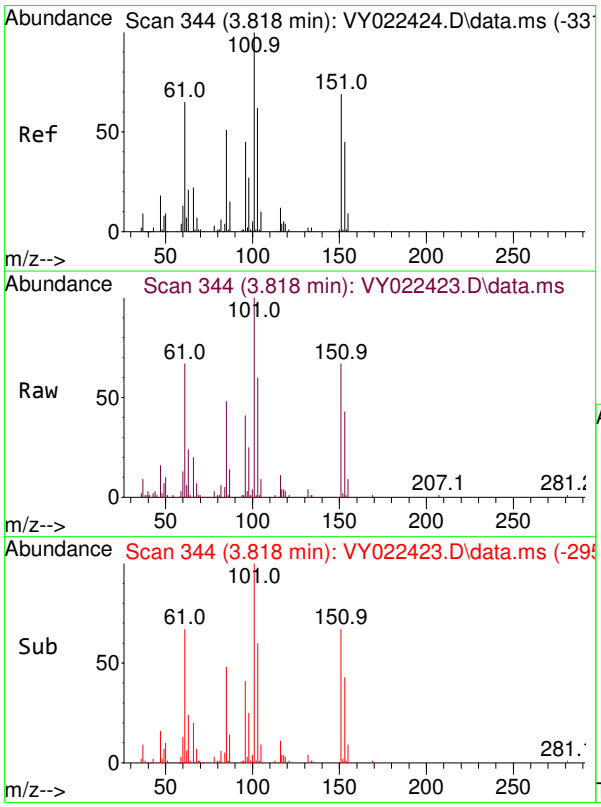


#8
Diethyl Ether
Concen: 19.575 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 74 Resp: 27436

Ion	Ratio	Lower	Upper
74	100		
45	91.3	44.9	134.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.503 ug/l
RT: 3.818 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:101 Resp: 5467

Ion	Ratio	Lower	Upper
101	100		
85	48.9	39.2	58.8
151	73.3	58.8	88.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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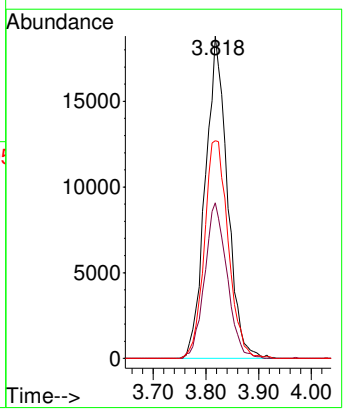
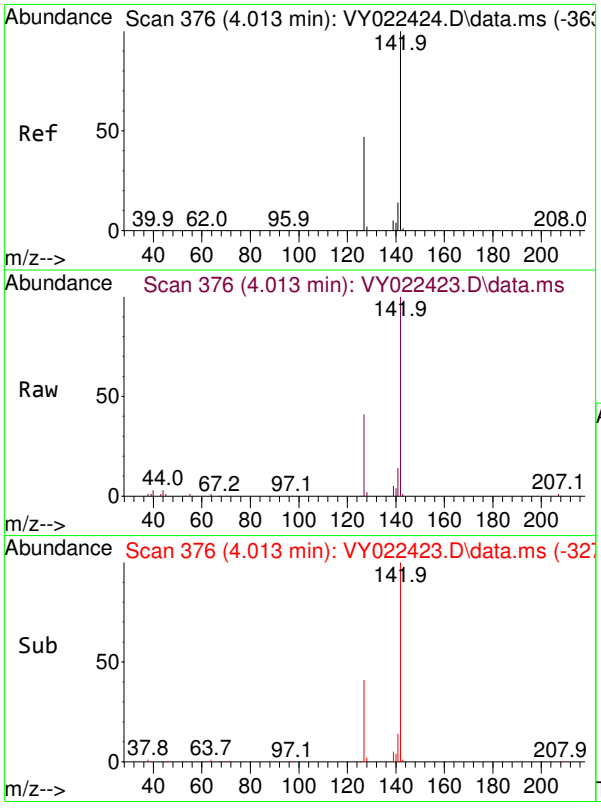
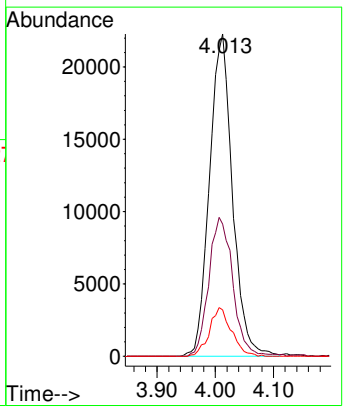


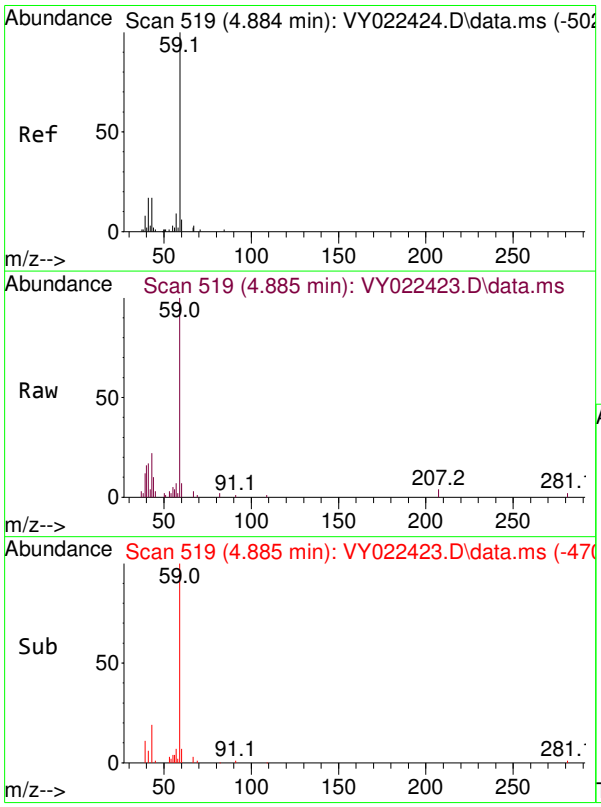


#10
Methyl Iodide
Concen: 20.286 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:142 Resp: 61032

Ion	Ratio	Lower	Upper
142	100		
127	45.1	36.2	54.4
141	14.5	11.6	17.4





#11
Tert butyl alcohol
Concen: 96.464 ug/l
RT: 4.885 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 59 Resp: 1809

Ion	Ratio	Lower	Upper
59	100		
57	5.9	9.1	13.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Amit Patel 05/28/2025
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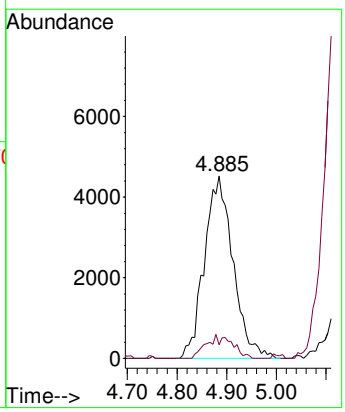
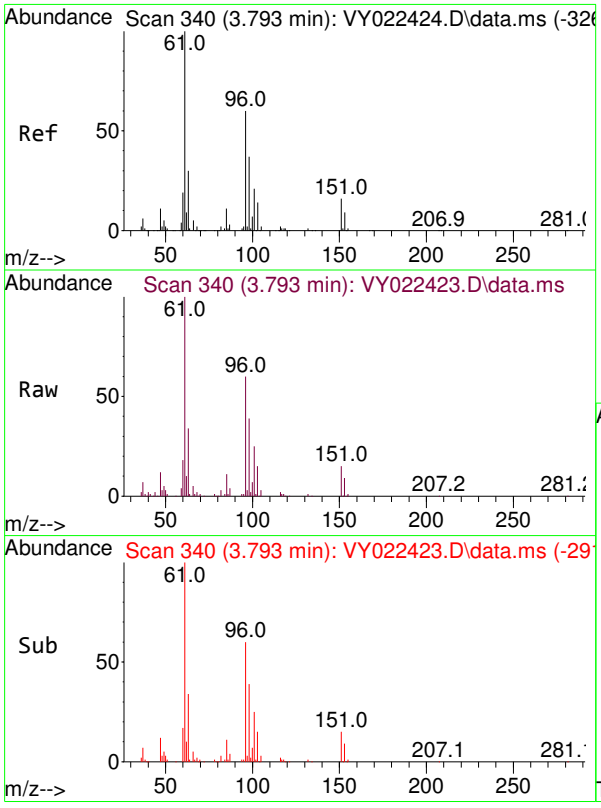
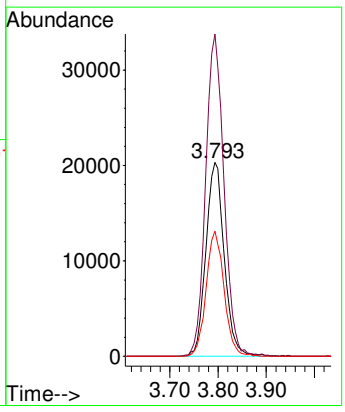


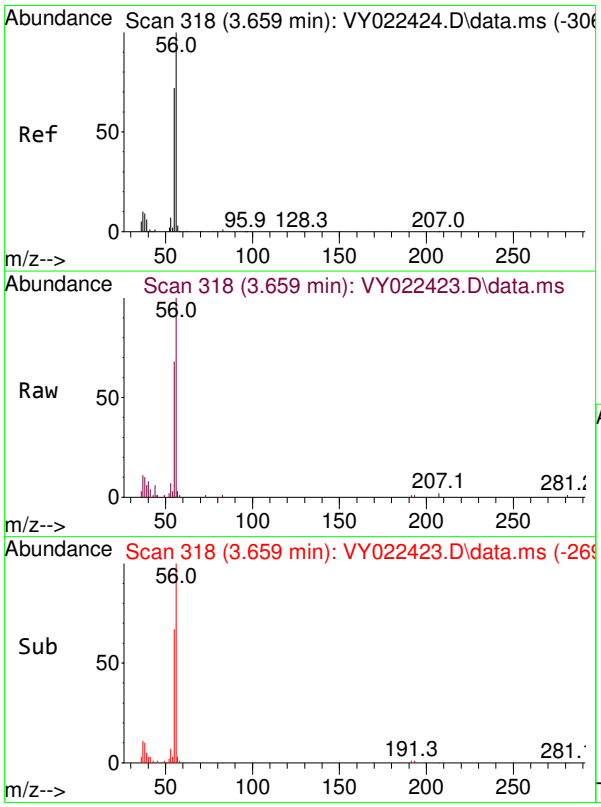


#12
1,1-Dichloroethene
Concen: 20.347 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 96 Resp: 53871

Ion	Ratio	Lower	Upper
96	100		
61	166.2	134.1	201.1
98	64.6	50.2	75.2





#13
Acrolein
Concen: 100.498 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 56 Resp: 2825

Ion	Ratio	Lower	Upper
56	100		
55	71.9	56.5	84.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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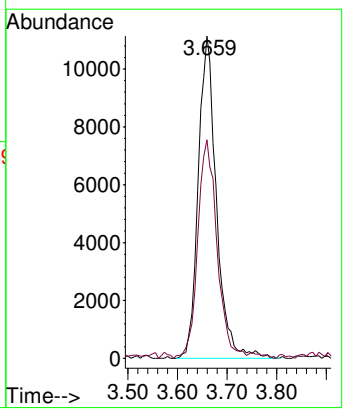
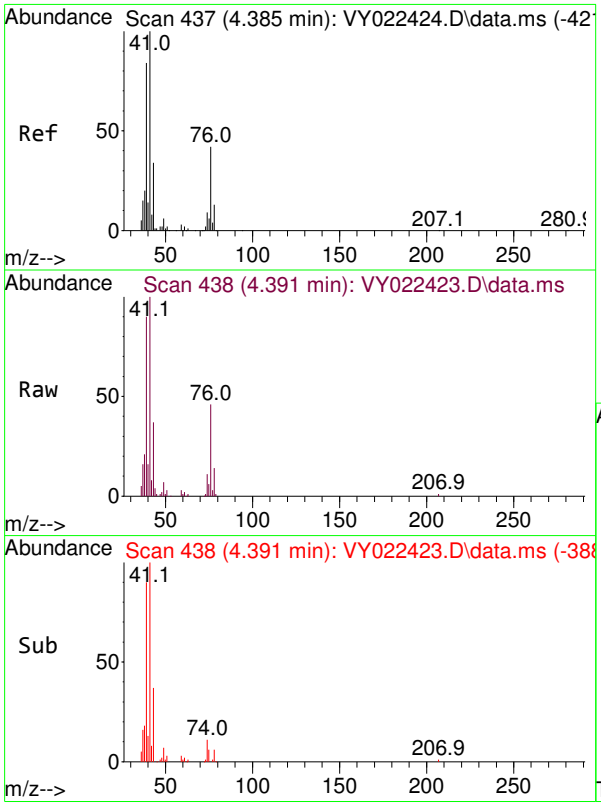
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

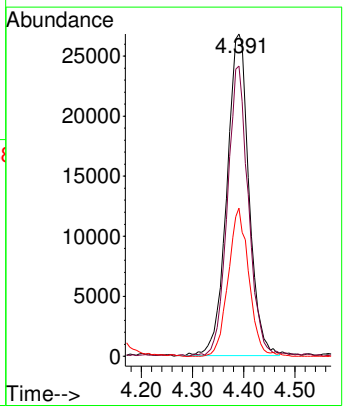


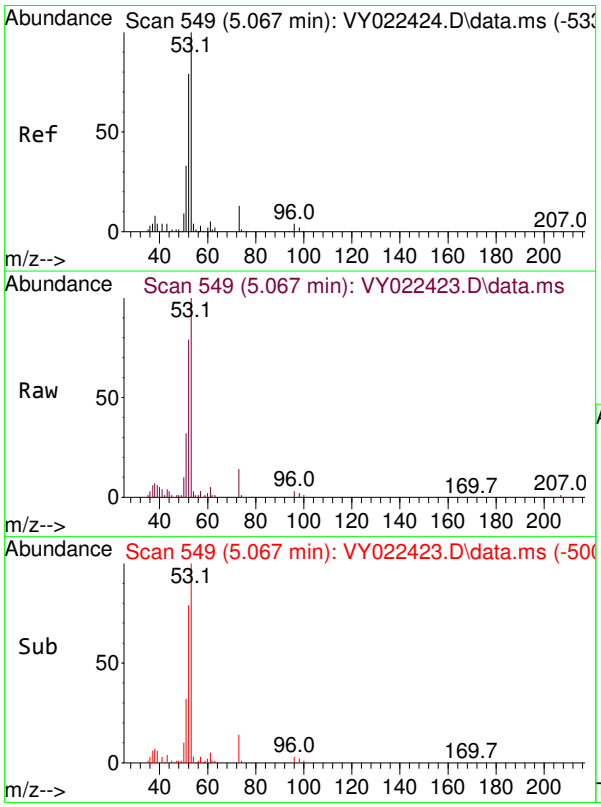


#14
Allyl chloride
Concen: 20.200 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 41 Resp: 80449

Ion	Ratio	Lower	Upper
41	100		
39	86.2	66.6	100.0
76	43.0	33.7	50.5





#15
Acrylonitrile
Concen: 97.719 ug/l
RT: 5.067 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 53 Resp: 5520

Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.1	97.7
51	37.9	30.0	45.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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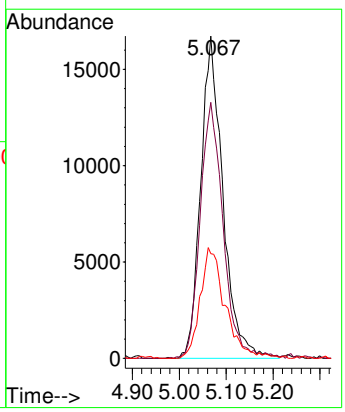
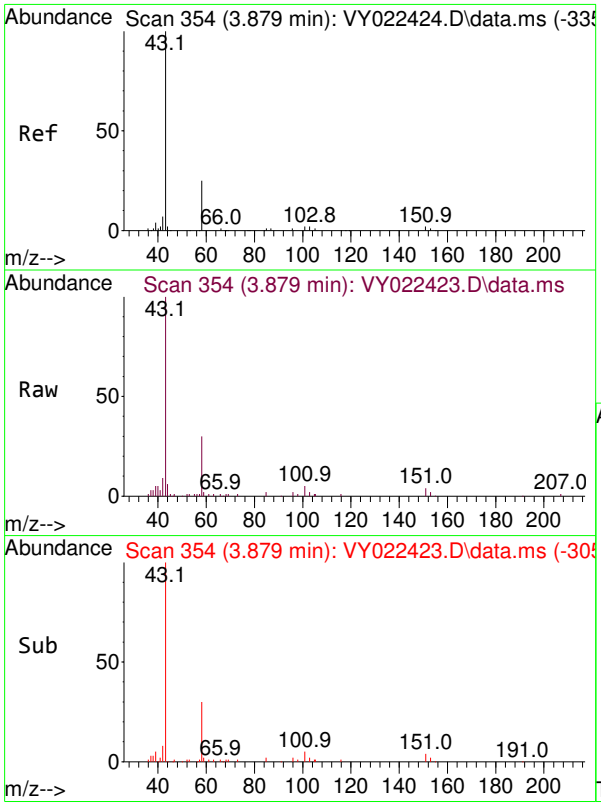
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

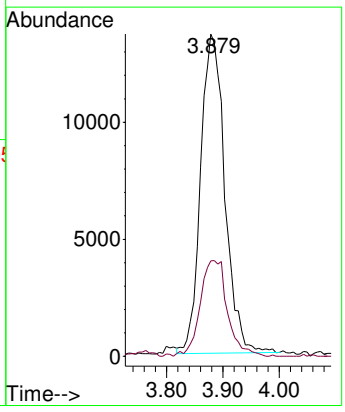


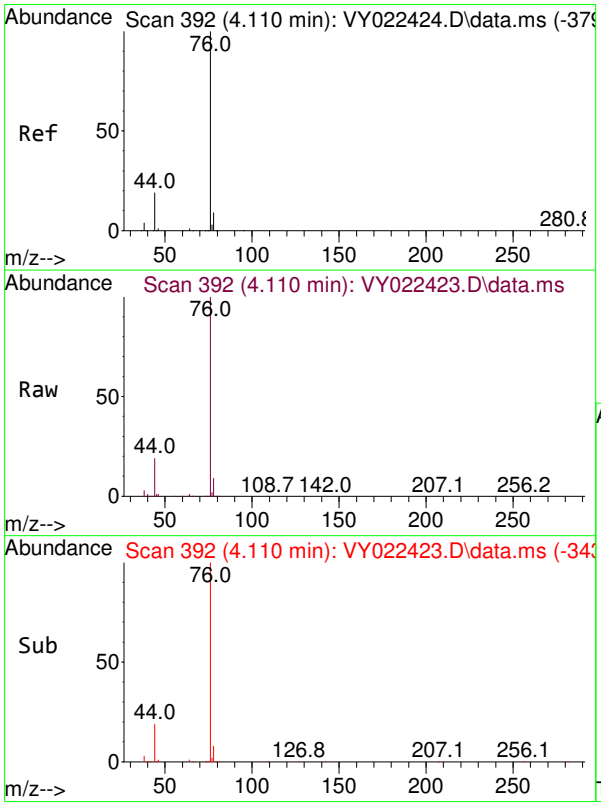


#16
Acetone
Concen: 93.210 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 43 Resp: 40769

Ion	Ratio	Lower	Upper
43	100		
58	29.9	20.6	30.8





#17
Carbon Disulfide
Concen: 20.423 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 76 Resp: 17255

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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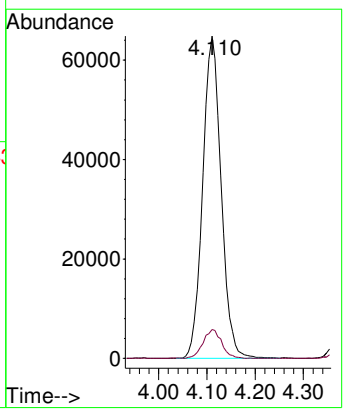
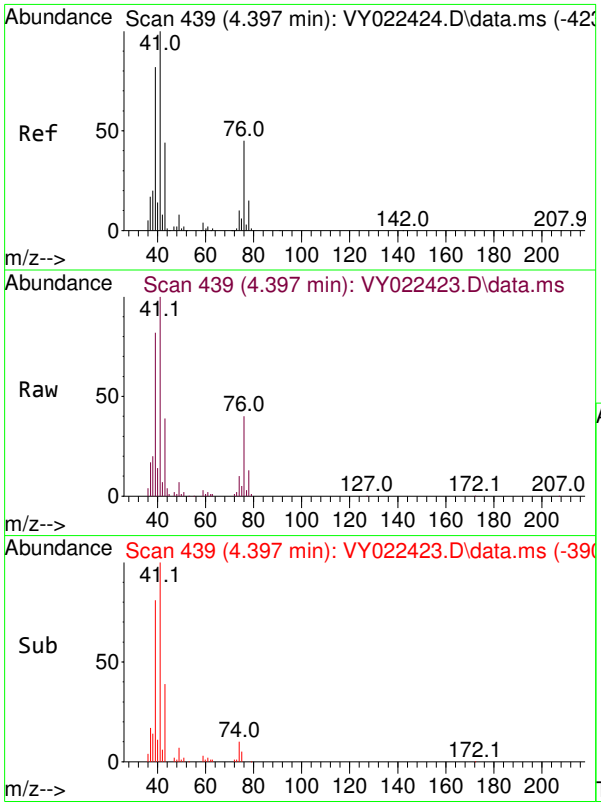
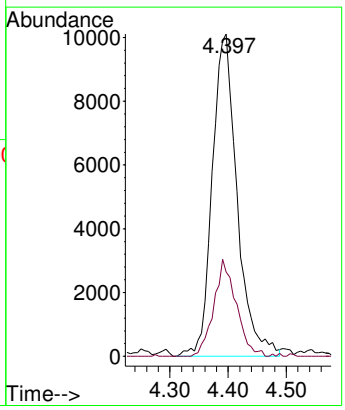


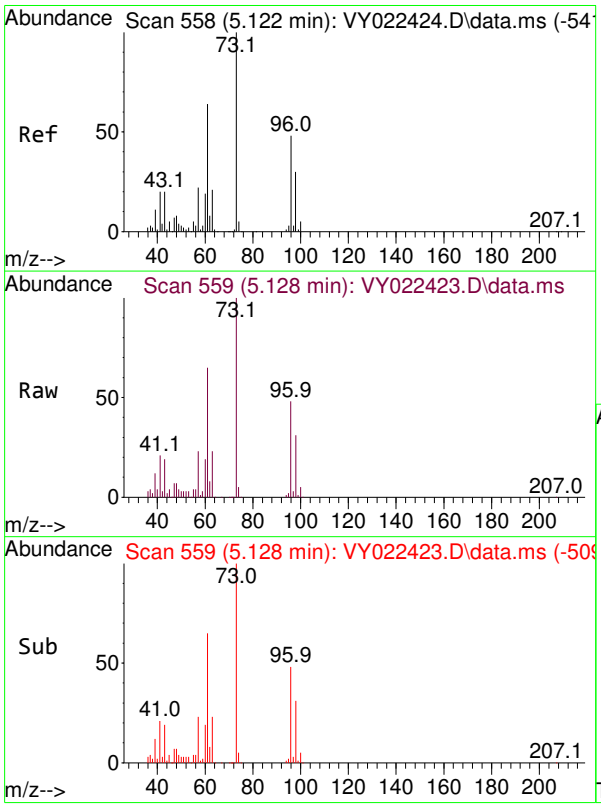


#18
Methyl Acetate
Concen: 18.275 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 43 Resp: 29942

Ion	Ratio	Lower	Upper
43	100		
74	27.1	21.2	31.8





#19
Methyl tert-butyl Ether
Concen: 19.508 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 73 Resp: 13712

Ion	Ratio	Lower	Upper
73	100		
57	23.3	17.7	26.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Amit Patel 05/28/2025
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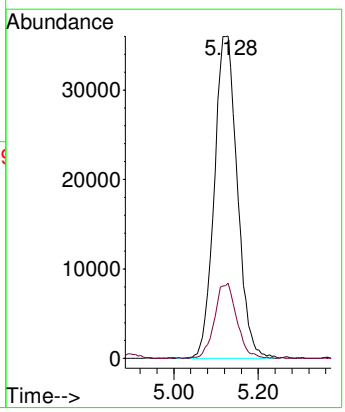
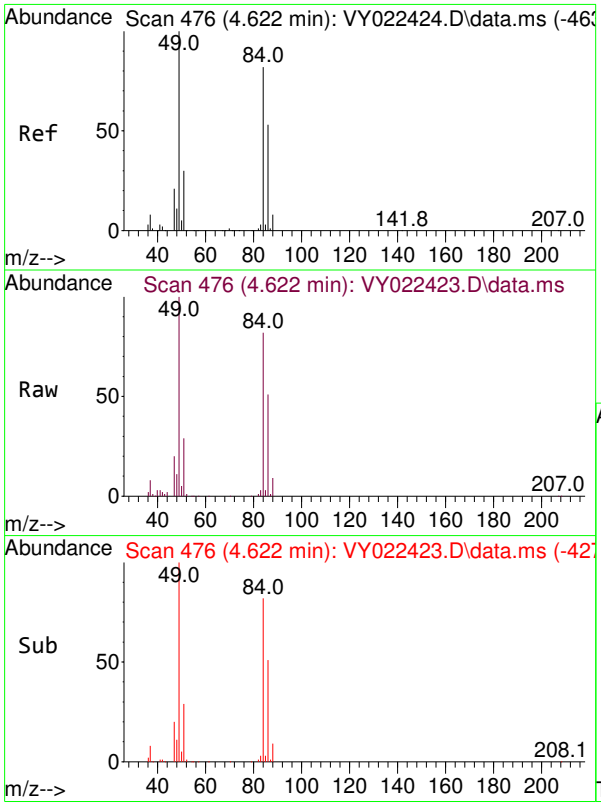
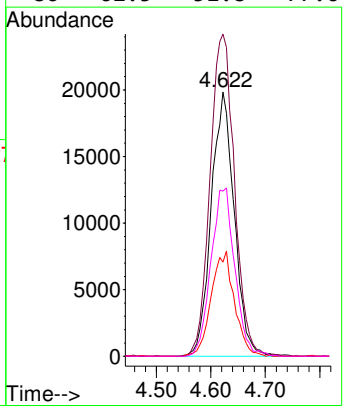


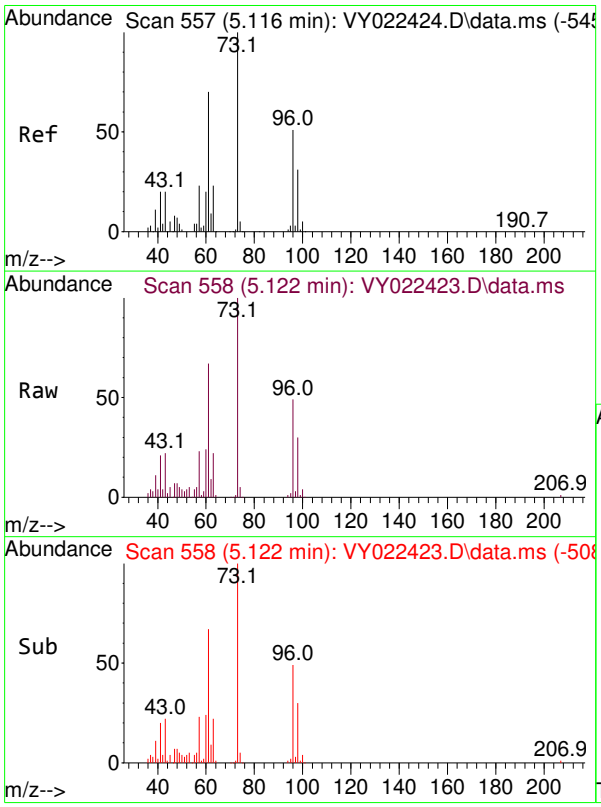


#20
Methylene Chloride
Concen: 18.912 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 84 Resp: 58412

Ion	Ratio	Lower	Upper
84	100		
49	122.0	97.8	146.8
51	35.6	29.5	44.3
86	62.5	51.8	77.6





#21
trans-1,2-Dichloroethene
Concen: 19.411 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

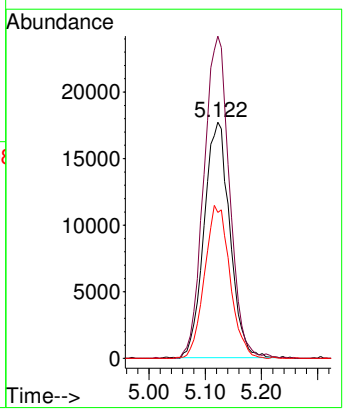
Tgt Ion: 96 Resp: 5610

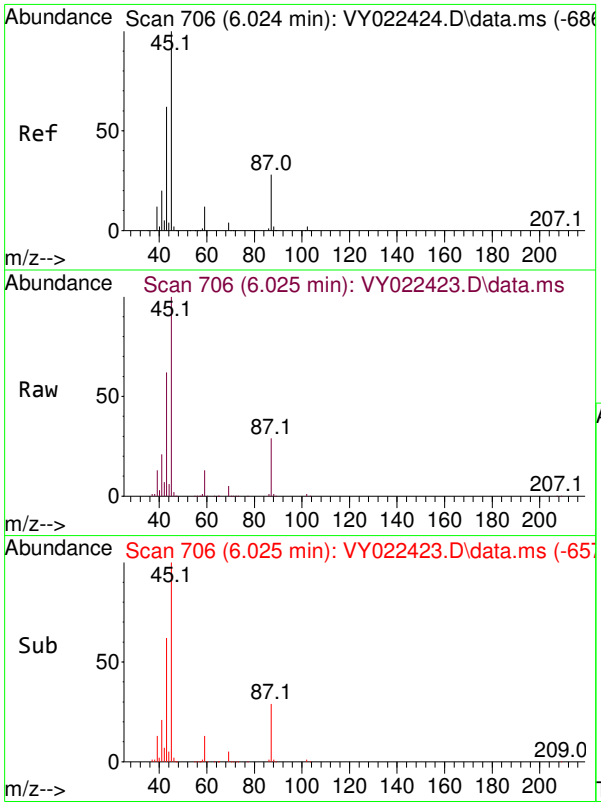
Ion	Ratio	Lower	Upper
96	100		
61	137.0	110.4	165.6
98	62.0	48.6	73.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

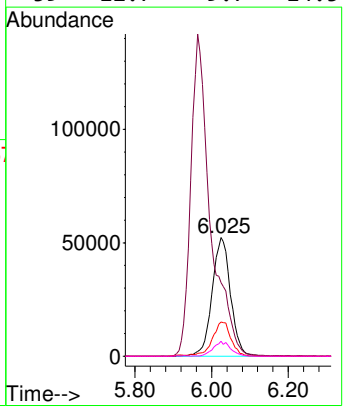


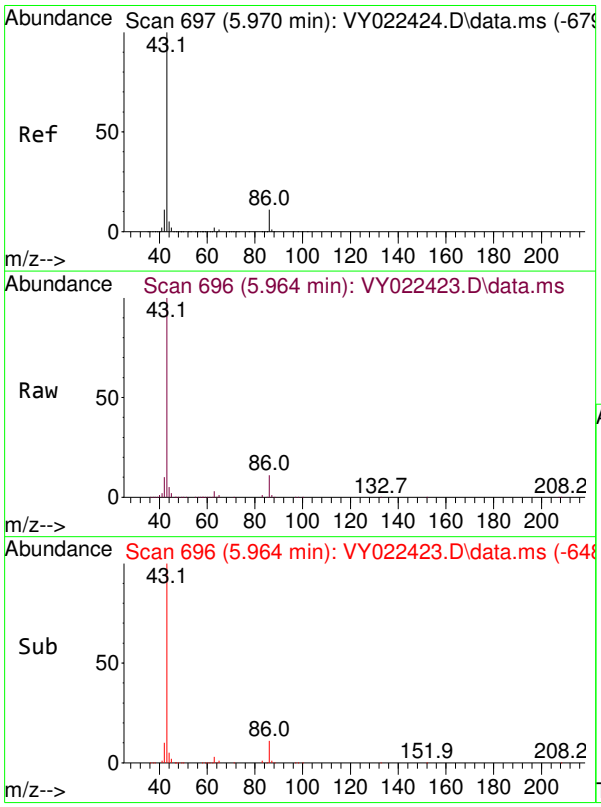


#22
Diisopropyl ether
Concen: 19.918 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 45 Resp: 175073

Ion	Ratio	Lower	Upper
45	100		
43	61.3	49.8	74.8
87	28.9	23.0	34.6
59	12.7	9.7	14.5





#23
Vinyl Acetate
Concen: 99.882 ug/l
RT: 5.964 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

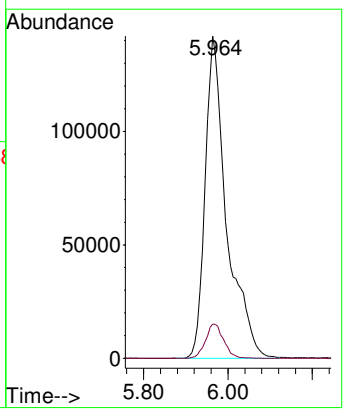
Tgt Ion: 43 Resp: 50410

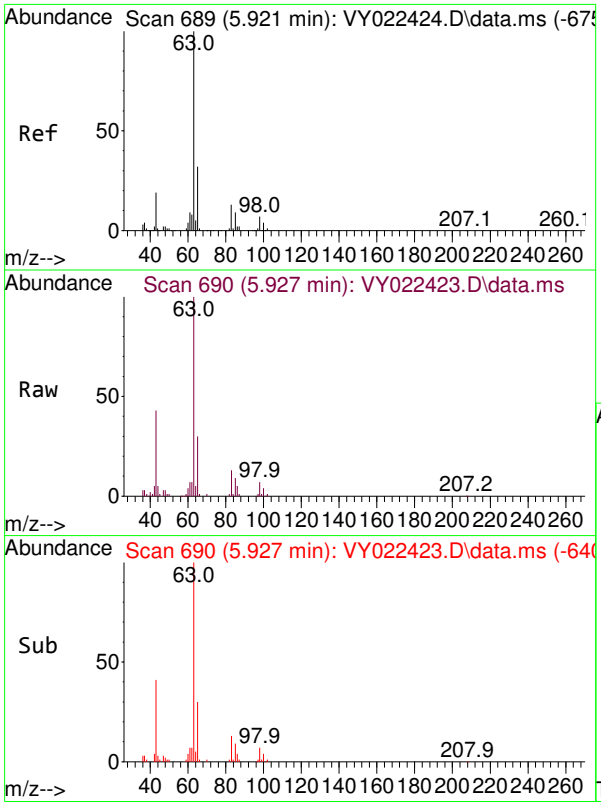
Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.8	13.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

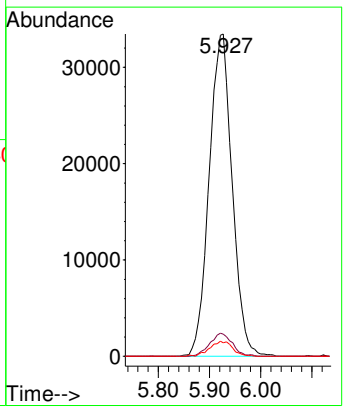


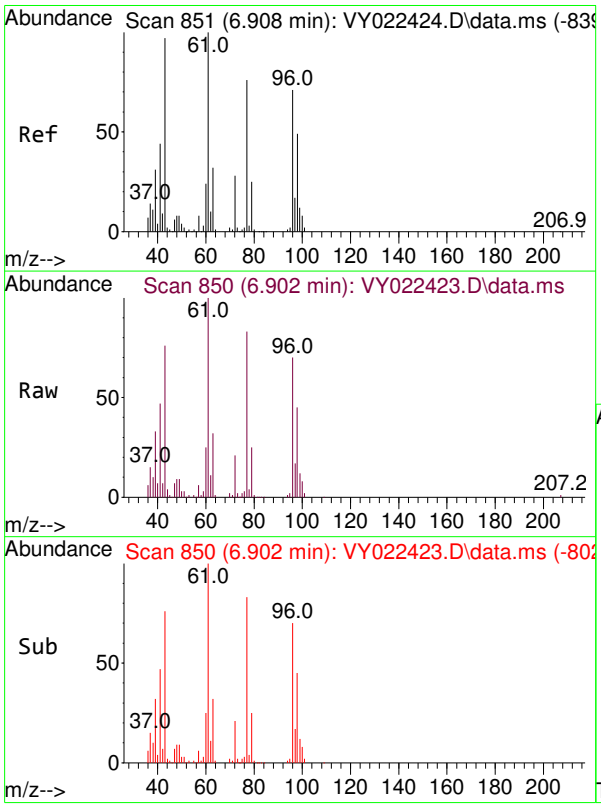


#24
1,1-Dichloroethane
Concen: 20.143 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 63 Resp: 104623

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.5
100	4.2	2.1	6.5

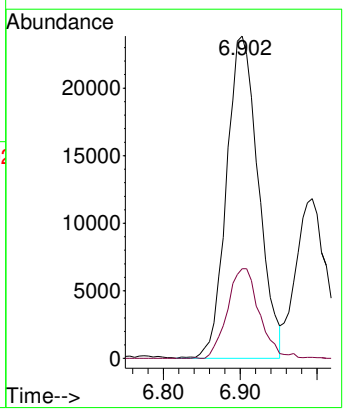




#25
2-Butanone
Concen: 94.358 ug/l
RT: 6.902 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 43 Resp: 6873

Ion	Ratio	Lower	Upper
43	100		
72	27.9	22.8	34.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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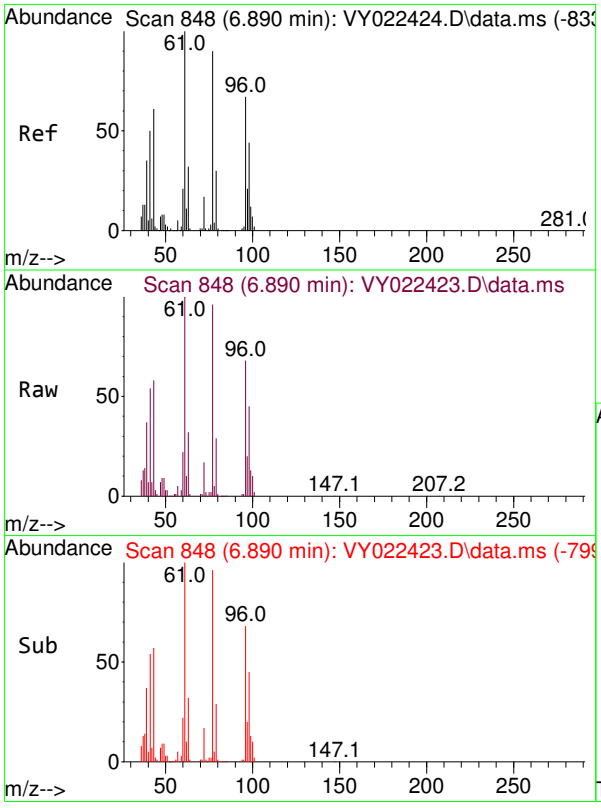
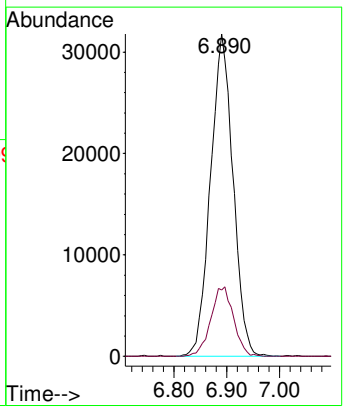
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

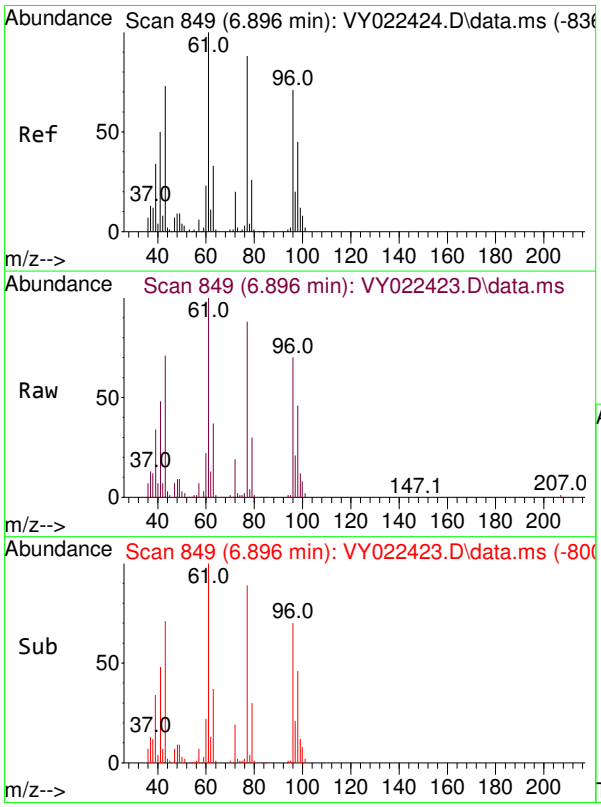


#26
2,2-Dichloropropane
Concen: 20.142 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 77 Resp: 94730

Ion	Ratio	Lower	Upper
77	100		
97	21.7	11.6	34.7





#27
cis-1,2-Dichloroethene
Concen: 19.640 ug/l
RT: 6.896 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 96 Resp: 6571

Ion	Ratio	Lower	Upper
96	100		
61	146.3	0.0	292.0
98	64.6	0.0	131.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Amit Patel 05/28/2025
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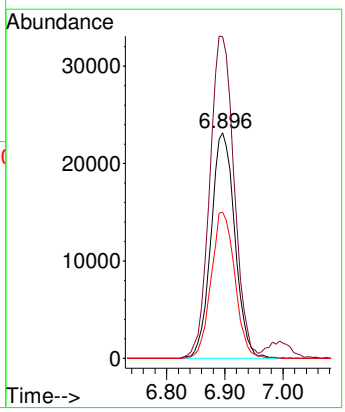
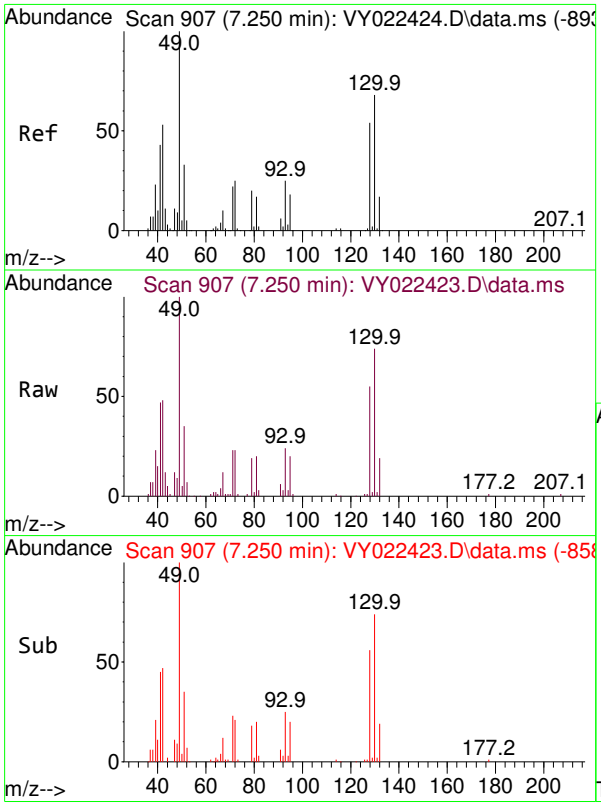
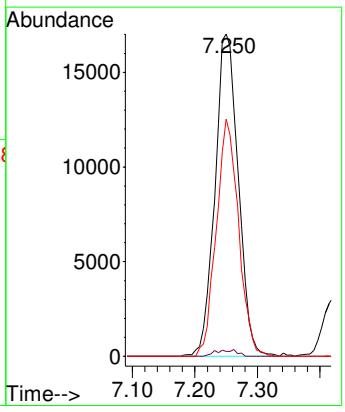


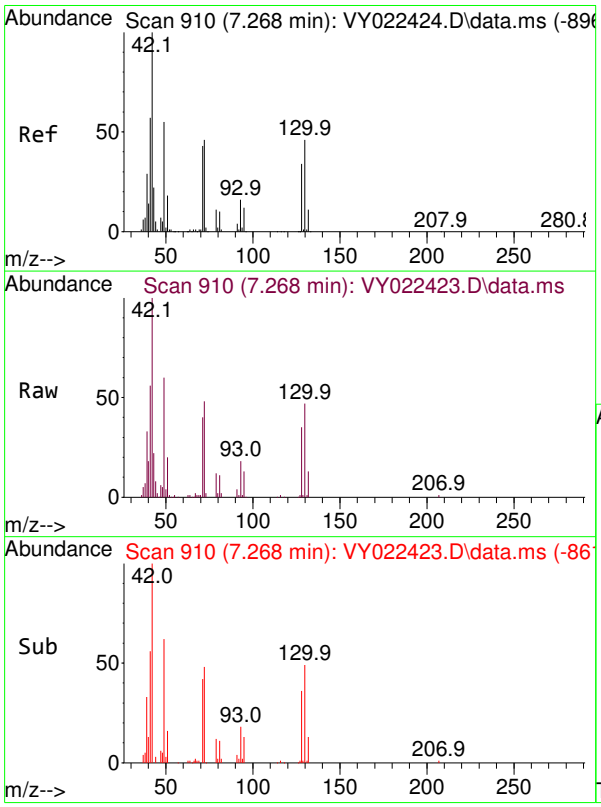


#28
Bromochloromethane
Concen: 20.266 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 49 Resp: 43955

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	70.2	56.9	85.3

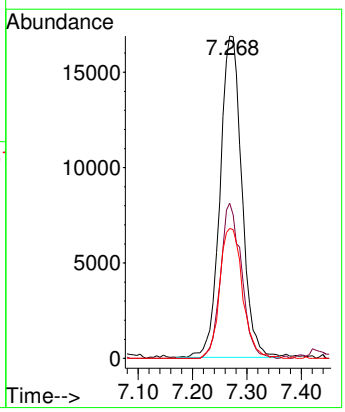




#29
Tetrahydrofuran
Concen: 95.946 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 42 Resp: 4661

Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.7	56.5
71	42.6	34.7	52.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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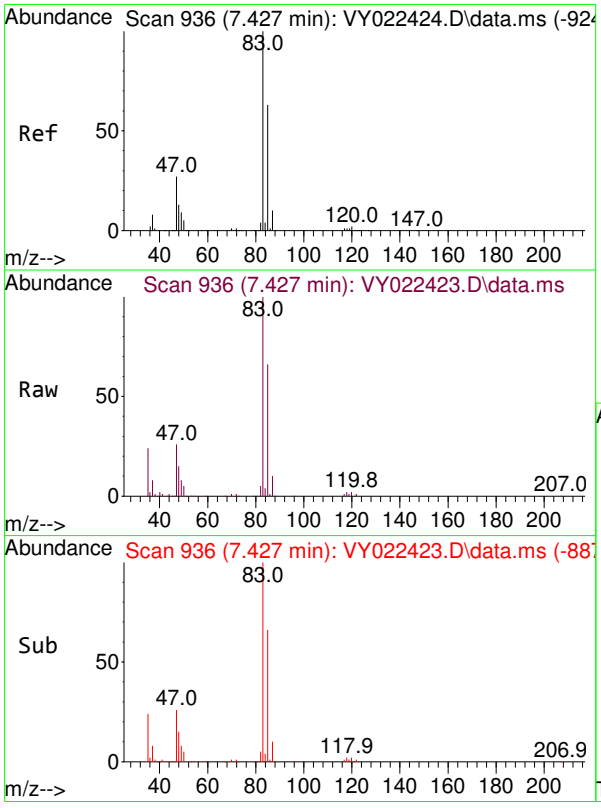
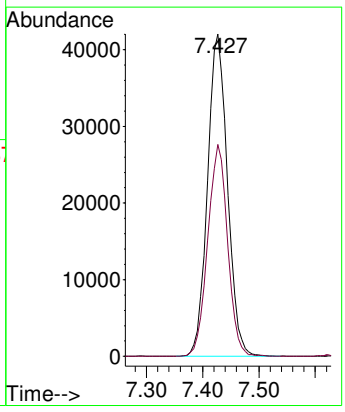
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

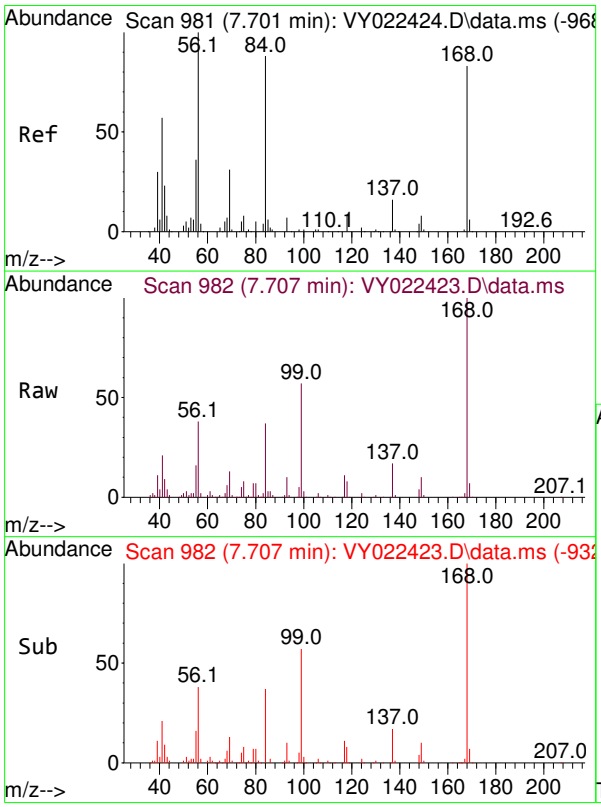


#30
Chloroform
Concen: 20.211 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 83 Resp: 103440

Ion	Ratio	Lower	Upper
83	100		
85	65.7	50.1	75.1





#31
Cyclohexane
Concen: 19.685 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

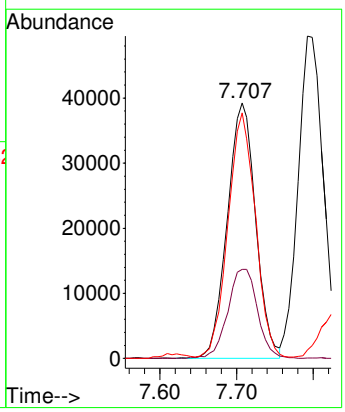
Tgt Ion: 56 Resp: 10078

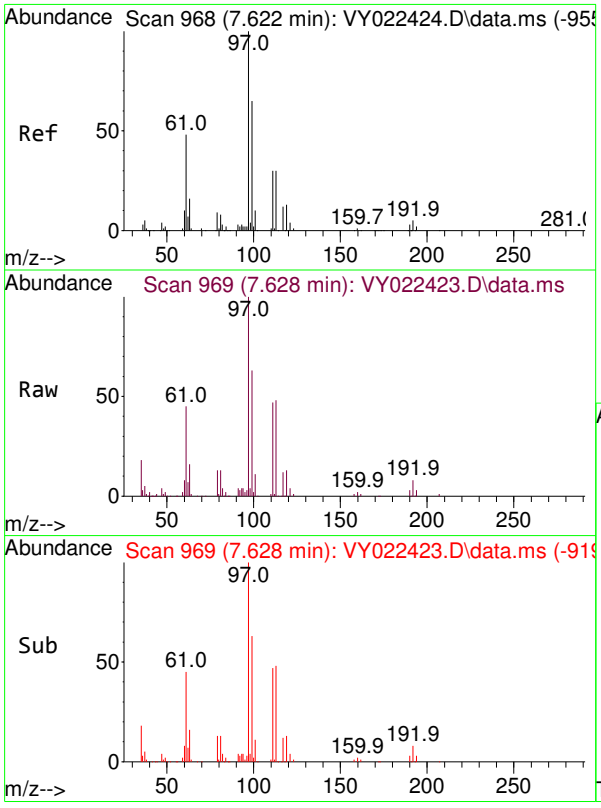
Ion	Ratio	Lower	Upper
56	100		
69	34.8	24.6	36.8
84	94.5	70.4	105.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

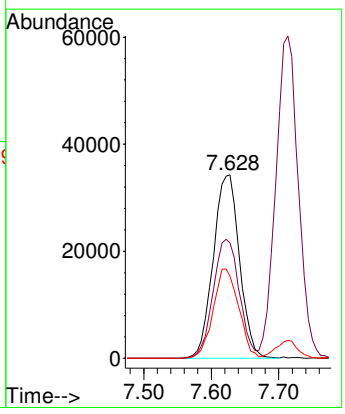


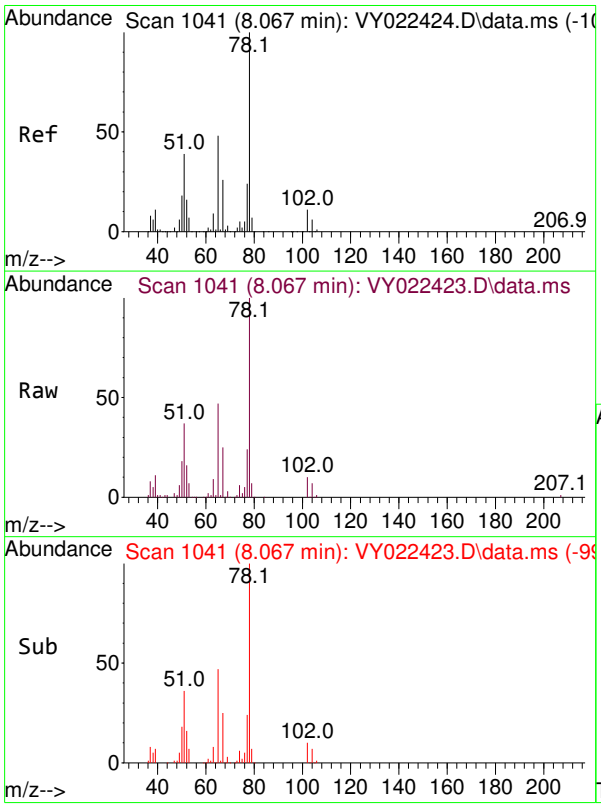


#32
1,1,1-Trichloroethane
Concen: 19.923 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 97 Resp: 92540

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.3	76.9
61	47.2	37.3	55.9





#33
1,2-Dichloroethane-d4
Concen: 19.622 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

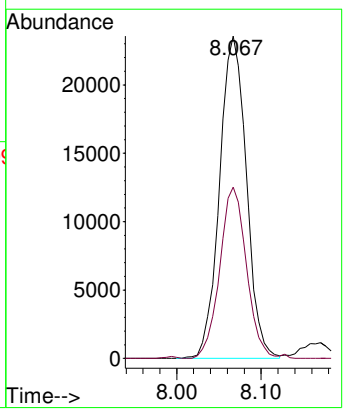
Tgt Ion: 65 Resp: 5222

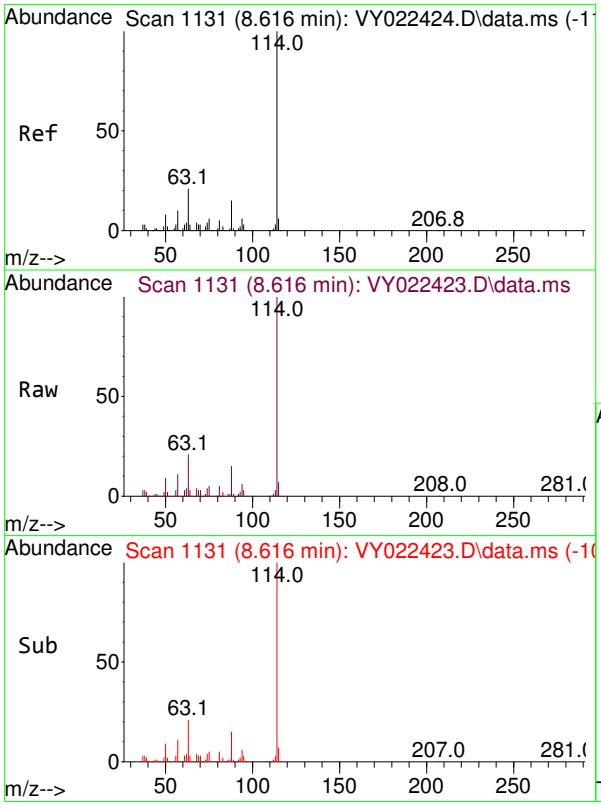
Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	104.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

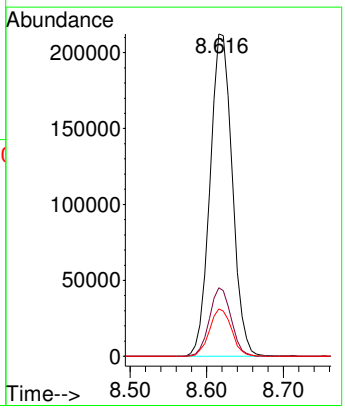


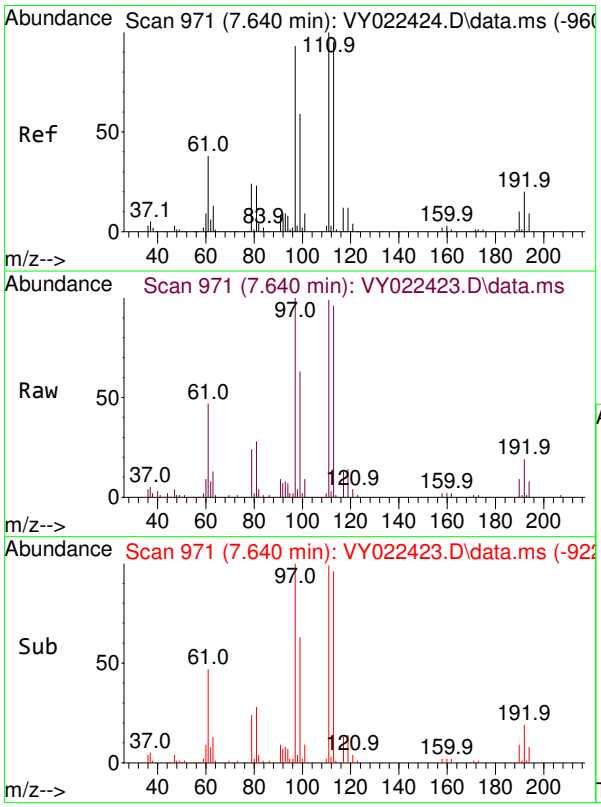


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:114 Resp: 427651

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	42.6
88	14.7	0.0	29.4





#35
Dibromofluoromethane
Concen: 19.331 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

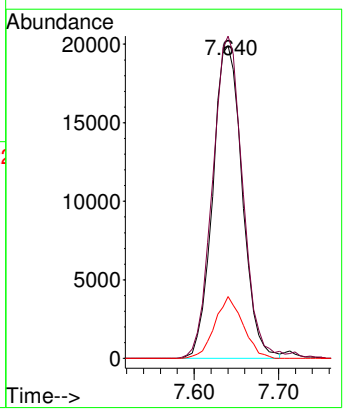
Tgt Ion:113 Resp: 4841

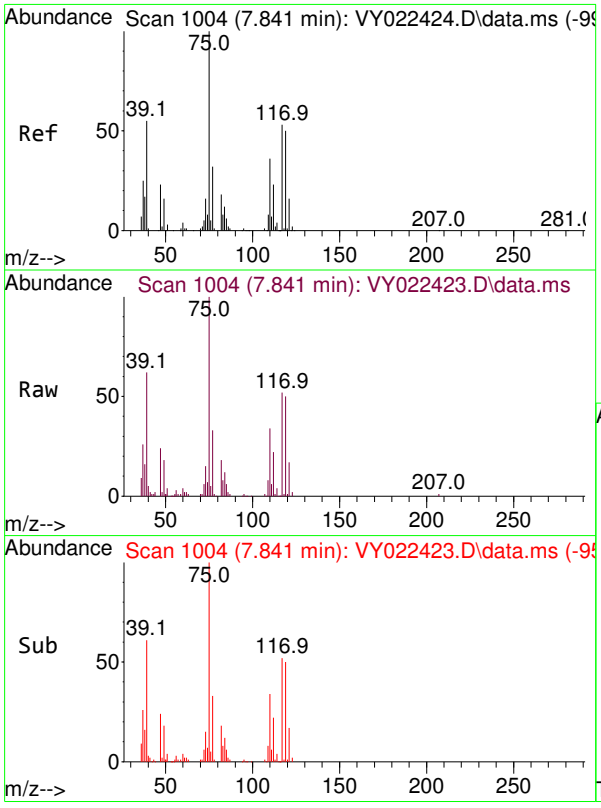
Ion	Ratio	Lower	Upper
113	100		
111	106.3	82.4	123.6
192	19.0	15.2	22.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

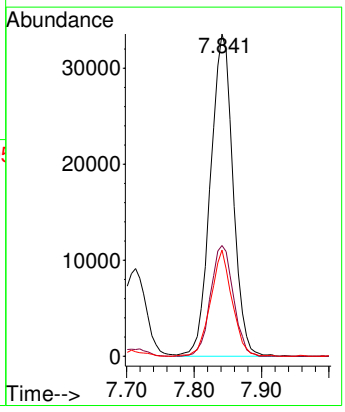


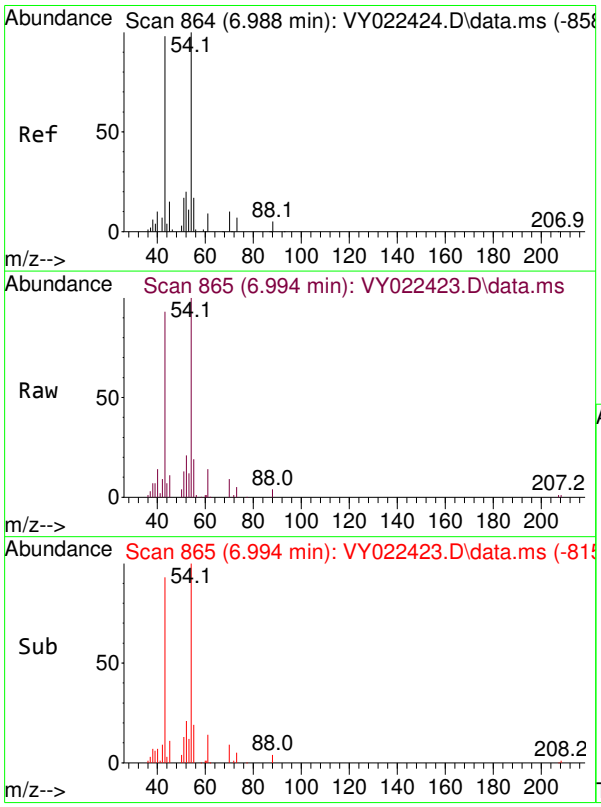


#36
1,1-Dichloropropene
Concen: 19.594 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 75 Resp: 77871

Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.1	51.2
77	31.3	25.1	37.7





#37
Ethyl Acetate
Concen: 19.462 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 43 Resp: 3287

Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.7	17.5
70	9.0	7.8	11.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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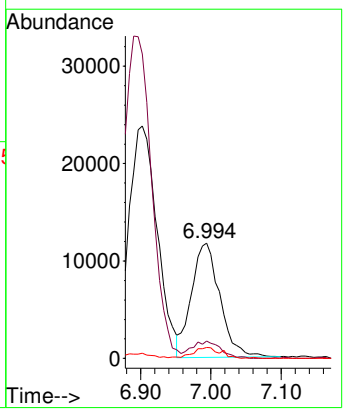
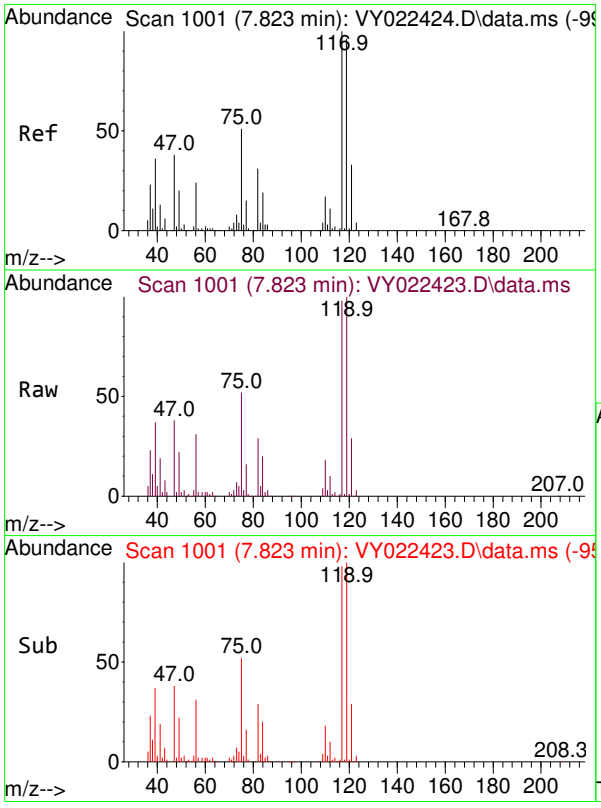
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

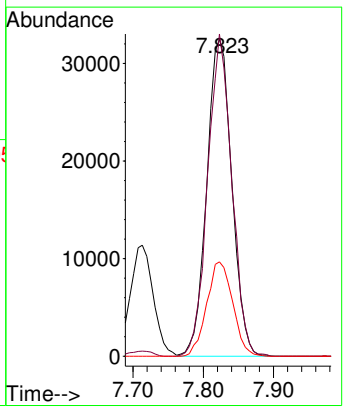


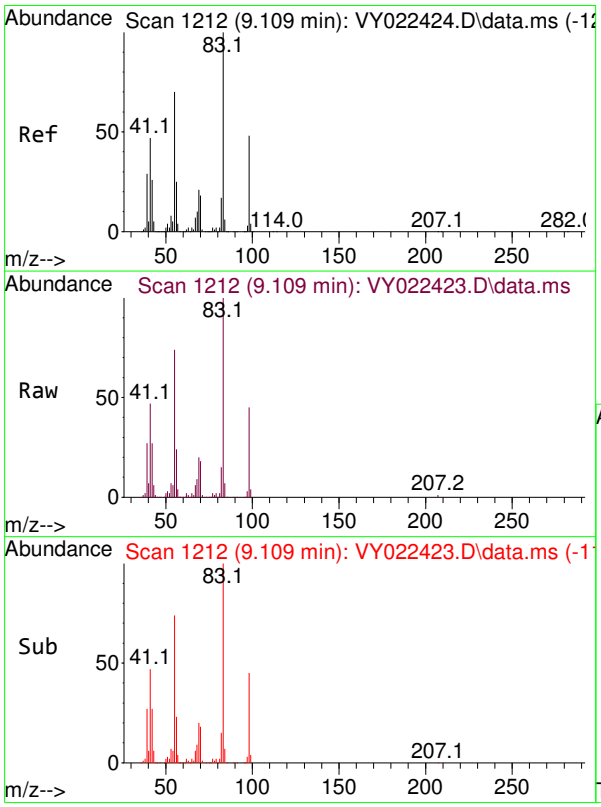


#38
Carbon Tetrachloride
Concen: 19.468 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:117 Resp: 80594

Ion	Ratio	Lower	Upper
117	100		
119	101.7	76.3	114.5
121	29.8	26.1	39.1





#39
Methylcyclohexane
Concen: 19.540 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

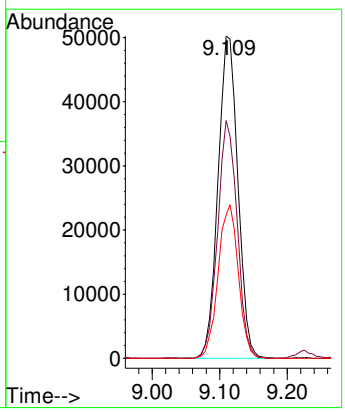
Tgt Ion: 83 Resp: 10322

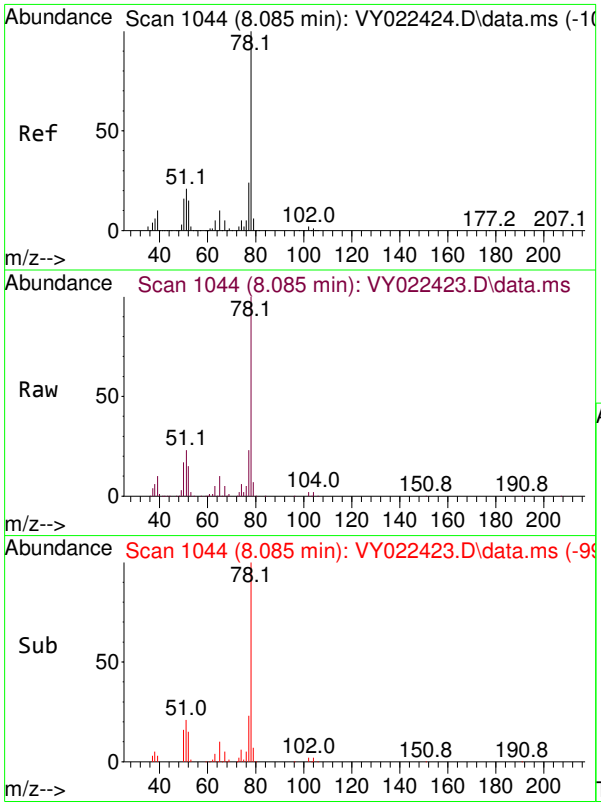
Ion	Ratio	Lower	Upper
83	100		
55	73.7	56.2	84.2
98	44.5	38.4	57.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

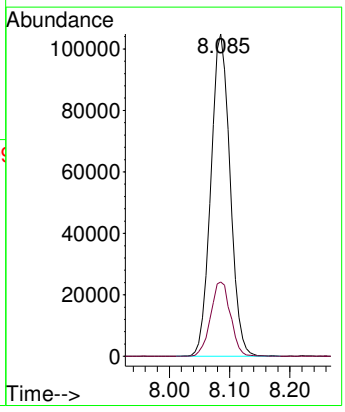


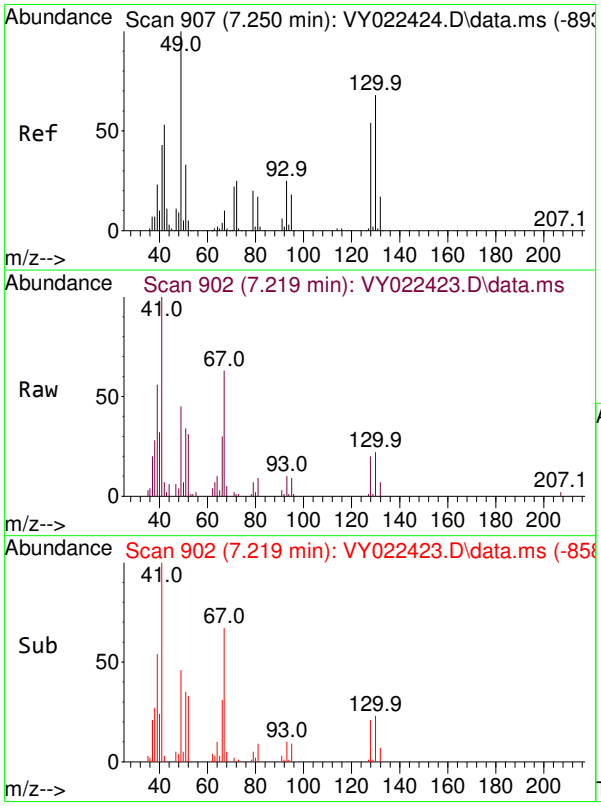


#40
Benzene
Concen: 19.670 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 78 Resp: 232606

Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.4	29.2

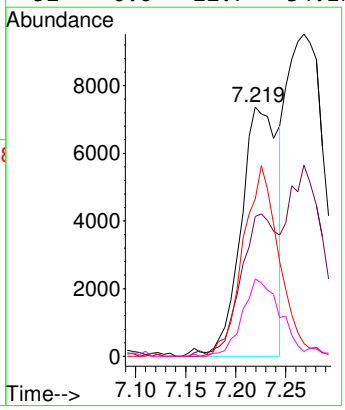




#41
Methacrylonitrile
Concen: 8.609 ug/l m
RT: 7.219 min Scan# 9
Delta R.T. -0.030 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 41 Resp: 1913

Ion	Ratio	Lower	Upper
41	100		
39	76.6	40.4	60.6
67	0.0	53.0	79.4
52	0.0	22.7	34.1#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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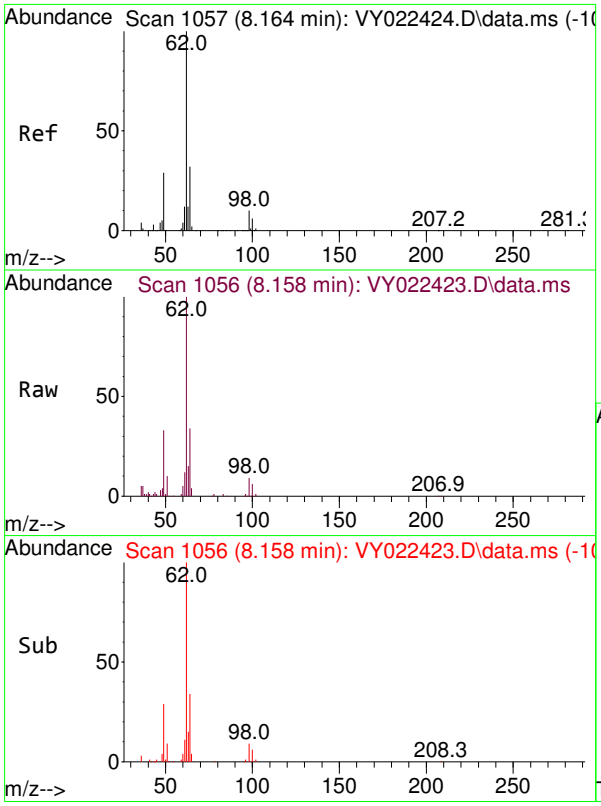
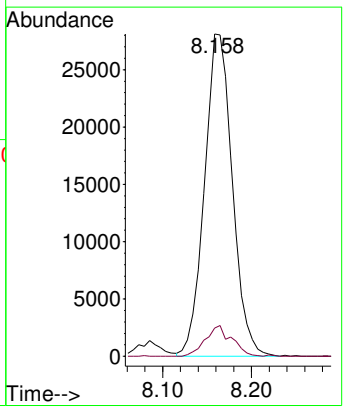
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

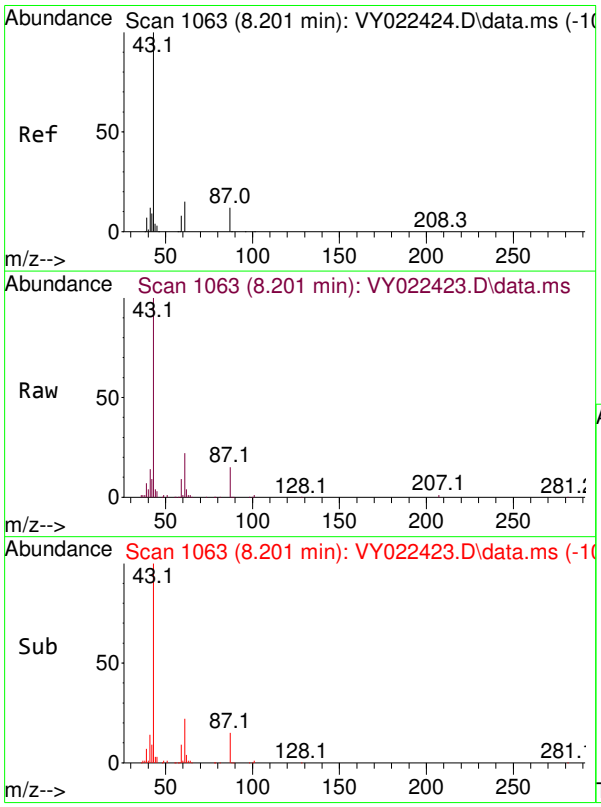


#42
1,2-Dichloroethane
Concen: 19.699 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 62 Resp: 61523

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.4

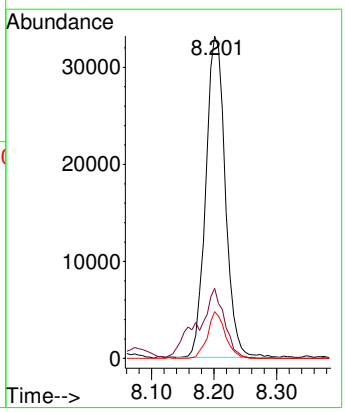




#43
Isopropyl Acetate
Concen: 19.483 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 43 Resp: 7190

Ion	Ratio	Lower	Upper
43	100		
61	30.1	15.4	23.0
87	13.2	10.6	15.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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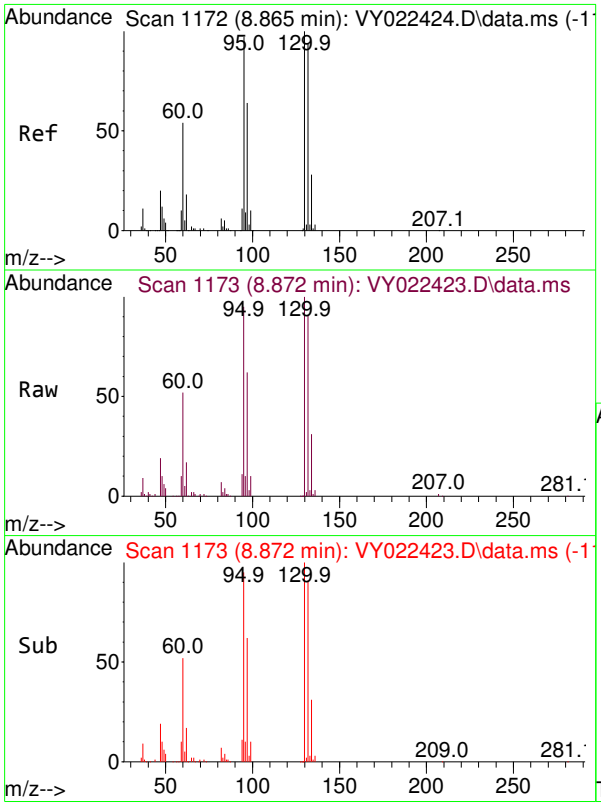
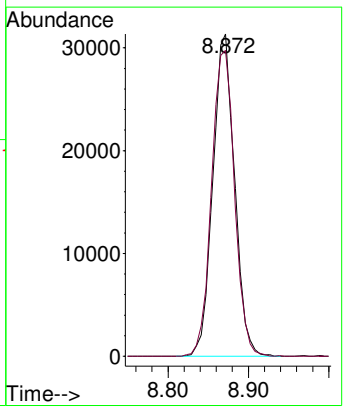
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

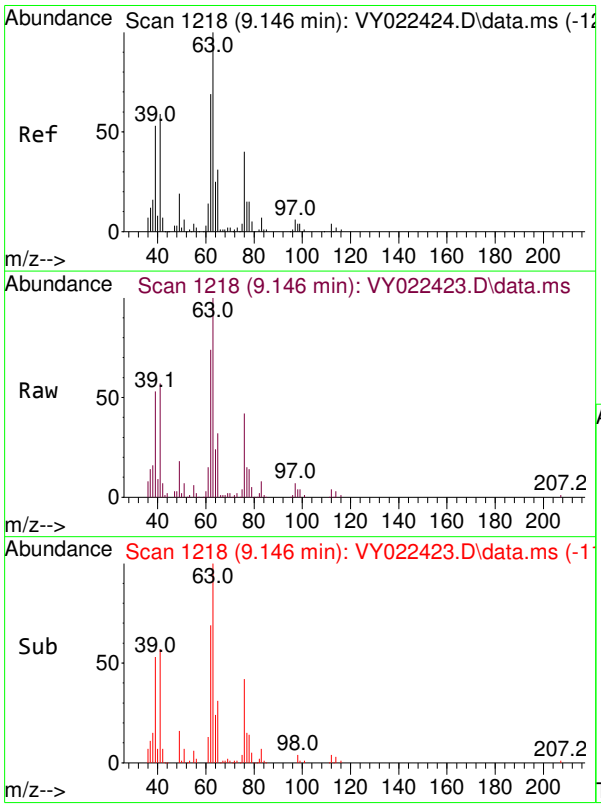


#44
Trichloroethene
Concen: 20.135 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:130 Resp: 58860

Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	194.8





#45
1,2-Dichloropropane
Concen: 19.598 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 63 Resp: 5445

Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.1	37.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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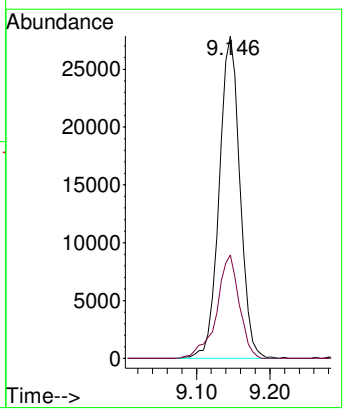
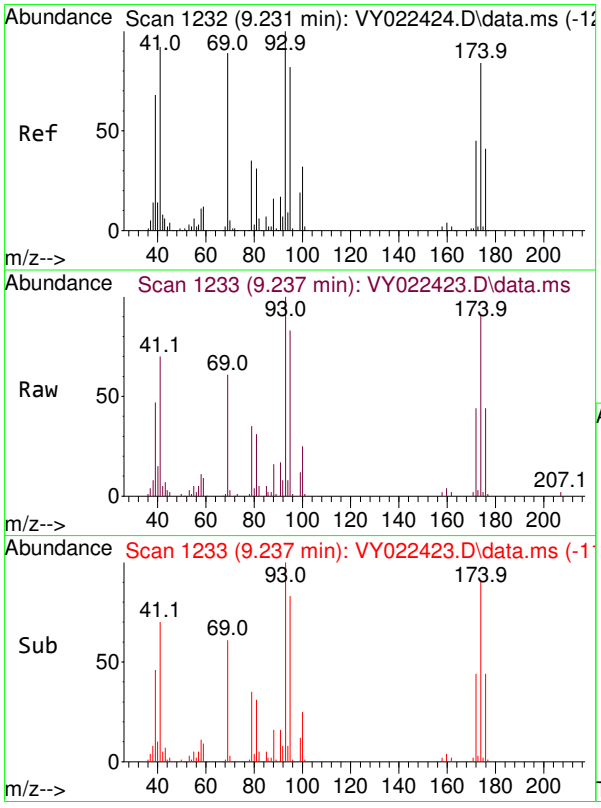
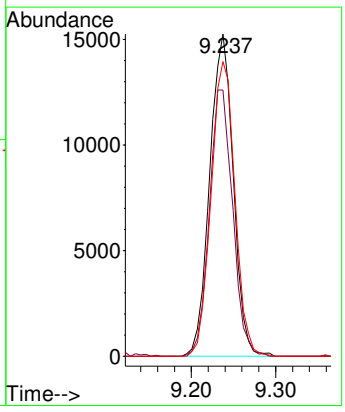


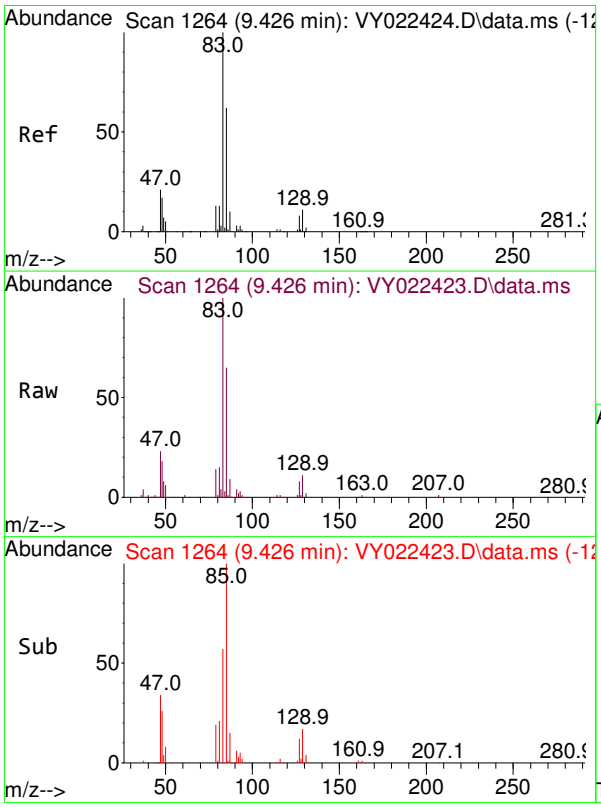


#46
Dibromomethane
Concen: 19.122 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 93 Resp: 29679

Ion	Ratio	Lower	Upper
93	100		
95	82.0	66.2	99.2
174	92.5	71.1	106.7





#47
Bromodichloromethane
Concen: 19.250 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 83 Resp: 7683

Ion	Ratio	Lower	Upper
83	100		
85	64.6	49.8	74.6
127	8.0	6.6	9.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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Reviewed By :Amit Patel 05/28/2025
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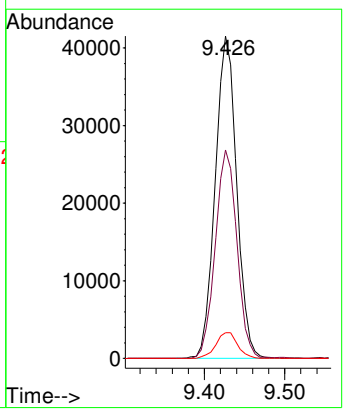
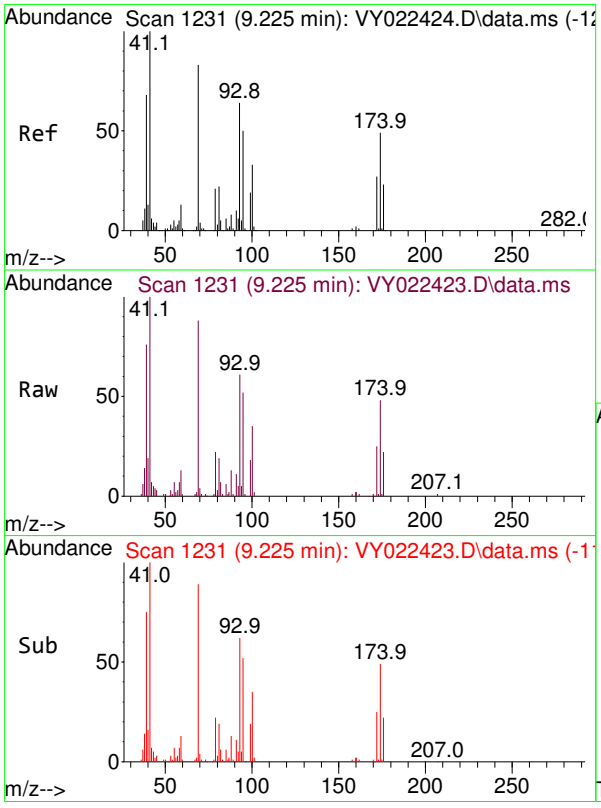
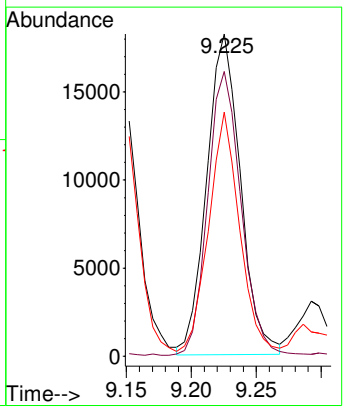


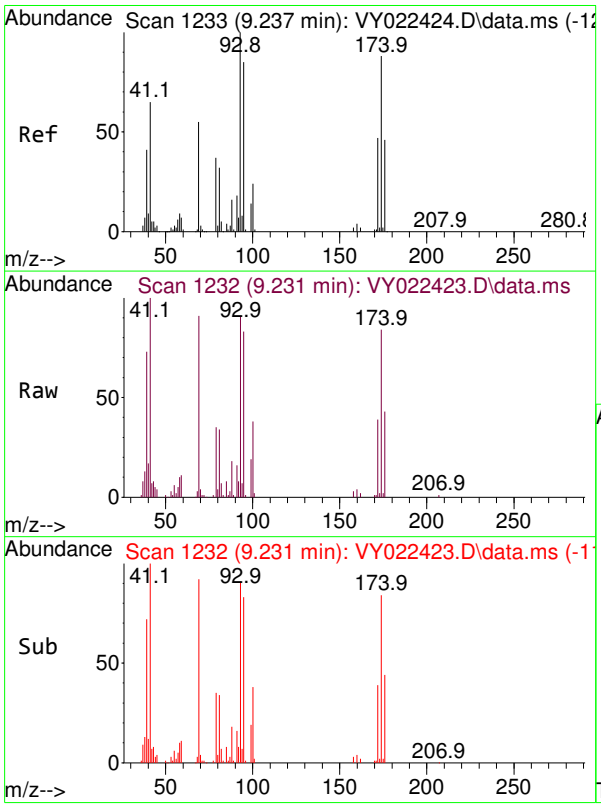


#48
Methyl methacrylate
Concen: 19.218 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 41 Resp: 32925

Ion	Ratio	Lower	Upper
41	100		
69	87.2	70.3	105.5
39	67.9	55.4	83.0





#49
1,4-Dioxane
Concen: 403.829 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 88 Resp: 692

Ion	Ratio	Lower	Upper
88	100		
43	37.7	26.9	40.3
58	61.5	55.8	83.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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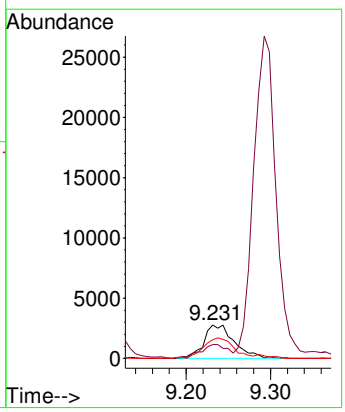
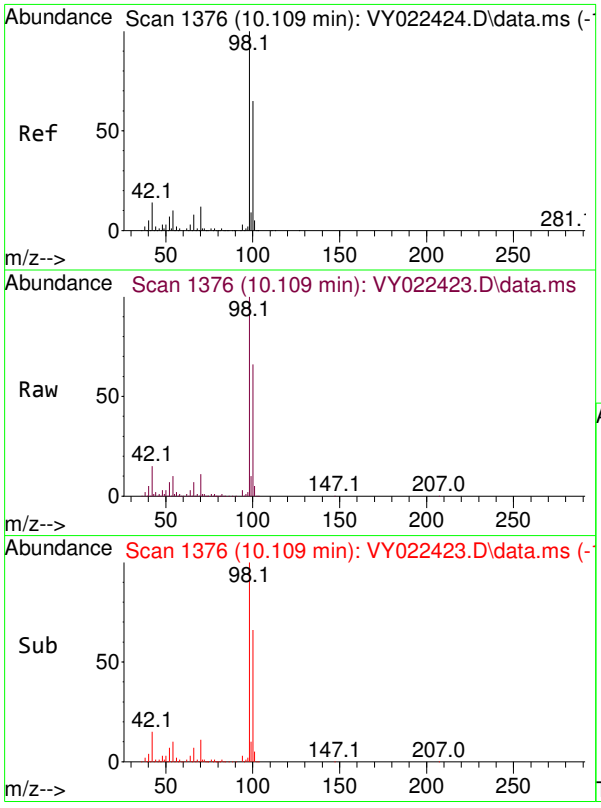
Supervised By :Mahesh Dadoda 05/28/2025

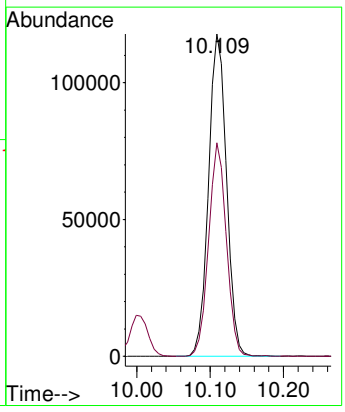


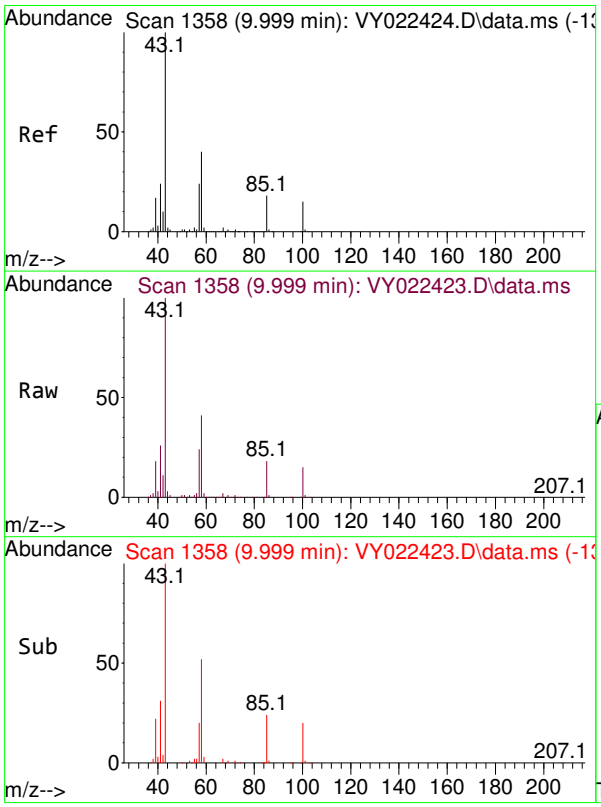


#50
Toluene-d8
Concen: 19.571 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 98 Resp: 199816

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.2	78.2





#51
4-Methyl-2-Pentanone
Concen: 92.837 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 43 Resp: 16905

Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.2	46.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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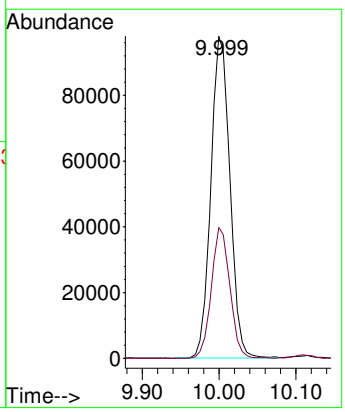
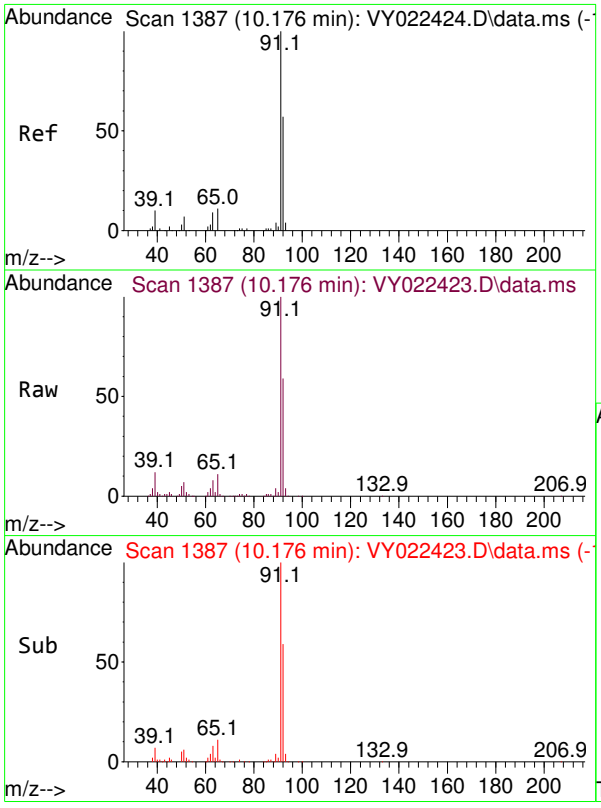
Supervised By :Mahesh Dadoda 05/28/2025

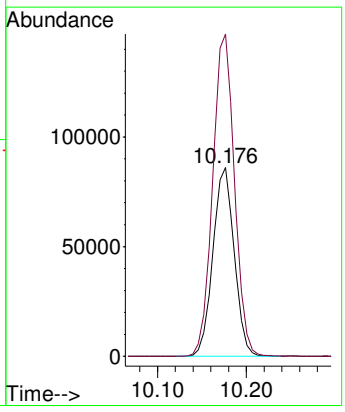


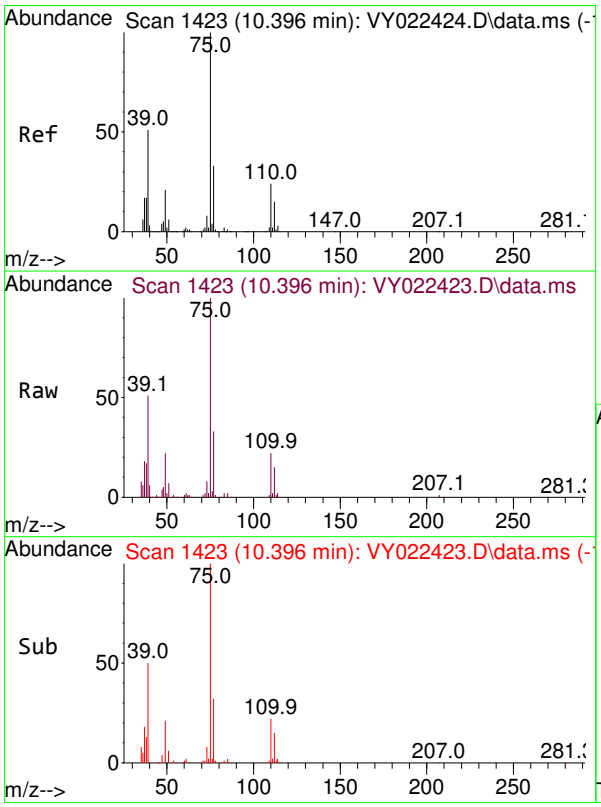


#52
Toluene
Concen: 19.489 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 92 Resp: 143949

Ion	Ratio	Lower	Upper
92	100		
91	174.8	139.8	209.6





#53
t-1,3-Dichloropropene
Concen: 19.160 ug/l
RT: 10.396 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 75 Resp: 7123

Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.2	39.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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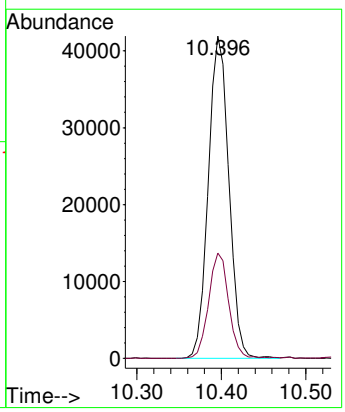
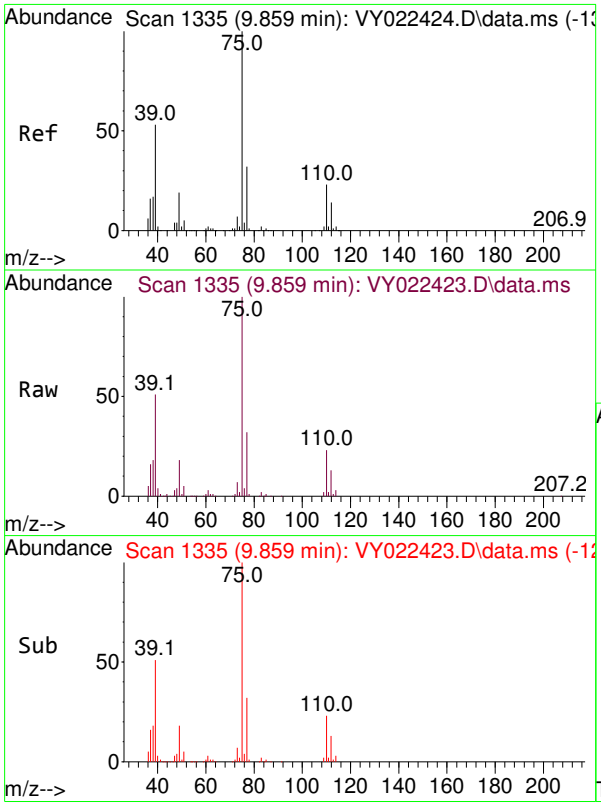
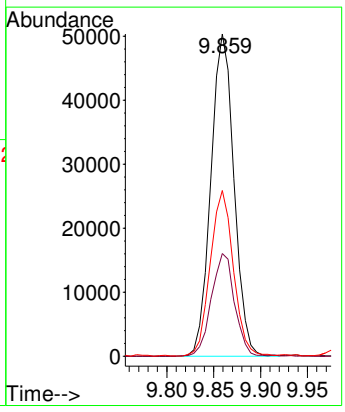


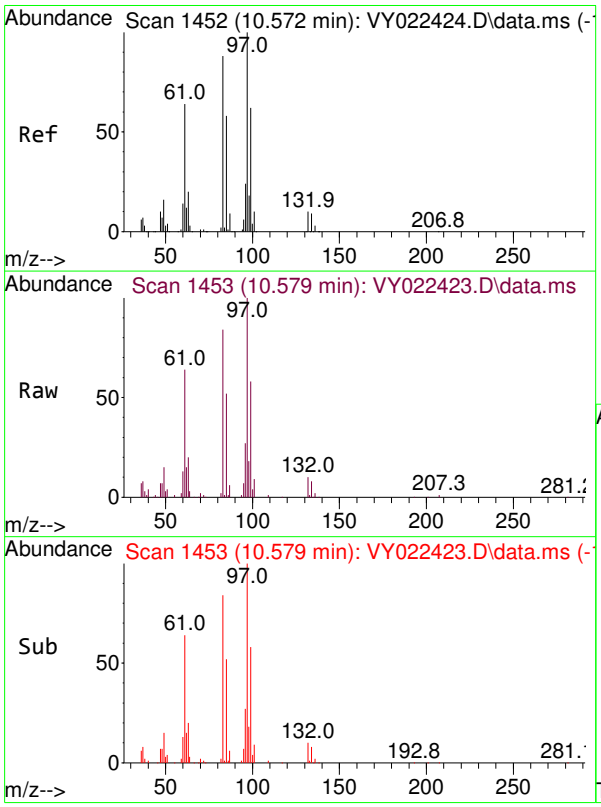


#54
cis-1,3-Dichloropropene
Concen: 19.747 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 75 Resp: 86263

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2
39	51.2	42.5	63.7

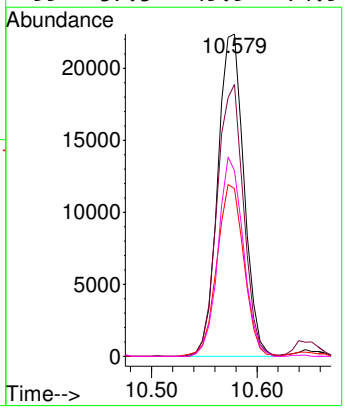




#55
1,1,2-Trichloroethane
Concen: 19.713 ug/l
RT: 10.579 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 97 Resp: 3868

Ion	Ratio	Lower	Upper
97	100		
83	84.4	70.2	105.4
85	52.0	46.1	69.1
99	57.5	49.9	74.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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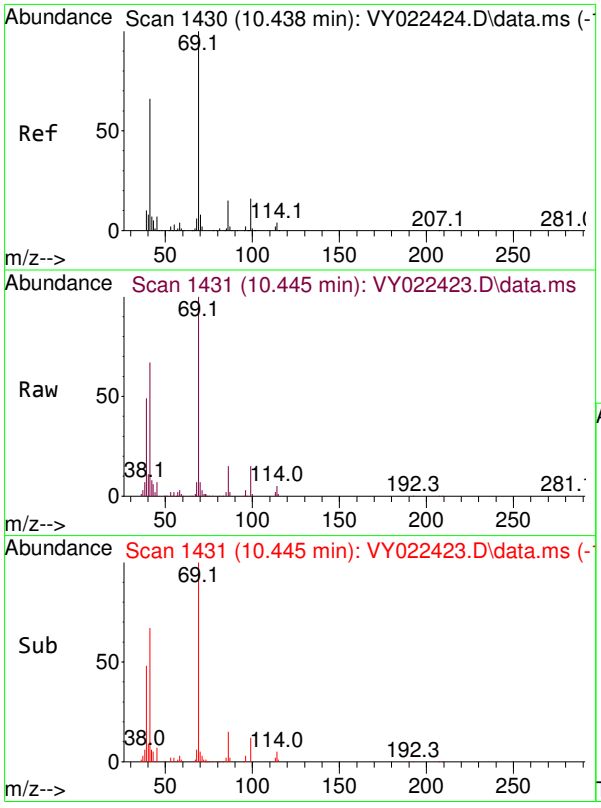
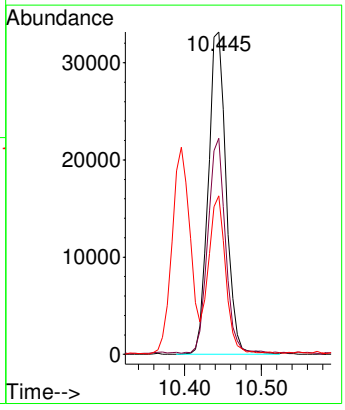
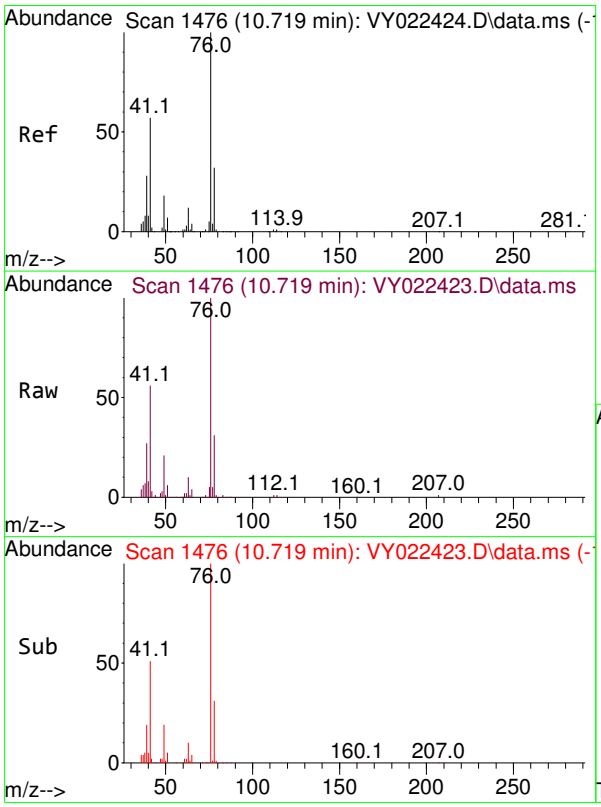


#56
Ethyl methacrylate
Concen: 19.140 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 69 Resp: 53900

Ion	Ratio	Lower	Upper
69	100		
41	65.2	51.2	76.8
39	45.7	35.2	52.8





#57
1,3-Dichloropropane
Concen: 19.893 ug/l
RT: 10.719 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 76 Resp: 6879

Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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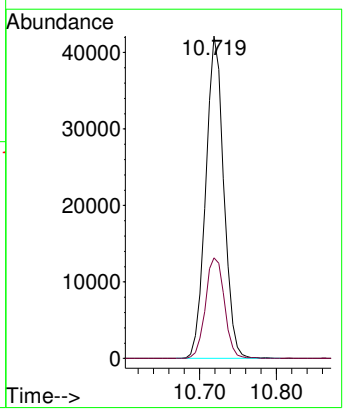
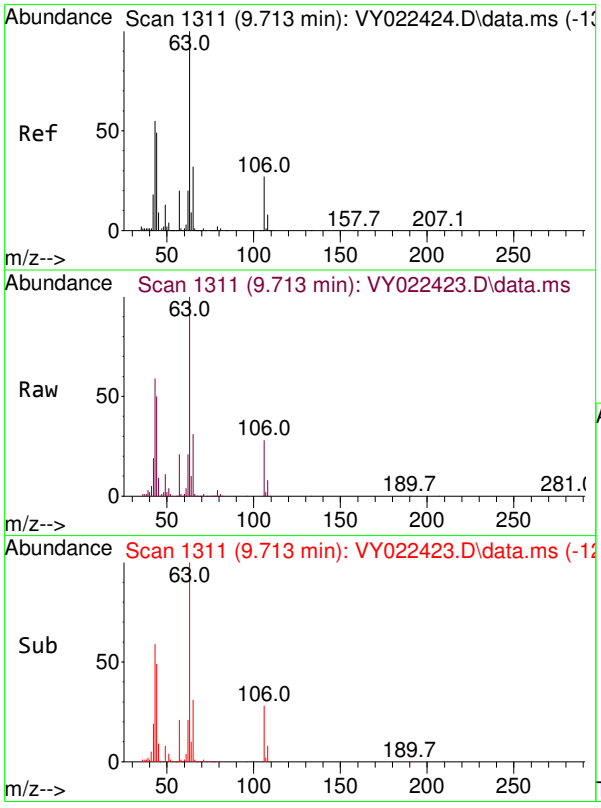
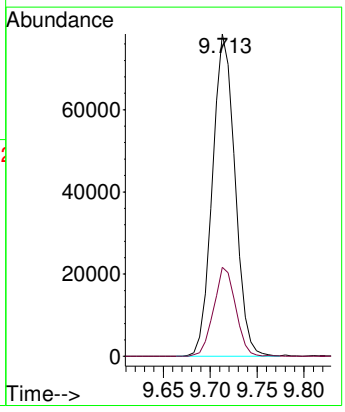


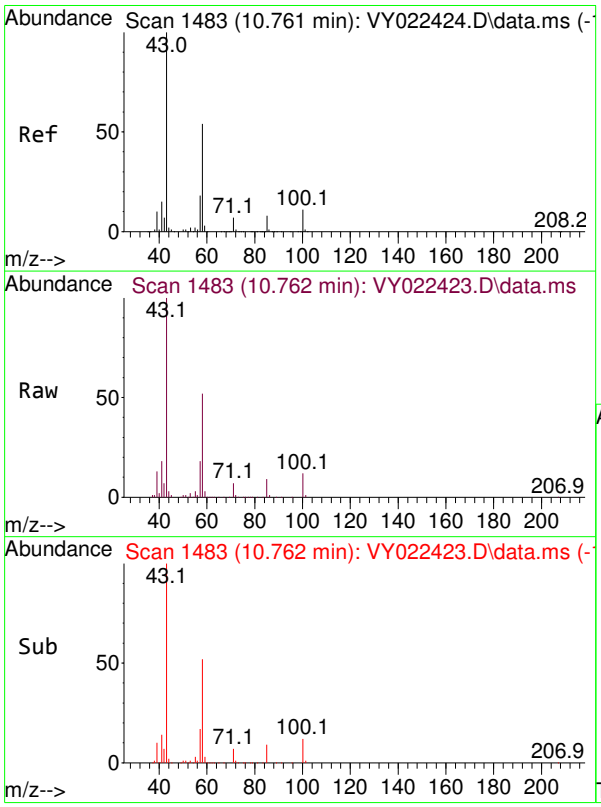


#58
2-Chloroethyl Vinyl ether
Concen: 93.311 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 63 Resp: 130961

Ion	Ratio	Lower	Upper
63	100		
106	26.9	22.2	33.2





#59
2-Hexanone
Concen: 92.136 ug/l
RT: 10.762 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 43 Resp: 10995

Ion	Ratio	Lower	Upper
43	100		
58	55.9	27.1	81.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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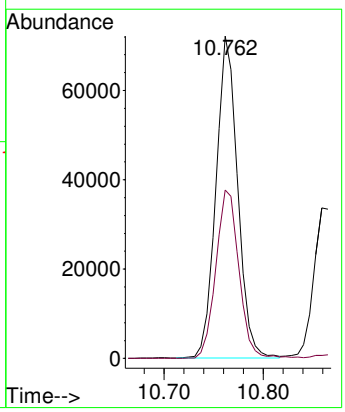
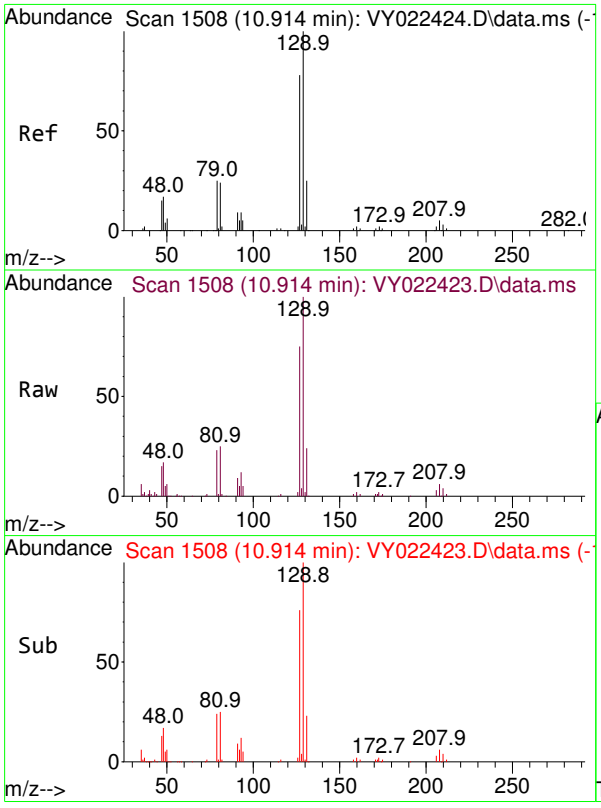
Supervised By :Mahesh Dadoda 05/28/2025

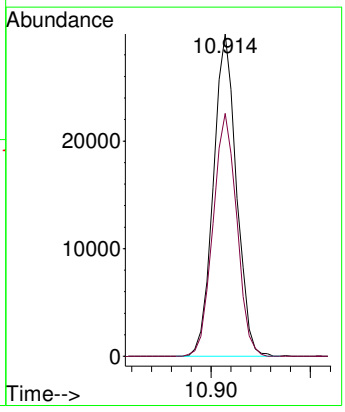


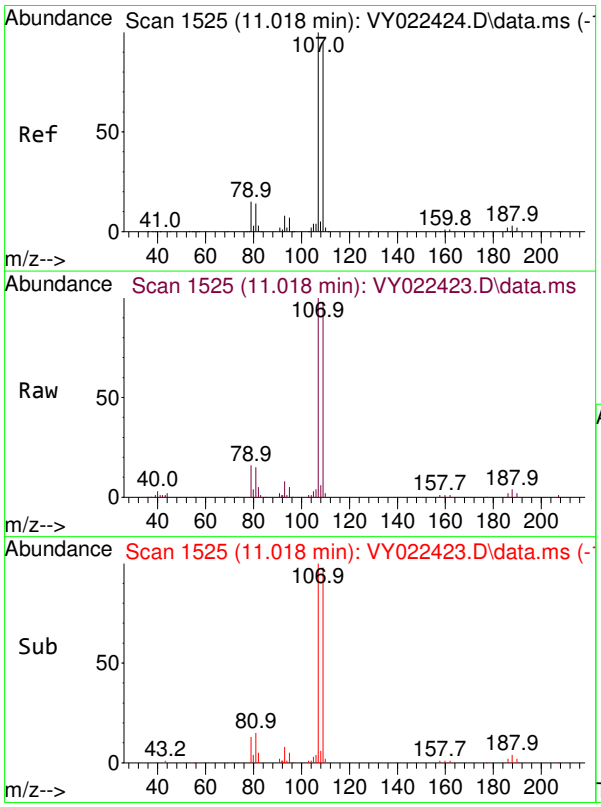


#60
Dibromochloromethane
Concen: 19.384 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:129 Resp: 48590

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.3	114.8

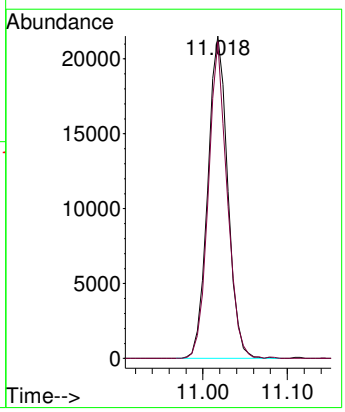




#61
1,2-Dibromoethane
Concen: 19.746 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:107 Resp: 3544

Ion	Ratio	Lower	Upper
107	100		
109	92.4	74.0	111.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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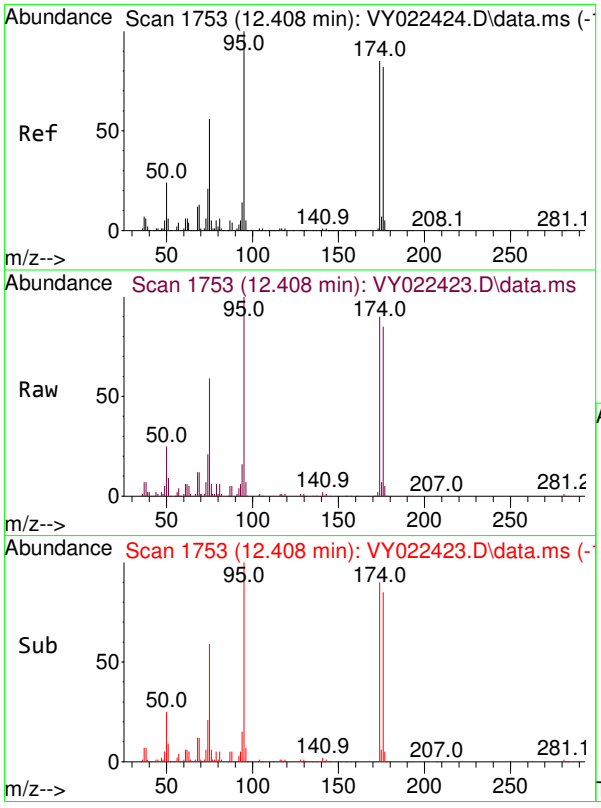
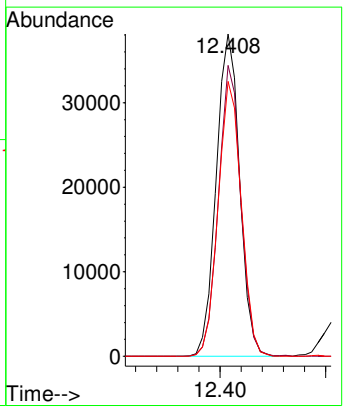
Supervised By :Mahesh Dadoda 05/28/2025

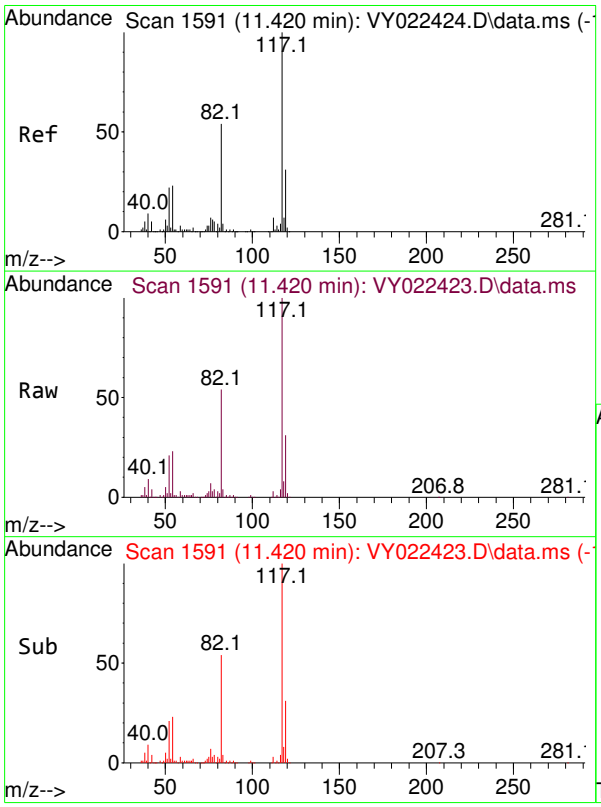


#62
4-Bromofluorobenzene
Concen: 19.112 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 95 Resp: 59022

Ion	Ratio	Lower	Upper
95	100		
174	86.3	0.0	171.6
176	84.2	0.0	164.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:117 Resp: 35889

Ion	Ratio	Lower	Upper
117	100		
82	53.7	43.3	64.9
119	31.3	24.5	36.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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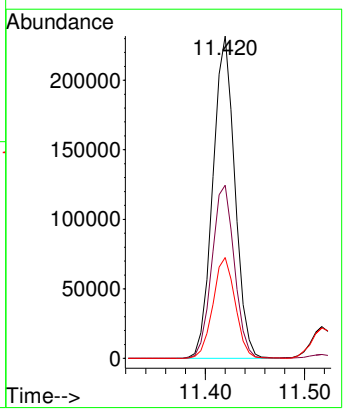
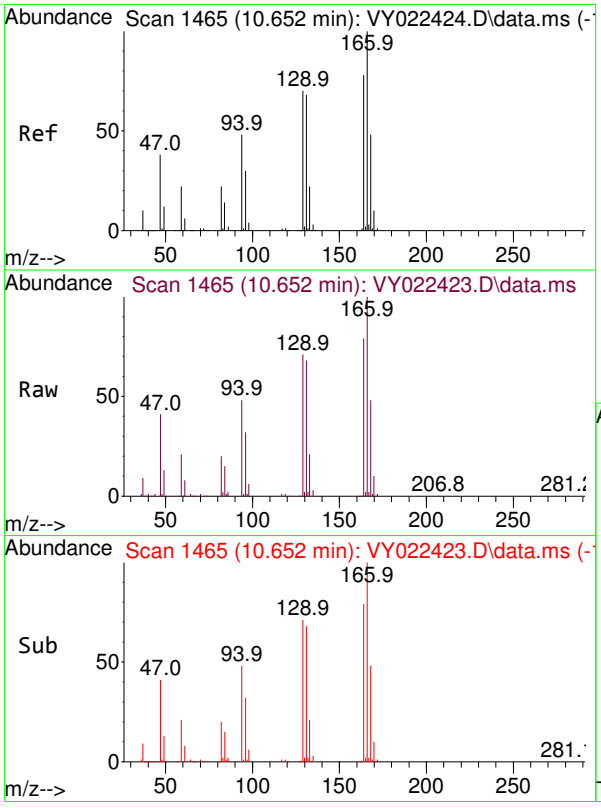
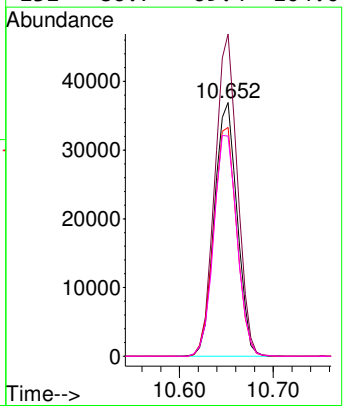


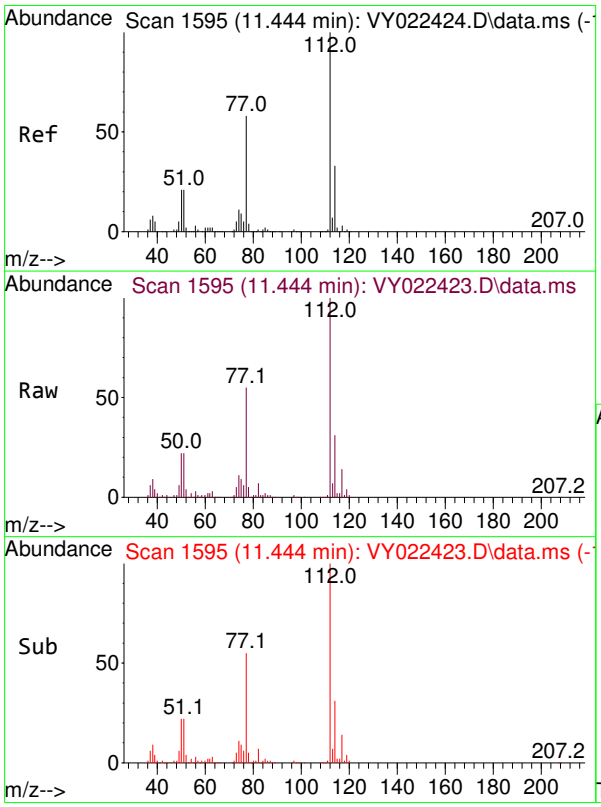


#64
Tetrachloroethene
Concen: 20.357 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:164 Resp: 62224

Ion	Ratio	Lower	Upper
164	100		
166	127.0	102.0	153.0
129	90.2	71.3	106.9
131	86.7	69.4	104.0





#65
Chlorobenzene
Concen: 19.709 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:112 Resp: 15082

Ion	Ratio	Lower	Upper
112	100		
114	31.1	26.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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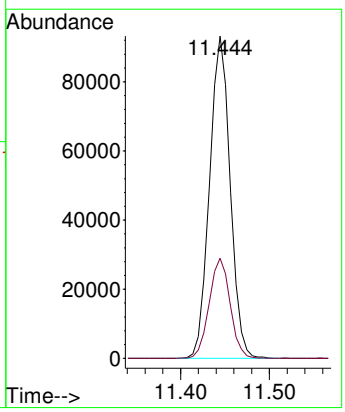
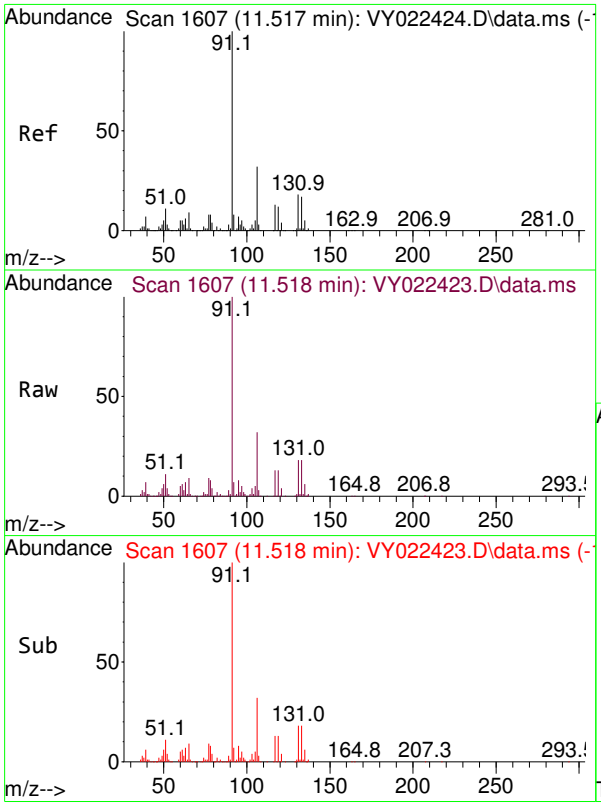
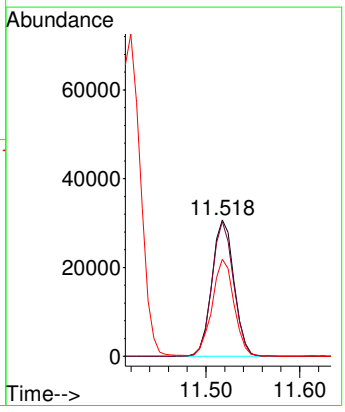


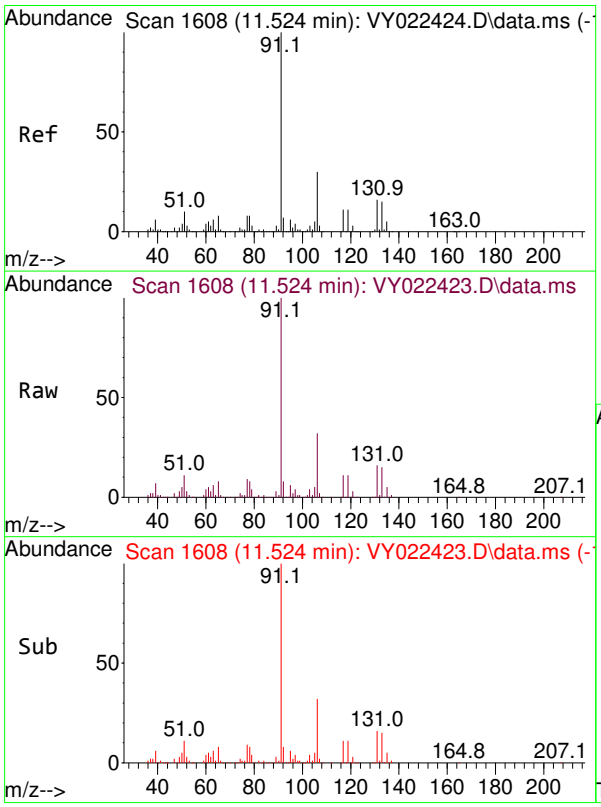


#66
1,1,1,2-Tetrachloroethane
Concen: 19.371 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:131 Resp: 50226

Ion	Ratio	Lower	Upper
131	100		
133	96.4	46.6	139.8
119	70.4	33.3	99.8

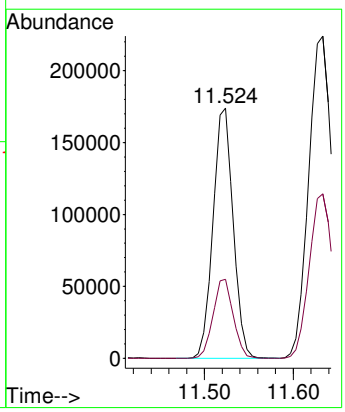




#67
Ethyl Benzene
Concen: 19.399 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 91 Resp: 27565

Ion	Ratio	Lower	Upper
91	100		
106	31.6	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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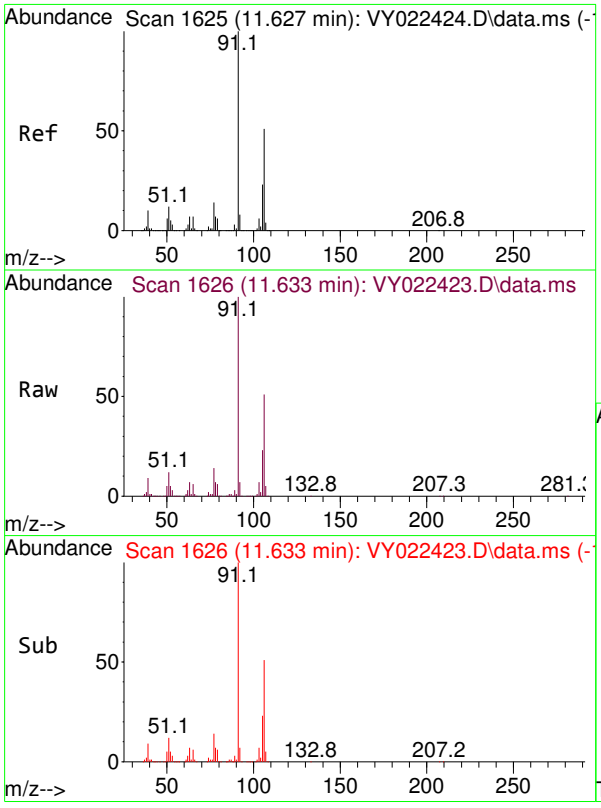
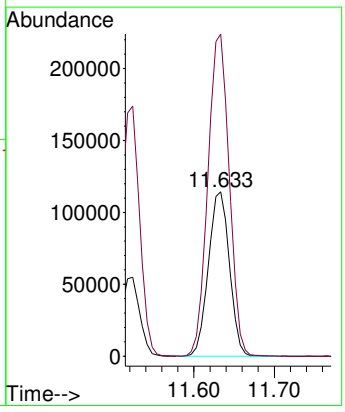
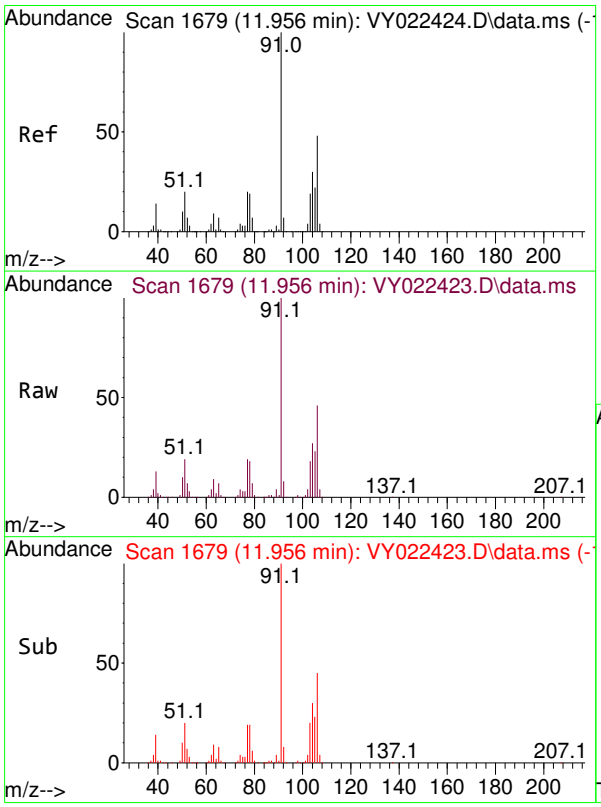


#68
m/p-Xylenes
Concen: 38.557 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:106 Resp: 207724

Ion	Ratio	Lower	Upper
106	100		
91	198.7	159.8	239.8





#69
o-Xylene
Concen: 19.075 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:106 Resp: 9658

Ion	Ratio	Lower	Upper
106	100		
91	212.9	106.3	318.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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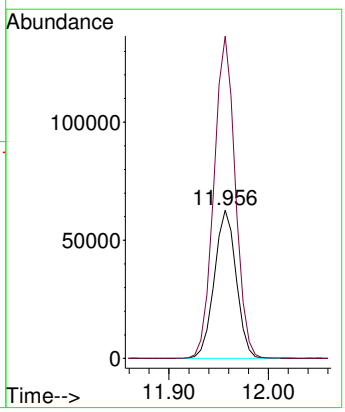
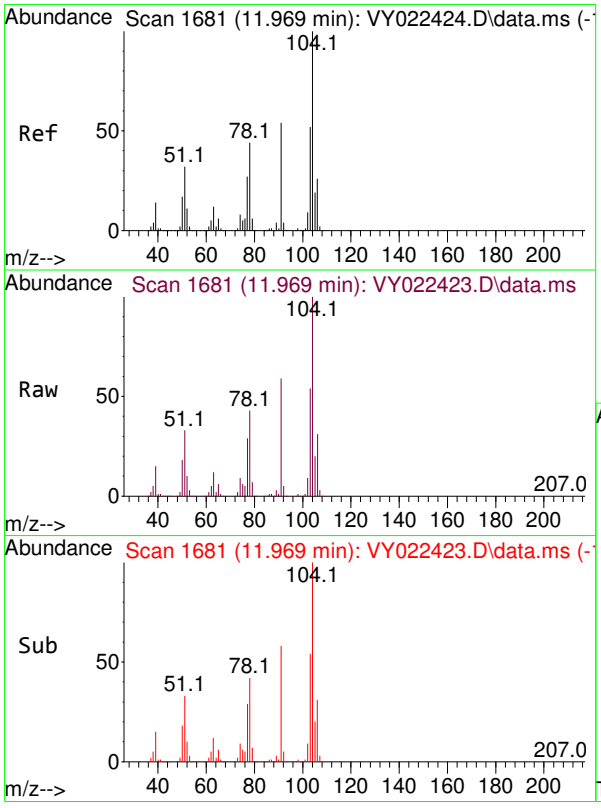
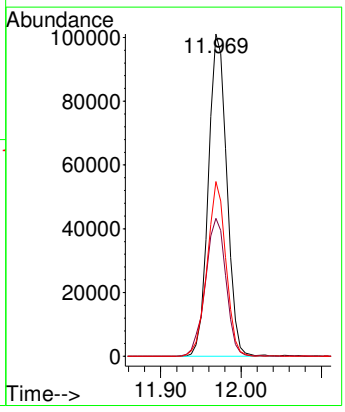


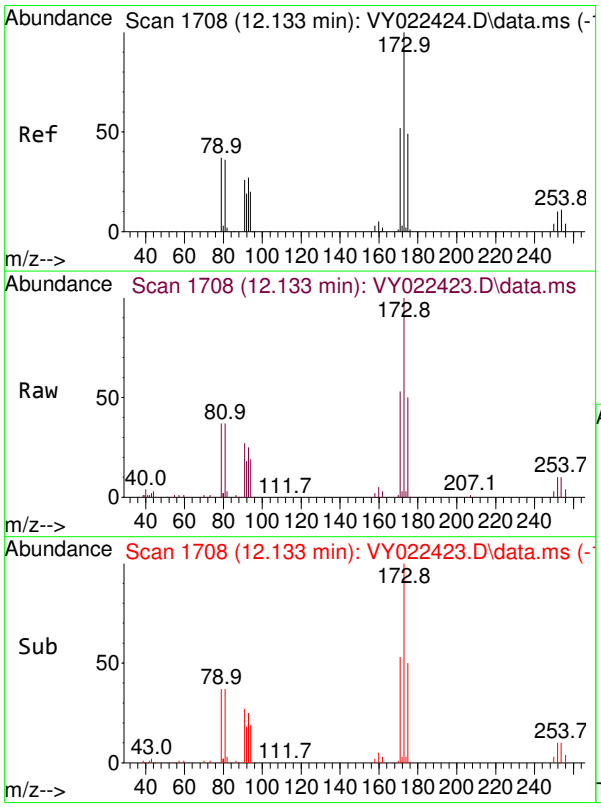


#70
Styrene
Concen: 19.023 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:104 Resp: 160384

Ion	Ratio	Lower	Upper
104	100		
78	47.9	38.8	58.2
103	55.4	43.4	65.2





#71
Bromoform
Concen: 19.415 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:173 Resp: 2636

Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	73.0
254	0.2	0.1	0.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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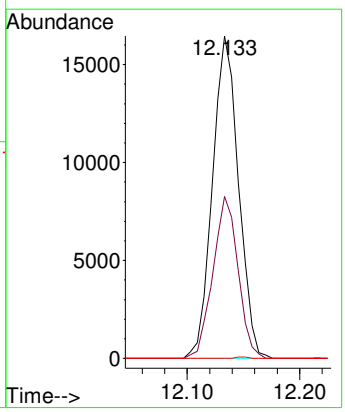
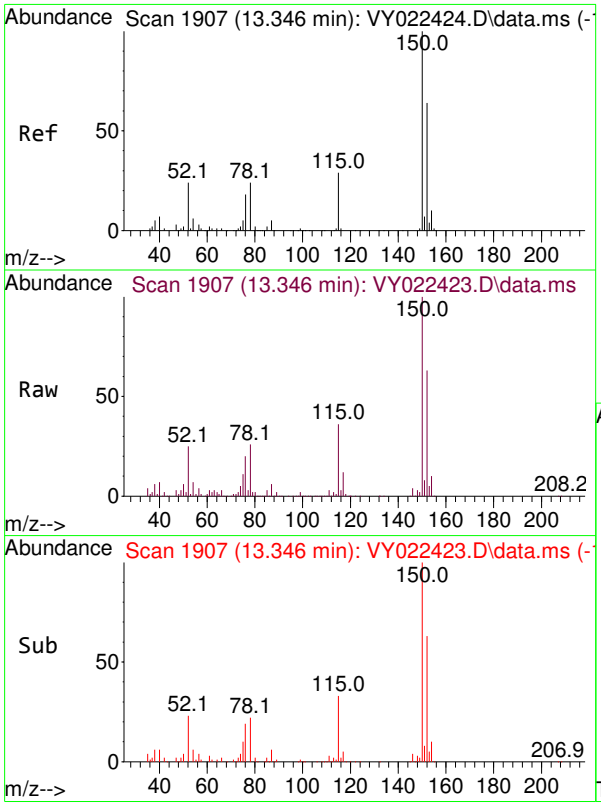
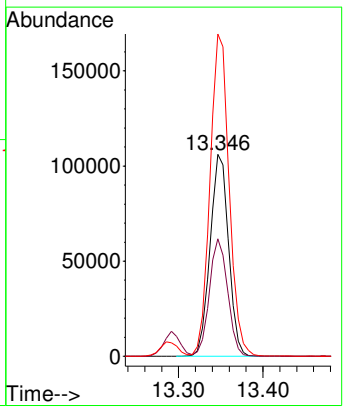


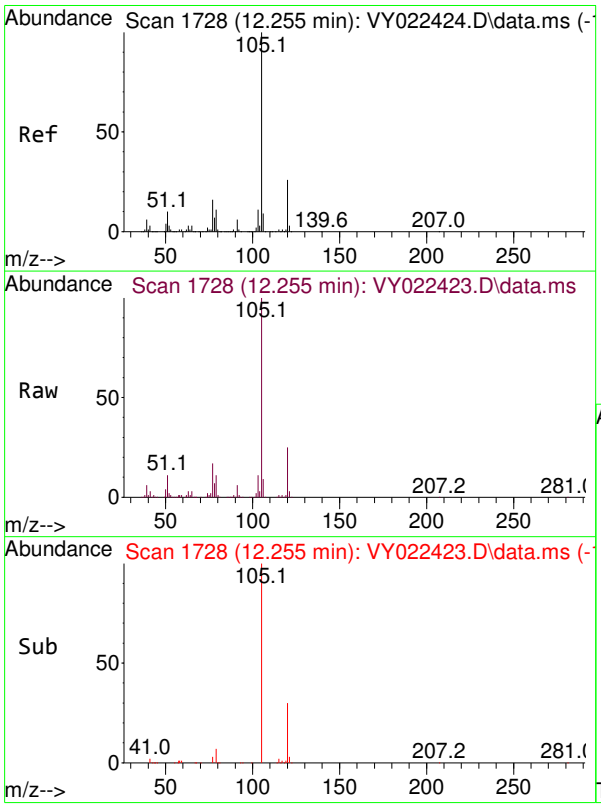


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:152 Resp: 162048

Ion	Ratio	Lower	Upper
152	100		
115	57.5	28.4	85.3
150	164.9	0.0	345.8





#73
Isopropylbenzene
Concen: 20.053 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:105 Resp: 25575

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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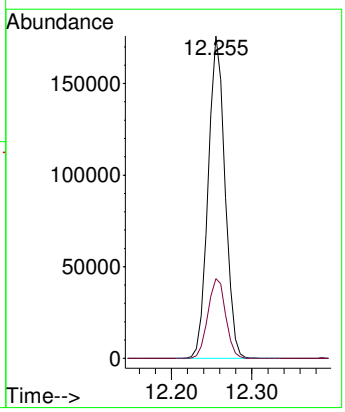
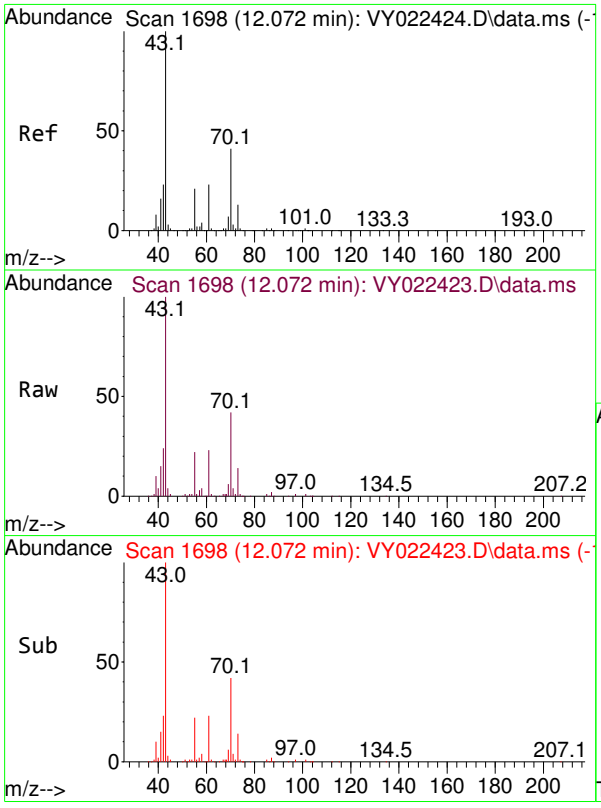
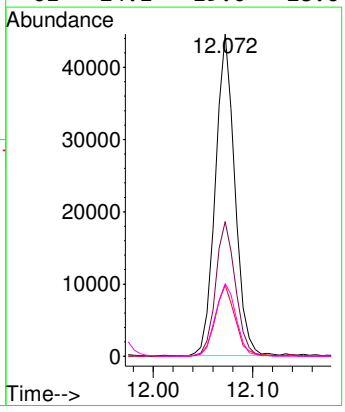


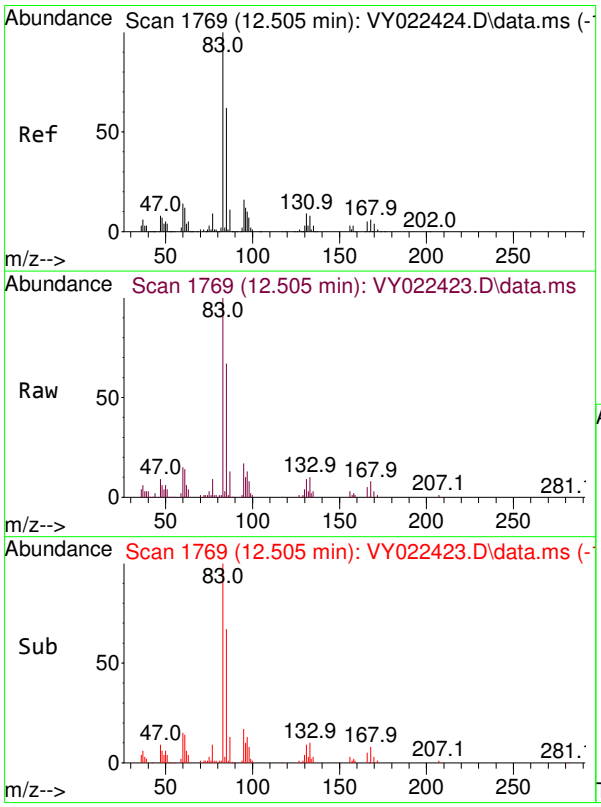


#74
N-amyl acetate
Concen: 19.558 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 43 Resp: 61037

Ion	Ratio	Lower	Upper
43	100		
70	42.7	33.0	49.4
55	23.2	17.5	26.3
61	24.1	19.0	28.6

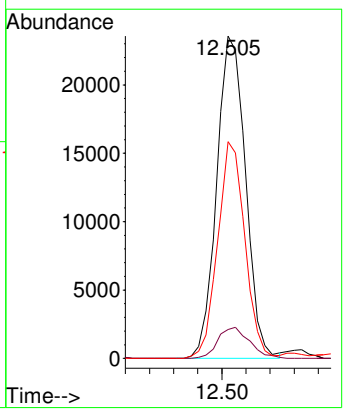




#75
1,1,2,2-Tetrachloroethane
Concen: 19.472 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 83 Resp: 3912

Ion	Ratio	Lower	Upper
83	100		
131	10.6	4.8	14.4
85	63.5	32.0	96.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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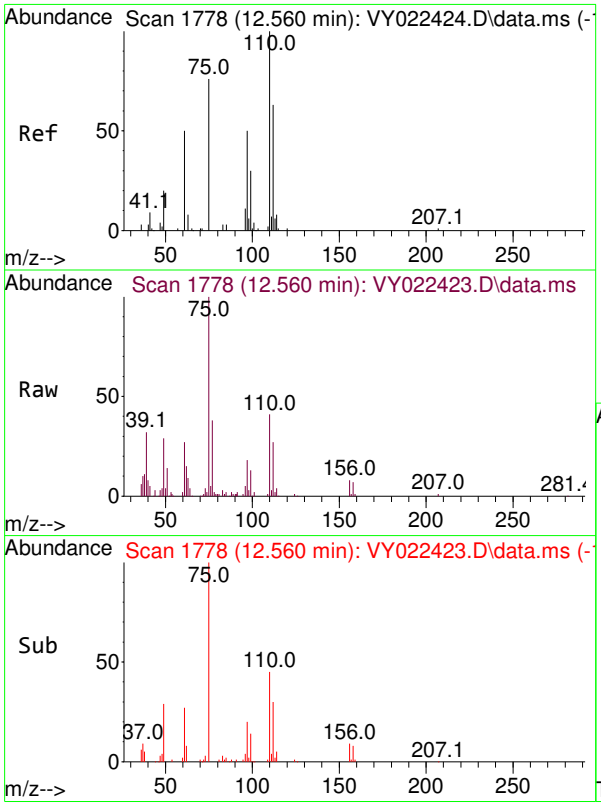
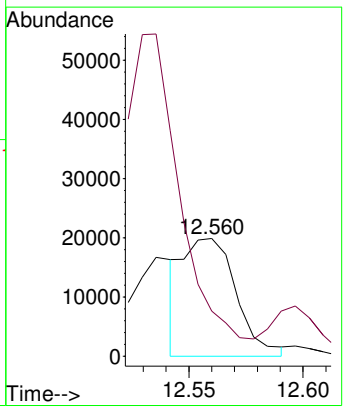
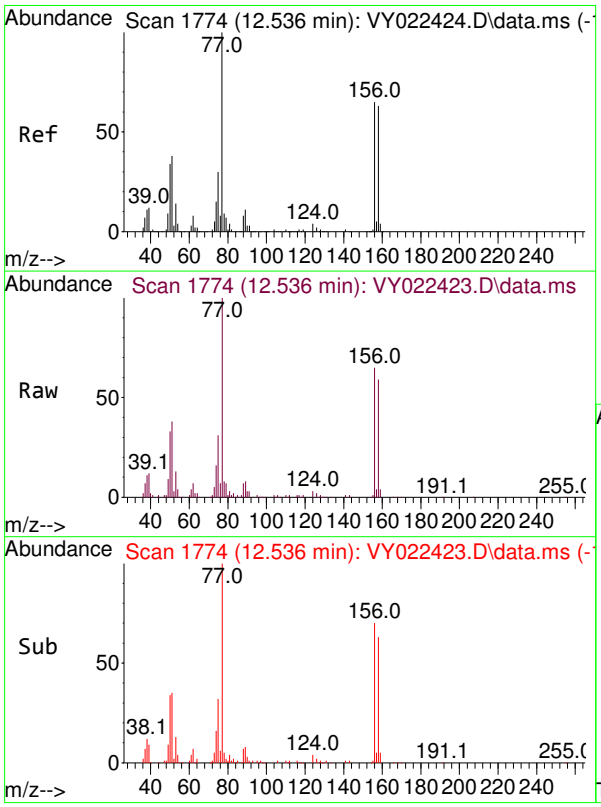


#76
1,2,3-Trichloropropane
Concen: 12.094 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 75 Resp: 32290

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 20.273 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 5564

Ion	Ratio	Lower	Upper
156	100		
77	178.1	91.4	274.2
158	94.6	48.1	144.3

Manual Integrations
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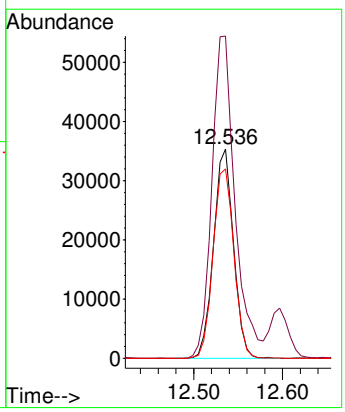
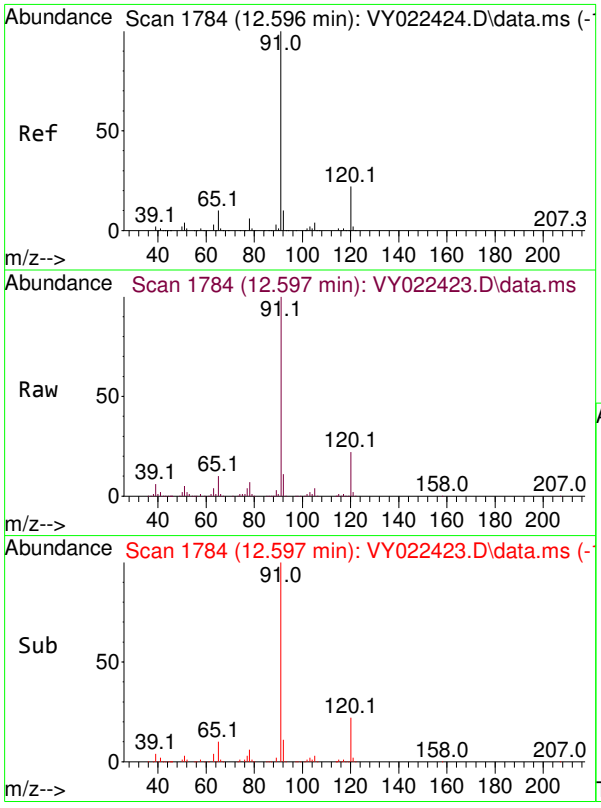
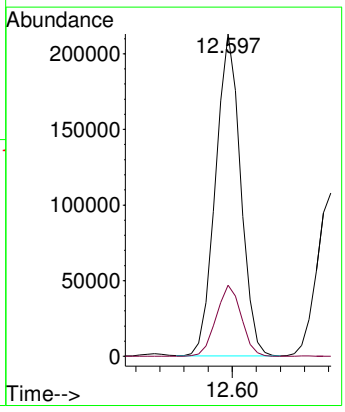


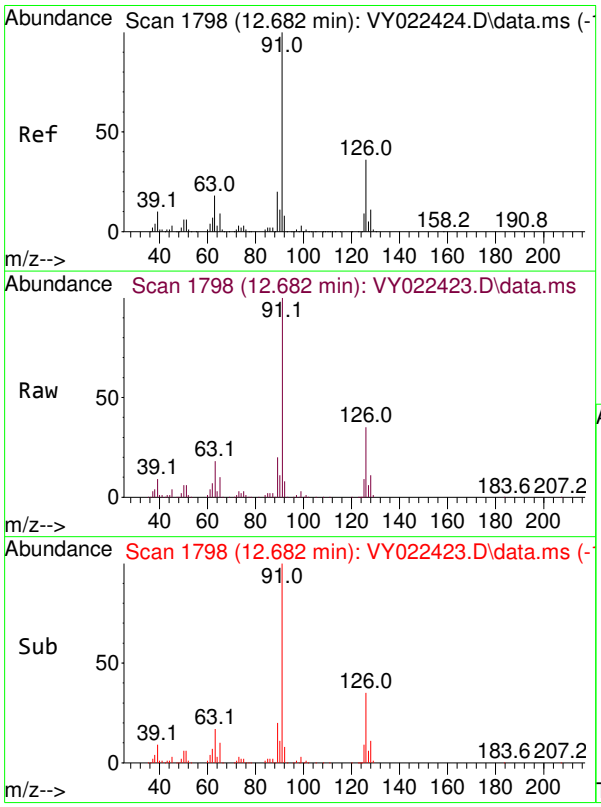


#78
n-propylbenzene
Concen: 20.024 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 91 Resp: 306474

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.2	33.5





#79
2-Chlorotoluene
Concen: 19.752 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

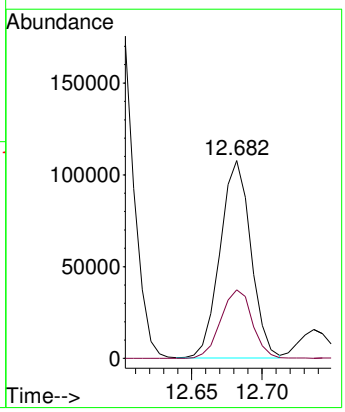
Tgt Ion: 91 Resp: 16364

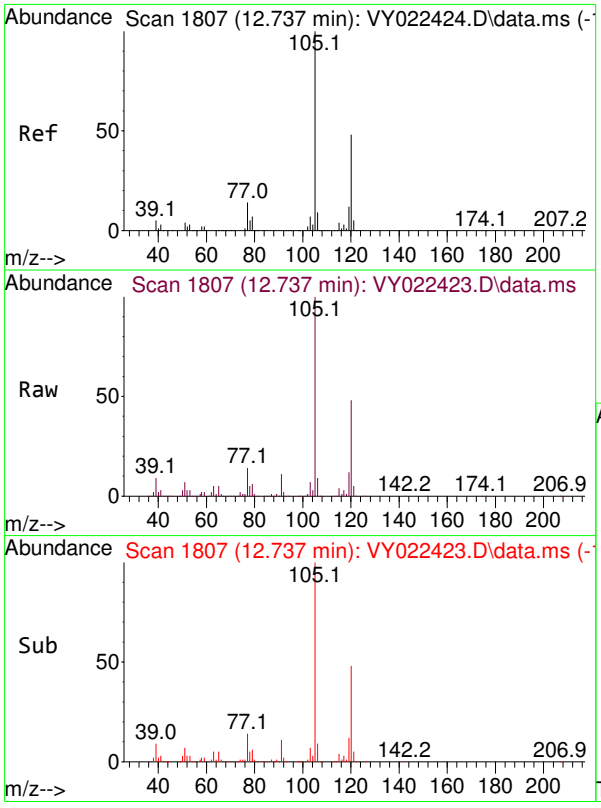
Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.4	52.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

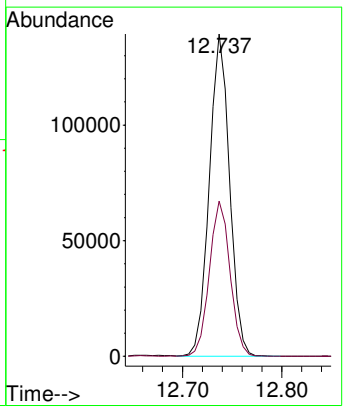


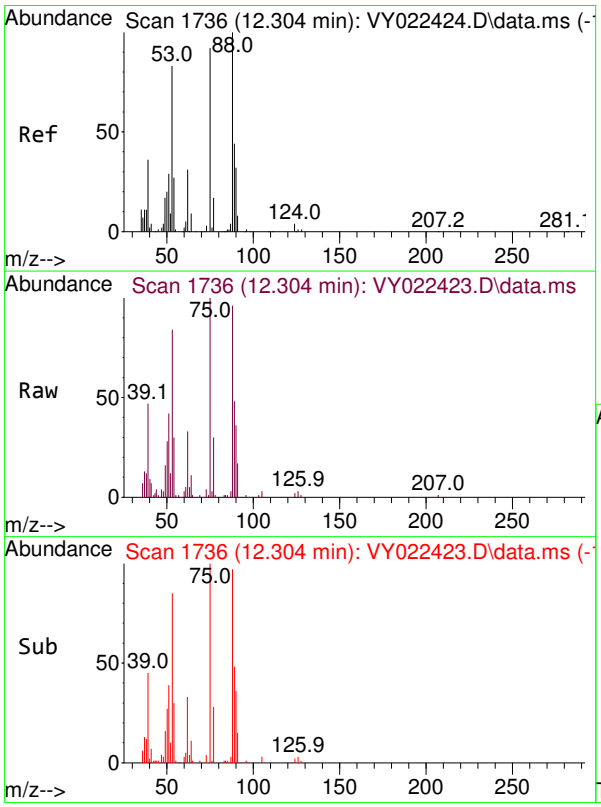


#80
1,3,5-Trimethylbenzene
Concen: 19.944 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:105 Resp: 198748

Ion	Ratio	Lower	Upper
105	100		
120	49.0	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 19.863 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

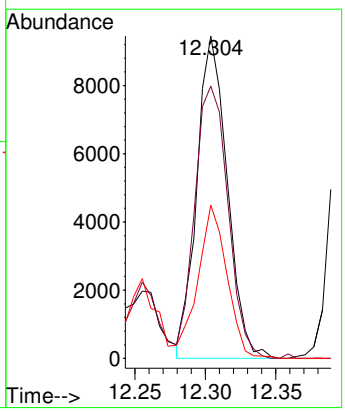
Tgt Ion: 75 Resp: 1425

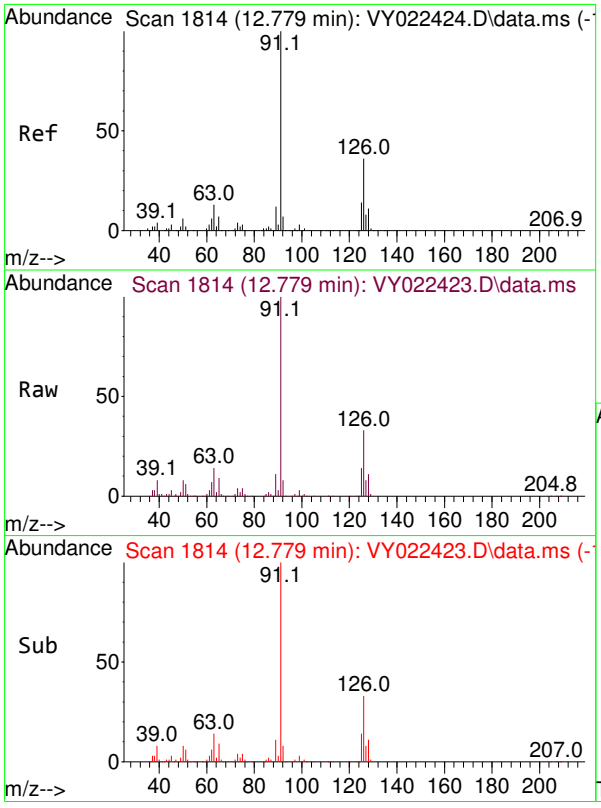
Ion	Ratio	Lower	Upper
75	100		
53	91.9	75.1	112.7
89	46.2	37.4	56.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

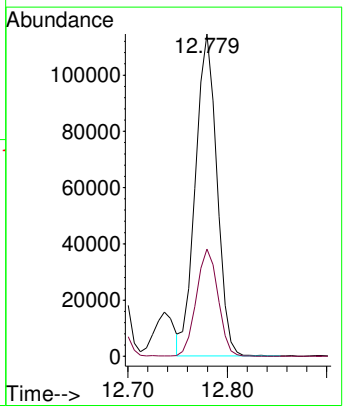


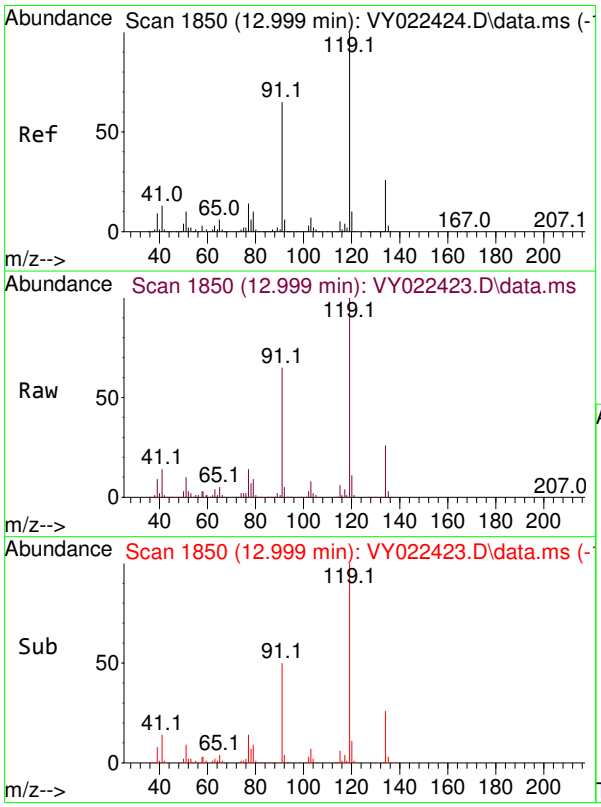


#82
4-Chlorotoluene
Concen: 20.140 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 91 Resp: 171858

Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.2	51.6





#83
tert-Butylbenzene
Concen: 19.975 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

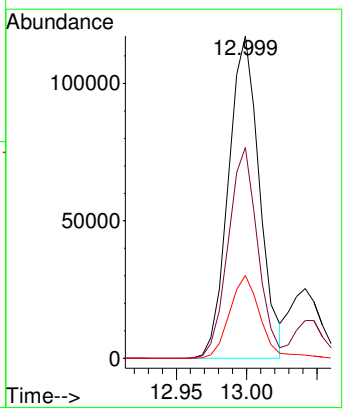
Tgt Ion:119 Resp: 17984

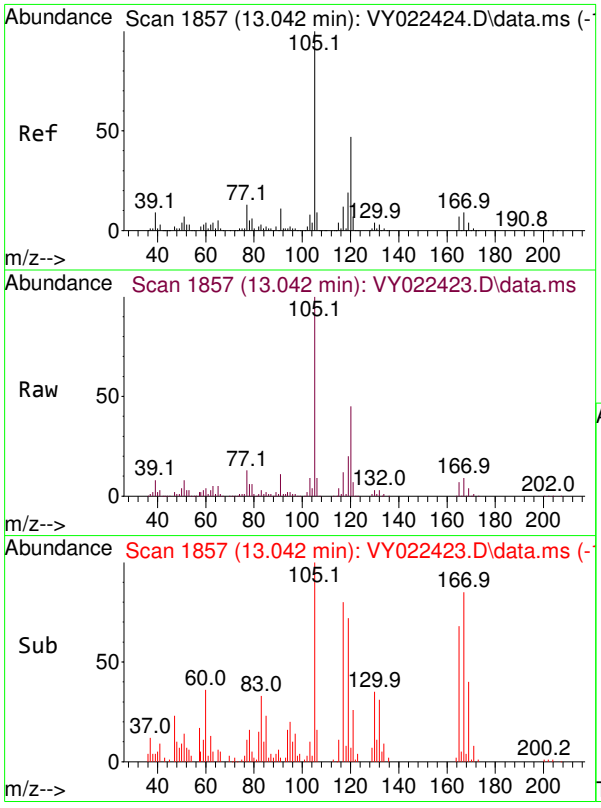
Ion	Ratio	Lower	Upper
119	100		
91	62.3	31.8	95.3
134	25.7	13.0	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

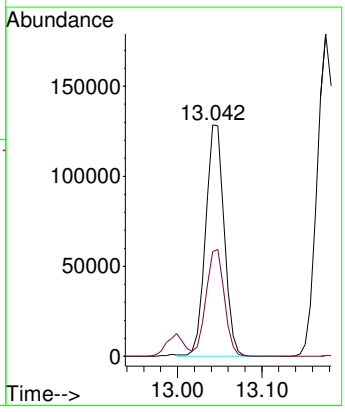


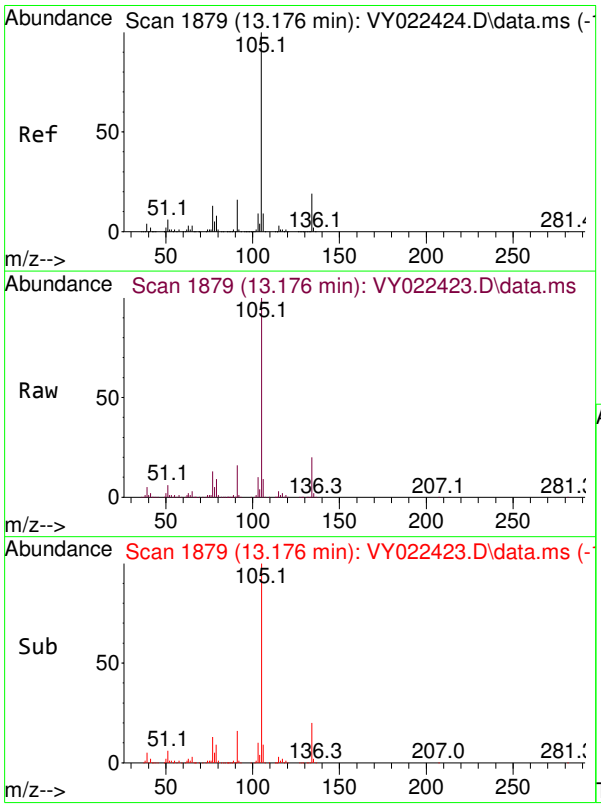


#84
1,2,4-Trimethylbenzene
Concen: 19.640 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:105 Resp: 196951

Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.9	68.5





#85
sec-Butylbenzene
Concen: 19.753 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

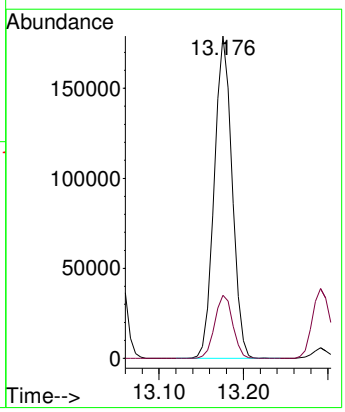
Tgt Ion:105 Resp: 26374

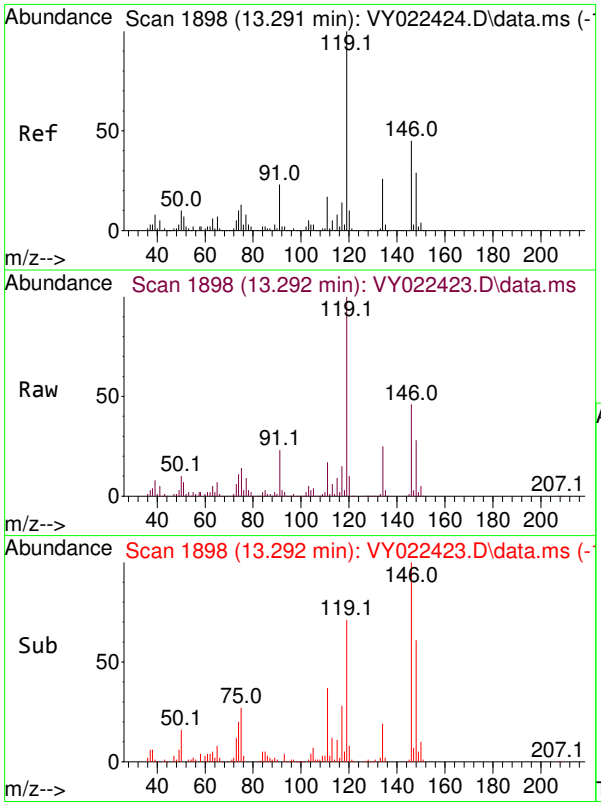
Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.7	29.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

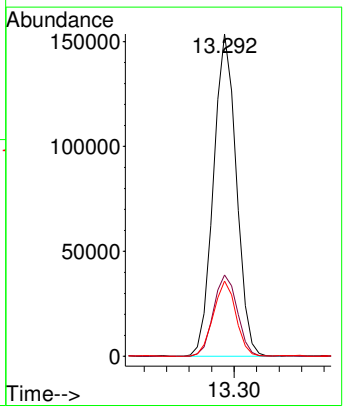


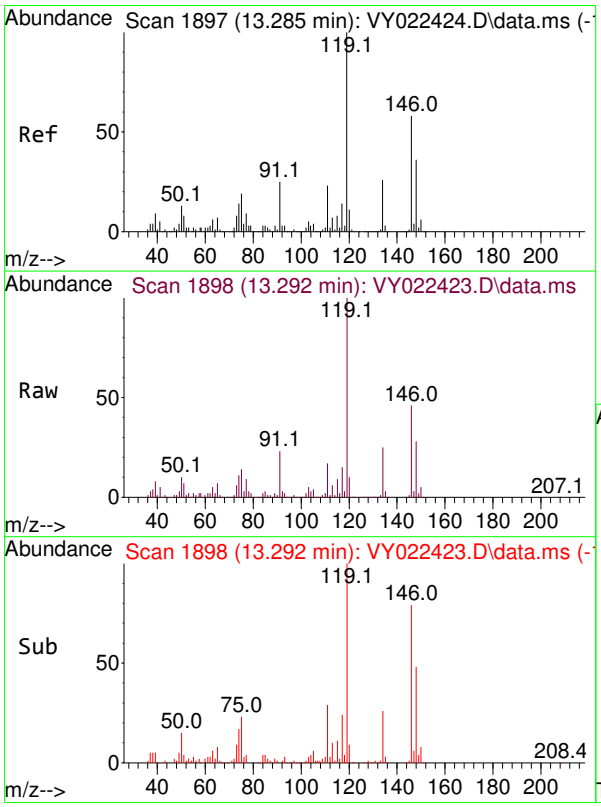


#86
p-Isopropyltoluene
Concen: 19.393 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:119 Resp: 216227

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.0	39.0
91	23.1	11.6	34.8





#87
1,3-Dichlorobenzene
Concen: 19.644 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

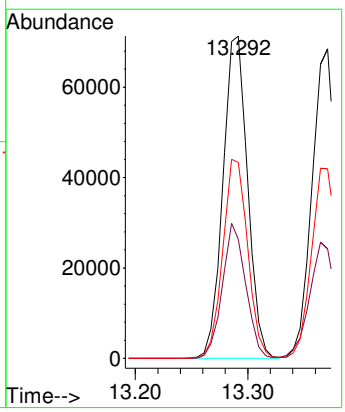
Tgt Ion:146 Resp: 10847

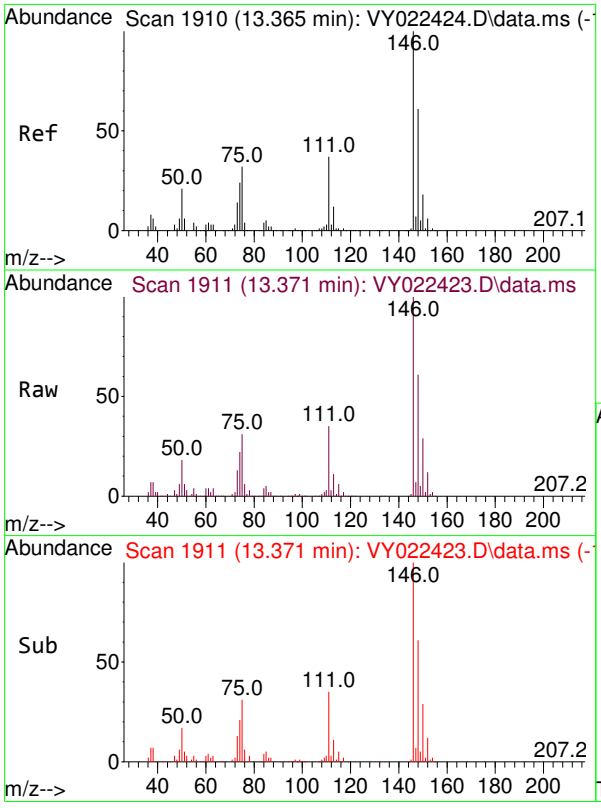
Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.6	58.8
148	62.3	31.7	95.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

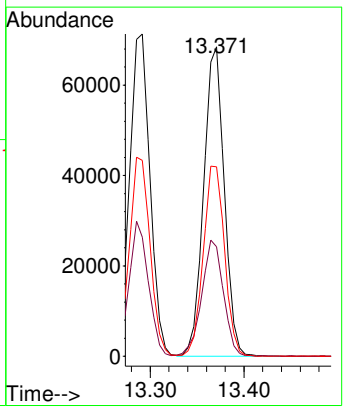


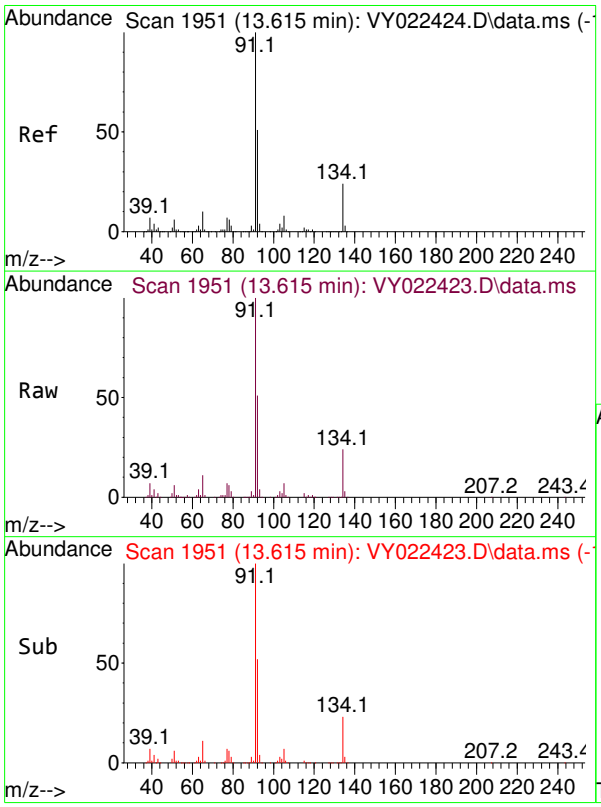


#88
1,4-Dichlorobenzene
Concen: 19.845 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:146 Resp: 104788

Ion	Ratio	Lower	Upper
146	100		
111	39.8	18.7	56.1
148	63.6	31.4	94.3





#89
n-Butylbenzene
Concen: 19.768 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

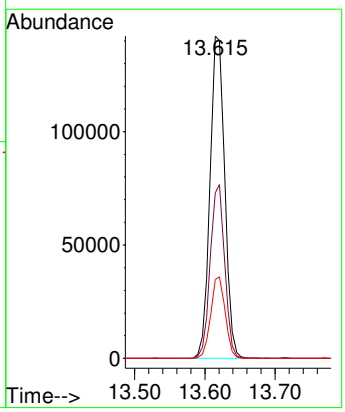
Tgt Ion: 91 Resp: 20665

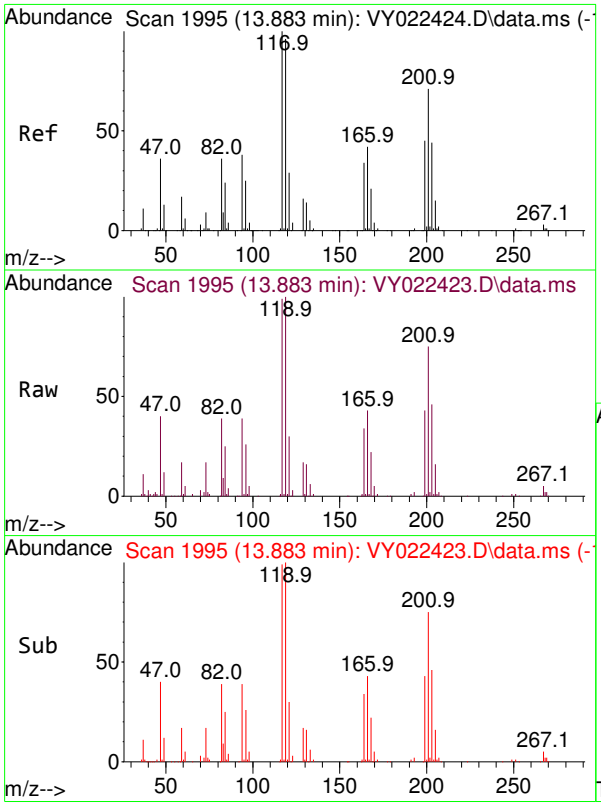
Ion	Ratio	Lower	Upper
91	100		
92	52.9	25.9	77.6
134	24.8	12.4	37.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

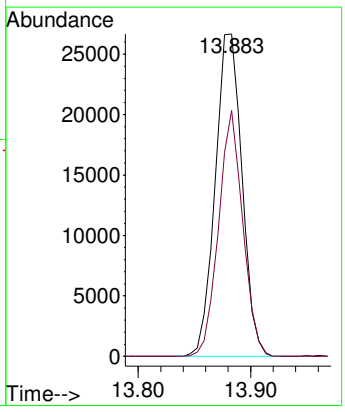


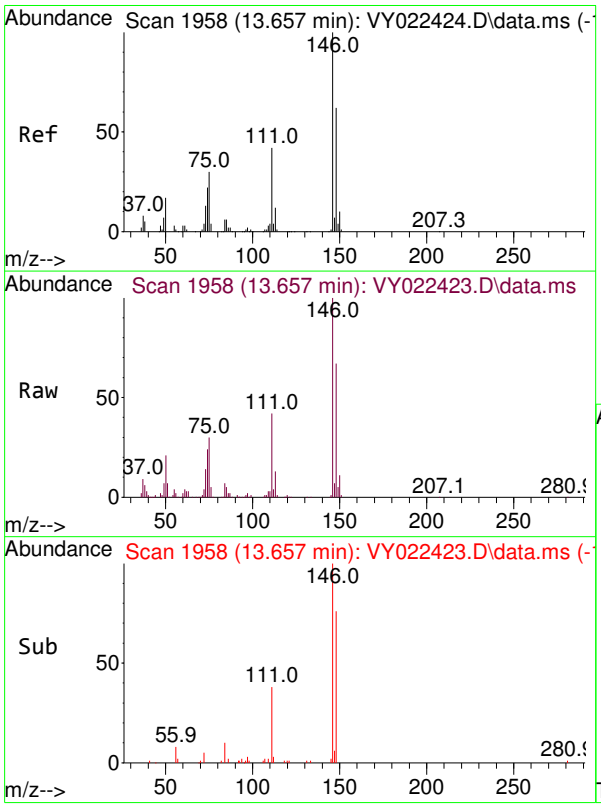


#90
Hexachloroethane
Concen: 19.857 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:117 Resp: 44059

Ion	Ratio	Lower	Upper
117	100		
201	68.7	35.0	105.0

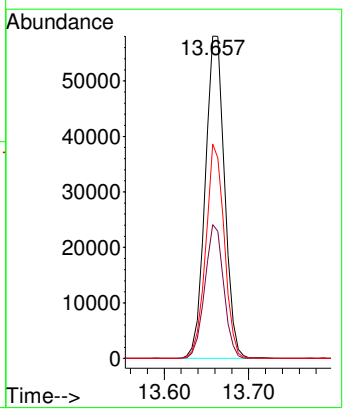




#91
1,2-Dichlorobenzene
Concen: 20.103 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:146 Resp: 9272

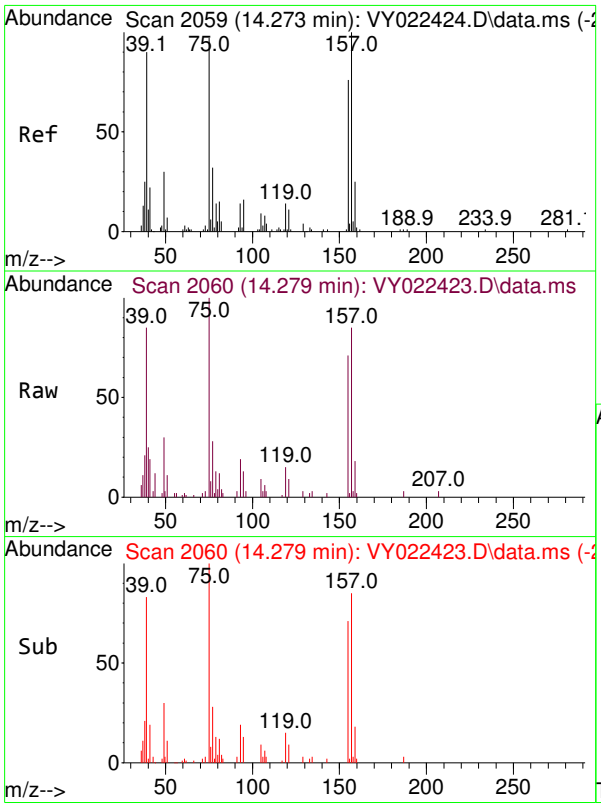
Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.5	61.6
148	63.5	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

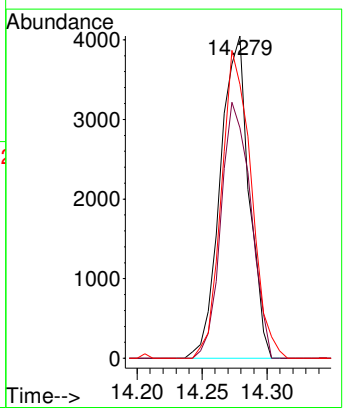
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

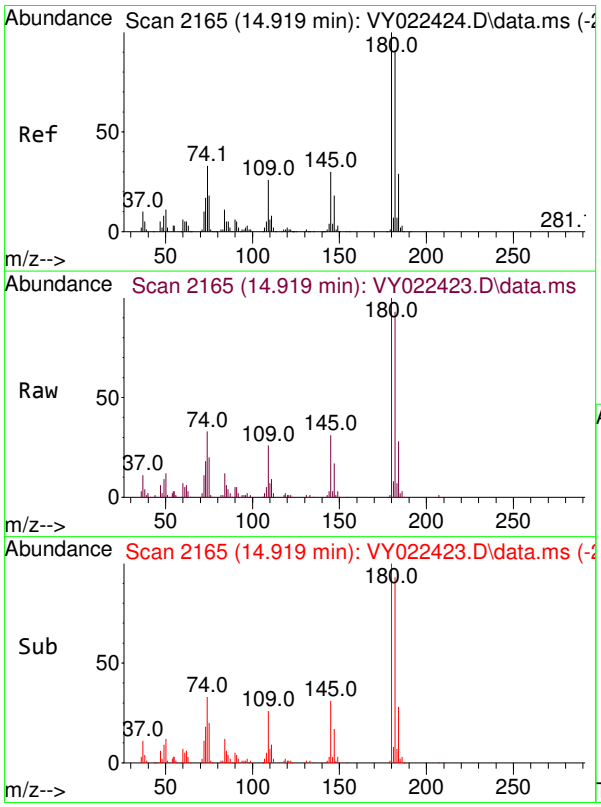


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.016 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion: 75 Resp: 6215

Ion	Ratio	Lower	Upper
75	100		
155	82.5	42.3	126.8
157	98.9	54.4	163.3

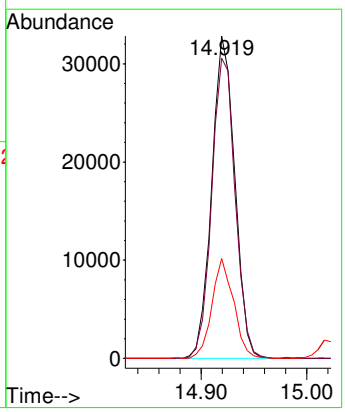




#93
1,2,4-Trichlorobenzene
Concen: 19.535 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:180 Resp: 4995

Ion	Ratio	Lower	Upper
180	100		
182	95.0	46.2	138.6
145	29.2	14.2	42.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Amit Patel 05/28/2025
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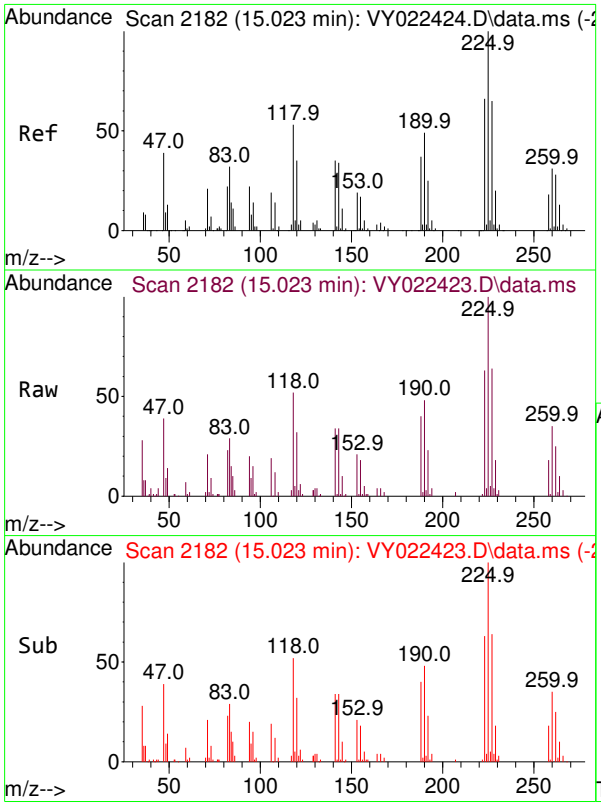
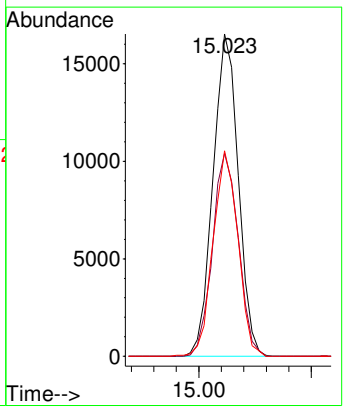
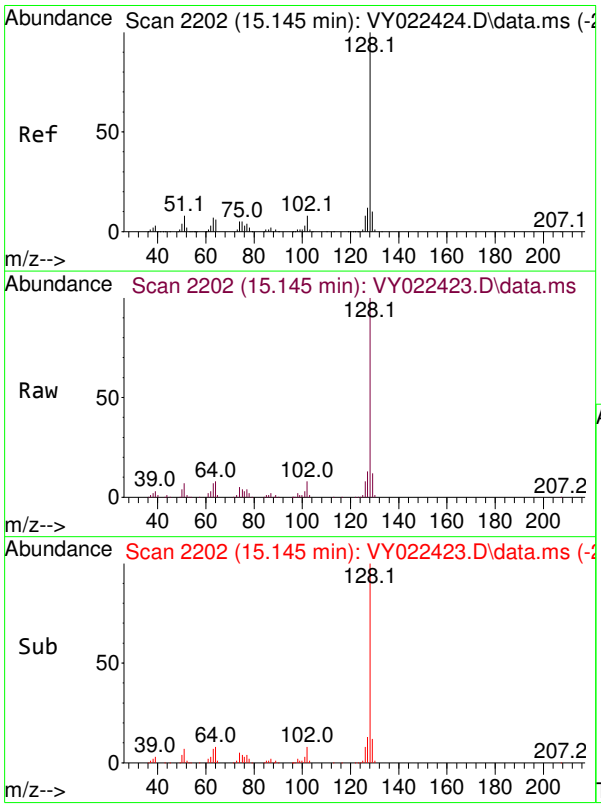


#94
Hexachlorobutadiene
Concen: 19.164 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:225 Resp: 25718

Ion	Ratio	Lower	Upper
225	100		
223	64.5	32.6	97.7
227	62.5	33.0	99.0

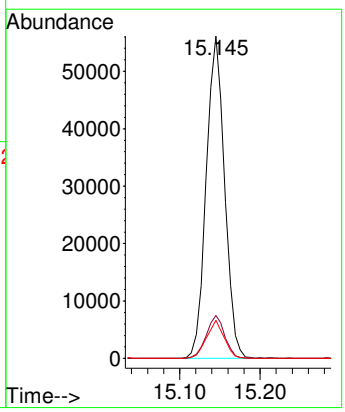




#95
Naphthalene
Concen: 18.870 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:128 Resp: 8920

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	11.4	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
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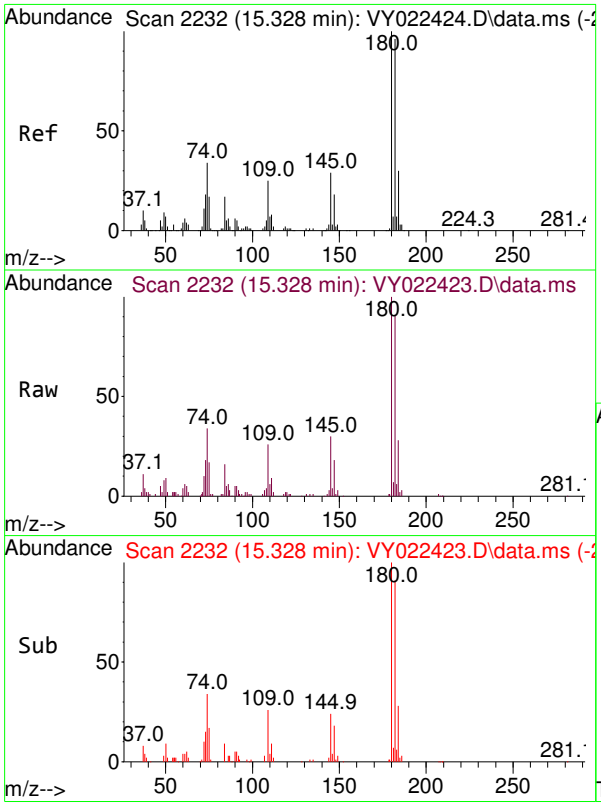
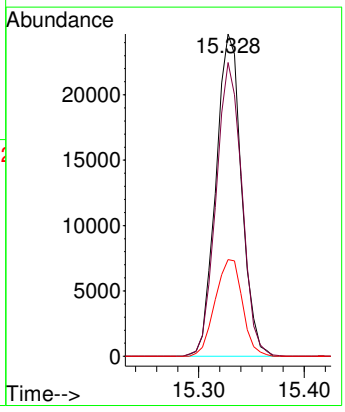


#96
1,2,3-Trichlorobenzene
Concen: 19.919 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022423.D
Acq: 27 May 2025 09:36

Tgt Ion:180 Resp: 41774

Ion	Ratio	Lower	Upper
180	100		
182	91.9	48.1	144.3
145	31.9	14.9	44.5



Quantitation Report (QT Reviewed)

ICAL Form

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Data File : VY022424.D
Acq On : 27 May 2025 09:59
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:54:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	251462	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	421648	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	359387	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	170568	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	133722	50.486	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.980%			
35) Dibromofluoromethane	7.640	113	122077	49.438	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.880%			
50) Toluene-d8	10.109	98	495900	49.264	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.520%			
62) 4-Bromofluorobenzene	12.408	95	149686	49.160	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	106455	44.373	ug/l	100
3) Chloromethane	2.068	50	300767	50.966	ug/l	100
4) Vinyl Chloride	2.202	62	365461	50.977	ug/l	100
5) Bromomethane	2.598	94	320598	49.210	ug/l	100
6) Chloroethane	2.739	64	255218	54.479	ug/l	100
7) Trichlorofluoromethane	3.056	101	300911	49.748	ug/l	100
8) Diethyl Ether	3.458	74	69604	49.906	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	130878	49.320	ug/l	100
10) Methyl Iodide	4.013	142	162763	54.366	ug/l	100
11) Tert butyl alcohol	4.884	59	44670	239.257	ug/l	100
12) 1,1-Dichloroethene	3.793	96	128456	48.757	ug/l	100
13) Acrolein	3.659	56	71175	254.433	ug/l	100
14) Allyl chloride	4.385	41	197586	49.856	ug/l	100
15) Acrylonitrile	5.067	53	140126	249.258	ug/l	100
16) Acetone	3.879	43	106570	244.853	ug/l	100
17) Carbon Disulfide	4.110	76	415611	49.433	ug/l	100
18) Methyl Acetate	4.397	43	77552	47.567	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	348604	49.839	ug/l	100
20) Methylene Chloride	4.622	84	137958	44.887	ug/l	100
21) trans-1,2-Dichloroethene	5.116	96	141011	49.026	ug/l	100
22) Diisopropyl ether	6.024	45	433997	49.618	ug/l	100
23) Vinyl Acetate	5.970	43	1262323	251.347	ug/l	100
24) 1,1-Dichloroethane	5.921	63	258190	49.955	ug/l	100
25) 2-Butanone	6.908	43	178390	246.104	ug/l	100
26) 2,2-Dichloropropane	6.890	77	231499	49.466	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	163879	49.217	ug/l	100
28) Bromochloromethane	7.250	49	110266	51.091	ug/l	100
29) Tetrahydrofuran	7.268	42	119564	247.328	ug/l	100
30) Chloroform	7.427	83	257981	50.655	ug/l	100
31) Cyclohexane	7.701	56	236092	46.340	ug/l	100
32) 1,1,1-Trichloroethane	7.622	97	229531	49.660	ug/l	100
36) 1,1-Dichloropropene	7.841	75	193888	49.482	ug/l	100
37) Ethyl Acetate	6.988	43	84159	50.538	ug/l	100
38) Carbon Tetrachloride	7.823	117	202994	49.731	ug/l	100
39) Methylcyclohexane	9.109	83	258994	49.724	ug/l	100
40) Benzene	8.085	78	586562	50.308	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022424.D
Acq On : 27 May 2025 09:59
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:54:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	49236	22.465	ug/l	90
42) 1,2-Dichloroethane	8.164	62	155379	50.458	ug/l	100
43) Isopropyl Acetate	8.201	43	183642	50.467	ug/l	100
44) Trichloroethene	8.865	130	144611	50.172	ug/l	100
45) 1,2-Dichloropropane	9.146	63	136232	49.730	ug/l	100
46) Dibromomethane	9.231	93	76743	50.148	ug/l	100
47) Bromodichloromethane	9.426	83	195650	49.717	ug/l	100
48) Methyl methacrylate	9.225	41	84239	49.870	ug/l	100
49) 1,4-Dioxane	9.237	88	16708	988.479	ug/l	100
51) 4-Methyl-2-Pentanone	9.999	43	460034	256.225	ug/l	100
52) Toluene	10.176	92	365833	50.235	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	182819	49.875	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	213990	49.683	ug/l	100
55) 1,1,2-Trichloroethane	10.572	97	96763	50.011	ug/l	100
56) Ethyl methacrylate	10.438	69	143409	51.650	ug/l	100
57) 1,3-Dichloropropane	10.719	76	170799	50.093	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	352804	254.955	ug/l	100
59) 2-Hexanone	10.761	43	305977	260.045	ug/l	100
60) Dibromochloromethane	10.914	129	127232	51.479	ug/l	100
61) 1,2-Dibromoethane	11.018	107	90642	51.221	ug/l	100
64) Tetrachloroethene	10.652	164	154172	50.371	ug/l	100
65) Chlorobenzene	11.444	112	383505	50.045	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	132697	51.108	ug/l	100
67) Ethyl Benzene	11.524	91	711551	50.007	ug/l	100
68) m/p-Xylenes	11.627	106	543665	100.776	ug/l	100
69) o-Xylene	11.956	106	254880	50.270	ug/l	100
70) Styrene	11.969	104	430304	50.969	ug/l	100
71) Bromoform	12.133	173	68851	50.626	ug/l	100
73) Isopropylbenzene	12.255	105	660245	49.183	ug/l	100
74) N-amyl acetate	12.072	43	170547	51.919	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	104852	49.575	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	83801m	29.820	ug/l	
77) Bromobenzene	12.536	156	145109	50.230	ug/l	100
78) n-propylbenzene	12.596	91	803233	49.859	ug/l	100
79) 2-Chlorotoluene	12.682	91	429534	49.254	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	525186	50.070	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	36715	48.597	ug/l	100
82) 4-Chlorotoluene	12.779	91	446697	49.734	ug/l	100
83) tert-Butylbenzene	12.999	119	470027	49.598	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	531189	50.324	ug/l	100
85) sec-Butylbenzene	13.176	105	706452	50.266	ug/l	100
86) p-Isopropyltoluene	13.291	119	592083	50.450	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	289072	49.731	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	280006	50.380	ug/l	100
89) n-Butylbenzene	13.615	91	568088	51.626	ug/l	100
90) Hexachloroethane	13.883	117	117444	50.287	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	241569	49.756	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	15930	48.741	ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	141204	52.462	ug/l	100
94) Hexachlorobutadiene	15.023	225	72391	51.250	ug/l	100
95) Naphthalene	15.145	128	265056	53.269	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	116609	52.826	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022424.D
Acq On : 27 May 2025 09:59
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:54:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 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_Y\Data\VY052725\
Data File : VY022424.D
Acq On : 27 May 2025 09:59
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
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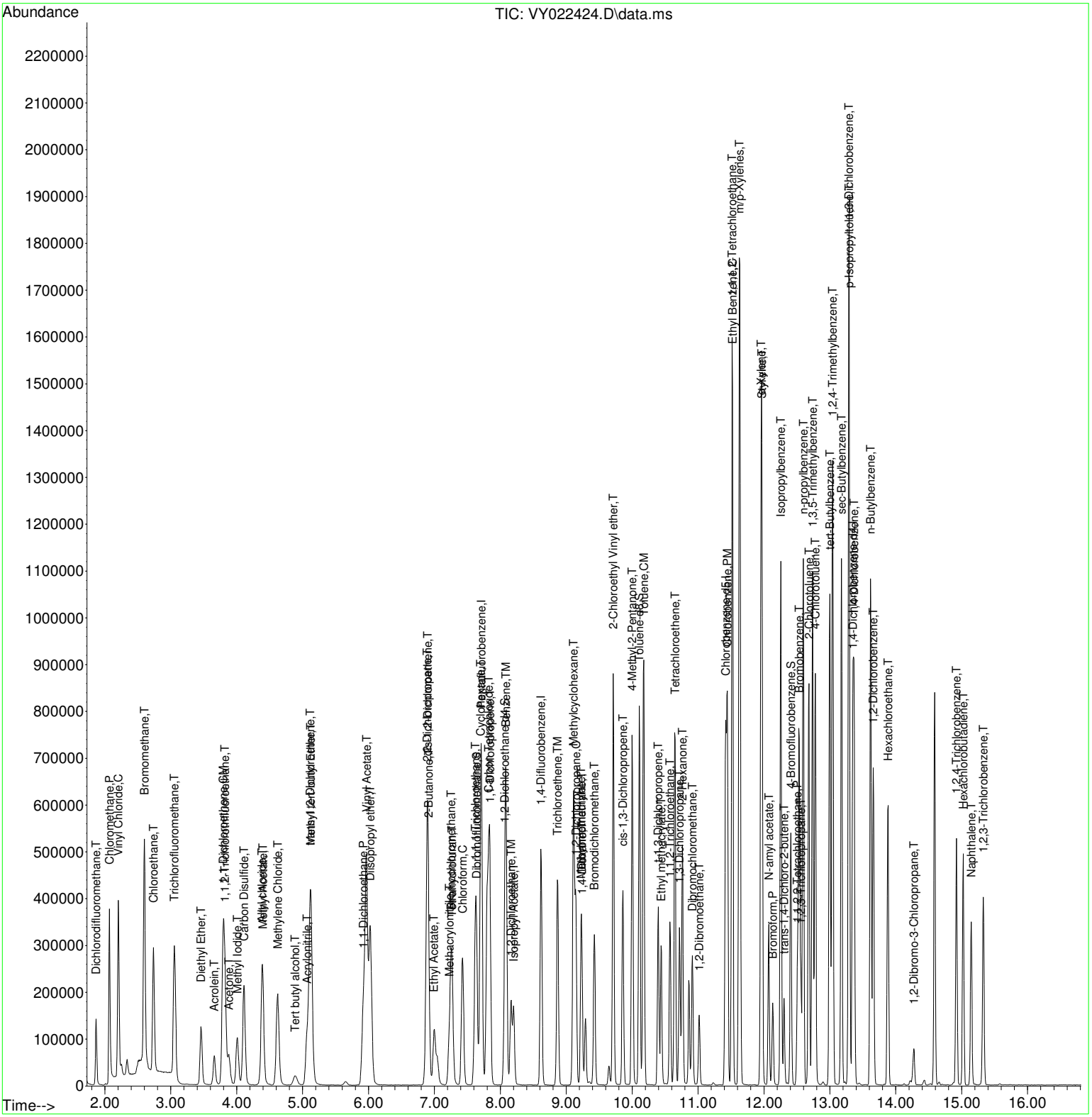
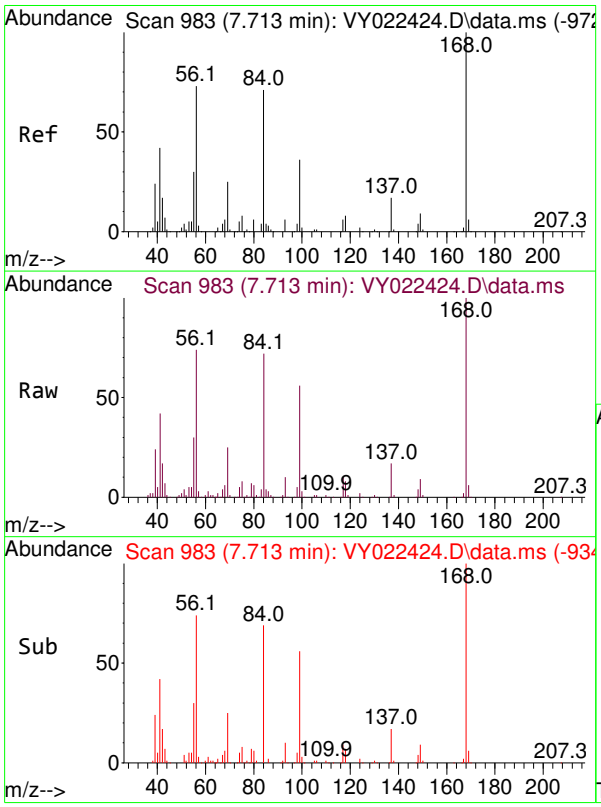
Quant Time: May 28 09:54:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

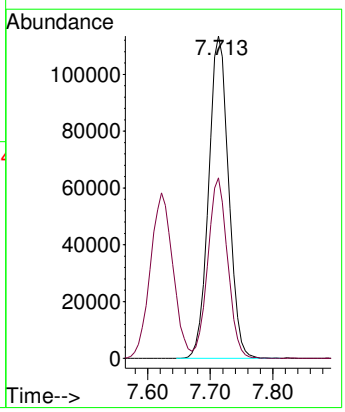
Tgt Ion:168 Resp: 25146

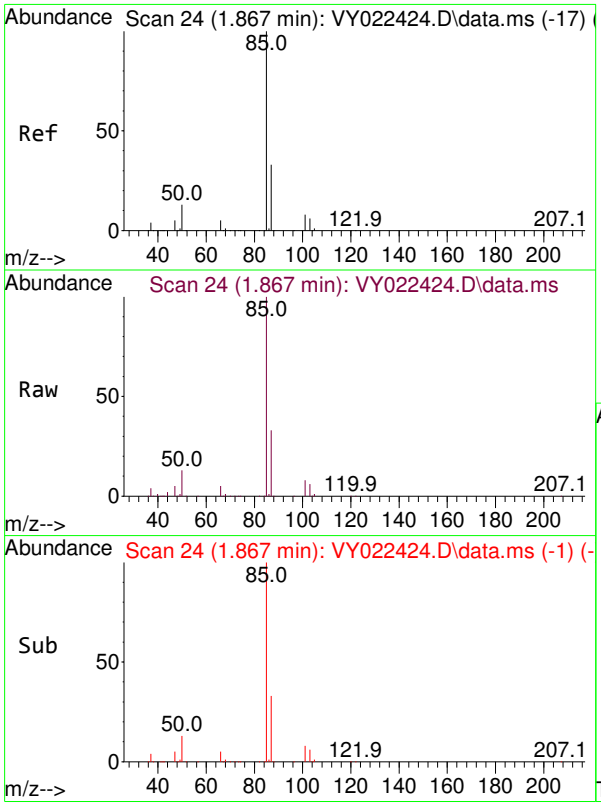
Ion	Ratio	Lower	Upper
168	100		
99	55.9	44.7	67.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

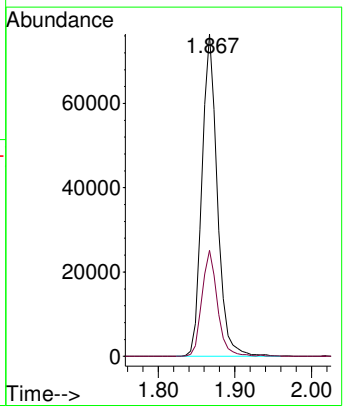


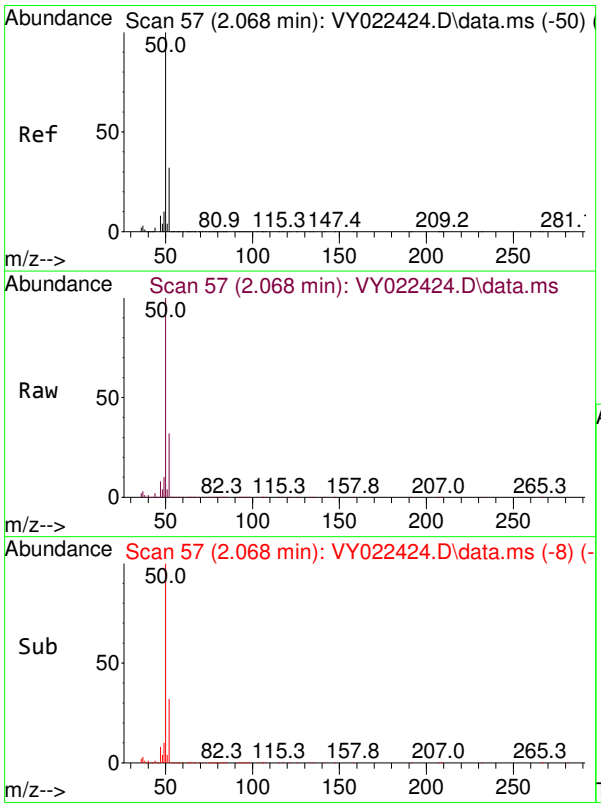


#2
Dichlorodifluoromethane
Concen: 44.373 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 85 Resp: 106455

Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.4	49.2





#3
Chloromethane
Concen: 50.966 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 50 Resp: 30076

Ion	Ratio	Lower	Upper
50	100		
52	31.9	25.5	38.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
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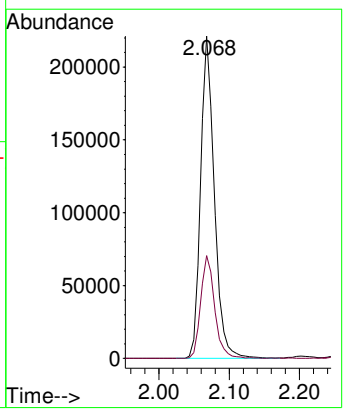
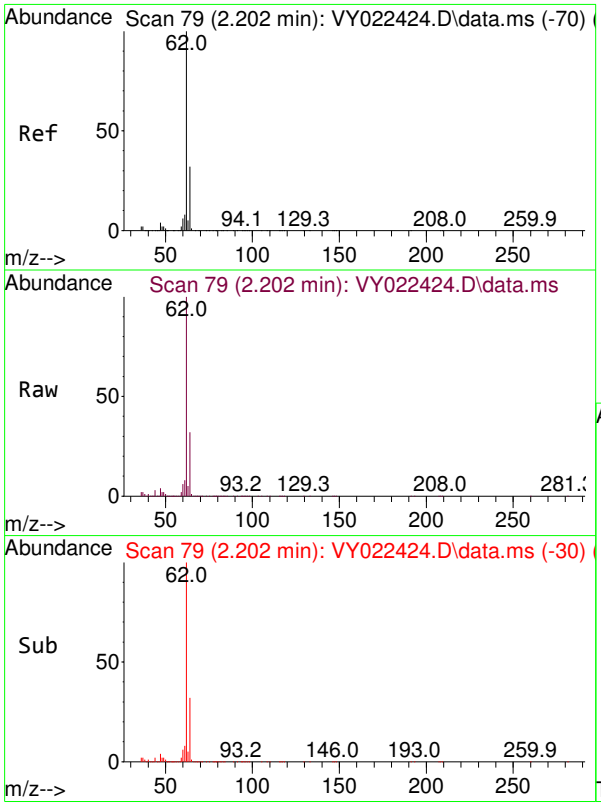
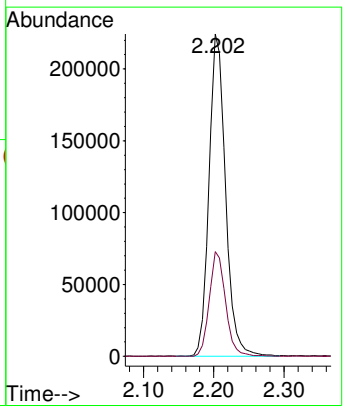


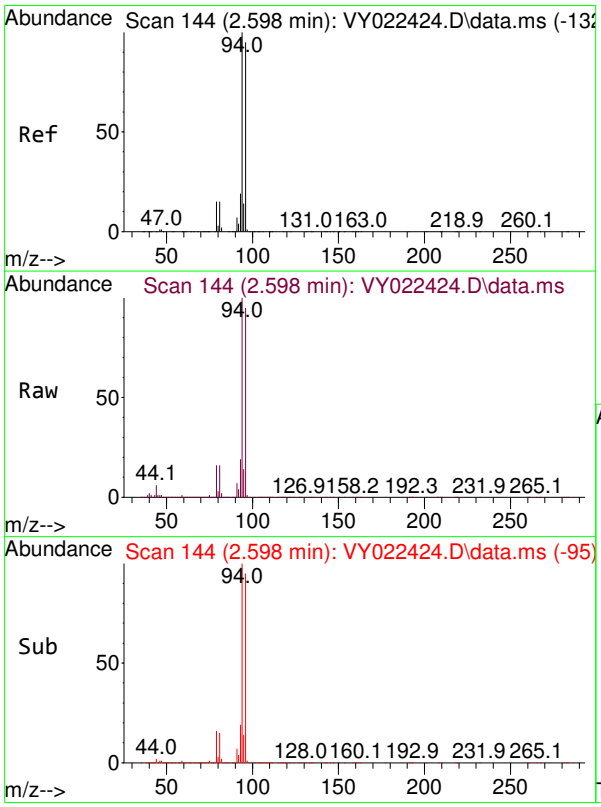


#4
Vinyl Chloride
Concen: 50.977 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 62 Resp: 365461

Ion	Ratio	Lower	Upper
62	100		
64	32.5	26.0	39.0





#5
Bromomethane
Concen: 49.210 ug/l
RT: 2.598 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 94 Resp: 32059

Ion	Ratio	Lower	Upper
94	100		
96	95.0	76.0	114.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
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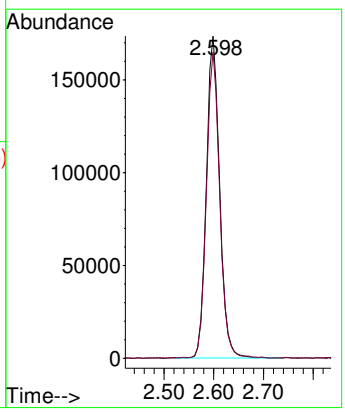
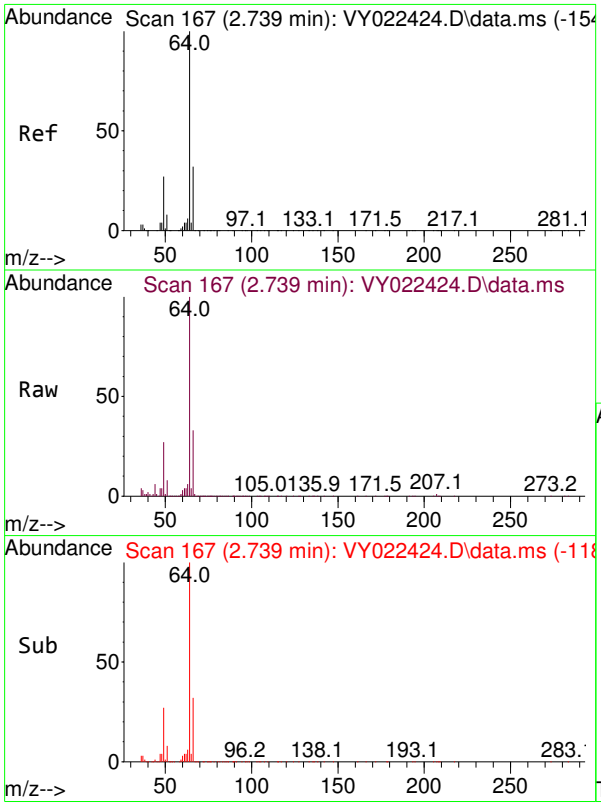
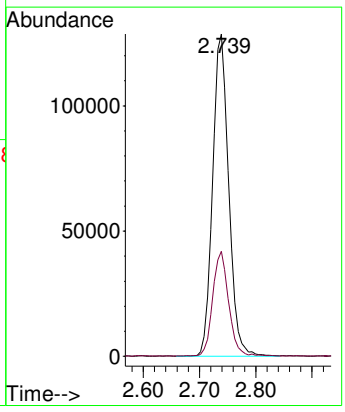


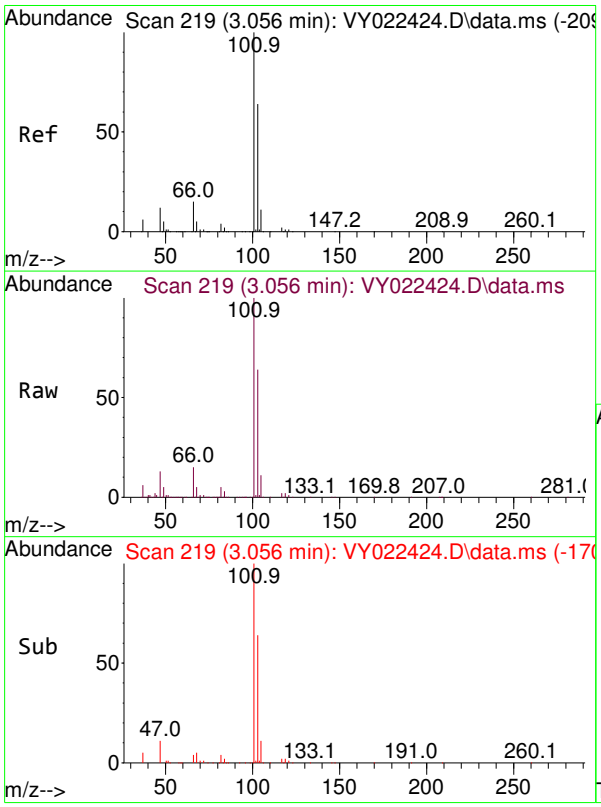


#6
Chloroethane
Concen: 54.479 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 64 Resp: 255218

Ion	Ratio	Lower	Upper
64	100		
66	32.4	25.9	38.9





#7
Trichlorofluoromethane
Concen: 49.748 ug/l
RT: 3.056 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:101 Resp: 30091

Ion	Ratio	Lower	Upper
101	100		
103	63.6	50.9	76.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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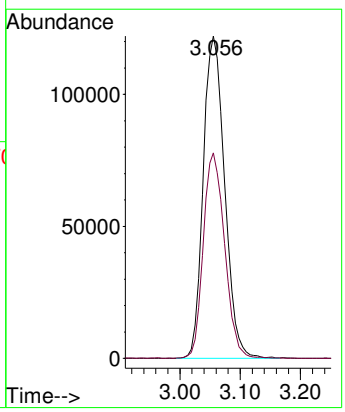
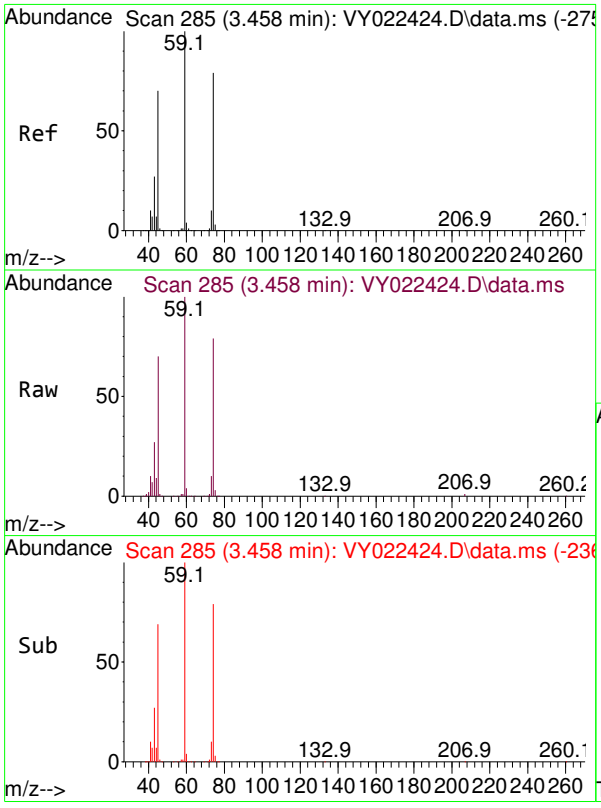
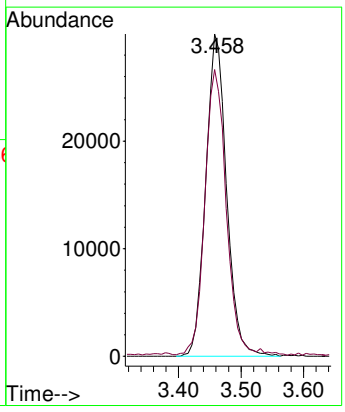


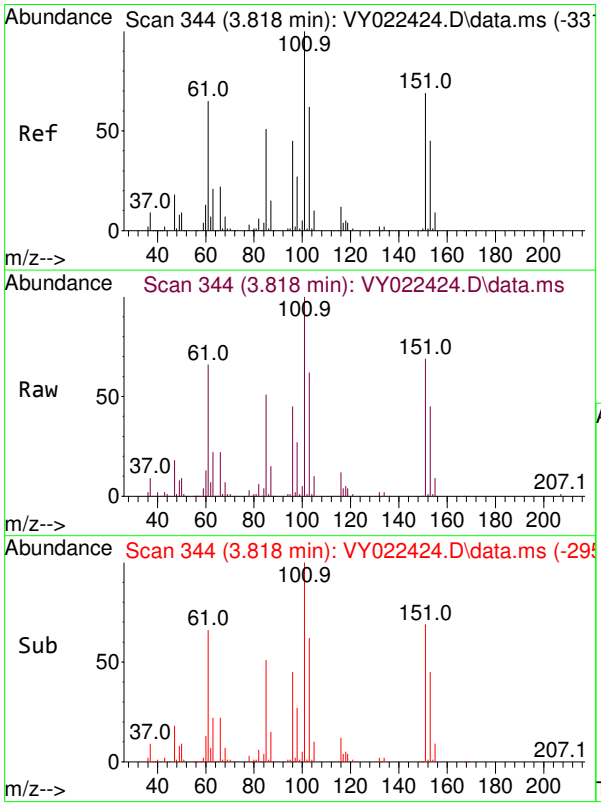


#8
Diethyl Ether
Concen: 49.906 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 74 Resp: 69604

Ion	Ratio	Lower	Upper
74	100		
45	89.7	44.9	134.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.320 ug/l
RT: 3.818 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

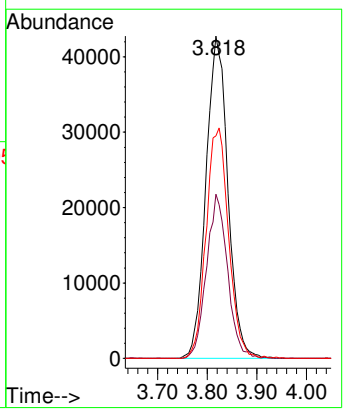
Tgt Ion:101 Resp: 13087

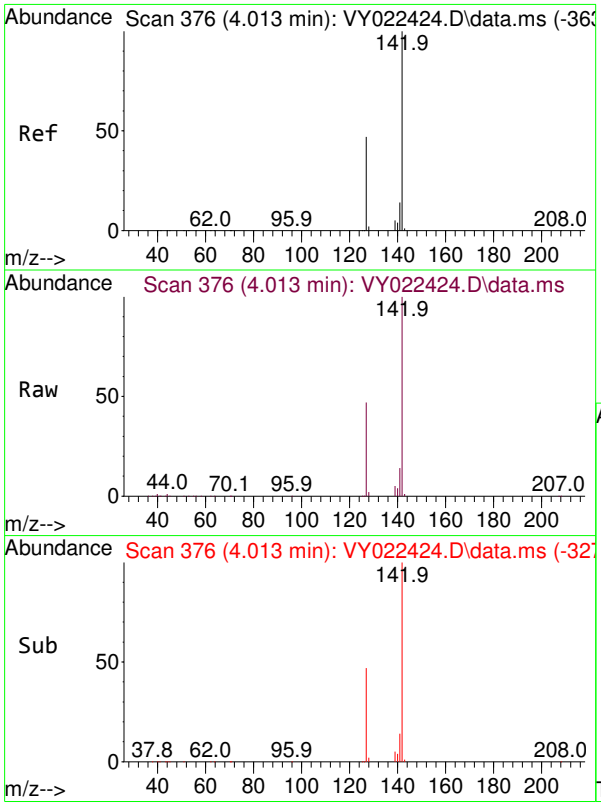
Ion	Ratio	Lower	Upper
101	100		
85	49.0	39.2	58.8
151	73.5	58.8	88.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

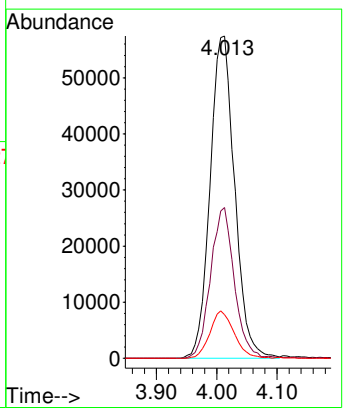


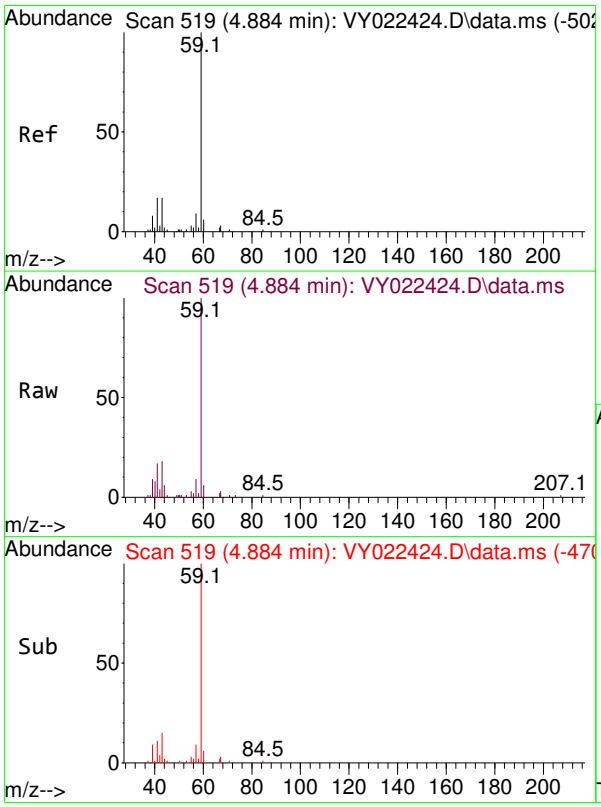


#10
Methyl Iodide
Concen: 54.366 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:142 Resp: 162763

Ion	Ratio	Lower	Upper
142	100		
127	45.3	36.2	54.4
141	14.5	11.6	17.4





#11
Tert butyl alcohol
Concen: 239.257 ug/l
RT: 4.884 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 59 Resp: 4467

Ion	Ratio	Lower	Upper
59	100		
57	11.4	9.1	13.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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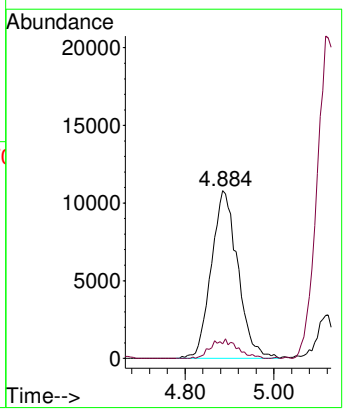
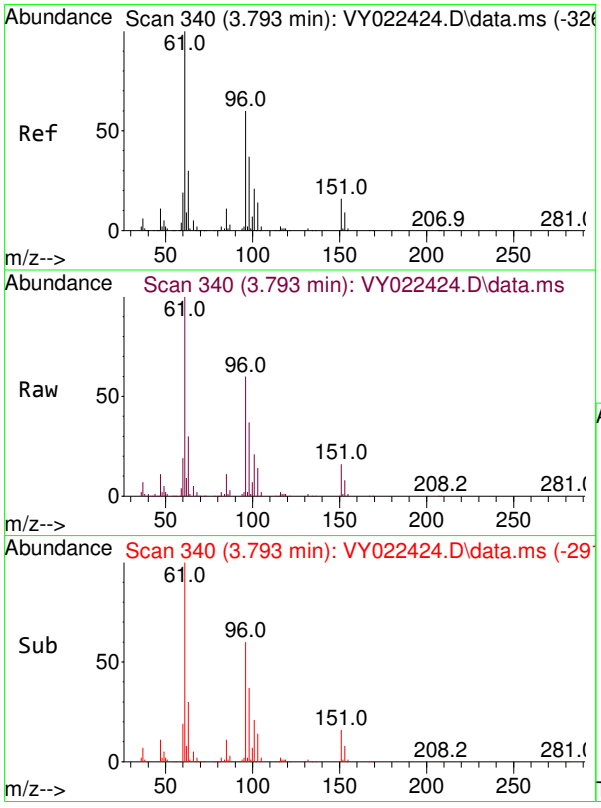
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

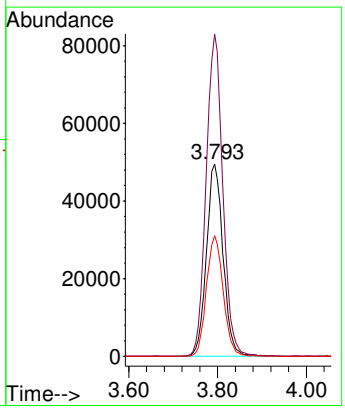


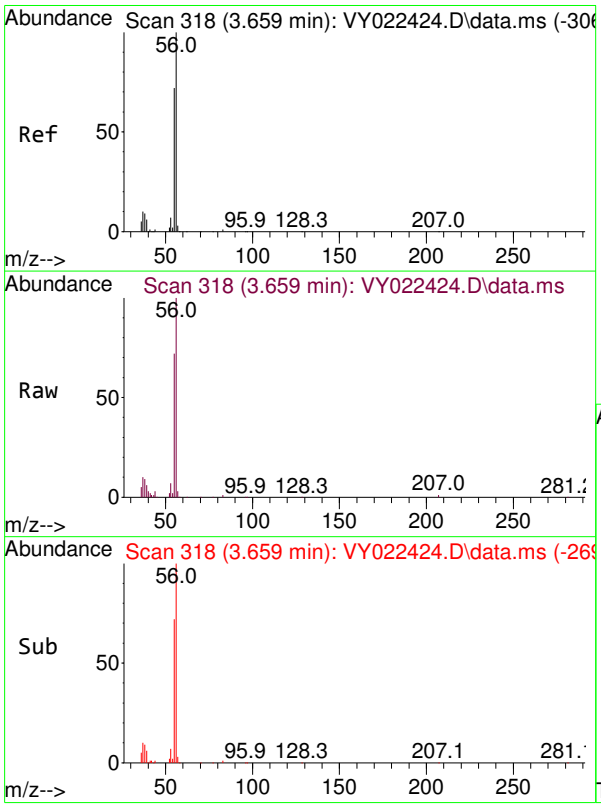


#12
1,1-Dichloroethene
Concen: 48.757 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 96 Resp: 128456

Ion	Ratio	Lower	Upper
96	100		
61	167.6	134.1	201.1
98	62.7	50.2	75.2





#13
Acrolein
Concen: 254.433 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 56 Resp: 7117

Ion	Ratio	Lower	Upper
56	100		
55	70.6	56.5	84.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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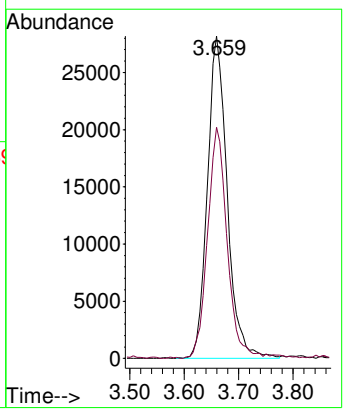
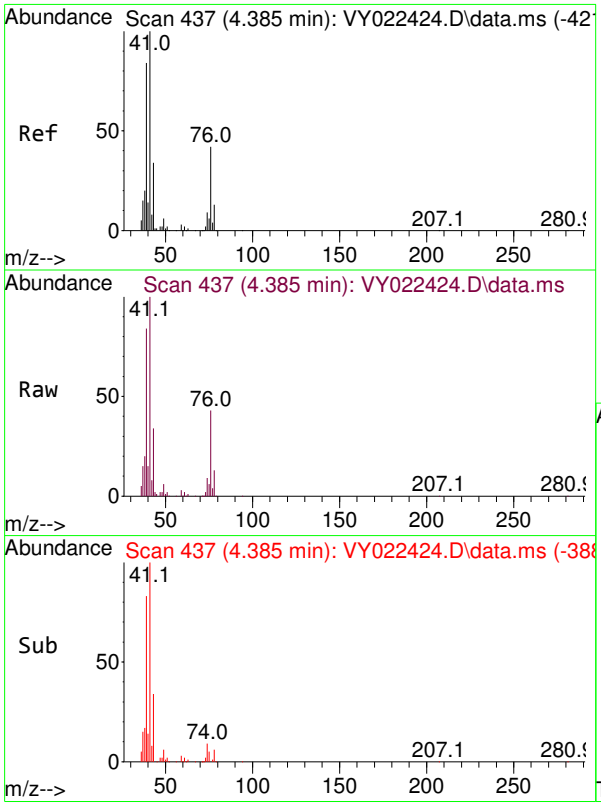
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

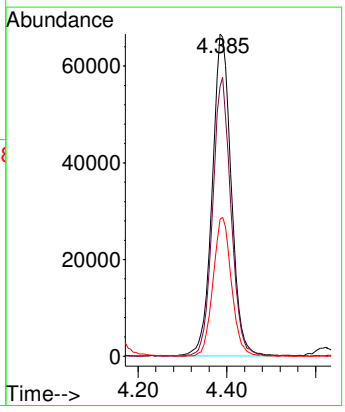


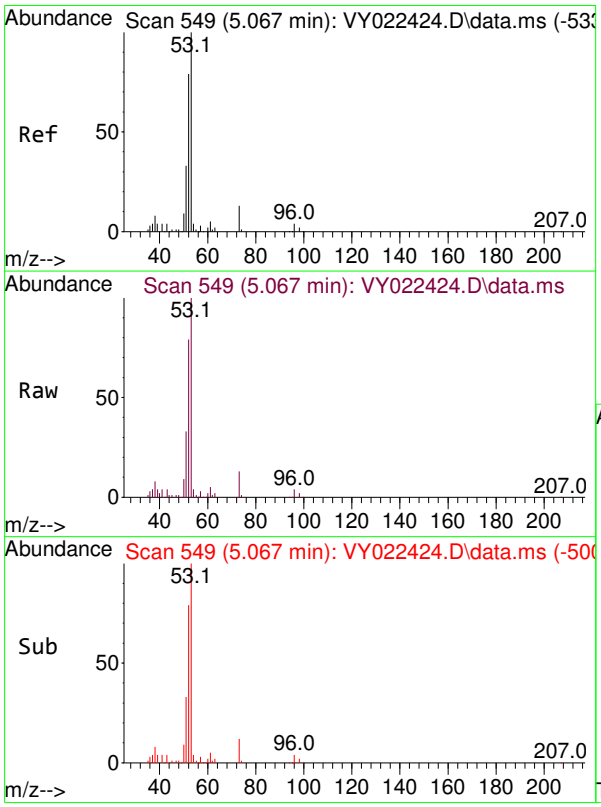


#14
Allyl chloride
Concen: 49.856 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 41 Resp: 197586

Ion	Ratio	Lower	Upper
41	100		
39	83.3	66.6	100.0
76	42.1	33.7	50.5





#15
Acrylonitrile
Concen: 249.258 ug/l
RT: 5.067 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 53 Resp: 14012

Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.1	97.7
51	37.5	30.0	45.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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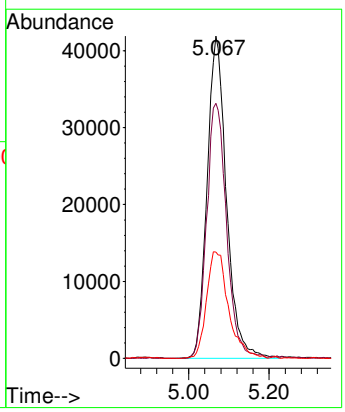
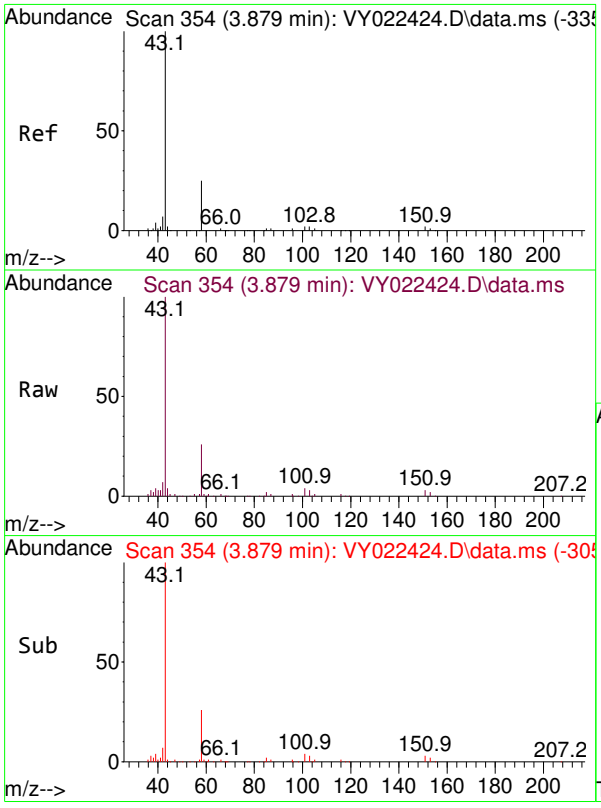
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

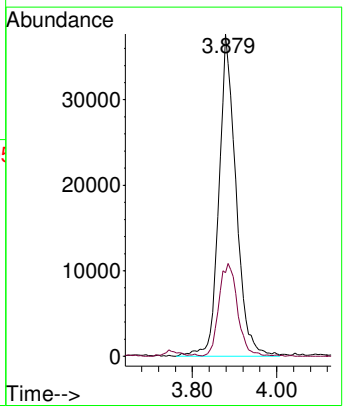


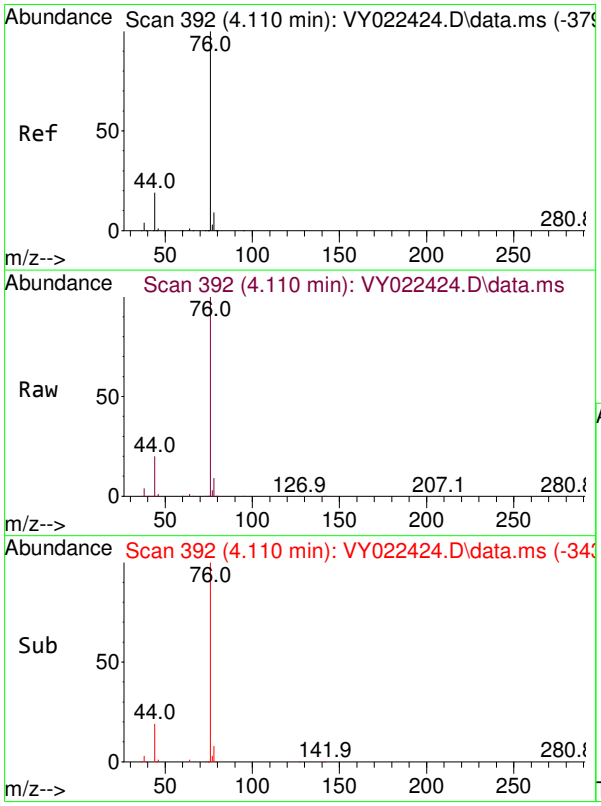


#16
Acetone
Concen: 244.853 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 43 Resp: 106570

Ion	Ratio	Lower	Upper
43	100		
58	25.7	20.6	30.8





#17
Carbon Disulfide
Concen: 49.433 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 76 Resp: 41561

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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Reviewed By :Amit Patel 05/28/2025
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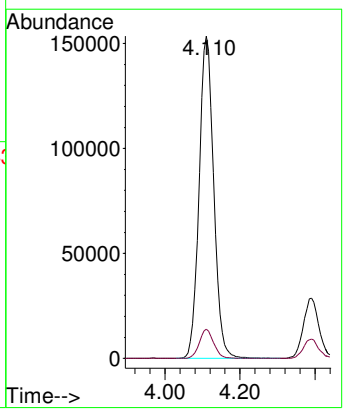
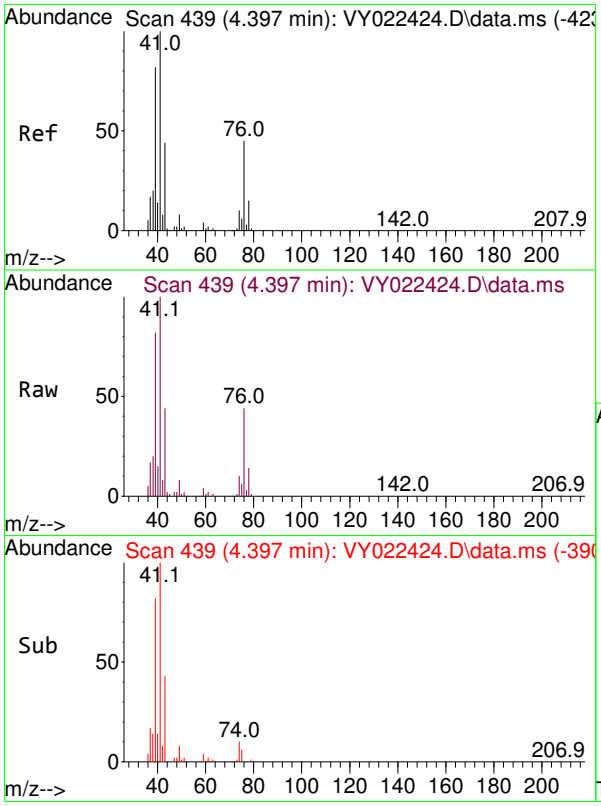
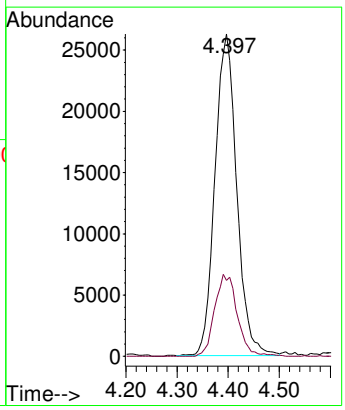


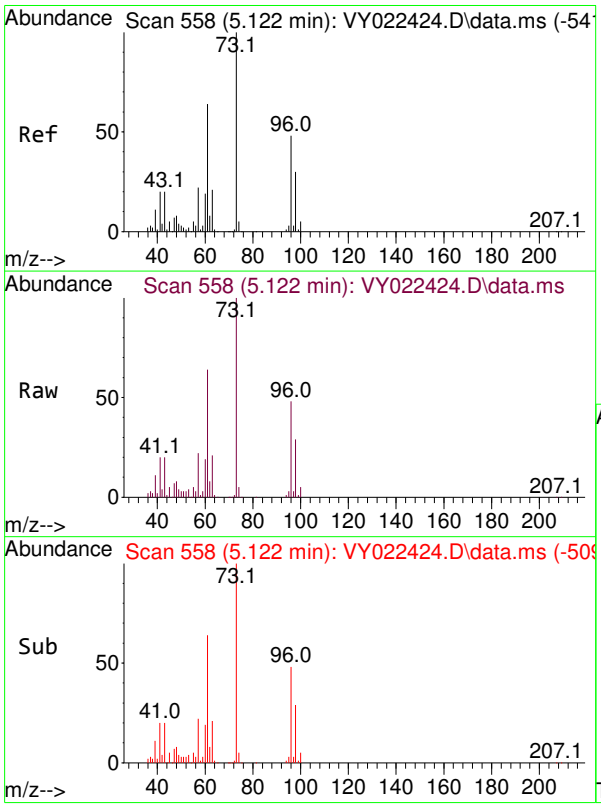


#18
Methyl Acetate
Concen: 47.567 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 43 Resp: 77552

Ion	Ratio	Lower	Upper
43	100		
74	26.5	21.2	31.8





#19
Methyl tert-butyl Ether
Concen: 49.839 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 73 Resp: 34860

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Amit Patel 05/28/2025
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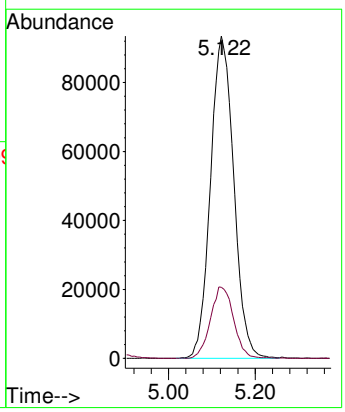
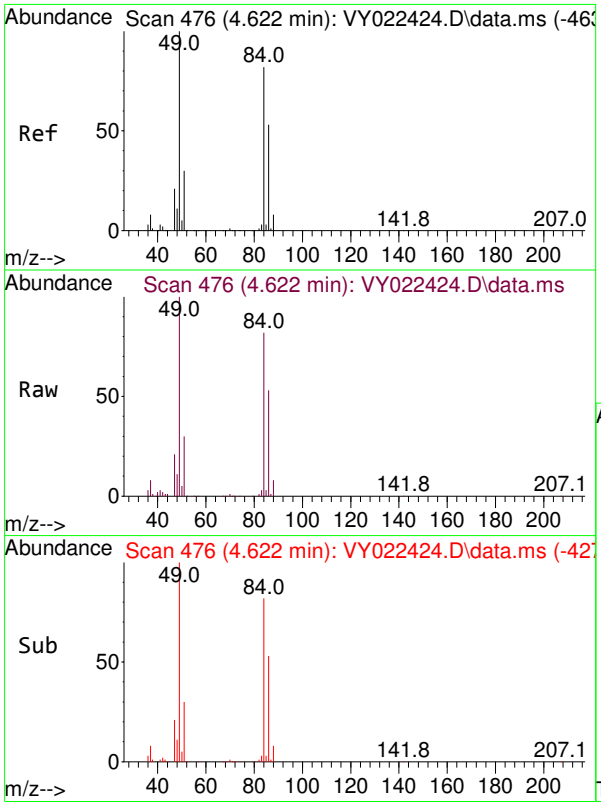
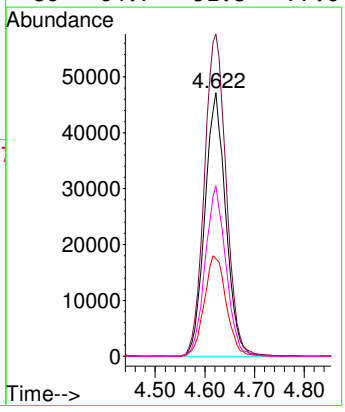


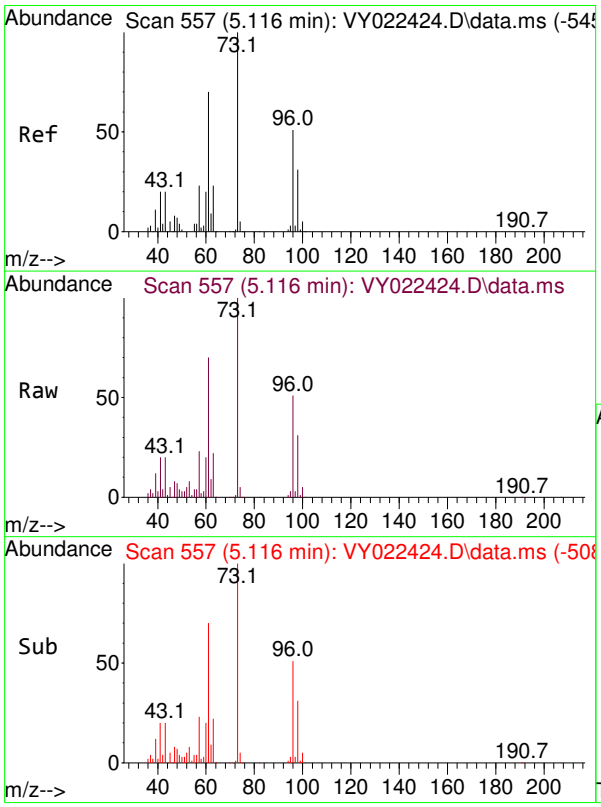


#20
Methylene Chloride
Concen: 44.887 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 84 Resp: 137958

Ion	Ratio	Lower	Upper
84	100		
49	122.3	97.8	146.8
51	36.9	29.5	44.3
86	64.7	51.8	77.6





#21
trans-1,2-Dichloroethene
Concen: 49.026 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 96 Resp: 14101

Ion	Ratio	Lower	Upper
96	100		
61	138.0	110.4	165.6
98	60.8	48.6	73.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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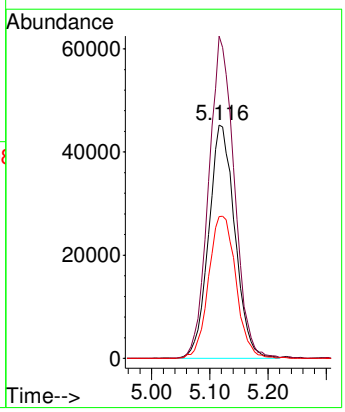
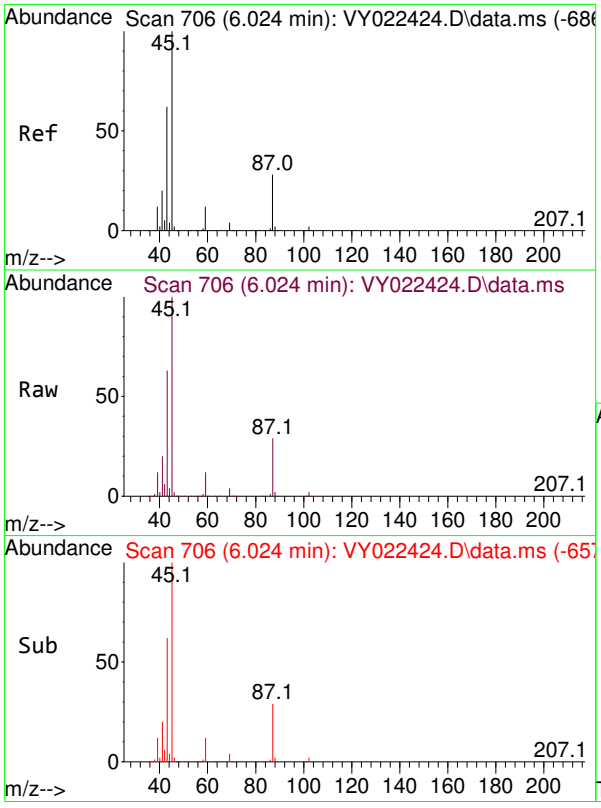
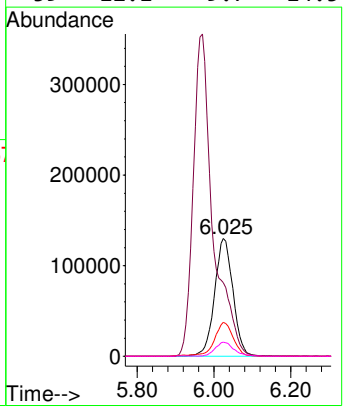


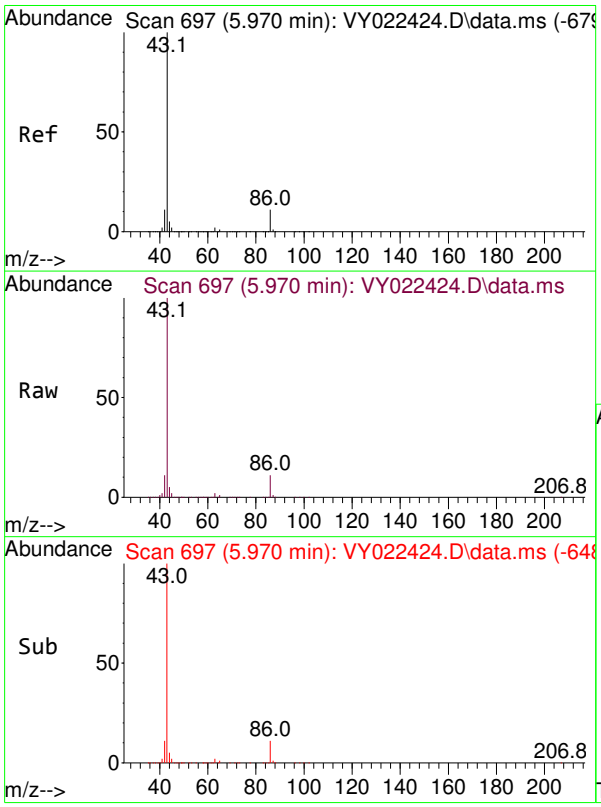


#22
Diisopropyl ether
Concen: 49.618 ug/l
RT: 6.024 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 45 Resp: 433997

Ion	Ratio	Lower	Upper
45	100		
43	62.3	49.8	74.8
87	28.8	23.0	34.6
59	12.1	9.7	14.5





#23
Vinyl Acetate
Concen: 251.347 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 43 Resp: 126232

Ion	Ratio	Lower	Upper
43	100		
86	11.0	8.8	13.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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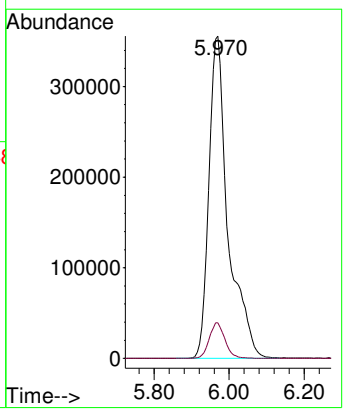
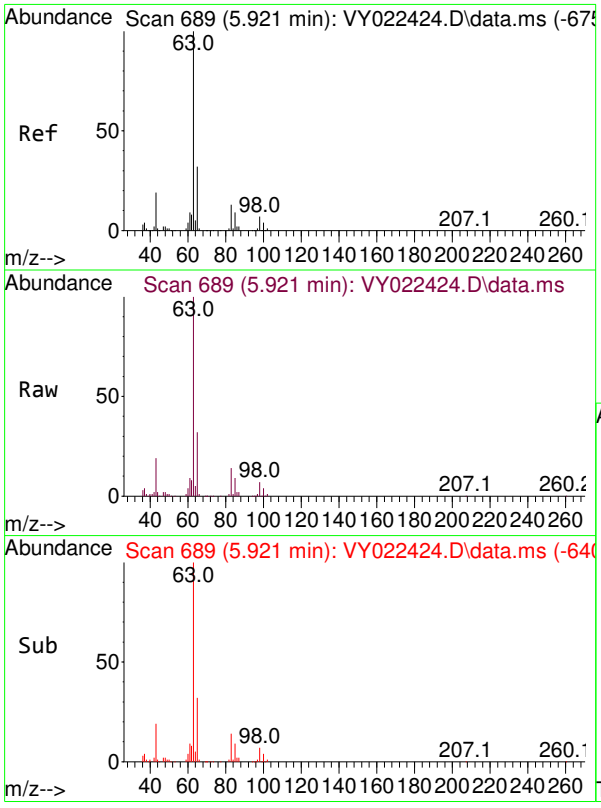
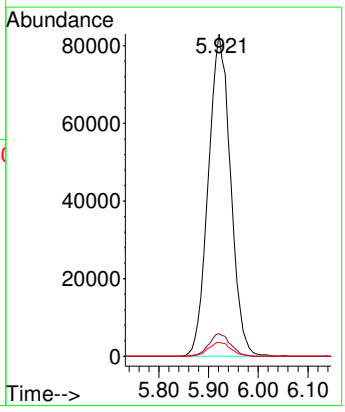


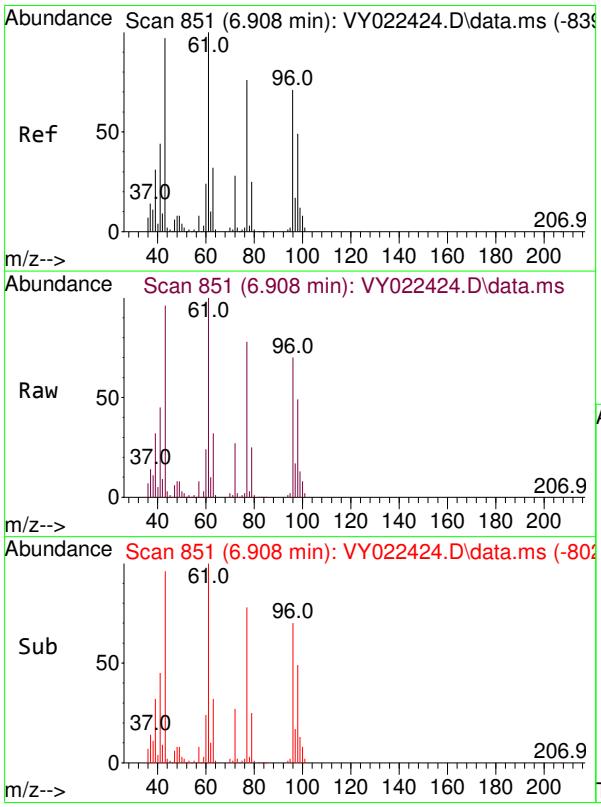


#24
1,1-Dichloroethane
Concen: 49.955 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 63 Resp: 258190

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.5
100	4.3	2.1	6.5





#25
2-Butanone
Concen: 246.104 ug/l
RT: 6.908 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 43 Resp: 17839

Ion	Ratio	Lower	Upper
43	100		
72	28.5	22.8	34.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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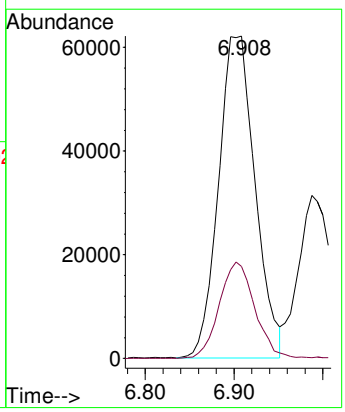
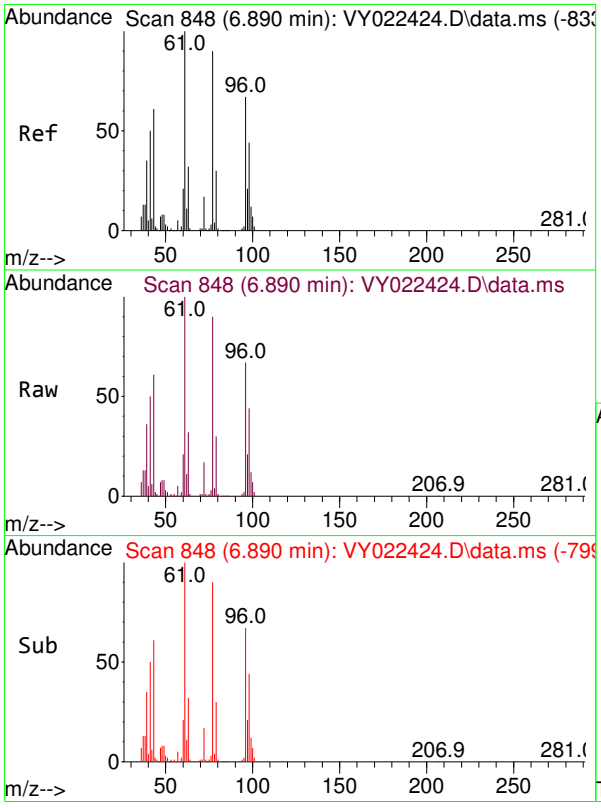
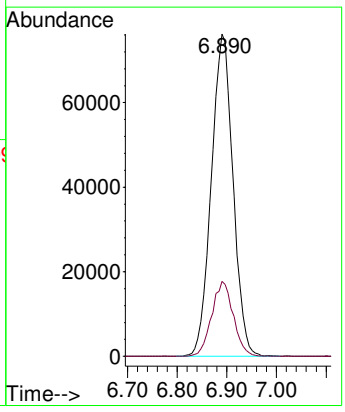


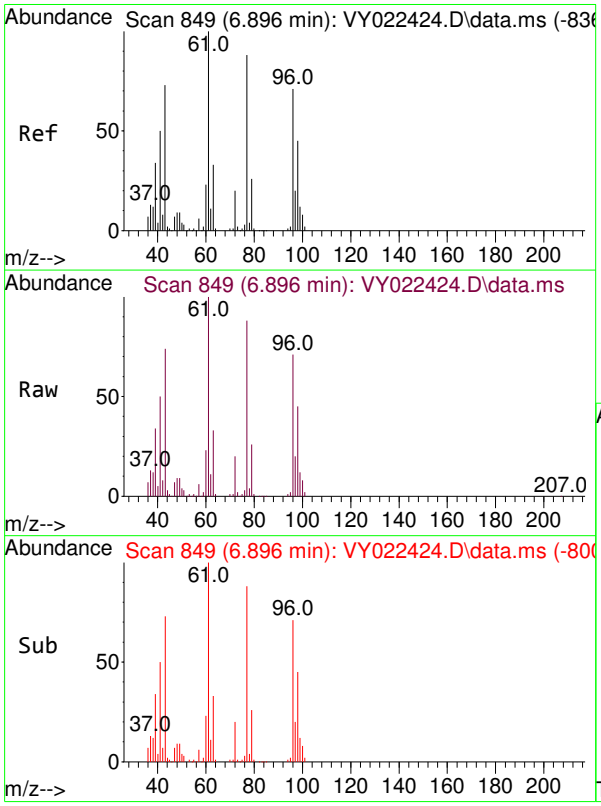


#26
2,2-Dichloropropane
Concen: 49.466 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 77 Resp: 231499

Ion	Ratio	Lower	Upper
77	100		
97	23.1	11.6	34.7





#27
cis-1,2-Dichloroethene
Concen: 49.217 ug/l
RT: 6.896 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 96 Resp: 16387

Ion	Ratio	Lower	Upper
96	100		
61	146.0	0.0	292.0
98	65.5	0.0	131.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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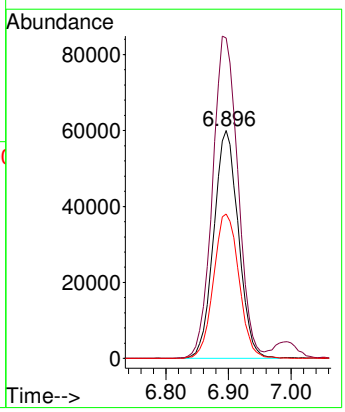
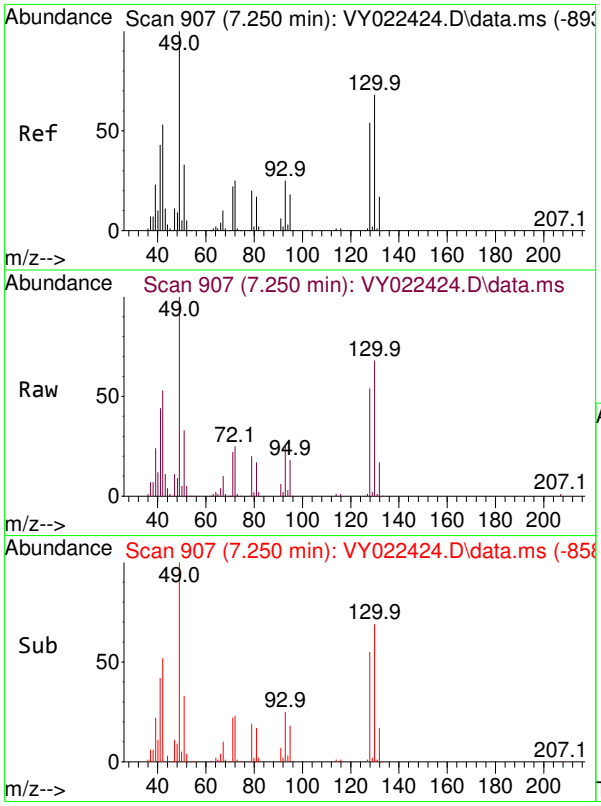
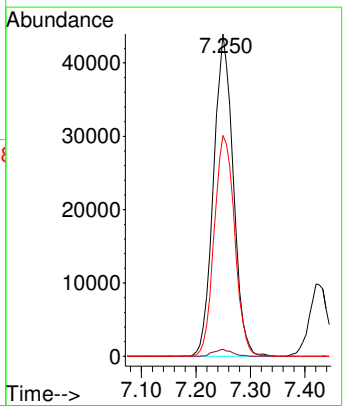


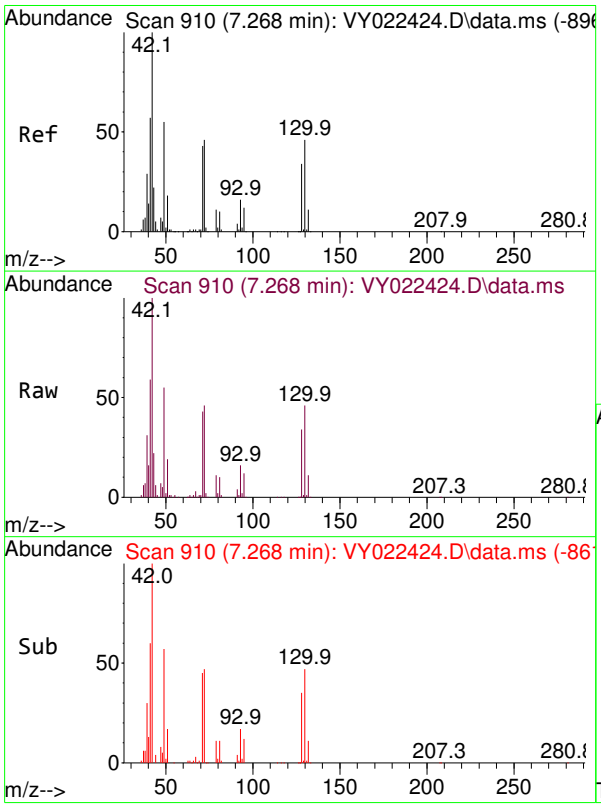


#28
Bromochloromethane
Concen: 51.091 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 49 Resp: 110266

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	71.1	56.9	85.3





#29
Tetrahydrofuran
Concen: 247.328 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

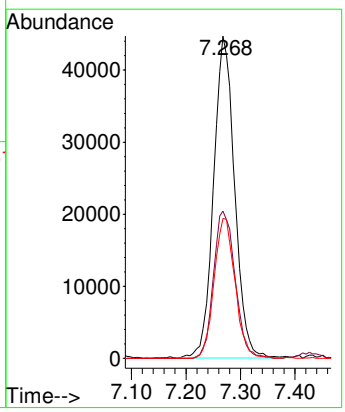
Tgt Ion: 42 Resp: 11956

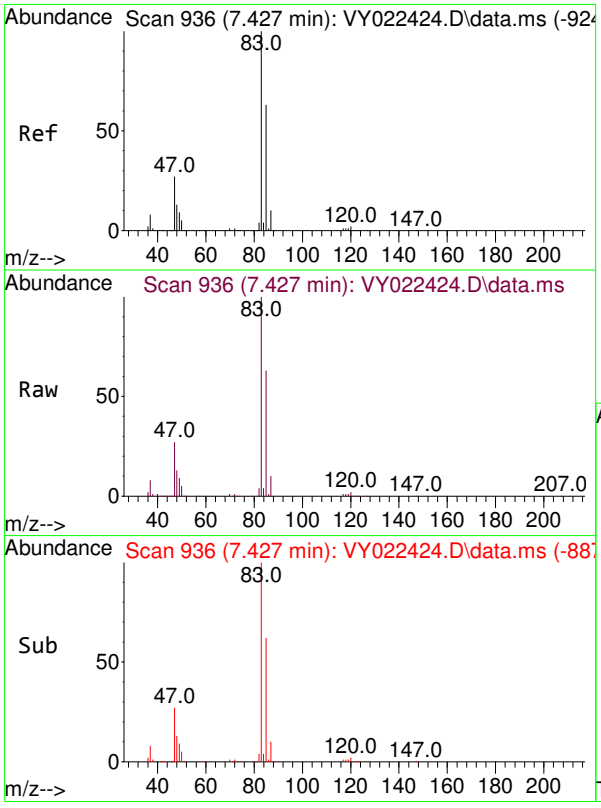
Ion	Ratio	Lower	Upper
42	100		
72	47.1	37.7	56.5
71	43.4	34.7	52.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

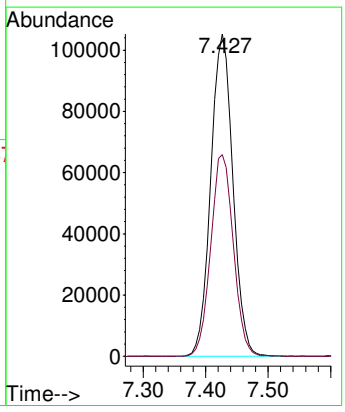


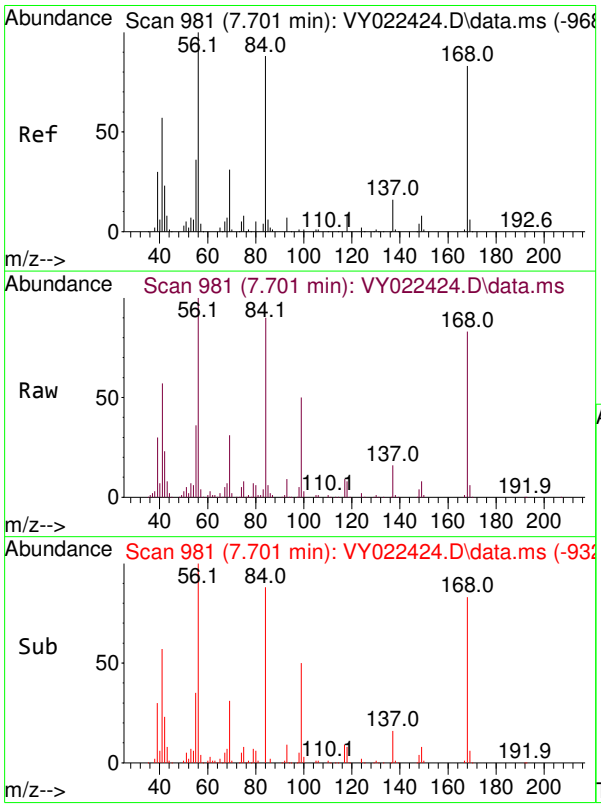


#30
Chloroform
Concen: 50.655 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 83 Resp: 257981

Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.1	75.1





#31
Cyclohexane
Concen: 46.340 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

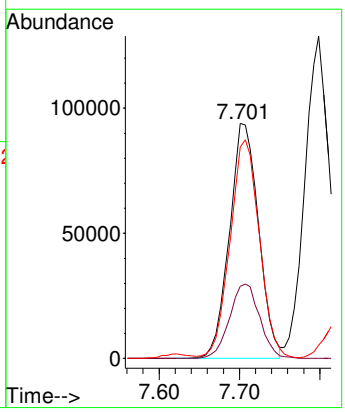
Tgt Ion: 56 Resp: 23609

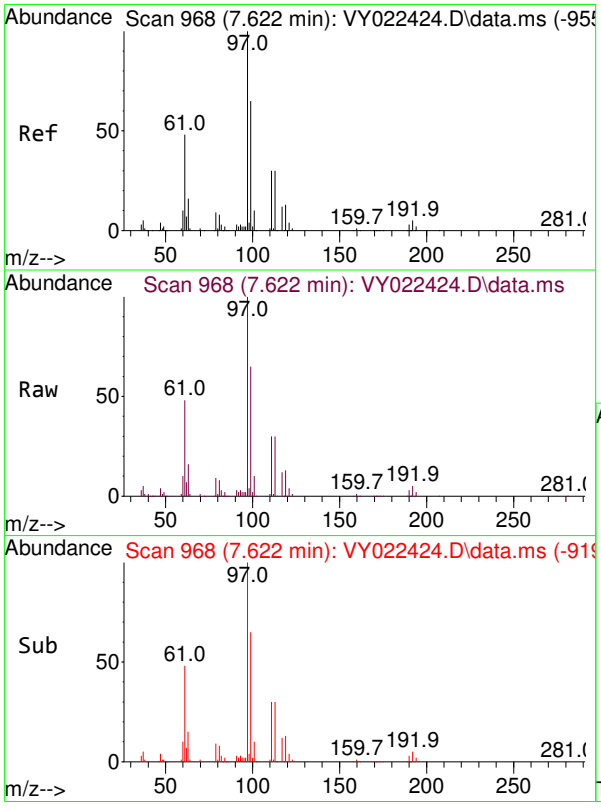
Ion	Ratio	Lower	Upper
56	100		
69	30.7	24.6	36.8
84	88.0	70.4	105.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

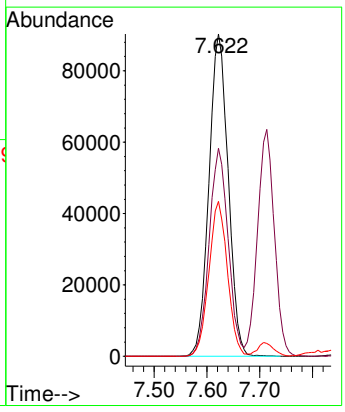


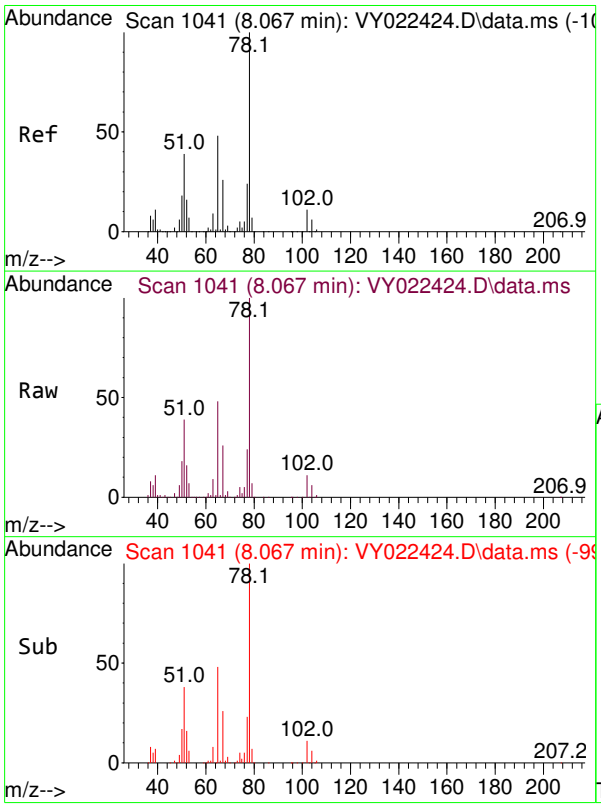


#32
1,1,1-Trichloroethane
Concen: 49.660 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 97 Resp: 229531

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.3	76.9
61	46.6	37.3	55.9





#33
1,2-Dichloroethane-d4
Concen: 50.486 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 65 Resp: 13372

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	104.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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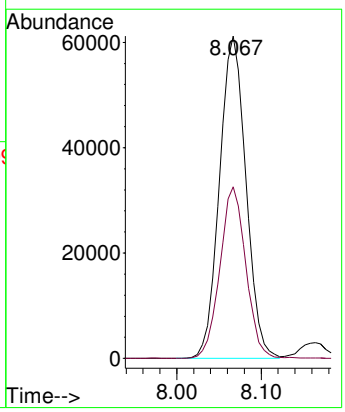
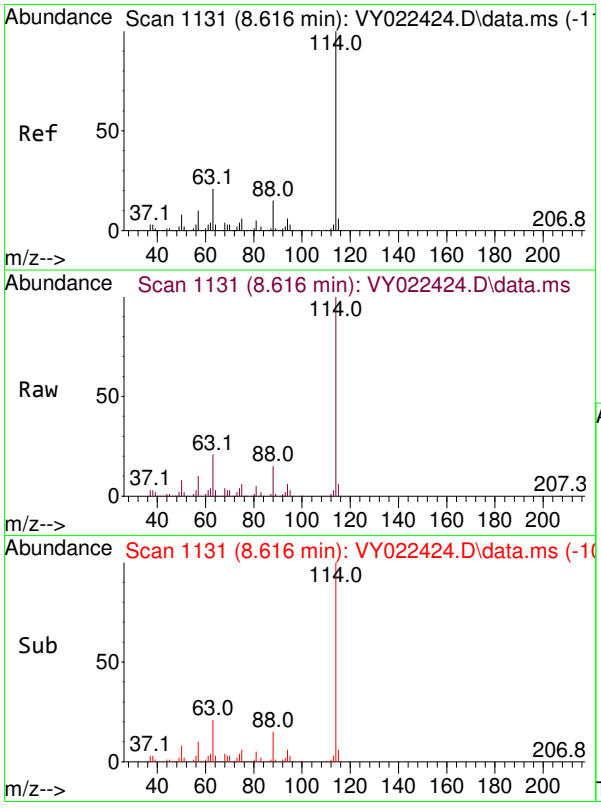
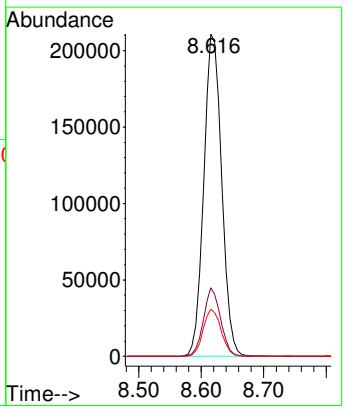


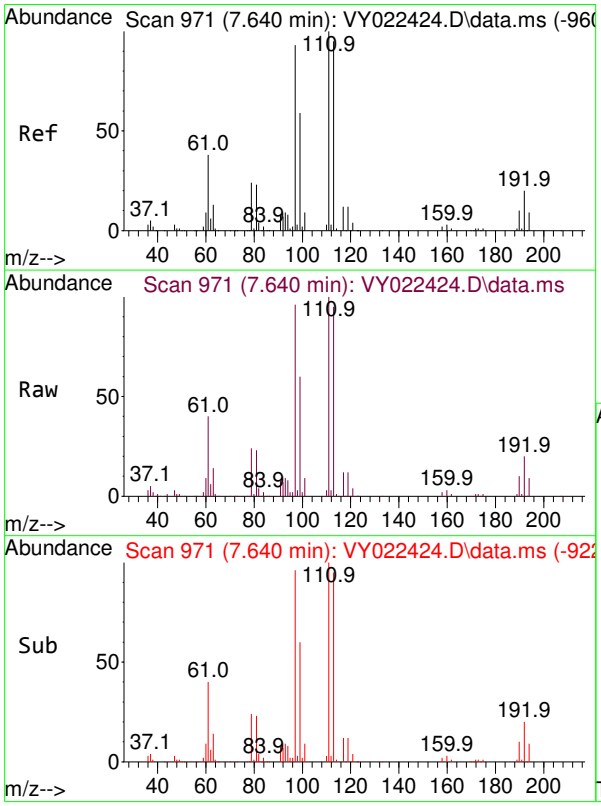


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:114 Resp: 421648

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	42.6
88	14.7	0.0	29.4





#35
Dibromofluoromethane
Concen: 49.438 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:113 Resp: 12207

Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.4	123.6
192	19.0	15.2	22.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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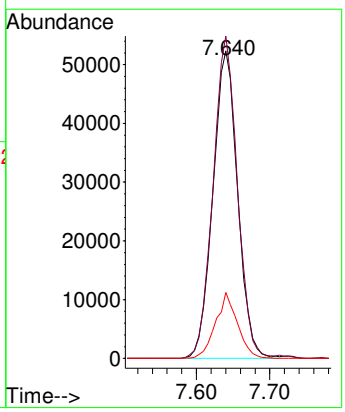
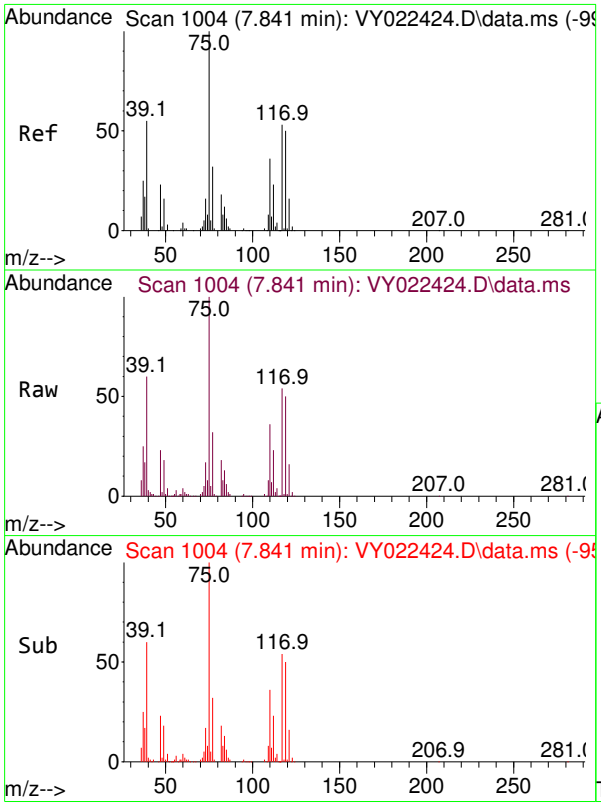
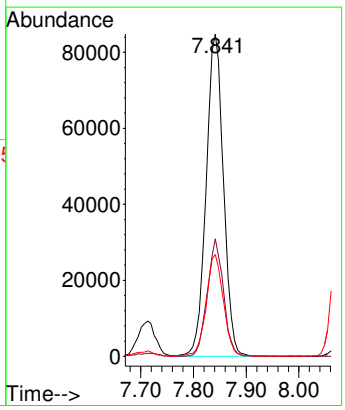


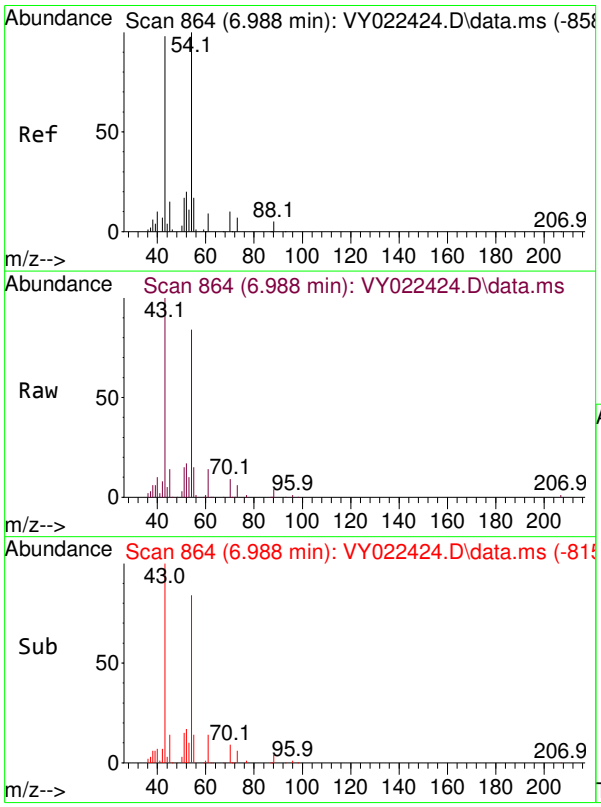


#36
1,1-Dichloropropene
Concen: 49.482 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 75 Resp: 193888

Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.1	51.2
77	31.4	25.1	37.7





#37
Ethyl Acetate
Concen: 50.538 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 43 Resp: 8415

Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.7	17.5
70	9.7	7.8	11.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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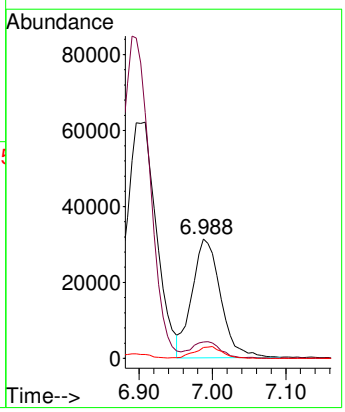
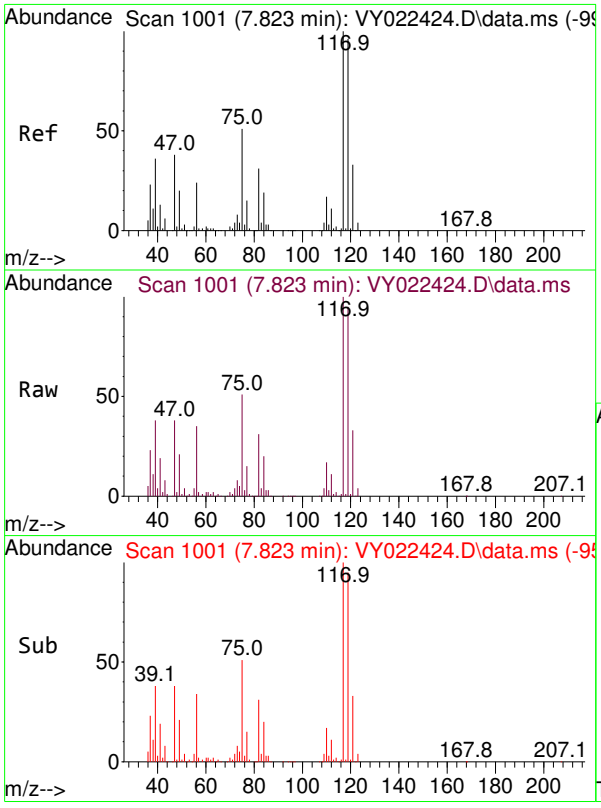
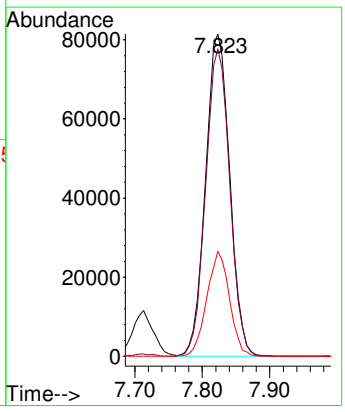


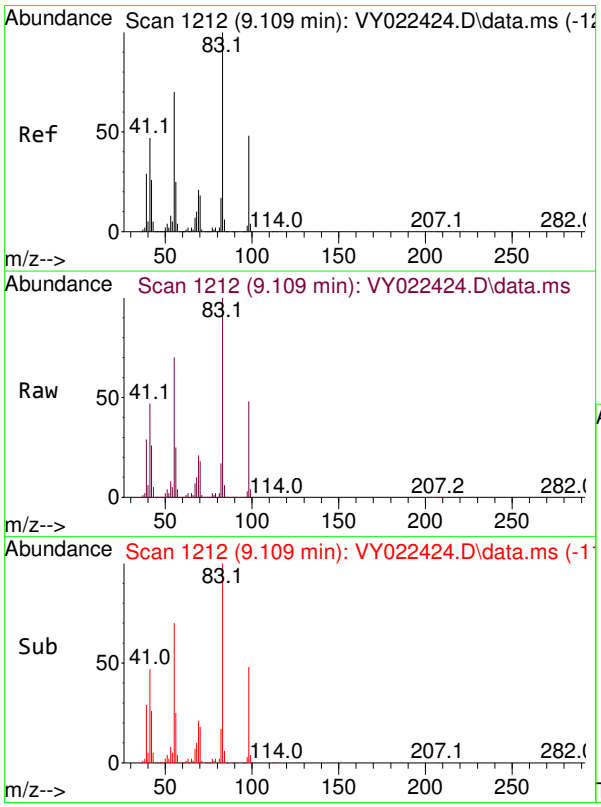


#38
Carbon Tetrachloride
Concen: 49.731 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:117 Resp: 202994

Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.3	114.5
121	32.6	26.1	39.1





#39
Methylcyclohexane
Concen: 49.724 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 83 Resp: 25899

Ion	Ratio	Lower	Upper
83	100		
55	70.2	56.2	84.2
98	48.0	38.4	57.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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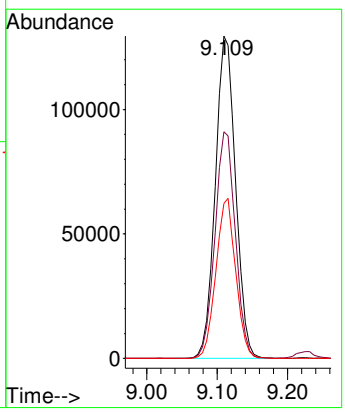
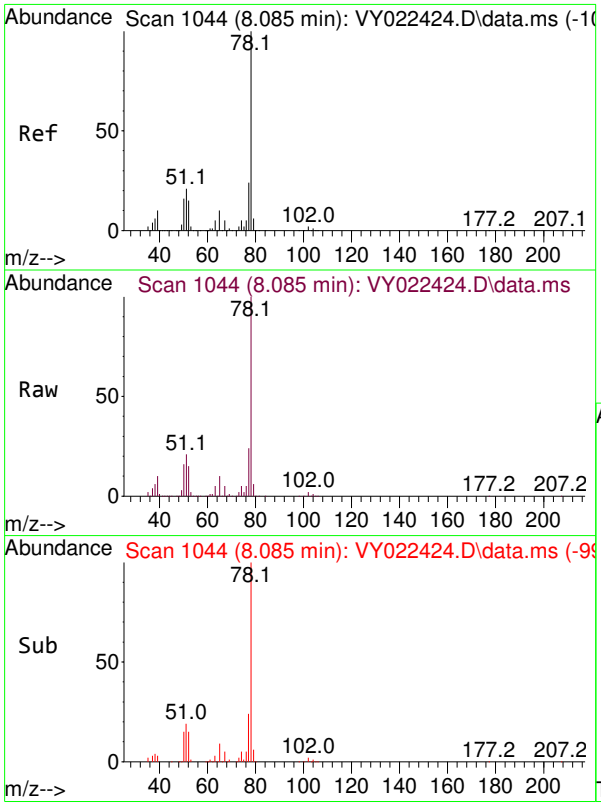
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

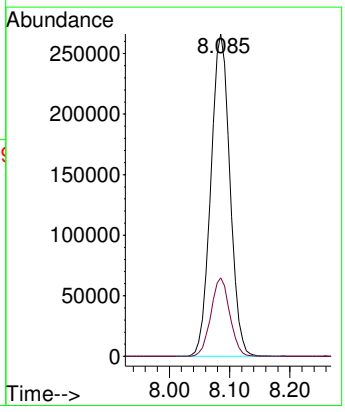


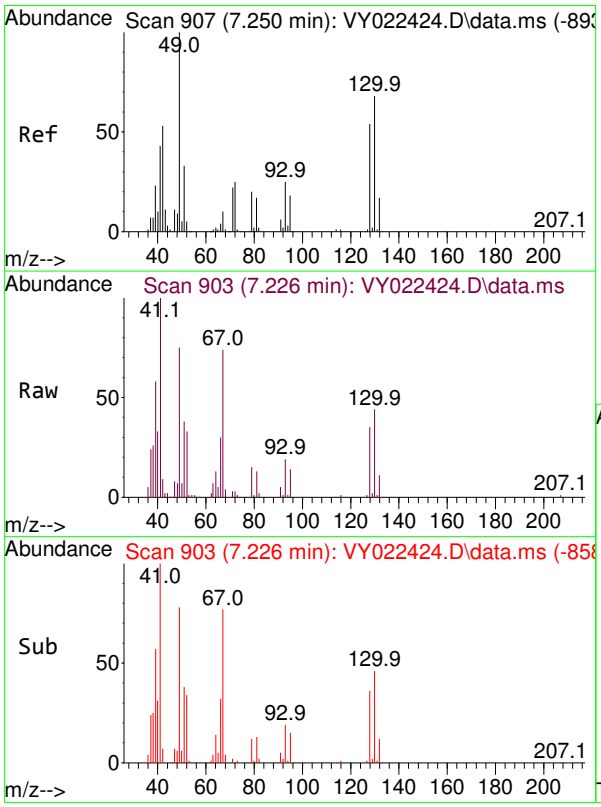


#40
Benzene
Concen: 50.308 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 78 Resp: 586562

Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.4	29.2

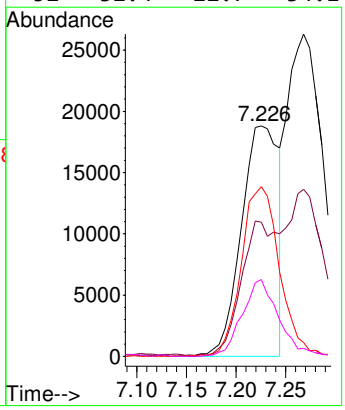




#41
Methacrylonitrile
Concen: 22.465 ug/l
RT: 7.226 min Scan# 9
Delta R.T. -0.024 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 41 Resp: 4923

Ion	Ratio	Lower	Upper
41	100		
39	57.5	40.4	60.6
67	75.4	53.0	79.4
52	32.4	22.7	34.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Amit Patel 05/28/2025
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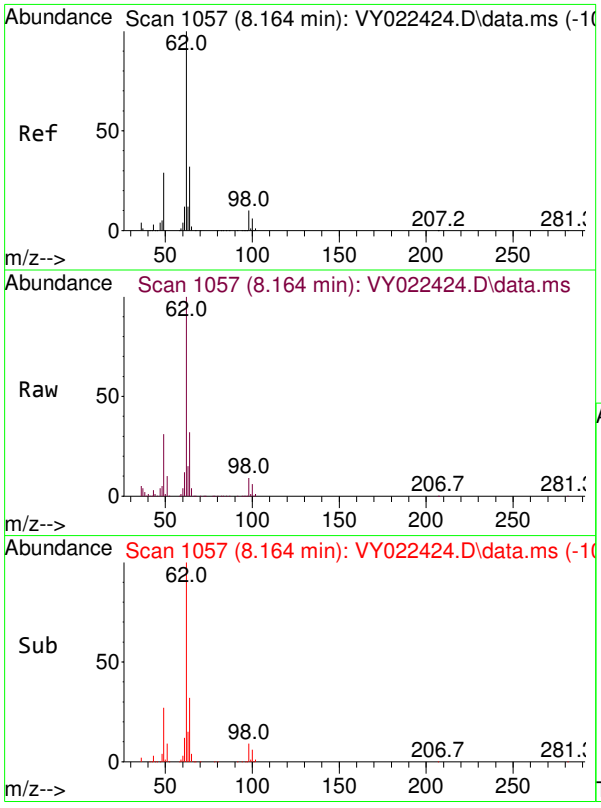
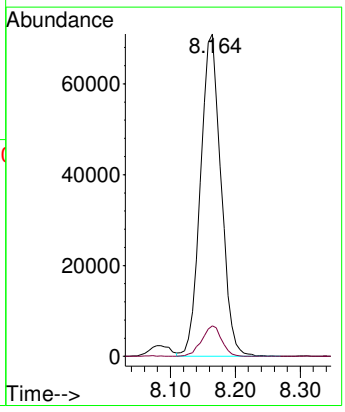
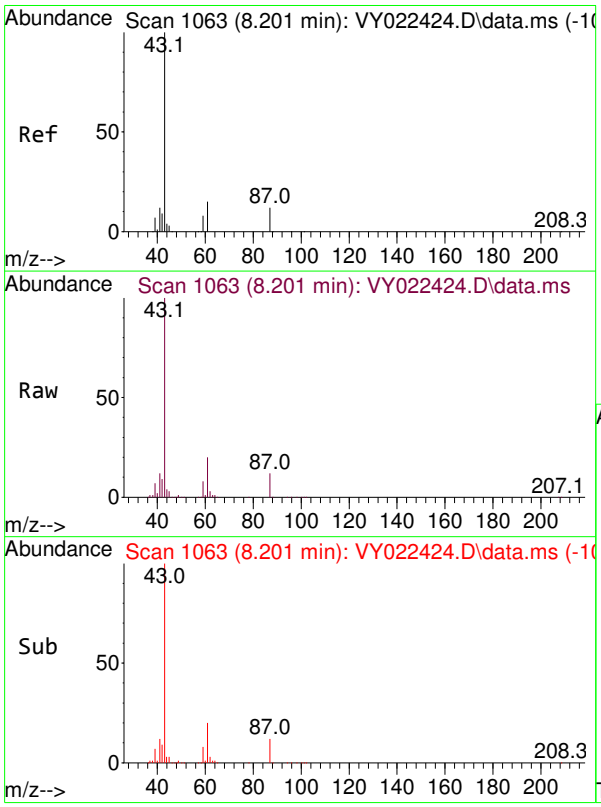


#42
1,2-Dichloroethane
Concen: 50.458 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 62 Resp: 155379

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4





#43
Isopropyl Acetate
Concen: 50.467 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 43 Resp: 18364

Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.4	23.0
87	13.2	10.6	15.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
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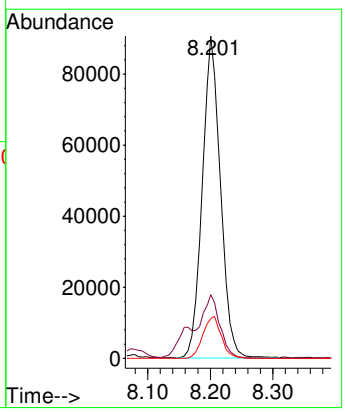
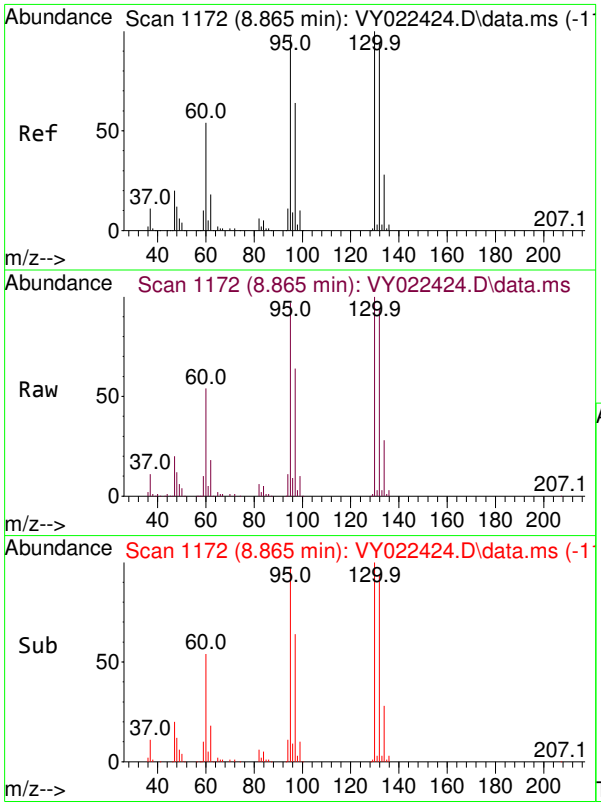
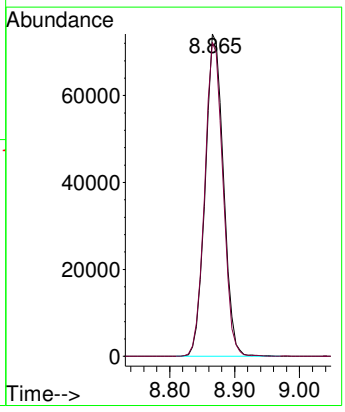


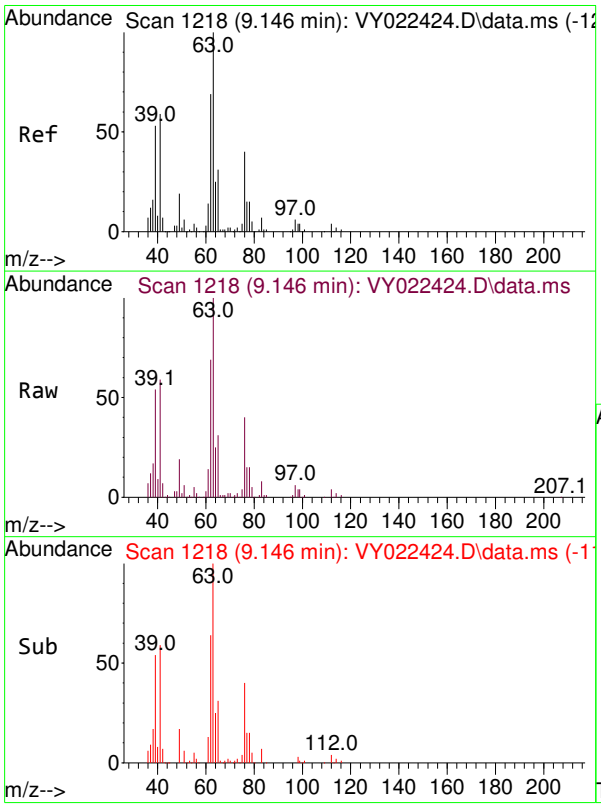


#44
Trichloroethene
Concen: 50.172 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:130 Resp: 144611

Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	194.8





#45
1,2-Dichloropropane
Concen: 49.730 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 63 Resp: 13623

Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.1	37.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Amit Patel 05/28/2025
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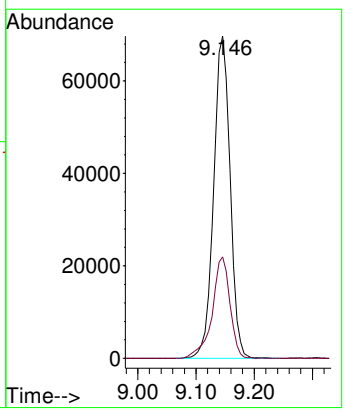
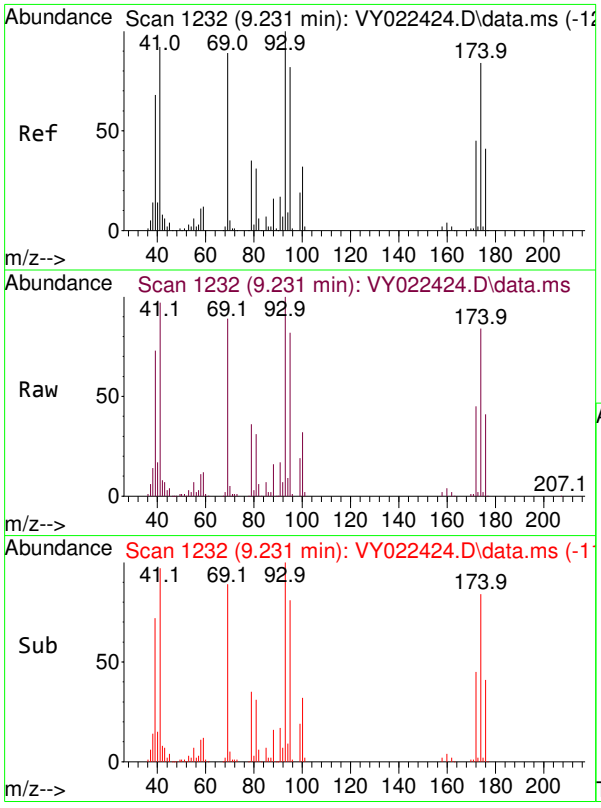
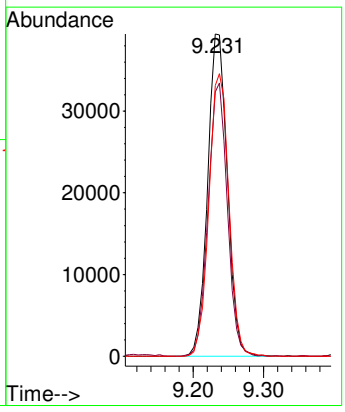


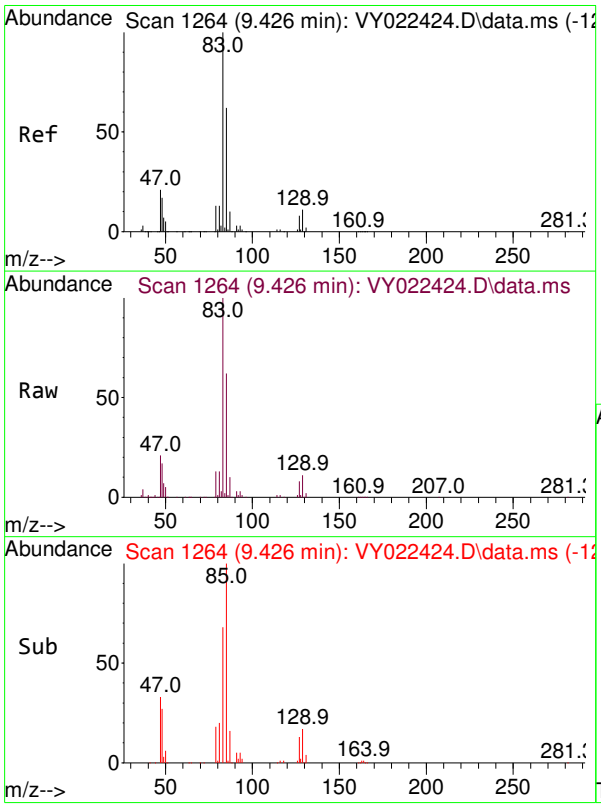


#46
Dibromomethane
Concen: 50.148 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 93 Resp: 76743

Ion	Ratio	Lower	Upper
93	100		
95	82.7	66.2	99.2
174	88.9	71.1	106.7





#47
Bromodichloromethane
Concen: 49.717 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

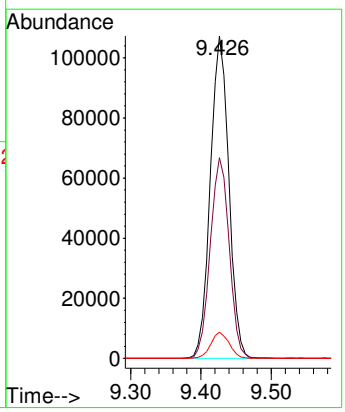
Tgt Ion: 83 Resp: 19565

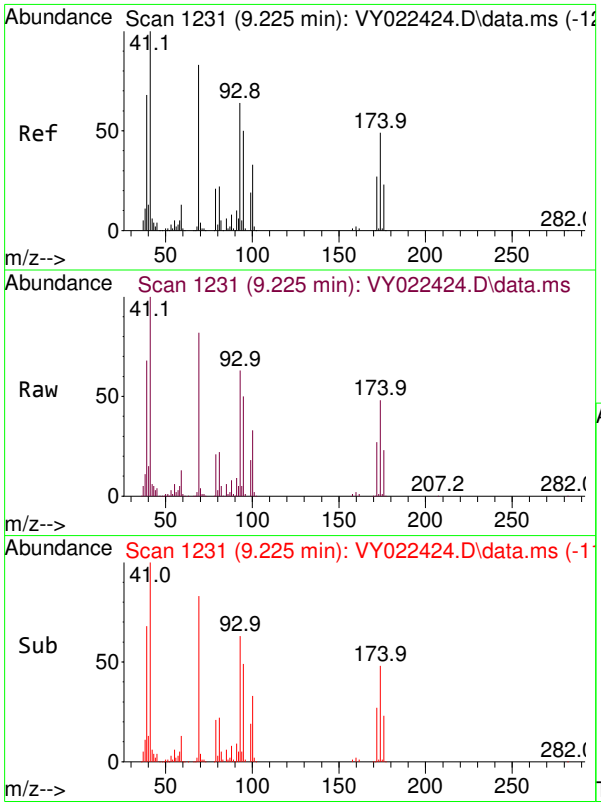
Ion	Ratio	Lower	Upper
83	100		
85	62.2	49.8	74.6
127	8.2	6.6	9.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

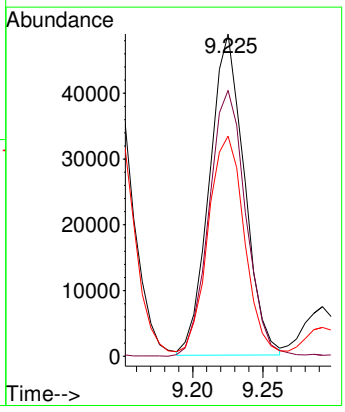


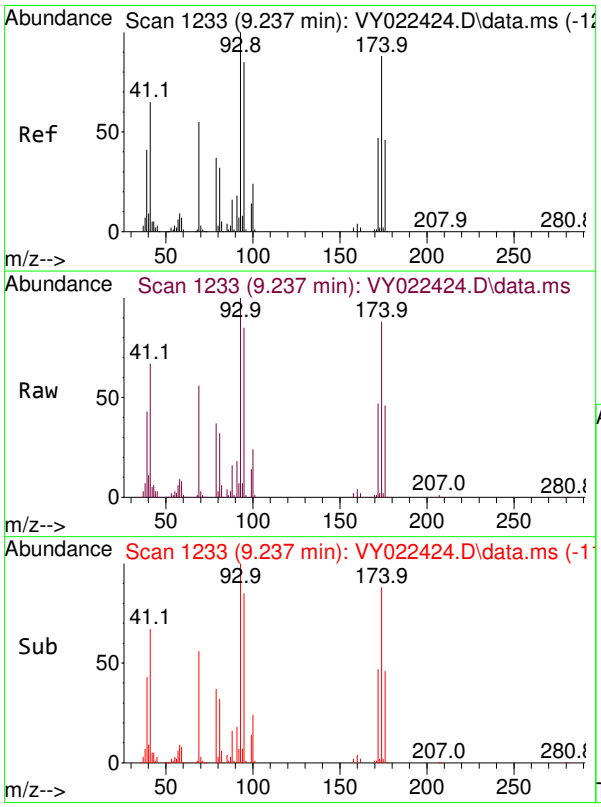


#48
Methyl methacrylate
Concen: 49.870 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 41 Resp: 84239

Ion	Ratio	Lower	Upper
41	100		
69	87.9	70.3	105.5
39	69.2	55.4	83.0

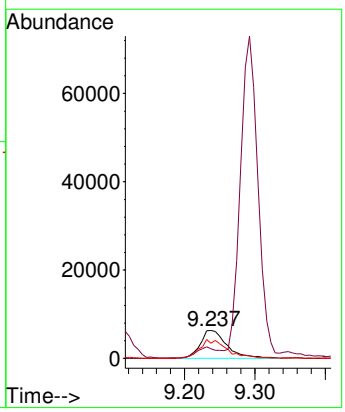




#49
1,4-Dioxane
Concen: 988.479 ug/l
RT: 9.237 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 88 Resp: 1670

Ion	Ratio	Lower	Upper
88	100		
43	33.6	26.9	40.3
58	69.7	55.8	83.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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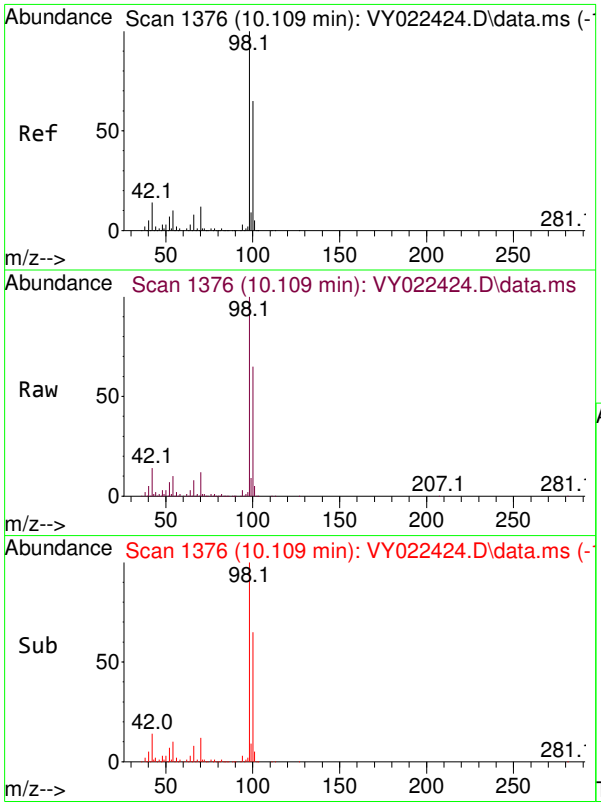
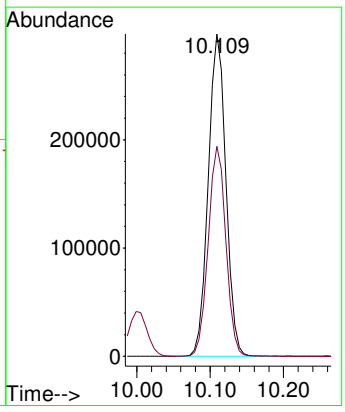
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

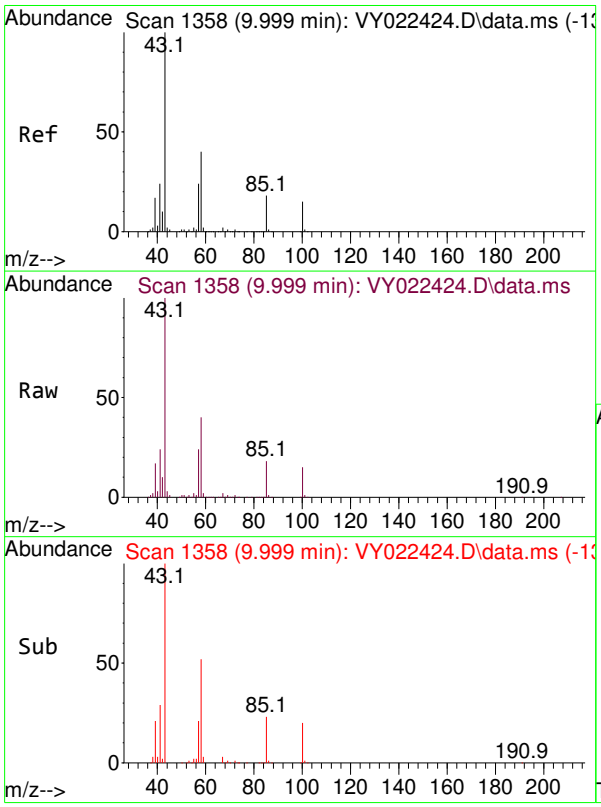


#50
Toluene-d8
Concen: 49.264 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 98 Resp: 495900

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.2	78.2





#51
4-Methyl-2-Pentanone
Concen: 256.225 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 43 Resp: 46003

Ion	Ratio	Lower	Upper
43	100		
58	39.0	31.2	46.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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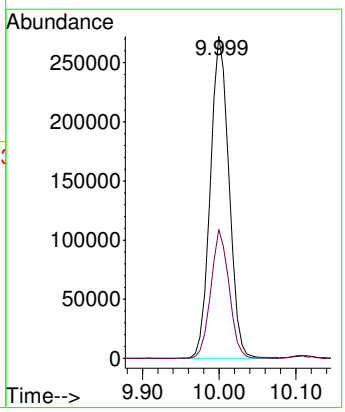
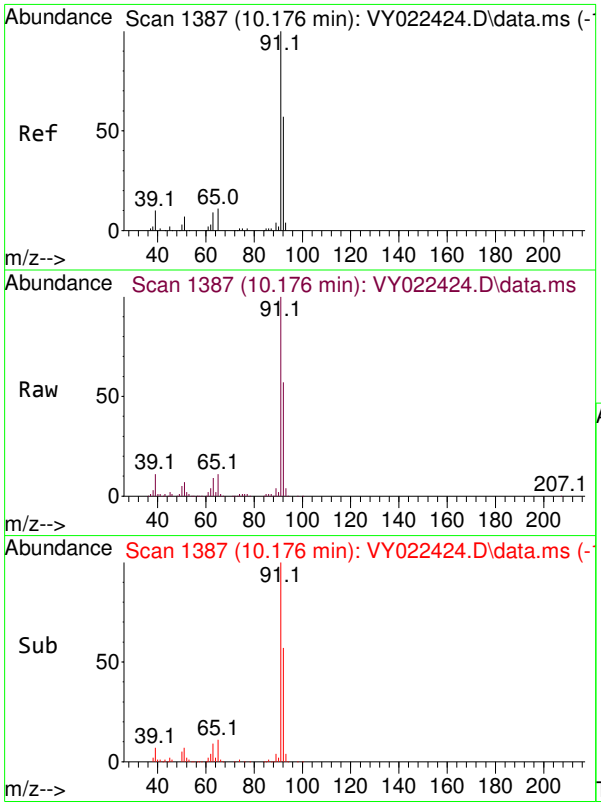
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

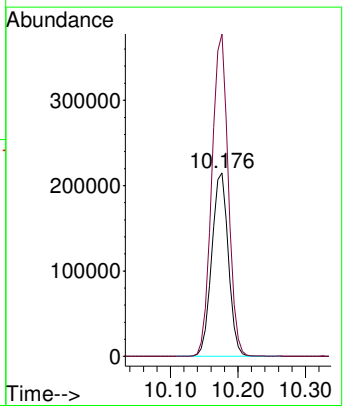


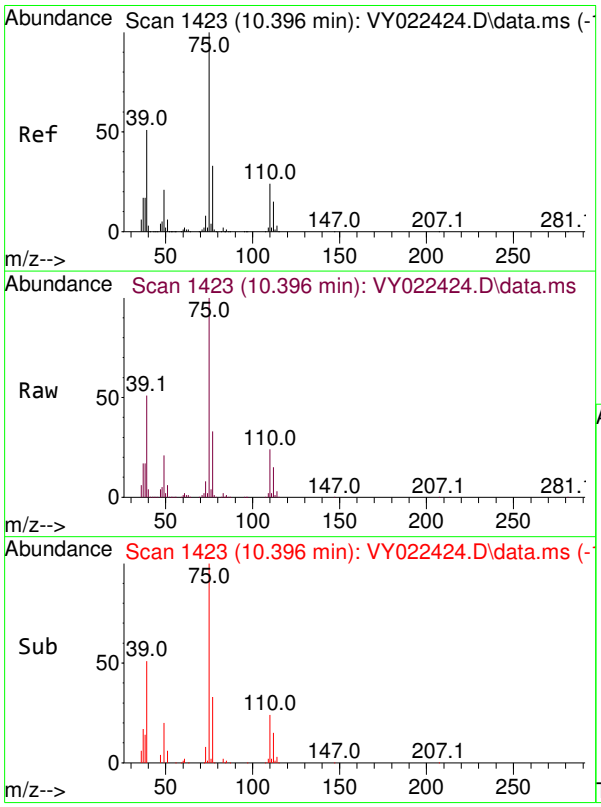


#52
Toluene
Concen: 50.235 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 92 Resp: 365833

Ion	Ratio	Lower	Upper
92	100		
91	174.7	139.8	209.6





#53
t-1,3-Dichloropropene
Concen: 49.875 ug/l
RT: 10.396 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 75 Resp: 18281

Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.2	39.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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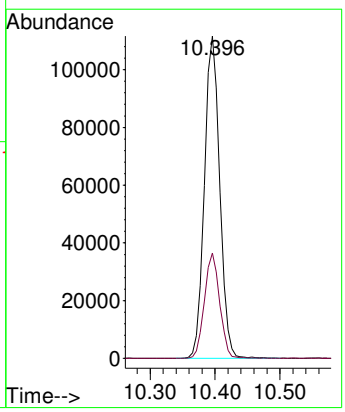
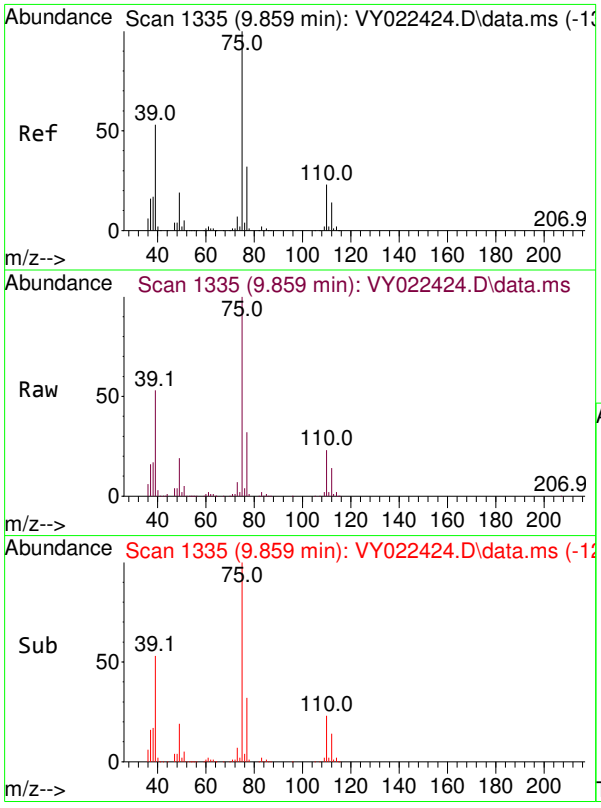
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

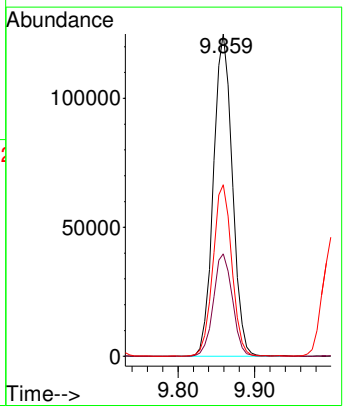


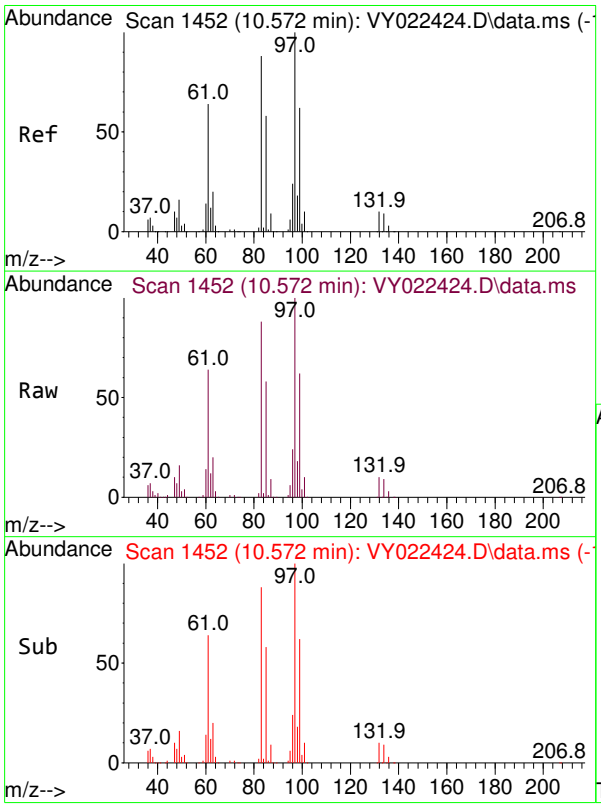


#54
cis-1,3-Dichloropropene
Concen: 49.683 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 75 Resp: 213990

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2
39	53.1	42.5	63.7

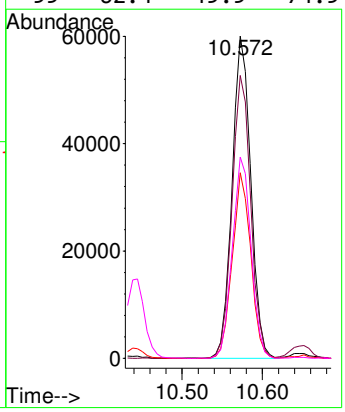




#55
1,1,2-Trichloroethane
Concen: 50.011 ug/l
RT: 10.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 97 Resp: 9676

Ion	Ratio	Lower	Upper
97	100		
83	87.8	70.2	105.4
85	57.6	46.1	69.1
99	62.4	49.9	74.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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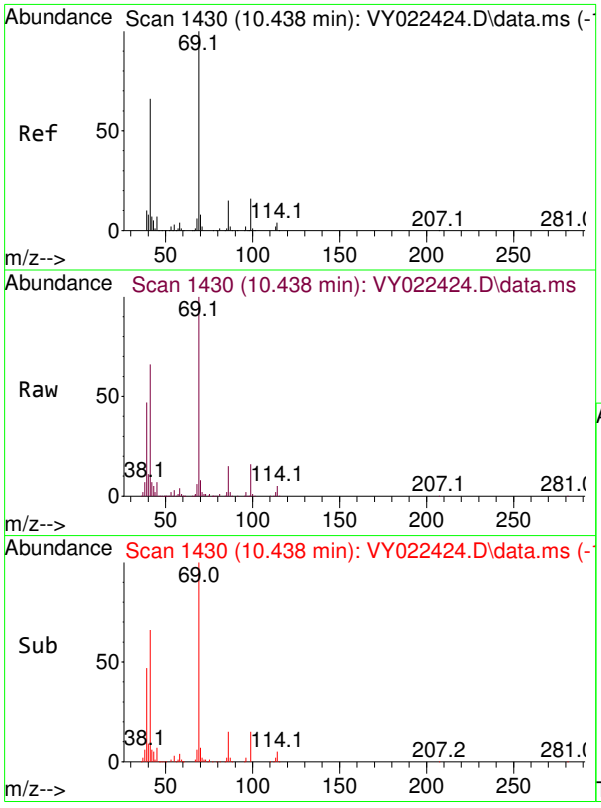
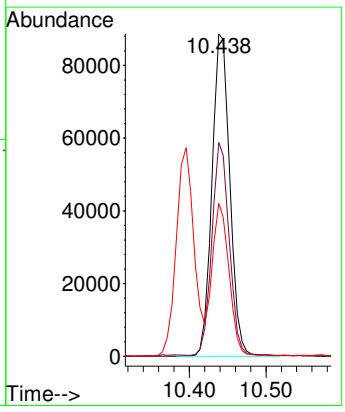
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

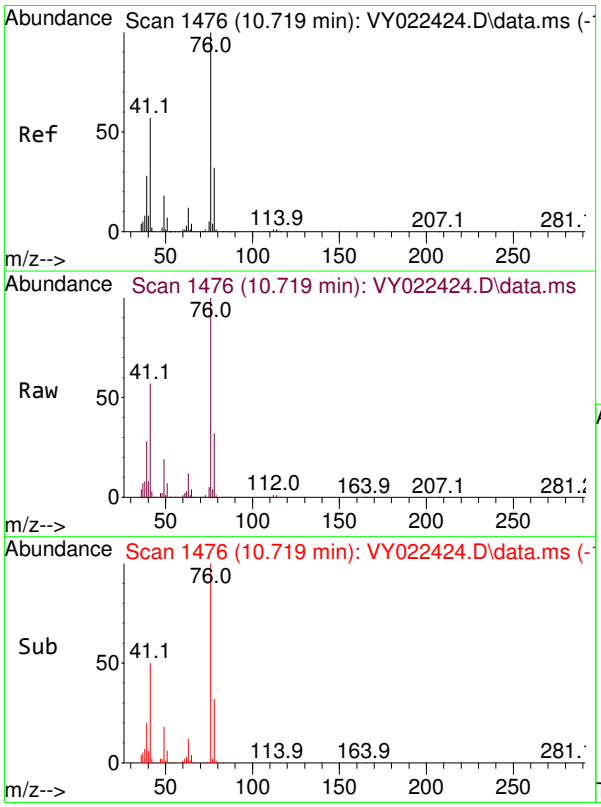


#56
Ethyl methacrylate
Concen: 51.650 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 69 Resp: 143409

Ion	Ratio	Lower	Upper
69	100		
41	64.0	51.2	76.8
39	44.0	35.2	52.8





#57
1,3-Dichloropropane
Concen: 50.093 ug/l
RT: 10.719 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

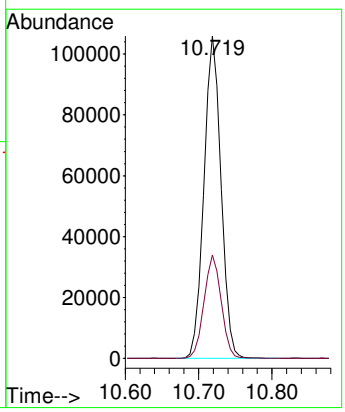
Tgt Ion: 76 Resp: 17079

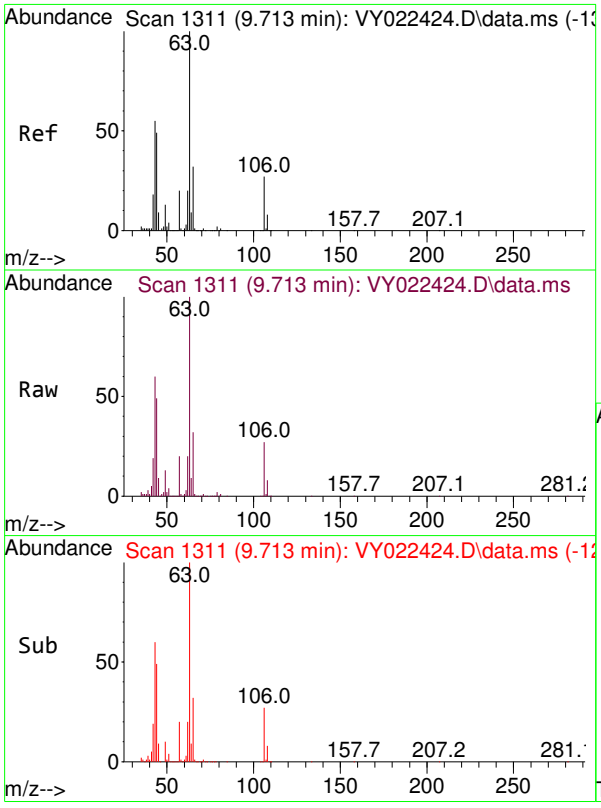
Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

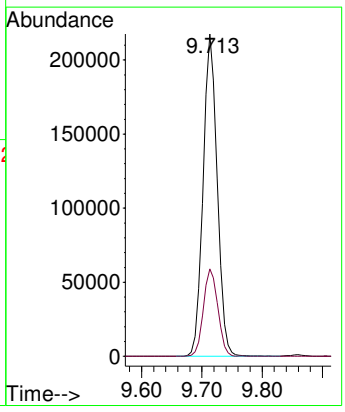


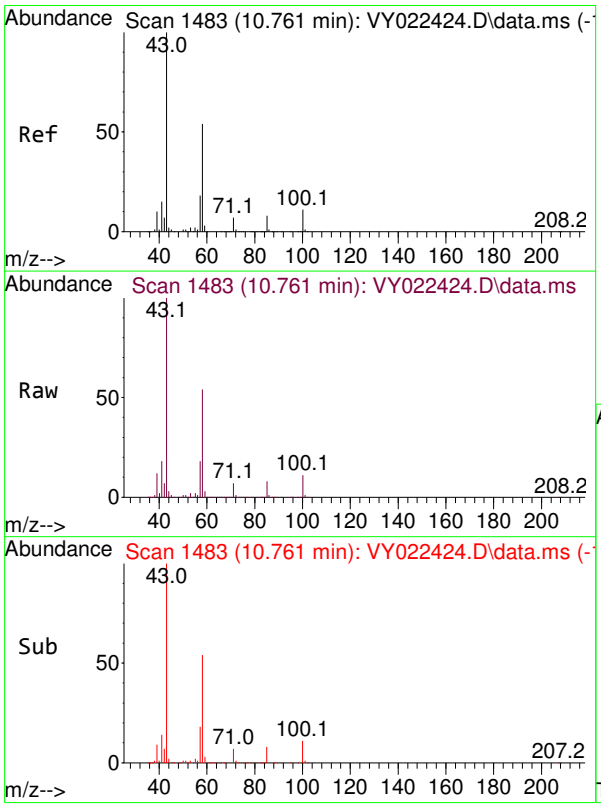


#58
2-Chloroethyl Vinyl ether
Concen: 254.955 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 63 Resp: 352804

Ion	Ratio	Lower	Upper
63	100		
106	27.7	22.2	33.2





#59
2-Hexanone
Concen: 260.045 ug/l
RT: 10.761 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 43 Resp: 30597

Ion	Ratio	Lower	Upper
43	100		
58	54.1	27.1	81.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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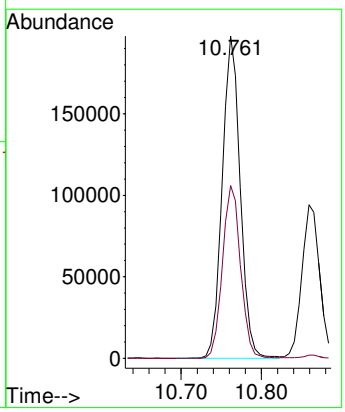
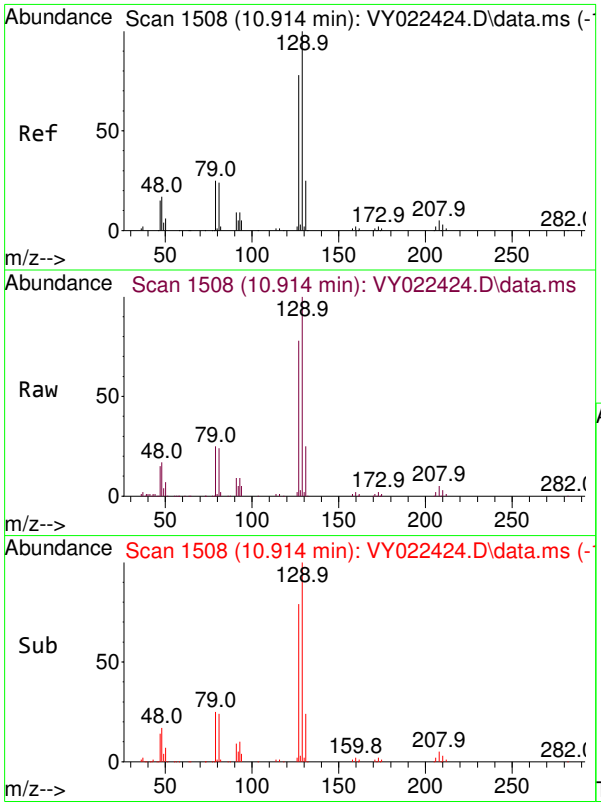
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

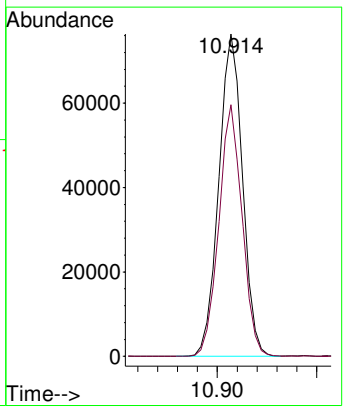


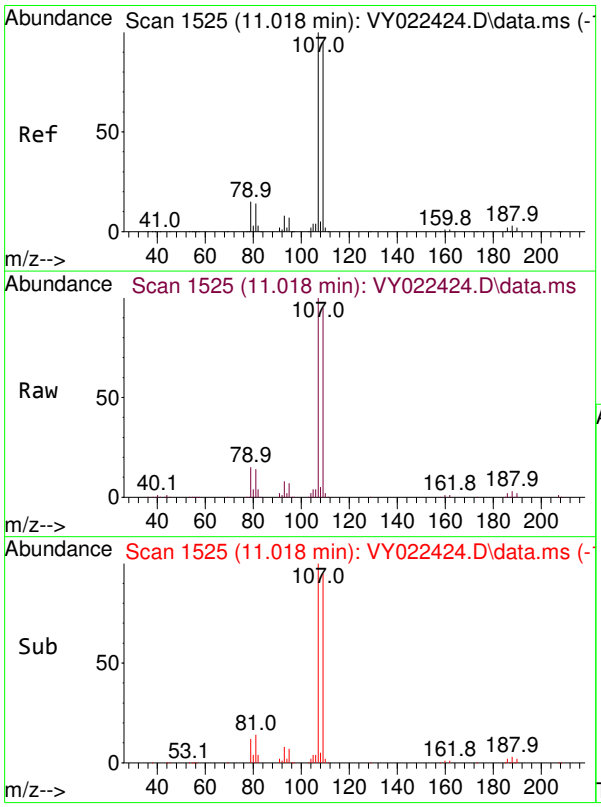


#60
Dibromochloromethane
Concen: 51.479 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:129 Resp: 127232

Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.3	114.8

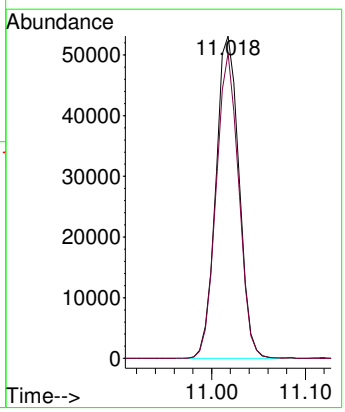




#61
1,2-Dibromoethane
Concen: 51.221 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:107 Resp: 9064

Ion	Ratio	Lower	Upper
107	100		
109	92.5	74.0	111.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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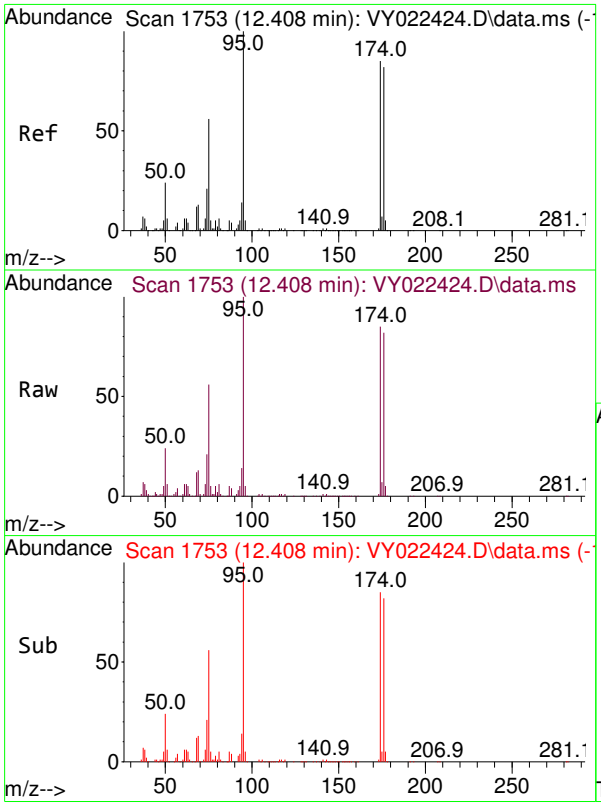
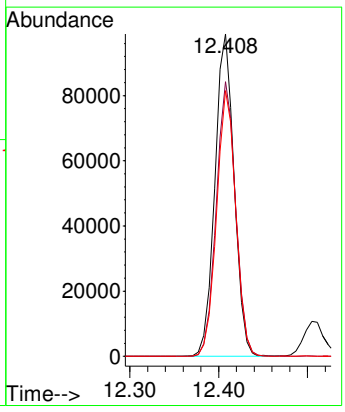
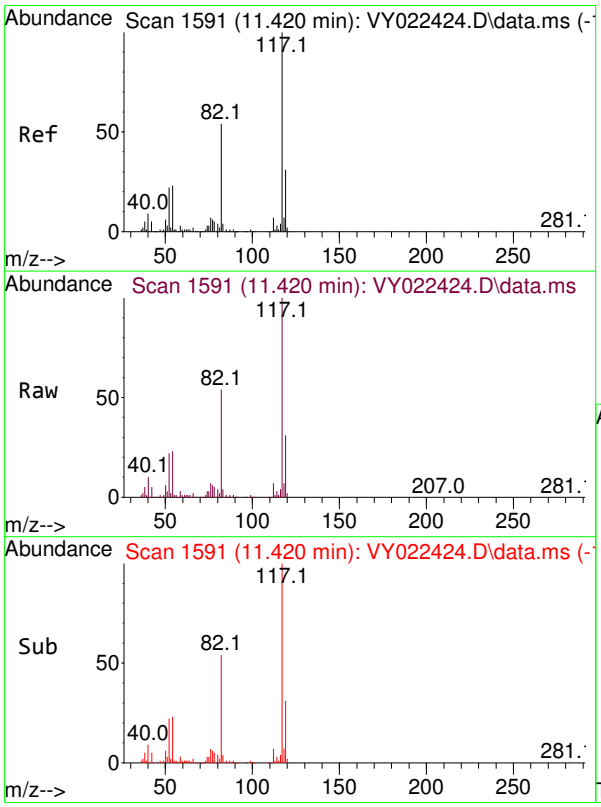


#62
4-Bromofluorobenzene
Concen: 49.160 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 95 Resp: 149686

Ion	Ratio	Lower	Upper
95	100		
174	85.8	0.0	171.6
176	82.3	0.0	164.6

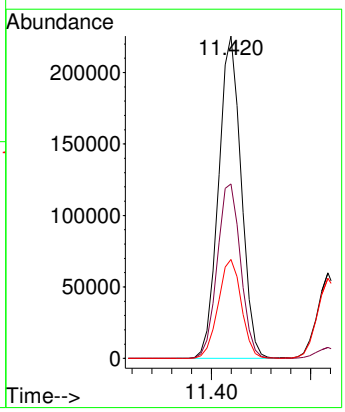




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:117 Resp: 35938

Ion	Ratio	Lower	Upper
117	100		
82	54.1	43.3	64.9
119	30.6	24.5	36.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Amit Patel 05/28/2025
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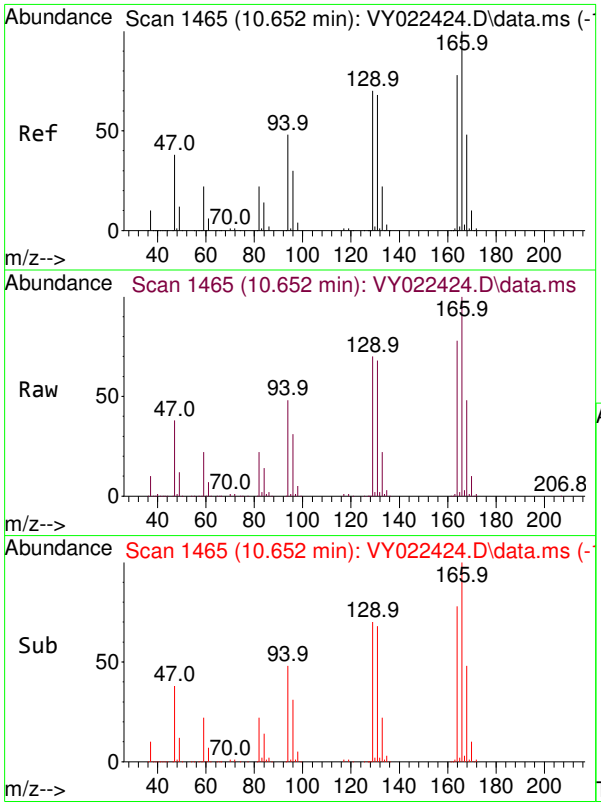
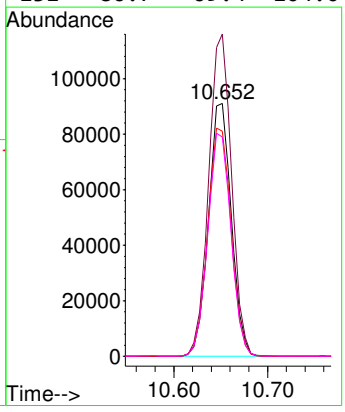
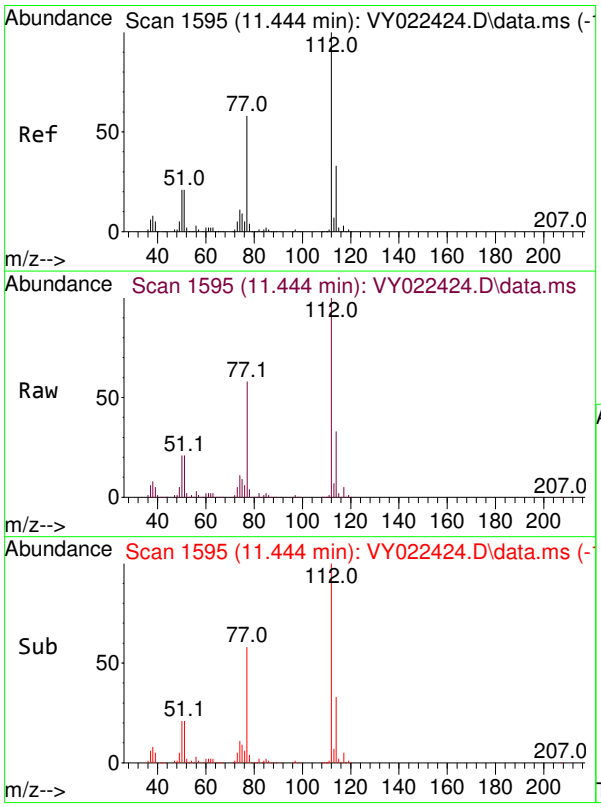


#64
Tetrachloroethene
Concen: 50.371 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:164 Resp: 154172

Ion	Ratio	Lower	Upper
164	100		
166	127.5	102.0	153.0
129	89.1	71.3	106.9
131	86.7	69.4	104.0





#65
Chlorobenzene
Concen: 50.045 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

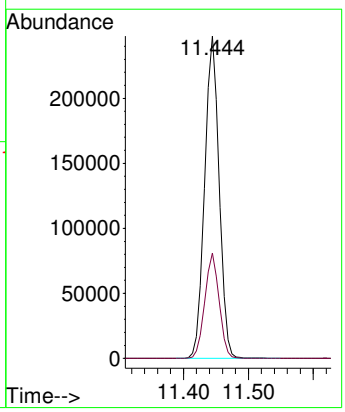
Tgt Ion:112 Resp: 38350

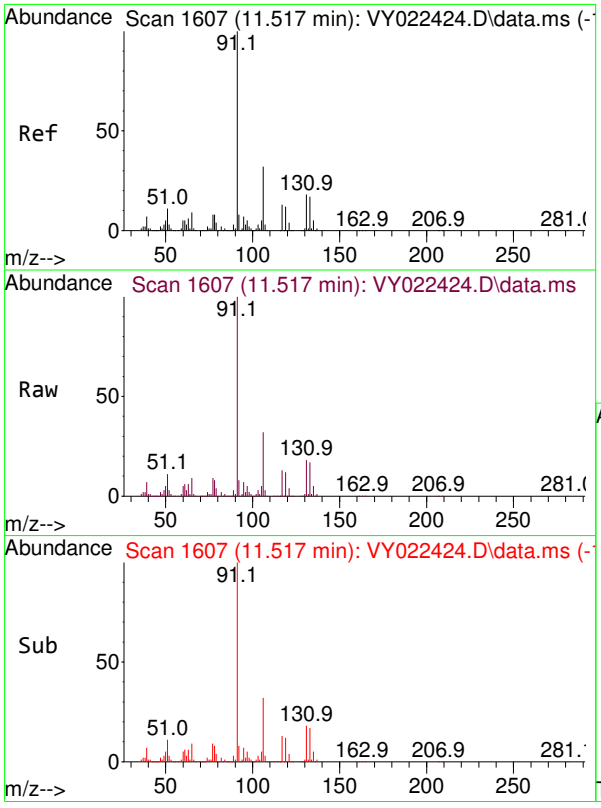
Ion	Ratio	Lower	Upper
112	100		
114	32.6	26.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

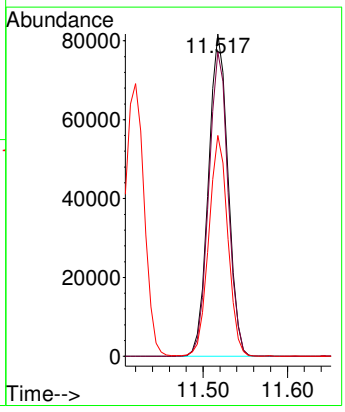


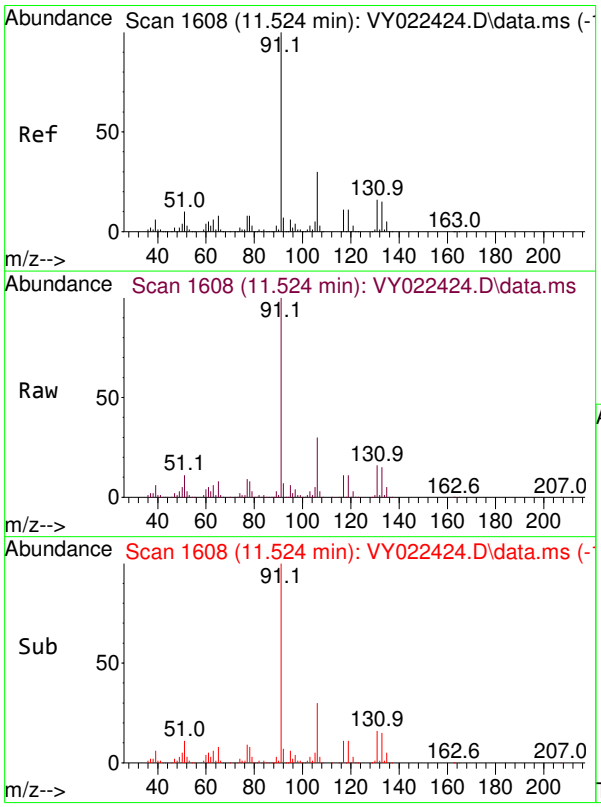


#66
1,1,1,2-Tetrachloroethane
Concen: 51.108 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:131 Resp: 132697

Ion	Ratio	Lower	Upper
131	100		
133	93.2	46.6	139.8
119	66.5	33.3	99.8





#67
Ethyl Benzene
Concen: 50.007 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

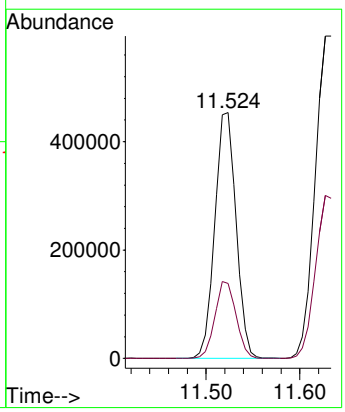
Tgt Ion: 91 Resp: 71155

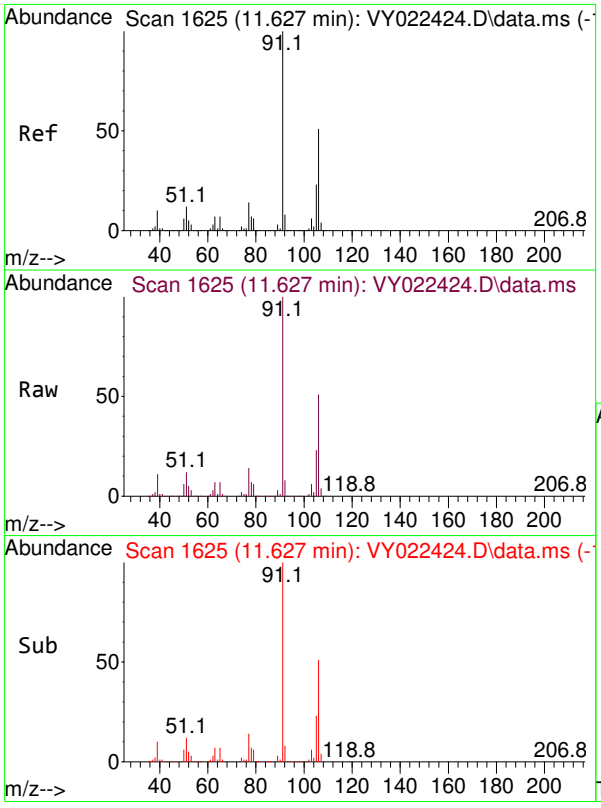
Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.4	36.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

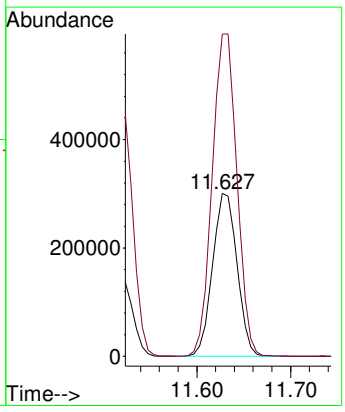


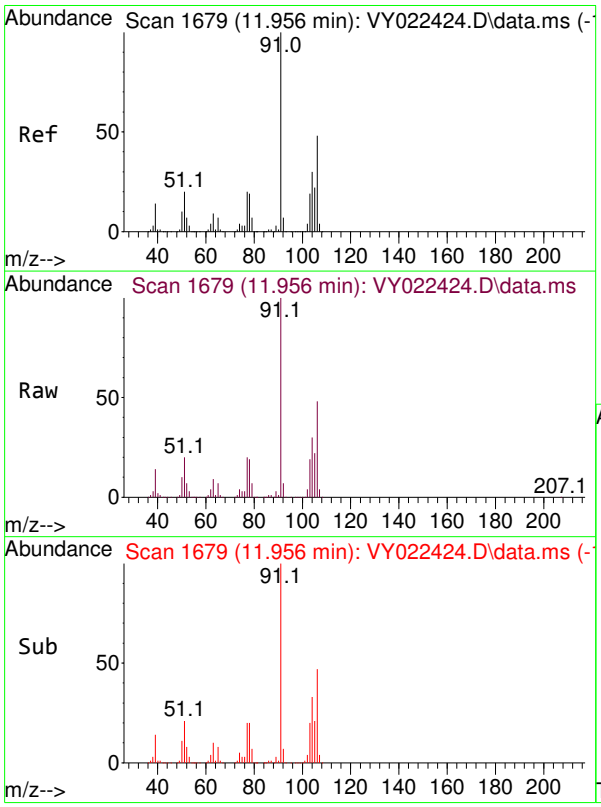


#68
m/p-Xylenes
Concen: 100.776 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:106 Resp: 543665

Ion	Ratio	Lower	Upper
106	100		
91	199.8	159.8	239.8





#69
o-Xylene
Concen: 50.270 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:106 Resp: 25488

Ion	Ratio	Lower	Upper
106	100		
91	212.6	106.3	318.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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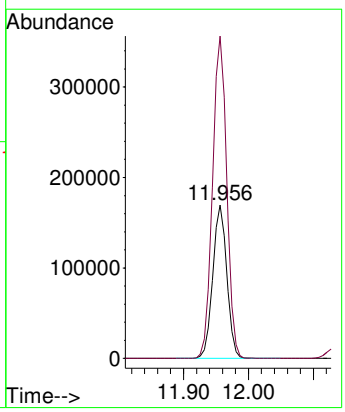
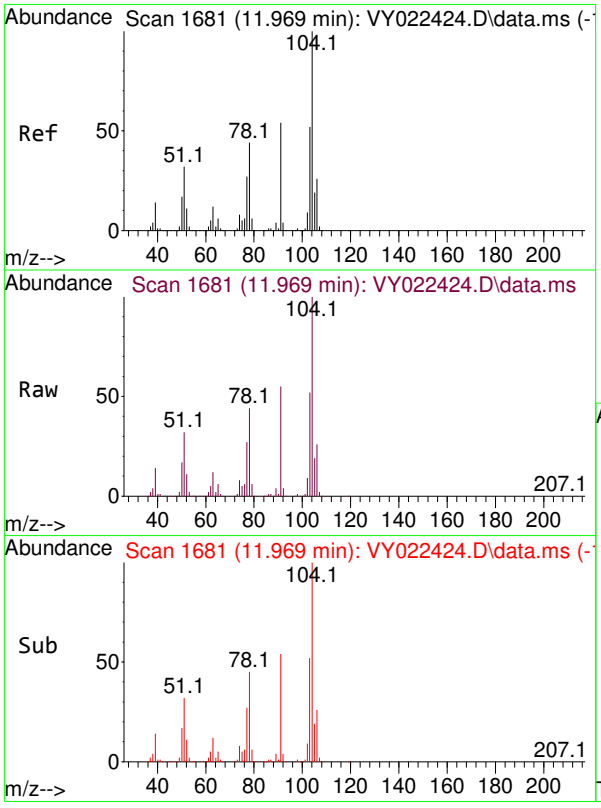
Supervised By :Mahesh Dadoda 05/28/2025

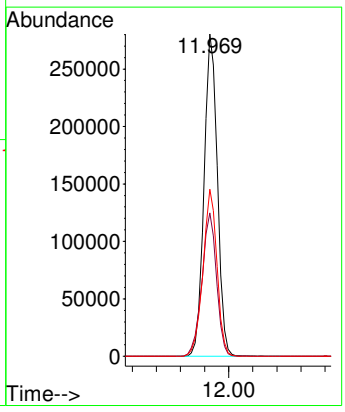


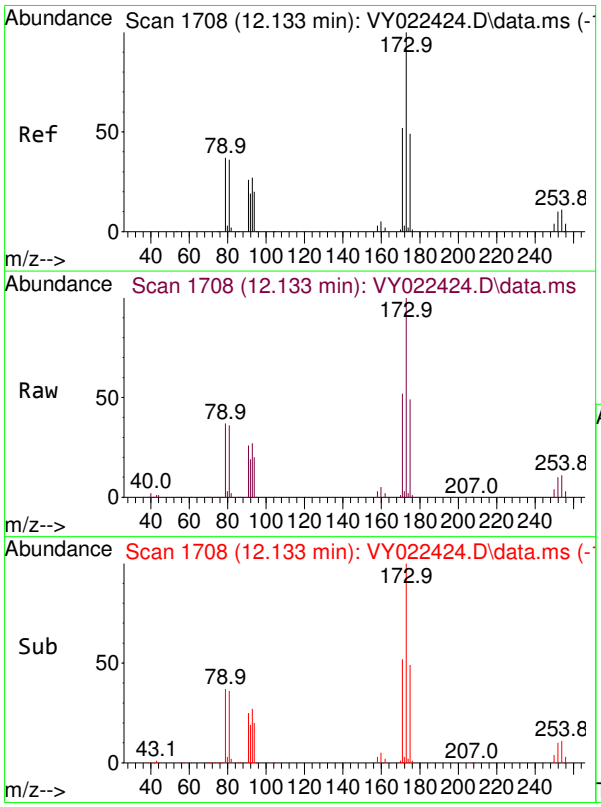


#70
Styrene
Concen: 50.969 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:104 Resp: 430304

Ion	Ratio	Lower	Upper
104	100		
78	48.5	38.8	58.2
103	54.3	43.4	65.2

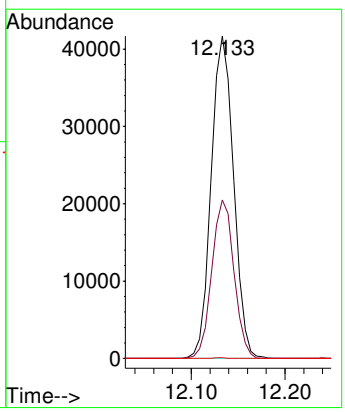




#71
Bromoform
Concen: 50.626 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:173 Resp: 6885

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	73.0
254	0.1	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Amit Patel 05/28/2025
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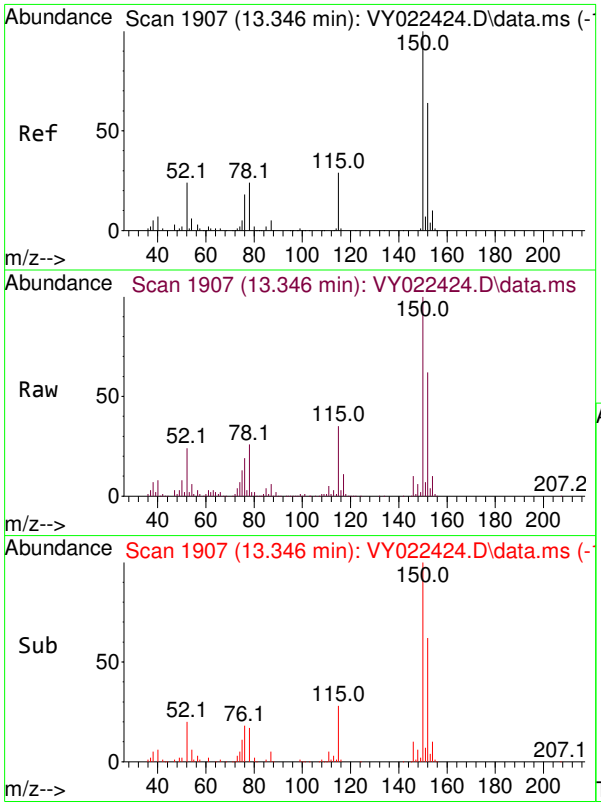
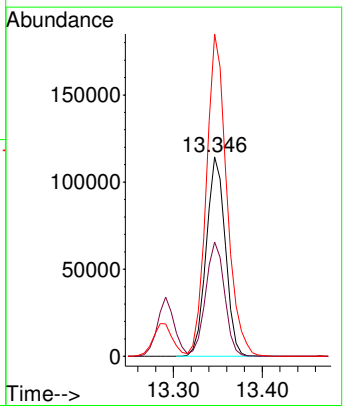
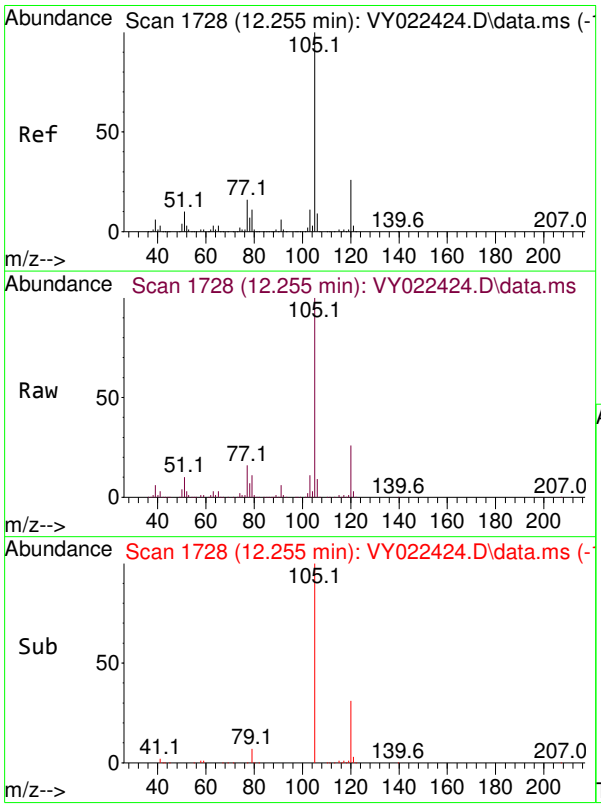


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:152 Resp: 170568

Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.4	85.3
150	172.9	0.0	345.8





#73
Isopropylbenzene
Concen: 49.183 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:105 Resp: 66024

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
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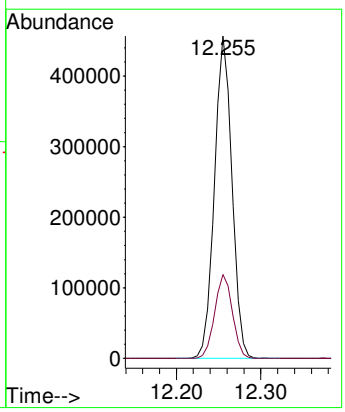
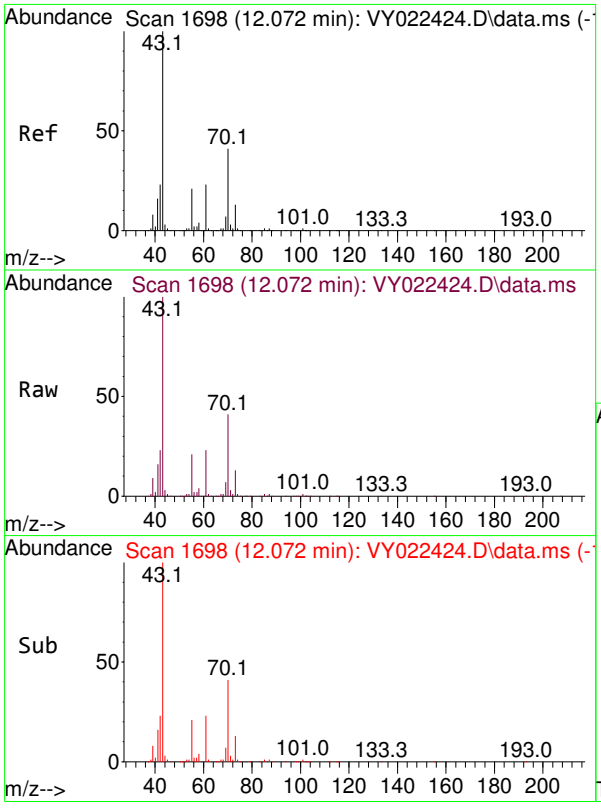
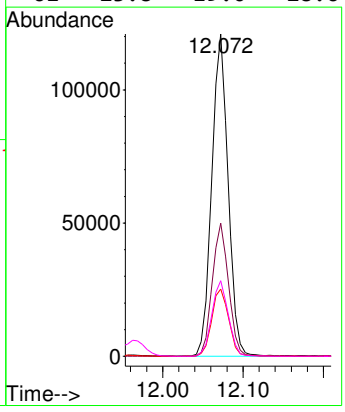


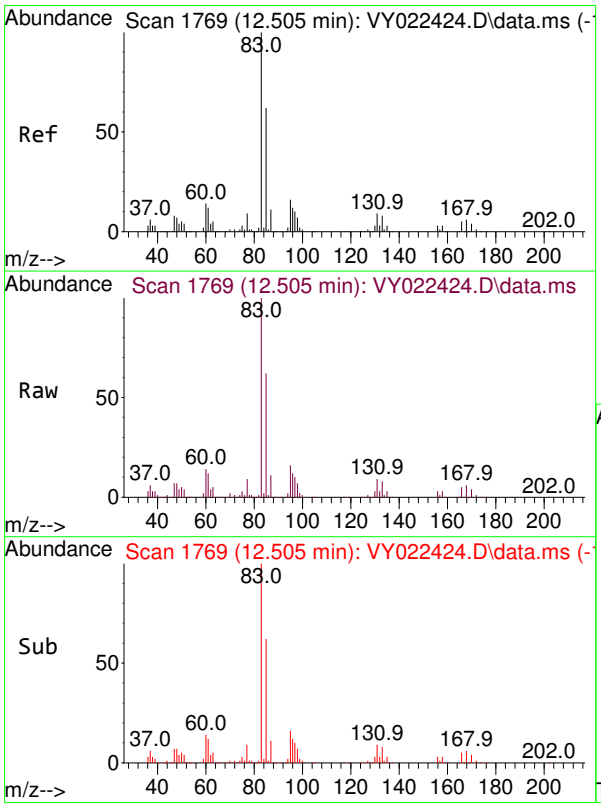


#74
N-amyl acetate
Concen: 51.919 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 43 Resp: 170547

Ion	Ratio	Lower	Upper
43	100		
70	41.2	33.0	49.4
55	21.9	17.5	26.3
61	23.8	19.0	28.6





#75
1,1,2,2-Tetrachloroethane
Concen: 49.575 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

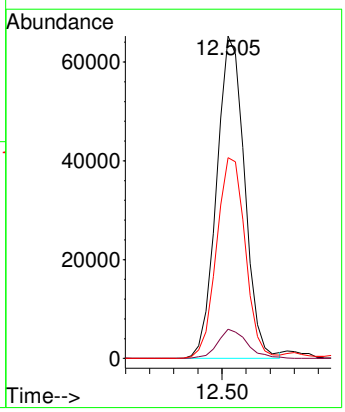
Tgt Ion: 83 Resp: 10485

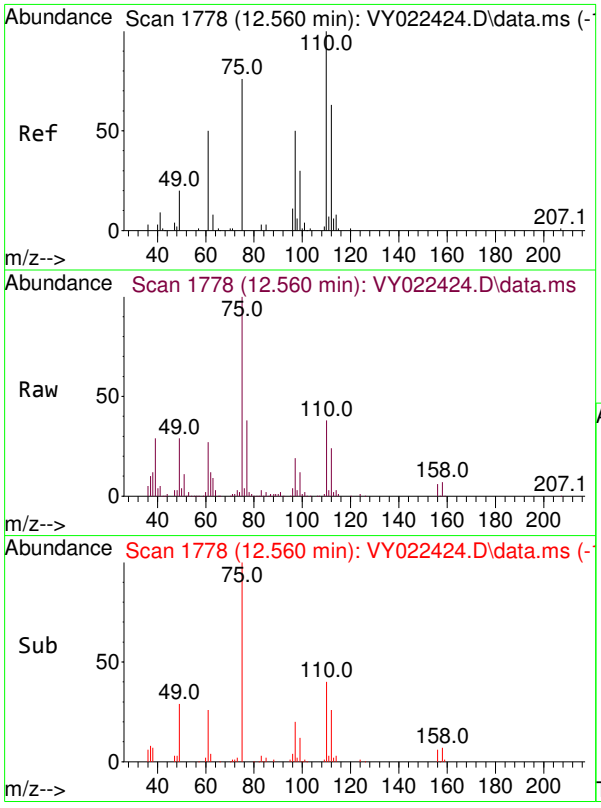
Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	64.1	32.0	96.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

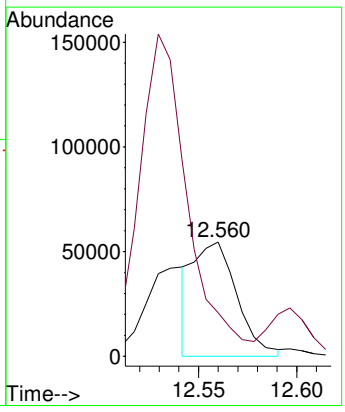


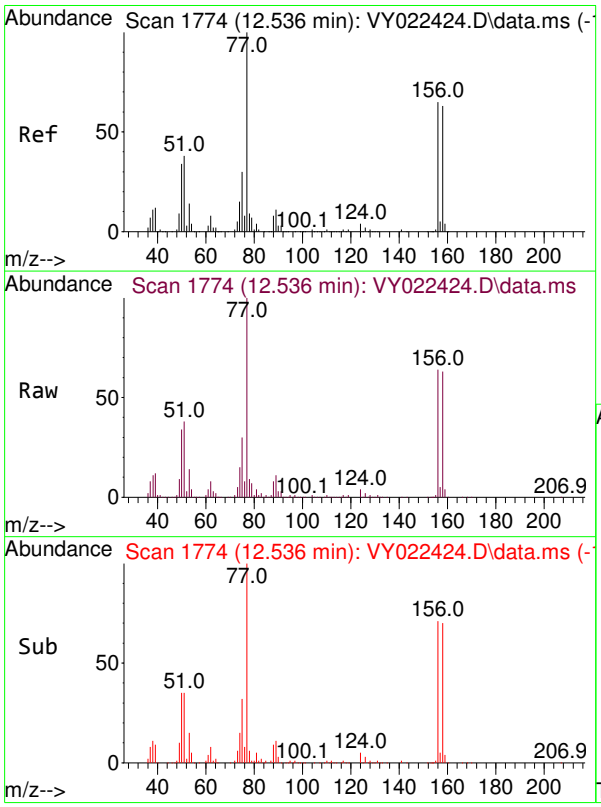


#76
1,2,3-Trichloropropane
Concen: 29.820 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 75 Resp: 83801

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 50.230 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:156 Resp: 14510

Ion	Ratio	Lower	Upper
156	100		
77	182.8	91.4	274.2
158	96.2	48.1	144.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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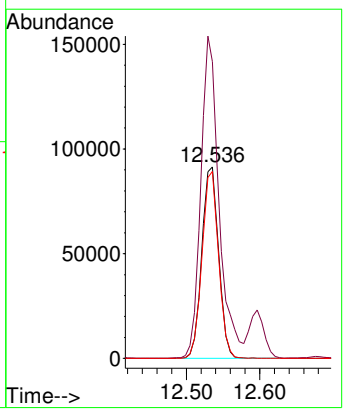
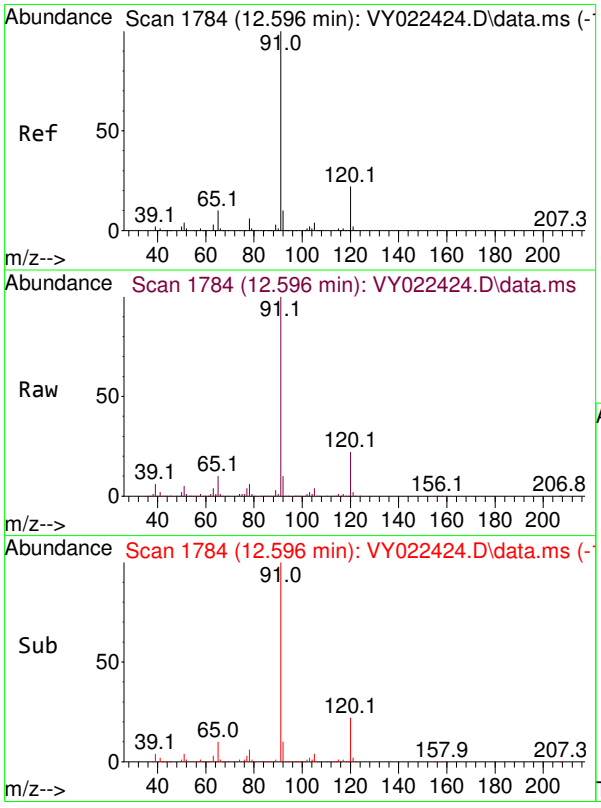
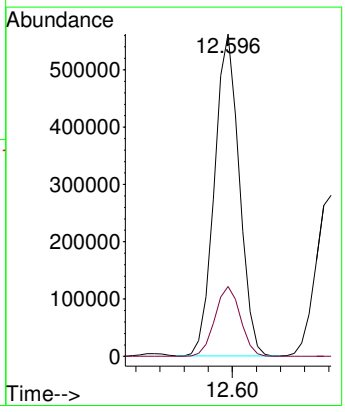


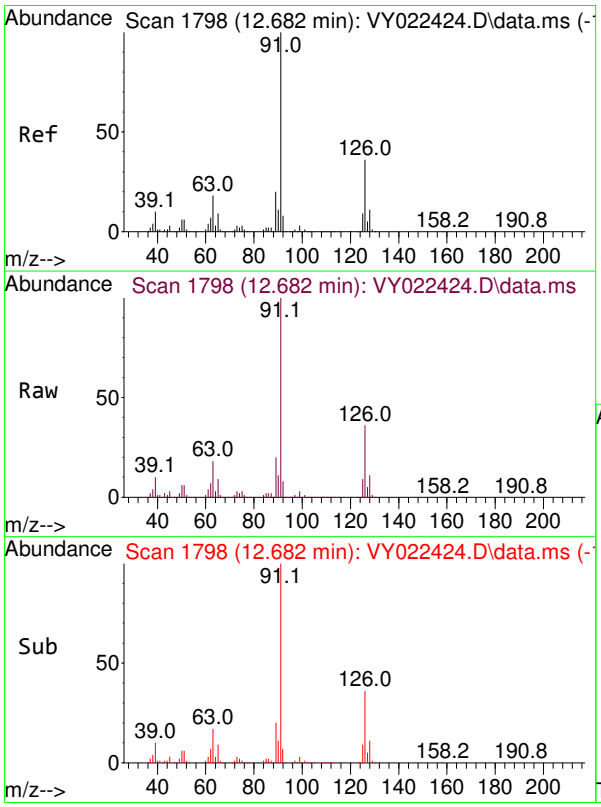


#78
n-propylbenzene
Concen: 49.859 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 91 Resp: 803233

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.5





#79
2-Chlorotoluene
Concen: 49.254 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 91 Resp: 42953

Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.4	52.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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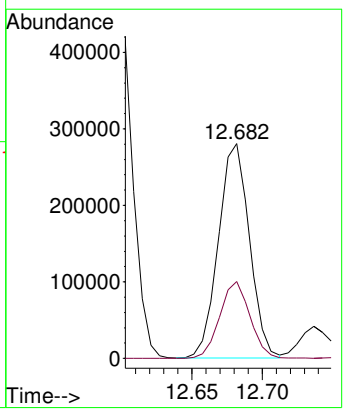
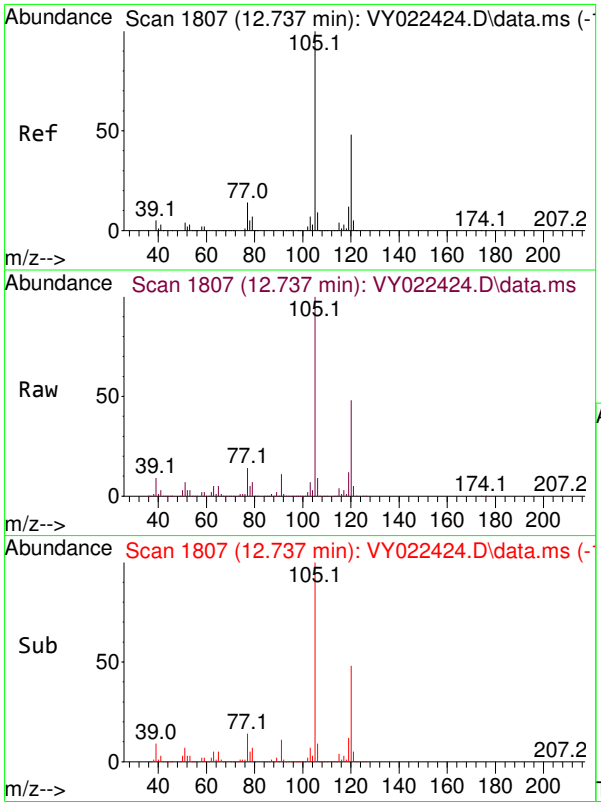
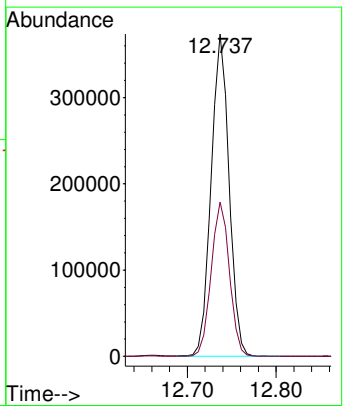


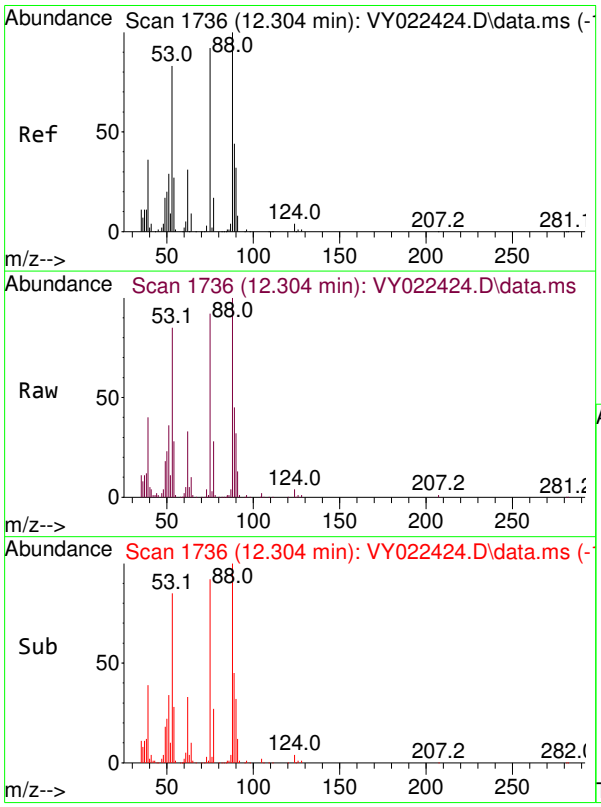


#80
1,3,5-Trimethylbenzene
Concen: 50.070 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:105 Resp: 525186

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 48.597 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 75 Resp: 3671

Ion	Ratio	Lower	Upper
75	100		
53	93.9	75.1	112.7
89	46.7	37.4	56.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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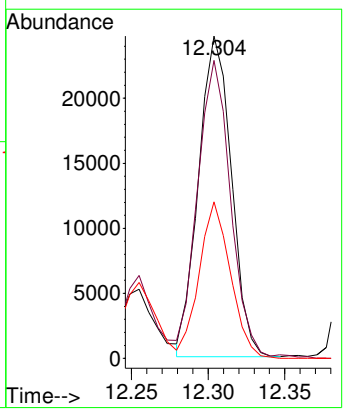
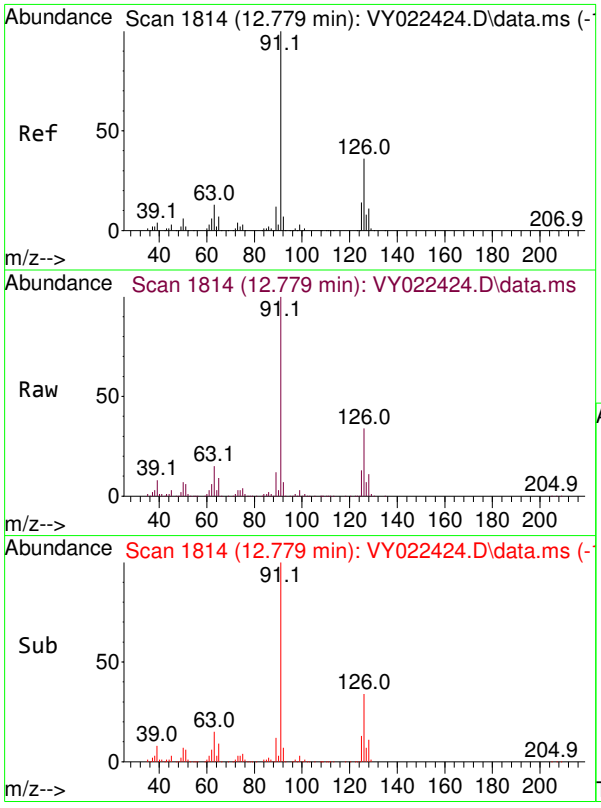
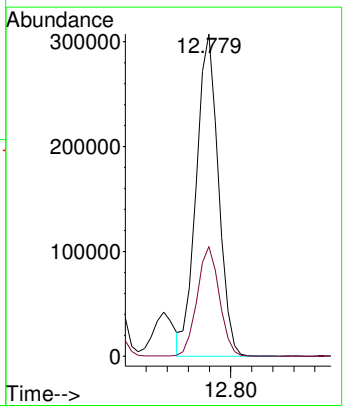


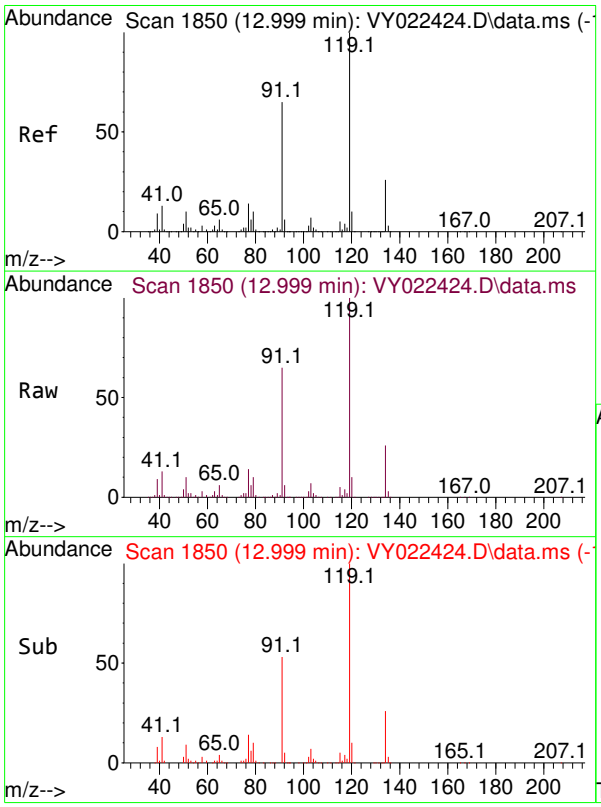


#82
4-Chlorotoluene
Concen: 49.734 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 91 Resp: 446697

Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.2	51.6





#83
tert-Butylbenzene
Concen: 49.598 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:119 Resp: 47002

Ion	Ratio	Lower	Upper
119	100		
91	63.5	31.8	95.3
134	25.9	13.0	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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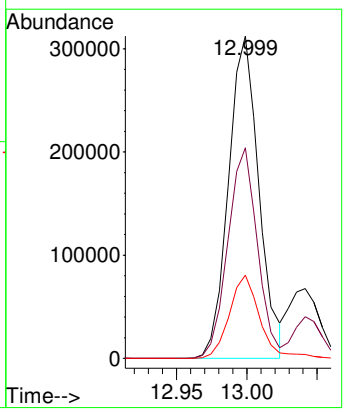
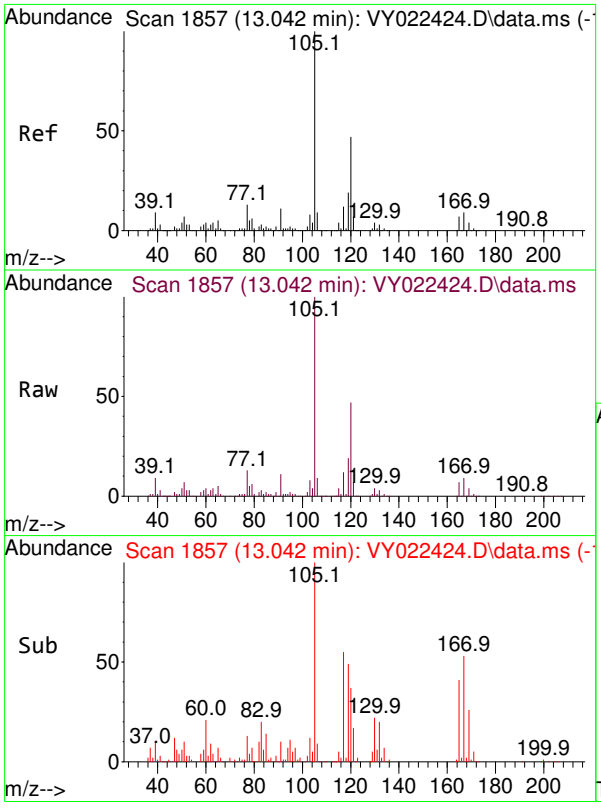
Supervised By :Mahesh Dadoda 05/28/2025

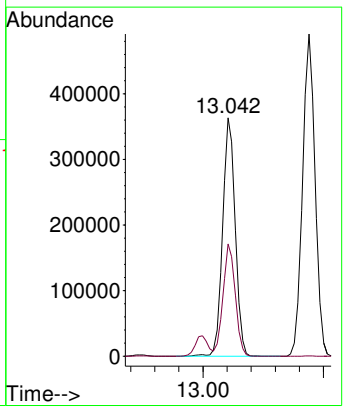


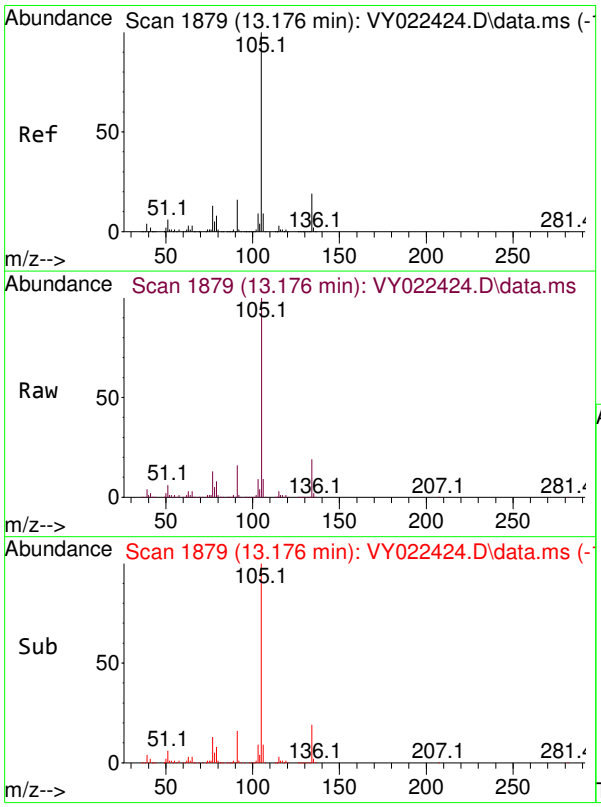


#84
1,2,4-Trimethylbenzene
Concen: 50.324 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:105 Resp: 531189

Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.9	68.5





#85
sec-Butylbenzene
Concen: 50.266 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

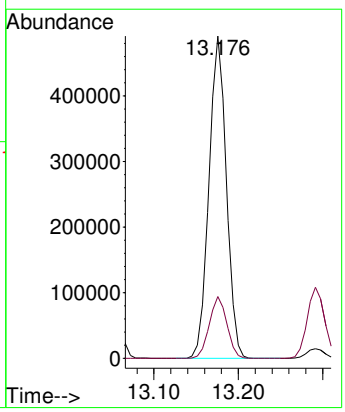
Tgt Ion:105 Resp: 70645

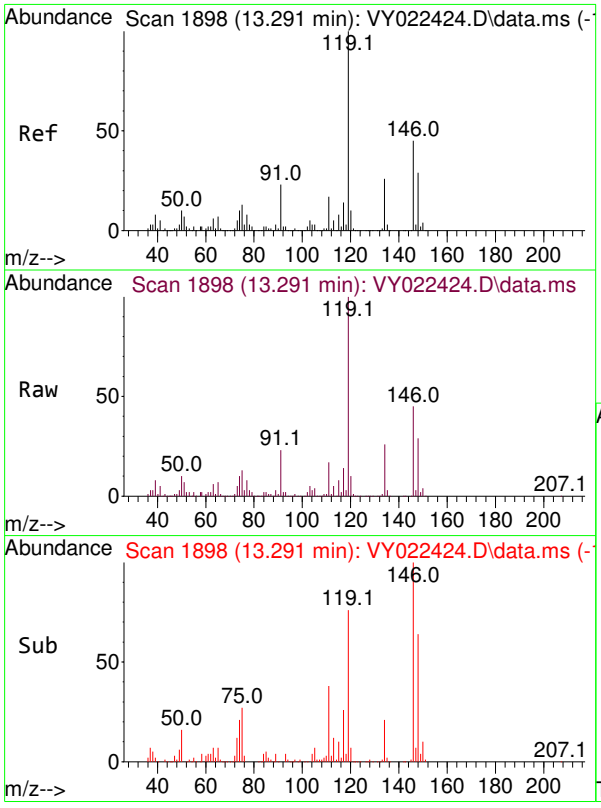
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	29.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

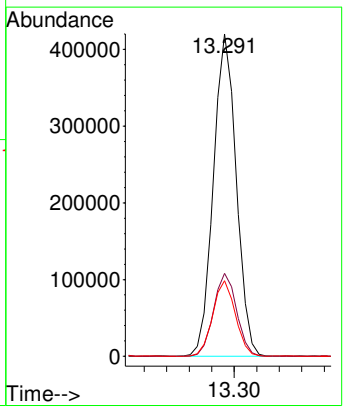


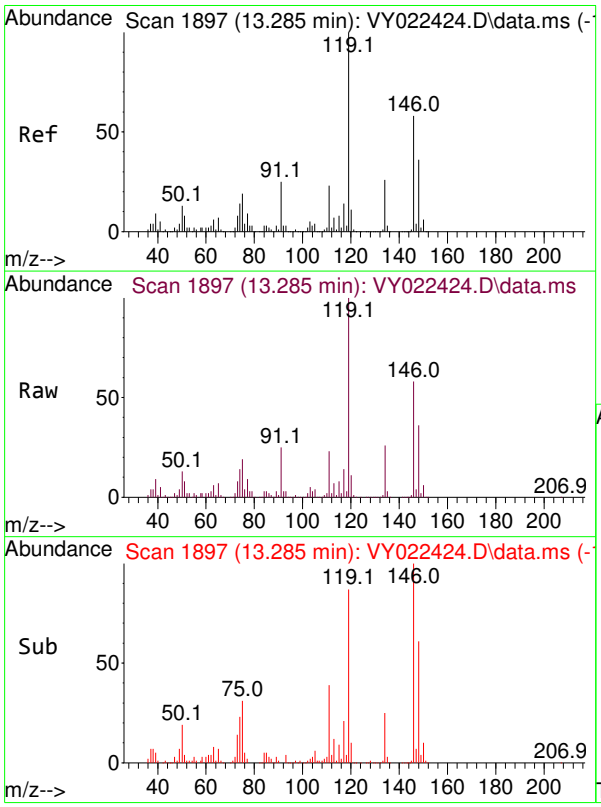


#86
p-Isopropyltoluene
Concen: 50.450 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:119 Resp: 592083

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	39.0
91	23.2	11.6	34.8





#87
1,3-Dichlorobenzene
Concen: 49.731 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

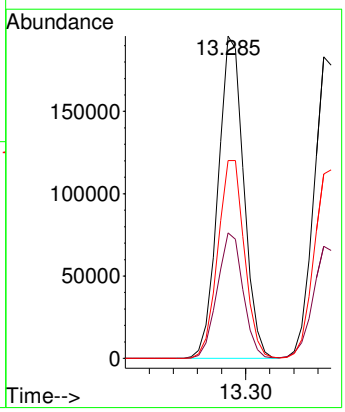
Tgt Ion:146 Resp: 28907

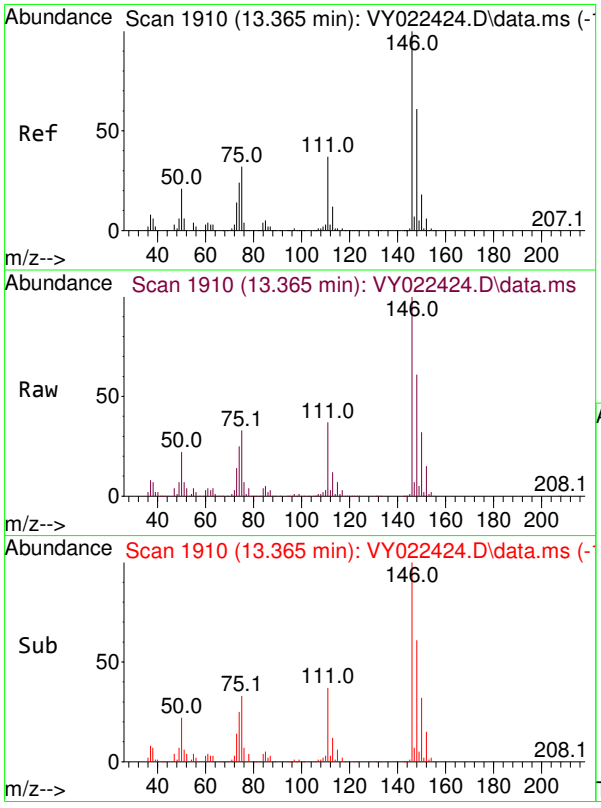
Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.8
148	63.4	31.7	95.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

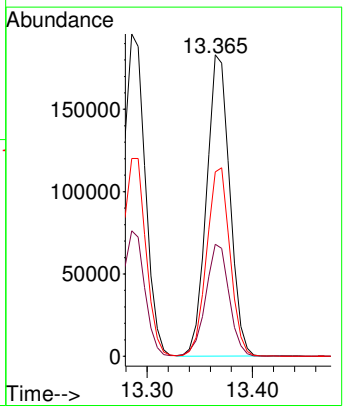


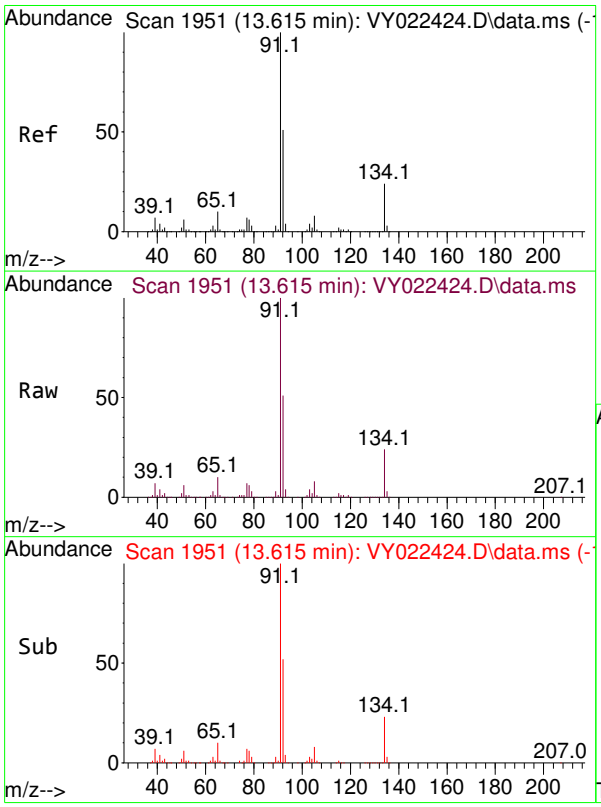


#88
1,4-Dichlorobenzene
Concen: 50.380 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:146 Resp: 280006

Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.7	56.1
148	62.9	31.4	94.3





#89
n-Butylbenzene
Concen: 51.626 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

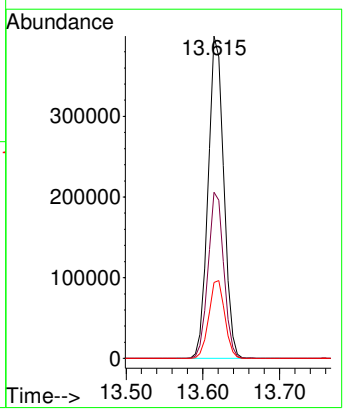
Tgt Ion: 91 Resp: 56808

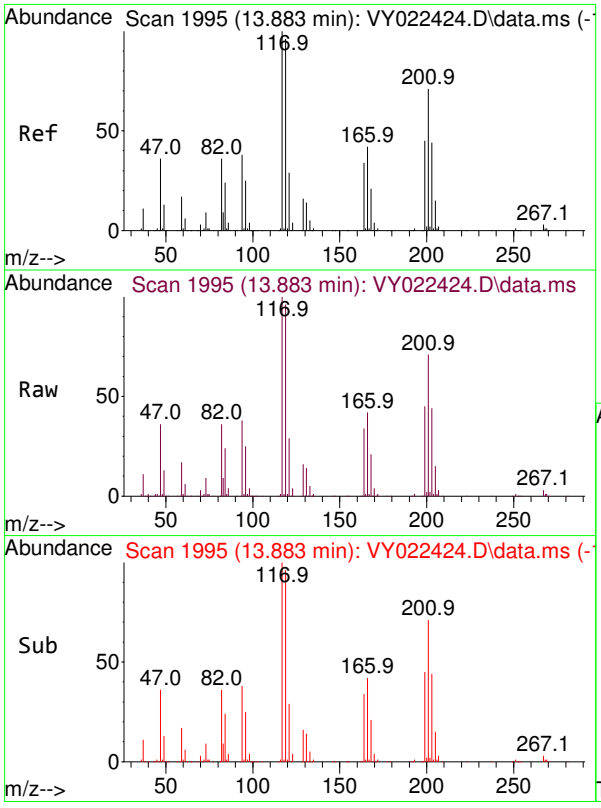
Ion	Ratio	Lower	Upper
91	100		
92	51.7	25.9	77.6
134	24.7	12.4	37.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

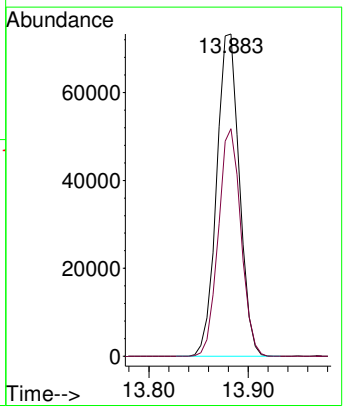


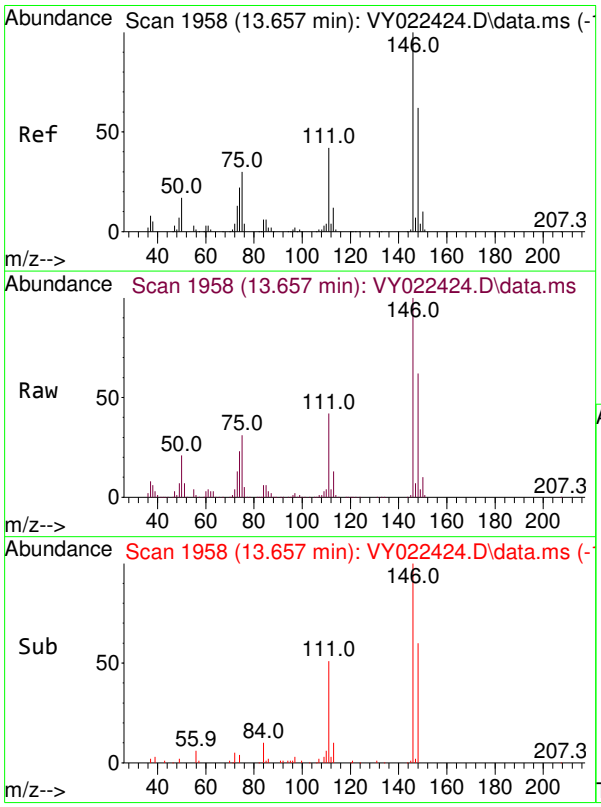


#90
Hexachloroethane
Concen: 50.287 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:117 Resp: 117444

Ion	Ratio	Lower	Upper
117	100		
201	70.0	35.0	105.0

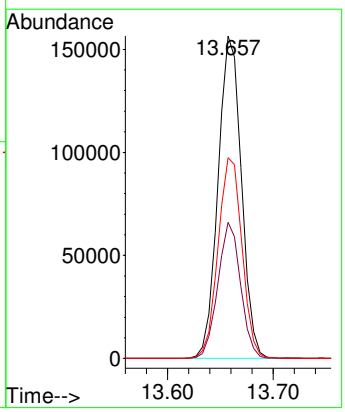




#91
1,2-Dichlorobenzene
Concen: 49.756 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:146 Resp: 24156

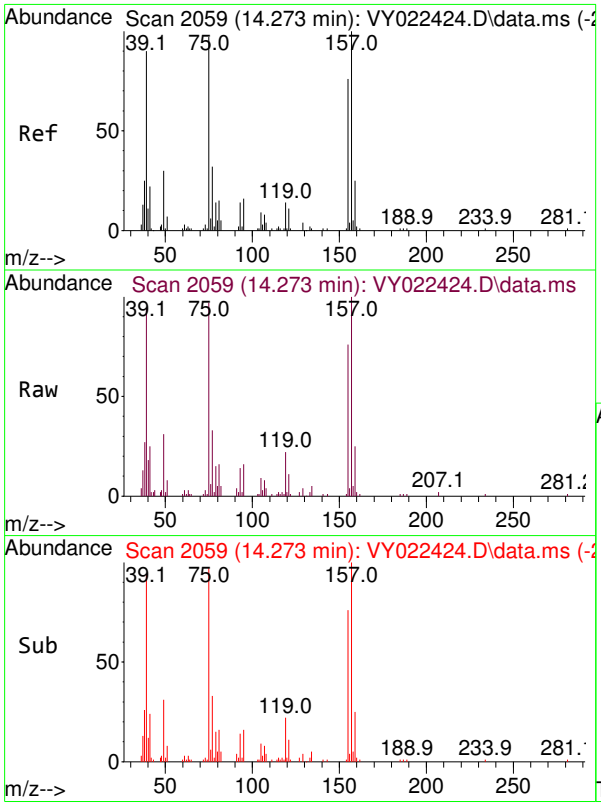
Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.5	61.6
148	63.9	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

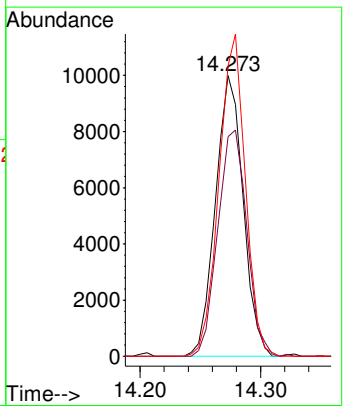
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

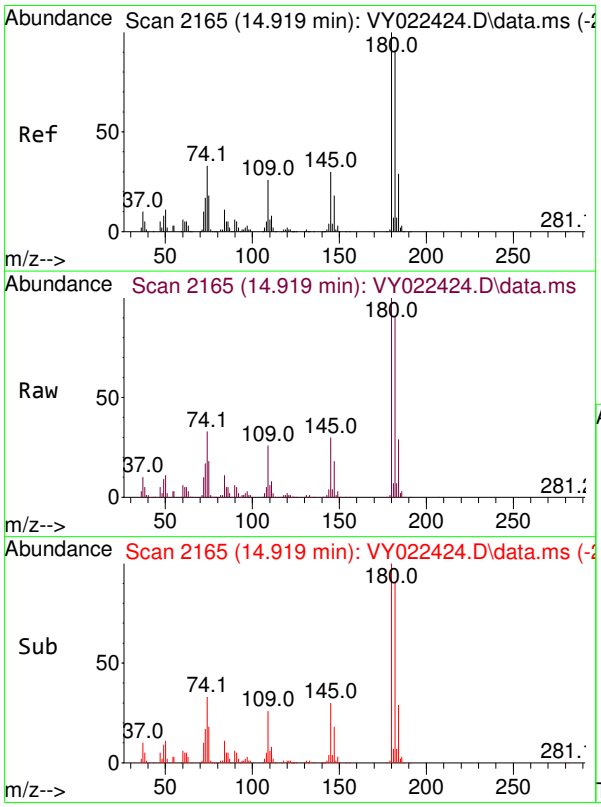


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.741 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion: 75 Resp: 15930

Ion	Ratio	Lower	Upper
75	100		
155	84.5	42.3	126.8
157	108.9	54.4	163.3

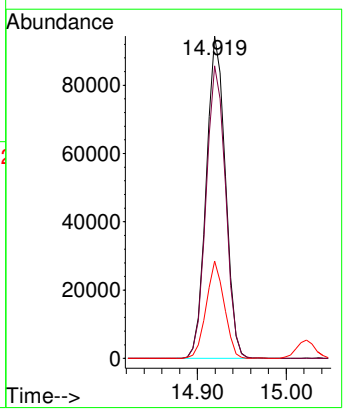




#93
1,2,4-Trichlorobenzene
Concen: 52.462 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:180 Resp: 14120

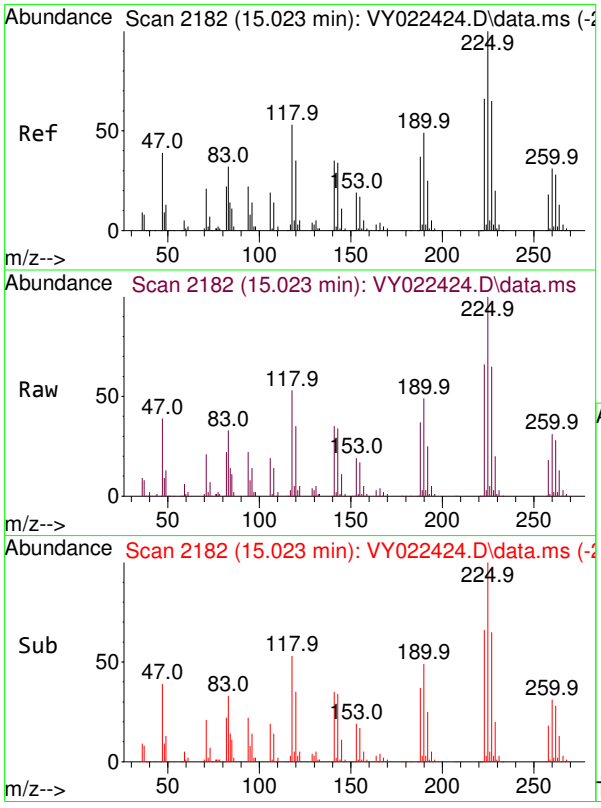
Ion	Ratio	Lower	Upper
180	100		
182	92.4	46.2	138.6
145	28.5	14.2	42.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

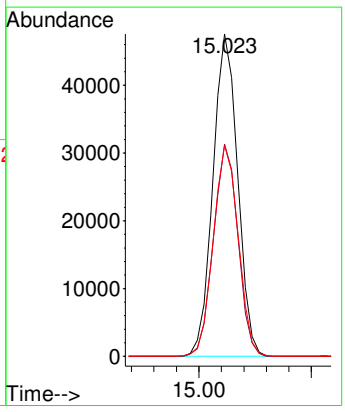
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

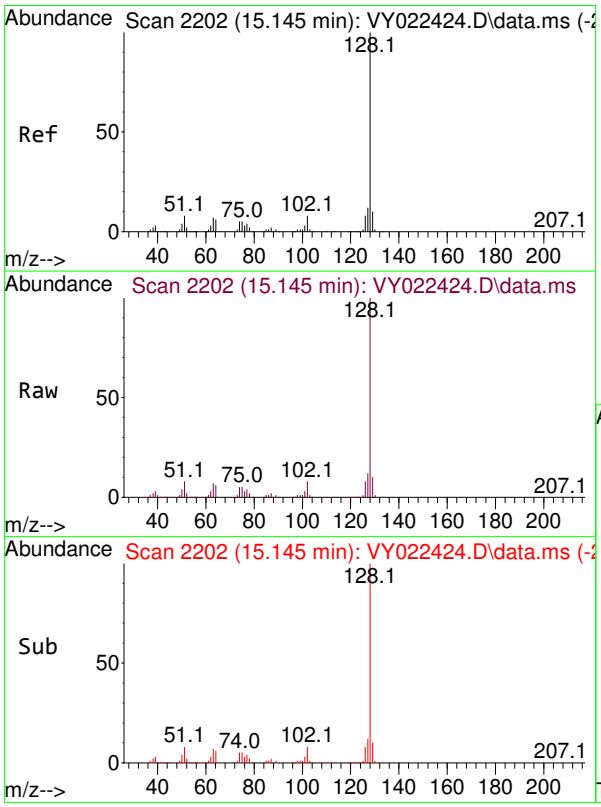


#94
Hexachlorobutadiene
Concen: 51.250 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:225 Resp: 72391

Ion	Ratio	Lower	Upper
225	100		
223	65.1	32.6	97.7
227	66.0	33.0	99.0

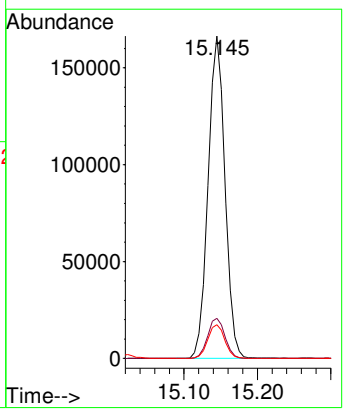




#95
Naphthalene
Concen: 53.269 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:128 Resp: 26505

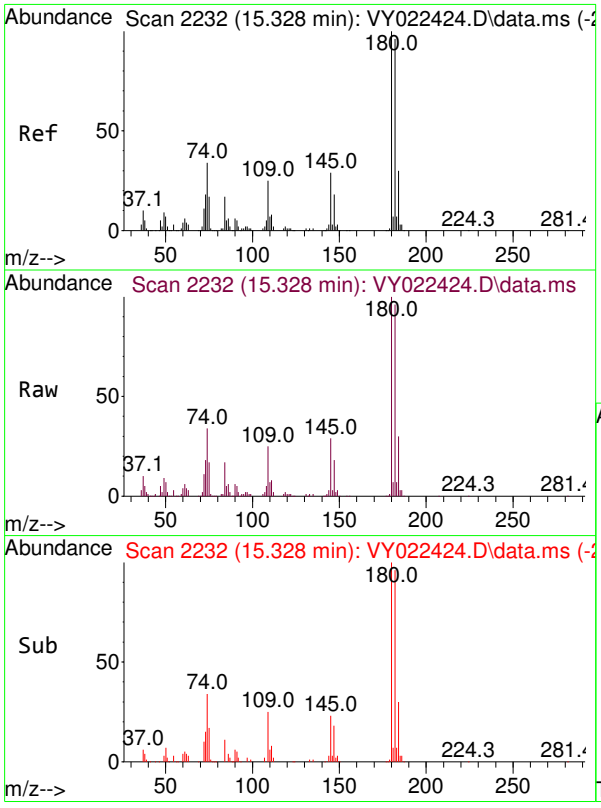
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.6	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

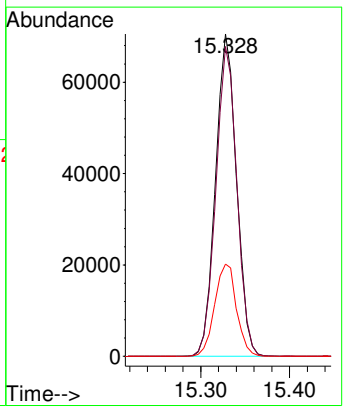
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 52.826 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022424.D
Acq: 27 May 2025 09:59

Tgt Ion:180 Resp: 116609

Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.1	144.3
145	29.7	14.9	44.5



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022425.D
Acq On : 27 May 2025 10:22
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 10:00:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	254497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	420045	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	364148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	175436	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	275425	102.746	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 205.500%#			
35) Dibromofluoromethane	7.640	113	259880	105.646	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 211.300%#			
50) Toluene-d8	10.109	98	1070243	106.726	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 213.460%#			
62) 4-Bromofluorobenzene	12.408	95	321108	105.861	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 211.720%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	219107	90.239	ug/l	99
3) Chloromethane	2.074	50	476625	79.803	ug/l	99
4) Vinyl Chloride	2.208	62	657774	90.657	ug/l	97
5) Bromomethane	2.592	94	617342	93.629	ug/l	98
6) Chloroethane	2.739	64	461685	97.376	ug/l	100
7) Trichlorofluoromethane	3.056	101	604374	98.726	ug/l	99
8) Diethyl Ether	3.458	74	144974	102.707	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	266284	99.149	ug/l	99
10) Methyl Iodide	4.007	142	338872	111.841	ug/l	100
11) Tert butyl alcohol	4.872	59	96979	513.234	ug/l	99
12) 1,1-Dichloroethene	3.793	96	264638	99.249	ug/l	98
13) Acrolein	3.659	56	149071	526.536	ug/l	100
14) Allyl chloride	4.391	41	407614	101.625	ug/l	98
15) Acrylonitrile	5.068	53	299369	526.172	ug/l	99
16) Acetone	3.879	43	219178	497.574	ug/l #	88
17) Carbon Disulfide	4.110	76	851273	100.043	ug/l	100
18) Methyl Acetate	4.391	43	178729	108.317	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	735411	103.886	ug/l	99
20) Methylene Chloride	4.623	84	279934	89.995	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	296339	101.801	ug/l	97
22) Diisopropyl ether	6.025	45	906611	102.415	ug/l	99
23) Vinyl Acetate	5.964	43	2634055	518.224	ug/l	99
24) 1,1-Dichloroethane	5.921	63	540724	103.372	ug/l	99
25) 2-Butanone	6.903	43	386768	527.215	ug/l	100
26) 2,2-Dichloropropane	6.890	77	482308	101.829	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	348023	103.273	ug/l	99
28) Bromochloromethane	7.250	49	223498	102.322	ug/l	99
29) Tetrahydrofuran	7.268	42	254076	519.309	ug/l	99
30) Chloroform	7.427	83	535360	103.866	ug/l	99
31) Cyclohexane	7.707	56	481828	93.445	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	484647	103.605	ug/l	99
36) 1,1-Dichloropropene	7.841	75	405555	103.896	ug/l	99
37) Ethyl Acetate	6.988	43	174471	105.171	ug/l	99
38) Carbon Tetrachloride	7.823	117	428817	105.456	ug/l	99
39) Methylcyclohexane	9.110	83	536153	103.329	ug/l	98
40) Benzene	8.085	78	1229435	105.848	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022425.D
Acq On : 27 May 2025 10:22
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 10:00:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	107407	49.194	ug/l		94
42) 1,2-Dichloroethane	8.165	62	321758	104.887	ug/l		99
43) Isopropyl Acetate	8.201	43	385296	106.287	ug/l		100
44) Trichloroethene	8.866	130	300293	104.583	ug/l		97
45) 1,2-Dichloropropane	9.146	63	286982	105.160	ug/l		98
46) Dibromomethane	9.231	93	160779	105.464	ug/l		99
47) Bromodichloromethane	9.427	83	413821	105.558	ug/l		96
48) Methyl methacrylate	9.225	41	181931	108.116	ug/l		100
49) 1,4-Dioxane	9.231	88	36343	2158.331	ug/l		96
51) 4-Methyl-2-Pentanone	10.000	43	995669	556.674	ug/l		99
52) Toluene	10.176	92	780350	107.563	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	396365	108.544	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	460876	107.411	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	204326	106.007	ug/l		97
56) Ethyl methacrylate	10.439	69	306772	110.908	ug/l		98
57) 1,3-Dichloropropane	10.719	76	359684	105.893	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	770988	559.284	ug/l		100
59) 2-Hexanone	10.762	43	660980	563.900	ug/l		98
60) Dibromochloromethane	10.914	129	268919	109.221	ug/l		99
61) 1,2-Dibromoethane	11.018	107	187723	106.485	ug/l		98
64) Tetrachloroethene	10.652	164	312696	100.828	ug/l		98
65) Chlorobenzene	11.444	112	824685	106.209	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	285811	108.640	ug/l		99
67) Ethyl Benzene	11.524	91	1560112	108.210	ug/l		98
68) m/p-Xylenes	11.633	106	1201541	219.811	ug/l		99
69) o-Xylene	11.957	106	559553	108.917	ug/l		100
70) Styrene	11.969	104	959318	112.144	ug/l		99
71) Bromoform	12.133	173	149684	108.623	ug/l	#	100
73) Isopropylbenzene	12.255	105	1440314	104.314	ug/l		100
74) N-amyl acetate	12.072	43	368563	109.087	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	228832	105.191	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	178010m	61.586	ug/l		
77) Bromobenzene	12.536	156	305847	102.933	ug/l		97
78) n-propylbenzene	12.597	91	1737515	104.859	ug/l		100
79) 2-Chlorotoluene	12.682	91	934717	104.209	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	1143145	105.961	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	80556	103.668	ug/l		99
82) 4-Chlorotoluene	12.780	91	972892	105.314	ug/l		100
83) tert-Butylbenzene	12.999	119	1023704	105.025	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	1159943	106.843	ug/l		99
85) sec-Butylbenzene	13.176	105	1528524	105.741	ug/l		99
86) p-Isopropyltoluene	13.292	119	1320591	109.402	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	644184	107.749	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	599095	104.800	ug/l		99
89) n-Butylbenzene	13.621	91	1207976	106.731	ug/l		99
90) Hexachloroethane	13.883	117	251685	104.776	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	524498	105.034	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	32714	97.318	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	295471	106.731	ug/l		98
94) Hexachlorobutadiene	15.023	225	153056	105.350	ug/l		98
95) Naphthalene	15.145	128	568187	111.021	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	246652	108.638	ug/l		98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022425.D
Acq On : 27 May 2025 10:22
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 10:00:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 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

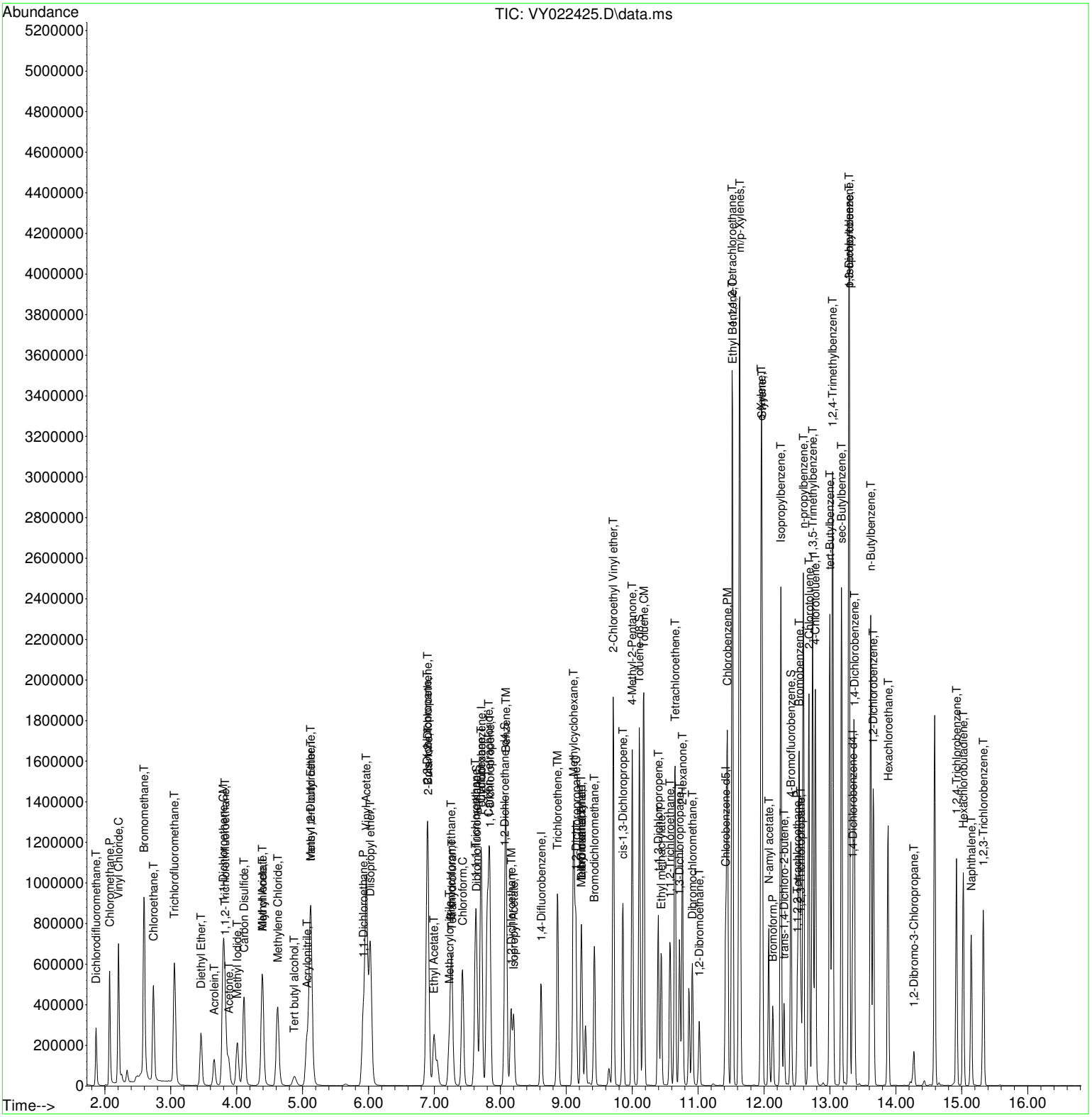
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022425.D
Acq On : 27 May 2025 10:22
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

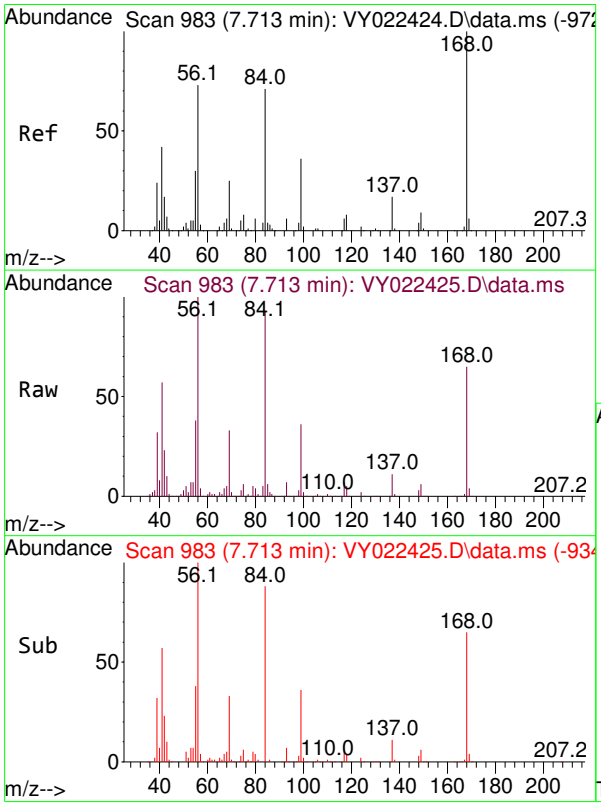
Quant Time: May 28 10:00:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

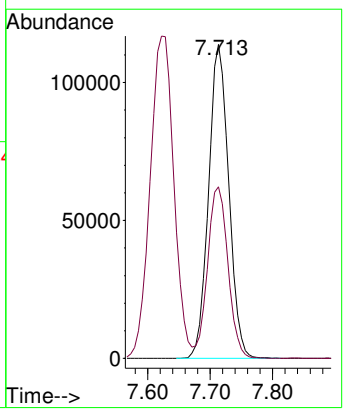




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:168 Resp: 25449

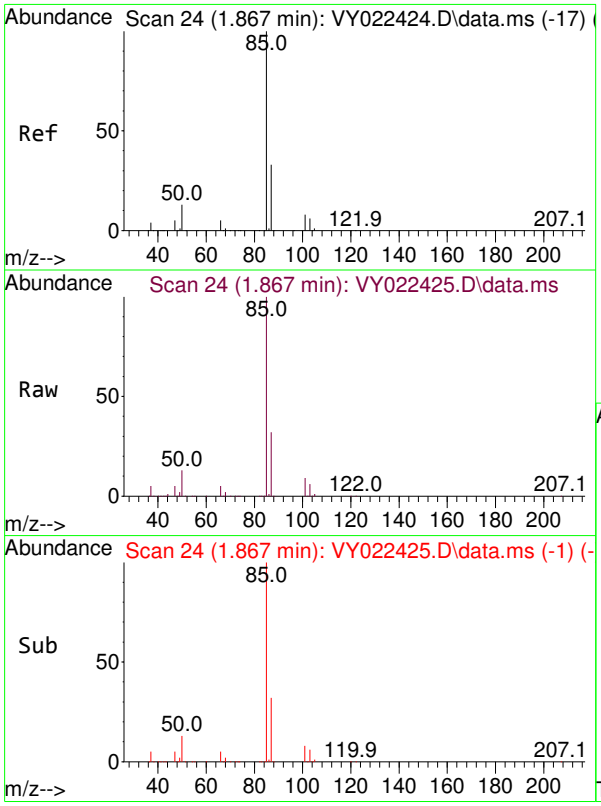
Ion	Ratio	Lower	Upper
168	100		
99	54.7	44.7	67.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

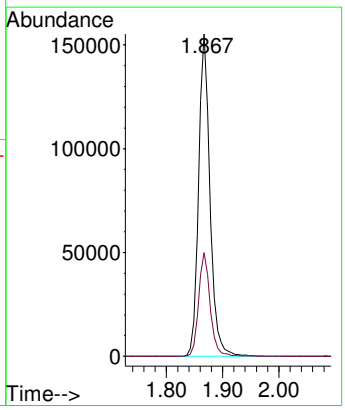
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

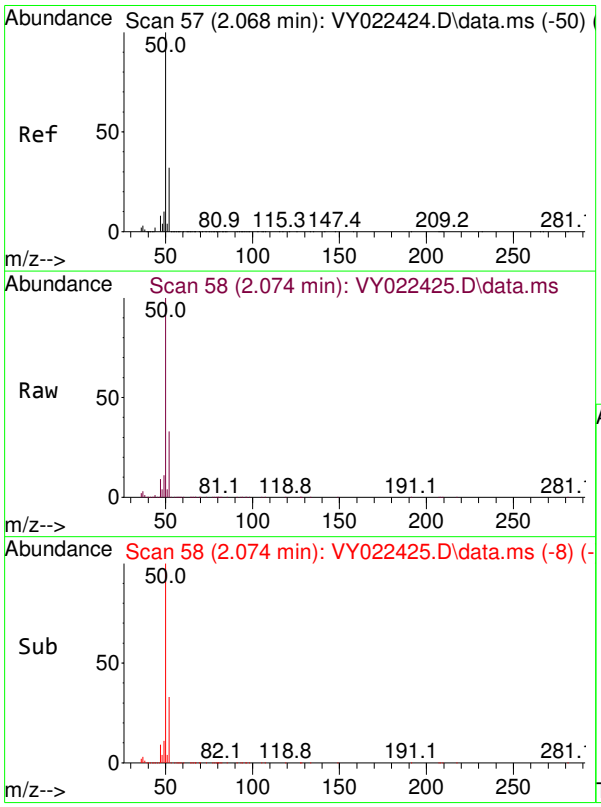


#2
Dichlorodifluoromethane
Concen: 90.239 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 85 Resp: 219107

Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.4	49.2





#3
Chloromethane
Concen: 79.803 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

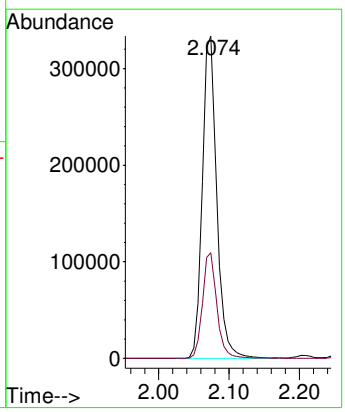
Tgt Ion: 50 Resp: 47662

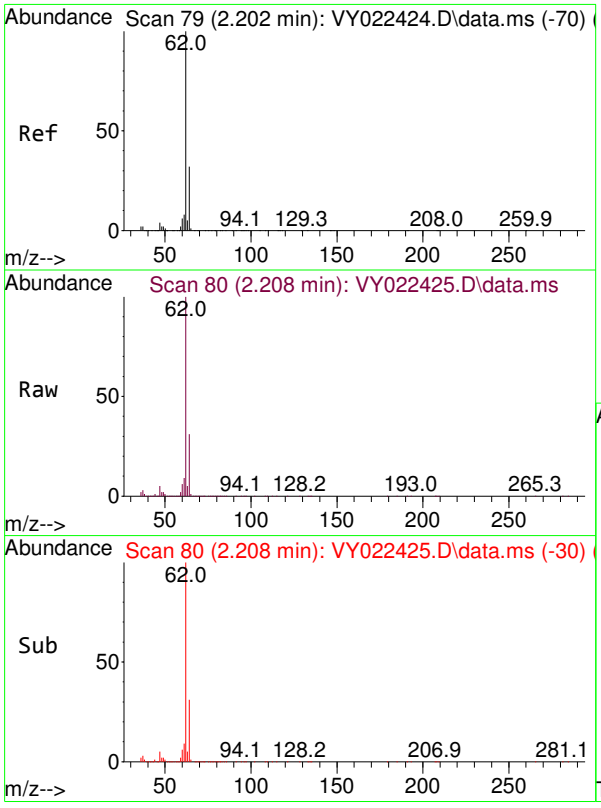
Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.5	38.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

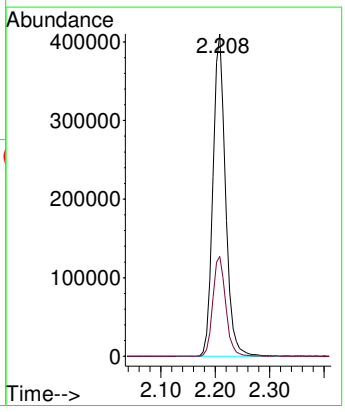


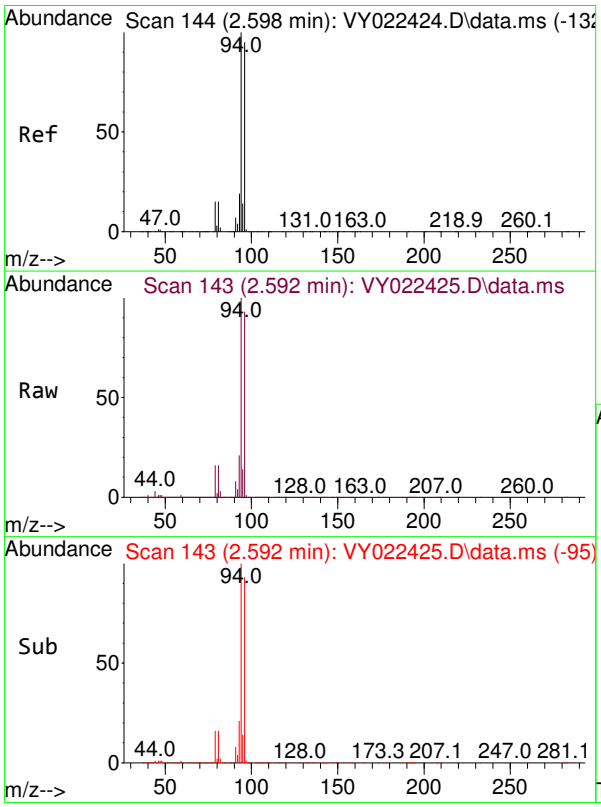


#4
Vinyl Chloride
Concen: 90.657 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 62 Resp: 657774

Ion	Ratio	Lower	Upper
62	100		
64	31.0	26.0	39.0





#5
Bromomethane
Concen: 93.629 ug/l
RT: 2.592 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

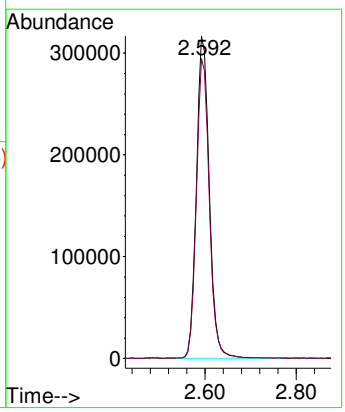
Tgt Ion: 94 Resp: 61734

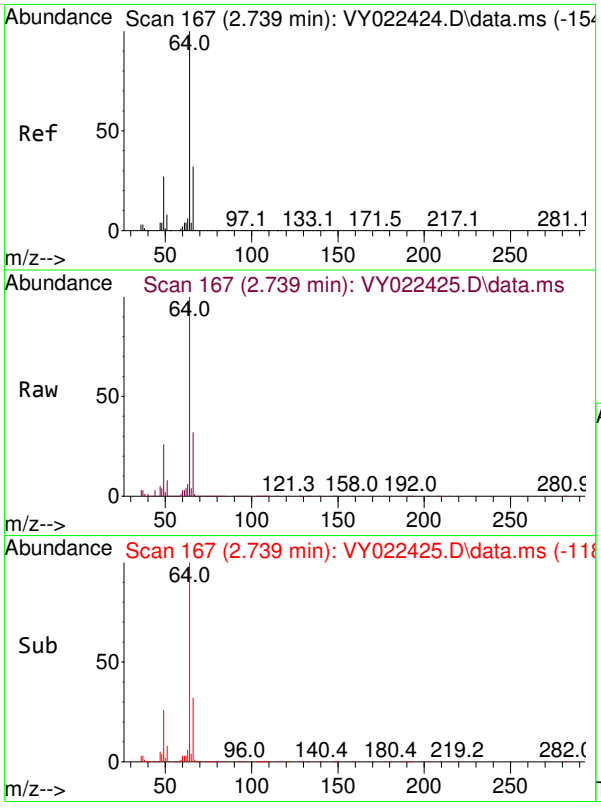
Ion	Ratio	Lower	Upper
94	100		
96	93.0	76.0	114.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

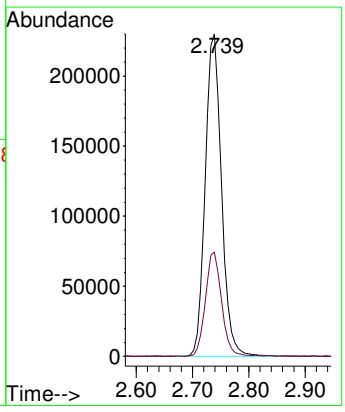


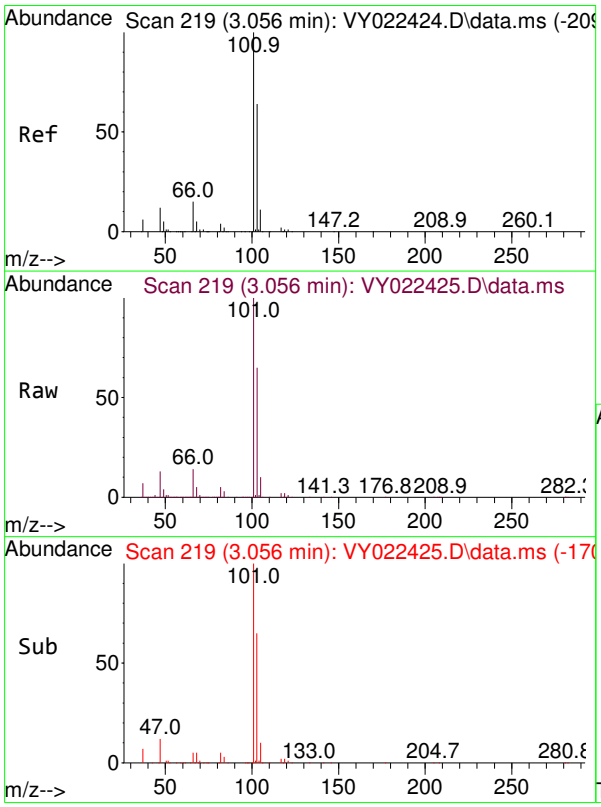


#6
Chloroethane
Concen: 97.376 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 64 Resp: 461685

Ion	Ratio	Lower	Upper
64	100		
66	32.3	25.9	38.9





#7
Trichlorofluoromethane
Concen: 98.726 ug/l
RT: 3.056 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

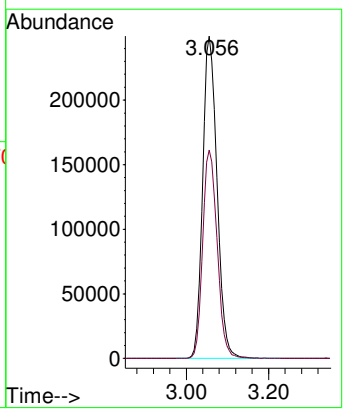
Tgt Ion:101 Resp: 60437

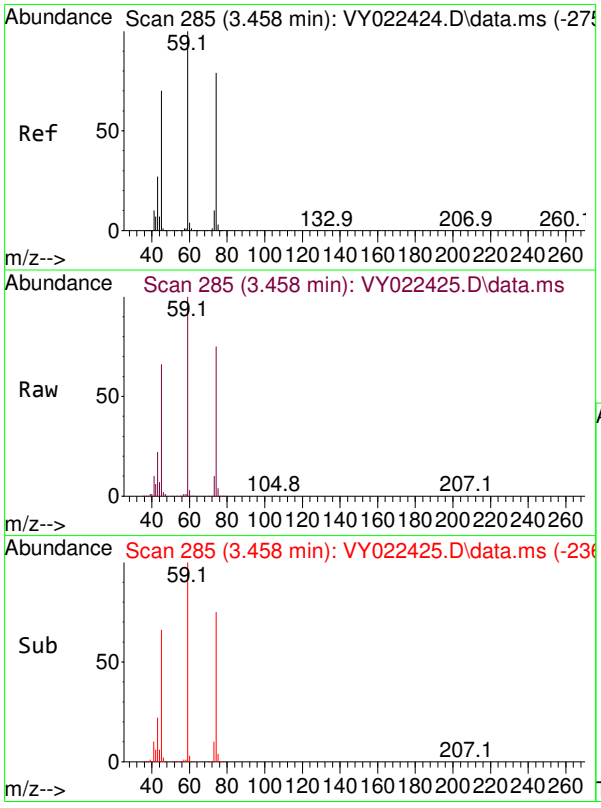
Ion	Ratio	Lower	Upper
101	100		
103	64.6	50.9	76.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

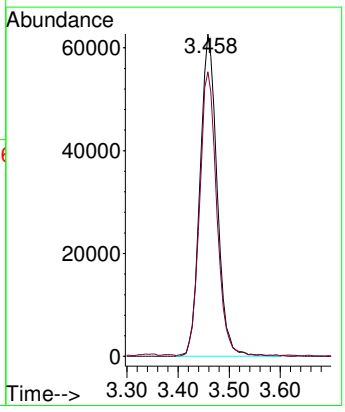


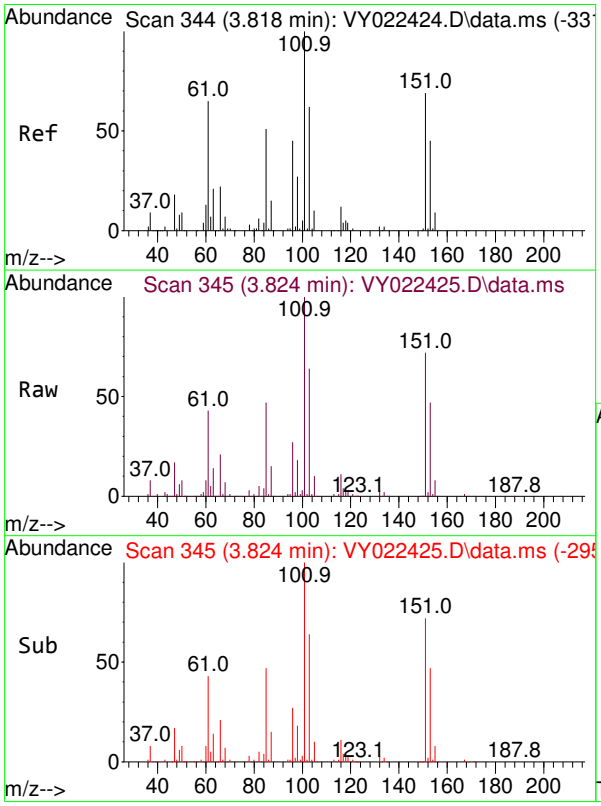


#8
Diethyl Ether
Concen: 102.707 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 74 Resp: 144974

Ion	Ratio	Lower	Upper
74	100		
45	88.4	44.9	134.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 99.149 ug/l
RT: 3.824 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

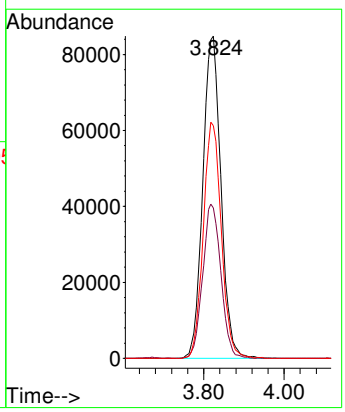
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

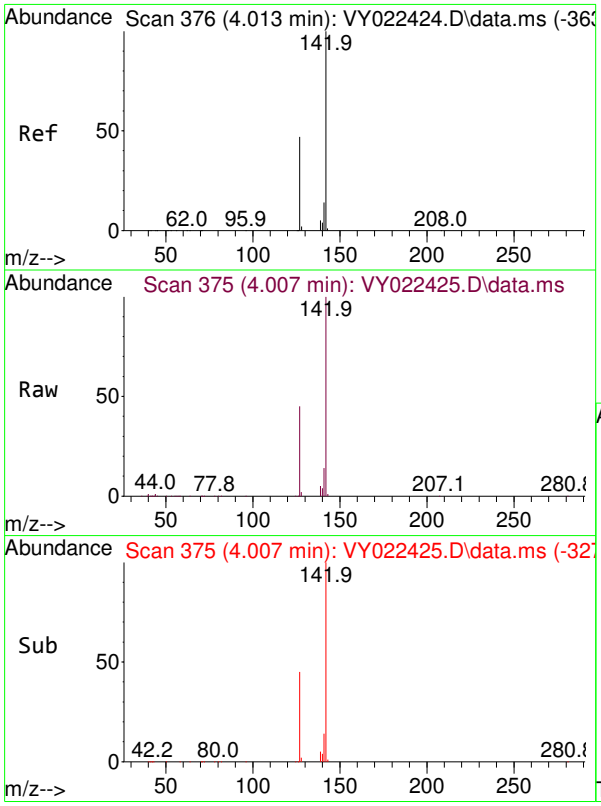
Tgt Ion:101 Resp: 26628

Ion	Ratio	Lower	Upper
101	100		
85	48.1	39.2	58.8
151	72.8	58.8	88.2

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

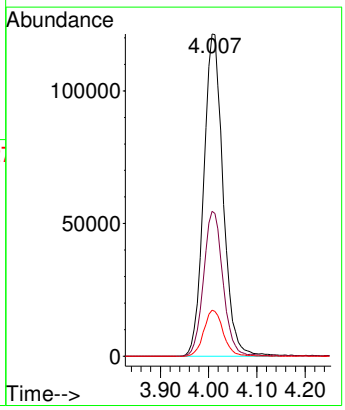


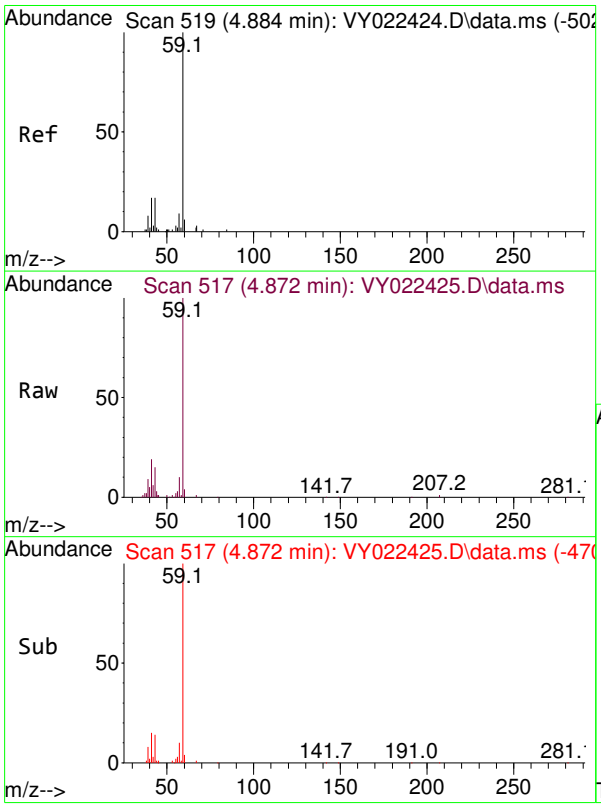


#10
Methyl Iodide
Concen: 111.841 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:142 Resp: 338872

Ion	Ratio	Lower	Upper
142	100		
127	45.3	36.2	54.4
141	14.4	11.6	17.4





#11
Tert butyl alcohol
Concen: 513.234 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

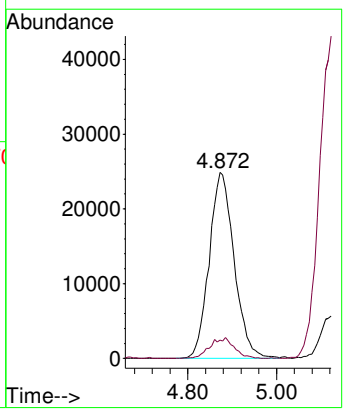
Tgt Ion: 59 Resp: 9697

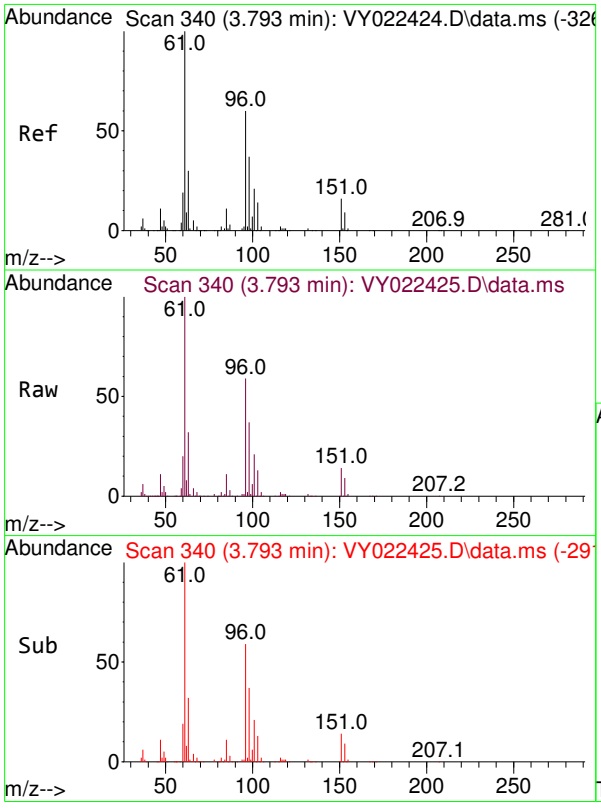
Ion	Ratio	Lower	Upper
59	100		
57	10.8	9.1	13.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

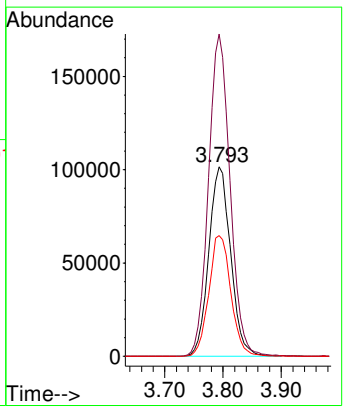


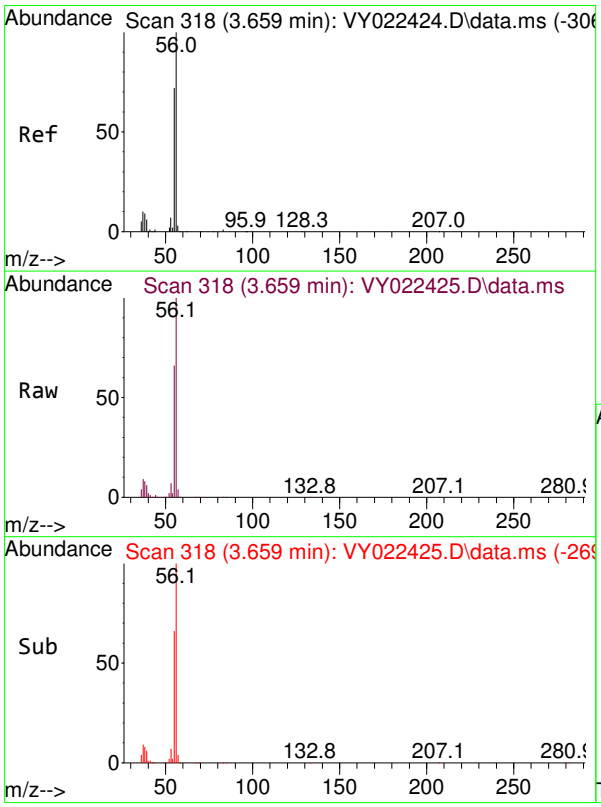


#12
1,1-Dichloroethene
Concen: 99.249 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 96 Resp: 264638

Ion	Ratio	Lower	Upper
96	100		
61	170.1	134.1	201.1
98	63.8	50.2	75.2





#13
Acrolein
Concen: 526.536 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

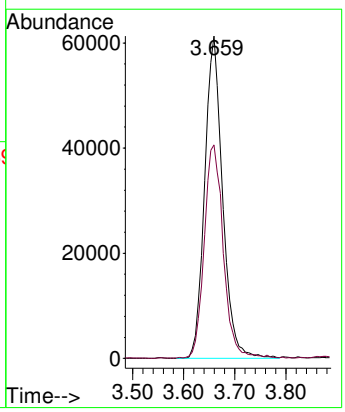
Tgt Ion: 56 Resp: 14907

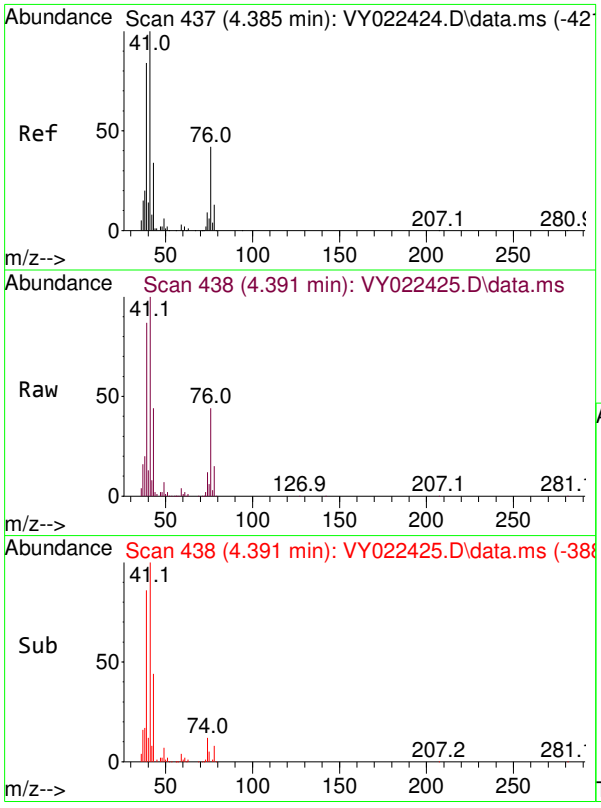
Ion	Ratio	Lower	Upper
56	100		
55	70.3	56.5	84.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

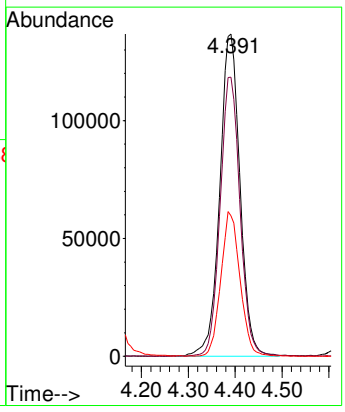


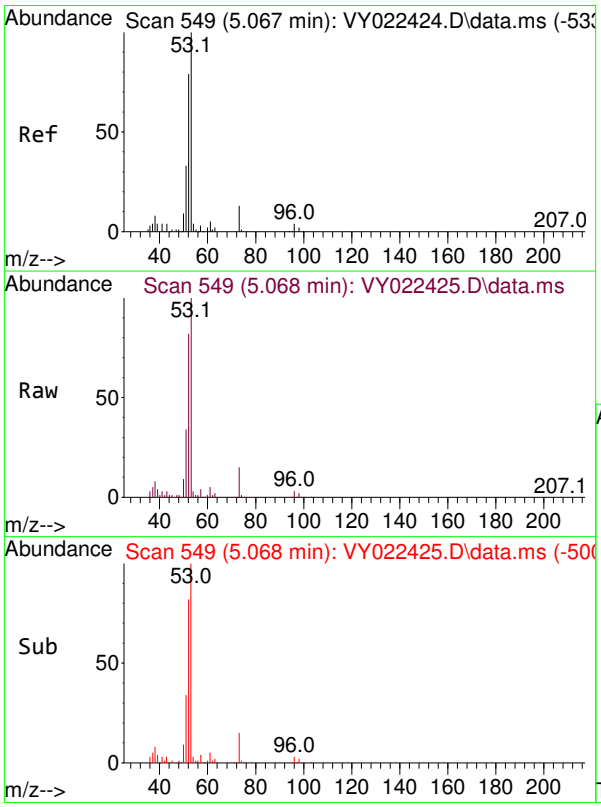


#14
Allyl chloride
Concen: 101.625 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 41 Resp: 407614

Ion	Ratio	Lower	Upper
41	100		
39	85.1	66.6	100.0
76	42.4	33.7	50.5





#15
Acrylonitrile
Concen: 526.172 ug/l
RT: 5.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

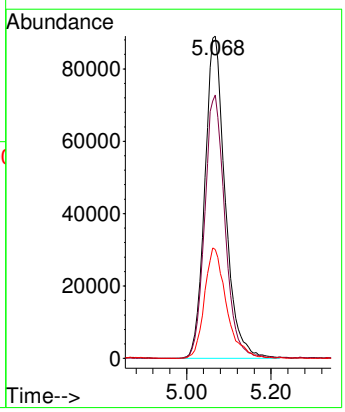
Tgt Ion: 53 Resp: 29936

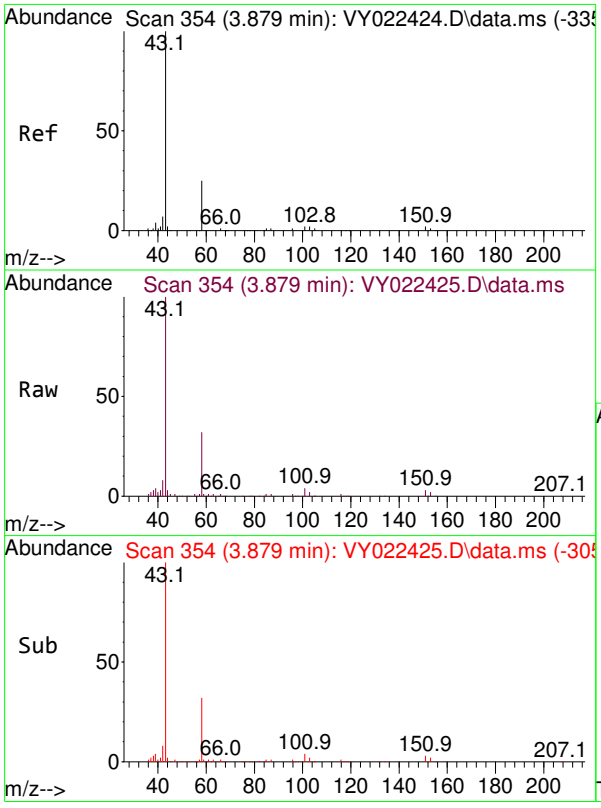
Ion	Ratio	Lower	Upper
53	100		
52	81.1	65.1	97.7
51	36.9	30.0	45.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

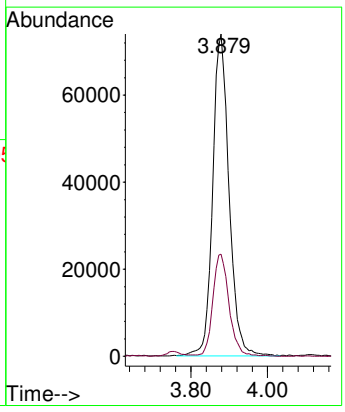


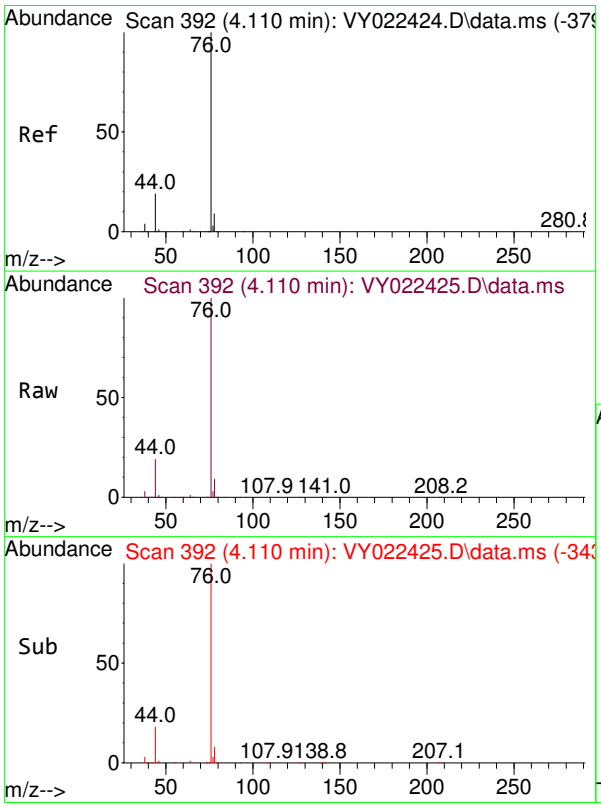


#16
Acetone
Concen: 497.574 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 43 Resp: 219178

Ion	Ratio	Lower	Upper
43	100		
58	31.7	20.6	30.8#





#17
Carbon Disulfide
Concen: 100.043 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 76 Resp: 85127

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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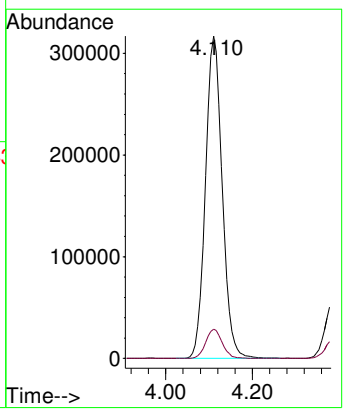
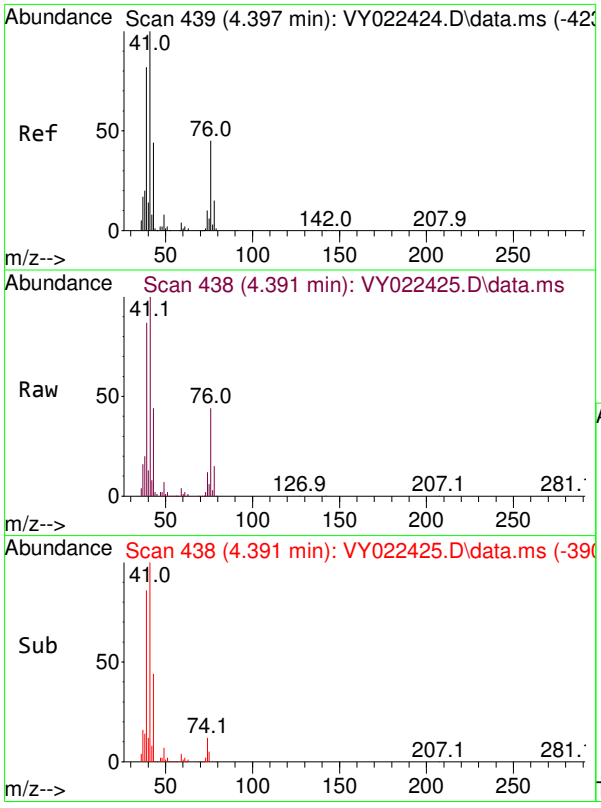
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

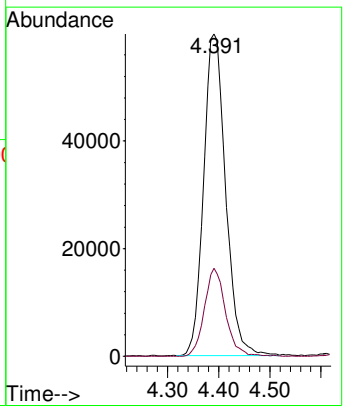


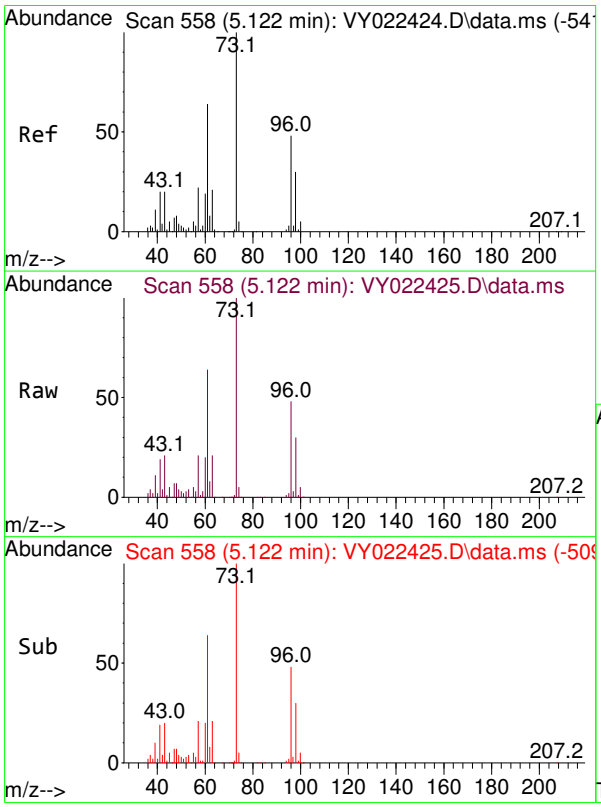


#18
Methyl Acetate
Concen: 108.317 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 43 Resp: 178729

Ion	Ratio	Lower	Upper
43	100		
74	26.3	21.2	31.8





#19
Methyl tert-butyl Ether
Concen: 103.886 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 73 Resp: 73541

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.7	26.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Amit Patel 05/28/2025
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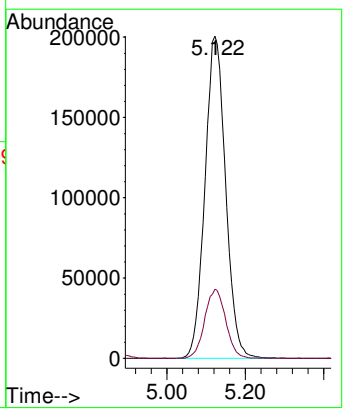
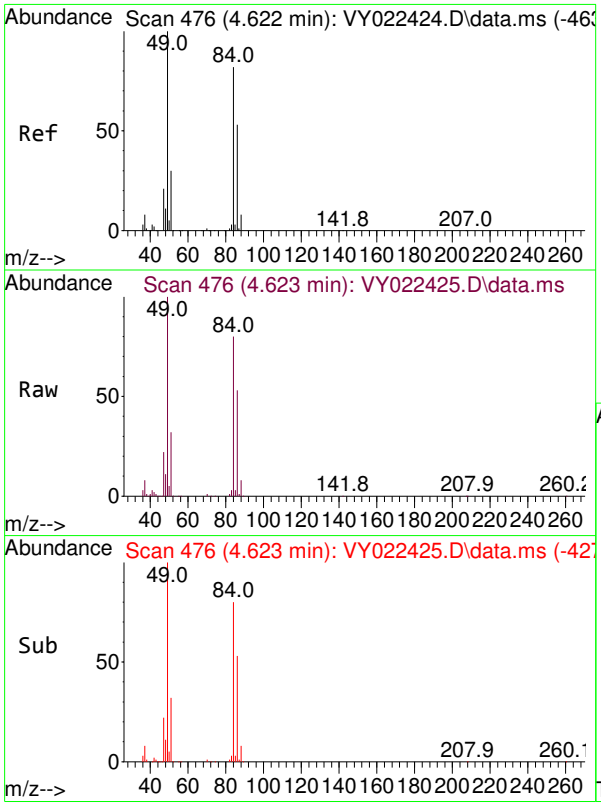
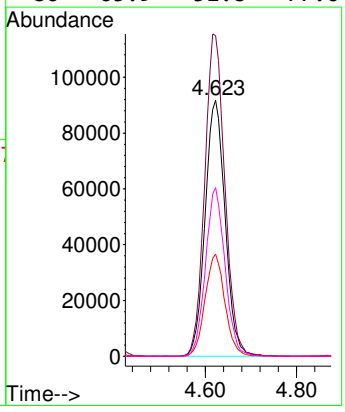


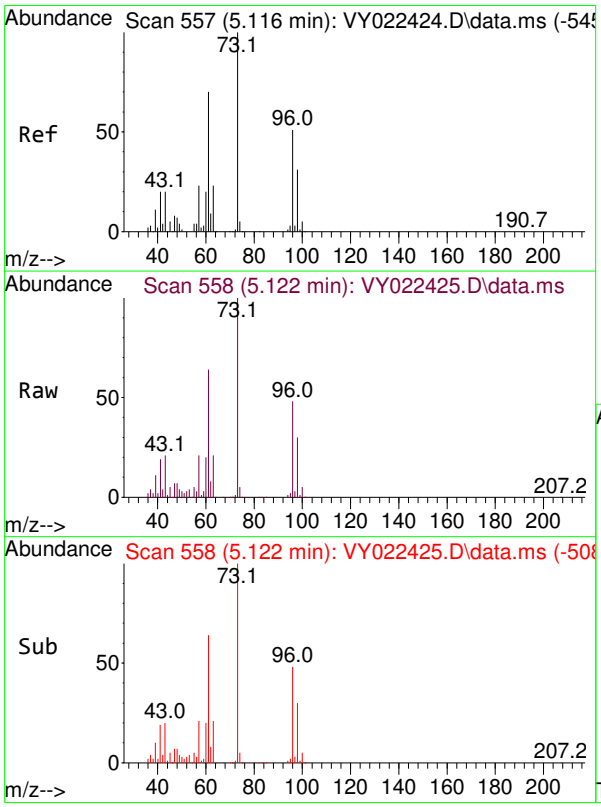


#20
Methylene Chloride
Concen: 89.995 ug/l
RT: 4.623 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 84 Resp: 279934

Ion	Ratio	Lower	Upper
84	100		
49	125.3	97.8	146.8
51	39.9	29.5	44.3
86	65.9	51.8	77.6





#21
trans-1,2-Dichloroethene
Concen: 101.801 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 96 Resp: 29633

Ion	Ratio	Lower	Upper
96	100		
61	133.6	110.4	165.6
98	62.4	48.6	73.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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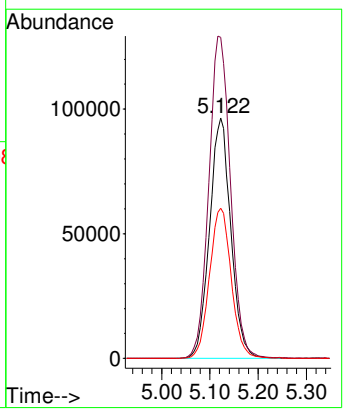
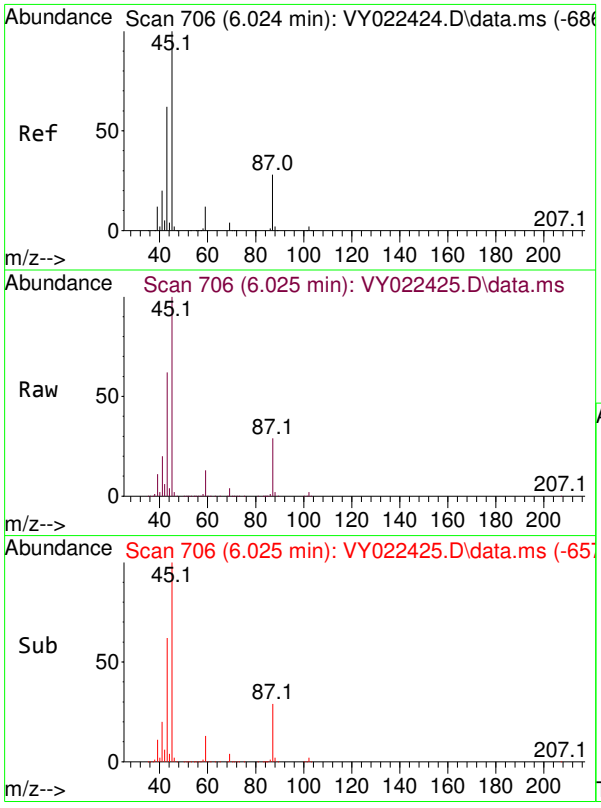
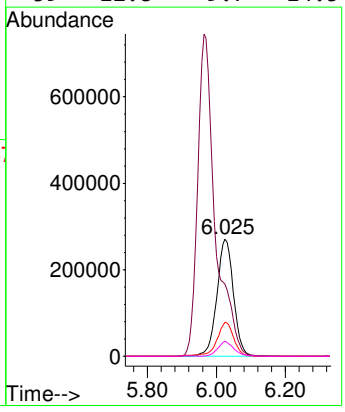


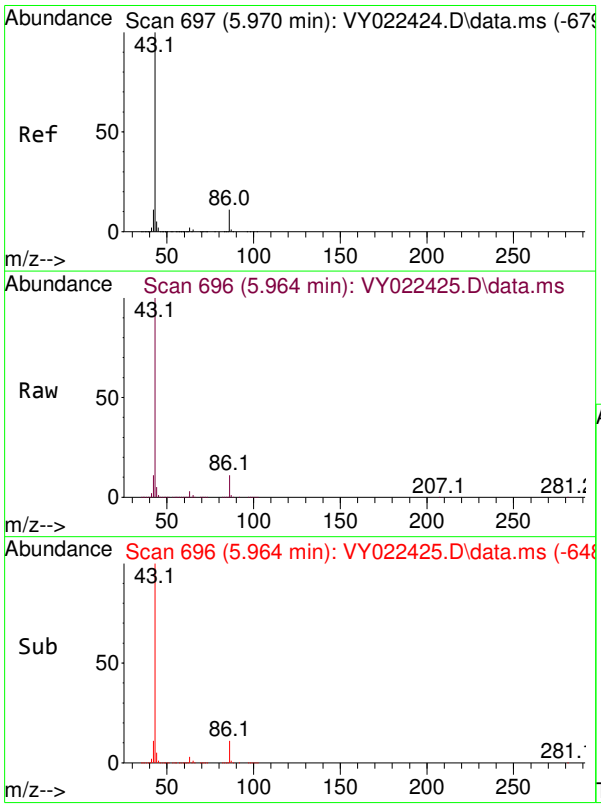


#22
Diisopropyl ether
Concen: 102.415 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 45 Resp: 906611

Ion	Ratio	Lower	Upper
45	100		
43	61.7	49.8	74.8
87	29.2	23.0	34.6
59	12.8	9.7	14.5





#23
Vinyl Acetate
Concen: 518.224 ug/l
RT: 5.964 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 43 Resp: 263405

Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.8	13.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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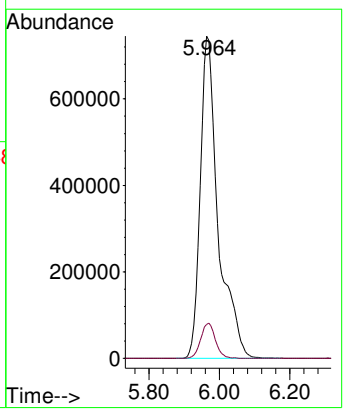
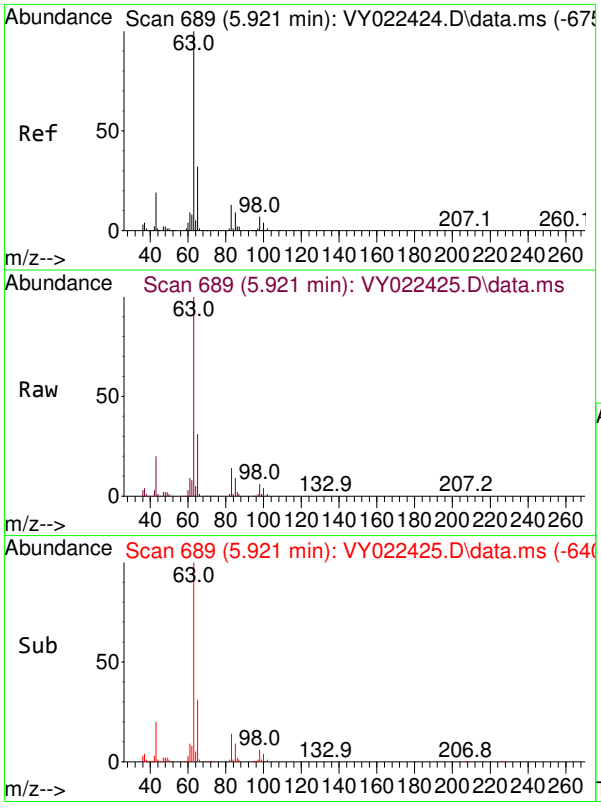
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

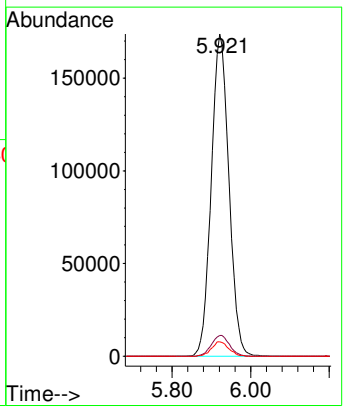


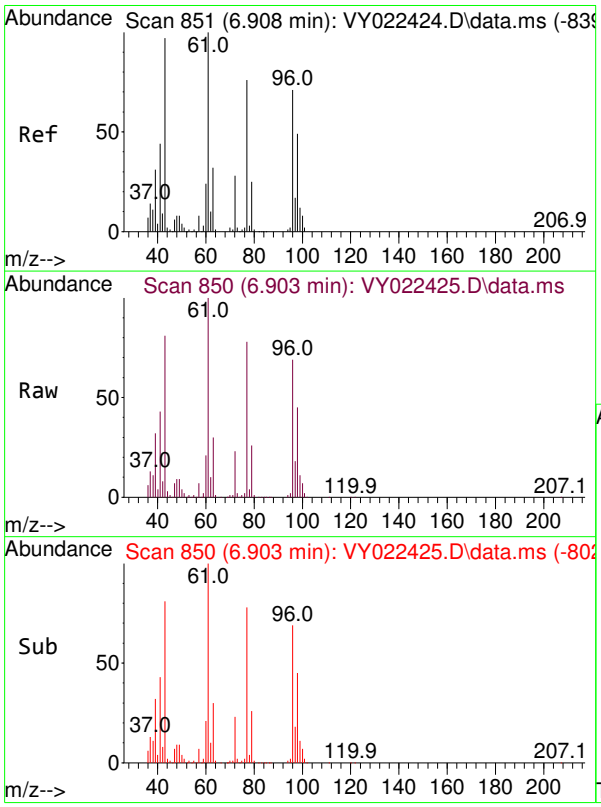


#24
1,1-Dichloroethane
Concen: 103.372 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 63 Resp: 540724

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.5	10.5
100	4.5	2.1	6.5





#25
2-Butanone
Concen: 527.215 ug/l
RT: 6.903 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 43 Resp: 38676

Ion	Ratio	Lower	Upper
43	100		
72	28.6	22.8	34.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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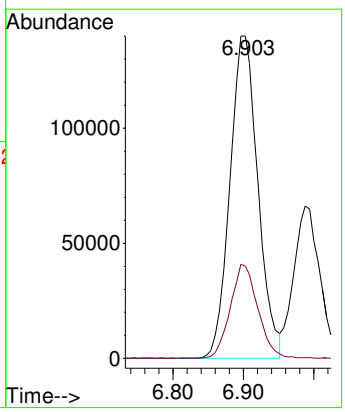
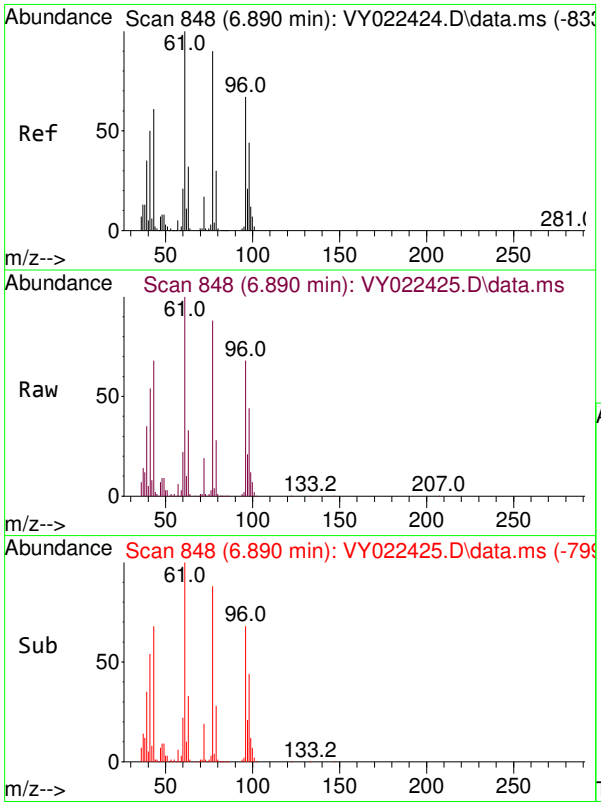
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

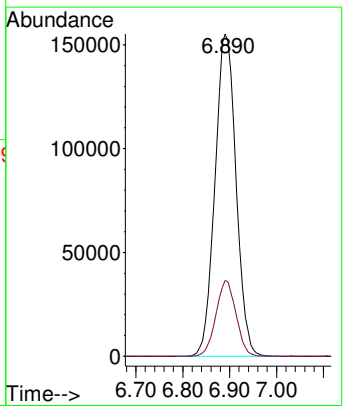


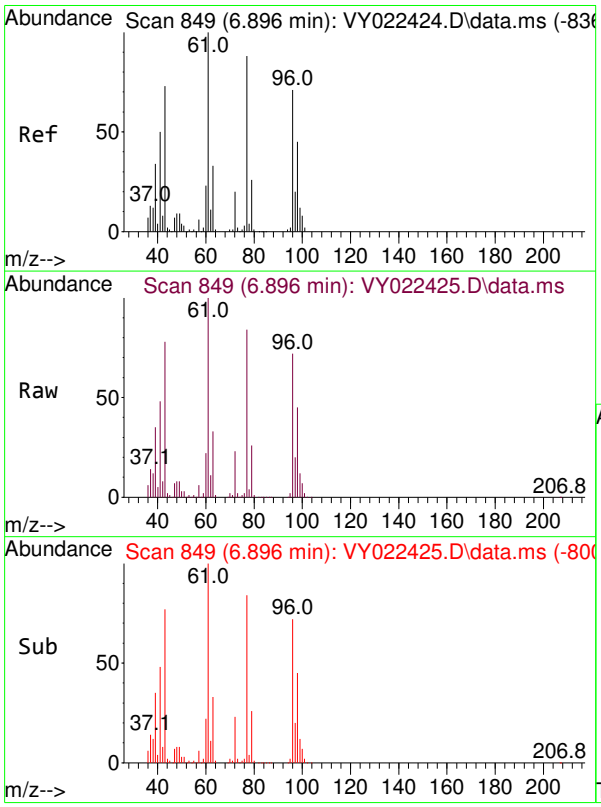


#26
2,2-Dichloropropane
Concen: 101.829 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 77 Resp: 482308

Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.6	34.7





#27
cis-1,2-Dichloroethene
Concen: 103.273 ug/l
RT: 6.896 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 96 Resp: 34802

Ion	Ratio	Lower	Upper
96	100		
61	146.3	0.0	292.0
98	64.4	0.0	131.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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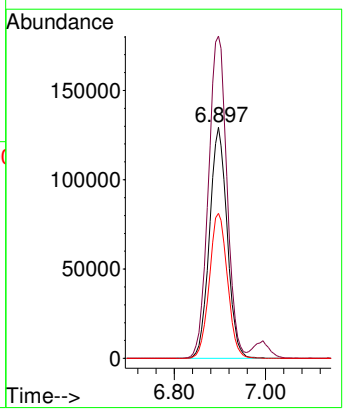
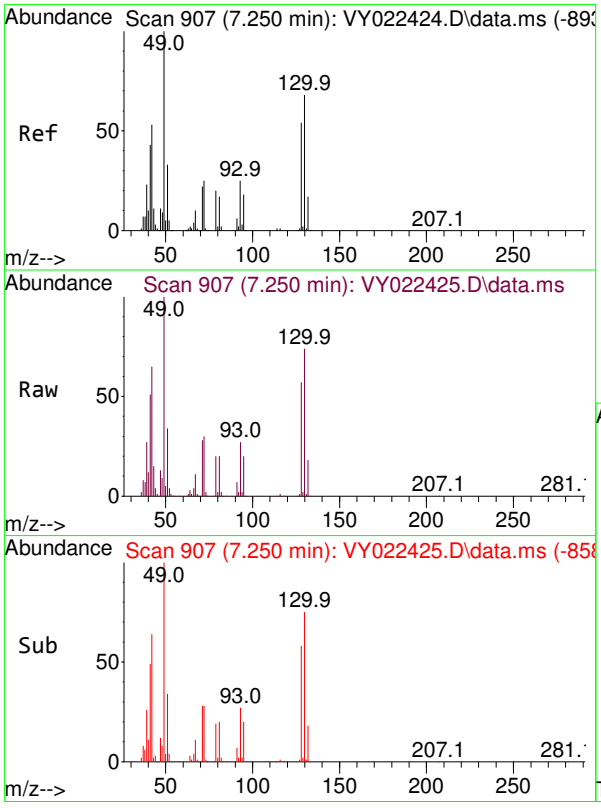
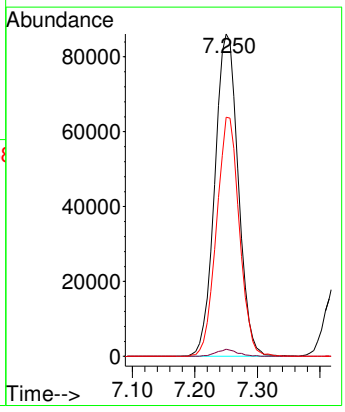


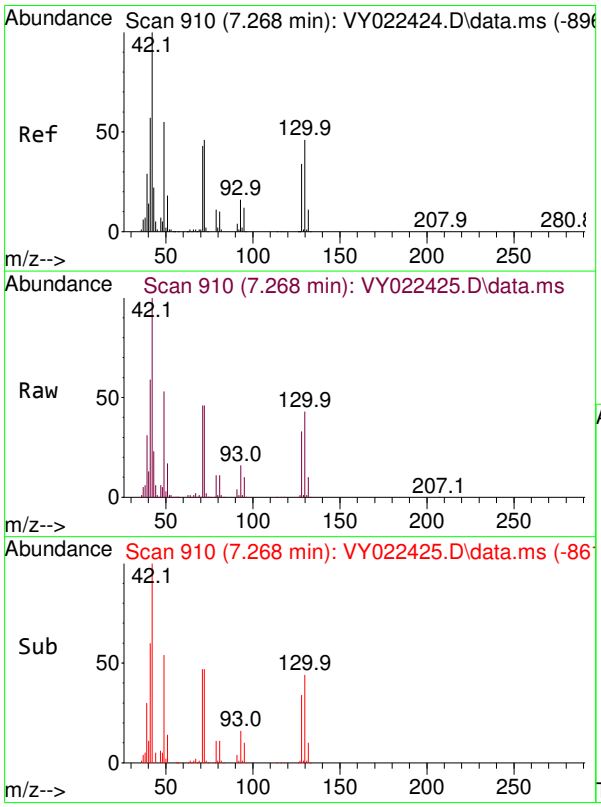


#28
Bromochloromethane
Concen: 102.322 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 49 Resp: 223498

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	72.3	56.9	85.3

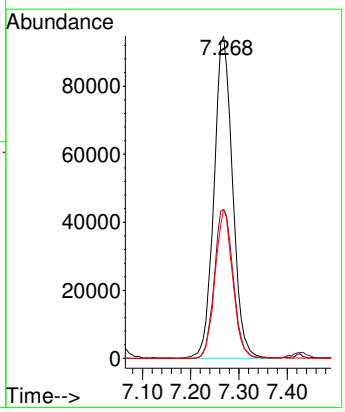




#29
Tetrahydrofuran
Concen: 519.309 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 42 Resp: 25407

Ion	Ratio	Lower	Upper
42	100		
72	46.9	37.7	56.5
71	43.9	34.7	52.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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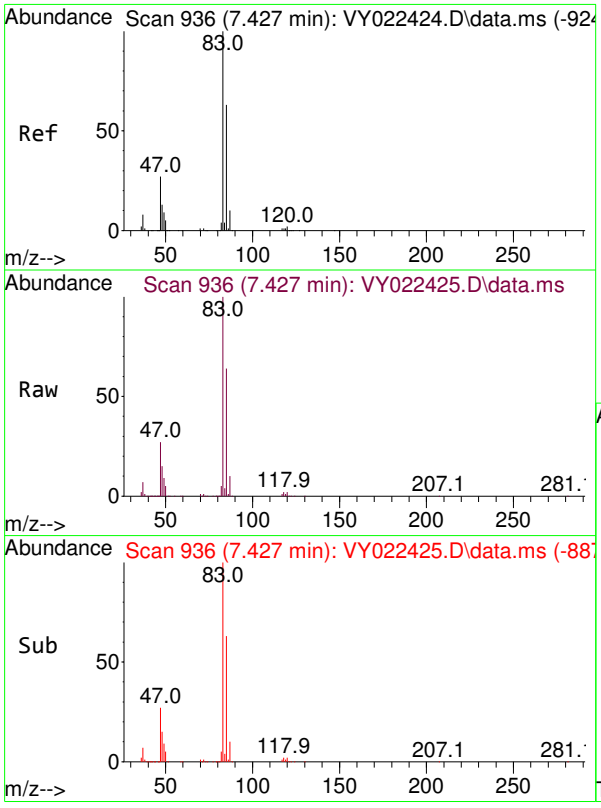
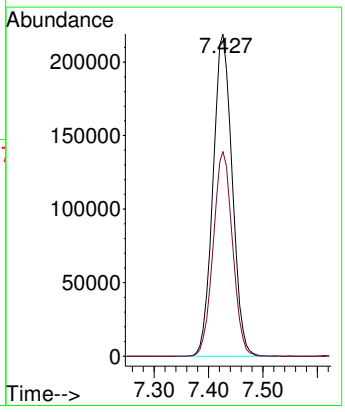
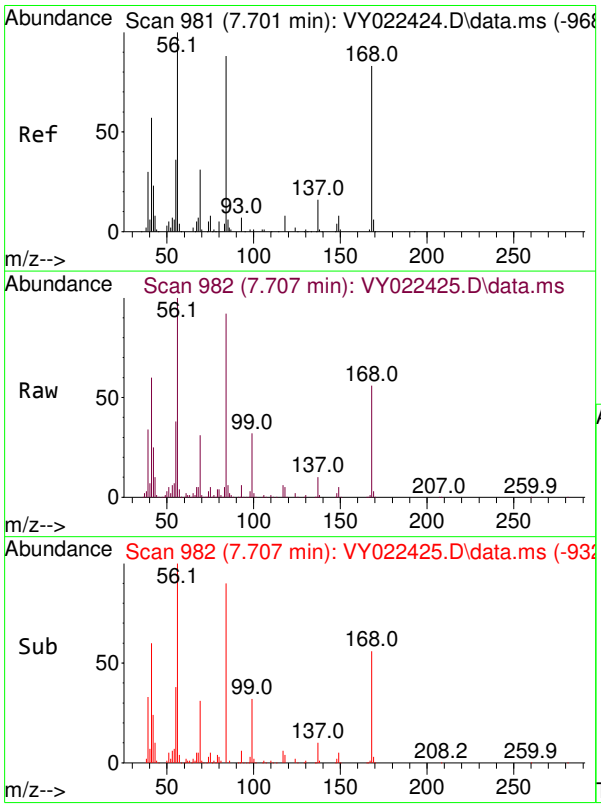


#30
Chloroform
Concen: 103.866 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 83 Resp: 535360

Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.1	75.1





#31
Cyclohexane
Concen: 93.445 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 56 Resp: 48182

Ion	Ratio	Lower	Upper
56	100		
69	30.9	24.6	36.8
84	90.3	70.4	105.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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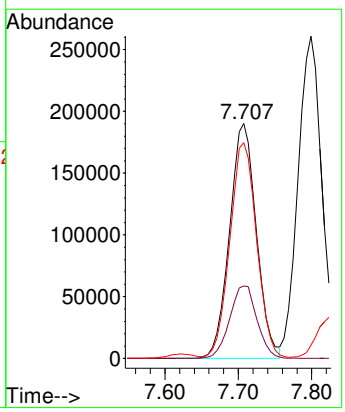
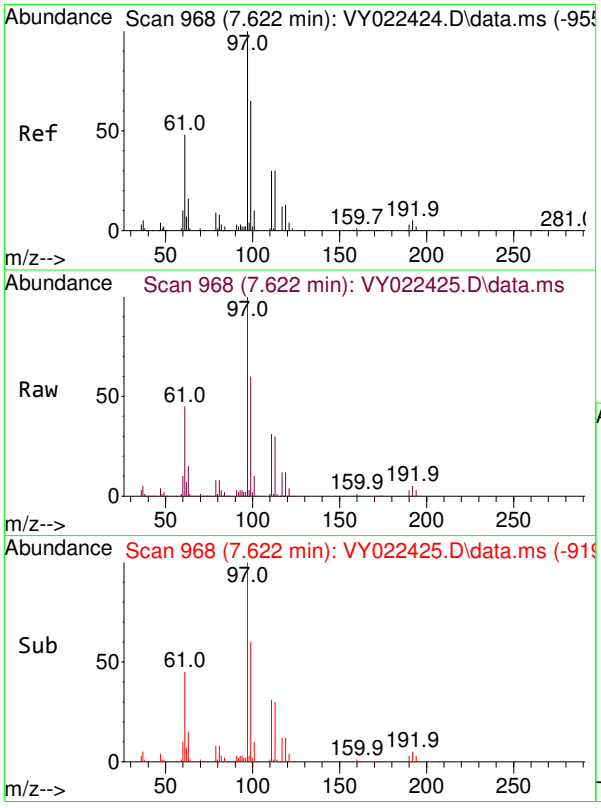
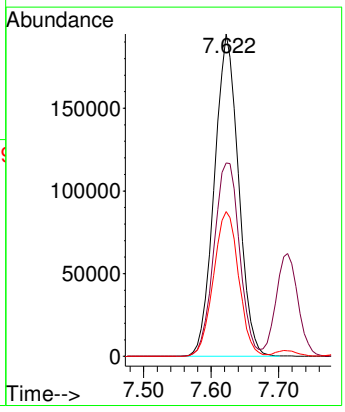


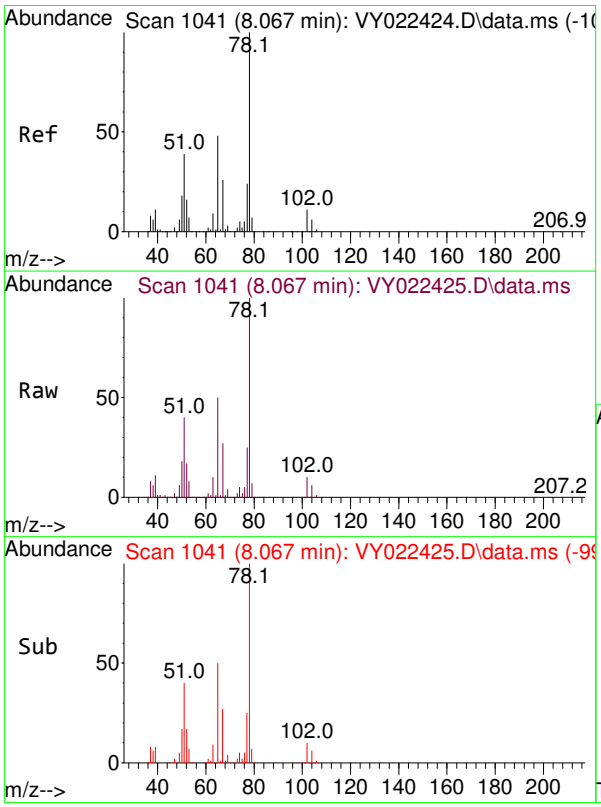


#32
1,1,1-Trichloroethane
Concen: 103.605 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 97 Resp: 484647

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.3	76.9
61	47.0	37.3	55.9





#33
1,2-Dichloroethane-d4
Concen: 102.746 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 65 Resp: 27542

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	104.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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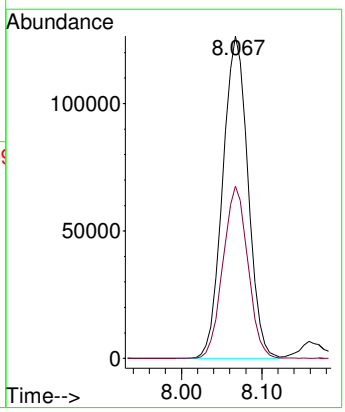
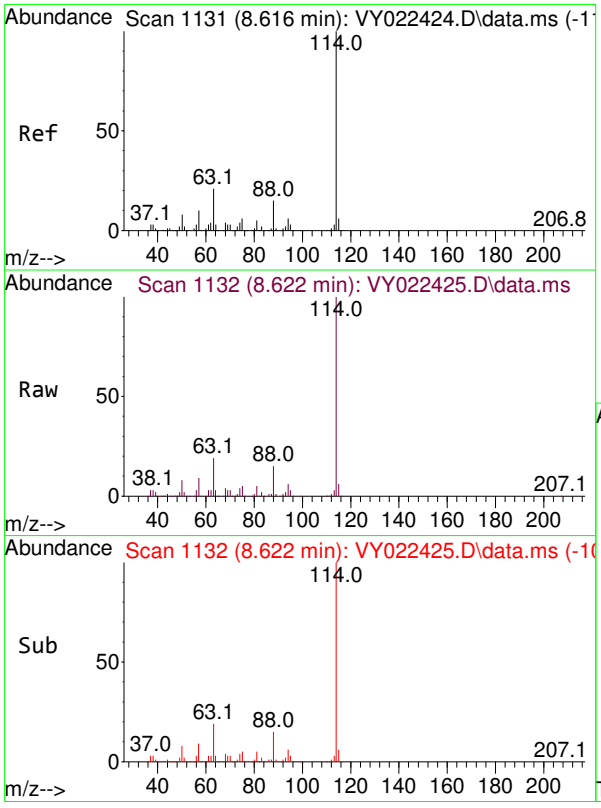
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

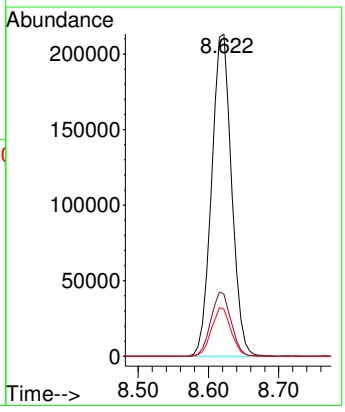


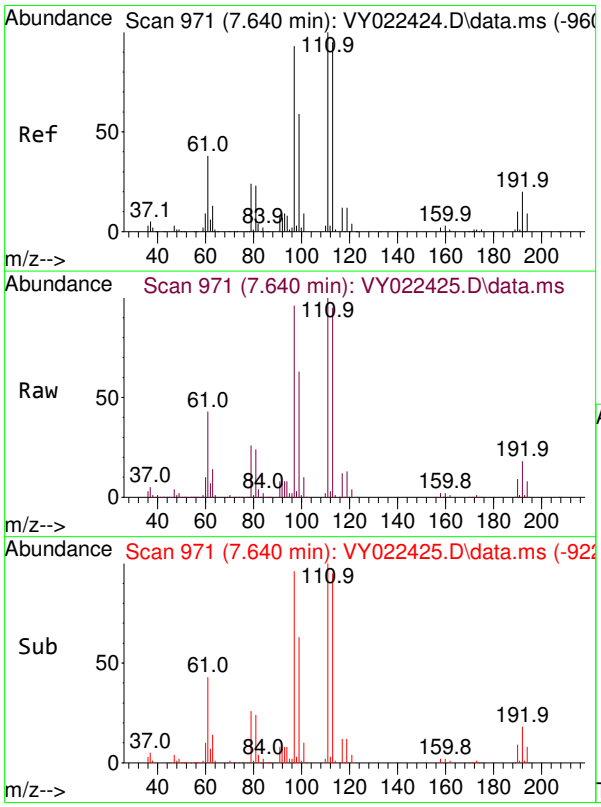


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:114 Resp: 420045

Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	42.6
88	14.6	0.0	29.4





#35
Dibromofluoromethane
Concen: 105.646 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

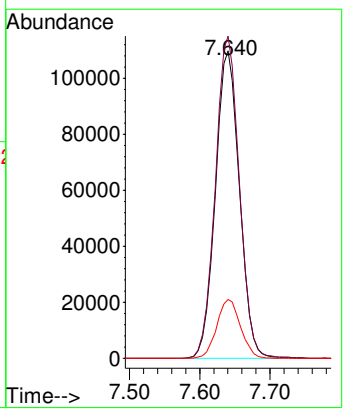
Tgt Ion:113 Resp: 25988

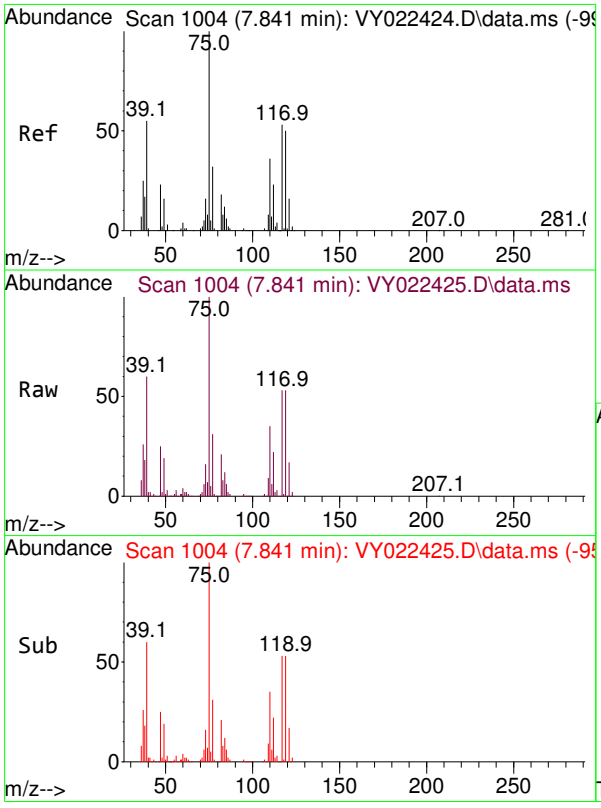
Ion	Ratio	Lower	Upper
113	100		
111	104.8	82.4	123.6
192	19.0	15.2	22.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

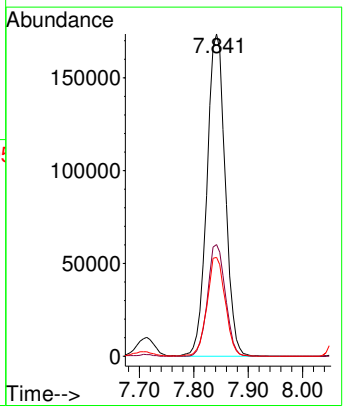


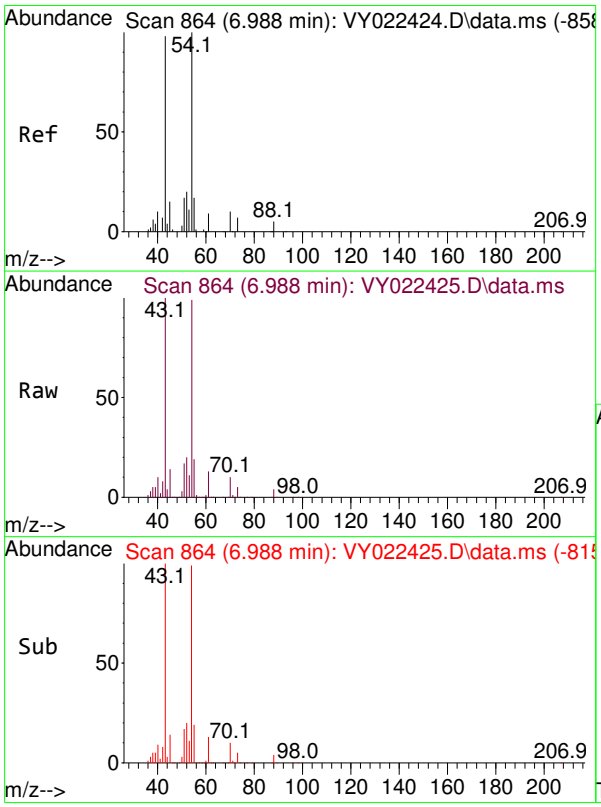


#36
1,1-Dichloropropene
Concen: 103.896 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 75 Resp: 405555

Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.1	51.2
77	30.8	25.1	37.7





#37
Ethyl Acetate
Concen: 105.171 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 43 Resp: 17447

Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.7	17.5
70	9.8	7.8	11.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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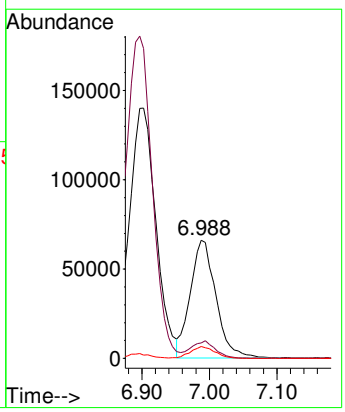
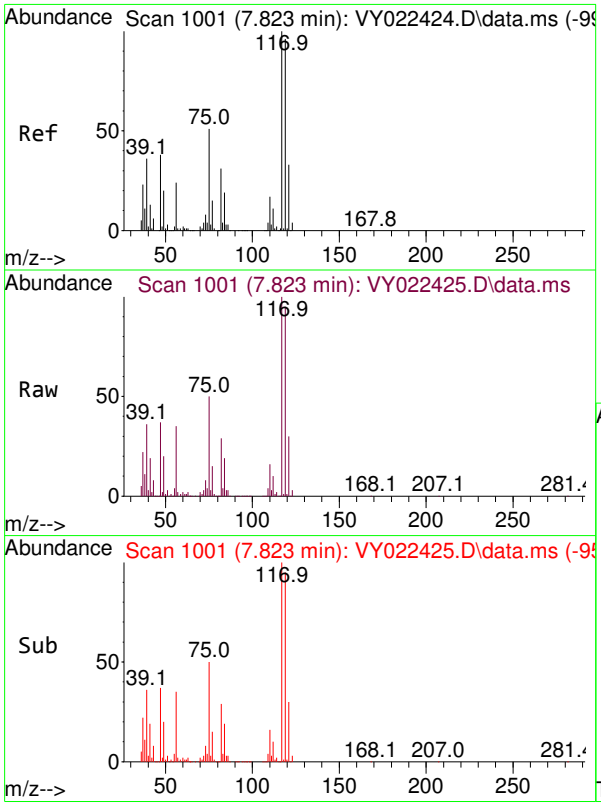
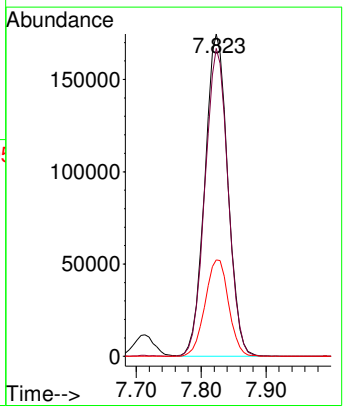


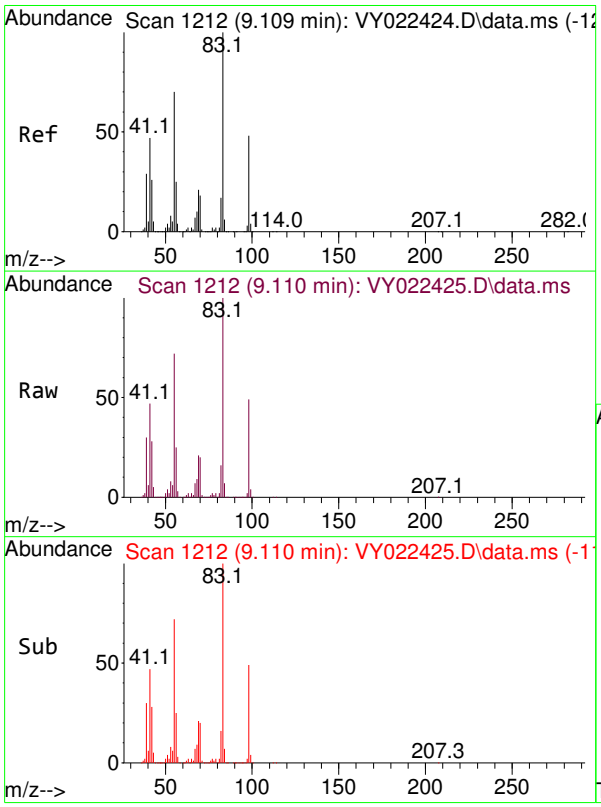


#38
Carbon Tetrachloride
Concen: 105.456 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:117 Resp: 428817

Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.3	114.5
121	29.9	26.1	39.1





#39
Methylcyclohexane
Concen: 103.329 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 83 Resp: 53615

Ion	Ratio	Lower	Upper
83	100		
55	72.2	56.2	84.2
98	48.5	38.4	57.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Amit Patel 05/28/2025
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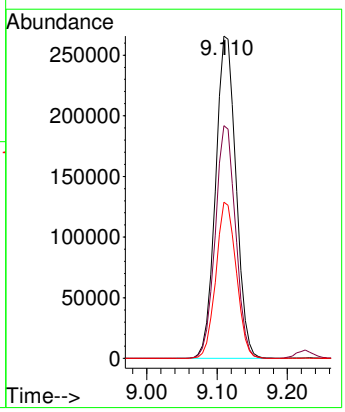
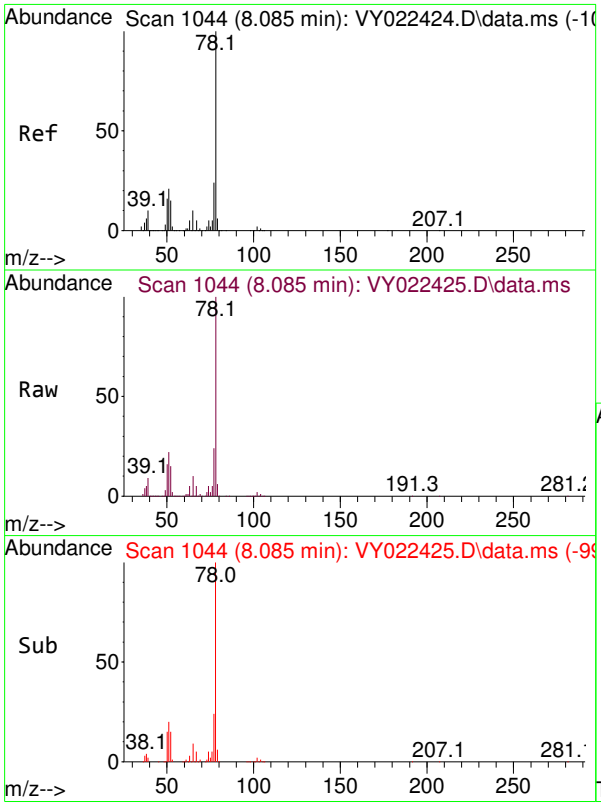
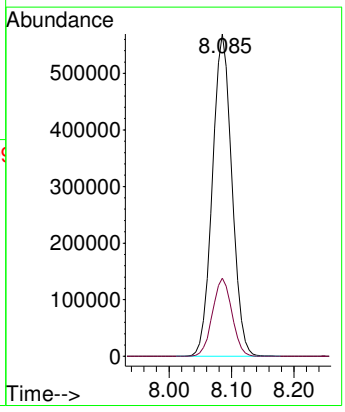


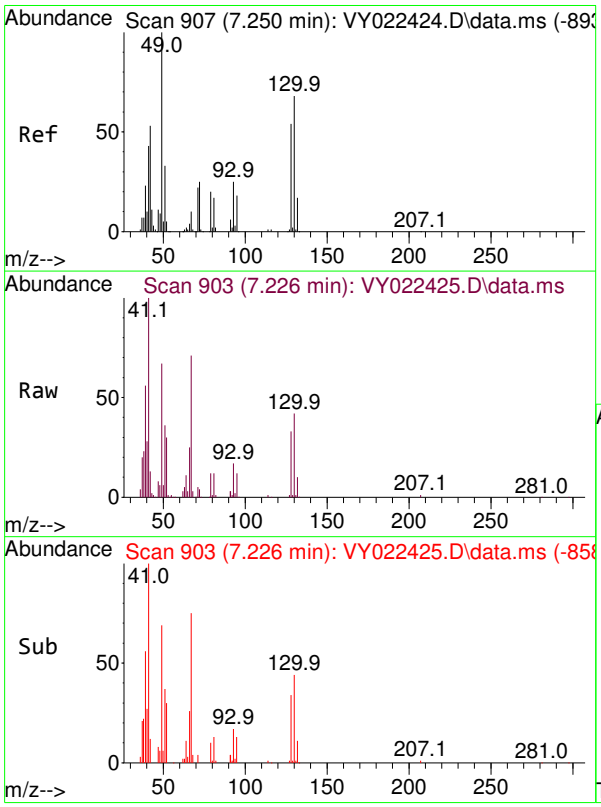


#40
Benzene
Concen: 105.848 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 78 Resp: 1229435

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.4	29.2

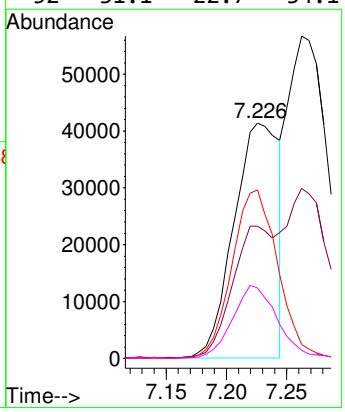




#41
Methacrylonitrile
Concen: 49.194 ug/l
RT: 7.226 min Scan# 9
Delta R.T. -0.024 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 41 Resp: 10740

Ion	Ratio	Lower	Upper
41	100		
39	49.4	40.4	60.6
67	73.1	53.0	79.4
52	31.1	22.7	34.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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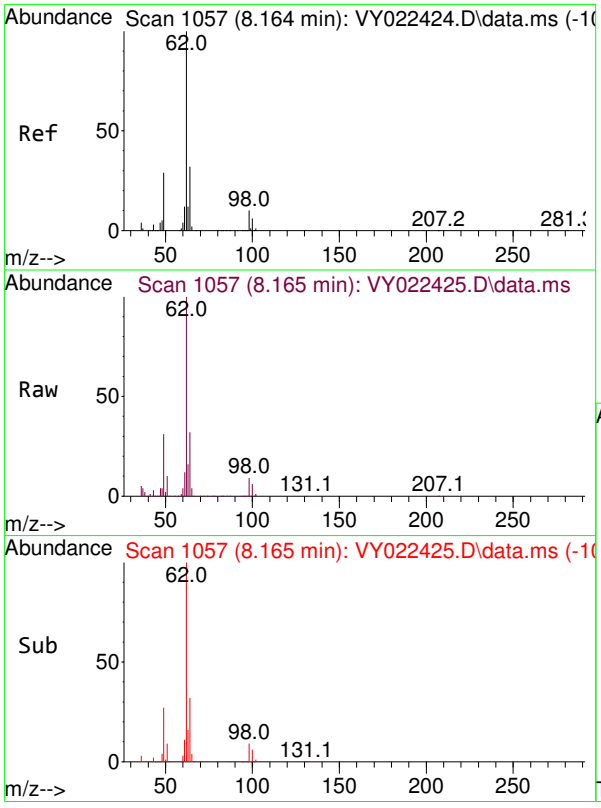
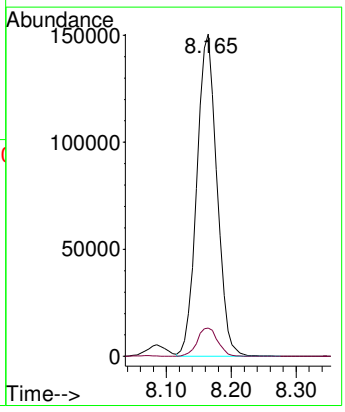
Supervised By :Mahesh Dadoda 05/28/2025

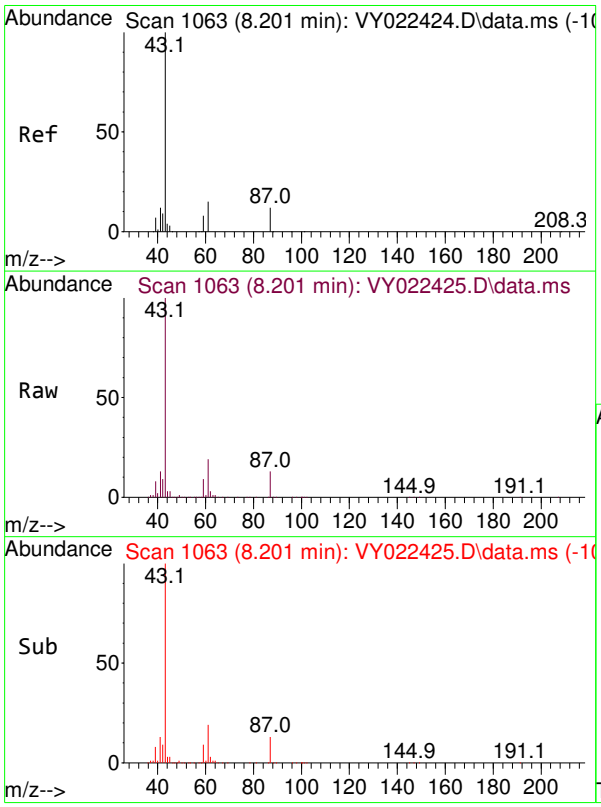


#42
1,2-Dichloroethane
Concen: 104.887 ug/l
RT: 8.165 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 62 Resp: 321758

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.4





#43
Isopropyl Acetate
Concen: 106.287 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 43 Resp: 38529

Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.4	23.0
87	13.0	10.6	15.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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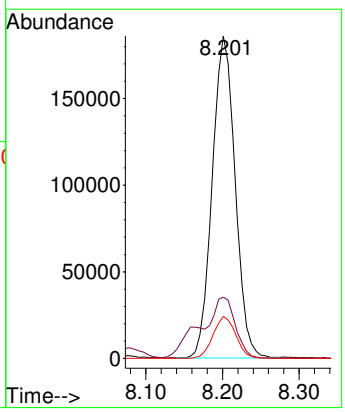
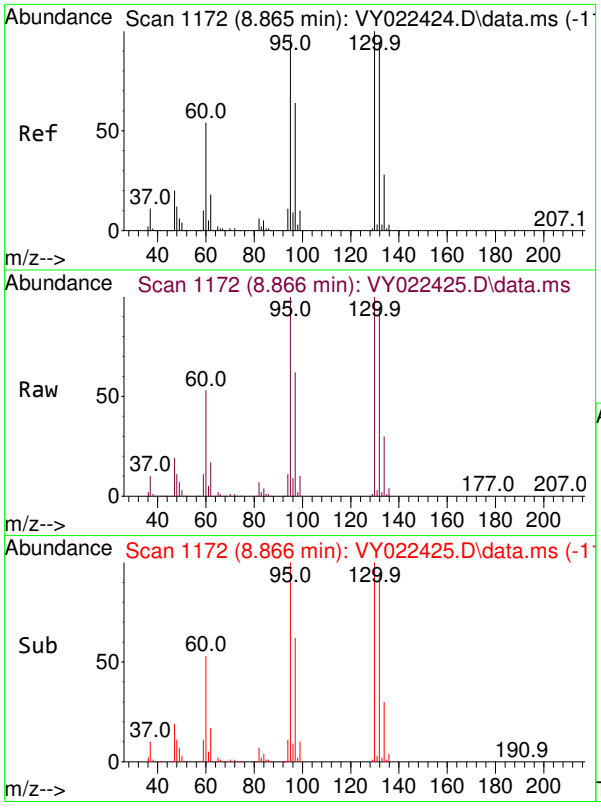
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

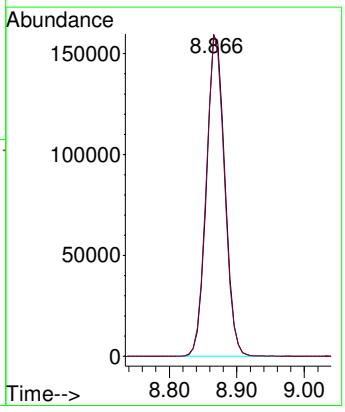


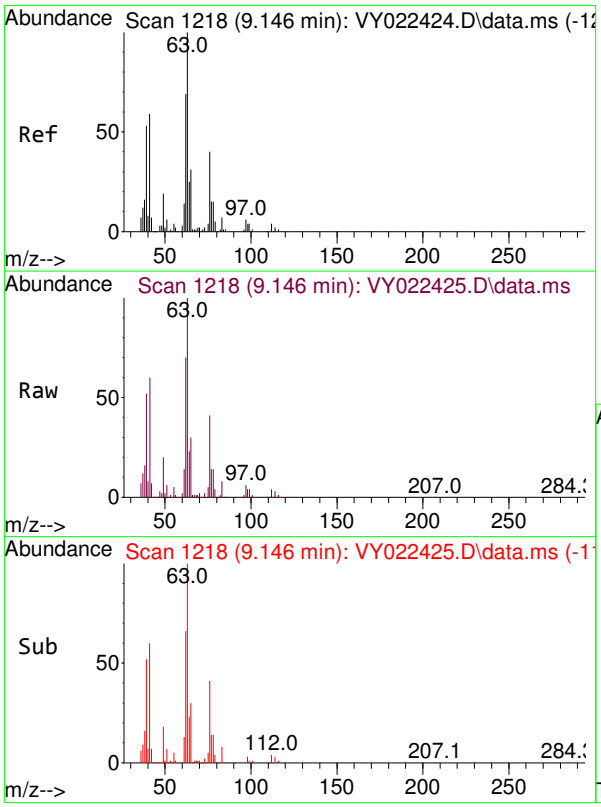


#44
Trichloroethene
Concen: 104.583 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:130 Resp: 300293

Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	194.8





#45
1,2-Dichloropropane
Concen: 105.160 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 63 Resp: 28698

Ion	Ratio	Lower	Upper
63	100		
65	30.3	25.1	37.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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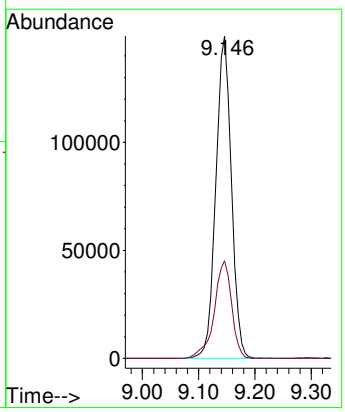
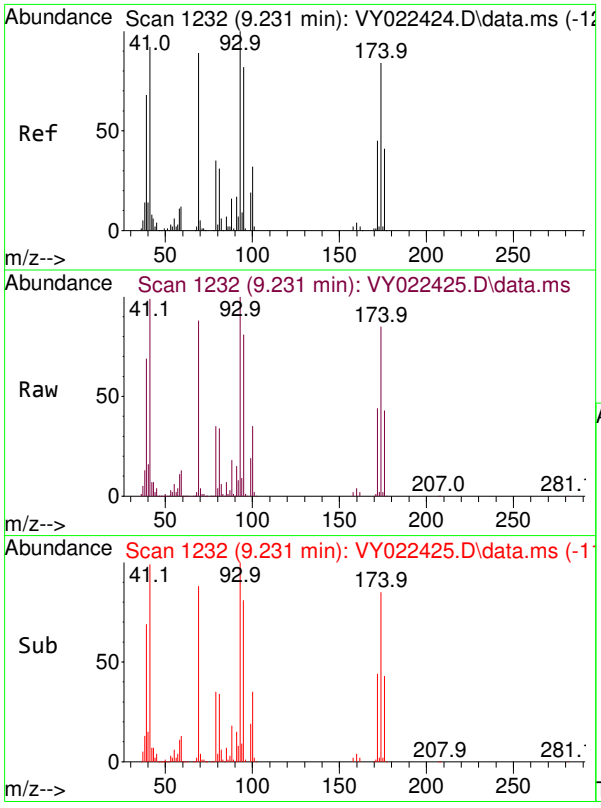
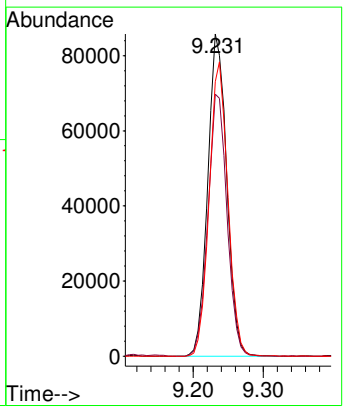


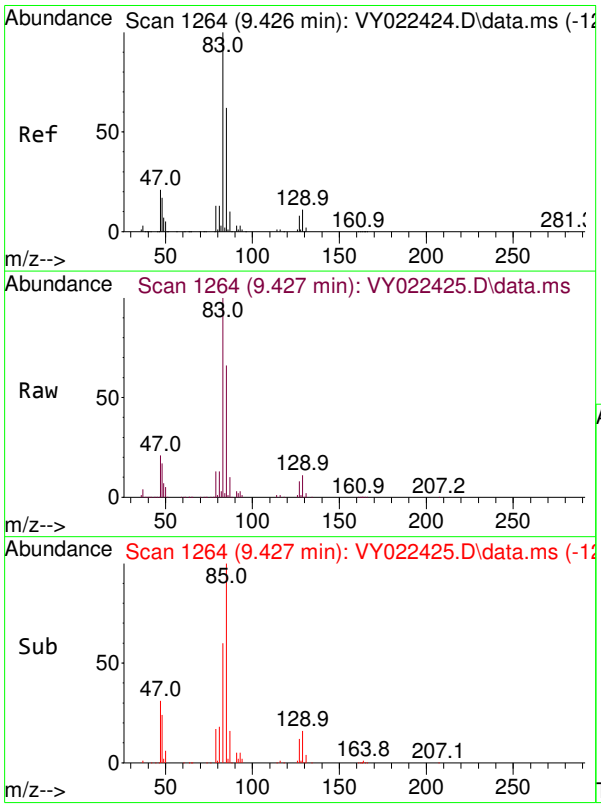


#46
Dibromomethane
Concen: 105.464 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 93 Resp: 160779

Ion	Ratio	Lower	Upper
93	100		
95	81.8	66.2	99.2
174	89.9	71.1	106.7

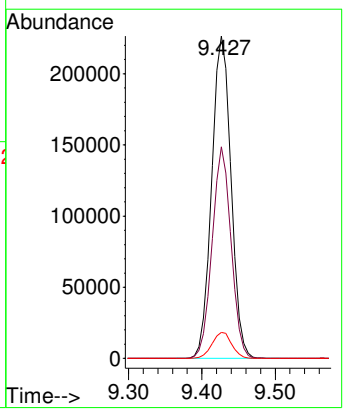




#47
Bromodichloromethane
Concen: 105.558 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 83 Resp: 41382

Ion	Ratio	Lower	Upper
83	100		
85	65.6	49.8	74.6
127	8.0	6.6	9.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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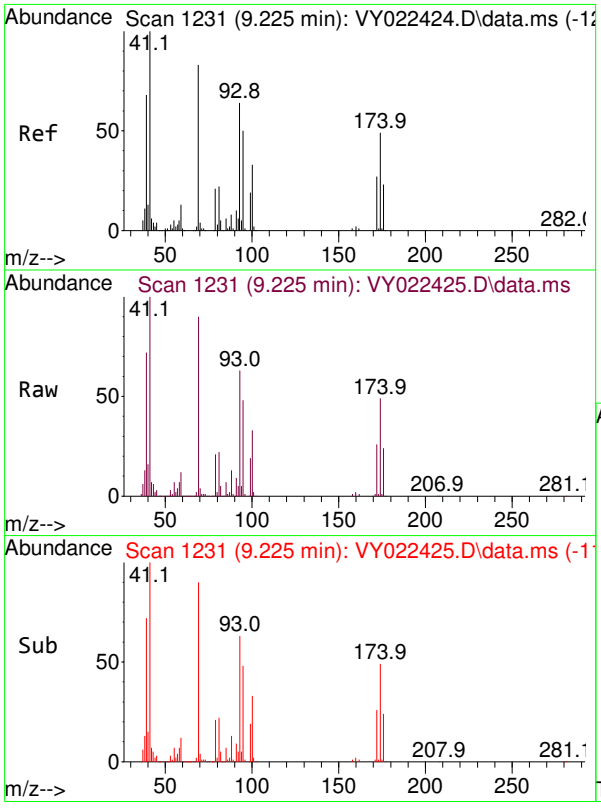
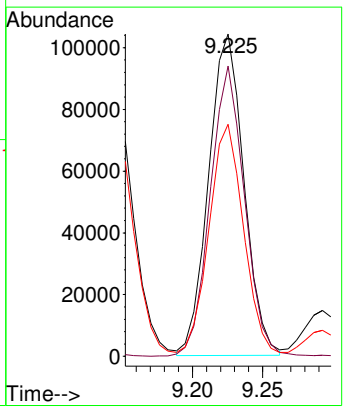
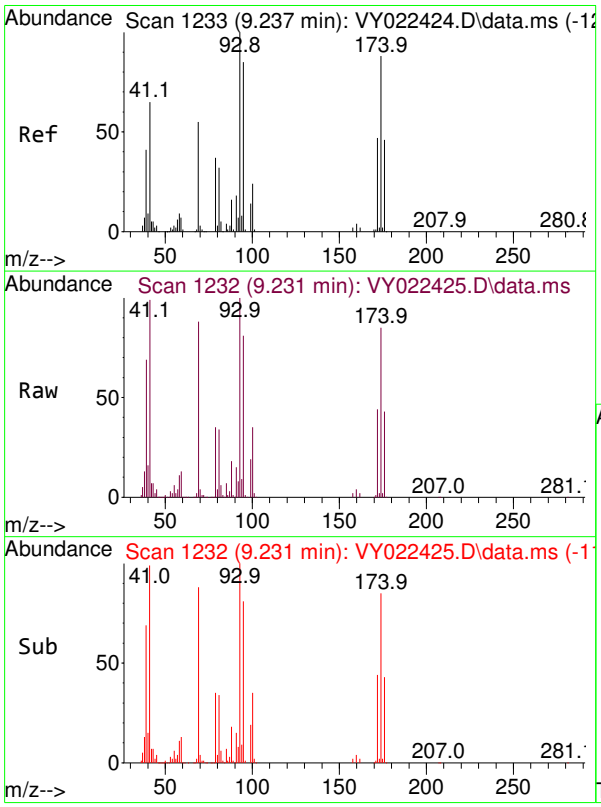


#48
Methyl methacrylate
Concen: 108.116 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 41 Resp: 181931

Ion	Ratio	Lower	Upper
41	100		
69	88.1	70.3	105.5
39	69.0	55.4	83.0





#49
1,4-Dioxane
Concen: 2158.331 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 88 Resp: 3634

Ion	Ratio	Lower	Upper
88	100		
43	34.2	26.9	40.3
58	65.5	55.8	83.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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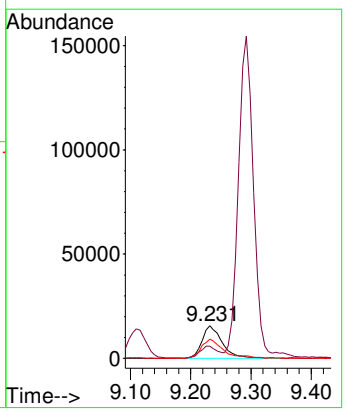
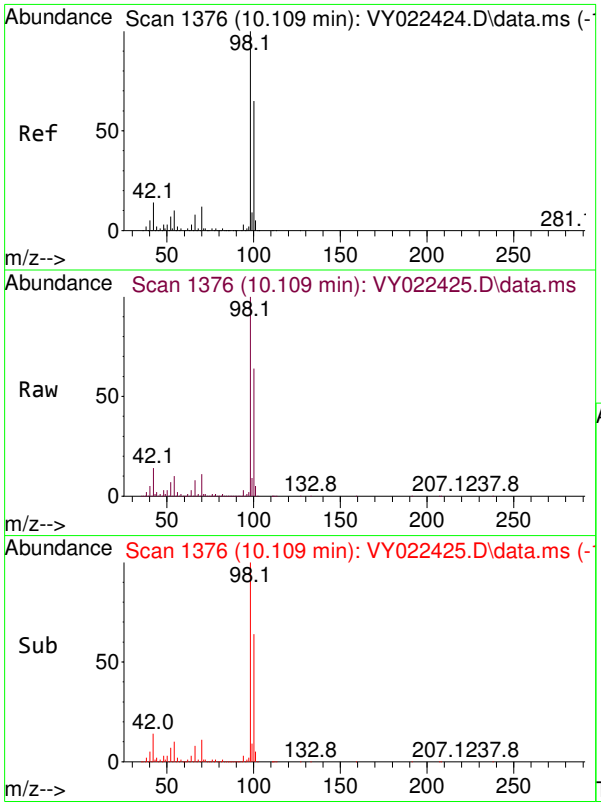
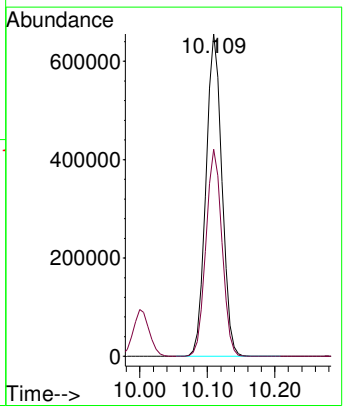


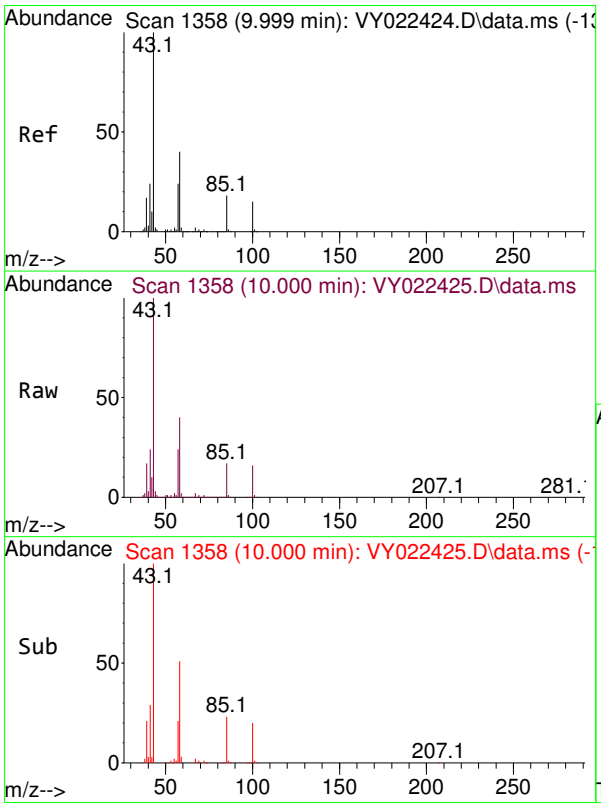


#50
Toluene-d8
Concen: 106.726 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 98 Resp: 1070243

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.2	78.2





#51
4-Methyl-2-Pentanone
Concen: 556.674 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 43 Resp: 99566

Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.2	46.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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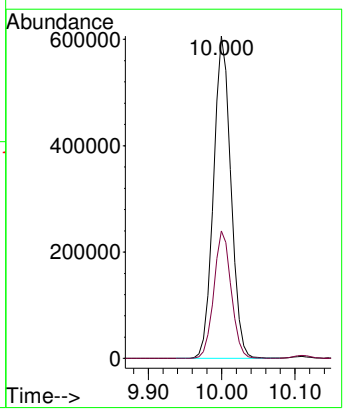
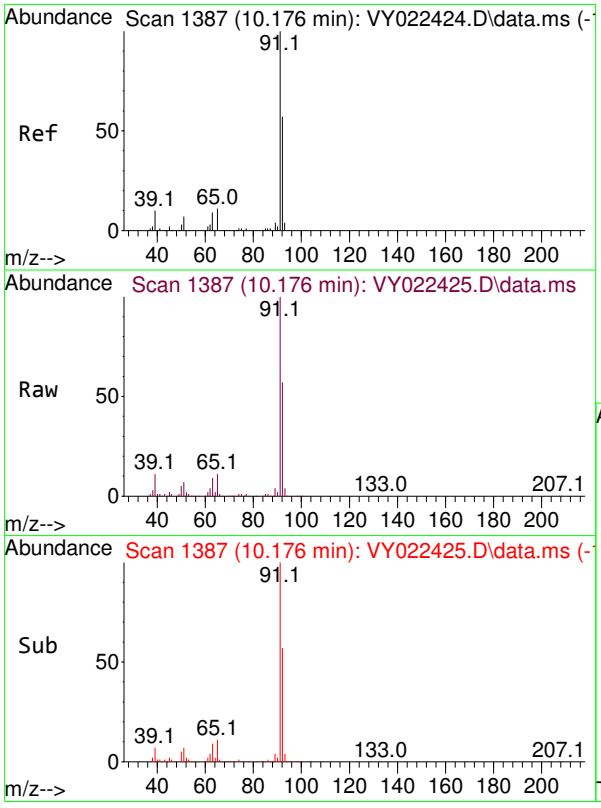
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

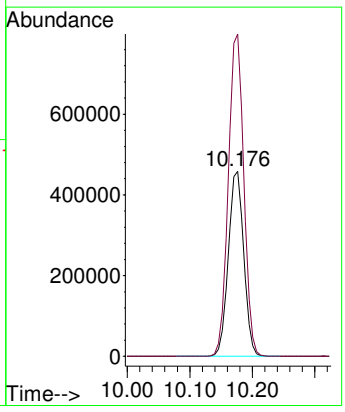


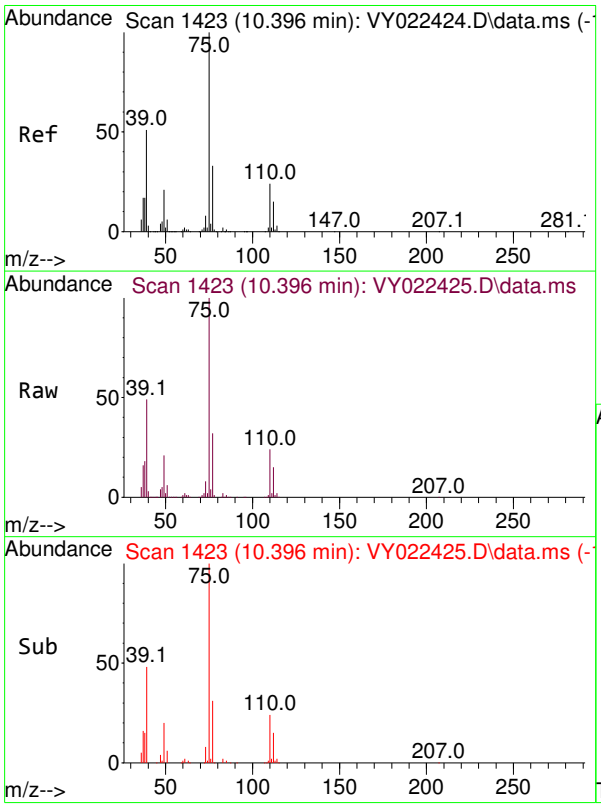


#52
Toluene
Concen: 107.563 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 92 Resp: 780350

Ion	Ratio	Lower	Upper
92	100		
91	175.4	139.8	209.6





#53
t-1,3-Dichloropropene
Concen: 108.544 ug/l
RT: 10.396 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 75 Resp: 39636

Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.2	39.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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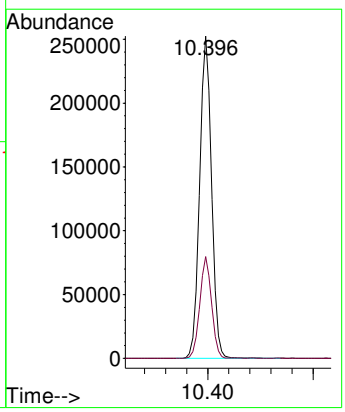
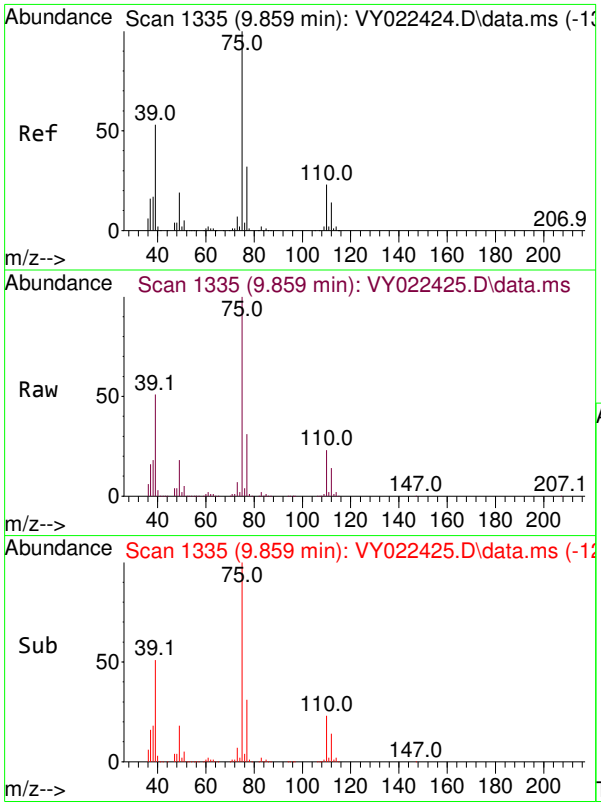
Supervised By :Mahesh Dadoda 05/28/2025

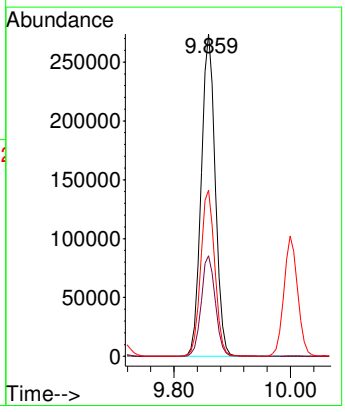


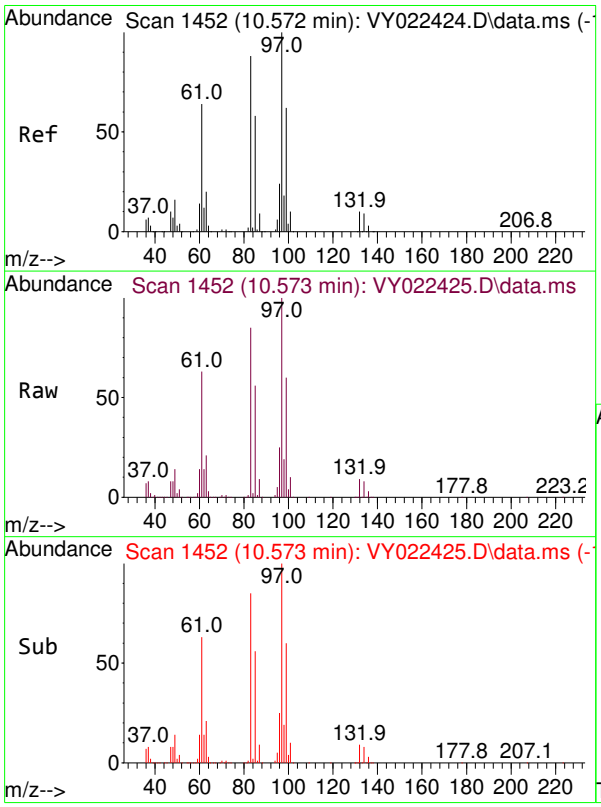


#54
cis-1,3-Dichloropropene
Concen: 107.411 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 75 Resp: 460876

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.2
39	51.4	42.5	63.7

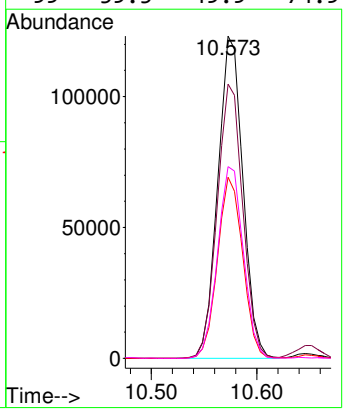




#55
1,1,2-Trichloroethane
Concen: 106.007 ug/l
RT: 10.573 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 97 Resp: 20432

Ion	Ratio	Lower	Upper
97	100		
83	85.1	70.2	105.4
85	56.2	46.1	69.1
99	59.5	49.9	74.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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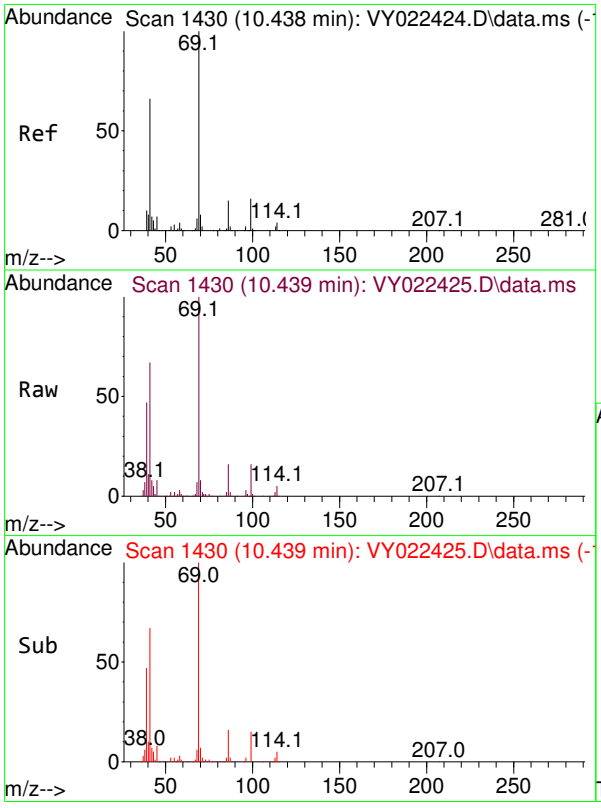
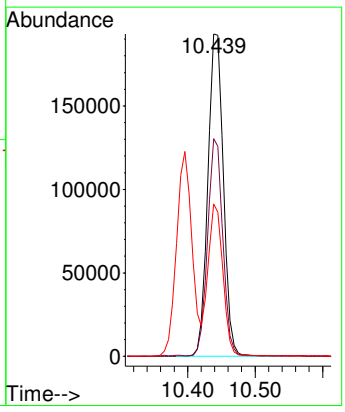
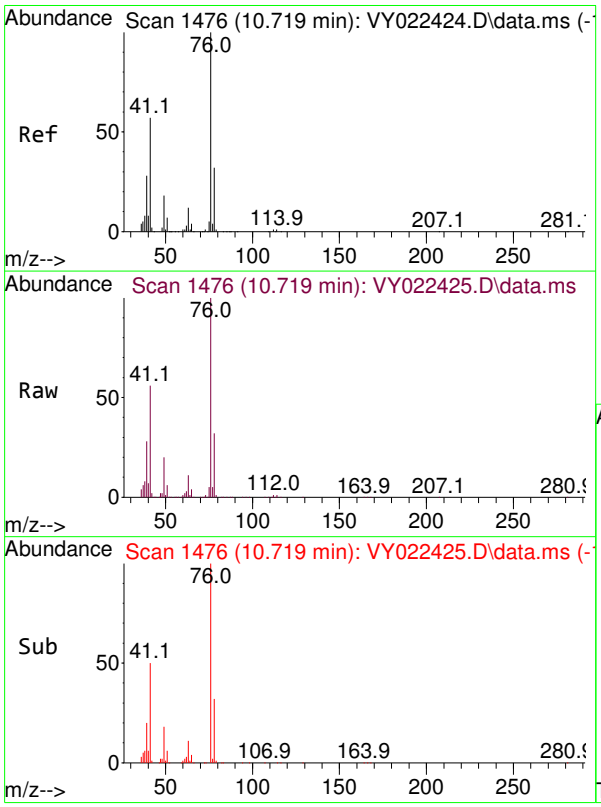


#56
Ethyl methacrylate
Concen: 110.908 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 69 Resp: 306772

Ion	Ratio	Lower	Upper
69	100		
41	65.8	51.2	76.8
39	44.7	35.2	52.8





#57
1,3-Dichloropropane
Concen: 105.893 ug/l
RT: 10.719 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 76 Resp: 35968

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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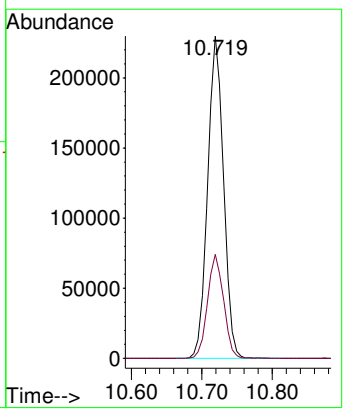
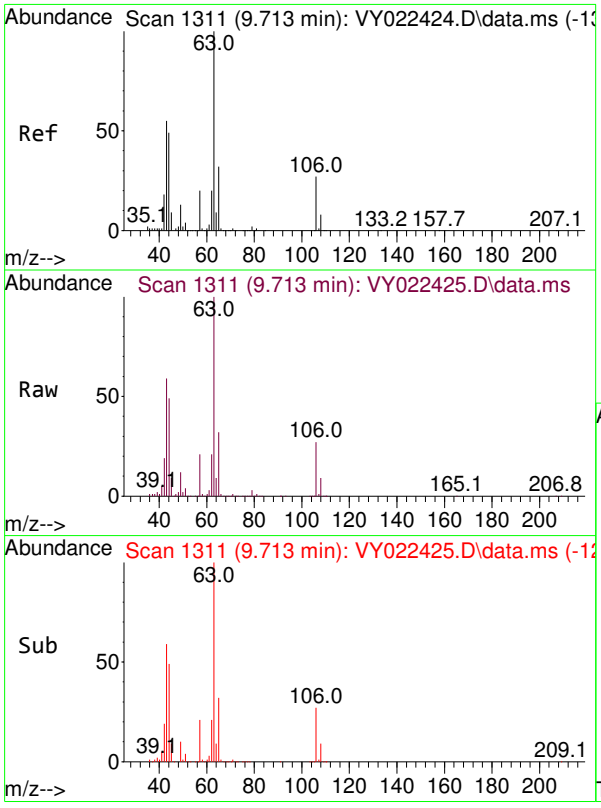
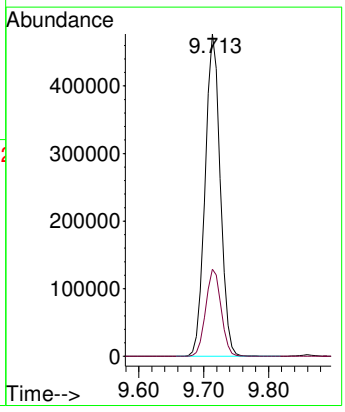


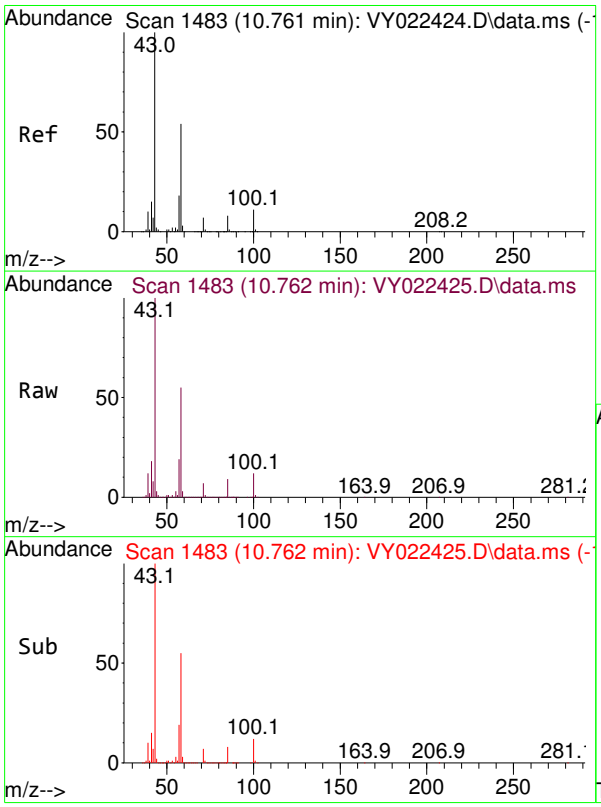


#58
2-Chloroethyl Vinyl ether
Concen: 559.284 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 63 Resp: 770988

Ion	Ratio	Lower	Upper
63	100		
106	27.5	22.2	33.2





#59
2-Hexanone
Concen: 563.900 ug/l
RT: 10.762 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 43 Resp: 66098

Ion	Ratio	Lower	Upper
43	100		
58	55.2	27.1	81.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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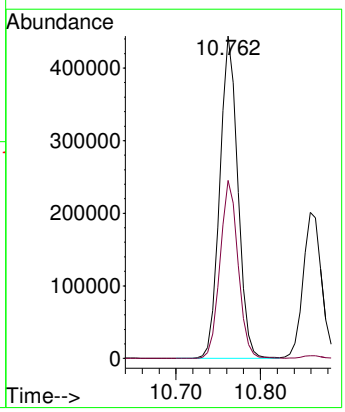
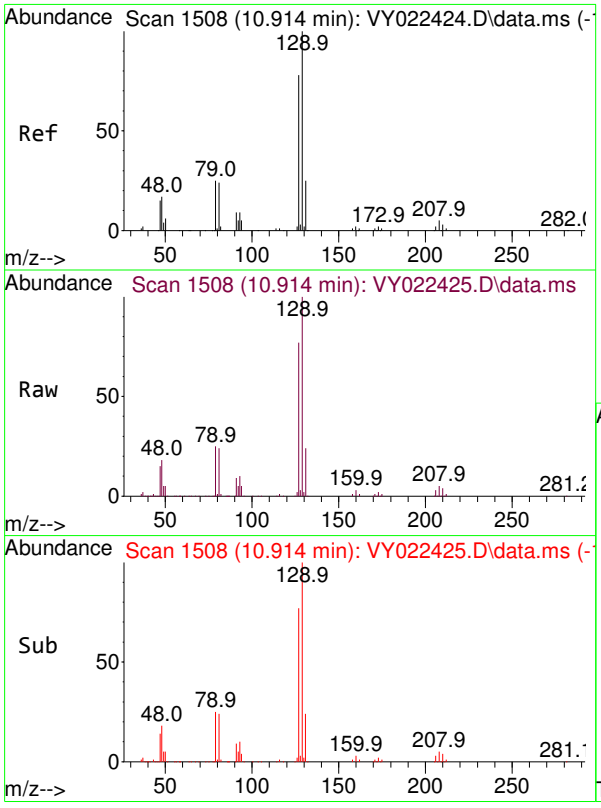
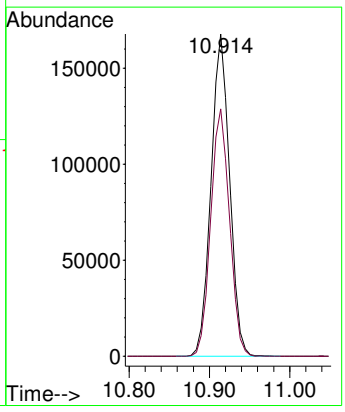


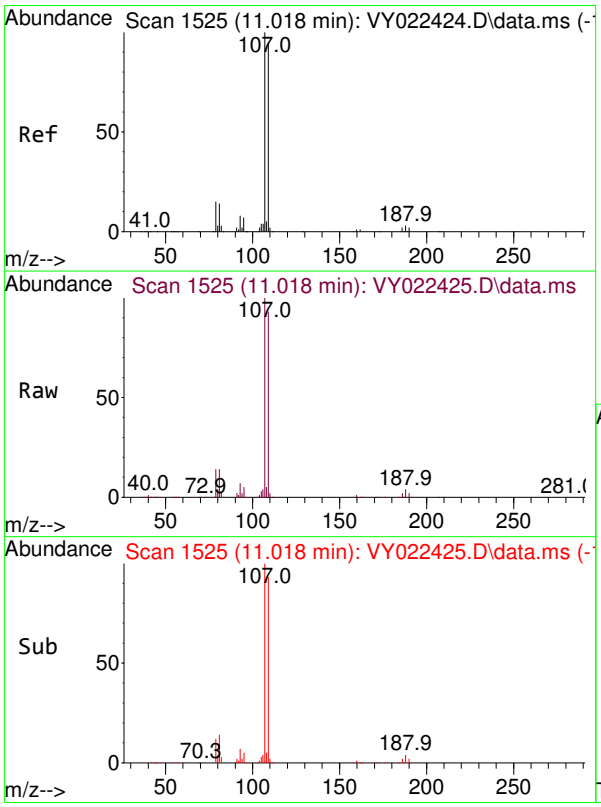


#60
Dibromochloromethane
Concen: 109.221 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:129 Resp: 268919

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.3	114.8

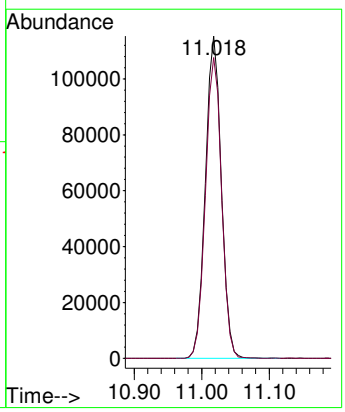




#61
1,2-Dibromoethane
Concen: 106.485 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:107 Resp: 18772

Ion	Ratio	Lower	Upper
107	100		
109	94.6	74.0	111.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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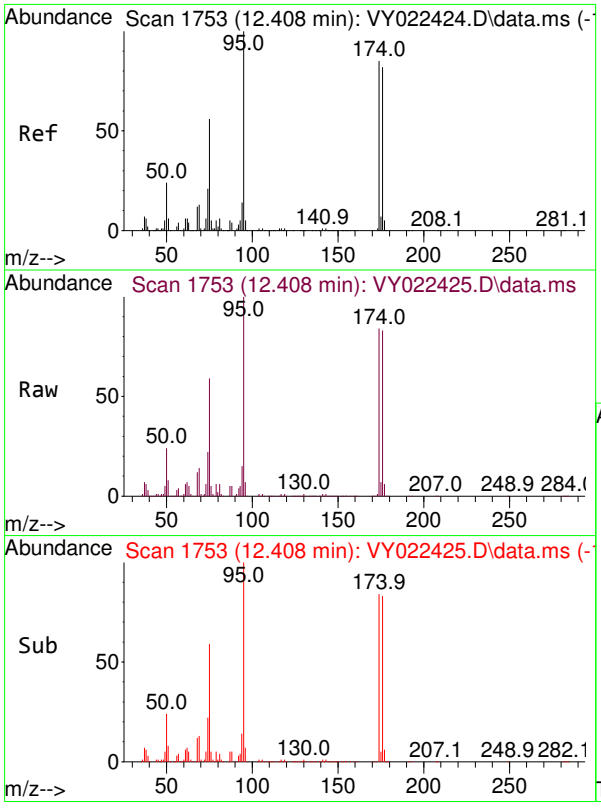
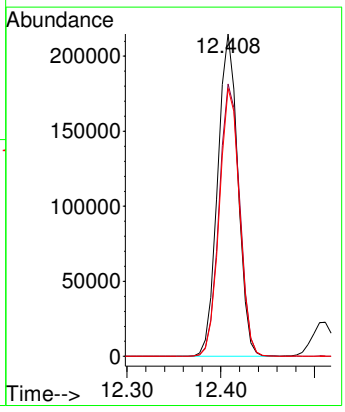
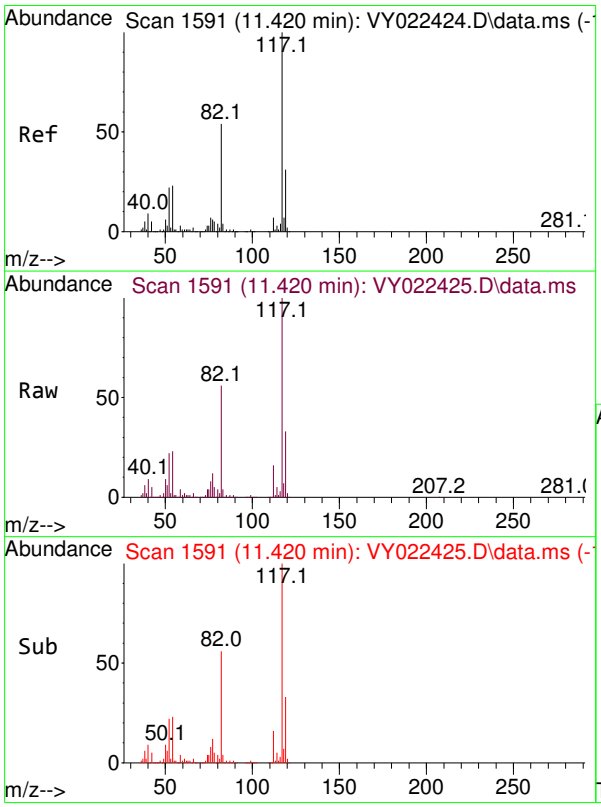


#62
4-Bromofluorobenzene
Concen: 105.861 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 95 Resp: 321108

Ion	Ratio	Lower	Upper
95	100		
174	85.7	0.0	171.6
176	82.9	0.0	164.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:117 Resp: 36414

Ion	Ratio	Lower	Upper
117	100		
82	55.6	43.3	64.9
119	32.5	24.5	36.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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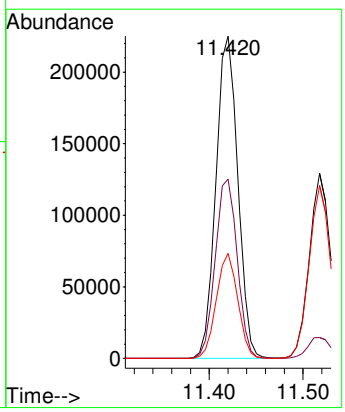
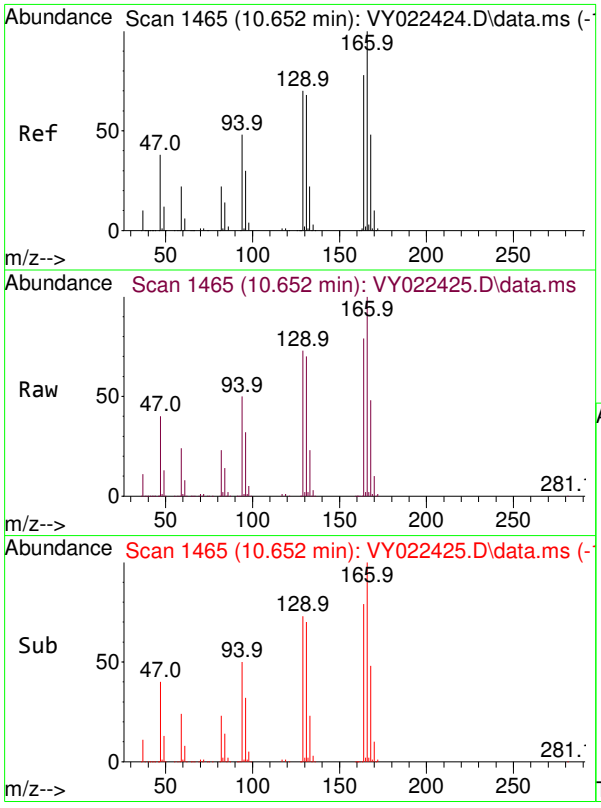
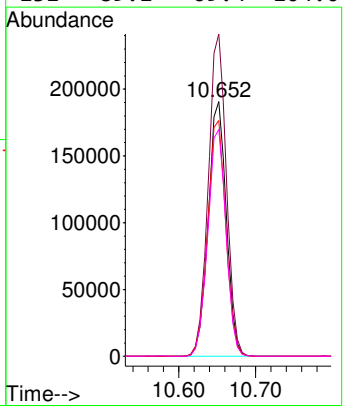


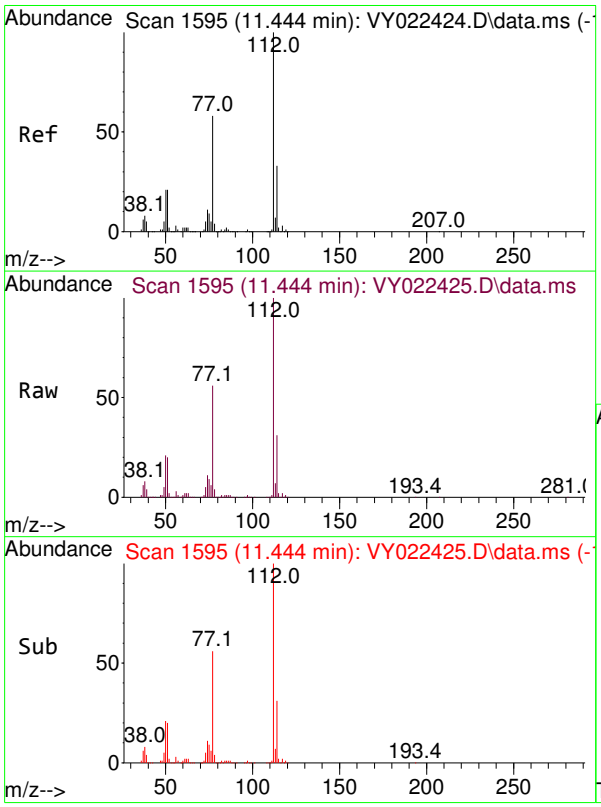


#64
Tetrachloroethene
Concen: 100.828 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:164 Resp: 312696

Ion	Ratio	Lower	Upper
164	100		
166	126.5	102.0	153.0
129	92.5	71.3	106.9
131	89.1	69.4	104.0





#65
Chlorobenzene
Concen: 106.209 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:112 Resp: 82468

Ion	Ratio	Lower	Upper
112	100		
114	31.3	26.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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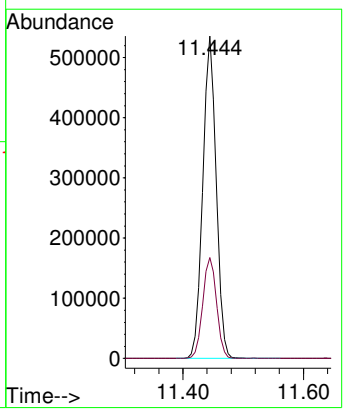
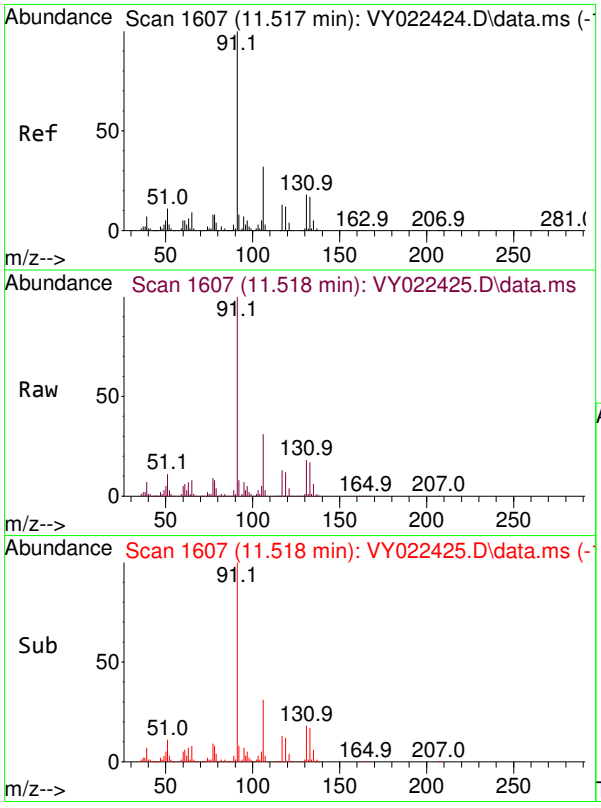
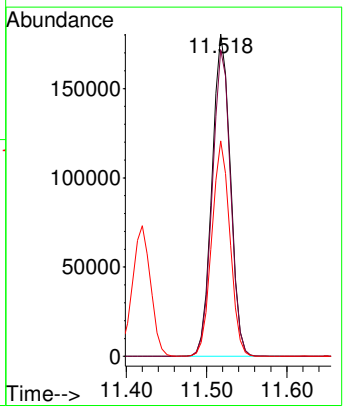


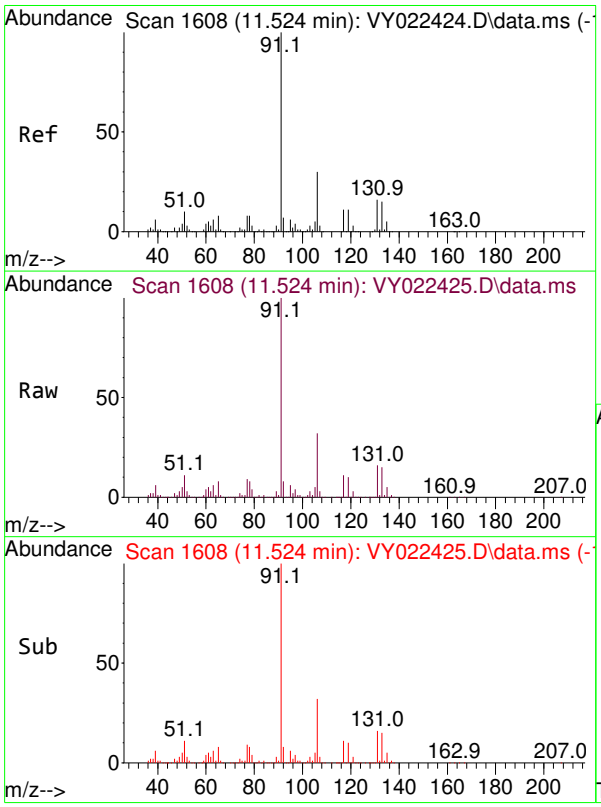


#66
1,1,1,2-Tetrachloroethane
Concen: 108.640 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:131 Resp: 285811

Ion	Ratio	Lower	Upper
131	100		
133	94.9	46.6	139.8
119	66.3	33.3	99.8





#67
Ethyl Benzene
Concen: 108.210 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 91 Resp: 156011

Ion	Ratio	Lower	Upper
91	100		
106	31.6	24.4	36.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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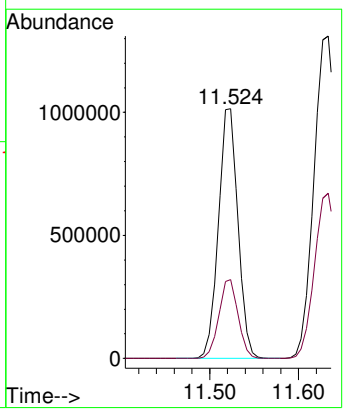
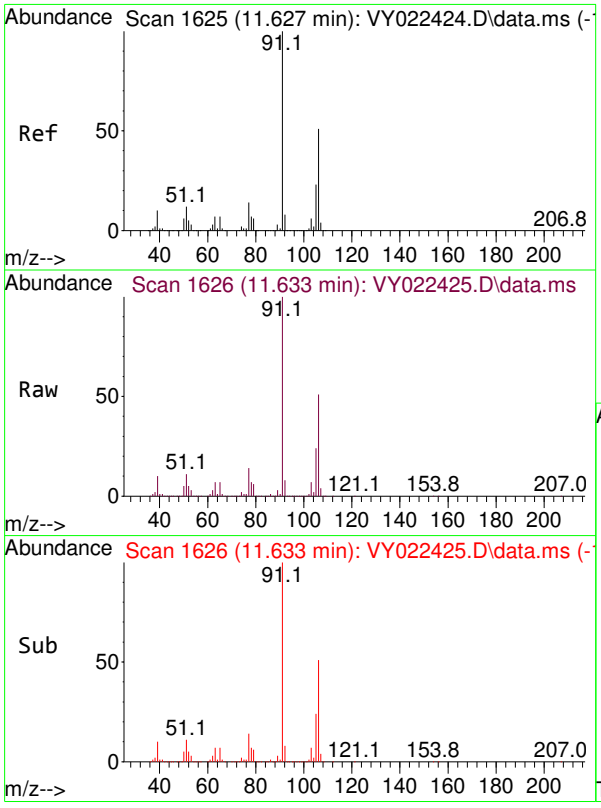
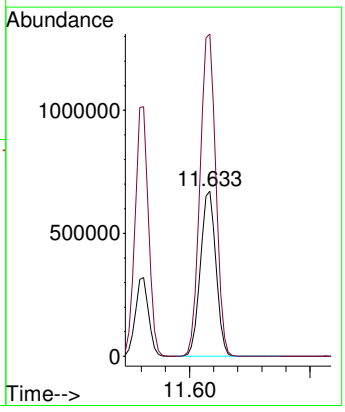


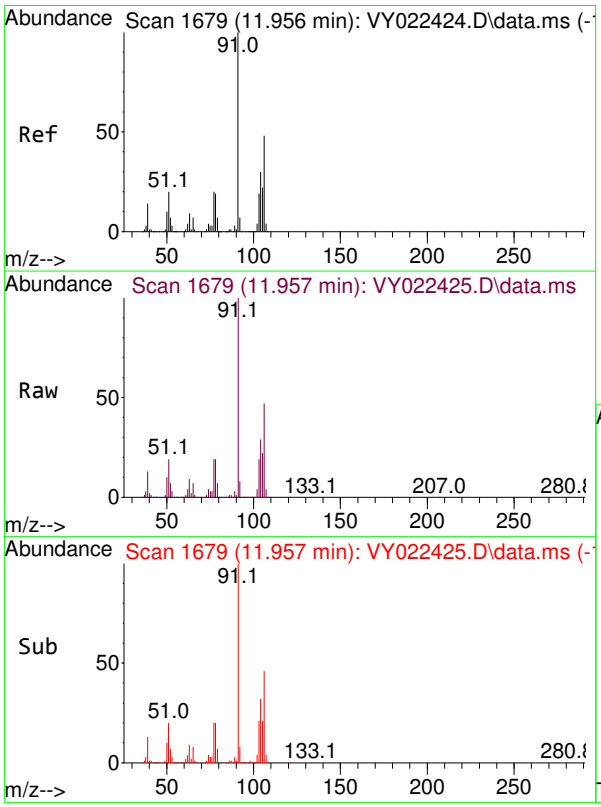


#68
m/p-Xylenes
Concen: 219.811 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:106 Resp: 1201541

Ion	Ratio	Lower	Upper
106	100		
91	198.0	159.8	239.8





#69
o-Xylene
Concen: 108.917 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:106 Resp: 55955

Ion	Ratio	Lower	Upper
106	100		
91	212.1	106.3	318.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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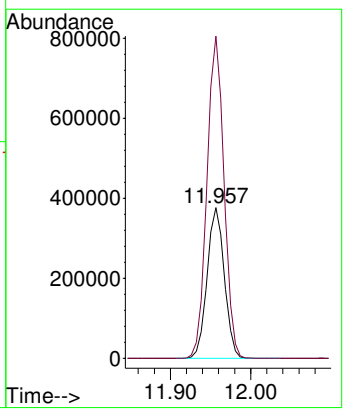
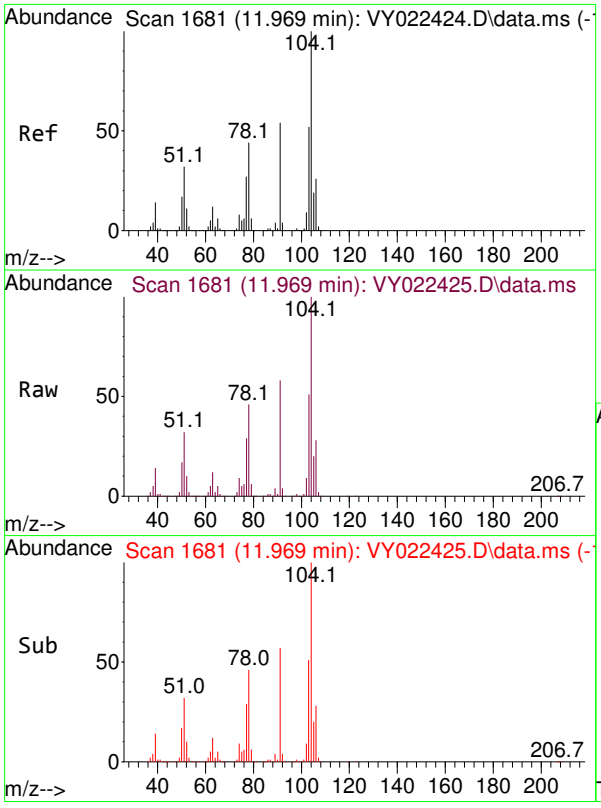
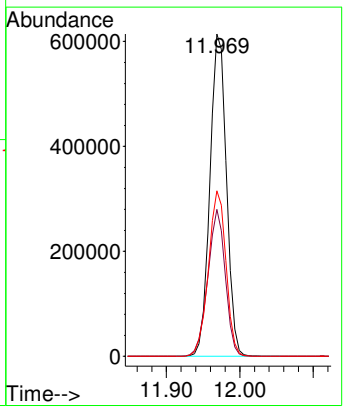


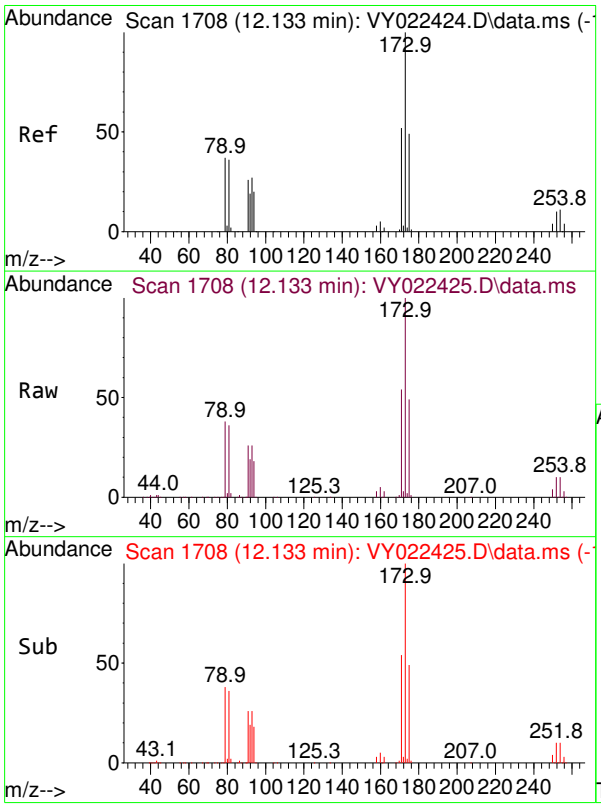


#70
Styrene
Concen: 112.144 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:104 Resp: 959318

Ion	Ratio	Lower	Upper
104	100		
78	48.1	38.8	58.2
103	54.6	43.4	65.2

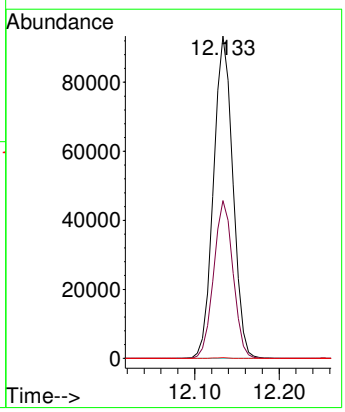




#71
Bromoform
Concen: 108.623 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:173 Resp: 14968

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	73.0
254	0.2	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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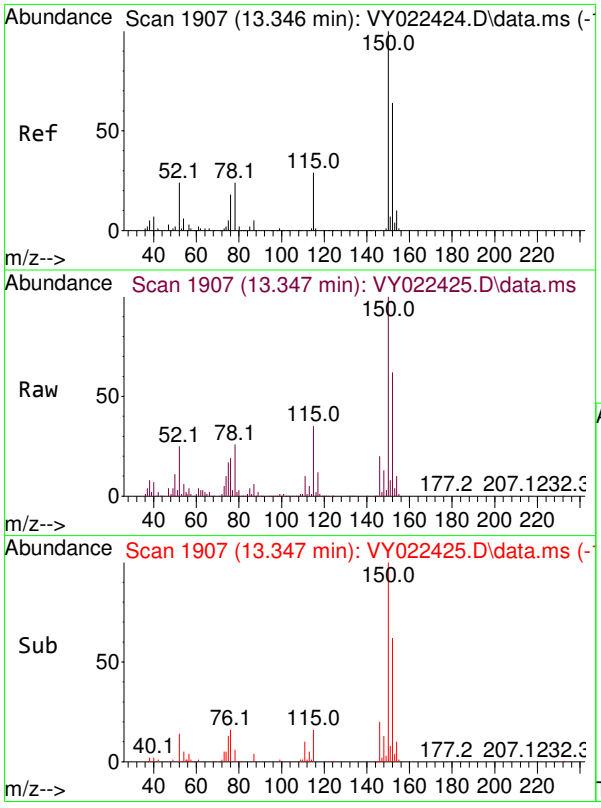
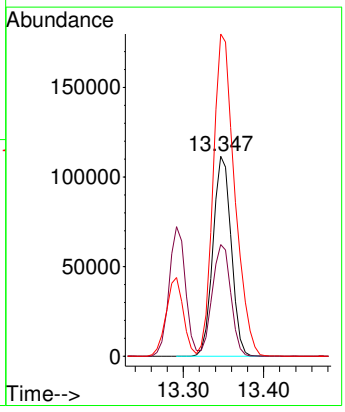
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

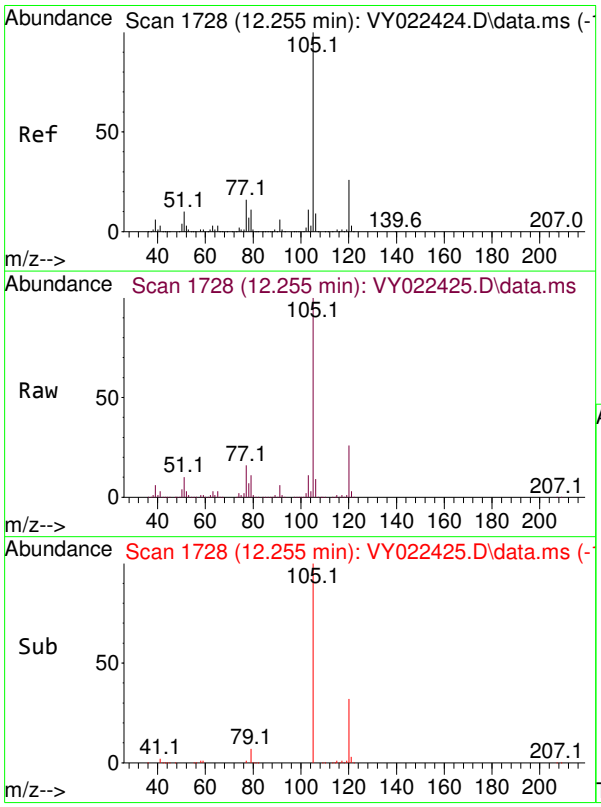


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:152 Resp: 175436

Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.4	85.3
150	190.1	0.0	345.8





#73
Isopropylbenzene
Concen: 104.314 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:105 Resp: 144031

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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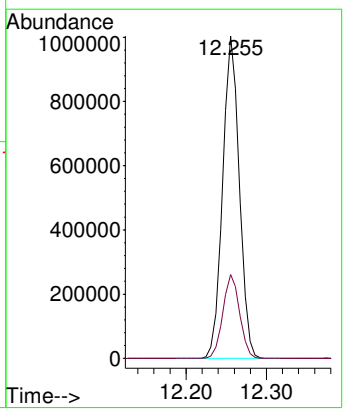
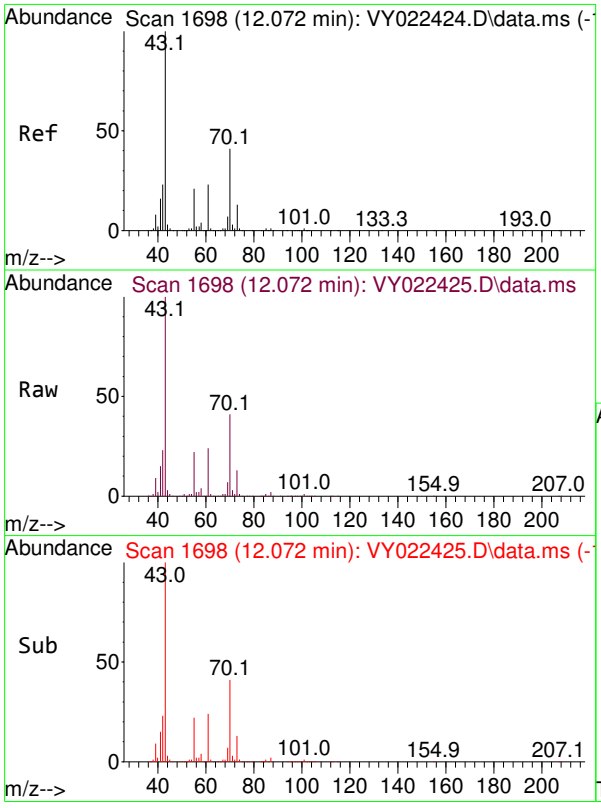
Supervised By :Mahesh Dadoda 05/28/2025

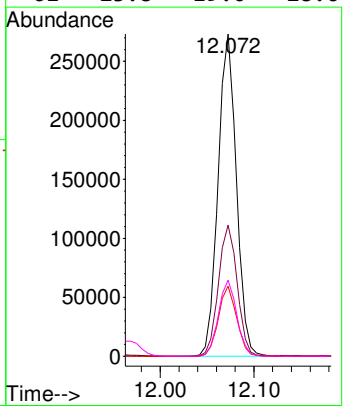


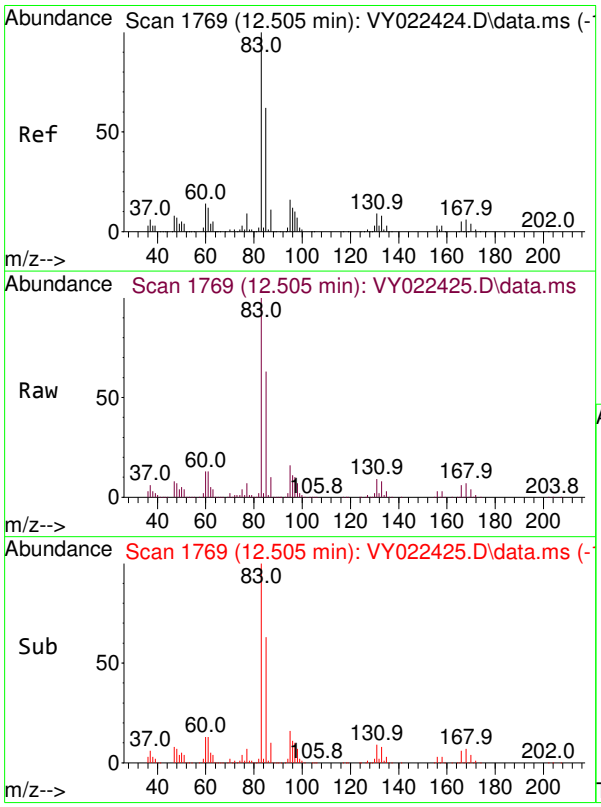


#74
N-amyl acetate
Concen: 109.087 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 43 Resp: 368563

Ion	Ratio	Lower	Upper
43	100		
70	41.8	33.0	49.4
55	21.8	17.5	26.3
61	23.8	19.0	28.6





#75
1,1,2,2-Tetrachloroethane
Concen: 105.191 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 83 Resp: 22883

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.4
85	64.1	32.0	96.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Amit Patel 05/28/2025
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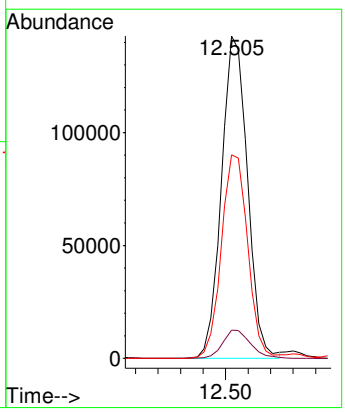
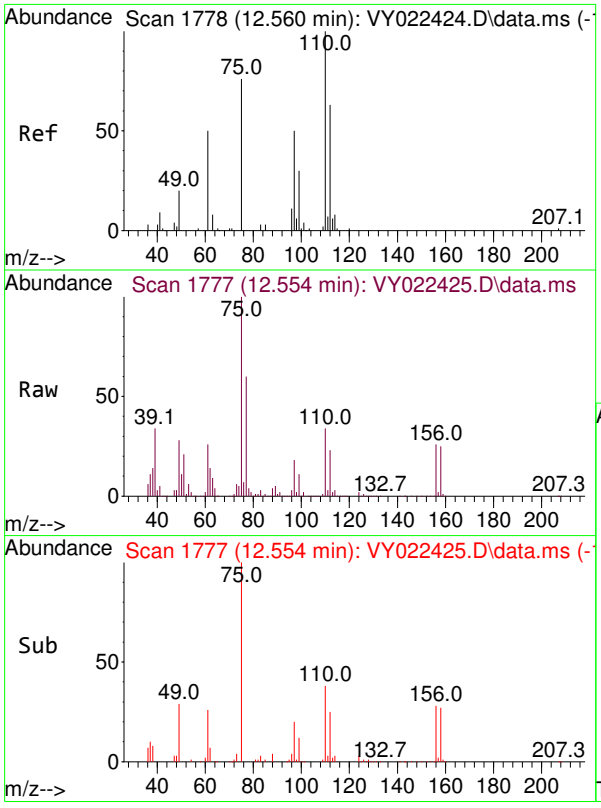
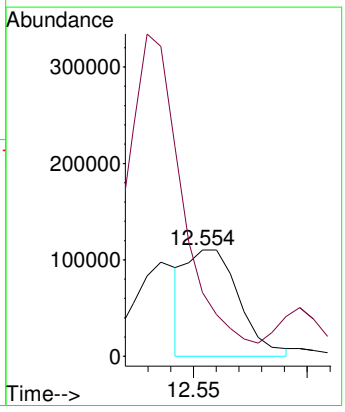


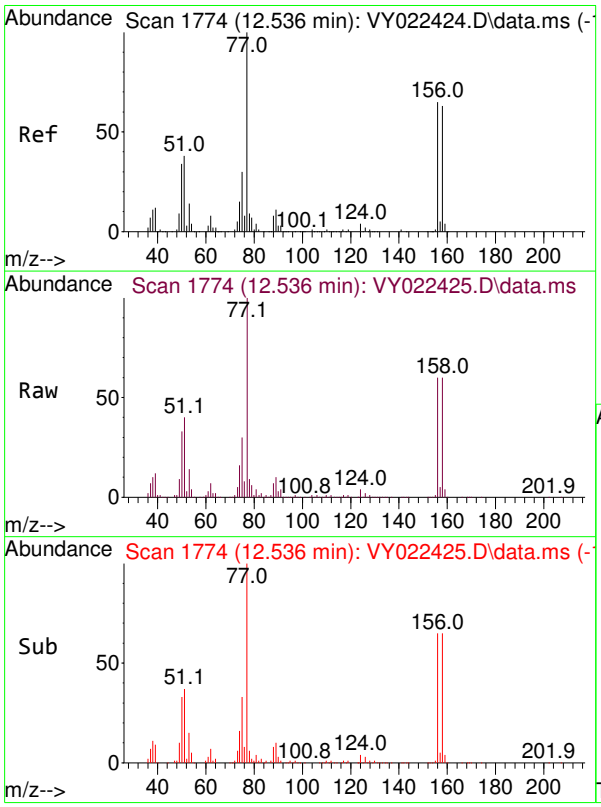


#76
1,2,3-Trichloropropane
Concen: 61.586 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 75 Resp: 178010

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 102.933 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:156 Resp: 30584

Ion	Ratio	Lower	Upper
156	100		
77	188.3	91.4	274.2
158	98.0	48.1	144.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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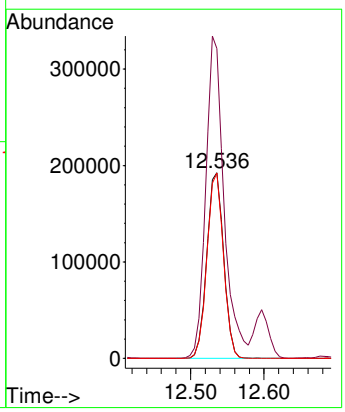
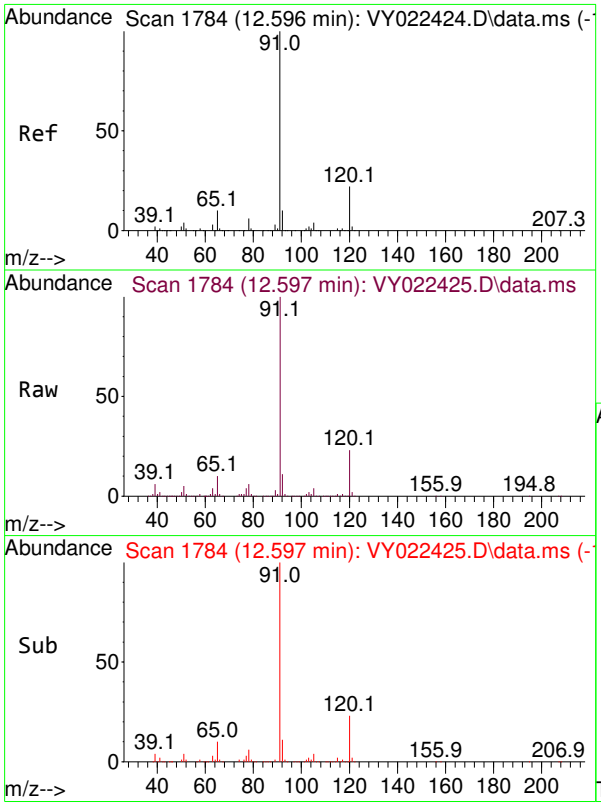
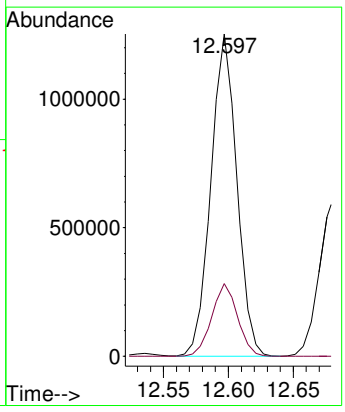


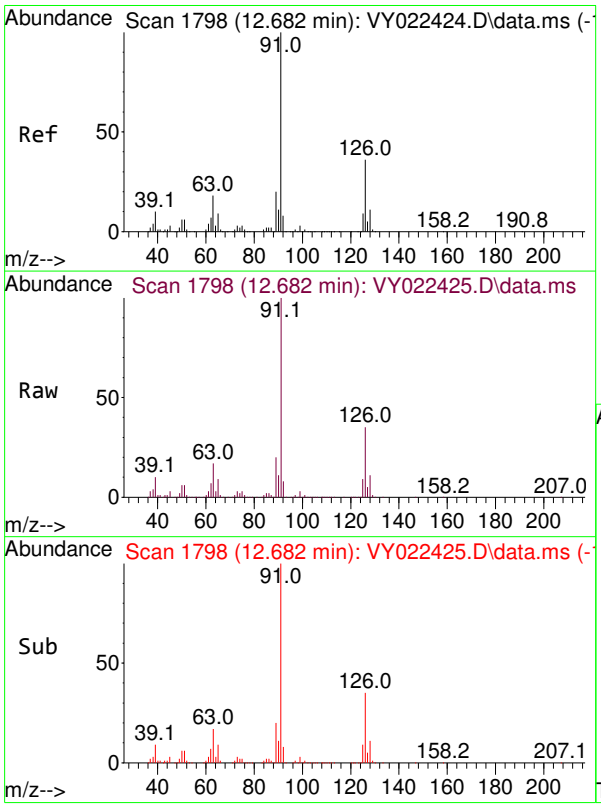


#78
n-propylbenzene
Concen: 104.859 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 91 Resp: 1737515

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.2	33.5





#79
2-Chlorotoluene
Concen: 104.209 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 91 Resp: 93471

Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.4	52.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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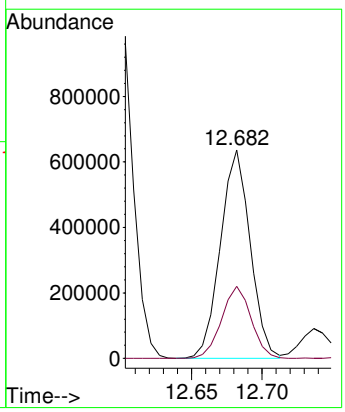
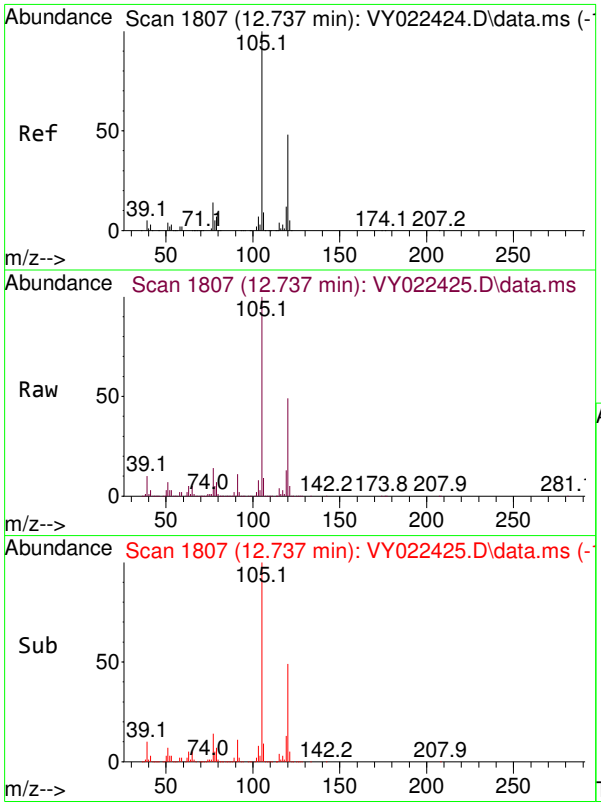
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

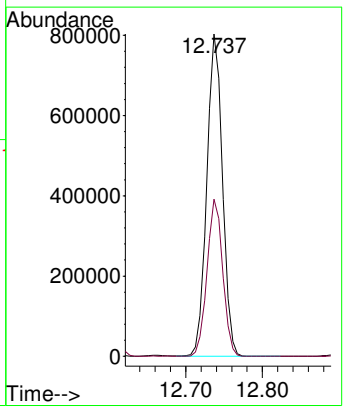


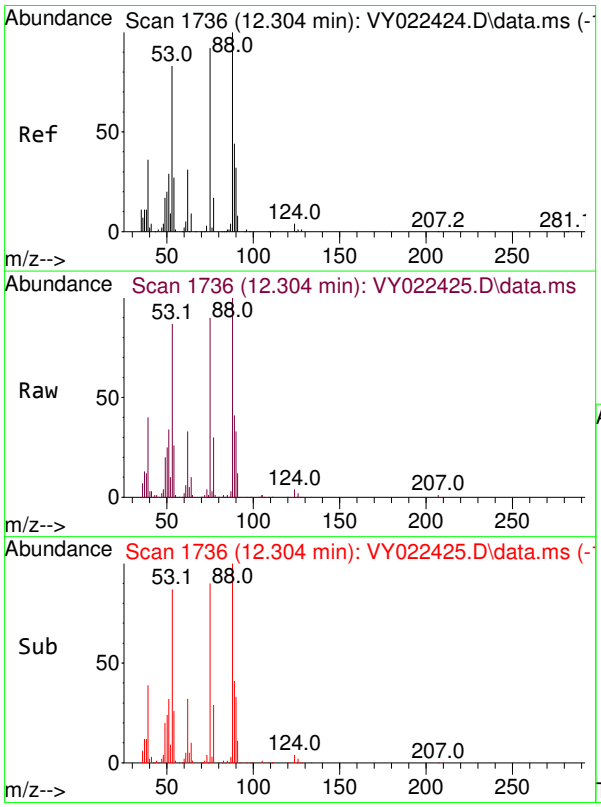


#80
1,3,5-Trimethylbenzene
Concen: 105.961 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:105 Resp: 1143145

Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 103.668 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 75 Resp: 8055

Ion	Ratio	Lower	Upper
75	100		
53	94.1	75.1	112.7
89	45.2	37.4	56.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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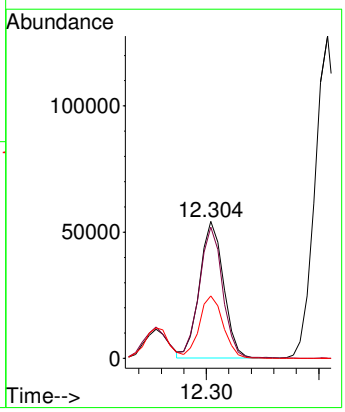
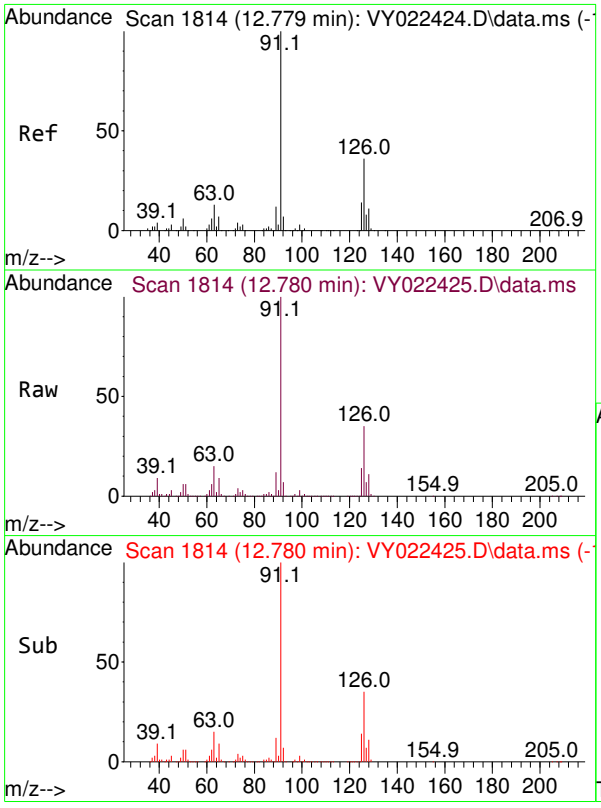
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

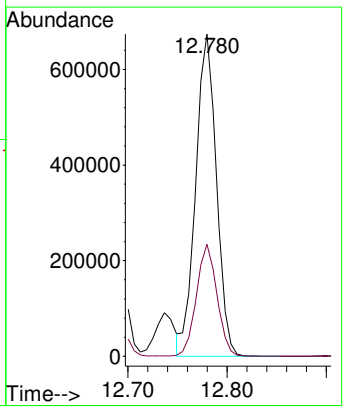


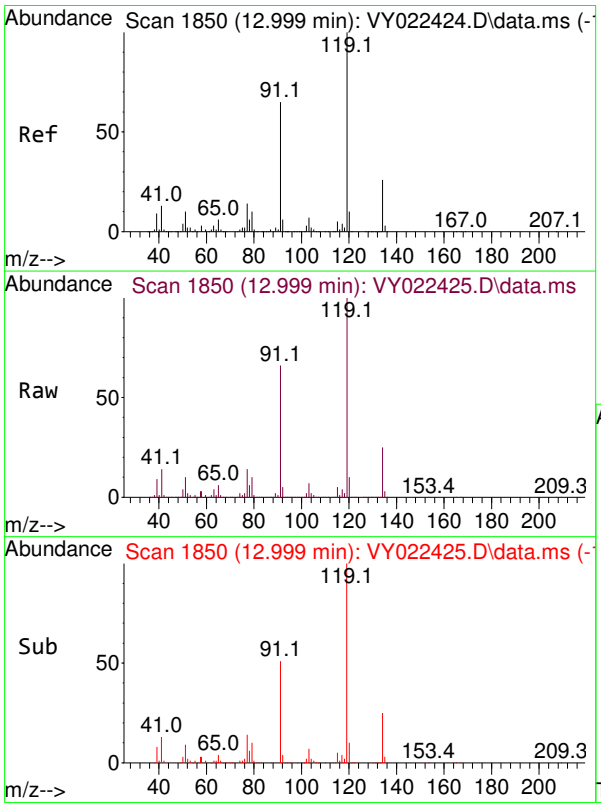


#82
4-Chlorotoluene
Concen: 105.314 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 91 Resp: 972892

Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.2	51.6





#83
tert-Butylbenzene
Concen: 105.025 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:119 Resp: 102370

Ion	Ratio	Lower	Upper
119	100		
91	63.5	31.8	95.3
134	26.0	13.0	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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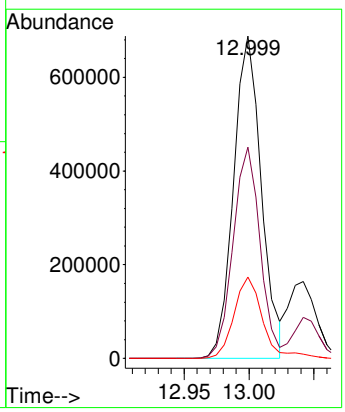
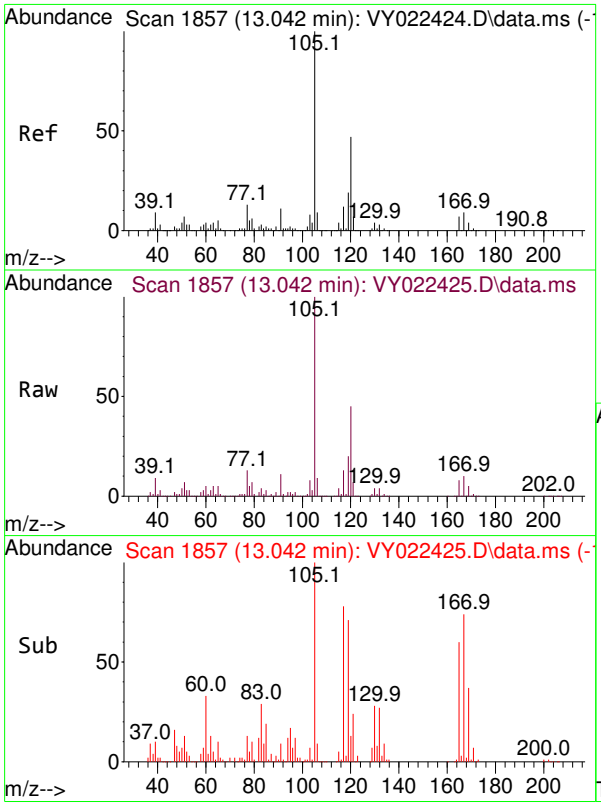
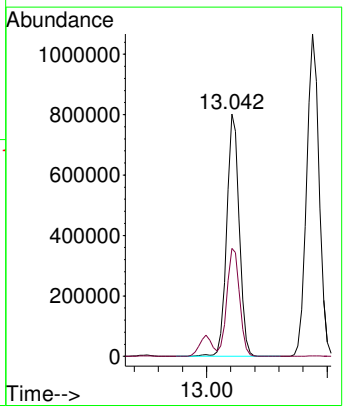


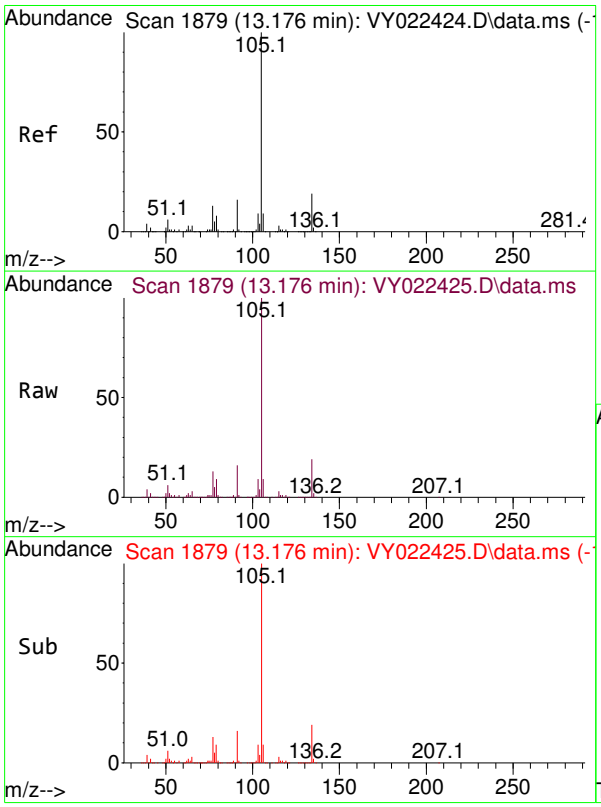


#84
1,2,4-Trimethylbenzene
Concen: 106.843 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:105 Resp: 1159943

Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.9	68.5





#85
sec-Butylbenzene
Concen: 105.741 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:105 Resp: 152852

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.7	29.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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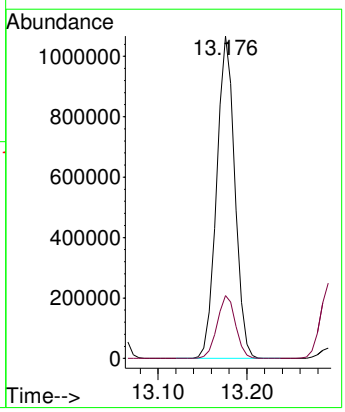
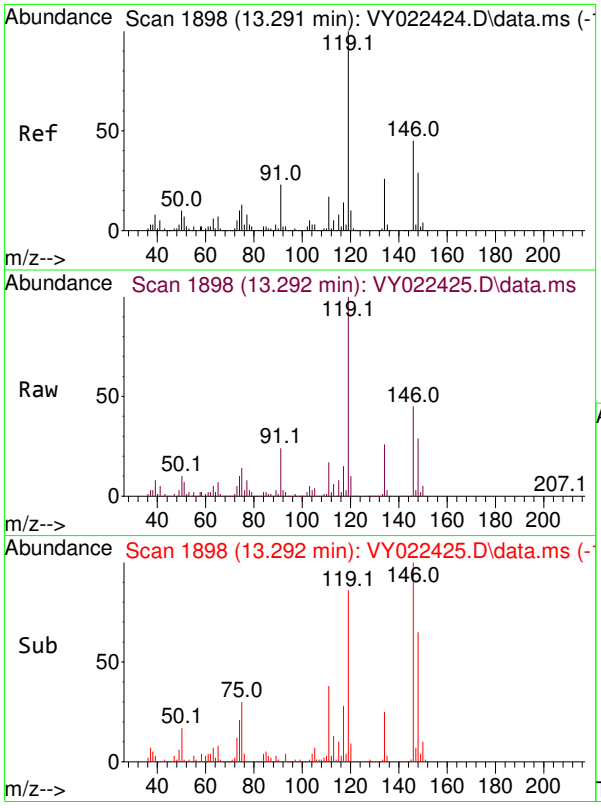
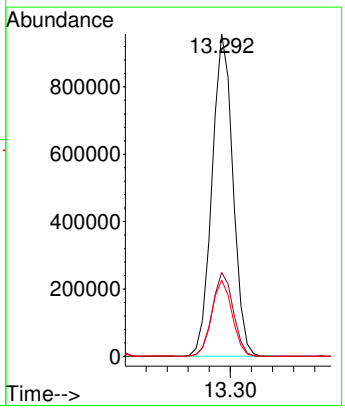


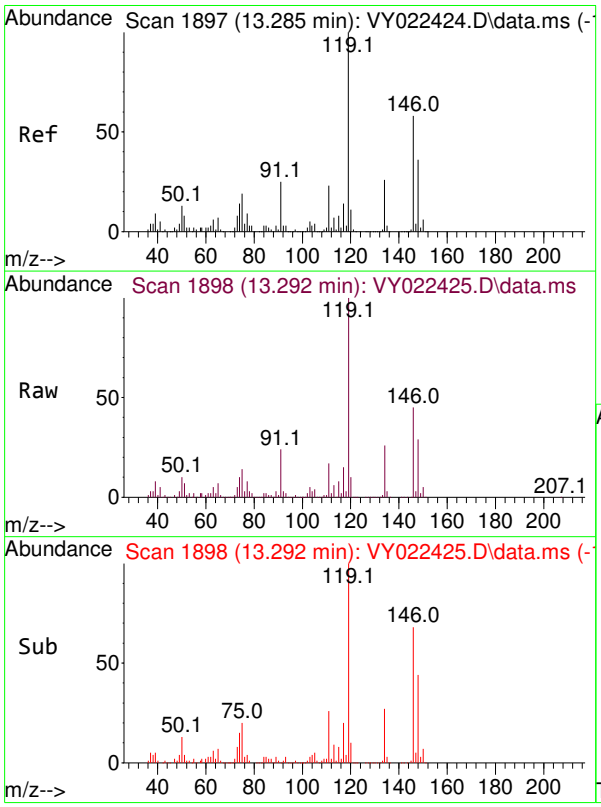


#86
p-Isopropyltoluene
Concen: 109.402 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:119 Resp: 1320591

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	39.0
91	23.3	11.6	34.8





#87
1,3-Dichlorobenzene
Concen: 107.749 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:146 Resp: 64418

Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.6	58.8
148	63.5	31.7	95.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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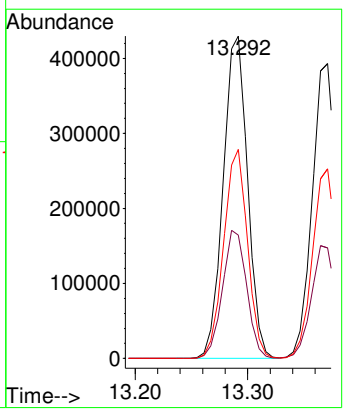
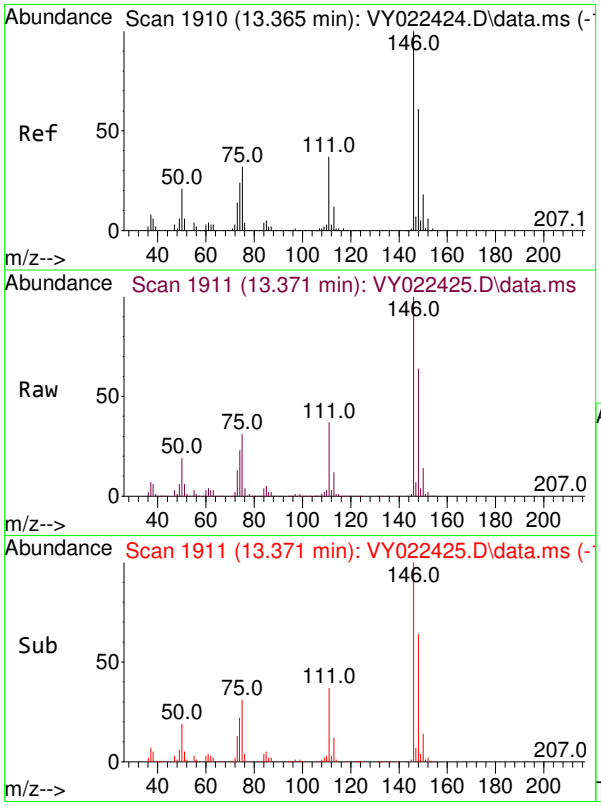
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

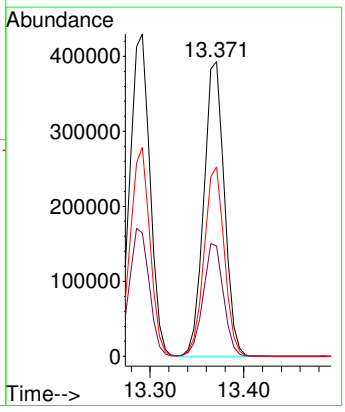


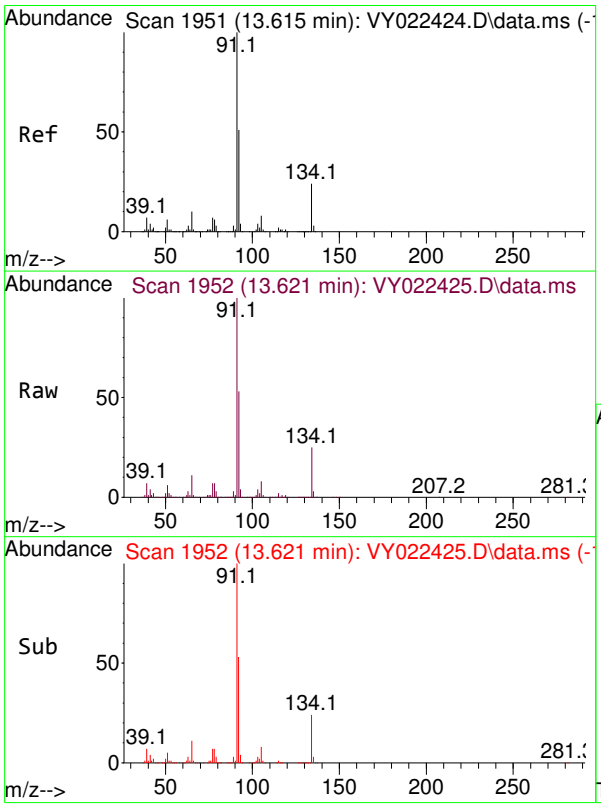


#88
1,4-Dichlorobenzene
Concen: 104.800 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:146 Resp: 599095

Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.7	56.1
148	63.4	31.4	94.3

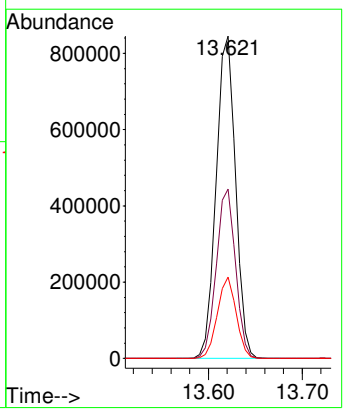




#89
n-Butylbenzene
Concen: 106.731 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 91 Resp: 120797

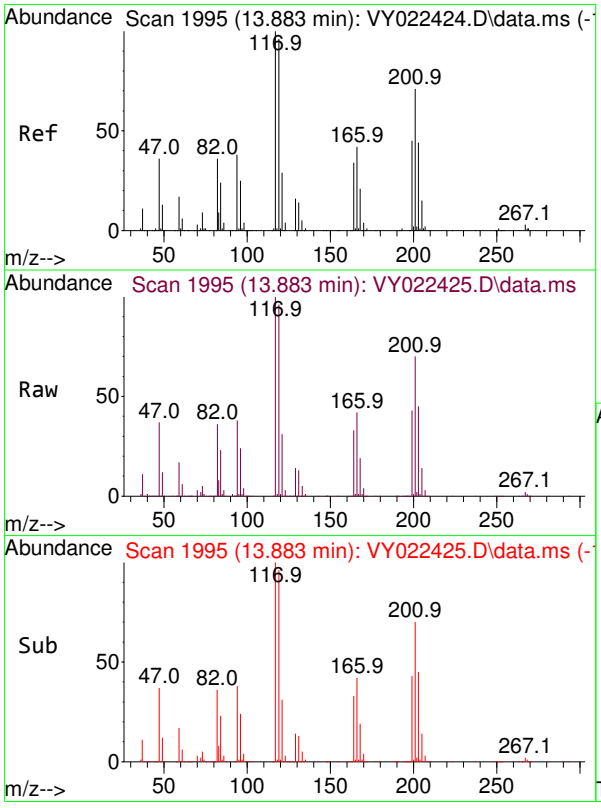
Ion	Ratio	Lower	Upper
91	100		
92	52.2	25.9	77.6
134	24.4	12.4	37.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

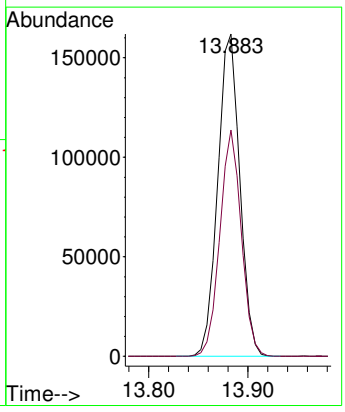
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

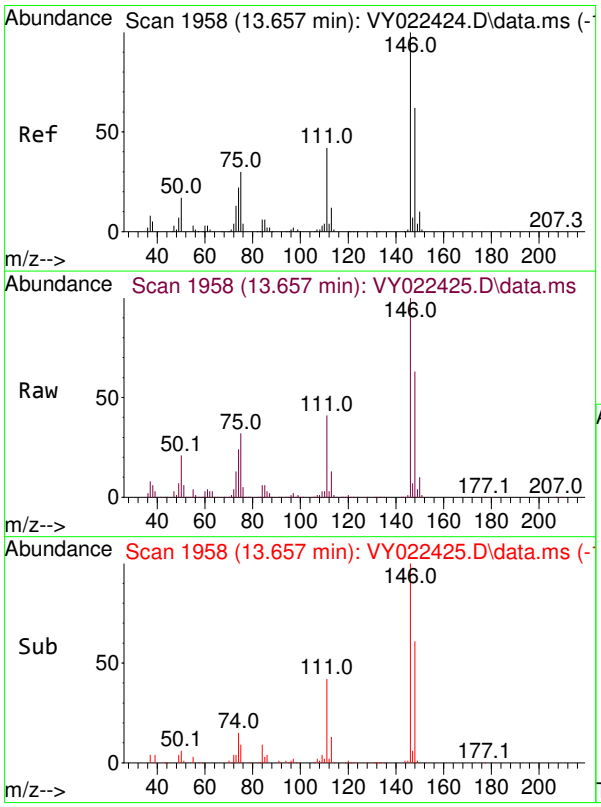


#90
Hexachloroethane
Concen: 104.776 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:117 Resp: 251685

Ion	Ratio	Lower	Upper
117	100		
201	68.2	35.0	105.0





#91
1,2-Dichlorobenzene
Concen: 105.034 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

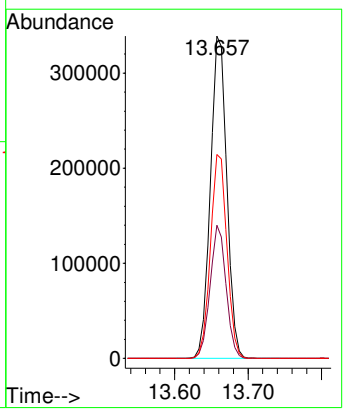
Tgt Ion:146 Resp: 52449

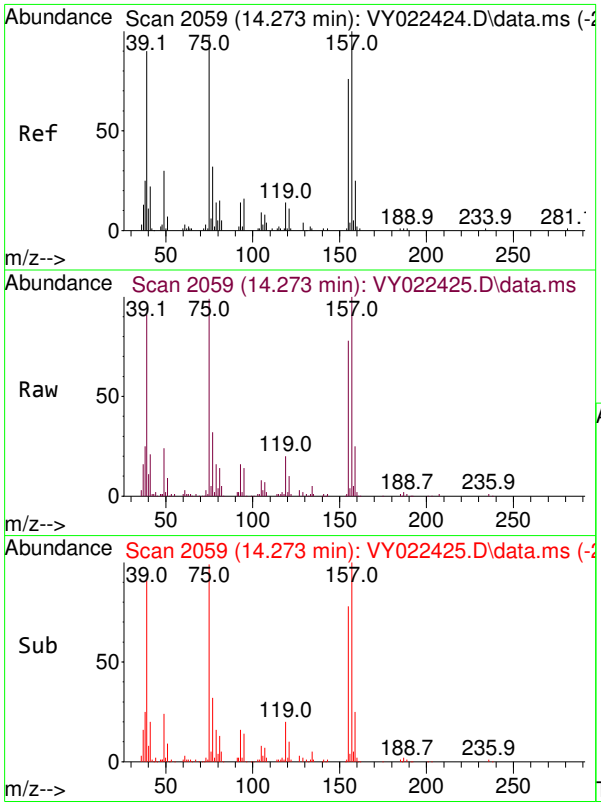
Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.5	61.6
148	63.5	31.9	95.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

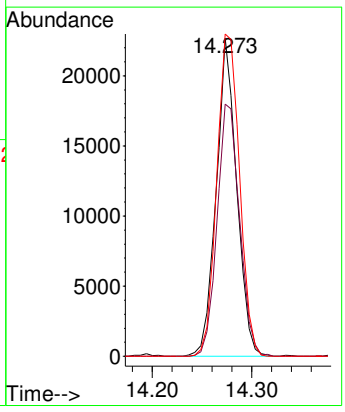


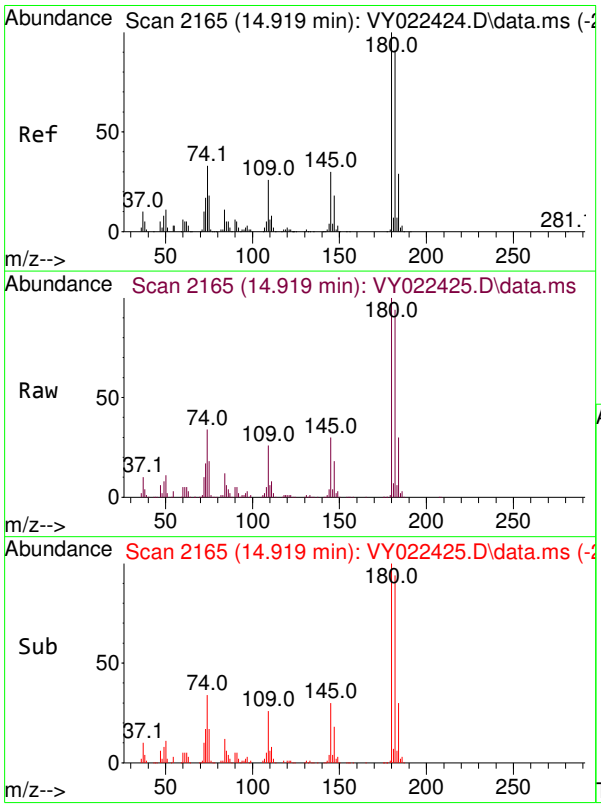


#92
1,2-Dibromo-3-Chloropropane
Concen: 97.318 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion: 75 Resp: 32714

Ion	Ratio	Lower	Upper
75	100		
155	86.8	42.3	126.8
157	112.3	54.4	163.3

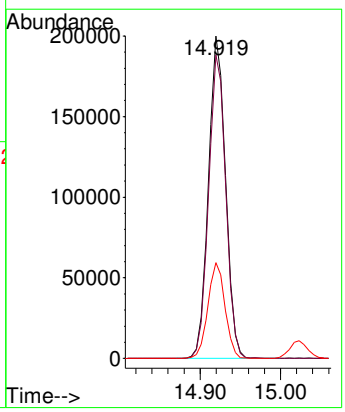




#93
1,2,4-Trichlorobenzene
Concen: 106.731 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:180 Resp: 29547

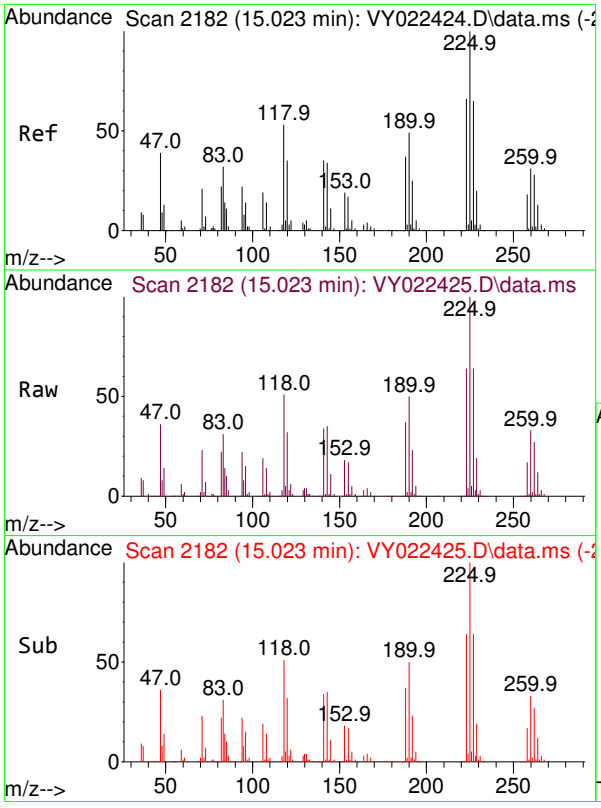
Ion	Ratio	Lower	Upper
180	100		
182	94.4	46.2	138.6
145	29.7	14.2	42.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

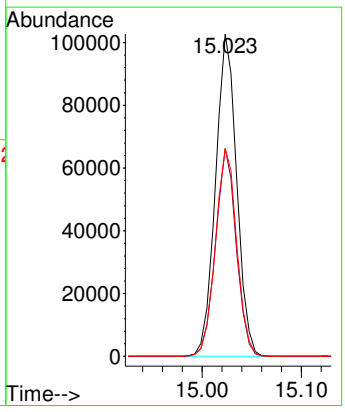
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

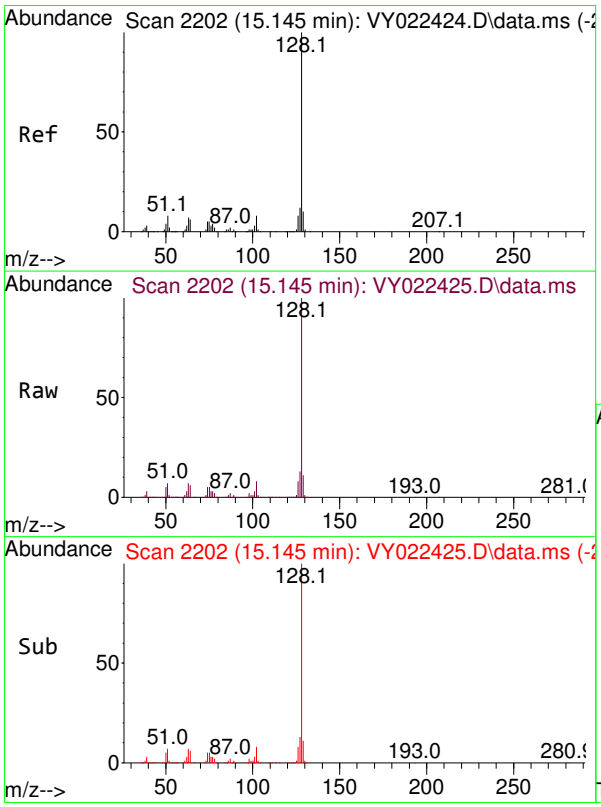


#94
Hexachlorobutadiene
Concen: 105.350 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:225 Resp: 153056

Ion	Ratio	Lower	Upper
225	100		
223	62.9	32.6	97.7
227	64.7	33.0	99.0

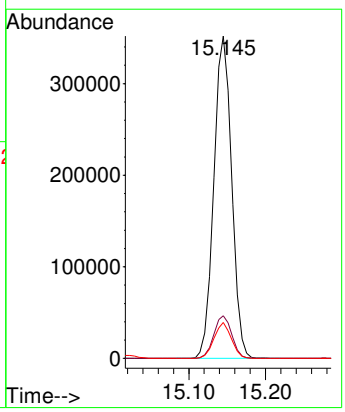




#95
Naphthalene
Concen: 111.021 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:128 Resp: 56818

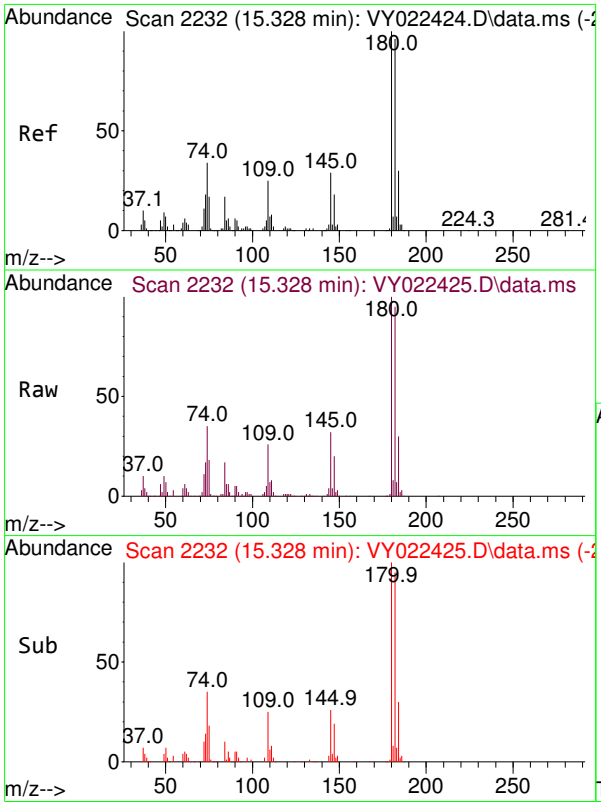
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	10.8	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

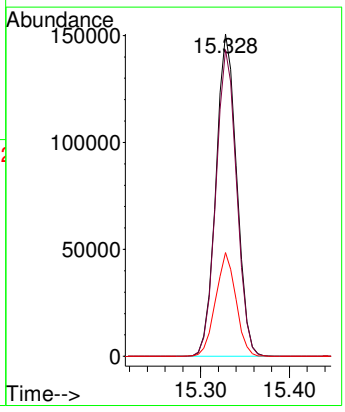
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 108.638 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022425.D
Acq: 27 May 2025 10:22

Tgt Ion:180 Resp: 246652

Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.1	144.3
145	31.4	14.9	44.5



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022426.D
Acq On : 27 May 2025 10:44
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 10:05:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	261566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	431909	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	376608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	182671	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	422539	153.366	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 306.740%#			
35) Dibromofluoromethane	7.640	113	398438	157.523	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 315.040%#			
50) Toluene-d8	10.109	98	1621564	157.262	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 314.520%#			
62) 4-Bromofluorobenzene	12.408	95	487100	156.173	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 312.340%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	336978	135.034	ug/l	98
3) Chloromethane	2.068	50	715868	116.621	ug/l	97
4) Vinyl Chloride	2.208	62	986607	132.303	ug/l	99
5) Bromomethane	2.586	94	1055313	155.728	ug/l	99
6) Chloroethane	2.732	64	711645	146.039	ug/l	100
7) Trichlorofluoromethane	3.050	101	935844	148.741	ug/l	99
8) Diethyl Ether	3.458	74	220632	152.083	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	401637	145.505	ug/l	99
10) Methyl Iodide	4.007	142	499602	160.432	ug/l	99
11) Tert butyl alcohol	4.878	59	150306	773.955	ug/l	98
12) 1,1-Dichloroethene	3.793	96	404241	147.508	ug/l	98
13) Acrolein	3.653	56	224761	772.427	ug/l	99
14) Allyl chloride	4.385	41	634755	153.977	ug/l	99
15) Acrylonitrile	5.067	53	455189	778.419	ug/l	99
16) Acetone	3.873	43	327320	722.994	ug/l #	85
17) Carbon Disulfide	4.110	76	1295027	148.080	ug/l	100
18) Methyl Acetate	4.385	43	300253	177.047	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	1134189	155.888	ug/l	100
20) Methylene Chloride	4.616	84	426225	133.322	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	456846	152.698	ug/l	99
22) Diisopropyl ether	6.025	45	1404193	154.338	ug/l	96
23) Vinyl Acetate	5.964	43	4042390	773.807	ug/l	100
24) 1,1-Dichloroethane	5.921	63	828730	154.149	ug/l	99
25) 2-Butanone	6.896	43	603839	800.866	ug/l	99
26) 2,2-Dichloropropane	6.890	77	737854	151.572	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	537325	155.137	ug/l	99
28) Bromochloromethane	7.250	49	342656	152.635	ug/l	98
29) Tetrahydrofuran	7.268	42	397295	790.090	ug/l	100
30) Chloroform	7.427	83	814685	153.787	ug/l	98
31) Cyclohexane	7.707	56	730410	137.826	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	737686	153.436	ug/l	100
36) 1,1-Dichloropropene	7.841	75	623501	155.342	ug/l	100
37) Ethyl Acetate	6.988	43	261975	153.581	ug/l	99
38) Carbon Tetrachloride	7.823	117	663867	158.776	ug/l	99
39) Methylcyclohexane	9.109	83	824642	154.561	ug/l	99
40) Benzene	8.085	78	1893003	158.501	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022426.D
Acq On : 27 May 2025 10:44
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 10:05:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	171379m	76.337	ug/l		
42) 1,2-Dichloroethane	8.158	62	497991	157.877	ug/l		100
43) Isopropyl Acetate	8.201	43	587308	157.564	ug/l		100
44) Trichloroethene	8.866	130	449921	152.390	ug/l		95
45) 1,2-Dichloropropane	9.146	63	438721	156.346	ug/l		99
46) Dibromomethane	9.231	93	249636	159.252	ug/l		99
47) Bromodichloromethane	9.426	83	639597	158.668	ug/l		98
48) Methyl methacrylate	9.225	41	288821	166.922	ug/l		98
49) 1,4-Dioxane	9.231	88	55890	3228.011	ug/l		98
51) 4-Methyl-2-Pentanone	9.999	43	1565663	851.310	ug/l		100
52) Toluene	10.170	92	1239585	166.170	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	612236	163.055	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	708367	160.557	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	314785	158.829	ug/l		99
56) Ethyl methacrylate	10.438	69	478765	168.334	ug/l		98
57) 1,3-Dichloropropane	10.719	76	549047	157.203	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	1202134	848.088	ug/l		100
59) 2-Hexanone	10.762	43	1032146	856.364	ug/l		99
60) Dibromochloromethane	10.914	129	415432	164.093	ug/l		99
61) 1,2-Dibromoethane	11.018	107	292010	161.091	ug/l		98
64) Tetrachloroethene	10.652	164	466490	145.442	ug/l		99
65) Chlorobenzene	11.444	112	1273300	158.560	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	454374	166.998	ug/l		98
67) Ethyl Benzene	11.518	91	2468130	165.526	ug/l		99
68) m/p-Xylenes	11.633	106	1900132	336.111	ug/l		99
69) o-Xylene	11.956	106	894394	168.335	ug/l		99
70) Styrene	11.969	104	1535004	173.504	ug/l		99
71) Bromoform	12.133	173	237301	166.508	ug/l	#	100
73) Isopropylbenzene	12.255	105	2238981	155.735	ug/l		100
74) N-amyl acetate	12.072	43	561846	159.709	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	357601	157.873	ug/l		100
76) 1,2,3-Trichloropropane	12.560	75	280272m	93.124	ug/l		
77) Bromobenzene	12.530	156	484799	156.697	ug/l		98
78) n-propylbenzene	12.597	91	2681276	155.406	ug/l		100
79) 2-Chlorotoluene	12.682	91	1451439	155.407	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	1785622	158.958	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	129469	160.016	ug/l		96
82) 4-Chlorotoluene	12.779	91	1513977	157.395	ug/l		100
83) tert-Butylbenzene	12.999	119	1594195	157.076	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	1831722	162.038	ug/l		100
85) sec-Butylbenzene	13.176	105	2373216	157.674	ug/l		99
86) p-Isopropyltoluene	13.292	119	2084441	165.843	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	1027086	164.991	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	924346	155.292	ug/l		99
89) n-Butylbenzene	13.621	91	1889271	160.316	ug/l		99
90) Hexachloroethane	13.883	117	386833	154.660	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	812262	156.218	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	52777	150.784	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	468879	162.662	ug/l		98
94) Hexachlorobutadiene	15.023	225	236480	156.325	ug/l		97
95) Naphthalene	15.145	128	915763	171.849	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	395519	167.307	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022426.D
Acq On : 27 May 2025 10:44
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 10:05:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 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

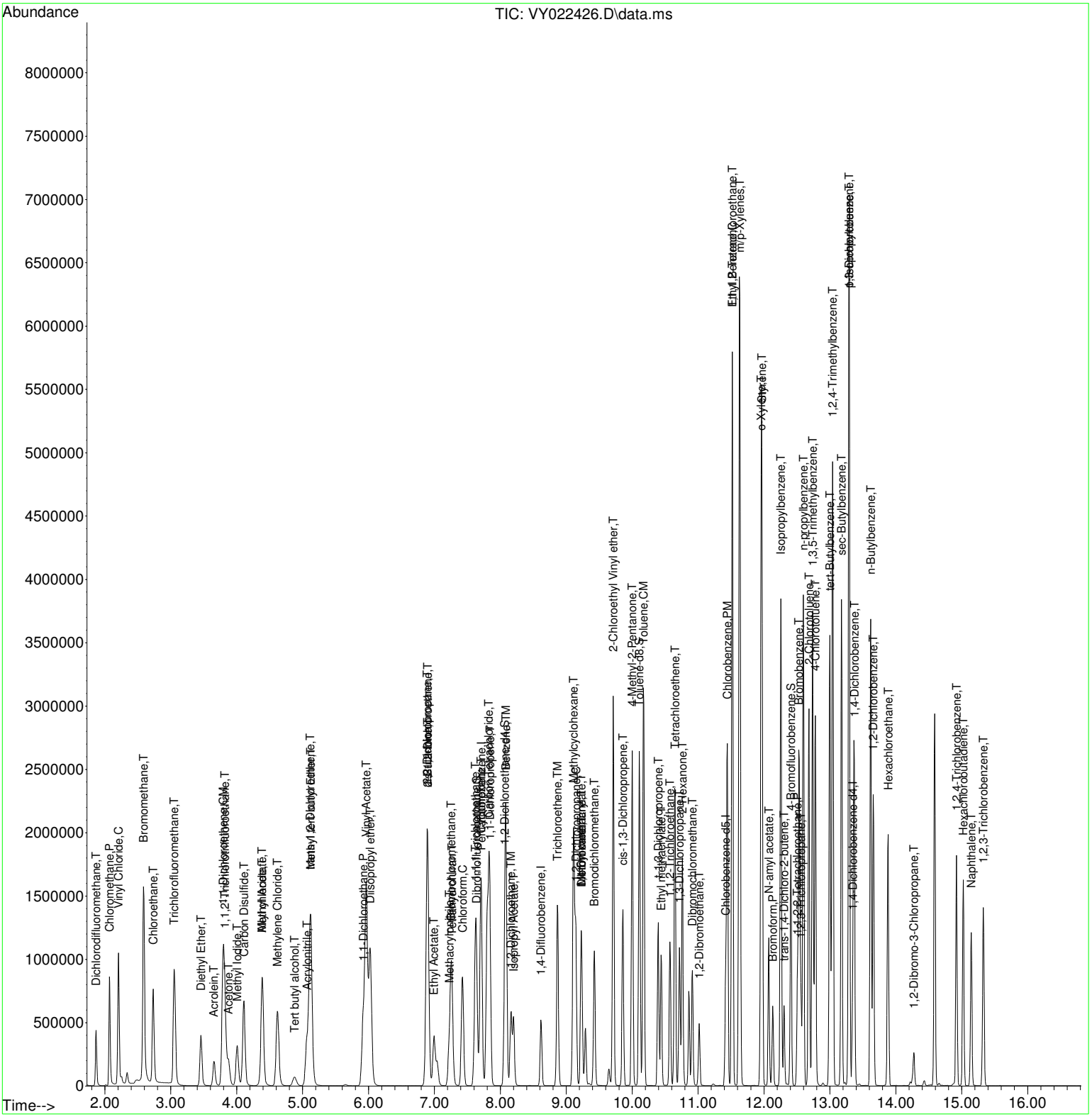
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022426.D
Acq On : 27 May 2025 10:44
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

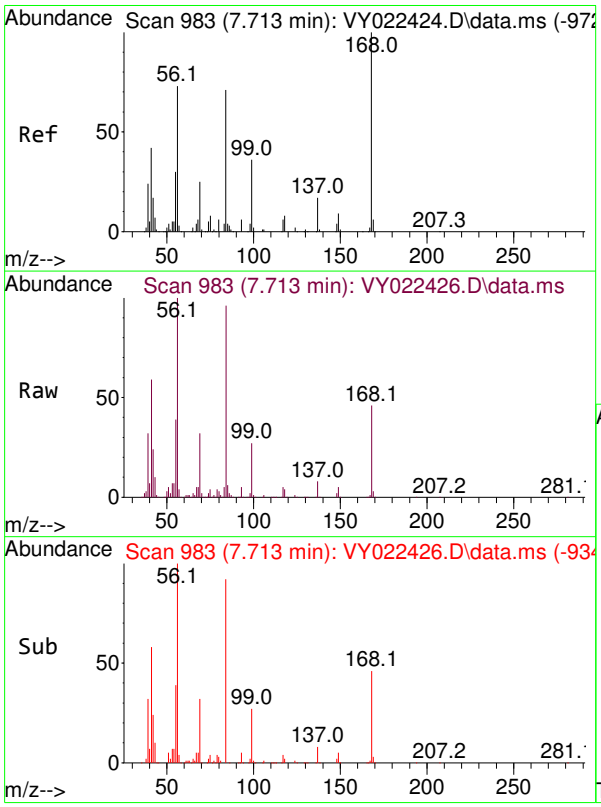
Quant Time: May 28 10:05:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 09:30:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:168 Resp: 26156

Ion	Ratio	Lower	Upper
168	100		
99	57.4	44.7	67.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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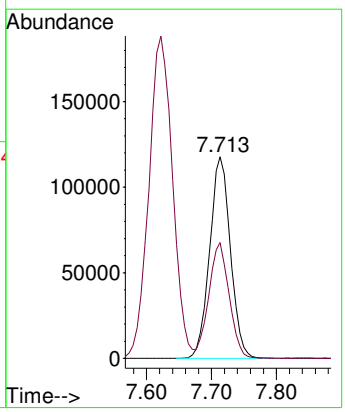
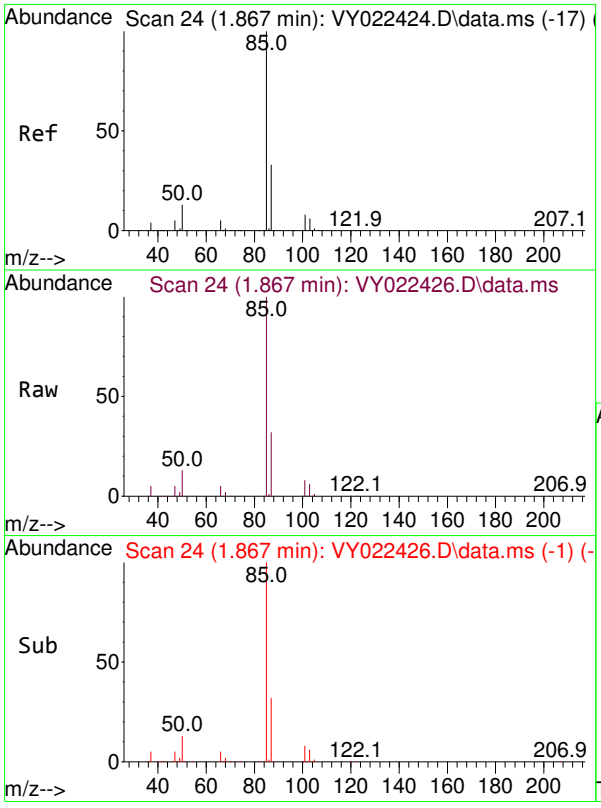
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

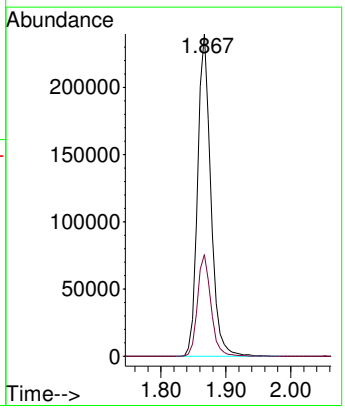


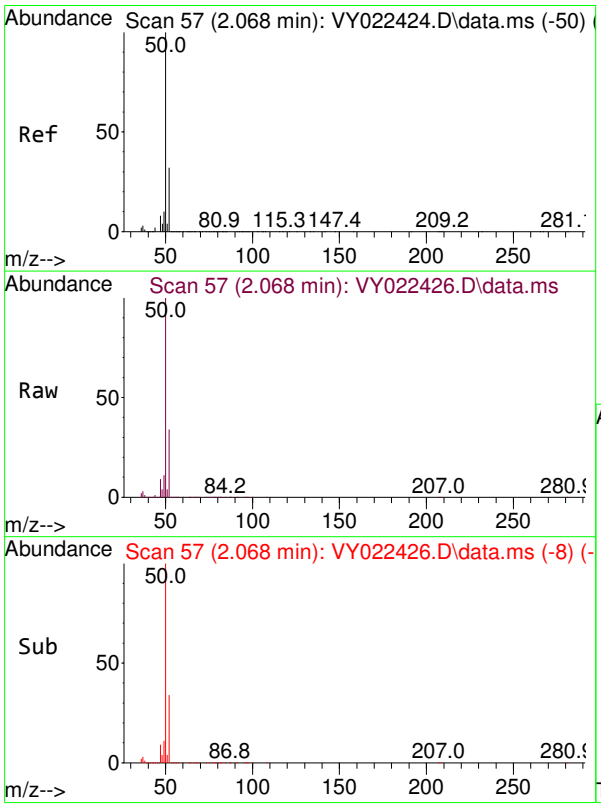


#2
Dichlorodifluoromethane
Concen: 135.034 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 85 Resp: 336978

Ion	Ratio	Lower	Upper
85	100		
87	31.6	16.4	49.2





#3
Chloromethane
Concen: 116.621 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 50 Resp: 71586

Ion	Ratio	Lower	Upper
50	100		
52	33.6	25.5	38.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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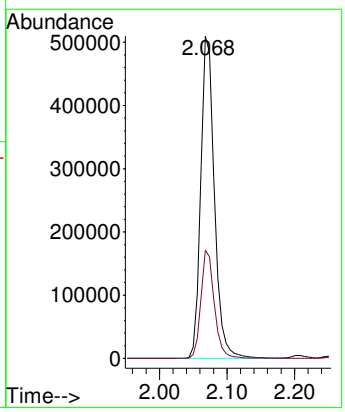
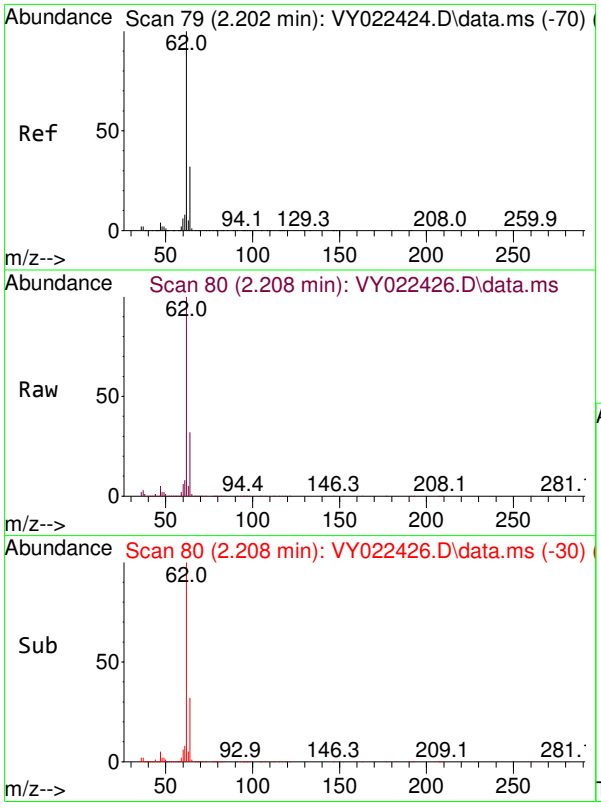
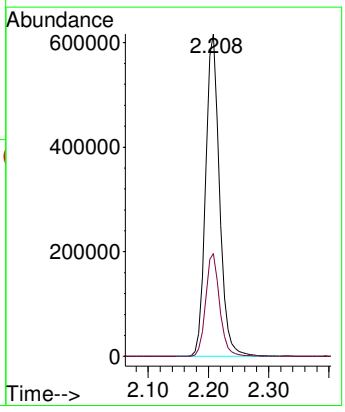


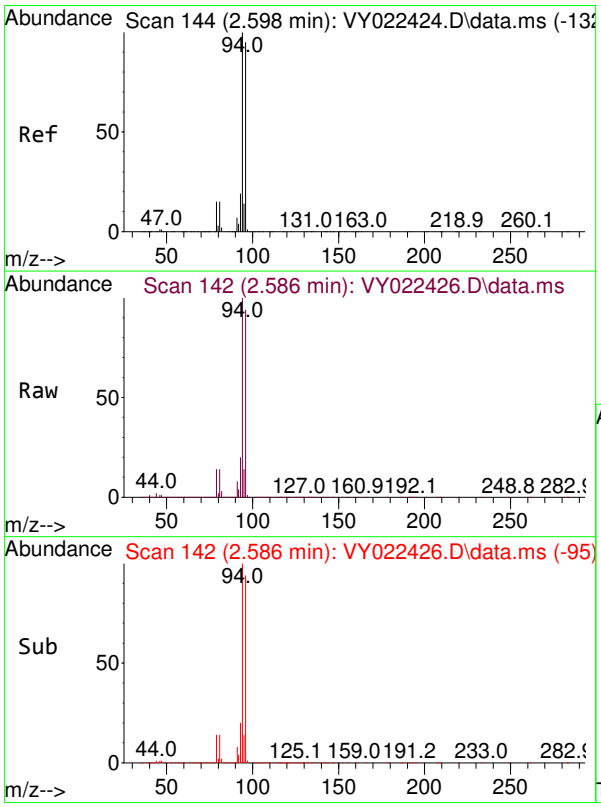


#4
Vinyl Chloride
Concen: 132.303 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 62 Resp: 986607

Ion	Ratio	Lower	Upper
62	100		
64	31.9	26.0	39.0





#5
Bromomethane
Concen: 155.728 ug/l
RT: 2.586 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 94 Resp: 105531

Ion	Ratio	Lower	Upper
94	100		
96	93.8	76.0	114.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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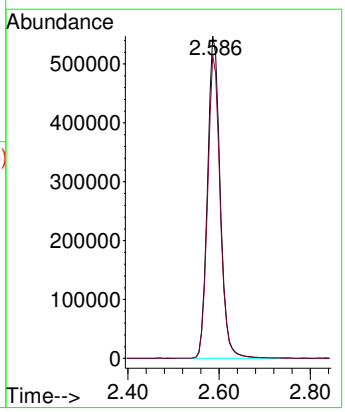
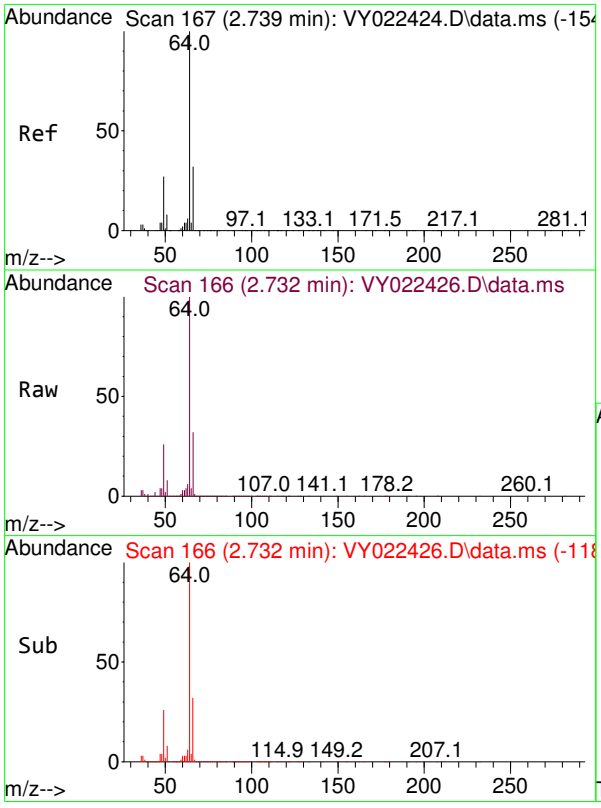
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

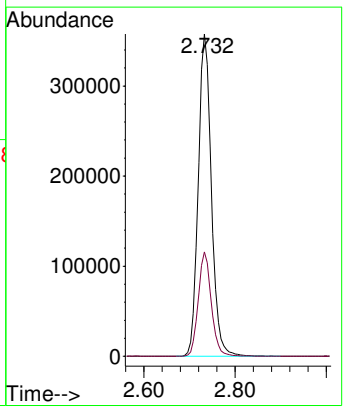


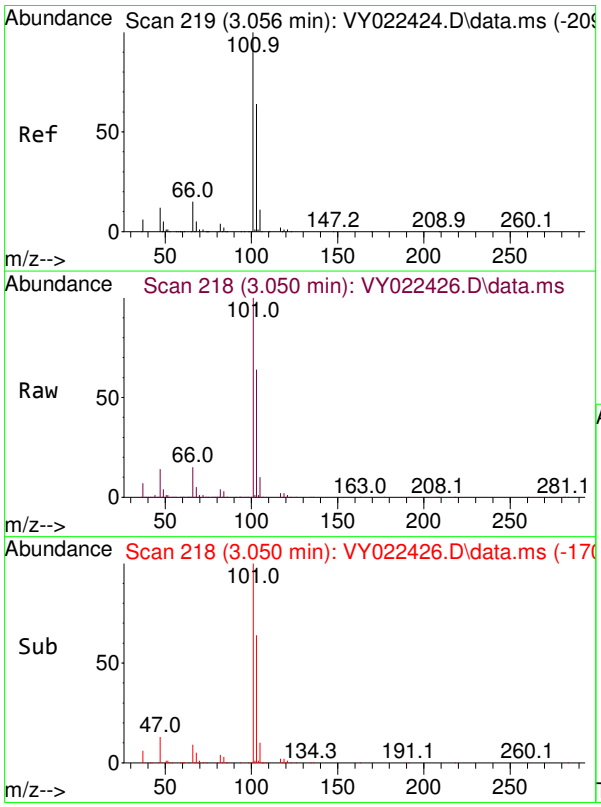


#6
Chloroethane
Concen: 146.039 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 64 Resp: 711645

Ion	Ratio	Lower	Upper
64	100		
66	32.4	25.9	38.9





#7
Trichlorofluoromethane
Concen: 148.741 ug/l
RT: 3.050 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:101 Resp: 93584

Ion	Ratio	Lower	Upper
101	100		
103	64.5	50.9	76.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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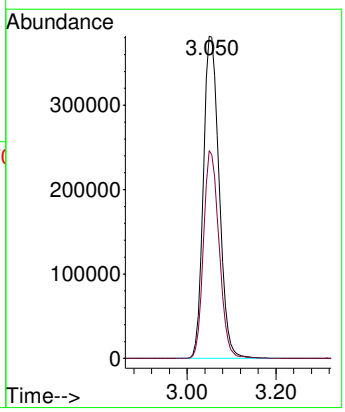
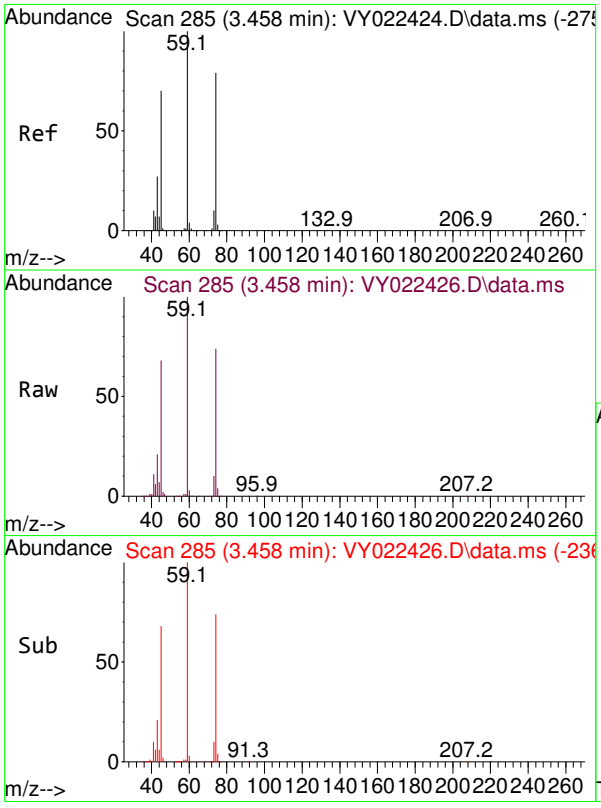
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

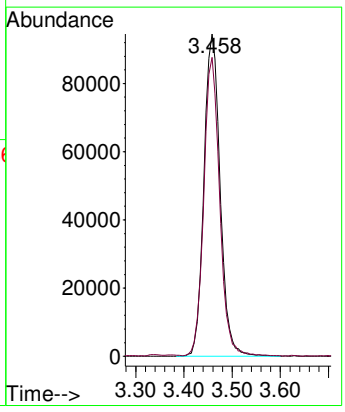


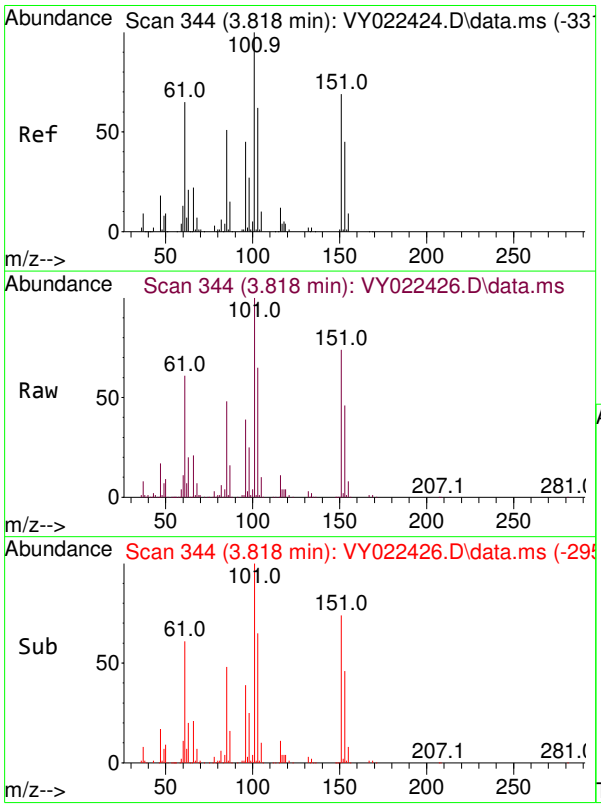


#8
Diethyl Ether
Concen: 152.083 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 74 Resp: 220632

Ion	Ratio	Lower	Upper
74	100		
45	90.7	44.9	134.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 145.505 ug/l
RT: 3.818 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:101 Resp: 40163

Ion	Ratio	Lower	Upper
101	100		
85	48.4	39.2	58.8
151	74.2	58.8	88.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Amit Patel 05/28/2025
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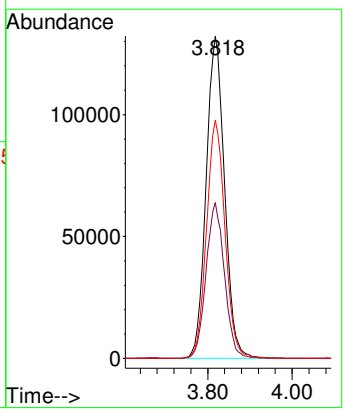
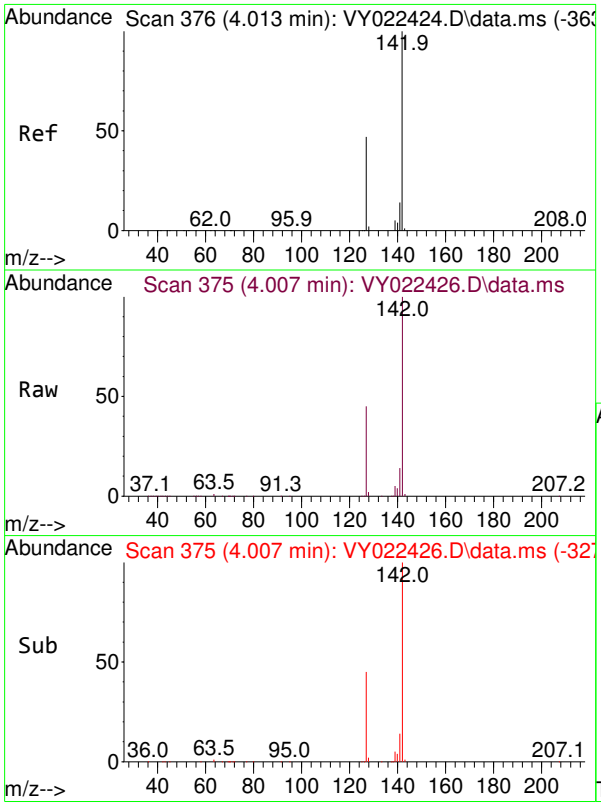
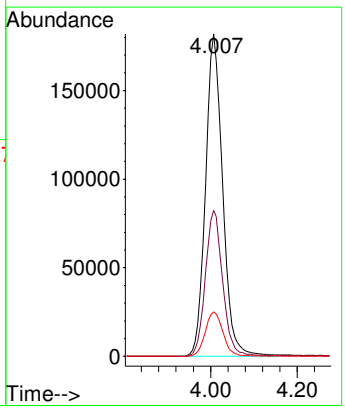


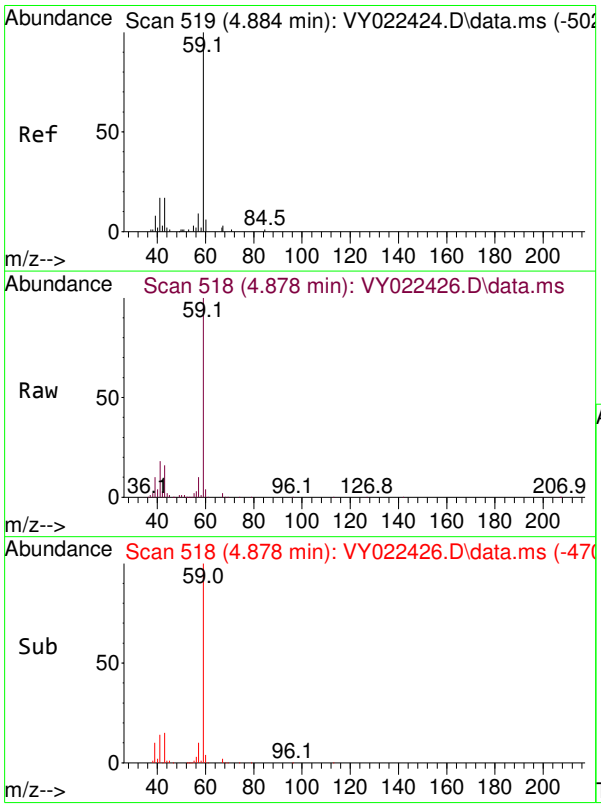


#10
Methyl Iodide
Concen: 160.432 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.006 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:142 Resp: 499602

Ion	Ratio	Lower	Upper
142	100		
127	45.7	36.2	54.4
141	14.2	11.6	17.4





#11
Tert butyl alcohol
Concen: 773.955 ug/l
RT: 4.878 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 59 Resp: 15030

Ion	Ratio	Lower	Upper
59	100		
57	10.6	9.1	13.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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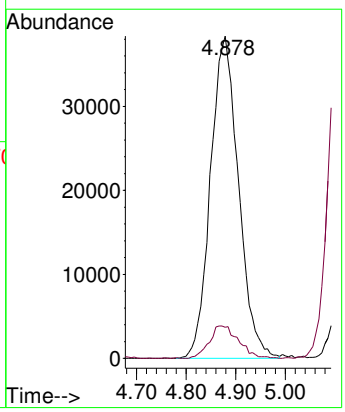
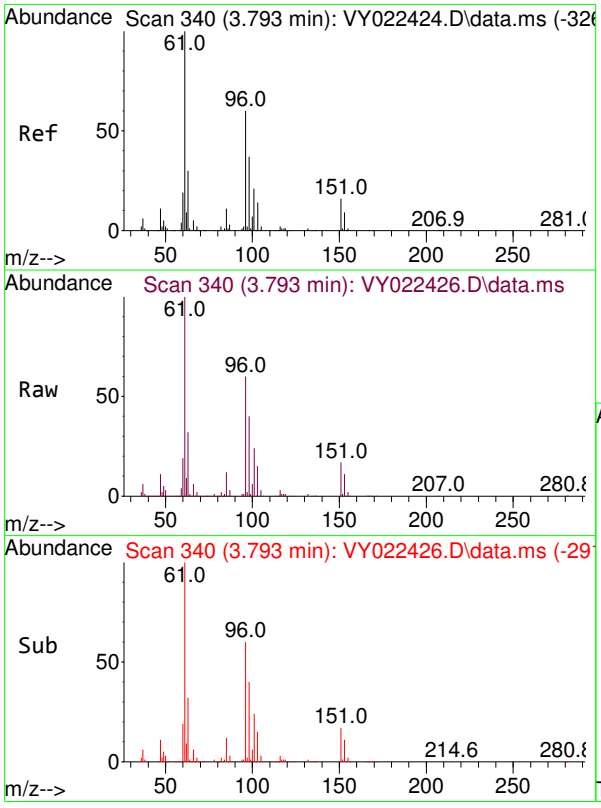
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

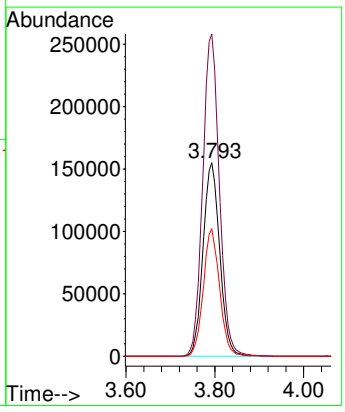


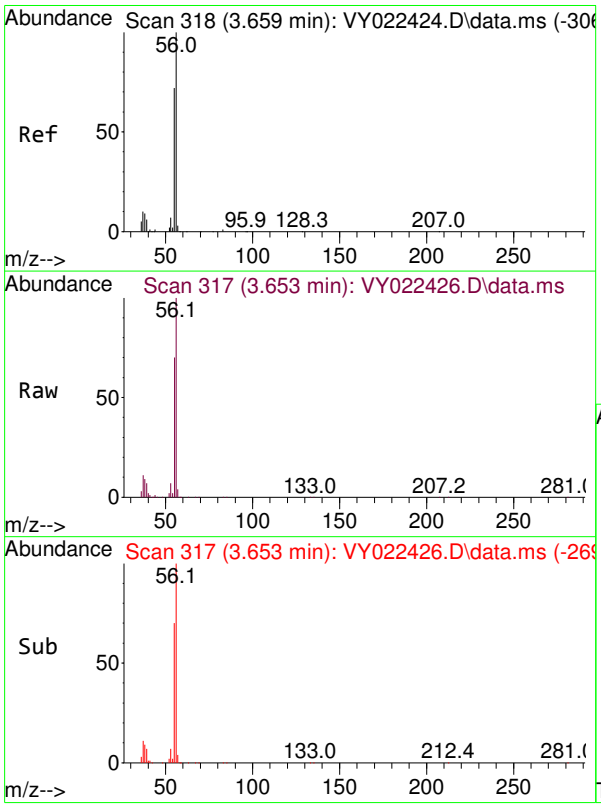


#12
1,1-Dichloroethene
Concen: 147.508 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 96 Resp: 404241

Ion	Ratio	Lower	Upper
96	100		
61	166.5	134.1	201.1
98	66.0	50.2	75.2





#13
Acrolein
Concen: 772.427 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 56 Resp: 22476

Ion	Ratio	Lower	Upper
56	100		
55	70.1	56.5	84.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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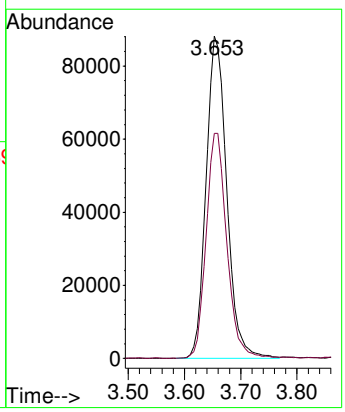
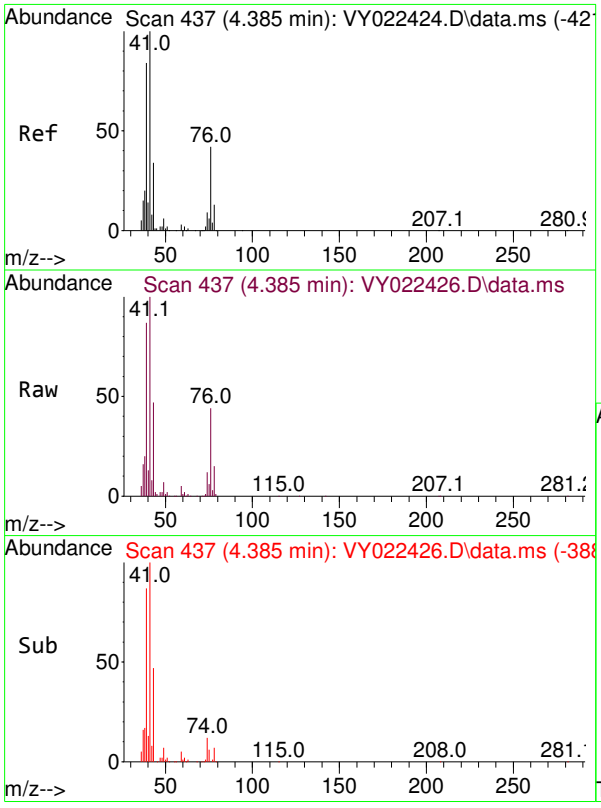
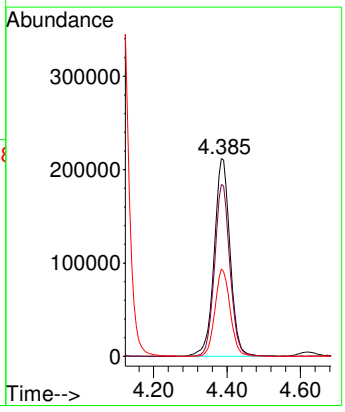


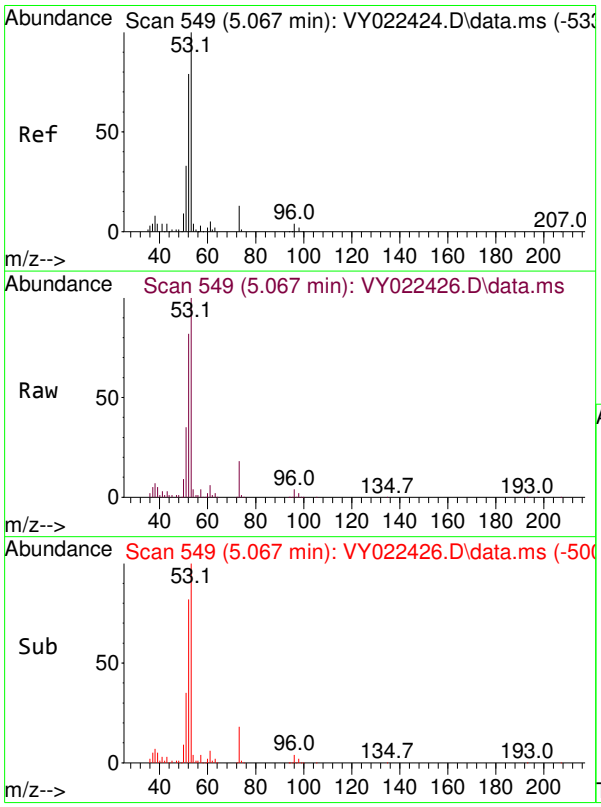


#14
Allyl chloride
Concen: 153.977 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 41 Resp: 634755

Ion	Ratio	Lower	Upper
41	100		
39	84.2	66.6	100.0
76	42.2	33.7	50.5





#15
Acrylonitrile
Concen: 778.419 ug/l
RT: 5.067 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 53 Resp: 45518

Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.1	97.7
51	38.0	30.0	45.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Amit Patel 05/28/2025
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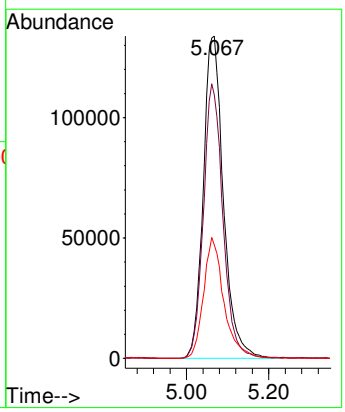
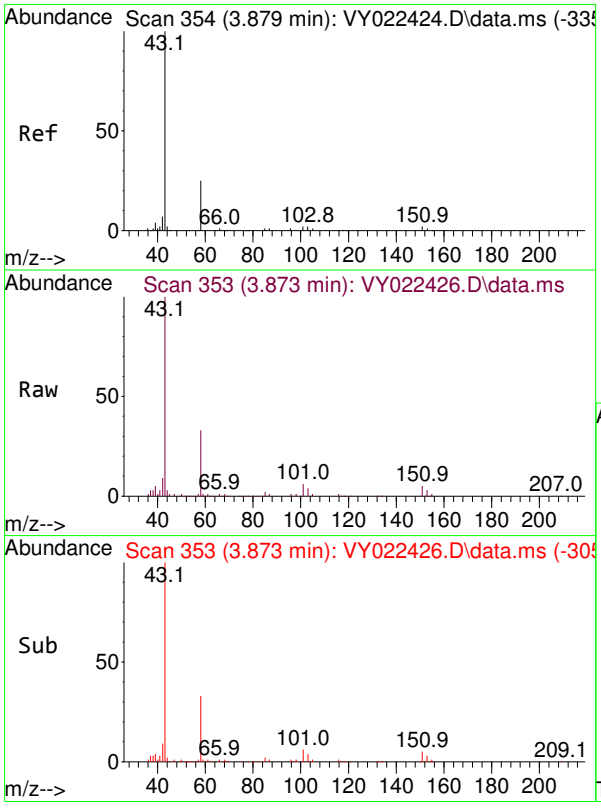
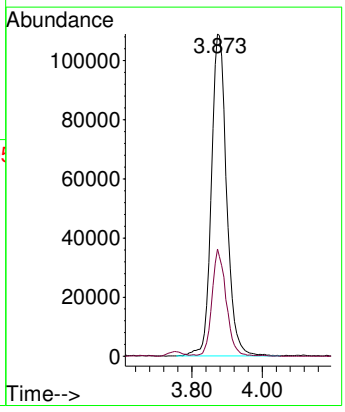


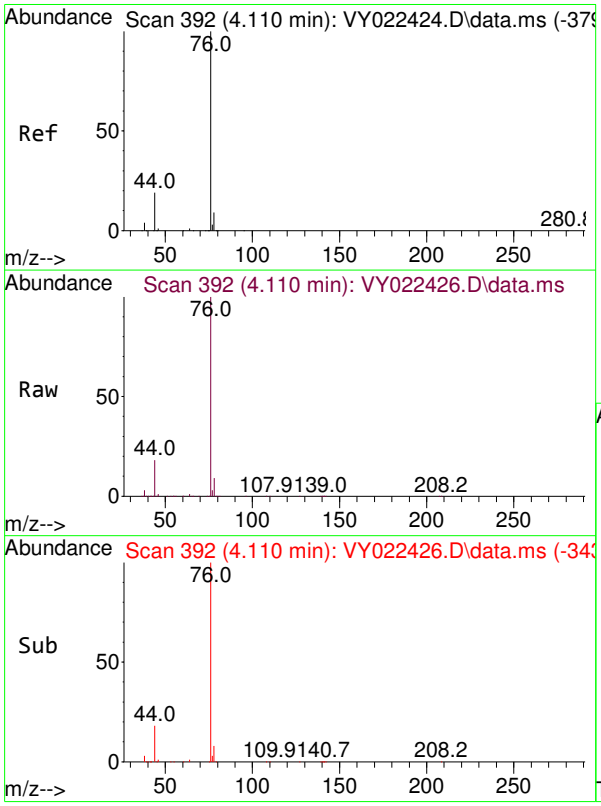


#16
Acetone
Concen: 722.994 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 43 Resp: 327320

Ion	Ratio	Lower	Upper
43	100		
58	33.3	20.6	30.8#





#17
Carbon Disulfide
Concen: 148.080 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 76 Resp: 129502

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Amit Patel 05/28/2025
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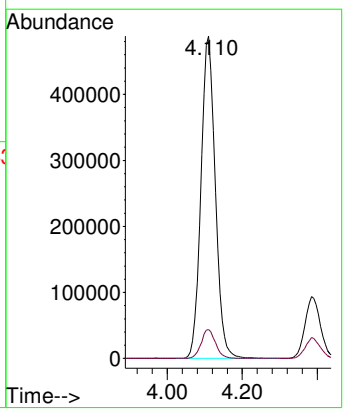
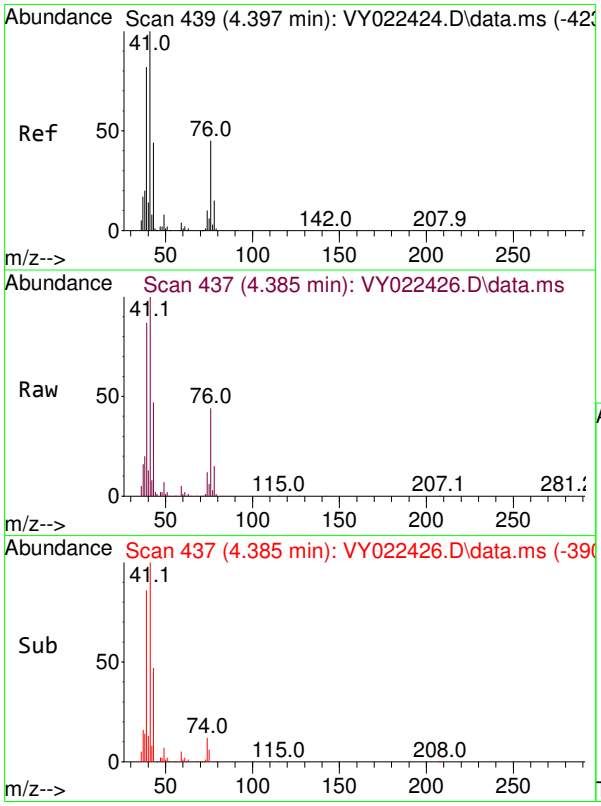
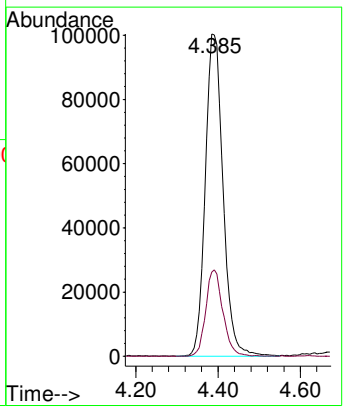


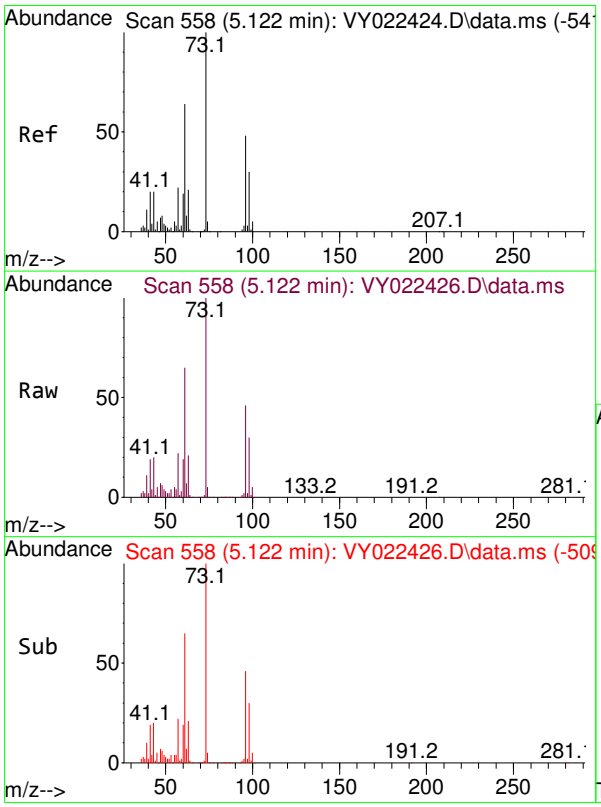


#18
Methyl Acetate
Concen: 177.047 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.012 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 43 Resp: 300253

Ion	Ratio	Lower	Upper
43	100		
74	26.1	21.2	31.8





#19
Methyl tert-butyl Ether
Concen: 155.888 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

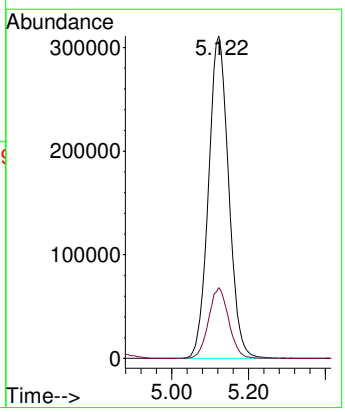
Tgt Ion: 73 Resp: 113418

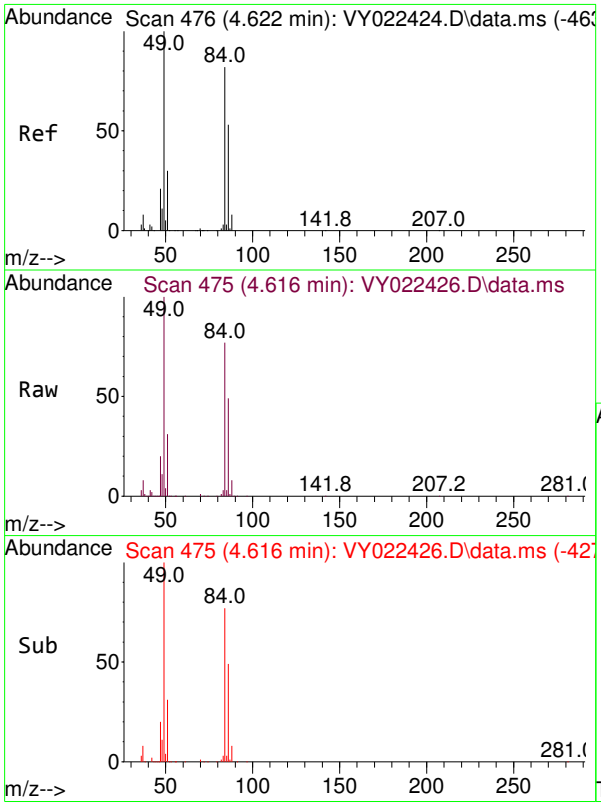
Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.7	26.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

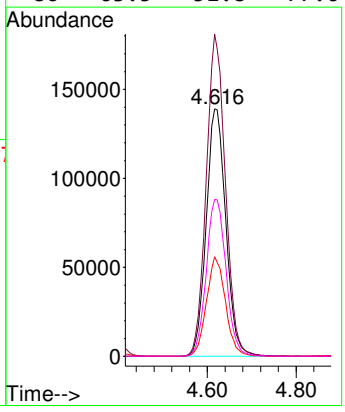


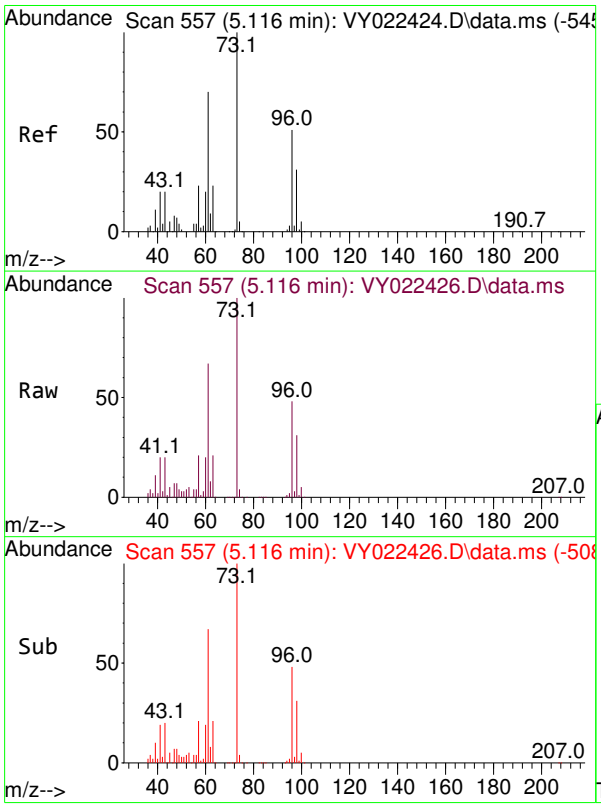


#20
Methylene Chloride
Concen: 133.322 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 84 Resp: 426225

Ion	Ratio	Lower	Upper
84	100		
49	130.3	97.8	146.8
51	40.3	29.5	44.3
86	63.5	51.8	77.6





#21
trans-1,2-Dichloroethene
Concen: 152.698 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 96 Resp: 45684

Ion	Ratio	Lower	Upper
96	100		
61	137.9	110.4	165.6
98	64.3	48.6	73.0

Instrument :
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ClientSampleId :
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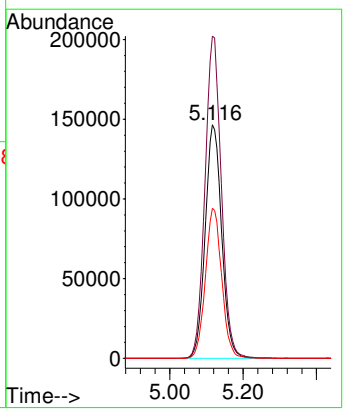
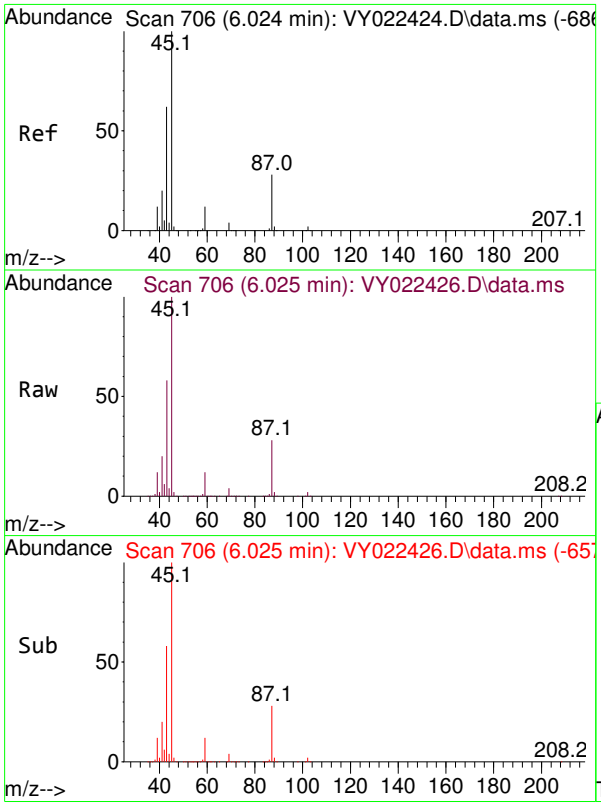
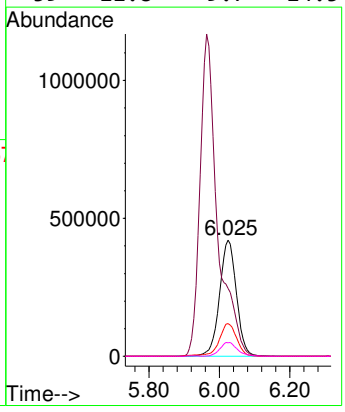


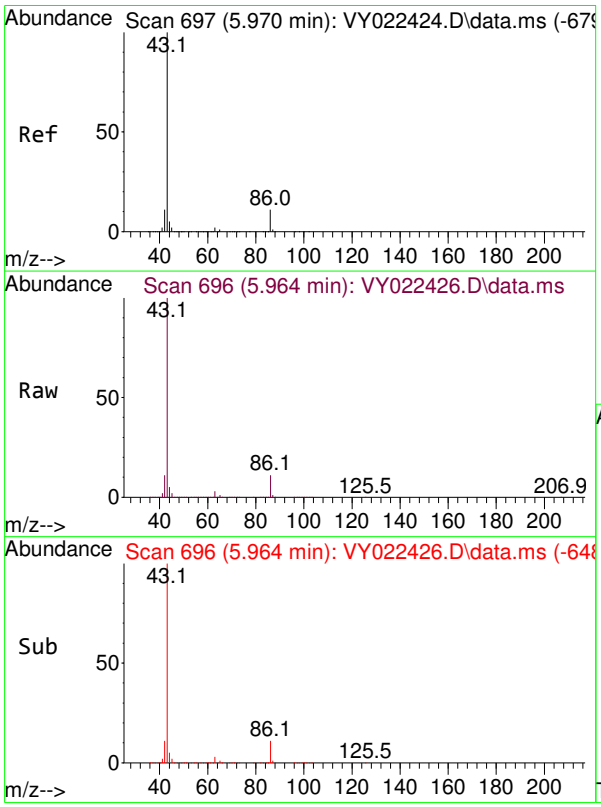


#22
Diisopropyl ether
Concen: 154.338 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 45 Resp: 1404193

Ion	Ratio	Lower	Upper
45	100		
43	58.3	49.8	74.8
87	28.2	23.0	34.6
59	11.8	9.7	14.5





#23
Vinyl Acetate
Concen: 773.807 ug/l
RT: 5.964 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 43 Resp: 404239

Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.8	13.2

Instrument :
MSVOA_Y
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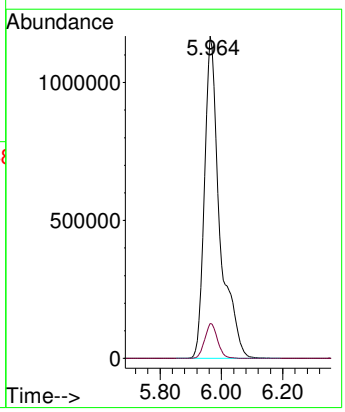
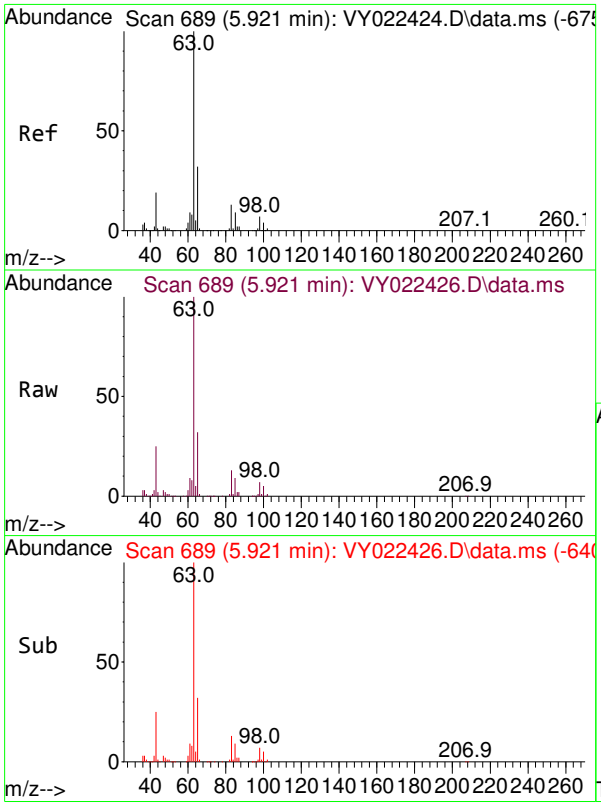
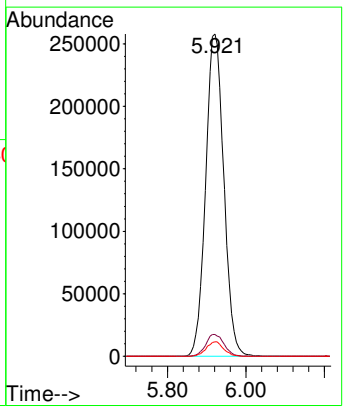


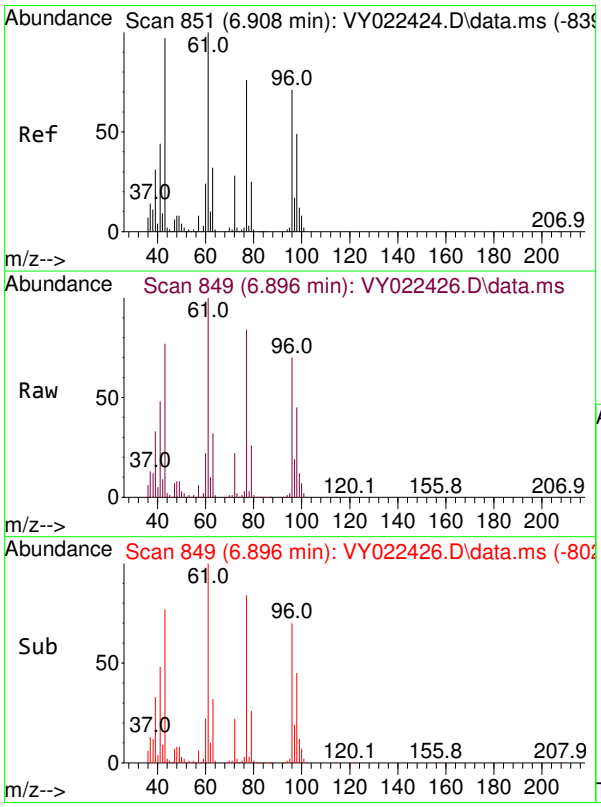


#24
1,1-Dichloroethane
Concen: 154.149 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 63 Resp: 828730

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.5	10.5
100	4.5	2.1	6.5

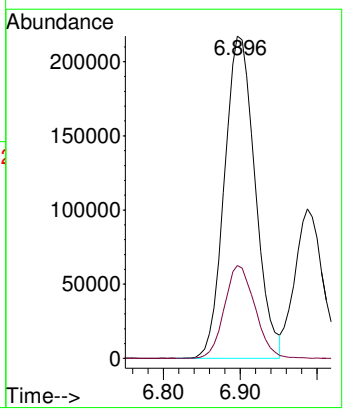




#25
2-Butanone
Concen: 800.866 ug/l
RT: 6.896 min Scan# 8
Delta R.T. -0.012 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 43 Resp: 60383

Ion	Ratio	Lower	Upper
43	100		
72	28.9	22.8	34.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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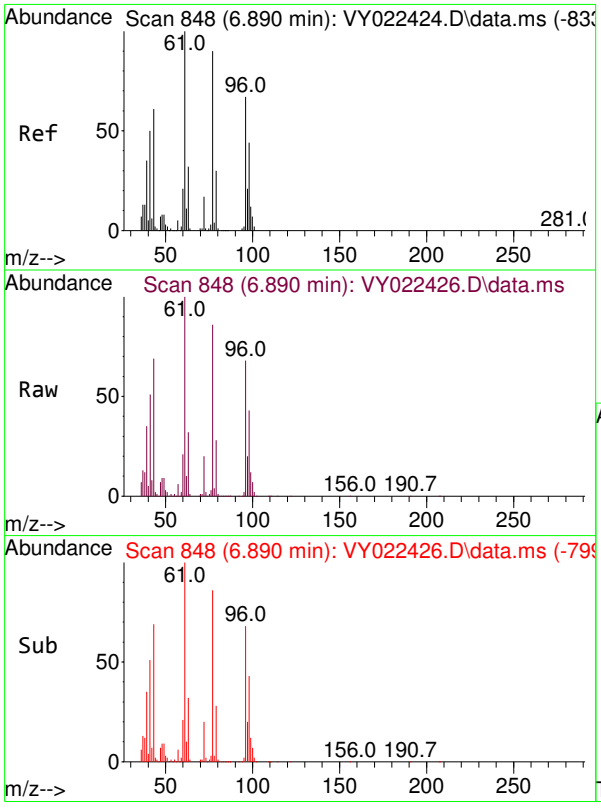
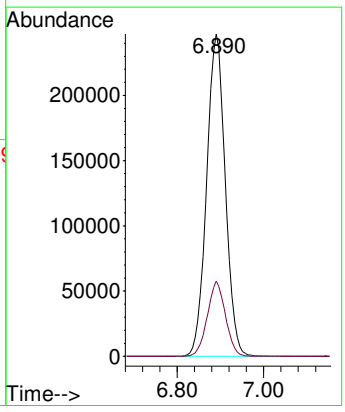
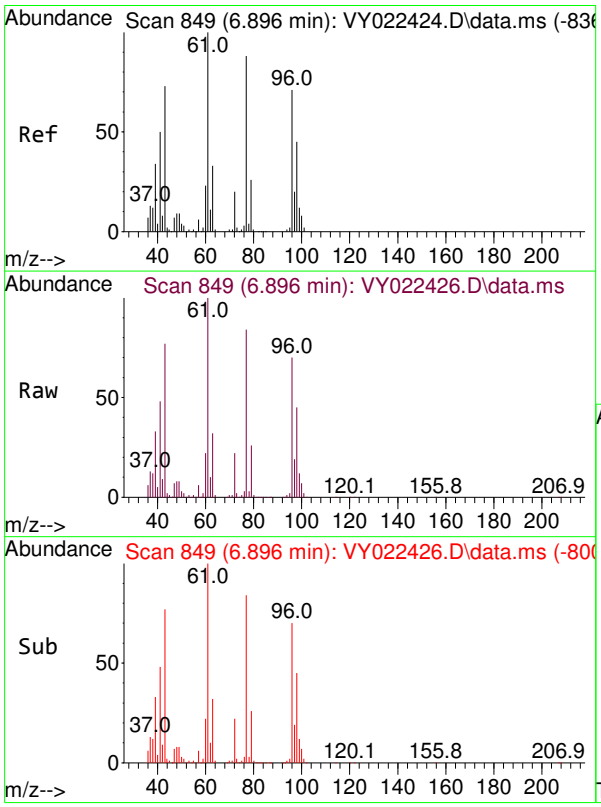


#26
2,2-Dichloropropane
Concen: 151.572 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 77 Resp: 737854

Ion	Ratio	Lower	Upper
77	100		
97	22.6	11.6	34.7

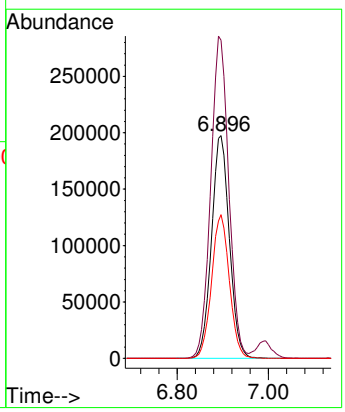




#27
cis-1,2-Dichloroethene
Concen: 155.137 ug/l
RT: 6.896 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 96 Resp: 53732

Ion	Ratio	Lower	Upper
96	100		
61	146.3	0.0	292.0
98	64.2	0.0	131.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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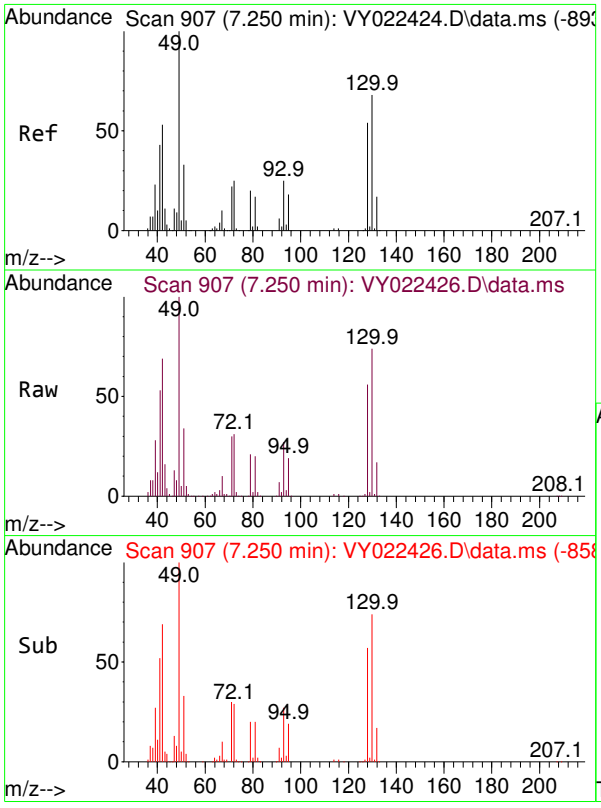
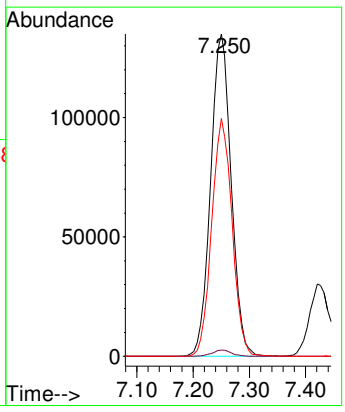
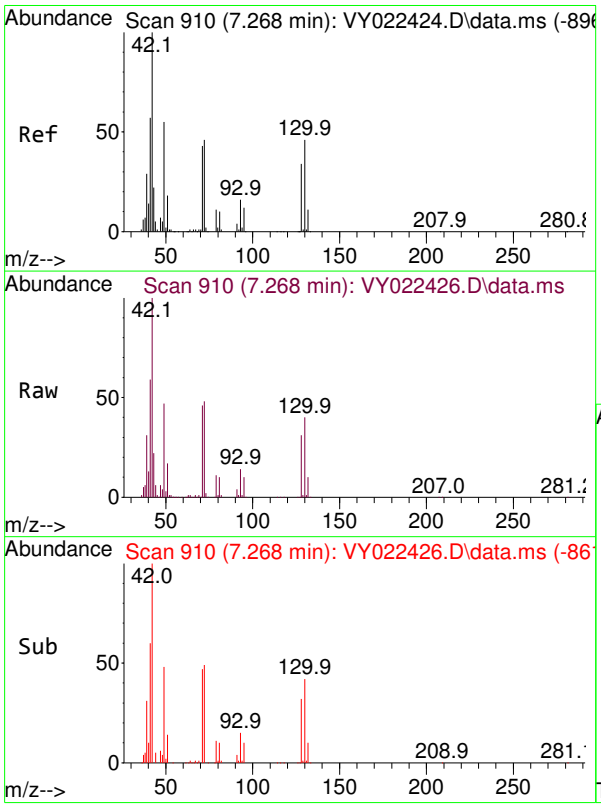


#28
Bromochloromethane
Concen: 152.635 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 49 Resp: 342656

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	73.0	56.9	85.3





#29
Tetrahydrofuran
Concen: 790.090 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 42 Resp: 39729

Ion	Ratio	Lower	Upper
42	100		
72	46.7	37.7	56.5
71	43.4	34.7	52.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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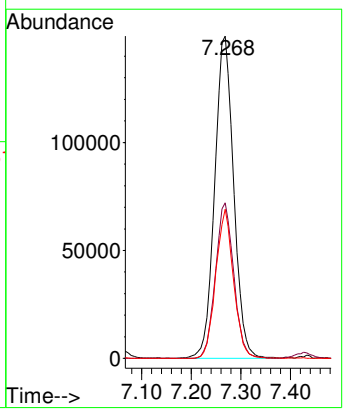
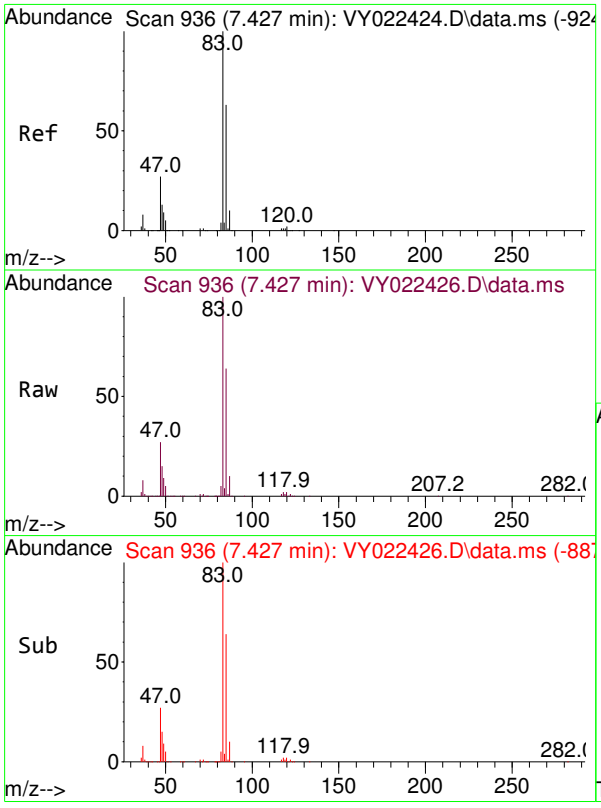
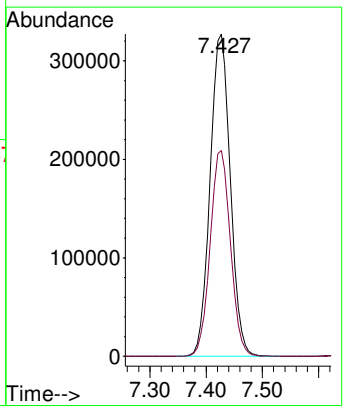


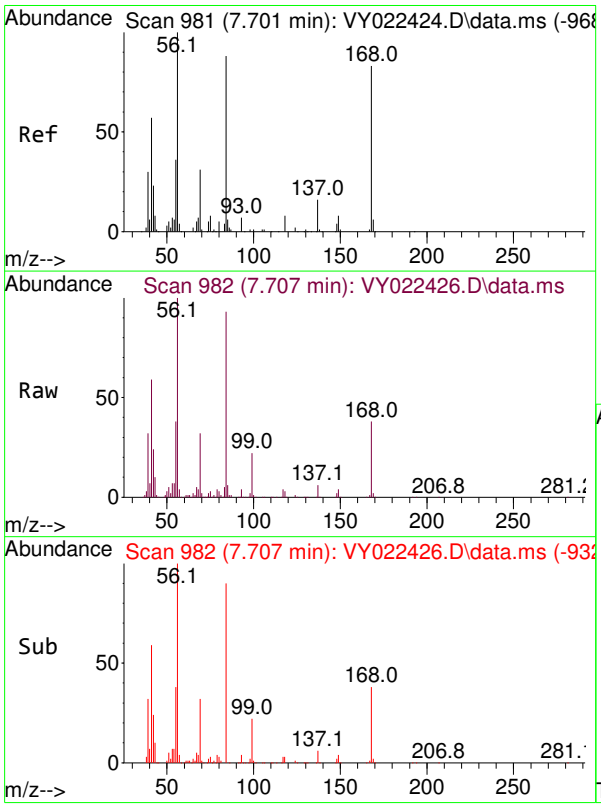


#30
Chloroform
Concen: 153.787 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 83 Resp: 814685

Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.1	75.1





#31
Cyclohexane
Concen: 137.826 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 56 Resp: 73041

Ion	Ratio	Lower	Upper
56	100		
69	32.3	24.6	36.8
84	90.9	70.4	105.6

Instrument :
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ClientSampleId :
VSTDICC150

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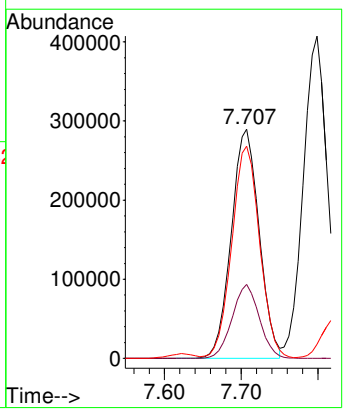
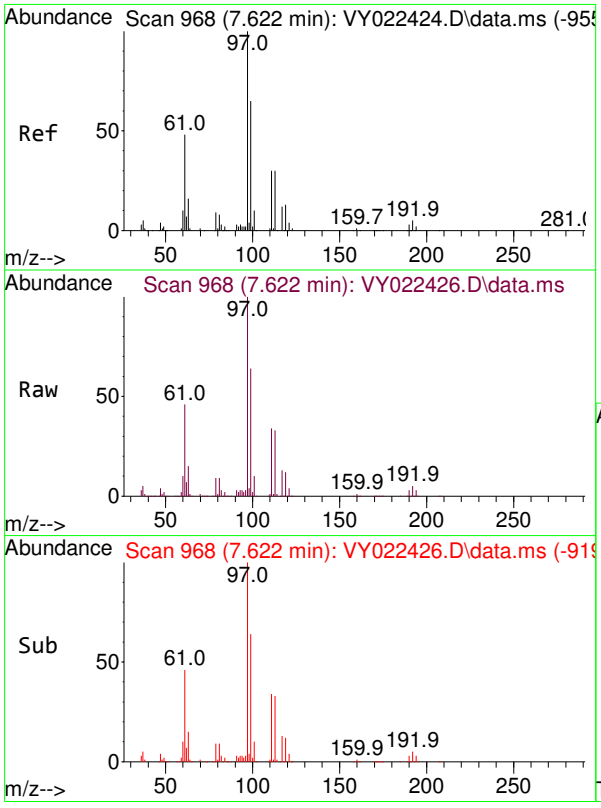
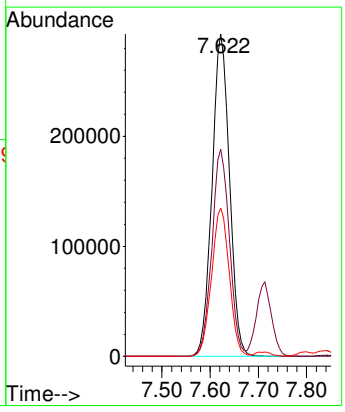


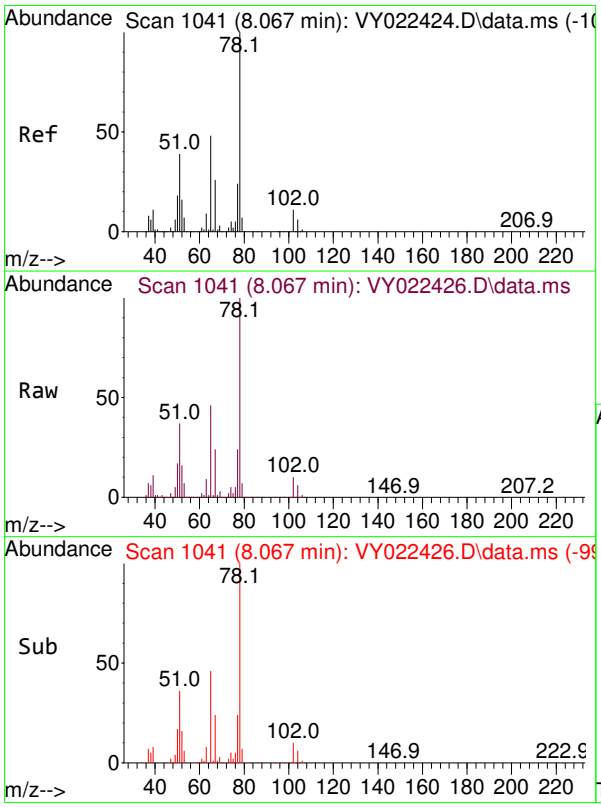


#32
1,1,1-Trichloroethane
Concen: 153.436 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 97 Resp: 737686

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.3	76.9
61	46.8	37.3	55.9





#33
1,2-Dichloroethane-d4
Concen: 153.366 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 65 Resp: 42253

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	104.4

Instrument :
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ClientSampleId :
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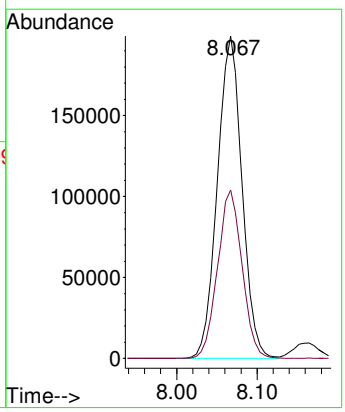
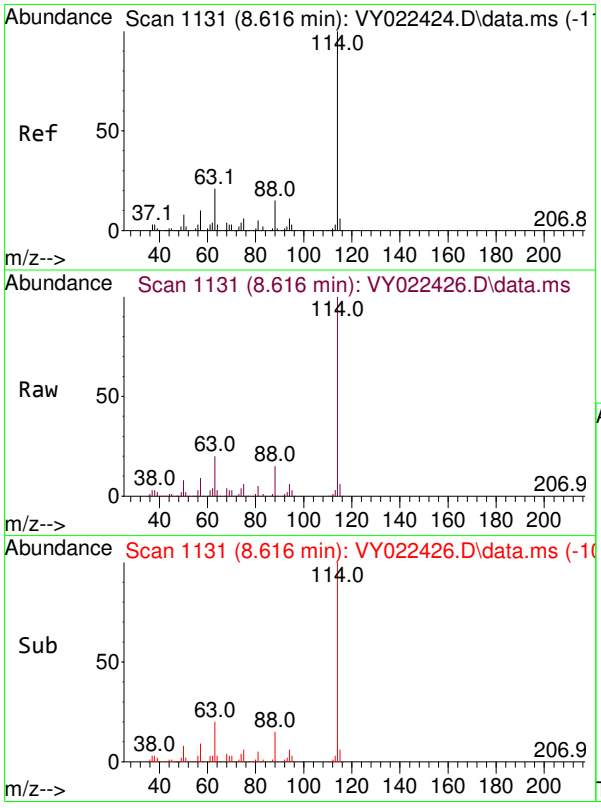
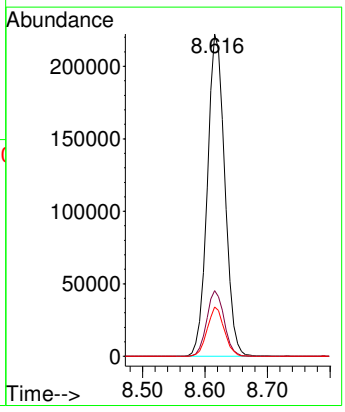


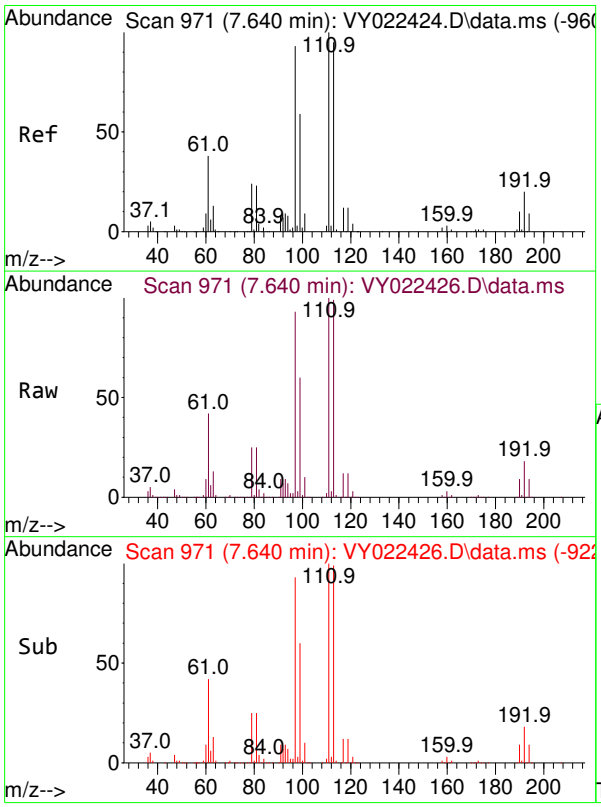


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:114 Resp: 431909

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	42.6
88	15.3	0.0	29.4





#35
Dibromofluoromethane
Concen: 157.523 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:113 Resp: 39843

Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.4	123.6
192	18.2	15.2	22.8

Instrument :
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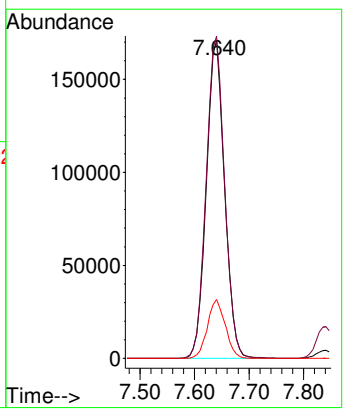
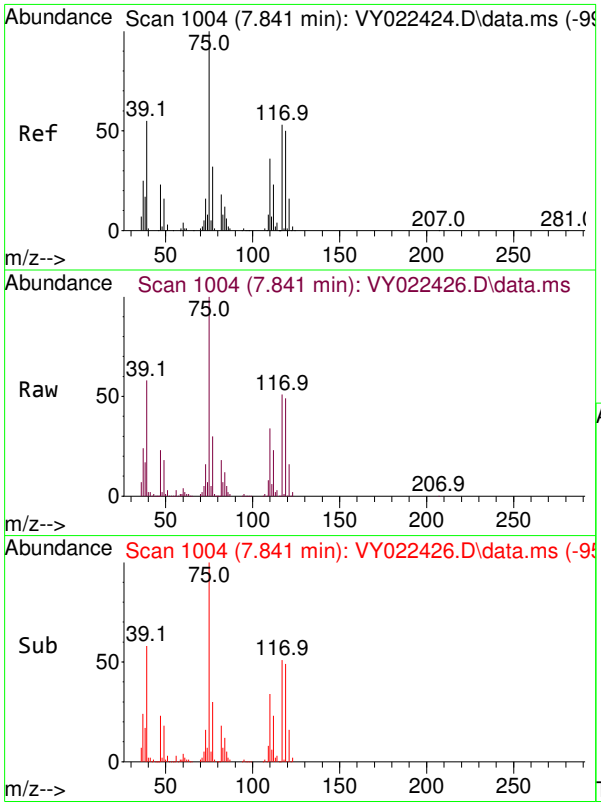
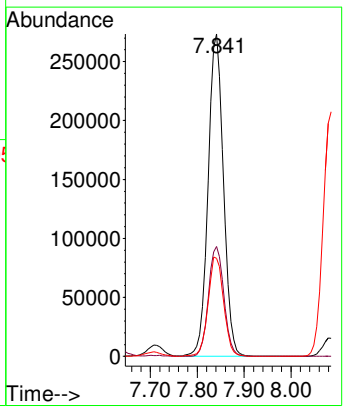


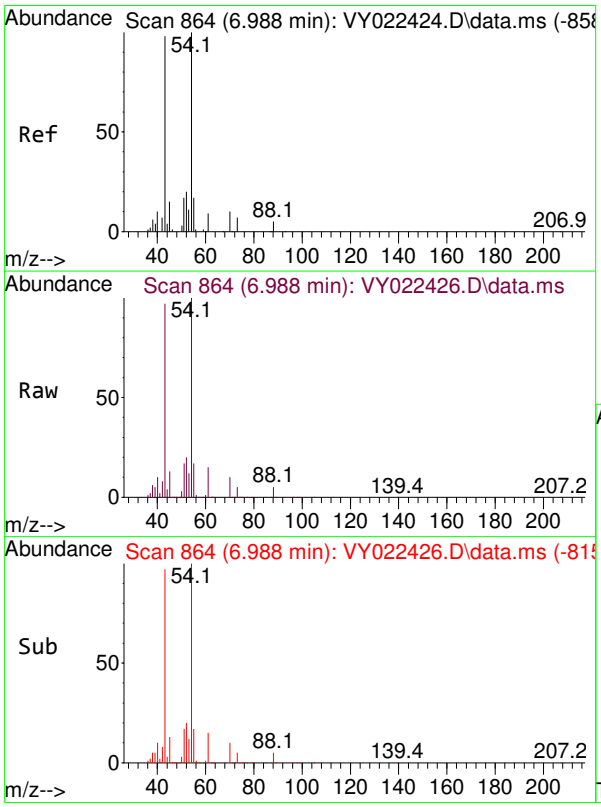


#36
1,1-Dichloropropene
Concen: 155.342 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 75 Resp: 623501

Ion	Ratio	Lower	Upper
75	100		
110	34.3	17.1	51.2
77	31.2	25.1	37.7





#37
Ethyl Acetate
Concen: 153.581 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 43 Resp: 26197

Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.7	17.5
70	9.5	7.8	11.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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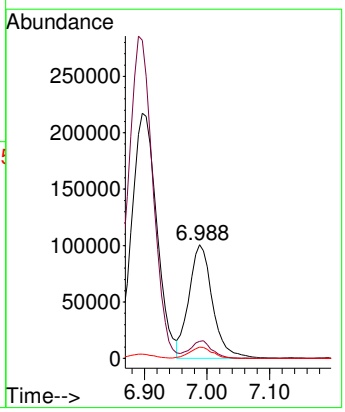
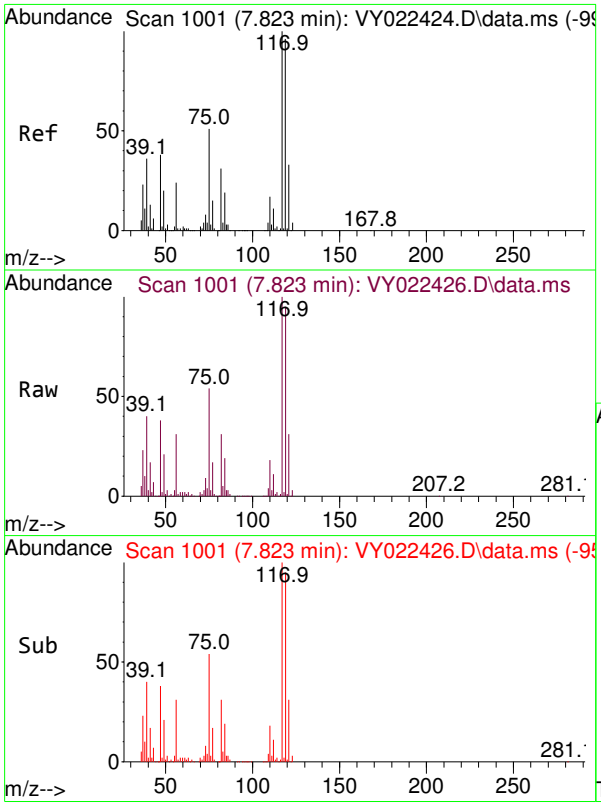
Supervised By :Mahesh Dadoda 05/28/2025

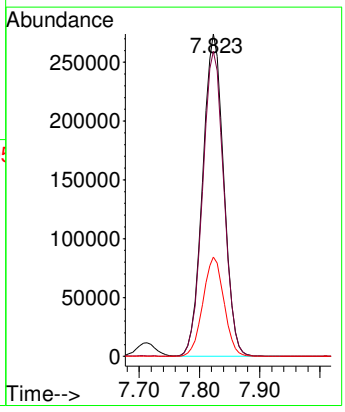


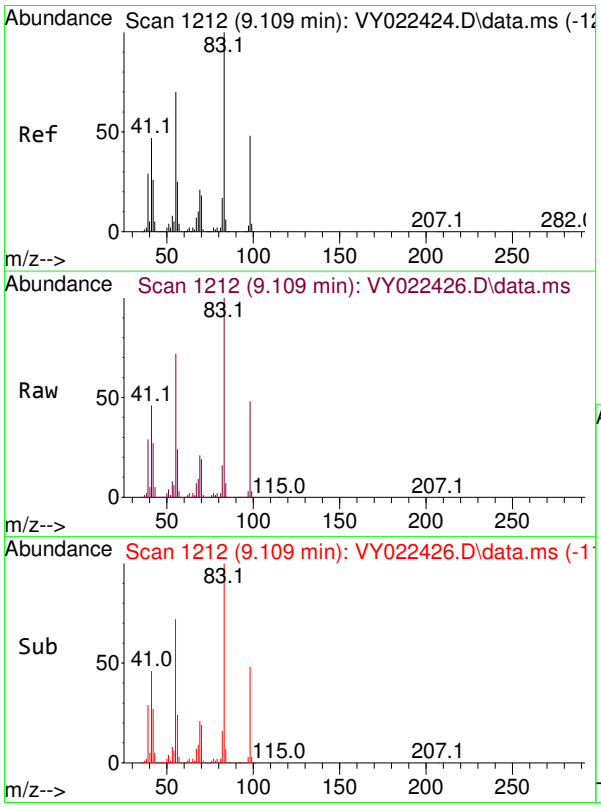


#38
Carbon Tetrachloride
Concen: 158.776 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:117 Resp: 663867

Ion	Ratio	Lower	Upper
117	100		
119	94.6	76.3	114.5
121	30.8	26.1	39.1





#39
Methylcyclohexane
Concen: 154.561 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 83 Resp: 82464

Ion	Ratio	Lower	Upper
83	100		
55	71.6	56.2	84.2
98	47.7	38.4	57.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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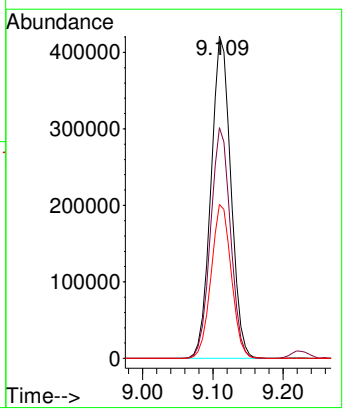
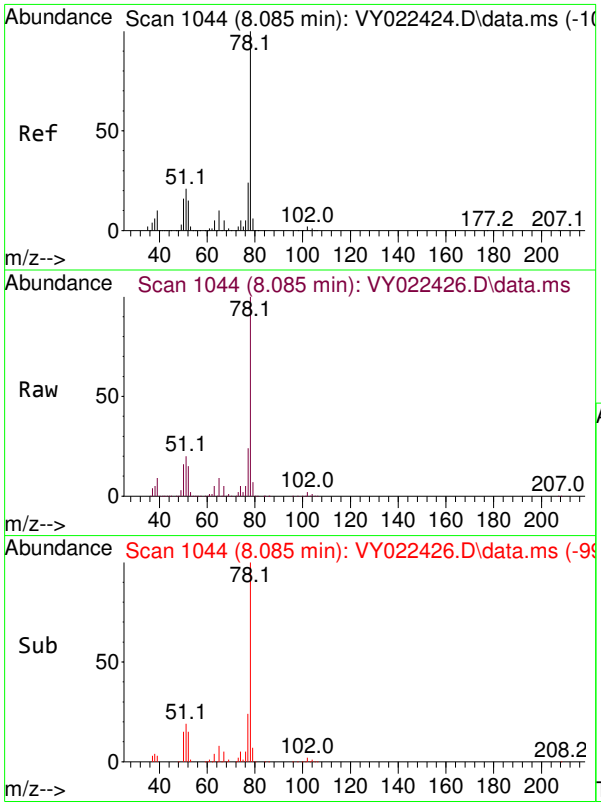
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

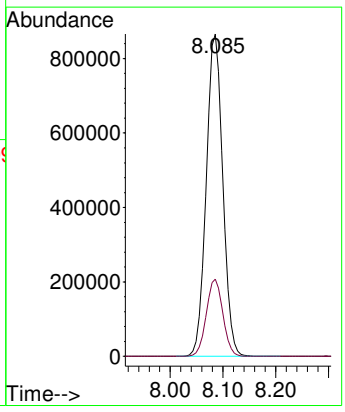


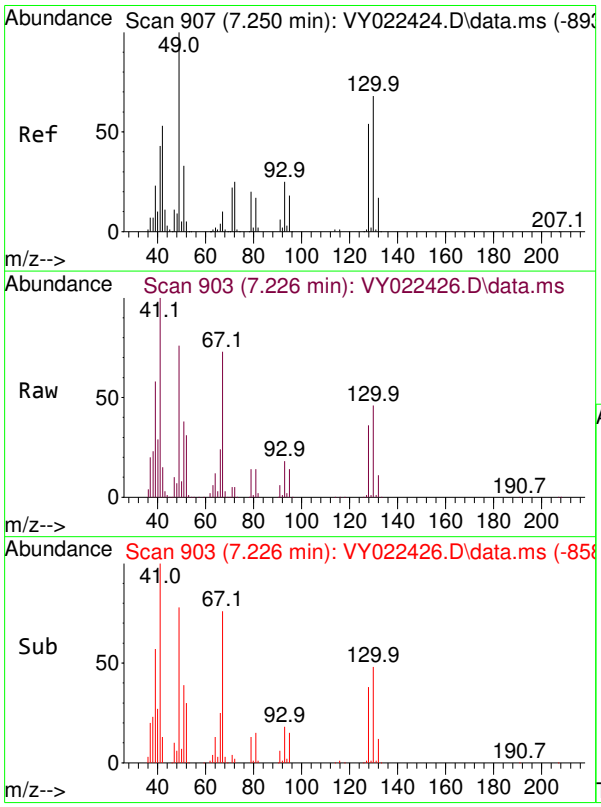


#40
Benzene
Concen: 158.501 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 78 Resp: 1893003

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.4	29.2

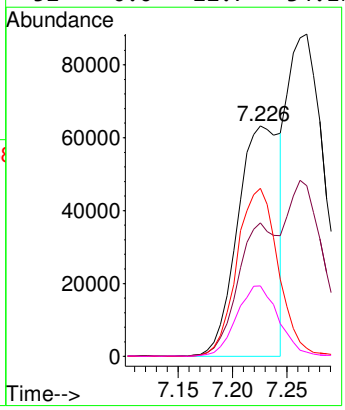




#41
Methacrylonitrile
Concen: 76.337 ug/l m
RT: 7.226 min Scan# 9
Delta R.T. -0.024 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 41 Resp: 17137

Ion	Ratio	Lower	Upper
41	100		
39	65.4	40.4	60.6
67	0.0	53.0	79.4
52	0.0	22.7	34.1#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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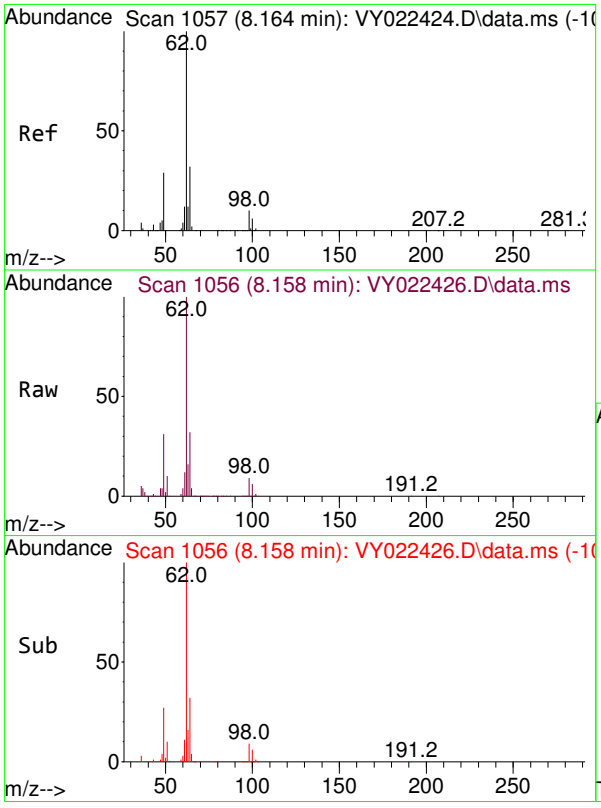
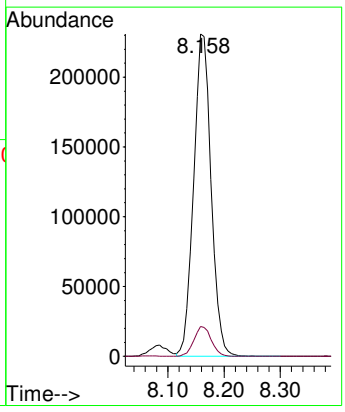
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

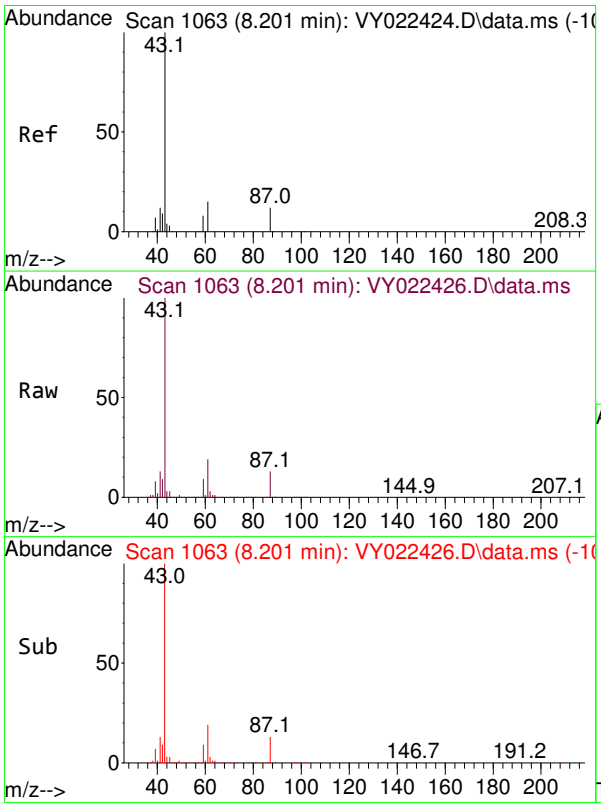


#42
1,2-Dichloroethane
Concen: 157.877 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 62 Resp: 497991

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.4





#43
Isopropyl Acetate
Concen: 157.564 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 43 Resp: 58730

Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.4	23.0
87	13.2	10.6	15.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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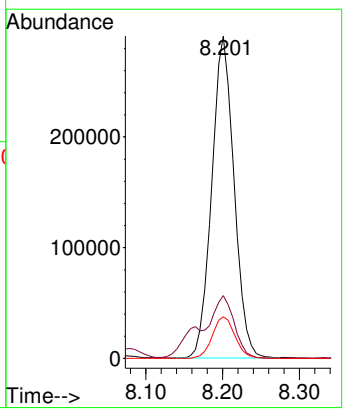
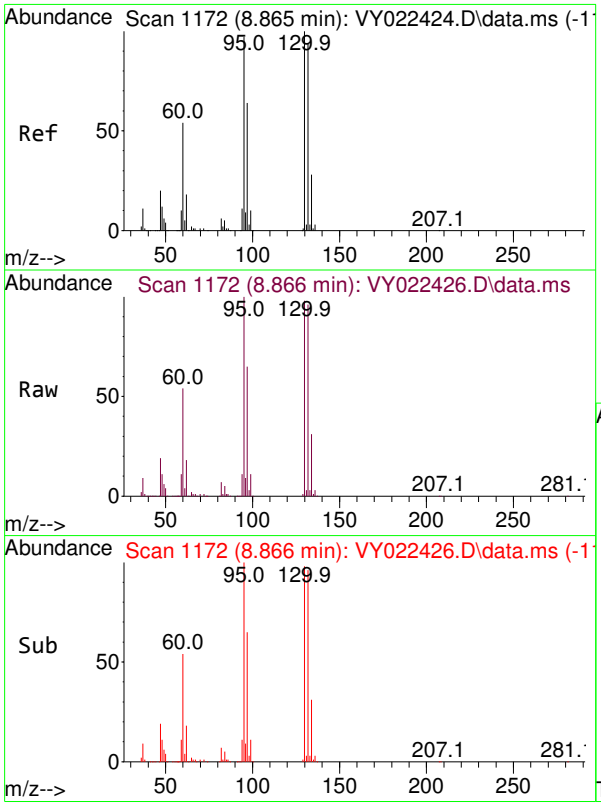
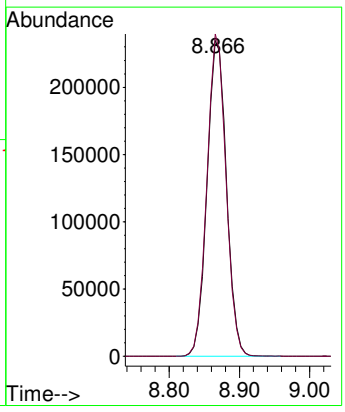


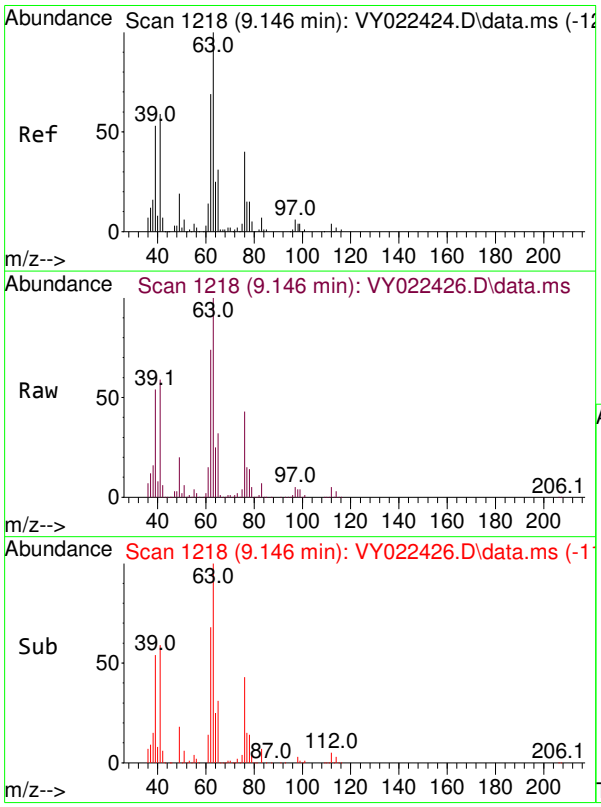


#44
Trichloroethene
Concen: 152.390 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:130 Resp: 449921

Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	194.8





#45
1,2-Dichloropropane
Concen: 156.346 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 63 Resp: 43872

Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.1	37.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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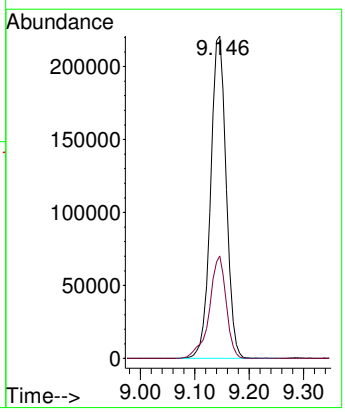
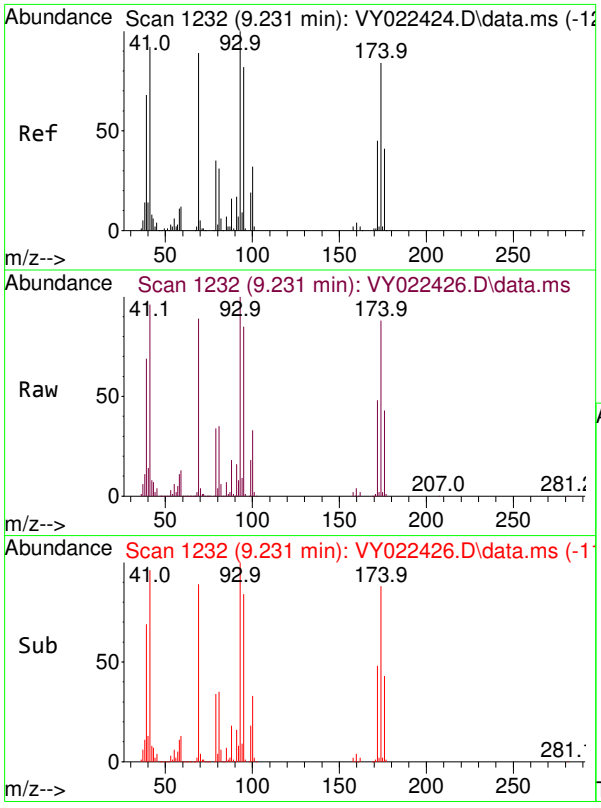
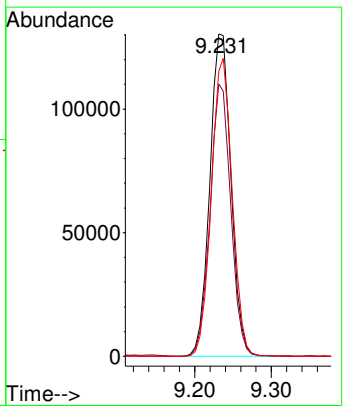


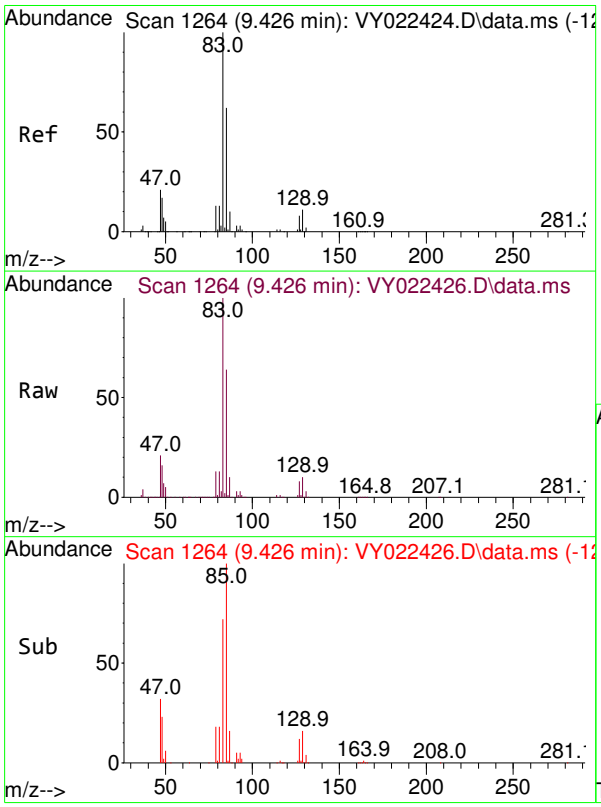


#46
Dibromomethane
Concen: 159.252 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 93 Resp: 249636

Ion	Ratio	Lower	Upper
93	100		
95	82.7	66.2	99.2
174	91.1	71.1	106.7





#47
Bromodichloromethane
Concen: 158.668 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 83 Resp: 63959

Ion	Ratio	Lower	Upper
83	100		
85	63.5	49.8	74.6
127	7.8	6.6	9.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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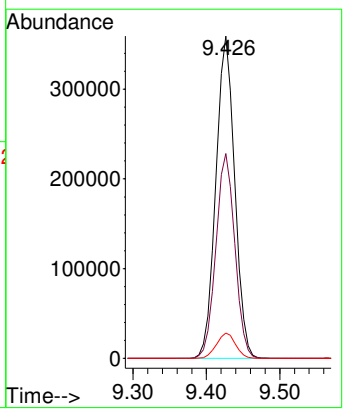
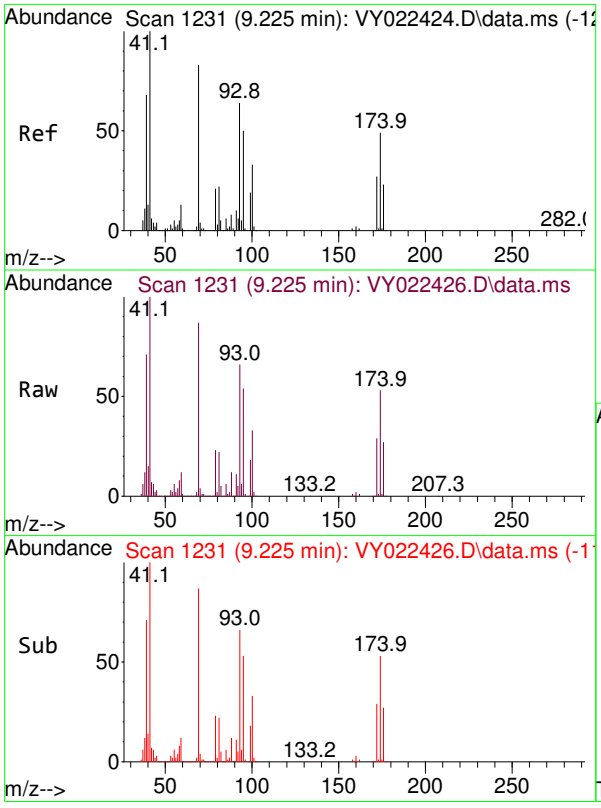
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

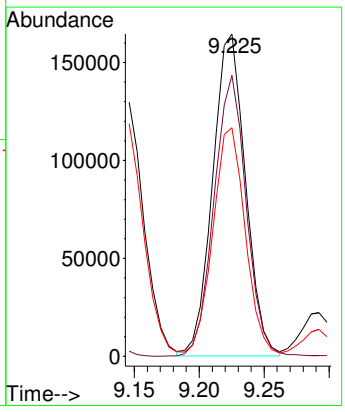


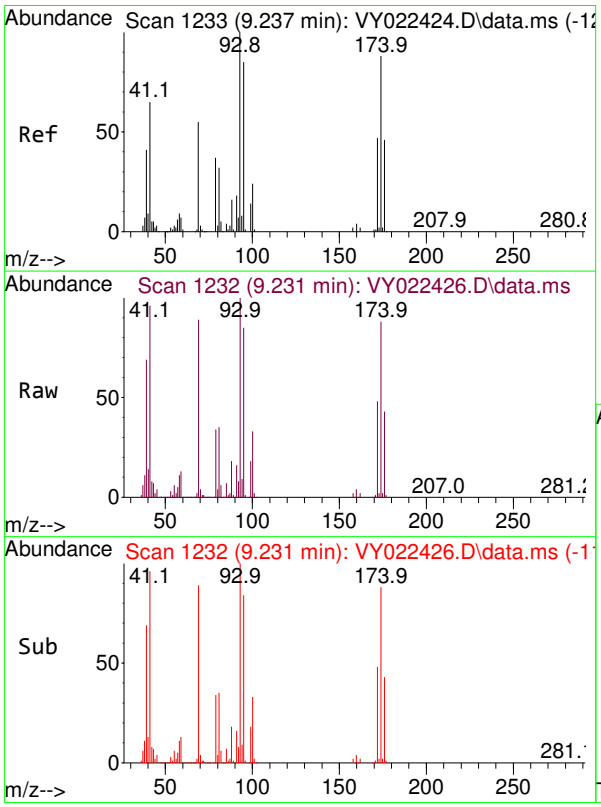


#48
Methyl methacrylate
Concen: 166.922 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 41 Resp: 288821

Ion	Ratio	Lower	Upper
41	100		
69	85.8	70.3	105.5
39	68.2	55.4	83.0





#49
1,4-Dioxane
Concen: 3228.011 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 88 Resp: 5589

Ion	Ratio	Lower	Upper
88	100		
43	34.1	26.9	40.3
58	67.6	55.8	83.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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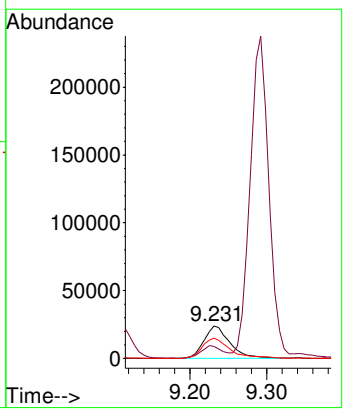
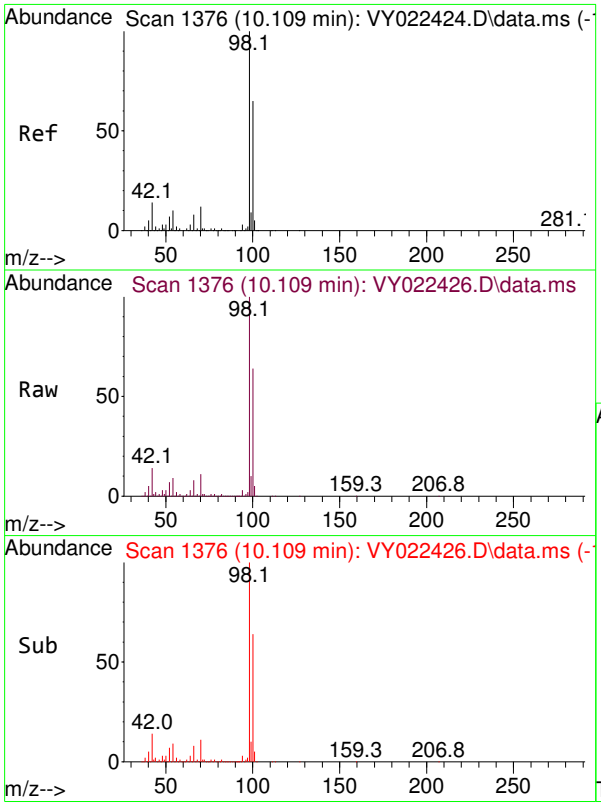
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

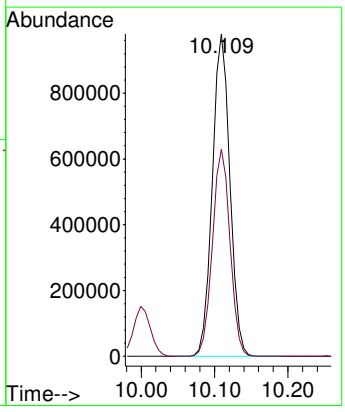


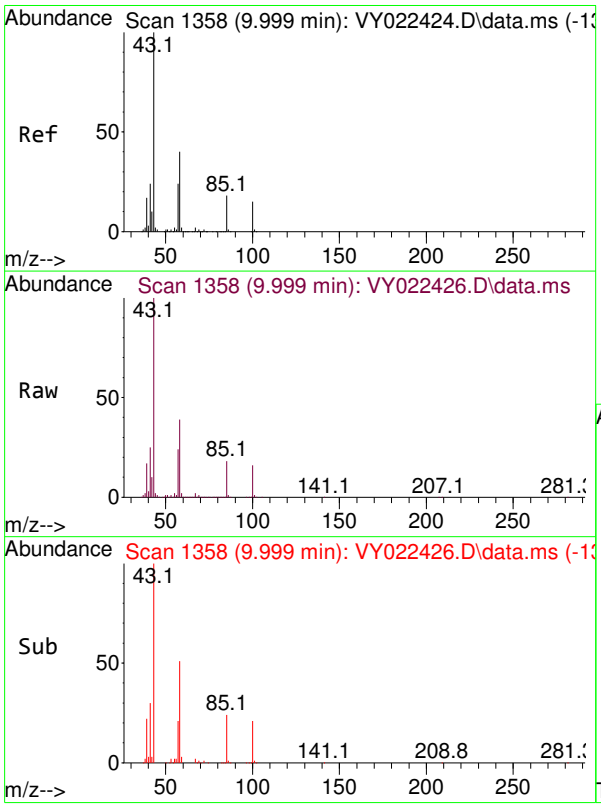


#50
Toluene-d8
Concen: 157.262 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 98 Resp: 1621564

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.2	78.2





#51
4-Methyl-2-Pentanone
Concen: 851.310 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 43 Resp: 156566

Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.2	46.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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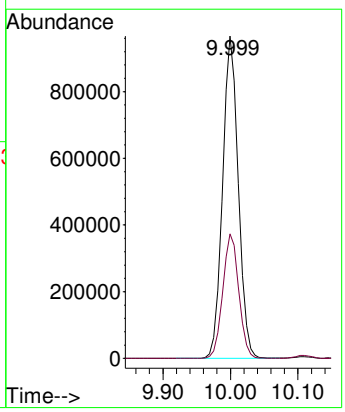
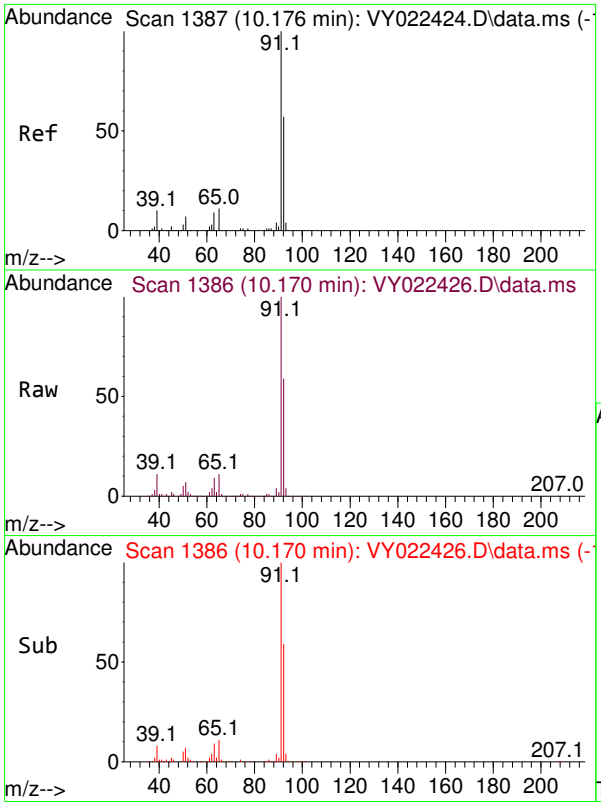
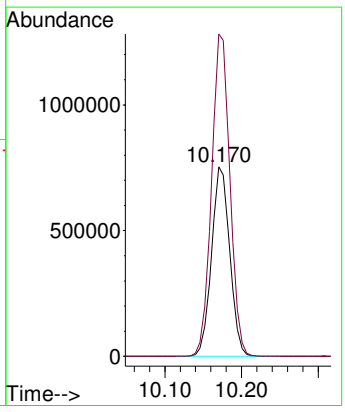


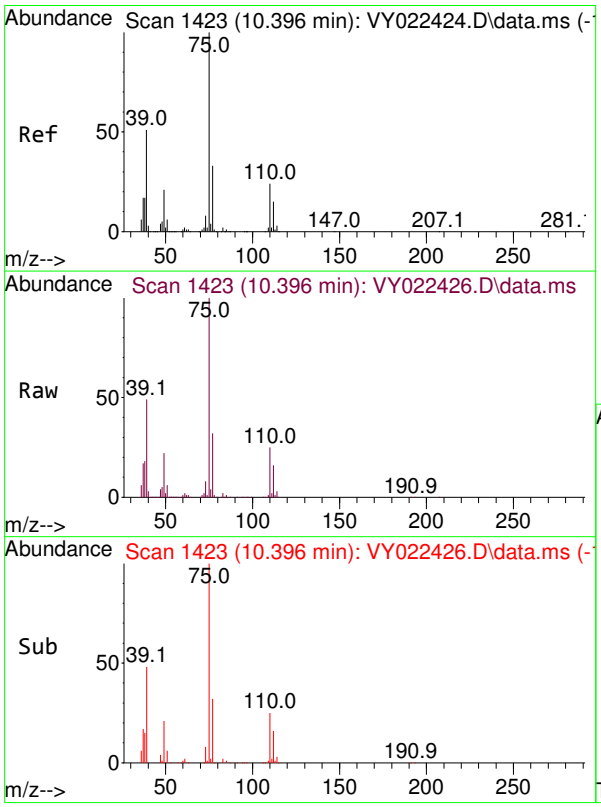


#52
Toluene
Concen: 166.170 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 92 Resp: 1239585

Ion	Ratio	Lower	Upper
92	100		
91	171.8	139.8	209.6





#53
t-1,3-Dichloropropene
Concen: 163.055 ug/l
RT: 10.396 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 75 Resp: 61223

Ion	Ratio	Lower	Upper
75	100		
77	31.8	26.2	39.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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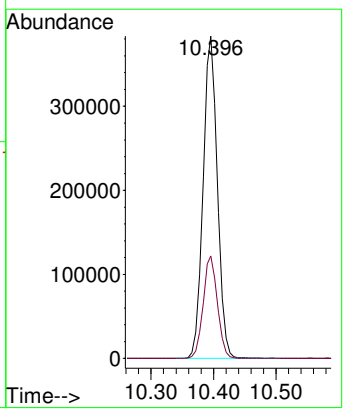
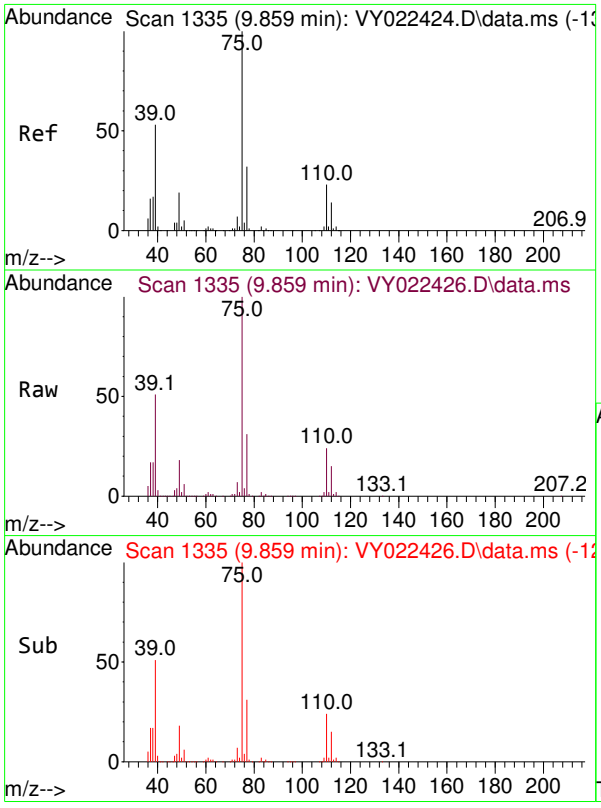
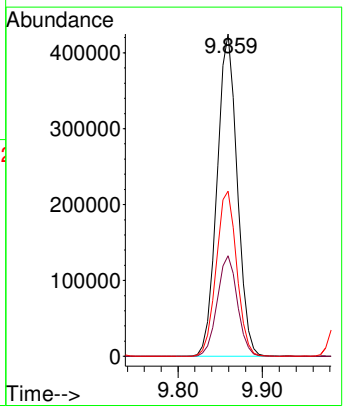


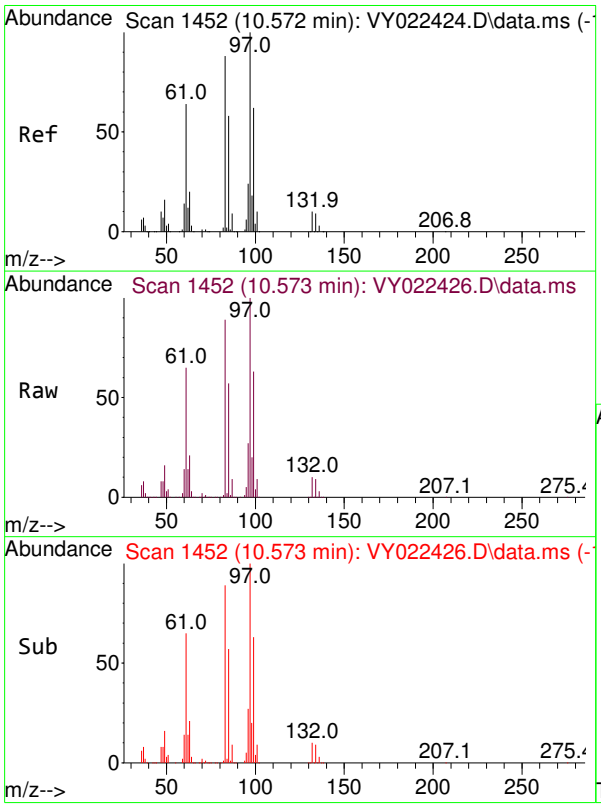


#54
cis-1,3-Dichloropropene
Concen: 160.557 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 75 Resp: 708367

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.2
39	51.2	42.5	63.7

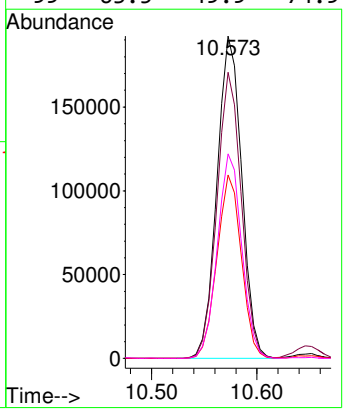




#55
1,1,2-Trichloroethane
Concen: 158.829 ug/l
RT: 10.573 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 97 Resp: 31478

Ion	Ratio	Lower	Upper
97	100		
83	88.7	70.2	105.4
85	56.9	46.1	69.1
99	63.5	49.9	74.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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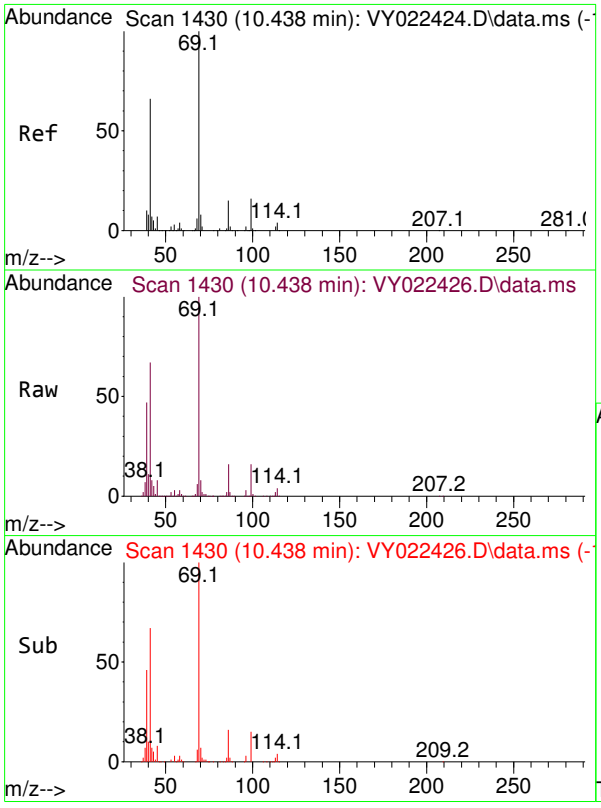
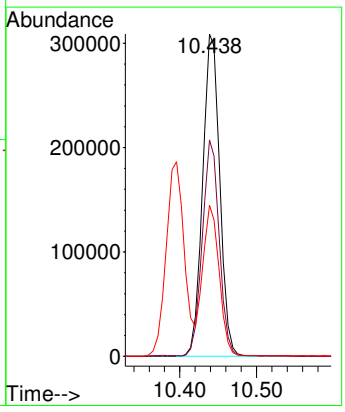
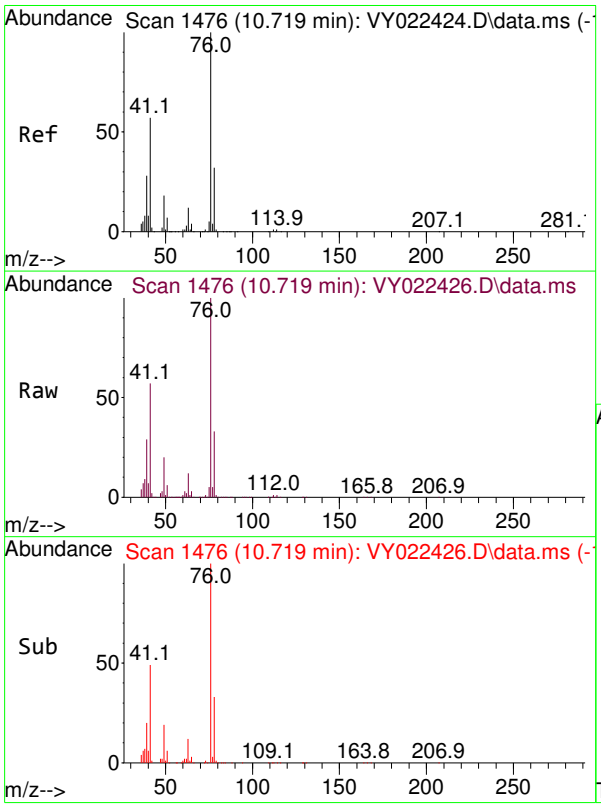


#56
Ethyl methacrylate
Concen: 168.334 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 69 Resp: 478765

Ion	Ratio	Lower	Upper
69	100		
41	66.1	51.2	76.8
39	44.6	35.2	52.8





#57
1,3-Dichloropropane
Concen: 157.203 ug/l
RT: 10.719 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 76 Resp: 54904

Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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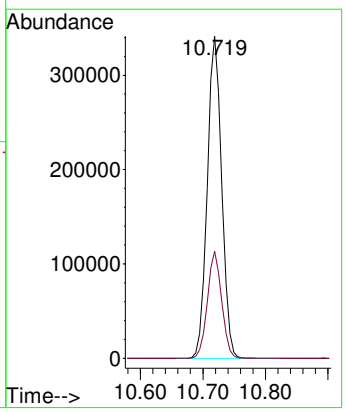
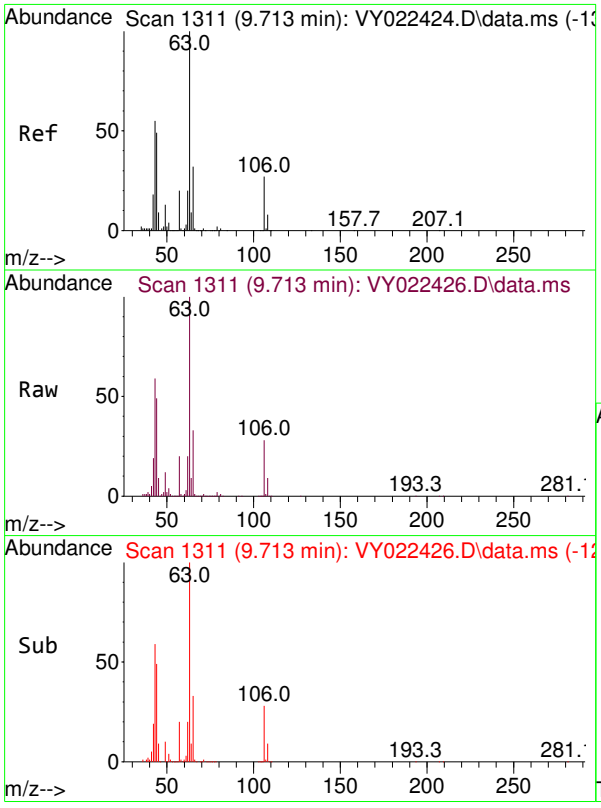
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

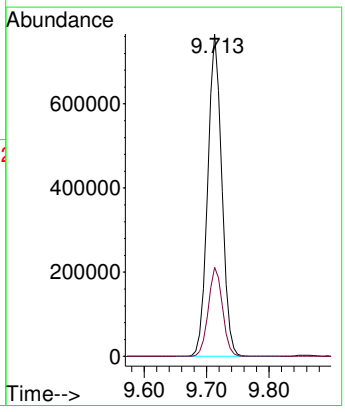


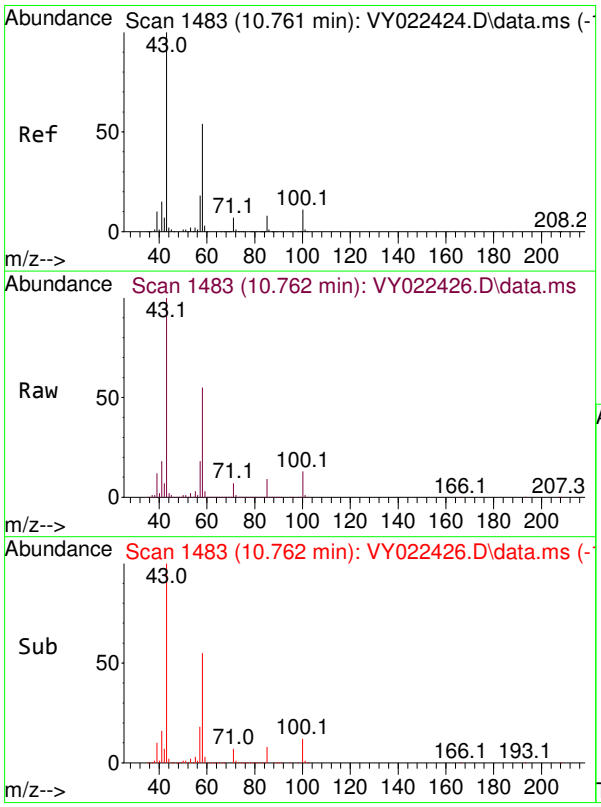


#58
2-Chloroethyl Vinyl ether
Concen: 848.088 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 63 Resp: 1202134

Ion	Ratio	Lower	Upper
63	100		
106	27.7	22.2	33.2





#59
2-Hexanone
Concen: 856.364 ug/l
RT: 10.762 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 43 Resp: 103214

Ion	Ratio	Lower	Upper
43	100		
58	54.9	27.1	81.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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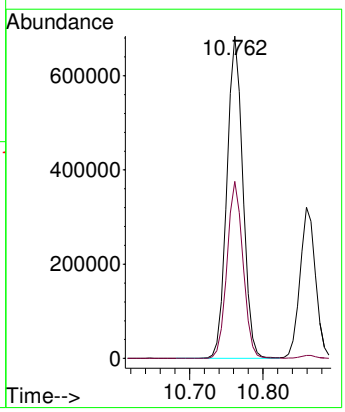
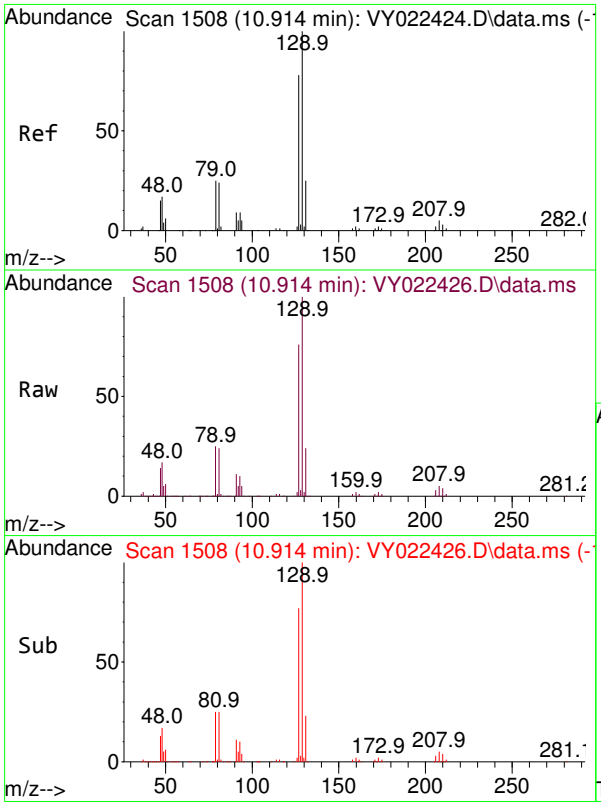
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

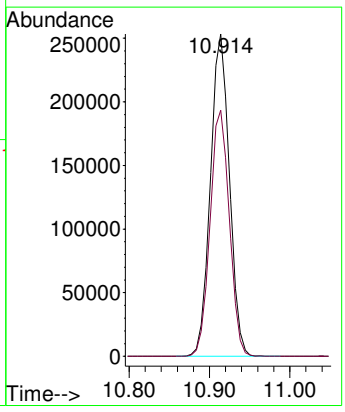


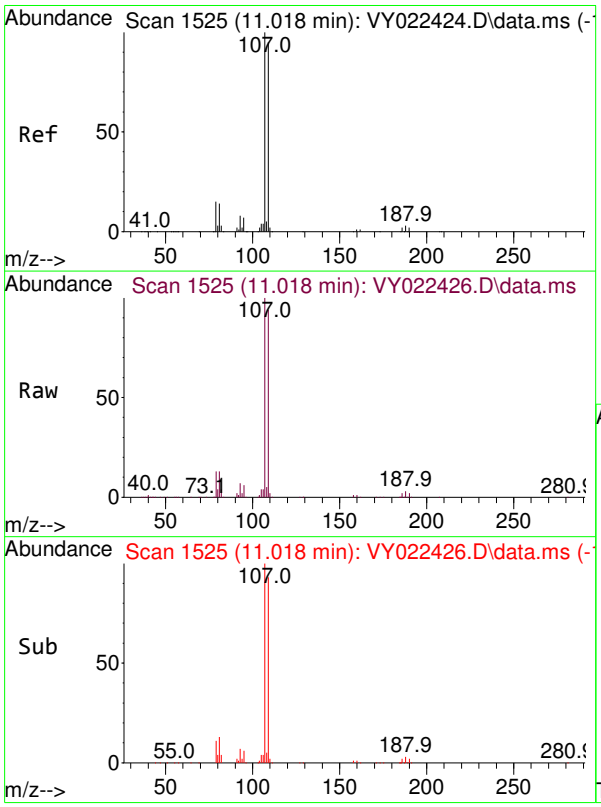


#60
Dibromochloromethane
Concen: 164.093 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:129 Resp: 415432

Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.3	114.8





#61
1,2-Dibromoethane
Concen: 161.091 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:107 Resp: 29201

Ion	Ratio	Lower	Upper
107	100		
109	94.3	74.0	111.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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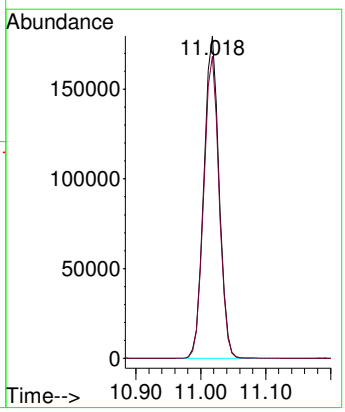
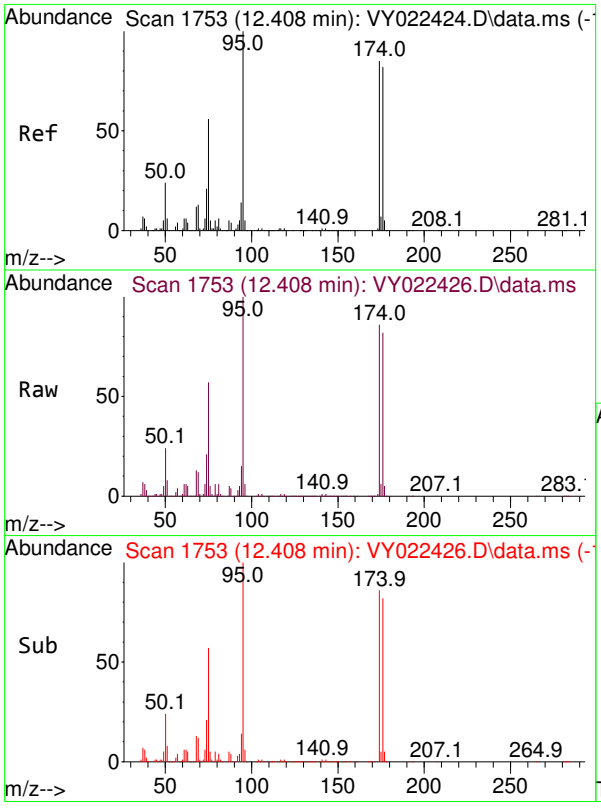
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

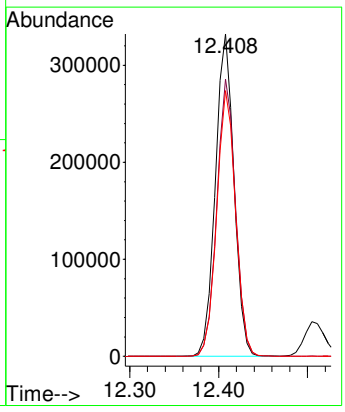


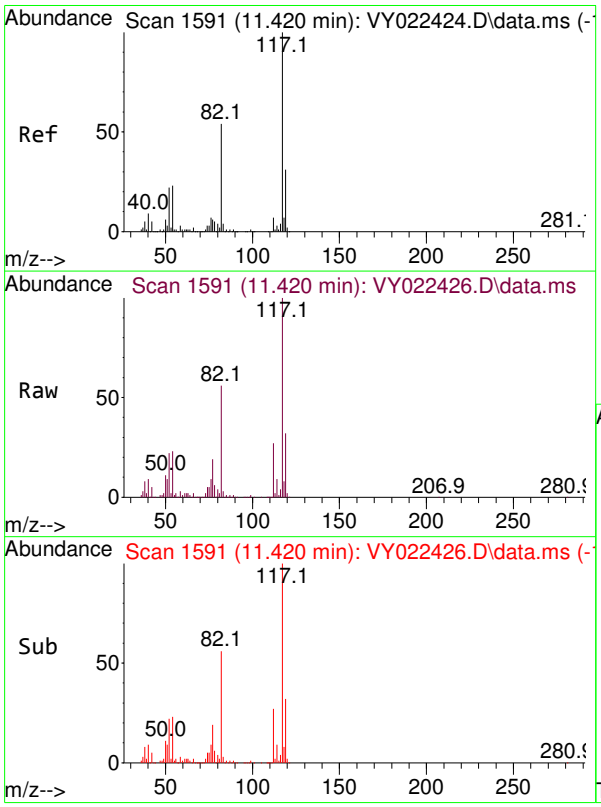


#62
4-Bromofluorobenzene
Concen: 156.173 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 95 Resp: 487100

Ion	Ratio	Lower	Upper
95	100		
174	86.4	0.0	171.6
176	83.6	0.0	164.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:117 Resp: 37660

Ion	Ratio	Lower	Upper
117	100		
82	55.7	43.3	64.9
119	31.7	24.5	36.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Amit Patel 05/28/2025
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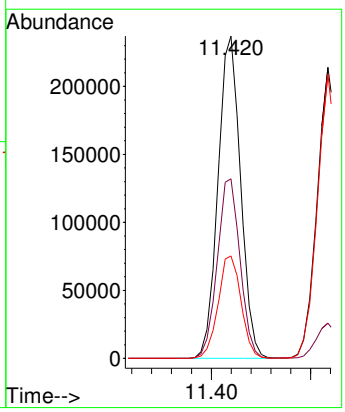
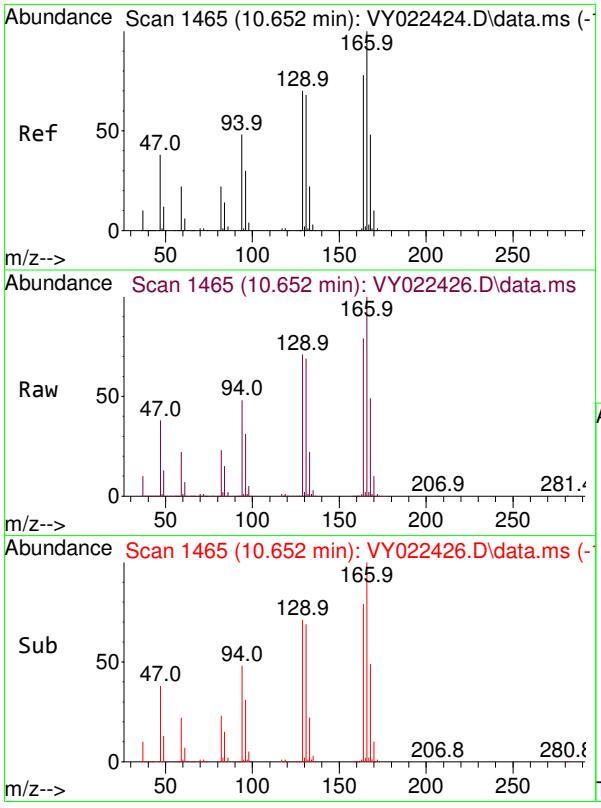
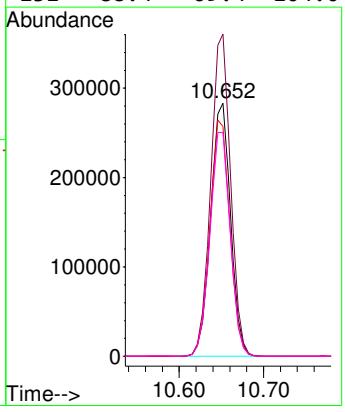


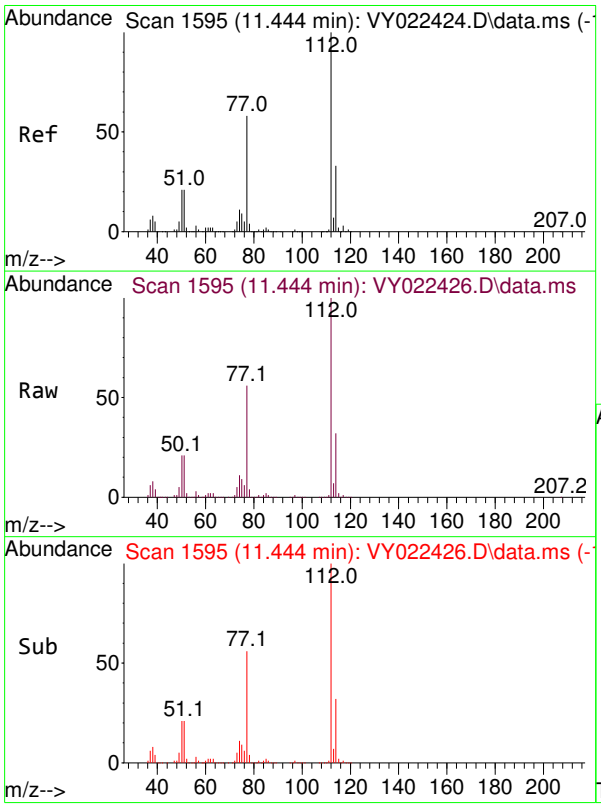


#64
Tetrachloroethene
Concen: 145.442 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:164 Resp: 466490

Ion	Ratio	Lower	Upper
164	100		
166	127.3	102.0	153.0
129	90.7	71.3	106.9
131	88.4	69.4	104.0





#65
Chlorobenzene
Concen: 158.560 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:112 Resp: 127330

Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Amit Patel 05/28/2025
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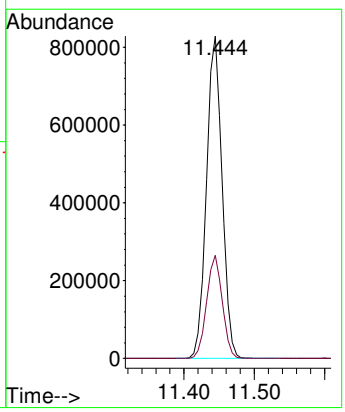
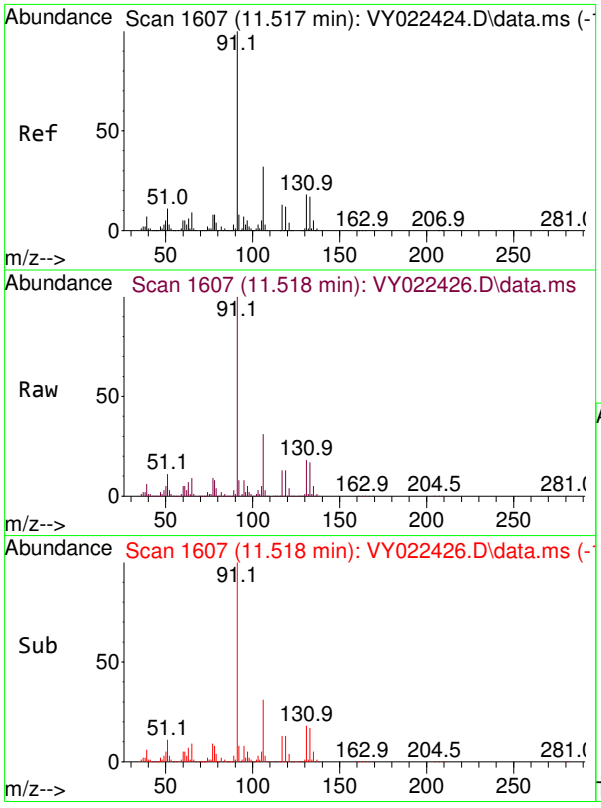
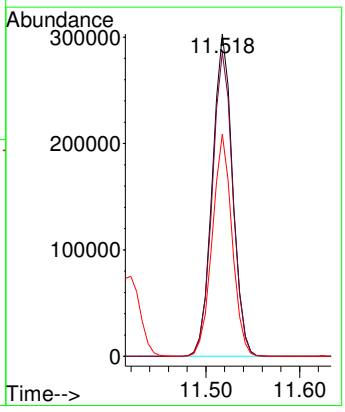


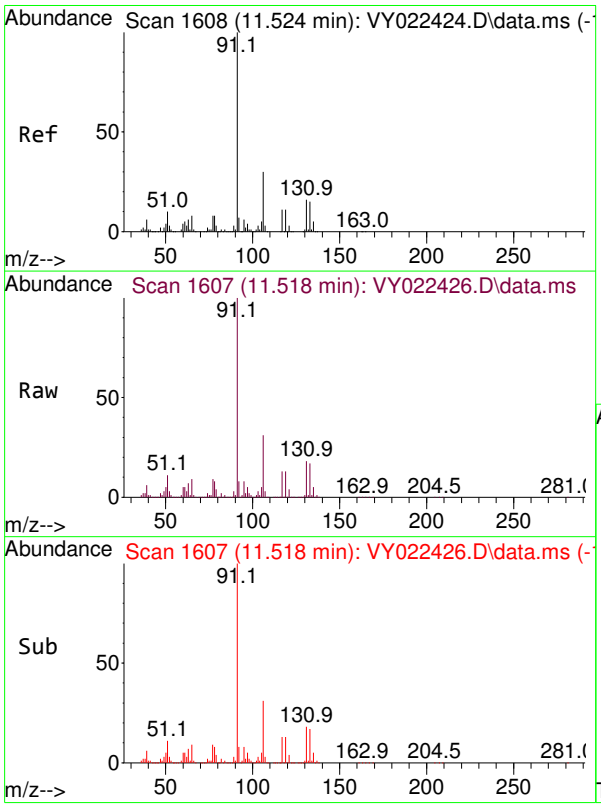


#66
1,1,1,2-Tetrachloroethane
Concen: 166.998 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:131 Resp: 454374

Ion	Ratio	Lower	Upper
131	100		
133	95.4	46.6	139.8
119	67.3	33.3	99.8





#67
Ethyl Benzene
Concen: 165.526 ug/l
RT: 11.518 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 91 Resp: 246813

Ion	Ratio	Lower	Upper
91	100		
106	31.3	24.4	36.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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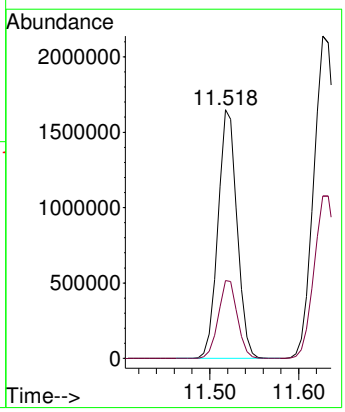
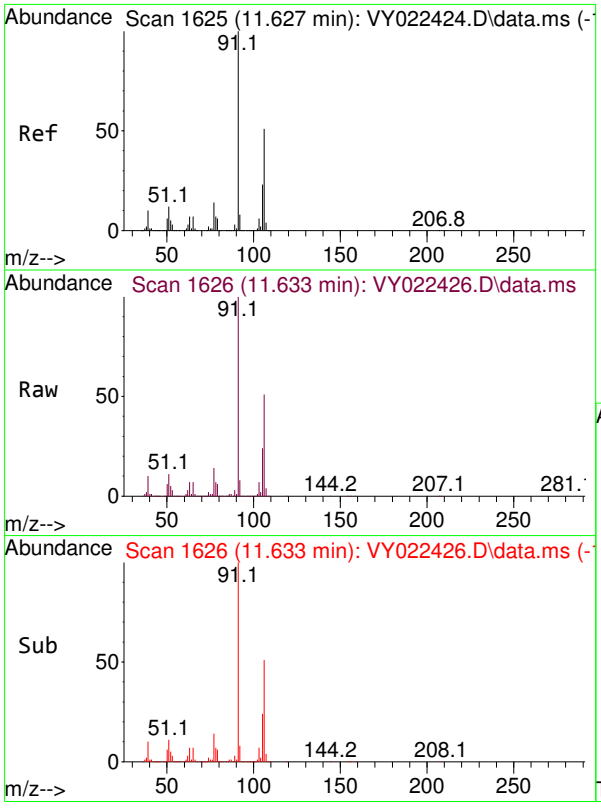
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

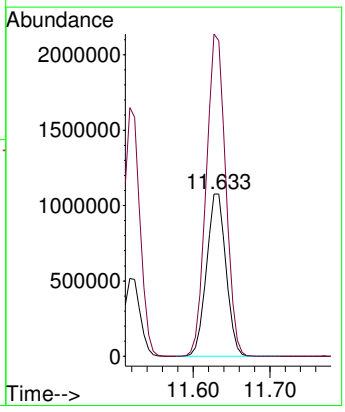


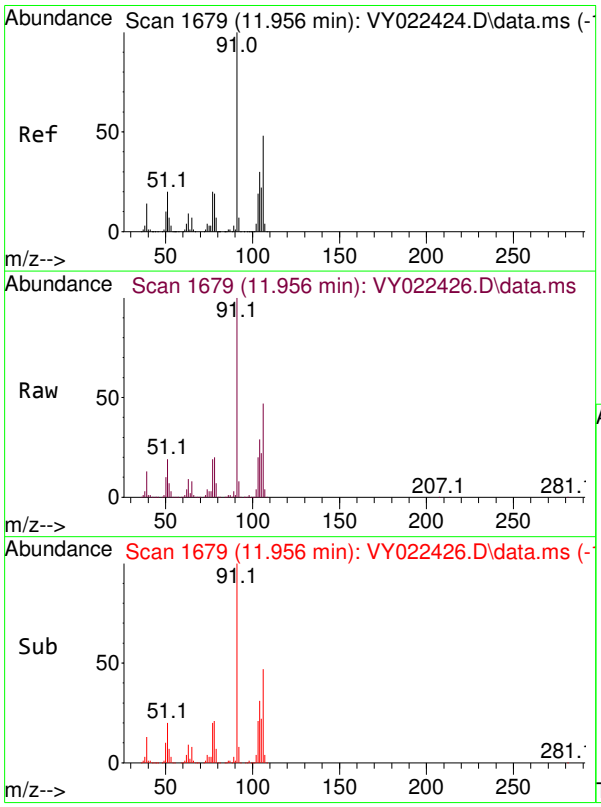


#68
m/p-Xylenes
Concen: 336.111 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:106 Resp: 1900132

Ion	Ratio	Lower	Upper
106	100		
91	198.3	159.8	239.8





#69
o-Xylene
Concen: 168.335 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:106 Resp: 89439

Ion	Ratio	Lower	Upper
106	100		
91	210.6	106.3	318.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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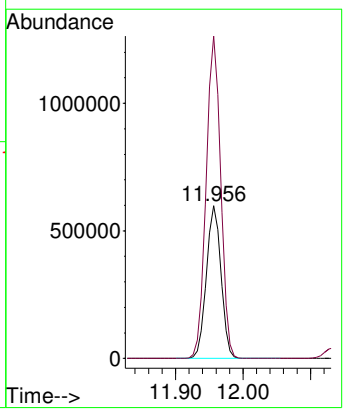
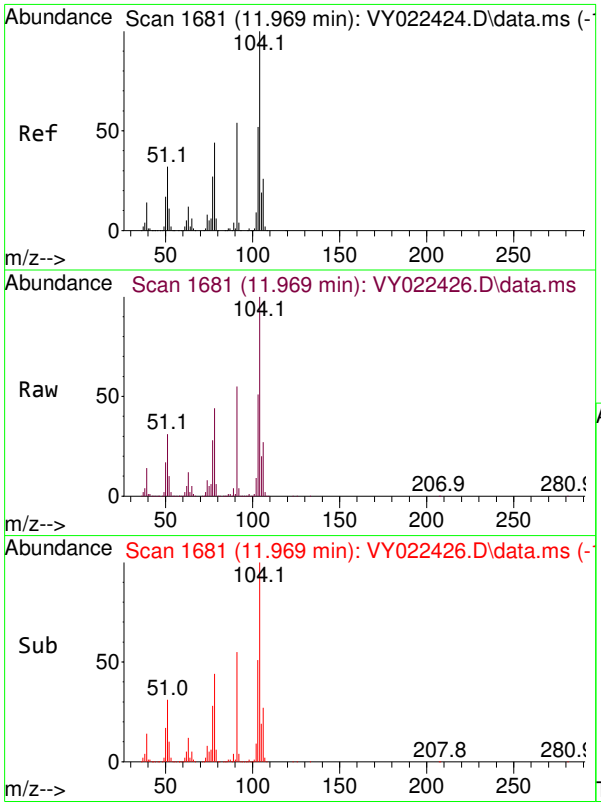
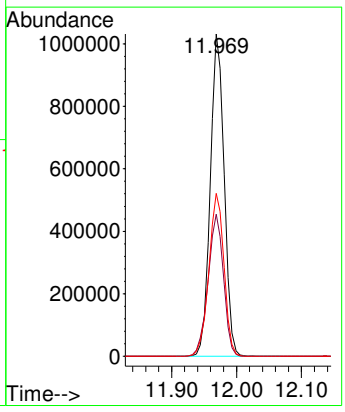


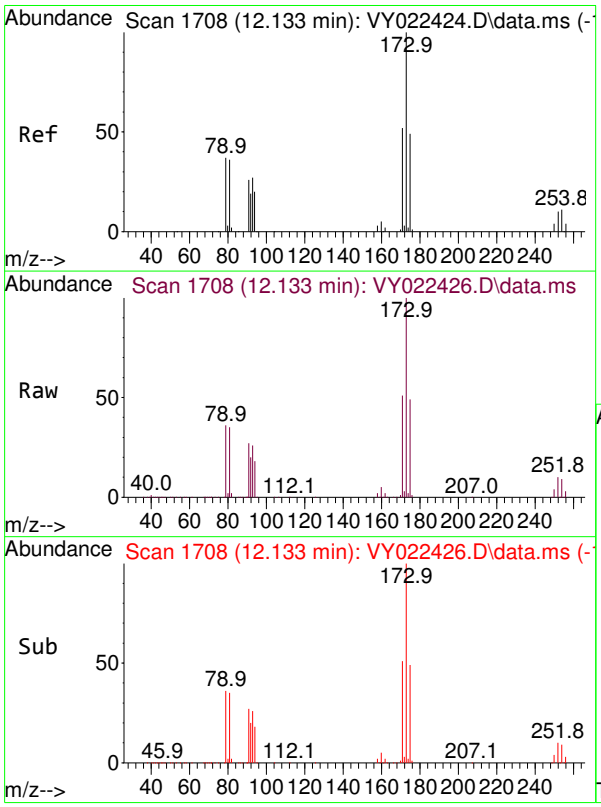


#70
Styrene
Concen: 173.504 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:104 Resp: 1535004

Ion	Ratio	Lower	Upper
104	100		
78	48.8	38.8	58.2
103	54.9	43.4	65.2





#71
Bromoform
Concen: 166.508 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:173 Resp: 23730

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	73.0
254	0.1	0.1	0.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Amit Patel 05/28/2025
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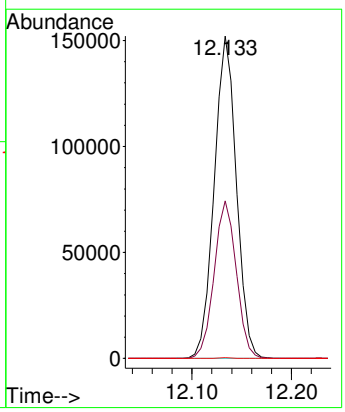
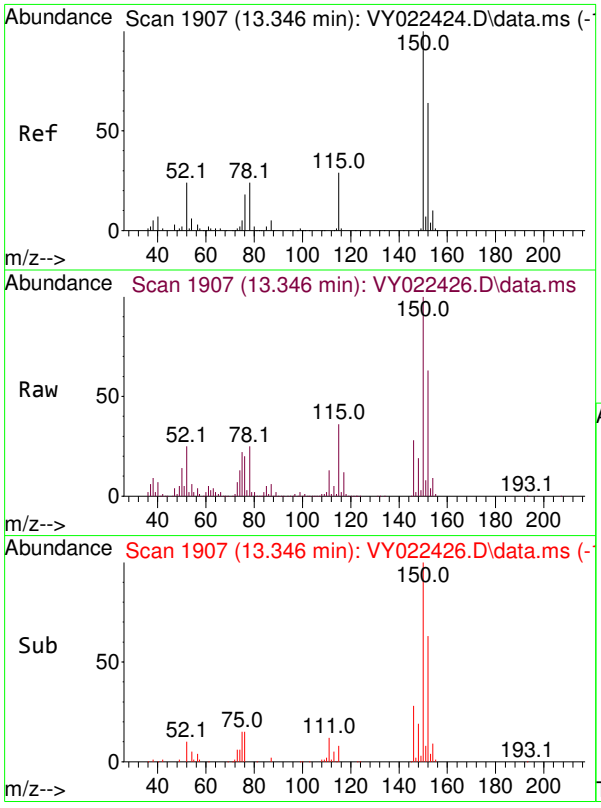
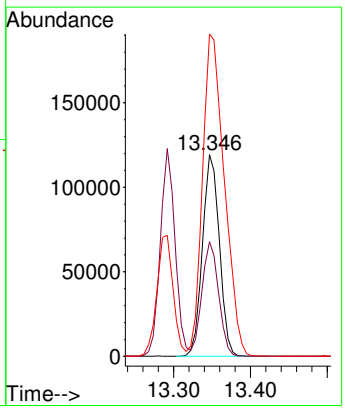


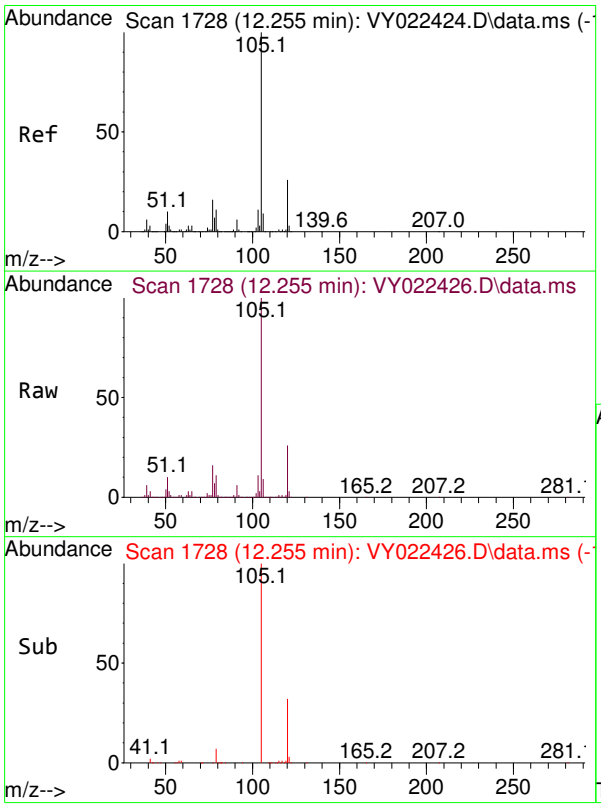


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:152 Resp: 182671

Ion	Ratio	Lower	Upper
152	100		
115	55.8	28.4	85.3
150	206.8	0.0	345.8

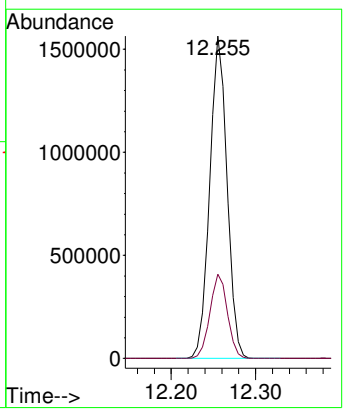




#73
Isopropylbenzene
Concen: 155.735 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:105 Resp: 223898

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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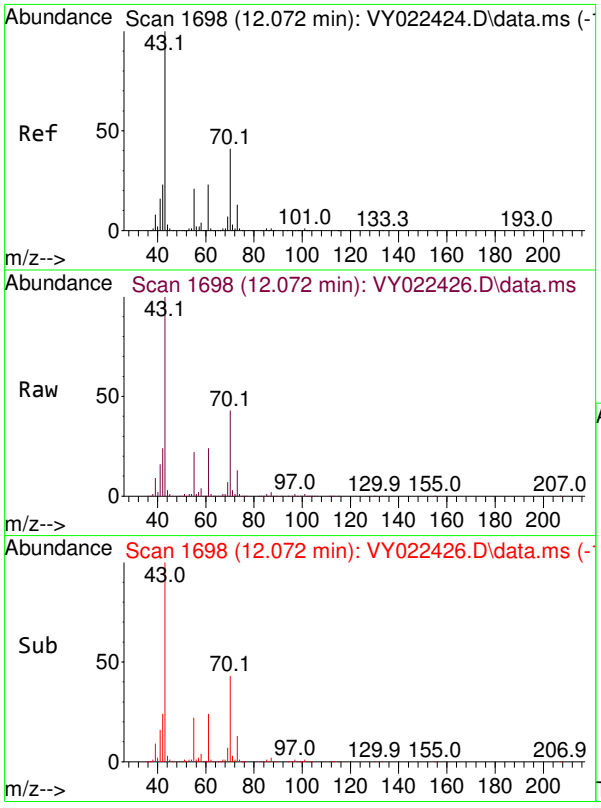
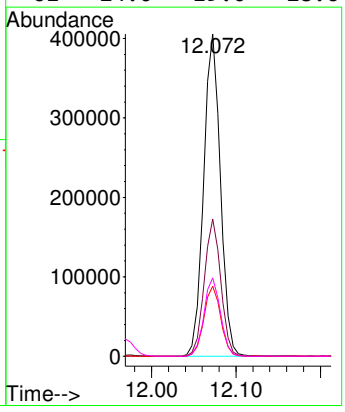
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

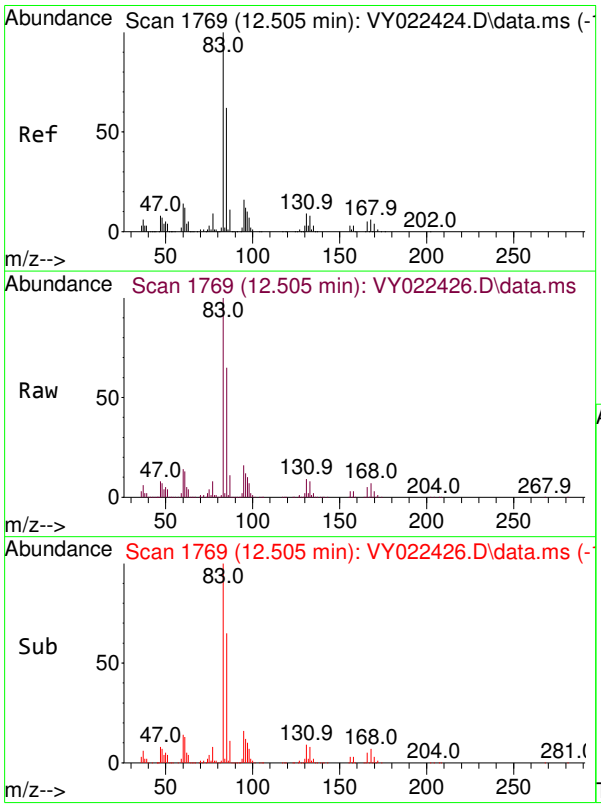


#74
N-amyl acetate
Concen: 159.709 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 43 Resp: 561846

Ion	Ratio	Lower	Upper
43	100		
70	42.0	33.0	49.4
55	22.1	17.5	26.3
61	24.0	19.0	28.6





#75
1,1,2,2-Tetrachloroethane
Concen: 157.873 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

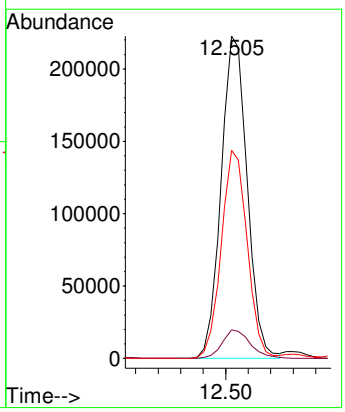
Tgt Ion: 83 Resp: 35760

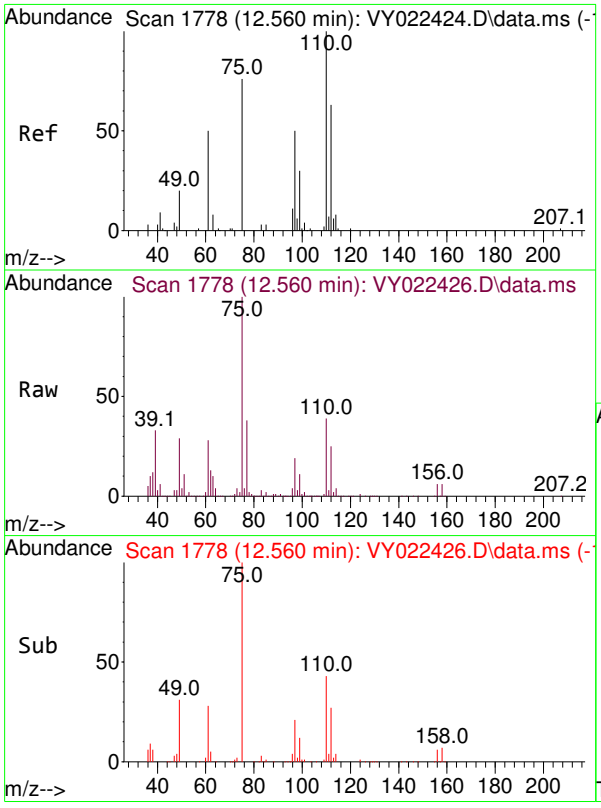
Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	64.2	32.0	96.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

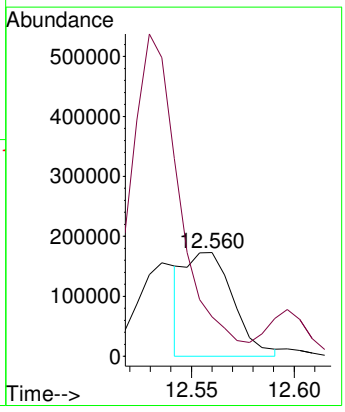


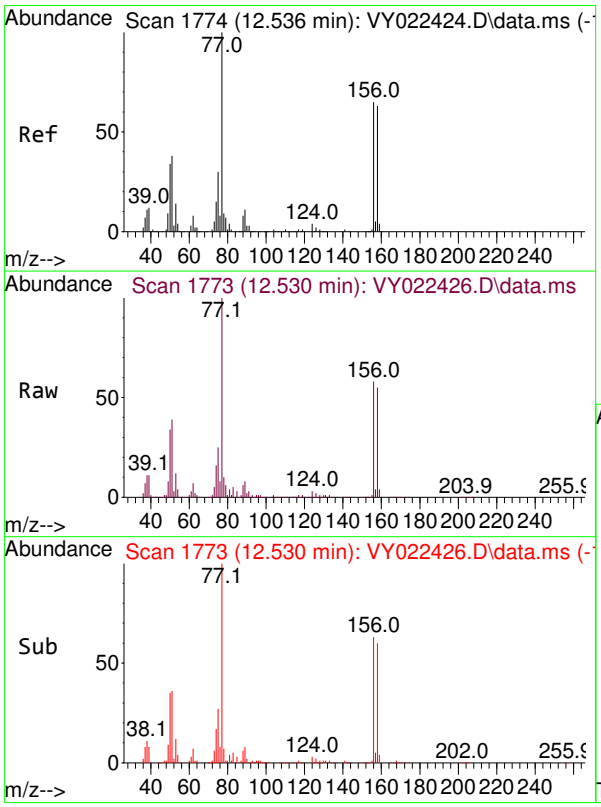


#76
1,2,3-Trichloropropane
Concen: 93.124 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 75 Resp: 280272

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

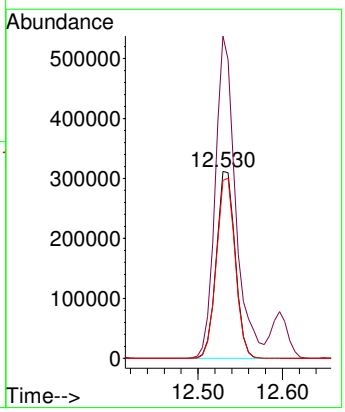




#77
Bromobenzene
Concen: 156.697 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:156 Resp: 48479

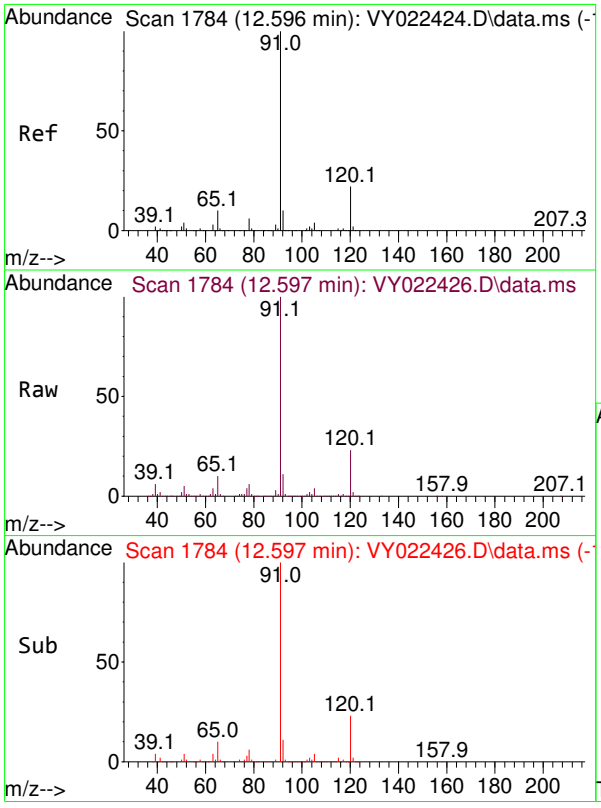
Ion	Ratio	Lower	Upper
156	100		
77	186.6	91.4	274.2
158	96.3	48.1	144.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

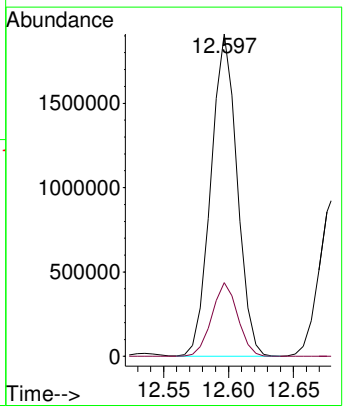
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

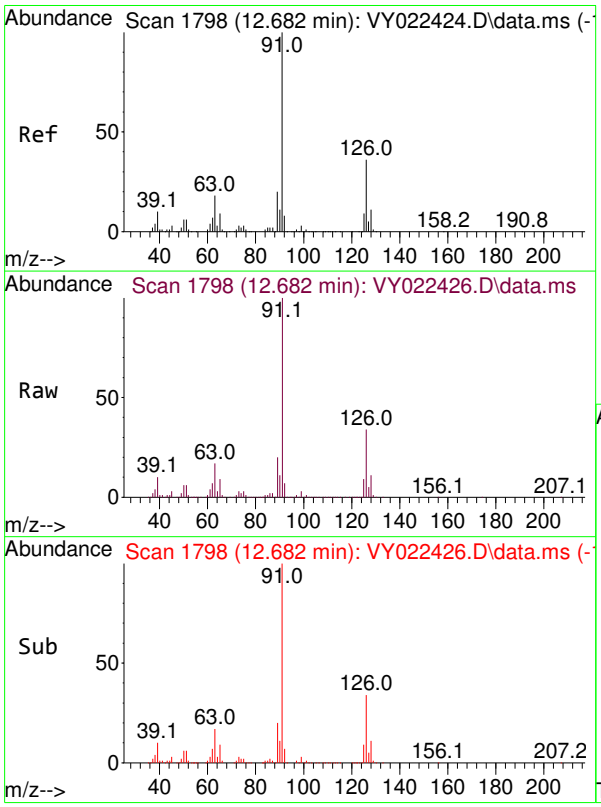


#78
n-propylbenzene
Concen: 155.406 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 91 Resp: 2681276

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.2	33.5





#79
2-Chlorotoluene
Concen: 155.407 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 91 Resp: 145143

Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.4	52.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Amit Patel 05/28/2025
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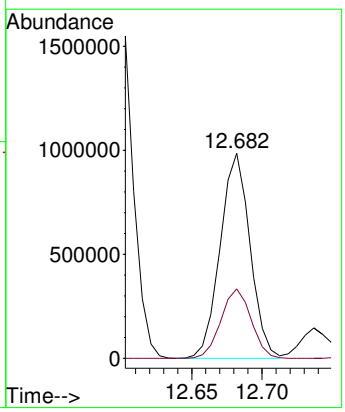
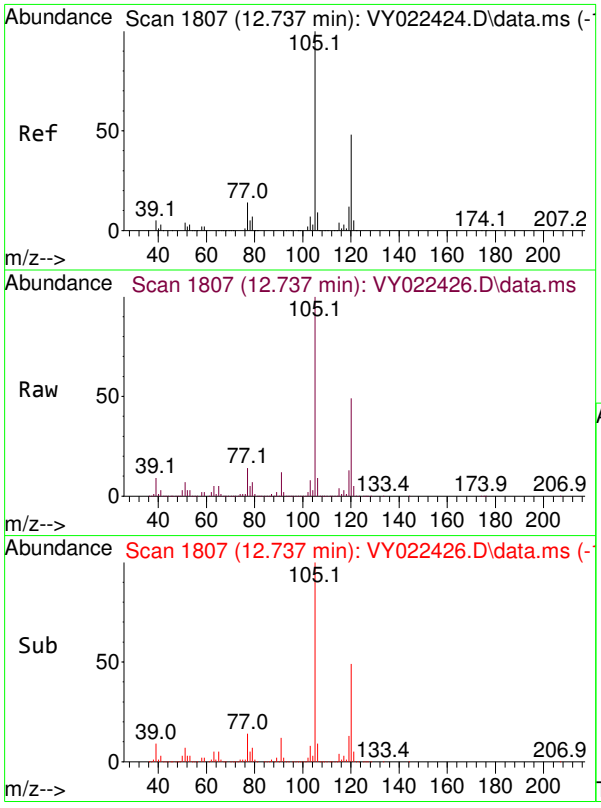
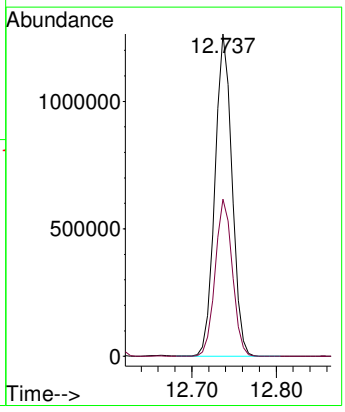


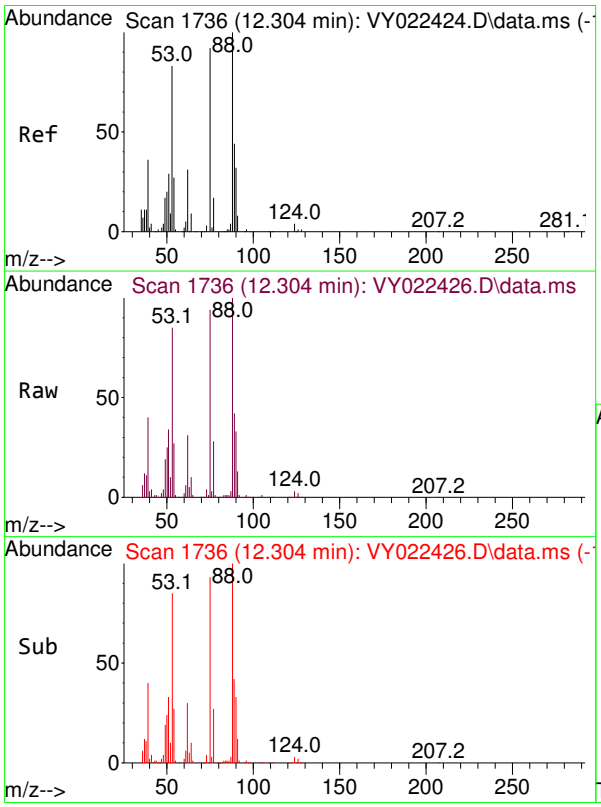


#80
1,3,5-Trimethylbenzene
Concen: 158.958 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:105 Resp: 1785622

Ion	Ratio	Lower	Upper
105	100		
120	49.1	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 160.016 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 75 Resp: 12946

Ion	Ratio	Lower	Upper
75	100		
53	89.5	75.1	112.7
89	44.7	37.4	56.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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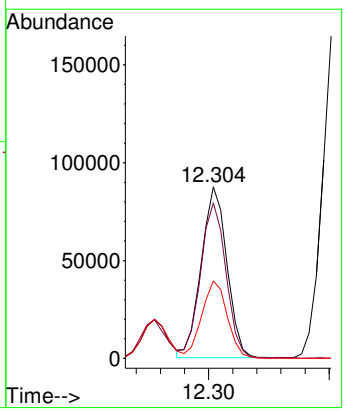
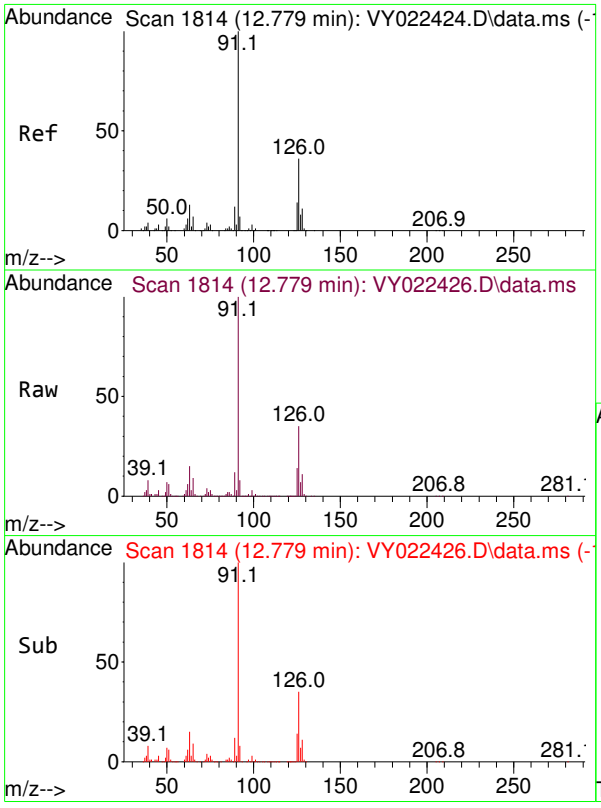
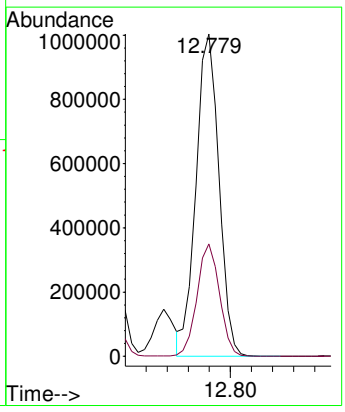


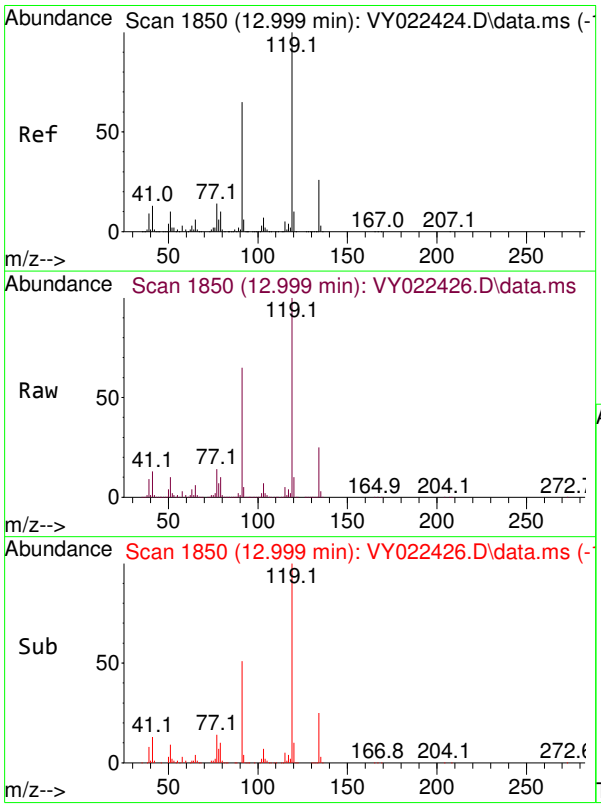


#82
4-Chlorotoluene
Concen: 157.395 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 91 Resp: 1513977

Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.2	51.6





#83
tert-Butylbenzene
Concen: 157.076 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:119 Resp: 159419

Ion	Ratio	Lower	Upper
119	100		
91	63.9	31.8	95.3
134	26.0	13.0	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Amit Patel 05/28/2025
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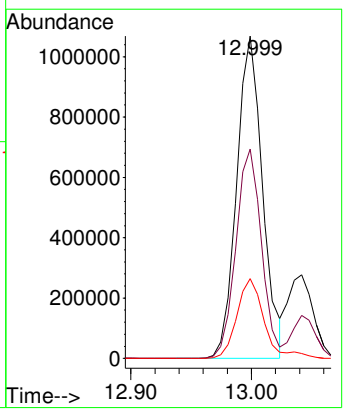
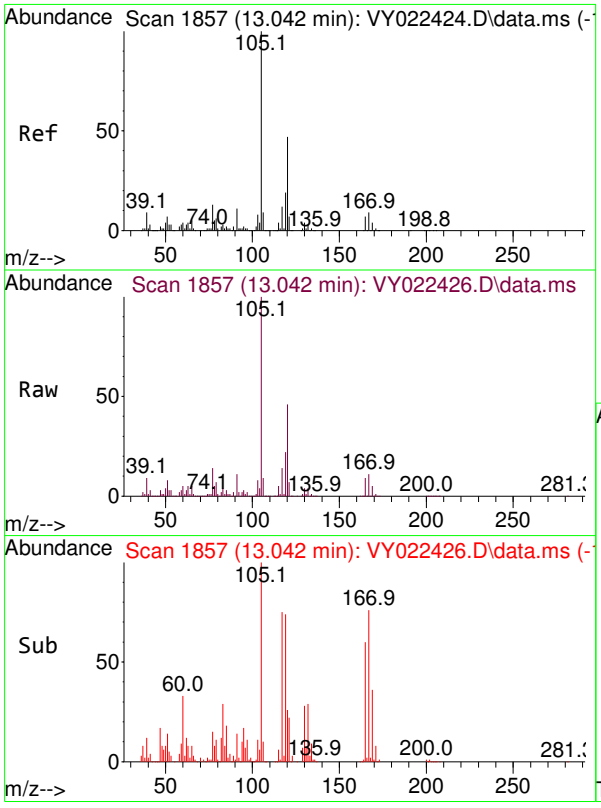
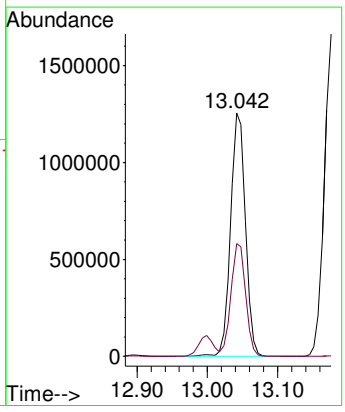


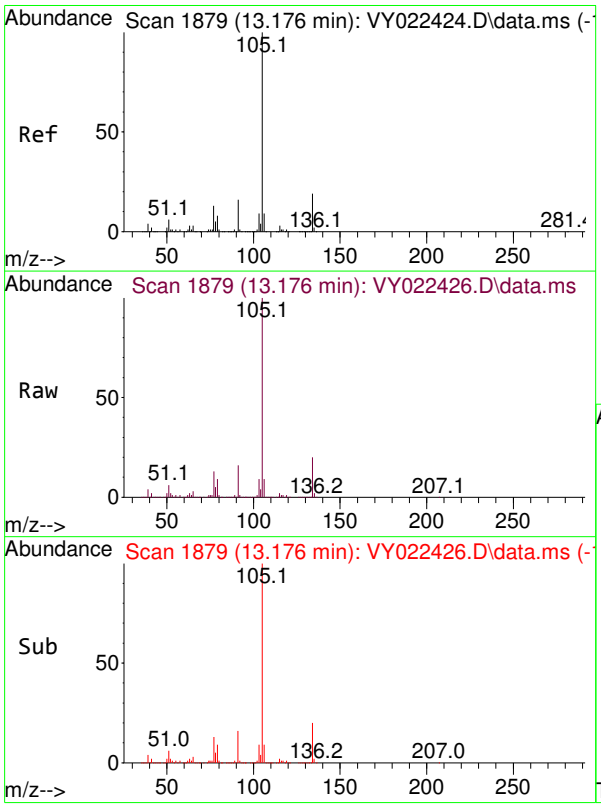


#84
1,2,4-Trimethylbenzene
Concen: 162.038 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:105 Resp: 1831722

Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.9	68.5

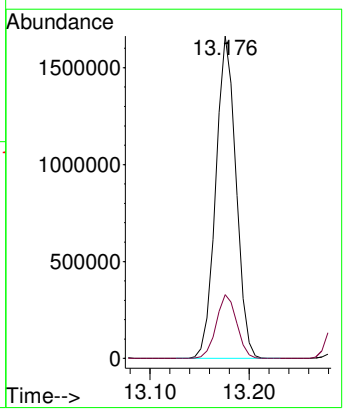




#85
sec-Butylbenzene
Concen: 157.674 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:105 Resp: 237321

Ion	Ratio	Lower	Upper
105	100		
134	20.0	9.7	29.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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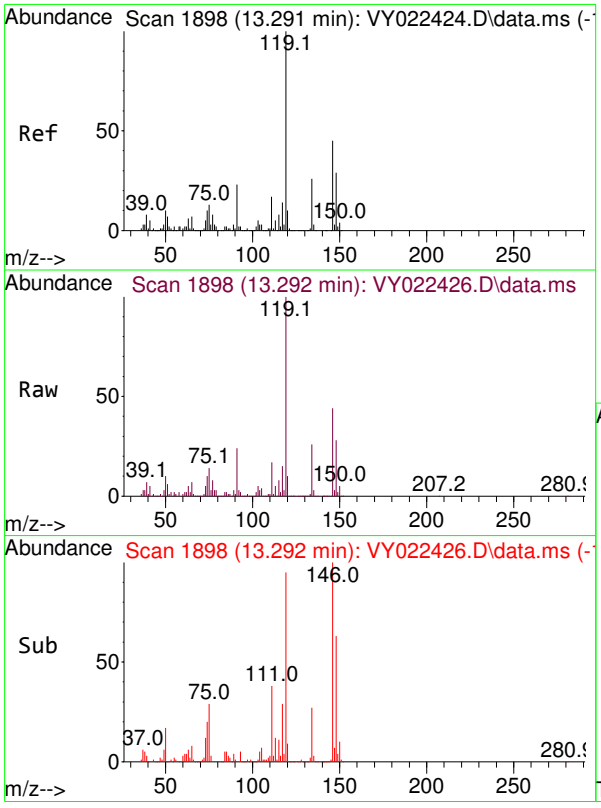
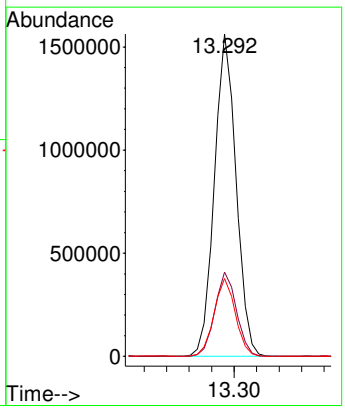
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

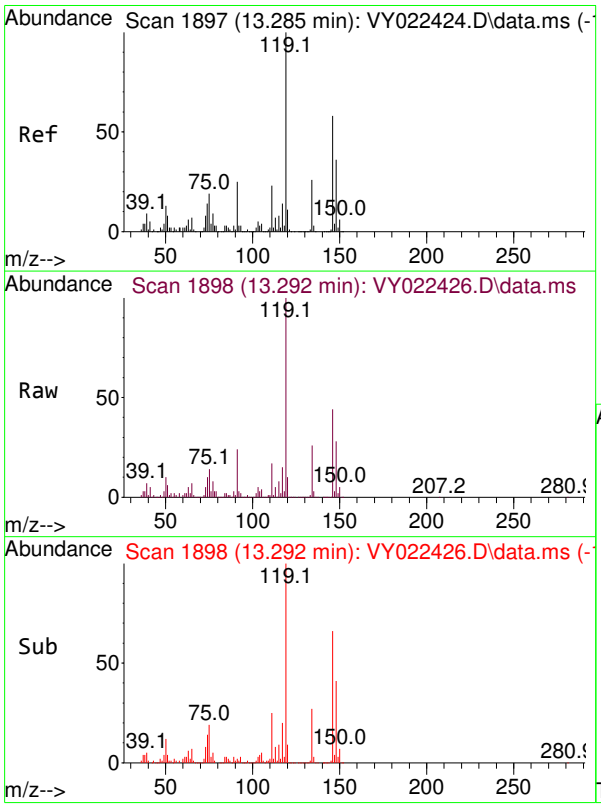


#86
p-Isopropyltoluene
Concen: 165.843 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:119 Resp: 2084441

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.0	39.0
91	23.8	11.6	34.8





#87
1,3-Dichlorobenzene
Concen: 164.991 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

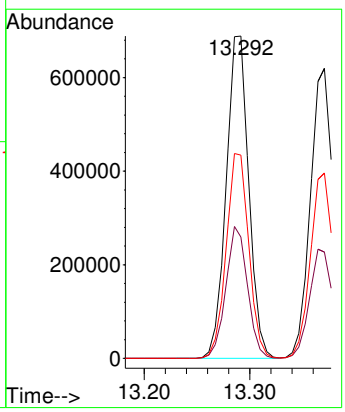
Tgt Ion:146 Resp: 102708

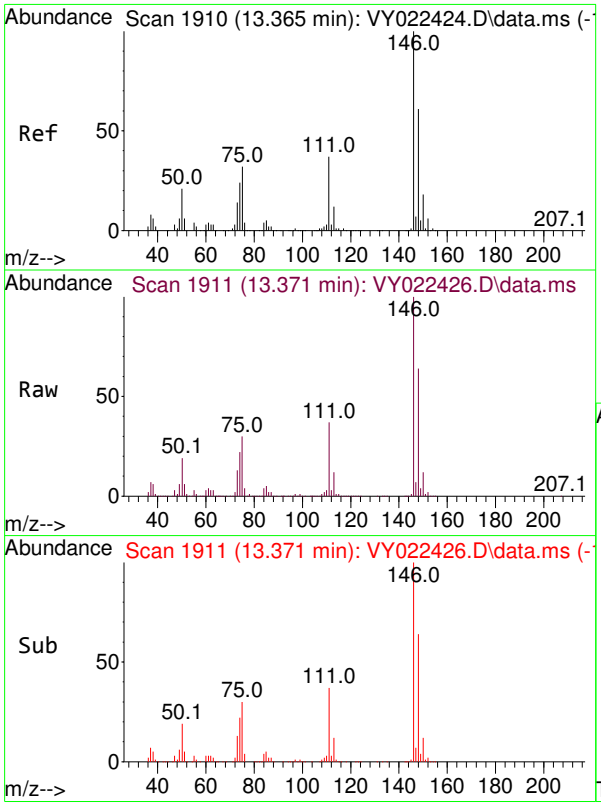
Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.8
148	63.6	31.7	95.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

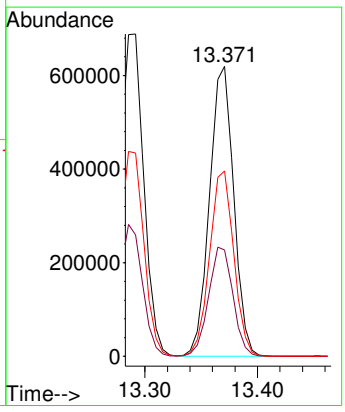


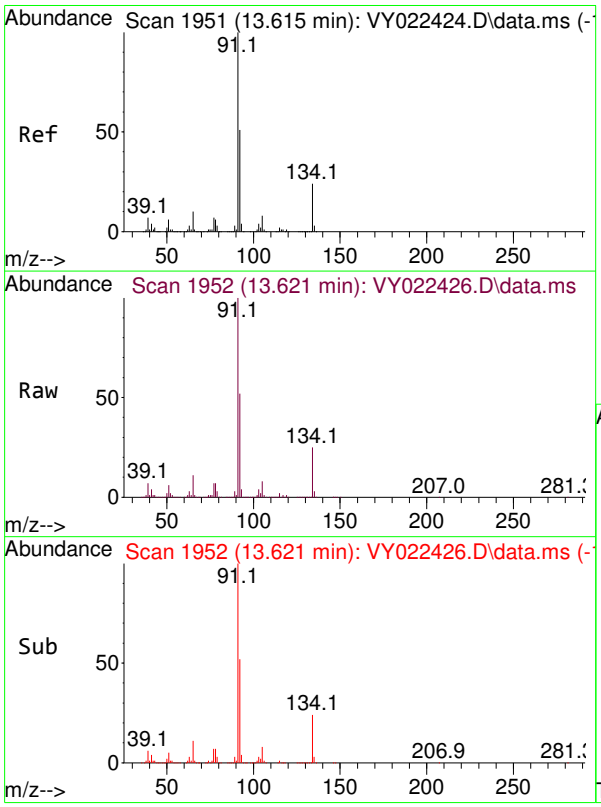


#88
1,4-Dichlorobenzene
Concen: 155.292 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:146 Resp: 924346

Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.7	56.1
148	64.0	31.4	94.3

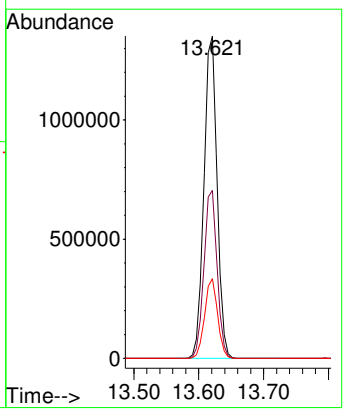




#89
n-Butylbenzene
Concen: 160.316 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 91 Resp: 188927

Ion	Ratio	Lower	Upper
91	100		
92	52.4	25.9	77.6
134	24.5	12.4	37.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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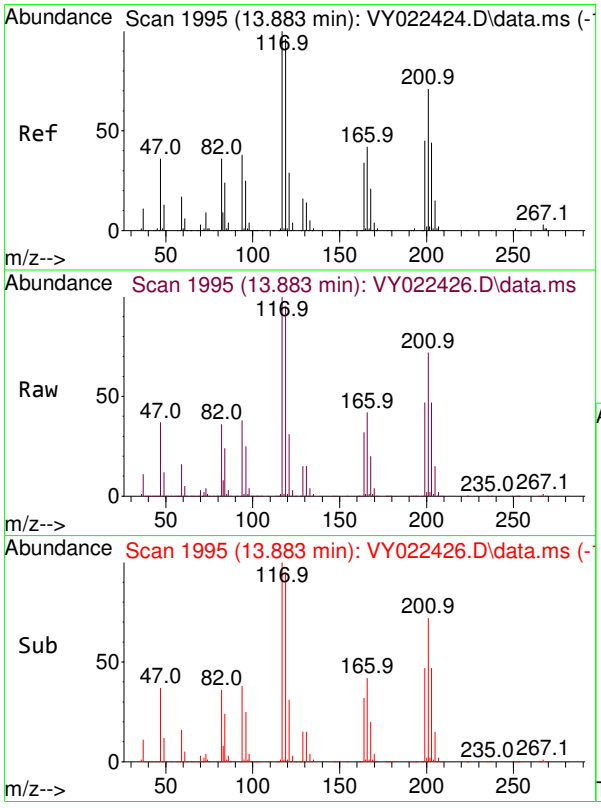
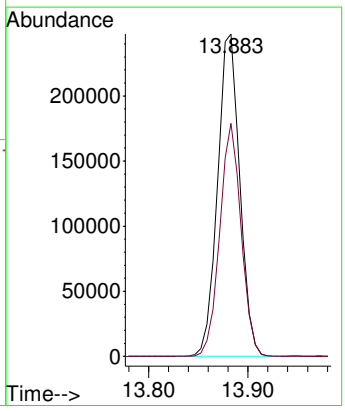
Supervised By :Mahesh Dadoda 05/28/2025

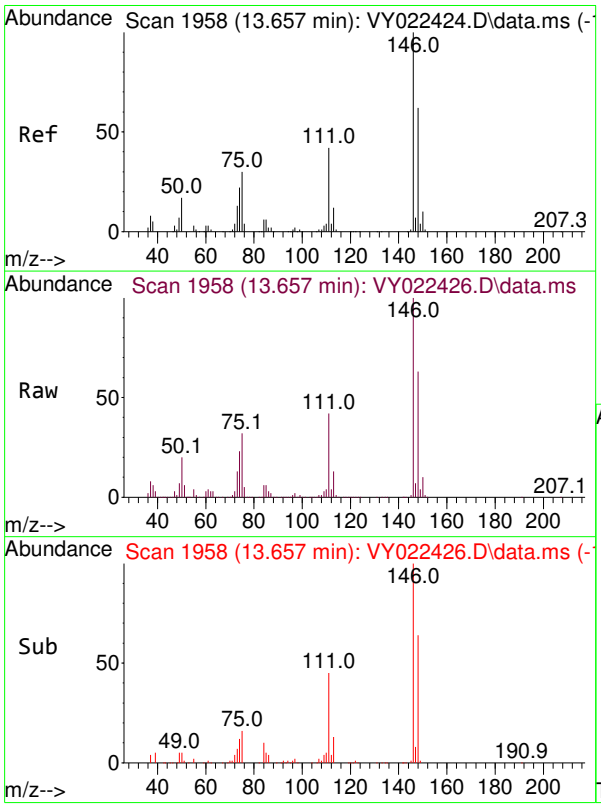


#90
Hexachloroethane
Concen: 154.660 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:117 Resp: 386833

Ion	Ratio	Lower	Upper
117	100		
201	69.4	35.0	105.0

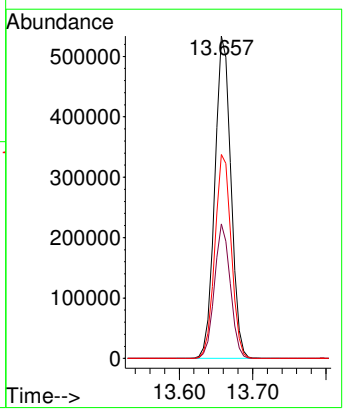




#91
1,2-Dichlorobenzene
Concen: 156.218 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:146 Resp: 8122

Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.5	61.6
148	64.2	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Amit Patel 05/28/2025
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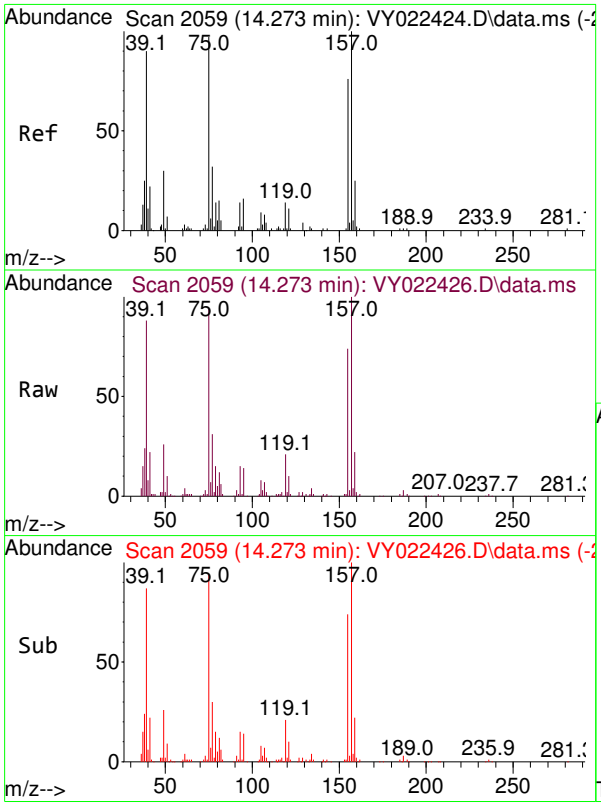
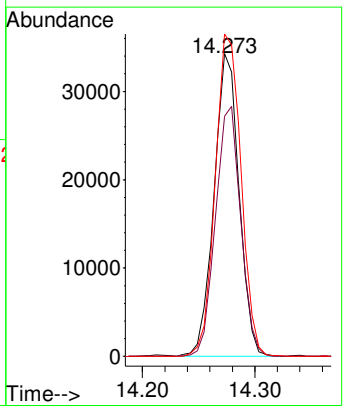
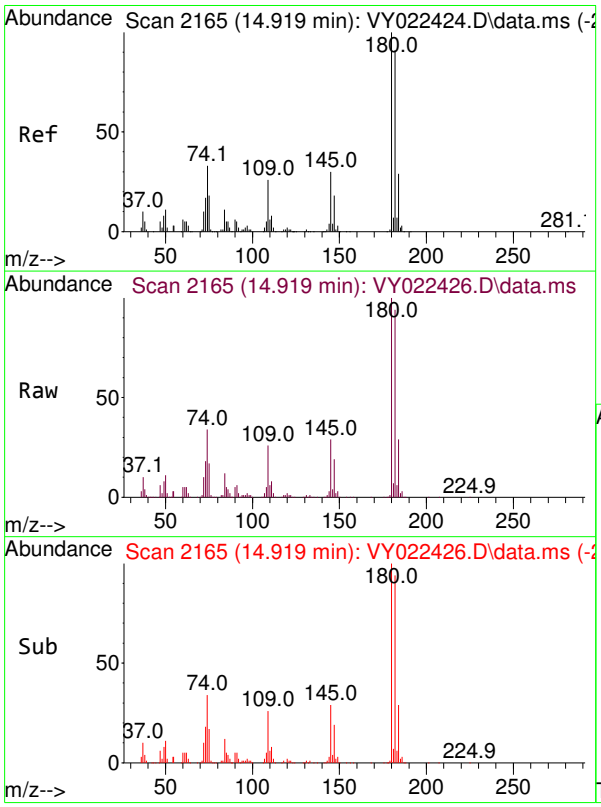


#92
1,2-Dibromo-3-Chloropropane
Concen: 150.784 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion: 75 Resp: 52777

Ion	Ratio	Lower	Upper
75	100		
155	83.4	42.3	126.8
157	109.9	54.4	163.3

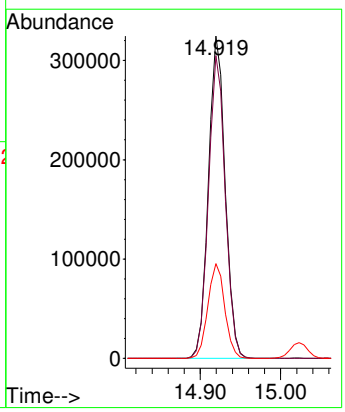




#93
1,2,4-Trichlorobenzene
Concen: 162.662 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:180 Resp: 46887

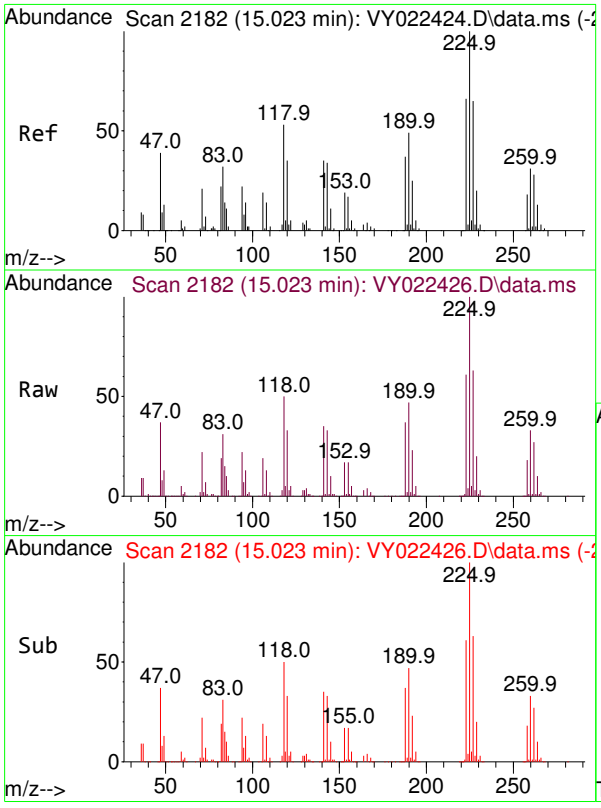
Ion	Ratio	Lower	Upper
180	100		
182	94.1	46.2	138.6
145	29.6	14.2	42.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

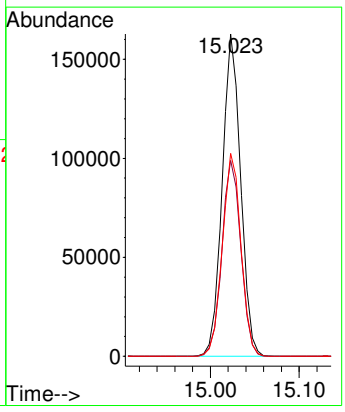
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

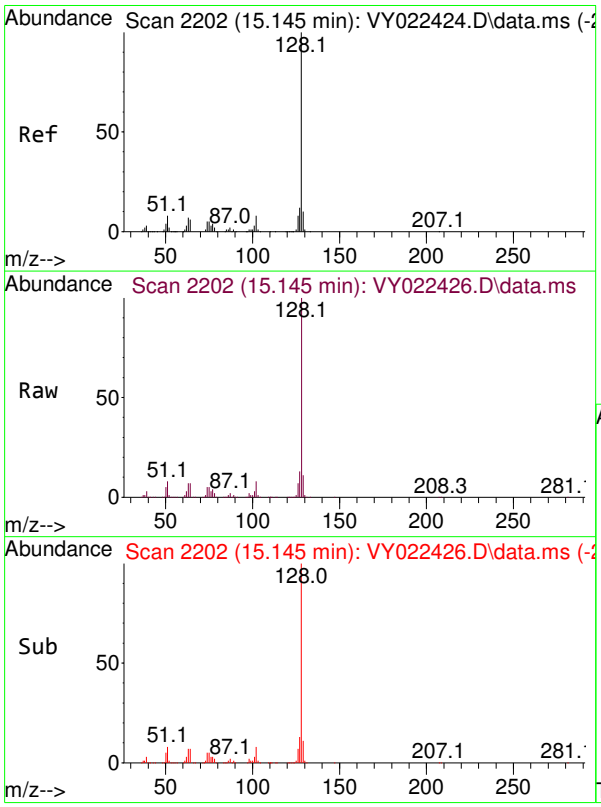


#94
Hexachlorobutadiene
Concen: 156.325 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:225 Resp: 236480

Ion	Ratio	Lower	Upper
225	100		
223	62.3	32.6	97.7
227	63.7	33.0	99.0

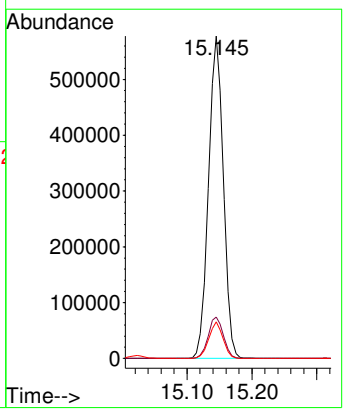




#95
Naphthalene
Concen: 171.849 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:128 Resp: 91576

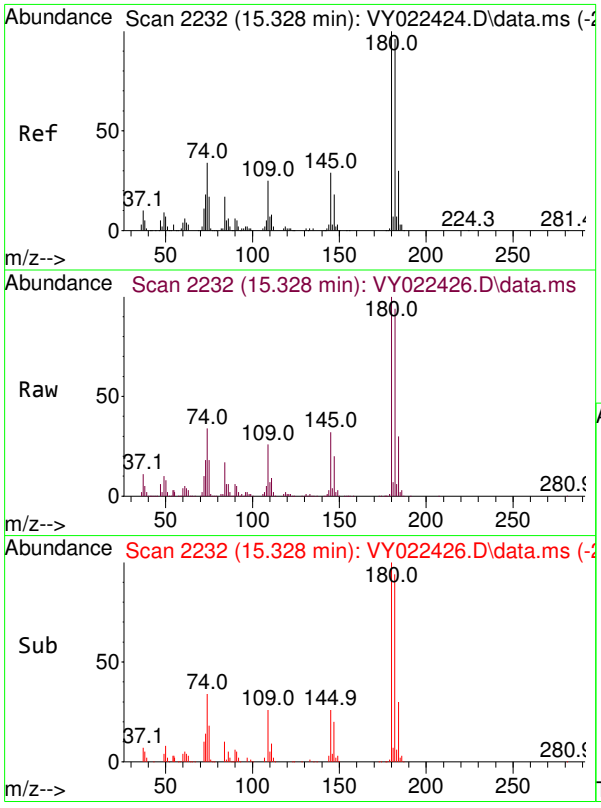
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	10.9	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

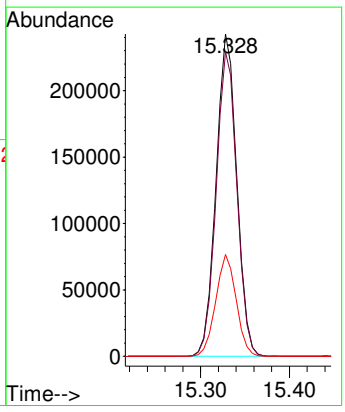
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 167.307 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022426.D
Acq: 27 May 2025 10:44

Tgt Ion:180 Resp: 395519

Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.1	144.3
145	31.2	14.9	44.5



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022428.D
Acq On : 27 May 2025 11:56
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 10:39:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	253507	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	425137	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	371169	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	177242	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	135927	50.905	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.800%			
35) Dibromofluoromethane	7.634	113	126788	50.924	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.840%			
50) Toluene-d8	10.109	98	516469	50.886	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.780%			
62) 4-Bromofluorobenzene	12.408	95	155747	50.731	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.460%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	103680	42.867	ug/l	98
3) Chloromethane	2.068	50	343646	57.762	ug/l	96
4) Vinyl Chloride	2.202	62	378150	52.322	ug/l	99
5) Bromomethane	2.598	94	378531	57.634	ug/l	100
6) Chloroethane	2.733	64	272398	57.677	ug/l	99
7) Trichlorofluoromethane	3.050	101	341076	55.933	ug/l	98
8) Diethyl Ether	3.458	74	74240	52.801	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	125740	47.001	ug/l	99
10) Methyl Iodide	4.007	142	147302	48.805	ug/l	100
11) Tert butyl alcohol	4.891	59	53913	286.443	ug/l	98
12) 1,1-Dichloroethene	3.787	96	129146	48.624	ug/l	96
13) Acrolein	3.653	56	75220	266.723	ug/l	100
14) Allyl chloride	4.385	41	206704	51.736	ug/l	99
15) Acrylonitrile	5.061	53	157491	277.887	ug/l	100
16) Acetone	3.885	43	127318	290.164	ug/l	93
17) Carbon Disulfide	4.110	76	422273	49.820	ug/l	100
18) Methyl Acetate	4.385	43	98344	59.833	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	376709	53.423	ug/l	99
20) Methylene Chloride	4.616	84	147382	47.566	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	149045	51.401	ug/l	96
22) Diisopropyl ether	6.025	45	453438	51.423	ug/l	98
23) Vinyl Acetate	5.964	43	1330055	262.697	ug/l	100
24) 1,1-Dichloroethane	5.915	63	270725	51.958	ug/l	99
25) 2-Butanone	6.896	43	208354	285.123	ug/l	98
26) 2,2-Dichloropropane	6.890	77	238523	50.556	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	171895	51.208	ug/l	99
28) Bromochloromethane	7.250	49	114068	52.427	ug/l	99
29) Tetrahydrofuran	7.268	42	136796	280.691	ug/l	99
30) Chloroform	7.427	83	263982	51.416	ug/l	99
31) Cyclohexane	7.701	56	228904	44.566	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	234335	50.290	ug/l	98
36) 1,1-Dichloropropene	7.835	75	198705	50.295	ug/l	99
37) Ethyl Acetate	6.988	43	91969	54.775	ug/l	98
38) Carbon Tetrachloride	7.823	117	204881	49.782	ug/l	99
39) Methylcyclohexane	9.109	83	253073	48.189	ug/l	99
40) Benzene	8.079	78	609847	51.876	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022428.D
Acq On : 27 May 2025 11:56
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 10:39:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	49200m	48.279	ug/l		
42) 1,2-Dichloroethane	8.158	62	162203	52.242	ug/l		99
43) Isopropyl Acetate	8.201	43	199246	54.305	ug/l		99
44) Trichloroethene	8.866	130	151238	52.041	ug/l		98
45) 1,2-Dichloropropane	9.146	63	140797	50.975	ug/l		100
46) Dibromomethane	9.231	93	81139	52.586	ug/l		99
47) Bromodichloromethane	9.426	83	205314	51.745	ug/l		99
48) Methyl methacrylate	9.225	41	95846	56.276	ug/l		97
49) 1,4-Dioxane	9.244	88	17918	1051.366	ug/l		94
51) 4-Methyl-2-Pentanone	10.000	43	519609	287.032	ug/l		100
52) Toluene	10.170	92	387936	52.832	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	199925	54.094	ug/l		94
54) cis-1,3-Dichloropropene	9.859	75	228509	52.618	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	103722	53.168	ug/l		99
56) Ethyl methacrylate	10.438	69	156757	55.994	ug/l		100
57) 1,3-Dichloropropane	10.719	76	180948	52.634	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	362054	259.493	ug/l		100
59) 2-Hexanone	10.762	43	347563	292.964	ug/l		99
60) Dibromochloromethane	10.914	129	133735	53.666	ug/l		99
61) 1,2-Dibromoethane	11.018	107	96584	54.130	ug/l		98
64) Tetrachloroethene	10.646	164	153515	48.564	ug/l		95
65) Chlorobenzene	11.444	112	409198	51.703	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	137345	51.219	ug/l		100
67) Ethyl Benzene	11.524	91	749047	50.971	ug/l		98
68) m/p-Xylenes	11.633	106	571164	102.513	ug/l		100
69) o-Xylene	11.957	106	268131	51.205	ug/l		100
70) Styrene	11.969	104	456865	52.397	ug/l		100
71) Bromoform	12.133	173	73628	52.420	ug/l	#	98
73) Isopropylbenzene	12.255	105	698311	50.060	ug/l		100
74) N-amyl acetate	12.072	43	182818	53.559	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	117150	53.303	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	93352m	52.582	ug/l		
77) Bromobenzene	12.536	156	151539	50.481	ug/l		98
78) n-propylbenzene	12.597	91	853326	50.973	ug/l		99
79) 2-Chlorotoluene	12.682	91	455944	50.314	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	559964	51.376	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	40088	51.064	ug/l		98
82) 4-Chlorotoluene	12.780	91	475462	50.944	ug/l		100
83) tert-Butylbenzene	12.999	119	505382	51.321	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	562945	51.325	ug/l		100
85) sec-Butylbenzene	13.176	105	755958	51.763	ug/l		99
86) p-Isopropyltoluene	13.292	119	638231	52.334	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	310435	51.396	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	298140	51.622	ug/l		100
89) n-Butylbenzene	13.615	91	601455	52.600	ug/l		100
90) Hexachloroethane	13.883	117	125908	51.881	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	255789	50.701	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	17817	52.462	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	146574	52.407	ug/l		98
94) Hexachlorobutadiene	15.023	225	76816	52.335	ug/l		97
95) Naphthalene	15.145	128	283477	54.826	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	123635	53.900	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022428.D
Acq On : 27 May 2025 11:56
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 10:39:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 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

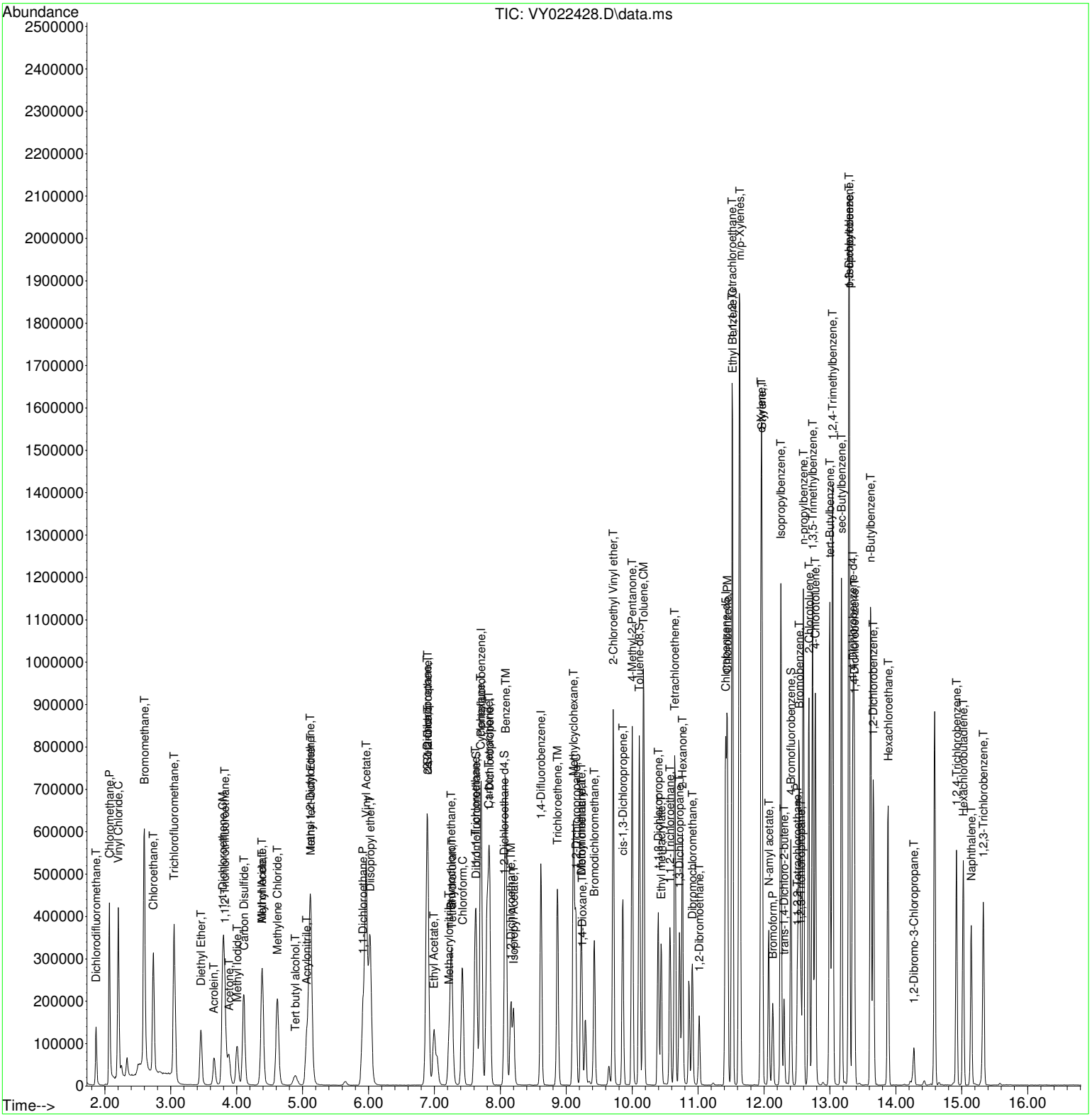
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022428.D
Acq On : 27 May 2025 11:56
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

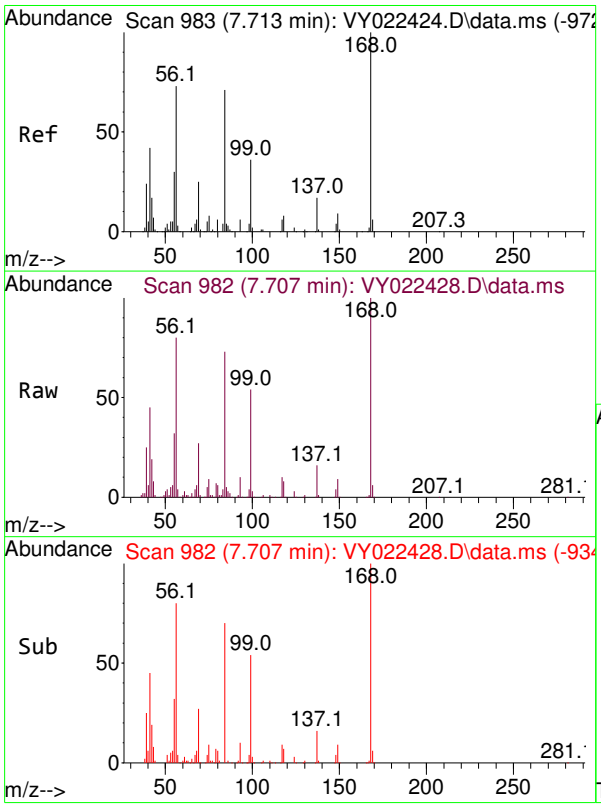
Quant Time: May 28 10:39:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

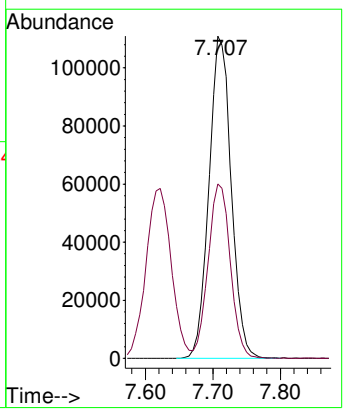
Tgt Ion:168 Resp: 25350

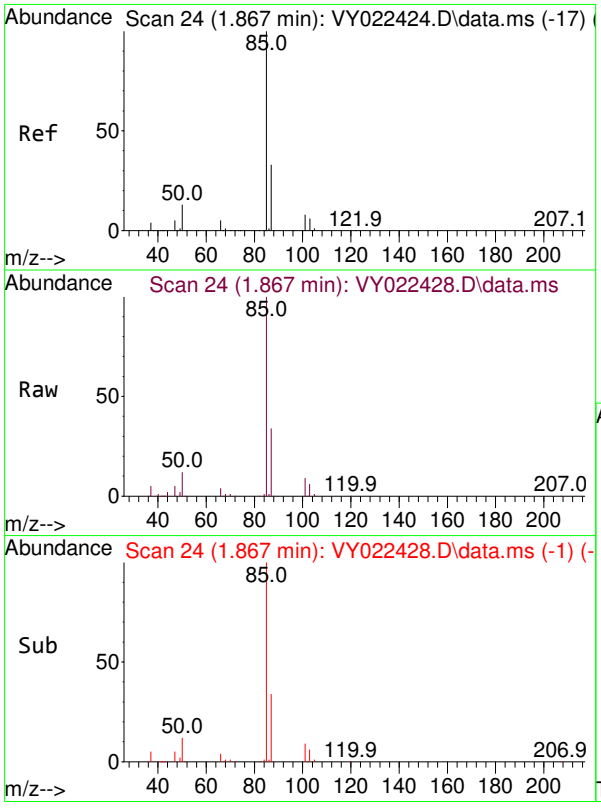
Ion	Ratio	Lower	Upper
168	100		
99	54.1	44.7	67.1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

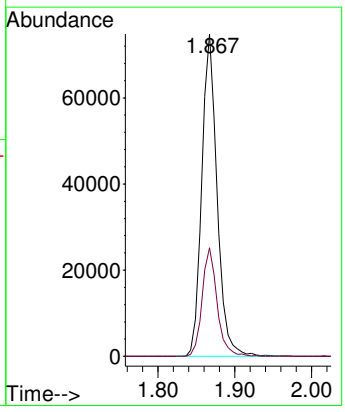


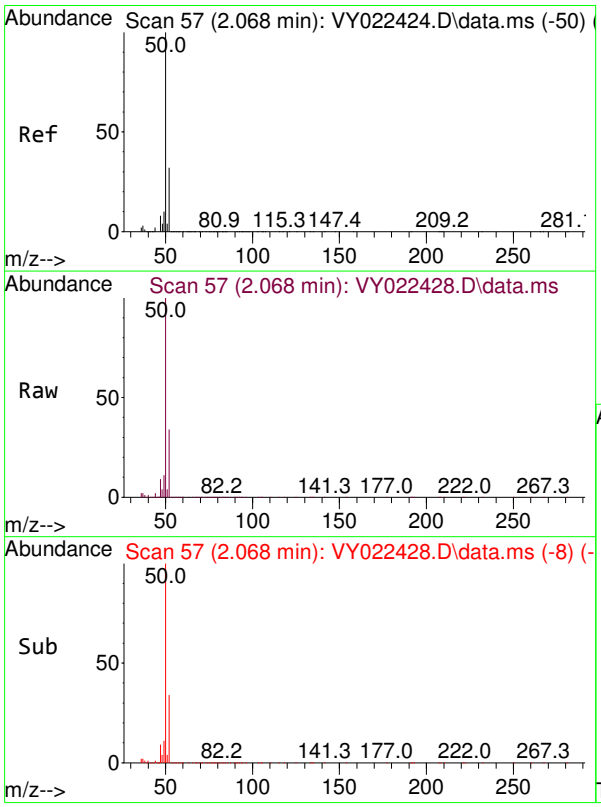


#2
Dichlorodifluoromethane
Concen: 42.867 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 85 Resp: 103680

Ion	Ratio	Lower	Upper
85	100		
87	33.7	16.4	49.2





#3
Chloromethane
Concen: 57.762 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

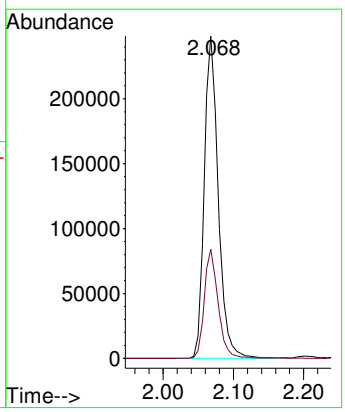
Tgt Ion: 50 Resp: 34364

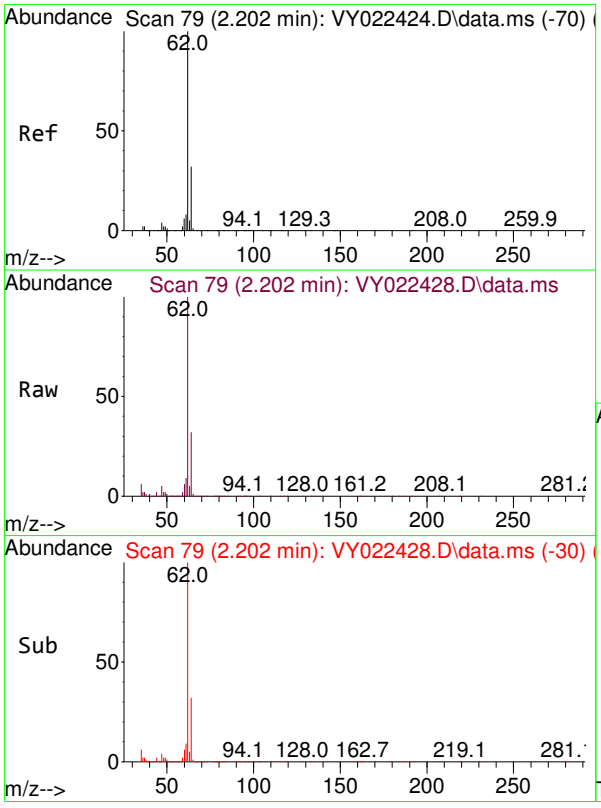
Ion	Ratio	Lower	Upper
50	100		
52	33.9	25.5	38.3

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

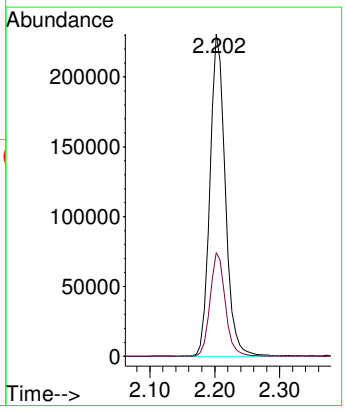


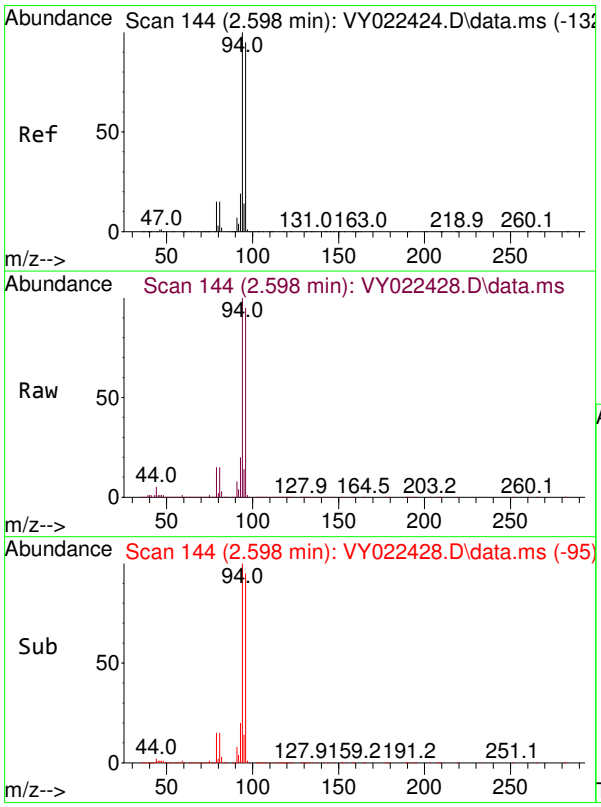


#4
Vinyl Chloride
Concen: 52.322 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 62 Resp: 378150

Ion	Ratio	Lower	Upper
62	100		
64	32.2	26.0	39.0





#5
Bromomethane
Concen: 57.634 ug/l
RT: 2.598 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

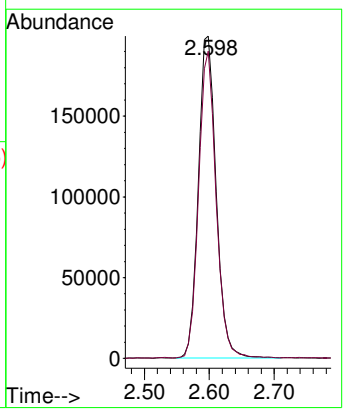
Tgt Ion: 94 Resp: 37853

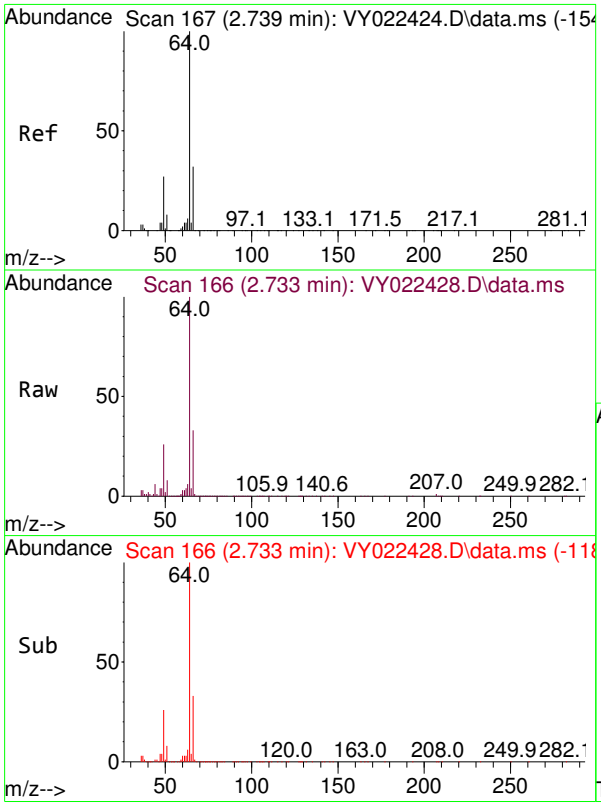
Ion	Ratio	Lower	Upper
94	100		
96	95.2	76.0	114.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

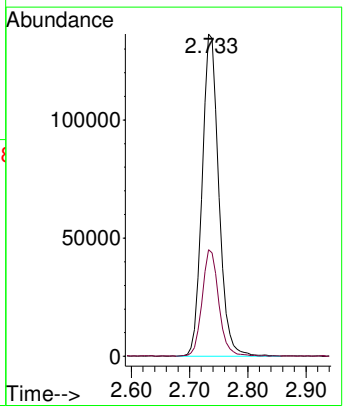


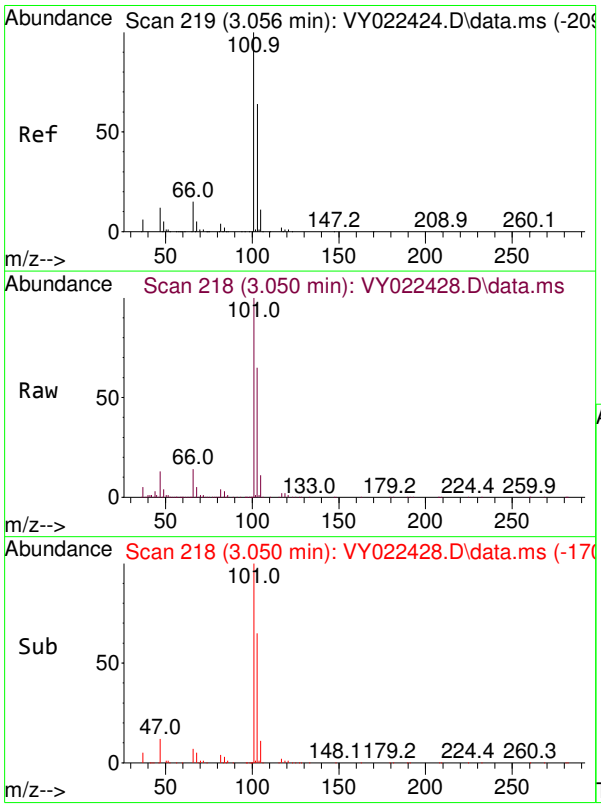


#6
Chloroethane
Concen: 57.677 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 64 Resp: 272398

Ion	Ratio	Lower	Upper
64	100		
66	33.1	25.9	38.9





#7
Trichlorofluoromethane
Concen: 55.933 ug/l
RT: 3.050 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:101 Resp: 34107

Ion	Ratio	Lower	Upper
101	100		
103	65.4	50.9	76.3

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

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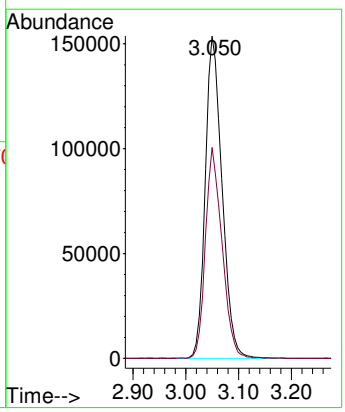
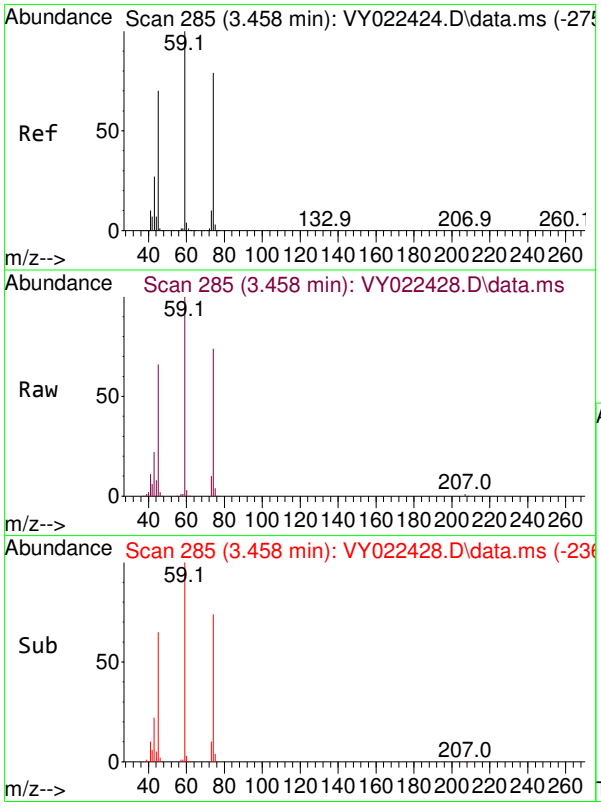
Supervised By :Mahesh Dadoda 05/28/2025

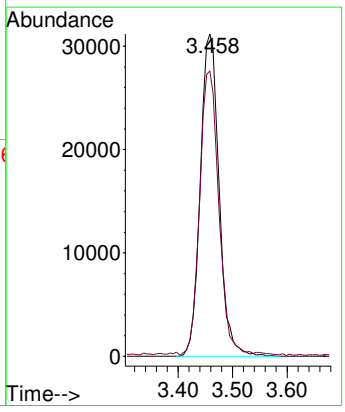


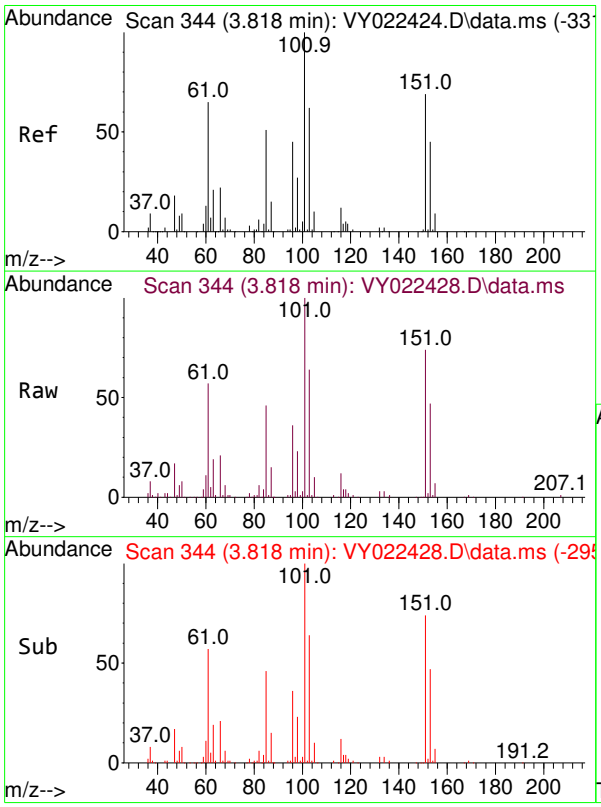


#8
Diethyl Ether
Concen: 52.801 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 74 Resp: 74240

Ion	Ratio	Lower	Upper
74	100		
45	90.9	44.9	134.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.001 ug/l
RT: 3.818 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:101 Resp: 12574

Ion	Ratio	Lower	Upper
101	100		
85	48.1	39.2	58.8
151	73.8	58.8	88.2

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

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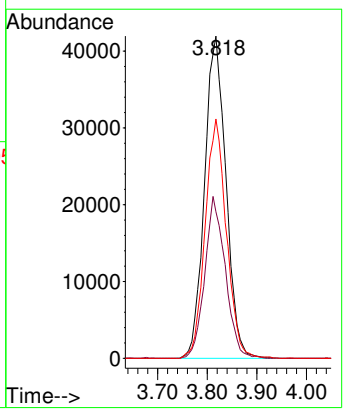
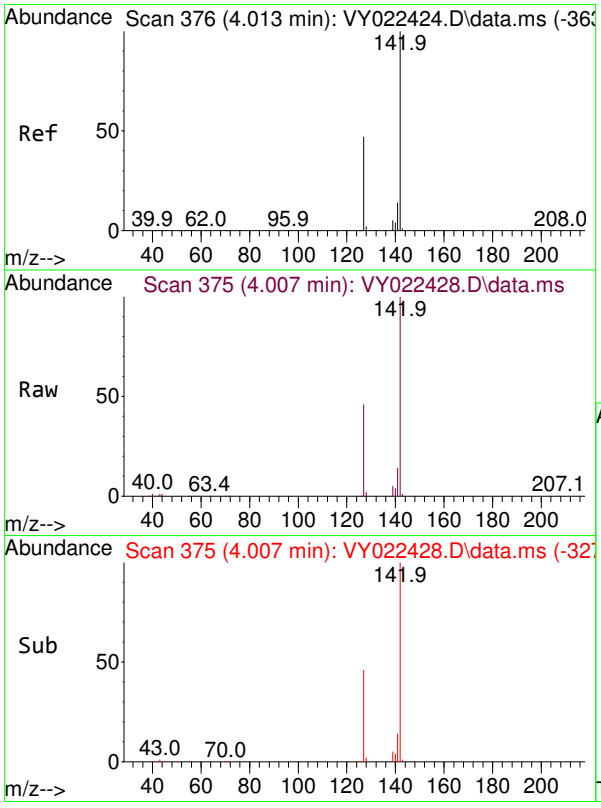
Supervised By :Mahesh Dadoda 05/28/2025

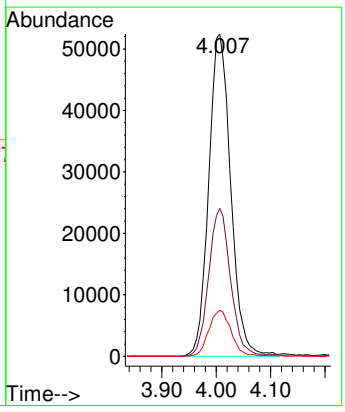


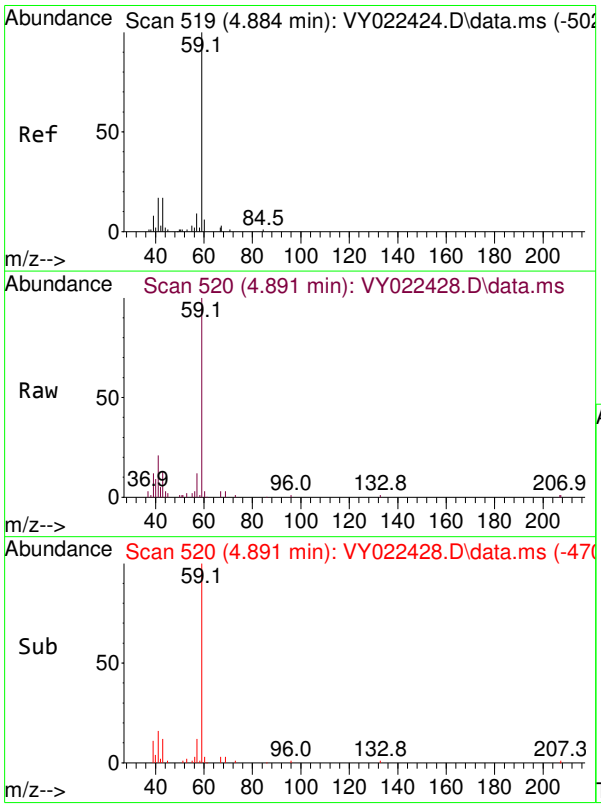


#10
Methyl Iodide
Concen: 48.805 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:142 Resp: 147302

Ion	Ratio	Lower	Upper
142	100		
127	45.5	36.2	54.4
141	14.6	11.6	17.4





#11
Tert butyl alcohol
Concen: 286.443 ug/l
RT: 4.891 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 59 Resp: 5391

Ion	Ratio	Lower	Upper
59	100		
57	10.6	9.1	13.7

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

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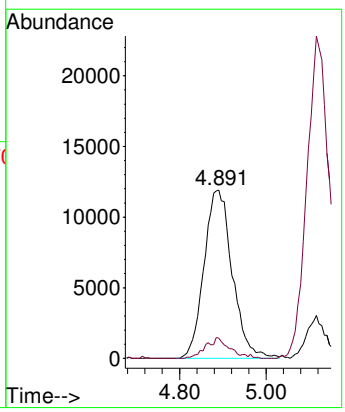
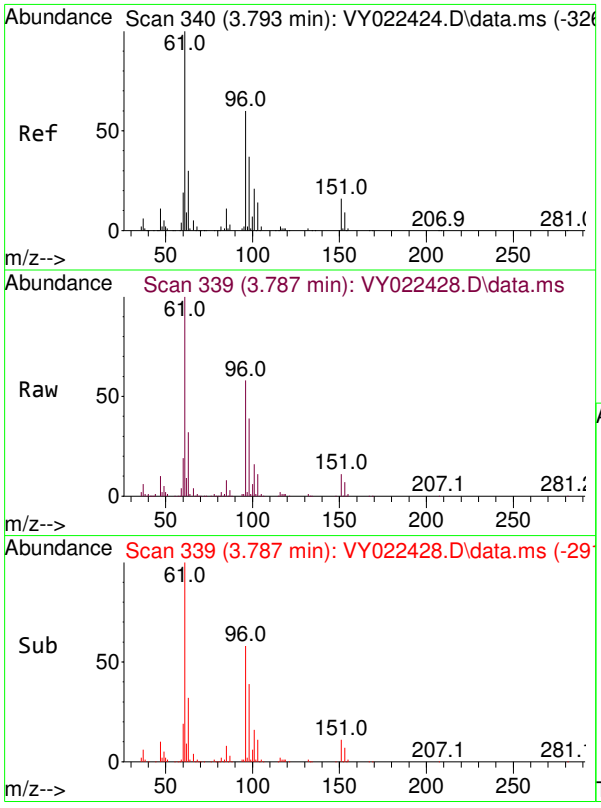
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

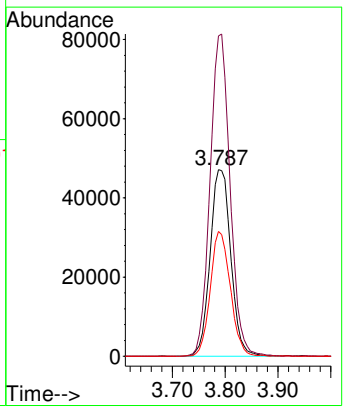


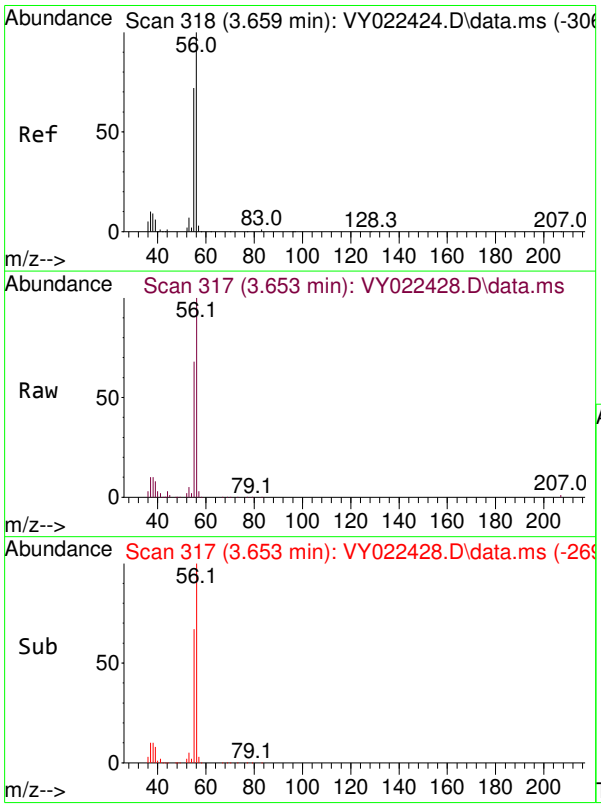


#12
1,1-Dichloroethene
Concen: 48.624 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 96 Resp: 129146

Ion	Ratio	Lower	Upper
96	100		
61	171.6	134.1	201.1
98	66.8	50.2	75.2





#13
Acrolein
Concen: 266.723 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 56 Resp: 7522

Ion	Ratio	Lower	Upper
56	100		
55	70.6	56.5	84.7

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

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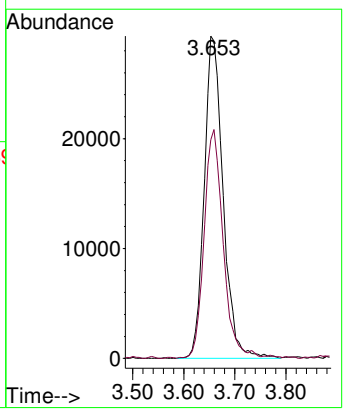
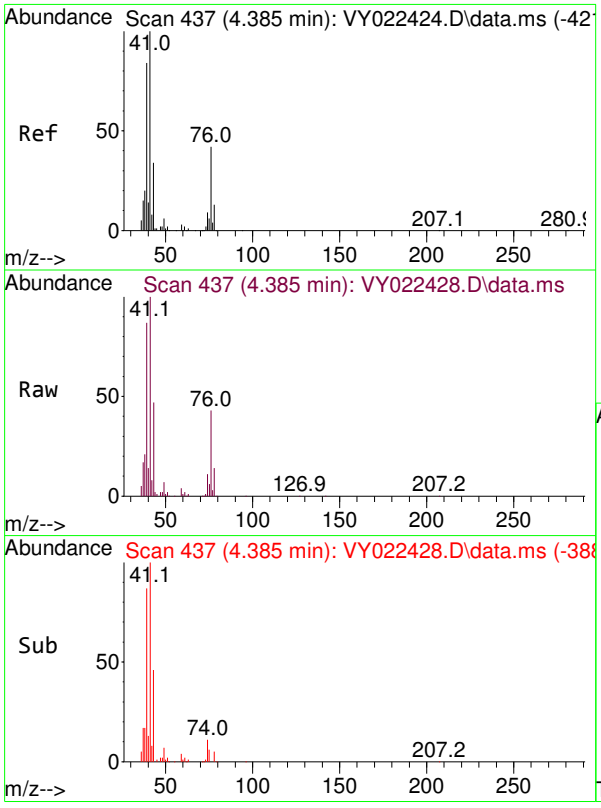
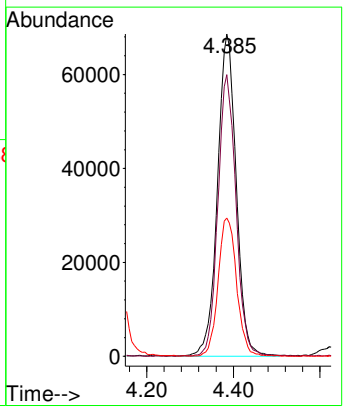


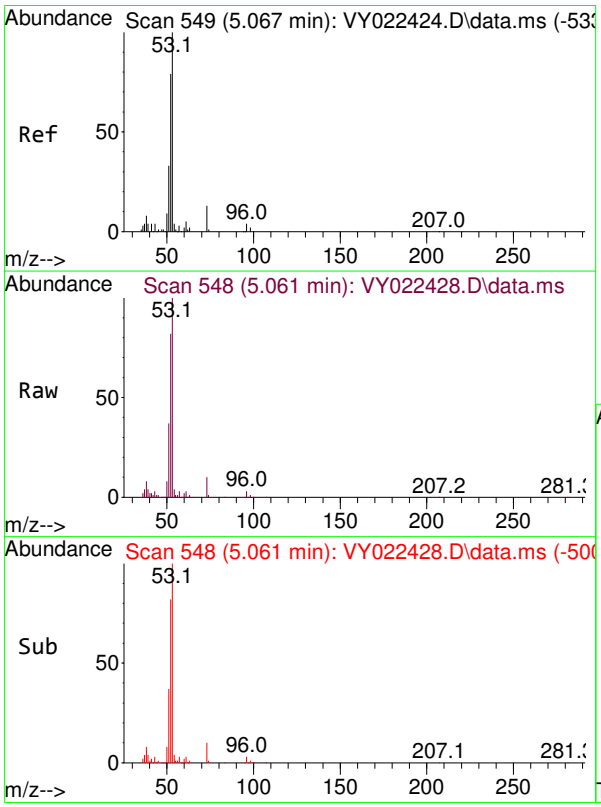


#14
Allyl chloride
Concen: 51.736 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 41 Resp: 206704

Ion	Ratio	Lower	Upper
41	100		
39	84.3	66.6	100.0
76	42.4	33.7	50.5





#15
Acrylonitrile
Concen: 277.887 ug/l
RT: 5.061 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 53 Resp: 15749

Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.1	97.7
51	37.7	30.0	45.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

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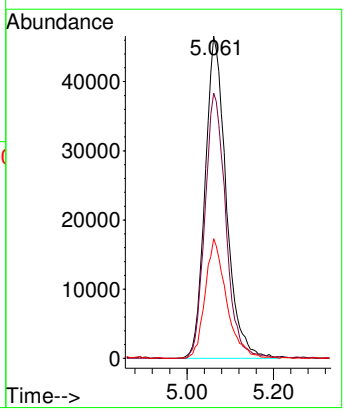
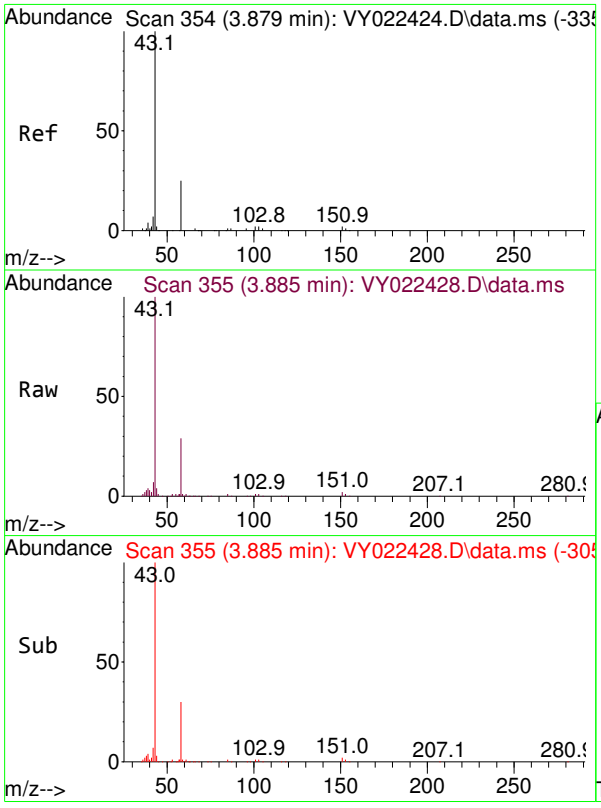
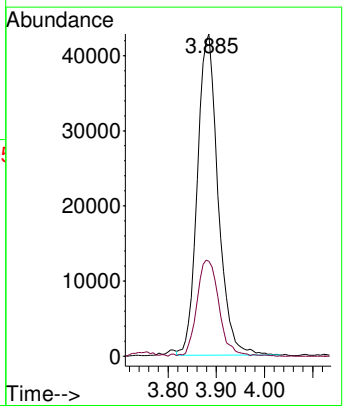


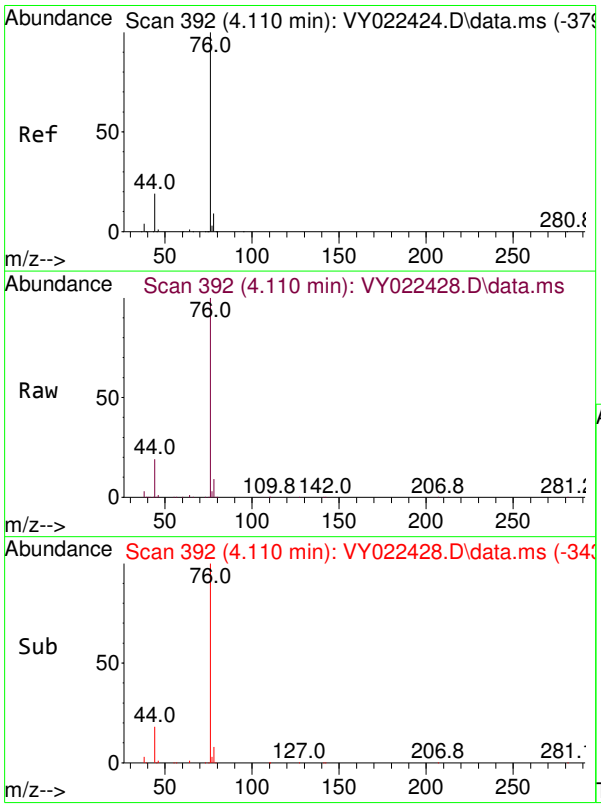


#16
Acetone
Concen: 290.164 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 43 Resp: 127318

Ion	Ratio	Lower	Upper
43	100		
58	29.4	20.6	30.8





#17
Carbon Disulfide
Concen: 49.820 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 76 Resp: 42227

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
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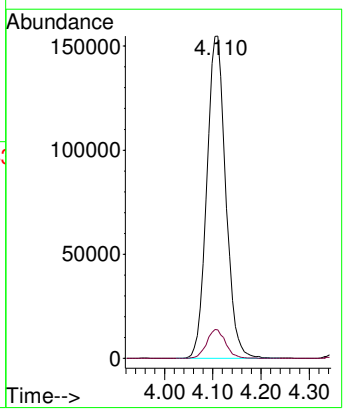
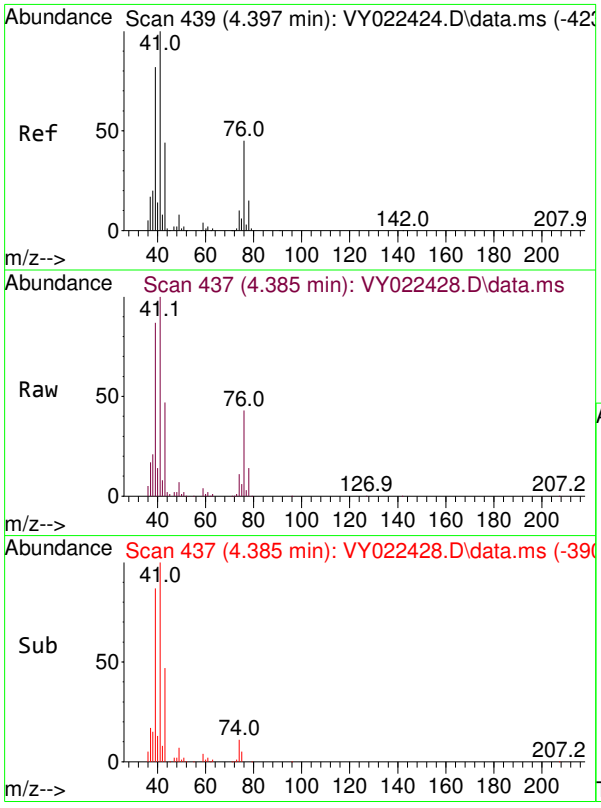
Supervised By :Mahesh Dadoda 05/28/2025

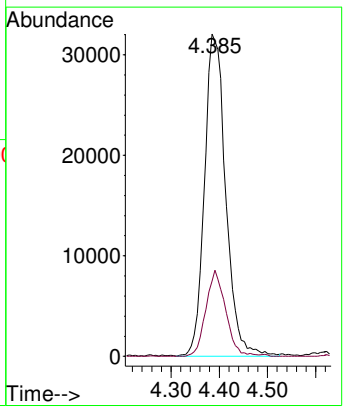


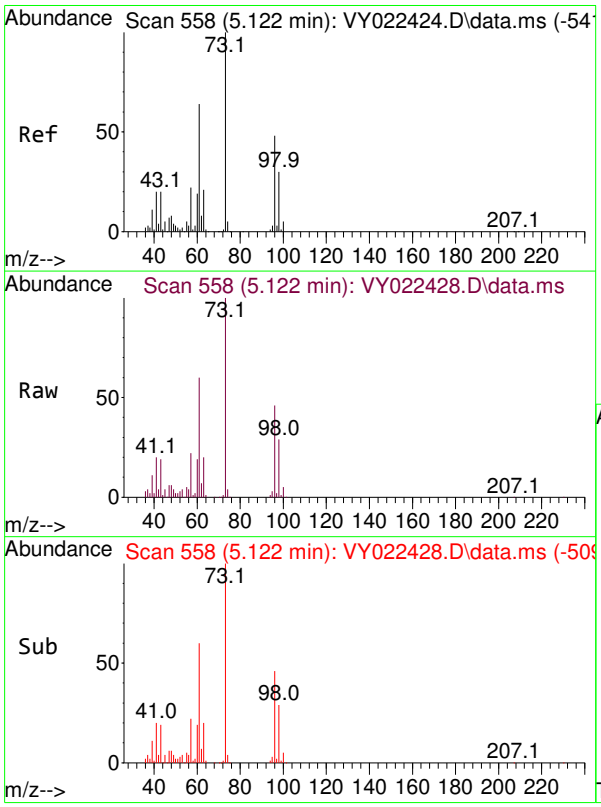


#18
Methyl Acetate
Concen: 59.833 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.012 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 43 Resp: 98344

Ion	Ratio	Lower	Upper
43	100		
74	24.8	21.2	31.8





#19
Methyl tert-butyl Ether
Concen: 53.423 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 73 Resp: 37670

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.7	26.5

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

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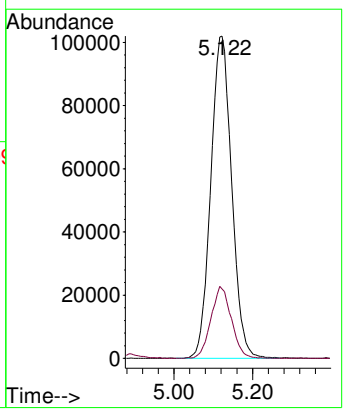
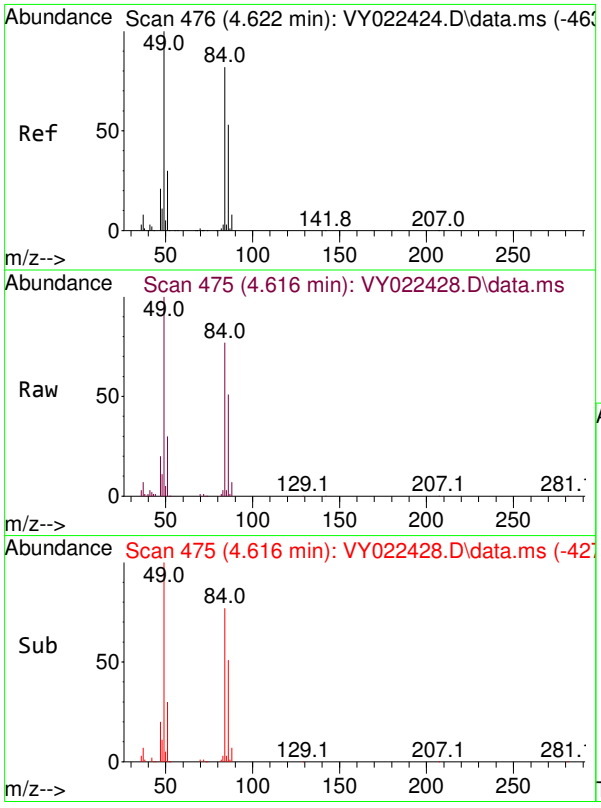
Supervised By :Mahesh Dadoda 05/28/2025

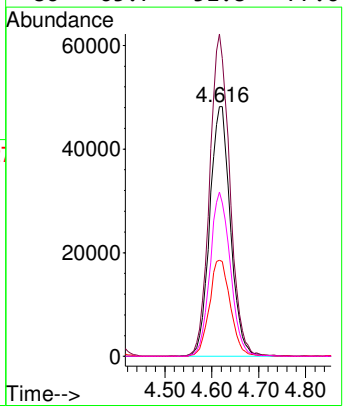


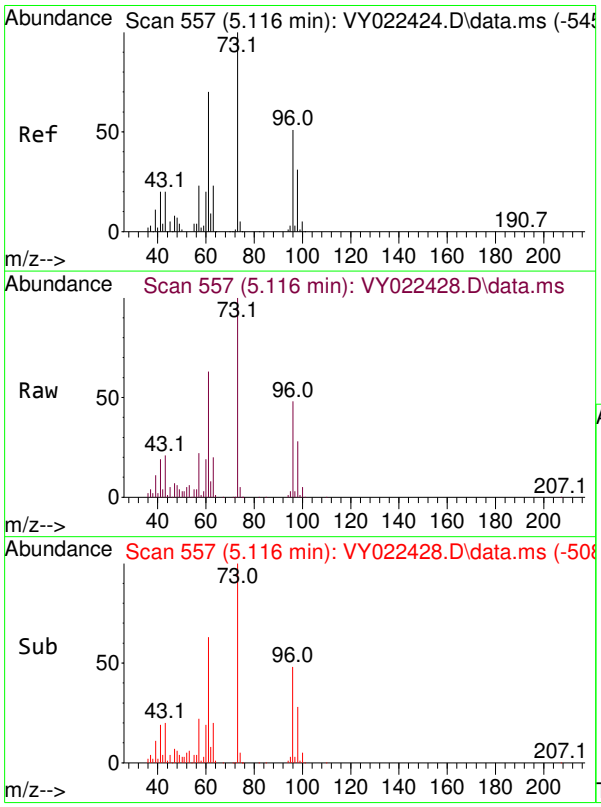


#20
Methylene Chloride
Concen: 47.566 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 84 Resp: 147382

Ion	Ratio	Lower	Upper
84	100		
49	128.9	97.8	146.8
51	38.5	29.5	44.3
86	65.7	51.8	77.6





#21
trans-1,2-Dichloroethene
Concen: 51.401 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 96 Resp: 14904

Ion	Ratio	Lower	Upper
96	100		
61	132.4	110.4	165.6
98	59.0	48.6	73.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
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Reviewed By :Amit Patel 05/28/2025
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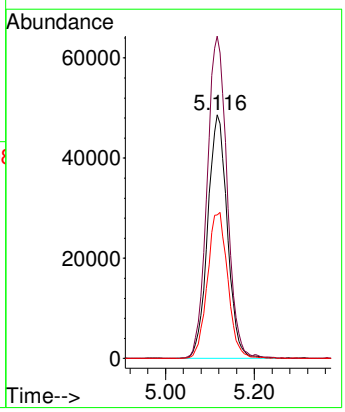
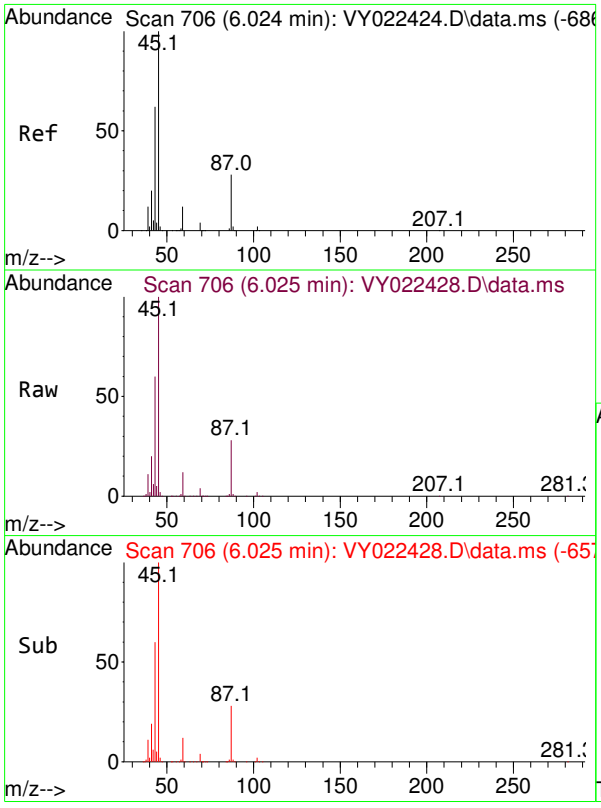
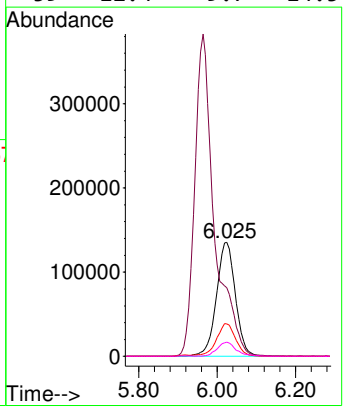


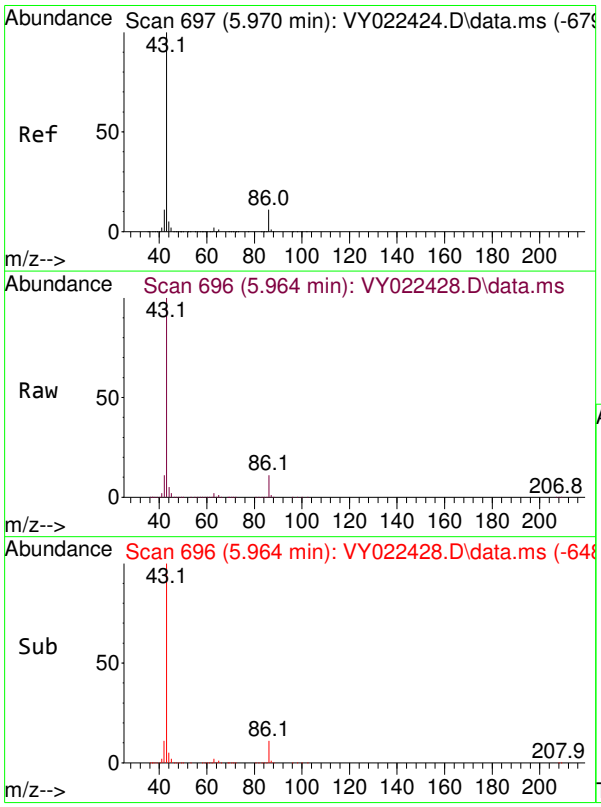


#22
Diisopropyl ether
Concen: 51.423 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 45 Resp: 453438

Ion	Ratio	Lower	Upper
45	100		
43	59.8	49.8	74.8
87	28.4	23.0	34.6
59	12.4	9.7	14.5





#23
Vinyl Acetate
Concen: 262.697 ug/l
RT: 5.964 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 43 Resp: 133005

Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.8	13.2

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
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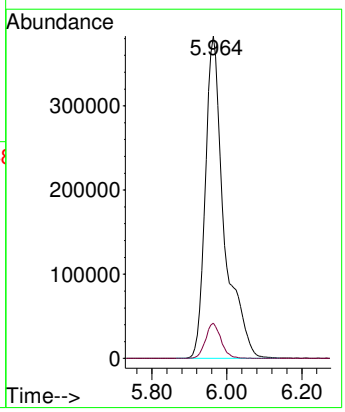
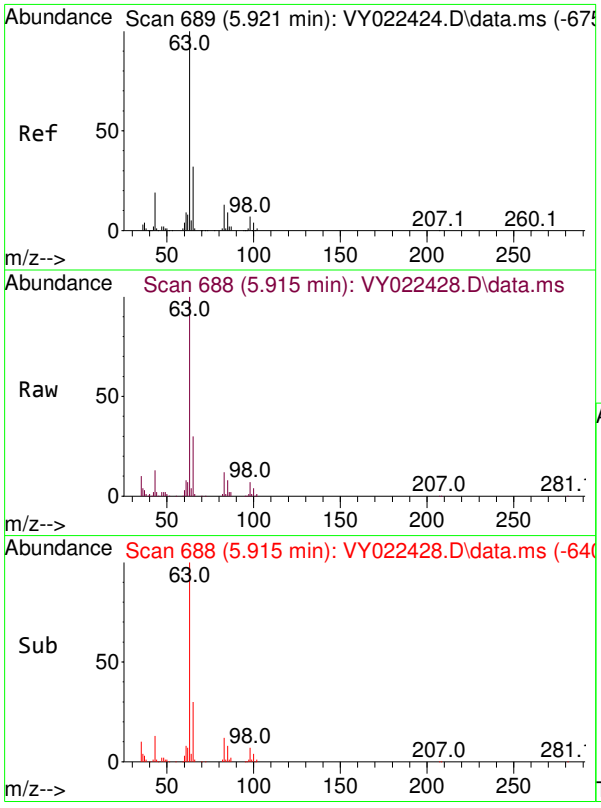
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

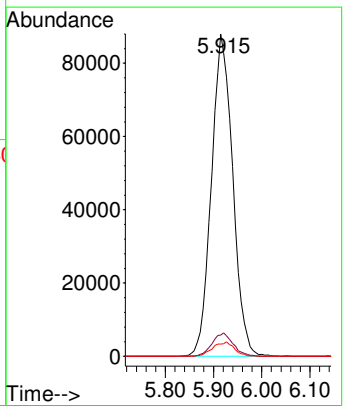


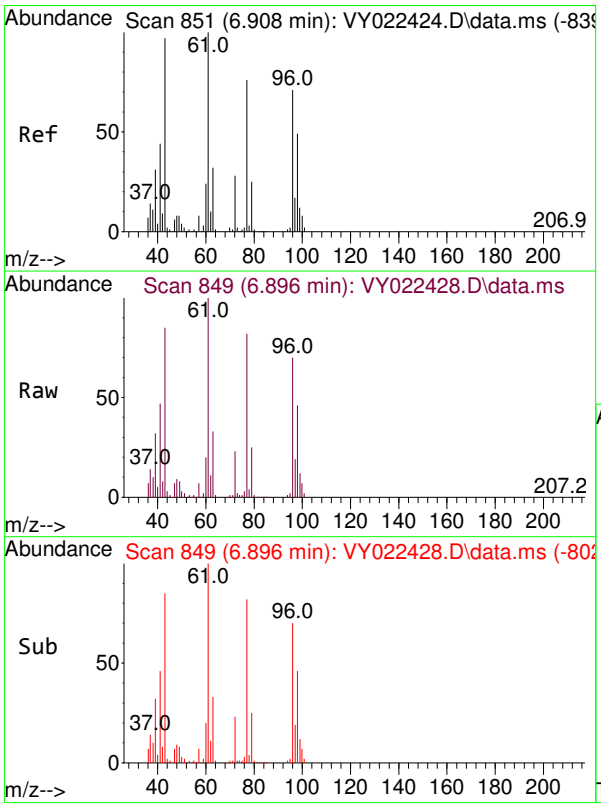


#24
1,1-Dichloroethane
Concen: 51.958 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 63 Resp: 270725

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.5	10.5
100	3.8	2.1	6.5





#25
2-Butanone
Concen: 285.123 ug/l
RT: 6.896 min Scan# 8
Delta R.T. -0.012 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 43 Resp: 20835

Ion	Ratio	Lower	Upper
43	100		
72	27.5	22.8	34.2

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
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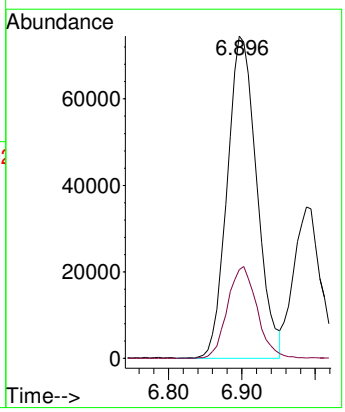
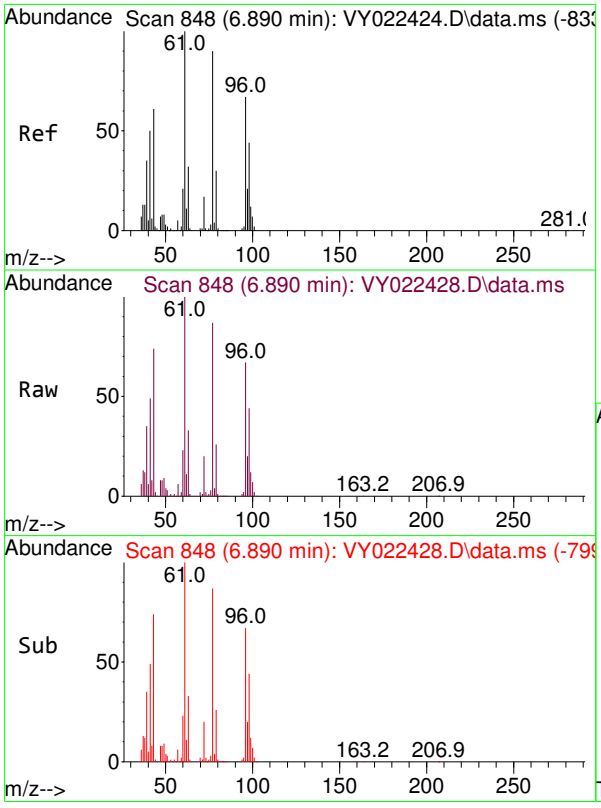
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

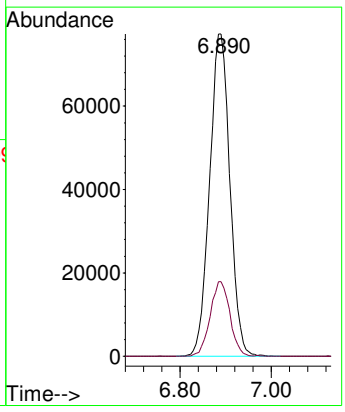


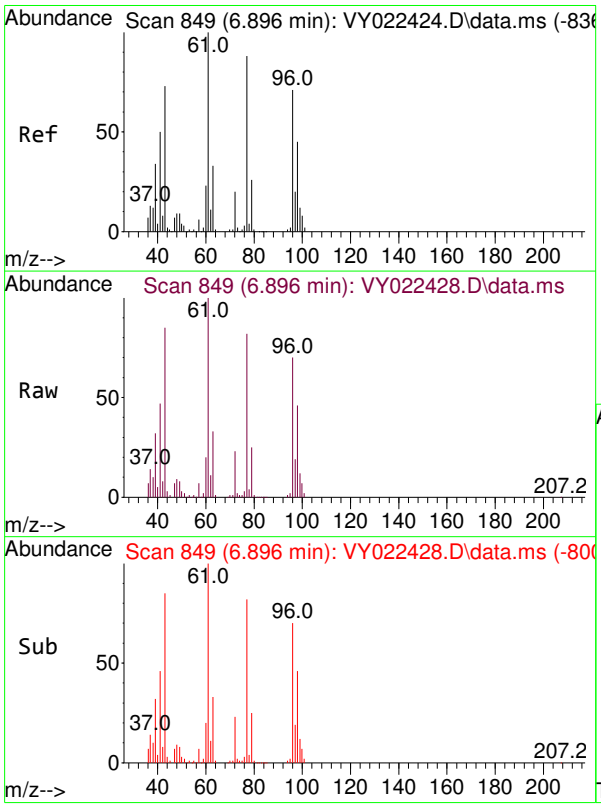


#26
2,2-Dichloropropane
Concen: 50.556 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 77 Resp: 238523

Ion	Ratio	Lower	Upper
77	100		
97	22.6	11.6	34.7

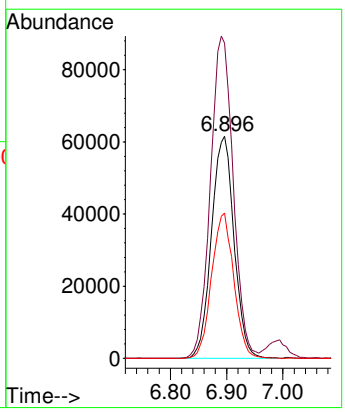




#27
cis-1,2-Dichloroethene
Concen: 51.208 ug/l
RT: 6.896 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 96 Resp: 17189

Ion	Ratio	Lower	Upper
96	100		
61	146.7	0.0	292.0
98	64.2	0.0	131.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
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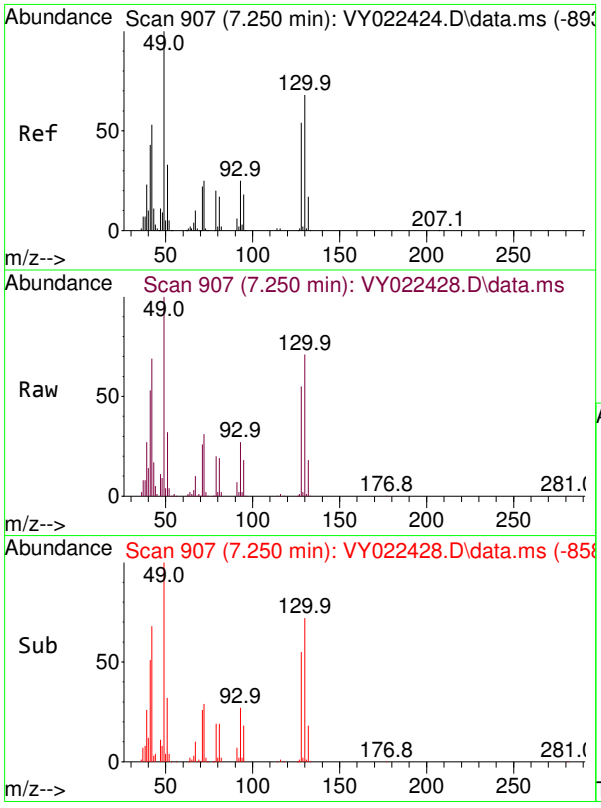
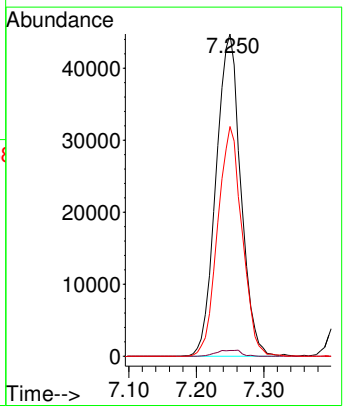
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

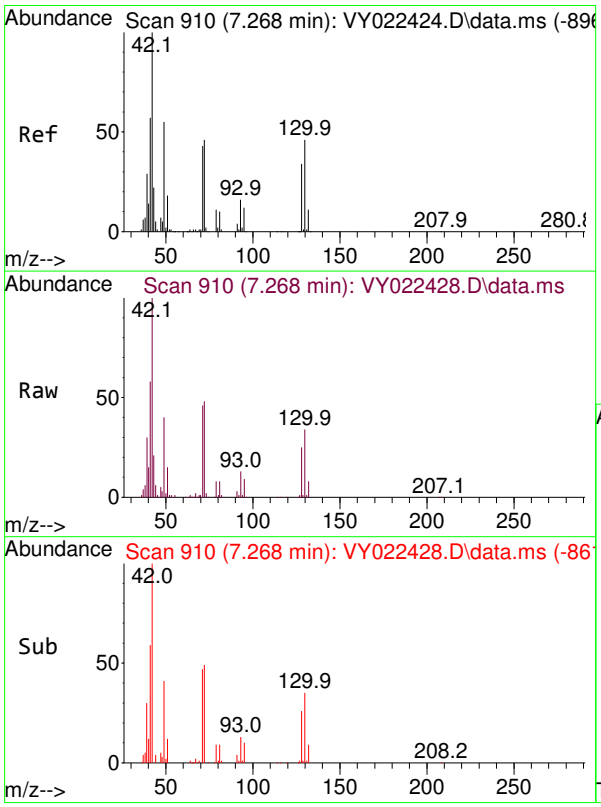


#28
Bromochloromethane
Concen: 52.427 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 49 Resp: 114068

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	70.5	56.9	85.3





#29
Tetrahydrofuran
Concen: 280.691 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 42 Resp: 13679

Ion	Ratio	Lower	Upper
42	100		
72	46.3	37.7	56.5
71	43.0	34.7	52.1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
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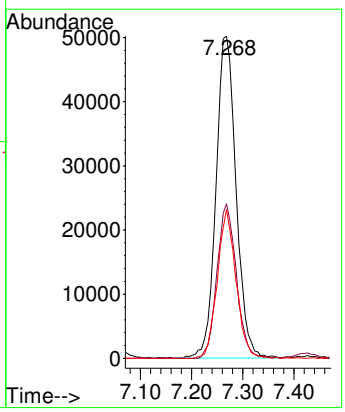
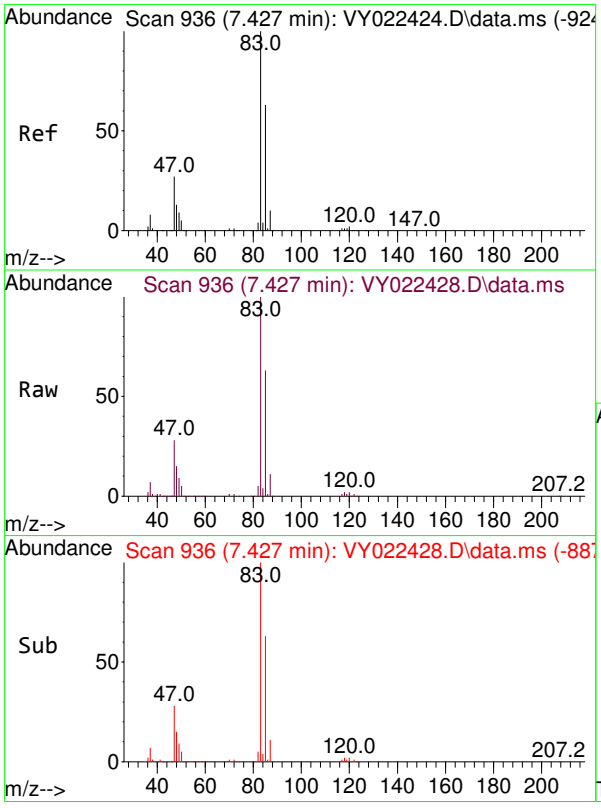
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

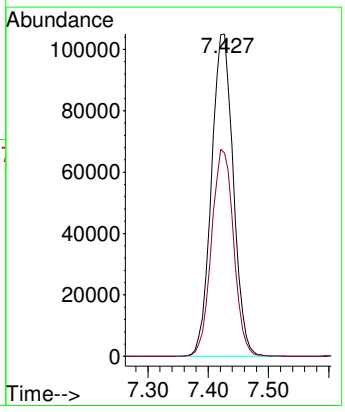


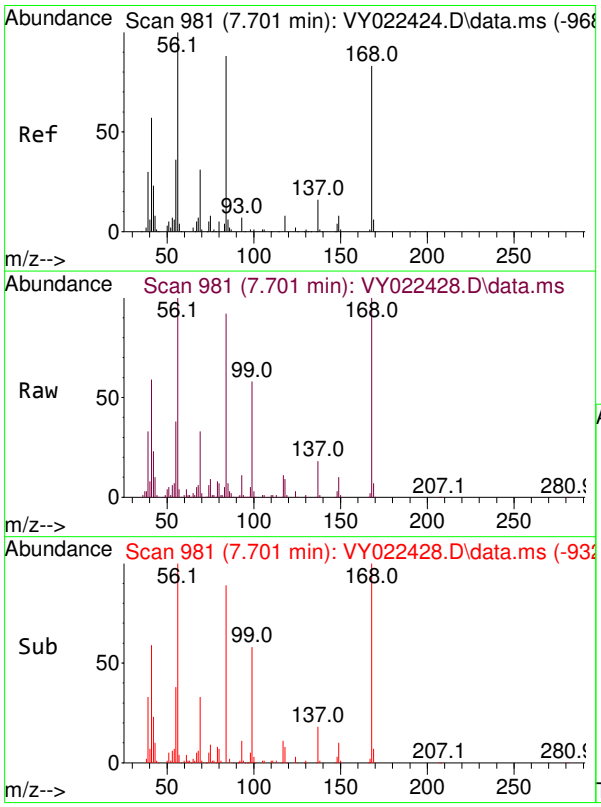


#30
Chloroform
Concen: 51.416 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 83 Resp: 263982

Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.1	75.1





#31
Cyclohexane
Concen: 44.566 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 56 Resp: 22890

Ion	Ratio	Lower	Upper
56	100		
69	32.8	24.6	36.8
84	89.3	70.4	105.6

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

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Reviewed By :Amit Patel 05/28/2025
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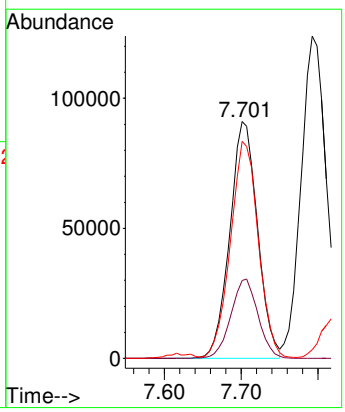
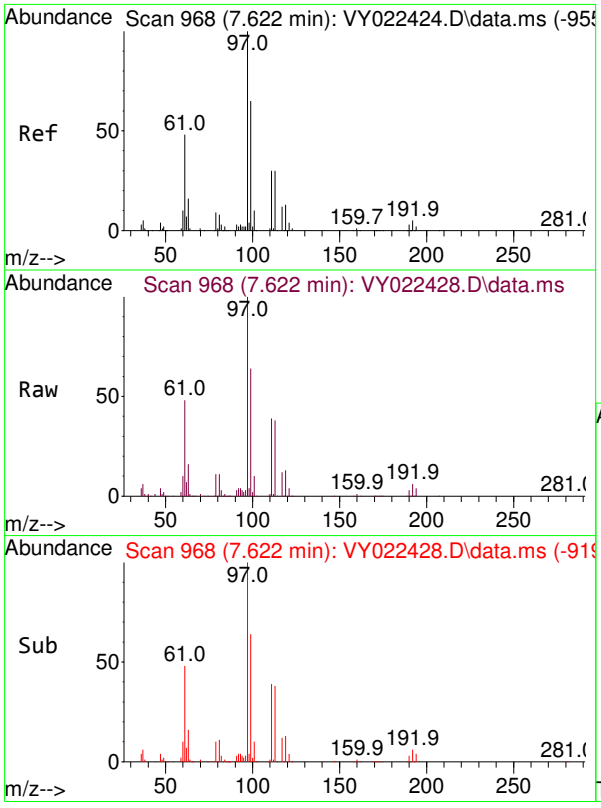
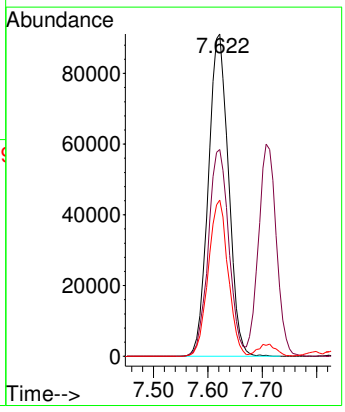


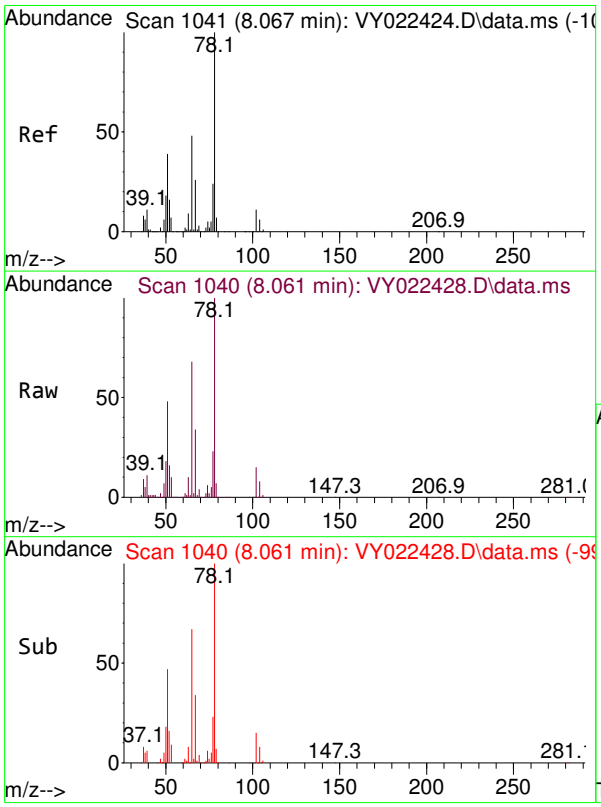


#32
1,1,1-Trichloroethane
Concen: 50.290 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 97 Resp: 234335

Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.3	76.9
61	47.8	37.3	55.9





#33
1,2-Dichloroethane-d4
Concen: 50.905 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 65 Resp: 13592

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	104.4

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

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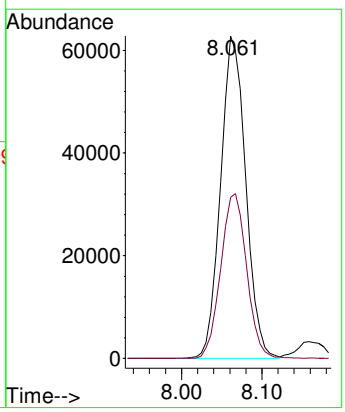
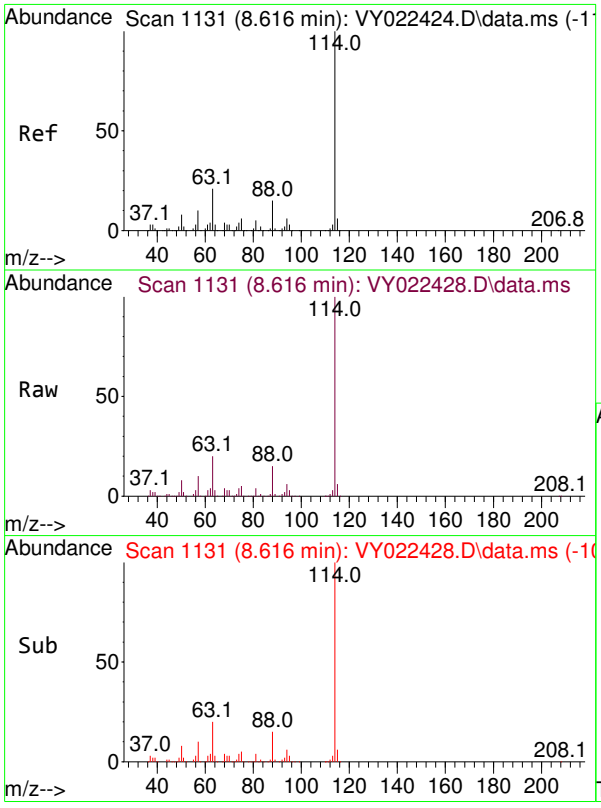
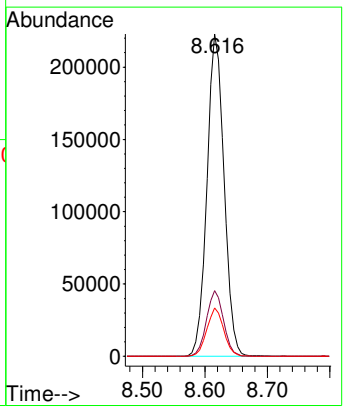


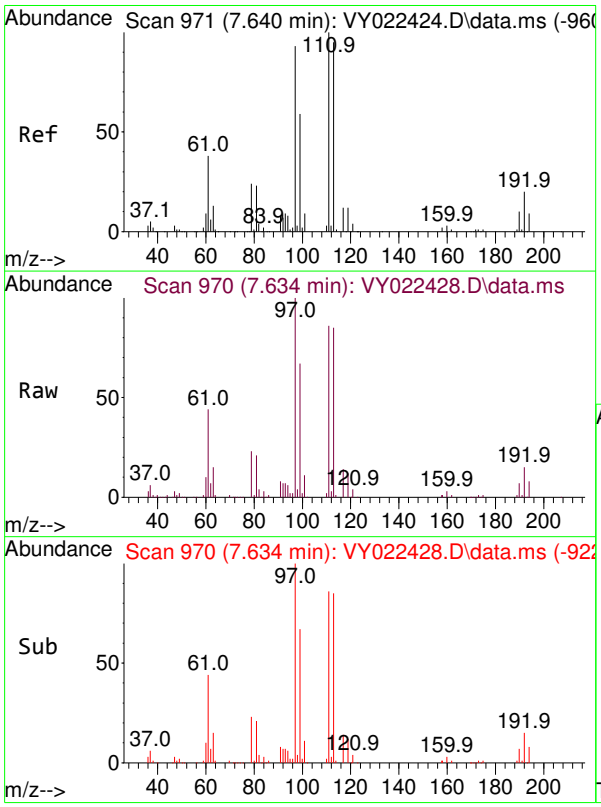


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:114 Resp: 425137

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	42.6
88	15.0	0.0	29.4





#35
Dibromofluoromethane
Concen: 50.924 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:113 Resp: 12678

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.4	123.6
192	18.1	15.2	22.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
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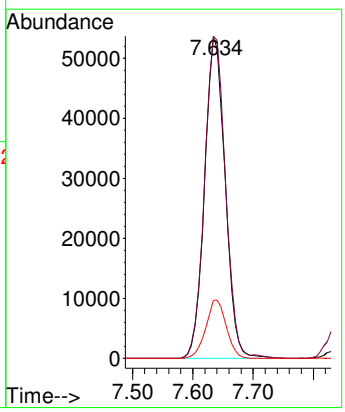
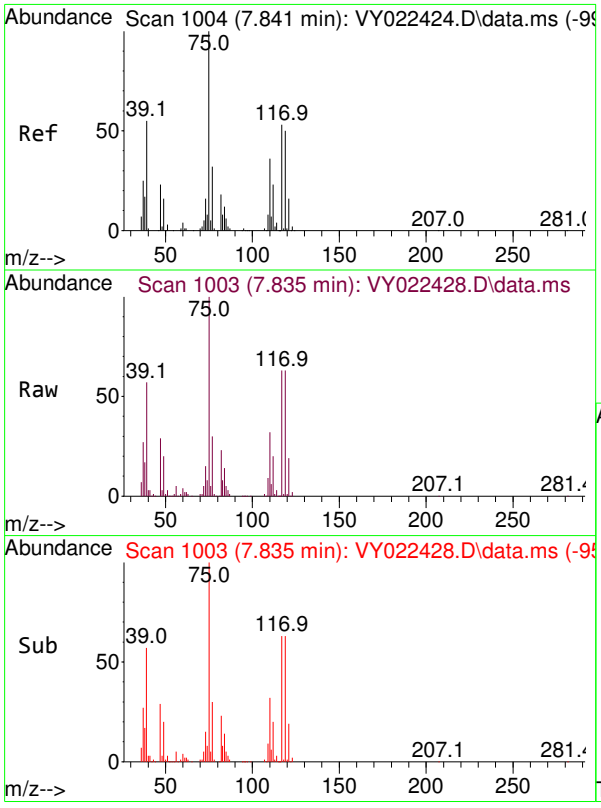
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

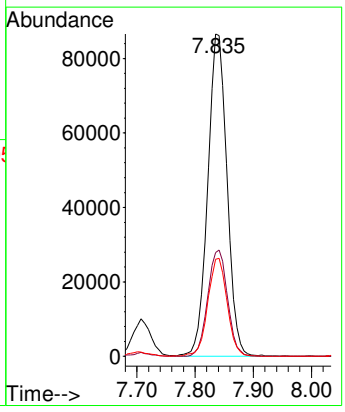


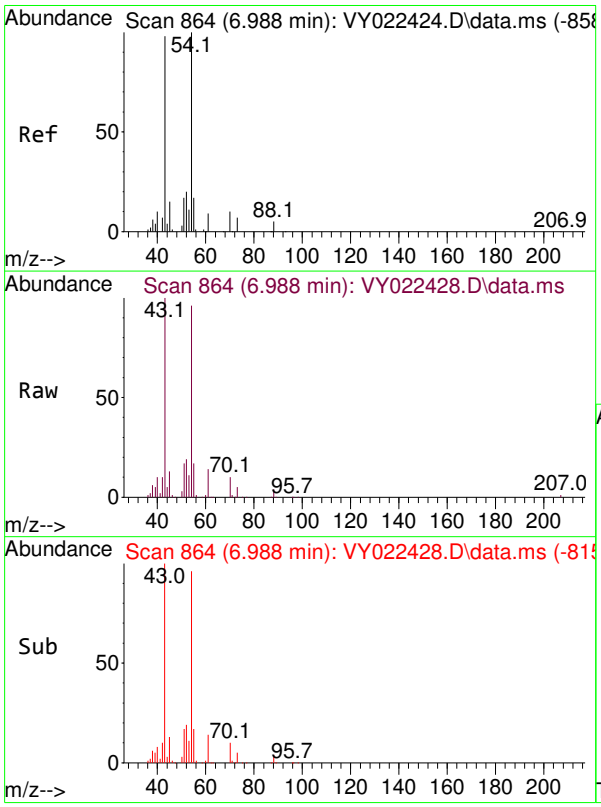


#36
1,1-Dichloropropene
Concen: 50.295 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 75 Resp: 198705

Ion	Ratio	Lower	Upper
75	100		
110	33.8	17.1	51.2
77	30.6	25.1	37.7





#37
Ethyl Acetate
Concen: 54.775 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Tgt Ion: 43 Resp: 9196

Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.7	17.5
70	9.8	7.8	11.6

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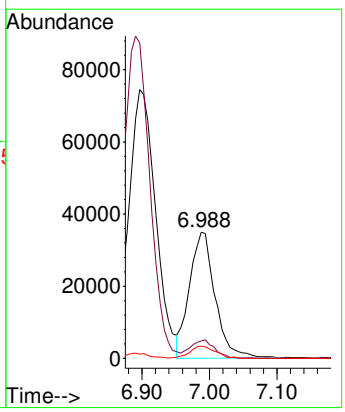
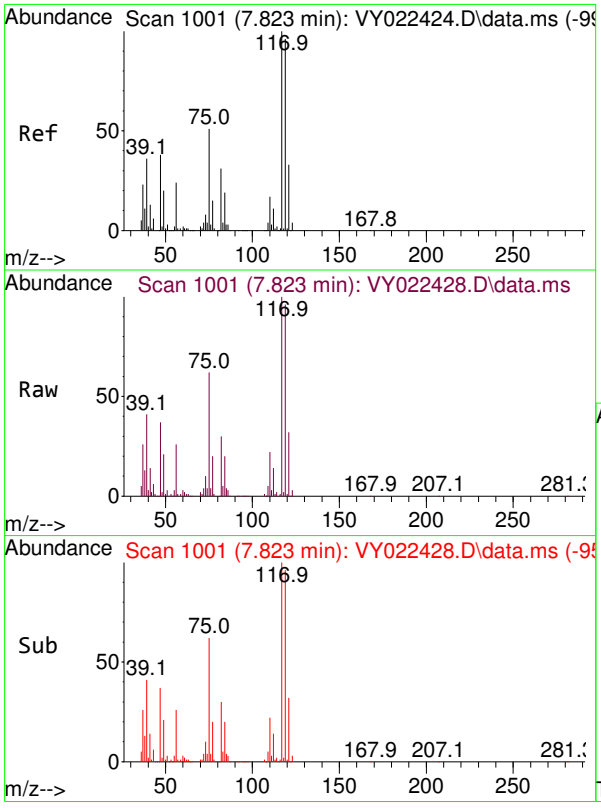
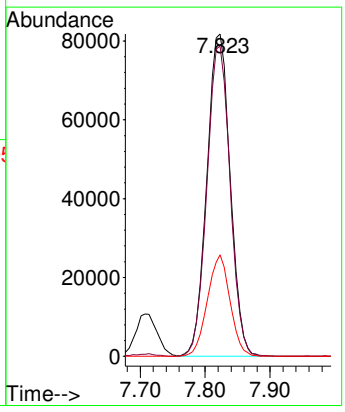


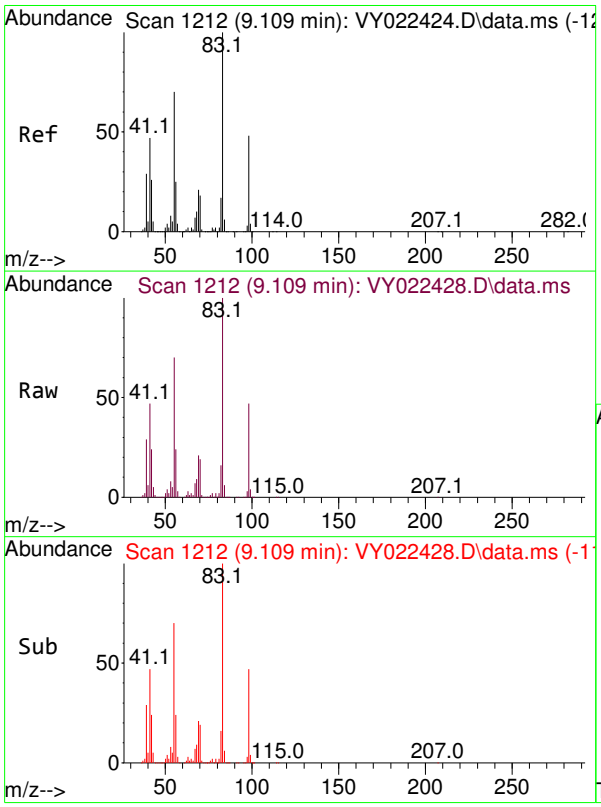


#38
Carbon Tetrachloride
Concen: 49.782 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:117 Resp: 204881

Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.3	114.5
121	31.5	26.1	39.1





#39
Methylcyclohexane
Concen: 48.189 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 83 Resp: 25307

Ion	Ratio	Lower	Upper
83	100		
55	69.7	56.2	84.2
98	47.1	38.4	57.6

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
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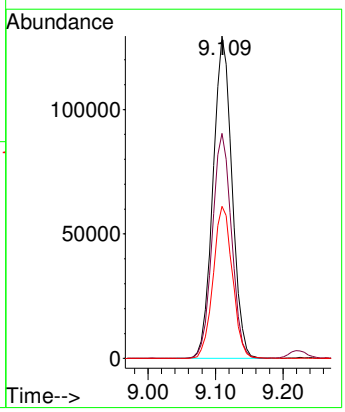
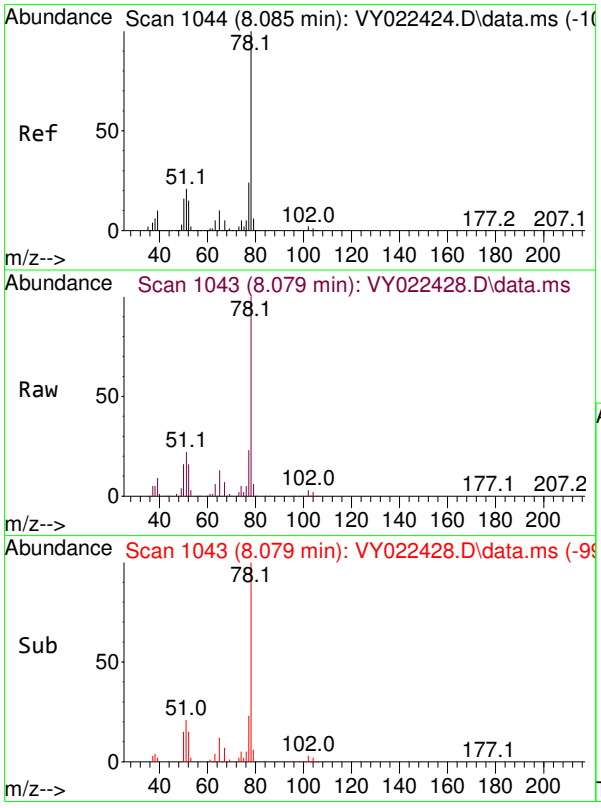
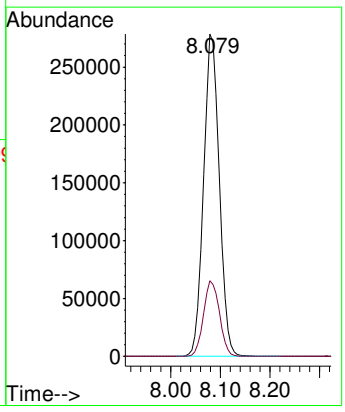


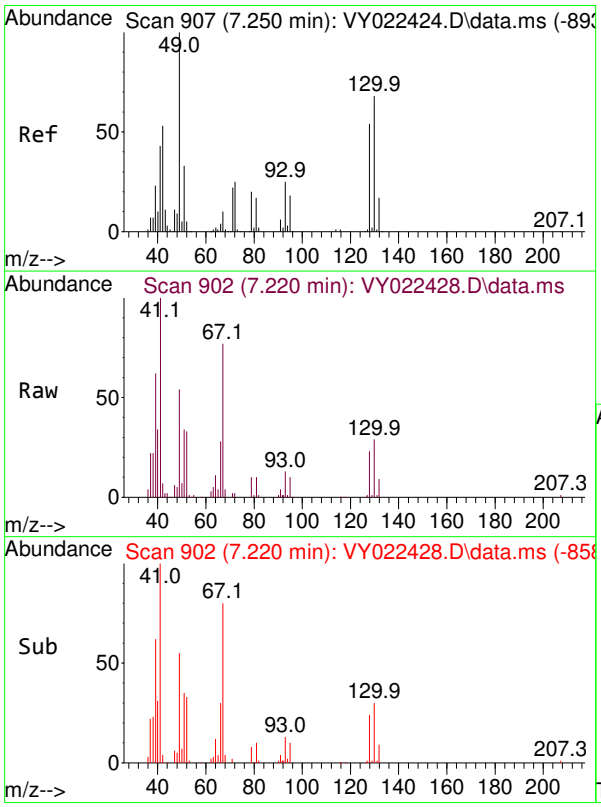


#40
Benzene
Concen: 51.876 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 78 Resp: 609847

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.4	29.2

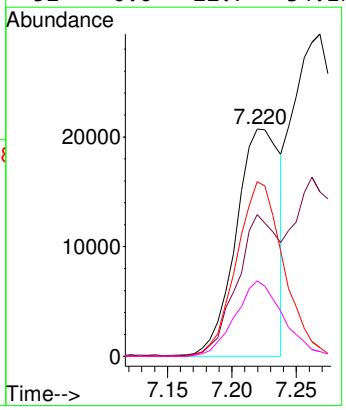




#41
Methacrylonitrile
Concen: 48.279 ug/l m
RT: 7.220 min Scan# 9
Delta R.T. -0.030 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 41 Resp: 4920

Ion	Ratio	Lower	Upper
41	100		
39	79.7	40.4	60.6
67	0.0	53.0	79.4
52	0.0	22.7	34.1#



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
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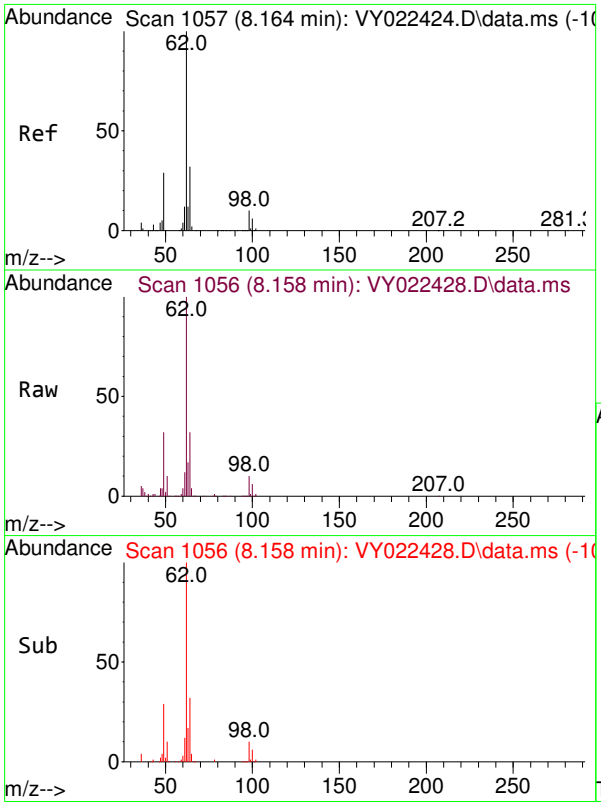
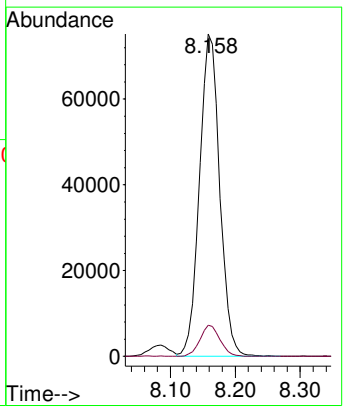
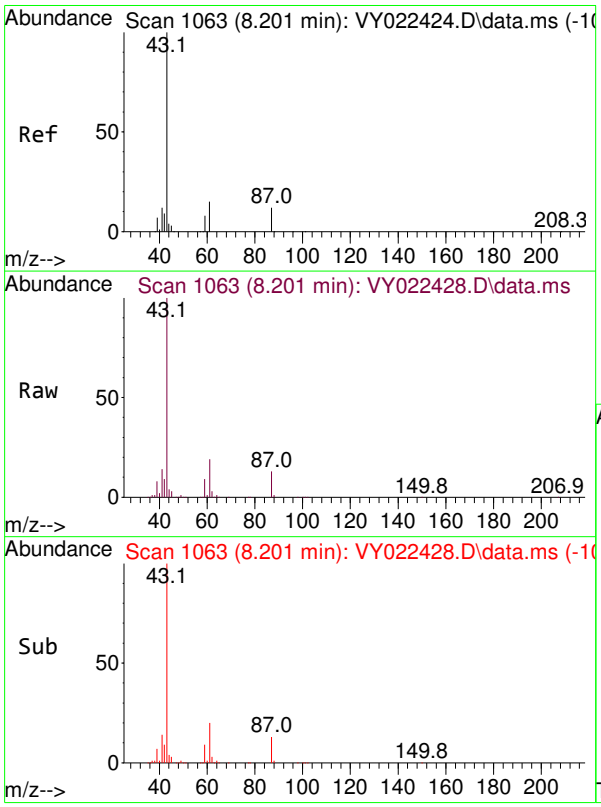


#42
1,2-Dichloroethane
Concen: 52.242 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 62 Resp: 162203

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.4

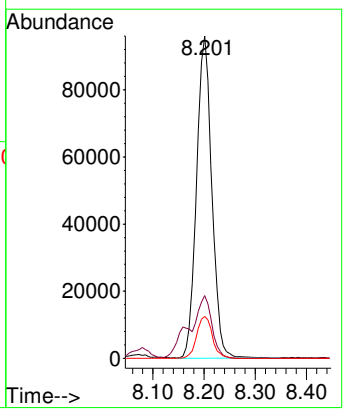




#43
Isopropyl Acetate
Concen: 54.305 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 43 Resp: 19924

Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.4	23.0
87	13.3	10.6	15.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
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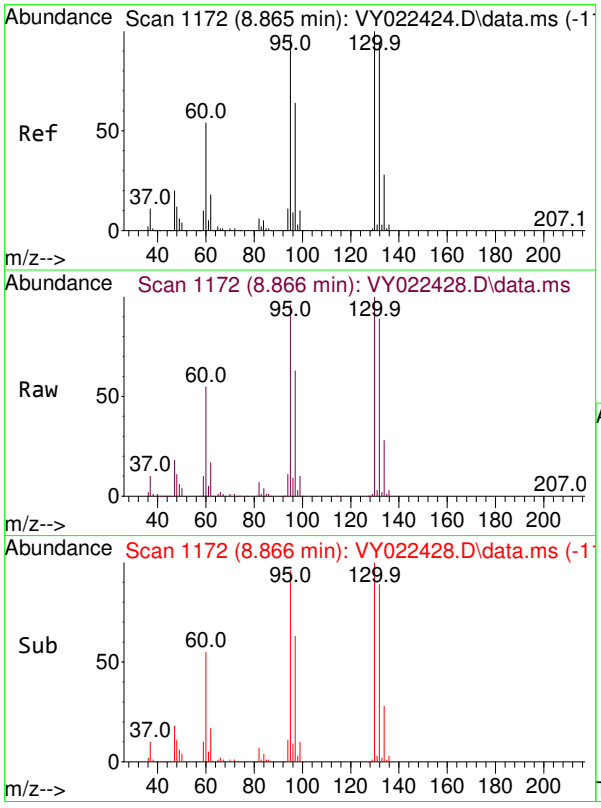
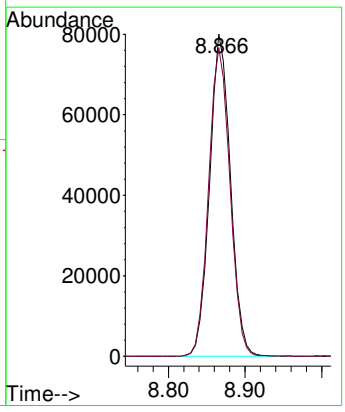
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

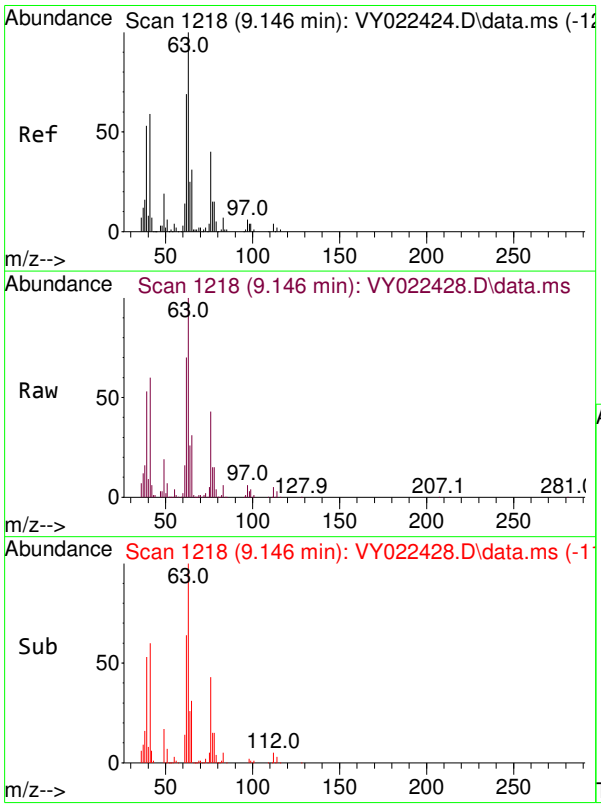


#44
Trichloroethene
Concen: 52.041 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:130 Resp: 151238

Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	194.8





#45
1,2-Dichloropropane
Concen: 50.975 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 63 Resp: 14079

Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.1	37.7

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
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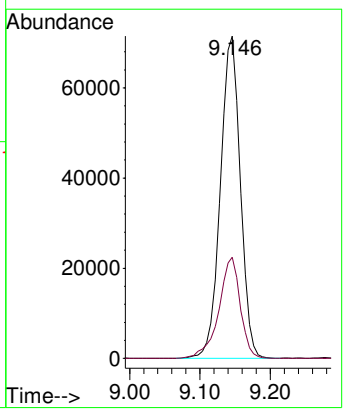
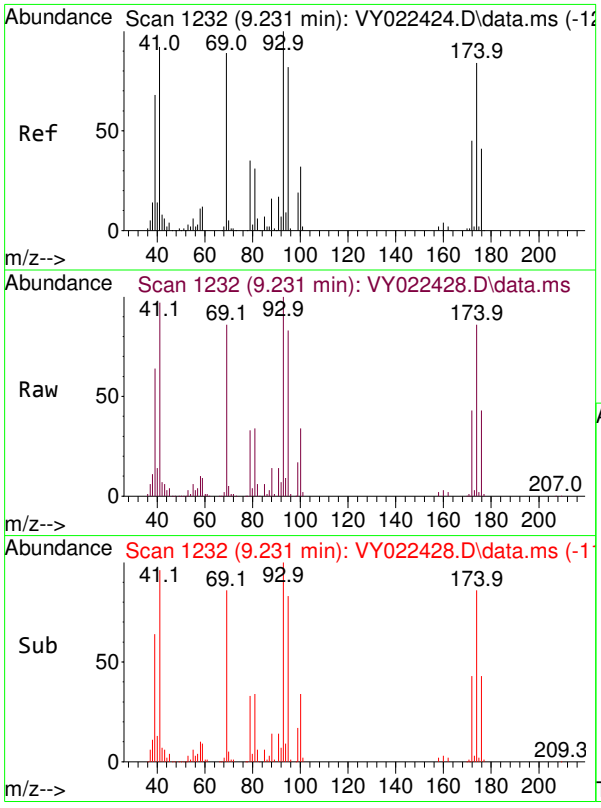
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

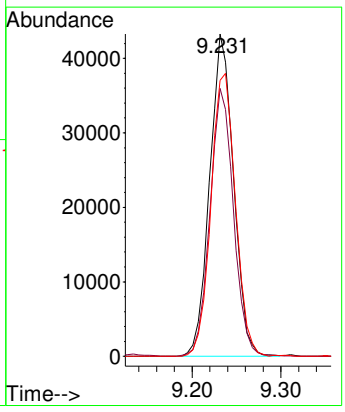


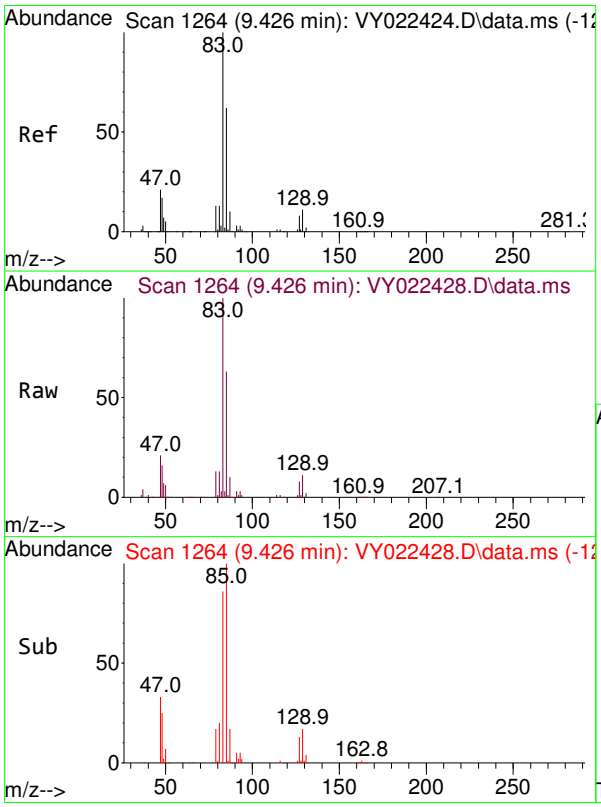


#46
Dibromomethane
Concen: 52.586 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 93 Resp: 81139

Ion	Ratio	Lower	Upper
93	100		
95	81.8	66.2	99.2
174	89.9	71.1	106.7





#47
Bromodichloromethane
Concen: 51.745 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 83 Resp: 20531

Ion	Ratio	Lower	Upper
83	100		
85	62.8	49.8	74.6
127	7.9	6.6	9.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
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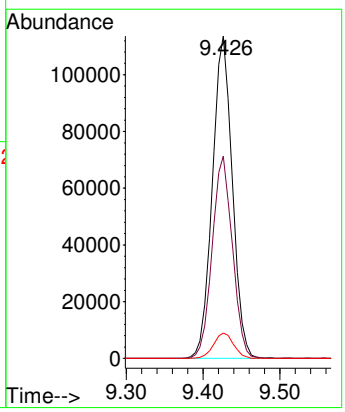
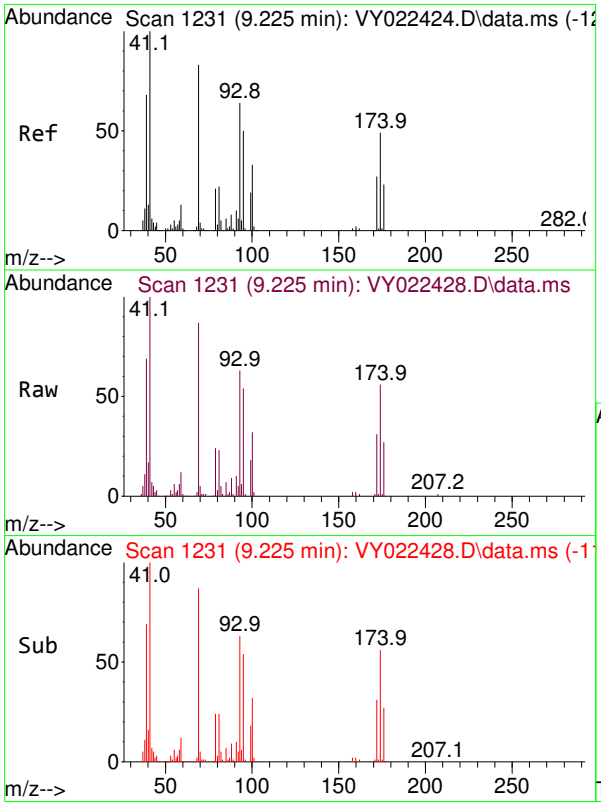
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

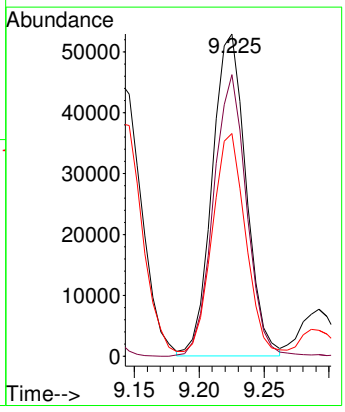


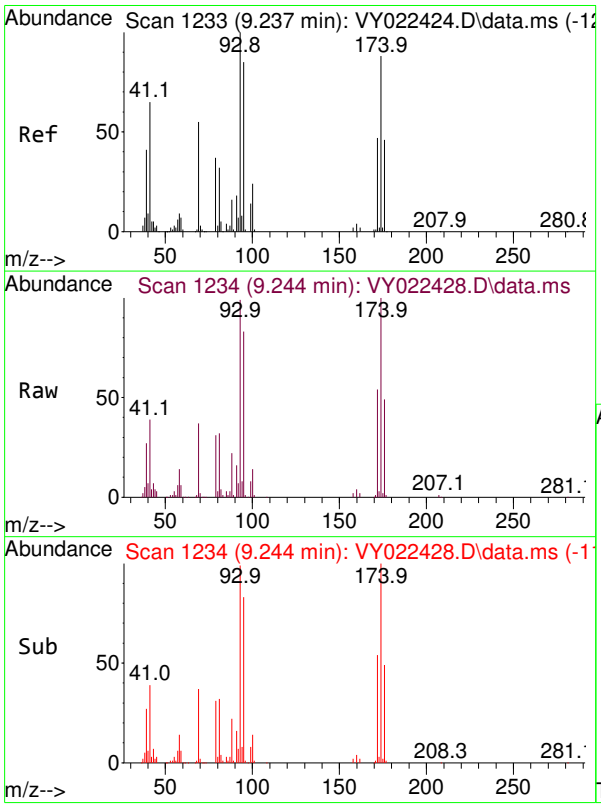


#48
Methyl methacrylate
Concen: 56.276 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 41 Resp: 95846

Ion	Ratio	Lower	Upper
41	100		
69	86.1	70.3	105.5
39	66.0	55.4	83.0





#49
1,4-Dioxane
Concen: 1051.366 ug/l
RT: 9.244 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 88 Resp: 1791

Ion	Ratio	Lower	Upper
88	100		
43	30.9	26.9	40.3
58	64.5	55.8	83.6

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
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Reviewed By :Amit Patel 05/28/2025
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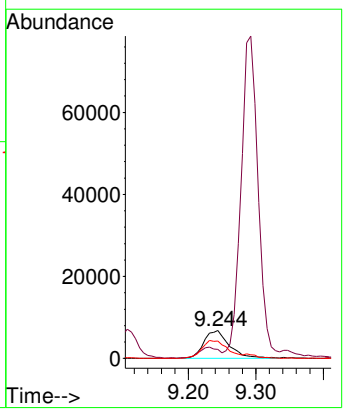
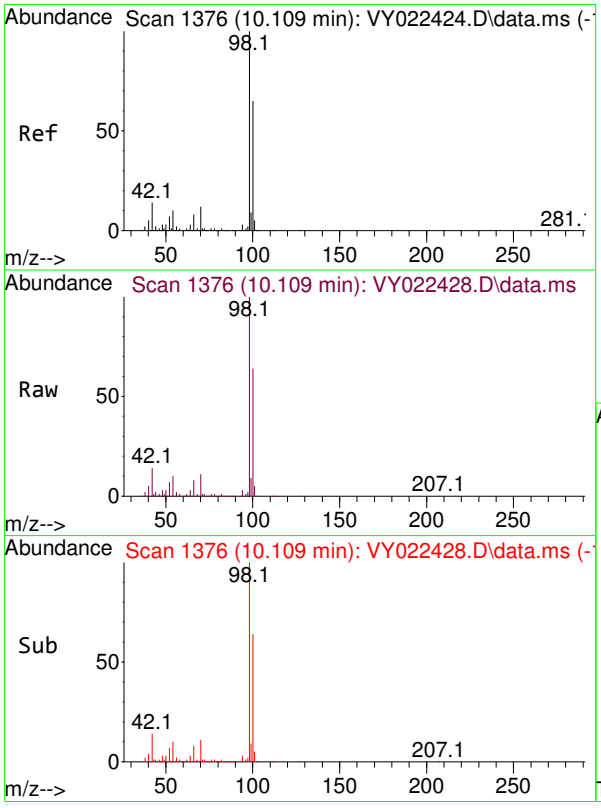
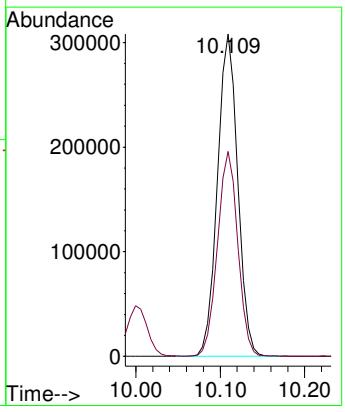


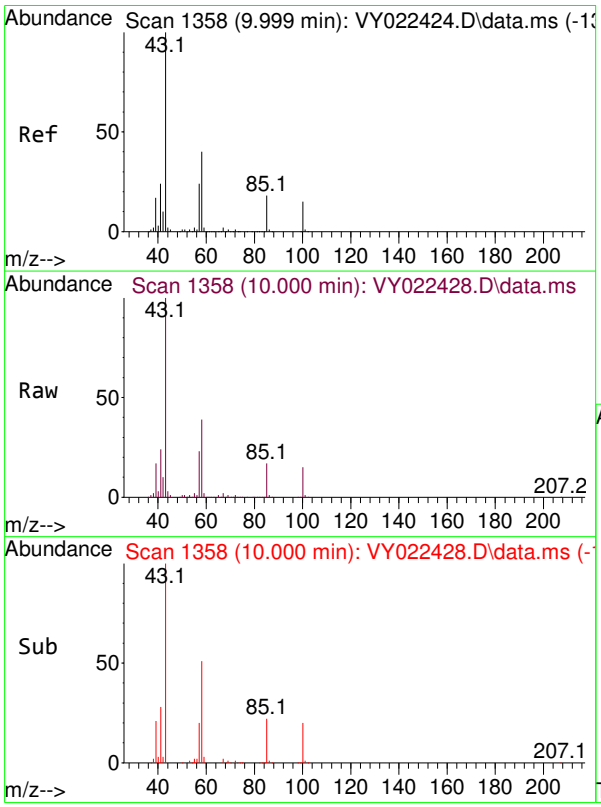


#50
Toluene-d8
Concen: 50.886 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 98 Resp: 516469

Ion	Ratio	Lower	Upper
98	100		
100	63.5	52.2	78.2





#51
4-Methyl-2-Pentanone
Concen: 287.032 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 43 Resp: 51960

Ion	Ratio	Lower	Upper
43	100		
58	39.2	31.2	46.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

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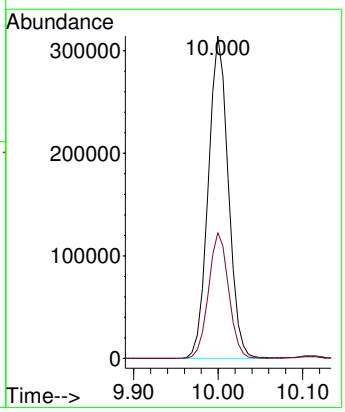
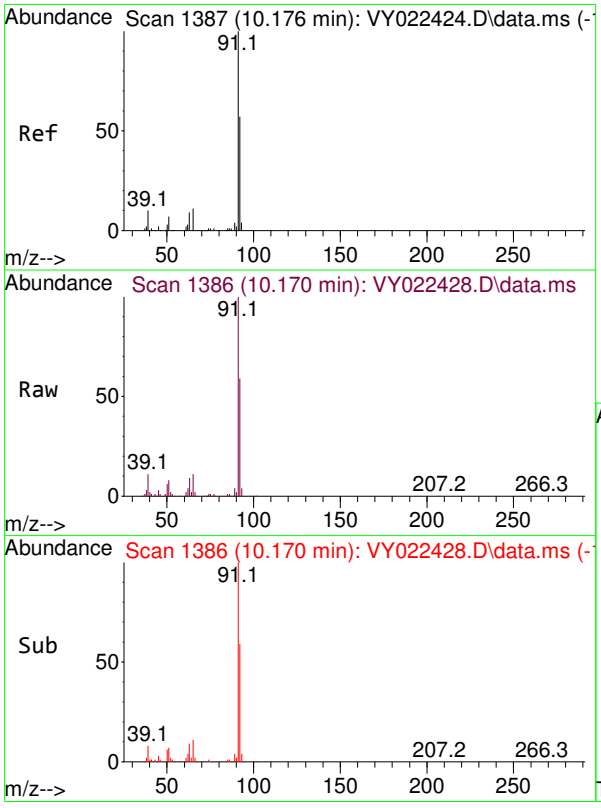
Supervised By :Mahesh Dadoda 05/28/2025

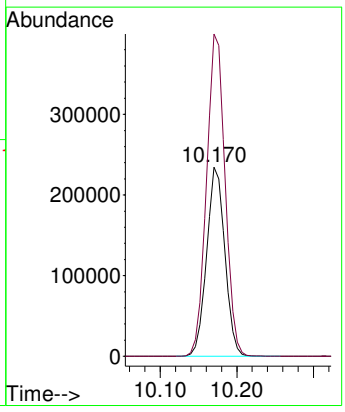


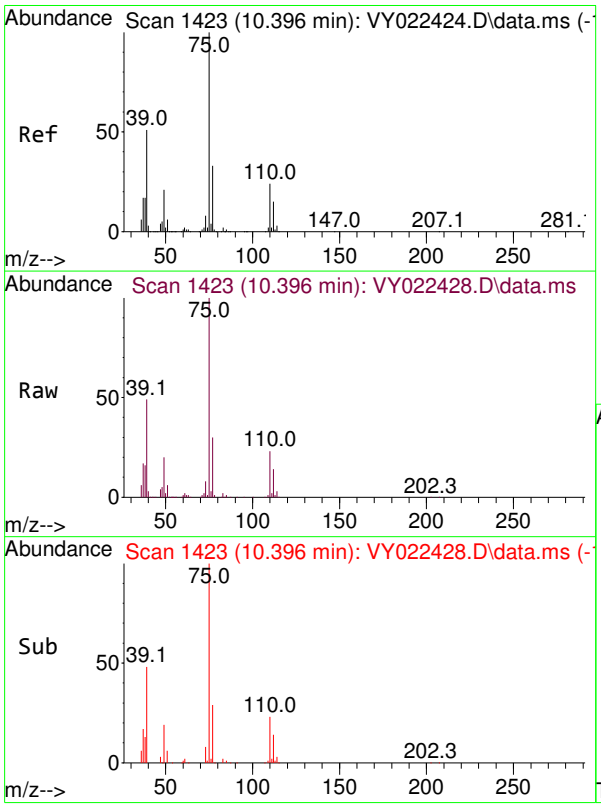


#52
Toluene
Concen: 52.832 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 92 Resp: 387936

Ion	Ratio	Lower	Upper
92	100		
91	173.4	139.8	209.6





#53
t-1,3-Dichloropropene
Concen: 54.094 ug/l
RT: 10.396 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 75 Resp: 19992

Ion	Ratio	Lower	Upper
75	100		
77	29.5	26.2	39.2

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
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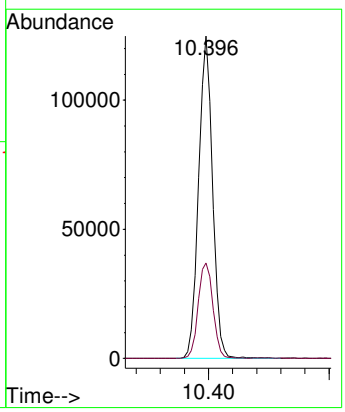
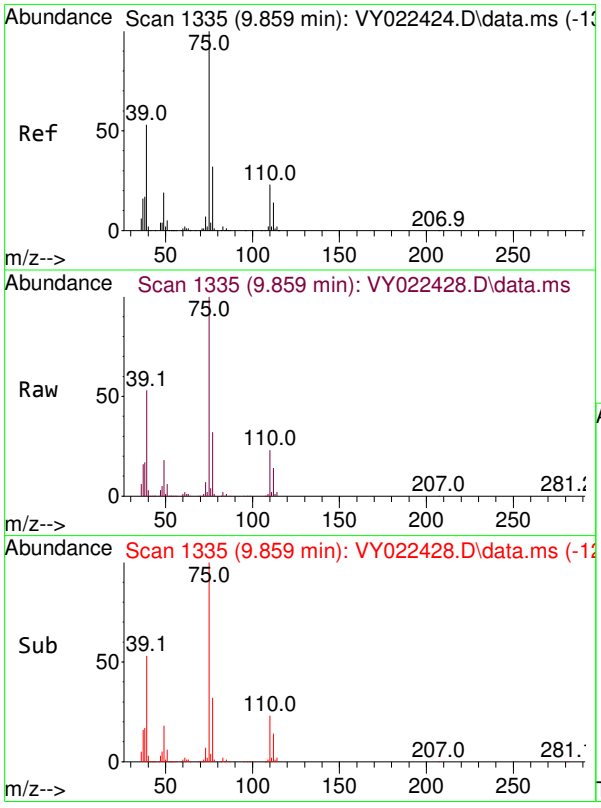
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

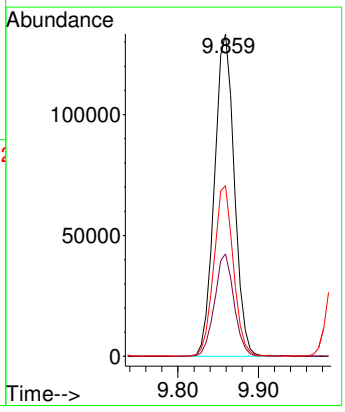


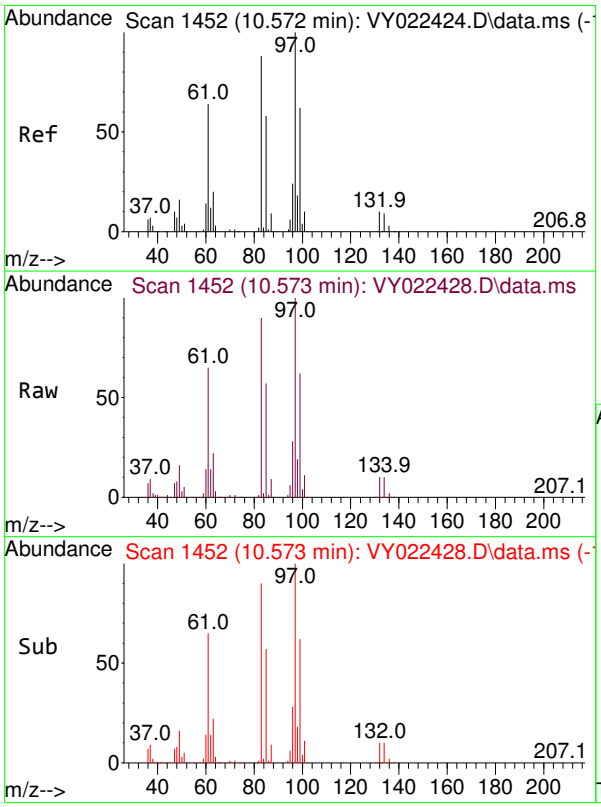


#54
cis-1,3-Dichloropropene
Concen: 52.618 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 75 Resp: 228509

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2
39	52.8	42.5	63.7

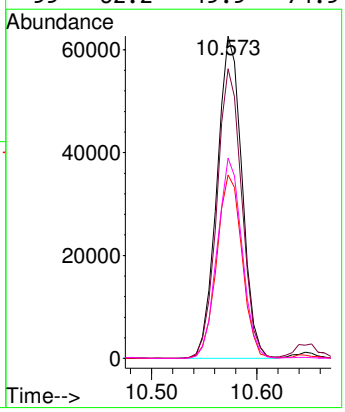




#55
1,1,2-Trichloroethane
Concen: 53.168 ug/l
RT: 10.573 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 97 Resp: 10372

Ion	Ratio	Lower	Upper
97	100		
83	89.8	70.2	105.4
85	56.9	46.1	69.1
99	62.2	49.9	74.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

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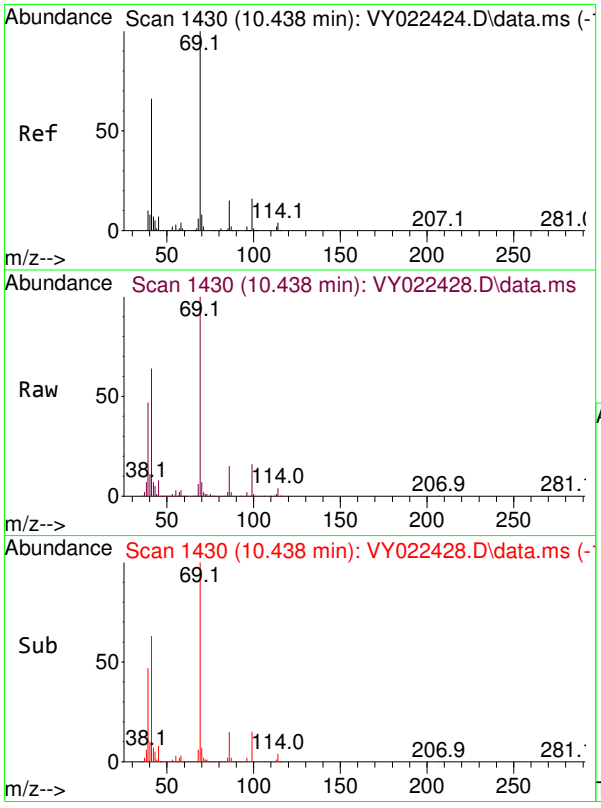
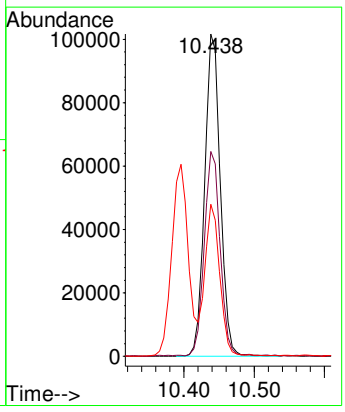
Supervised By :Mahesh Dadoda 05/28/2025

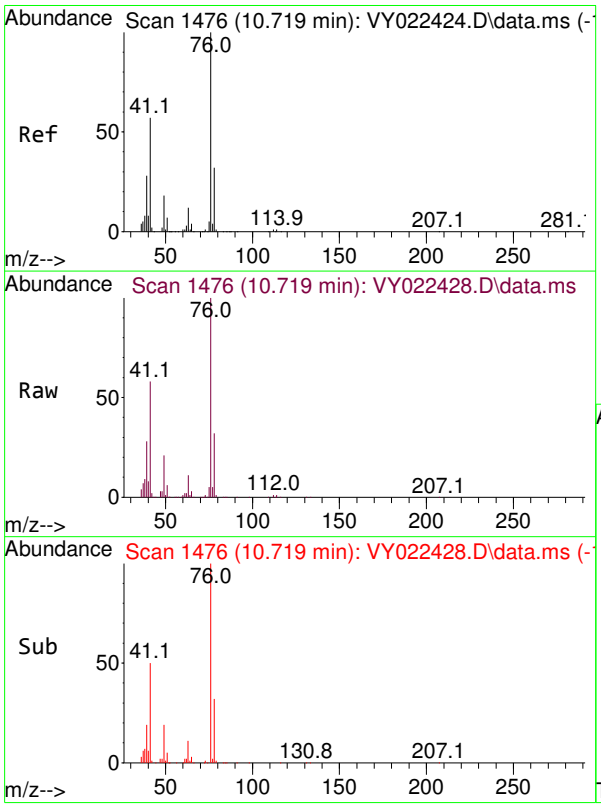


#56
Ethyl methacrylate
Concen: 55.994 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 69 Resp: 156757

Ion	Ratio	Lower	Upper
69	100		
41	64.1	51.2	76.8
39	44.3	35.2	52.8





#57
1,3-Dichloropropane
Concen: 52.634 ug/l
RT: 10.719 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 76 Resp: 18094

Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
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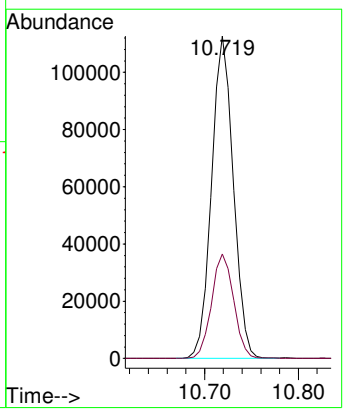
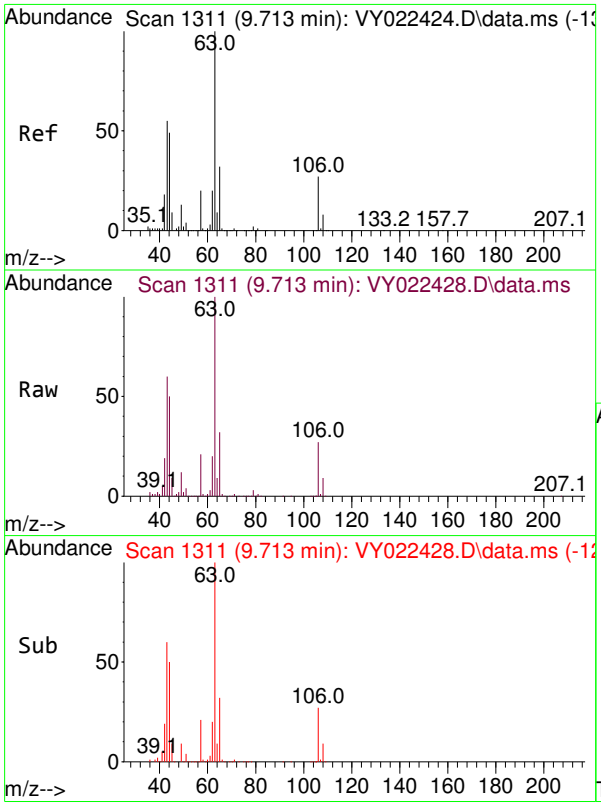
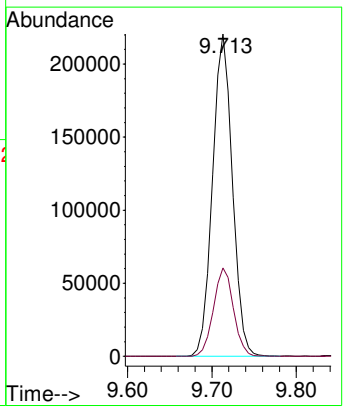


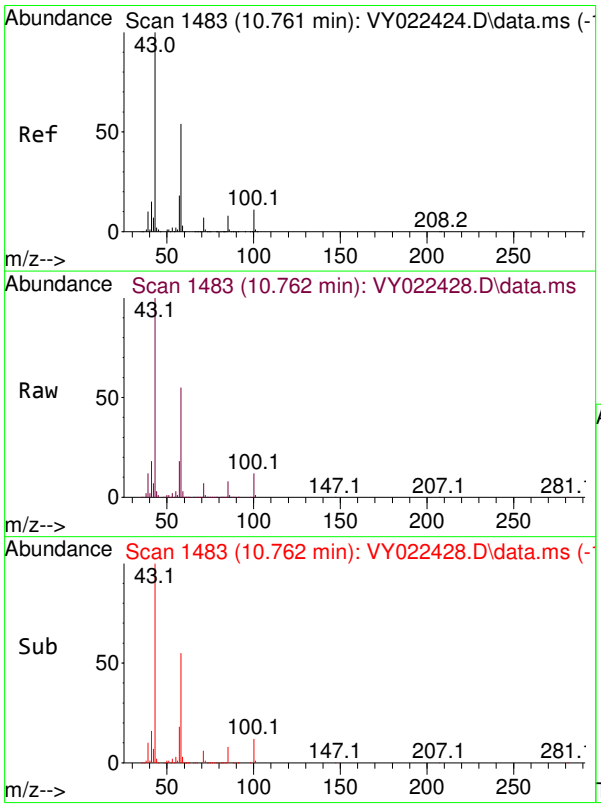


#58
2-Chloroethyl Vinyl ether
Concen: 259.493 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 63 Resp: 362054

Ion	Ratio	Lower	Upper
63	100		
106	27.5	22.2	33.2





#59
2-Hexanone
Concen: 292.964 ug/l
RT: 10.762 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 43 Resp: 34756

Ion	Ratio	Lower	Upper
43	100		
58	54.8	27.1	81.2

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
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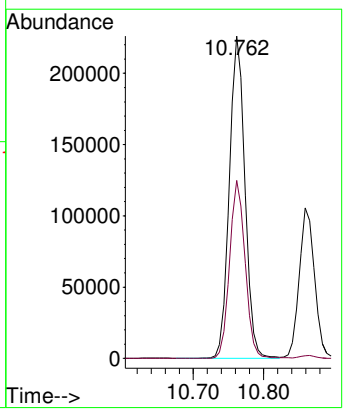
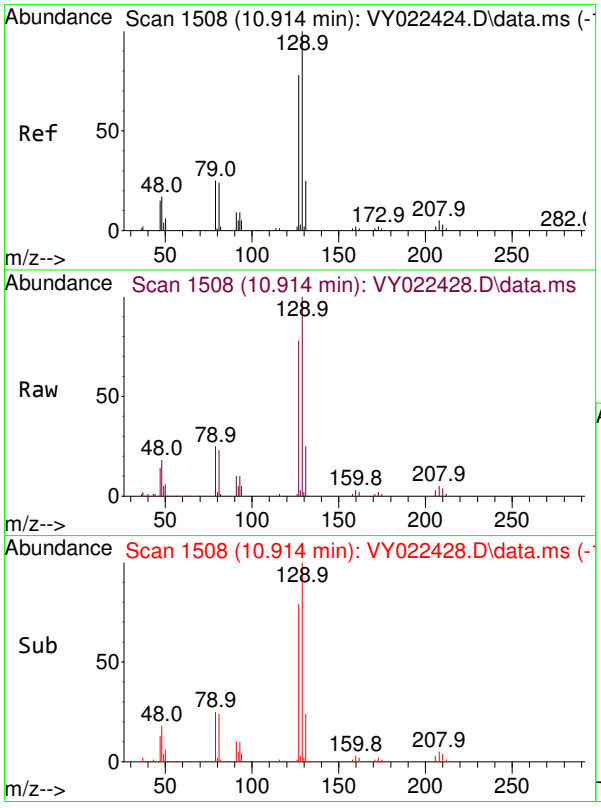
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

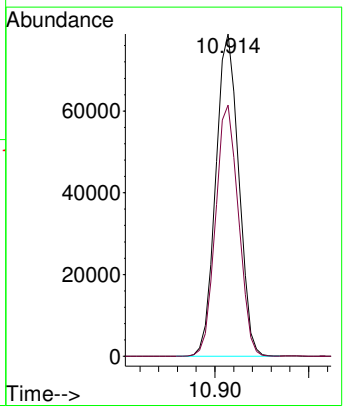


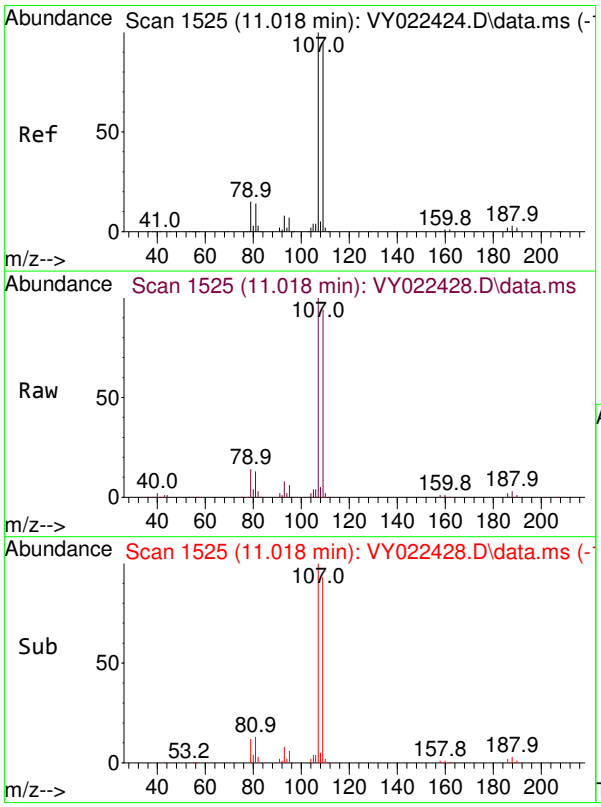


#60
Dibromochloromethane
Concen: 53.666 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:129 Resp: 133735

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.3	114.8





#61
1,2-Dibromoethane
Concen: 54.130 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

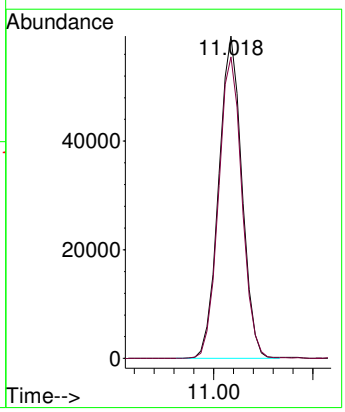
Tgt Ion:107 Resp: 9658

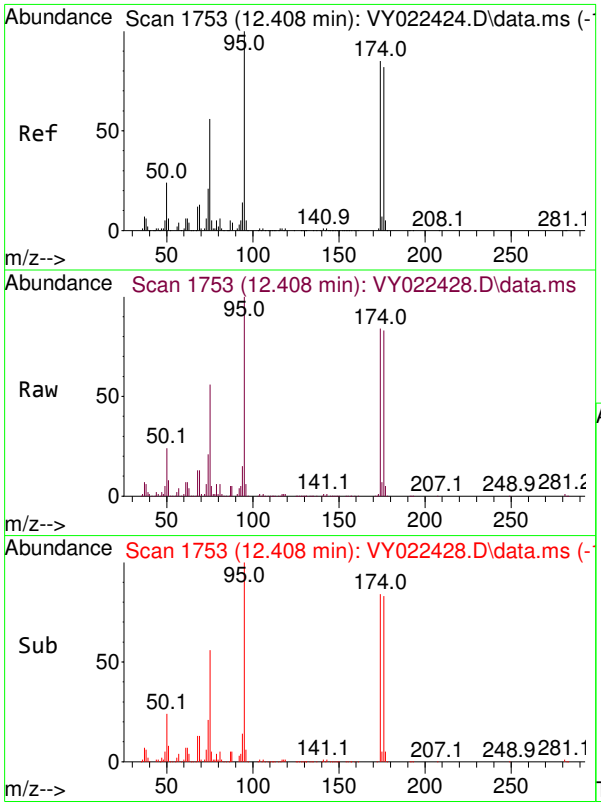
Ion	Ratio	Lower	Upper
107	100		
109	94.3	74.0	111.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

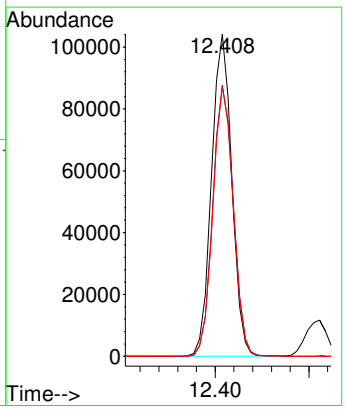


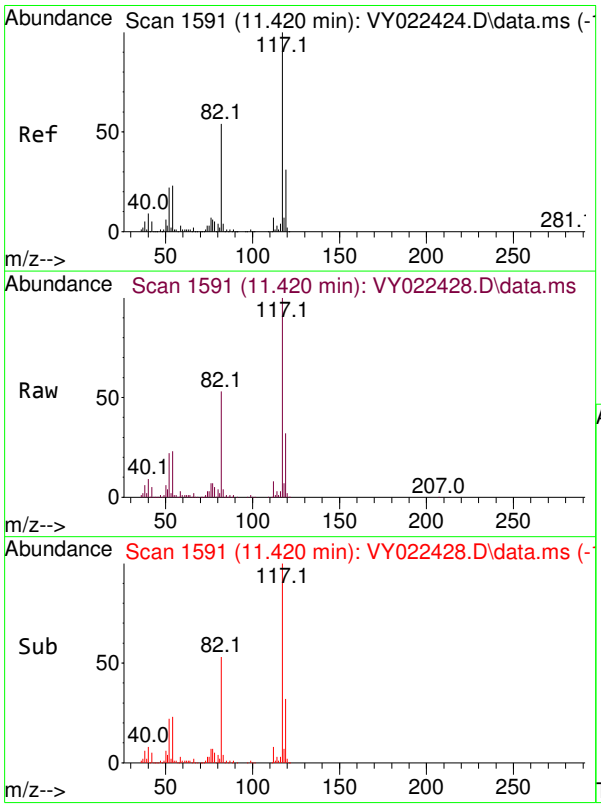


#62
4-Bromofluorobenzene
Concen: 50.731 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 95 Resp: 155747

Ion	Ratio	Lower	Upper
95	100		
174	85.0	0.0	171.6
176	84.3	0.0	164.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

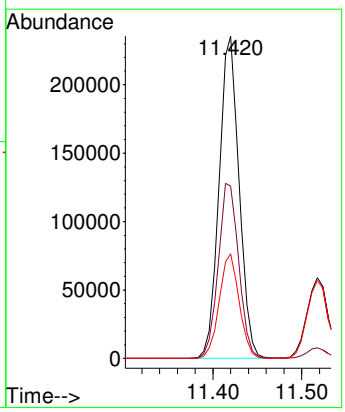
Tgt Ion:117 Resp: 37116

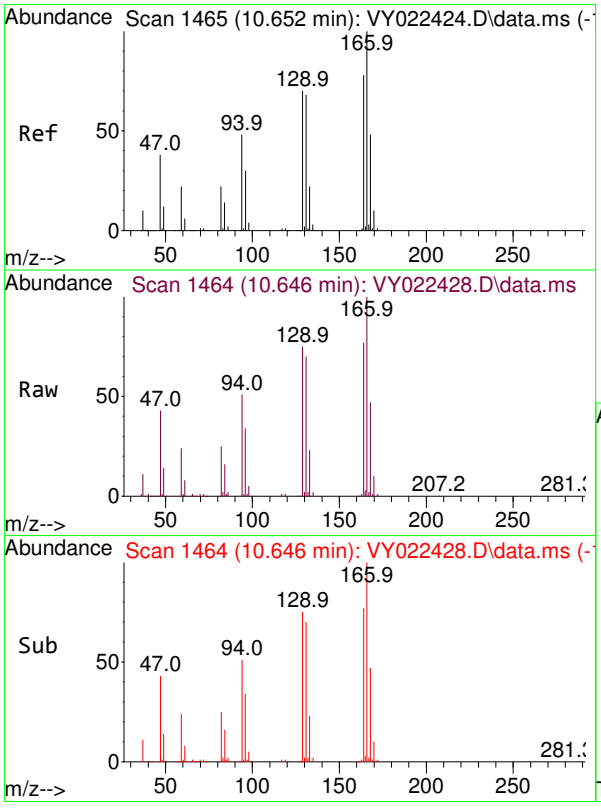
Ion	Ratio	Lower	Upper
117	100		
82	53.5	43.3	64.9
119	32.5	24.5	36.7

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

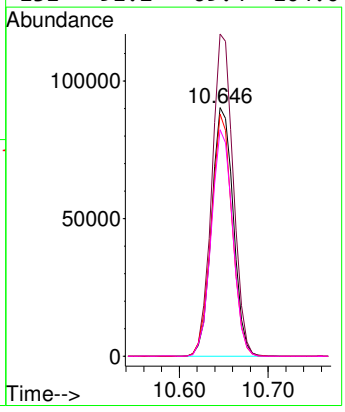


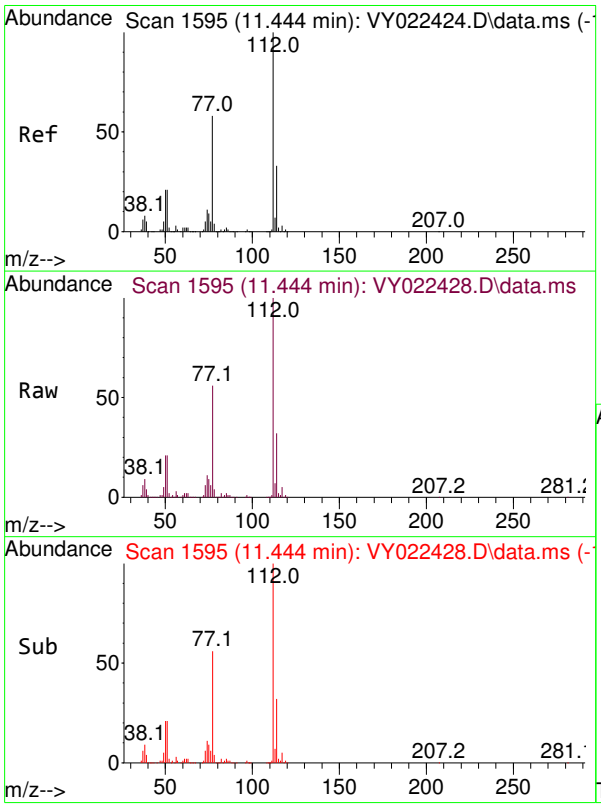


#64
Tetrachloroethene
Concen: 48.564 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:164 Resp: 153515

Ion	Ratio	Lower	Upper
164	100		
166	129.7	102.0	153.0
129	97.4	71.3	106.9
131	91.2	69.4	104.0





#65
Chlorobenzene
Concen: 51.703 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:112 Resp: 40919

Ion	Ratio	Lower	Upper
112	100		
114	31.7	26.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
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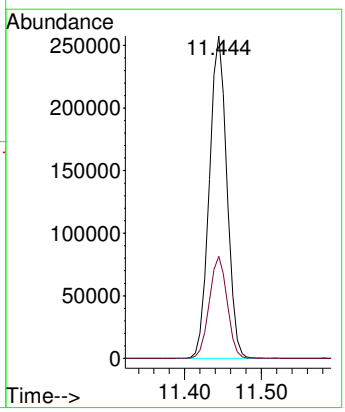
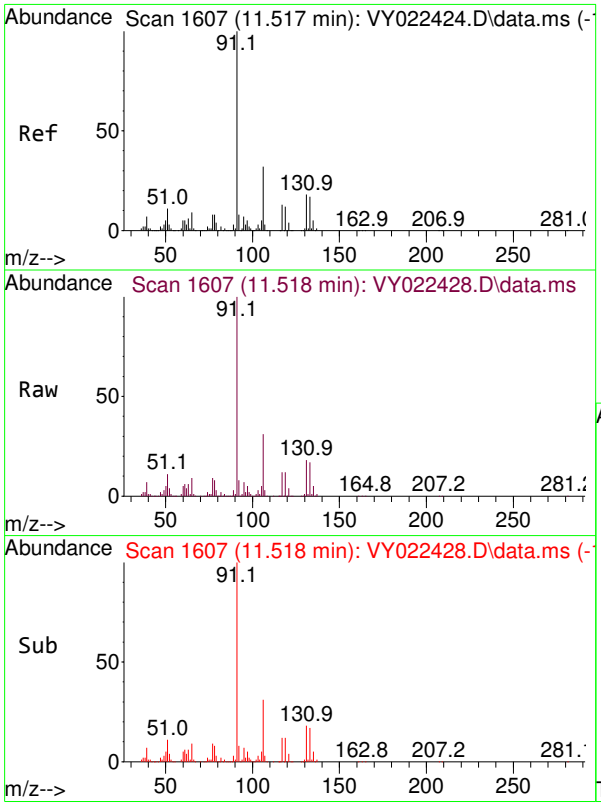
Supervised By :Mahesh Dadoda 05/28/2025

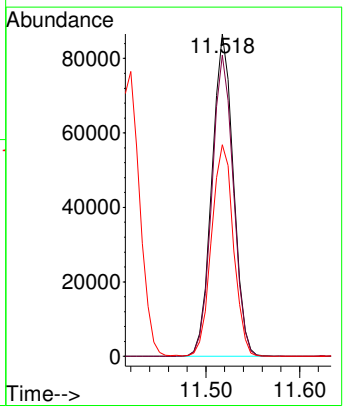


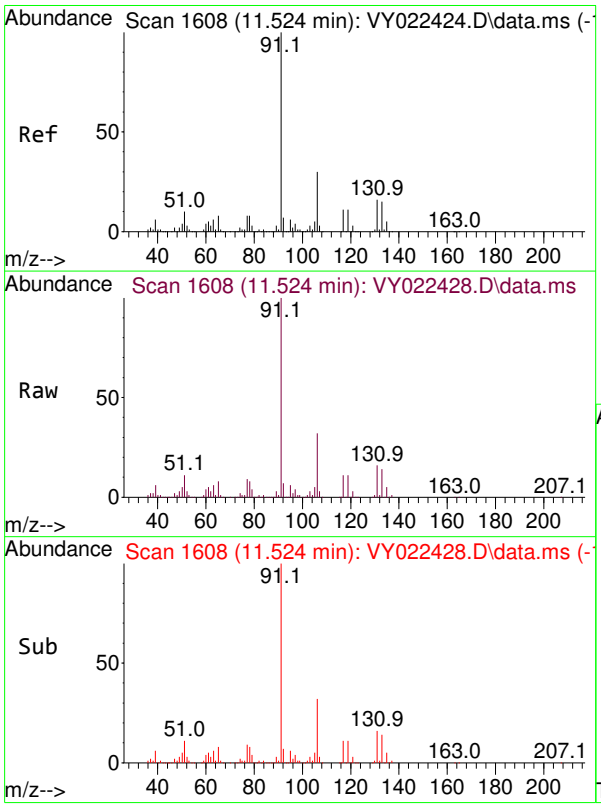


#66
1,1,1,2-Tetrachloroethane
Concen: 51.219 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:131 Resp: 137345

Ion	Ratio	Lower	Upper
131	100		
133	93.5	46.6	139.8
119	67.0	33.3	99.8





#67
Ethyl Benzene
Concen: 50.971 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 91 Resp: 74904

Ion	Ratio	Lower	Upper
91	100		
106	31.7	24.4	36.6

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

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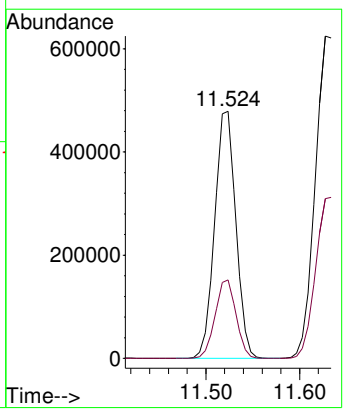
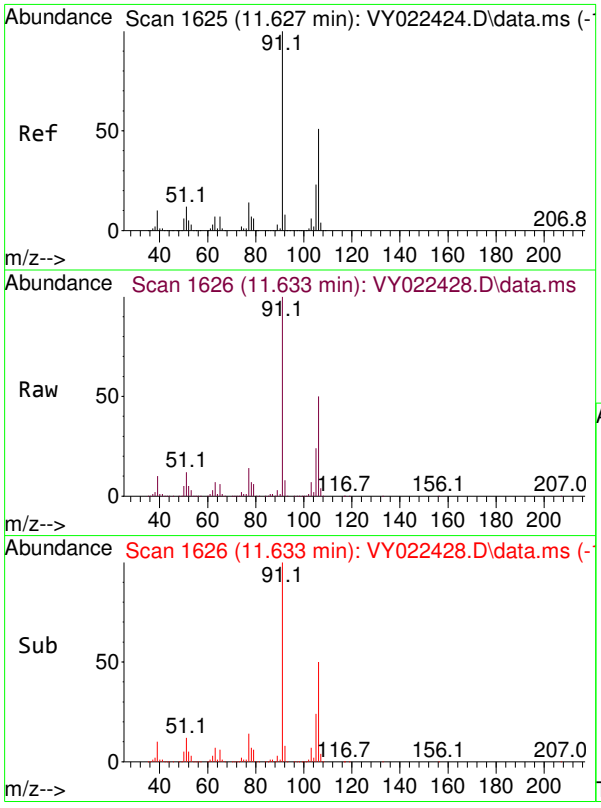
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

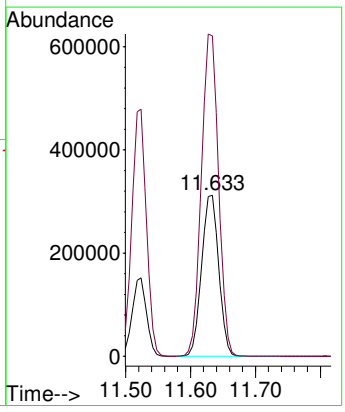


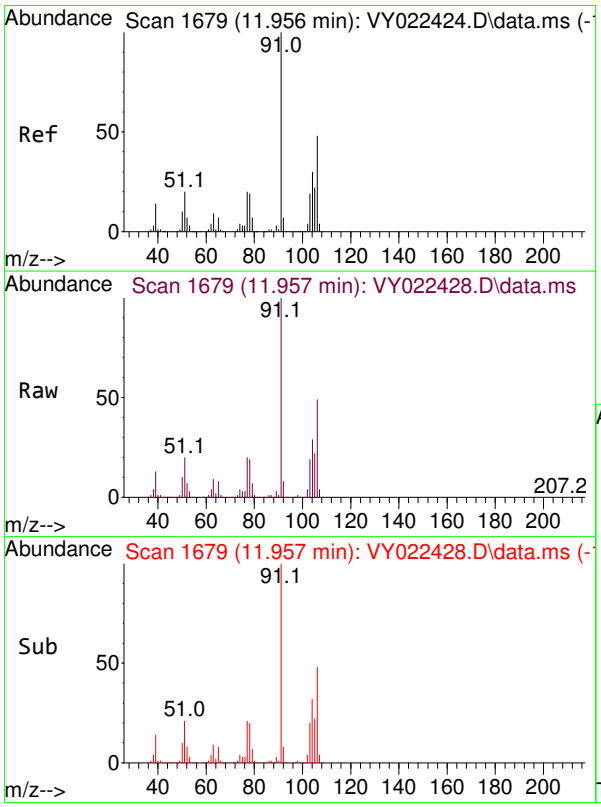


#68
m/p-Xylenes
Concen: 102.513 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:106 Resp: 571164

Ion	Ratio	Lower	Upper
106	100		
91	199.8	159.8	239.8





#69
o-Xylene
Concen: 51.205 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:106 Resp: 26813

Ion	Ratio	Lower	Upper
106	100		
91	212.5	106.3	318.9

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

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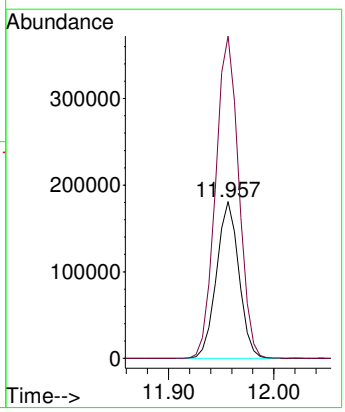
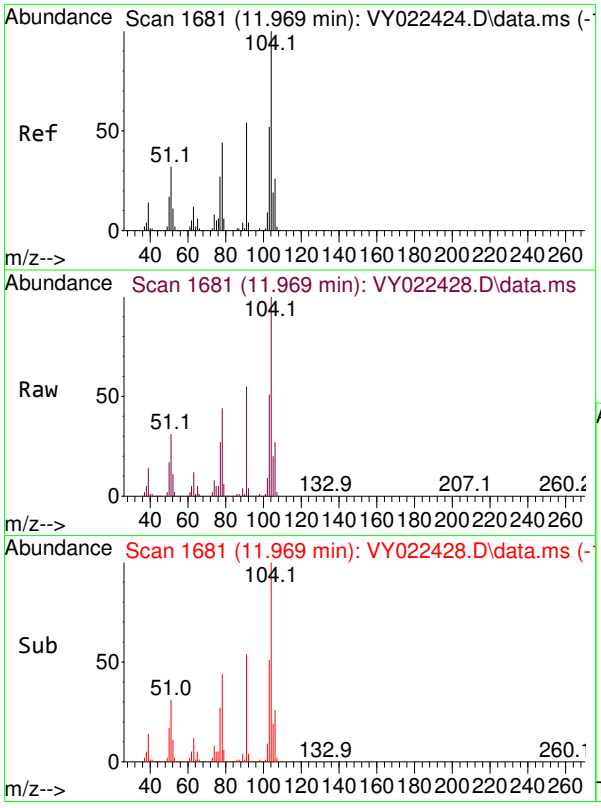
Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

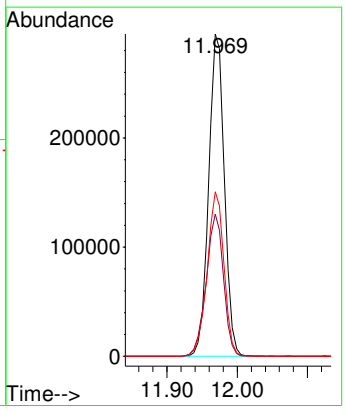


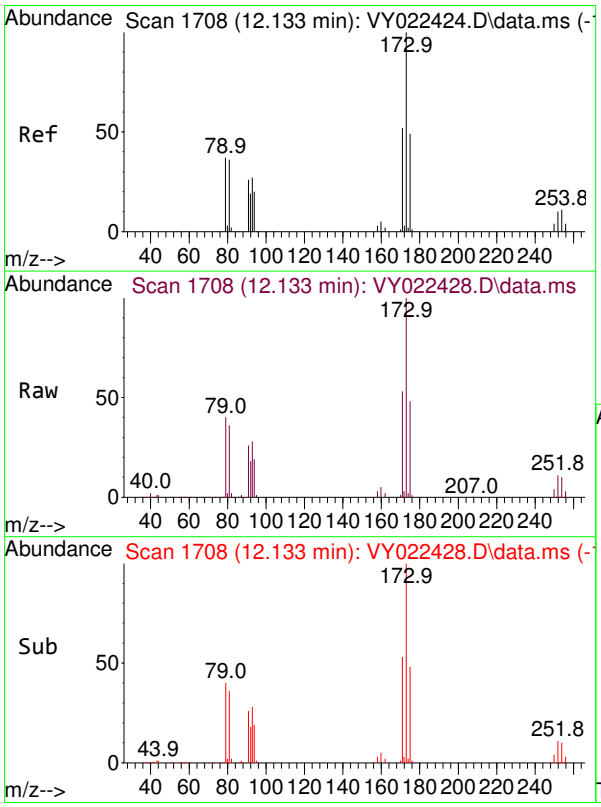


#70
Styrene
Concen: 52.397 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:104 Resp: 456865

Ion	Ratio	Lower	Upper
104	100		
78	48.6	38.8	58.2
103	54.6	43.4	65.2





#71
Bromoform
Concen: 52.420 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

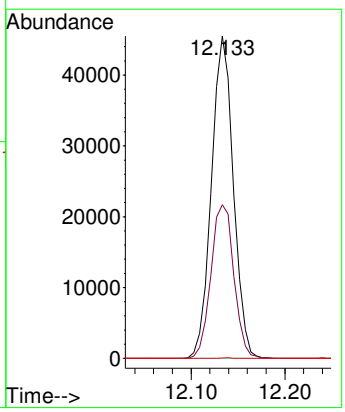
Tgt Ion:173 Resp: 7362

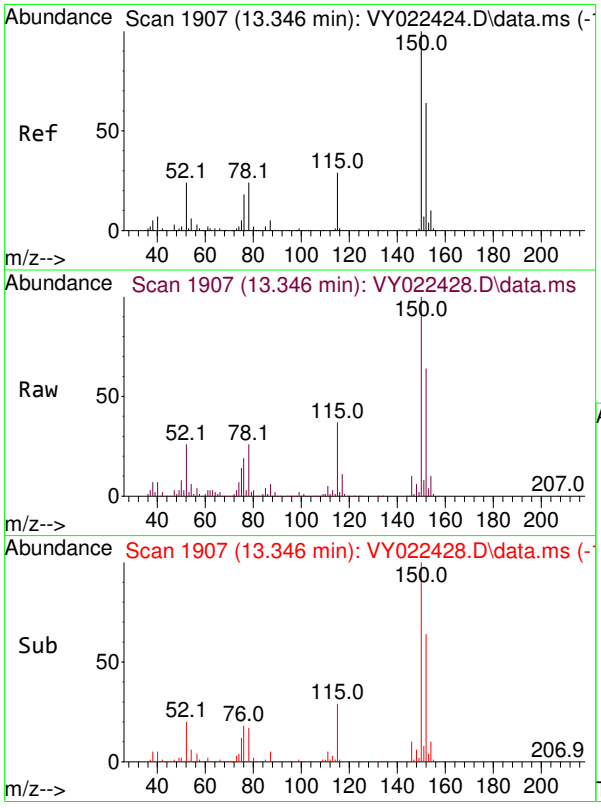
Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.3	73.0
254	0.1	0.1	0.1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

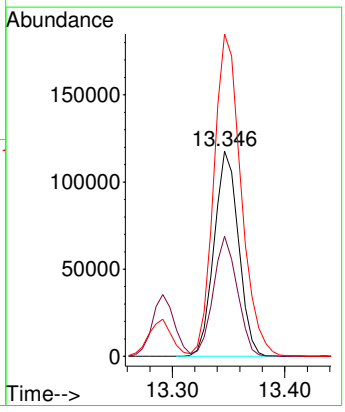


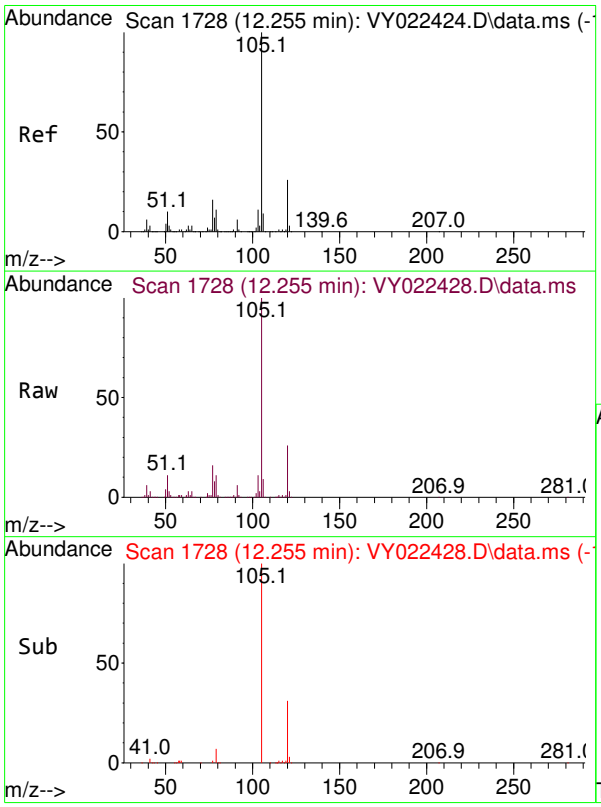


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:152 Resp: 177242

Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.4	85.3
150	175.4	0.0	345.8





#73
Isopropylbenzene
Concen: 50.060 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:105 Resp: 69831

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
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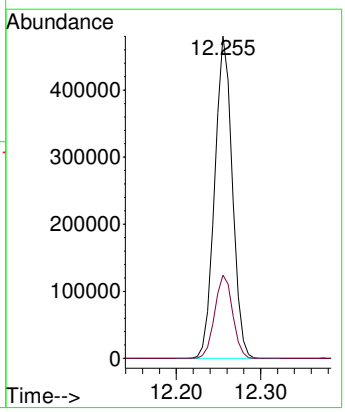
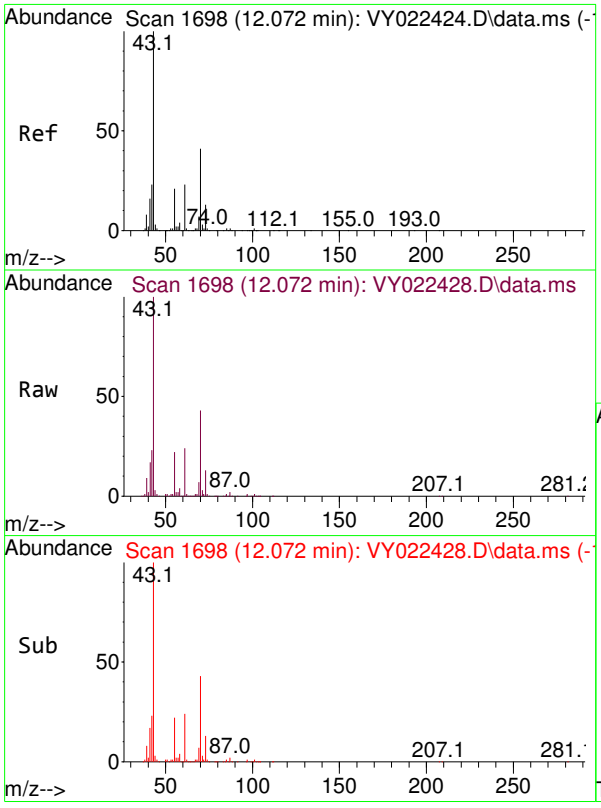
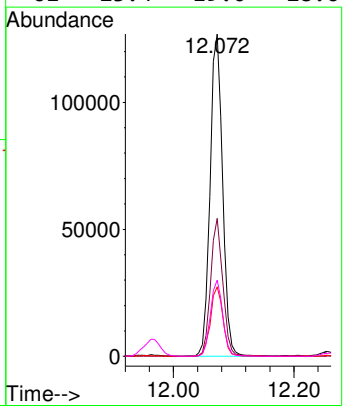


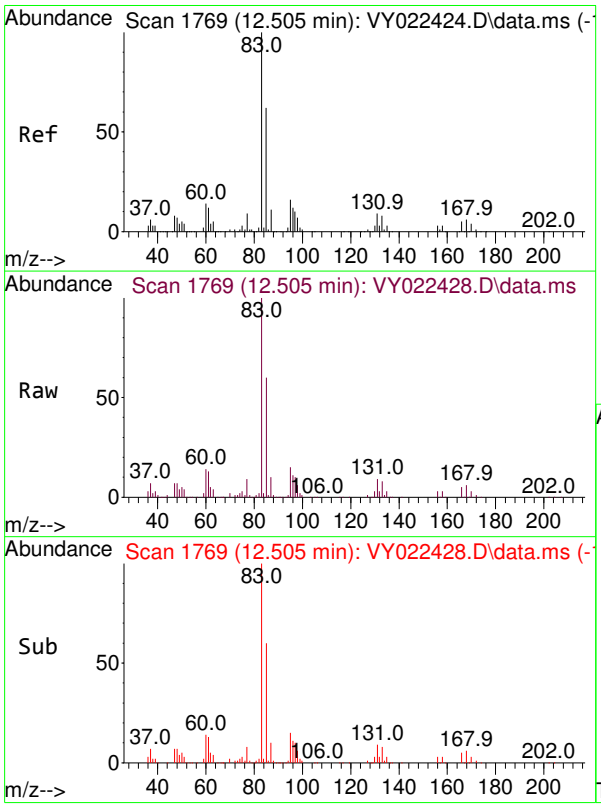


#74
N-amyl acetate
Concen: 53.559 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 43 Resp: 182818

Ion	Ratio	Lower	Upper
43	100		
70	41.6	33.0	49.4
55	21.9	17.5	26.3
61	23.4	19.0	28.6





#75
1,1,2,2-Tetrachloroethane
Concen: 53.303 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 83 Resp: 11715

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.8	14.4
85	65.0	32.0	96.2

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
APPROVED

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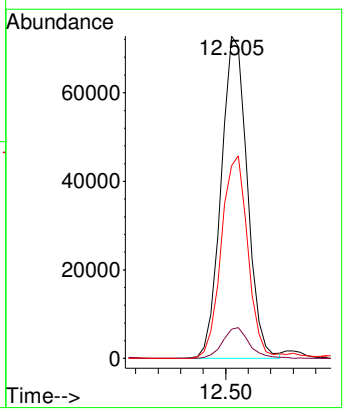
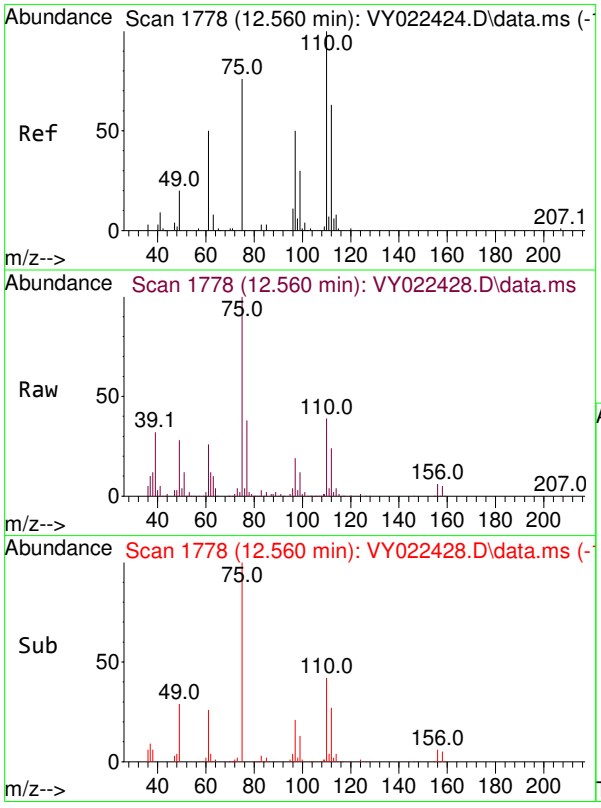
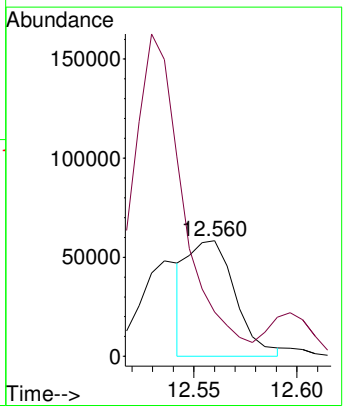


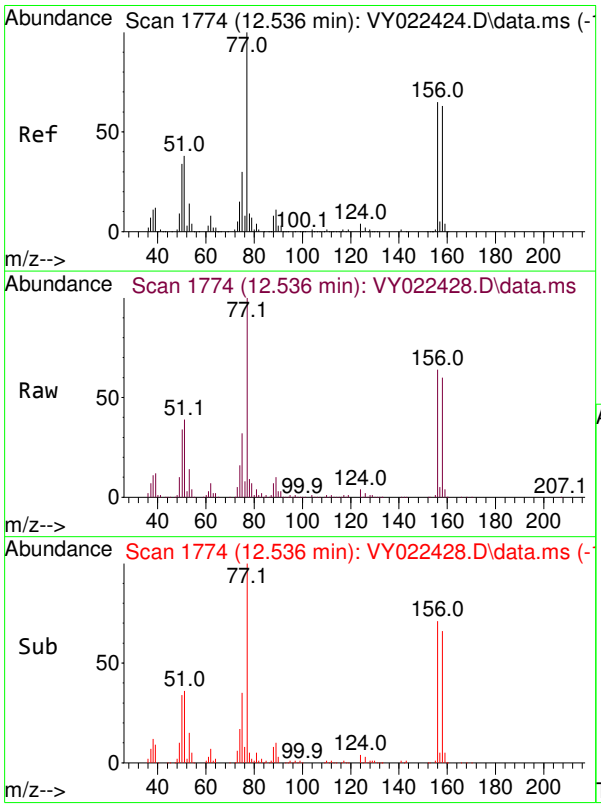


#76
1,2,3-Trichloropropane
Concen: 52.582 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 75 Resp: 93352

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 50.481 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:156 Resp: 15153

Ion	Ratio	Lower	Upper
156	100		
77	185.5	91.4	274.2
158	95.2	48.1	144.3

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
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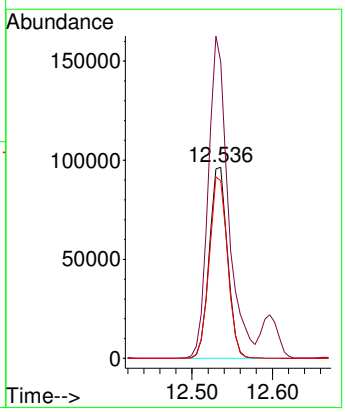
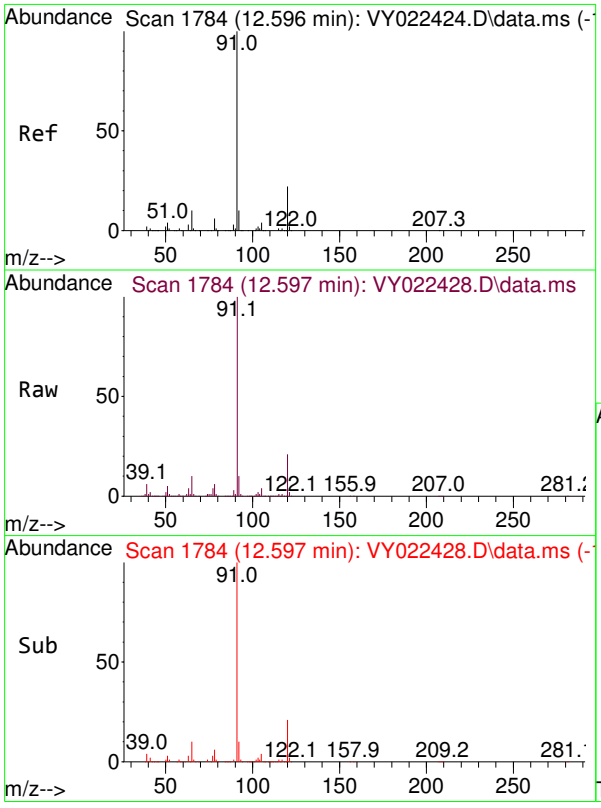
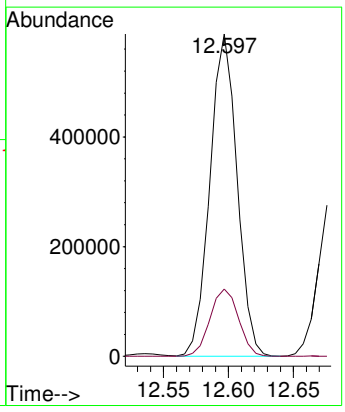


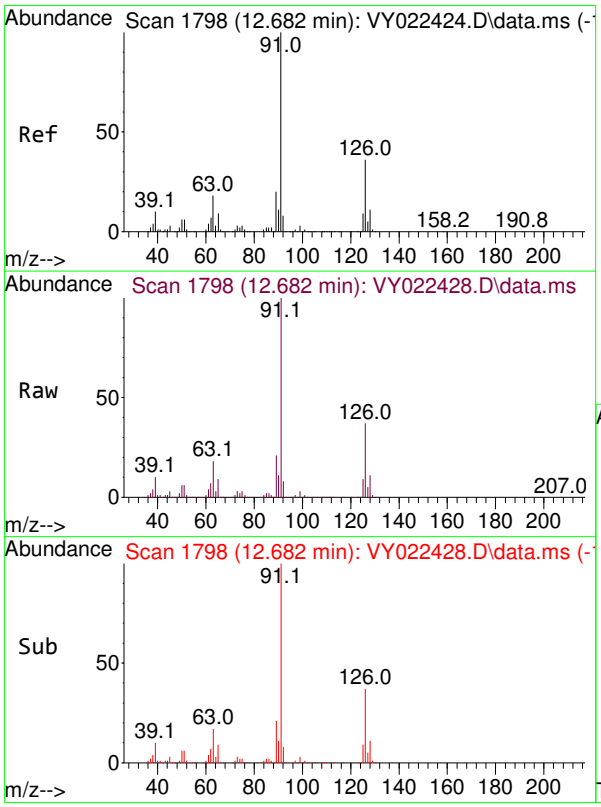


#78
n-propylbenzene
Concen: 50.973 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 91 Resp: 853326

Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.2	33.5





#79
2-Chlorotoluene
Concen: 50.314 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 91 Resp: 45594

Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.4	52.3

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
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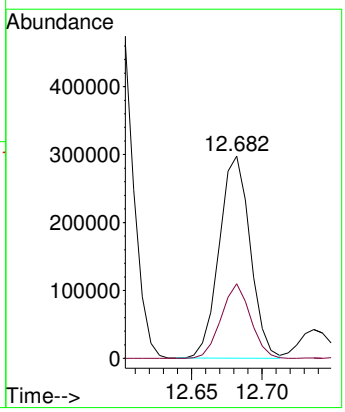
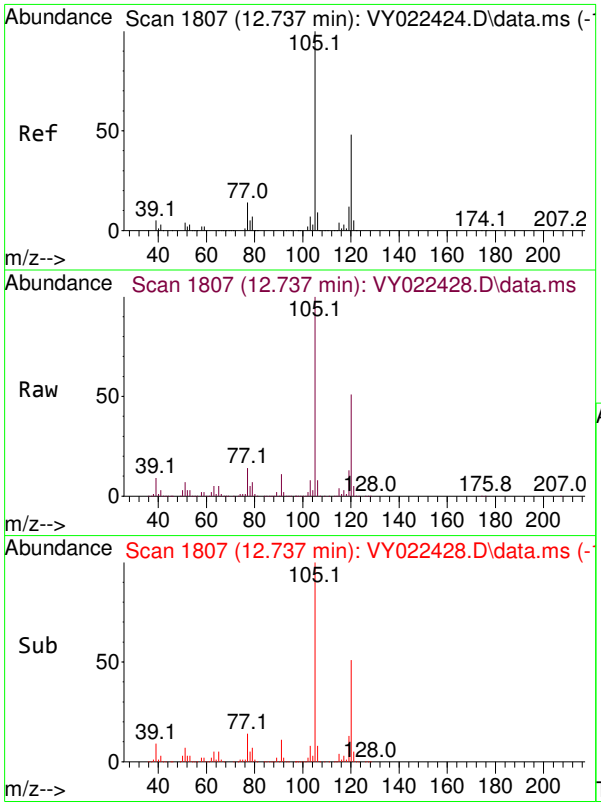
Supervised By :Mahesh Dadoda 05/28/2025

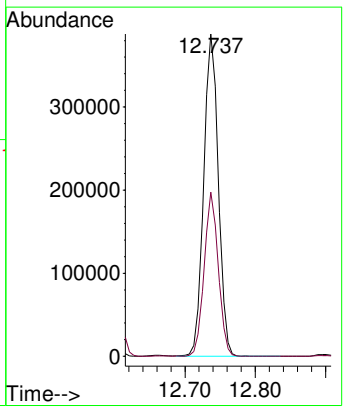


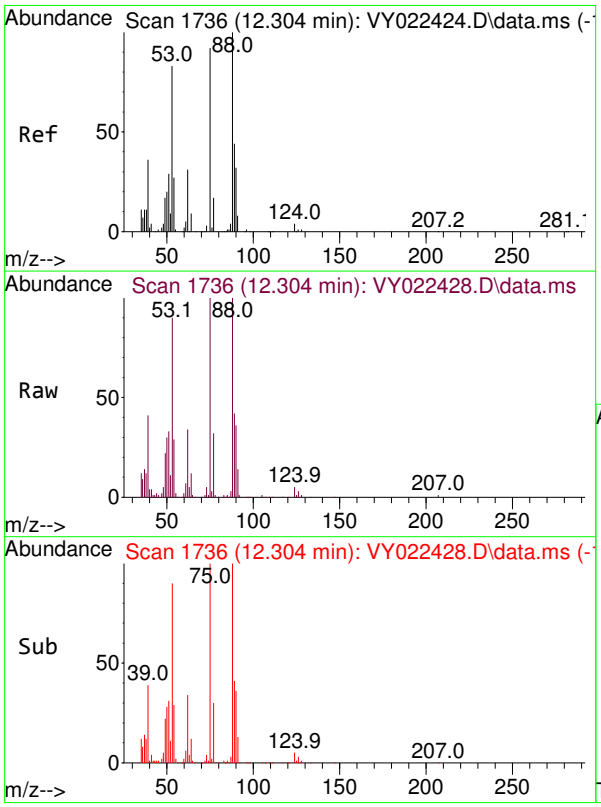


#80
1,3,5-Trimethylbenzene
Concen: 51.376 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:105 Resp: 559964

Ion	Ratio	Lower	Upper
105	100		
120	49.2	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 51.064 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

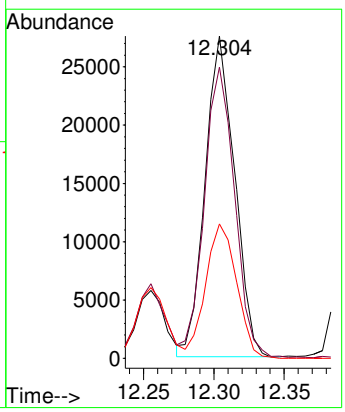
Tgt Ion: 75 Resp: 4008

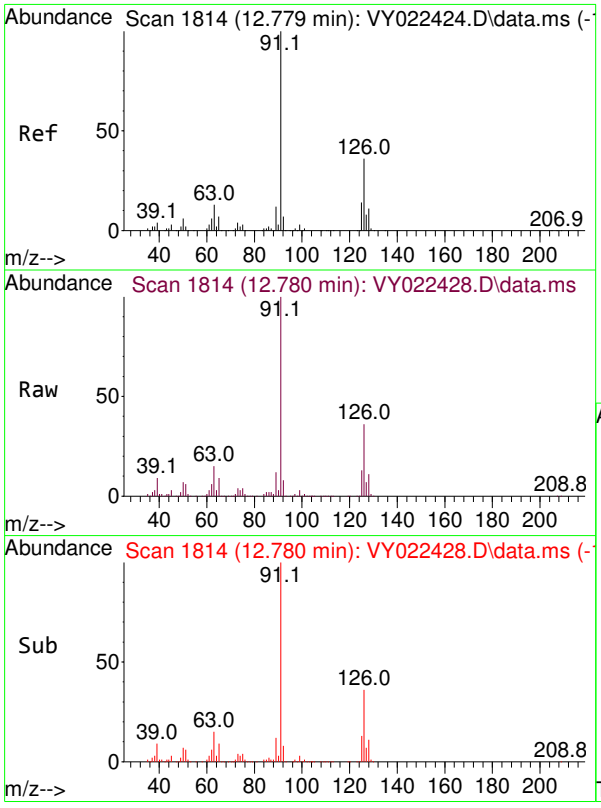
Ion	Ratio	Lower	Upper
75	100		
53	93.6	75.1	112.7
89	44.0	37.4	56.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

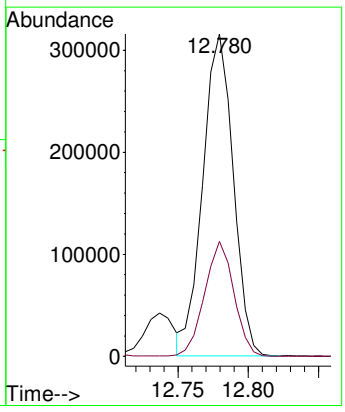


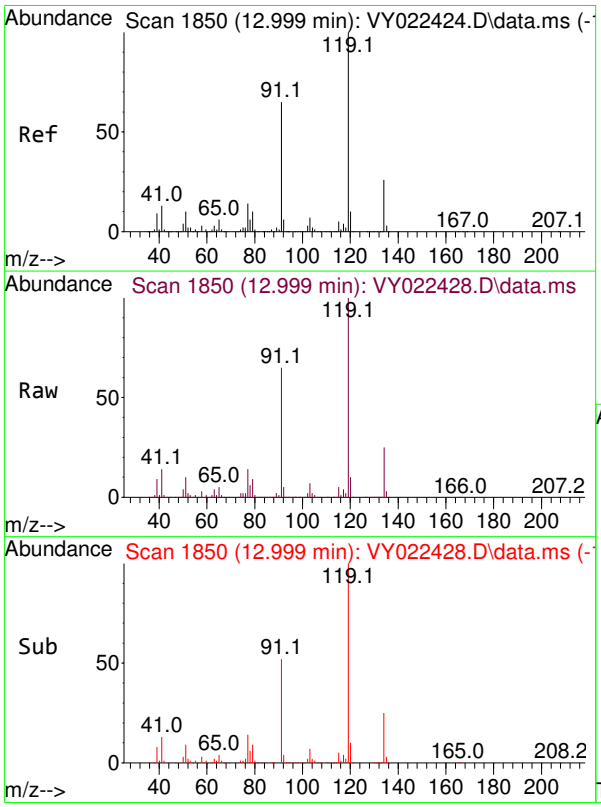


#82
4-Chlorotoluene
Concen: 50.944 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 91 Resp: 475462

Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.2	51.6





#83
tert-Butylbenzene
Concen: 51.321 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

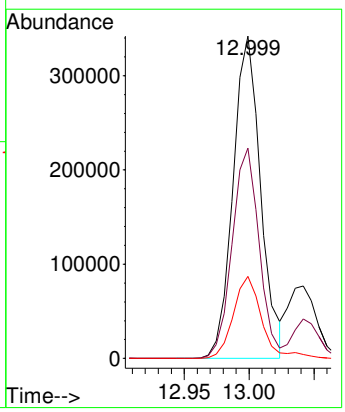
Tgt Ion:119 Resp: 50538

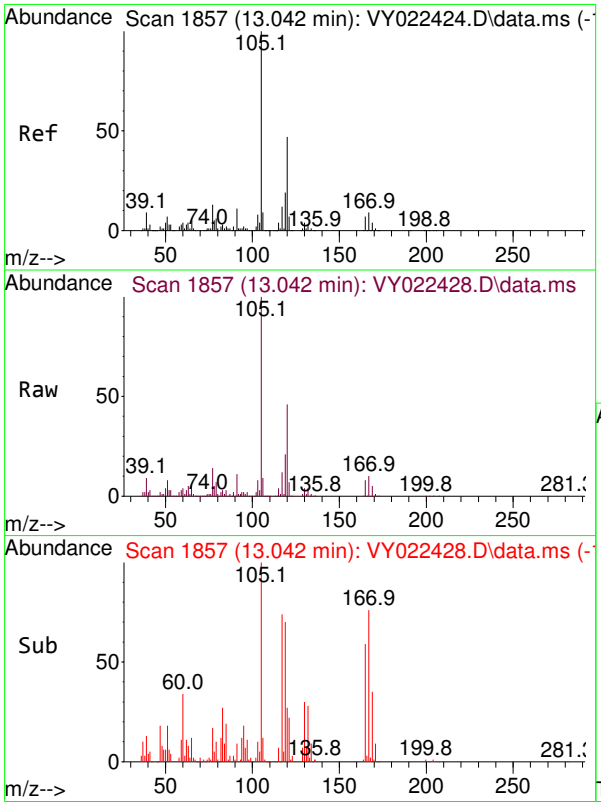
Ion	Ratio	Lower	Upper
119	100		
91	63.7	31.8	95.3
134	26.2	13.0	38.9

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

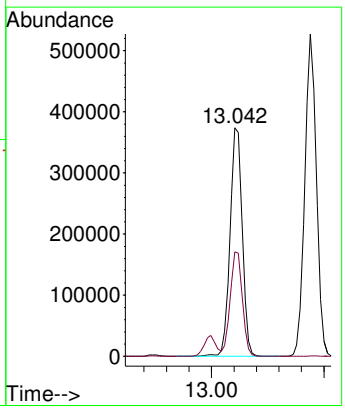


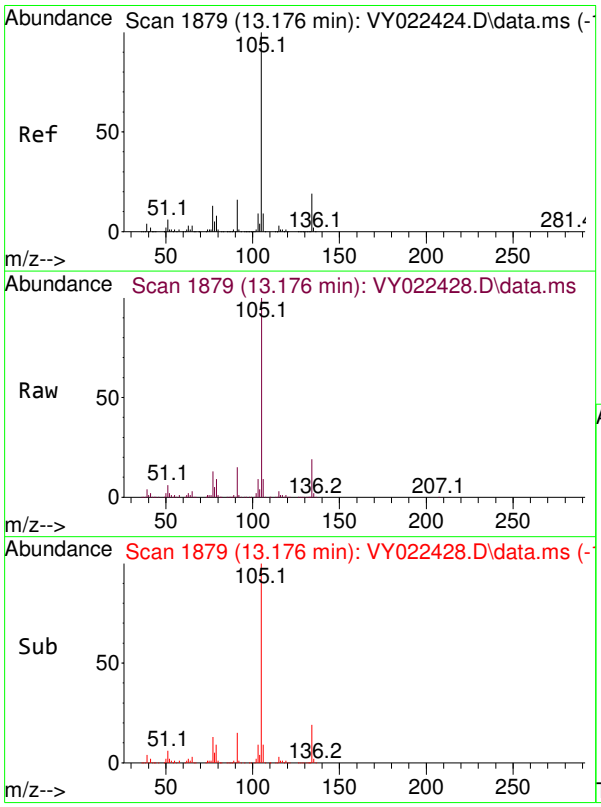


#84
1,2,4-Trimethylbenzene
Concen: 51.325 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:105 Resp: 562945

Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.9	68.5





#85
sec-Butylbenzene
Concen: 51.763 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

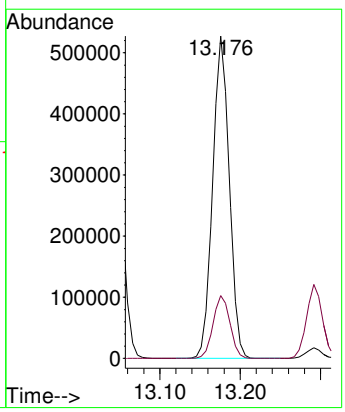
Tgt Ion:105 Resp: 75595

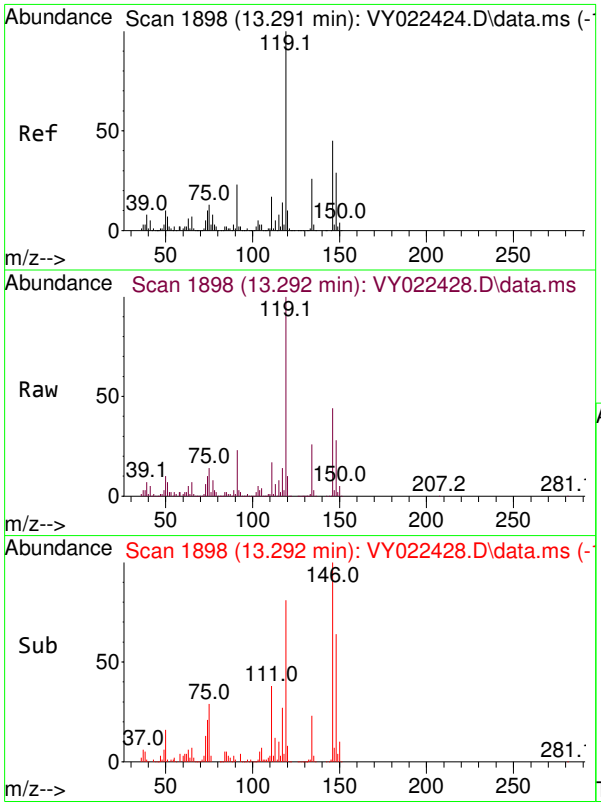
Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.7	29.1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

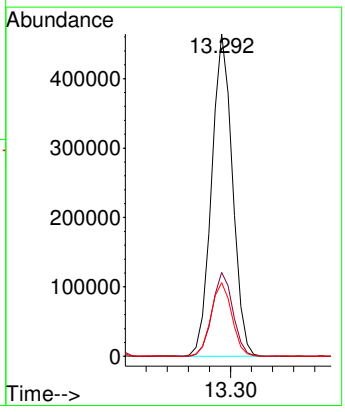


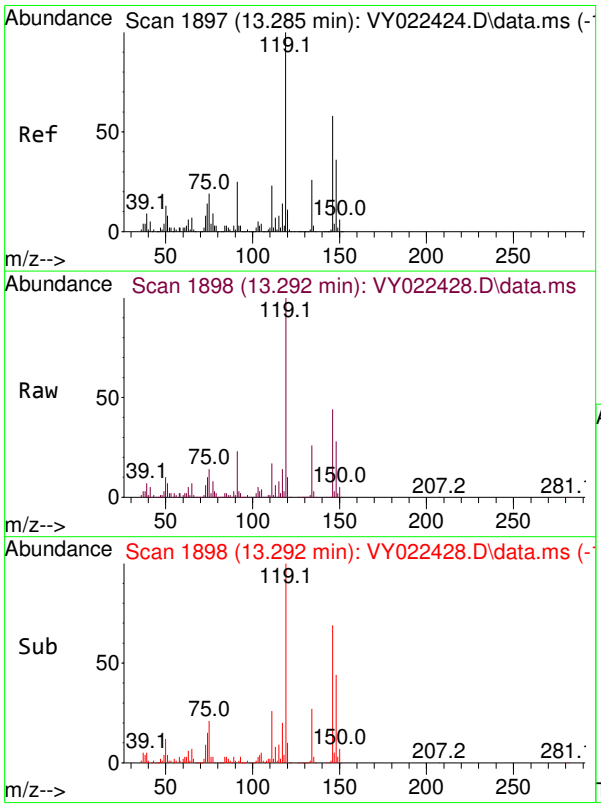


#86
p-Isopropyltoluene
Concen: 52.334 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:119 Resp: 638231

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	39.0
91	22.9	11.6	34.8





#87
1,3-Dichlorobenzene
Concen: 51.396 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

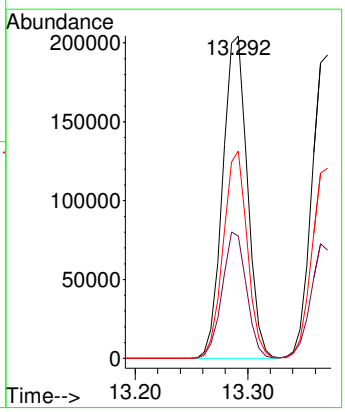
Tgt Ion:146 Resp: 31043

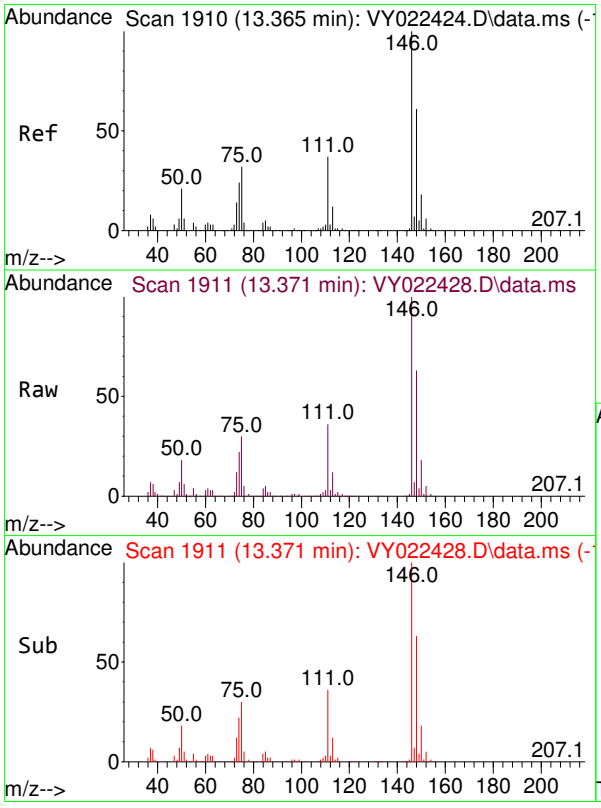
Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.6	58.8
148	62.7	31.7	95.1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

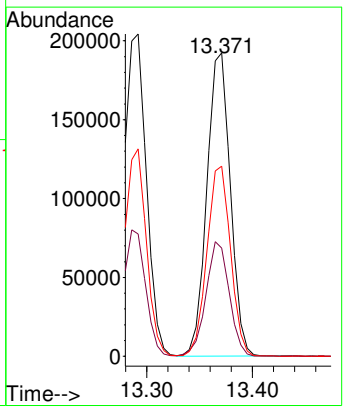


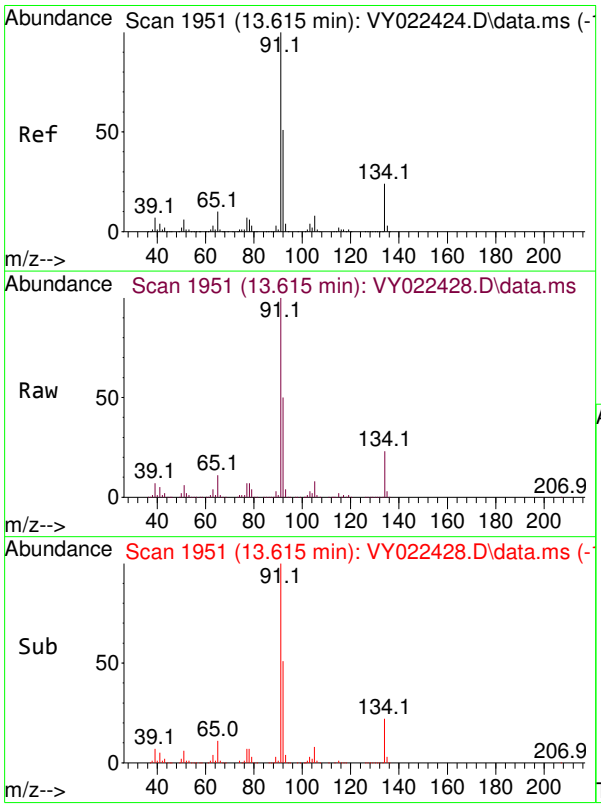


#88
1,4-Dichlorobenzene
Concen: 51.622 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:146 Resp: 298140

Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.7	56.1
148	63.1	31.4	94.3





#89
n-Butylbenzene
Concen: 52.600 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

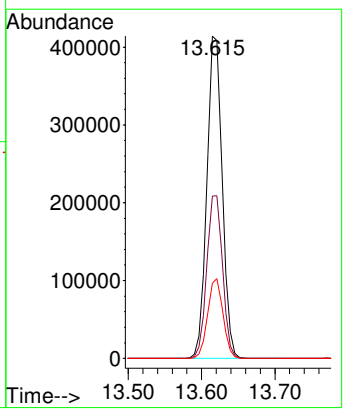
Tgt Ion: 91 Resp: 60145

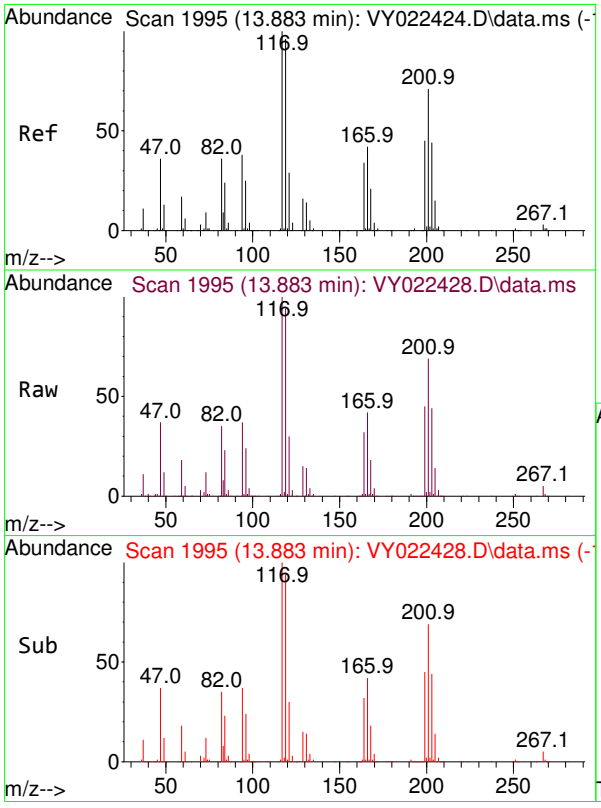
Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.9	77.6
134	24.7	12.4	37.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

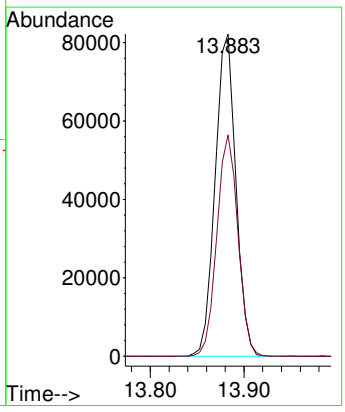


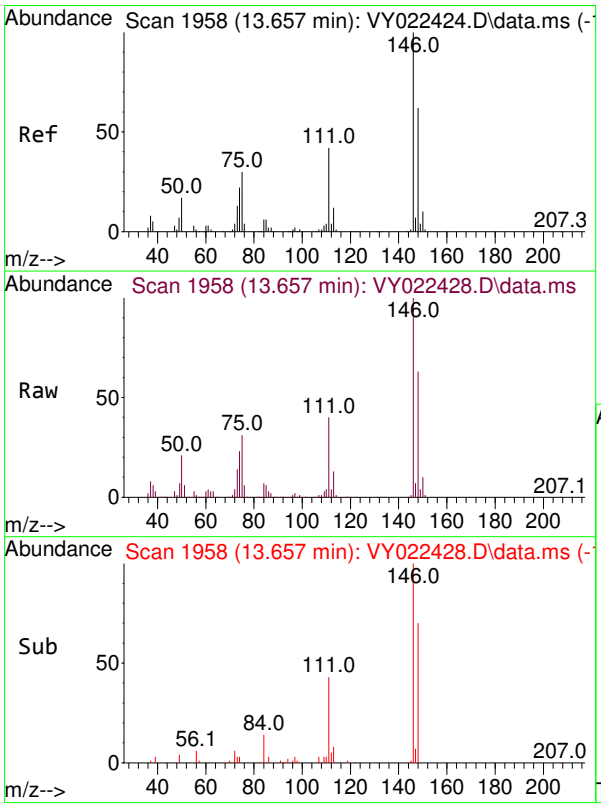


#90
Hexachloroethane
Concen: 51.881 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:117 Resp: 125908

Ion	Ratio	Lower	Upper
117	100		
201	69.7	35.0	105.0





#91
1,2-Dichlorobenzene
Concen: 50.701 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

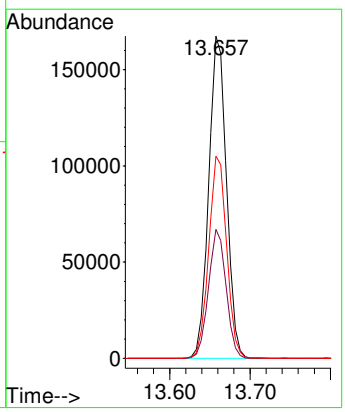
Tgt Ion:146 Resp: 25578

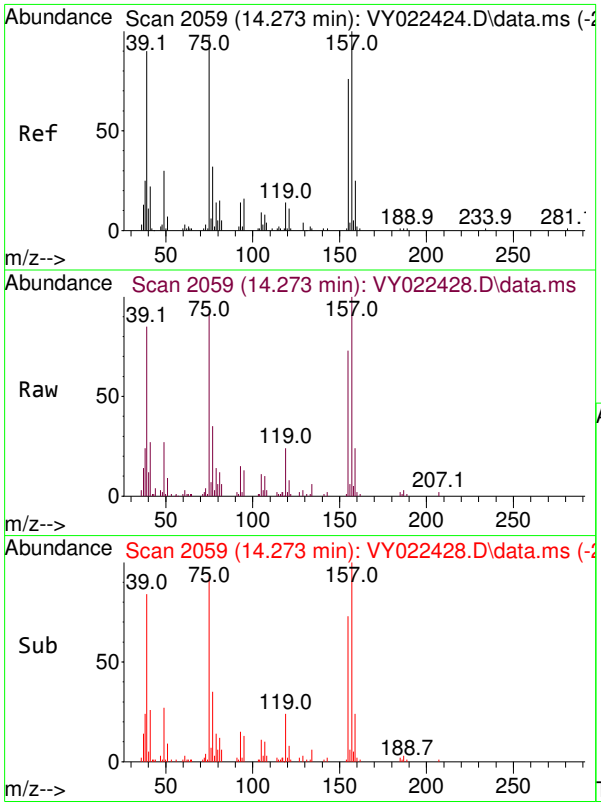
Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.5	61.6
148	63.5	31.9	95.9

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
APPROVED

Reviewed By :Amit Patel 05/28/2025
Supervised By :Mahesh Dadoda 05/28/2025

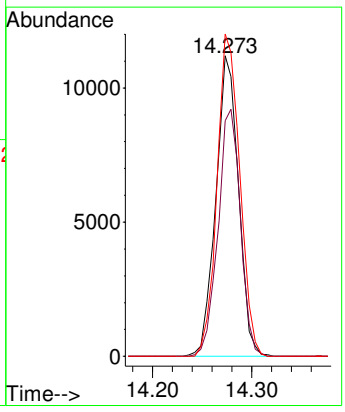


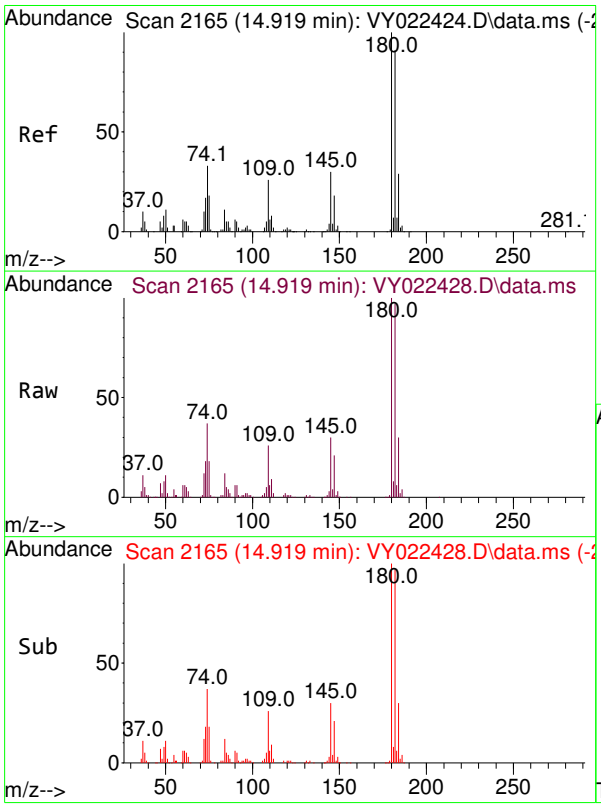


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.462 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion: 75 Resp: 17817

Ion	Ratio	Lower	Upper
75	100		
155	81.1	42.3	126.8
157	108.0	54.4	163.3

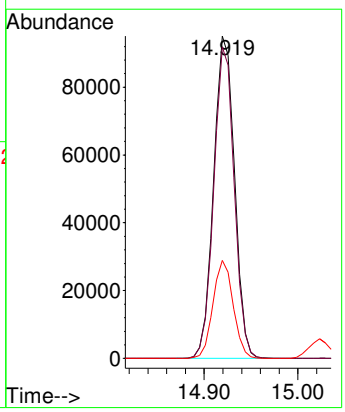




#93
1,2,4-Trichlorobenzene
Concen: 52.407 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:180 Resp: 14657

Ion	Ratio	Lower	Upper
180	100		
182	94.6	46.2	138.6
145	29.4	14.2	42.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
APPROVED

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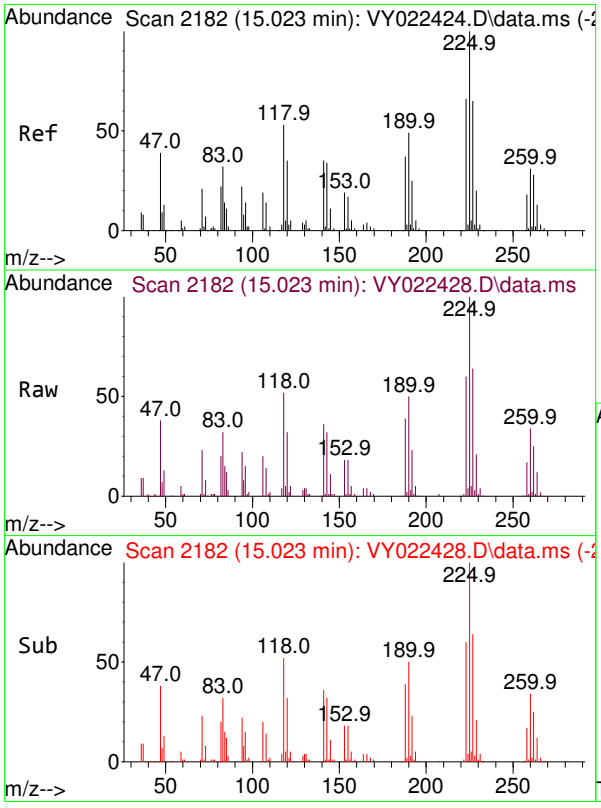
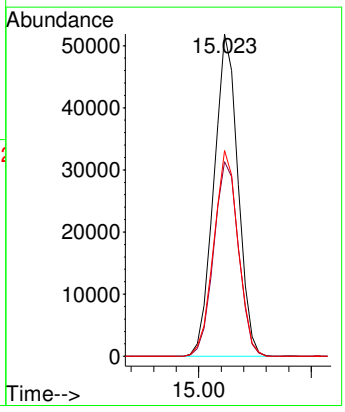
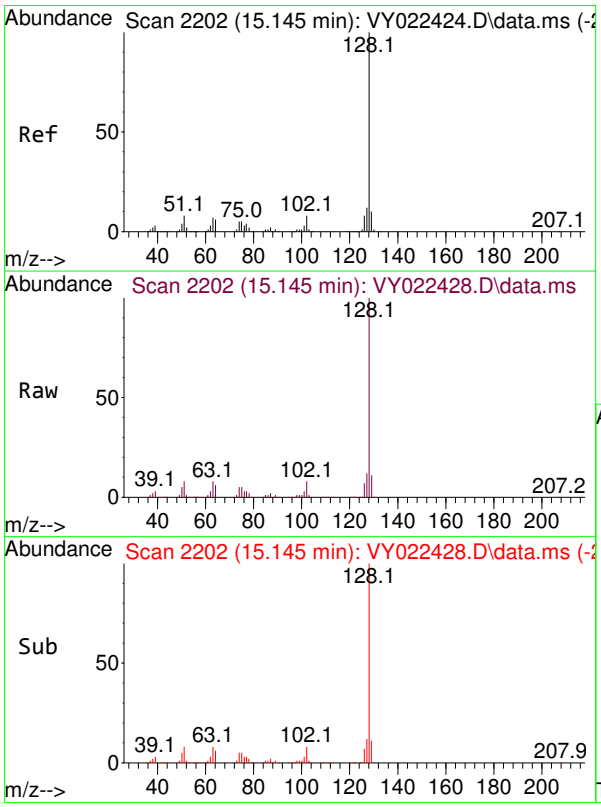


#94
Hexachlorobutadiene
Concen: 52.335 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:225 Resp: 76816

Ion	Ratio	Lower	Upper
225	100		
223	62.3	32.6	97.7
227	64.5	33.0	99.0





#95
Naphthalene
Concen: 54.826 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:128 Resp: 28347

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	10.8	8.5	12.7

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Manual Integrations
APPROVED

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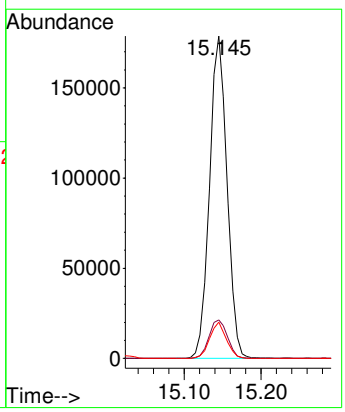
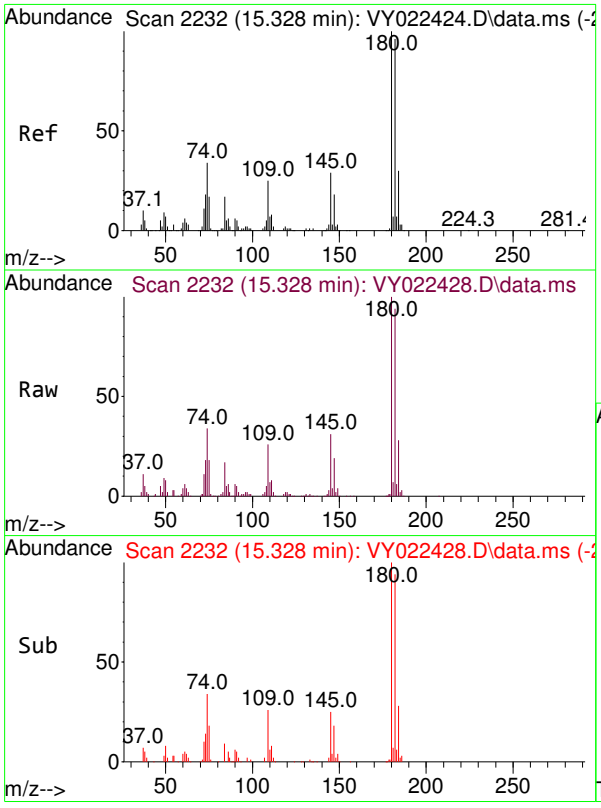
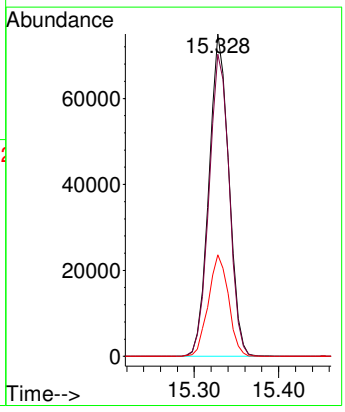




#96
1,2,3-Trichlorobenzene
Concen: 53.900 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022428.D
Acq: 27 May 2025 11:56

Tgt Ion:180 Resp: 123635

Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.1	144.3
145	31.8	14.9	44.5



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022428.D
Acq On : 27 May 2025 11:56
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Quant Time: May 28 10:39:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 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	101	0.00
2	T	Dichlorodifluoromethane	0.477	0.409	14.3	97	0.00
3	P	Chloromethane	1.173	1.356	-15.6	114	0.00
4	C	Vinyl Chloride	1.425	1.492	-4.7#	103	0.00
5	T	Bromomethane	1.295	1.493	-15.3	118	0.00
6	T	Chloroethane	0.931	1.075	-15.5	107	0.00
7	T	Trichlorofluoromethane	1.203	1.345	-11.8	113	0.00
8	T	Diethyl Ether	0.277	0.293	-5.8	107	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.528	0.496	6.1	96	0.00
10	T	Methyl Iodide	0.595	0.581	2.4	91	0.00
11	T	Tert butyl alcohol	0.037	0.043	-16.2	121	0.00
12	CM	1,1-Dichloroethene	0.524	0.509	2.9#	101	0.00
13	T	Acrolein	0.056	0.059	-5.4	106	0.00
14	T	Allyl chloride	0.788	0.815	-3.4	105	0.00
15	T	Acrylonitrile	0.112	0.124	-10.7	112	0.00
16	T	Acetone	0.087	0.100	-14.9	119	0.00
17	T	Carbon Disulfide	1.672	1.666	0.4	102	0.00
18	T	Methyl Acetate	0.324	0.388	-19.8	127	-0.01
19	T	Methyl tert-butyl Ether	1.391	1.486	-6.8	108	0.00
20	T	Methylene Chloride	0.611	0.581	4.9	107	0.00
21	T	trans-1,2-Dichloroethene	0.572	0.588	-2.8	106	0.00
22	T	Diisopropyl ether	1.739	1.789	-2.9	104	0.00
23	T	Vinyl Acetate	0.999	1.049	-5.0	105	0.00
24	P	1,1-Dichloroethane	1.028	1.068	-3.9	105	0.00
25	T	2-Butanone	0.144	0.164	-13.9	117	-0.01
26	T	2,2-Dichloropropane	0.931	0.941	-1.1	103	0.00
27	T	cis-1,2-Dichloroethene	0.662	0.678	-2.4	105	0.00
28	T	Bromochloromethane	0.429	0.450	-4.9	103	0.00
29	T	Tetrahydrofuran	0.096	0.108	-12.5	114	0.00
30	C	Chloroform	1.013	1.041	-2.8#	102	0.00
31	T	Cyclohexane	1.013	0.903	10.9	97	0.00
32	T	1,1,1-Trichloroethane	0.919	0.924	-0.5	102	0.00
33	S	1,2-Dichloroethane-d4	0.527	0.536	-1.7	102	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	101	0.00
35	S	Dibromofluoromethane	0.293	0.298	-1.7	104	0.00
36	T	1,1-Dichloropropene	0.465	0.467	-0.4	102	0.00
37	T	Ethyl Acetate	0.197	0.216	-9.6	109	0.00
38	T	Carbon Tetrachloride	0.484	0.482	0.4	101	0.00
39	T	Methylcyclohexane	0.618	0.595	3.7	98	0.00
40	TM	Benzene	1.383	1.434	-3.7	104	0.00
41	T	Methacrylonitrile	0.120	0.116	3.3	100	-0.03
42	TM	1,2-Dichloroethane	0.365	0.382	-4.7	104	0.00
43	T	Isopropyl Acetate	0.432	0.469	-8.6	108	0.00
44	TM	Trichloroethene	0.342	0.356	-4.1	105	0.00
45	C	1,2-Dichloropropane	0.325	0.331	-1.8#	103	0.00
46	T	Dibromomethane	0.181	0.191	-5.5	106	0.00
47	T	Bromodichloromethane	0.467	0.483	-3.4	105	0.00
48	T	Methyl methacrylate	0.200	0.225	-12.5	114	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022428.D
Acq On : 27 May 2025 11:56
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Quant Time: May 28 10:39:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 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	0.002	0.002	0.0	107	0.00
50	S	Toluene-d8	1.194	1.215	-1.8	104	0.00
51	T	4-Methyl-2-Pentanone	0.213	0.244	-14.6	113	0.00
52	CM	Toluene	0.864	0.912	-5.6#	106	0.00
53	T	t-1,3-Dichloropropene	0.435	0.470	-8.0	109	0.00
54	T	cis-1,3-Dichloropropene	0.511	0.537	-5.1	107	0.00
55	T	1,1,2-Trichloroethane	0.229	0.244	-6.6	107	0.00
56	T	Ethyl methacrylate	0.329	0.369	-12.2	109	0.00
57	T	1,3-Dichloropropane	0.404	0.426	-5.4	106	0.00
58	T	2-Chloroethyl Vinyl ether	0.164	0.170	-3.7	103	0.00
59	T	2-Hexanone	0.140	0.164	-17.1	114	0.00
60	T	Dibromochloromethane	0.293	0.315	-7.5	105	0.00
61	T	1,2-Dibromoethane	0.210	0.227	-8.1	107	0.00
62	S	4-Bromofluorobenzene	0.361	0.366	-1.4	104	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00
64	T	Tetrachloroethene	0.426	0.414	2.8	100	0.00
65	PM	Chlorobenzene	1.066	1.102	-3.4	107	0.00
66	T	1,1,1,2-Tetrachloroethane	0.361	0.370	-2.5	104	0.00
67	C	Ethyl Benzene	1.980	2.018	-1.9#	105	0.00
68	T	m/p-Xylenes	0.751	0.769	-2.4	105	0.00
69	T	o-Xylene	0.705	0.722	-2.4	105	0.00
70	T	Styrene	1.175	1.231	-4.8	106	0.00
71	P	Bromoform	0.189	0.198	-4.8	107	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
73	T	Isopropylbenzene	3.935	3.940	-0.1	106	0.00
74	T	N-amyl acetate	0.963	1.031	-7.1	107	0.00
75	P	1,1,2,2-Tetrachloroethane	0.620	0.661	-6.6	112	0.00
76	T	1,2,3-Trichloropropane	0.501	0.527	-5.2	111	0.00
77	T	Bromobenzene	0.847	0.855	-0.9	104	0.00
78	T	n-propylbenzene	4.723	4.814	-1.9	106	0.00
79	T	2-Chlorotoluene	2.556	2.572	-0.6	106	0.00
80	T	1,3,5-Trimethylbenzene	3.075	3.159	-2.7	107	0.00
81	T	trans-1,4-Dichloro-2-butene	0.221	0.226	-2.3	109	0.00
82	T	4-Chlorotoluene	2.633	2.683	-1.9	106	0.00
83	T	tert-Butylbenzene	2.778	2.851	-2.6	108	0.00
84	T	1,2,4-Trimethylbenzene	3.094	3.176	-2.7	106	0.00
85	T	sec-Butylbenzene	4.120	4.265	-3.5	107	0.00
86	T	p-Isopropyltoluene	3.440	3.601	-4.7	108	0.00
87	T	1,3-Dichlorobenzene	1.704	1.751	-2.8	107	0.00
88	T	1,4-Dichlorobenzene	1.629	1.682	-3.3	106	0.00
89	T	n-Butylbenzene	3.226	3.393	-5.2	106	0.00
90	T	Hexachloroethane	0.685	0.710	-3.6	107	0.00
91	T	1,2-Dichlorobenzene	1.423	1.443	-1.4	106	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.096	0.101	-5.2	112	0.00
93	T	1,2,4-Trichlorobenzene	0.789	0.827	-4.8	104	0.00
94	T	Hexachlorobutadiene	0.414	0.433	-4.6	106	0.00
95	T	Naphthalene	1.459	1.599	-9.6	107	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022428.D
Acq On : 27 May 2025 11:56
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Quant Time: May 28 10:39:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.647	0.698	-7.9	106	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_Y\Data\VY052725\
Data File : VY022428.D
Acq On : 27 May 2025 11:56
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Quant Time: May 28 10:39:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 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	101	0.00
2	T	Dichlorodifluoromethane	50.000	42.867	14.3	97	0.00
3	P	Chloromethane	50.000	57.762	-15.5	114	0.00
4	C	Vinyl Chloride	50.000	52.322	-4.6#	103	0.00
5	T	Bromomethane	50.000	57.634	-15.3	118	0.00
6	T	Chloroethane	50.000	57.677	-15.4	107	0.00
7	T	Trichlorofluoromethane	50.000	55.933	-11.9	113	0.00
8	T	Diethyl Ether	50.000	52.801	-5.6	107	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.001	6.0	96	0.00
10	T	Methyl Iodide	50.000	48.805	2.4	91	0.00
11	T	Tert butyl alcohol	250.000	286.443	-14.6	121	0.00
12	CM	1,1-Dichloroethene	50.000	48.624	2.8#	101	0.00
13	T	Acrolein	250.000	266.723	-6.7	106	0.00
14	T	Allyl chloride	50.000	51.736	-3.5	105	0.00
15	T	Acrylonitrile	250.000	277.887	-11.2	112	0.00
16	T	Acetone	250.000	290.164	-16.1	119	0.00
17	T	Carbon Disulfide	50.000	49.820	0.4	102	0.00
18	T	Methyl Acetate	50.000	59.833	-19.7	127	-0.01
19	T	Methyl tert-butyl Ether	50.000	53.423	-6.8	108	0.00
20	T	Methylene Chloride	50.000	47.566	4.9	107	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.401	-2.8	106	0.00
22	T	Diisopropyl ether	50.000	51.423	-2.8	104	0.00
23	T	Vinyl Acetate	250.000	262.697	-5.1	105	0.00
24	P	1,1-Dichloroethane	50.000	51.958	-3.9	105	0.00
25	T	2-Butanone	250.000	285.123	-14.0	117	-0.01
26	T	2,2-Dichloropropane	50.000	50.556	-1.1	103	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.208	-2.4	105	0.00
28	T	Bromochloromethane	50.000	52.427	-4.9	103	0.00
29	T	Tetrahydrofuran	250.000	280.691	-12.3	114	0.00
30	C	Chloroform	50.000	51.416	-2.8#	102	0.00
31	T	Cyclohexane	50.000	44.566	10.9	97	0.00
32	T	1,1,1-Trichloroethane	50.000	50.290	-0.6	102	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.905	-1.8	102	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	101	0.00
35	S	Dibromofluoromethane	50.000	50.924	-1.8	104	0.00
36	T	1,1-Dichloropropene	50.000	50.295	-0.6	102	0.00
37	T	Ethyl Acetate	50.000	54.775	-9.5	109	0.00
38	T	Carbon Tetrachloride	50.000	49.782	0.4	101	0.00
39	T	Methylcyclohexane	50.000	48.189	3.6	98	0.00
40	TM	Benzene	50.000	51.876	-3.8	104	0.00
41	T	Methacrylonitrile	50.000	48.279	3.4	100	-0.03
42	TM	1,2-Dichloroethane	50.000	52.242	-4.5	104	0.00
43	T	Isopropyl Acetate	50.000	54.305	-8.6	108	0.00
44	TM	Trichloroethene	50.000	52.041	-4.1	105	0.00
45	C	1,2-Dichloropropane	50.000	50.975	-2.0#	103	0.00
46	T	Dibromomethane	50.000	52.586	-5.2	106	0.00
47	T	Bromodichloromethane	50.000	51.745	-3.5	105	0.00
48	T	Methyl methacrylate	50.000	56.276	-12.6	114	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022428.D
Acq On : 27 May 2025 11:56
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Quant Time: May 28 10:39:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 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	1051.366	-5.1	107	0.00
50	S	Toluene-d8	50.000	50.886	-1.8	104	0.00
51	T	4-Methyl-2-Pentanone	250.000	287.032	-14.8	113	0.00
52	CM	Toluene	50.000	52.832	-5.7#	106	0.00
53	T	t-1,3-Dichloropropene	50.000	54.094	-8.2	109	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.618	-5.2	107	0.00
55	T	1,1,2-Trichloroethane	50.000	53.168	-6.3	107	0.00
56	T	Ethyl methacrylate	50.000	55.994	-12.0	109	0.00
57	T	1,3-Dichloropropane	50.000	52.634	-5.3	106	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	259.493	-3.8	103	0.00
59	T	2-Hexanone	250.000	292.964	-17.2	114	0.00
60	T	Dibromochloromethane	50.000	53.666	-7.3	105	0.00
61	T	1,2-Dibromoethane	50.000	54.130	-8.3	107	0.00
62	S	4-Bromofluorobenzene	50.000	50.731	-1.5	104	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	103	0.00
64	T	Tetrachloroethene	50.000	48.564	2.9	100	0.00
65	PM	Chlorobenzene	50.000	51.703	-3.4	107	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.219	-2.4	104	0.00
67	C	Ethyl Benzene	50.000	50.971	-1.9#	105	0.00
68	T	m/p-Xylenes	100.000	102.513	-2.5	105	0.00
69	T	o-Xylene	50.000	51.205	-2.4	105	0.00
70	T	Styrene	50.000	52.397	-4.8	106	0.00
71	P	Bromoform	50.000	52.420	-4.8	107	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	104	0.00
73	T	Isopropylbenzene	50.000	50.060	-0.1	106	0.00
74	T	N-amyl acetate	50.000	53.559	-7.1	107	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	53.303	-6.6	112	0.00
76	T	1,2,3-Trichloropropane	50.000	52.582	-5.2	111	0.00
77	T	Bromobenzene	50.000	50.481	-1.0	104	0.00
78	T	n-propylbenzene	50.000	50.973	-1.9	106	0.00
79	T	2-Chlorotoluene	50.000	50.314	-0.6	106	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.376	-2.8	107	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	51.064	-2.1	109	0.00
82	T	4-Chlorotoluene	50.000	50.944	-1.9	106	0.00
83	T	tert-Butylbenzene	50.000	51.321	-2.6	108	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.325	-2.7	106	0.00
85	T	sec-Butylbenzene	50.000	51.763	-3.5	107	0.00
86	T	p-Isopropyltoluene	50.000	52.334	-4.7	108	0.00
87	T	1,3-Dichlorobenzene	50.000	51.396	-2.8	107	0.00
88	T	1,4-Dichlorobenzene	50.000	51.622	-3.2	106	0.00
89	T	n-Butylbenzene	50.000	52.600	-5.2	106	0.00
90	T	Hexachloroethane	50.000	51.881	-3.8	107	0.00
91	T	1,2-Dichlorobenzene	50.000	50.701	-1.4	106	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.462	-4.9	112	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.407	-4.8	104	0.00
94	T	Hexachlorobutadiene	50.000	52.335	-4.7	106	0.00
95	T	Naphthalene	50.000	54.826	-9.7	107	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022428.D
Acq On : 27 May 2025 11:56
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY052725

Quant Time: May 28 10:39:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 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	53.900	-7.8	106	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: SCAL01

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG No.: Q2161

Instrument ID: MSVOA_Y Calibration Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Calibration Time(s): 11:46 13:39

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

LAB FILE ID: RRF005 = VY022491.D RRF010 = VY022492.D RRF020 = VY022493.D
RRF050 = VY022494.D RRF100 = VY022495.D RRF150 = VY022496.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.433	0.542	0.495	0.413	0.397	0.405	0.448	13
Chloromethane	1.320	1.590	1.431	1.230	1.178	1.185	1.322	12.3
Vinyl Chloride	1.371	1.814	1.647	1.497	1.444	1.432	1.534	10.8
Bromomethane	1.365	1.735	1.705	1.240	1.341	1.436	1.470	13.8
Chloroethane	0.973	1.278	1.198	0.965	0.941	0.964	1.053	13.8
Trichlorofluoromethane	1.135	1.492	1.430	1.224	1.223	1.310	1.302	10.5
1,1,2-Trichlorotrifluoroethane	0.510	0.615	0.572	0.538	0.522	0.534	0.549	7.1
1,1-Dichloroethene	0.469	0.577	0.549	0.518	0.510	0.523	0.524	7
Acetone	0.130	0.119	0.120	0.116	0.105	0.092	0.114	11.6
Carbon Disulfide	1.503	1.870	1.731	1.664	1.638	1.666	1.679	7.2
Methyl tert-butyl Ether	1.307	1.618	1.571	1.470	1.435	1.462	1.477	7.4
Methyl Acetate	0.280	0.408	0.396	0.333	0.301	0.301	0.336	15.9
Methylene Chloride	0.861	0.700	0.637	0.574	0.548	0.550	0.645	18.7
trans-1,2-Dichloroethene	0.522	0.651	0.612	0.571	0.574	0.592	0.587	7.4
1,1-Dichloroethane	0.968	1.193	1.124	1.060	1.051	1.080	1.079	7
Cyclohexane	1.168	1.208	1.098	1.015	0.970	0.988	1.075	9.2
2-Butanone	0.143	0.174	0.178	0.168	0.163	0.157	0.164	7.6
Carbon Tetrachloride	0.415	0.516	0.497	0.508	0.508	0.537	0.497	8.5
cis-1,2-Dichloroethene	0.592	0.731	0.706	0.682	0.668	0.691	0.678	7
Bromochloromethane	0.470	0.477	0.479	0.454	0.469	0.474	0.471	1.9
Chloroform	0.960	1.183	1.109	1.058	1.043	1.062	1.069	6.9
1,1,1-Trichloroethane	0.819	1.029	0.970	0.948	0.951	0.977	0.949	7.4
Methylcyclohexane	0.568	0.674	0.645	0.657	0.664	0.698	0.651	6.9
Benzene	1.213	1.487	1.473	1.441	1.452	1.518	1.431	7.7
1,2-Dichloroethane	0.320	0.424	0.413	0.390	0.395	0.401	0.391	9.4
Trichloroethene	0.294	0.388	0.353	0.355	0.350	0.358	0.350	8.7
1,2-Dichloropropane	0.274	0.364	0.354	0.344	0.344	0.349	0.338	9.6
Bromodichloromethane	0.380	0.525	0.499	0.491	0.491	0.508	0.482	10.7
4-Methyl-2-Pentanone	0.175	0.242	0.246	0.243	0.244	0.246	0.233	12.1
Toluene	0.732	0.932	0.904	0.903	0.933	0.990	0.899	9.8

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

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: SCAL01

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG No.: Q2161

Instrument ID: MSVOA_Y Calibration Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Calibration Time(s): 11:46 13:39

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

LAB FILE ID: RRF005 = VY022491.D RRF010 = VY022492.D RRF020 = VY022493.D
RRF050 = VY022494.D RRF100 = VY022495.D RRF150 = VY022496.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.350	0.468	0.476	0.461	0.468	0.487	0.452	11.2
cis-1,3-Dichloropropene	0.423	0.549	0.545	0.537	0.544	0.558	0.526	9.7
1,1,2-Trichloroethane	0.207	0.257	0.258	0.242	0.243	0.249	0.243	7.7
2-Hexanone	0.120	0.158	0.166	0.162	0.165	0.162	0.156	11.3
Dibromochloromethane	0.248	0.320	0.325	0.314	0.319	0.323	0.308	9.6
1,2-Dibromoethane	0.174	0.236	0.239	0.223	0.225	0.230	0.221	10.9
Tetrachloroethene	0.375	0.474	0.448	0.437	0.416	0.432	0.430	7.7
Chlorobenzene	0.949	1.170	1.102	1.116	1.120	1.182	1.106	7.5
Ethyl Benzene	1.655	2.090	2.006	2.083	2.148	2.332	2.052	10.9
m/p-Xylenes	0.616	0.780	0.765	0.785	0.822	0.899	0.778	11.9
o-Xylene	0.583	0.749	0.721	0.734	0.764	0.826	0.729	11
Styrene	0.909	1.195	1.189	1.233	1.291	1.417	1.206	13.9
Bromoform	0.161	0.209	0.200	0.201	0.206	0.214	0.198	9.7
Isopropylbenzene	3.470	4.308	4.090	4.136	4.167	4.460	4.105	8.3
1,1,2,2-Tetrachloroethane	0.570	0.738	0.692	0.682	0.671	0.689	0.674	8.3
1,3-Dichlorobenzene	1.514	1.783	1.730	1.733	1.809	1.963	1.755	8.3
1,4-Dichlorobenzene	1.508	1.814	1.733	1.701	1.677	1.781	1.702	6.3
1,2-Dichlorobenzene	1.246	1.582	1.547	1.512	1.490	1.564	1.490	8.3
1,2-Dibromo-3-Chloropropane	0.074	0.110	0.103	0.105	0.098	0.099	0.098	12.7
1,2,4-Trichlorobenzene	0.667	0.863	0.812	0.817	0.851	0.865	0.813	9.2
1,2,3-Trichlorobenzene	0.622	0.721	0.712	0.699	0.710	0.714	0.697	5.3
1,2-Dichloroethane-d4	0.523	0.574	0.556	0.591	0.552	0.559	0.559	4.1
Dibromofluoromethane	0.264	0.283	0.301	0.321	0.307	0.315	0.298	7.2
Toluene-d8	1.067	1.181	1.158	1.279	1.253	1.298	1.206	7.2
4-Bromofluorobenzene	0.339	0.339	0.347	0.372	0.373	0.386	0.359	5.6

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

Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y060225S.M
Title : SW846 8260
Last Update : Tue Jun 03 03:22:04 2025
Response Via : Initial Calibration

Calibration Files
5 =VY022491.D 10 =VY022492.D 20 =VY022493.D 50 =VY022494.D 100 =VY022495.D 150 =VY022496.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.433	0.542	0.495	0.413	0.397	0.405	0.448	13.03
3)	P	Chloromethane	1.320	1.590	1.431	1.230	1.178	1.185	1.322	12.28
4)	C	Vinyl Chloride	1.371	1.814	1.647	1.497	1.444	1.432	1.534	10.82#
5)	T	Bromomethane	1.365	1.735	1.705	1.240	1.341	1.436	1.470	13.82
6)	T	Chloroethane	0.973	1.278	1.198	0.965	0.941	0.964	1.053	13.84
7)	T	Trichlorofluor...	1.135	1.492	1.430	1.224	1.223	1.310	1.302	10.47
8)	T	Diethyl Ether	0.258	0.335	0.315	0.291	0.279	0.283	0.293	9.35
9)	T	1,1,2-Trichlor...	0.510	0.615	0.572	0.538	0.522	0.534	0.549	7.08
10)	T	Methyl Iodide	0.456	0.606	0.609	0.644	0.632	0.616	0.594	11.60
11)	T	Tert butyl alc...	0.034	0.046	0.045	0.039	0.038	0.038	0.040	11.73
12)	CM	1,1-Dichloroet...	0.469	0.577	0.549	0.518	0.510	0.523	0.524	6.96#
13)	T	Acrolein	0.056	0.046	0.053	0.048	0.050	0.046	0.050	8.21
14)	T	Allyl chloride	0.751	0.911	0.850	0.806	0.804	0.817	0.823	6.51
15)	T	Acrylonitrile	0.106	0.138	0.133	0.126	0.122	0.120	0.124	8.94
16)	T	Acetone	0.130	0.119	0.120	0.116	0.105	0.092	0.114	11.55
17)	T	Carbon Disulfide	1.503	1.870	1.731	1.664	1.638	1.666	1.679	7.17
18)	T	Methyl Acetate	0.280	0.408	0.396	0.333	0.301	0.301	0.336	15.94
19)	T	Methyl tert-bu...	1.307	1.618	1.571	1.470	1.435	1.462	1.477	7.39
20)	T	Methylene Chlo...	0.861	0.700	0.637	0.574	0.548	0.550	0.645	18.74
21)	T	trans-1,2-Dich...	0.522	0.651	0.612	0.571	0.574	0.592	0.587	7.39
22)	T	Diisopropyl ether	1.616	1.984	1.933	1.818	1.800	1.842	1.832	6.96
23)	T	Vinyl Acetate	0.910	1.143	1.145	1.083	1.099	1.126	1.084	8.20
24)	P	1,1-Dichloroet...	0.968	1.193	1.124	1.060	1.051	1.080	1.079	7.00
25)	T	2-Butanone	0.143	0.174	0.178	0.168	0.163	0.157	0.164	7.62
26)	T	2,2-Dichloropr...	0.836	1.032	0.972	0.947	0.953	0.982	0.954	6.84
27)	T	cis-1,2-Dichlo...	0.592	0.731	0.706	0.682	0.668	0.691	0.678	6.98
28)	T	Bromochloromet...	0.470	0.477	0.479	0.454	0.469	0.474	0.471	1.86
29)	T	Tetrahydrofuran	0.093	0.118	0.114	0.104	0.103	0.101	0.106	8.60
30)	C	Chloroform	0.960	1.183	1.109	1.058	1.043	1.062	1.069	6.93#
31)	T	Cyclohexane	1.168	1.208	1.098	1.015	0.970	0.988	1.075	9.22
32)	T	1,1,1-Trichlor...	0.819	1.029	0.970	0.948	0.951	0.977	0.949	7.36
33)	S	1,2-Dichloroet...	0.523	0.574	0.556	0.591	0.552	0.559	0.559	4.10
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.264	0.283	0.301	0.321	0.307	0.315	0.298	7.22
36)	T	1,1-Dichloropr...	0.416	0.512	0.492	0.486	0.490	0.510	0.484	7.30
37)	T	Ethyl Acetate	0.181	0.217	0.231	0.229	0.221	0.216	0.216	8.41
38)	T	Carbon Tetrach...	0.415	0.516	0.497	0.508	0.508	0.537	0.497	8.49
39)	T	Methylcyclohexane	0.568	0.674	0.645	0.657	0.664	0.698	0.651	6.85
40)	TM	Benzene	1.213	1.487	1.473	1.441	1.452	1.518	1.431	7.67
41)	T	Methacrylonitrile	0.119	0.123	0.132	0.125	0.135	0.124	0.126	4.74
42)	TM	1,2-Dichloroet...	0.320	0.424	0.413	0.390	0.395	0.401	0.391	9.39
43)	T	Isopropyl Acetate	0.377	0.497	0.499	0.478	0.475	0.474	0.467	9.72
44)	TM	Trichloroethene	0.294	0.388	0.353	0.355	0.350	0.358	0.350	8.73
45)	C	1,2-Dichloropr...	0.274	0.364	0.354	0.344	0.344	0.349	0.338	9.61#
46)	T	Dibromomethane	0.158	0.199	0.201	0.193	0.192	0.197	0.190	8.46
47)	T	Bromodichlorom...	0.380	0.525	0.499	0.491	0.491	0.508	0.482	10.71
48)	T	Methyl methacr...	0.183	0.220	0.234	0.222	0.226	0.229	0.219	8.29
49)	T	1,4-Dioxane	0.002	0.002	0.003	0.002	0.002	0.002	0.002	9.33
50)	S	Toluene-d8	1.067	1.181	1.158	1.279	1.253	1.298	1.206	7.25
51)	T	4-Methyl-2-Pen...	0.175	0.242	0.246	0.243	0.244	0.246	0.233	12.13
52)	CM	Toluene	0.732	0.932	0.904	0.903	0.933	0.990	0.899	9.76#
53)	T	t-1,3-Dichloro...	0.350	0.468	0.476	0.461	0.468	0.487	0.452	11.20
54)	T	cis-1,3-Dichlo...	0.423	0.549	0.545	0.537	0.544	0.558	0.526	9.67
55)	T	1,1,2-Trichlor...	0.207	0.257	0.258	0.242	0.243	0.249	0.243	7.73
56)	T	Ethyl methacry...	0.257	0.357	0.370	0.363	0.373	0.383	0.351	13.32

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y060225S.M

57)	T	1,3-Dichloropr...	0.358	0.462	0.448	0.435	0.434	0.443	0.430	8.57
58)	T	2-Chloroethyl ...	0.137	0.143	0.160	0.159	0.174	0.181	0.159	10.80
59)	T	2-Hexanone	0.120	0.158	0.166	0.162	0.165	0.162	0.156	11.34
60)	T	Dibromochlorom...	0.248	0.320	0.325	0.314	0.319	0.323	0.308	9.61
61)	T	1,2-Dibromoethane	0.174	0.236	0.239	0.223	0.225	0.230	0.221	10.87
62)	S	4-Bromofluorob...	0.339	0.339	0.347	0.372	0.373	0.386	0.359	5.62
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.375	0.474	0.448	0.437	0.416	0.432	0.430	7.66
65)	PM	Chlorobenzene	0.949	1.170	1.102	1.116	1.120	1.182	1.106	7.54
66)	T	1,1,1,2-Tetrac...	0.291	0.383	0.379	0.379	0.385	0.419	0.373	11.51
67)	C	Ethyl Benzene	1.655	2.090	2.006	2.083	2.148	2.332	2.052	10.90#
68)	T	m/p-Xylenes	0.616	0.780	0.765	0.785	0.822	0.899	0.778	11.94
69)	T	o-Xylene	0.583	0.749	0.721	0.734	0.764	0.826	0.729	11.05
70)	T	Styrene	0.909	1.195	1.189	1.233	1.291	1.417	1.206	13.93
71)	P	Bromoform	0.161	0.209	0.200	0.201	0.206	0.214	0.198	9.68
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.470	4.308	4.090	4.136	4.167	4.460	4.105	8.26
74)	T	N-amyl acetate	0.754	1.078	1.081	1.072	1.103	1.127	1.036	13.49
75)	P	1,1,2,2-Tetrac...	0.570	0.738	0.692	0.682	0.671	0.689	0.674	8.25
76)	T	1,2,3-Trichlor...	0.585	0.610	0.582	0.630	0.511	0.514	0.572	8.62
77)	T	Bromobenzene	0.723	0.924	0.890	0.868	0.867	0.925	0.866	8.63
78)	T	n-propylbenzene	4.424	5.221	4.962	5.067	5.051	5.357	5.014	6.40
79)	T	2-Chlorotoluene	2.378	2.742	2.653	2.676	2.666	2.828	2.657	5.71
80)	T	1,3,5-Trimethy...	2.748	3.317	3.240	3.260	3.275	3.497	3.223	7.77
81)	T	trans-1,4-Dich...	0.203	0.255	0.241	0.234	0.241	0.247	0.237	7.60
82)	T	4-Chlorotoluene	2.386	2.865	2.677	2.775	2.784	2.960	2.741	7.23
83)	T	tert-Butylbenzene	2.444	2.979	2.900	2.899	2.952	3.181	2.893	8.41
84)	T	1,2,4-Trimethy...	2.719	3.307	3.189	3.220	3.304	3.599	3.223	8.89
85)	T	sec-Butylbenzene	3.877	4.652	4.352	4.466	4.488	4.746	4.430	6.89
86)	T	p-Isopropyltol...	3.038	3.638	3.591	3.655	3.824	4.163	3.652	10.04
87)	T	1,3-Dichlorobe...	1.514	1.783	1.730	1.733	1.809	1.963	1.755	8.29
88)	T	1,4-Dichlorobe...	1.508	1.814	1.733	1.701	1.677	1.781	1.702	6.34
89)	T	n-Butylbenzene	2.956	3.551	3.459	3.534	3.537	3.750	3.464	7.72
90)	T	Hexachloroethane	0.632	0.745	0.712	0.716	0.709	0.751	0.711	6.01
91)	T	1,2-Dichlorobe...	1.246	1.582	1.547	1.512	1.490	1.564	1.490	8.35
92)	T	1,2-Dibromo-3-...	0.074	0.110	0.103	0.105	0.098	0.099	0.098	12.72
93)	T	1,2,4-Trichlor...	0.667	0.863	0.812	0.817	0.851	0.865	0.813	9.20
94)	T	Hexachlorobuta...	0.440	0.480	0.441	0.447	0.441	0.442	0.449	3.46
95)	T	Naphthalene	1.187	1.604	1.614	1.620	1.663	1.670	1.560	11.84
96)	T	1,2,3-Trichlor...	0.622	0.721	0.712	0.699	0.710	0.714	0.697	5.33

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022491.D
Acq On : 02 Jun 2025 11:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:52:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.713	168	201089	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.622	114	353755	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	289394	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	127807	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.067	65	10508	4.802	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	9.600%#			
35) Dibromofluoromethane	7.646	113	9323	4.477	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	8.960%#			
50) Toluene-d8	10.109	98	37729	4.482	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	8.960%#			
62) 4-Bromofluorobenzene	12.408	95	11988	4.697	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	9.400%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	8717	4.961	ug/l		99
3) Chloromethane	2.068	50	26535	5.119	ug/l		98
4) Vinyl Chloride	2.208	62	27572	4.544	ug/l		98
5) Bromomethane	2.598	94	27457	4.784	ug/l		98
6) Chloroethane	2.739	64	19566	4.710	ug/l		95
7) Trichlorofluoromethane	3.062	101	22825	4.428	ug/l		92
8) Diethyl Ether	3.464	74	5184	4.553	ug/l		92
9) 1,1,2-Trichlorotrifluo...	3.824	101	10259	4.744	ug/l		97
10) Methyl Iodide	4.007	142	9174	3.956	ug/l	#	95
11) Tert butyl alcohol	4.891	59	3374	21.587	ug/l	#	88
12) 1,1-Dichloroethene	3.799	96	9440	4.573	ug/l		97
13) Acrolein	3.671	56	5656	29.646	ug/l		95
14) Allyl chloride	4.391	41	15096	4.693	ug/l		98
15) Acrylonitrile	5.080	53	10667	22.026	ug/l		97
16) Acetone	3.885	43	13023	30.108	ug/l	#	87
17) Carbon Disulfide	4.110	76	30222	4.586	ug/l		99
18) Methyl Acetate	4.397	43	5630	4.327	ug/l		96
19) Methyl tert-butyl Ether	5.122	73	26276	4.562	ug/l		97
20) Methylene Chloride	4.622	84	17312	7.168	ug/l		89
21) trans-1,2-Dichloroethene	5.116	96	10489	4.549	ug/l		86
22) Diisopropyl ether	6.037	45	32497	4.544	ug/l		95
23) Vinyl Acetate	5.970	43	91478	21.559	ug/l		98
24) 1,1-Dichloroethane	5.921	63	19460	4.603	ug/l		97
25) 2-Butanone	6.909	43	14423	22.605	ug/l		95
26) 2,2-Dichloropropane	6.896	77	16805	4.471	ug/l		99
27) cis-1,2-Dichloroethene	6.896	96	11906	4.467	ug/l		98
28) Bromochloromethane	7.250	49	9453	5.175	ug/l		100
29) Tetrahydrofuran	7.274	42	9377	22.781	ug/l		95
30) Chloroform	7.427	83	19302	4.620	ug/l		87
31) Cyclohexane	7.707	56	23482	5.519	ug/l	#	90
32) 1,1,1-Trichloroethane	7.628	97	16476	4.413	ug/l		98
36) 1,1-Dichloropropene	7.841	75	14700	4.367	ug/l		99
37) Ethyl Acetate	6.994	43	6409m	4.326	ug/l		
38) Carbon Tetrachloride	7.823	117	14691	4.233	ug/l		95
39) Methylcyclohexane	9.109	83	20076	4.415	ug/l		95
40) Benzene	8.085	78	42926	4.326	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022491.D
Acq On : 02 Jun 2025 11:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:52:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.232	41	4192	4.394 ug/l #	89
42) 1,2-Dichloroethane	8.164	62	11332	4.198 ug/l	99
43) Isopropyl Acetate	8.207	43	13330	4.117 ug/l	95
44) Trichloroethene	8.872	130	10404	4.292 ug/l	79
45) 1,2-Dichloropropane	9.146	63	9678	4.091 ug/l	100
46) Dibromomethane	9.244	93	5596	4.223 ug/l	95
47) Bromodichloromethane	9.433	83	13448	3.999 ug/l	96
48) Methyl methacrylate	9.225	41	6483	4.374 ug/l	91
49) 1,4-Dioxane	9.231	88	1356m	85.767 ug/l	
51) 4-Methyl-2-Pentanone	10.000	43	30969	19.273 ug/l	98
52) Toluene	10.170	92	25893	4.150 ug/l	99
53) t-1,3-Dichloropropene	10.396	75	12388	3.982 ug/l	91
54) cis-1,3-Dichloropropene	9.859	75	14966	4.103 ug/l	100
55) 1,1,2-Trichloroethane	10.579	97	7318	4.385 ug/l	98
56) Ethyl methacrylate	10.445	69	9092	3.751 ug/l	94
57) 1,3-Dichloropropane	10.719	76	12648	4.255 ug/l	98
58) 2-Chloroethyl Vinyl ether	9.719	63	24214	22.409 ug/l	97
59) 2-Hexanone	10.768	43	21243	19.832 ug/l	94
60) Dibromochloromethane	10.914	129	8781	4.152 ug/l	94
61) 1,2-Dibromoethane	11.018	107	6146	3.991 ug/l	100
64) Tetrachloroethene	10.652	164	10863	4.417 ug/l	95
65) Chlorobenzene	11.444	112	27467	4.377 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	8422	3.959 ug/l	94
67) Ethyl Benzene	11.524	91	47883	4.098 ug/l	96
68) m/p-Xylenes	11.627	106	35645	8.060 ug/l	99
69) o-Xylene	11.956	106	16866	4.075 ug/l	95
70) Styrene	11.975	104	26313	3.840 ug/l	99
71) Bromoform	12.133	173	4649	4.159 ug/l #	97
73) Isopropylbenzene	12.255	105	44350	4.307 ug/l	100
74) N-amyl acetate	12.072	43	9632	3.699 ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	7289	4.359 ug/l	96
76) 1,2,3-Trichloropropane	12.560	75	7478m	4.432 ug/l	
77) Bromobenzene	12.536	156	9241	4.234 ug/l	95
78) n-propylbenzene	12.597	91	56543	4.511 ug/l	98
79) 2-Chlorotoluene	12.682	91	30387	4.591 ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	35122	4.362 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	2596	4.411 ug/l	96
82) 4-Chlorotoluene	12.780	91	30501	4.447 ug/l	99
83) tert-Butylbenzene	12.999	119	31232	4.252 ug/l	96
84) 1,2,4-Trimethylbenzene	13.042	105	34752	4.314 ug/l	100
85) sec-Butylbenzene	13.176	105	49546	4.449 ug/l	99
86) p-Isopropyltoluene	13.292	119	38822	4.240 ug/l	98
87) 1,3-Dichlorobenzene	13.292	146	19350	4.431 ug/l	97
88) 1,4-Dichlorobenzene	13.371	146	19268	4.529 ug/l	91
89) n-Butylbenzene	13.615	91	37774	4.333 ug/l	100
90) Hexachloroethane	13.883	117	8072	4.506 ug/l	98
91) 1,2-Dichlorobenzene	13.664	146	15922	4.244 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	949	3.754 ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	8529	4.159 ug/l	95
94) Hexachlorobutadiene	15.023	225	5627	5.024 ug/l	98
95) Naphthalene	15.145	128	15167	3.859 ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	7952	4.563 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022491.D
Acq On : 02 Jun 2025 11:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:52:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

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

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

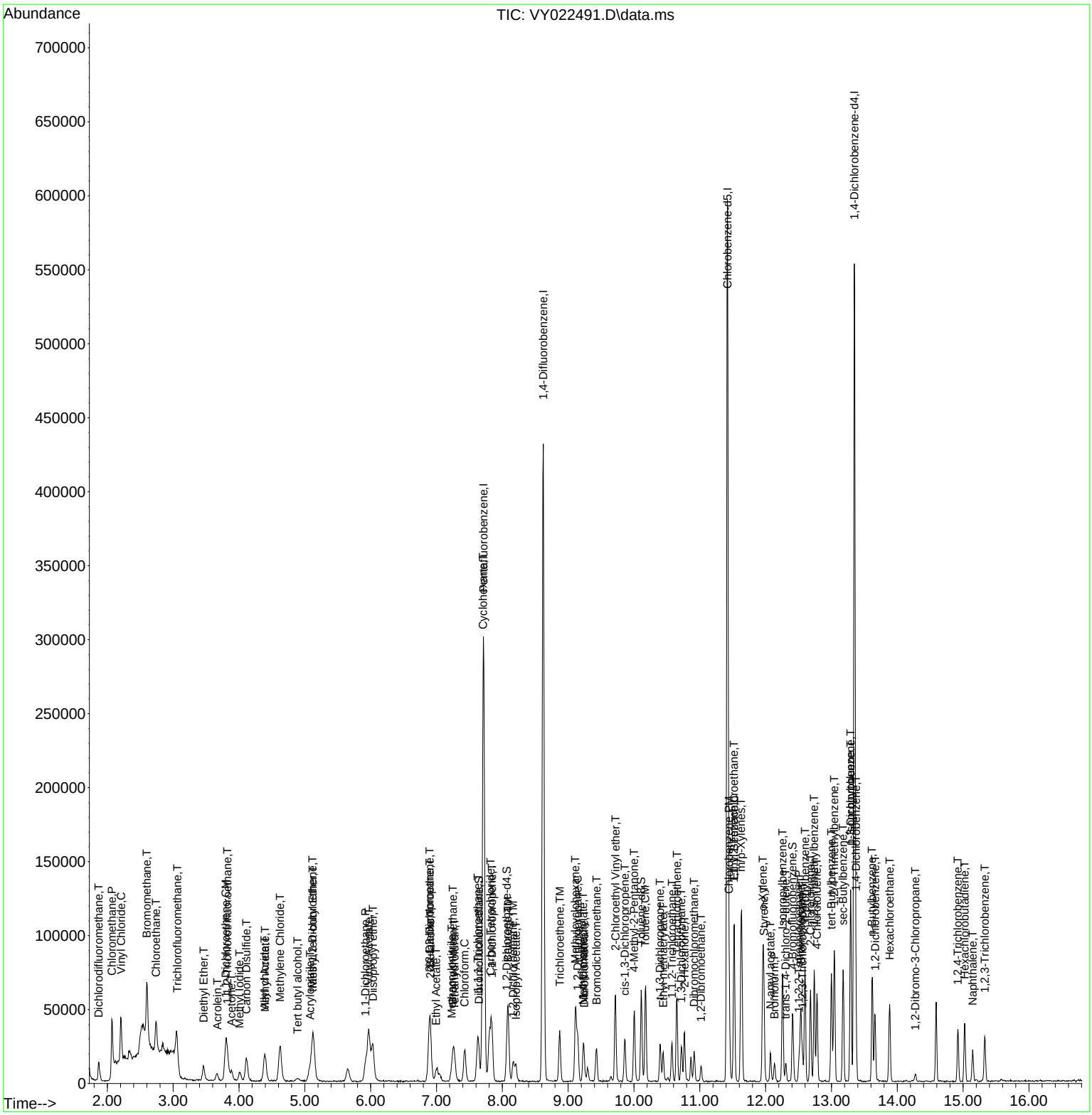
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022491.D
Acq On : 02 Jun 2025 11:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

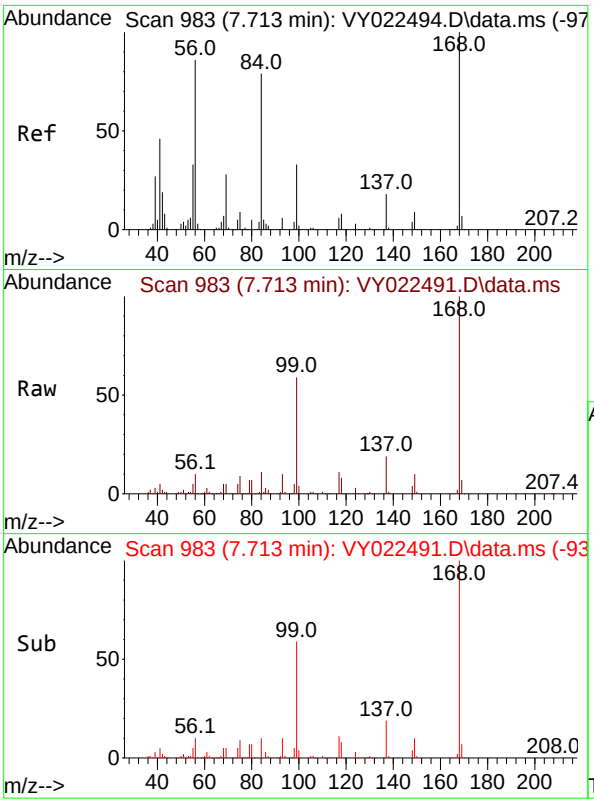
Quant Time: Jun 03 02:52:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

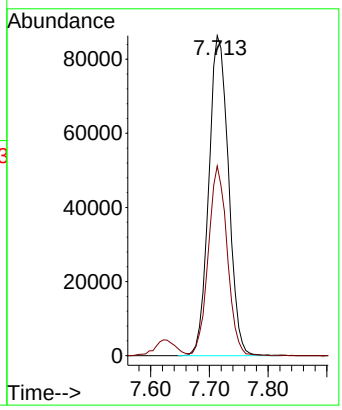




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:168 Resp: 20108

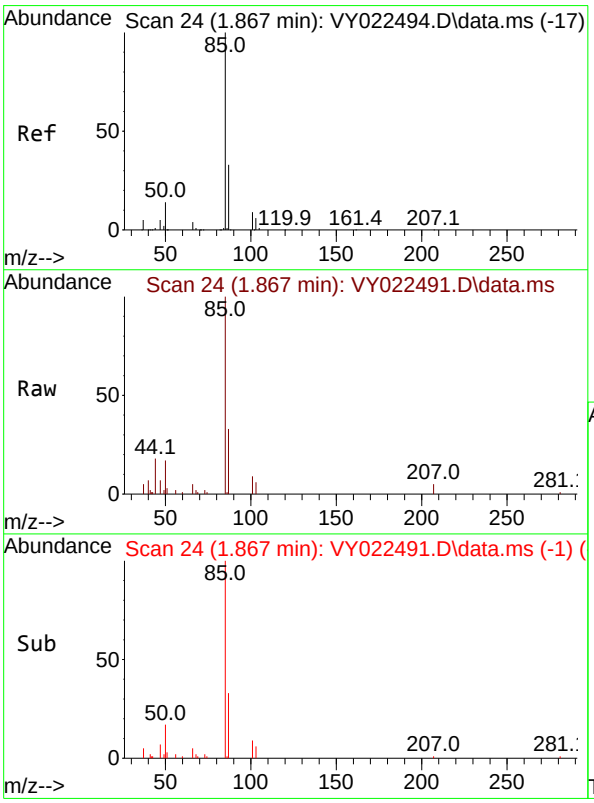
Ion	Ratio	Lower	Upper
168	100		
99	59.3	44.3	66.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

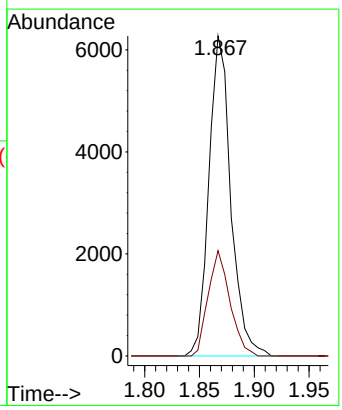
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

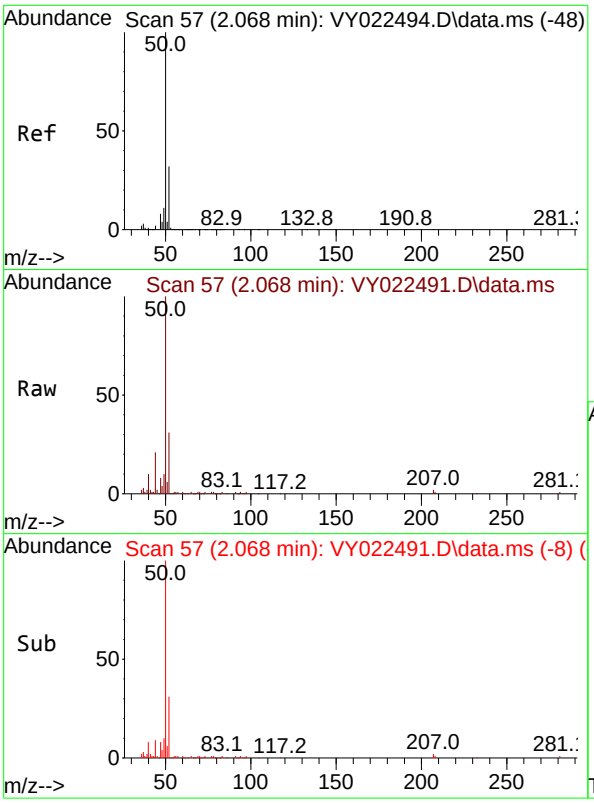


#2
Dichlorodifluoromethane
Concen: 4.961 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 85 Resp: 8717

Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.7	50.0

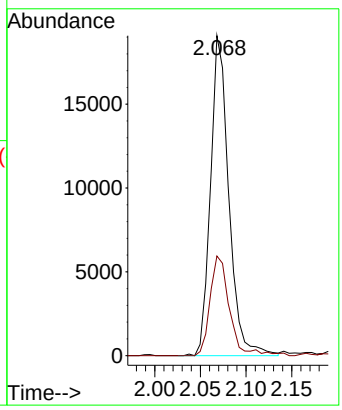




#3
Chloromethane
Concen: 5.119 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 50 Resp: 2653

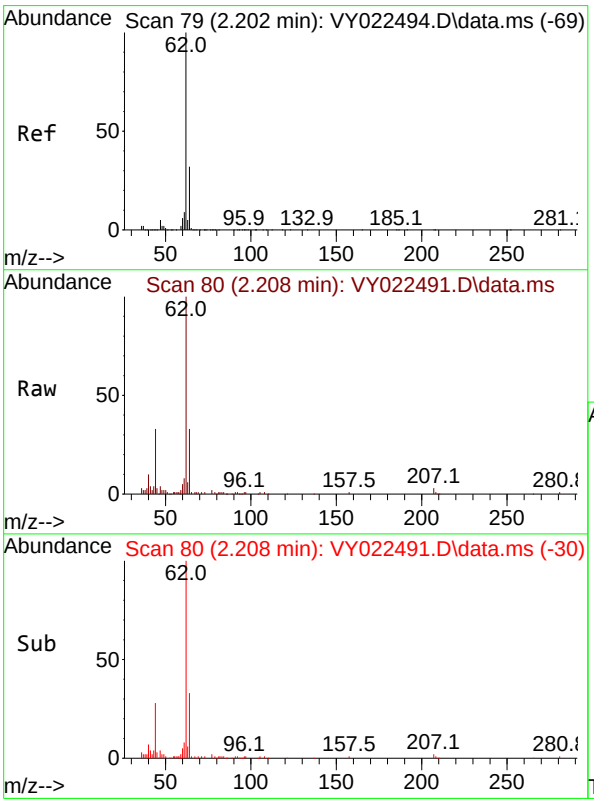
Ion	Ratio	Lower	Upper
50	100		
52	31.1	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

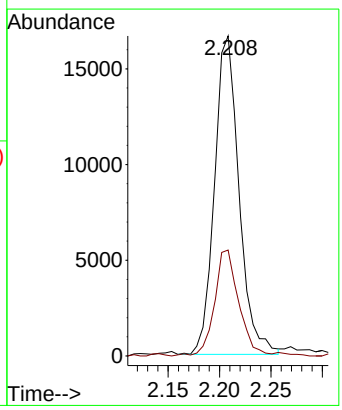
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

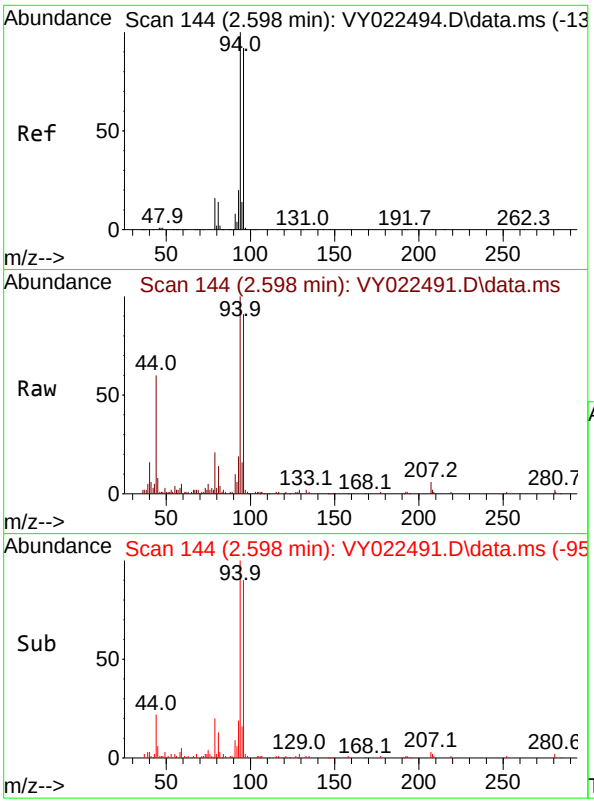


#4
Vinyl Chloride
Concen: 4.544 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 62 Resp: 27572

Ion	Ratio	Lower	Upper
62	100		
64	32.9	25.3	37.9





#5
Bromomethane
Concen: 4.784 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

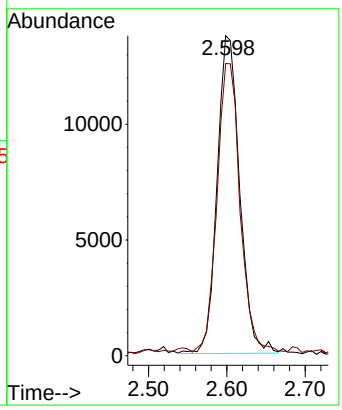
Tgt Ion: 94 Resp: 2745

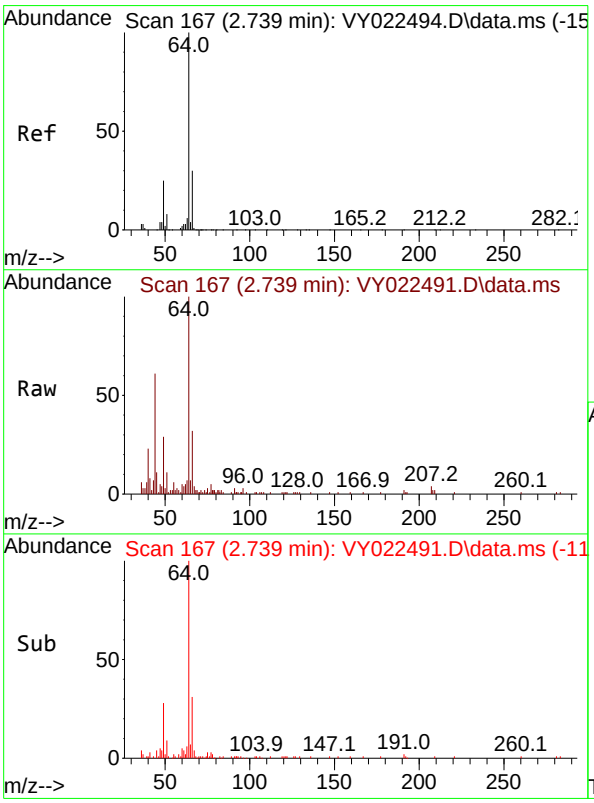
Ion	Ratio	Lower	Upper
94	100		
96	90.5	74.0	111.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

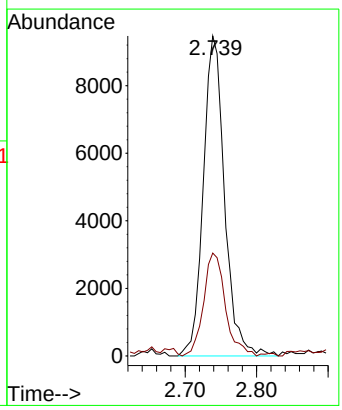


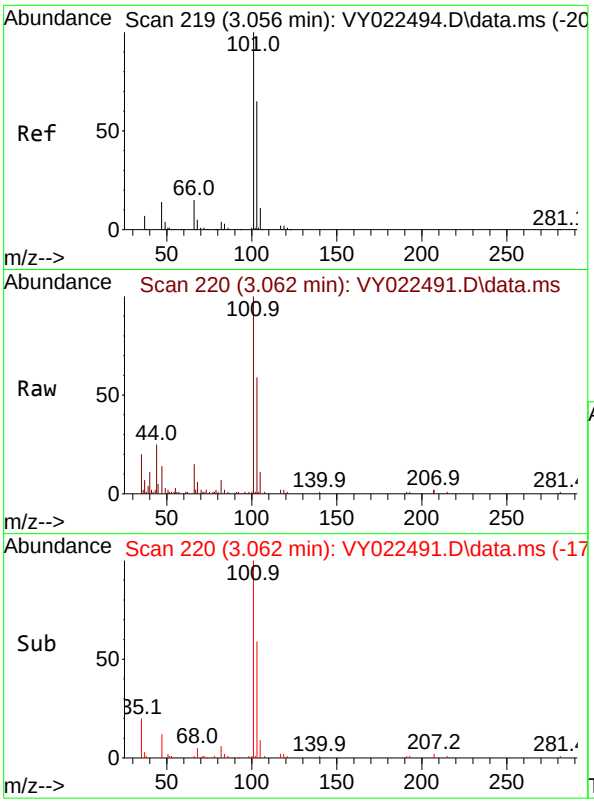


#6
Chloroethane
Concen: 4.710 ug/l
RT: 2.739 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 64 Resp: 19566

Ion	Ratio	Lower	Upper
64	100		
66	32.1	23.8	35.6

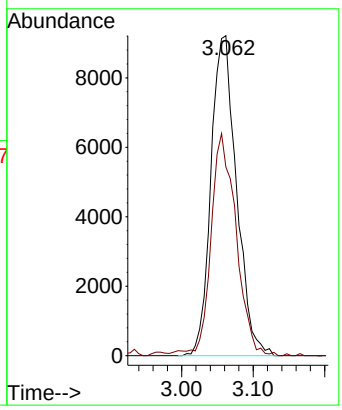




#7
Trichlorofluoromethane
Concen: 4.428 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:101 Resp: 2282

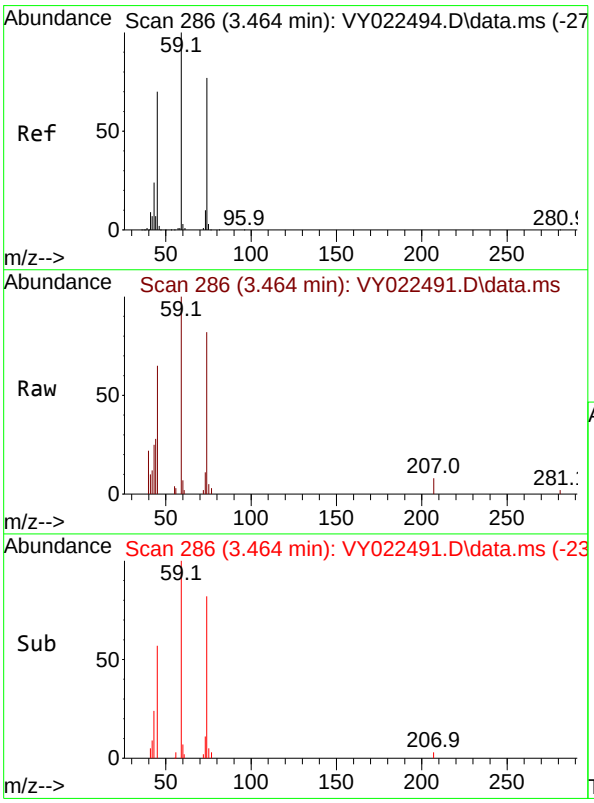
Ion	Ratio	Lower	Upper
101	100		
103	59.0	52.2	78.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

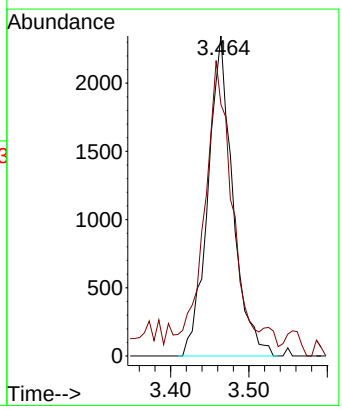
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

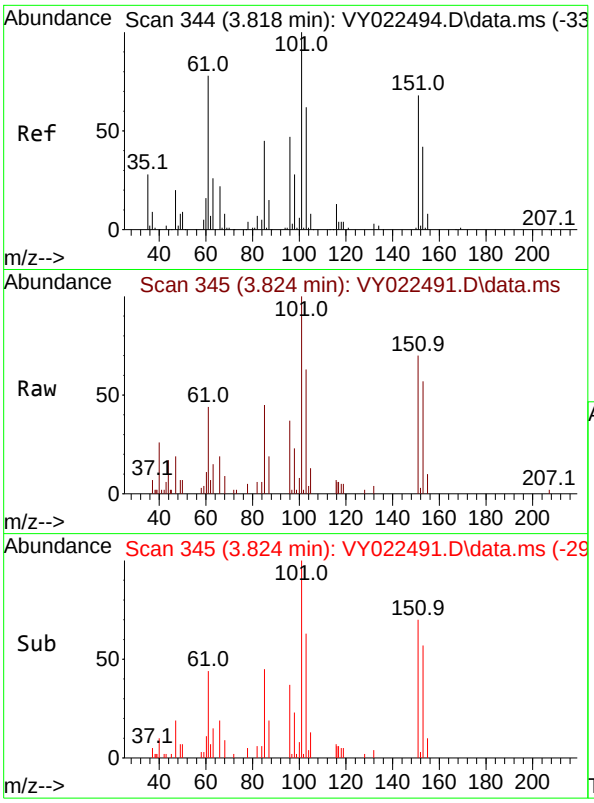


#8
Diethyl Ether
Concen: 4.553 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 74 Resp: 5184

Ion	Ratio	Lower	Upper
74	100		
45	98.9	45.9	137.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.744 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

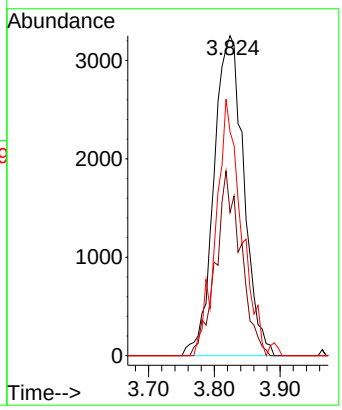
Tgt Ion:101 Resp: 1025

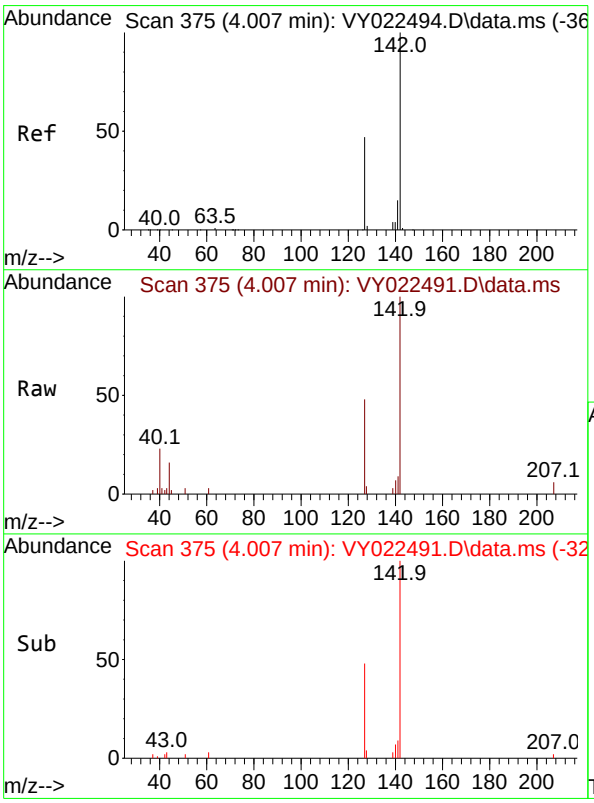
Ion	Ratio	Lower	Upper
101	100		
85	48.8	39.3	58.9
151	67.9	57.8	86.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

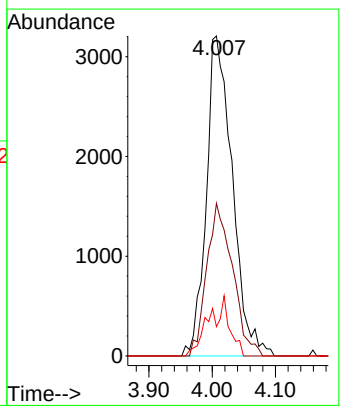


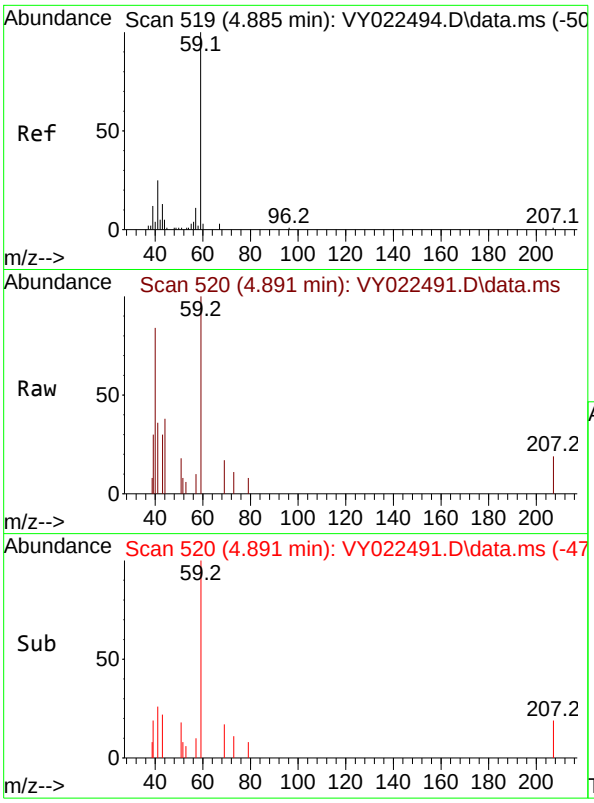


#10
Methyl Iodide
Concen: 3.956 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:142 Resp: 9174

Ion	Ratio	Lower	Upper
142	100		
127	47.3	37.1	55.7
141	7.8	11.4	17.2#





#11
Tert butyl alcohol
Concen: 21.587 ug/l
RT: 4.891 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

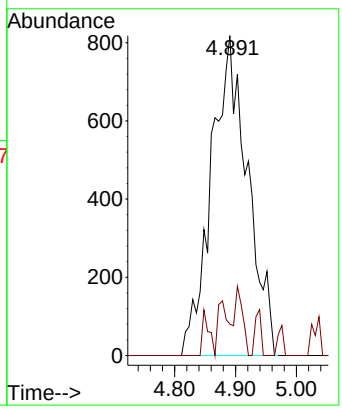
Tgt Ion: 59 Resp: 337

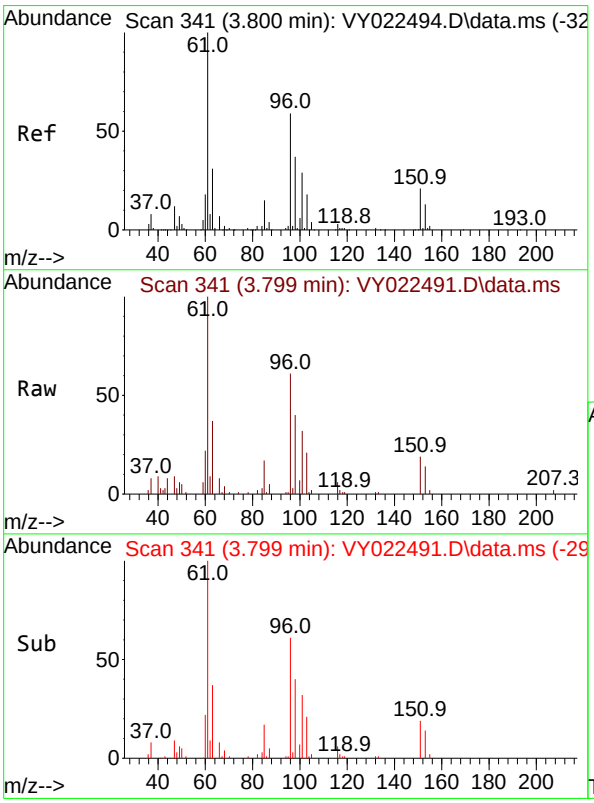
Ion	Ratio	Lower	Upper
59	100		
57	5.6	8.0	12.0#

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

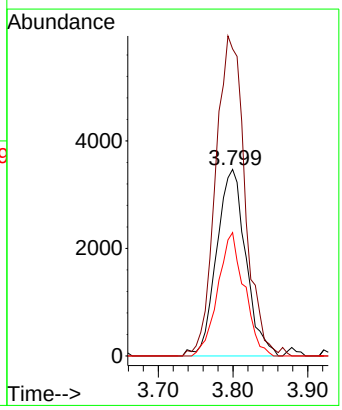


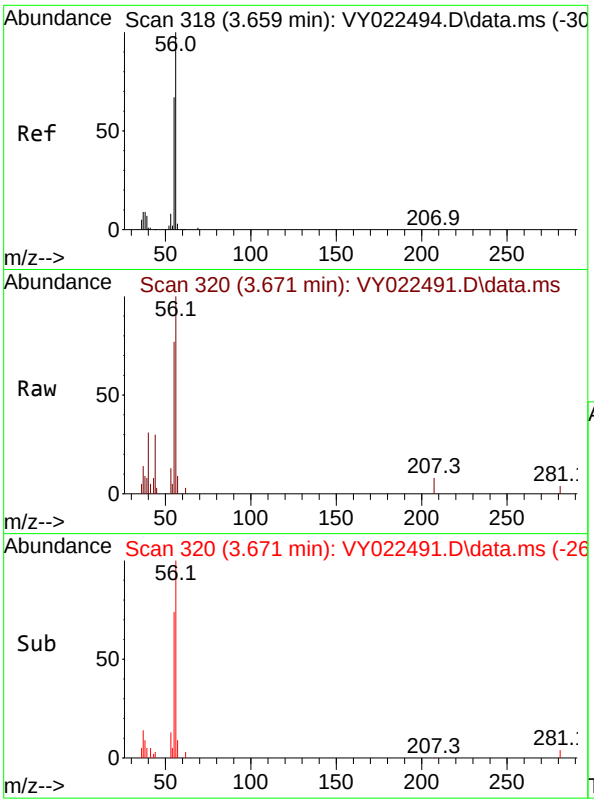


#12
1,1-Dichloroethene
Concen: 4.573 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 96 Resp: 9440

Ion	Ratio	Lower	Upper
96	100		
61	164.6	134.6	201.8
98	66.2	50.2	75.4

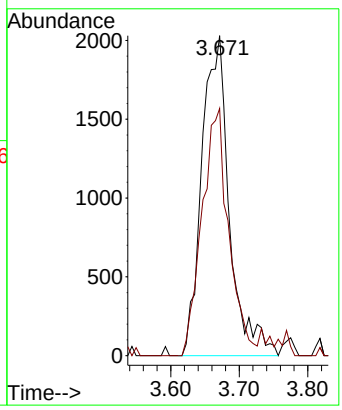




#13
Acrolein
Concen: 29.646 ug/l
RT: 3.671 min Scan# 3
Delta R.T. 0.012 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 56 Resp: 565

Ion	Ratio	Lower	Upper
56	100		
55	75.3	57.0	85.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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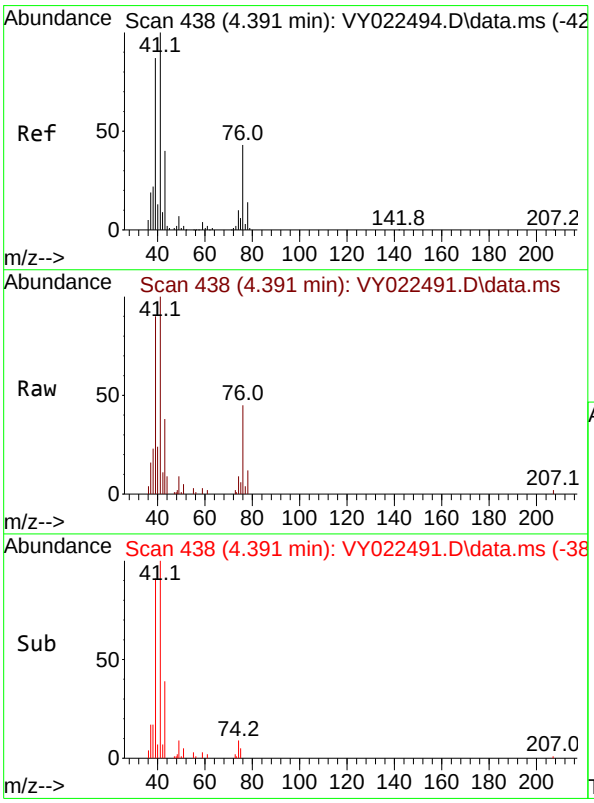
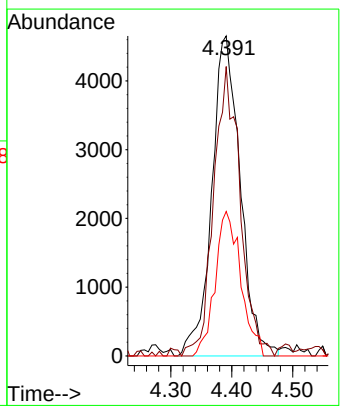
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

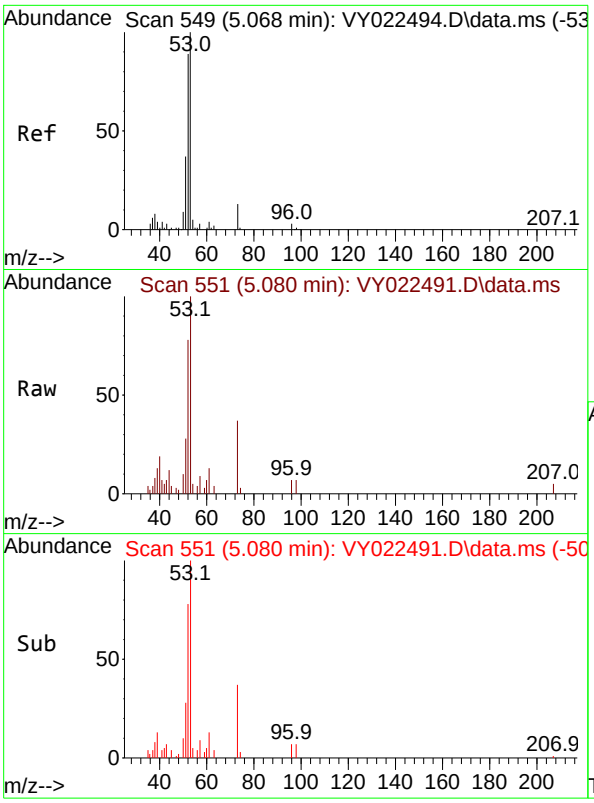


#14
Allyl chloride
Concen: 4.693 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 41 Resp: 15096

Ion	Ratio	Lower	Upper
41	100		
39	84.0	69.1	103.7
76	40.8	33.5	50.3





#15
Acrylonitrile
Concen: 22.026 ug/l
RT: 5.080 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 53 Resp: 1066

Ion	Ratio	Lower	Upper
53	100		
52	83.8	65.7	98.5
51	41.4	30.1	45.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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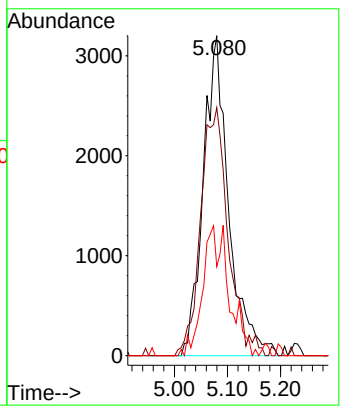
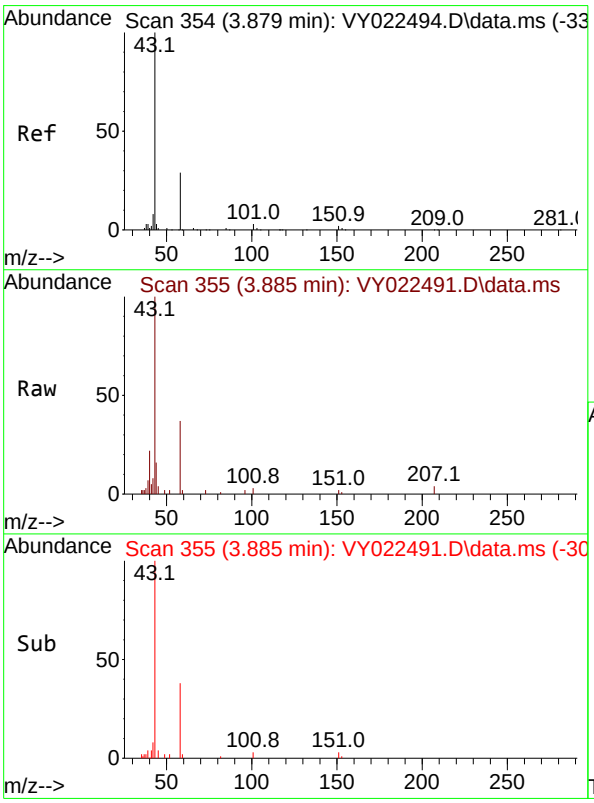
Supervised By :Mahesh Dadoda 06/03/2025

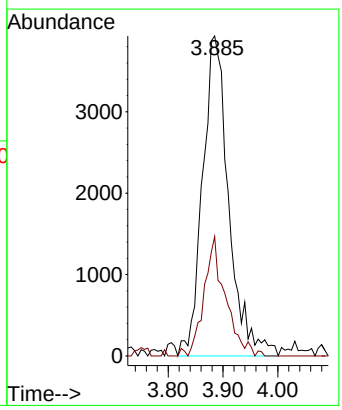


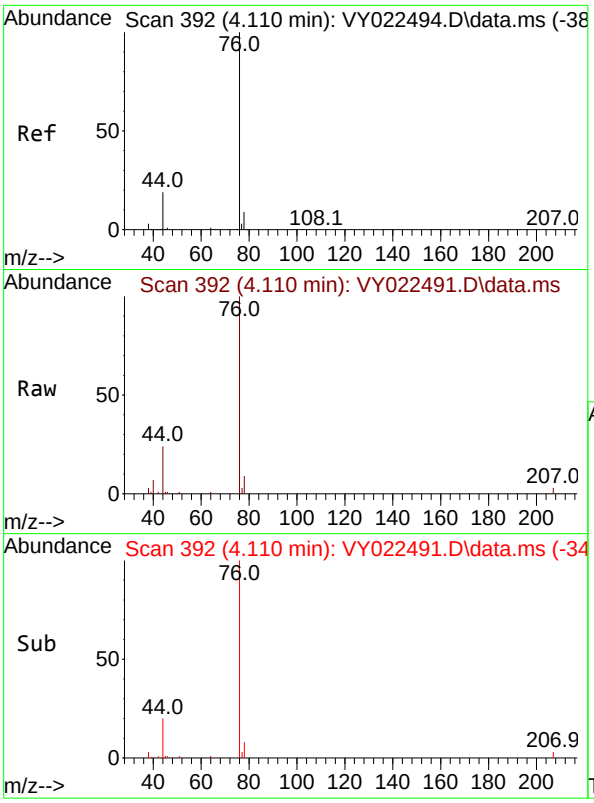


#16
Acetone
Concen: 30.108 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 43 Resp: 13023

Ion	Ratio	Lower	Upper
43	100		
58	37.3	24.0	36.0#





#17
Carbon Disulfide
Concen: 4.586 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 76 Resp: 3022

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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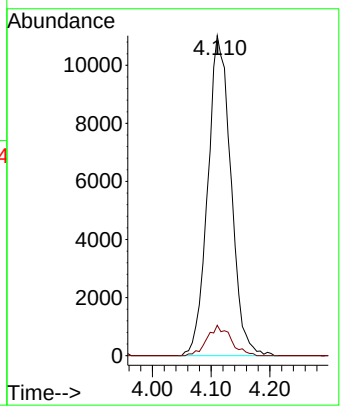
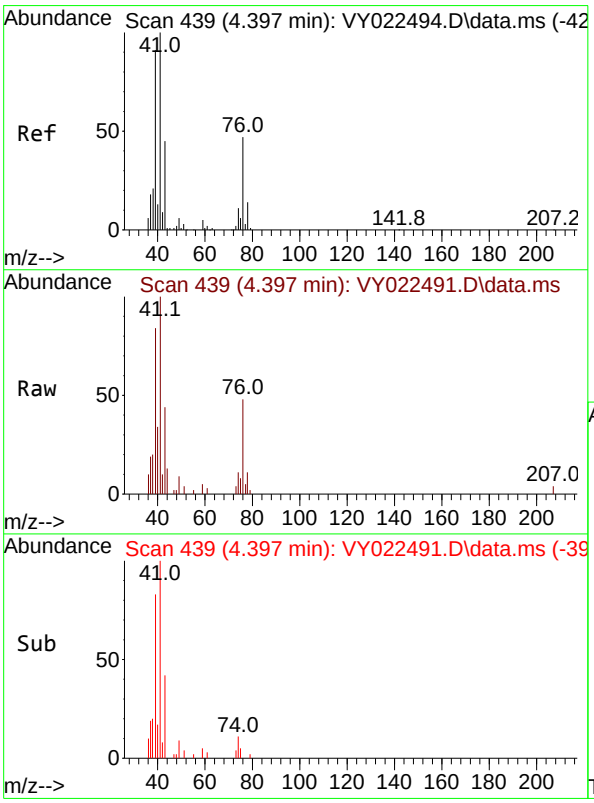
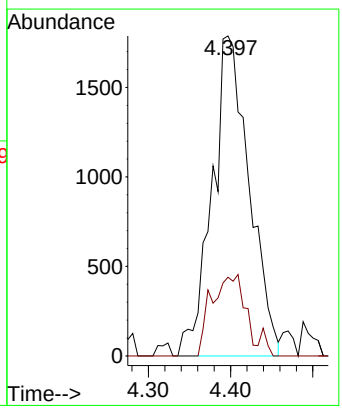


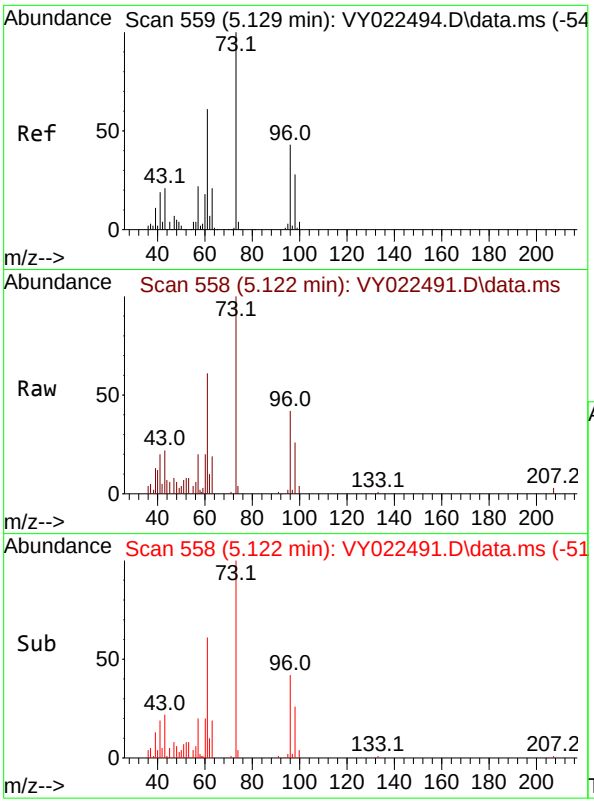


#18
Methyl Acetate
Concen: 4.327 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 43 Resp: 5630

Ion	Ratio	Lower	Upper
43	100		
74	22.8	19.8	29.6

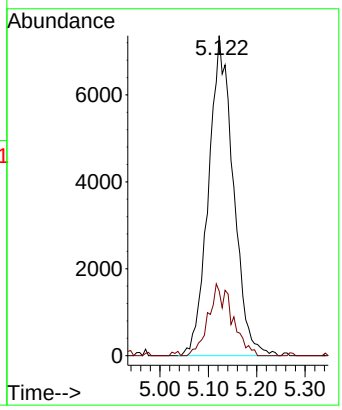




#19
Methyl tert-butyl Ether
Concen: 4.562 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 73 Resp: 2627

Ion	Ratio	Lower	Upper
73	100		
57	20.2	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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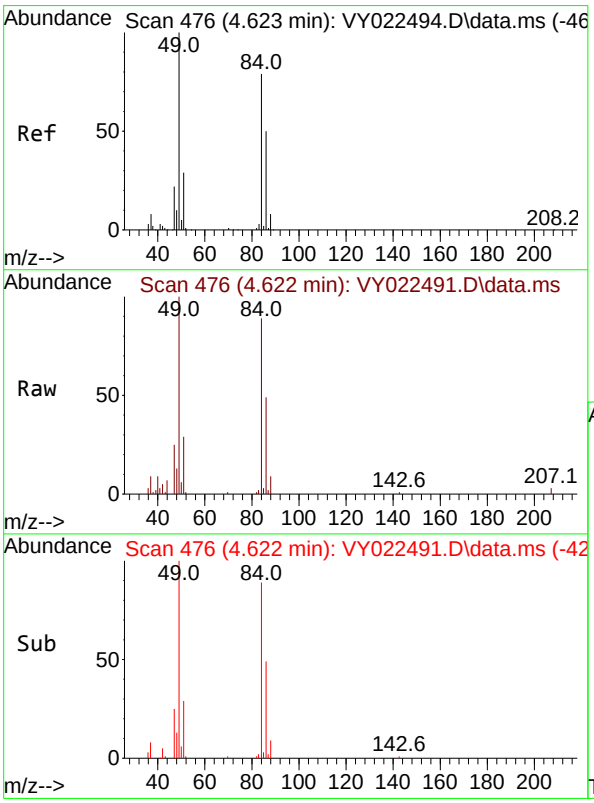
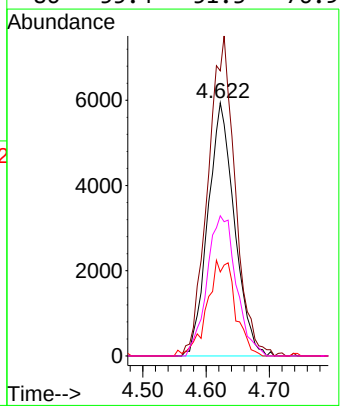
Supervised By :Mahesh Dadoda 06/03/2025

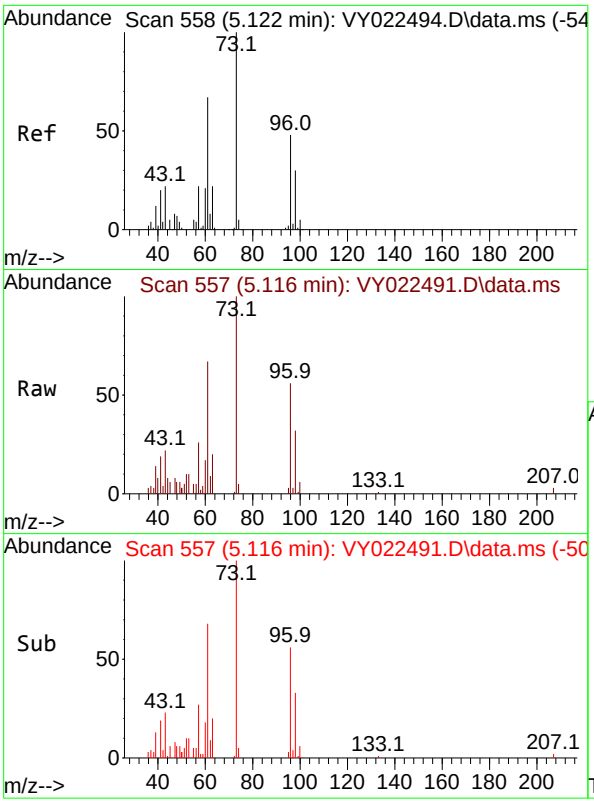


#20
Methylene Chloride
Concen: 7.168 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 84 Resp: 17312

Ion	Ratio	Lower	Upper
84	100		
49	112.6	101.9	152.9
51	33.2	29.8	44.8
86	55.4	51.3	76.9

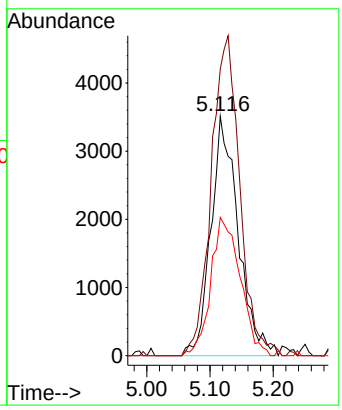




#21
trans-1,2-Dichloroethene
Concen: 4.549 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 96 Resp: 1048

Ion	Ratio	Lower	Upper
96	100		
61	119.8	112.6	169.0
98	57.7	50.6	75.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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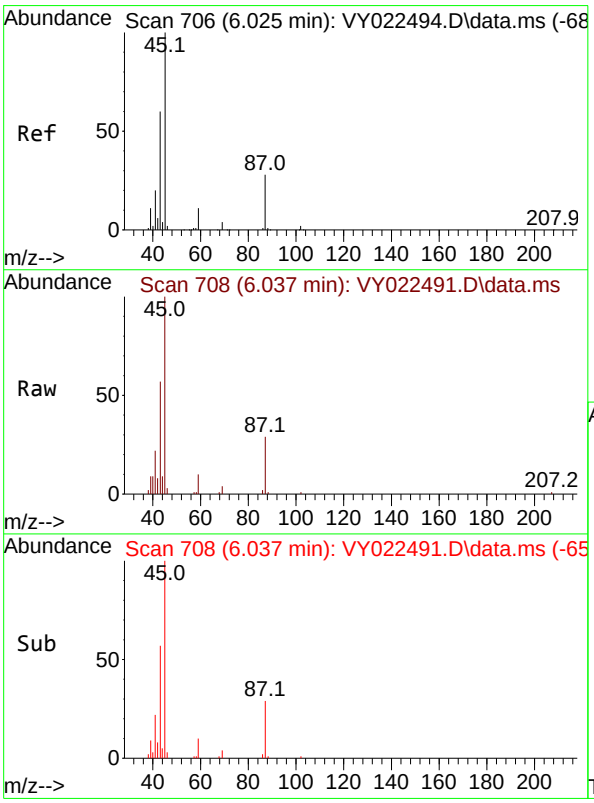
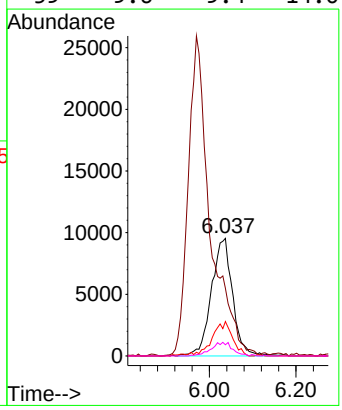
Supervised By :Mahesh Dadoda 06/03/2025

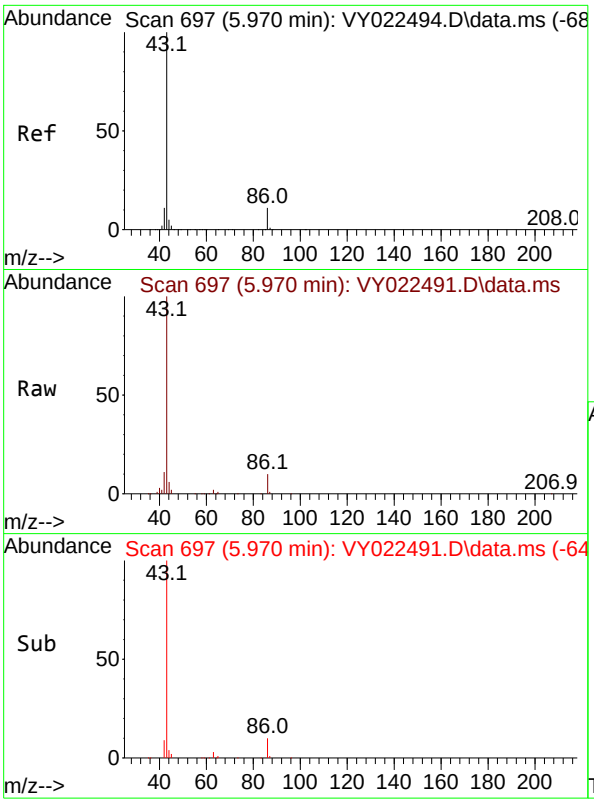


#22
Diisopropyl ether
Concen: 4.544 ug/l
RT: 6.037 min Scan# 708
Delta R.T. 0.012 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 45 Resp: 32497

Ion	Ratio	Lower	Upper
45	100		
43	55.1	48.3	72.5
87	29.3	23.0	34.6
59	9.6	9.4	14.0





#23
Vinyl Acetate
Concen: 21.559 ug/l
RT: 5.970 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 43 Resp: 9147

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.6	12.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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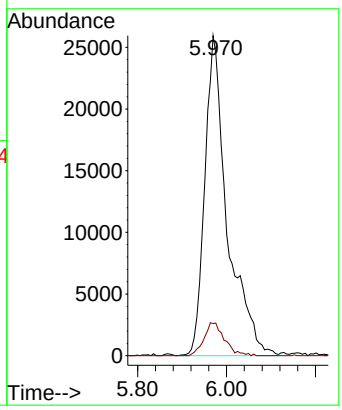
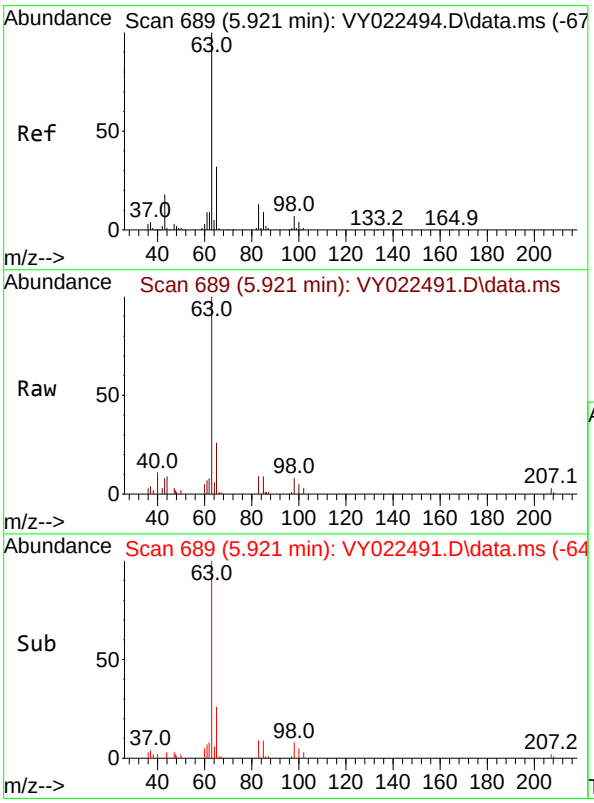
Supervised By :Mahesh Dadoda 06/03/2025

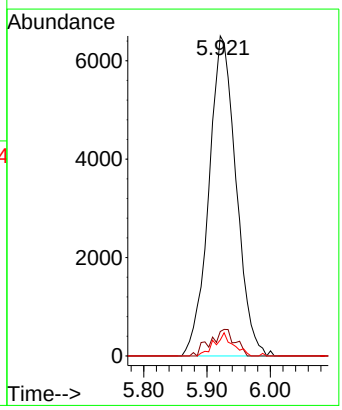


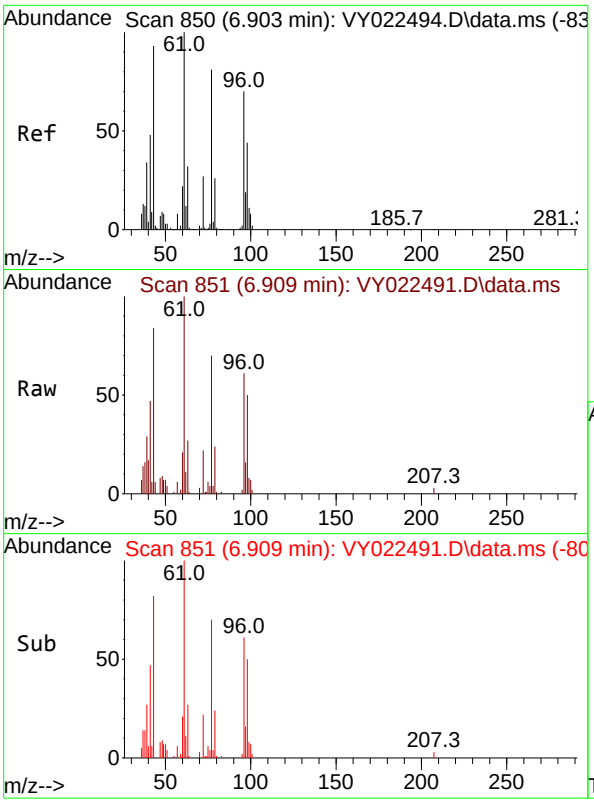


#24
1,1-Dichloroethane
Concen: 4.603 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 63 Resp: 19460

Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.4	10.1
100	5.0	2.1	6.3





#25
2-Butanone
Concen: 22.605 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 43 Resp: 1442

Ion	Ratio	Lower	Upper
43	100		
72	26.2	22.9	34.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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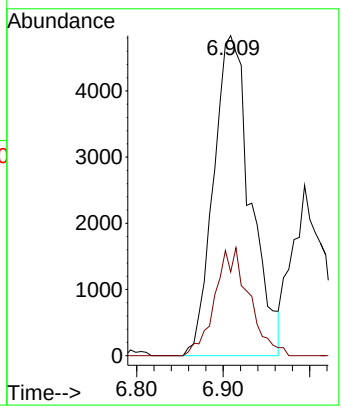
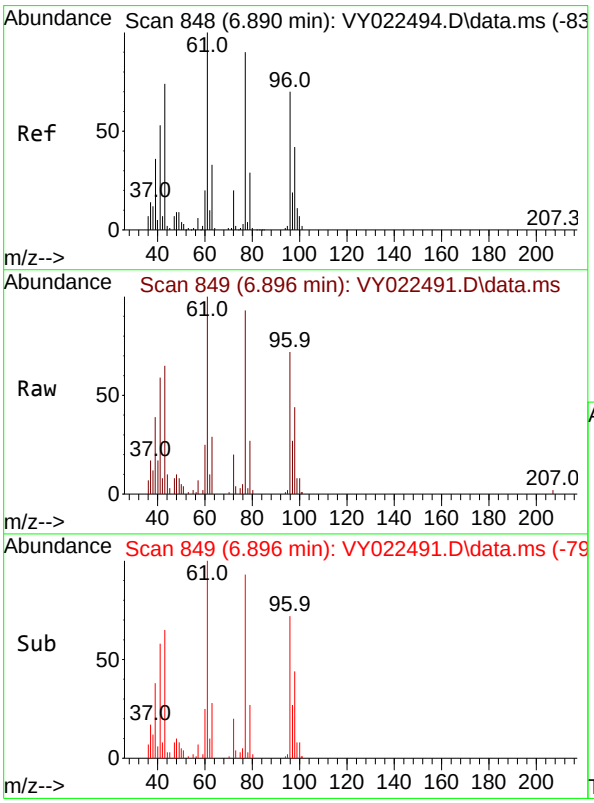
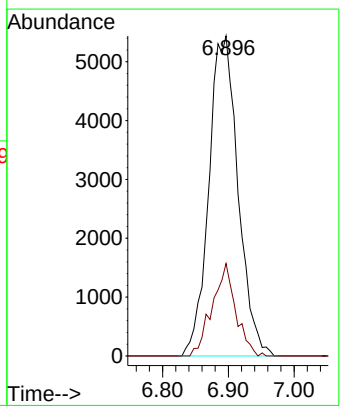


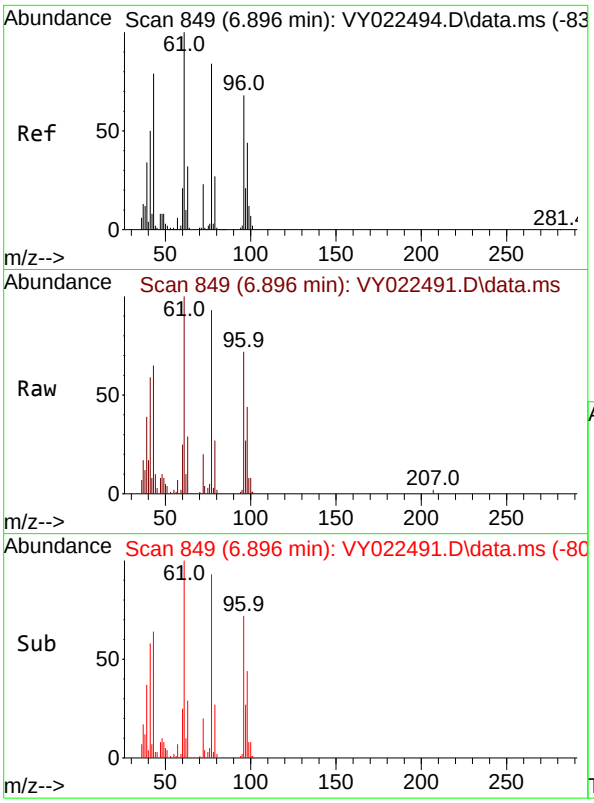


#26
2,2-Dichloropropane
Concen: 4.471 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 77 Resp: 16805

Ion	Ratio	Lower	Upper
77	100		
97	23.2	11.4	34.2





#27
cis-1,2-Dichloroethene
Concen: 4.467 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 96 Resp: 1190

Ion	Ratio	Lower	Upper
96	100		
61	146.0	0.0	290.0
98	67.8	0.0	128.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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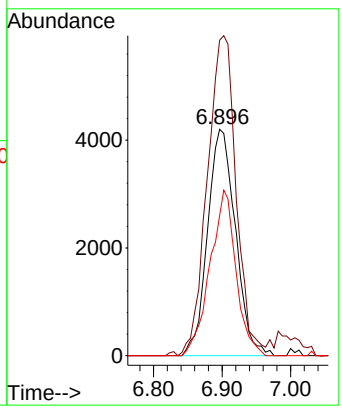
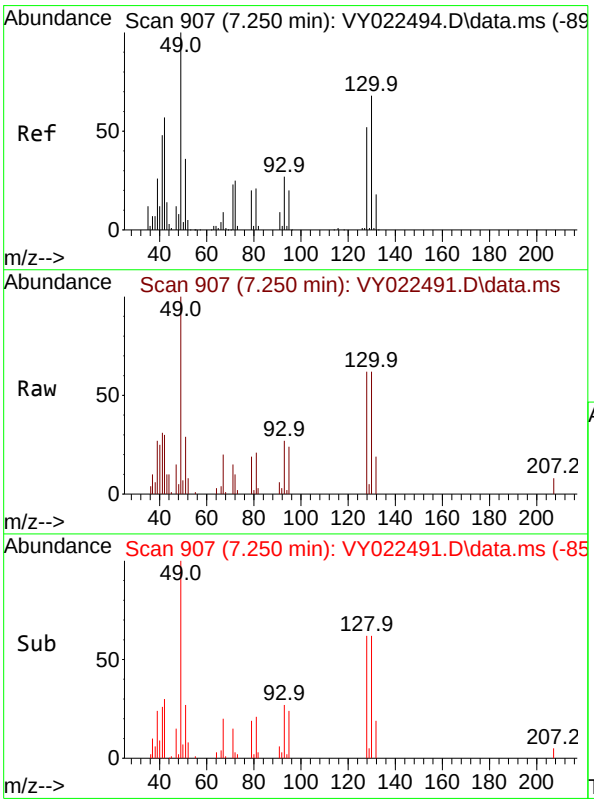
Supervised By :Mahesh Dadoda 06/03/2025

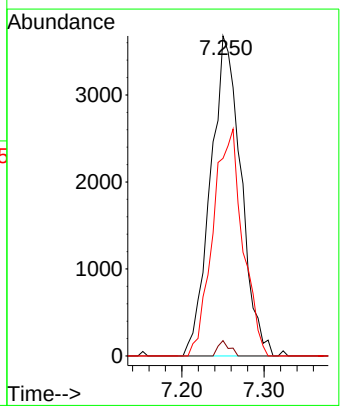


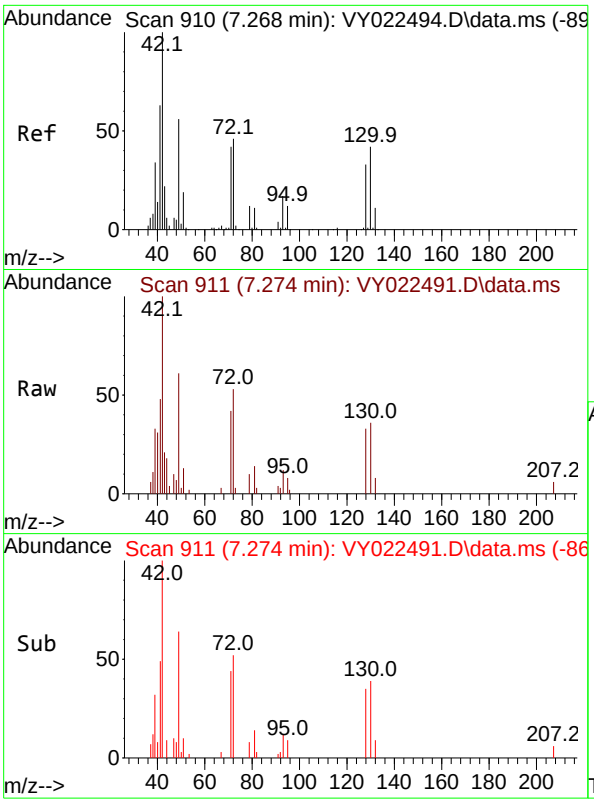


#28
Bromochloromethane
Concen: 5.175 ug/l
RT: 7.250 min Scan# 907
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 49 Resp: 9453

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	69.5	55.7	83.5

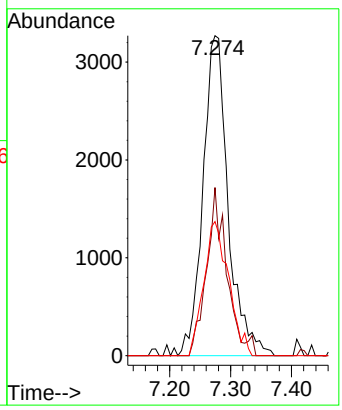




#29
Tetrahydrofuran
Concen: 22.781 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 42 Resp: 937

Ion	Ratio	Lower	Upper
42	100		
72	41.4	37.4	56.2
71	41.5	34.2	51.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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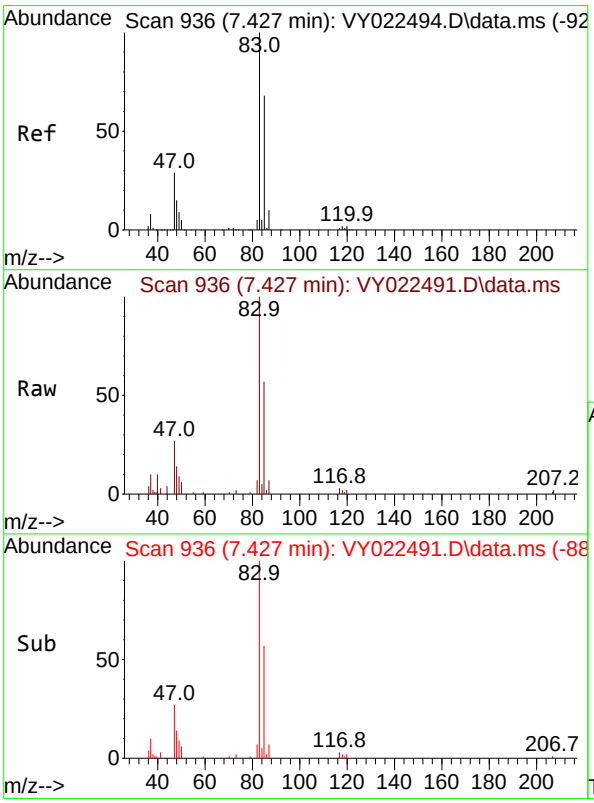
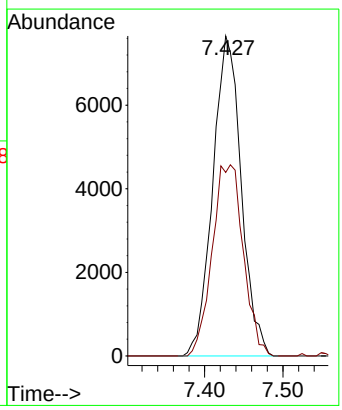
Supervised By :Mahesh Dadoda 06/03/2025

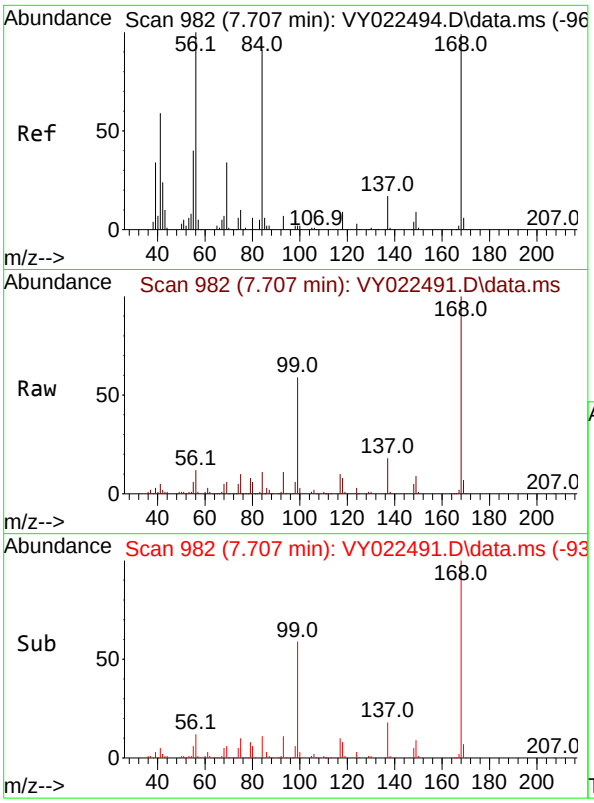


#30
Chloroform
Concen: 4.620 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 83 Resp: 19302

Ion	Ratio	Lower	Upper
83	100		
85	57.4	54.2	81.4





#31
Cyclohexane
Concen: 5.519 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

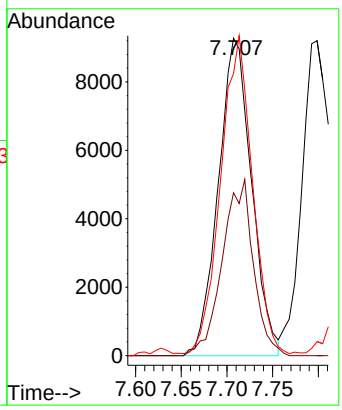
Tgt Ion: 56 Resp: 2348

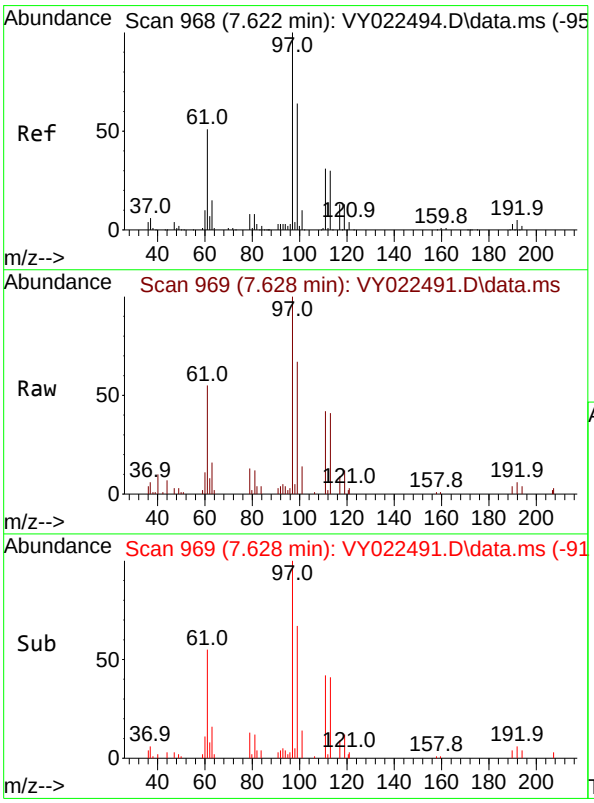
Ion	Ratio	Lower	Upper
56	100		
69	51.3	27.0	40.6
84	88.1	72.6	109.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

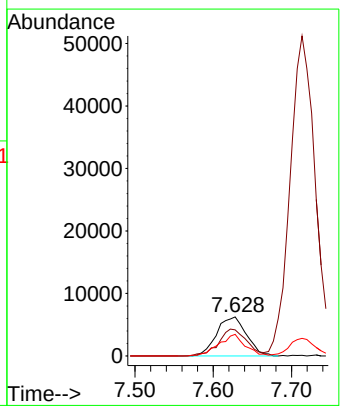


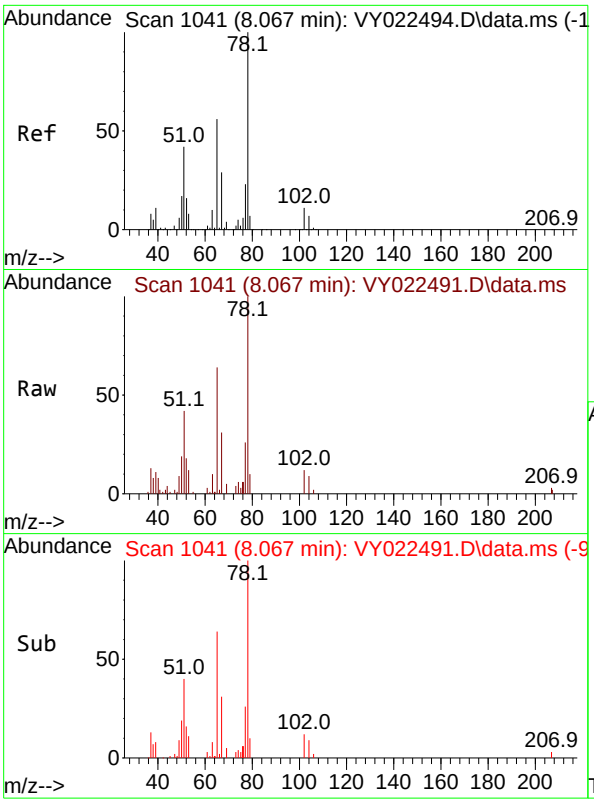


#32
1,1,1-Trichloroethane
Concen: 4.413 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 97 Resp: 16476

Ion	Ratio	Lower	Upper
97	100		
99	65.1	50.9	76.3
61	48.9	38.5	57.7

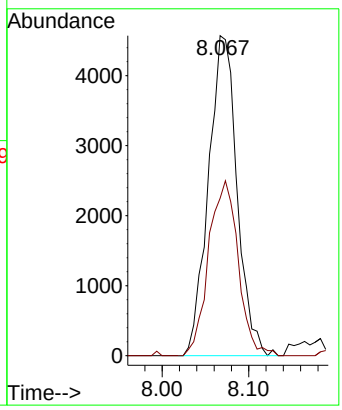




#33
1,2-Dichloroethane-d4
Concen: 4.802 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 65 Resp: 1050

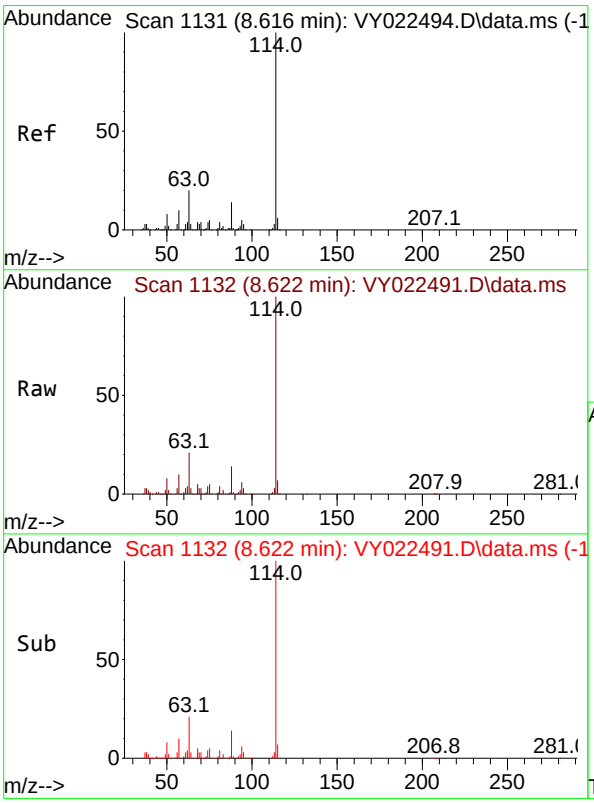
Ion	Ratio	Lower	Upper
65	100		
67	56.3	0.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

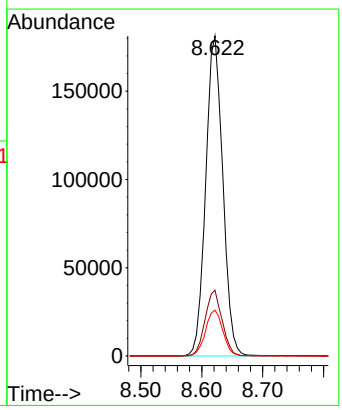
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

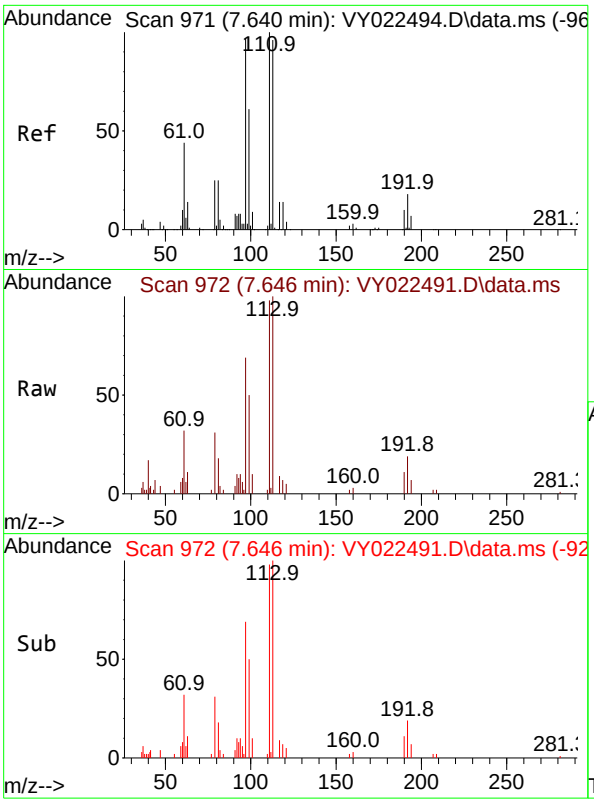


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:114 Resp: 353755

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.8
88	14.3	0.0	27.8





#35
Dibromofluoromethane
Concen: 4.477 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

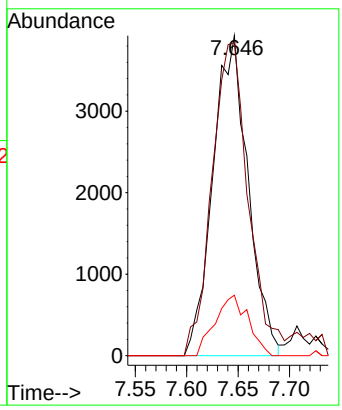
Tgt Ion:113 Resp: 932

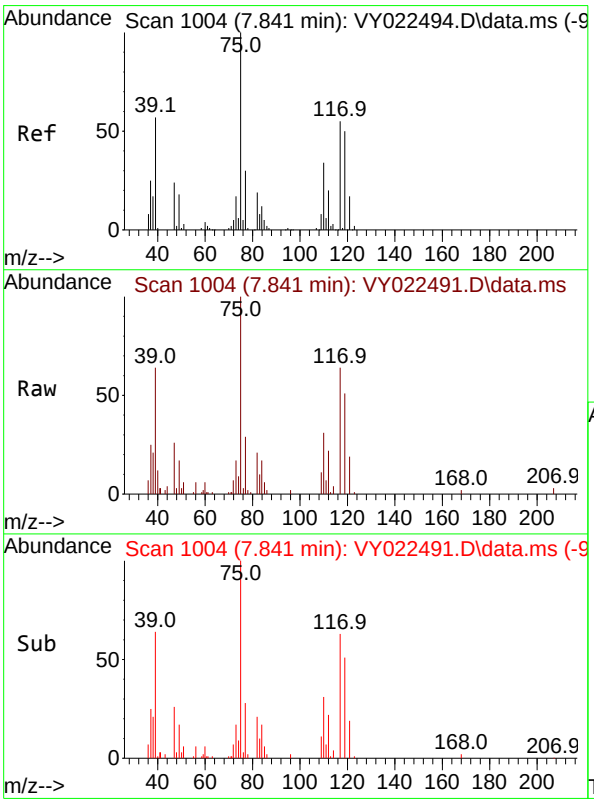
Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.1	121.7
192	17.8	14.2	21.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

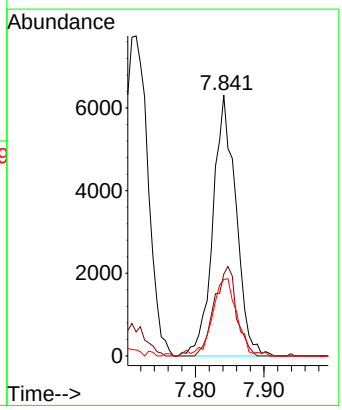


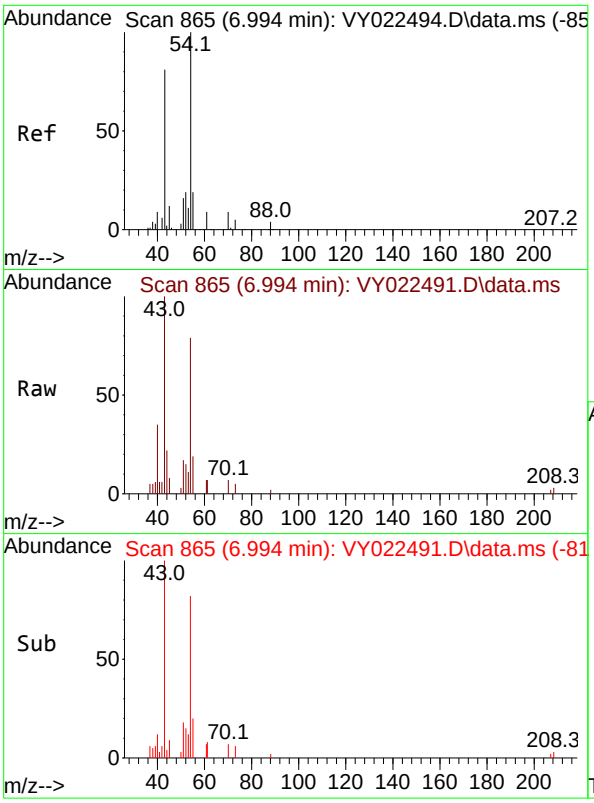


#36
1,1-Dichloropropene
Concen: 4.367 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 75 Resp: 14700

Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.9	50.7
77	32.0	24.8	37.2

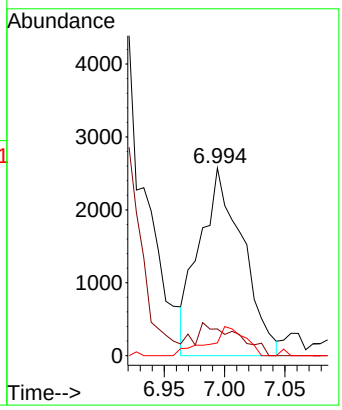




#37
Ethyl Acetate
Concen: 4.326 ug/l m
RT: 6.994 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 43 Resp: 640

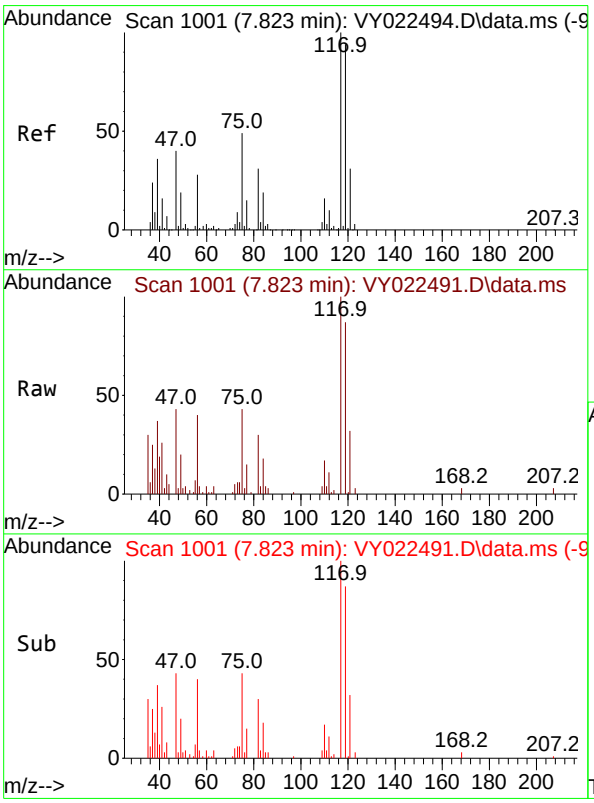
Ion	Ratio	Lower	Upper
43	100		
61	17.3	11.5	17.3#
70	12.8	7.2	10.8#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

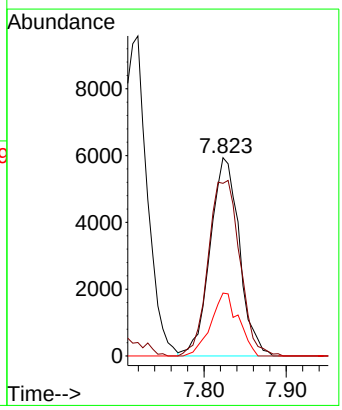
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

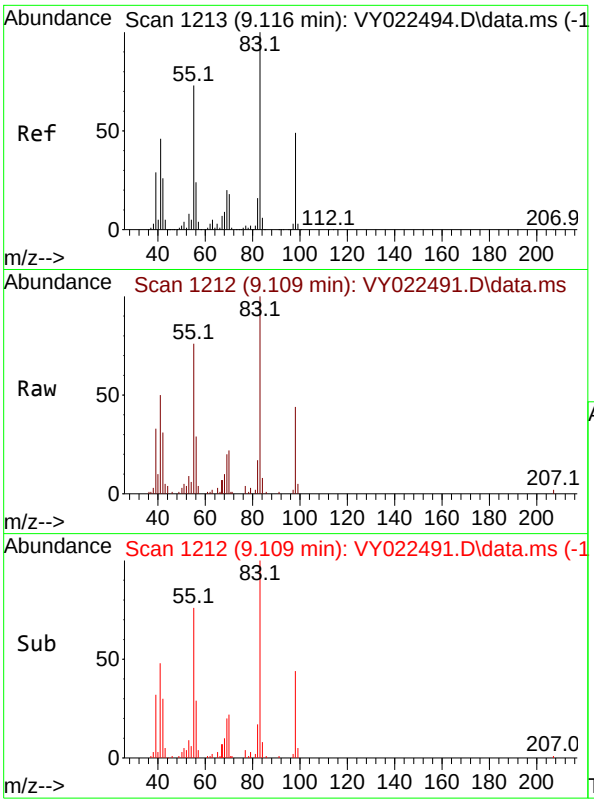


#38
Carbon Tetrachloride
Concen: 4.233 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:117 Resp: 14691

Ion	Ratio	Lower	Upper
117	100		
119	87.1	75.0	112.6
121	31.7	25.0	37.4





#39
Methylcyclohexane
Concen: 4.415 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

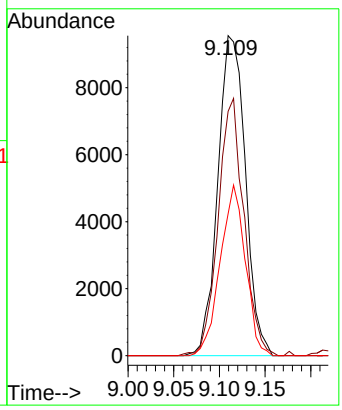
Tgt Ion: 83 Resp: 2007

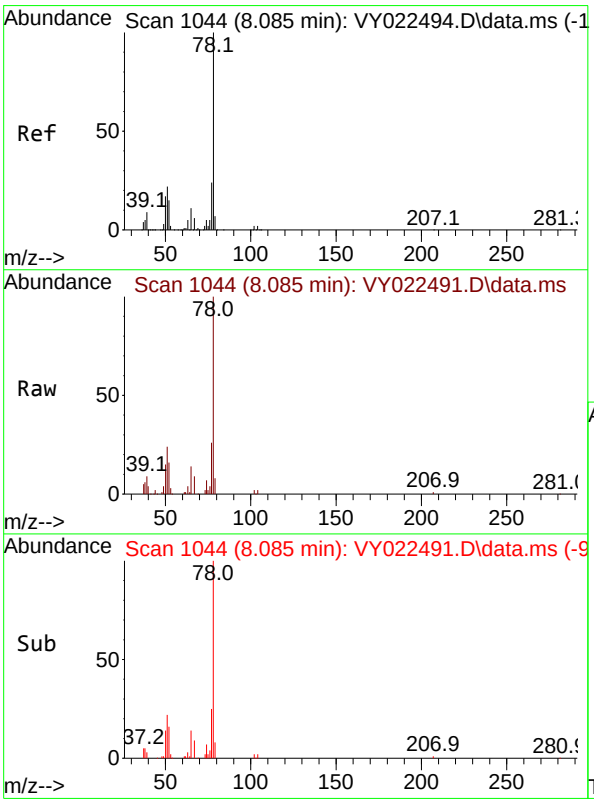
Ion	Ratio	Lower	Upper
83	100		
55	76.4	58.1	87.1
98	44.4	39.0	58.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

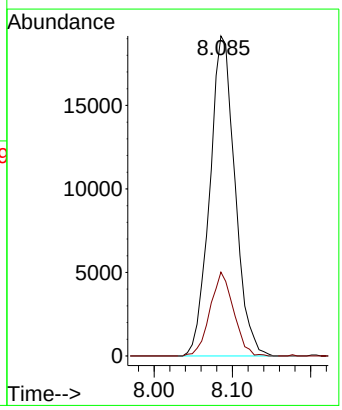


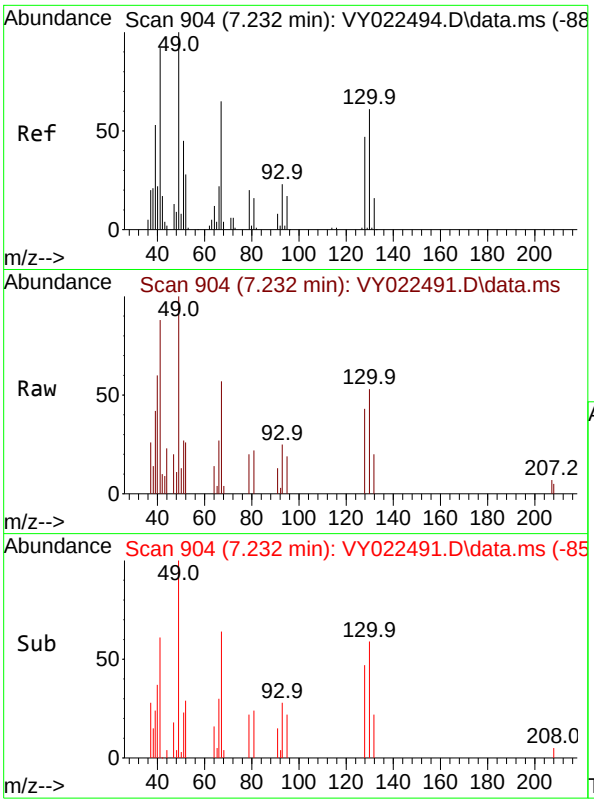


#40
Benzene
Concen: 4.326 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 78 Resp: 42926

Ion	Ratio	Lower	Upper
78	100		
77	26.2	19.3	28.9

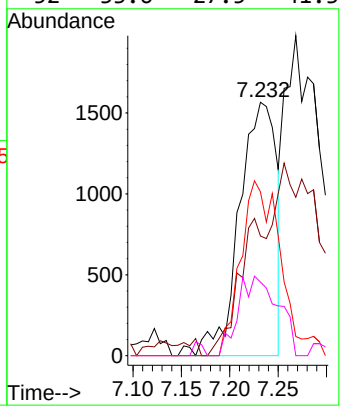




#41
Methacrylonitrile
Concen: 4.394 ug/l
RT: 7.232 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 41 Resp: 419

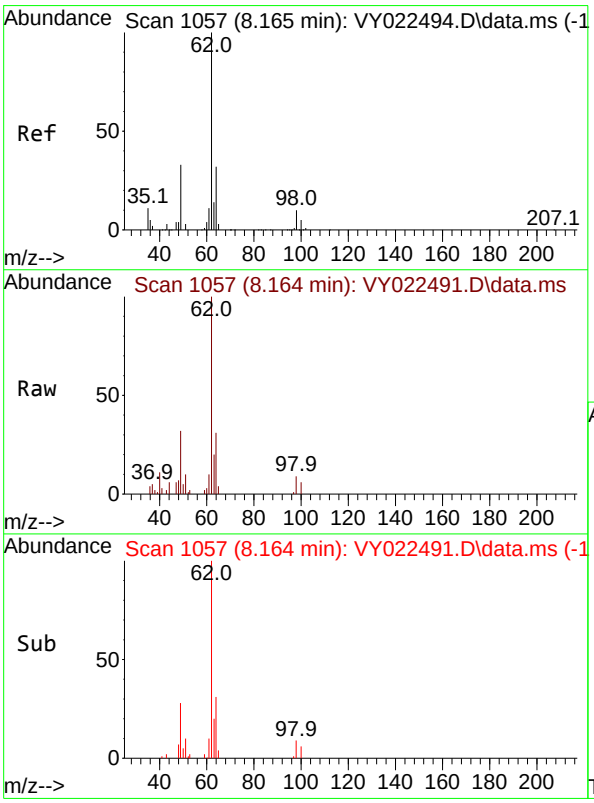
Ion	Ratio	Lower	Upper
41	100		
39	40.1	46.6	69.8
67	74.0	63.3	94.9
52	33.6	27.5	41.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

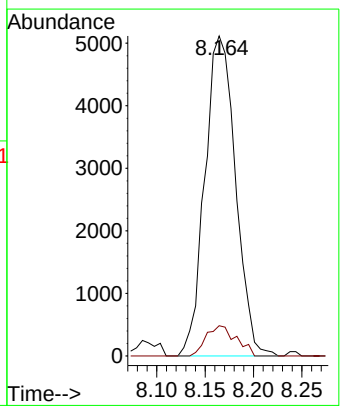
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

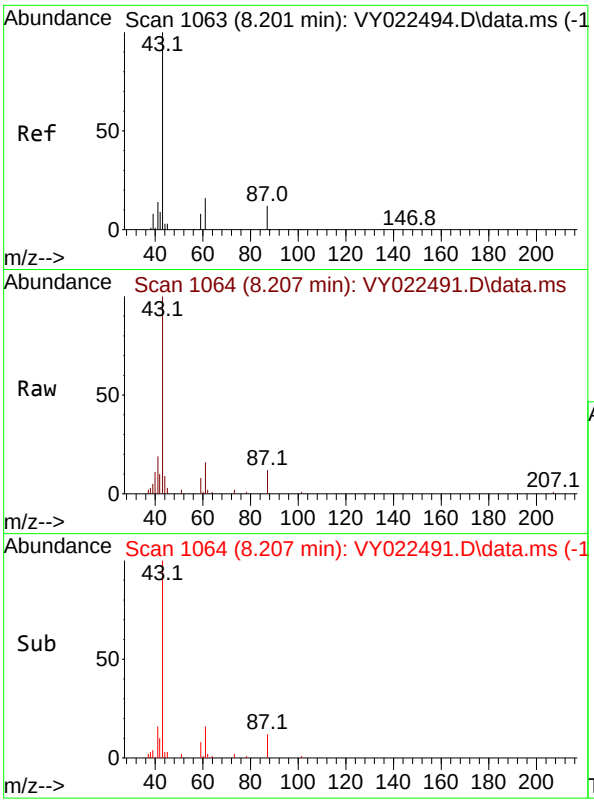


#42
1,2-Dichloroethane
Concen: 4.198 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 62 Resp: 11332

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	19.2





#43
Isopropyl Acetate
Concen: 4.117 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

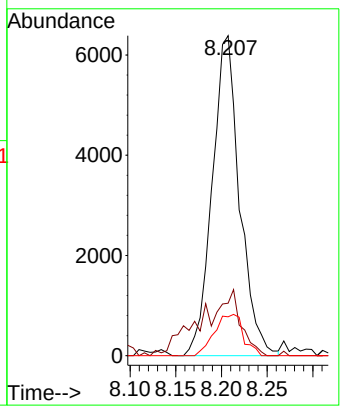
Tgt Ion: 43 Resp: 1333

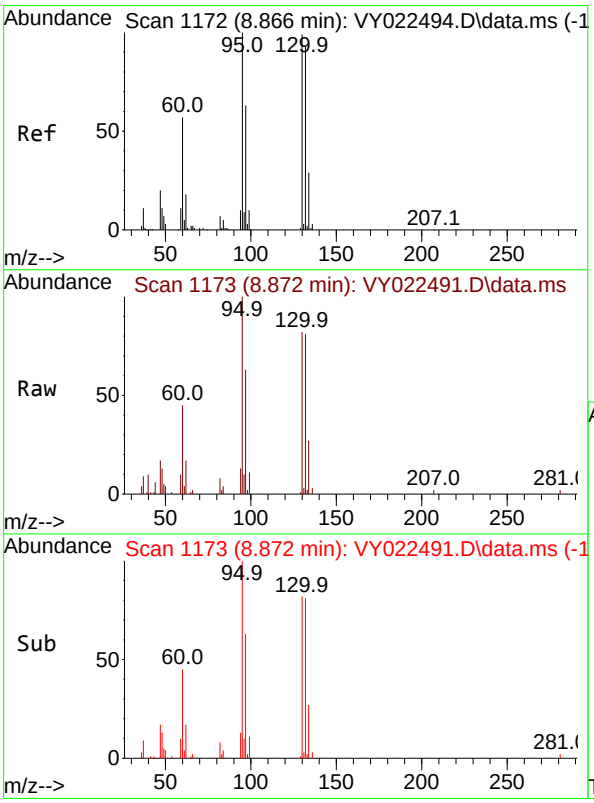
Ion	Ratio	Lower	Upper
43	100		
61	16.2	15.6	23.4
87	13.6	10.2	15.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

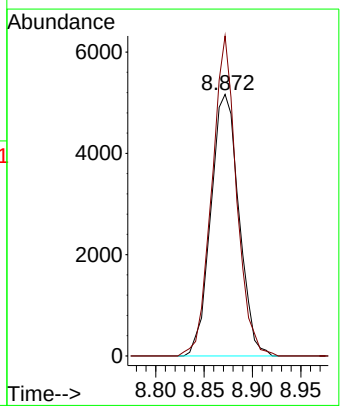


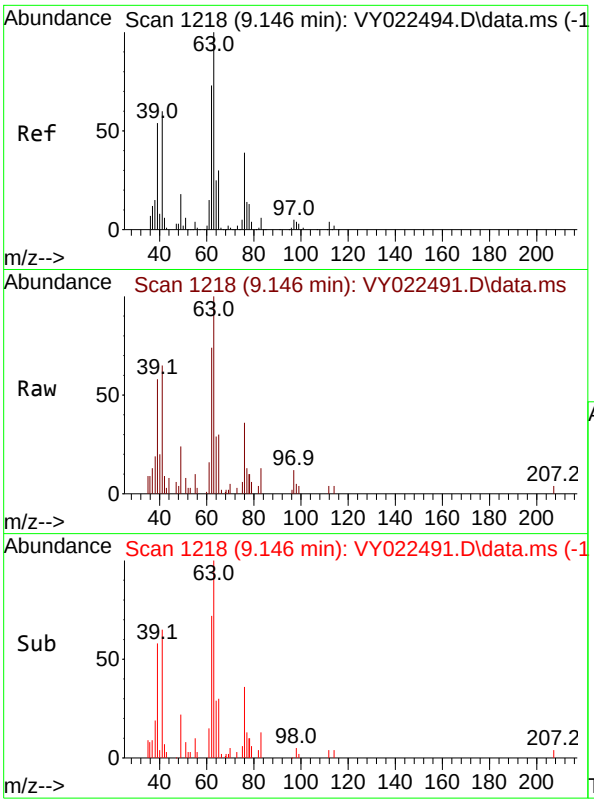


#44
Trichloroethene
Concen: 4.292 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:130 Resp: 10404

Ion	Ratio	Lower	Upper
130	100		
95	122.3	0.0	203.0





#45
1,2-Dichloropropane
Concen: 4.091 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

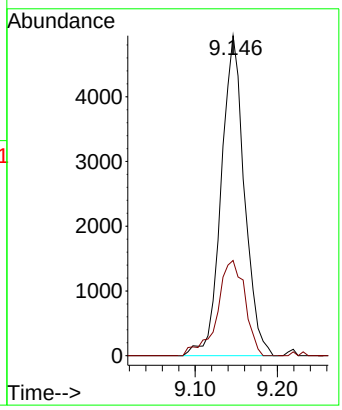
Tgt Ion: 63 Resp: 967

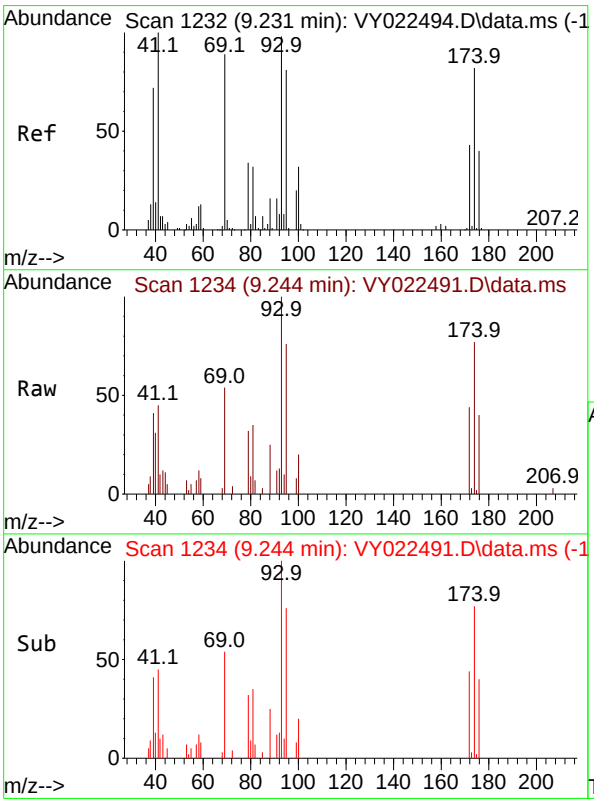
Ion	Ratio	Lower	Upper
63	100		
65	29.7	24.0	36.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

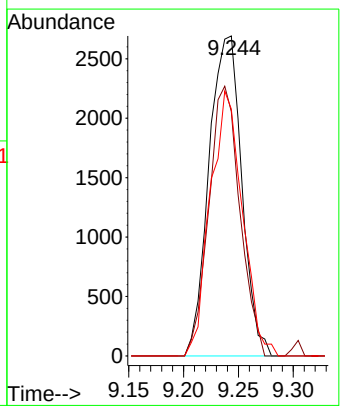


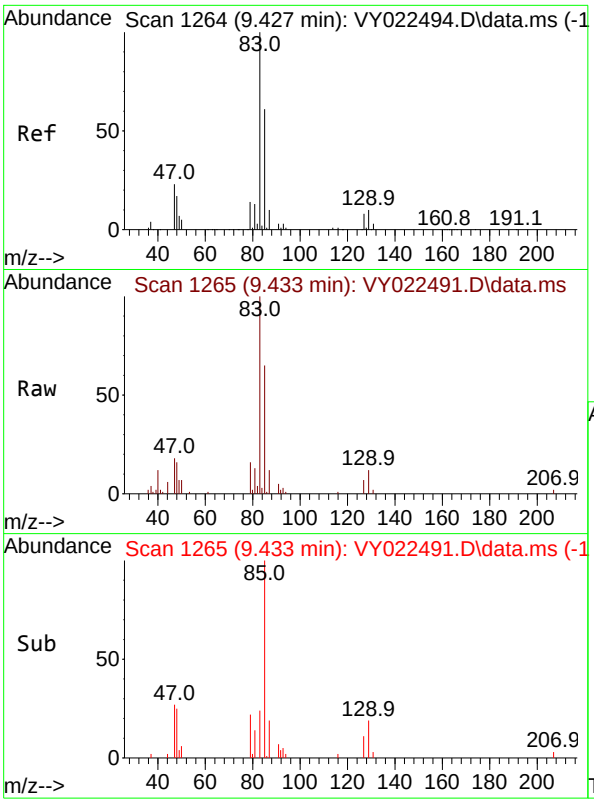


#46
Dibromomethane
Concen: 4.223 ug/l
RT: 9.244 min Scan# 1234
Delta R.T. 0.012 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 93 Resp: 5596

Ion	Ratio	Lower	Upper
93	100		
95	79.9	65.6	98.4
174	81.3	70.4	105.6





#47
Bromodichloromethane
Concen: 3.999 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

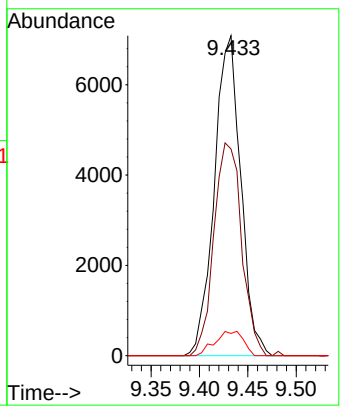
Tgt Ion: 83 Resp: 1344

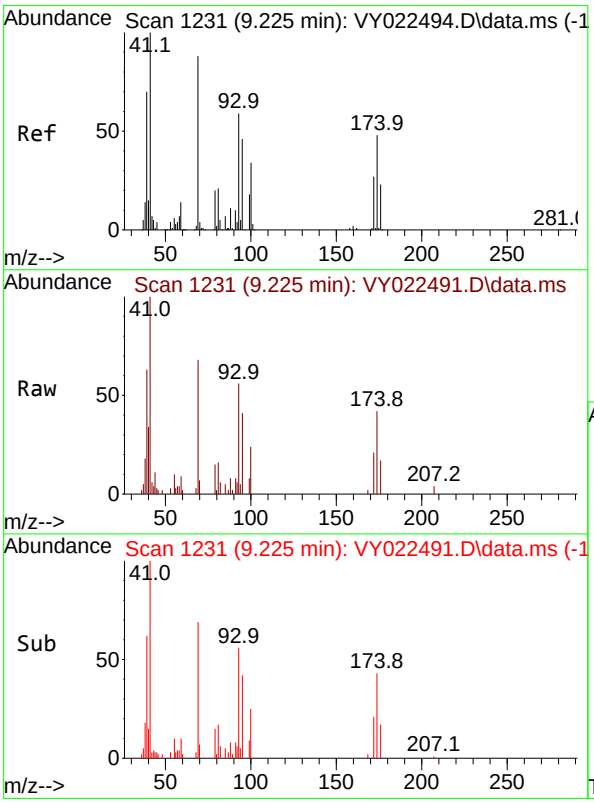
Ion	Ratio	Lower	Upper
83	100		
85	64.6	49.1	73.7
127	7.0	6.2	9.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

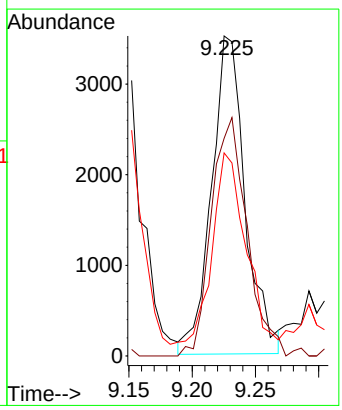


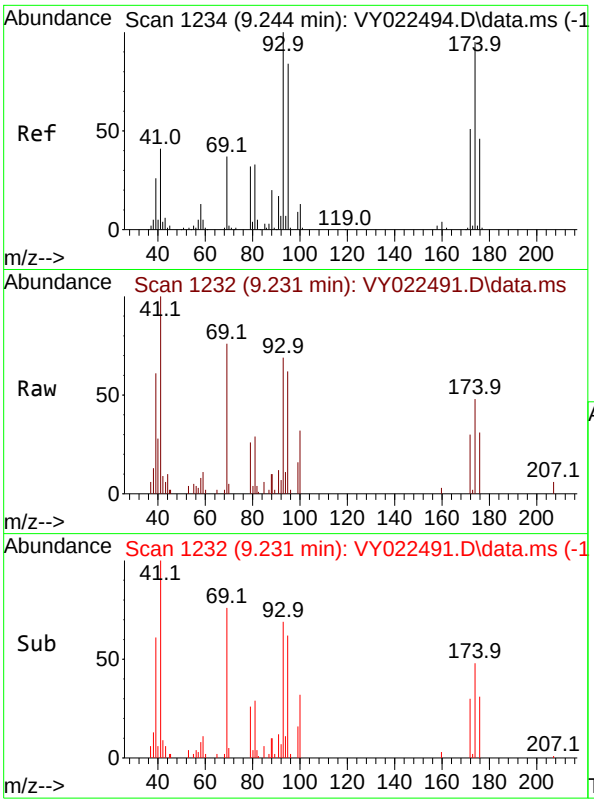


#48
Methyl methacrylate
Concen: 4.374 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 41 Resp: 6483

Ion	Ratio	Lower	Upper
41	100		
69	80.0	67.8	101.8
39	57.3	55.0	82.4

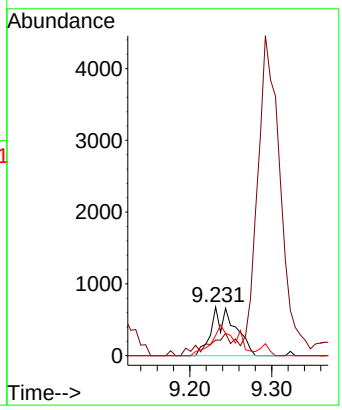




#49
1,4-Dioxane
Concen: 85.767 ug/l m
RT: 9.231 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 88 Resp: 135

Ion	Ratio	Lower	Upper
88	100		
43	53.1	25.4	38.2
58	65.5	54.9	82.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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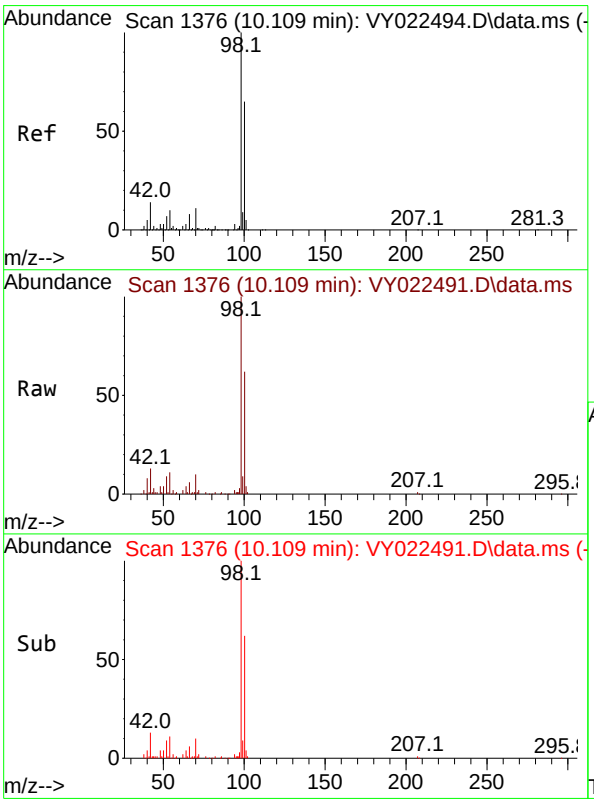
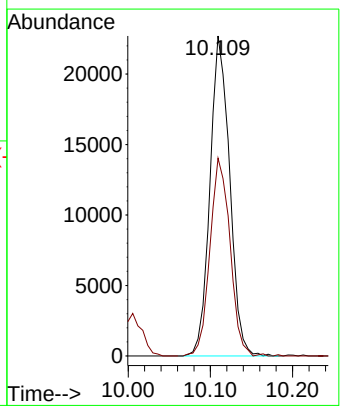
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

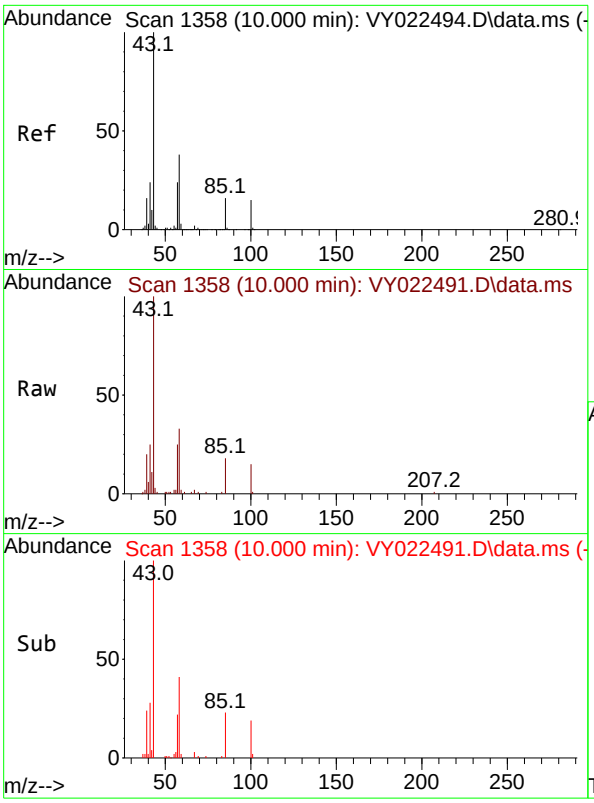


#50
Toluene-d8
Concen: 4.482 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 98 Resp: 37729

Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.4	77.0

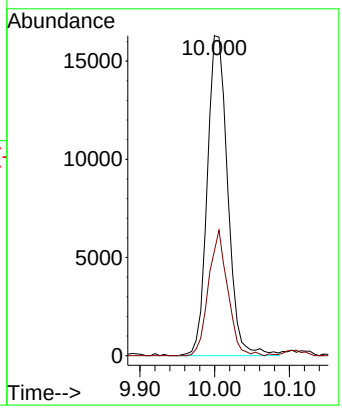




#51
4-Methyl-2-Pentanone
Concen: 19.273 ug/l
RT: 10.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 43 Resp: 3096

Ion	Ratio	Lower	Upper
43	100		
58	36.7	30.4	45.6



Instrument :
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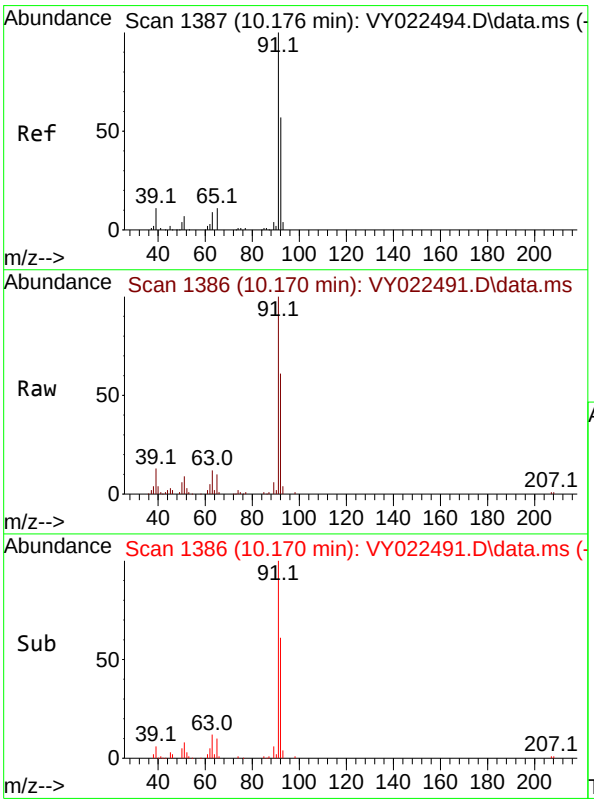
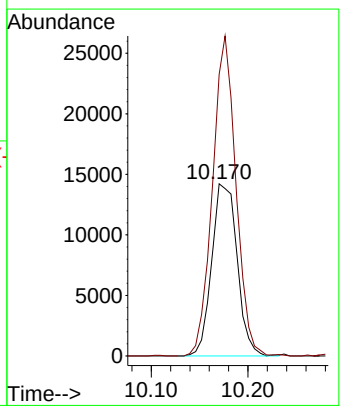
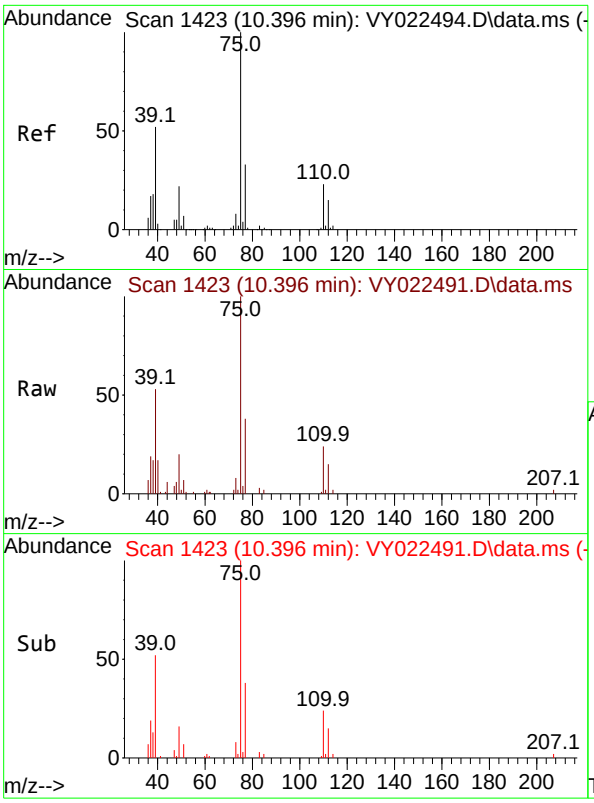


#52
Toluene
Concen: 4.150 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 92 Resp: 25893

Ion	Ratio	Lower	Upper
92	100		
91	171.8	139.0	208.4





#53
t-1,3-Dichloropropene
Concen: 3.982 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 75 Resp: 1238

Ion	Ratio	Lower	Upper
75	100		
77	38.1	26.5	39.7

Instrument :
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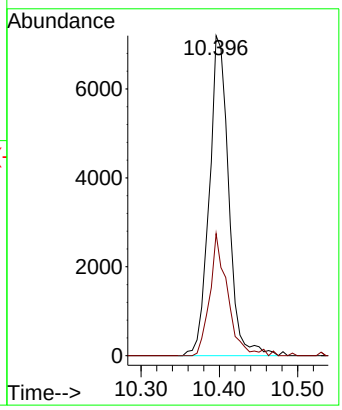
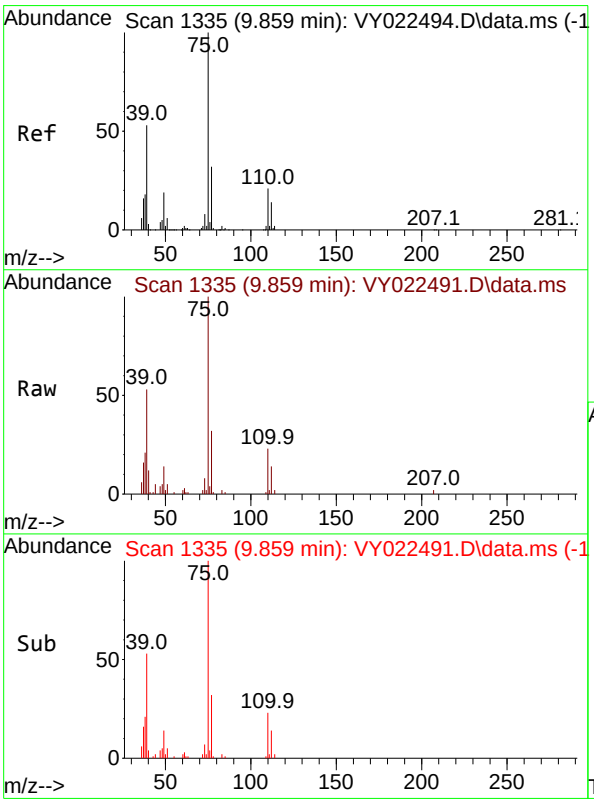
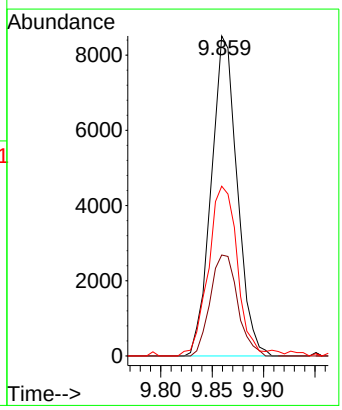


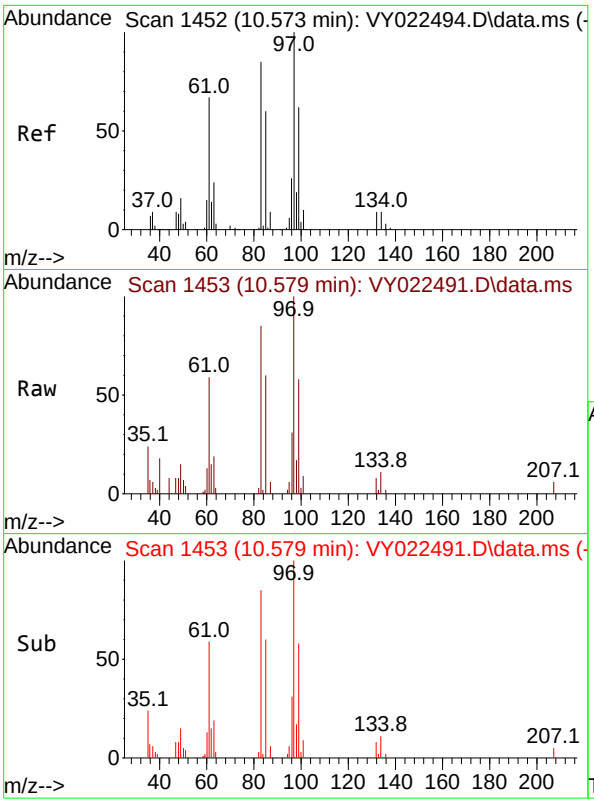


#54
cis-1,3-Dichloropropene
Concen: 4.103 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 75 Resp: 14966

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.3	37.9
39	53.0	42.7	64.1

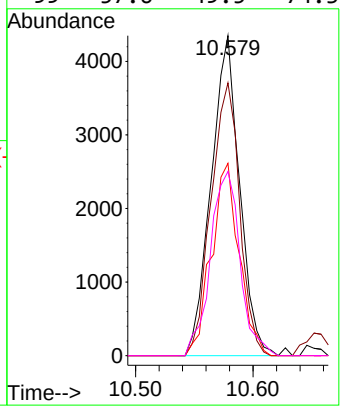




#55
1,1,2-Trichloroethane
Concen: 4.385 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 97 Resp: 731

Ion	Ratio	Lower	Upper
97	100		
83	85.3	68.1	102.1
85	60.1	48.2	72.2
99	57.6	49.5	74.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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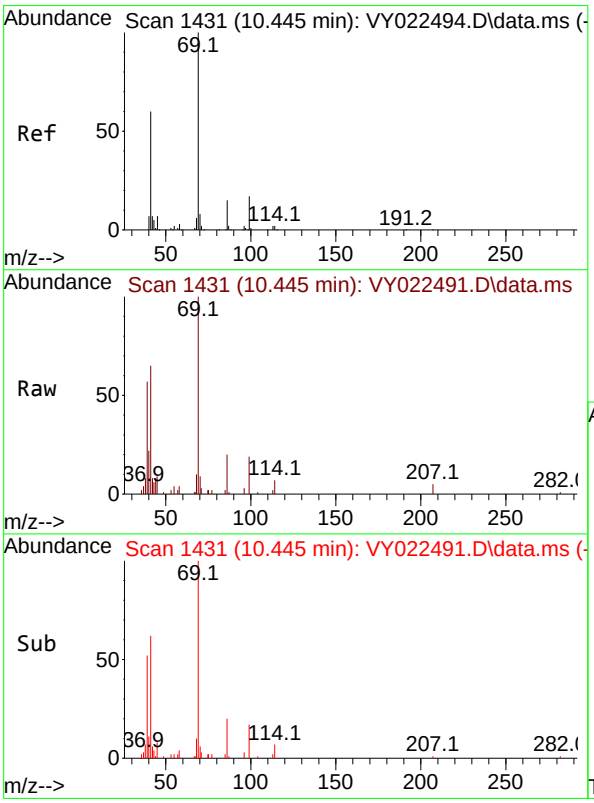
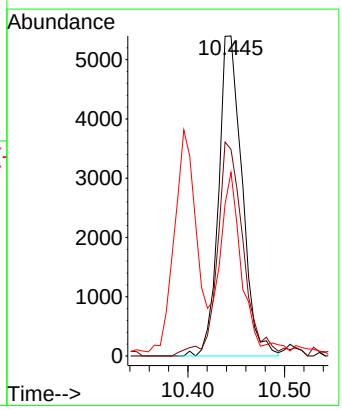
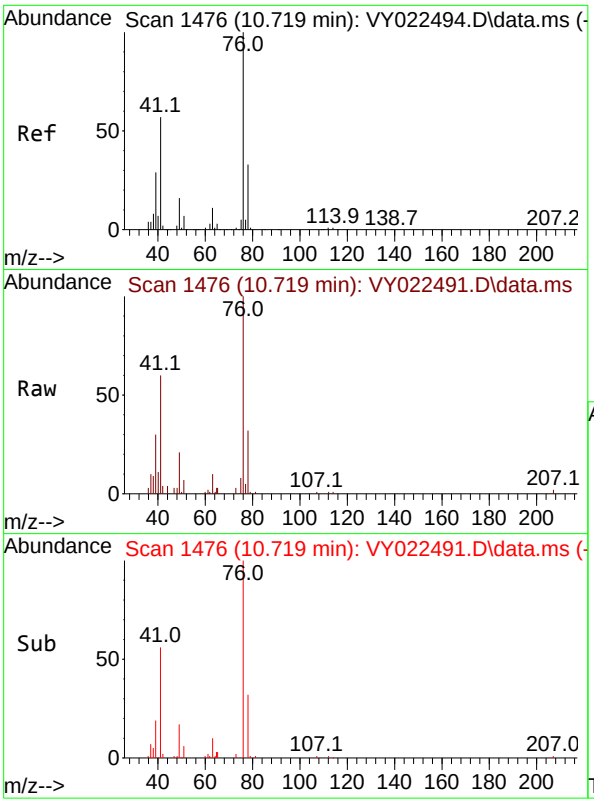


#56
Ethyl methacrylate
Concen: 3.751 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 69 Resp: 9092

Ion	Ratio	Lower	Upper
69	100		
41	73.4	52.2	78.2
39	46.3	36.7	55.1





#57
1,3-Dichloropropane
Concen: 4.255 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 76 Resp: 1264

Ion	Ratio	Lower	Upper
76	100		
78	33.6	25.8	38.8

Instrument :
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ClientSampleId :
VSTDICC005

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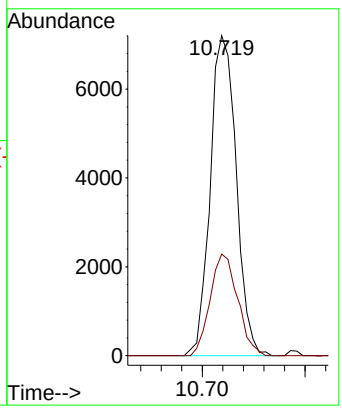
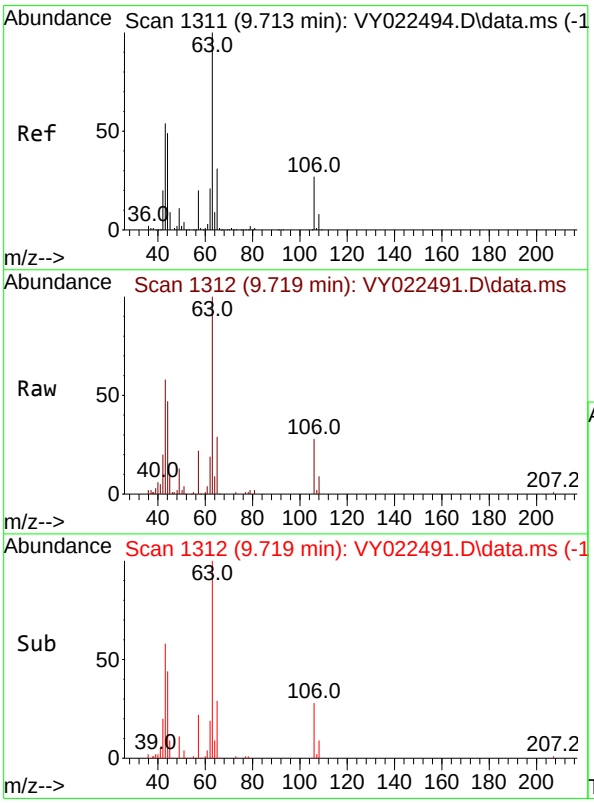
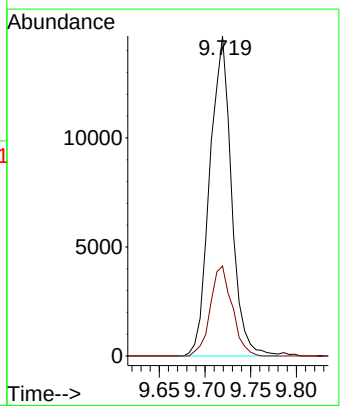


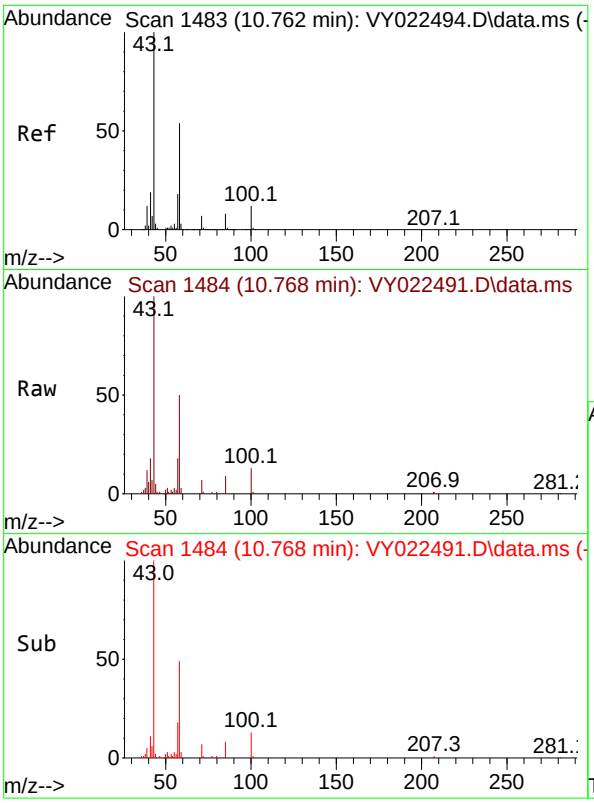


#58
2-Chloroethyl Vinyl ether
Concen: 22.409 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 63 Resp: 24214

Ion	Ratio	Lower	Upper
63	100		
106	28.3	21.6	32.4





#59
2-Hexanone
Concen: 19.832 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 43 Resp: 2124

Ion	Ratio	Lower	Upper
43	100		
58	50.4	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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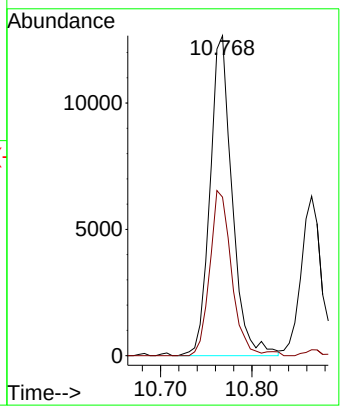
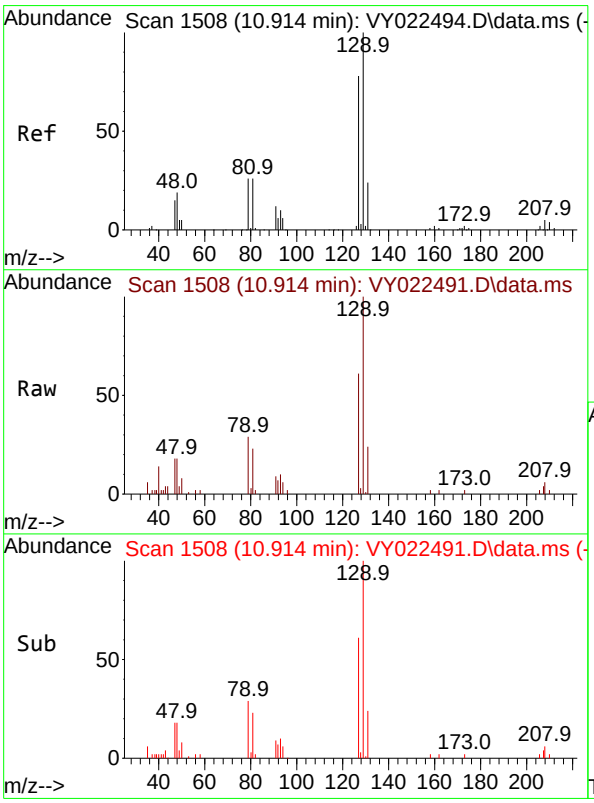
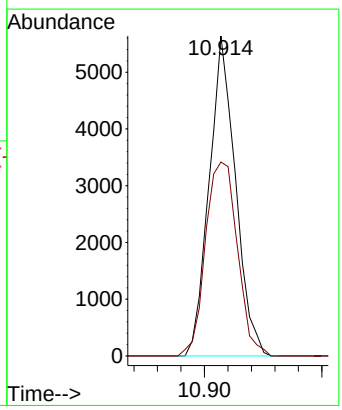


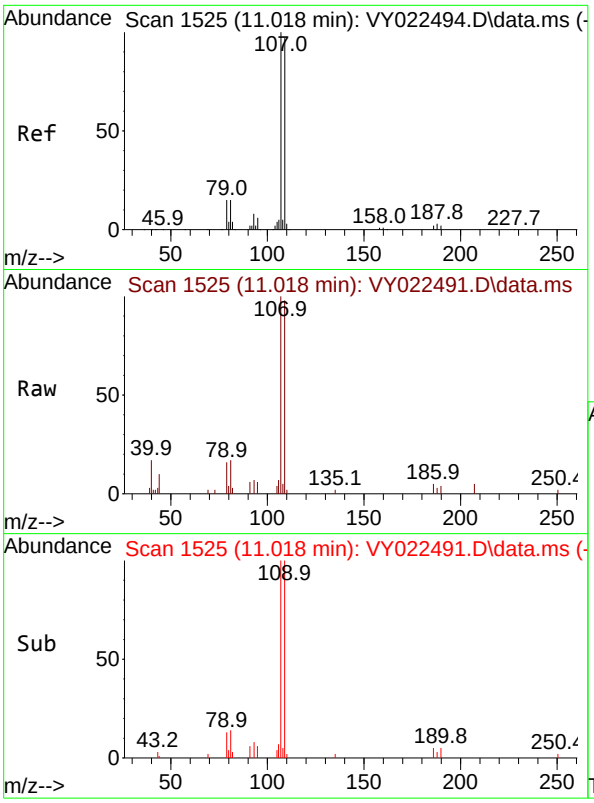


#60
Dibromochloromethane
Concen: 4.152 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:129 Resp: 8781

Ion	Ratio	Lower	Upper
129	100		
127	73.3	39.1	117.2





#61
1,2-Dibromoethane
Concen: 3.991 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:107 Resp: 614

Ion	Ratio	Lower	Upper
107	100		
109	96.8	77.7	116.5

Instrument :
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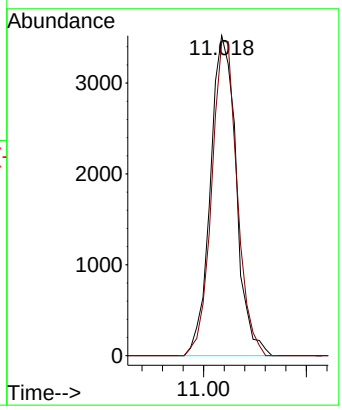
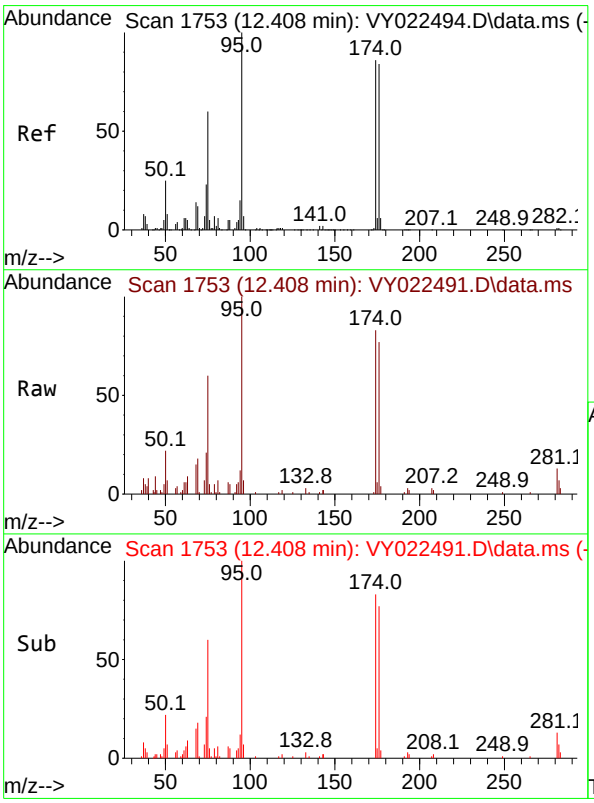
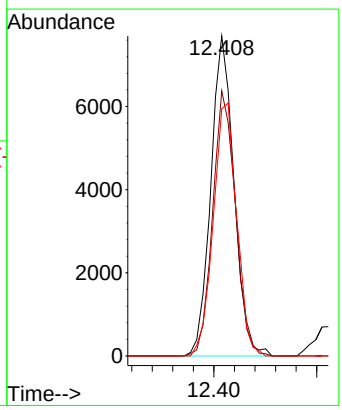


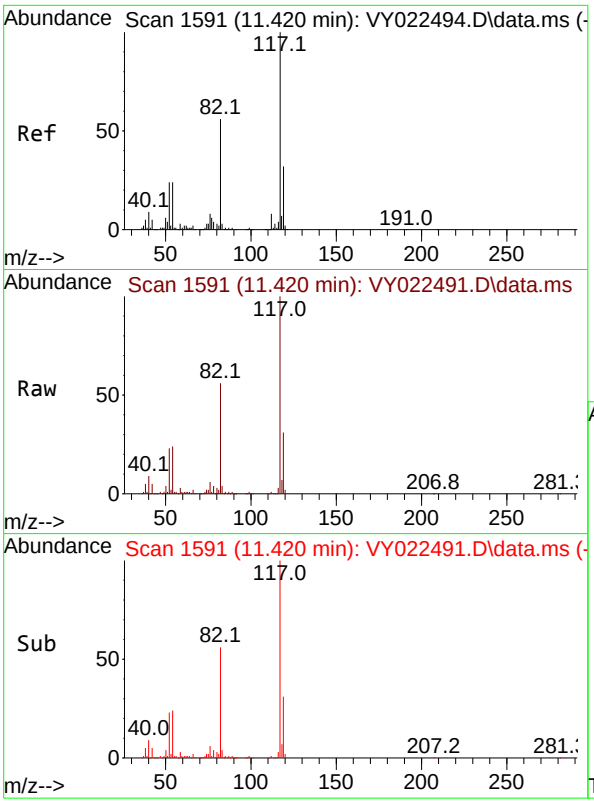


#62
4-Bromofluorobenzene
Concen: 4.697 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 95 Resp: 11988

Ion	Ratio	Lower	Upper
95	100		
174	81.7	0.0	170.0
176	80.2	0.0	166.2

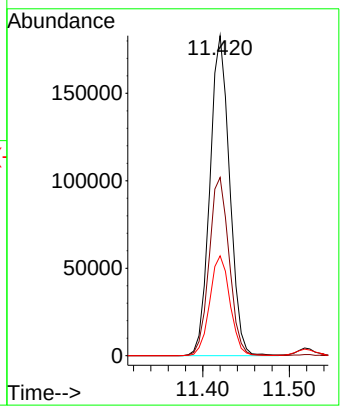




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:117 Resp: 28939

Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.6	66.8
119	31.2	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
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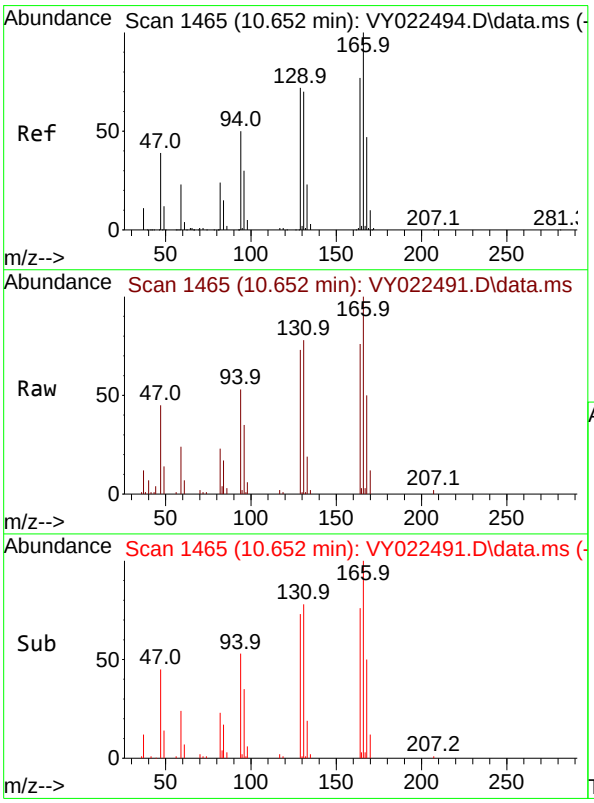
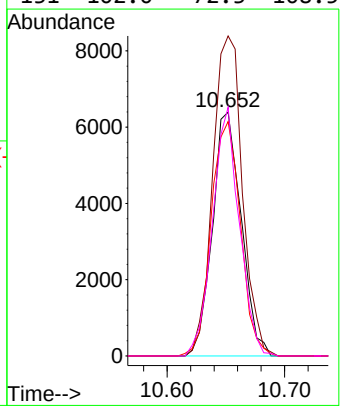
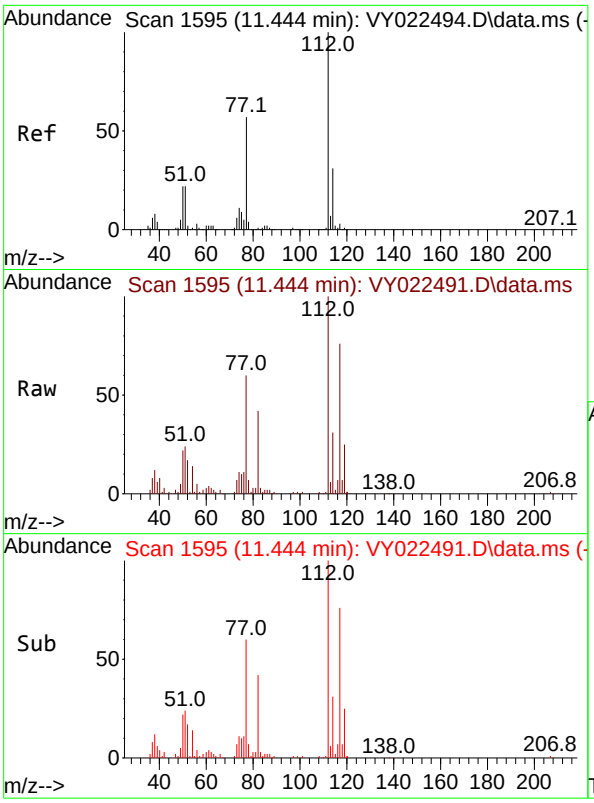


#64
Tetrachloroethene
Concen: 4.417 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:164 Resp: 10863

Ion	Ratio	Lower	Upper
164	100		
166	131.2	104.0	156.0
129	96.1	74.5	111.7
131	102.0	72.3	108.5





#65
Chlorobenzene
Concen: 4.377 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:112 Resp: 2746

Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.0	37.6

Instrument :
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ClientSampleId :
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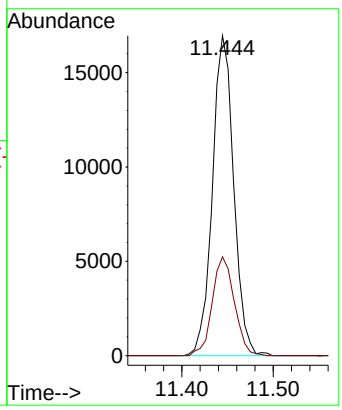
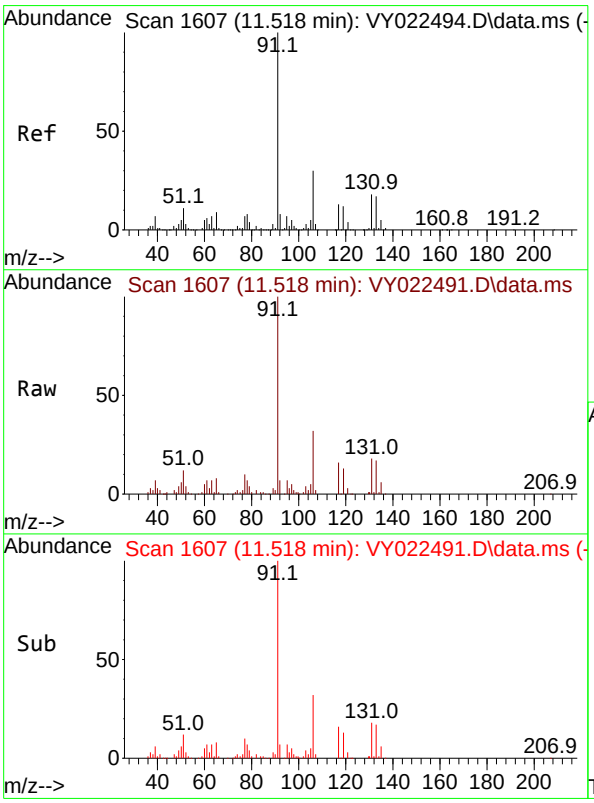
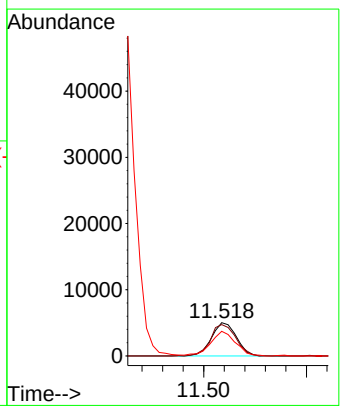


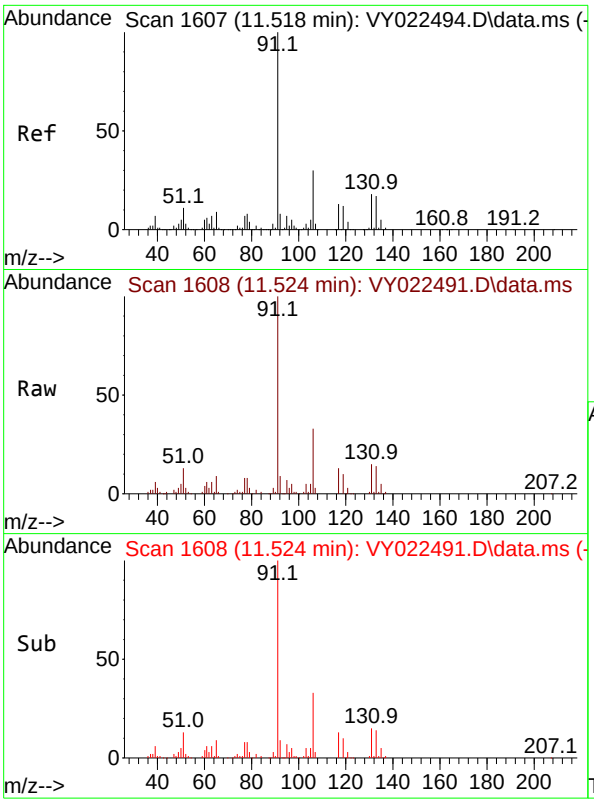


#66
1,1,1,2-Tetrachloroethane
Concen: 3.959 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:131 Resp: 8422

Ion	Ratio	Lower	Upper
131	100		
133	96.8	47.3	141.8
119	74.3	33.1	99.3

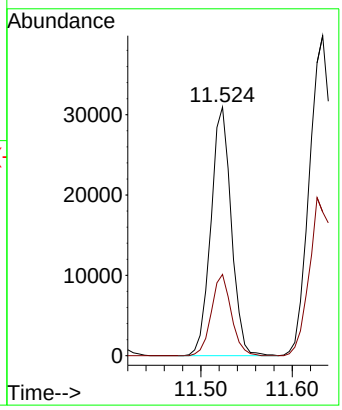




#67
Ethyl Benzene
Concen: 4.098 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 91 Resp: 4788

Ion	Ratio	Lower	Upper
91	100		
106	32.7	24.2	36.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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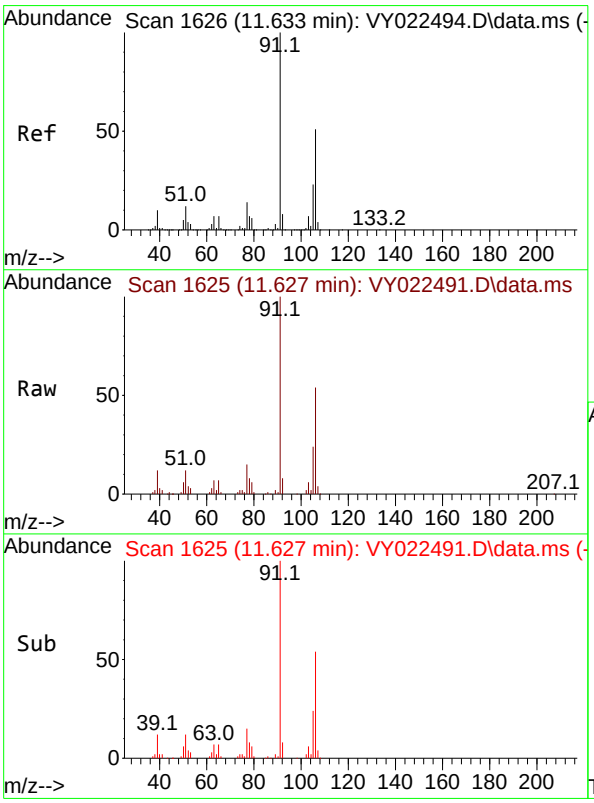
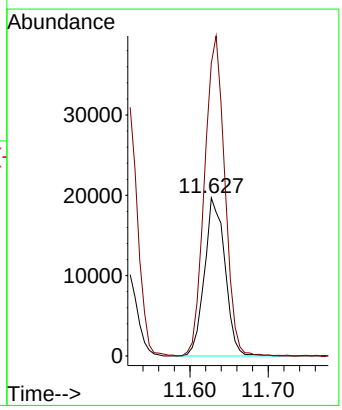
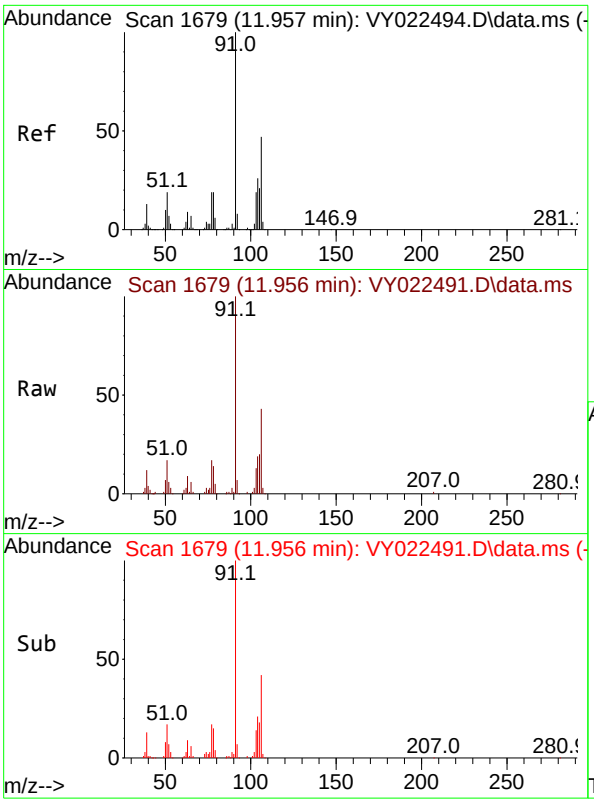


#68
m/p-Xylenes
Concen: 8.060 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:106 Resp: 35645

Ion	Ratio	Lower	Upper
106	100		
91	200.7	159.4	239.0





#69
o-Xylene
Concen: 4.075 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:106 Resp: 1686

Ion	Ratio	Lower	Upper
106	100		
91	219.4	105.8	317.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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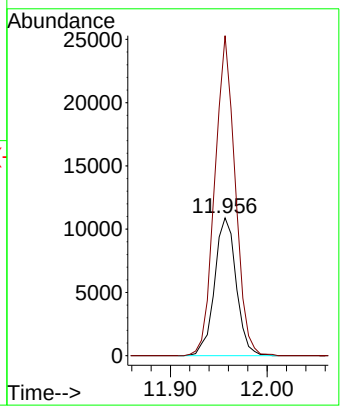
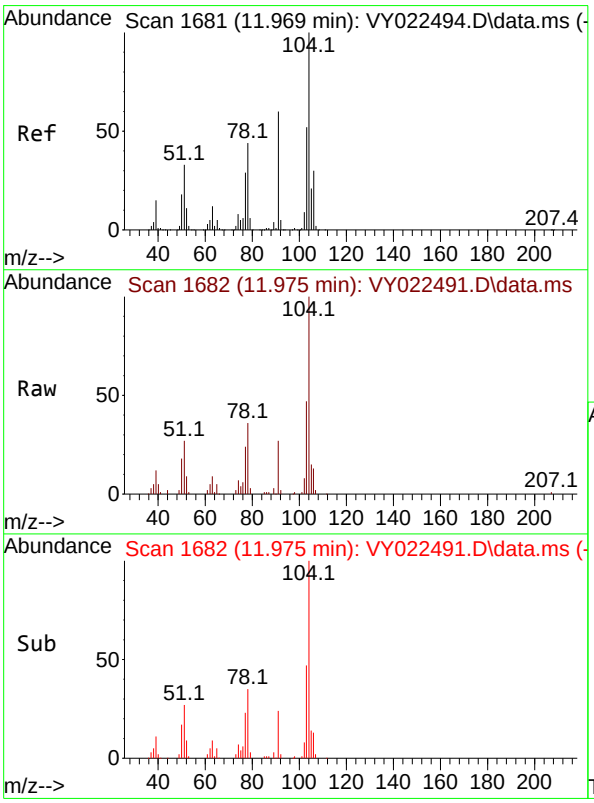
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

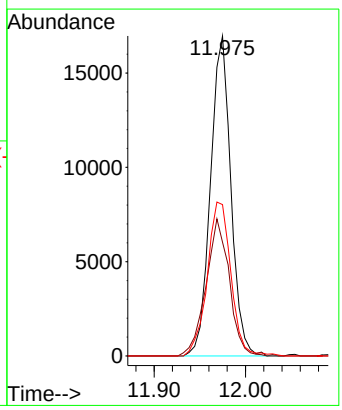


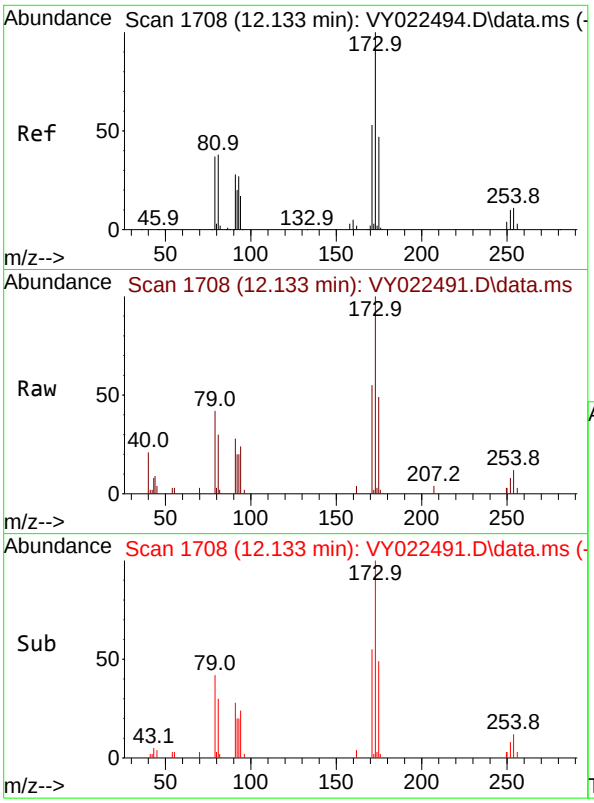


#70
Styrene
Concen: 3.840 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:104 Resp: 26313

Ion	Ratio	Lower	Upper
104	100		
78	48.8	39.5	59.3
103	55.8	44.1	66.1

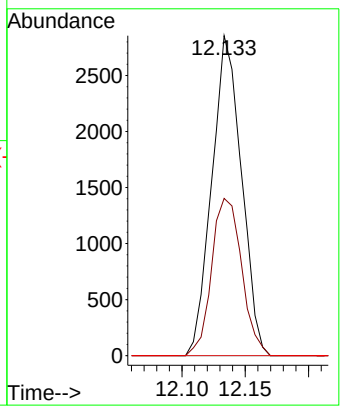




#71
Bromoform
Concen: 4.159 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:173 Resp: 464

Ion	Ratio	Lower	Upper
173	100		
175	49.9	23.8	71.5
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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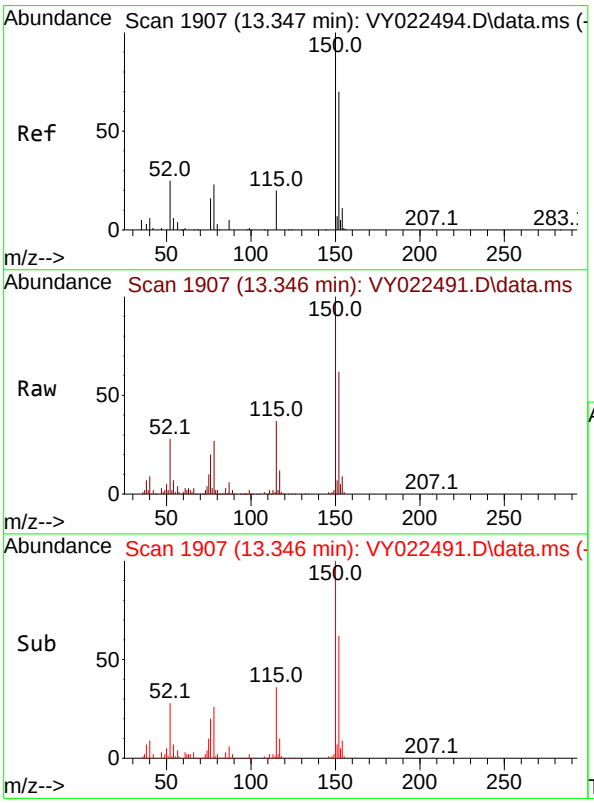
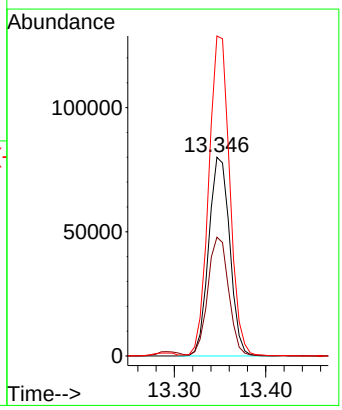
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

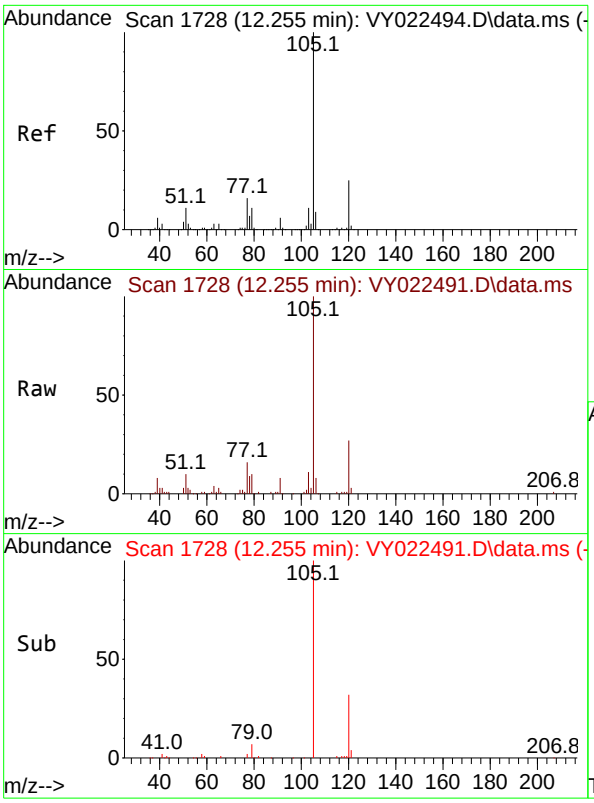


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:152 Resp: 127807

Ion	Ratio	Lower	Upper
152	100		
115	59.2	28.9	86.7
150	160.5	0.0	349.6

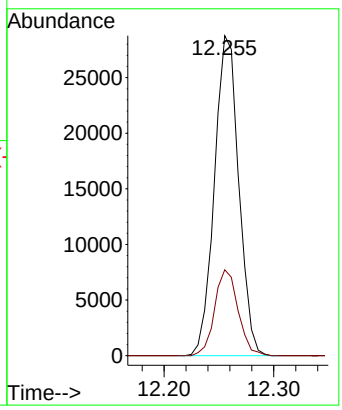




#73
Isopropylbenzene
Concen: 4.307 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:105 Resp: 4435

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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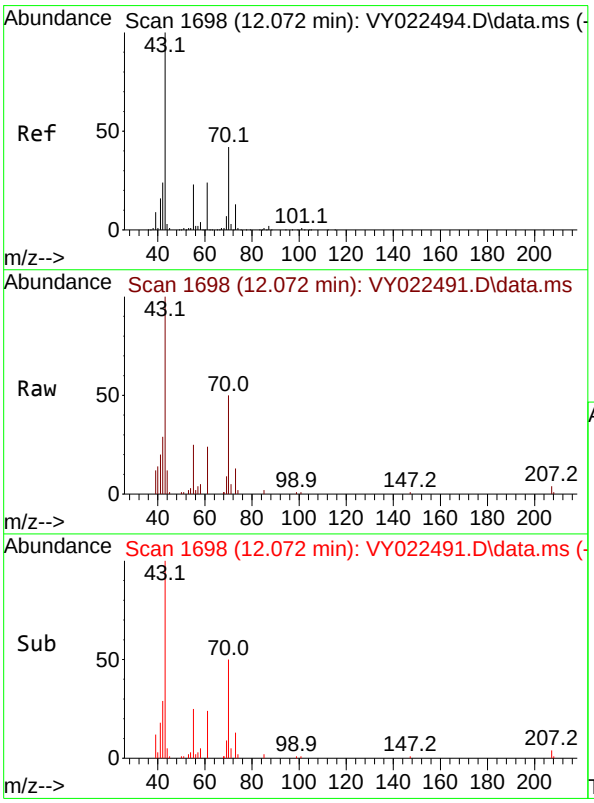
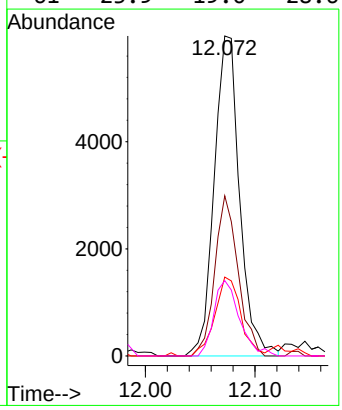
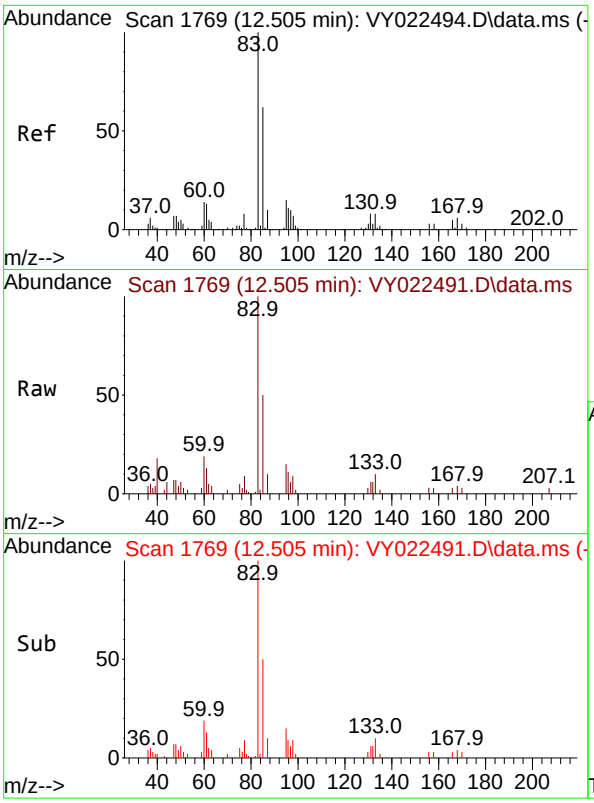


#74
N-amyl acetate
Concen: 3.699 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 43 Resp: 9632

Ion	Ratio	Lower	Upper
43	100		
70	45.9	34.2	51.2
55	25.1	18.2	27.4
61	23.9	19.0	28.6

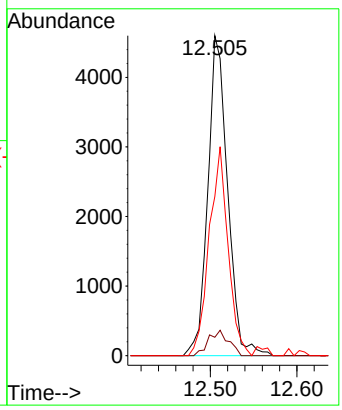




#75
1,1,2,2-Tetrachloroethane
Concen: 4.359 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 83 Resp: 728

Ion	Ratio	Lower	Upper
83	100		
131	8.1	4.9	14.7
85	62.4	32.6	97.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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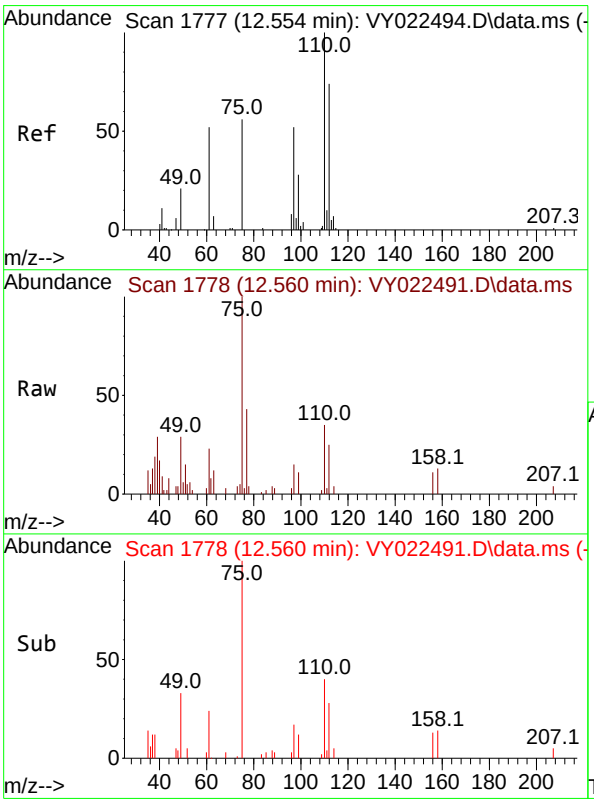
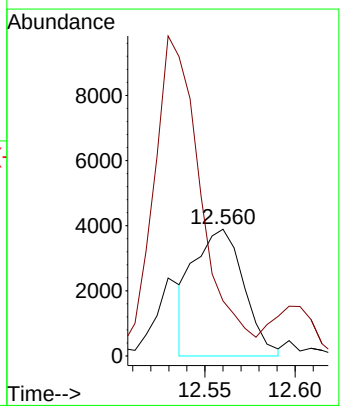
Supervised By :Mahesh Dadoda 06/03/2025

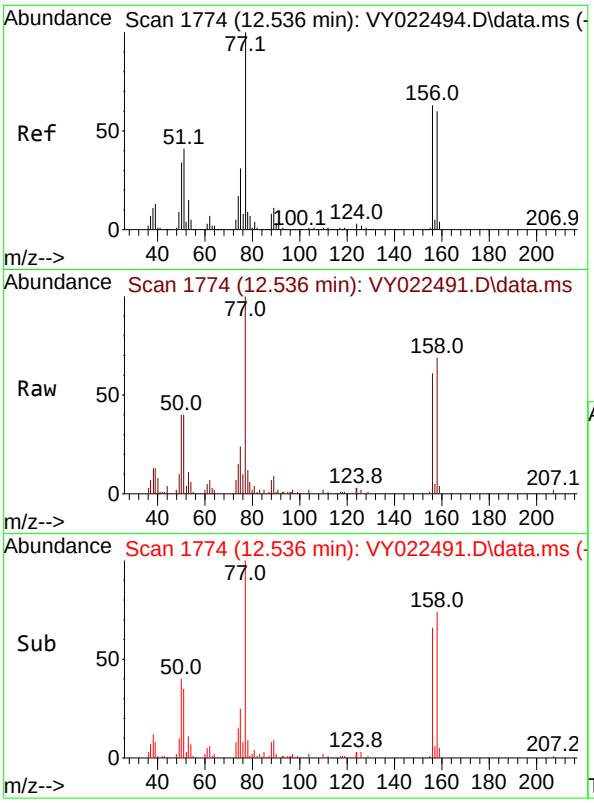


#76
1,2,3-Trichloropropane
Concen: 4.432 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 75 Resp: 7478

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

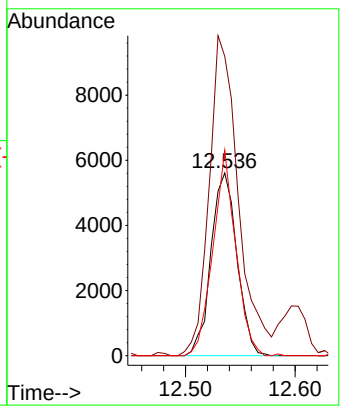




#77
Bromobenzene
Concen: 4.234 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:156 Resp: 924

Ion	Ratio	Lower	Upper
156	100		
77	196.5	94.0	282.1
158	98.9	48.2	144.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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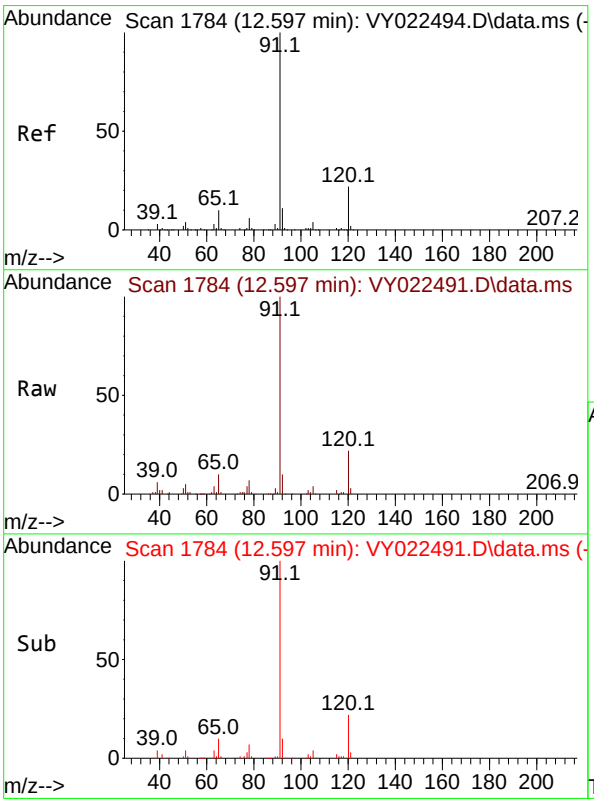
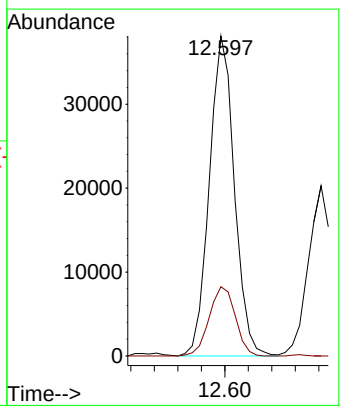
Supervised By :Mahesh Dadoda 06/03/2025

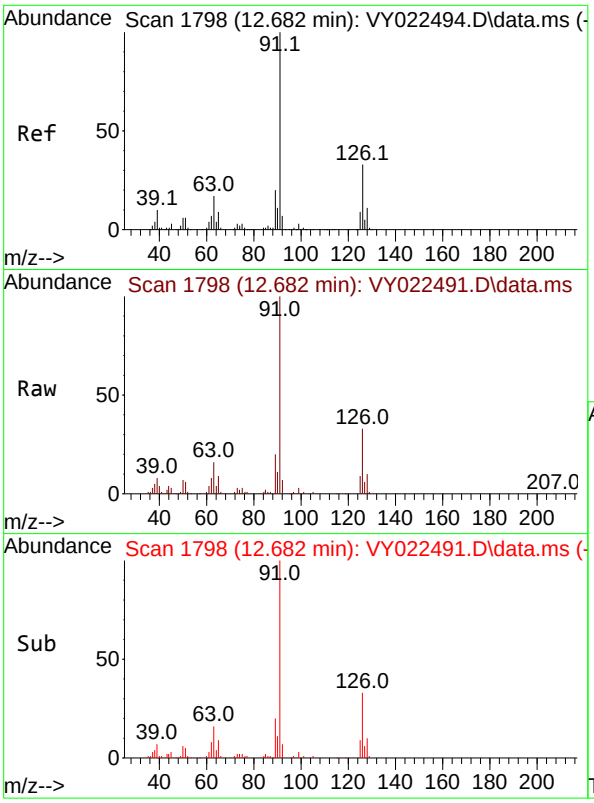


#78
n-propylbenzene
Concen: 4.511 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 91 Resp: 56543

Ion	Ratio	Lower	Upper
91	100		
120	22.5	10.8	32.4

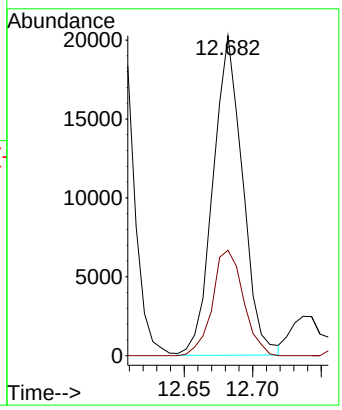




#79
2-Chlorotoluene
Concen: 4.591 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 91 Resp: 3038

Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.0	51.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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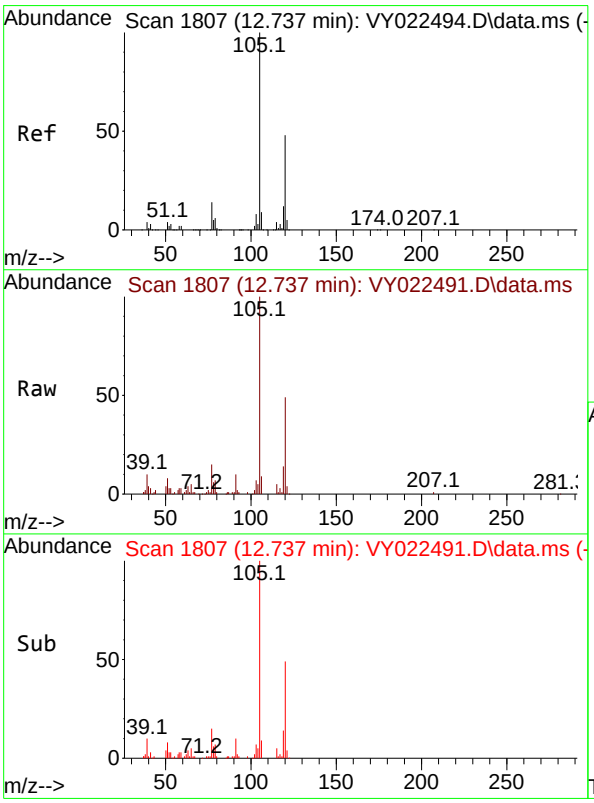
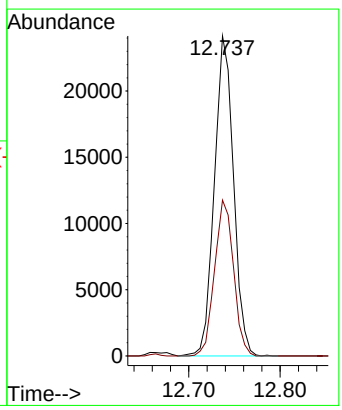
Supervised By :Mahesh Dadoda 06/03/2025

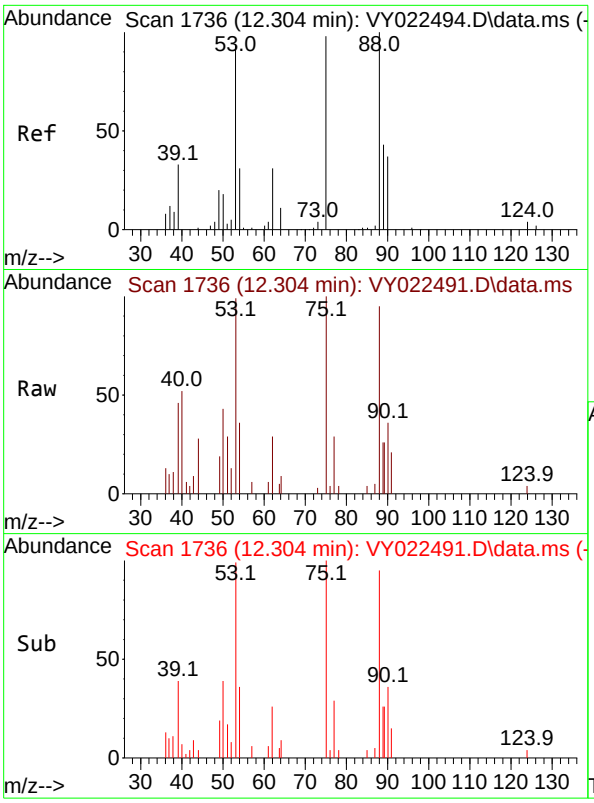


#80
1,3,5-Trimethylbenzene
Concen: 4.362 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:105 Resp: 35122

Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.1	72.4





#81
trans-1,4-Dichloro-2-butene
Concen: 4.411 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 75 Resp: 259

Ion	Ratio	Lower	Upper
75	100		
53	99.3	78.5	117.7
89	51.7	35.7	53.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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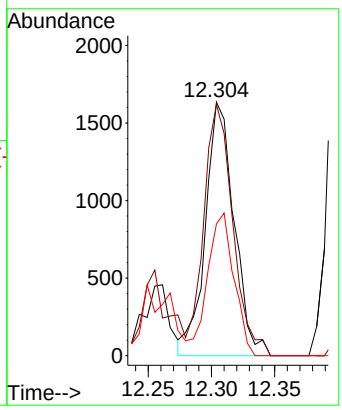
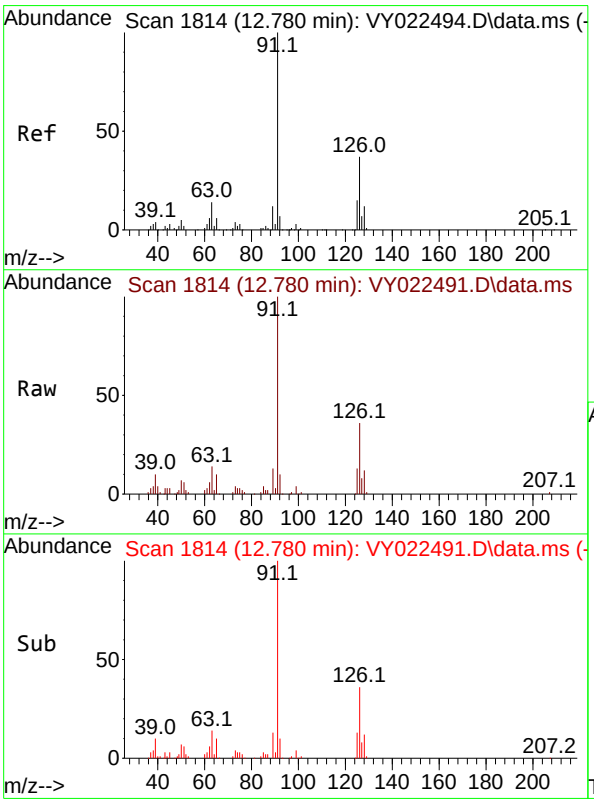
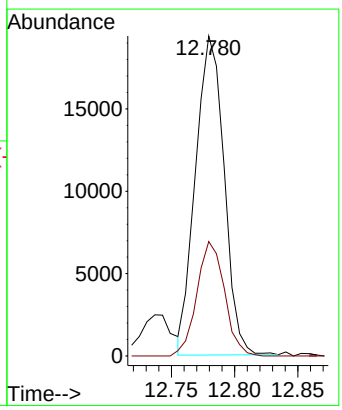


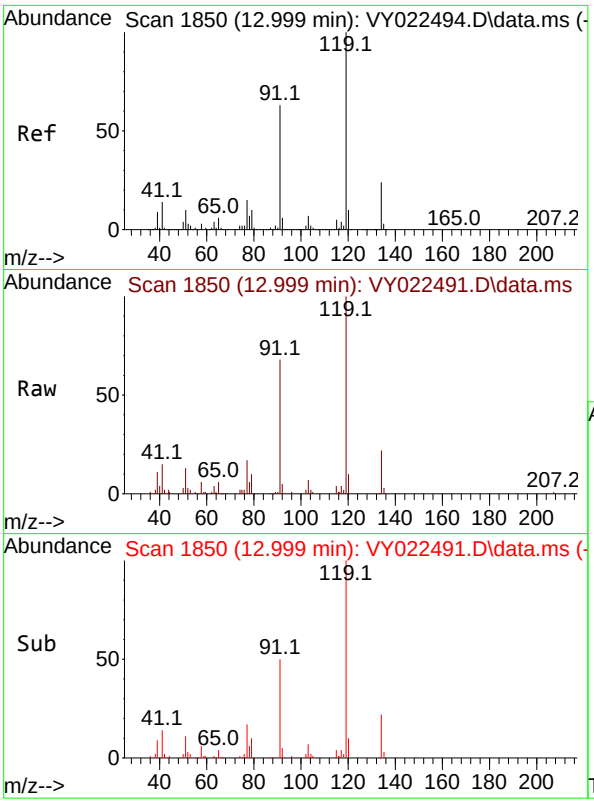


#82
4-Chlorotoluene
Concen: 4.447 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 91 Resp: 30501

Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.0	50.9

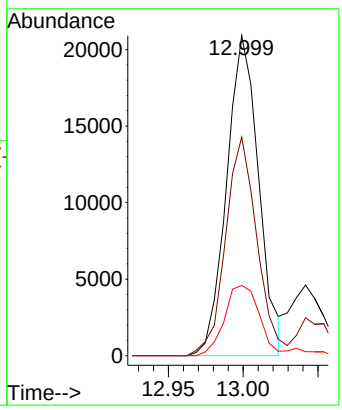




#83
tert-Butylbenzene
Concen: 4.252 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:119 Resp: 3123

Ion	Ratio	Lower	Upper
119	100		
91	67.0	32.1	96.3
134	23.9	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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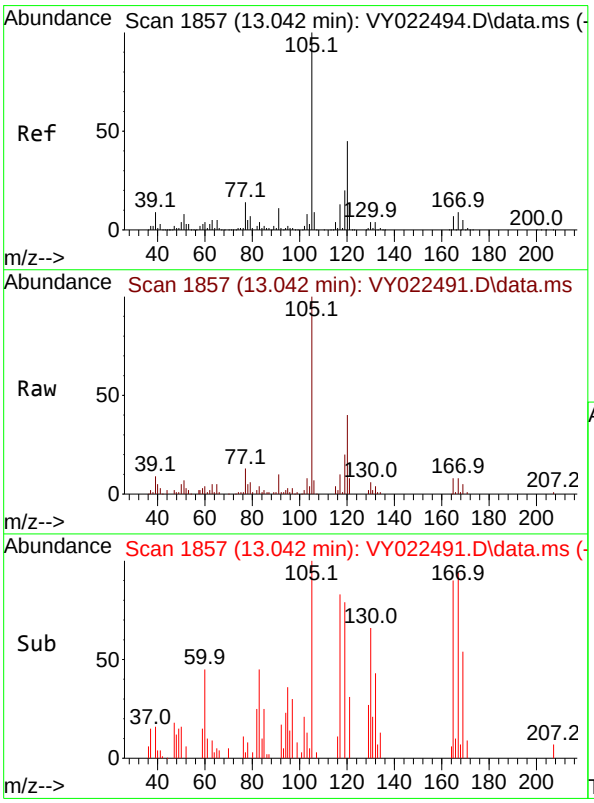
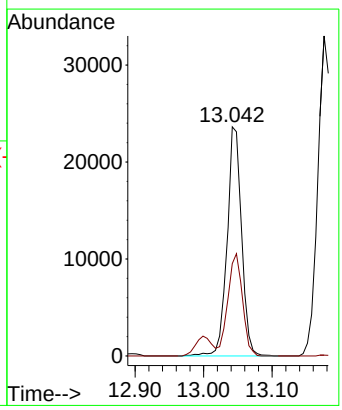
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

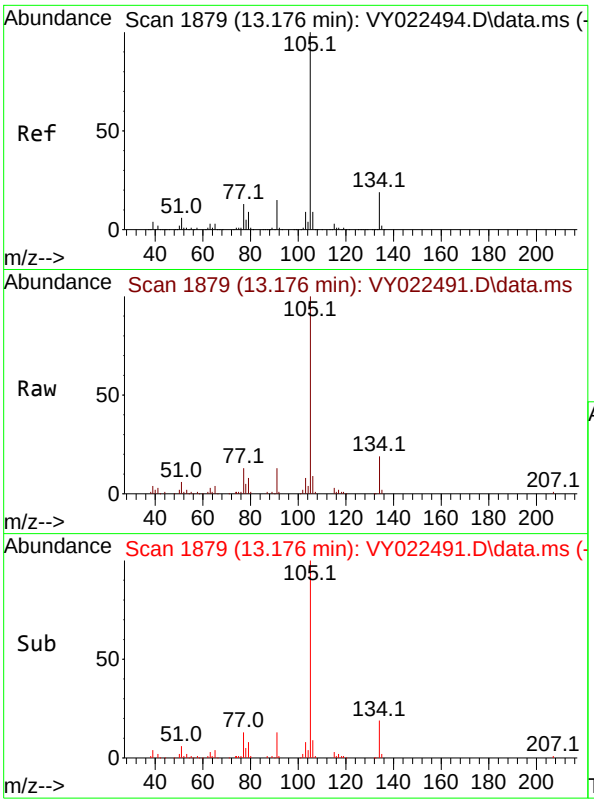


#84
1,2,4-Trimethylbenzene
Concen: 4.314 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:105 Resp: 34752

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.7	68.1

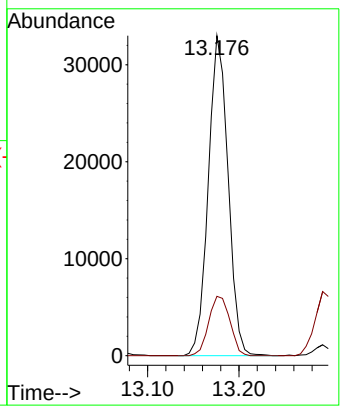




#85
sec-Butylbenzene
Concen: 4.449 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:105 Resp: 4954

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.7	28.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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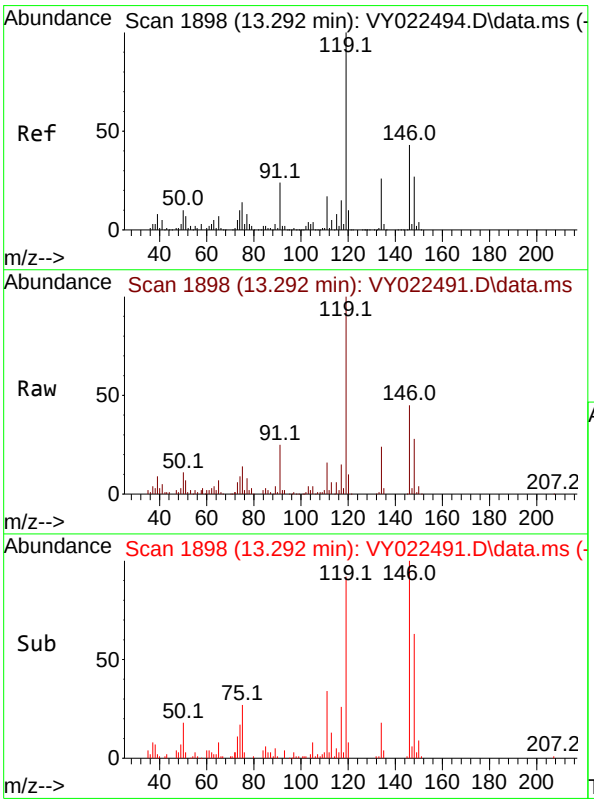
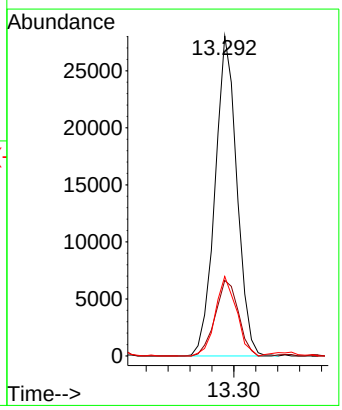
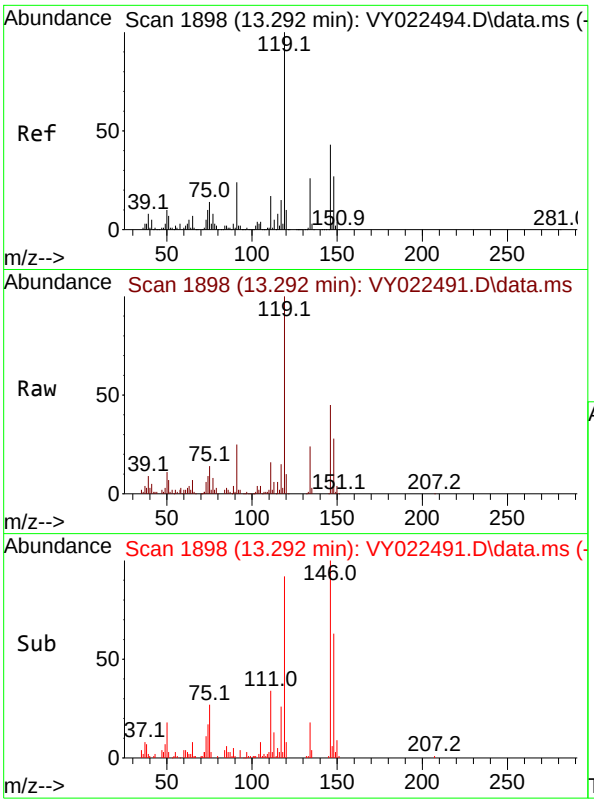


#86
p-Isopropyltoluene
Concen: 4.240 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:119 Resp: 38822

Ion	Ratio	Lower	Upper
119	100		
134	25.0	13.1	39.1
91	24.2	11.6	34.8





#87
1,3-Dichlorobenzene
Concen: 4.431 ug/l
RT: 13.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

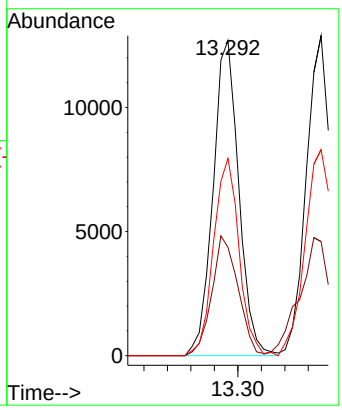
Tgt Ion:146 Resp: 1935

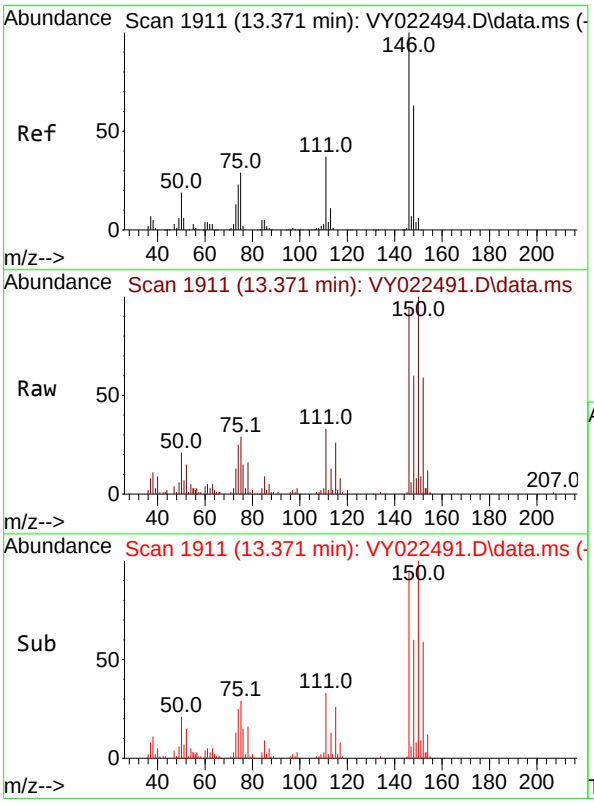
Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.1	60.2
148	61.9	32.1	96.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

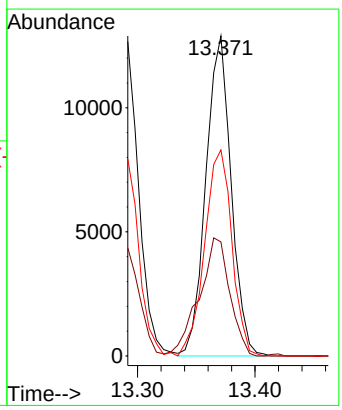


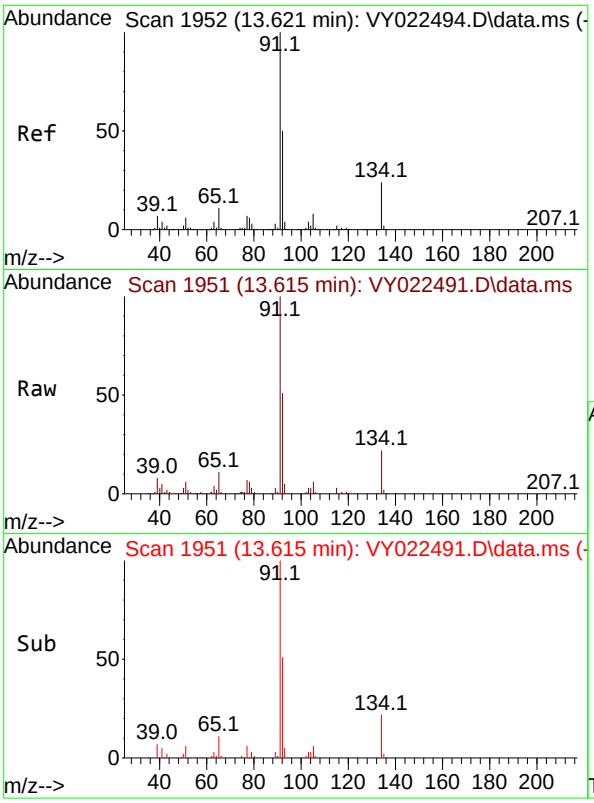


#88
1,4-Dichlorobenzene
Concen: 4.529 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:146 Resp: 19268

Ion	Ratio	Lower	Upper
146	100		
111	44.9	19.4	58.2
148	69.5	31.6	94.8

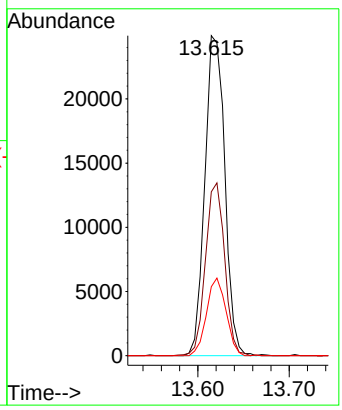




#89
n-Butylbenzene
Concen: 4.333 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 91 Resp: 3777

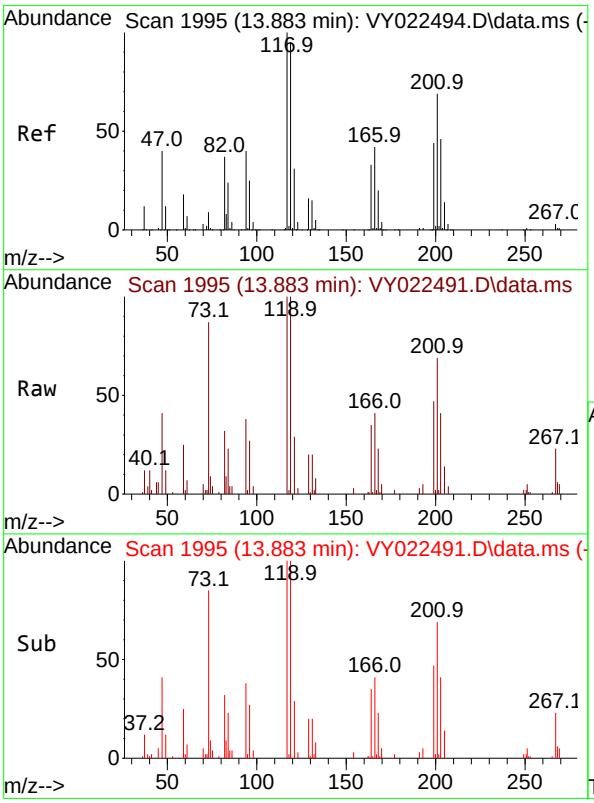
Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.9	77.8
134	23.8	12.0	36.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

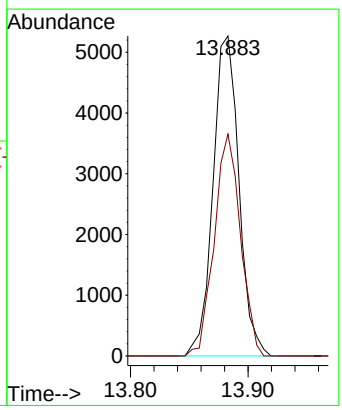
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

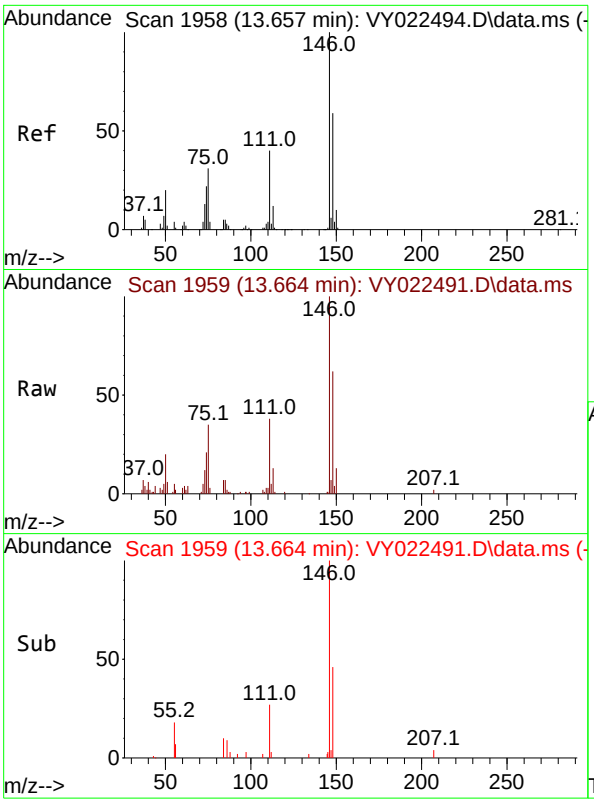


#90
Hexachloroethane
Concen: 4.506 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:117 Resp: 8072

Ion	Ratio	Lower	Upper
117	100		
201	69.9	34.0	102.0

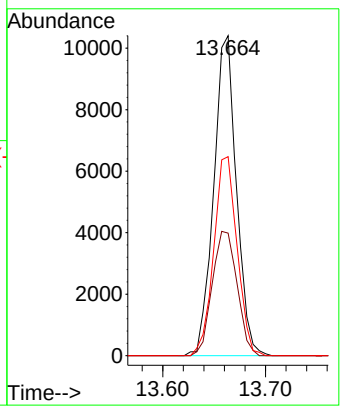




#91
1,2-Dichlorobenzene
Concen: 4.244 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:146 Resp: 1592

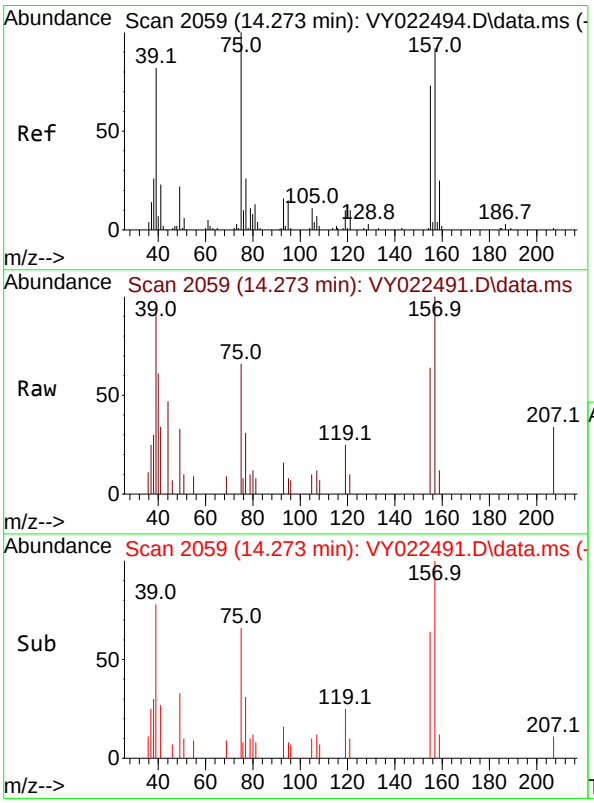
Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.2	60.6
148	64.0	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

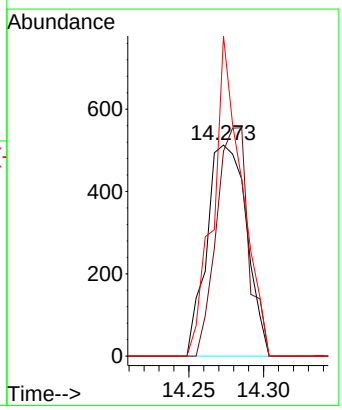
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

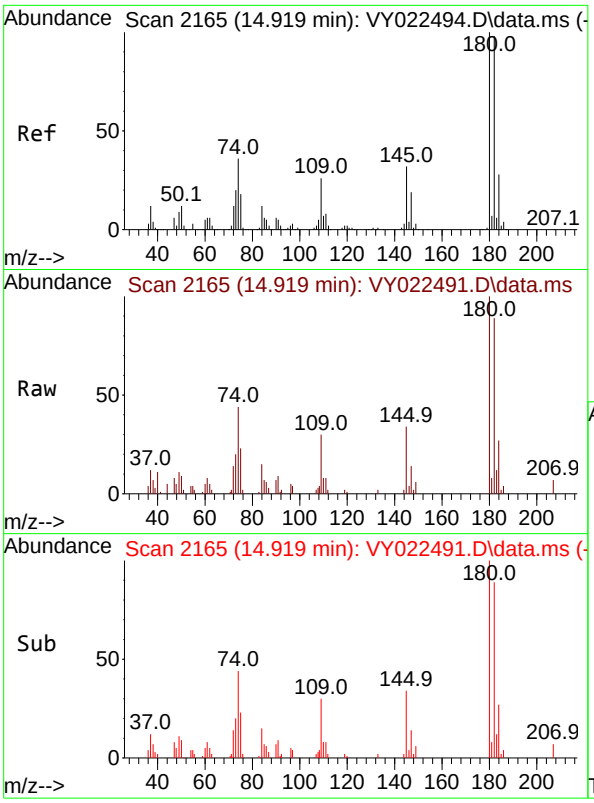


#92
1,2-Dibromo-3-Chloropropane
Concen: 3.754 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 75 Resp: 949

Ion	Ratio	Lower	Upper
75	100		
155	87.0	39.9	119.6
157	109.5	54.0	162.0

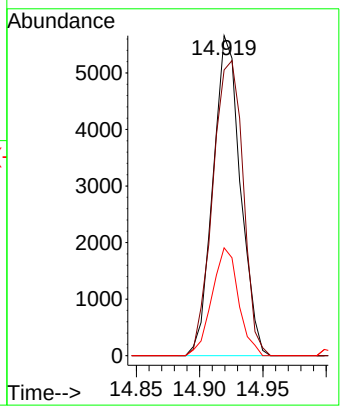




#93
1,2,4-Trichlorobenzene
Concen: 4.159 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:180 Resp: 852

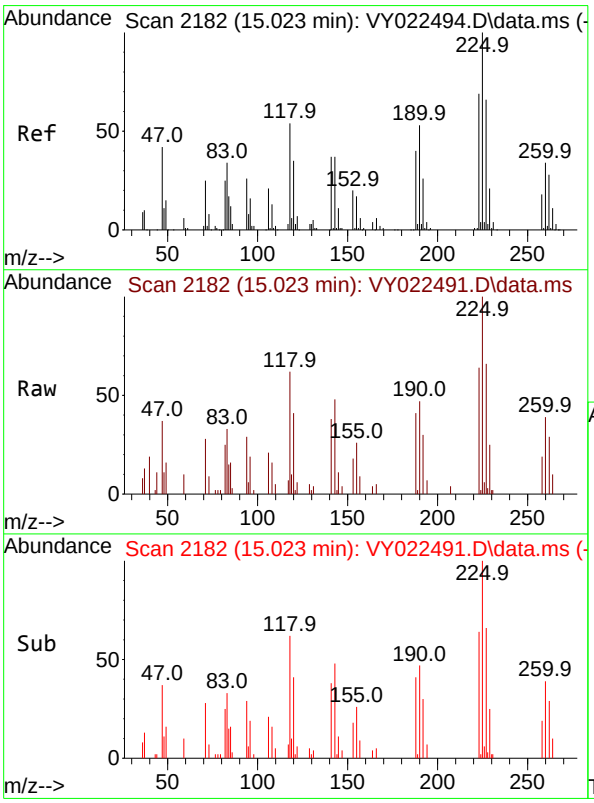
Ion	Ratio	Lower	Upper
180	100		
182	101.9	48.4	145.3
145	32.6	15.5	46.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

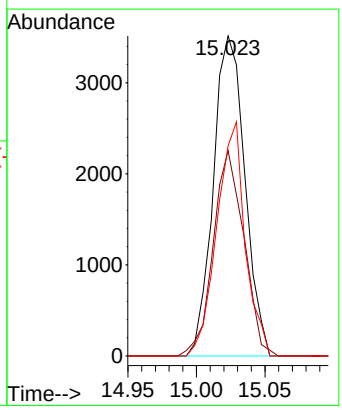
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

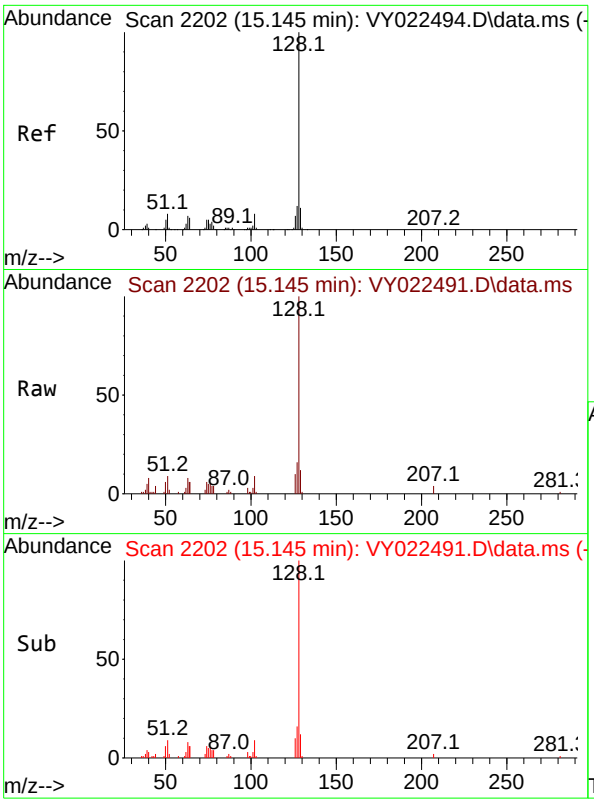


#94
Hexachlorobutadiene
Concen: 5.024 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:225 Resp: 5627

Ion	Ratio	Lower	Upper
225	100		
223	62.4	32.5	97.4
227	65.6	32.3	96.9

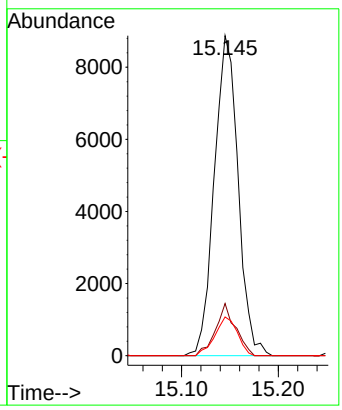




#95
Naphthalene
Concen: 3.859 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:128 Resp: 1516

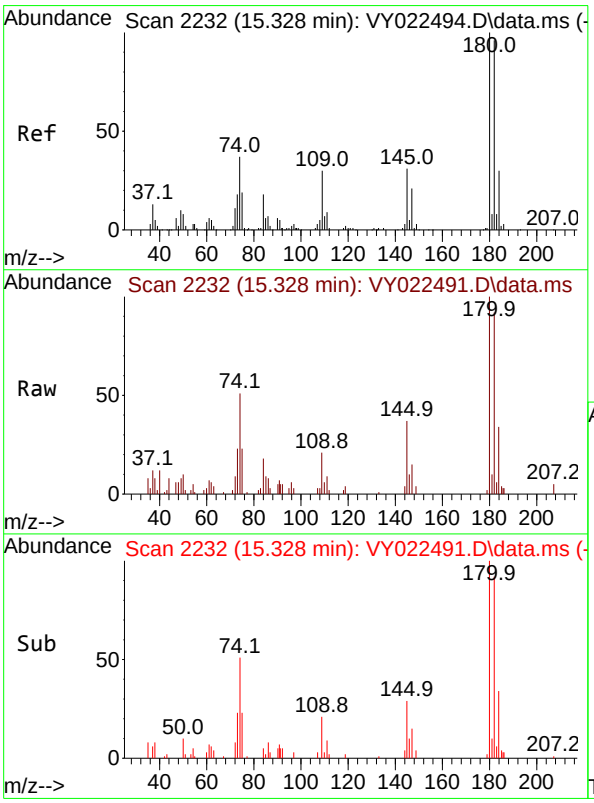
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.4	15.6
129	11.4	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

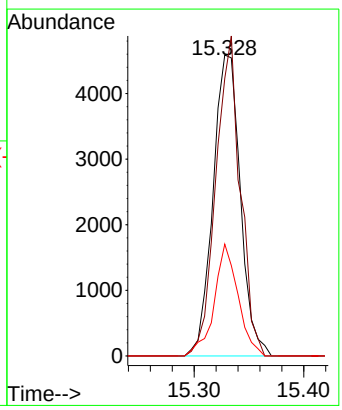
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.563 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:180 Resp: 7952

Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.1	141.3
145	32.5	15.2	45.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022492.D
Acq On : 02 Jun 2025 12:09
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Jun 03 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	211235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	366386	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	302825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	137338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	24246	10.549	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	21.100%#		
35) Dibromofluoromethane	7.646	113	20743	9.617	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.240%#		
50) Toluene-d8	10.109	98	86561	9.930	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.860%#		
62) 4-Bromofluorobenzene	12.408	95	24870	9.409	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	18.820%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	22911	12.412	ug/l	99
3) Chloromethane	2.068	50	67191	12.339	ug/l	99
4) Vinyl Chloride	2.202	62	76656	12.027	ug/l	97
5) Bromomethane	2.598	94	73289	12.157	ug/l	99
6) Chloroethane	2.739	64	53992	12.374	ug/l	99
7) Trichlorofluoromethane	3.056	101	63044	11.642	ug/l	97
8) Diethyl Ether	3.458	74	14144	11.826	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.824	101	25997	11.445	ug/l	99
10) Methyl Iodide	4.007	142	25590	10.505	ug/l	99
11) Tert butyl alcohol	4.891	59	9732	59.275	ug/l #	73
12) 1,1-Dichloroethene	3.799	96	24370	11.240	ug/l	99
13) Acrolein	3.671	56	9650	48.151	ug/l	94
14) Allyl chloride	4.391	41	38482	11.389	ug/l	95
15) Acrylonitrile	5.073	53	29150	57.299	ug/l	99
16) Acetone	3.885	43	25066	55.166	ug/l	98
17) Carbon Disulfide	4.110	76	79008	11.413	ug/l	99
18) Methyl Acetate	4.397	43	17228	12.603	ug/l	97
19) Methyl tert-butyl Ether	5.128	73	68336	11.296	ug/l	95
20) Methylene Chloride	4.622	84	29569	11.655	ug/l	96
21) trans-1,2-Dichloroethene	5.128	96	27493	11.350	ug/l	88
22) Diisopropyl ether	6.031	45	83814	11.156	ug/l	96
23) Vinyl Acetate	5.970	43	241364	54.152	ug/l	99
24) 1,1-Dichloroethane	5.927	63	50391	11.346	ug/l	96
25) 2-Butanone	6.909	43	36756	54.840	ug/l	95
26) 2,2-Dichloropropane	6.890	77	43605	11.045	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	30873	11.028	ug/l	99
28) Bromochloromethane	7.256	49	20132	10.491	ug/l	99
29) Tetrahydrofuran	7.274	42	25001	57.822	ug/l	97
30) Chloroform	7.427	83	49990	11.391	ug/l	89
31) Cyclohexane	7.707	56	51050	11.422	ug/l #	95
32) 1,1,1-Trichloroethane	7.628	97	43454	11.080	ug/l	97
36) 1,1-Dichloropropene	7.841	75	37532	10.765	ug/l	99
37) Ethyl Acetate	6.994	43	15914	10.371	ug/l #	93
38) Carbon Tetrachloride	7.829	117	37794	10.515	ug/l	100
39) Methylcyclohexane	9.115	83	49413	10.491	ug/l	97
40) Benzene	8.085	78	108934	10.600	ug/l	96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022492.D
Acq On : 02 Jun 2025 12:09
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Jun 03 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.238	41	9043m	9.151	ug/l		
42) 1,2-Dichloroethane	8.164	62	31102	11.125	ug/l		99
43) Isopropyl Acetate	8.201	43	36411	10.859	ug/l		97
44) Trichloroethene	8.865	130	28431	11.325	ug/l		91
45) 1,2-Dichloropropane	9.146	63	26665	10.884	ug/l		97
46) Dibromomethane	9.237	93	14601m	10.637	ug/l		
47) Bromodichloromethane	9.426	83	38475	11.048	ug/l		96
48) Methyl methacrylate	9.225	41	16122	10.501	ug/l		98
49) 1,4-Dioxane	9.243	88	3535	215.881	ug/l		97
51) 4-Methyl-2-Pentanone	9.999	43	88634	53.259	ug/l		100
52) Toluene	10.176	92	68265	10.565	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	34307	10.649	ug/l		95
54) cis-1,3-Dichloropropene	9.859	75	40229	10.649	ug/l		98
55) 1,1,2-Trichloroethane	10.579	97	18848	10.904	ug/l		94
56) Ethyl methacrylate	10.444	69	26171	10.426	ug/l		97
57) 1,3-Dichloropropane	10.719	76	33836	10.991	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	52396	46.819	ug/l		99
59) 2-Hexanone	10.761	43	57738	52.045	ug/l		100
60) Dibromochloromethane	10.914	129	23423	10.694	ug/l		99
61) 1,2-Dibromoethane	11.018	107	17302	10.847	ug/l		96
64) Tetrachloroethene	10.652	164	28680	11.144	ug/l		97
65) Chlorobenzene	11.444	112	70845	10.789	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	23209	10.427	ug/l		96
67) Ethyl Benzene	11.524	91	126556	10.350	ug/l		100
68) m/p-Xylenes	11.633	106	94535	20.427	ug/l		99
69) o-Xylene	11.956	106	45374	10.476	ug/l		99
70) Styrene	11.975	104	72373	10.092	ug/l		98
71) Bromoform	12.133	173	12637	10.804	ug/l	#	99
73) Isopropylbenzene	12.255	105	118344	10.695	ug/l		99
74) N-amyl acetate	12.072	43	29609	10.581	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	20264	11.276	ug/l		96
76) 1,2,3-Trichloropropane	12.560	75	16751m	9.239	ug/l		
77) Bromobenzene	12.536	156	25392	10.827	ug/l		98
78) n-propylbenzene	12.597	91	143414	10.648	ug/l		100
79) 2-Chlorotoluene	12.682	91	75325	10.591	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	91121	10.532	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	7009	11.084	ug/l		96
82) 4-Chlorotoluene	12.779	91	78689	10.676	ug/l		100
83) tert-Butylbenzene	12.999	119	81823	10.367	ug/l		97
84) 1,2,4-Trimethylbenzene	13.048	105	90848	10.495	ug/l		98
85) sec-Butylbenzene	13.176	105	127776	10.678	ug/l		100
86) p-Isopropyltoluene	13.291	119	99940	10.158	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	48971	10.437	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	49834	10.900	ug/l		98
89) n-Butylbenzene	13.621	91	97544	10.413	ug/l		99
90) Hexachloroethane	13.877	117	20466	10.631	ug/l		96
91) 1,2-Dichlorobenzene	13.663	146	43460	10.781	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3014	11.095	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	23710	10.760	ug/l		98
94) Hexachlorobutadiene	15.023	225	13179	10.951	ug/l		99
95) Naphthalene	15.145	128	44061	10.434	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	19814	10.581	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022492.D
Acq On : 02 Jun 2025 12:09
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 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

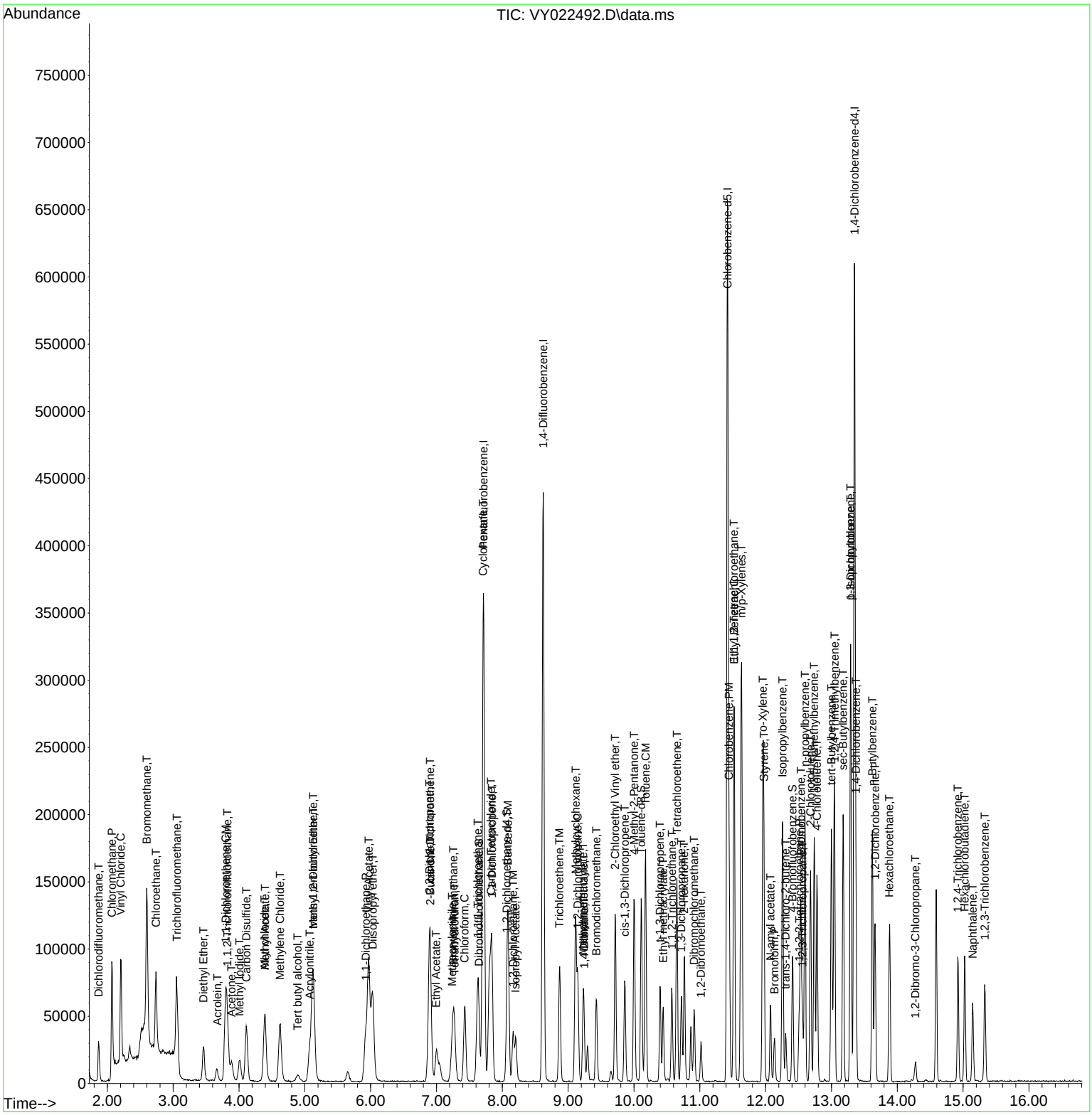
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022492.D
Acq On : 02 Jun 2025 12:09
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

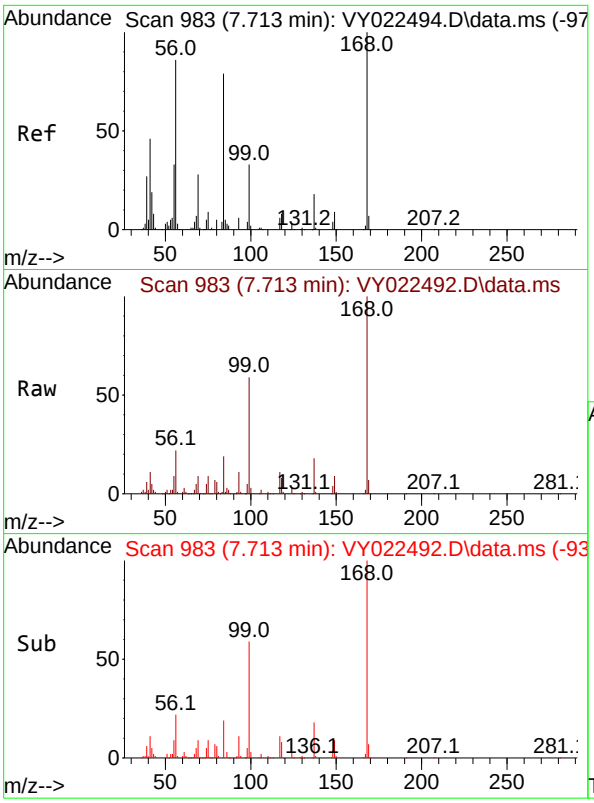
Quant Time: Jun 03 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:168 Resp: 21123

Ion	Ratio	Lower	Upper
168	100		
99	58.9	44.3	66.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

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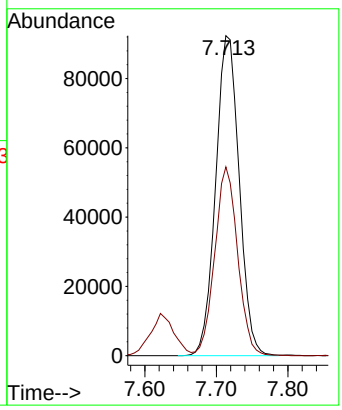
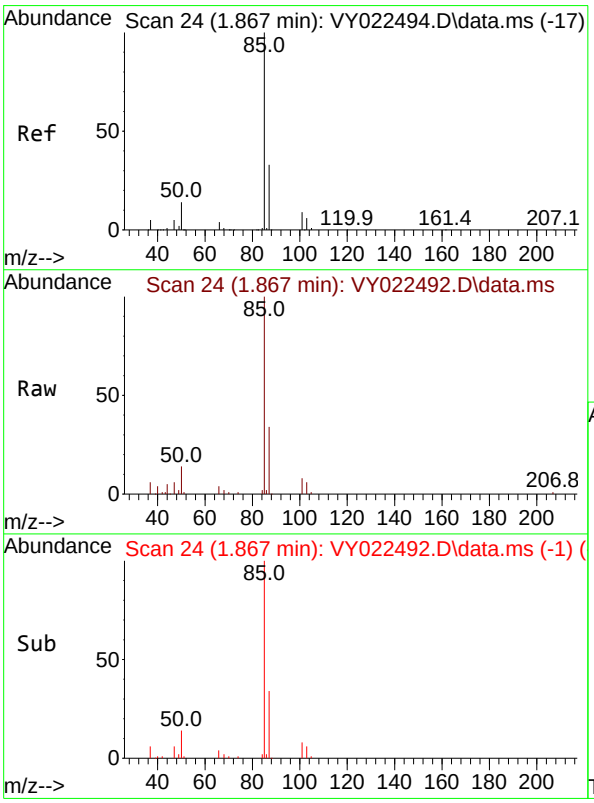
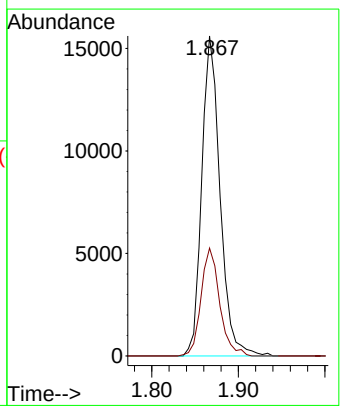


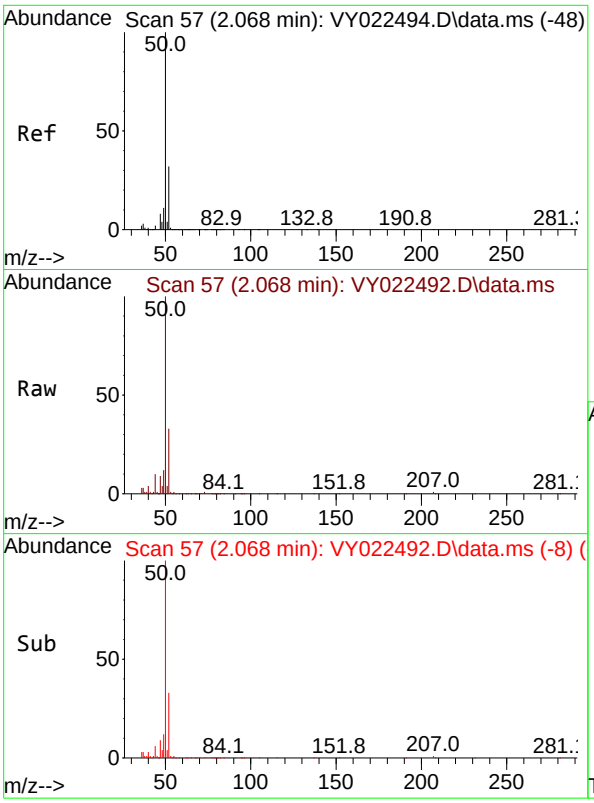


#2
Dichlorodifluoromethane
Concen: 12.412 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 85 Resp: 22911

Ion	Ratio	Lower	Upper
85	100		
87	33.7	16.7	50.0

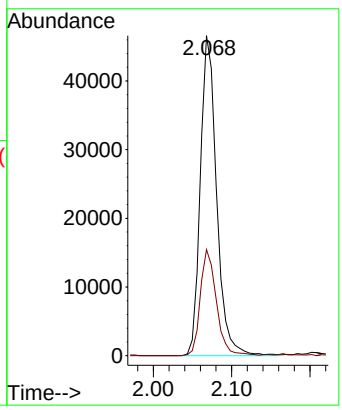




#3
Chloromethane
Concen: 12.339 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 50 Resp: 6719

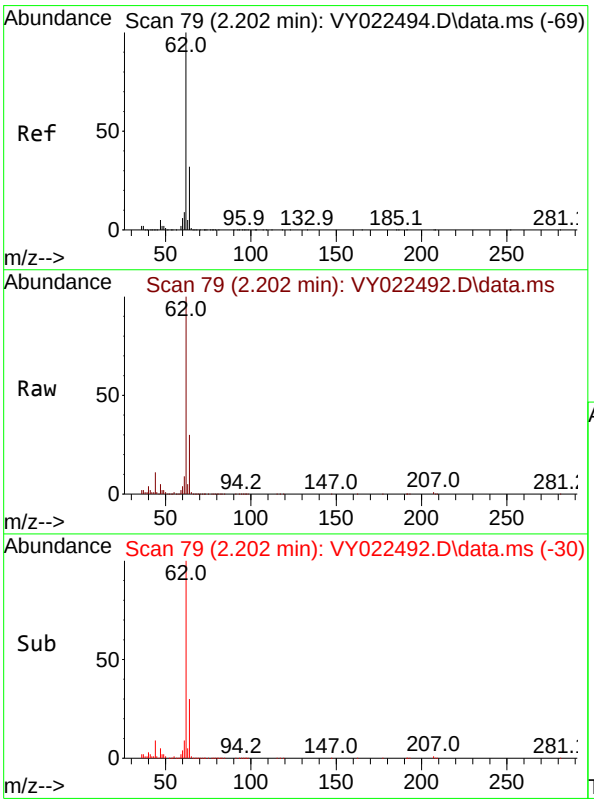
Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

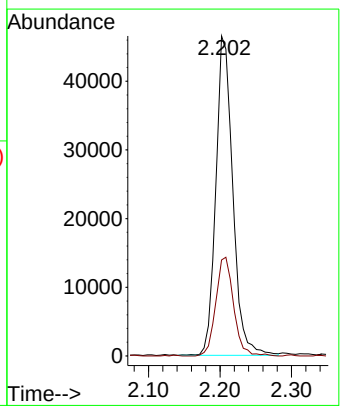
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

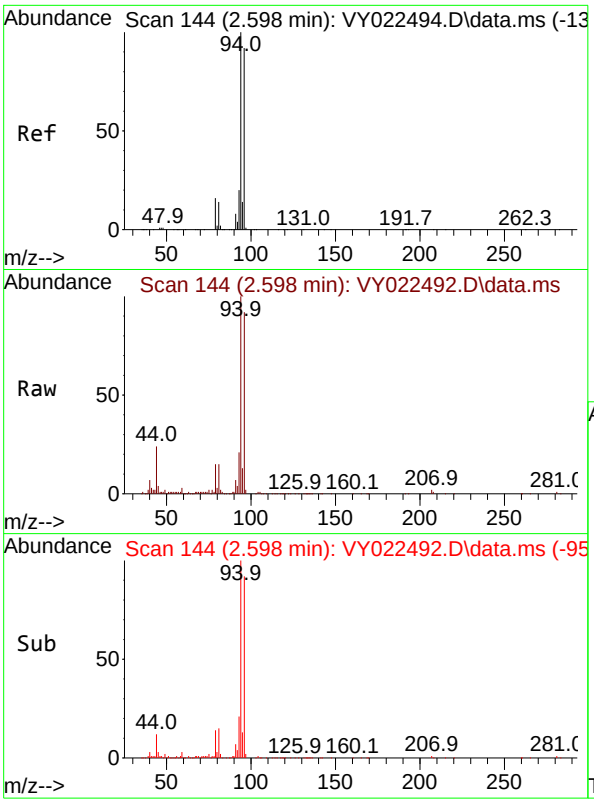


#4
Vinyl Chloride
Concen: 12.027 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 62 Resp: 76656

Ion	Ratio	Lower	Upper
62	100		
64	30.1	25.3	37.9

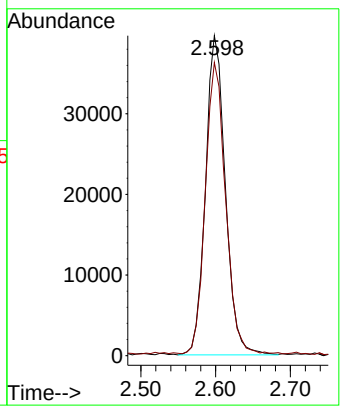




#5
Bromomethane
Concen: 12.157 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 94 Resp: 7328

Ion	Ratio	Lower	Upper
94	100		
96	91.1	74.0	111.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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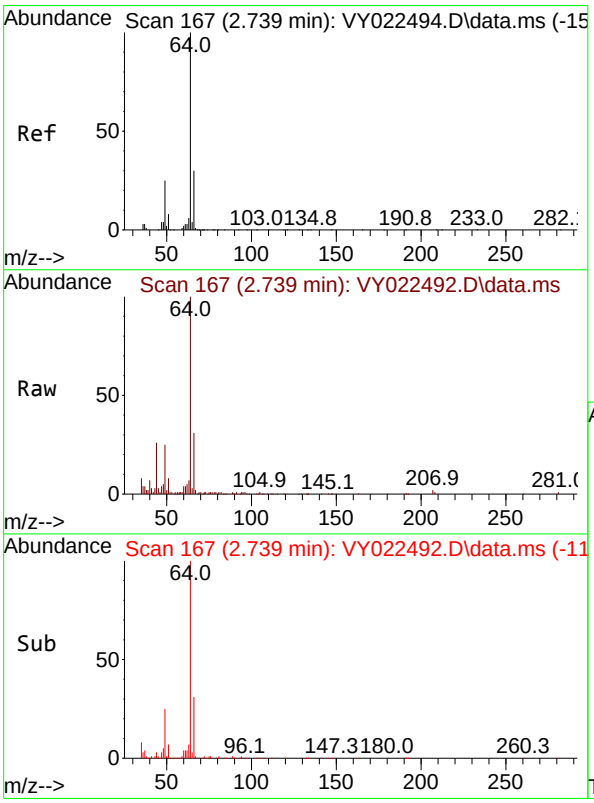
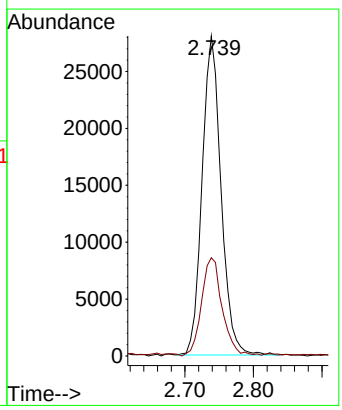
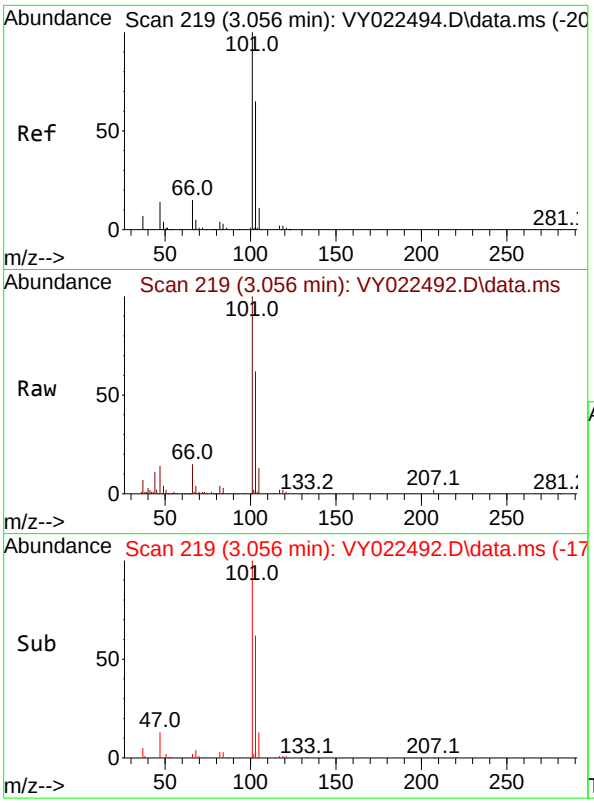


#6
Chloroethane
Concen: 12.374 ug/l
RT: 2.739 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 64 Resp: 53992

Ion	Ratio	Lower	Upper
64	100		
66	30.3	23.8	35.6

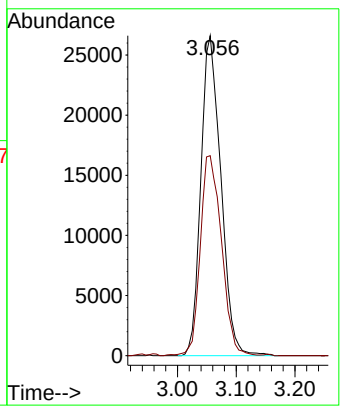




#7
Trichlorofluoromethane
Concen: 11.642 ug/l
RT: 3.056 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:101 Resp: 6304

Ion	Ratio	Lower	Upper
101	100		
103	62.5	52.2	78.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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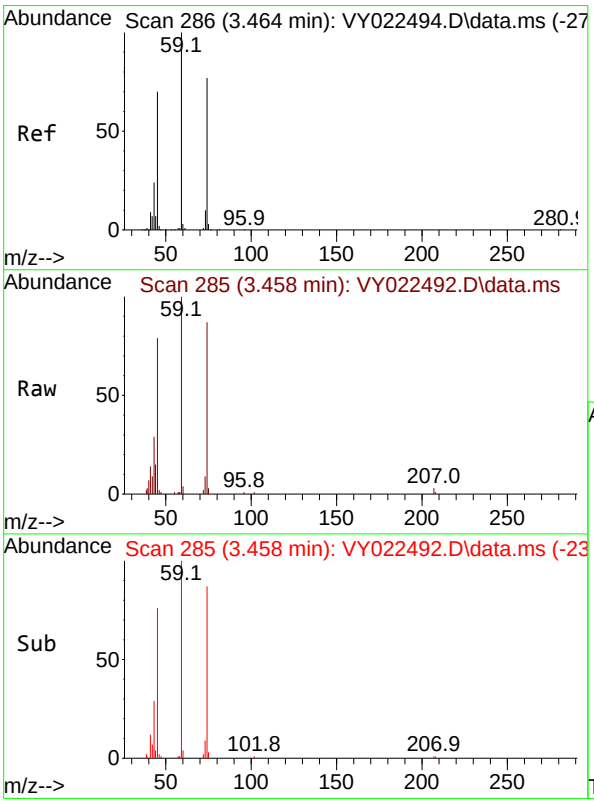
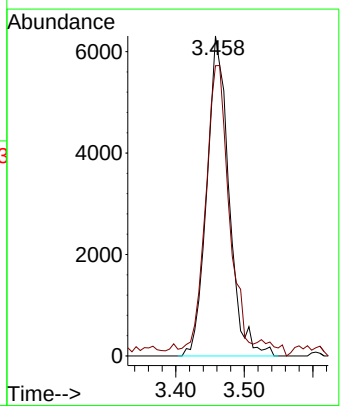
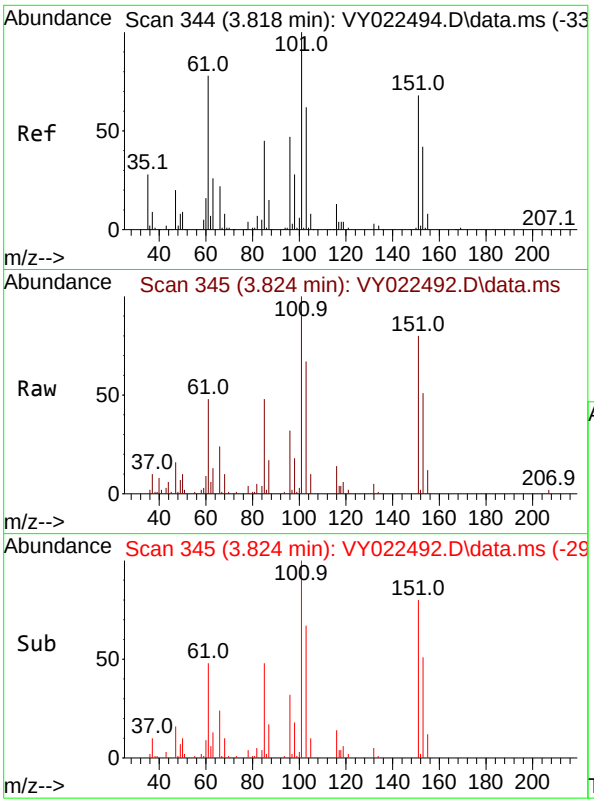


#8
Diethyl Ether
Concen: 11.826 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 74 Resp: 14144

Ion	Ratio	Lower	Upper
74	100		
45	91.9	45.9	137.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.445 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:101 Resp: 2599

Ion	Ratio	Lower	Upper
101	100		
85	48.6	39.3	58.9
151	71.3	57.8	86.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

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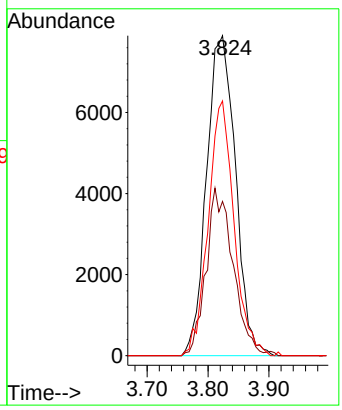
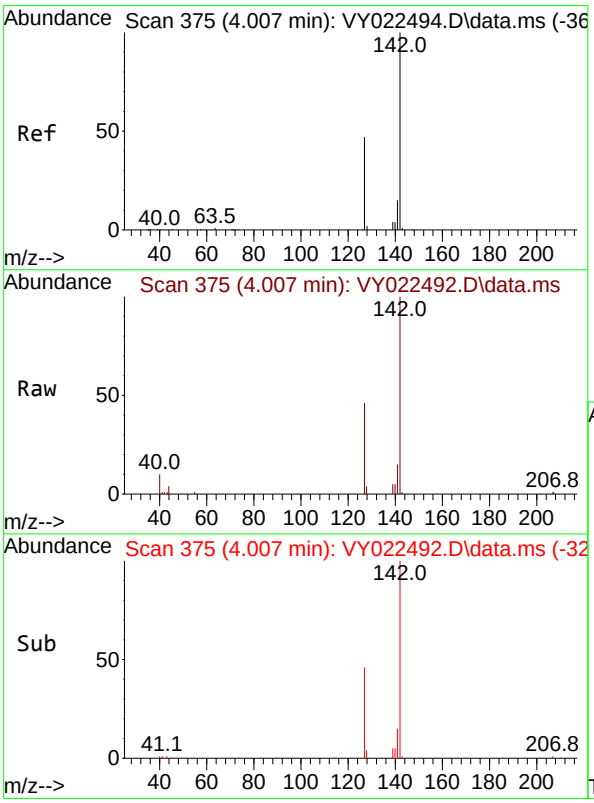
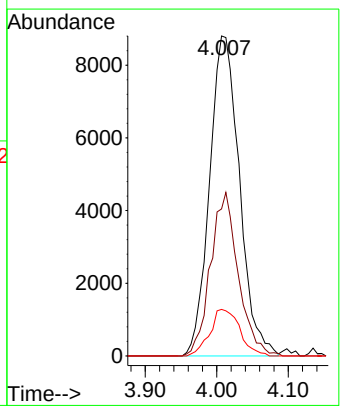


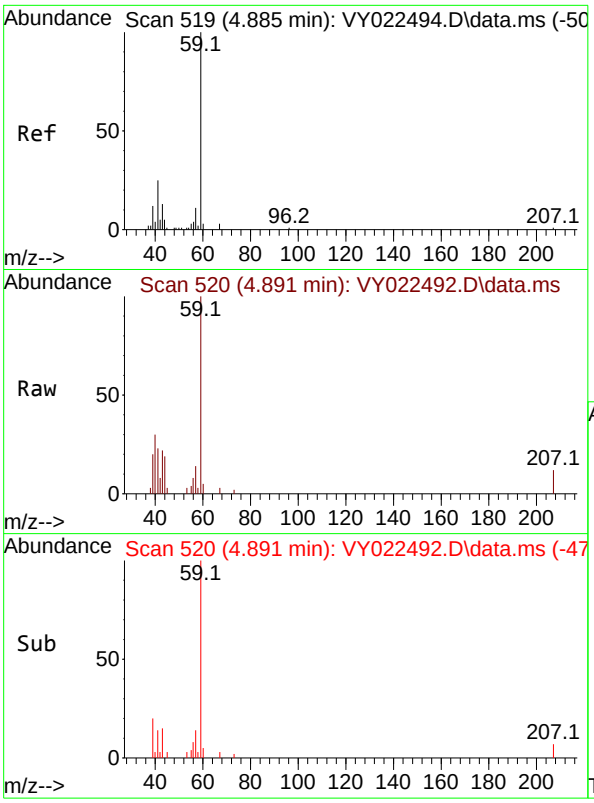


#10
Methyl Iodide
Concen: 10.505 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:142 Resp: 25590

Ion	Ratio	Lower	Upper
142	100		
127	47.3	37.1	55.7
141	14.6	11.4	17.2





#11
Tert butyl alcohol
Concen: 59.275 ug/l
RT: 4.891 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 59 Resp: 973

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.0	12.0#

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

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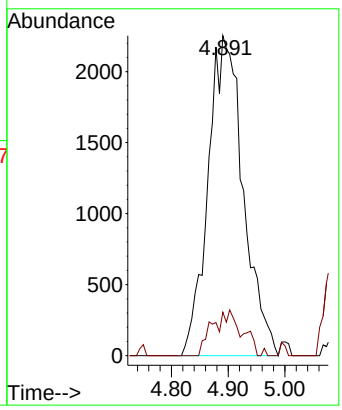
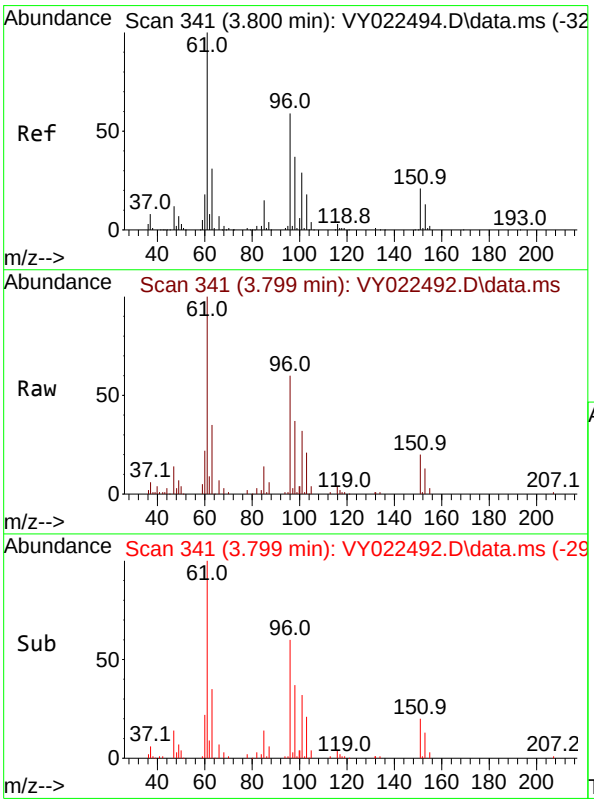
Supervised By :Mahesh Dadoda 06/03/2025

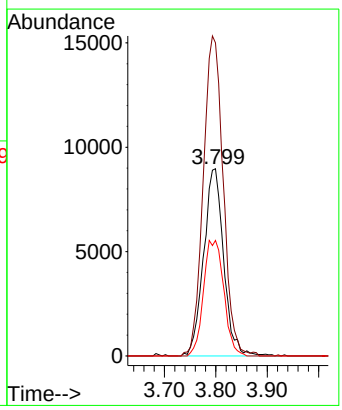


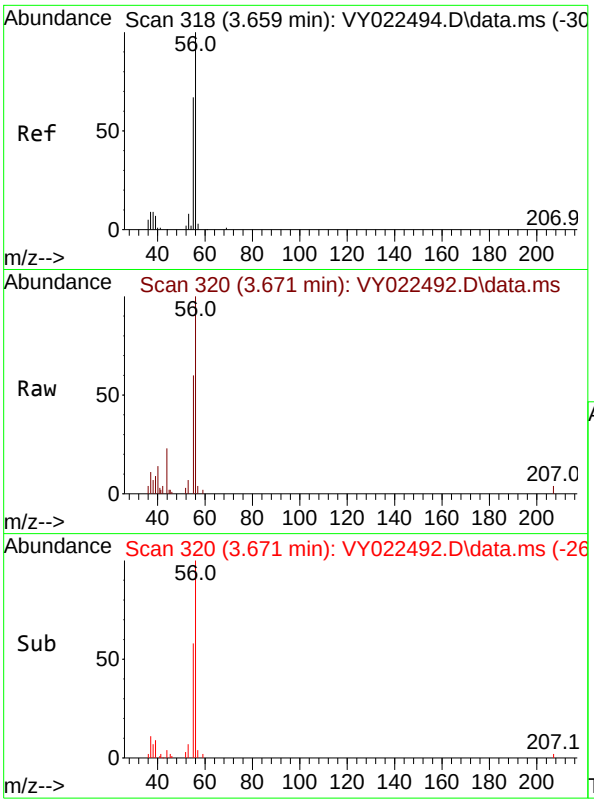


#12
1,1-Dichloroethene
Concen: 11.240 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 96 Resp: 24370

Ion	Ratio	Lower	Upper
96	100		
61	167.3	134.6	201.8
98	61.7	50.2	75.4

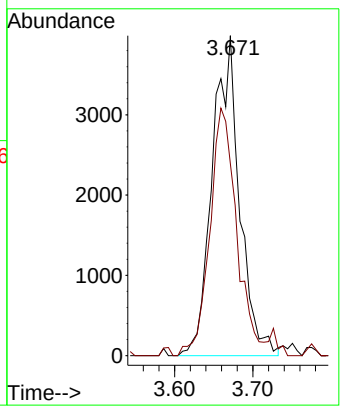




#13
Acrolein
Concen: 48.151 ug/l
RT: 3.671 min Scan# 3
Delta R.T. 0.012 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 56 Resp: 965

Ion	Ratio	Lower	Upper
56	100		
55	76.0	57.0	85.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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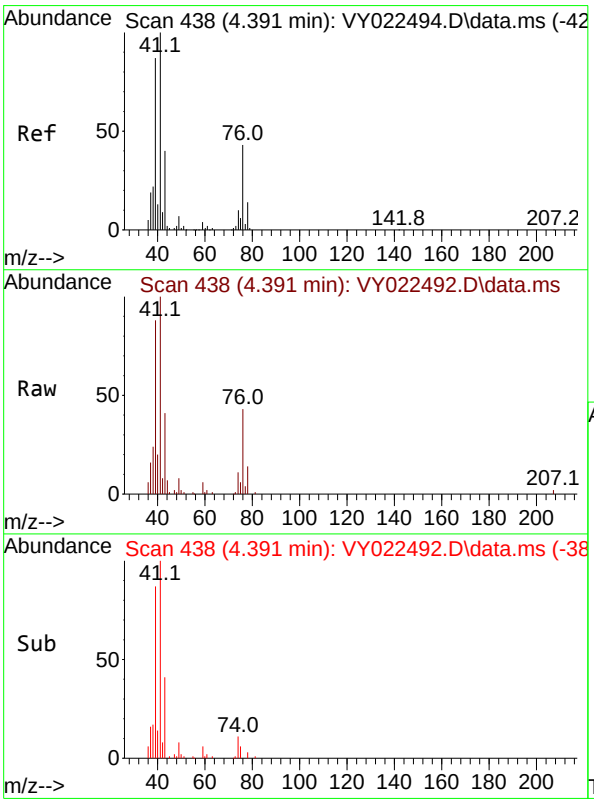
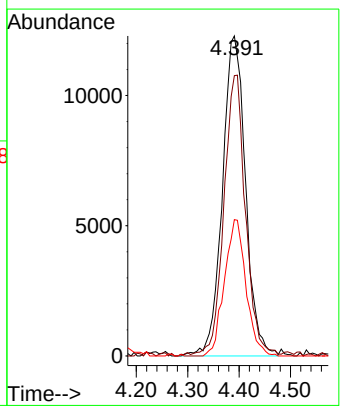
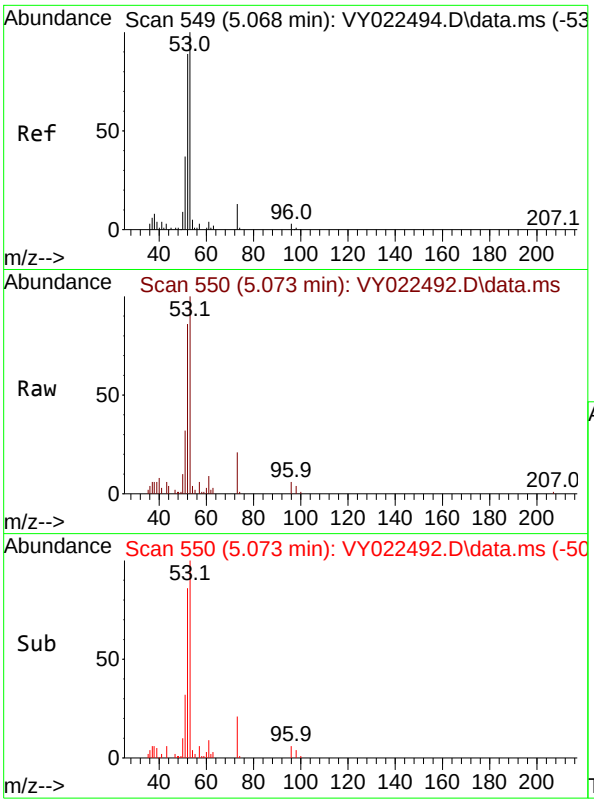


#14
Allyl chloride
Concen: 11.389 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 41 Resp: 38482

Ion	Ratio	Lower	Upper
41	100		
39	80.5	69.1	103.7
76	39.7	33.5	50.3





#15
Acrylonitrile
Concen: 57.299 ug/l
RT: 5.073 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 53 Resp: 2915

Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.7	98.5
51	38.3	30.1	45.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

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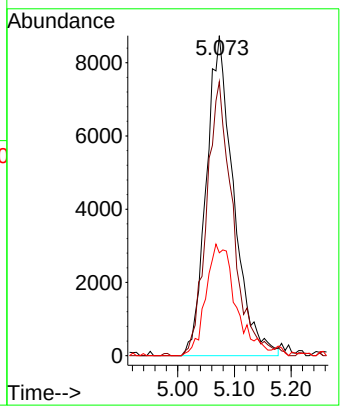
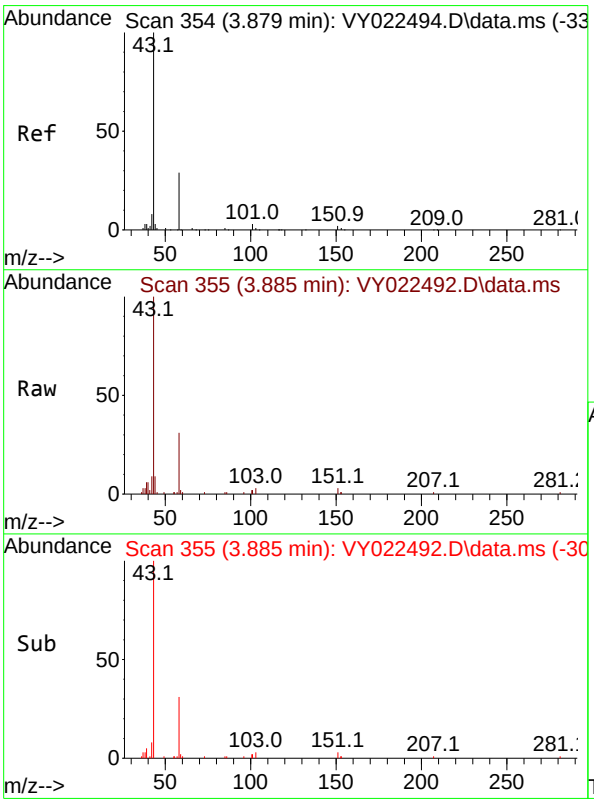
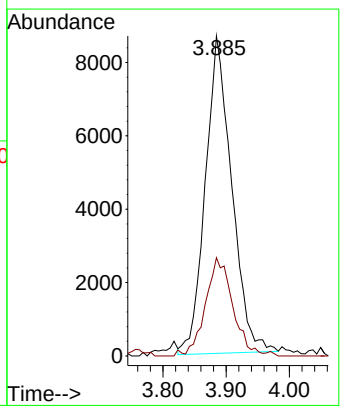


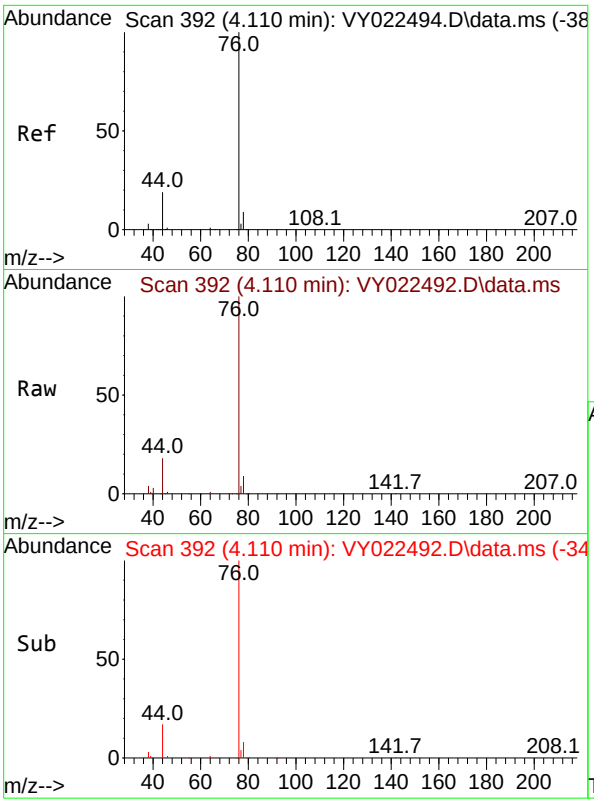


#16
Acetone
Concen: 55.166 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 43 Resp: 25066

Ion	Ratio	Lower	Upper
43	100		
58	31.1	24.0	36.0





#17
Carbon Disulfide
Concen: 11.413 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

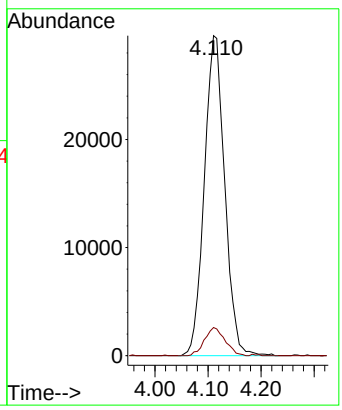
Tgt Ion: 76 Resp: 7900

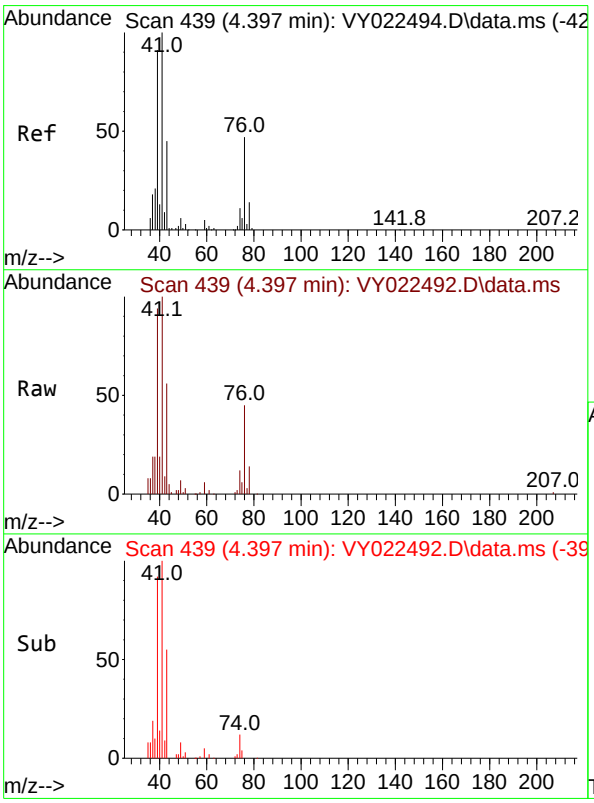
Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

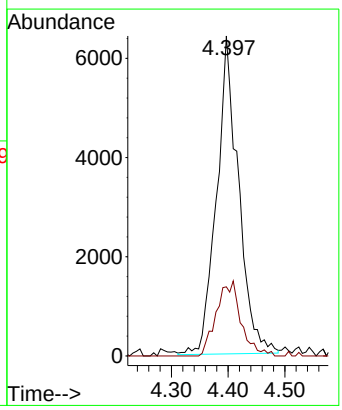


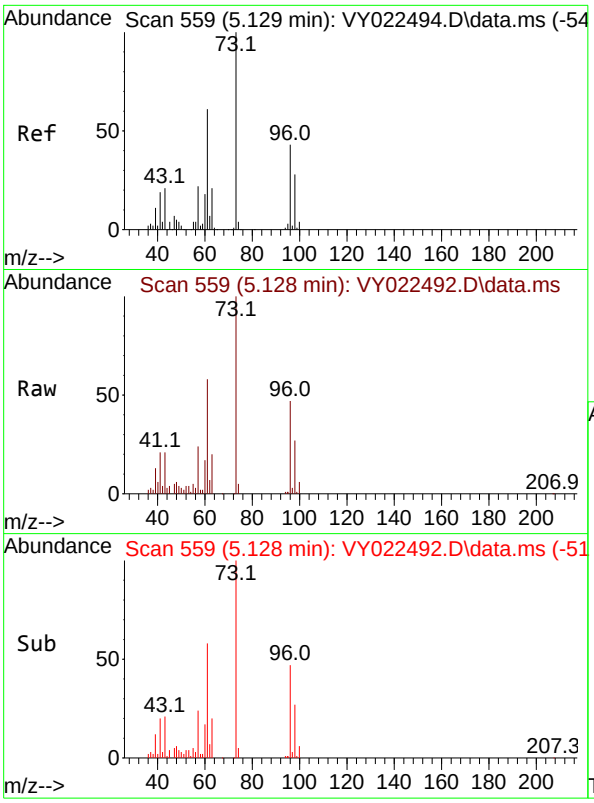


#18
Methyl Acetate
Concen: 12.603 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 43 Resp: 17228

Ion	Ratio	Lower	Upper
43	100		
74	26.4	19.8	29.6

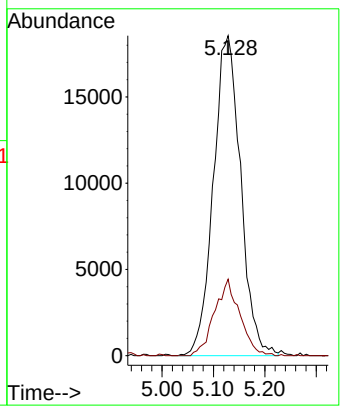




#19
Methyl tert-butyl Ether
Concen: 11.296 ug/l
RT: 5.128 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 73 Resp: 6833

Ion	Ratio	Lower	Upper
73	100		
57	23.9	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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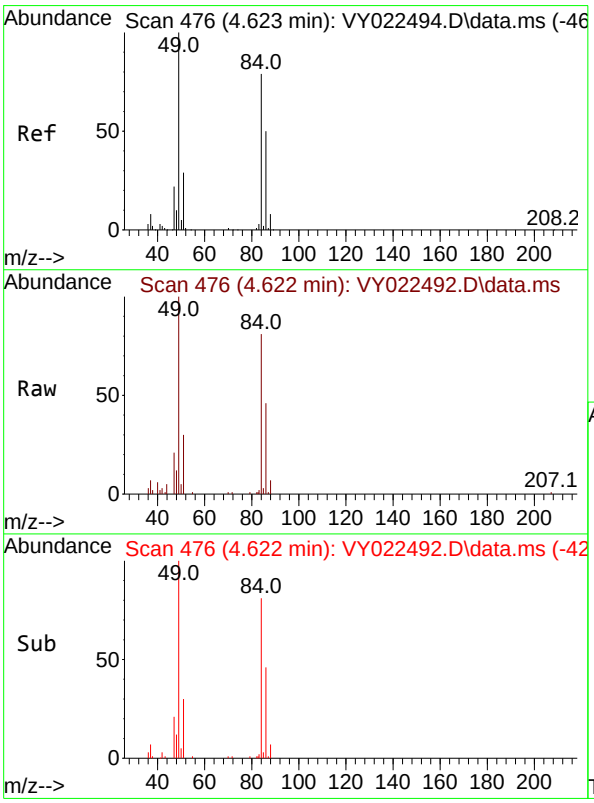
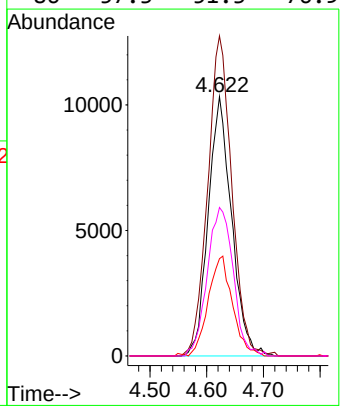
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

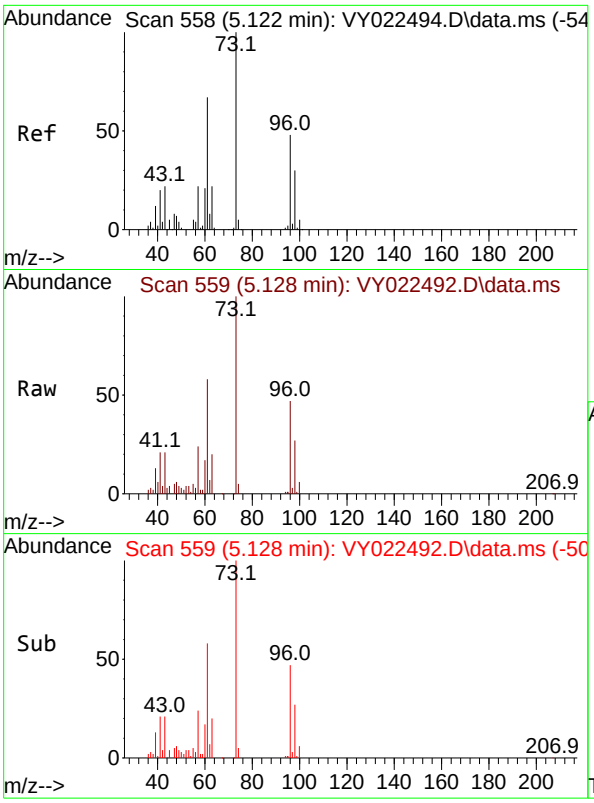


#20
Methylene Chloride
Concen: 11.655 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 84 Resp: 29569

Ion	Ratio	Lower	Upper
84	100		
49	123.4	101.9	152.9
51	37.5	29.8	44.8
86	57.3	51.3	76.9

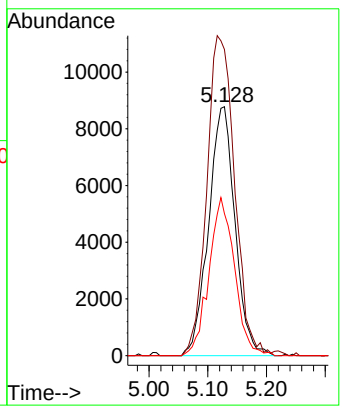




#21
trans-1,2-Dichloroethene
Concen: 11.350 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 96 Resp: 2749

Ion	Ratio	Lower	Upper
96	100		
61	123.0	112.6	169.0
98	57.1	50.6	75.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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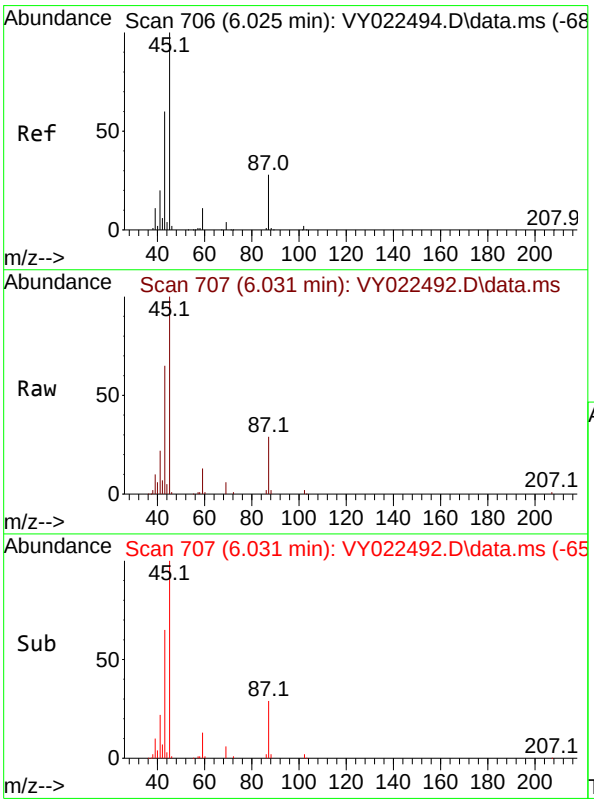
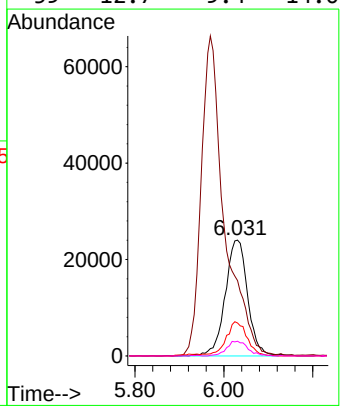
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

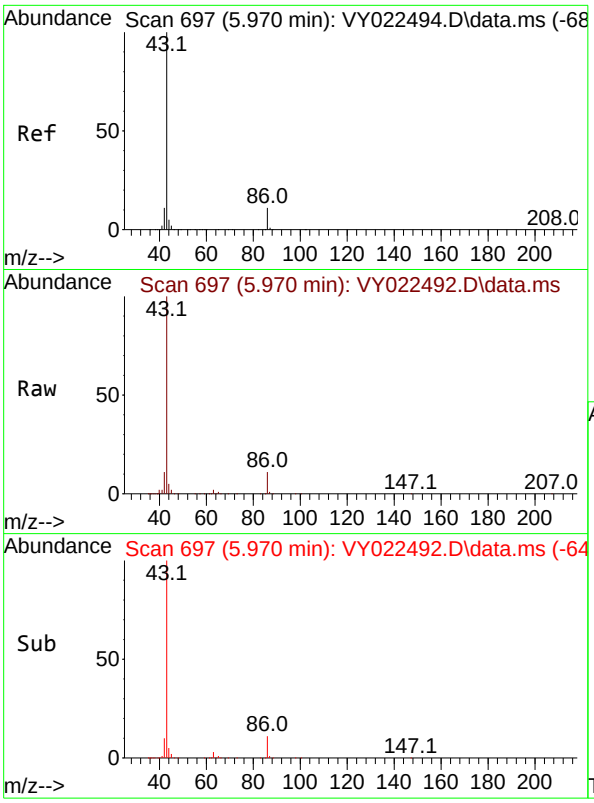


#22
Diisopropyl ether
Concen: 11.156 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 45 Resp: 83814

Ion	Ratio	Lower	Upper
45	100		
43	64.5	48.3	72.5
87	28.5	23.0	34.6
59	12.7	9.4	14.0





#23
Vinyl Acetate
Concen: 54.152 ug/l
RT: 5.970 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 43 Resp: 24136

Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.6	12.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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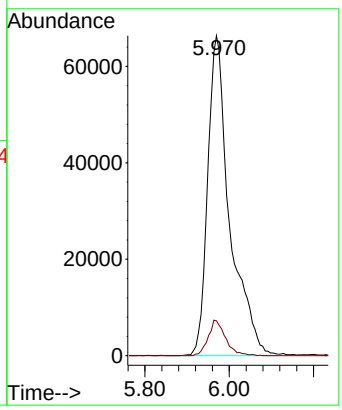
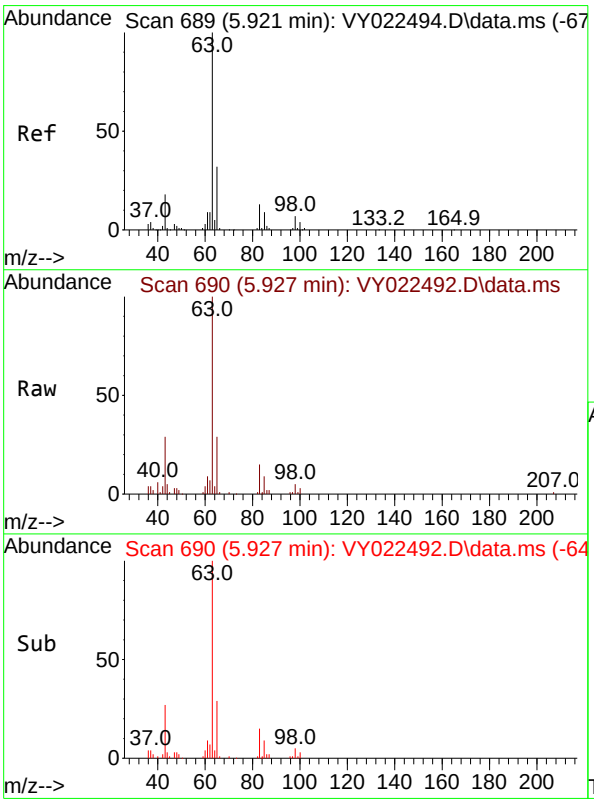
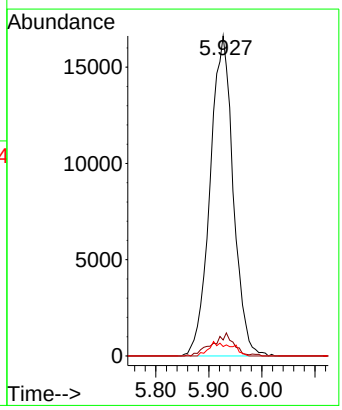


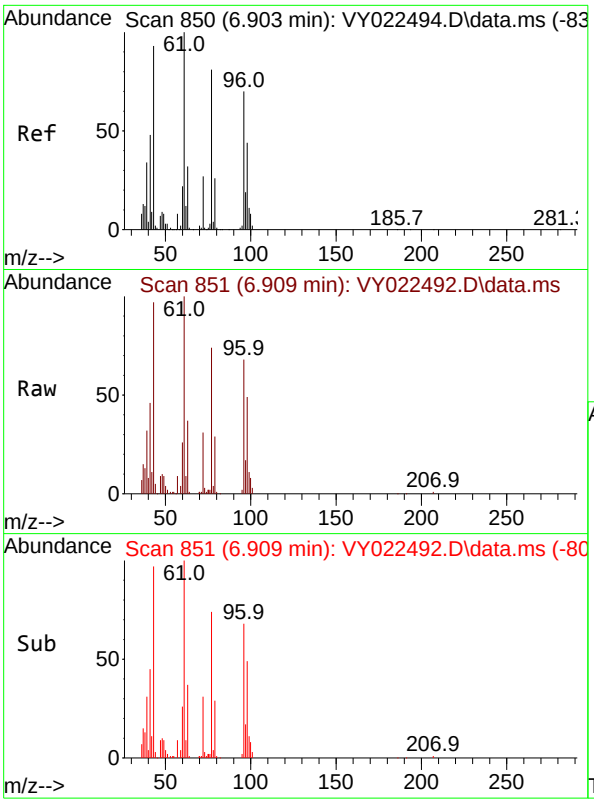


#24
1,1-Dichloroethane
Concen: 11.346 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 63 Resp: 50391

Ion	Ratio	Lower	Upper
63	100		
98	5.0	3.4	10.1
100	3.0	2.1	6.3





#25
2-Butanone
Concen: 54.840 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 43 Resp: 3675

Ion	Ratio	Lower	Upper
43	100		
72	31.4	22.9	34.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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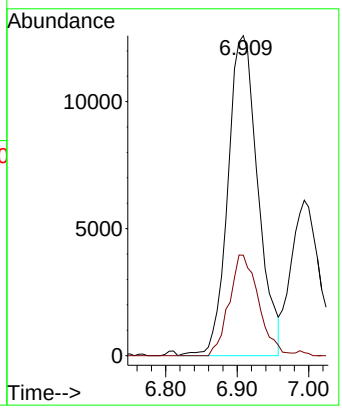
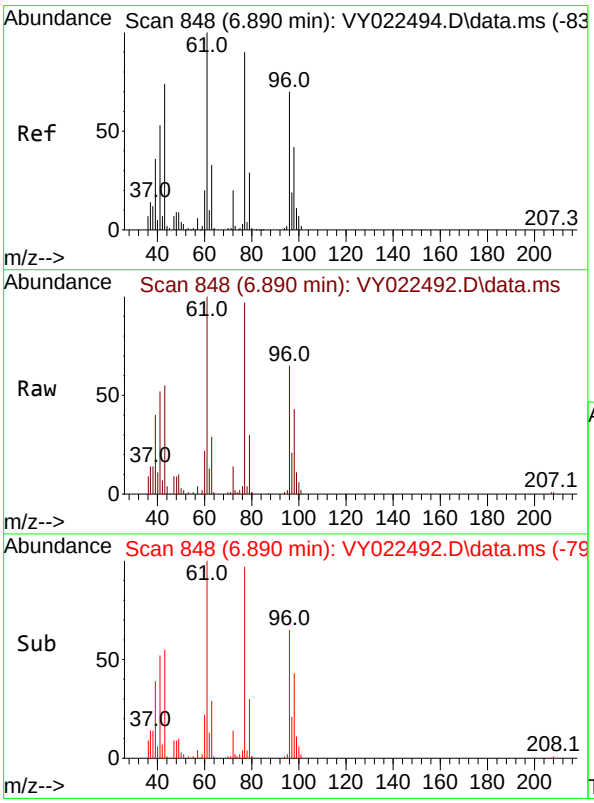
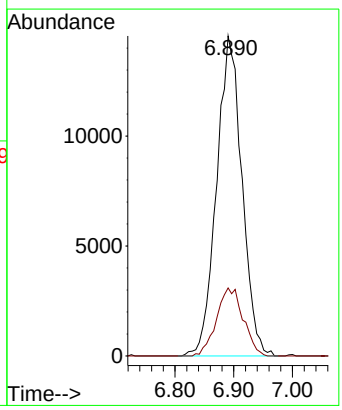


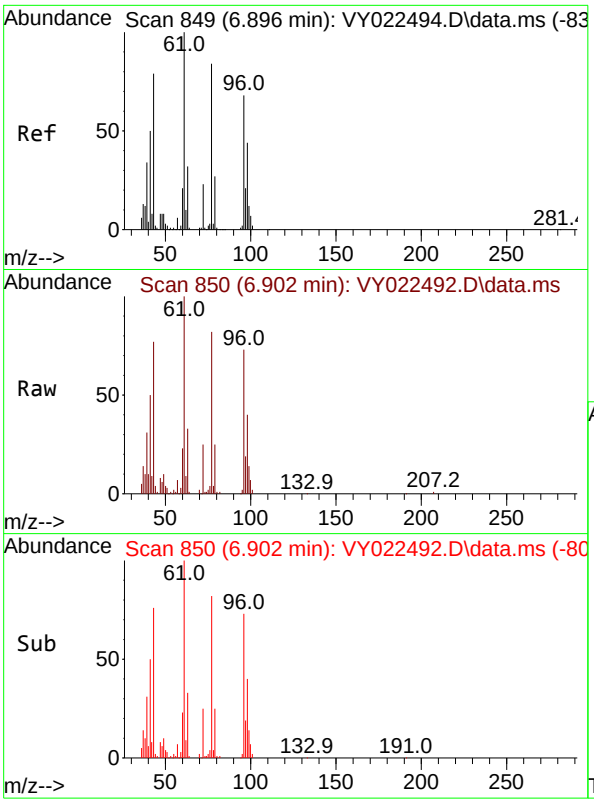


#26
2,2-Dichloropropane
Concen: 11.045 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 77 Resp: 43605

Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.4	34.2





#27
cis-1,2-Dichloroethene
Concen: 11.028 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 96 Resp: 3087

Ion	Ratio	Lower	Upper
96	100		
61	145.8	0.0	290.0
98	65.3	0.0	128.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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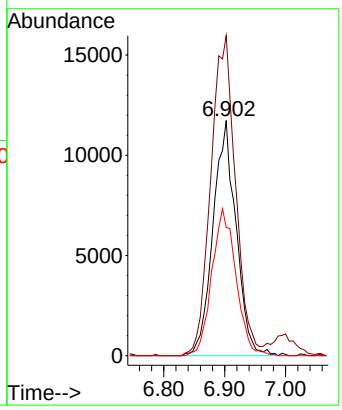
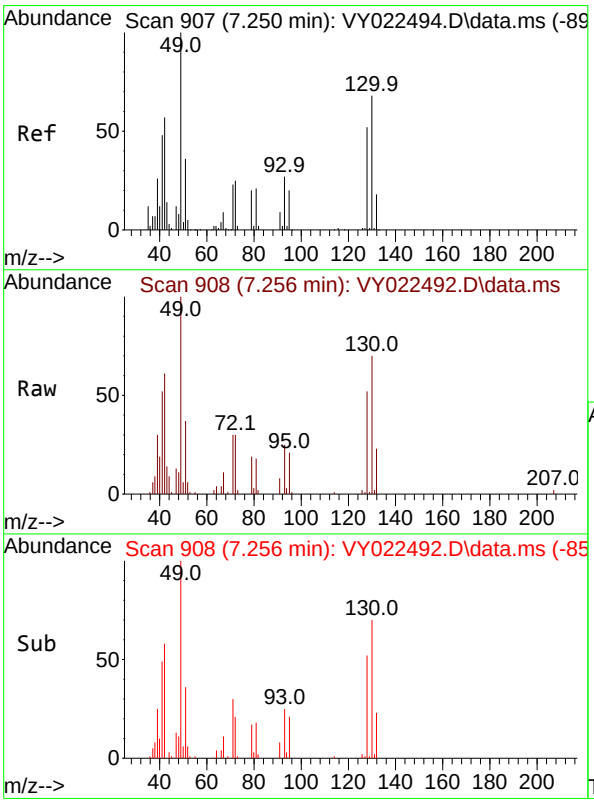
Supervised By :Mahesh Dadoda 06/03/2025

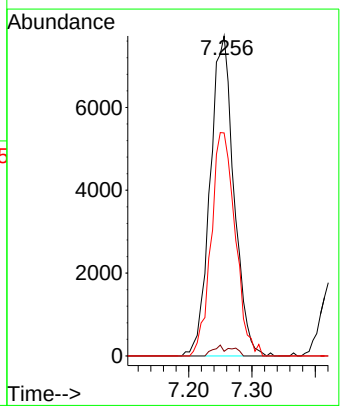


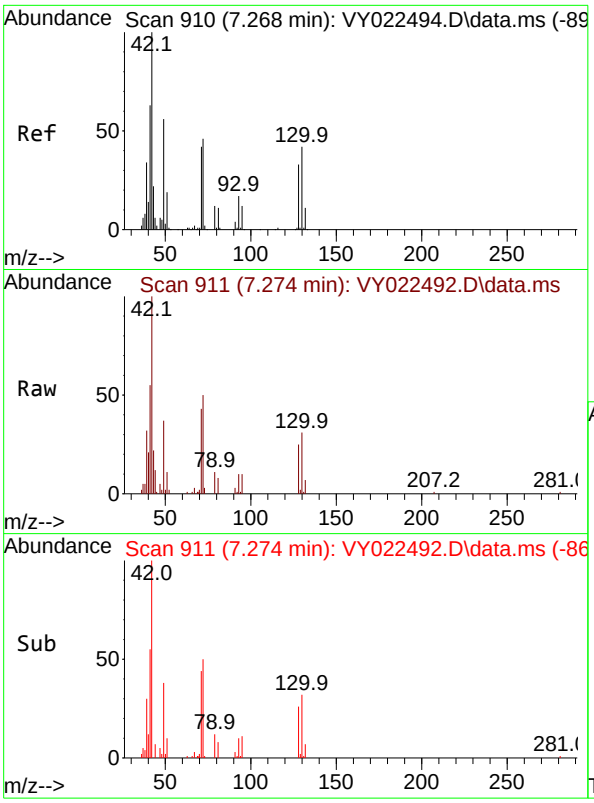


#28
Bromochloromethane
Concen: 10.491 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 49 Resp: 20132

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.6
130	70.8	55.7	83.5





#29
Tetrahydrofuran
Concen: 57.822 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 42 Resp: 2500

Ion	Ratio	Lower	Upper
42	100		
72	43.5	37.4	56.2
71	42.5	34.2	51.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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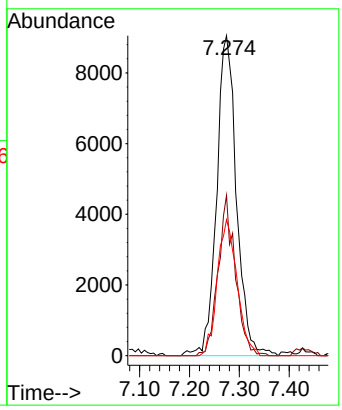
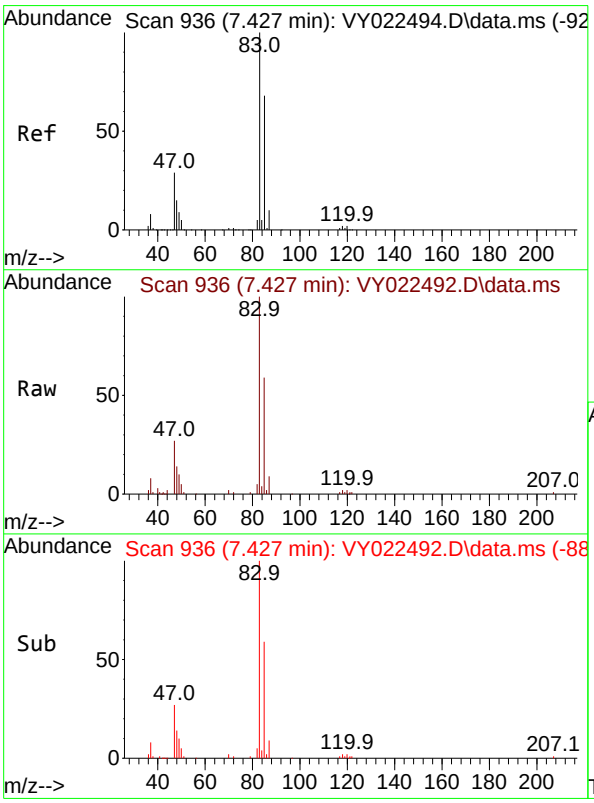
Supervised By :Mahesh Dadoda 06/03/2025

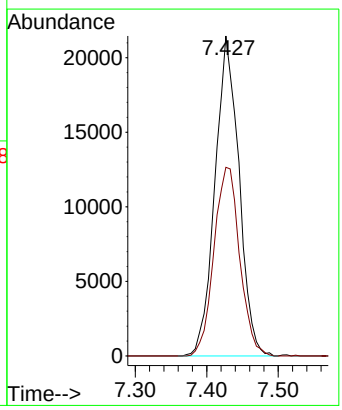


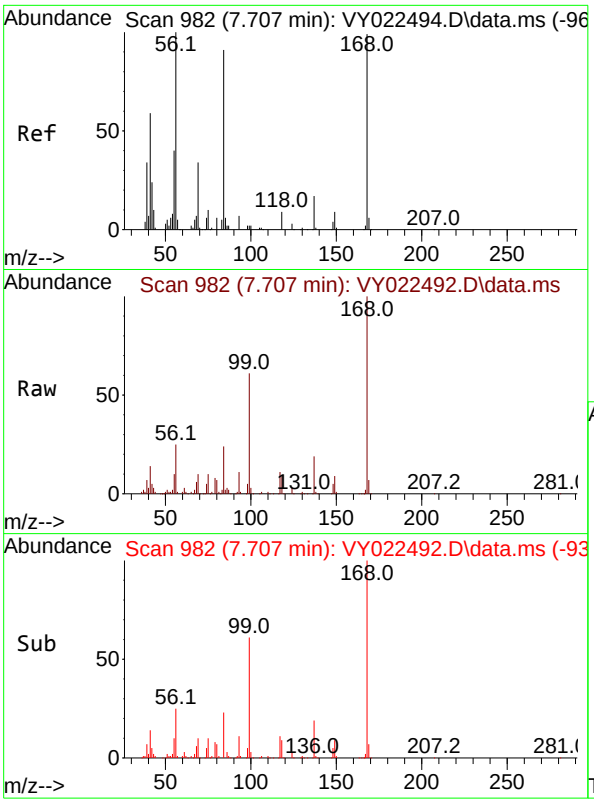


#30
Chloroform
Concen: 11.391 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 83 Resp: 49990

Ion	Ratio	Lower	Upper
83	100		
85	59.0	54.2	81.4





#31
Cyclohexane
Concen: 11.422 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 56 Resp: 5105

Ion	Ratio	Lower	Upper
56	100		
69	40.9	27.0	40.6
84	92.7	72.6	109.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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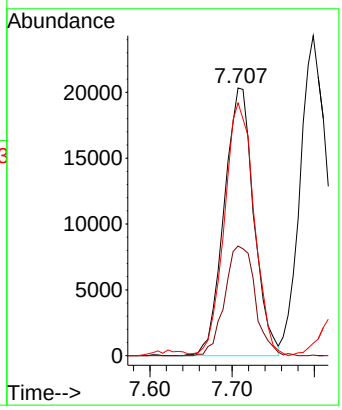
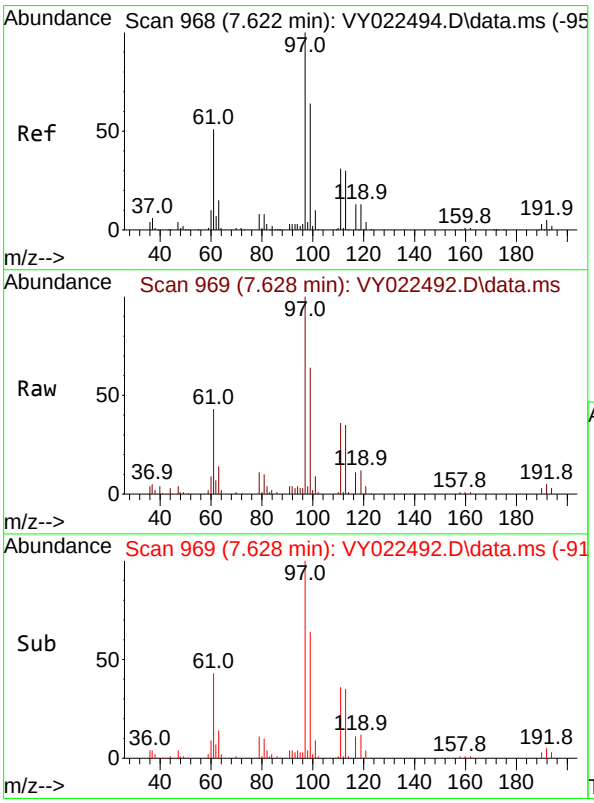
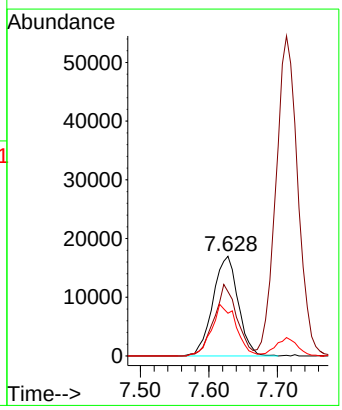


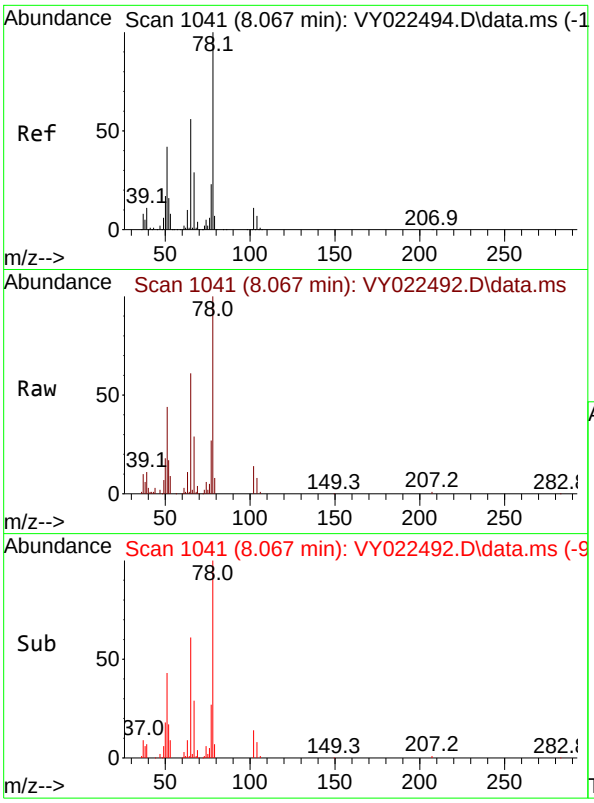


#32
1,1,1-Trichloroethane
Concen: 11.080 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 97 Resp: 43454

Ion	Ratio	Lower	Upper
97	100		
99	65.1	50.9	76.3
61	50.6	38.5	57.7

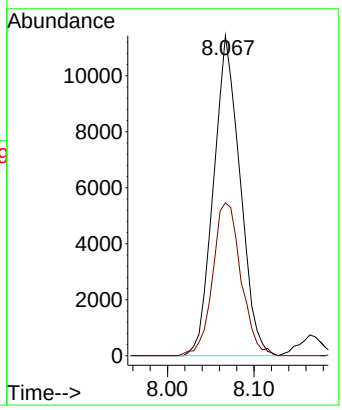




#33
1,2-Dichloroethane-d4
Concen: 10.549 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 65 Resp: 2424

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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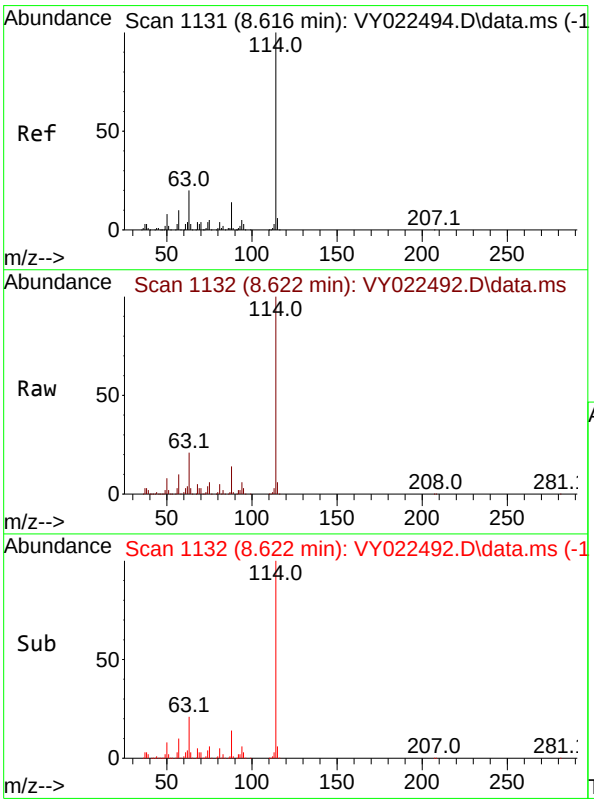
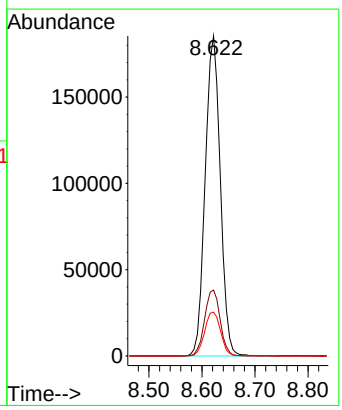
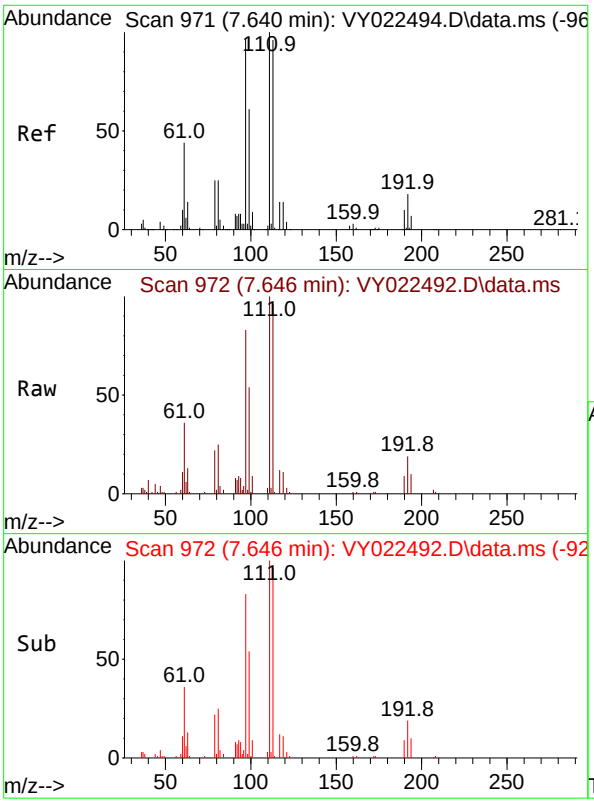


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:114 Resp: 366386

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.8
88	13.7	0.0	27.8





#35
Dibromofluoromethane
Concen: 9.617 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:113 Resp: 2074

Ion	Ratio	Lower	Upper
113	100		
111	104.9	81.1	121.7
192	18.7	14.2	21.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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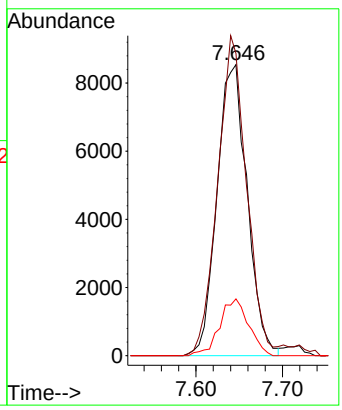
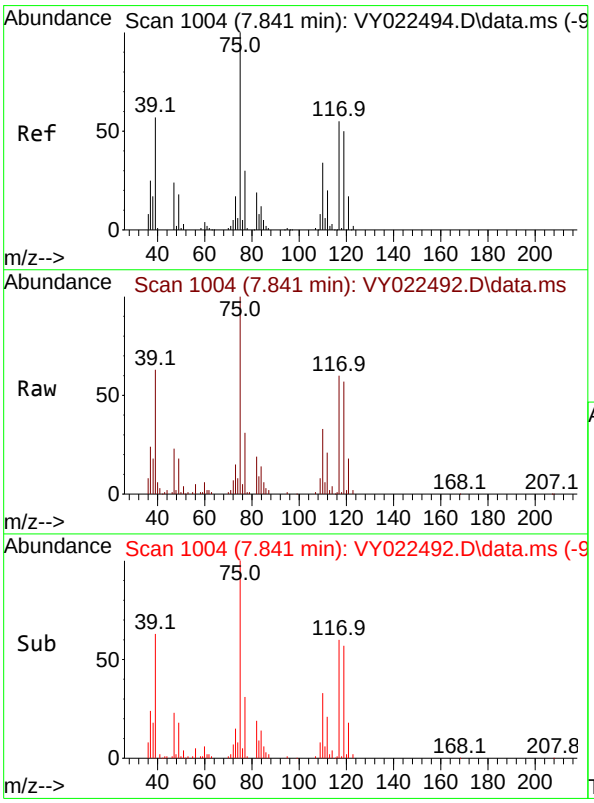
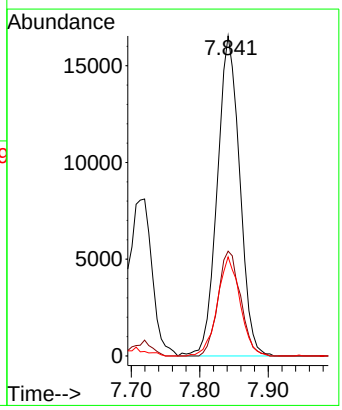


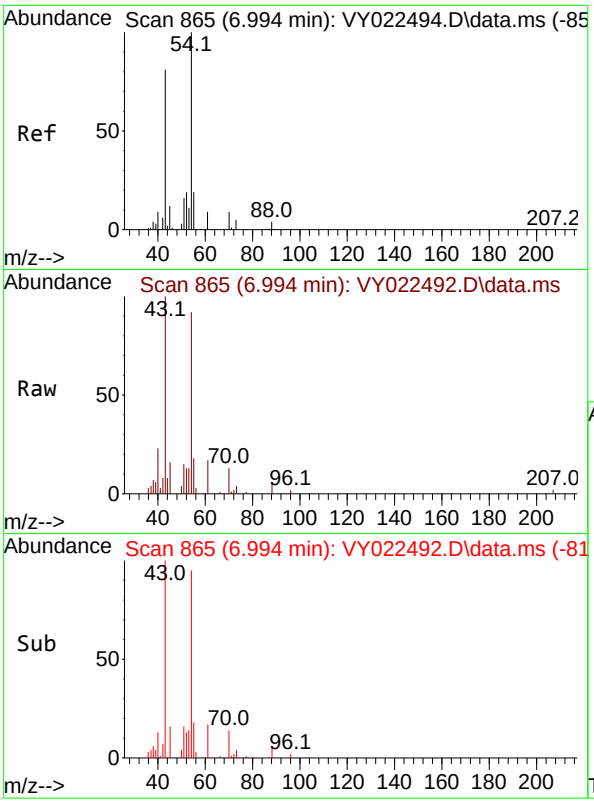


#36
1,1-Dichloropropene
Concen: 10.765 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 75 Resp: 37532

Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.9	50.7
77	31.5	24.8	37.2





#37
Ethyl Acetate
Concen: 10.371 ug/l
RT: 6.994 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 43 Resp: 1591

Ion	Ratio	Lower	Upper
43	100		
61	18.4	11.5	17.3
70	9.8	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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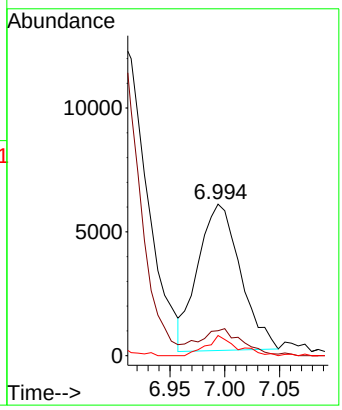
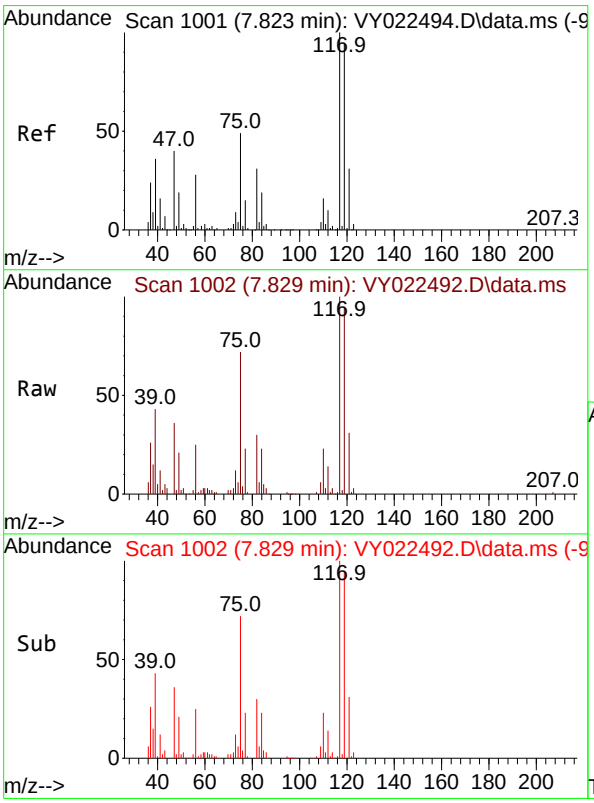
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

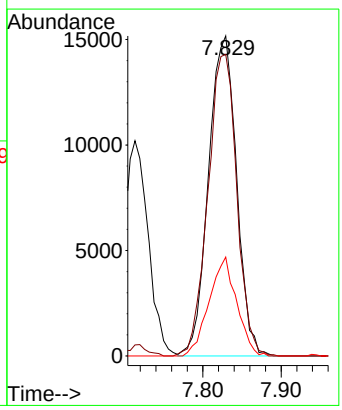


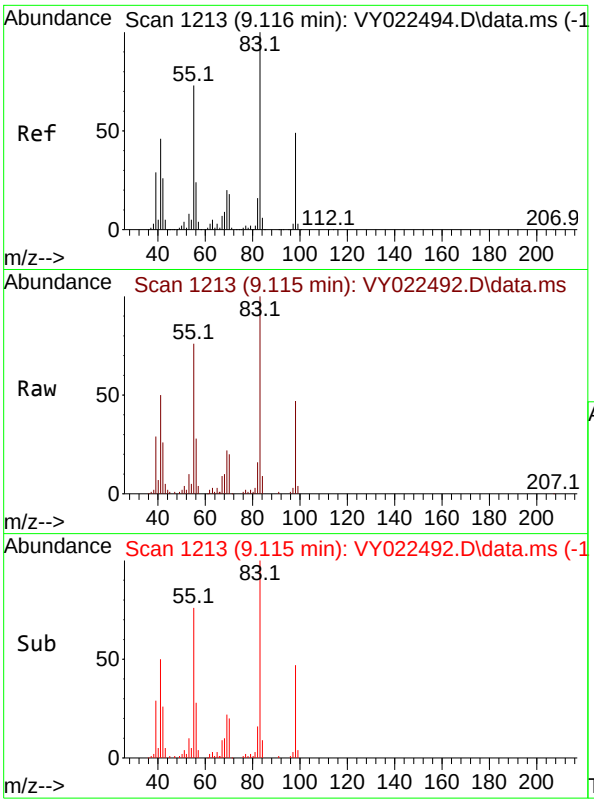


#38
Carbon Tetrachloride
Concen: 10.515 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:117 Resp: 37794

Ion	Ratio	Lower	Upper
117	100		
119	94.2	75.0	112.6
121	30.9	25.0	37.4





#39
Methylcyclohexane
Concen: 10.491 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 83 Resp: 4941

Ion	Ratio	Lower	Upper
83	100		
55	75.8	58.1	87.1
98	47.5	39.0	58.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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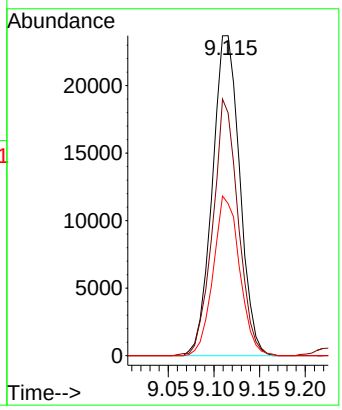
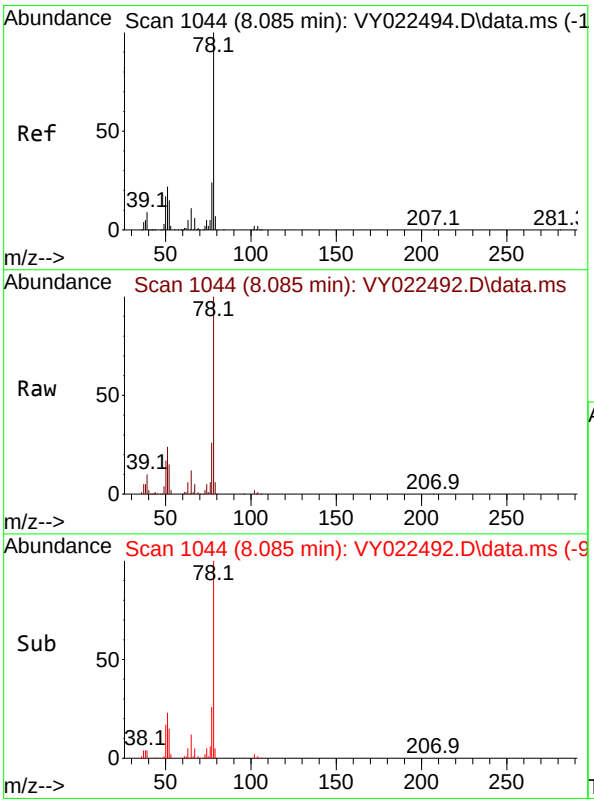
Supervised By :Mahesh Dadoda 06/03/2025

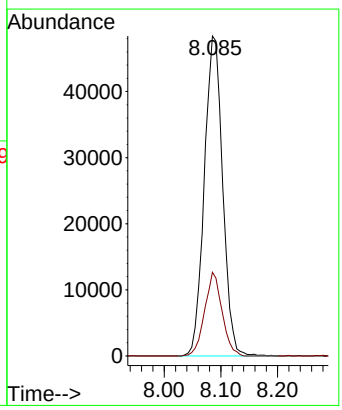


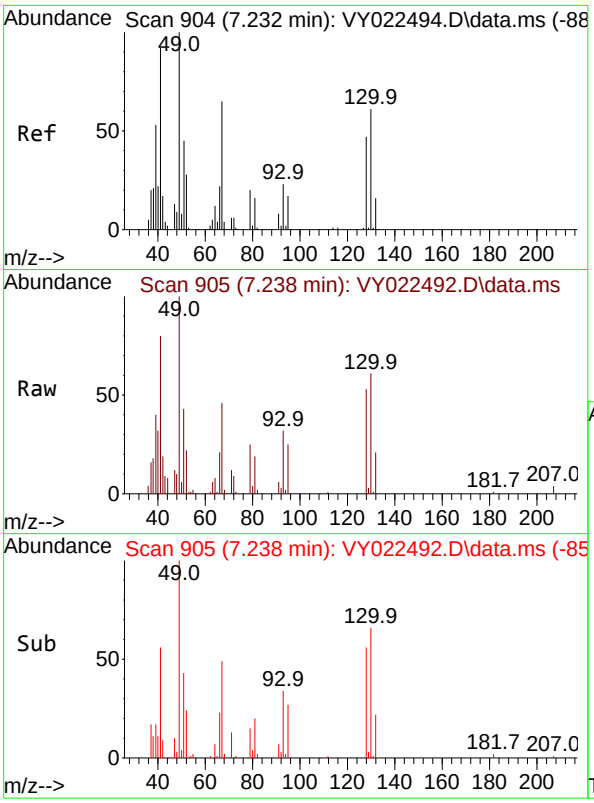


#40
Benzene
Concen: 10.600 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 78 Resp: 108934

Ion	Ratio	Lower	Upper
78	100		
77	26.2	19.3	28.9

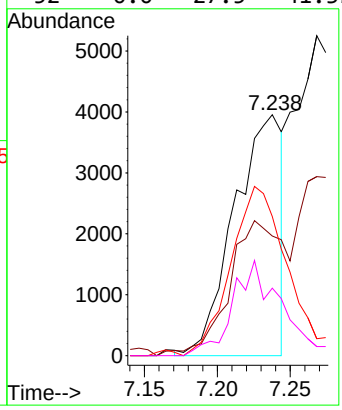




#41
Methacrylonitrile
Concen: 9.151 ug/l m
RT: 7.238 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 41 Resp: 904

Ion	Ratio	Lower	Upper
41	100		
39	83.2	46.6	69.8#
67	0.0	63.3	94.9#
52	0.0	27.5	41.3#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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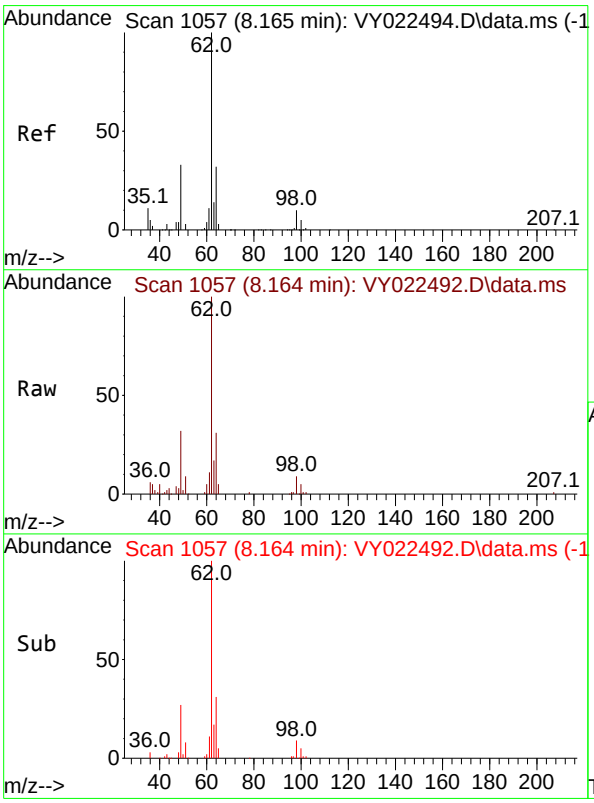
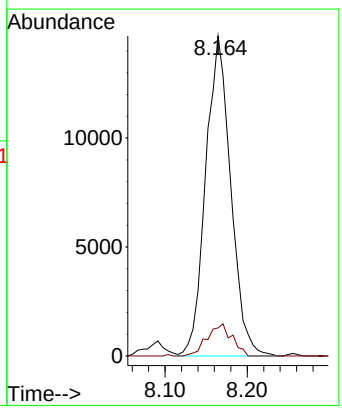
Supervised By :Mahesh Dadoda 06/03/2025

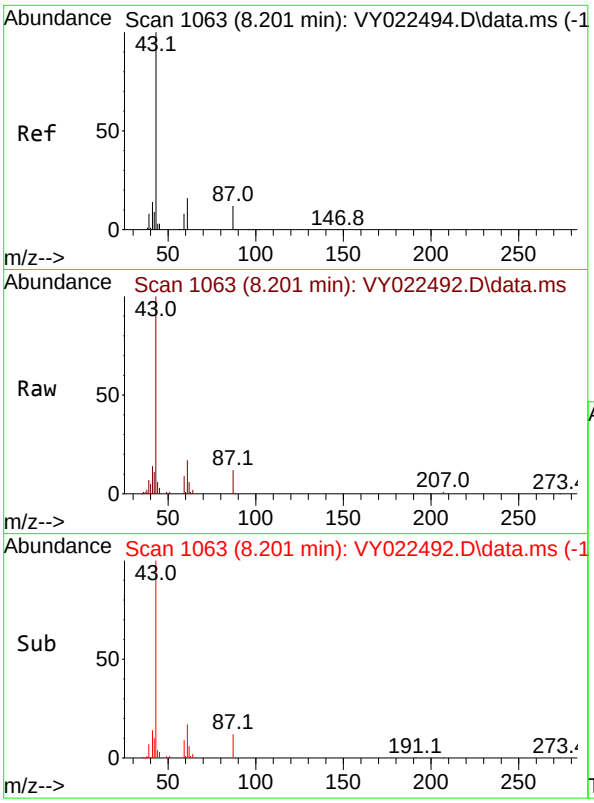


#42
1,2-Dichloroethane
Concen: 11.125 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 62 Resp: 31102

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.2





#43
Isopropyl Acetate
Concen: 10.859 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 43 Resp: 3641

Ion	Ratio	Lower	Upper
43	100		
61	17.7	15.6	23.4
87	13.4	10.2	15.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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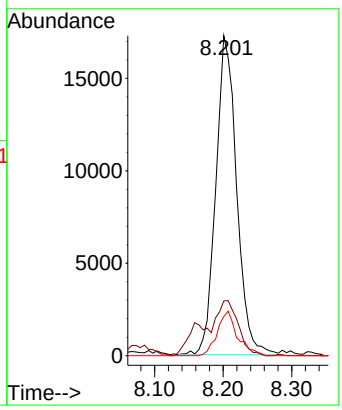
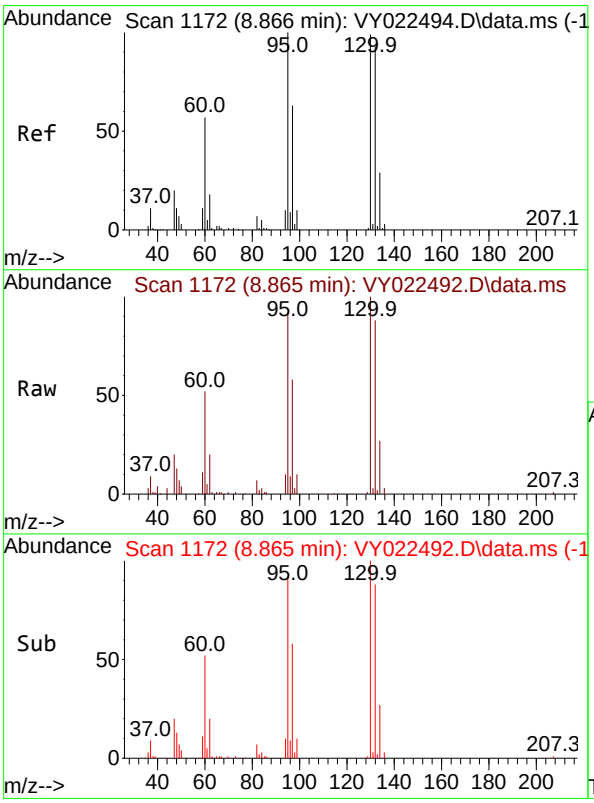
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

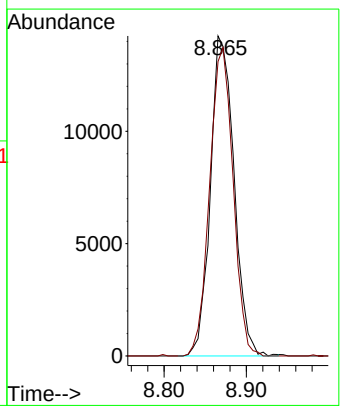


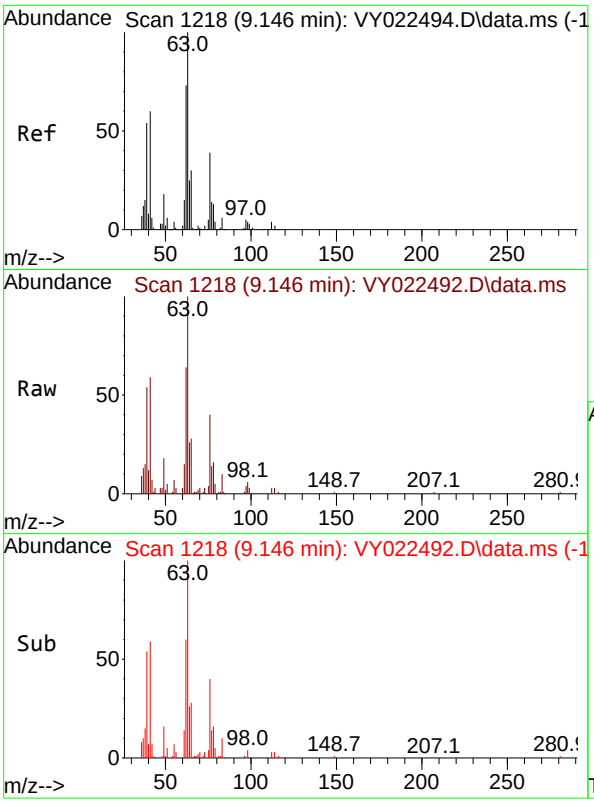


#44
Trichloroethene
Concen: 11.325 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:130 Resp: 28431

Ion	Ratio	Lower	Upper
130	100		
95	92.0	0.0	203.0





#45
1,2-Dichloropropane
Concen: 10.884 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 63 Resp: 2666

Ion	Ratio	Lower	Upper
63	100		
65	28.2	24.0	36.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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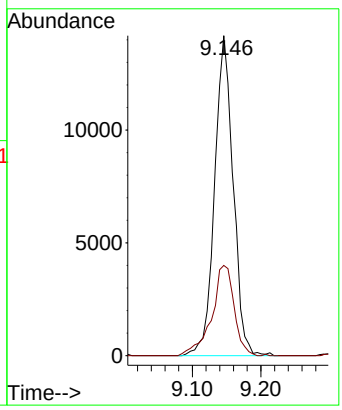
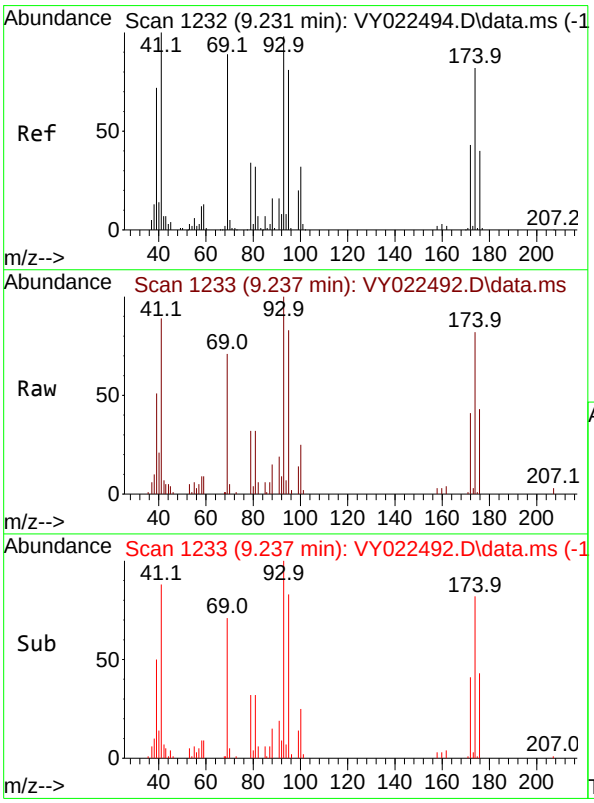
Supervised By :Mahesh Dadoda 06/03/2025

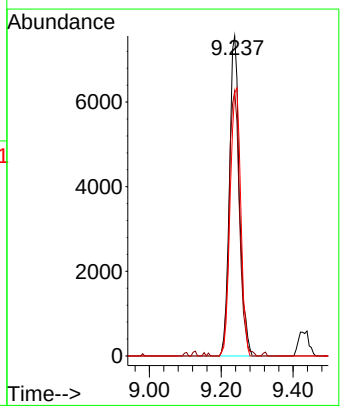


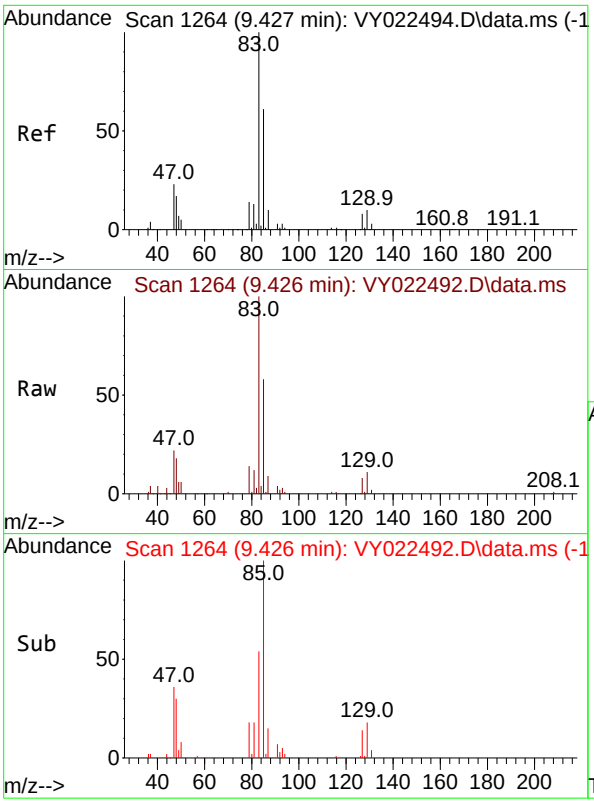


#46
Dibromomethane
Concen: 10.637 ug/l m
RT: 9.237 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 93 Resp: 14601

Ion	Ratio	Lower	Upper
93	100		
95	0.0	65.6	98.4#
174	0.0	70.4	105.6#

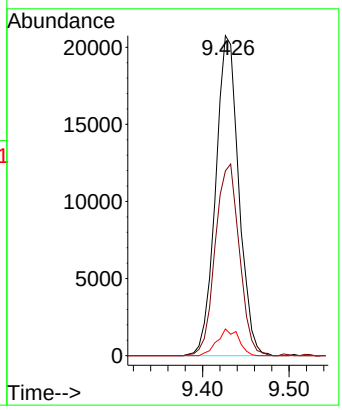




#47
Bromodichloromethane
Concen: 11.048 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 83 Resp: 3847

Ion	Ratio	Lower	Upper
83	100		
85	57.8	49.1	73.7
127	8.4	6.2	9.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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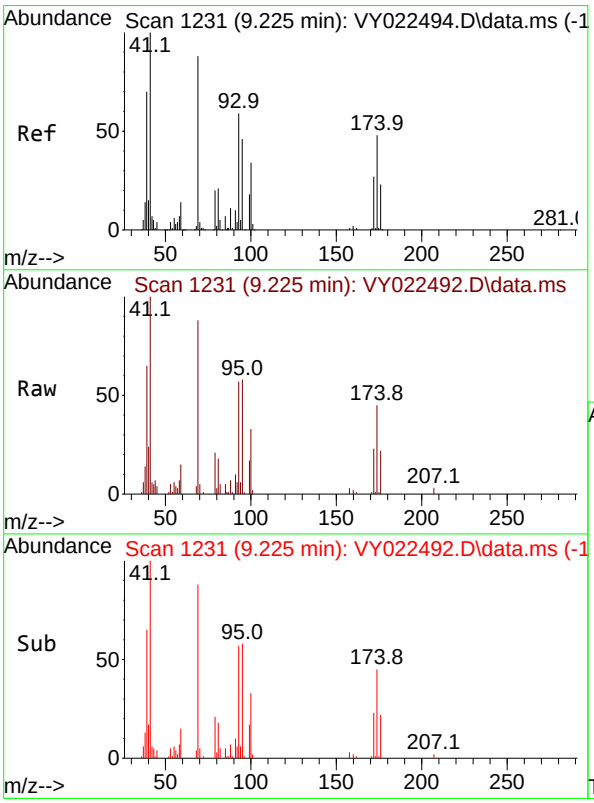
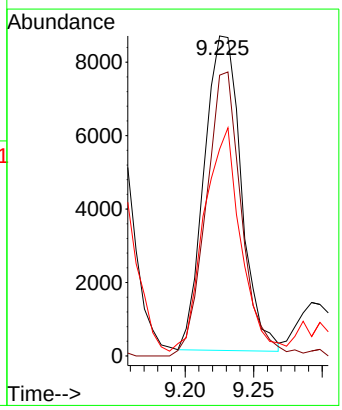
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

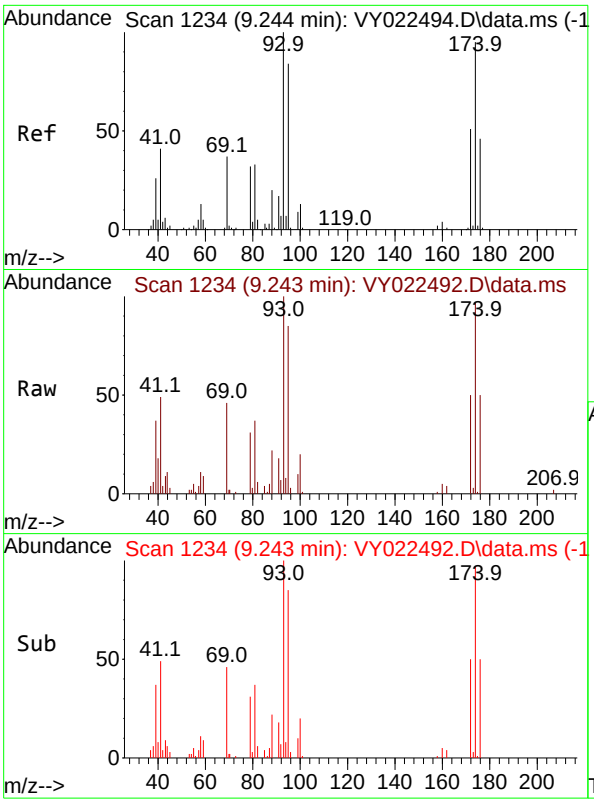


#48
Methyl methacrylate
Concen: 10.501 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 41 Resp: 16122

Ion	Ratio	Lower	Upper
41	100		
69	86.6	67.8	101.8
39	70.2	55.0	82.4

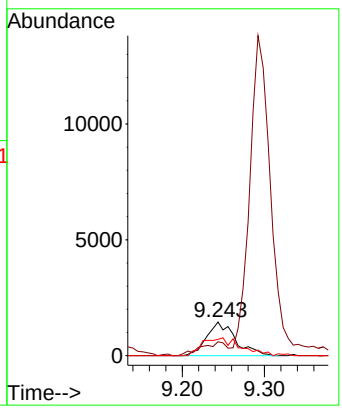




#49
1,4-Dioxane
Concen: 215.881 ug/l
RT: 9.243 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 88 Resp: 353

Ion	Ratio	Lower	Upper
88	100		
43	36.1	25.4	38.2
58	69.8	54.9	82.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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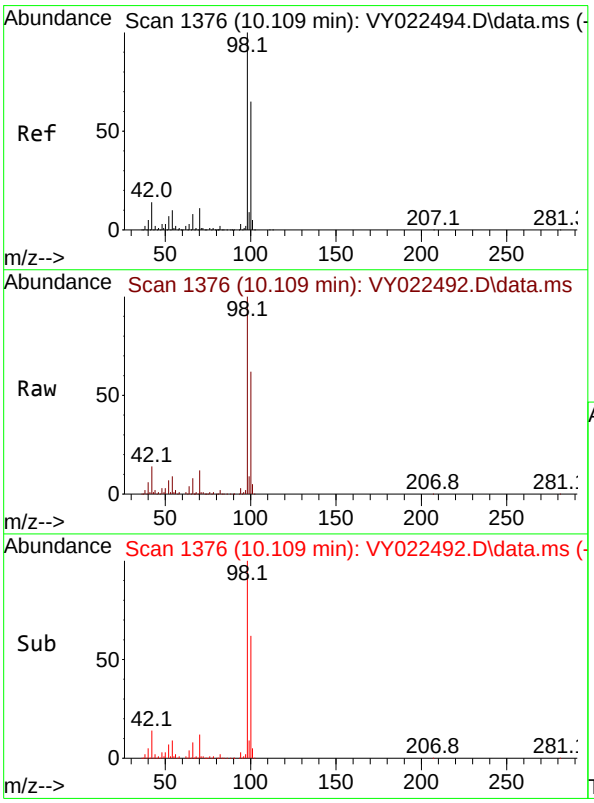
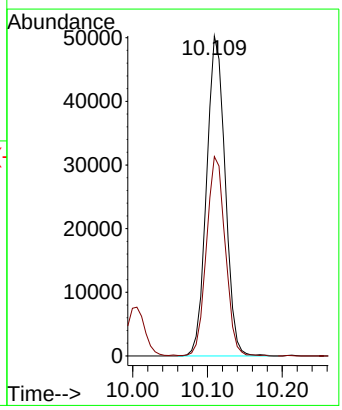
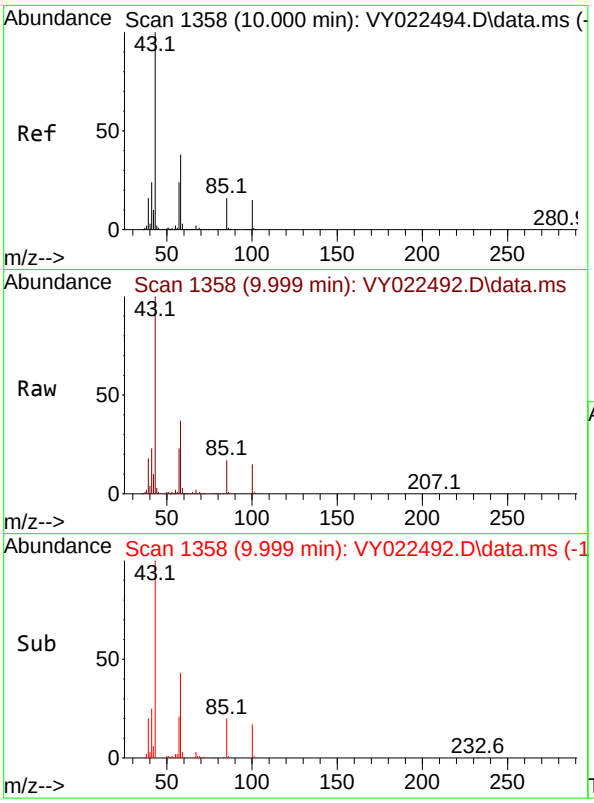


#50
Toluene-d8
Concen: 9.930 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 98 Resp: 86561

Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.4	77.0





#51
4-Methyl-2-Pentanone
Concen: 53.259 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 43 Resp: 8863

Ion	Ratio	Lower	Upper
43	100		
58	38.3	30.4	45.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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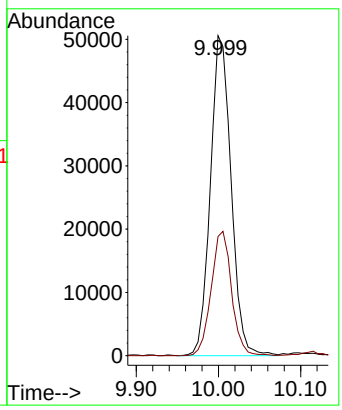
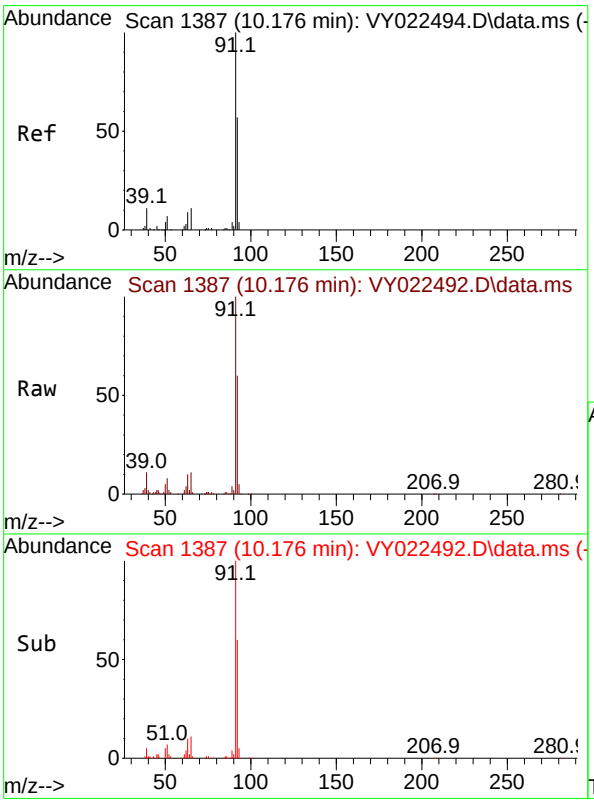
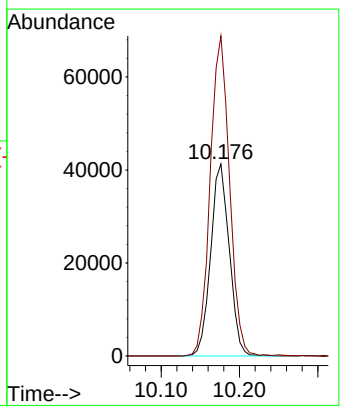


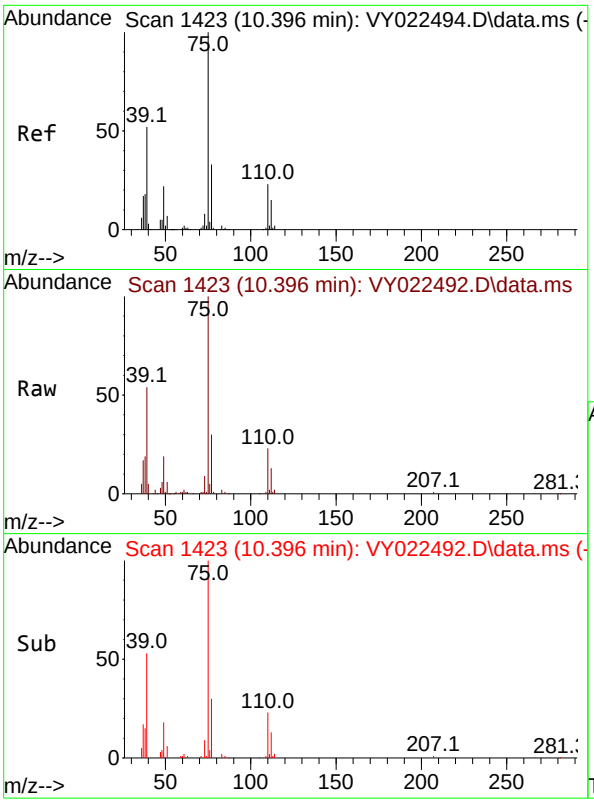


#52
Toluene
Concen: 10.565 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 92 Resp: 68265

Ion	Ratio	Lower	Upper
92	100		
91	172.7	139.0	208.4





#53
t-1,3-Dichloropropene
Concen: 10.649 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 75 Resp: 3430

Ion	Ratio	Lower	Upper
75	100		
77	30.3	26.5	39.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 06/03/2025
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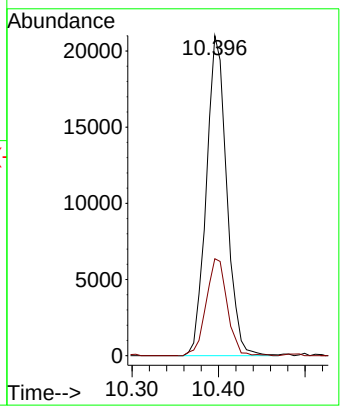
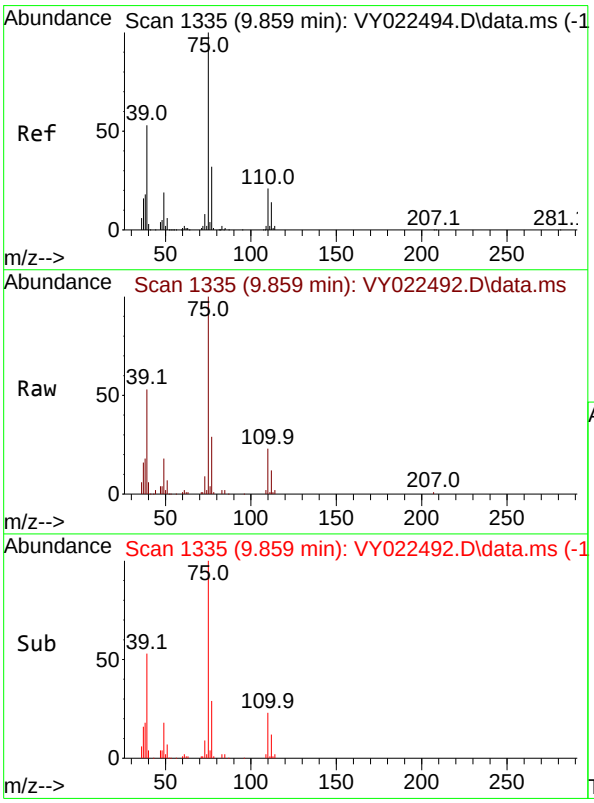
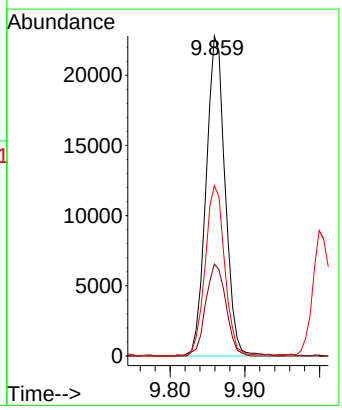


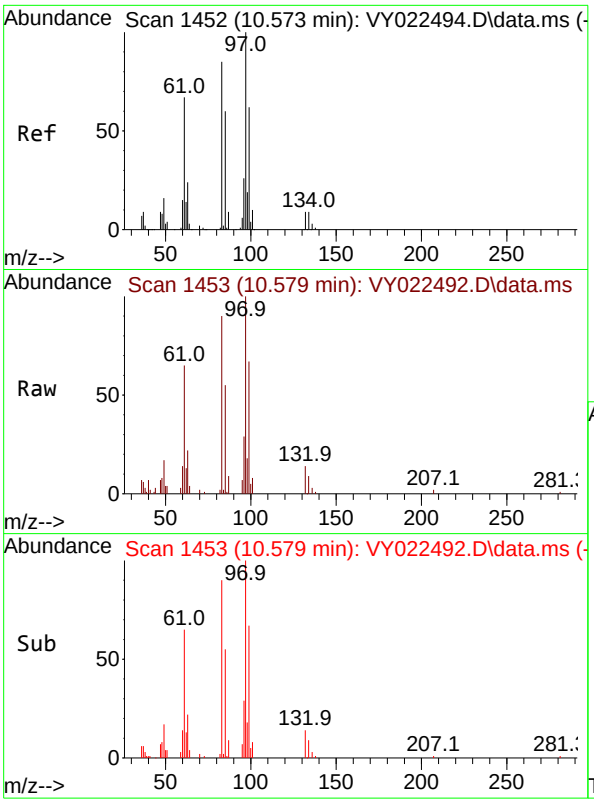


#54
cis-1,3-Dichloropropene
Concen: 10.649 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 75 Resp: 40229

Ion	Ratio	Lower	Upper
75	100		
77	28.7	25.3	37.9
39	52.8	42.7	64.1

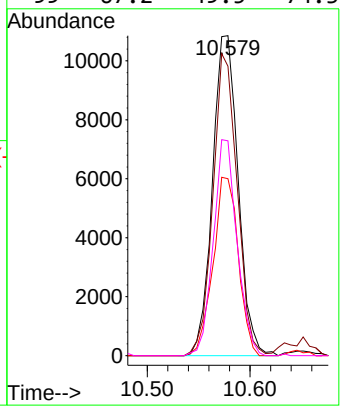




#55
1,1,2-Trichloroethane
Concen: 10.904 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 97 Resp: 1884

Ion	Ratio	Lower	Upper
97	100		
83	90.5	68.1	102.1
85	55.3	48.2	72.2
99	67.2	49.5	74.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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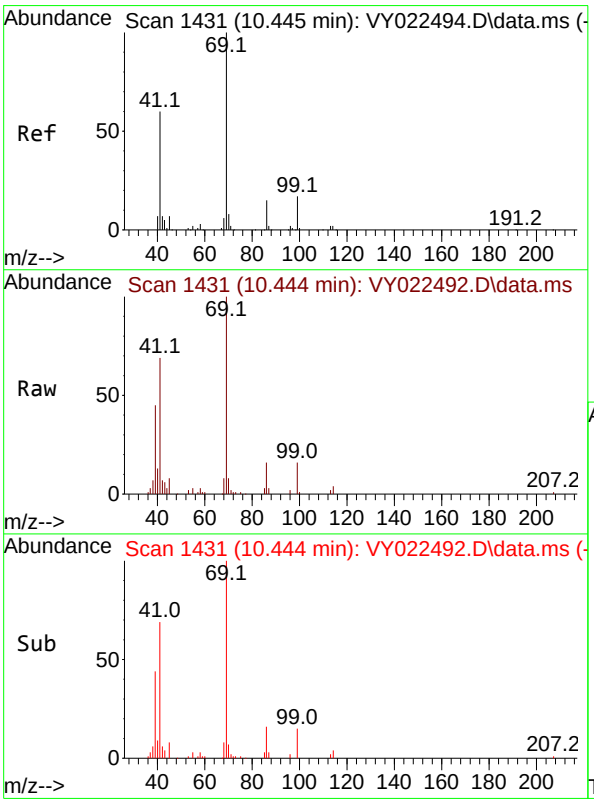
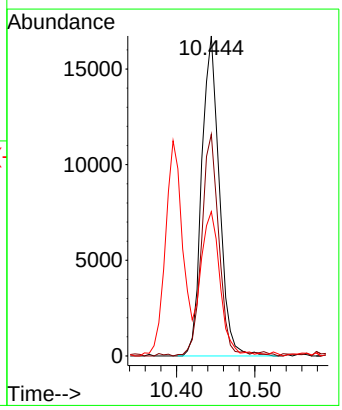
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

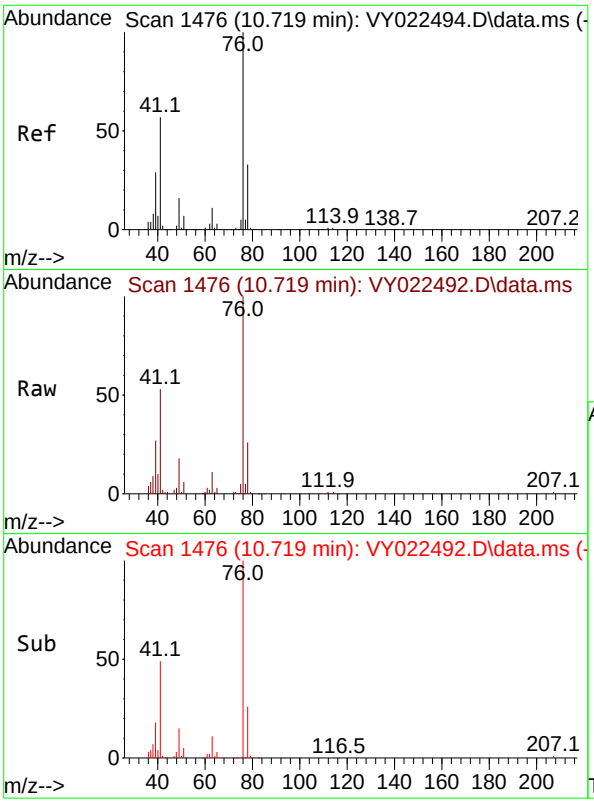


#56
Ethyl methacrylate
Concen: 10.426 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 69 Resp: 26171

Ion	Ratio	Lower	Upper
69	100		
41	67.3	52.2	78.2
39	47.9	36.7	55.1

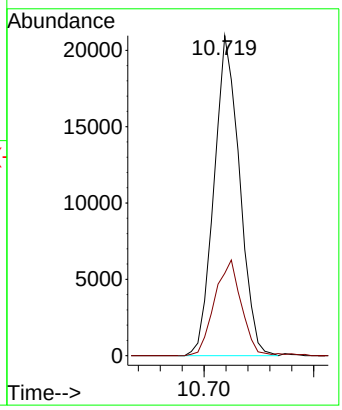




#57
1,3-Dichloropropane
Concen: 10.991 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 76 Resp: 3383(

Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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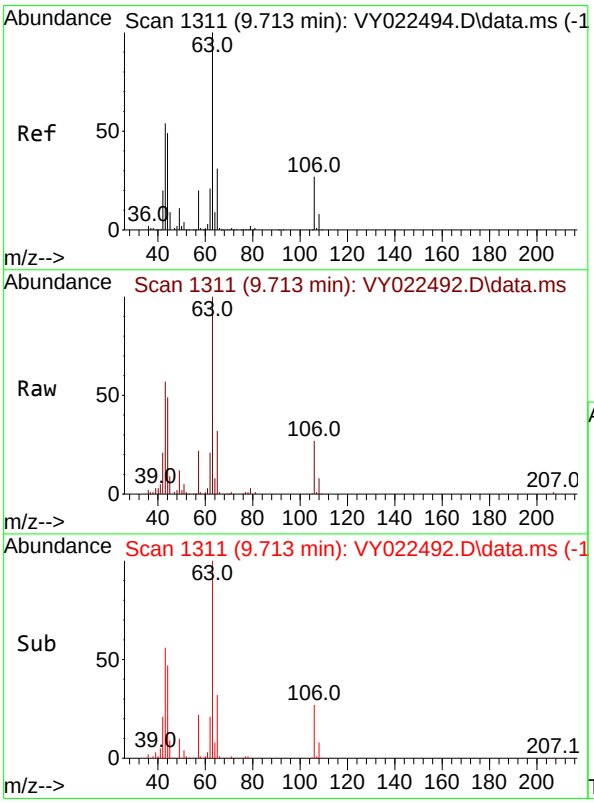
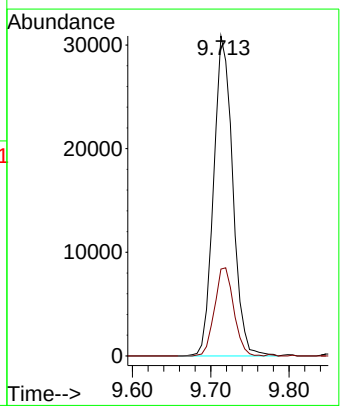
Supervised By :Mahesh Dadoda 06/03/2025

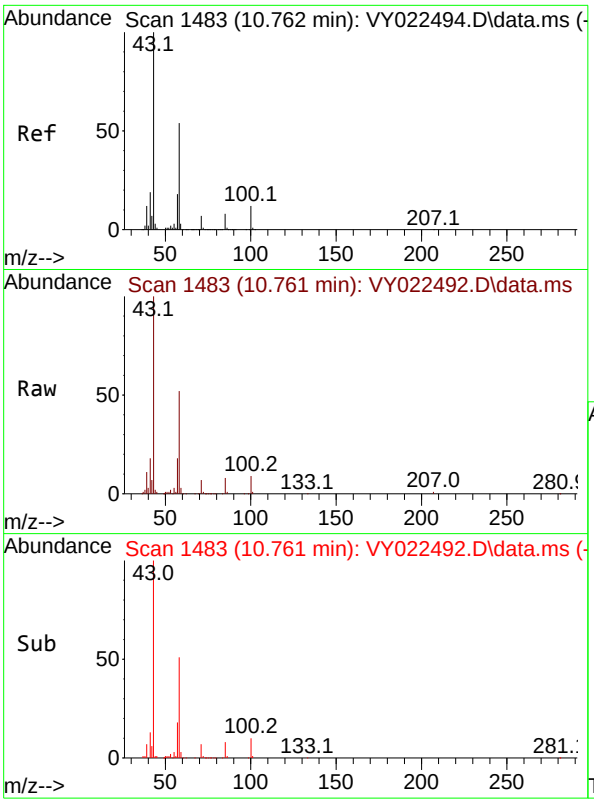


#58
2-Chloroethyl Vinyl ether
Concen: 46.819 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 63 Resp: 52396

Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.6	32.4





#59
2-Hexanone
Concen: 52.045 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 43 Resp: 5773

Ion	Ratio	Lower	Upper
43	100		
58	54.3	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
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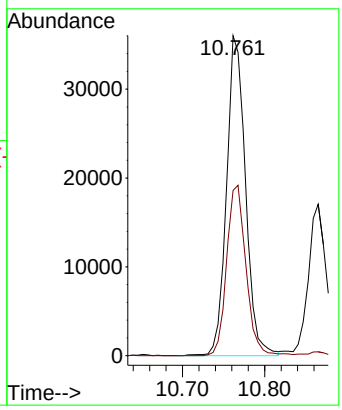
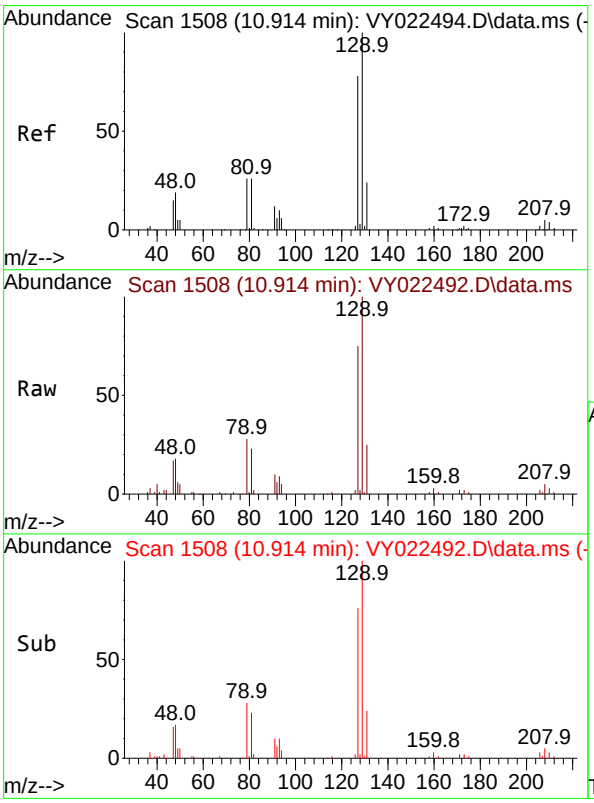
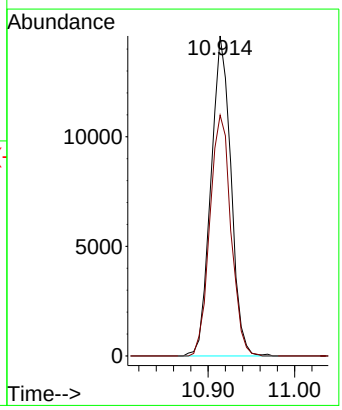


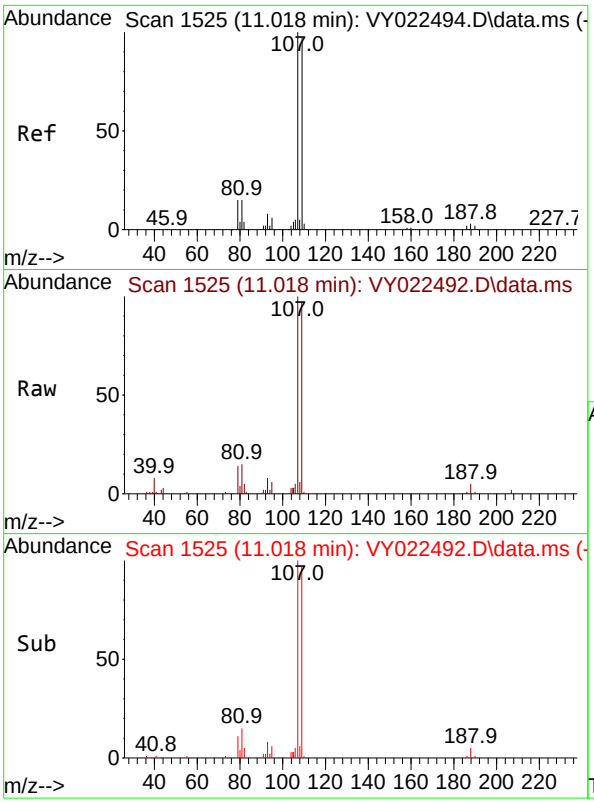


#60
Dibromochloromethane
Concen: 10.694 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:129 Resp: 23423

Ion	Ratio	Lower	Upper
129	100		
127	79.3	39.1	117.2

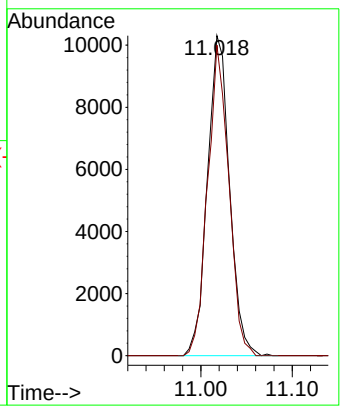




#61
1,2-Dibromoethane
Concen: 10.847 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:107 Resp: 1730

Ion	Ratio	Lower	Upper
107	100		
109	93.0	77.7	116.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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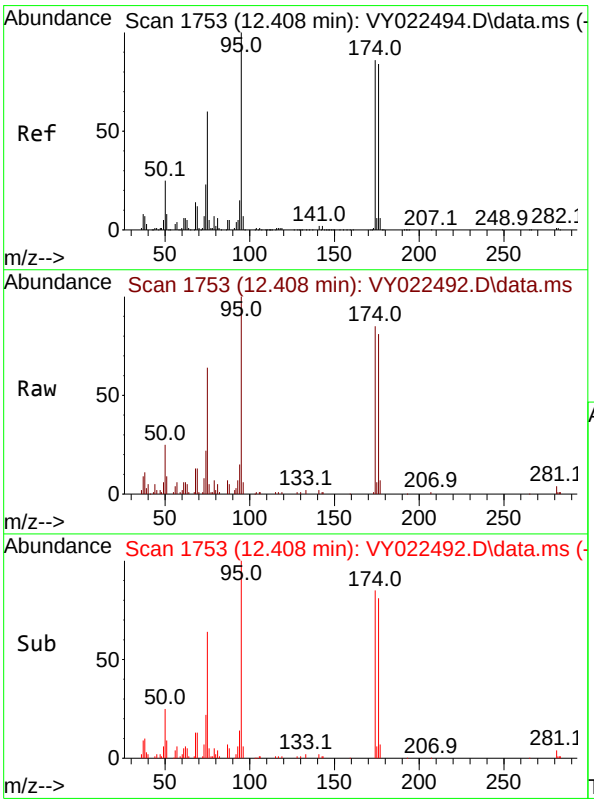
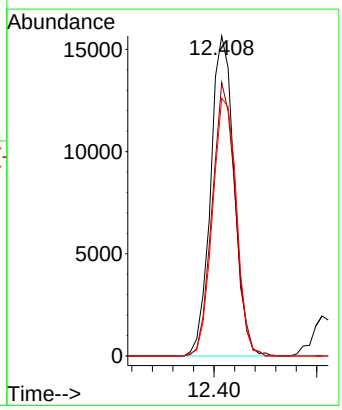
Supervised By :Mahesh Dadoda 06/03/2025

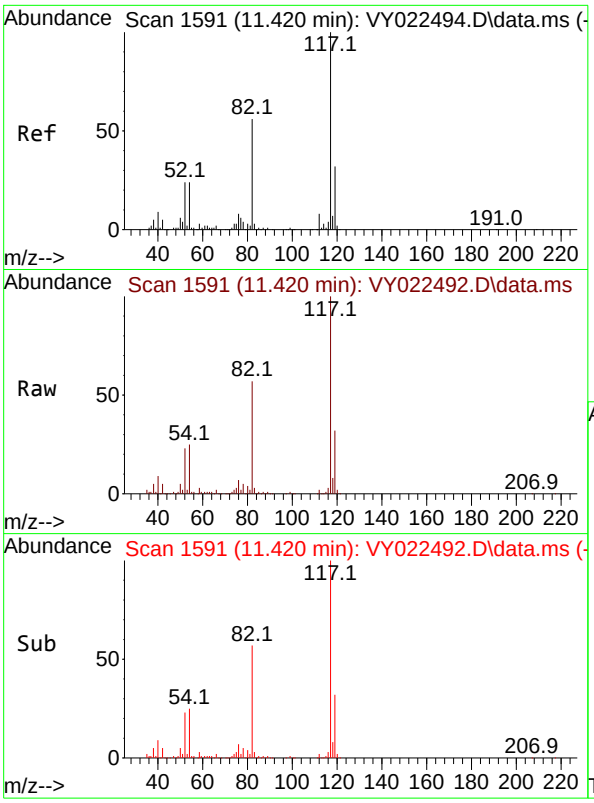


#62
4-Bromofluorobenzene
Concen: 9.409 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 95 Resp: 24870

Ion	Ratio	Lower	Upper
95	100		
174	83.4	0.0	170.0
176	82.2	0.0	166.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:117 Resp: 30282

Ion	Ratio	Lower	Upper
117	100		
82	56.6	44.6	66.8
119	31.7	25.4	38.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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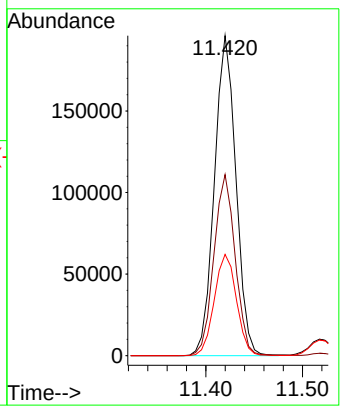
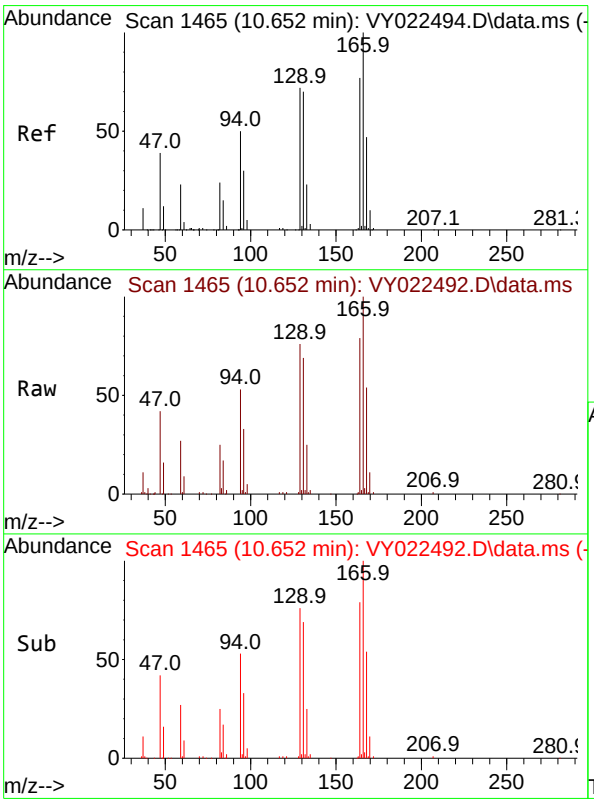
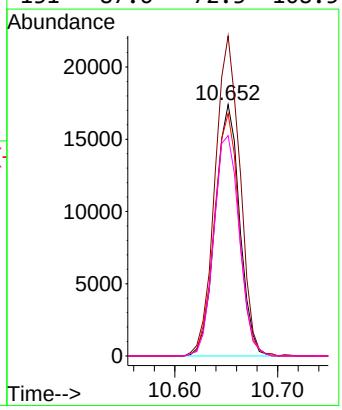


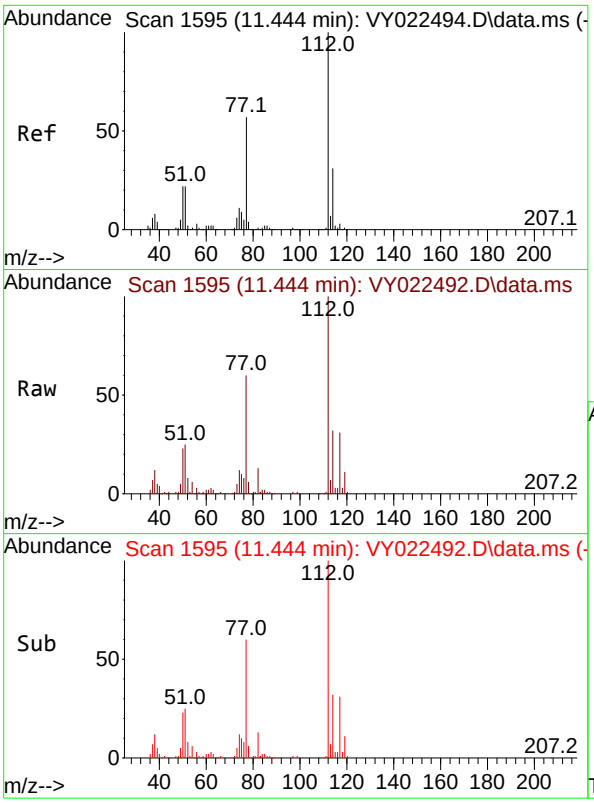


#64
Tetrachloroethene
Concen: 11.144 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:164 Resp: 28680

Ion	Ratio	Lower	Upper
164	100		
166	127.3	104.0	156.0
129	96.5	74.5	111.7
131	87.6	72.3	108.5

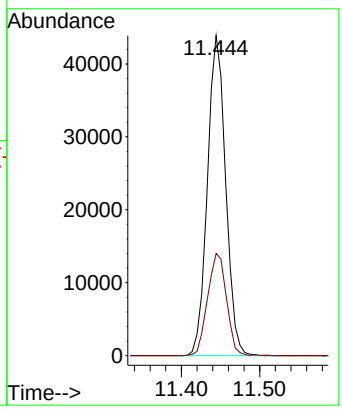




#65
Chlorobenzene
Concen: 10.789 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:112 Resp: 7084

Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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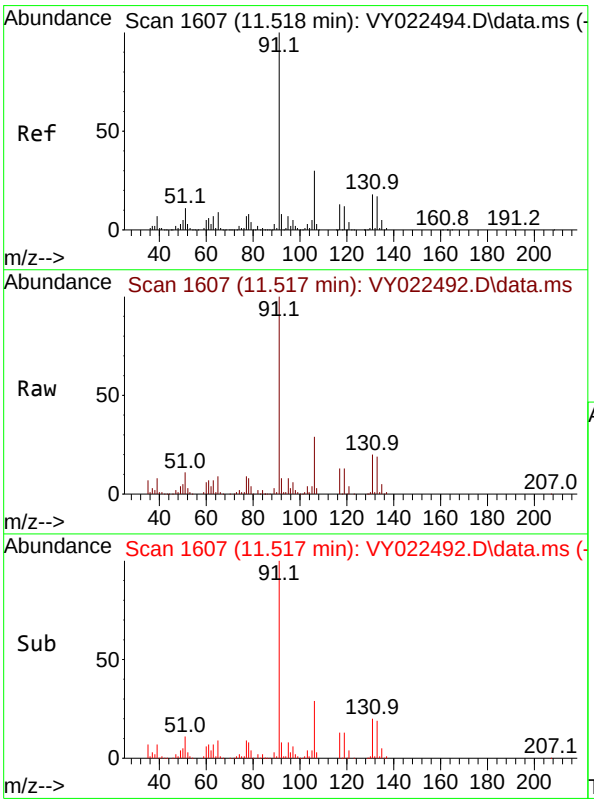
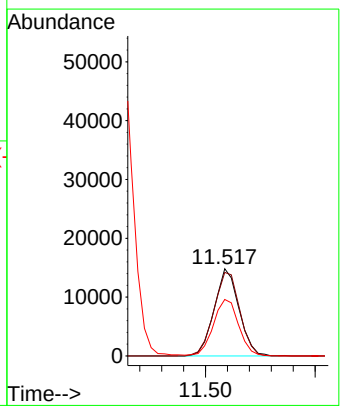
Supervised By :Mahesh Dadoda 06/03/2025

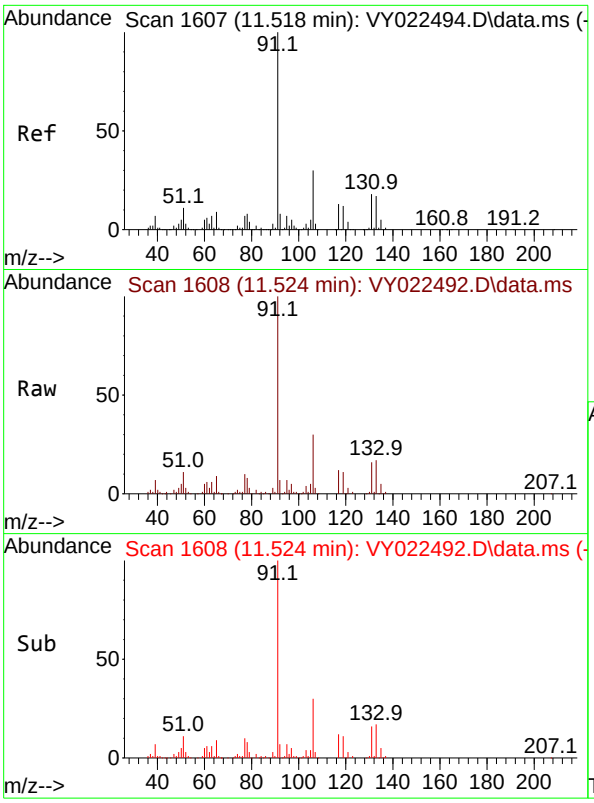


#66
1,1,1,2-Tetrachloroethane
Concen: 10.427 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:131 Resp: 23209

Ion	Ratio	Lower	Upper
131	100		
133	100.5	47.3	141.8
119	66.5	33.1	99.3

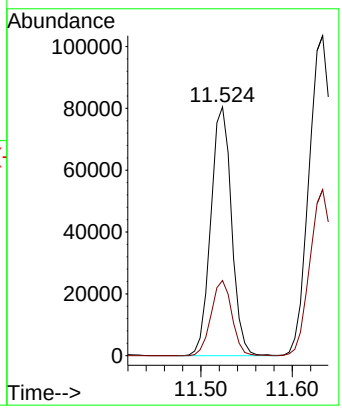




#67
Ethyl Benzene
Concen: 10.350 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 91 Resp: 12655

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.2	36.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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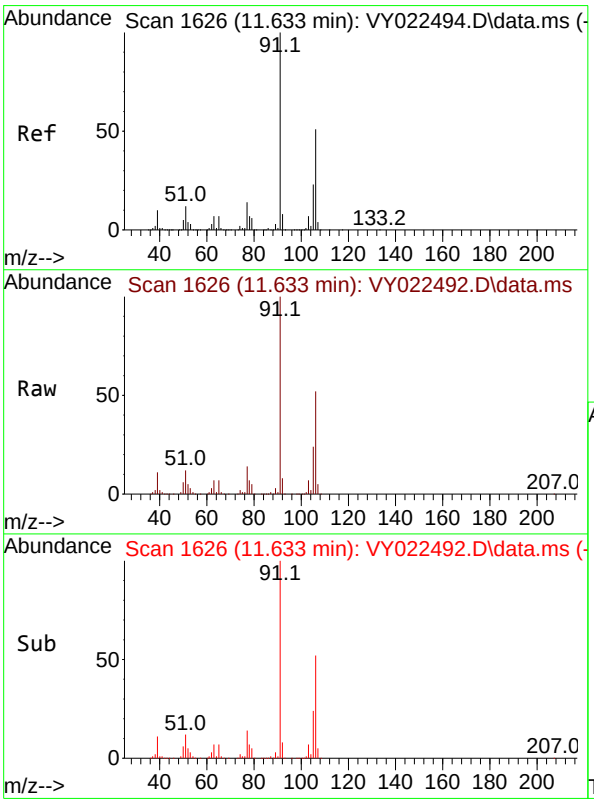
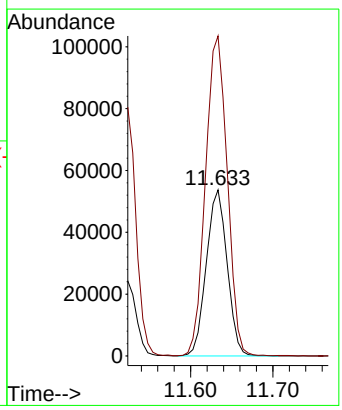
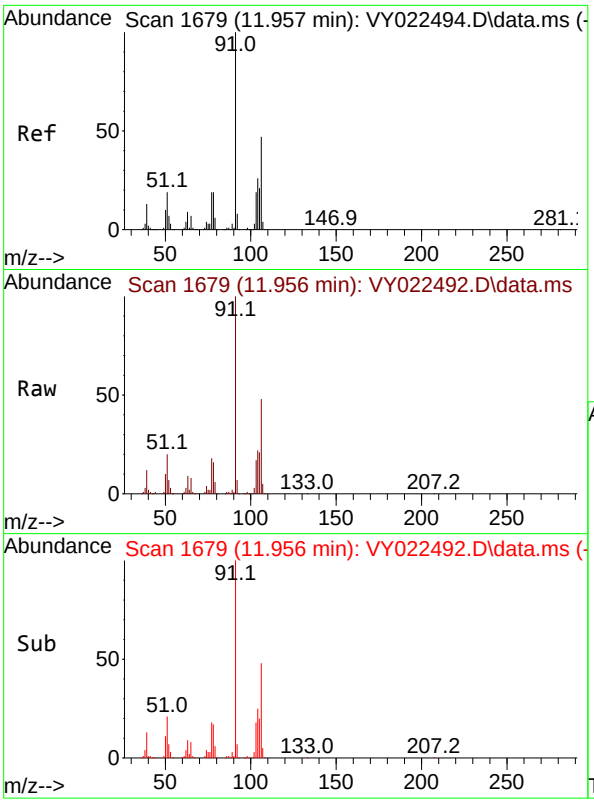


#68
m/p-Xylenes
Concen: 20.427 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:106 Resp: 94535

Ion	Ratio	Lower	Upper
106	100		
91	200.7	159.4	239.0

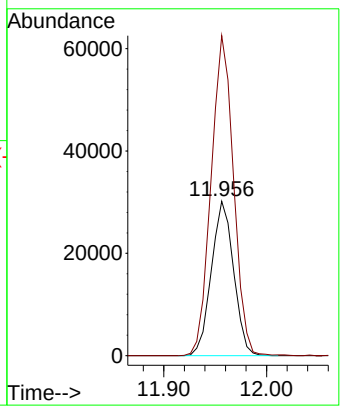




#69
o-Xylene
Concen: 10.476 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:106 Resp: 4537

Ion	Ratio	Lower	Upper
106	100		
91	209.3	105.8	317.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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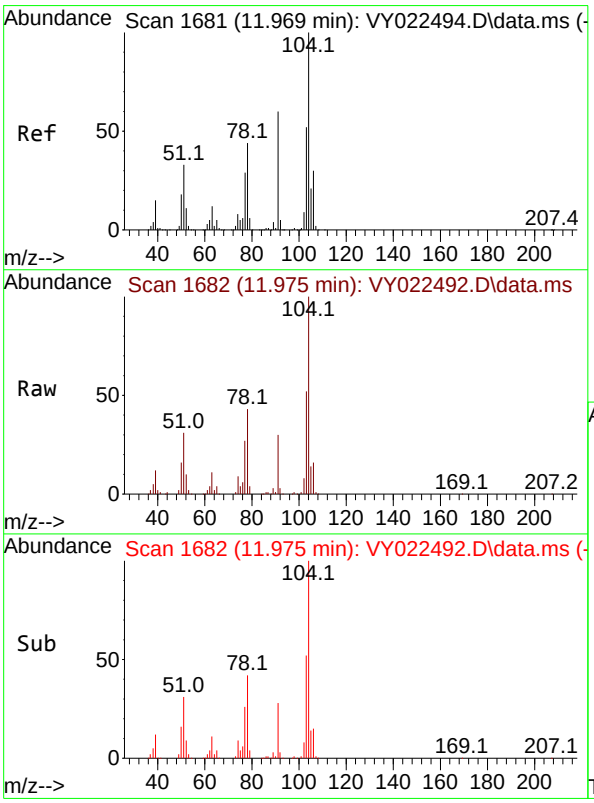
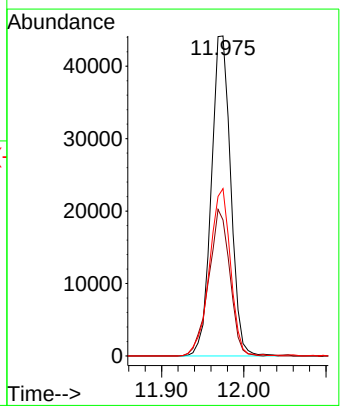
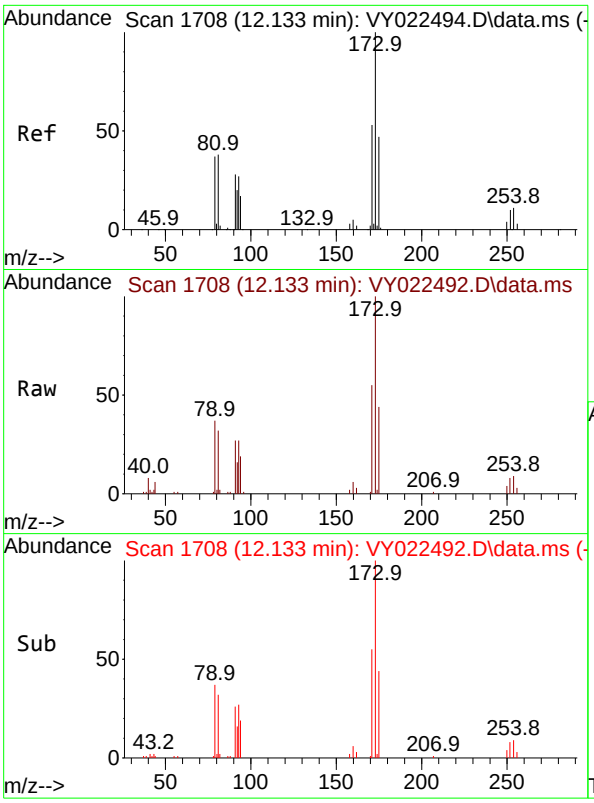


#70
Styrene
Concen: 10.092 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:104 Resp: 72373

Ion	Ratio	Lower	Upper
104	100		
78	49.8	39.5	59.3
103	56.9	44.1	66.1

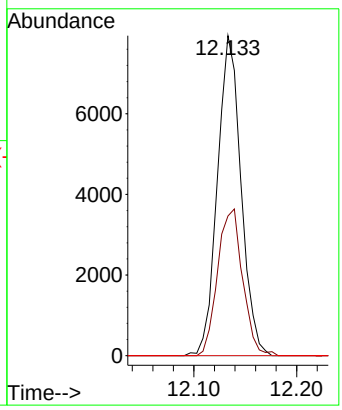




#71
Bromoform
Concen: 10.804 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:173 Resp: 1263

Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.8	71.5
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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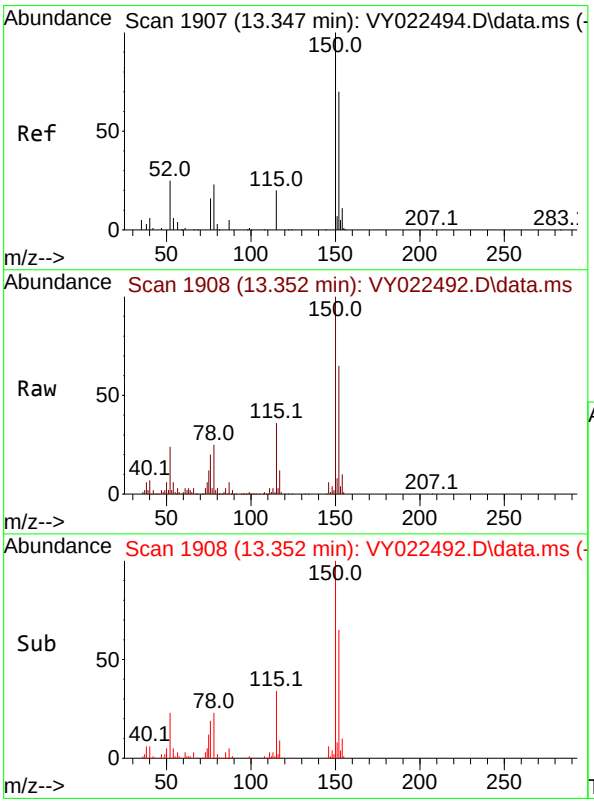
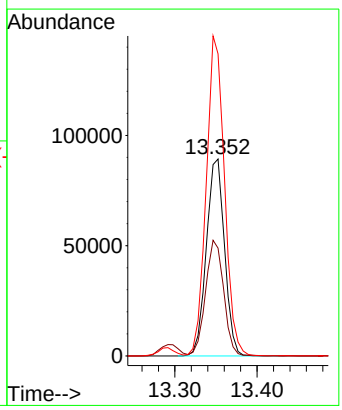
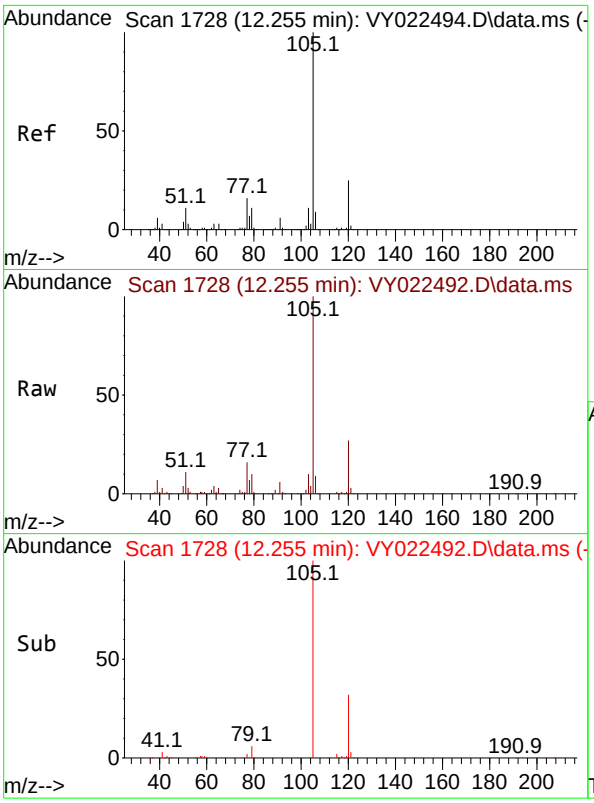


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:152 Resp: 137338

Ion	Ratio	Lower	Upper
152	100		
115	58.4	28.9	86.7
150	162.7	0.0	349.6





#73
Isopropylbenzene
Concen: 10.695 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:105 Resp: 11834

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.0	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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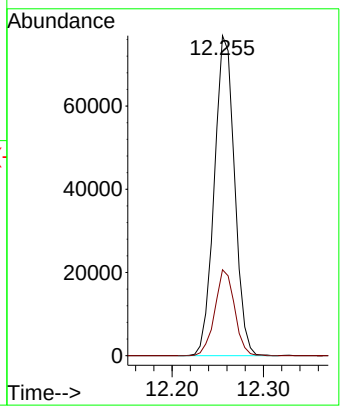
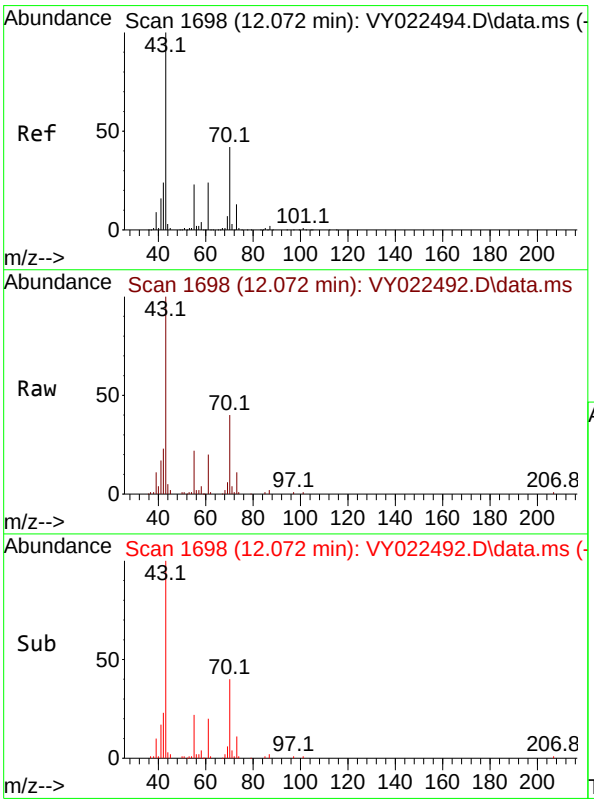
Supervised By :Mahesh Dadoda 06/03/2025

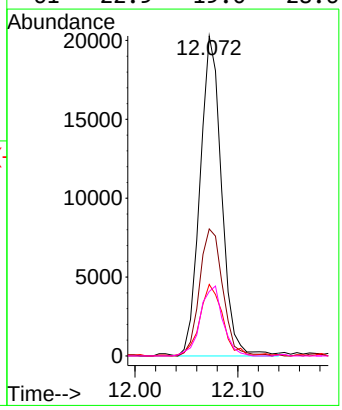


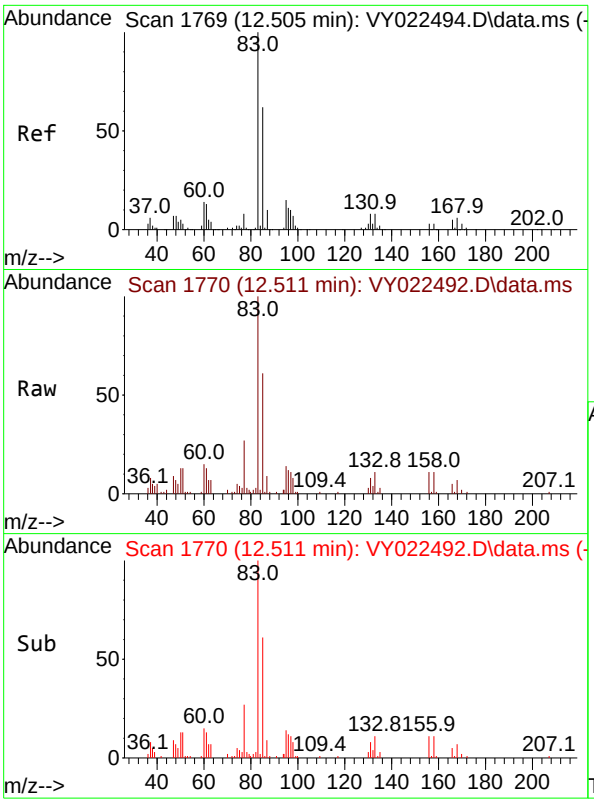


#74
N-amyl acetate
Concen: 10.581 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 43 Resp: 29609

Ion	Ratio	Lower	Upper
43	100		
70	42.8	34.2	51.2
55	23.8	18.2	27.4
61	22.9	19.0	28.6

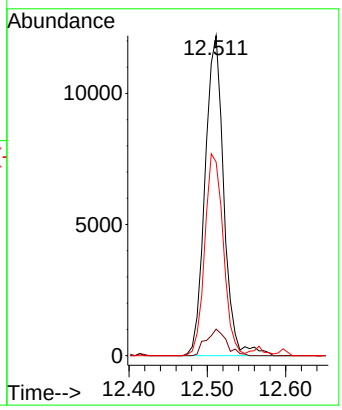




#75
1,1,2,2-Tetrachloroethane
Concen: 11.276 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 83 Resp: 2026

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.9	14.7
85	62.2	32.6	97.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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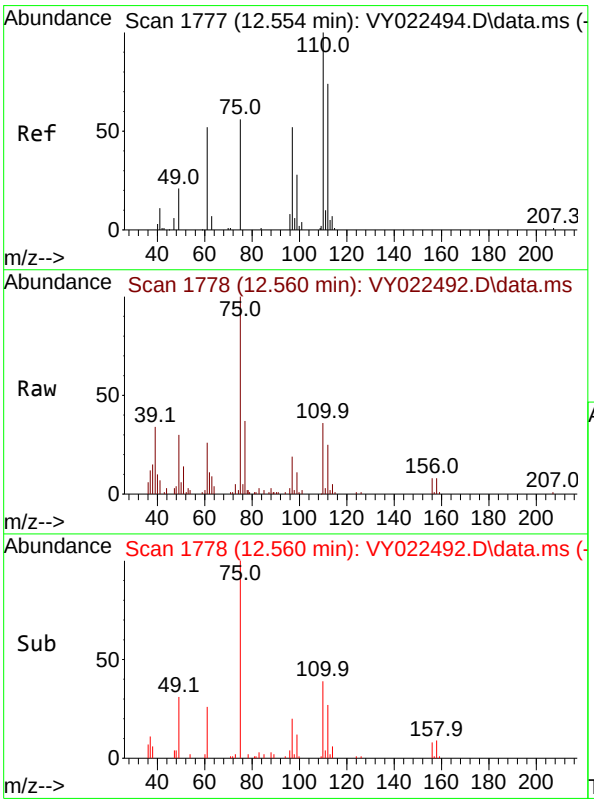
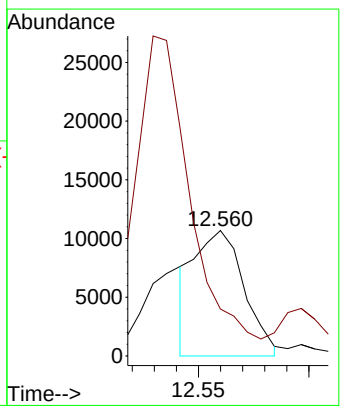
Supervised By :Mahesh Dadoda 06/03/2025

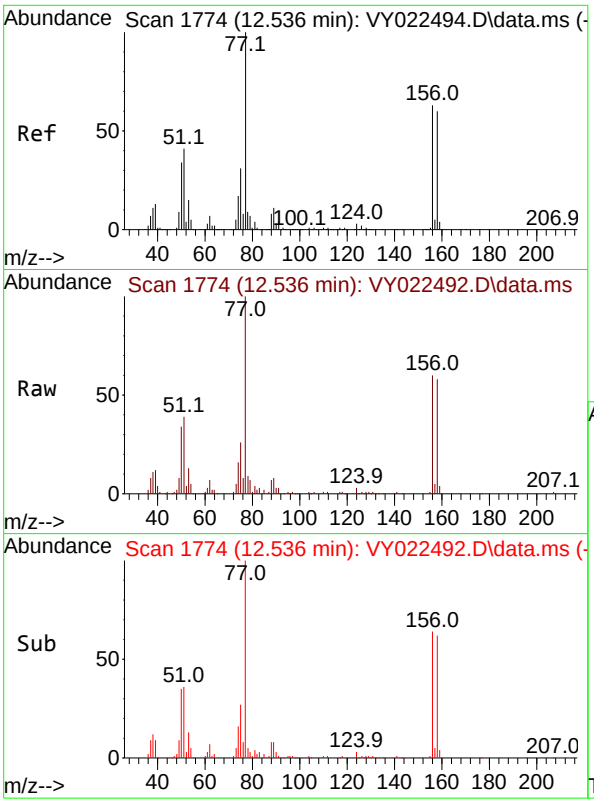


#76
1,2,3-Trichloropropane
Concen: 9.239 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 75 Resp: 16751

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 10.827 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:156 Resp: 2539

Ion	Ratio	Lower	Upper
156	100		
77	191.7	94.0	282.1
158	97.6	48.2	144.6

Instrument :
MSVOA_Y
ClientSampleId :
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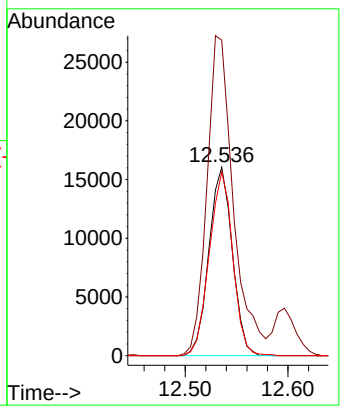
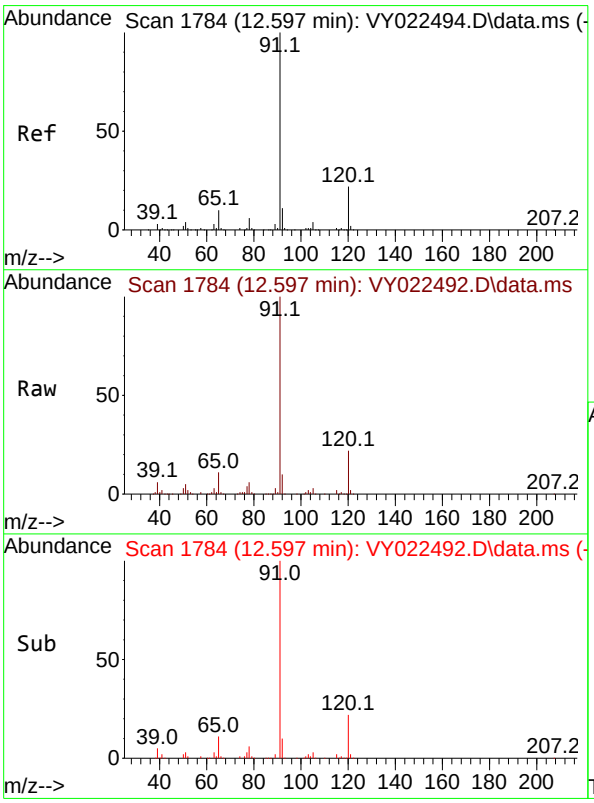
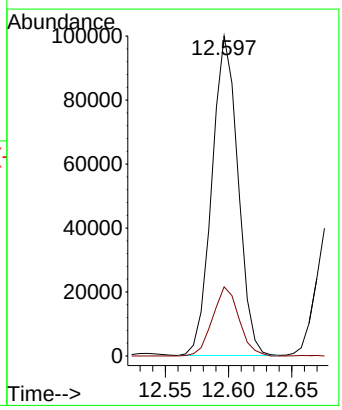


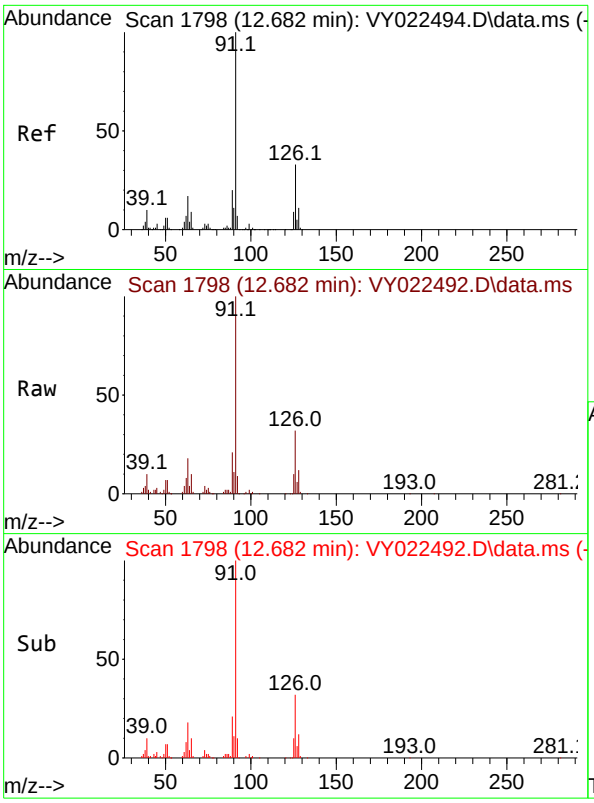


#78
n-propylbenzene
Concen: 10.648 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 91 Resp: 143414

Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.8	32.4





#79
2-Chlorotoluene
Concen: 10.591 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 91 Resp: 7532

Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.0	51.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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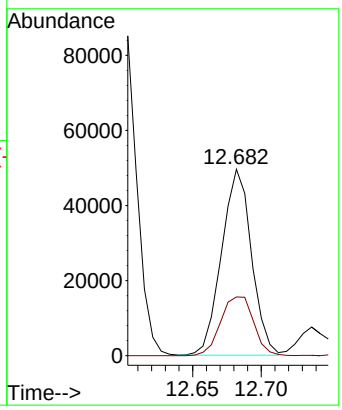
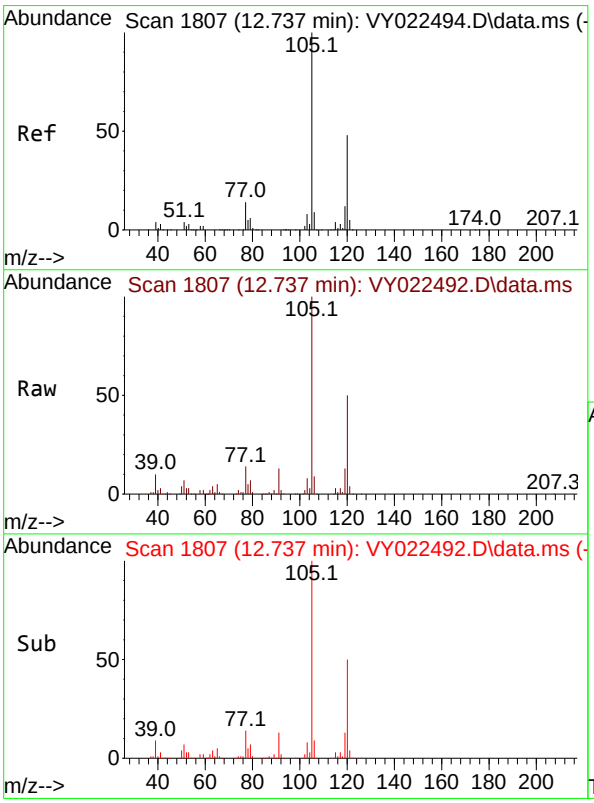
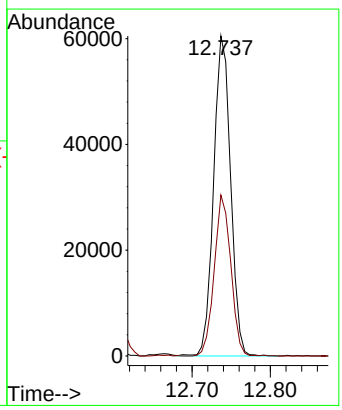


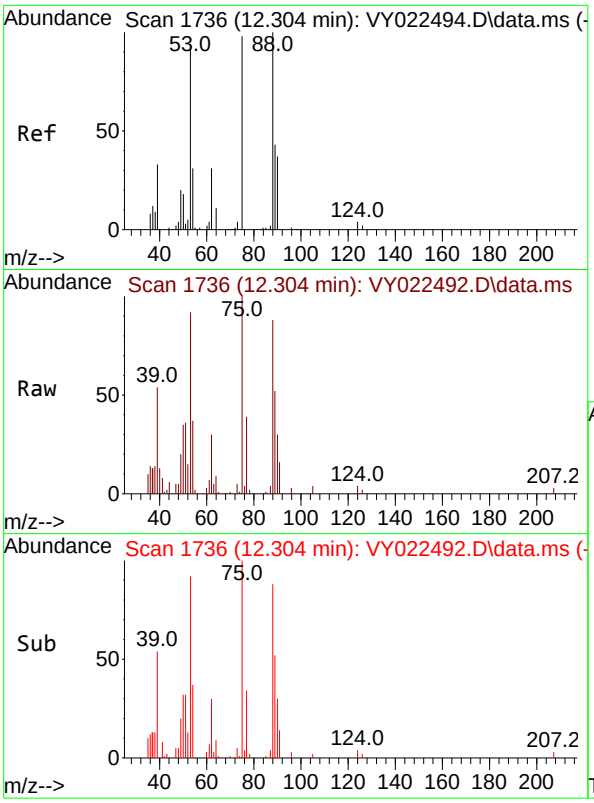


#80
1,3,5-Trimethylbenzene
Concen: 10.532 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:105 Resp: 91121

Ion	Ratio	Lower	Upper
105	100		
120	49.2	24.1	72.4





#81
trans-1,4-Dichloro-2-butene
Concen: 11.084 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 75 Resp: 700

Ion	Ratio	Lower	Upper
75	100		
53	94.7	78.5	117.7
89	47.6	35.7	53.5

Instrument :
MSVOA_Y
ClientSampleId :
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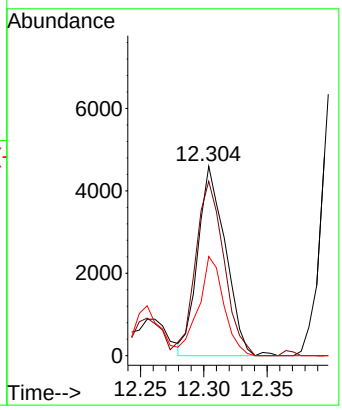
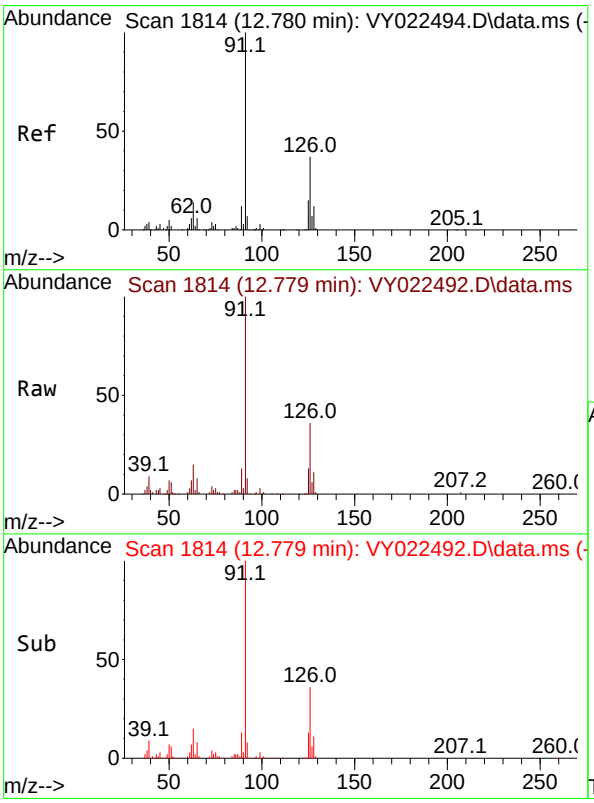
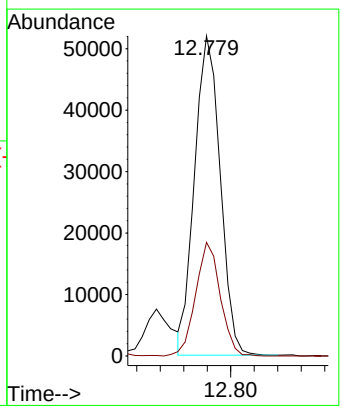


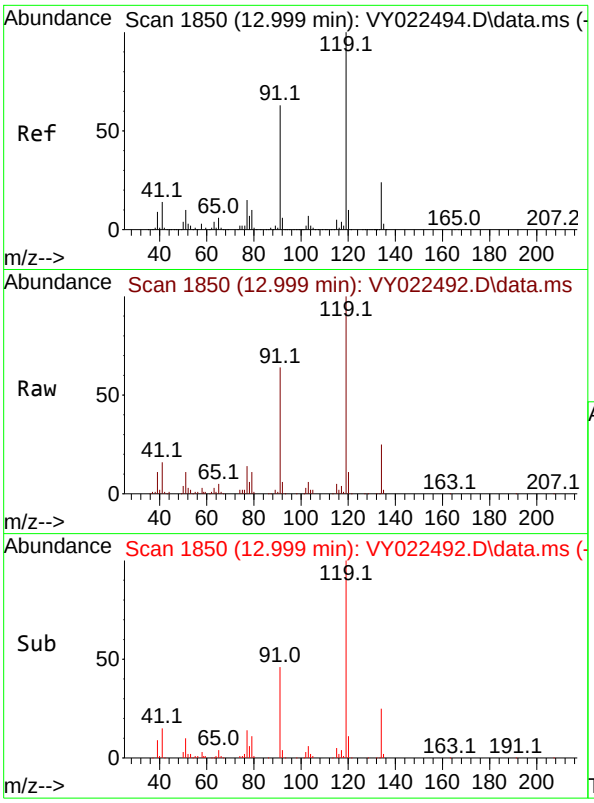


#82
4-Chlorotoluene
Concen: 10.676 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 91 Resp: 78689

Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.0	50.9

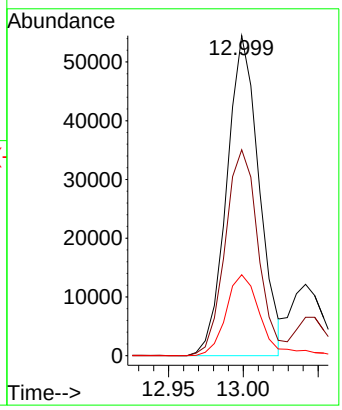




#83
tert-Butylbenzene
Concen: 10.367 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:119 Resp: 8182

Ion	Ratio	Lower	Upper
119	100		
91	66.3	32.1	96.3
134	27.2	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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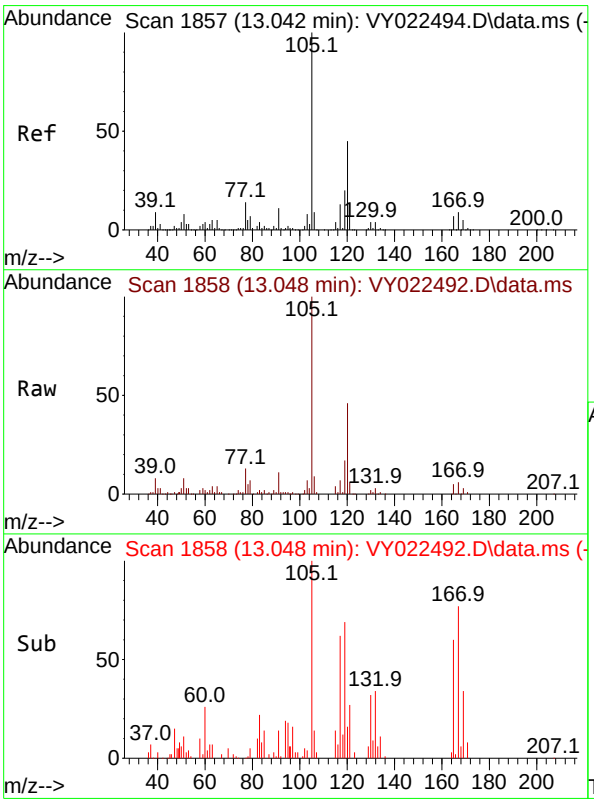
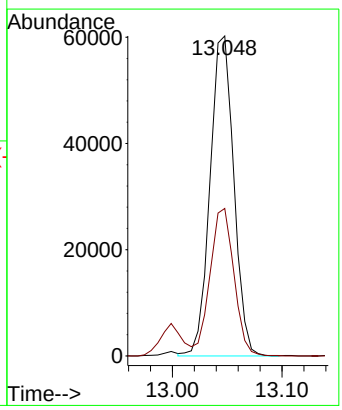
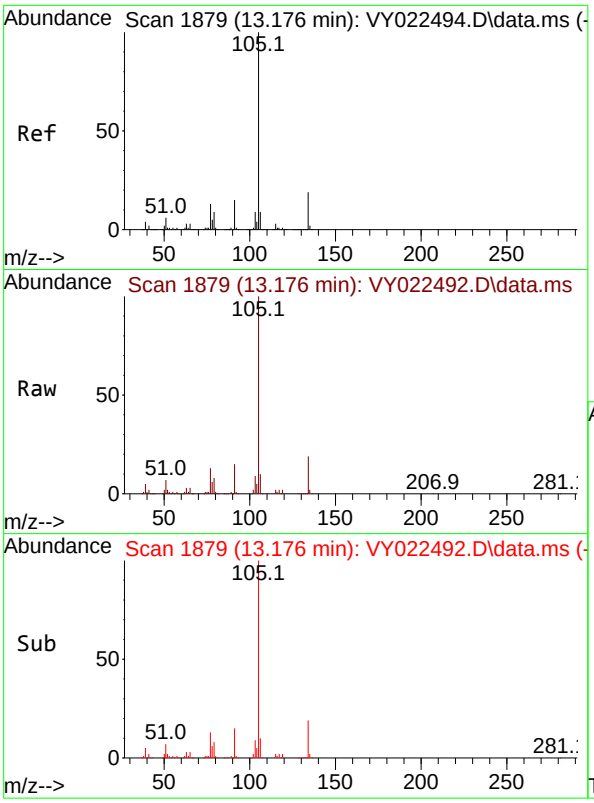


#84
1,2,4-Trimethylbenzene
Concen: 10.495 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:105 Resp: 90848

Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.7	68.1

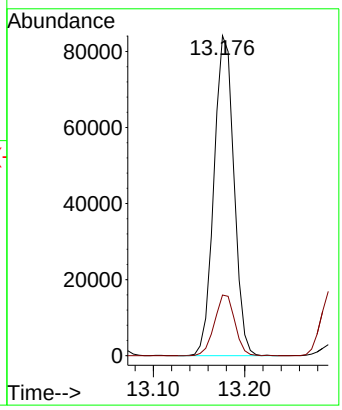




#85
sec-Butylbenzene
Concen: 10.678 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:105 Resp: 12777

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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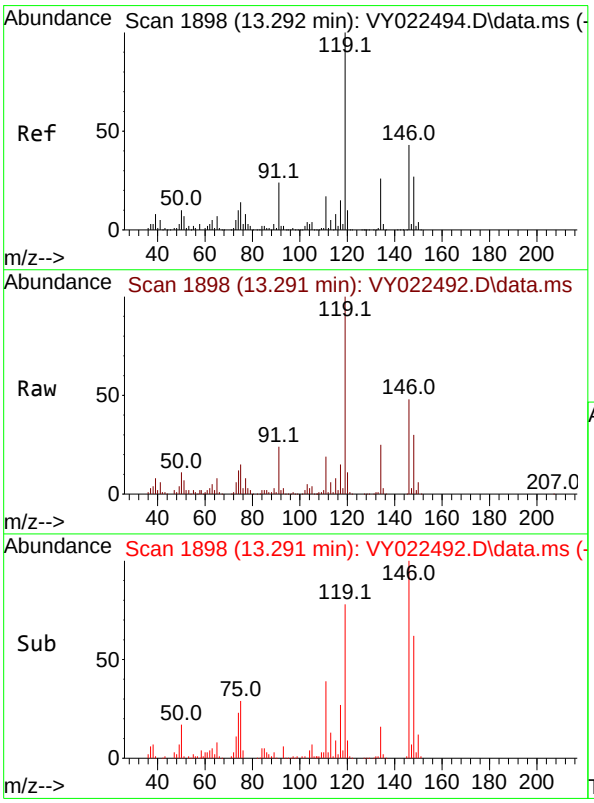
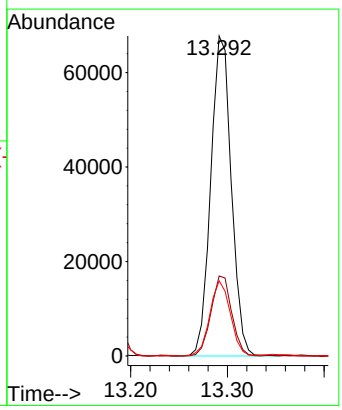
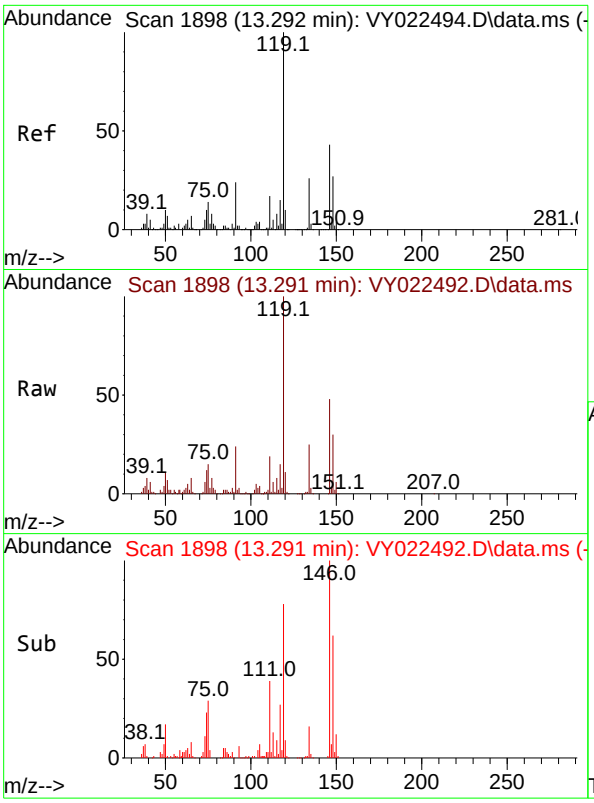


#86
p-Isopropyltoluene
Concen: 10.158 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:119 Resp: 99940

Ion	Ratio	Lower	Upper
119	100		
134	25.2	13.1	39.1
91	23.5	11.6	34.8





#87
1,3-Dichlorobenzene
Concen: 10.437 ug/l
RT: 13.291 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:146 Resp: 4897

Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.1	60.2
148	64.6	32.1	96.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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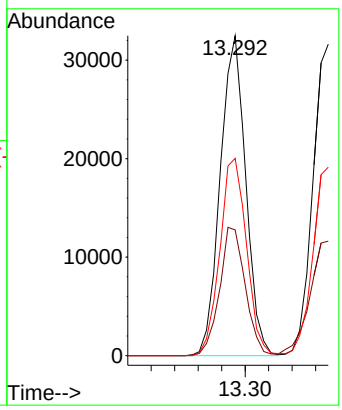
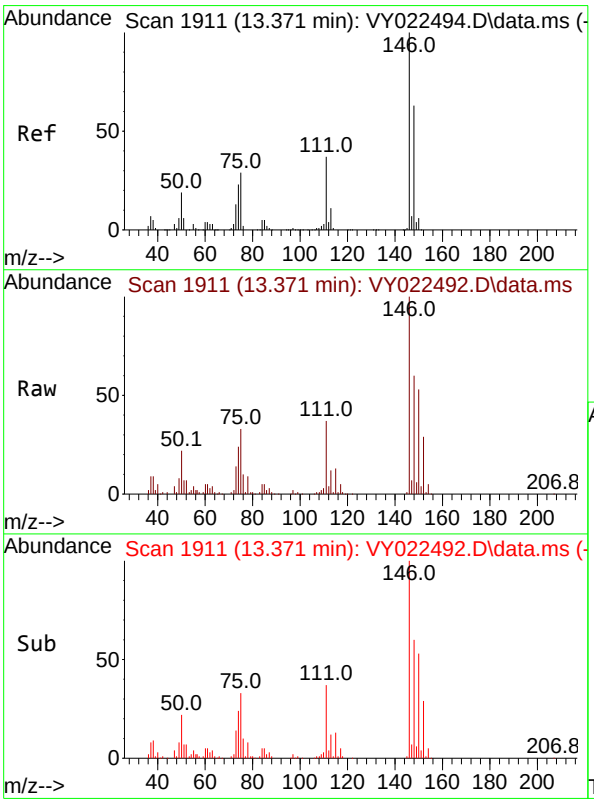
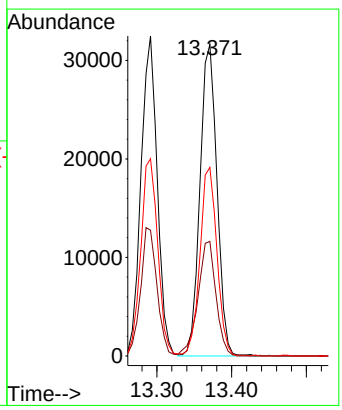


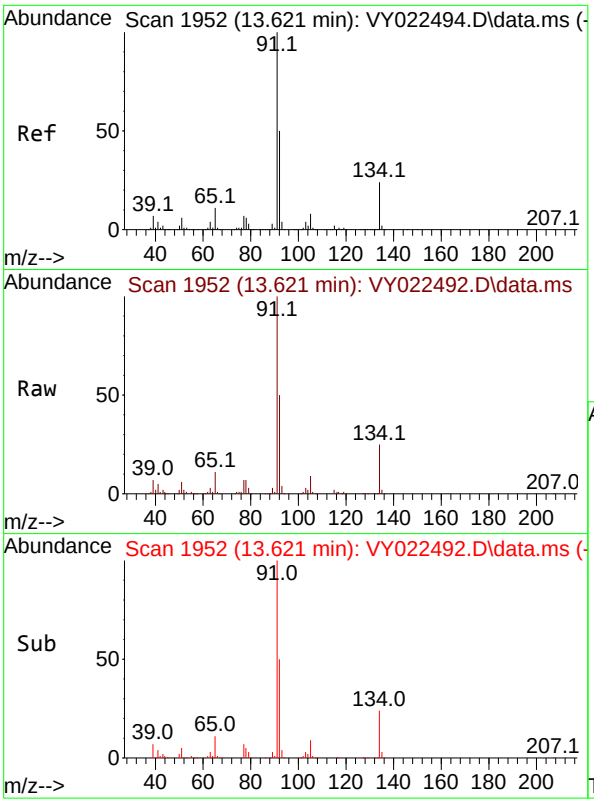


#88
1,4-Dichlorobenzene
Concen: 10.900 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:146 Resp: 49834

Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.2
148	60.6	31.6	94.8

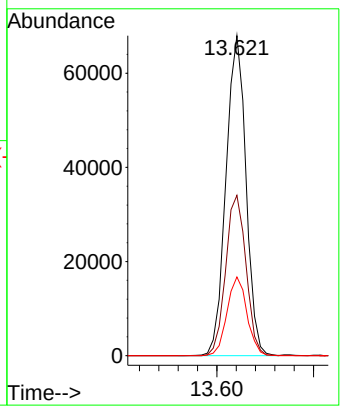




#89
n-Butylbenzene
Concen: 10.413 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 91 Resp: 9754

Ion	Ratio	Lower	Upper
91	100		
92	51.0	25.9	77.8
134	24.6	12.0	36.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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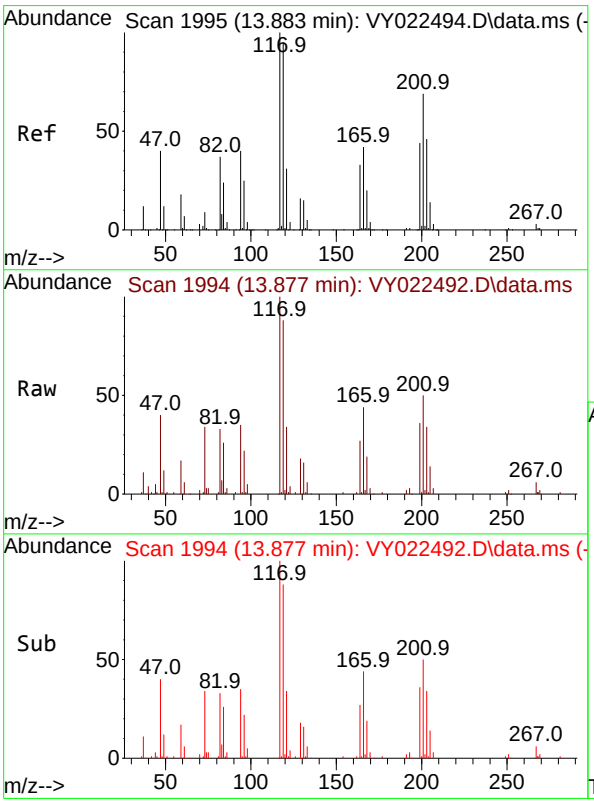
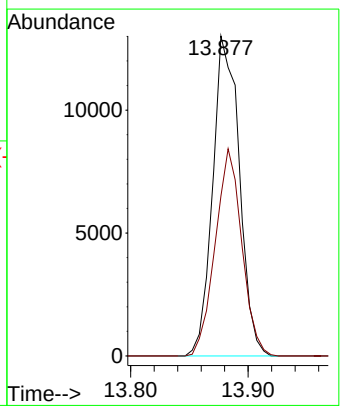
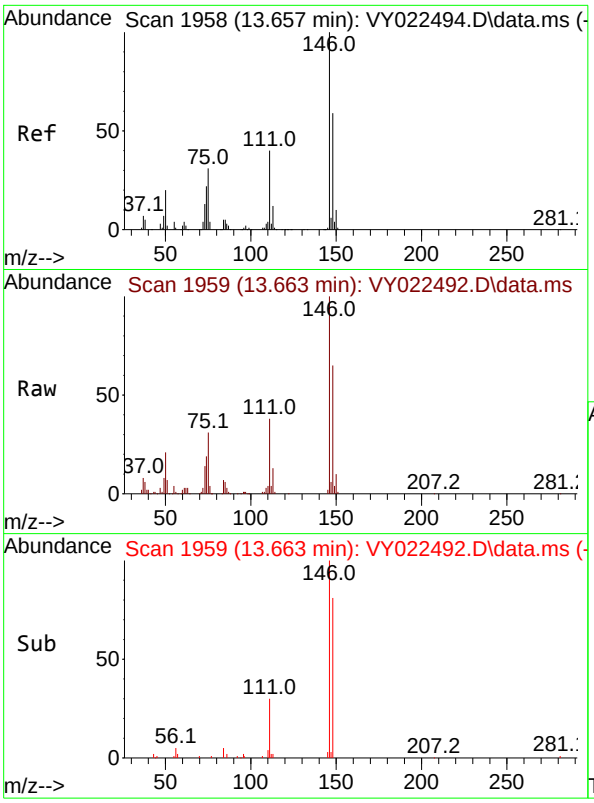


#90
Hexachloroethane
Concen: 10.631 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:117 Resp: 20466

Ion	Ratio	Lower	Upper
117	100		
201	64.9	34.0	102.0

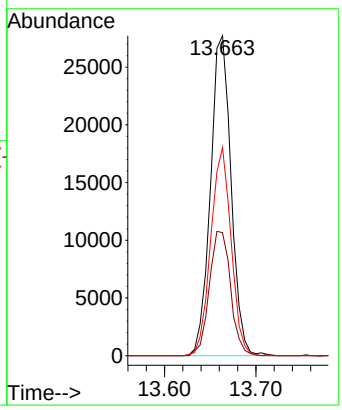




#91
1,2-Dichlorobenzene
Concen: 10.781 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:146 Resp: 4346

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.2	60.6
148	64.0	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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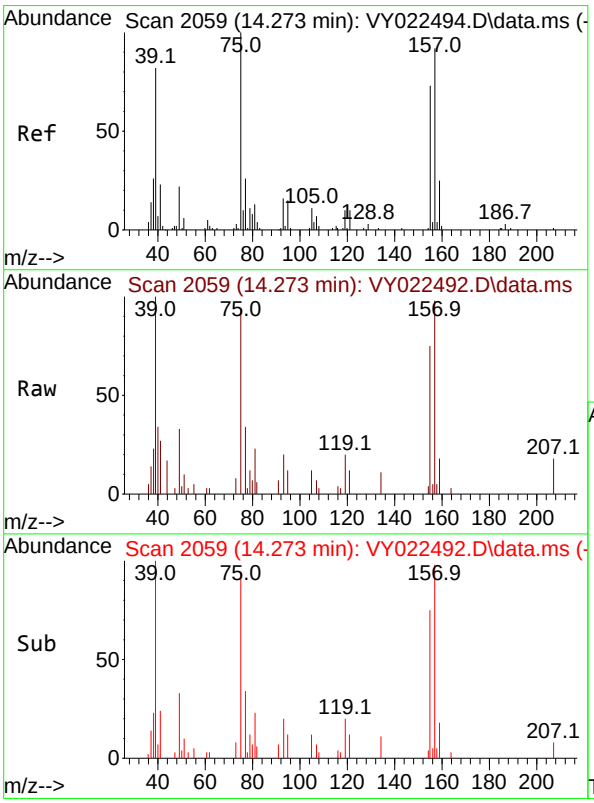
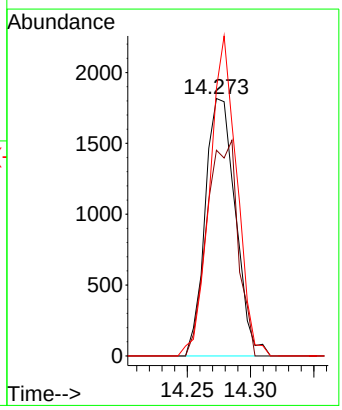
Supervised By :Mahesh Dadoda 06/03/2025

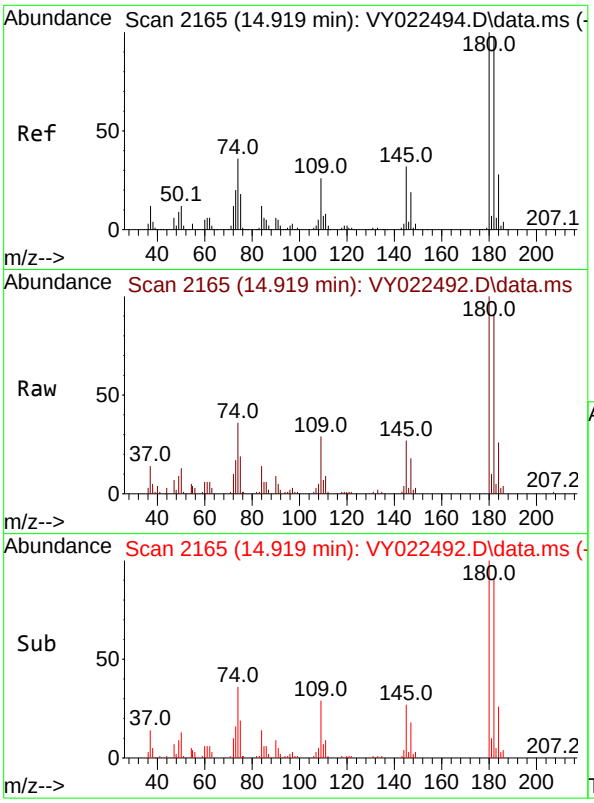


#92
1,2-Dibromo-3-Chloropropane
Concen: 11.095 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 75 Resp: 3014

Ion	Ratio	Lower	Upper
75	100		
155	86.2	39.9	119.6
157	111.3	54.0	162.0

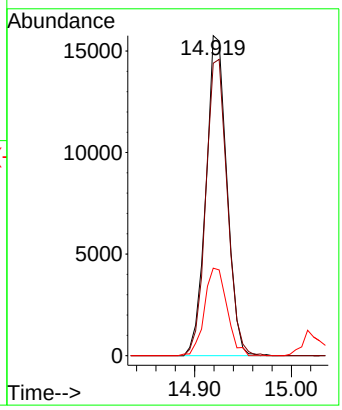




#93
1,2,4-Trichlorobenzene
Concen: 10.760 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:180 Resp: 2371

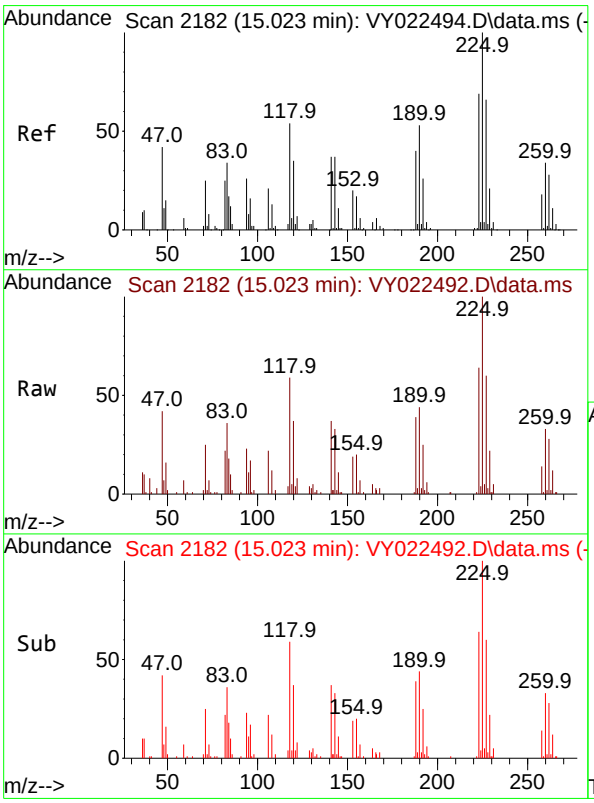
Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.4	145.3
145	29.5	15.5	46.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

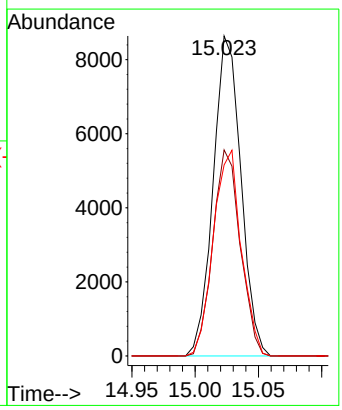
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

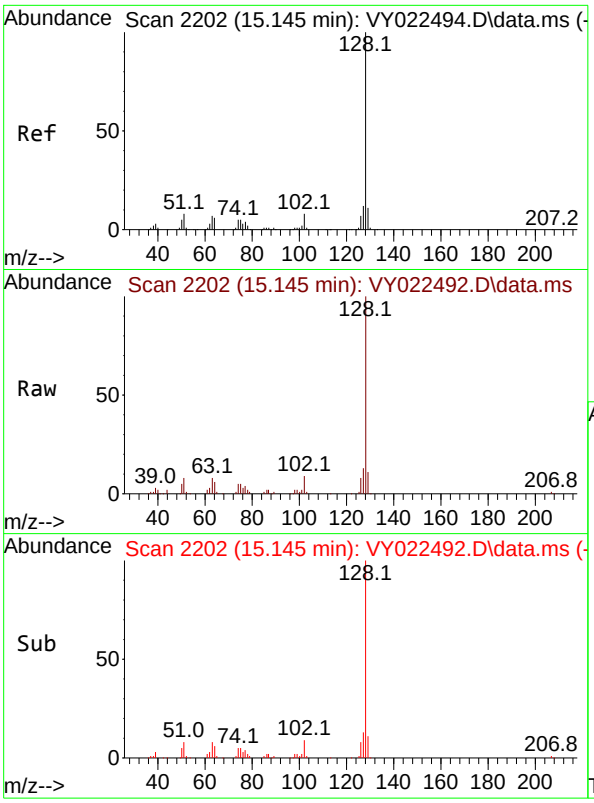


#94
Hexachlorobutadiene
Concen: 10.951 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:225 Resp: 13179

Ion	Ratio	Lower	Upper
225	100		
223	63.6	32.5	97.4
227	64.7	32.3	96.9

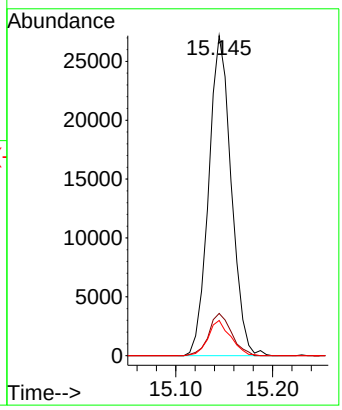




#95
Naphthalene
Concen: 10.434 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:128 Resp: 4406

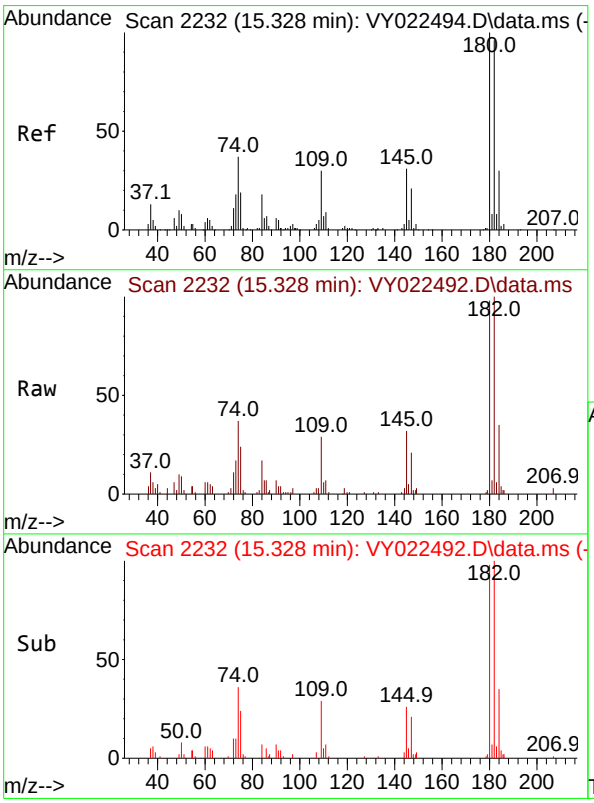
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	10.9	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

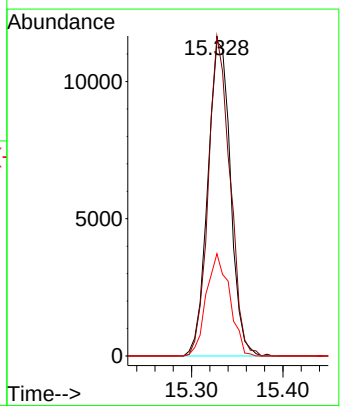
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 10.581 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:180 Resp: 19814

Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.1	141.3
145	33.5	15.2	45.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022493.D
Acq On : 02 Jun 2025 12:32
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:54:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	217359	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	369398	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	314276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	144385	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	48383	20.457	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	40.920%#		
35) Dibromofluoromethane	7.640	113	44482	20.456	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.920%#		
50) Toluene-d8	10.109	98	171165	19.474	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	38.940%#		
62) 4-Bromofluorobenzene	12.408	95	51231	19.225	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	38.440%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	43056	22.669	ug/l	99
3) Chloromethane	2.068	50	124441	22.209	ug/l	98
4) Vinyl Chloride	2.208	62	143182	21.833	ug/l	99
5) Bromomethane	2.592	94	148203	23.891	ug/l	99
6) Chloroethane	2.739	64	104116	23.188	ug/l	98
7) Trichlorofluoromethane	3.056	101	124370	22.320	ug/l	94
8) Diethyl Ether	3.458	74	27359	22.230	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	49746	21.283	ug/l	99
10) Methyl Iodide	4.013	142	52917	21.112	ug/l	99
11) Tert butyl alcohol	4.891	59	19456	115.163	ug/l	96
12) 1,1-Dichloroethene	3.793	96	47770	21.411	ug/l	100
13) Acrolein	3.659	56	22974	111.404	ug/l	98
14) Allyl chloride	4.391	41	73926	21.263	ug/l	98
15) Acrylonitrile	5.073	53	57803	110.420	ug/l	97
16) Acetone	3.885	43	52330	111.925	ug/l	99
17) Carbon Disulfide	4.110	76	150515	21.130	ug/l	99
18) Methyl Acetate	4.397	43	34419	24.470	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	136549	21.935	ug/l	98
20) Methylene Chloride	4.622	84	55399	21.222	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	53194	21.342	ug/l	93
22) Diisopropyl ether	6.031	45	168064	21.739	ug/l	97
23) Vinyl Acetate	5.970	43	497937	108.569	ug/l	99
24) 1,1-Dichloroethane	5.927	63	97760	21.392	ug/l	97
25) 2-Butanone	6.902	43	77329	112.124	ug/l	93
26) 2,2-Dichloropropane	6.890	77	84543	20.811	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	61362	21.300	ug/l	98
28) Bromochloromethane	7.256	49	41634	21.085	ug/l	99
29) Tetrahydrofuran	7.268	42	49517	111.296	ug/l	99
30) Chloroform	7.427	83	96414	21.350	ug/l	96
31) Cyclohexane	7.707	56	95487	20.762	ug/l	97
32) 1,1,1-Trichloroethane	7.628	97	84365	20.905	ug/l	99
36) 1,1-Dichloropropene	7.841	75	72658	20.670	ug/l	98
37) Ethyl Acetate	6.988	43	34204	22.110	ug/l	98
38) Carbon Tetrachloride	7.823	117	73370	20.247	ug/l	93
39) Methylcyclohexane	9.115	83	95280	20.065	ug/l	97
40) Benzene	8.085	78	217595	21.000	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022493.D
Acq On : 02 Jun 2025 12:32
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Jun 03 02:54:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	19470	19.542	ug/l		95
42) 1,2-Dichloroethane	8.164	62	61097	21.676	ug/l		98
43) Isopropyl Acetate	8.201	43	73745	21.814	ug/l		97
44) Trichloroethene	8.872	130	52175	20.613	ug/l		98
45) 1,2-Dichloropropane	9.146	63	52378	21.204	ug/l		99
46) Dibromomethane	9.237	93	29741	21.491	ug/l		99
47) Bromodichloromethane	9.426	83	73717	20.995	ug/l		99
48) Methyl methacrylate	9.225	41	34508	22.294	ug/l		99
49) 1,4-Dioxane	9.237	88	7444	450.895	ug/l		99
51) 4-Methyl-2-Pentanone	9.999	43	181461	108.147	ug/l		98
52) Toluene	10.176	92	133601	20.508	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	70358	21.660	ug/l		95
54) cis-1,3-Dichloropropene	9.859	75	80524	21.141	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	38079	21.849	ug/l		98
56) Ethyl methacrylate	10.444	69	54734	21.626	ug/l		99
57) 1,3-Dichloropropane	10.719	76	66163	21.317	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.713	63	118244	104.797	ug/l		100
59) 2-Hexanone	10.761	43	122817	109.805	ug/l		99
60) Dibromochloromethane	10.914	129	47952	21.715	ug/l		98
61) 1,2-Dibromoethane	11.018	107	35324	21.965	ug/l		95
64) Tetrachloroethene	10.652	164	56256	21.063	ug/l		99
65) Chlorobenzene	11.444	112	138583	20.336	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	47587	20.600	ug/l		98
67) Ethyl Benzene	11.524	91	252180	19.871	ug/l		100
68) m/p-Xylenes	11.633	106	192372	40.053	ug/l		99
69) o-Xylene	11.956	106	90598	20.155	ug/l		98
70) Styrene	11.969	104	149486	20.086	ug/l		98
71) Bromoform	12.133	173	25089	20.668	ug/l	#	99
73) Isopropylbenzene	12.255	105	236185	20.303	ug/l		99
74) N-amyl acetate	12.072	43	62437	21.224	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.511	83	39986	21.165	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	33589m	17.622	ug/l		
77) Bromobenzene	12.536	156	51416	20.853	ug/l		99
78) n-propylbenzene	12.597	91	286589	20.239	ug/l		99
79) 2-Chlorotoluene	12.682	91	153250	20.497	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	187101	20.570	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	13897	20.904	ug/l		97
82) 4-Chlorotoluene	12.779	91	154601	19.951	ug/l		99
83) tert-Butylbenzene	12.999	119	167512	20.188	ug/l		100
84) 1,2,4-Trimethylbenzene	13.048	105	184202	20.241	ug/l		100
85) sec-Butylbenzene	13.176	105	251350	19.979	ug/l		100
86) p-Isopropyltoluene	13.292	119	207417	20.054	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	99901	20.252	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	100082	20.823	ug/l		98
89) n-Butylbenzene	13.621	91	199786	20.287	ug/l		99
90) Hexachloroethane	13.883	117	41119	20.316	ug/l		100
91) 1,2-Dichlorobenzene	13.663	146	89355	21.085	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5939	20.796	ug/l		94
93) 1,2,4-Trichlorobenzene	14.925	180	46919	20.254	ug/l		99
94) Hexachlorobutadiene	15.023	225	25462	20.124	ug/l		99
95) Naphthalene	15.145	128	93203	20.994	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	41131	20.892	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022493.D
Acq On : 02 Jun 2025 12:32
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:54:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 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

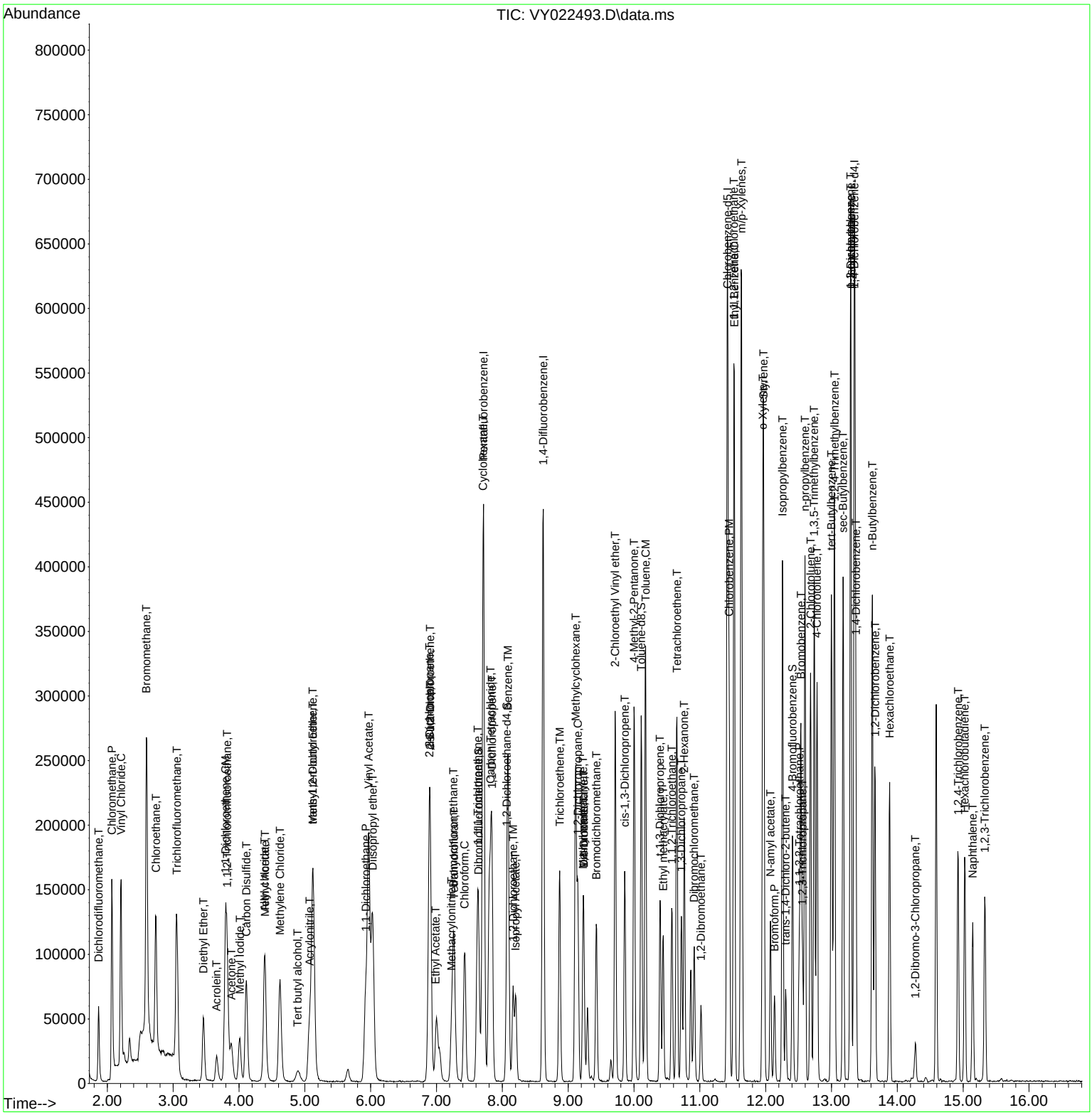
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022493.D
Acq On : 02 Jun 2025 12:32
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

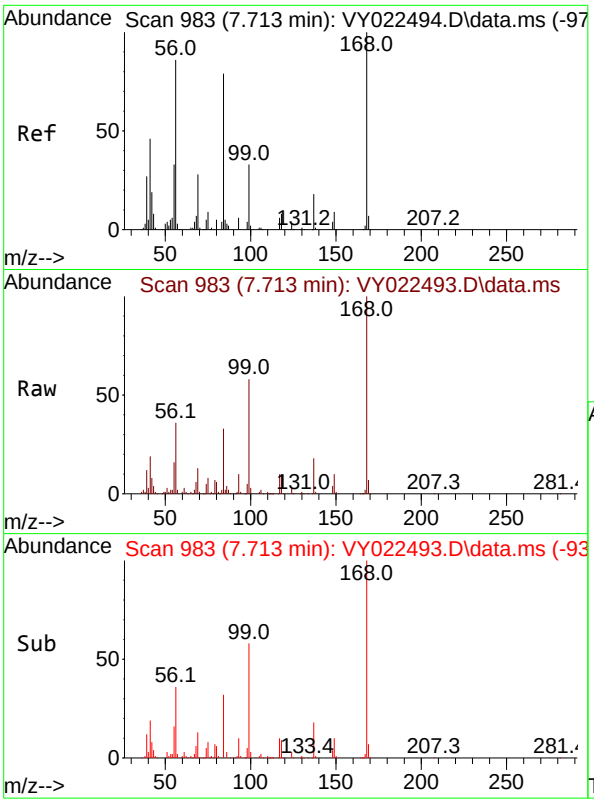
Quant Time: Jun 03 02:54:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

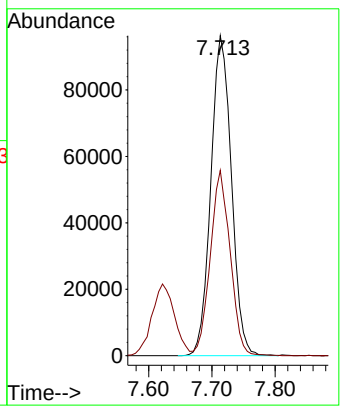




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:168 Resp: 21735

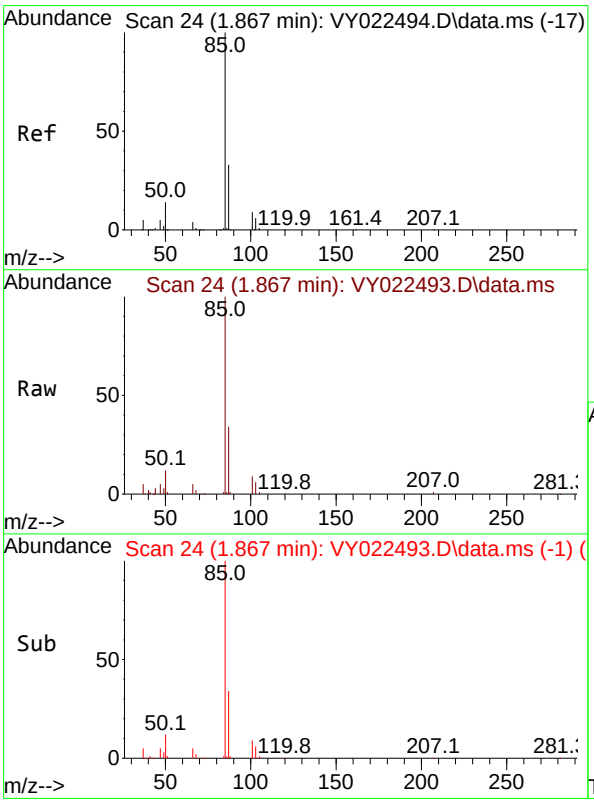
Ion	Ratio	Lower	Upper
168	100		
99	57.8	44.3	66.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

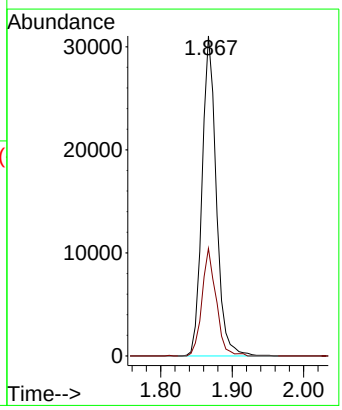
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

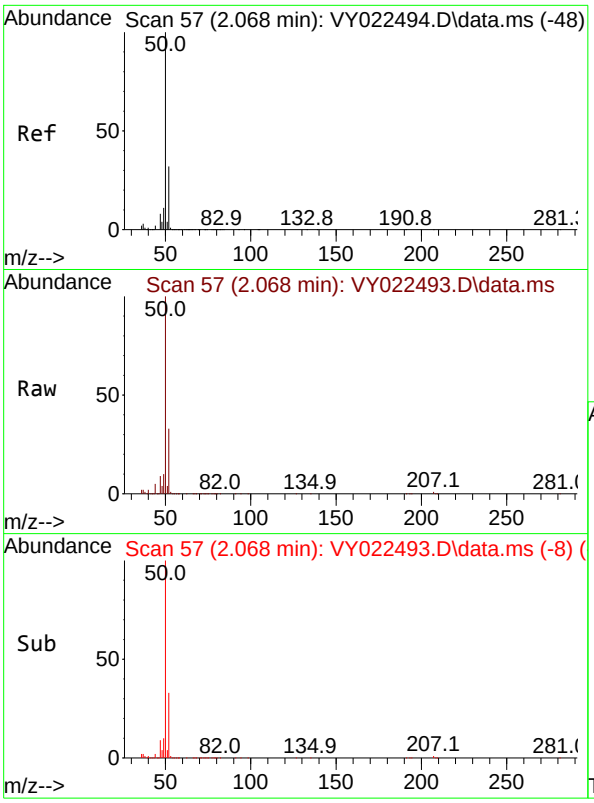


#2
Dichlorodifluoromethane
Concen: 22.669 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 85 Resp: 43056

Ion	Ratio	Lower	Upper
85	100		
87	33.6	16.7	50.0

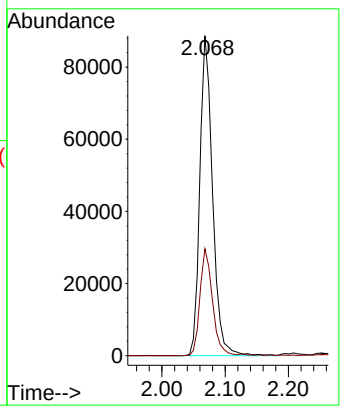




#3
Chloromethane
Concen: 22.209 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 50 Resp: 12444

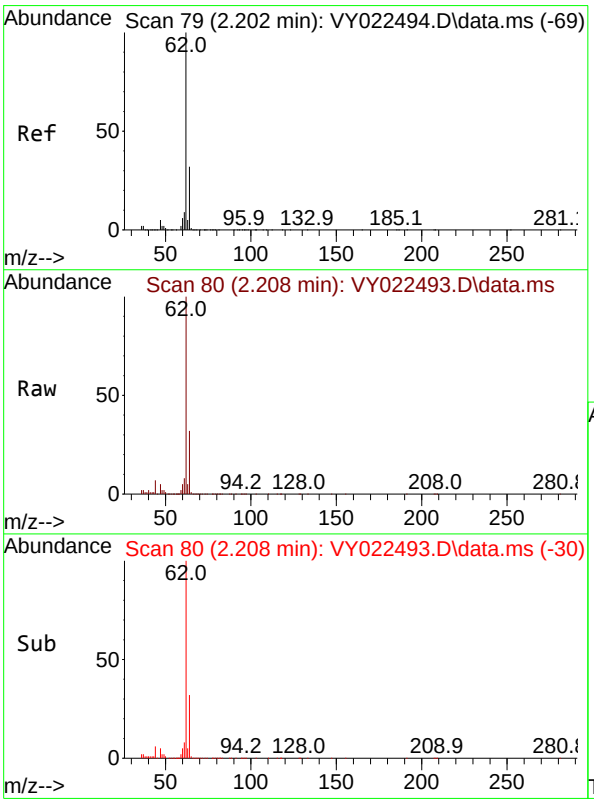
Ion	Ratio	Lower	Upper
50	100		
52	33.4	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

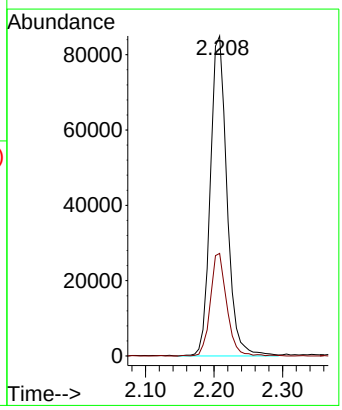
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

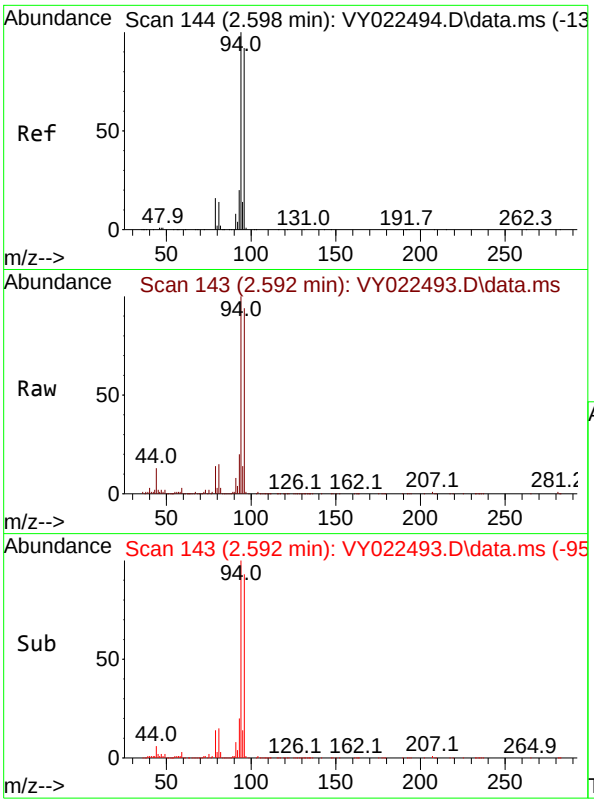


#4
Vinyl Chloride
Concen: 21.833 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 62 Resp: 143182

Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.3	37.9

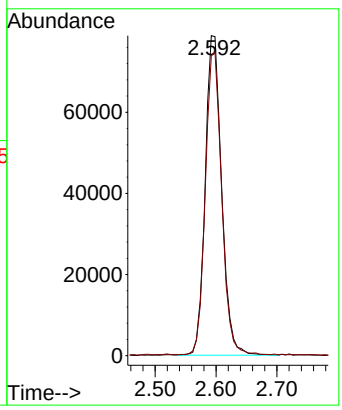




#5
Bromomethane
Concen: 23.891 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 94 Resp: 14820

Ion	Ratio	Lower	Upper
94	100		
96	93.5	74.0	111.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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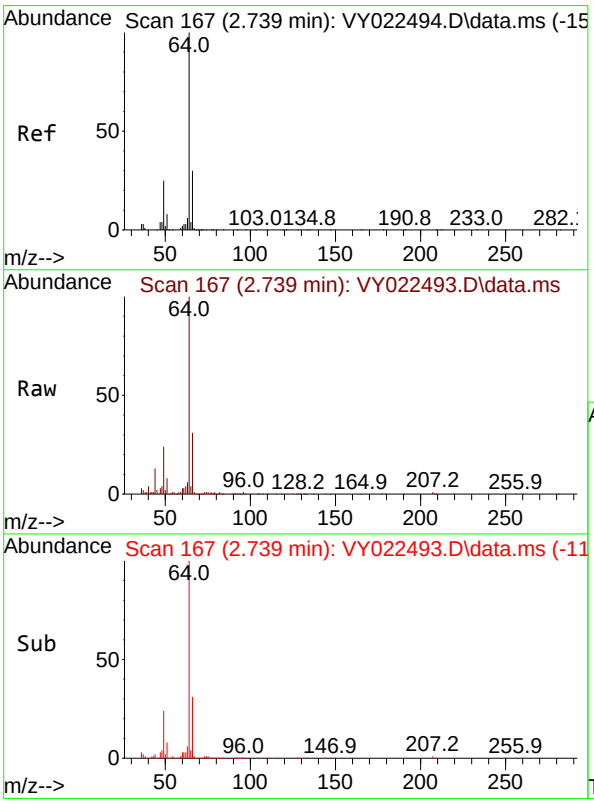
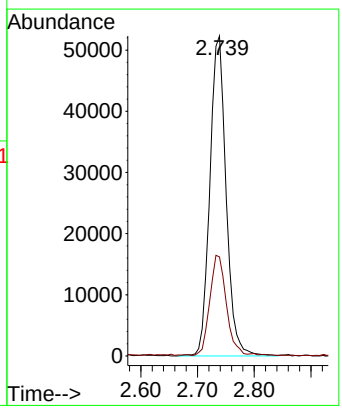
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

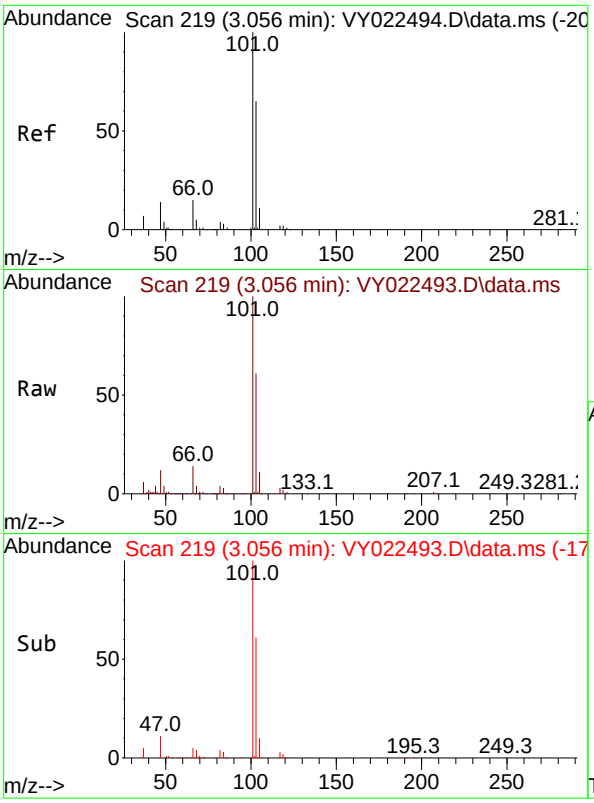


#6
Chloroethane
Concen: 23.188 ug/l
RT: 2.739 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 64 Resp: 104116

Ion	Ratio	Lower	Upper
64	100		
66	30.8	23.8	35.6

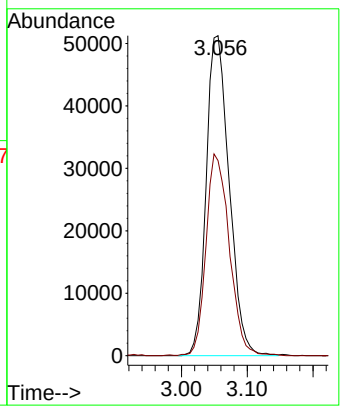




#7
Trichlorofluoromethane
Concen: 22.320 ug/l
RT: 3.056 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:101 Resp: 12437

Ion	Ratio	Lower	Upper
101	100		
103	60.8	52.2	78.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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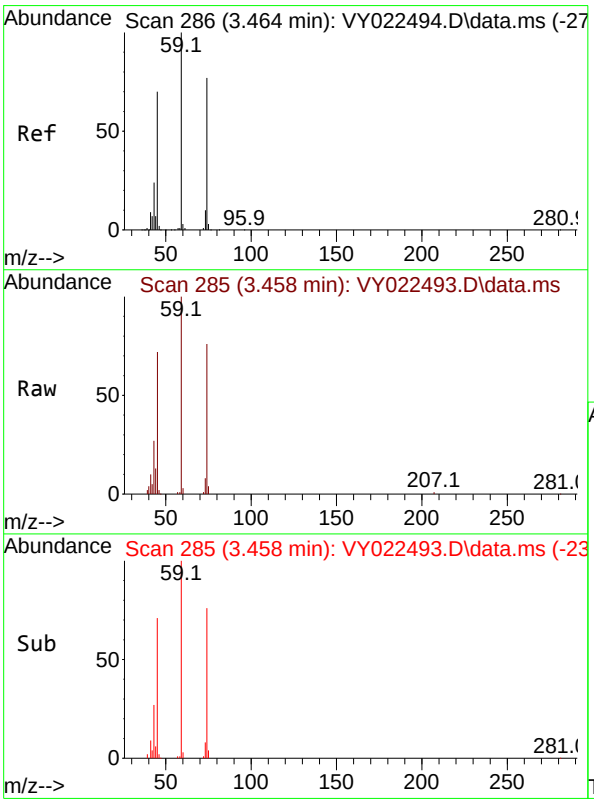
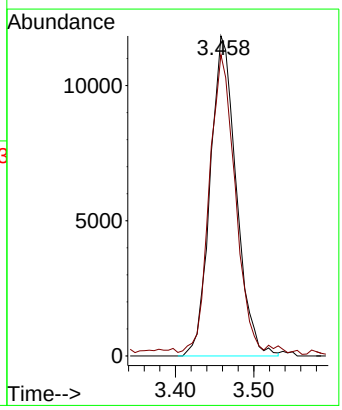
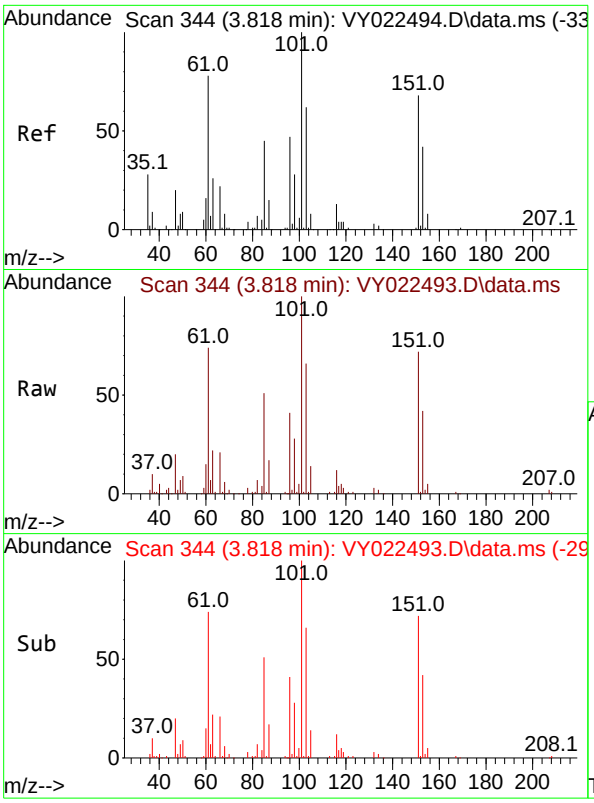


#8
Diethyl Ether
Concen: 22.230 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 74 Resp: 27359

Ion	Ratio	Lower	Upper
74	100		
45	91.2	45.9	137.6

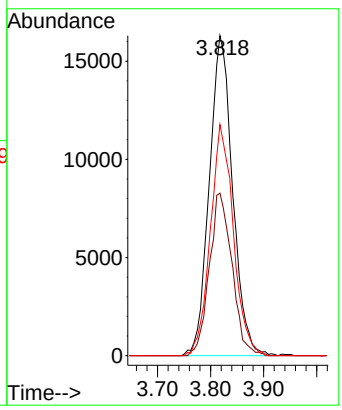




#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.283 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:101 Resp: 4974

Ion	Ratio	Lower	Upper
101	100		
85	49.4	39.3	58.9
151	71.4	57.8	86.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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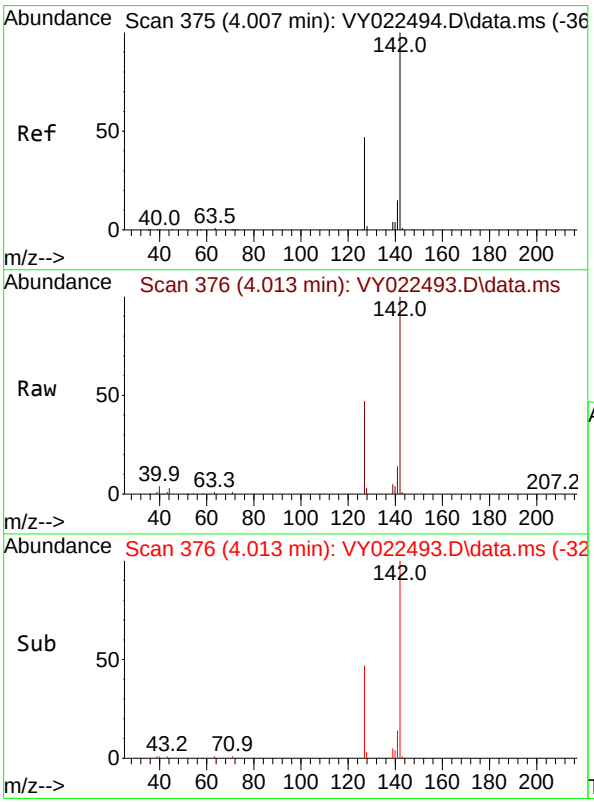
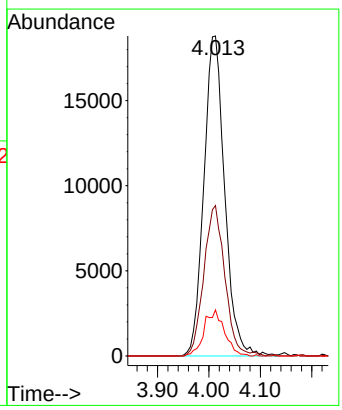
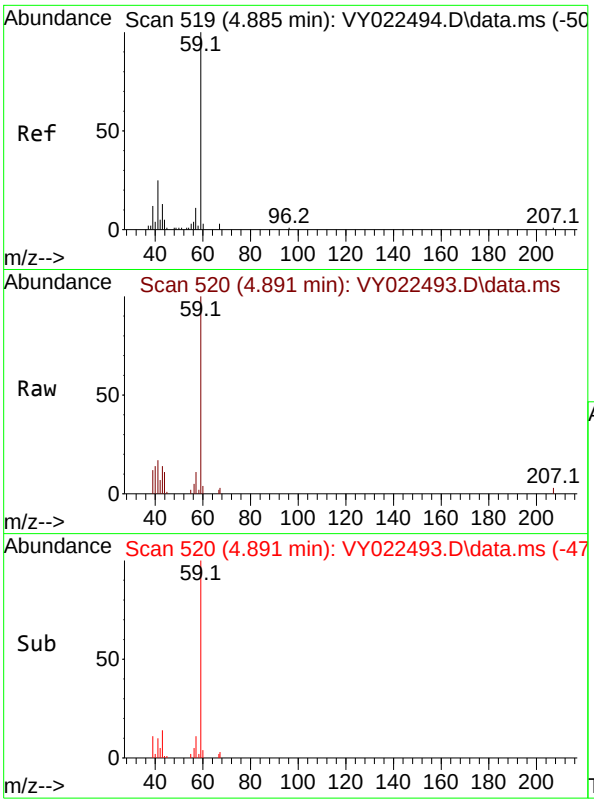


#10
Methyl Iodide
Concen: 21.112 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:142 Resp: 52917

Ion	Ratio	Lower	Upper
142	100		
127	47.5	37.1	55.7
141	14.1	11.4	17.2

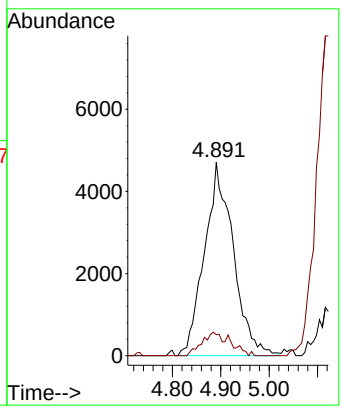




#11
Tert butyl alcohol
Concen: 115.163 ug/l
RT: 4.891 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 59 Resp: 1945

Ion	Ratio	Lower	Upper
59	100		
57	8.6	8.0	12.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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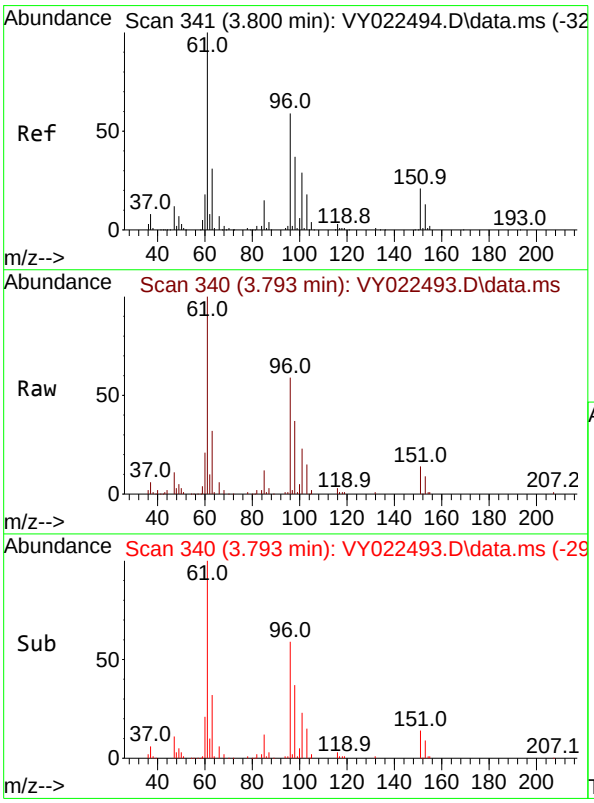
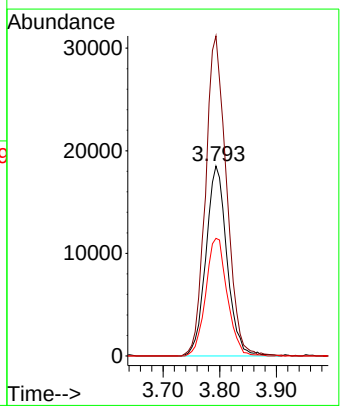
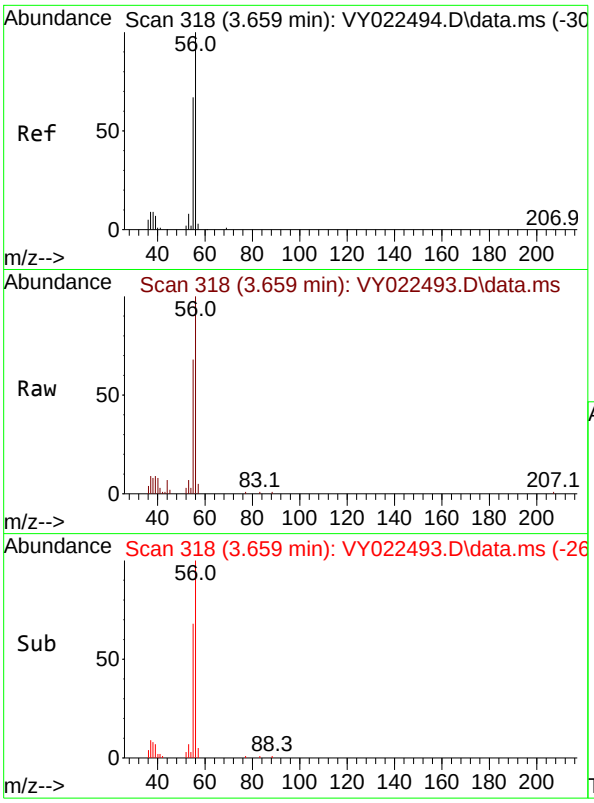


#12
1,1-Dichloroethene
Concen: 21.411 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 96 Resp: 47770

Ion	Ratio	Lower	Upper
96	100		
61	168.5	134.6	201.8
98	61.9	50.2	75.4

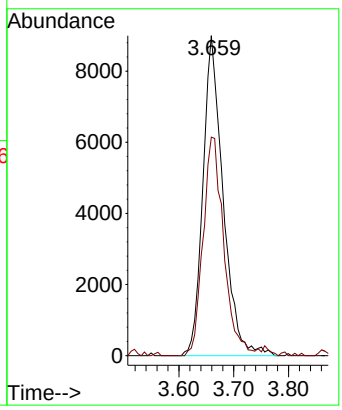




#13
Acrolein
Concen: 111.404 ug/l
RT: 3.659 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 56 Resp: 2297

Ion	Ratio	Lower	Upper
56	100		
55	69.8	57.0	85.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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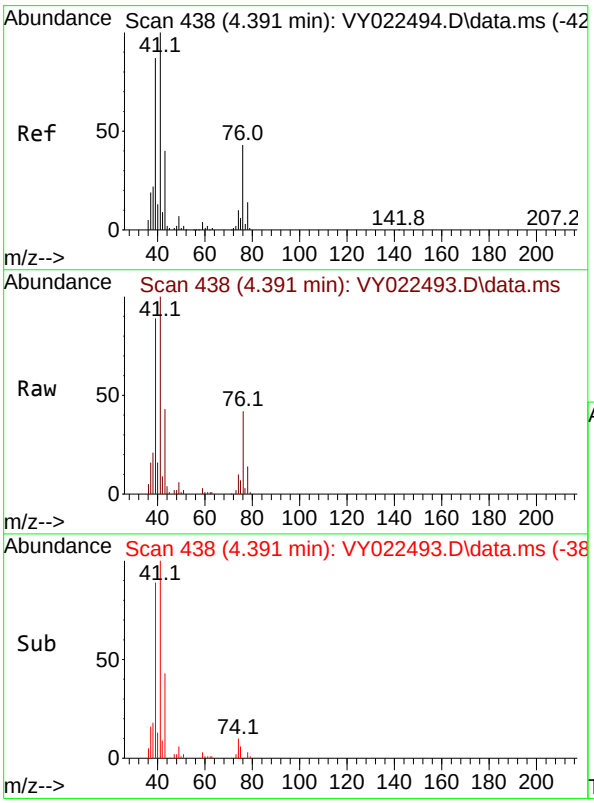
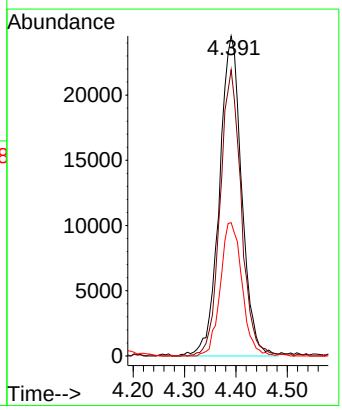
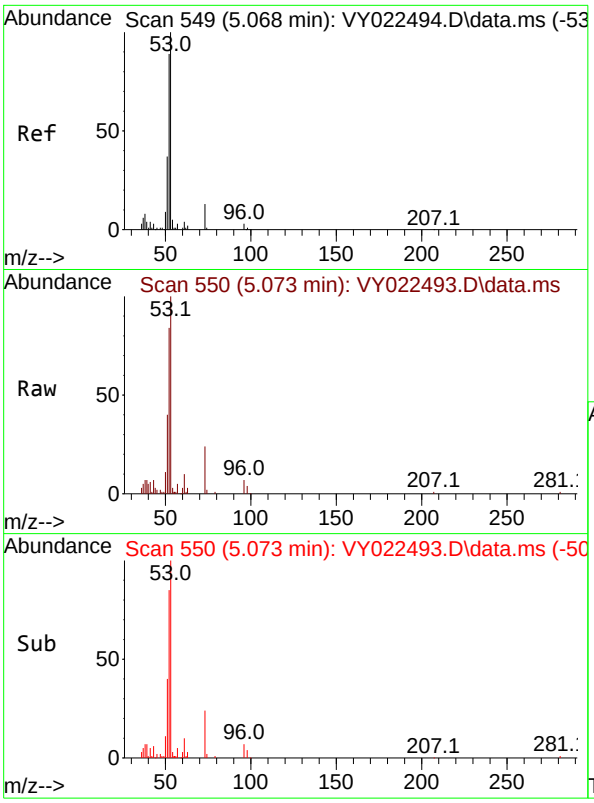


#14
Allyl chloride
Concen: 21.263 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 41 Resp: 73926

Ion	Ratio	Lower	Upper
41	100		
39	84.7	69.1	103.7
76	40.5	33.5	50.3

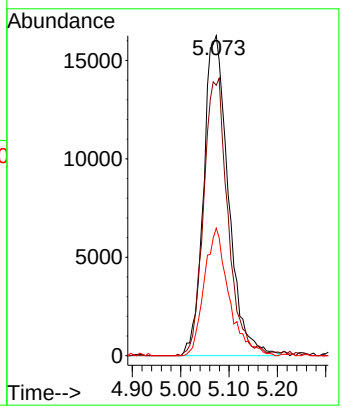




#15
Acrylonitrile
Concen: 110.420 ug/l
RT: 5.073 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 53 Resp: 5780

Ion	Ratio	Lower	Upper
53	100		
52	84.1	65.7	98.5
51	39.8	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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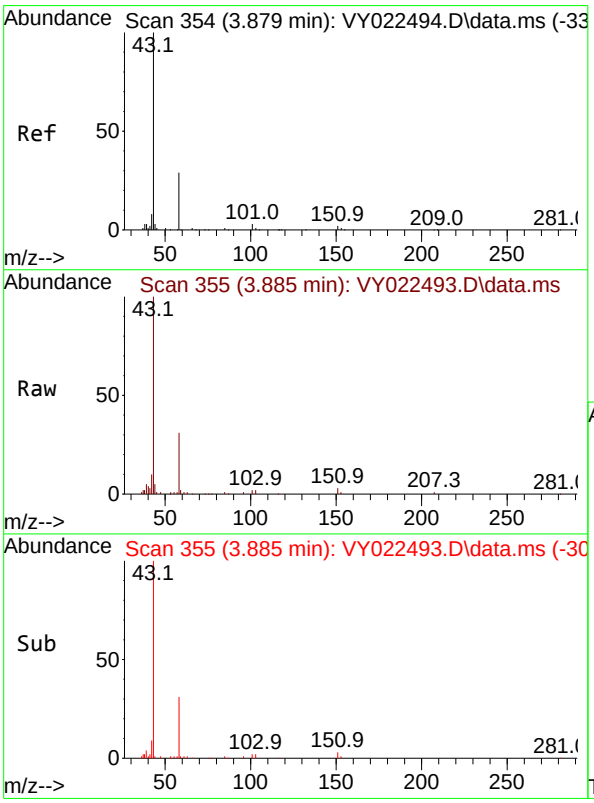
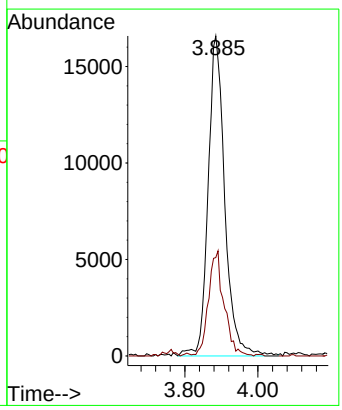
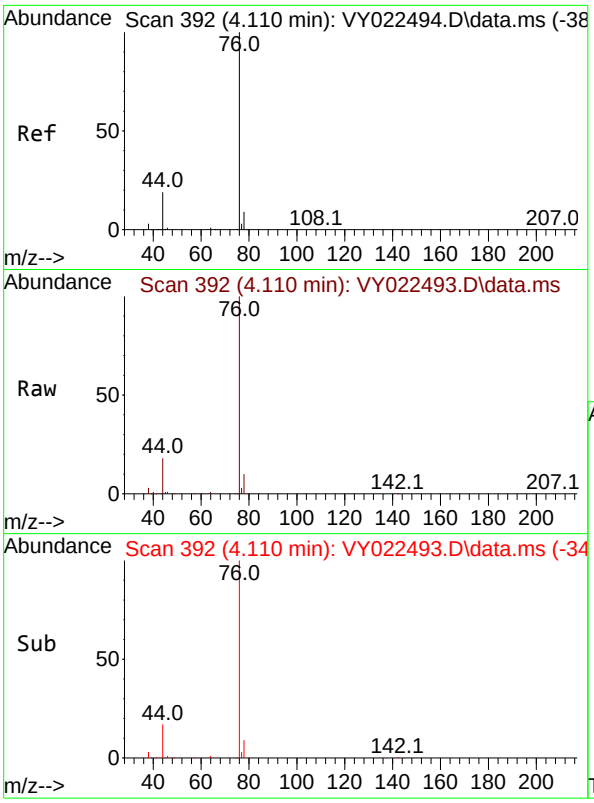


#16
Acetone
Concen: 111.925 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 43 Resp: 52330

Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.0	36.0





#17
Carbon Disulfide
Concen: 21.130 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 76 Resp: 15051

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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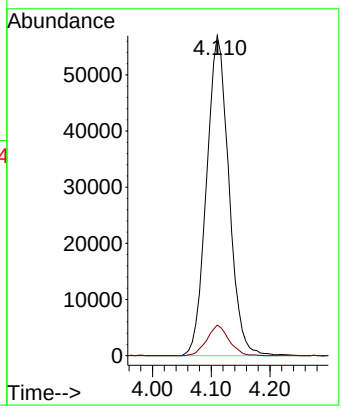
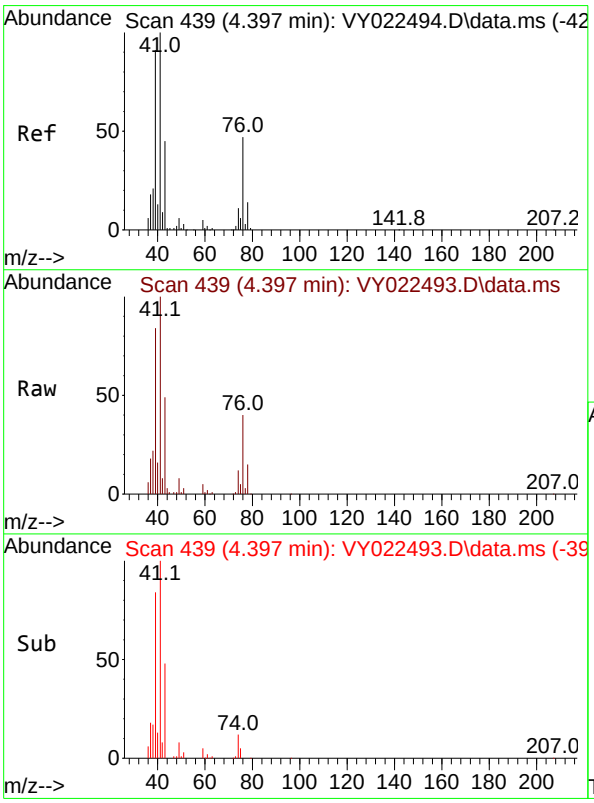
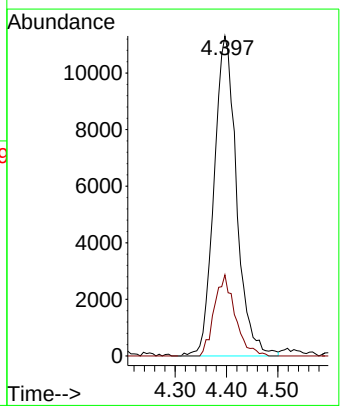


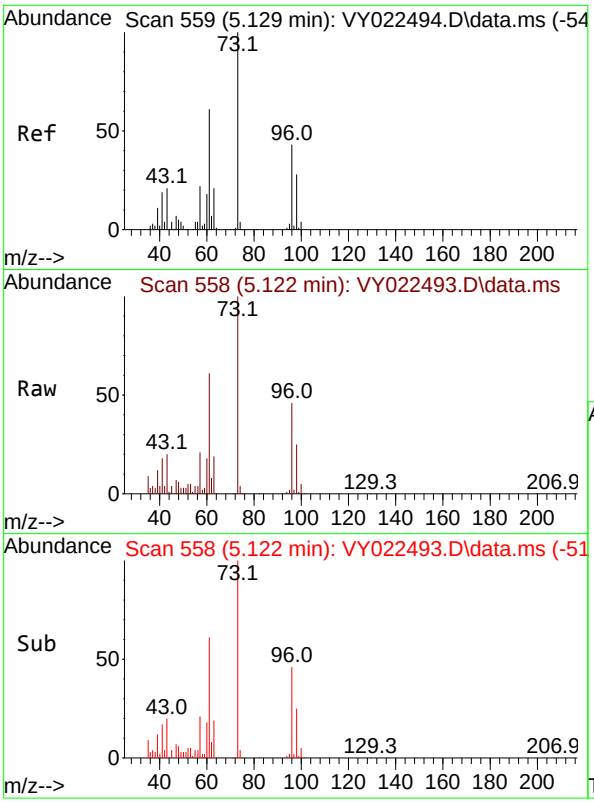


#18
Methyl Acetate
Concen: 24.470 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 43 Resp: 34419

Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.8	29.6

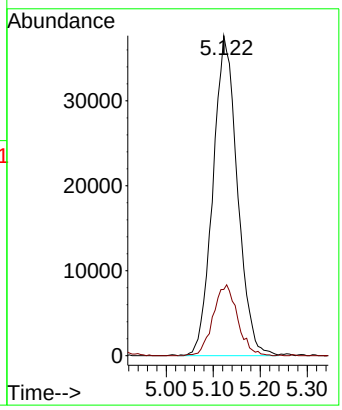




#19
Methyl tert-butyl Ether
Concen: 21.935 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 73 Resp: 13654

Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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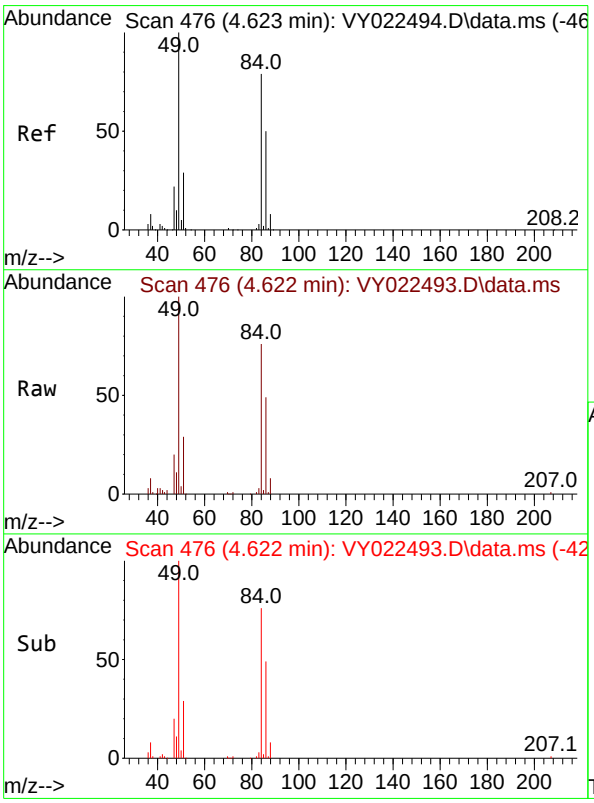
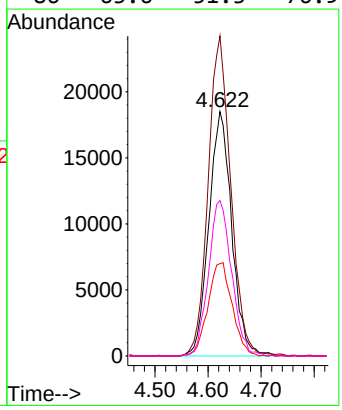
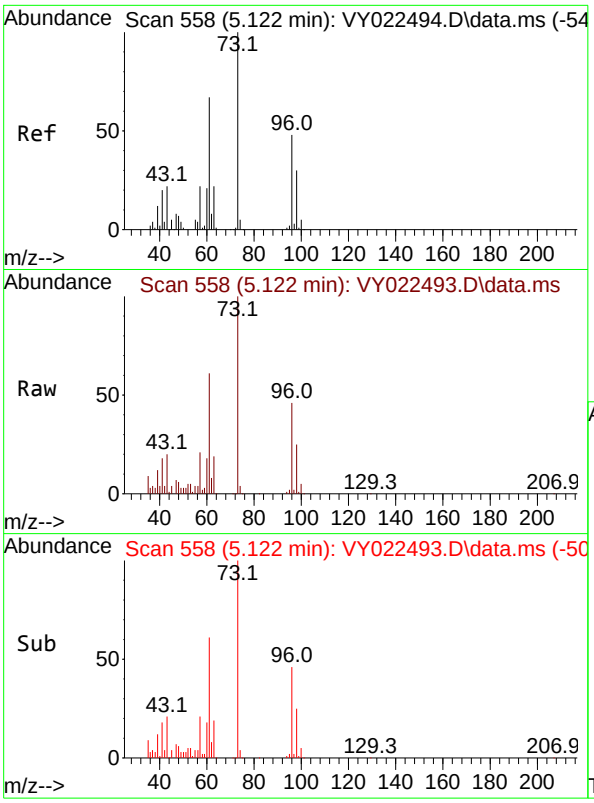


#20
Methylene Chloride
Concen: 21.222 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 84 Resp: 55399

Ion	Ratio	Lower	Upper
84	100		
49	131.0	101.9	152.9
51	37.8	29.8	44.8
86	63.6	51.3	76.9

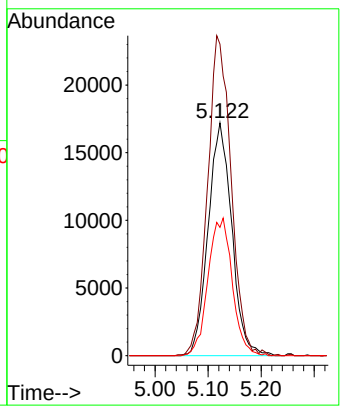




#21
trans-1,2-Dichloroethene
Concen: 21.342 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 96 Resp: 5319

Ion	Ratio	Lower	Upper
96	100		
61	133.3	112.6	169.0
98	55.1	50.6	75.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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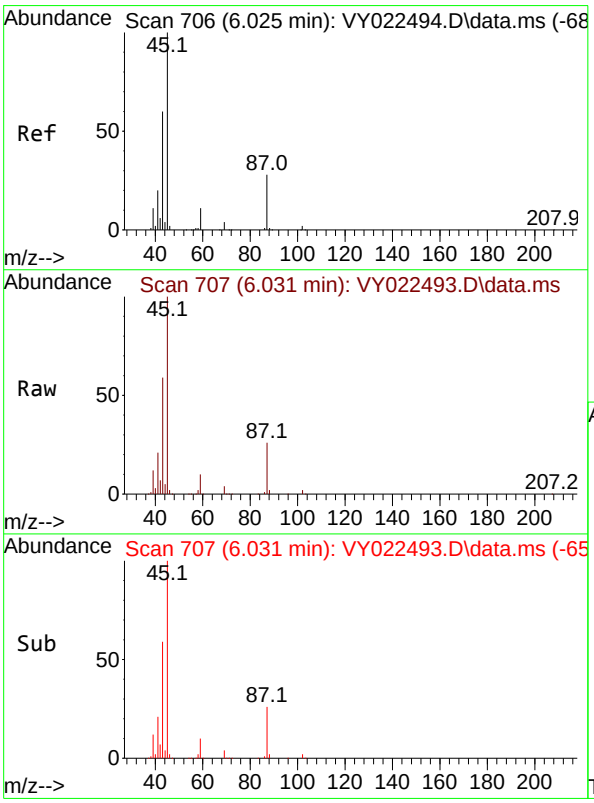
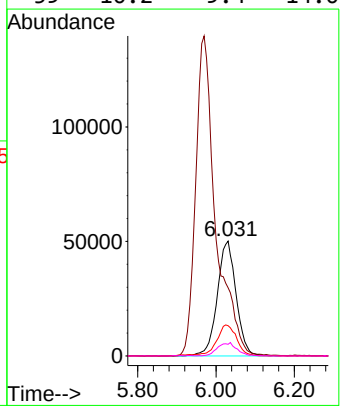
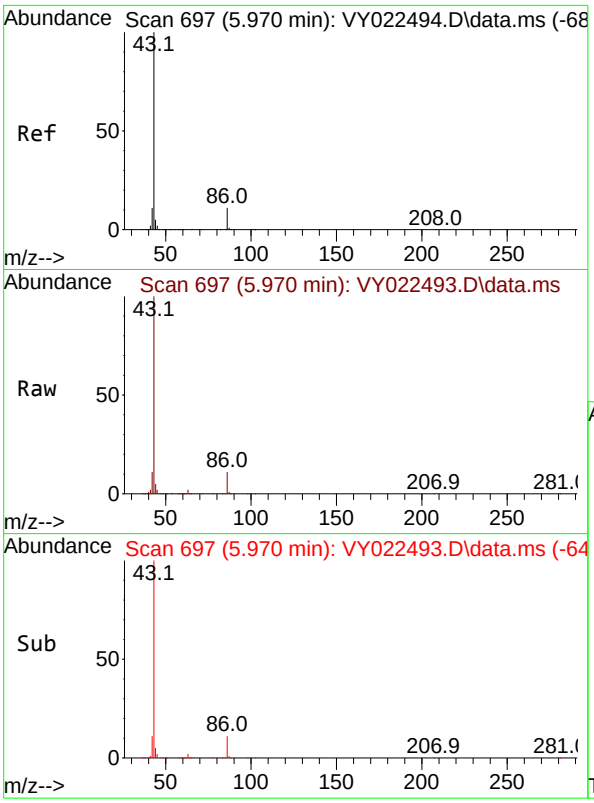


#22
Diisopropyl ether
Concen: 21.739 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 45 Resp: 168064

Ion	Ratio	Lower	Upper
45	100		
43	59.0	48.3	72.5
87	26.3	23.0	34.6
59	10.2	9.4	14.0





#23
Vinyl Acetate
Concen: 108.569 ug/l
RT: 5.970 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 43 Resp: 49793

Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.6	12.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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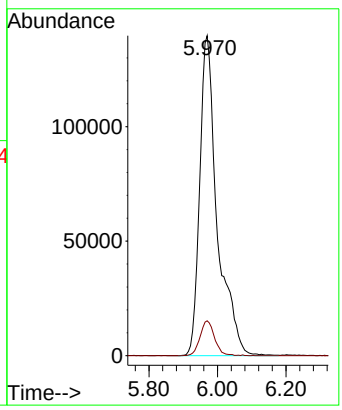
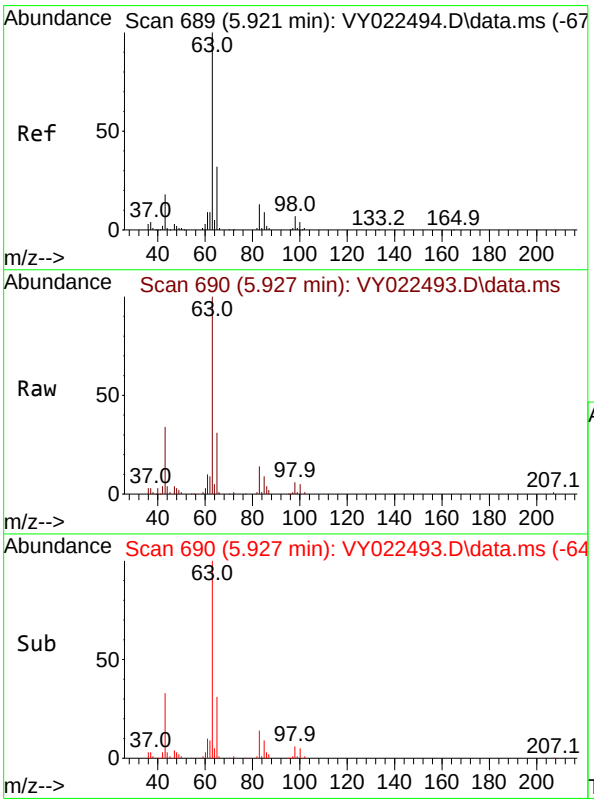
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

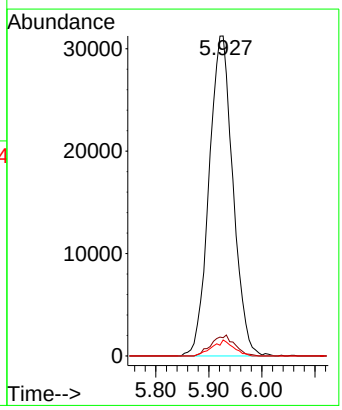


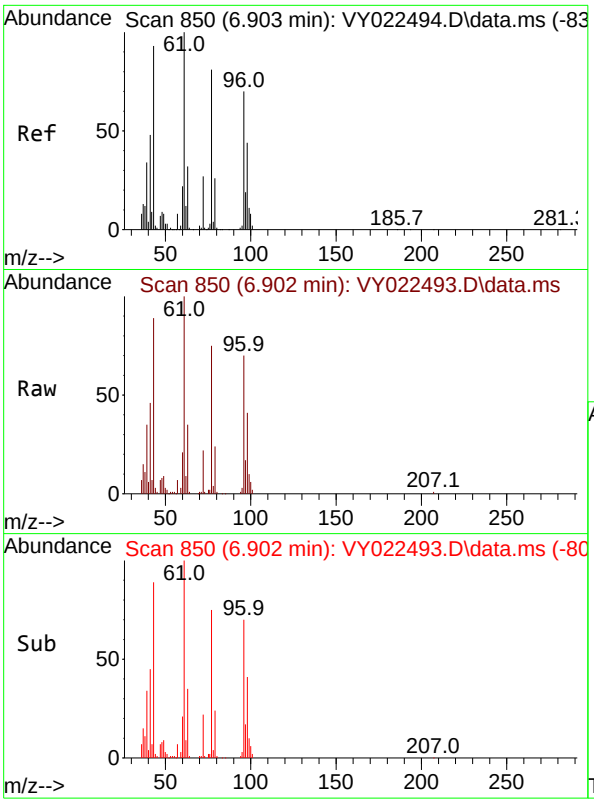


#24
1,1-Dichloroethane
Concen: 21.392 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 63 Resp: 97760

Ion	Ratio	Lower	Upper
63	100		
98	5.7	3.4	10.1
100	5.0	2.1	6.3

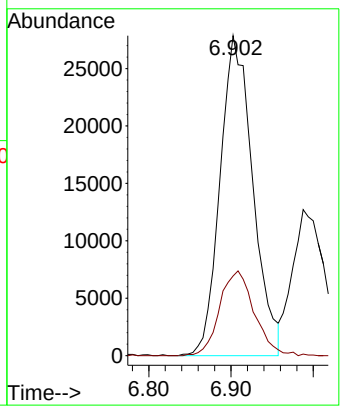




#25
2-Butanone
Concen: 112.124 ug/l
RT: 6.902 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 43 Resp: 7732

Ion	Ratio	Lower	Upper
43	100		
72	24.9	22.9	34.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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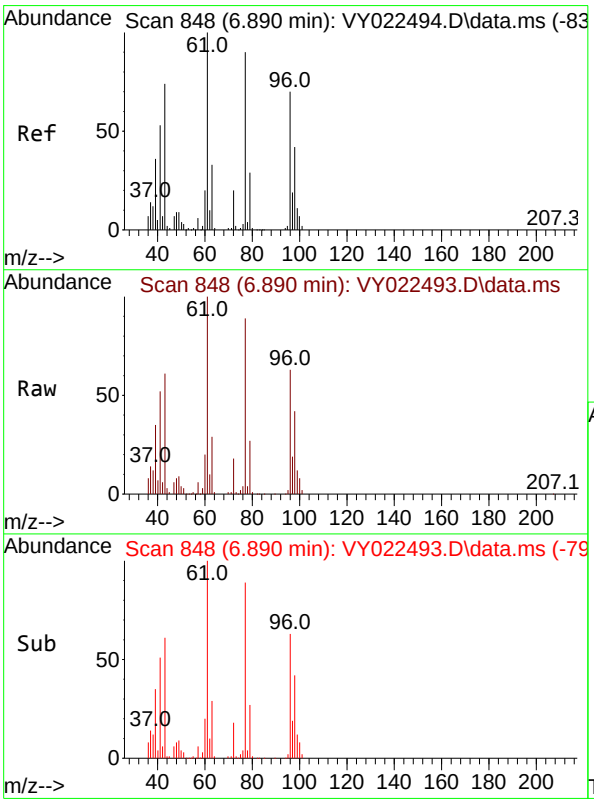
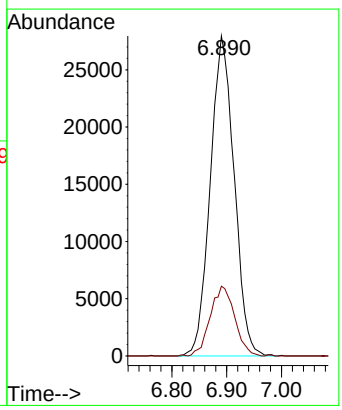
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

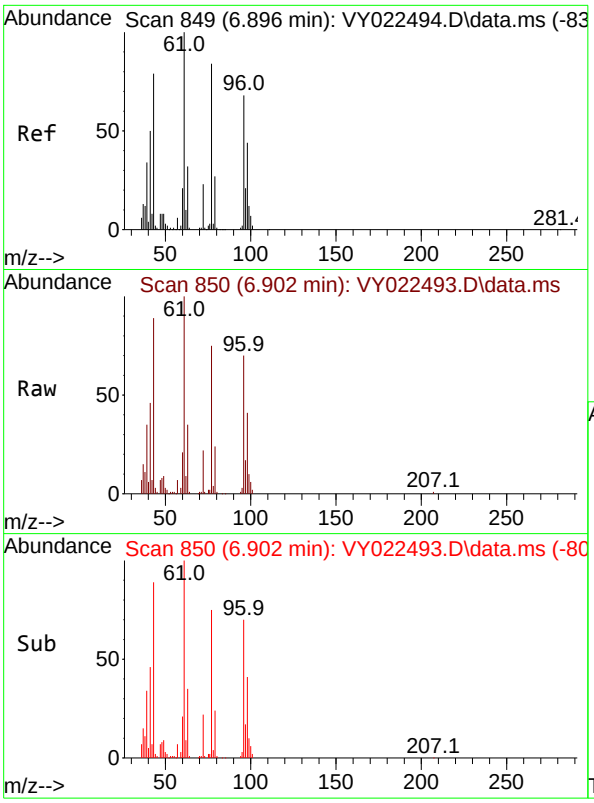


#26
2,2-Dichloropropane
Concen: 20.811 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 77 Resp: 84543

Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.4	34.2

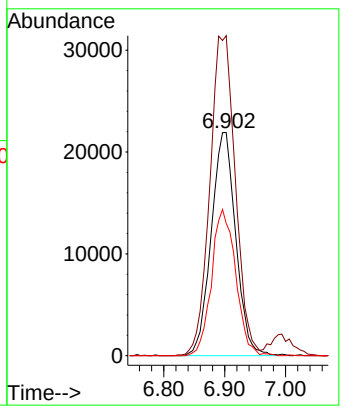




#27
cis-1,2-Dichloroethene
Concen: 21.300 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 96 Resp: 6136

Ion	Ratio	Lower	Upper
96	100		
61	149.0	0.0	290.0
98	64.4	0.0	128.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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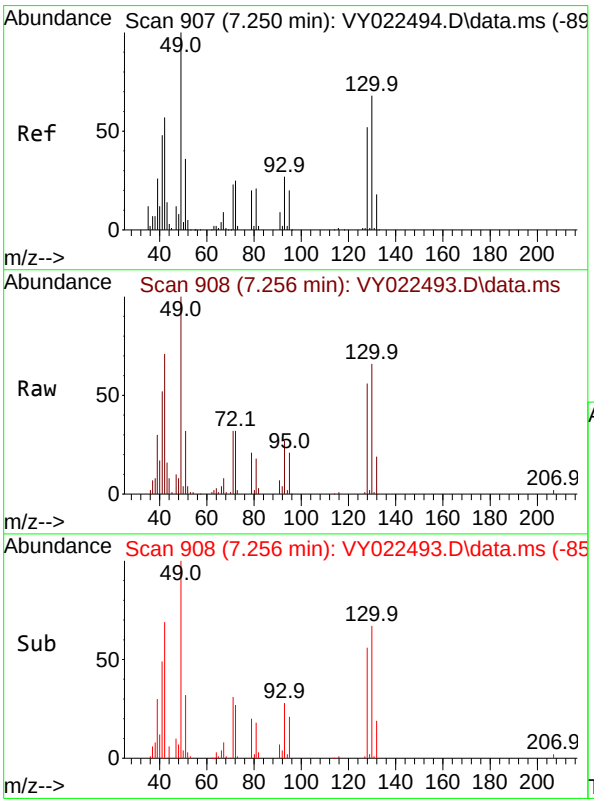
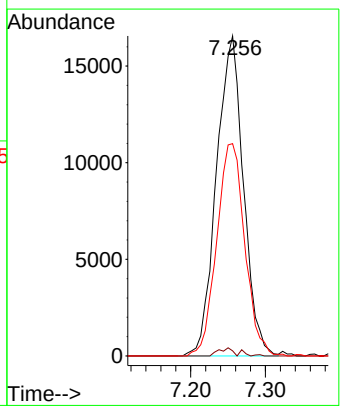
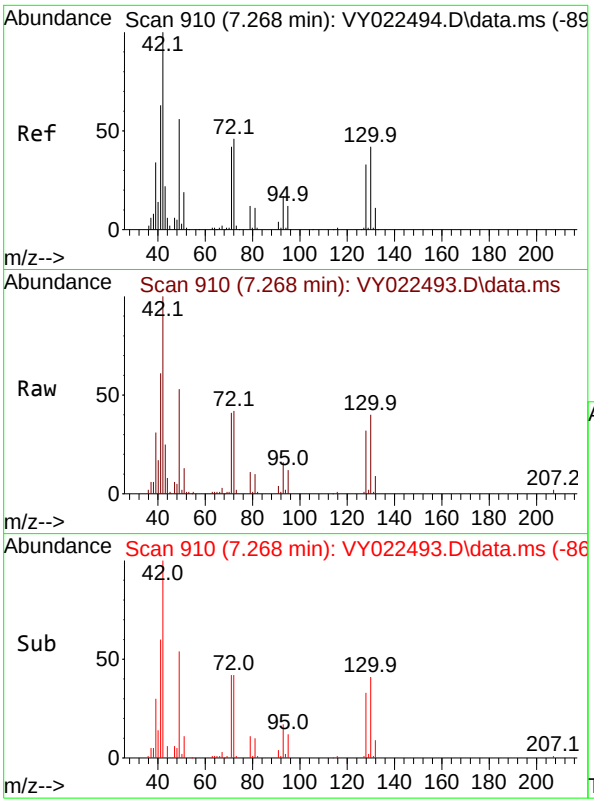


#28
Bromochloromethane
Concen: 21.085 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 49 Resp: 41634

Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.6
130	69.0	55.7	83.5





#29
Tetrahydrofuran
Concen: 111.296 ug/l
RT: 7.268 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 42 Resp: 4951

Ion	Ratio	Lower	Upper
42	100		
72	47.6	37.4	56.2
71	43.6	34.2	51.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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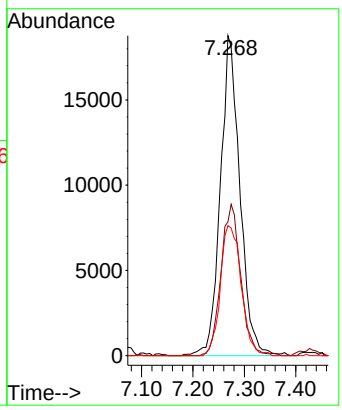
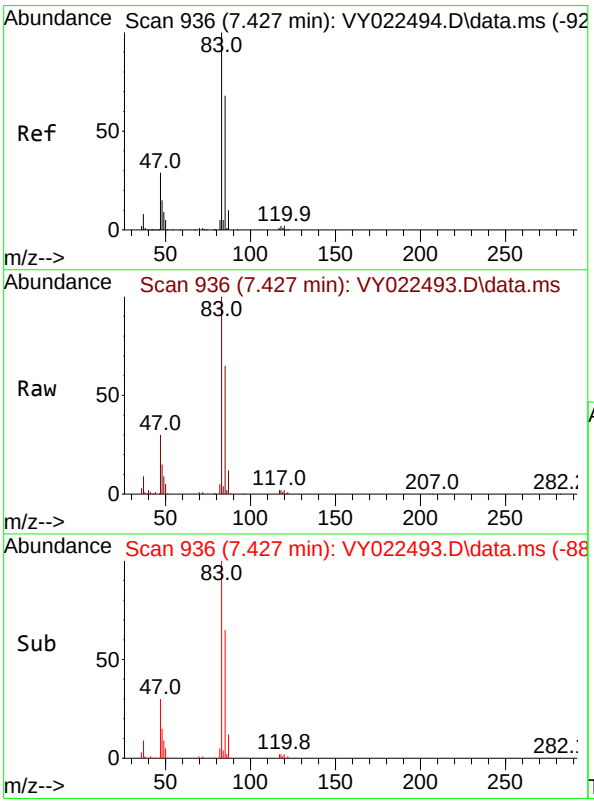
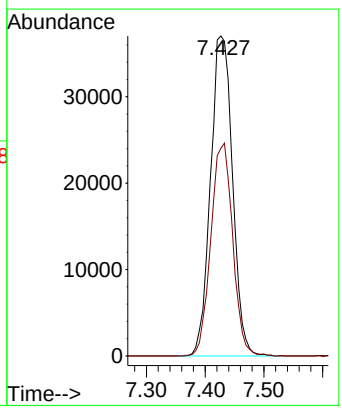


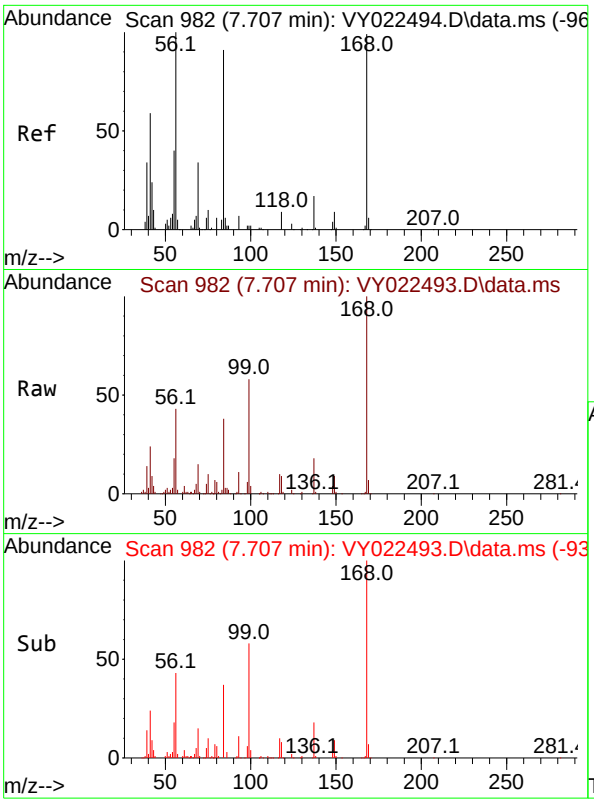


#30
Chloroform
Concen: 21.350 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 83 Resp: 96414

Ion	Ratio	Lower	Upper
83	100		
85	64.9	54.2	81.4





#31
Cyclohexane
Concen: 20.762 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 56 Resp: 9548

Ion	Ratio	Lower	Upper
56	100		
69	34.3	27.0	40.6
84	87.0	72.6	109.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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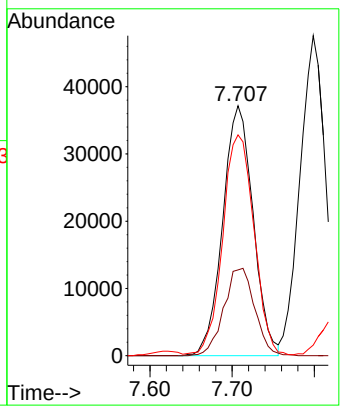
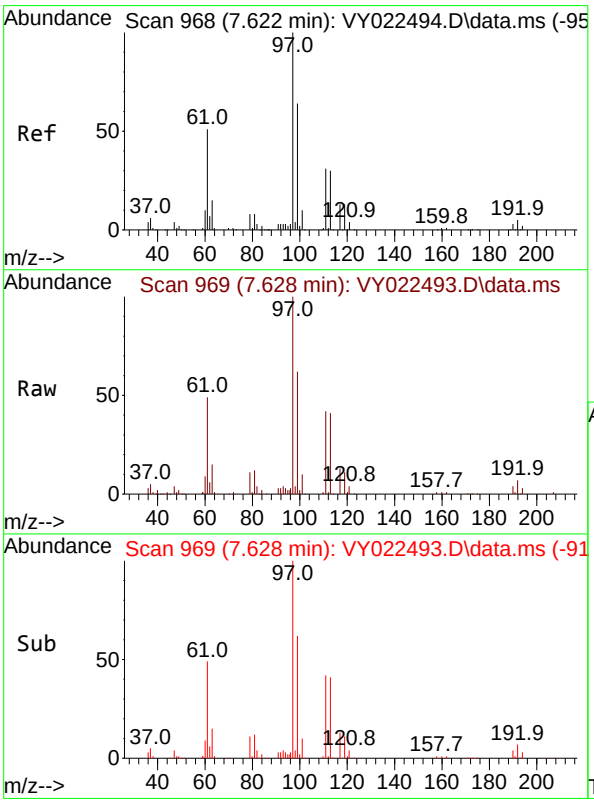
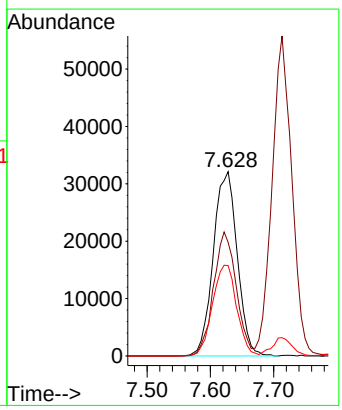


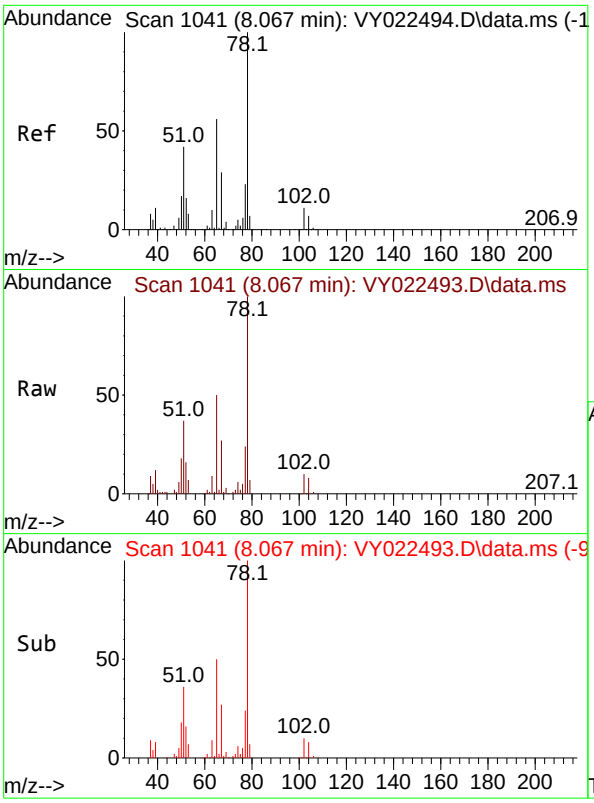


#32
1,1,1-Trichloroethane
Concen: 20.905 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 97 Resp: 84365

Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.9	76.3
61	49.7	38.5	57.7

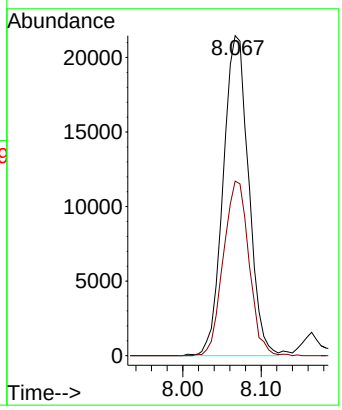




#33
1,2-Dichloroethane-d4
Concen: 20.457 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 65 Resp: 4838

Ion	Ratio	Lower	Upper
65	100		
67	55.1	0.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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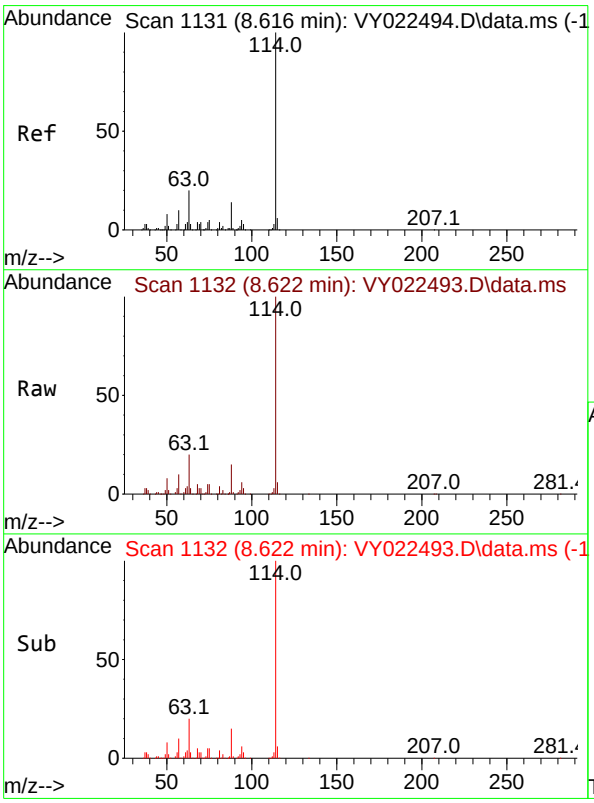
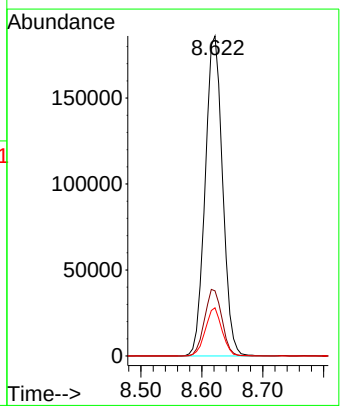
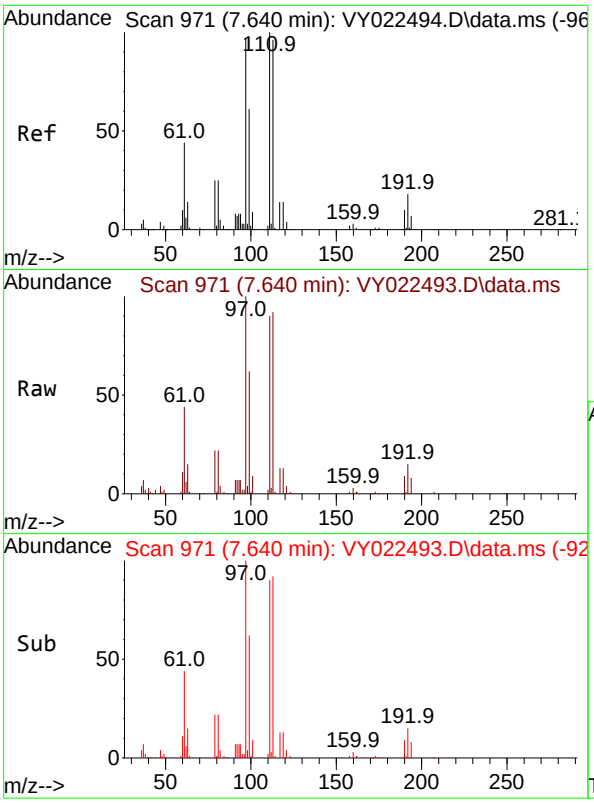


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:114 Resp: 369398

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	15.0	0.0	27.8





#35
Dibromofluoromethane
Concen: 20.456 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:113 Resp: 4448

Ion	Ratio	Lower	Upper
113	100		
111	100.5	81.1	121.7
192	17.8	14.2	21.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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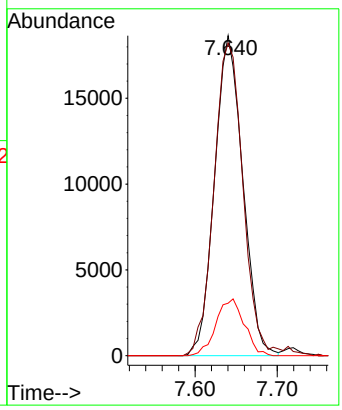
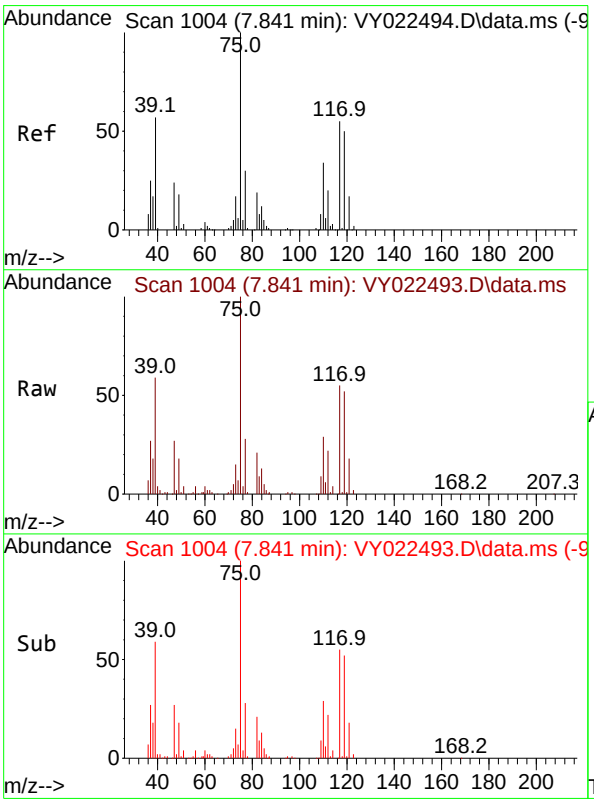
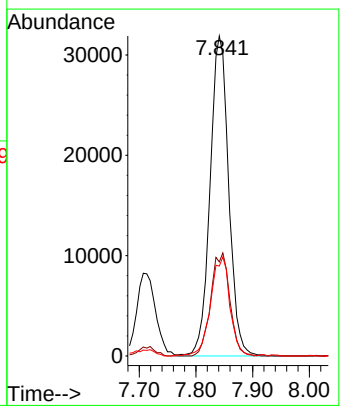


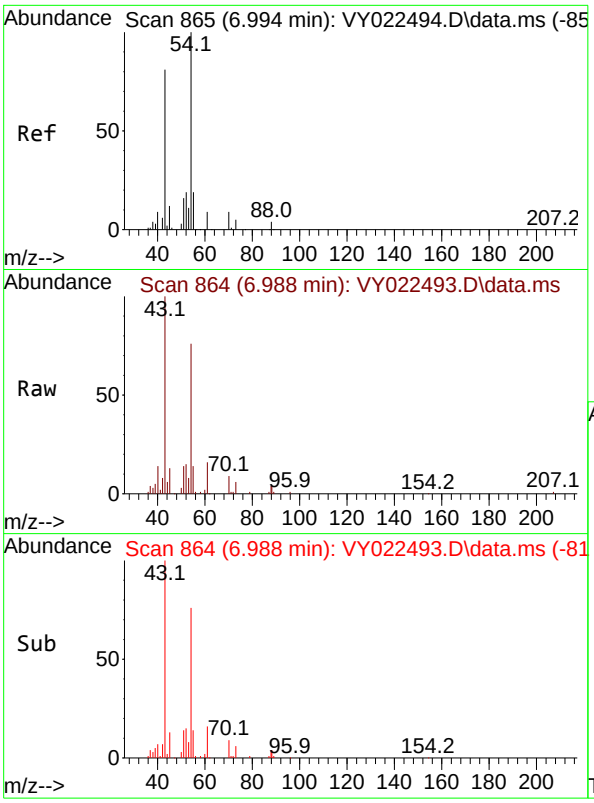


#36
1,1-Dichloropropene
Concen: 20.670 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 75 Resp: 72658

Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.9	50.7
77	32.2	24.8	37.2





#37
Ethyl Acetate
Concen: 22.110 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 43 Resp: 3420

Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.5	17.3
70	8.9	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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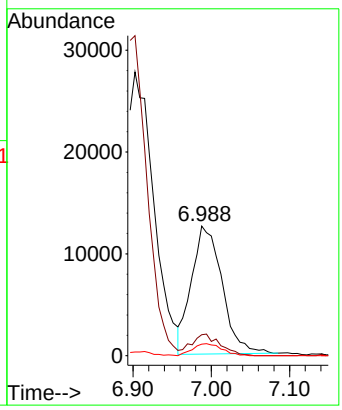
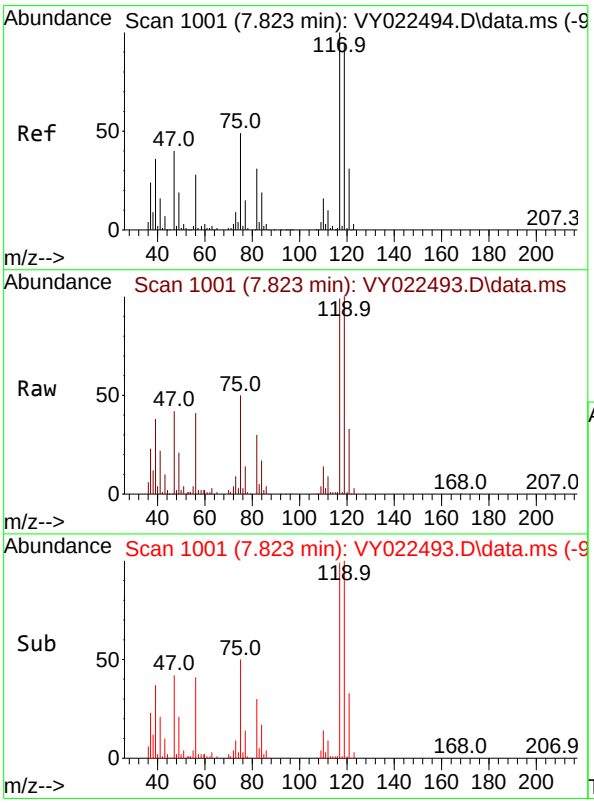
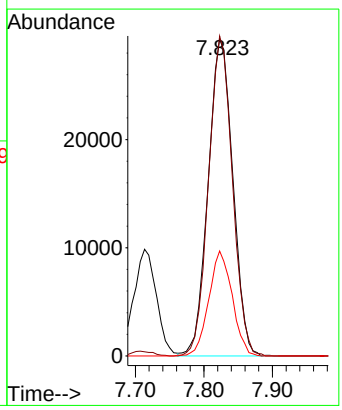


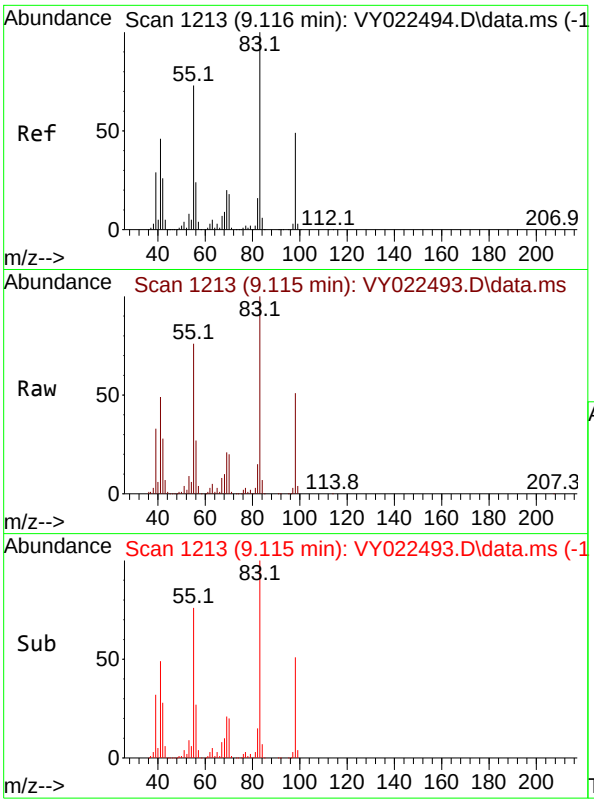


#38
Carbon Tetrachloride
Concen: 20.247 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:117 Resp: 73370

Ion	Ratio	Lower	Upper
117	100		
119	101.1	75.0	112.6
121	33.2	25.0	37.4





#39
Methylcyclohexane
Concen: 20.065 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 83 Resp: 9528

Ion	Ratio	Lower	Upper
83	100		
55	75.5	58.1	87.1
98	51.1	39.0	58.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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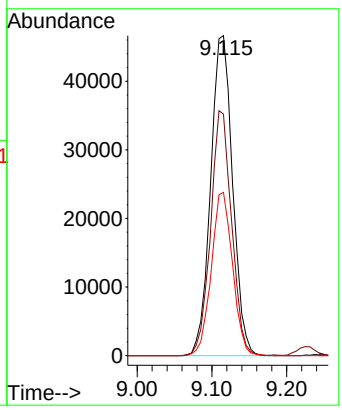
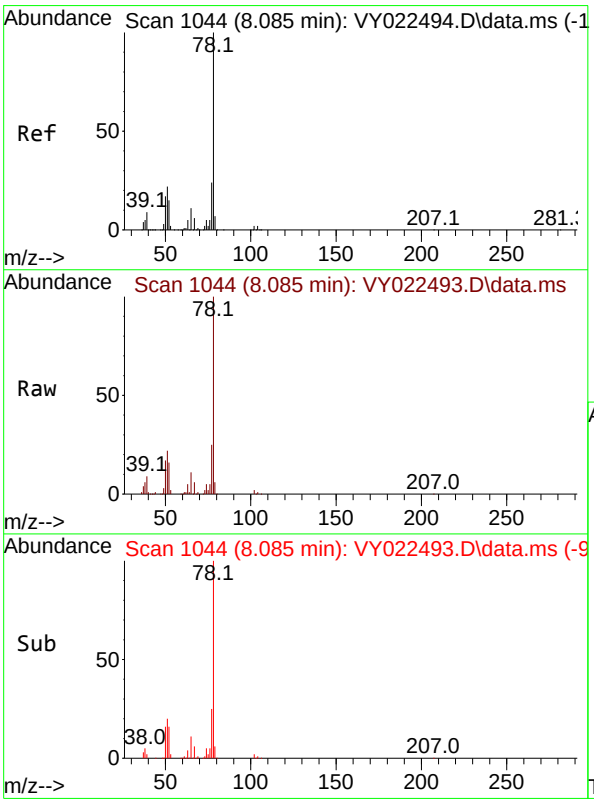
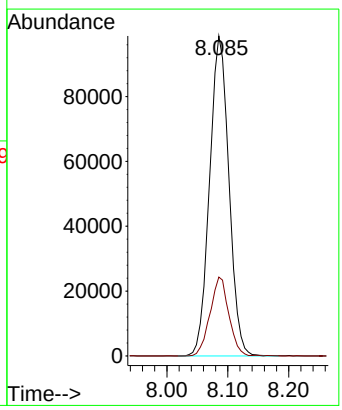


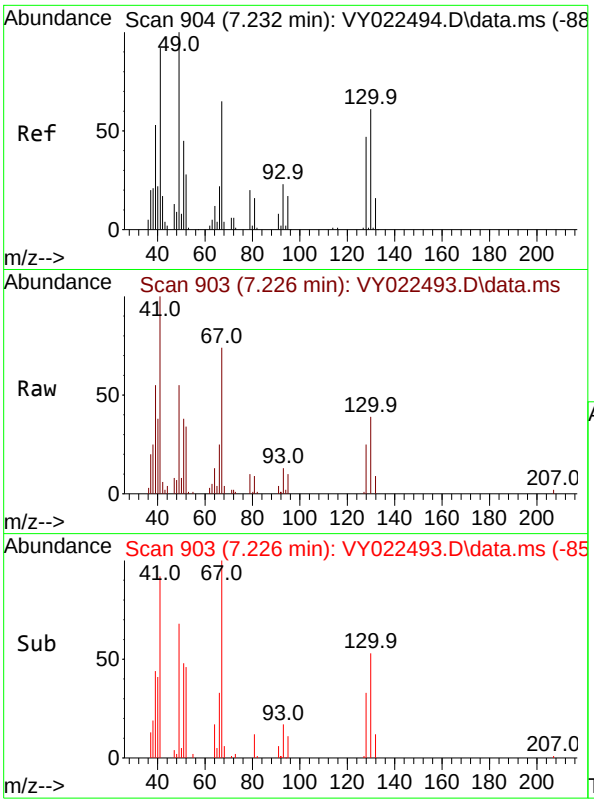


#40
Benzene
Concen: 21.000 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 78 Resp: 217595

Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.3	28.9

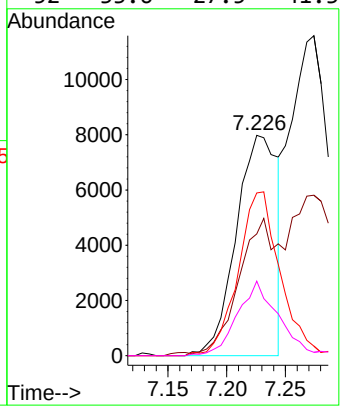




#41
Methacrylonitrile
Concen: 19.542 ug/l
RT: 7.226 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 41 Resp: 1947

Ion	Ratio	Lower	Upper
41	100		
39	64.4	46.6	69.8
67	76.2	63.3	94.9
52	33.6	27.5	41.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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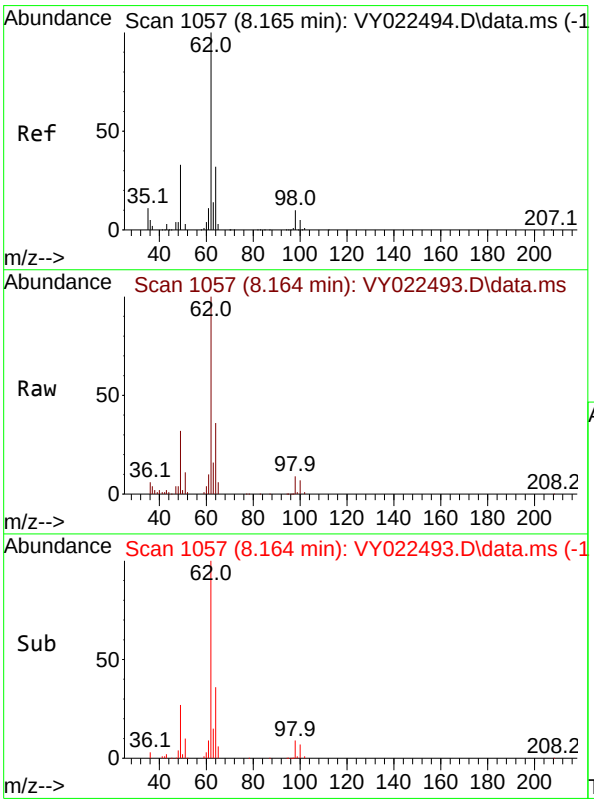
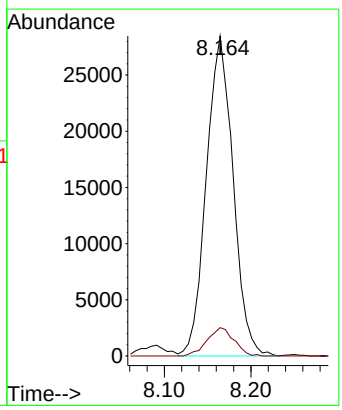
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

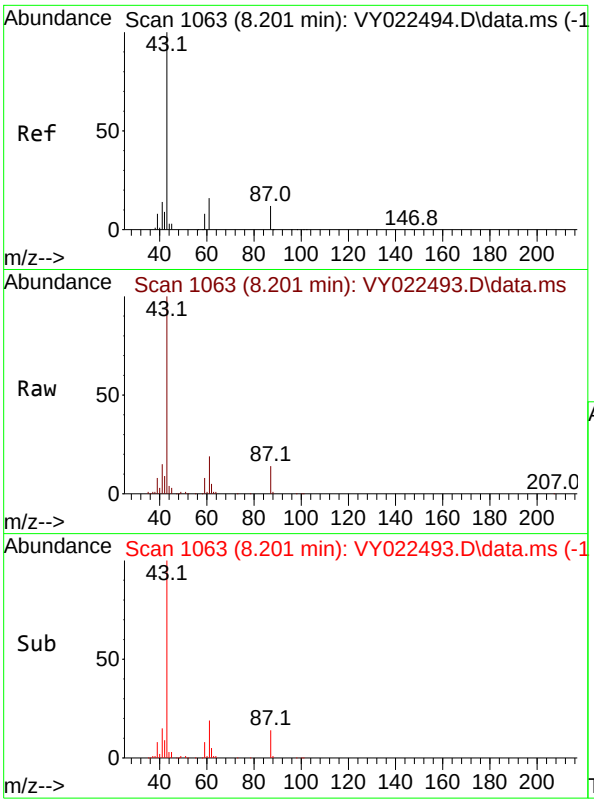


#42
1,2-Dichloroethane
Concen: 21.676 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 62 Resp: 61097

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	19.2





#43
Isopropyl Acetate
Concen: 21.814 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 43 Resp: 7374

Ion	Ratio	Lower	Upper
43	100		
61	21.6	15.6	23.4
87	13.1	10.2	15.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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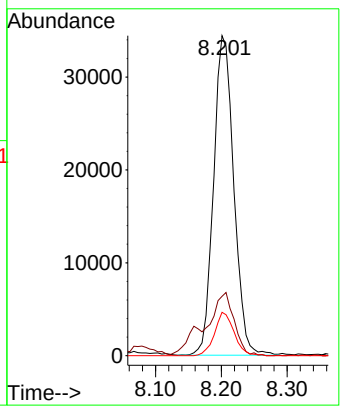
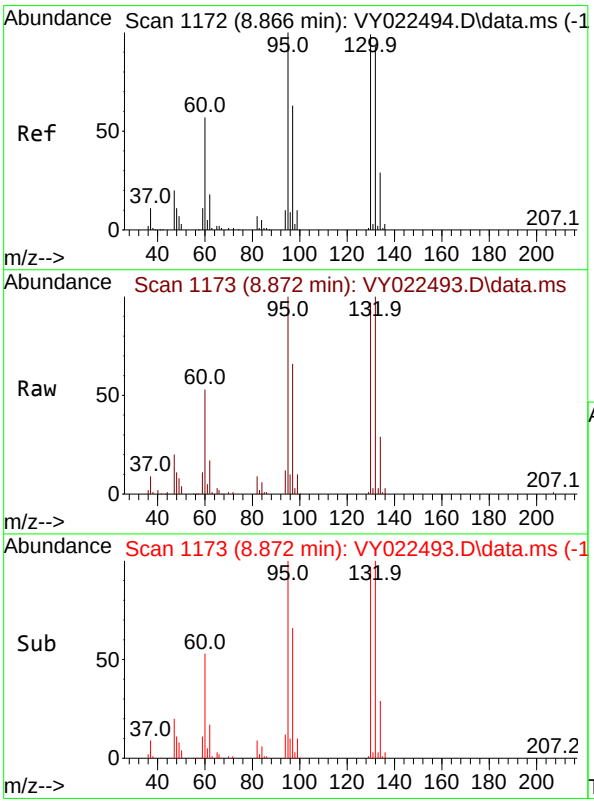
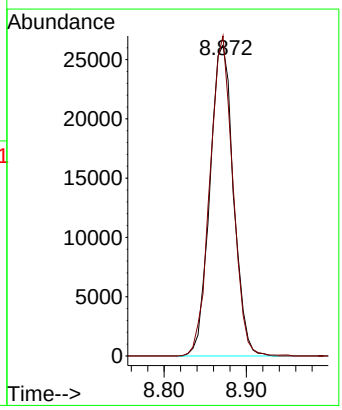


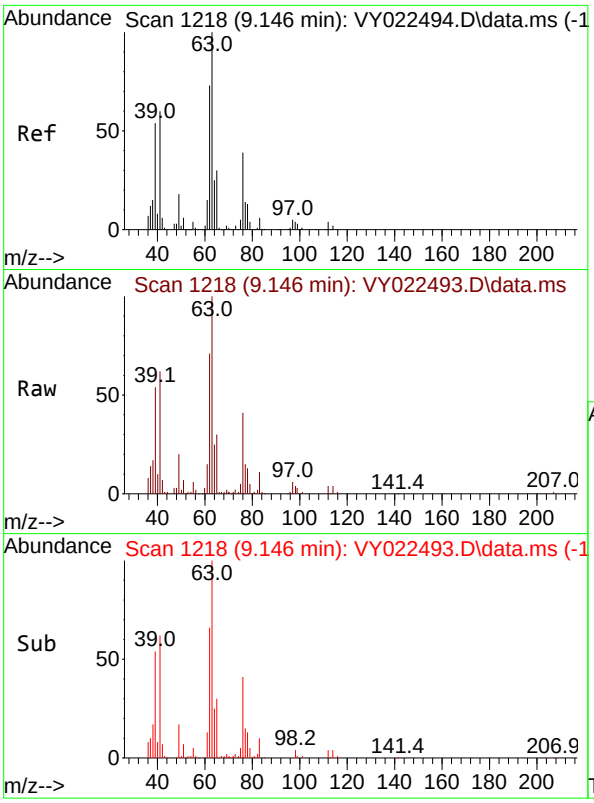


#44
Trichloroethene
Concen: 20.613 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:130 Resp: 52175

Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	203.0

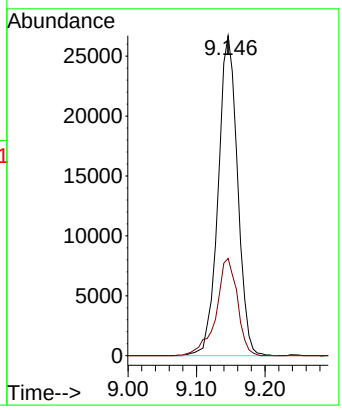




#45
1,2-Dichloropropane
Concen: 21.204 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 63 Resp: 5237

Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.0	36.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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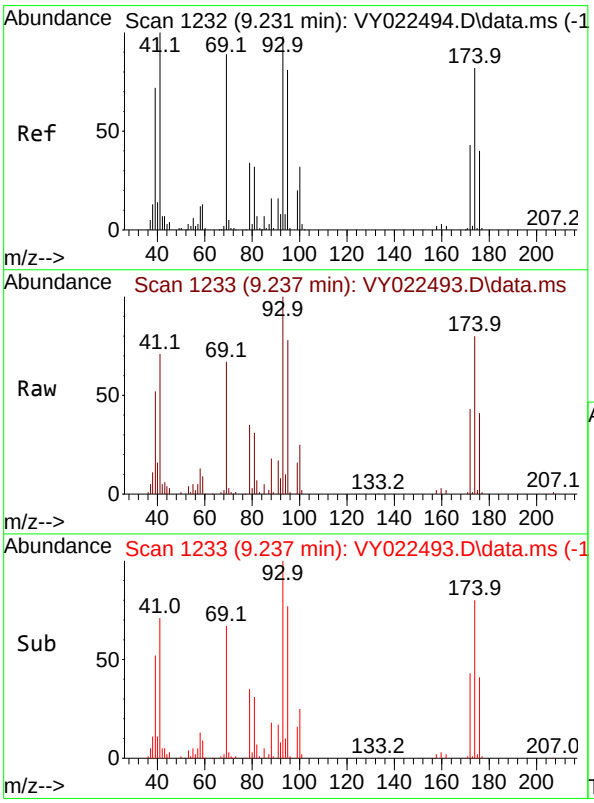
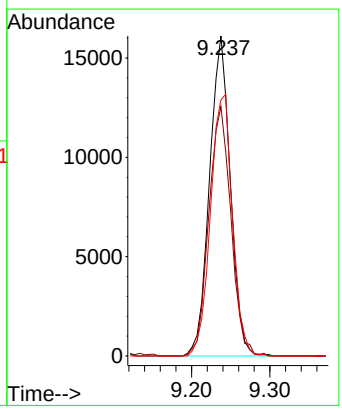
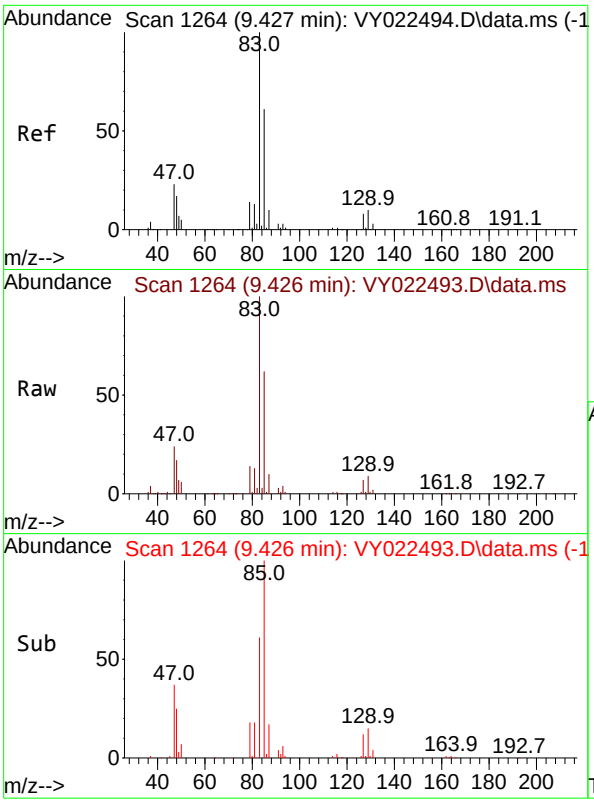


#46
Dibromomethane
Concen: 21.491 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 93 Resp: 29741

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.6	98.4
174	86.2	70.4	105.6

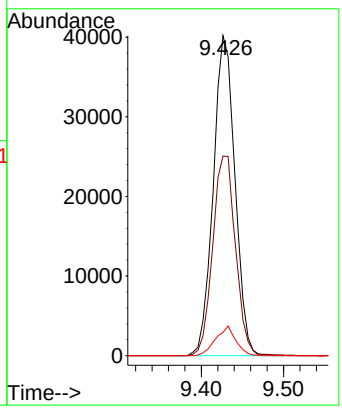




#47
Bromodichloromethane
Concen: 20.995 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 83 Resp: 7371

Ion	Ratio	Lower	Upper
83	100		
85	62.4	49.1	73.7
127	7.3	6.2	9.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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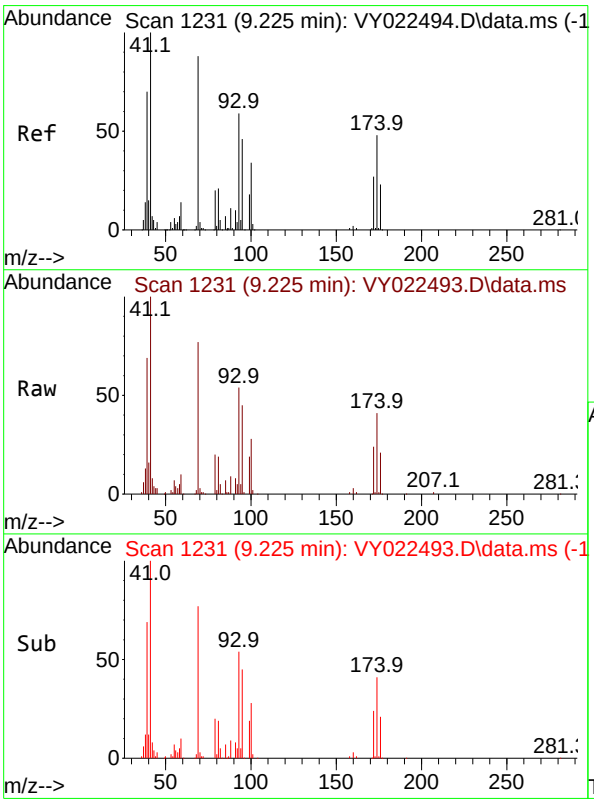
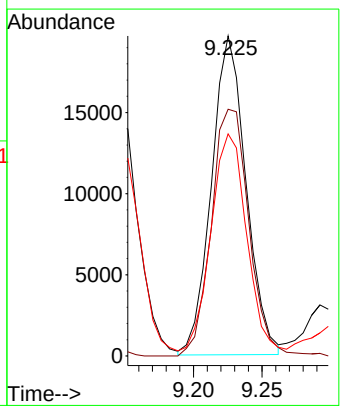
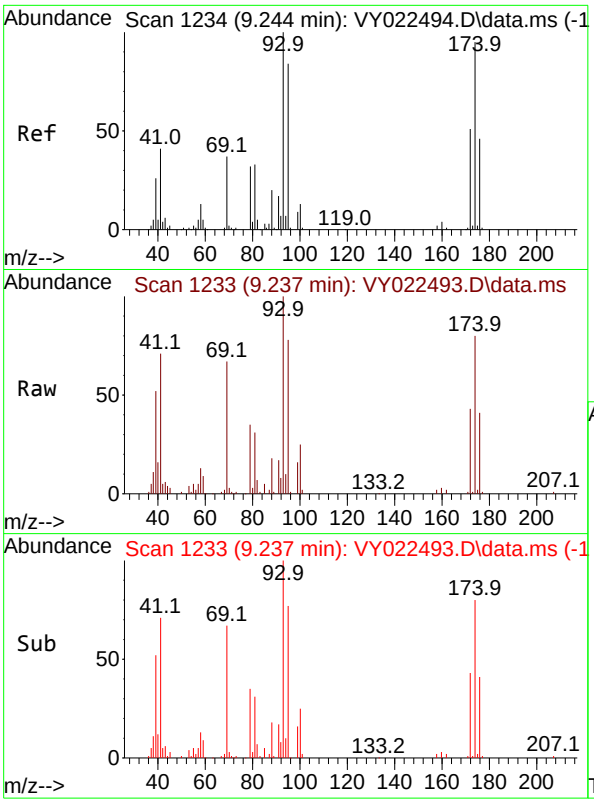


#48
Methyl methacrylate
Concen: 22.294 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 41 Resp: 34508

Ion	Ratio	Lower	Upper
41	100		
69	84.1	67.8	101.8
39	69.9	55.0	82.4

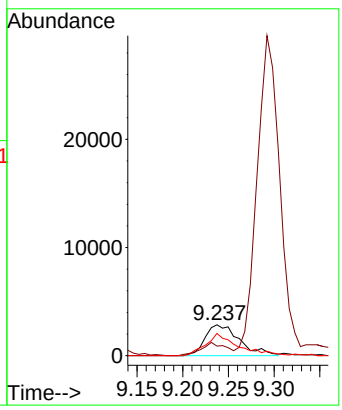




#49
1,4-Dioxane
Concen: 450.895 ug/l
RT: 9.237 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 88 Resp: 744

Ion	Ratio	Lower	Upper
88	100		
43	31.1	25.4	38.2
58	67.3	54.9	82.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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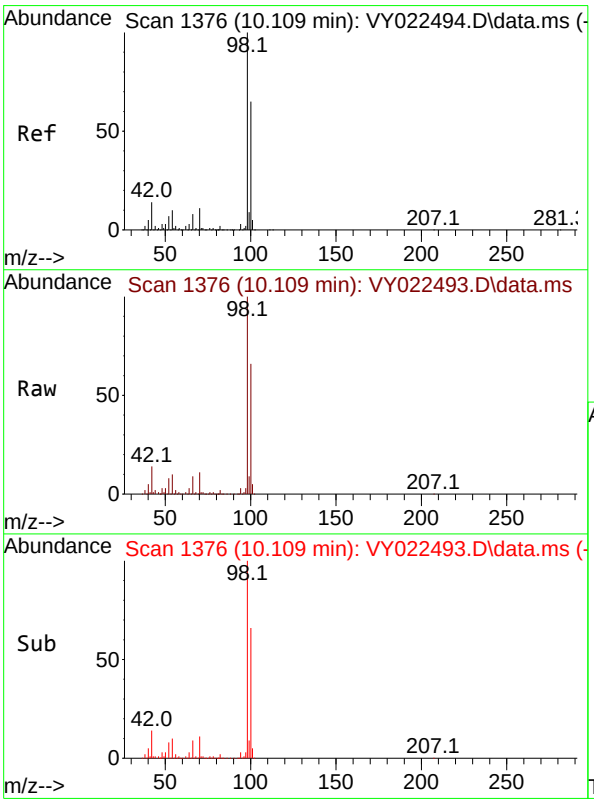
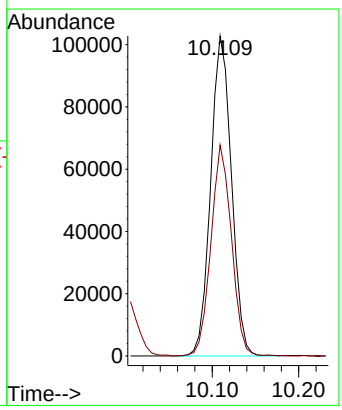
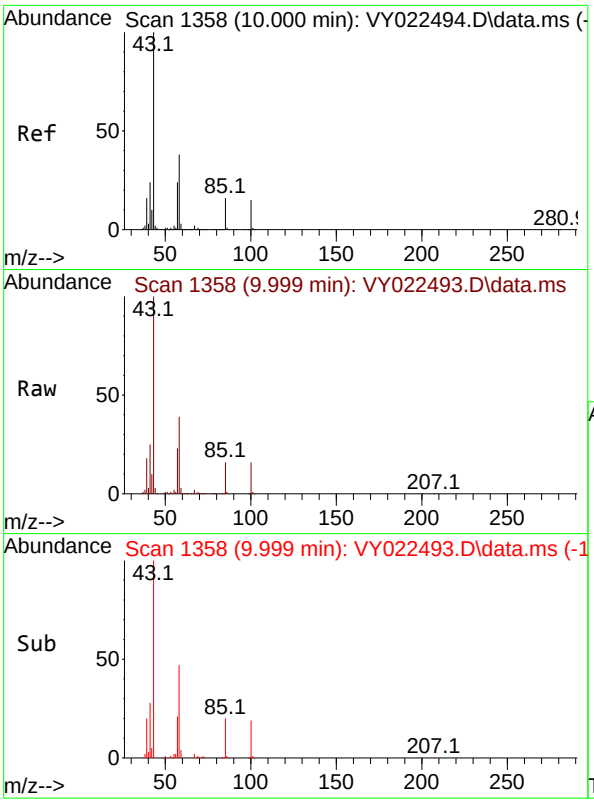


#50
Toluene-d8
Concen: 19.474 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 98 Resp: 171165

Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.4	77.0





#51
4-Methyl-2-Pentanone
Concen: 108.147 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 43 Resp: 18146

Ion	Ratio	Lower	Upper
43	100		
58	39.2	30.4	45.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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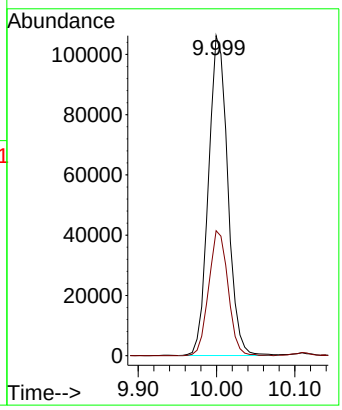
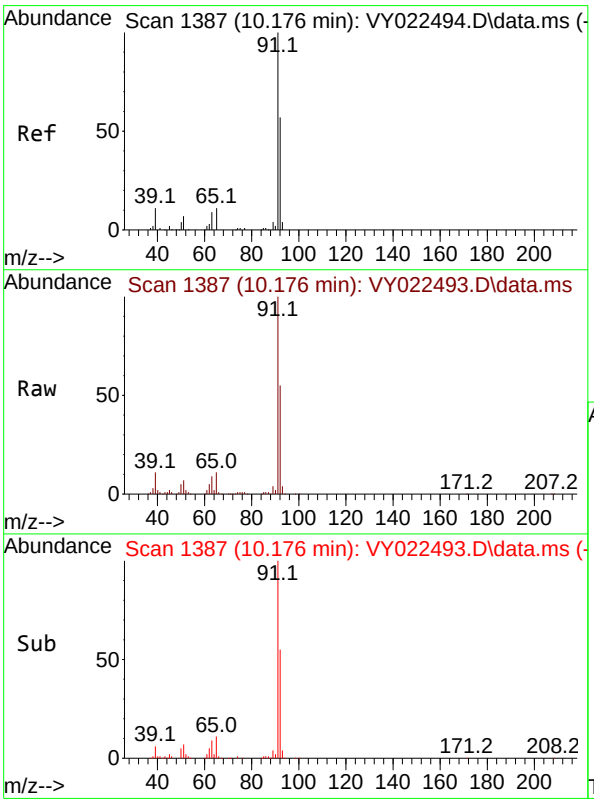
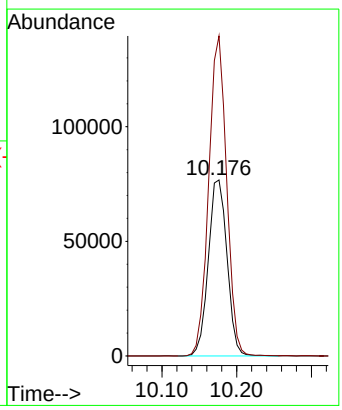


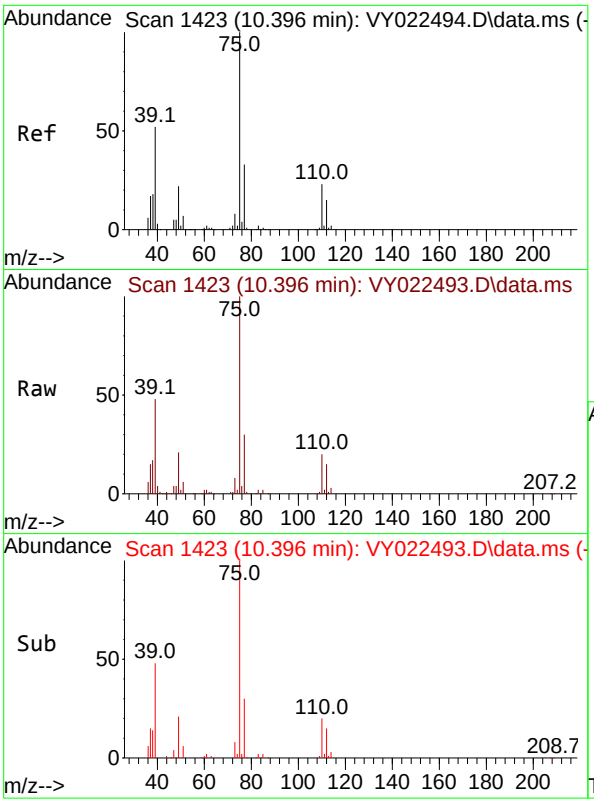


#52
Toluene
Concen: 20.508 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 92 Resp: 133601

Ion	Ratio	Lower	Upper
92	100		
91	174.3	139.0	208.4

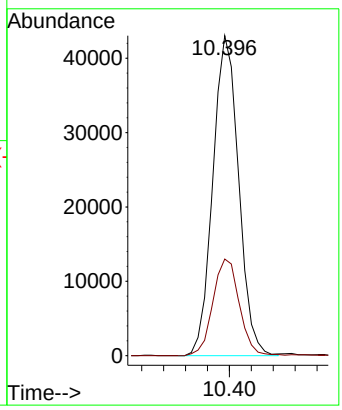




#53
t-1,3-Dichloropropene
Concen: 21.660 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 75 Resp: 7035

Ion	Ratio	Lower	Upper
75	100		
77	30.2	26.5	39.7



Instrument :
MSVOA_Y
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VSTDICC020

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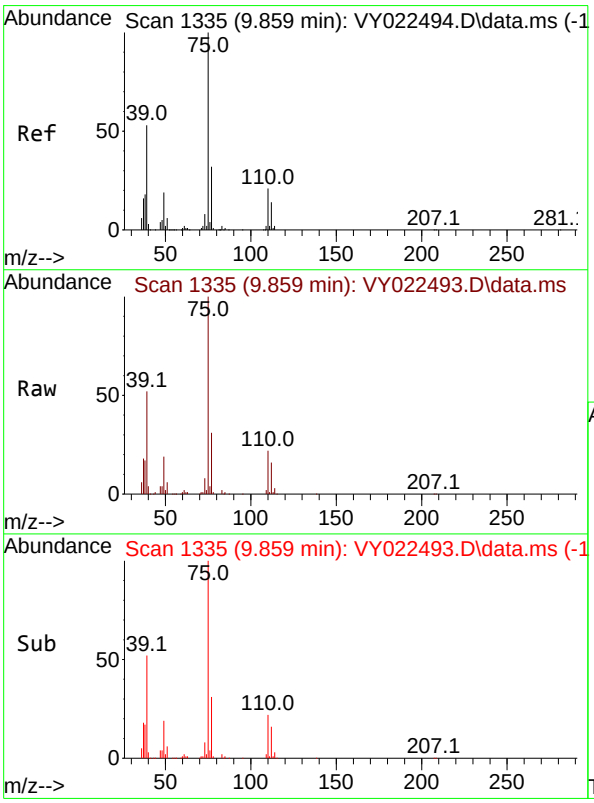
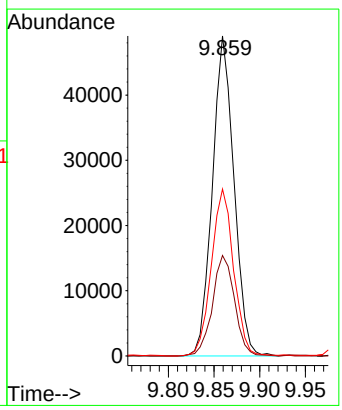
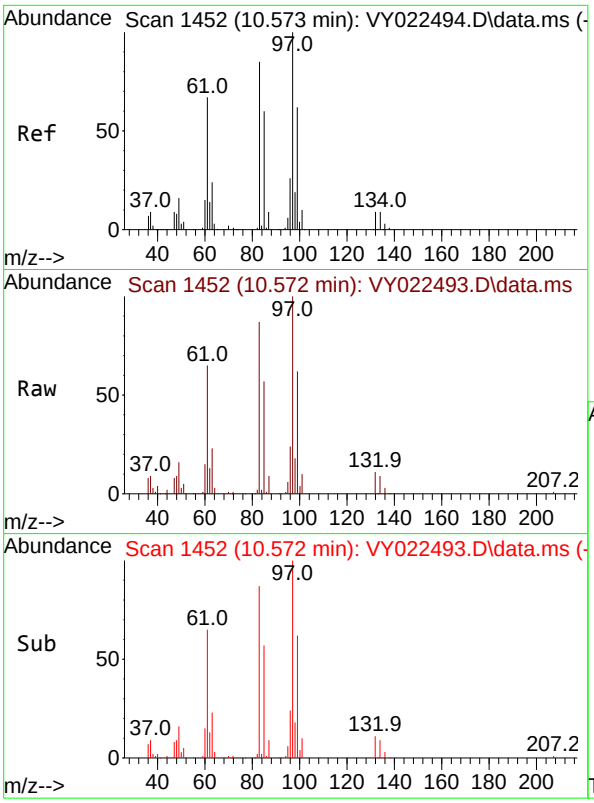


#54
cis-1,3-Dichloropropene
Concen: 21.141 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 75 Resp: 80524

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.3	37.9
39	52.1	42.7	64.1

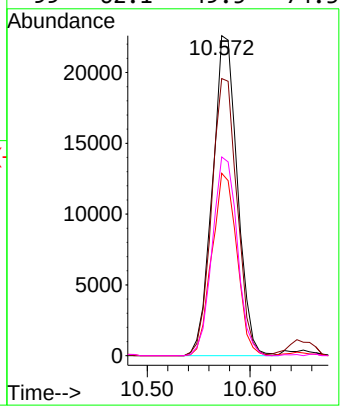




#55
1,1,2-Trichloroethane
Concen: 21.849 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 97 Resp: 3807

Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.1	102.1
85	57.0	48.2	72.2
99	62.1	49.5	74.3



Instrument :
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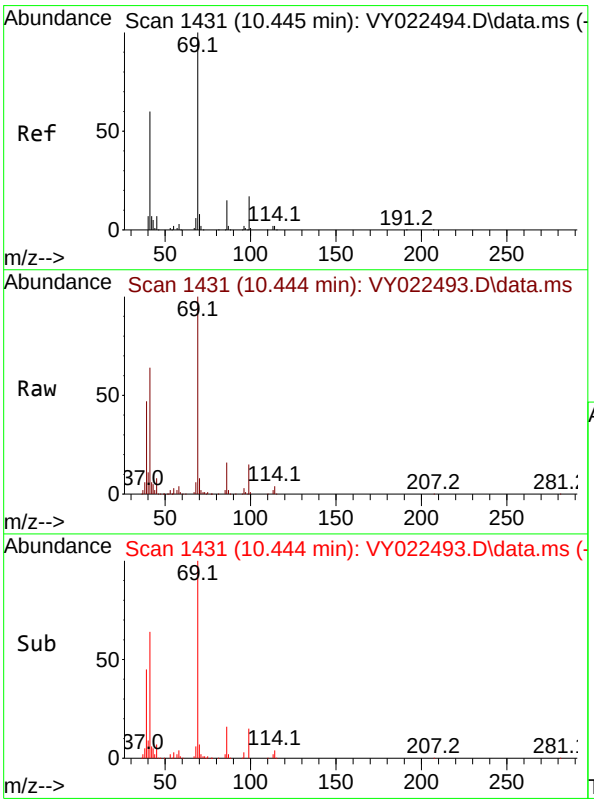
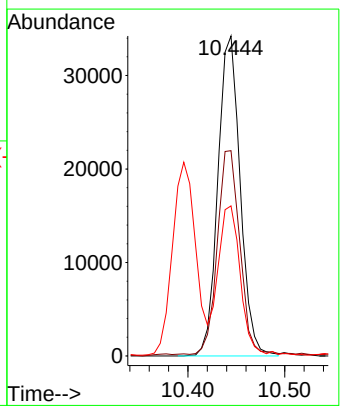
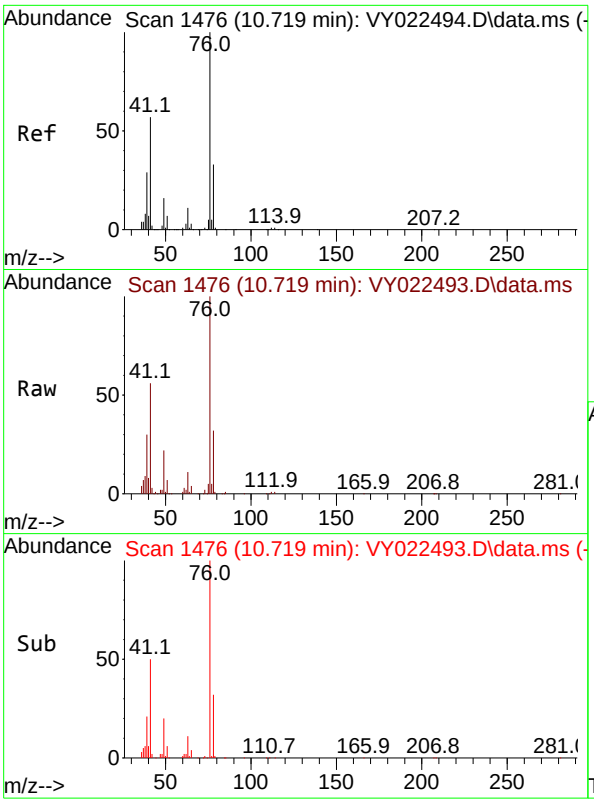


#56
Ethyl methacrylate
Concen: 21.626 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 69 Resp: 54734

Ion	Ratio	Lower	Upper
69	100		
41	64.8	52.2	78.2
39	46.8	36.7	55.1

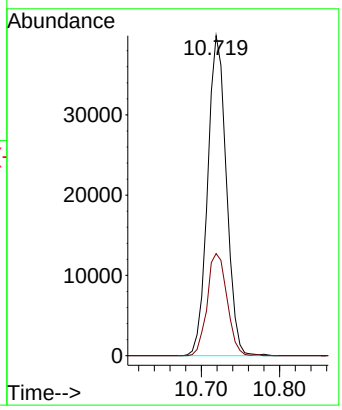




#57
1,3-Dichloropropane
Concen: 21.317 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 76 Resp: 6616

Ion	Ratio	Lower	Upper
76	100		
78	33.8	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
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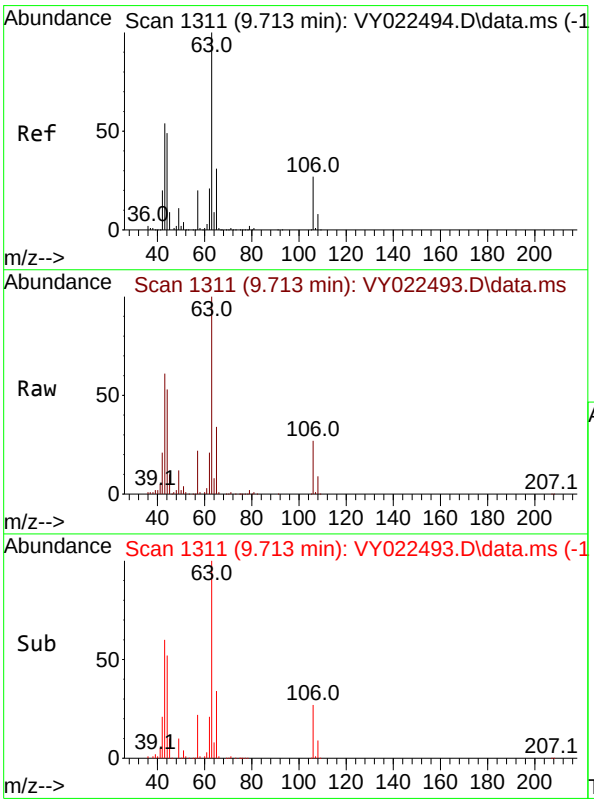
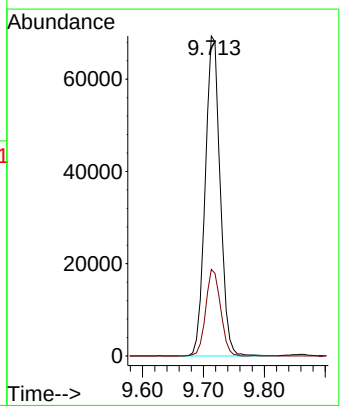
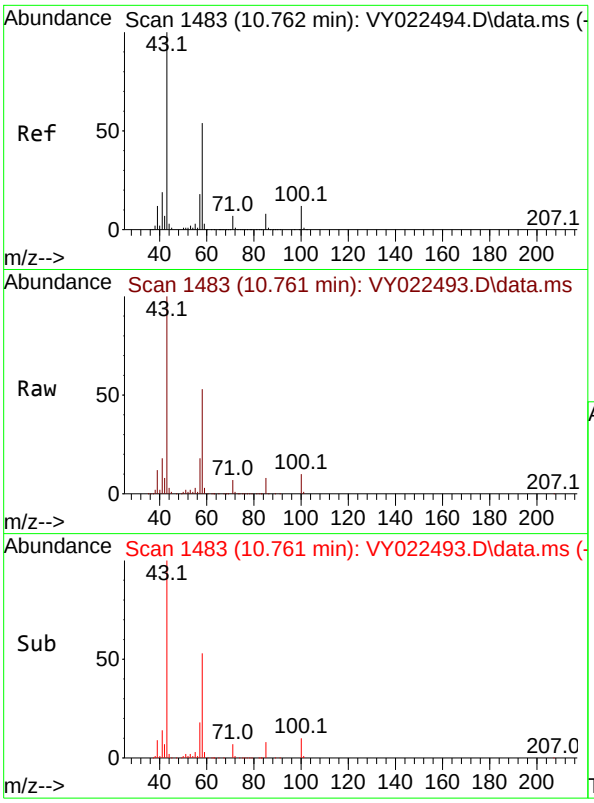


#58
2-Chloroethyl Vinyl ether
Concen: 104.797 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 63 Resp: 118244

Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.6	32.4





#59
2-Hexanone
Concen: 109.805 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 43 Resp: 12281

Ion	Ratio	Lower	Upper
43	100		
58	53.8	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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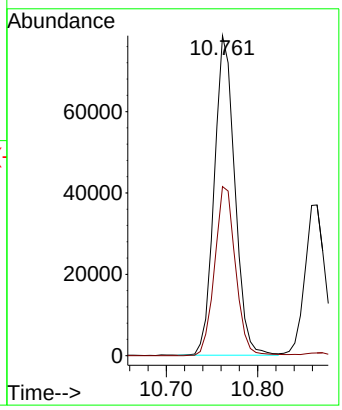
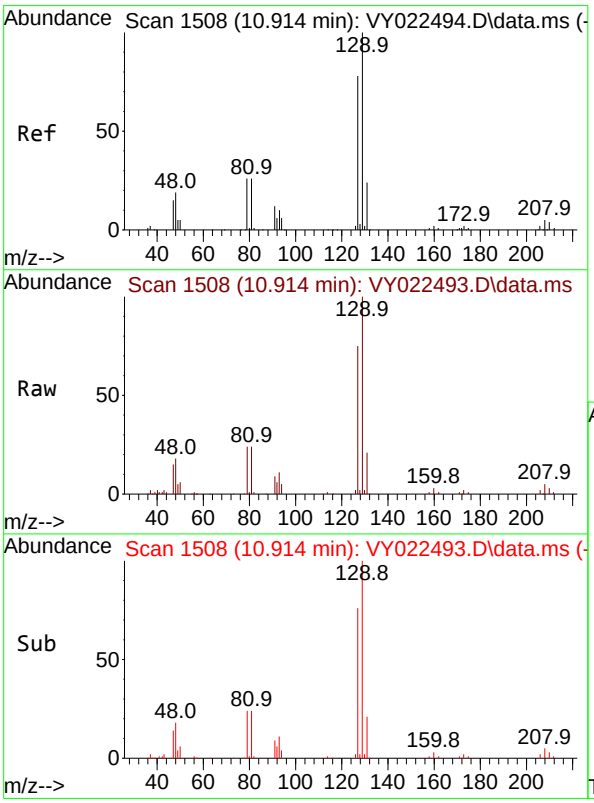
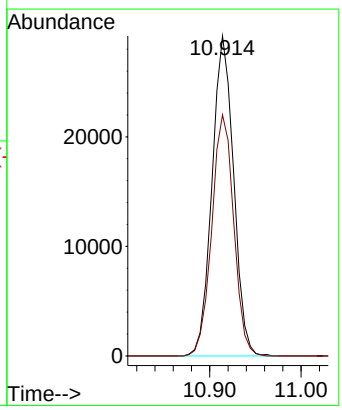


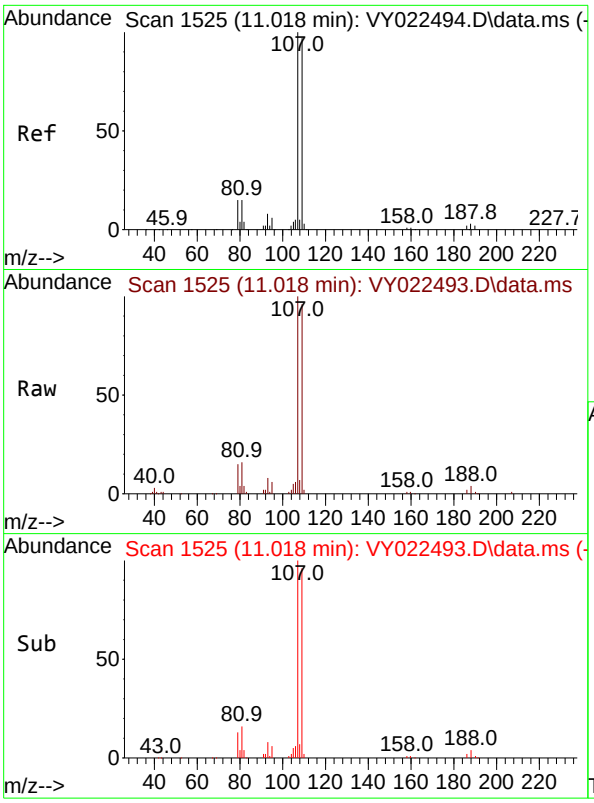


#60
Dibromochloromethane
Concen: 21.715 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:129 Resp: 47952

Ion	Ratio	Lower	Upper
129	100		
127	76.5	39.1	117.2

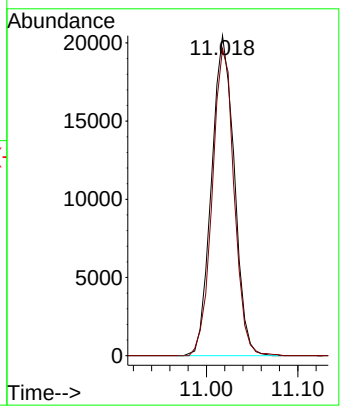




#61
1,2-Dibromoethane
Concen: 21.965 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:107 Resp: 3532

Ion	Ratio	Lower	Upper
107	100		
109	92.4	77.7	116.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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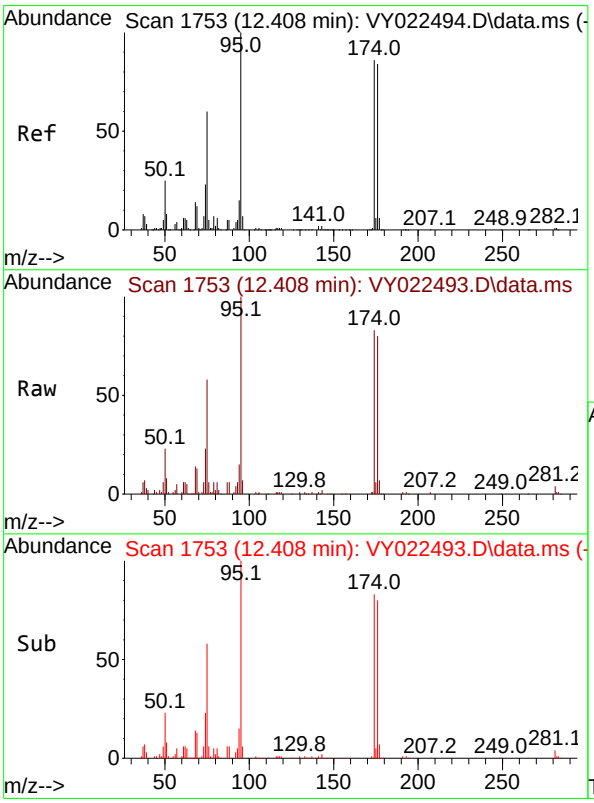
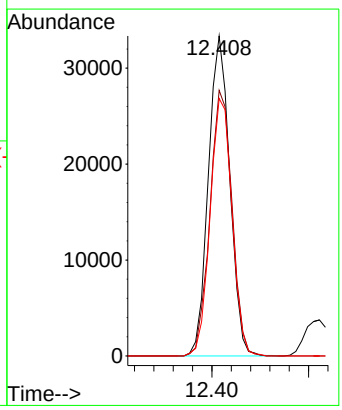
Supervised By :Mahesh Dadoda 06/03/2025

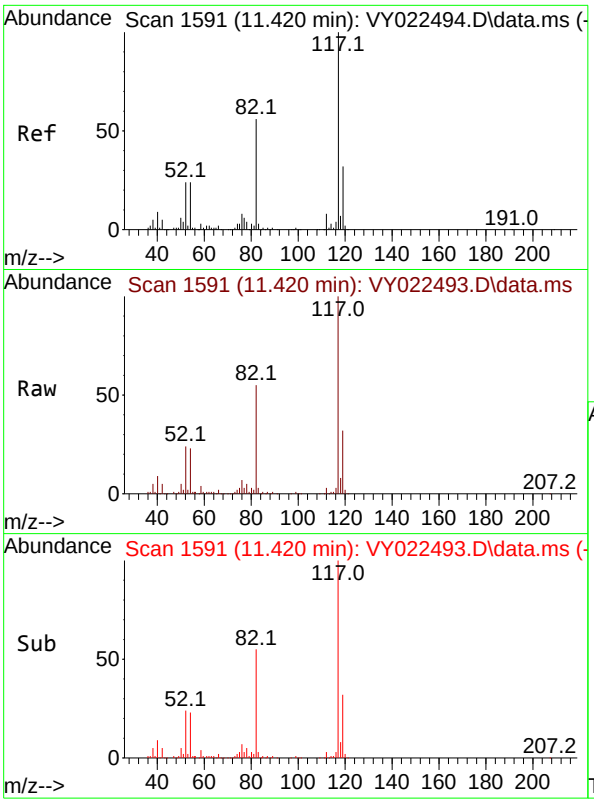


#62
4-Bromofluorobenzene
Concen: 19.225 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 95 Resp: 51231

Ion	Ratio	Lower	Upper
95	100		
174	85.7	0.0	170.0
176	82.3	0.0	166.2

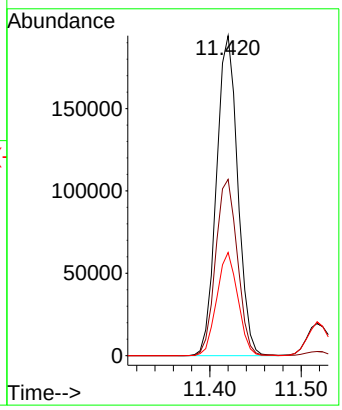




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:117 Resp: 31427

Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.6	66.8
119	32.2	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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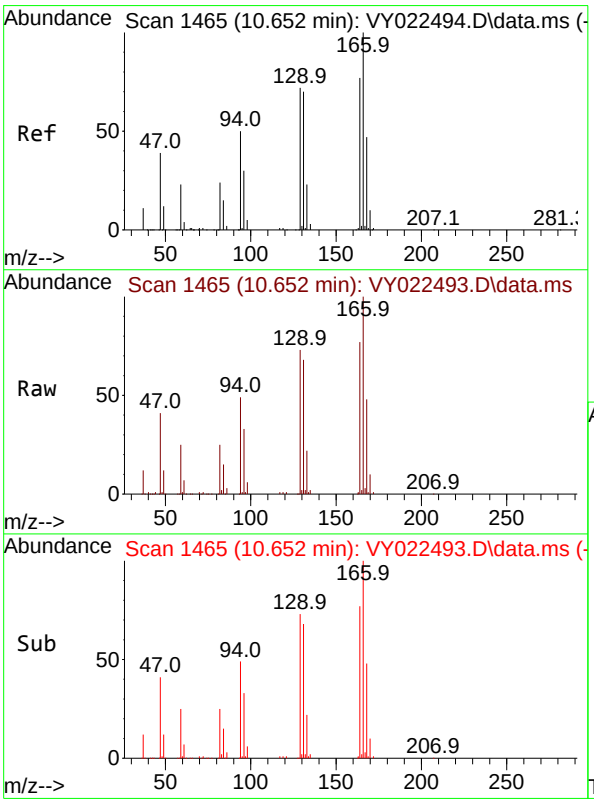
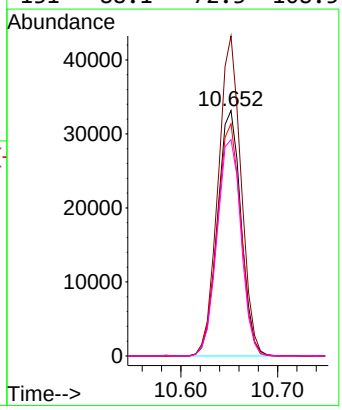
Supervised By :Mahesh Dadoda 06/03/2025

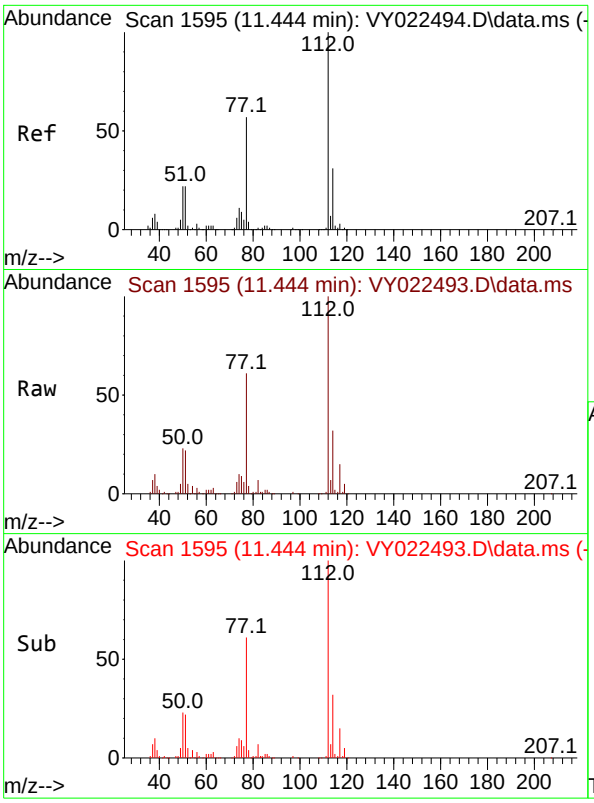


#64
Tetrachloroethene
Concen: 21.063 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:164 Resp: 56256

Ion	Ratio	Lower	Upper
164	100		
166	130.3	104.0	156.0
129	94.6	74.5	111.7
131	88.1	72.3	108.5

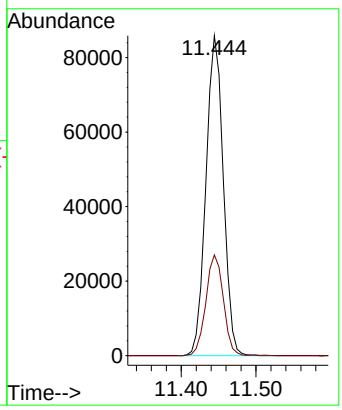




#65
Chlorobenzene
Concen: 20.336 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:112 Resp: 13858

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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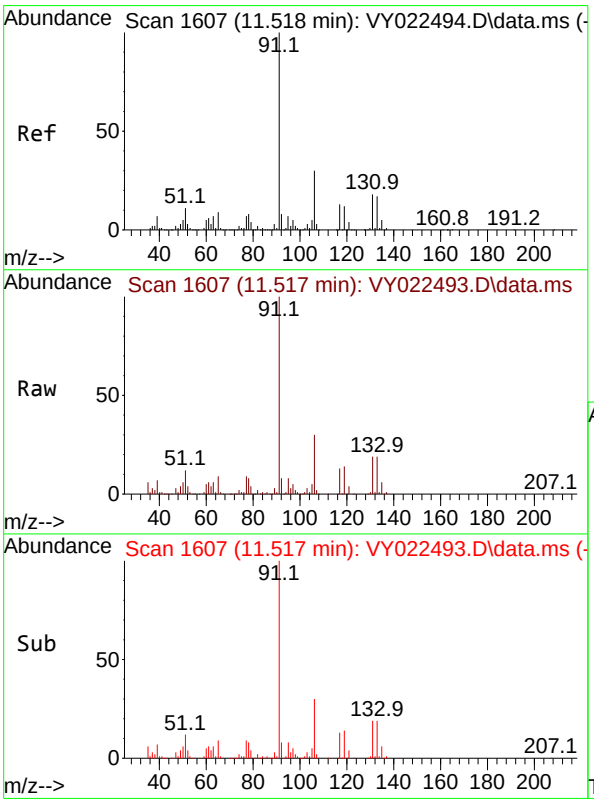
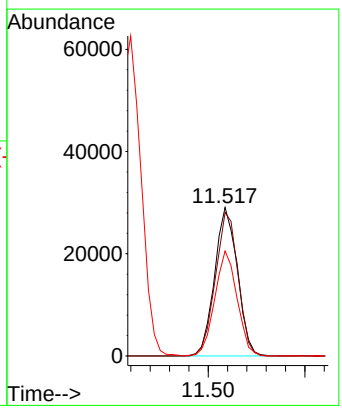
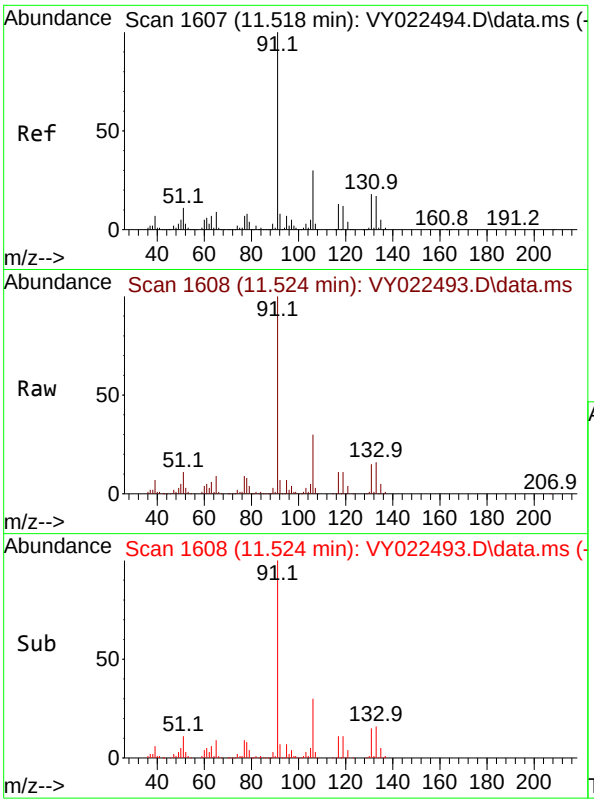


#66
1,1,1,2-Tetrachloroethane
Concen: 20.600 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:131 Resp: 47587

Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.3	141.8
119	68.9	33.1	99.3





#67
Ethyl Benzene
Concen: 19.871 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 91 Resp: 25218

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.2	36.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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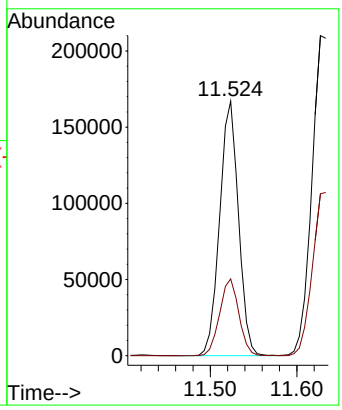
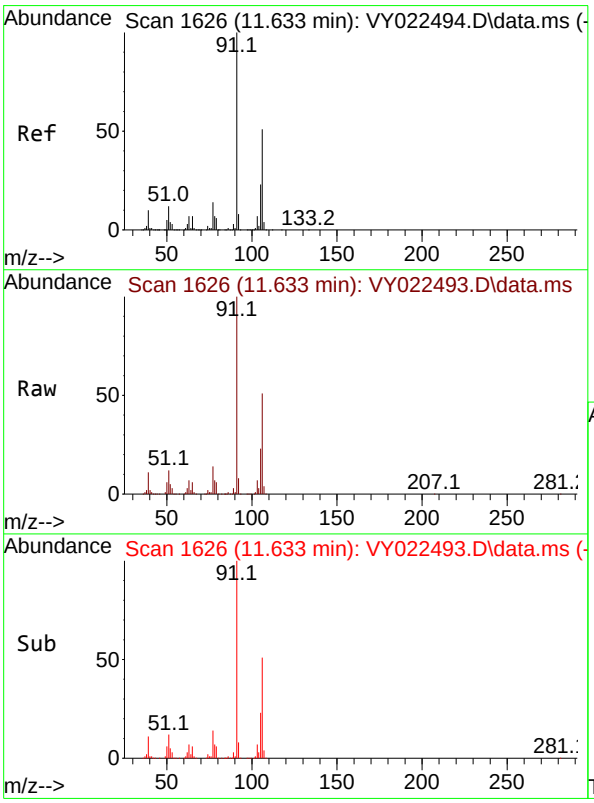
Supervised By :Mahesh Dadoda 06/03/2025

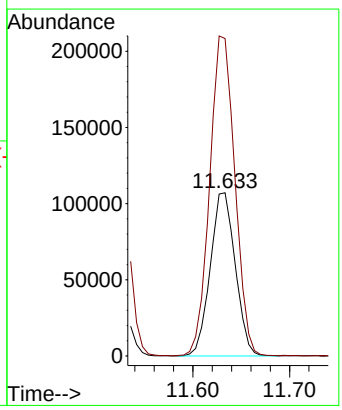


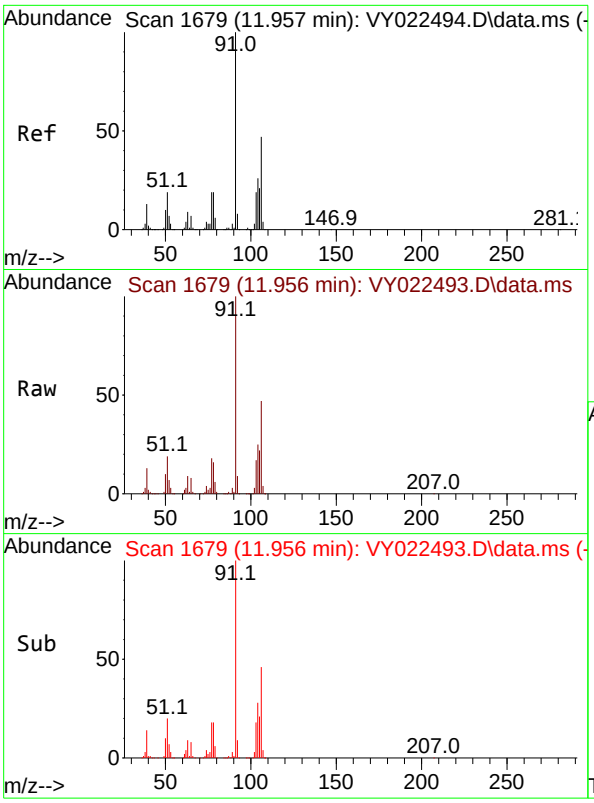


#68
m/p-Xylenes
Concen: 40.053 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:106 Resp: 192372

Ion	Ratio	Lower	Upper
106	100		
91	197.2	159.4	239.0

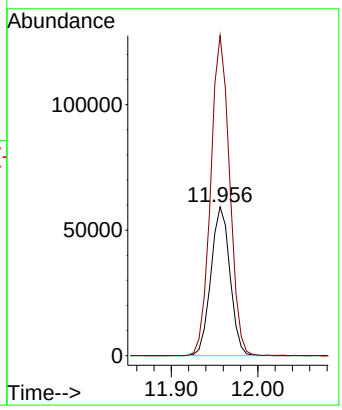




#69
o-Xylene
Concen: 20.155 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:106 Resp: 9059

Ion	Ratio	Lower	Upper
106	100		
91	214.1	105.8	317.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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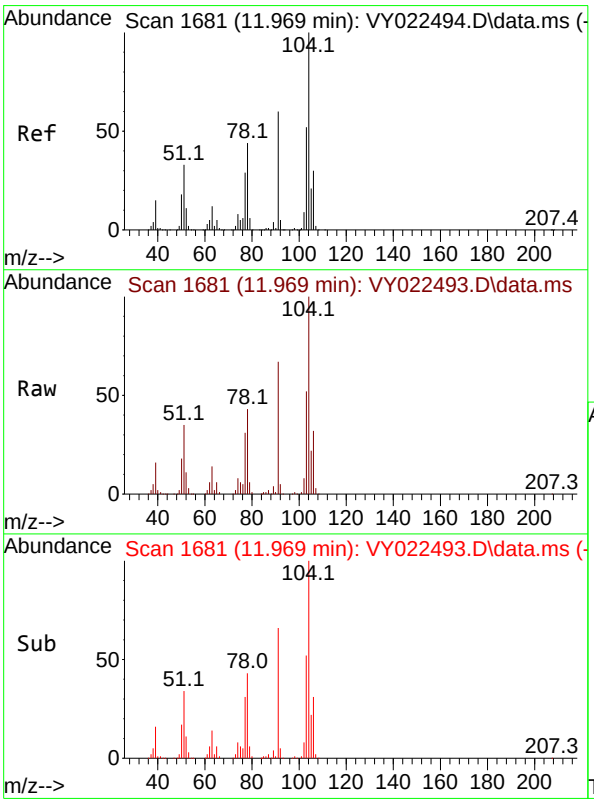
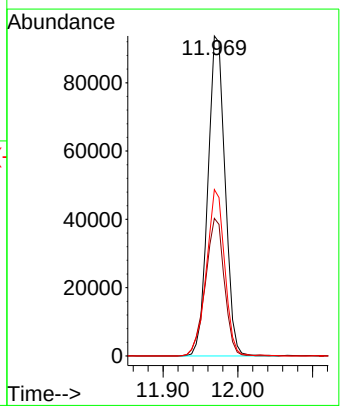
Supervised By :Mahesh Dadoda 06/03/2025

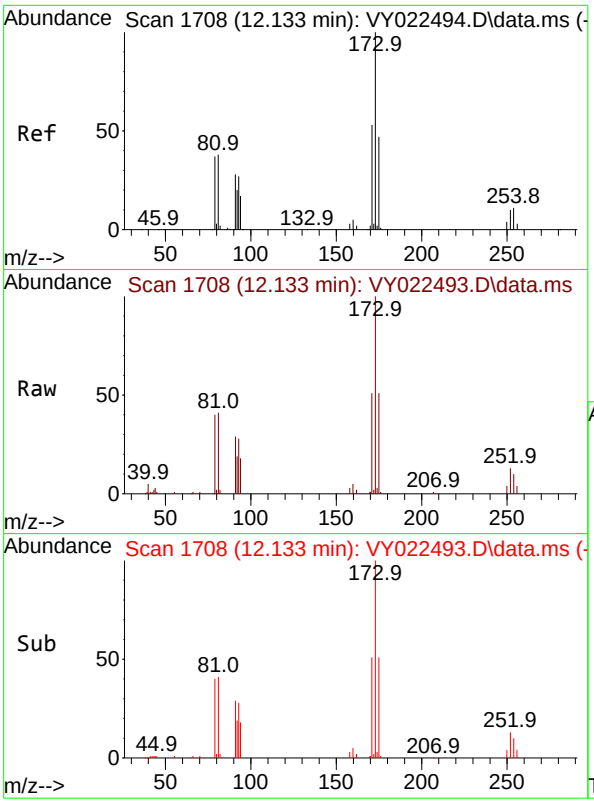


#70
Styrene
Concen: 20.086 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:104 Resp: 149486

Ion	Ratio	Lower	Upper
104	100		
78	47.5	39.5	59.3
103	55.4	44.1	66.1

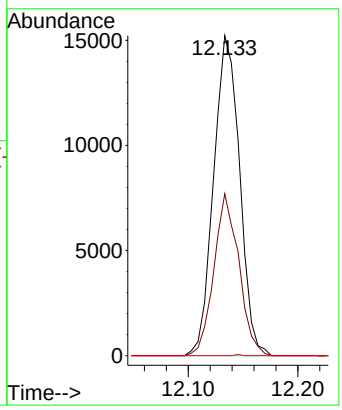




#71
Bromoform
Concen: 20.668 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:173 Resp: 2508

Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.8	71.5
254	0.1	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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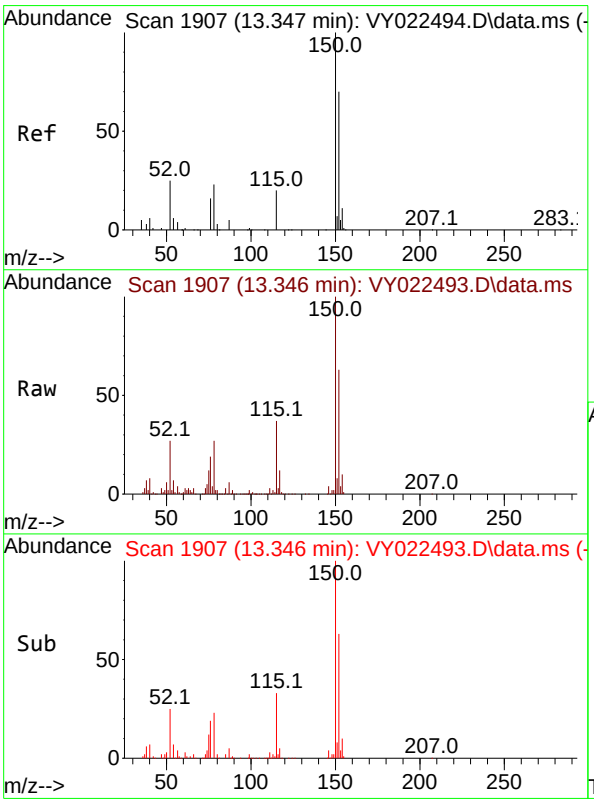
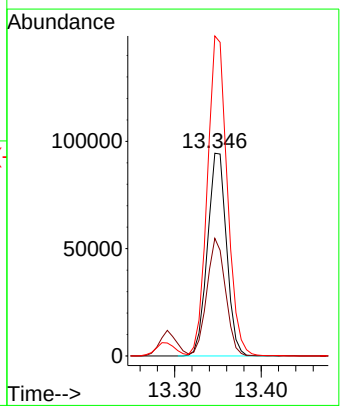
Supervised By :Mahesh Dadoda 06/03/2025

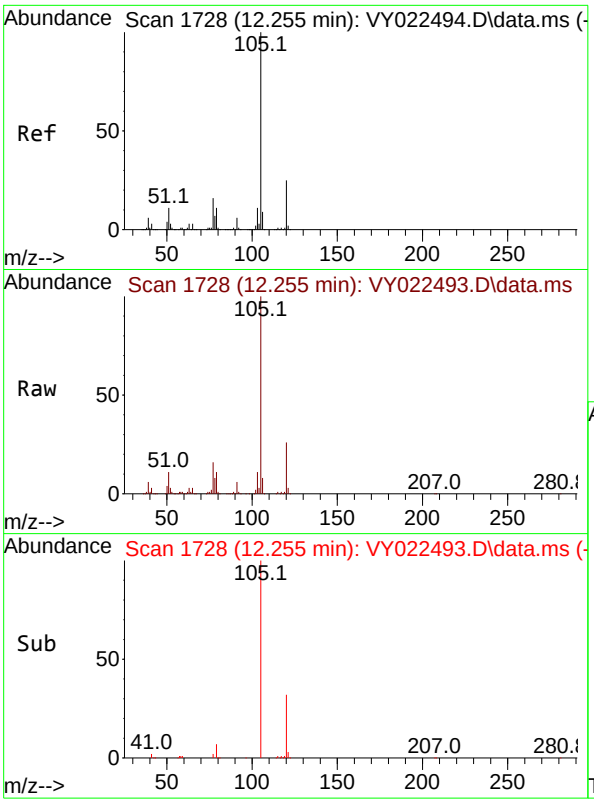


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:152 Resp: 144385

Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.9	86.7
150	164.8	0.0	349.6

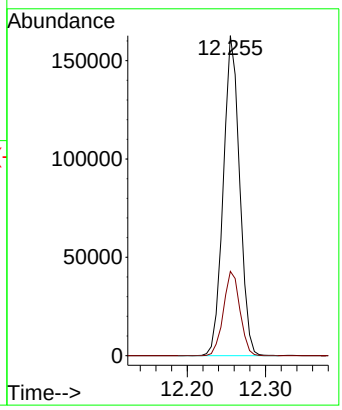




#73
Isopropylbenzene
Concen: 20.303 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:105 Resp: 23618

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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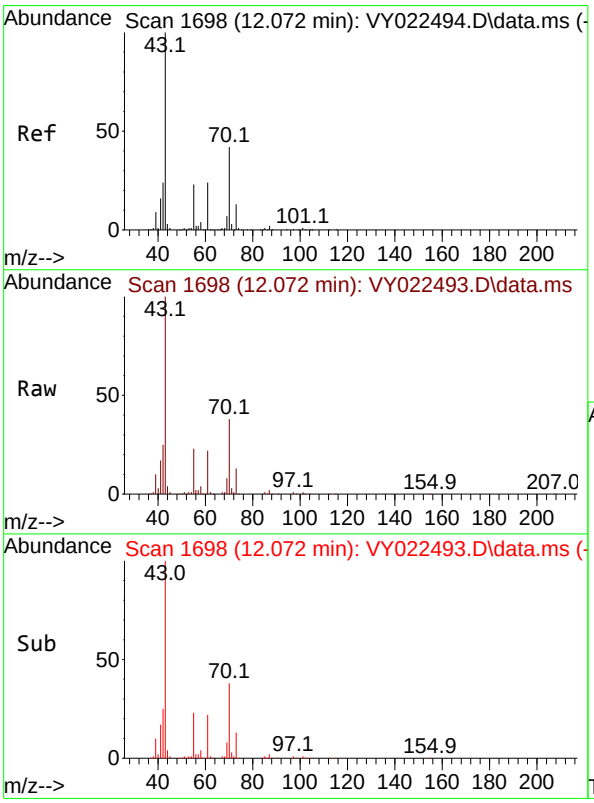
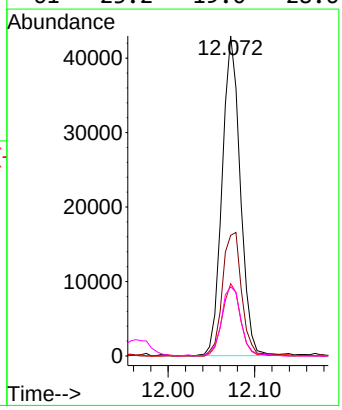
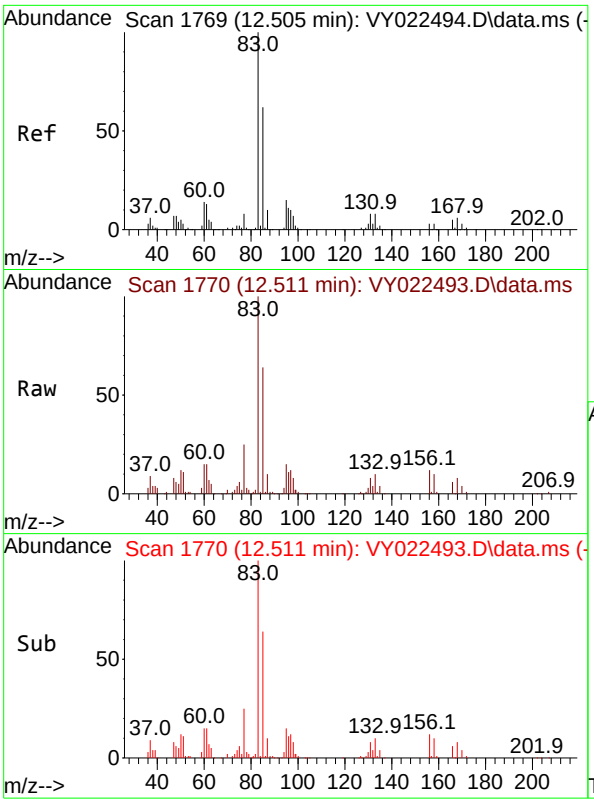


#74
N-amyl acetate
Concen: 21.224 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 43 Resp: 62437

Ion	Ratio	Lower	Upper
43	100		
70	41.2	34.2	51.2
55	22.6	18.2	27.4
61	23.2	19.0	28.6

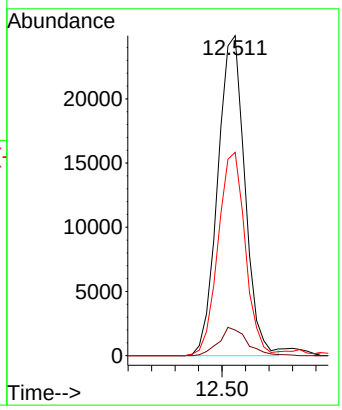




#75
1,1,2,2-Tetrachloroethane
Concen: 21.165 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 83 Resp: 3998

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.9	14.7
85	63.8	32.6	97.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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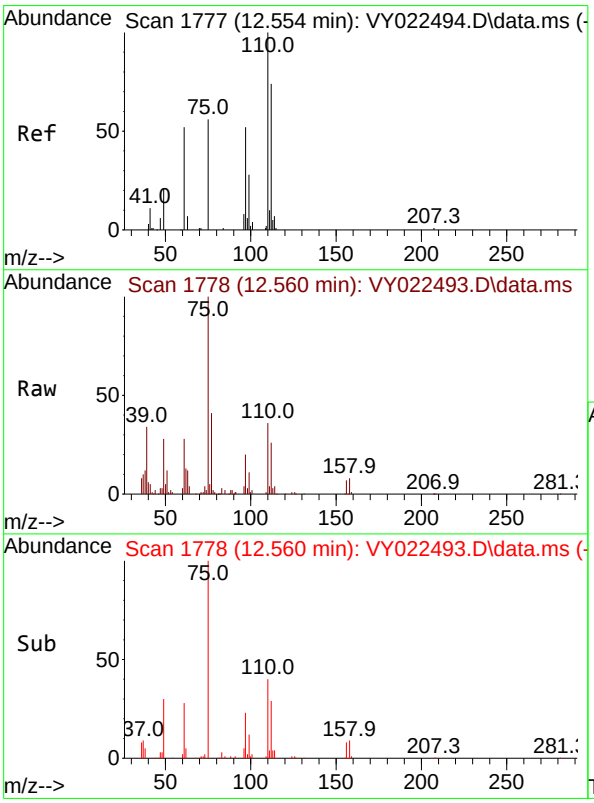
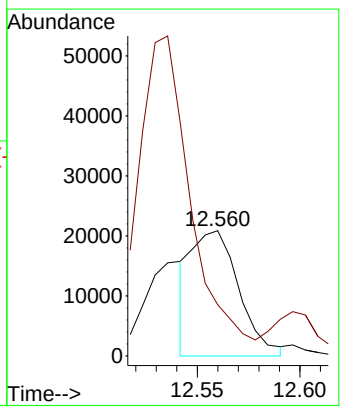
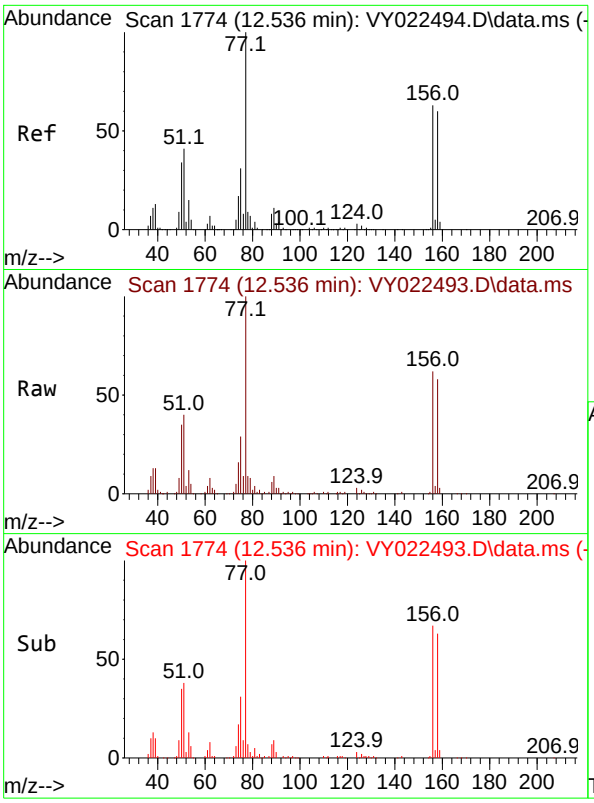


#76
1,2,3-Trichloropropane
Concen: 17.622 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 75 Resp: 33589

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

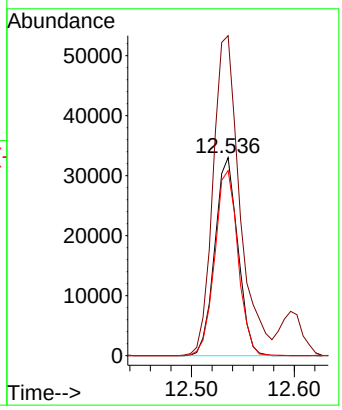




#77
Bromobenzene
Concen: 20.853 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:156 Resp: 5141

Ion	Ratio	Lower	Upper
156	100		
77	187.6	94.0	282.1
158	94.2	48.2	144.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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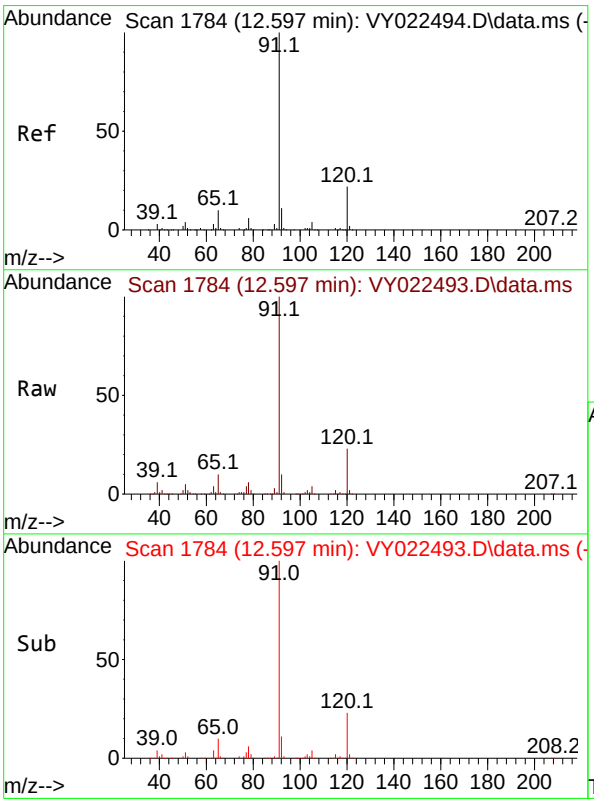
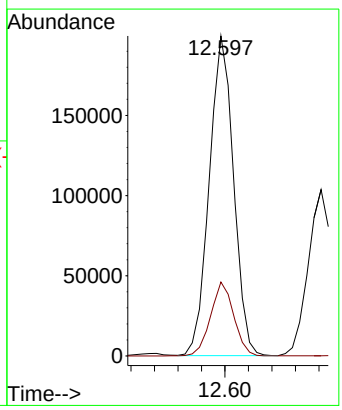
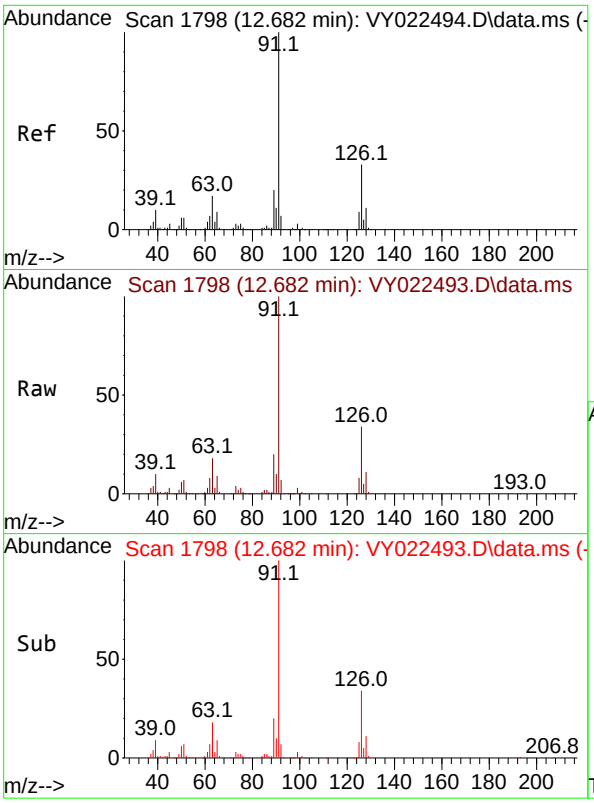


#78
n-propylbenzene
Concen: 20.239 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 91 Resp: 286589

Ion	Ratio	Lower	Upper
91	100		
120	22.1	10.8	32.4





#79
2-Chlorotoluene
Concen: 20.497 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

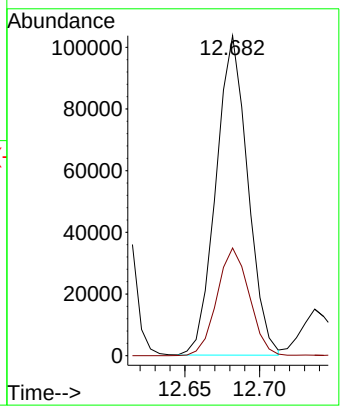
Tgt Ion: 91 Resp: 15325

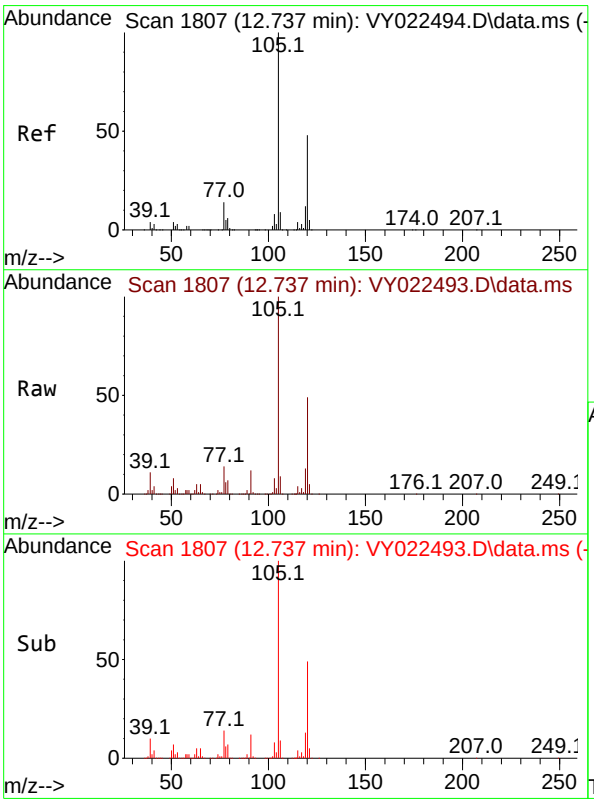
Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.0	51.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

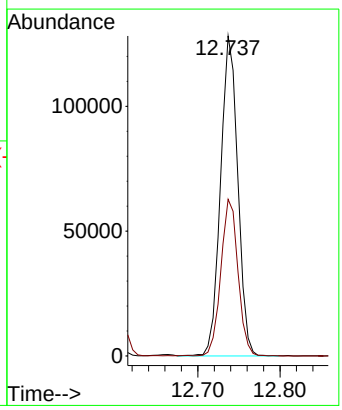


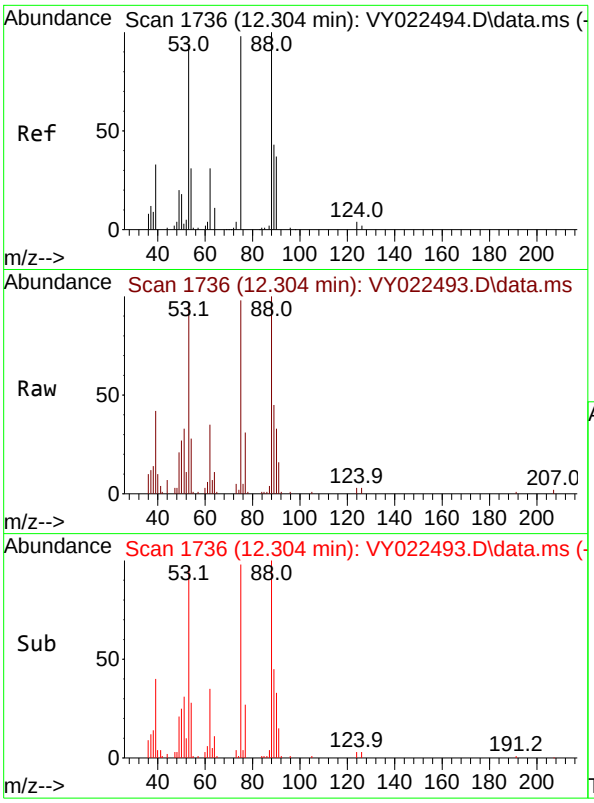


#80
1,3,5-Trimethylbenzene
Concen: 20.570 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:105 Resp: 187101

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.1	72.4





#81
trans-1,4-Dichloro-2-butene
Concen: 20.904 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

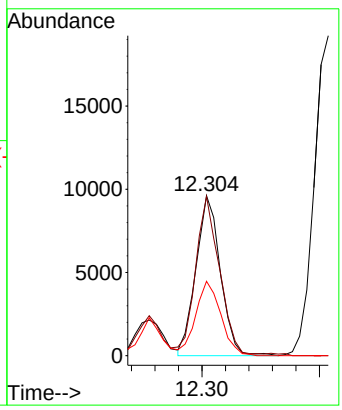
Tgt Ion: 75 Resp: 1389

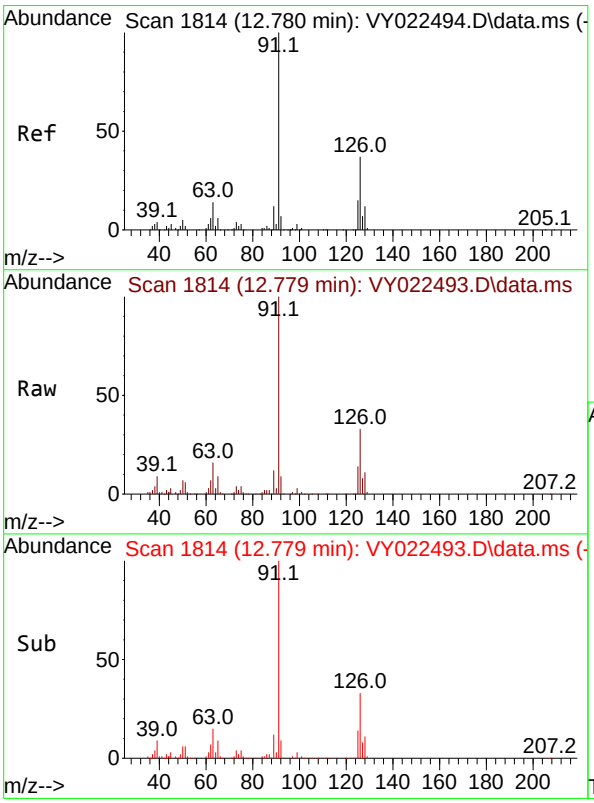
Ion	Ratio	Lower	Upper
75	100		
53	96.6	78.5	117.7
89	47.7	35.7	53.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

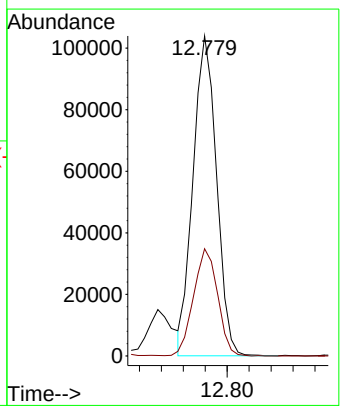


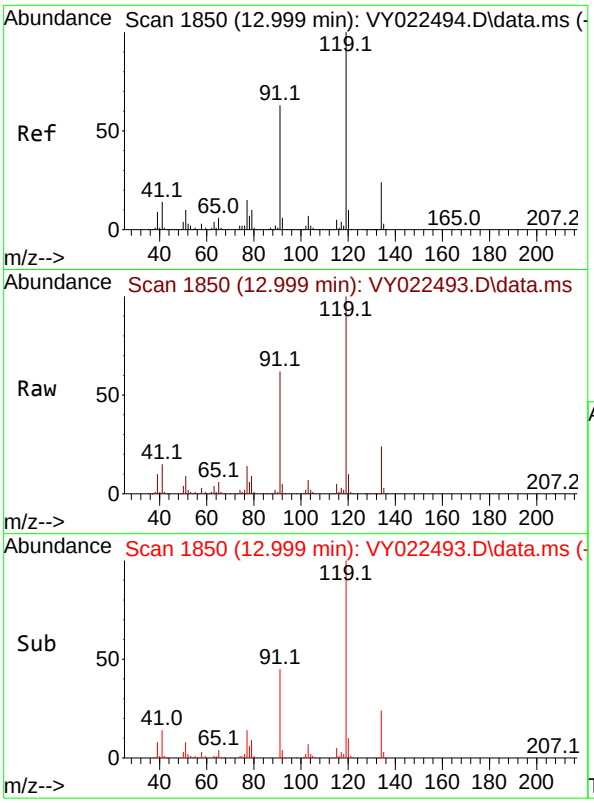


#82
4-Chlorotoluene
Concen: 19.951 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 91 Resp: 154601

Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.0	50.9

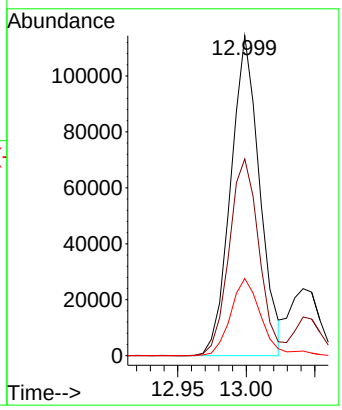




#83
tert-Butylbenzene
Concen: 20.188 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:119 Resp: 16751

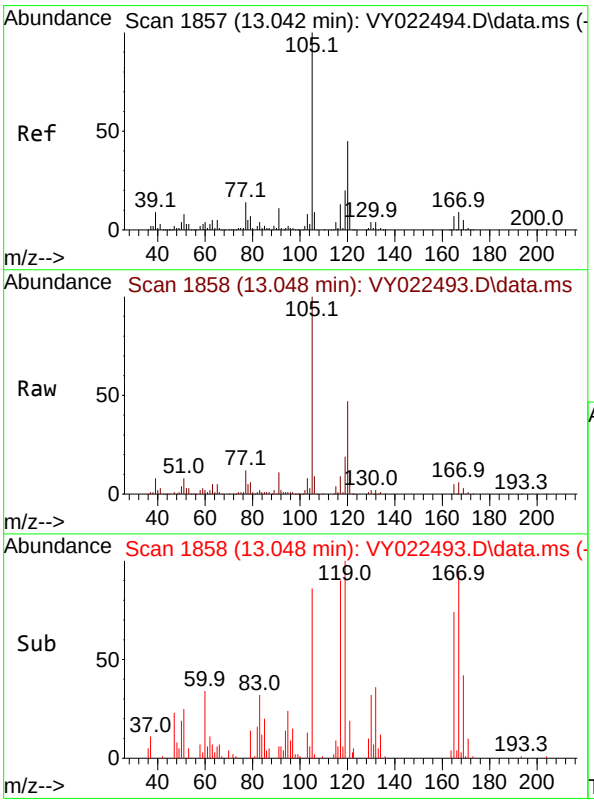
Ion	Ratio	Lower	Upper
119	100		
91	64.4	32.1	96.3
134	25.7	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

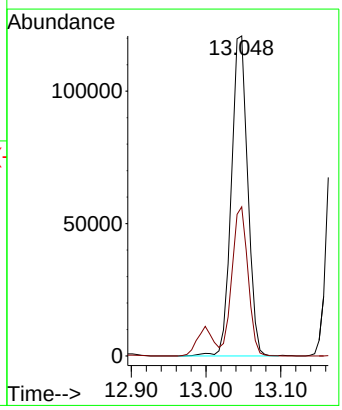
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

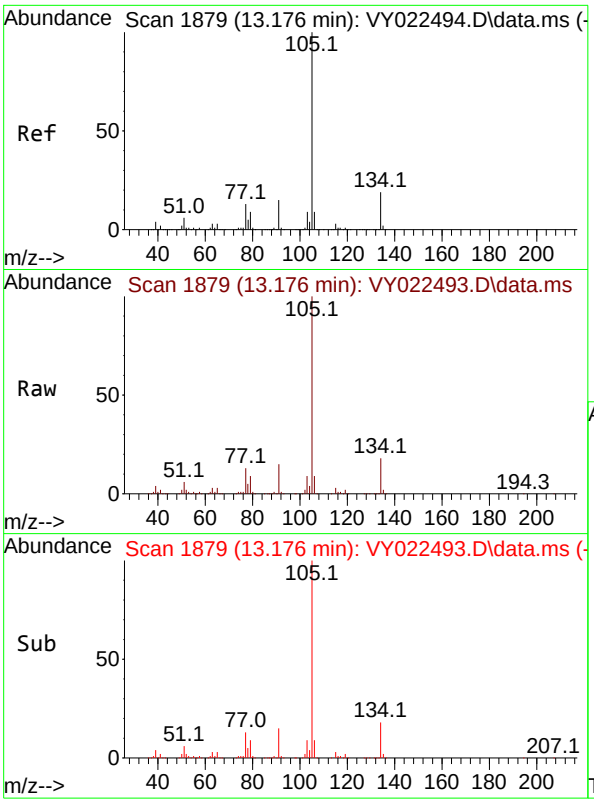


#84
1,2,4-Trimethylbenzene
Concen: 20.241 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:105 Resp: 184202

Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.7	68.1

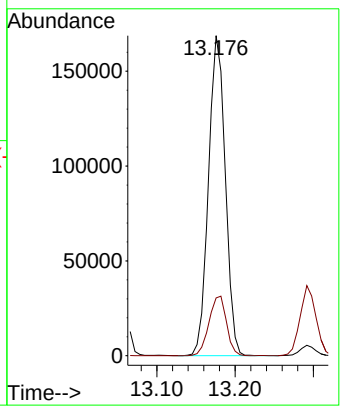




#85
sec-Butylbenzene
Concen: 19.979 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:105 Resp: 25135

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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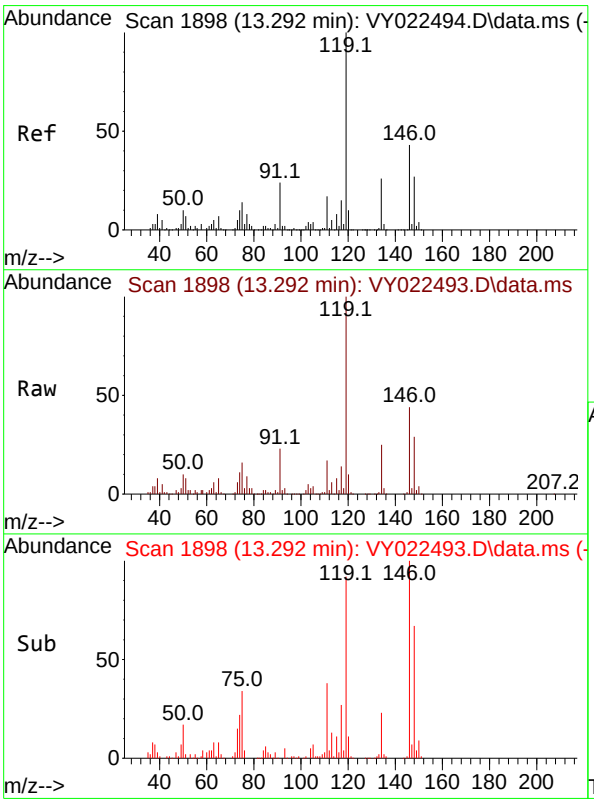
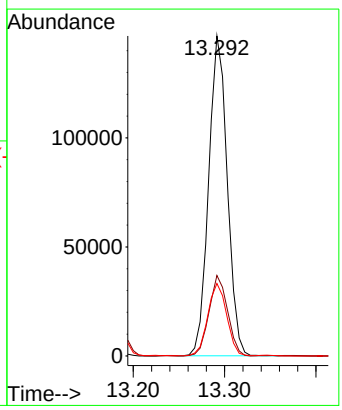
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

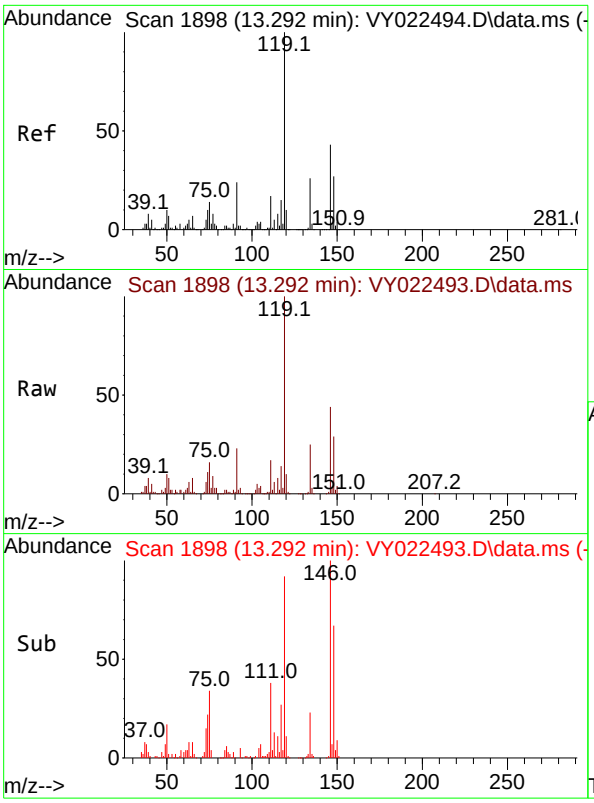


#86
p-Isopropyltoluene
Concen: 20.054 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:119 Resp: 207417

Ion	Ratio	Lower	Upper
119	100		
134	25.1	13.1	39.1
91	22.8	11.6	34.8





#87
1,3-Dichlorobenzene
Concen: 20.252 ug/l
RT: 13.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

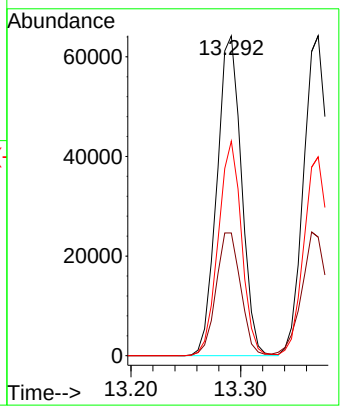
Tgt Ion:146 Resp: 9990

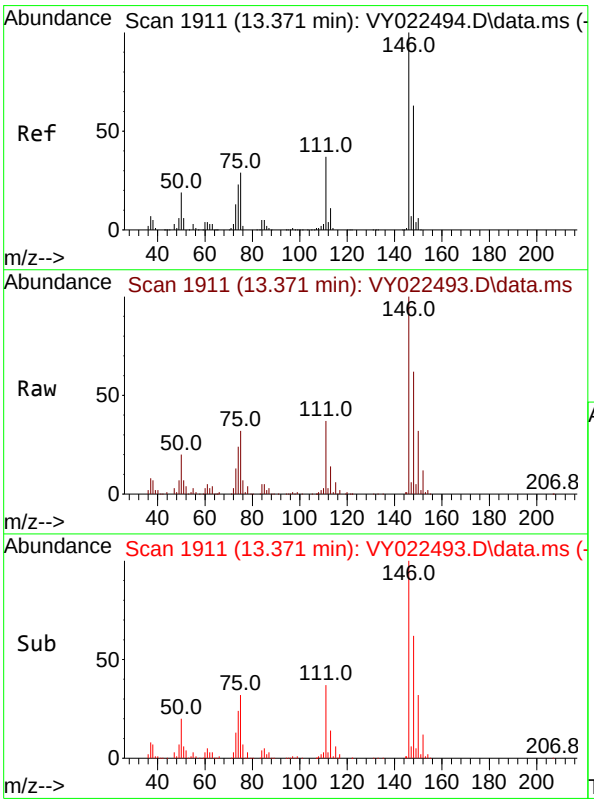
Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.1	60.2
148	63.9	32.1	96.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

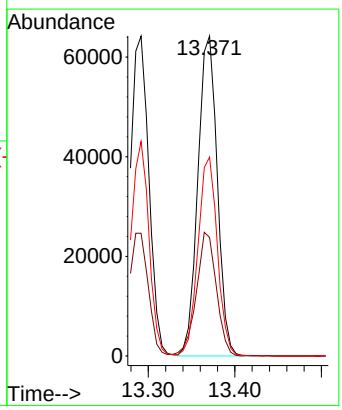


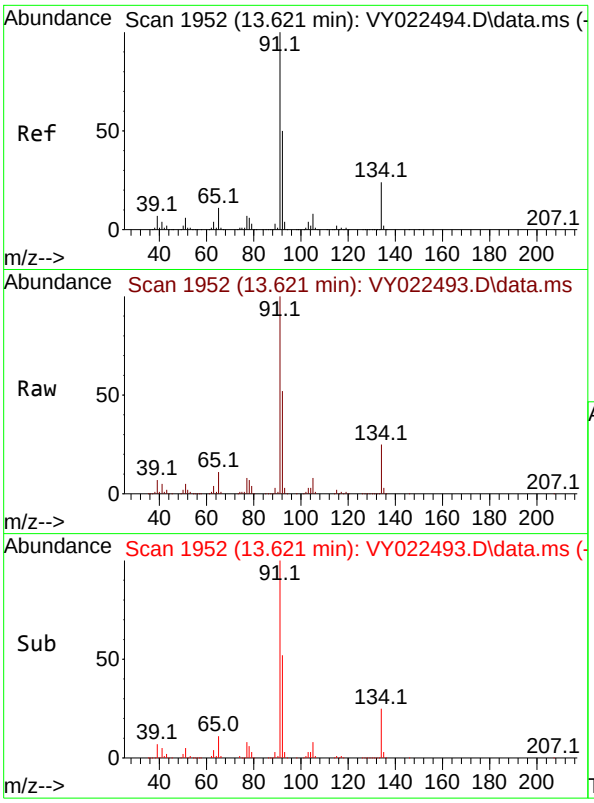


#88
1,4-Dichlorobenzene
Concen: 20.823 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:146 Resp: 100082

Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.4	58.2
148	62.1	31.6	94.8

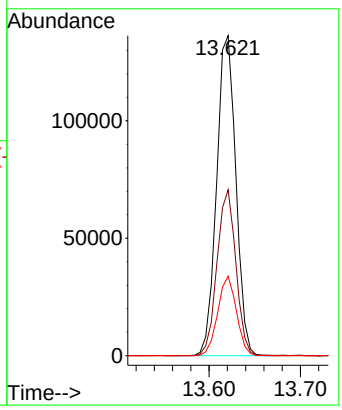




#89
n-Butylbenzene
Concen: 20.287 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 91 Resp: 19978

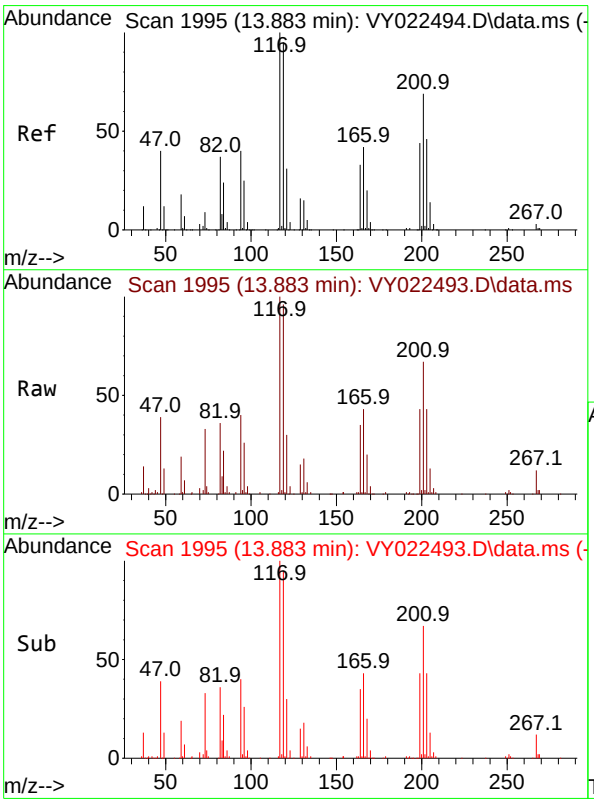
Ion	Ratio	Lower	Upper
91	100		
92	50.7	25.9	77.8
134	24.1	12.0	36.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

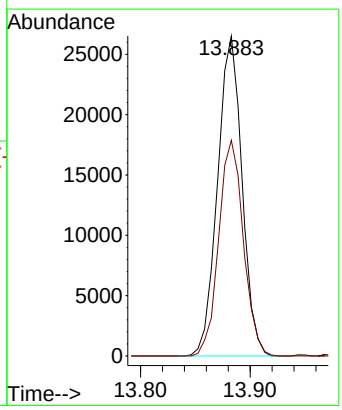
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

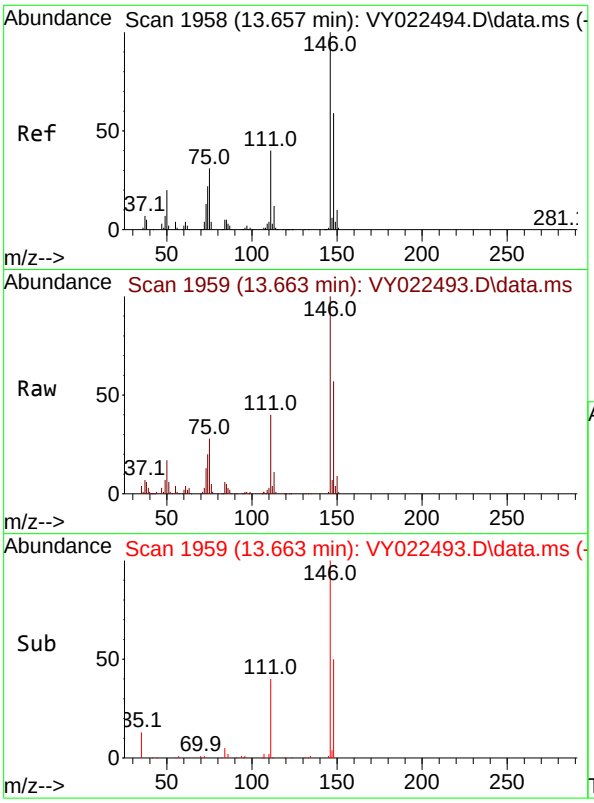


#90
Hexachloroethane
Concen: 20.316 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:117 Resp: 41119

Ion	Ratio	Lower	Upper
117	100		
201	67.9	34.0	102.0

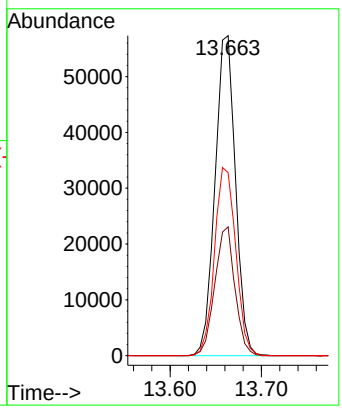




#91
1,2-Dichlorobenzene
Concen: 21.085 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:146 Resp: 8935

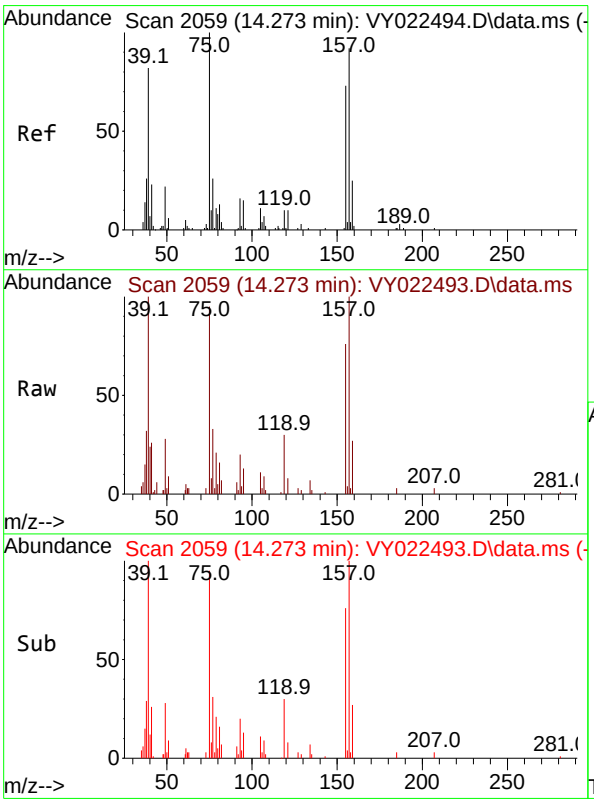
Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.2	60.6
148	60.9	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

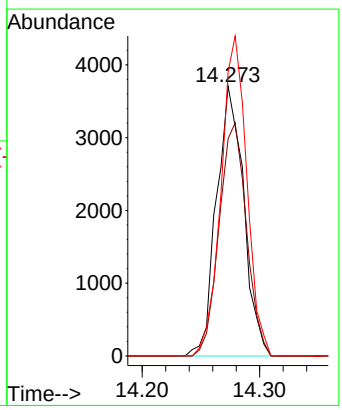
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

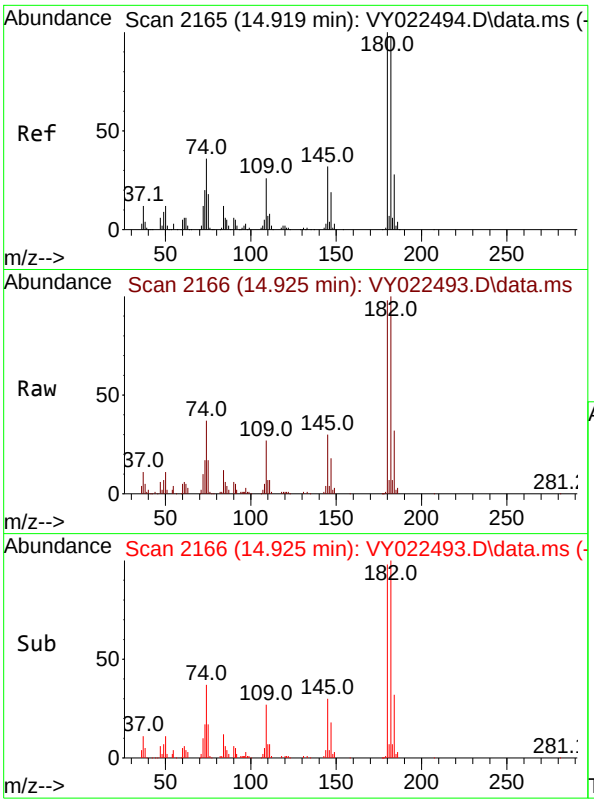


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.796 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 75 Resp: 5939

Ion	Ratio	Lower	Upper
75	100		
155	87.0	39.9	119.6
157	112.6	54.0	162.0

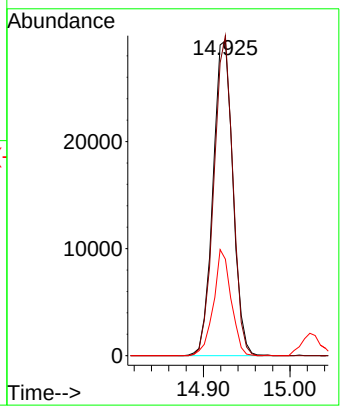




#93
1,2,4-Trichlorobenzene
Concen: 20.254 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:180 Resp: 4691

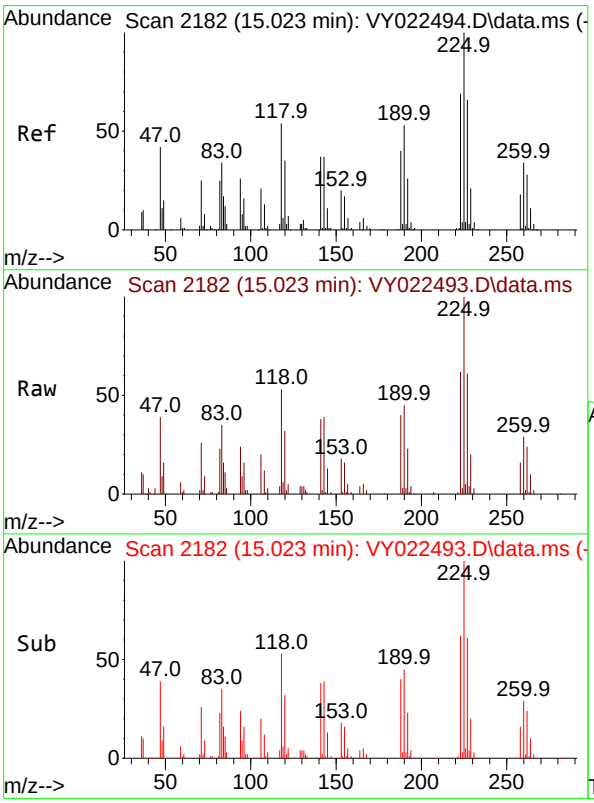
Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.4	145.3
145	29.8	15.5	46.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

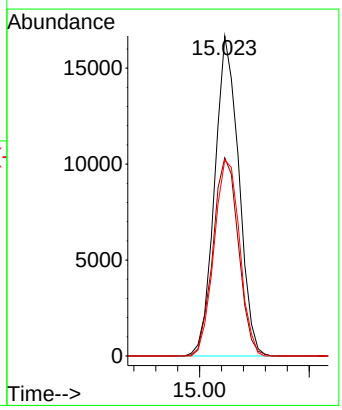
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

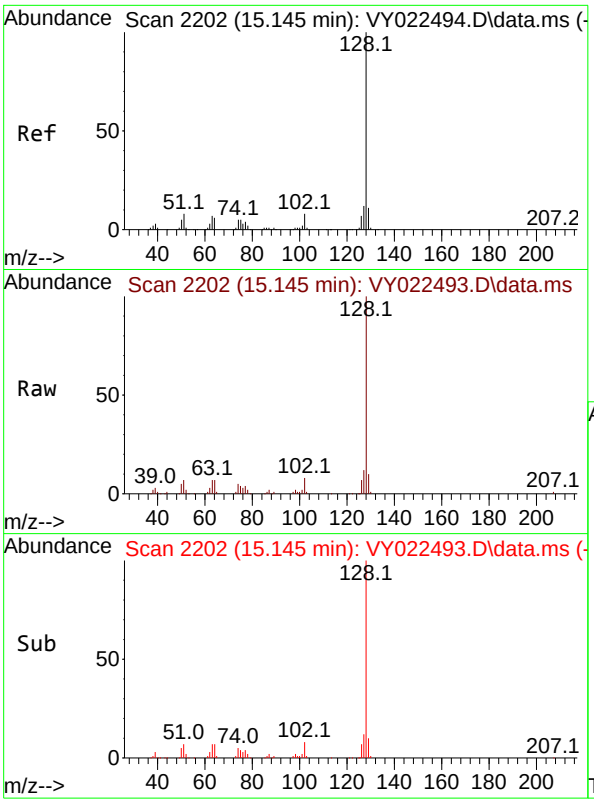


#94
Hexachlorobutadiene
Concen: 20.124 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:225 Resp: 25462

Ion	Ratio	Lower	Upper
225	100		
223	65.4	32.5	97.4
227	65.0	32.3	96.9

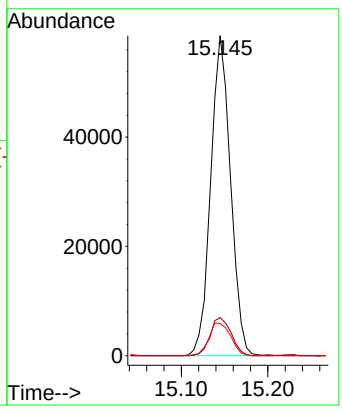




#95
Naphthalene
Concen: 20.994 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:128 Resp: 9320

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	11.1	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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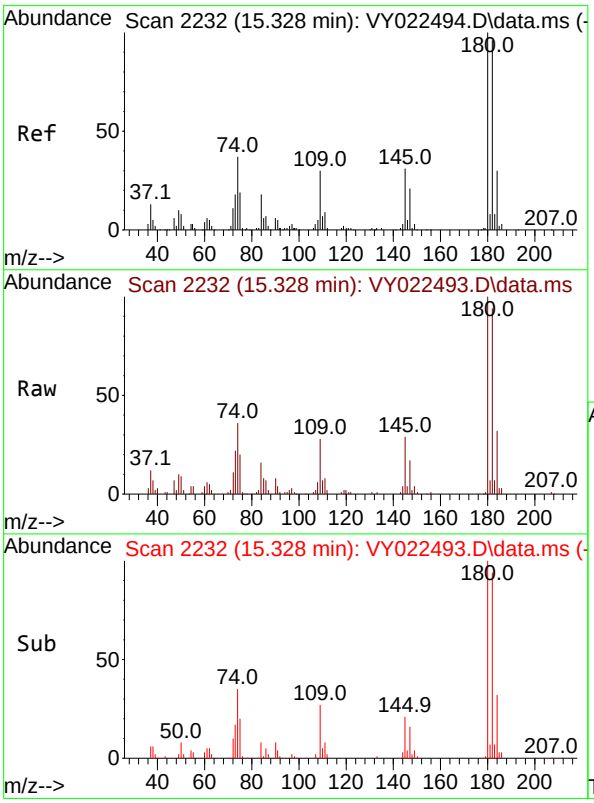
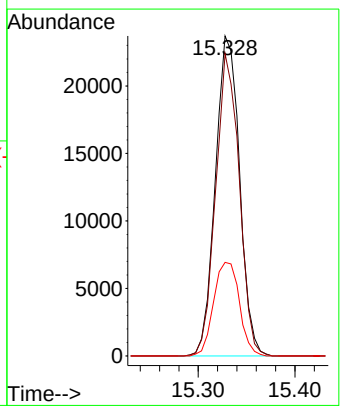
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.892 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:180 Resp: 41131

Ion	Ratio	Lower	Upper
180	100		
182	91.9	47.1	141.3
145	31.1	15.2	45.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	209963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	350947	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	298187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	139554	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	124098	54.320	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.640%			
35) Dibromofluoromethane	7.640	113	112624	54.514	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.020%			
50) Toluene-d8	10.109	98	448690	53.734	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.460%			
62) 4-Bromofluorobenzene	12.408	95	130393	51.503	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	86654	47.230	ug/l	100
3) Chloromethane	2.068	50	258324	47.727	ug/l	100
4) Vinyl Chloride	2.202	62	314332	49.618	ug/l	100
5) Bromomethane	2.598	94	260442	43.463	ug/l	100
6) Chloroethane	2.739	64	202595	46.711	ug/l	100
7) Trichlorofluoromethane	3.056	101	257006	47.749	ug/l	100
8) Diethyl Ether	3.464	74	61045	51.349	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	112910	50.009	ug/l	100
10) Methyl Iodide	4.007	142	135237	55.855	ug/l	100
11) Tert butyl alcohol	4.885	59	41304	253.096	ug/l	100
12) 1,1-Dichloroethene	3.800	96	108756	50.463	ug/l	100
13) Acrolein	3.659	56	50388	252.946	ug/l	100
14) Allyl chloride	4.391	41	169258	50.399	ug/l	100
15) Acrylonitrile	5.068	53	132018	261.075	ug/l	100
16) Acetone	3.879	43	121507	269.036	ug/l	100
17) Carbon Disulfide	4.110	76	349342	50.769	ug/l	100
18) Methyl Acetate	4.397	43	69815	51.384	ug/l	100
19) Methyl tert-butyl Ether	5.129	73	308578	51.316	ug/l	100
20) Methylene Chloride	4.623	84	120562	47.810	ug/l	100
21) trans-1,2-Dichloroethene	5.122	96	119917	49.807	ug/l	100
22) Diisopropyl ether	6.025	45	381760	51.120	ug/l	100
23) Vinyl Acetate	5.970	43	1137415	256.734	ug/l	100
24) 1,1-Dichloroethane	5.921	63	222533	50.410	ug/l	100
25) 2-Butanone	6.903	43	176185	264.461	ug/l	100
26) 2,2-Dichloropropane	6.890	77	198763	50.650	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	143210	51.463	ug/l	100
28) Bromochloromethane	7.250	49	95397	50.015	ug/l	100
29) Tetrahydrofuran	7.268	42	109698	255.247	ug/l	100
30) Chloroform	7.427	83	222226	50.944	ug/l	100
31) Cyclohexane	7.707	56	213031	47.951	ug/l	100
32) 1,1,1-Trichloroethane	7.622	97	199103	51.074	ug/l	100
36) 1,1-Dichloropropene	7.841	75	170708	51.116	ug/l	100
37) Ethyl Acetate	6.994	43	80426	54.721	ug/l	100
38) Carbon Tetrachloride	7.823	117	178292	51.787	ug/l	100
39) Methylcyclohexane	9.116	83	230536	51.100	ug/l	100
40) Benzene	8.085	78	505749	51.376	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41)	Methacrylonitrile	7.232	41	43865	46.342	ug/l		100
42)	1,2-Dichloroethane	8.165	62	136876	51.114	ug/l		100
43)	Isopropyl Acetate	8.201	43	167771	52.237	ug/l		100
44)	Trichloroethene	8.866	130	124670	51.843	ug/l		100
45)	1,2-Dichloropropane	9.146	63	120660	51.415	ug/l		100
46)	Dibromomethane	9.231	93	67690	51.485	ug/l		100
47)	Bromodichloromethane	9.427	83	172341	51.664	ug/l		100
48)	Methyl methacrylate	9.225	41	77885	52.963	ug/l		100
49)	1,4-Dioxane	9.244	88	15334	977.637	ug/l		100
51)	4-Methyl-2-Pentanone	10.000	43	425868	267.154	ug/l		100
52)	Toluene	10.176	92	316972	51.213	ug/l		100
53)	t-1,3-Dichloropropene	10.396	75	161859	52.450	ug/l		100
54)	cis-1,3-Dichloropropene	9.859	75	188559	52.108	ug/l		100
55)	1,1,2-Trichloroethane	10.573	97	84788	51.209	ug/l		100
56)	Ethyl methacrylate	10.445	69	127271	52.930	ug/l		100
57)	1,3-Dichloropropane	10.719	76	152809	51.821	ug/l		100
58)	2-Chloroethyl Vinyl ether	9.713	63	279669	260.896	ug/l		100
59)	2-Hexanone	10.762	43	283601	266.885	ug/l		100
60)	Dibromochloromethane	10.914	129	110314	52.582	ug/l		100
61)	1,2-Dibromoethane	11.018	107	78151	51.150	ug/l		100
64)	Tetrachloroethene	10.652	164	130171	51.367	ug/l		100
65)	Chlorobenzene	11.444	112	332645	51.447	ug/l		100
66)	1,1,1,2-Tetrachloroethane	11.518	131	112934	51.526	ug/l		100
67)	Ethyl Benzene	11.518	91	621031	51.577	ug/l		100
68)	m/p-Xylenes	11.633	106	468441	102.795	ug/l		100
69)	o-Xylene	11.957	106	218760	51.293	ug/l		100
70)	Styrene	11.969	104	367553	52.052	ug/l		100
71)	Bromoform	12.133	173	59888	51.996	ug/l	#	100
73)	Isopropylbenzene	12.255	105	577133	51.329	ug/l		100
74)	N-amyl acetate	12.072	43	149637	52.627	ug/l		100
75)	1,1,2,2-Tetrachloroethane	12.505	83	95218	52.145	ug/l		100
76)	1,2,3-Trichloropropane	12.554	75	87965m	47.747	ug/l		
77)	Bromobenzene	12.536	156	121092	50.812	ug/l		100
78)	n-propylbenzene	12.597	91	707143	51.667	ug/l		100
79)	2-Chlorotoluene	12.682	91	373402	51.670	ug/l		100
80)	1,3,5-Trimethylbenzene	12.737	105	455006	51.754	ug/l		100
81)	trans-1,4-Dichloro-2-b...	12.304	75	32630	50.780	ug/l		100
82)	4-Chlorotoluene	12.780	91	387296	51.710	ug/l		100
83)	tert-Butylbenzene	12.999	119	404519	50.438	ug/l		100
84)	1,2,4-Trimethylbenzene	13.042	105	449372	51.088	ug/l		100
85)	sec-Butylbenzene	13.176	105	623185	51.250	ug/l		100
86)	p-Isopropyltoluene	13.292	119	510026	51.018	ug/l		100
87)	1,3-Dichlorobenzene	13.292	146	241816	50.717	ug/l		100
88)	1,4-Dichlorobenzene	13.371	146	237429	51.108	ug/l		100
89)	n-Butylbenzene	13.621	91	493153	51.811	ug/l		100
90)	Hexachloroethane	13.883	117	99901	51.068	ug/l		100
91)	1,2-Dichlorobenzene	13.657	146	211065	51.528	ug/l		100
92)	1,2-Dibromo-3-Chloropr...	14.273	75	14697	53.244	ug/l		100
93)	1,2,4-Trichlorobenzene	14.919	180	114007	50.919	ug/l		100
94)	Hexachlorobutadiene	15.023	225	62434	51.054	ug/l		100
95)	Naphthalene	15.145	128	226073	52.686	ug/l		100
96)	1,2,3-Trichlorobenzene	15.328	180	97609	51.295	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 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

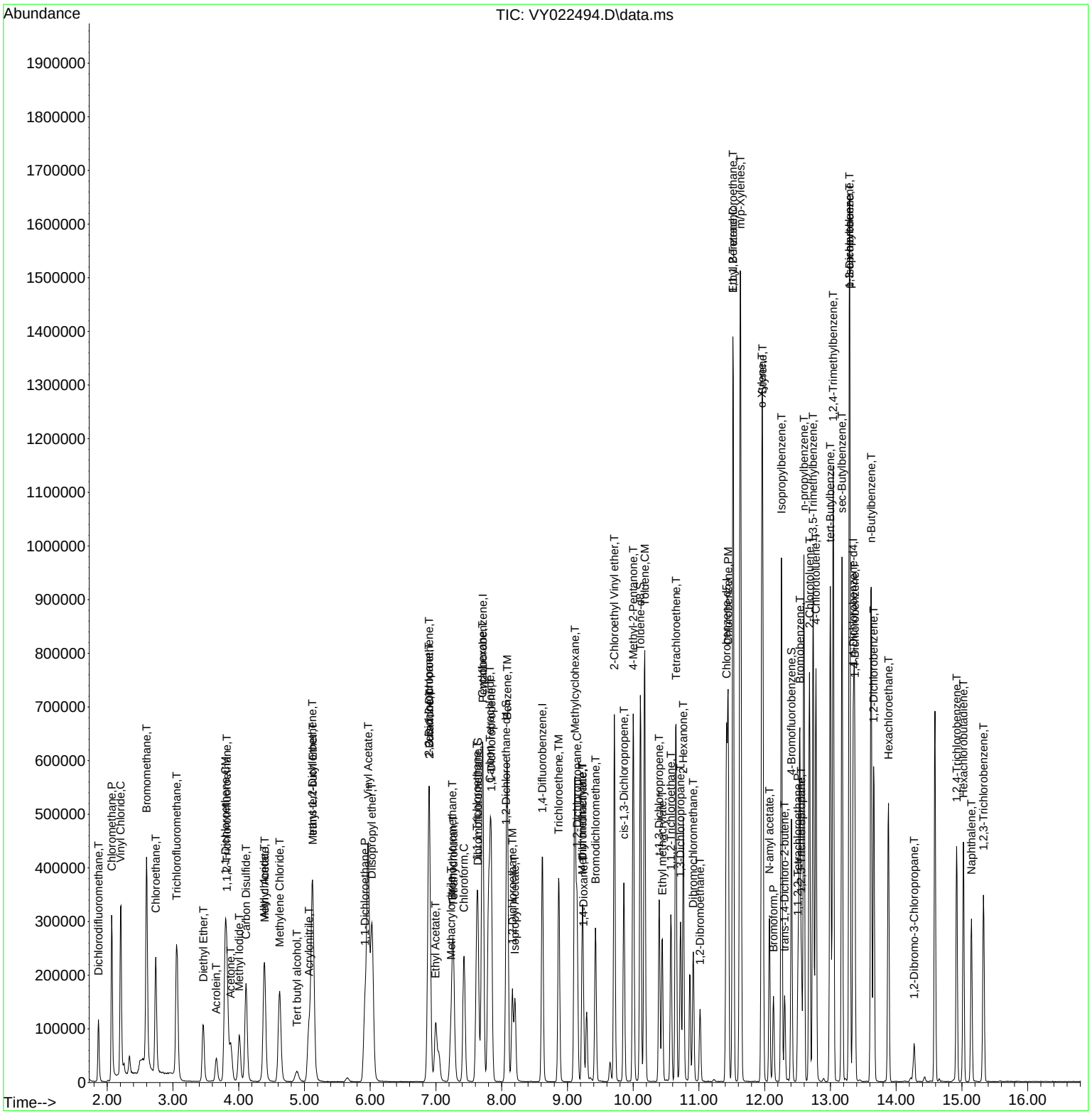
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

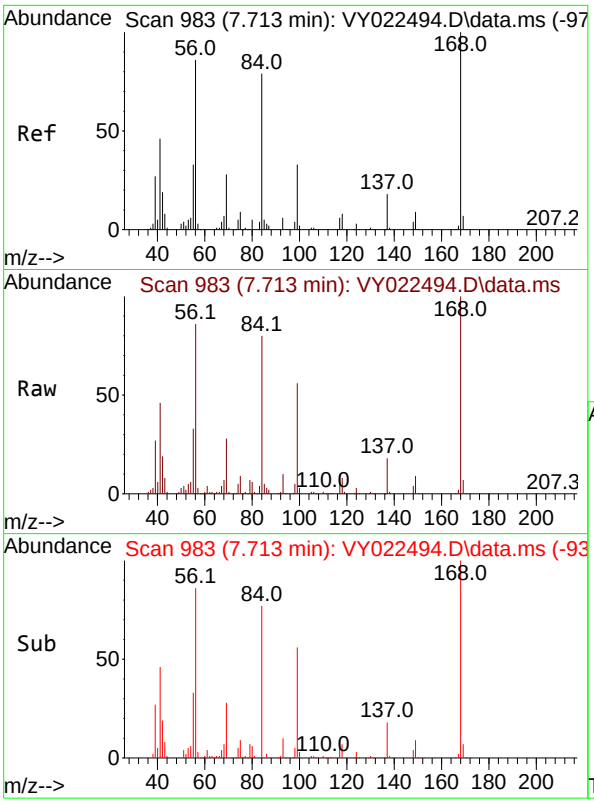
Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

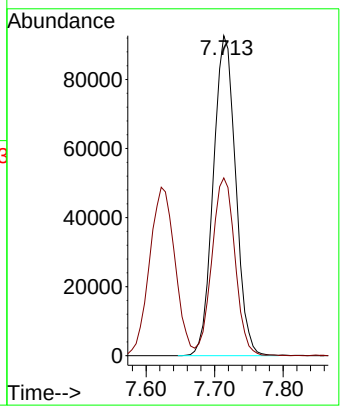




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:168 Resp: 20996

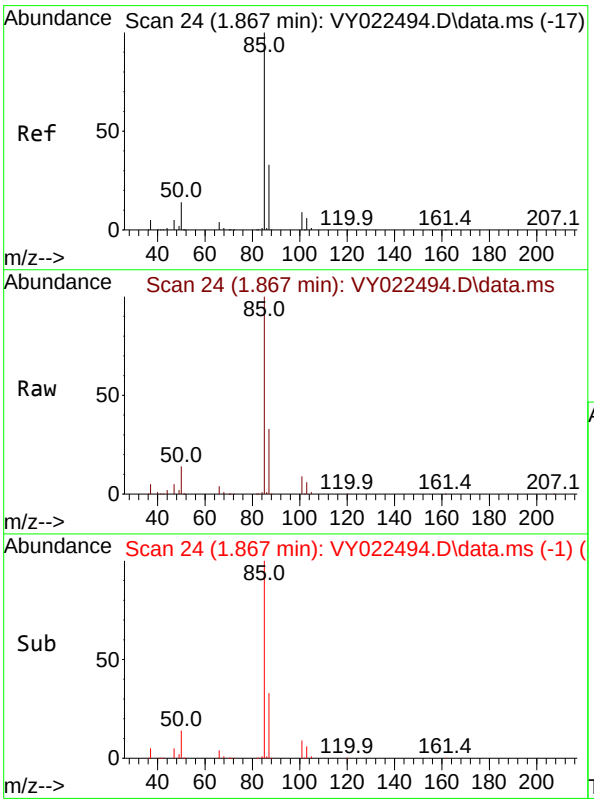
Ion	Ratio	Lower	Upper
168	100		
99	55.4	44.3	66.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

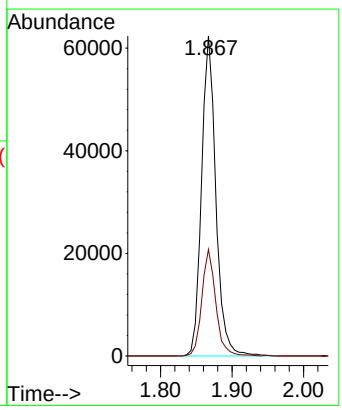
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

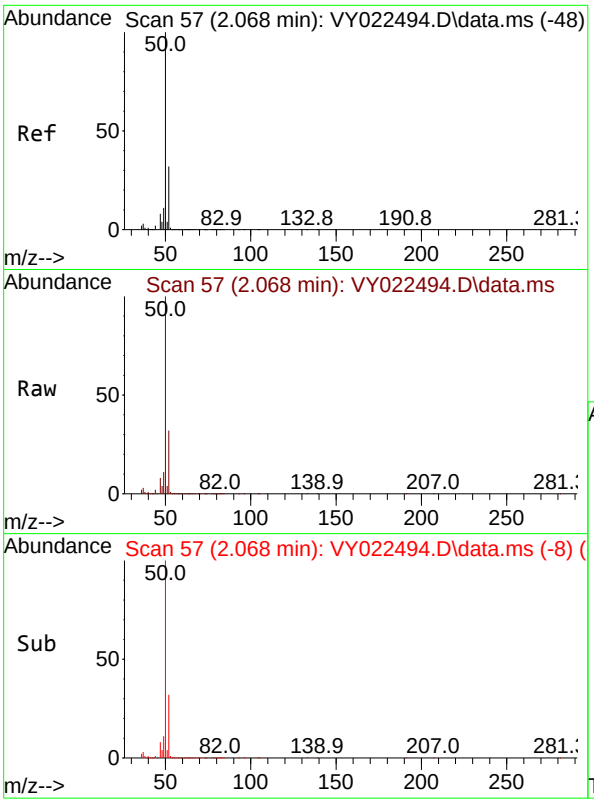


#2
Dichlorodifluoromethane
Concen: 47.230 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 85 Resp: 86654

Ion	Ratio	Lower	Upper
85	100		
87	33.3	16.7	50.0

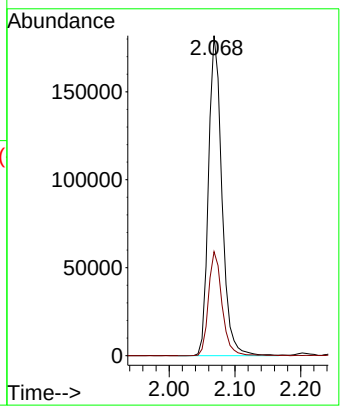




#3
Chloromethane
Concen: 47.727 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 50 Resp: 25832

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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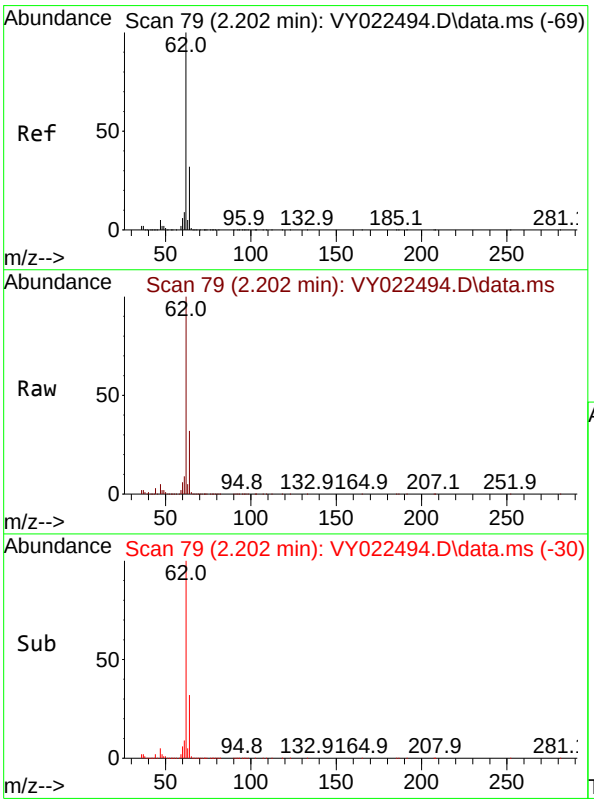
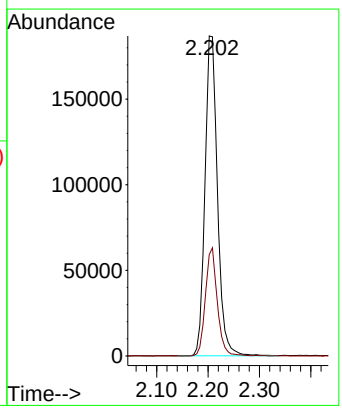
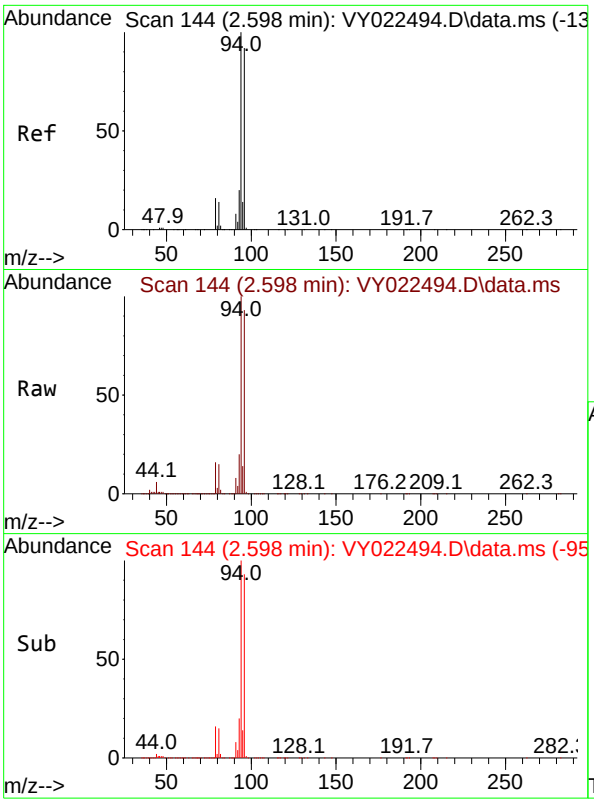


#4
Vinyl Chloride
Concen: 49.618 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 62 Resp: 314332

Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.3	37.9

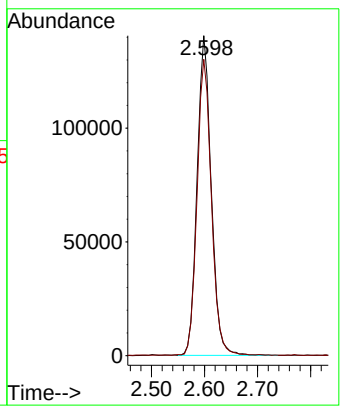




#5
Bromomethane
Concen: 43.463 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 94 Resp: 26044

Ion	Ratio	Lower	Upper
94	100		
96	92.5	74.0	111.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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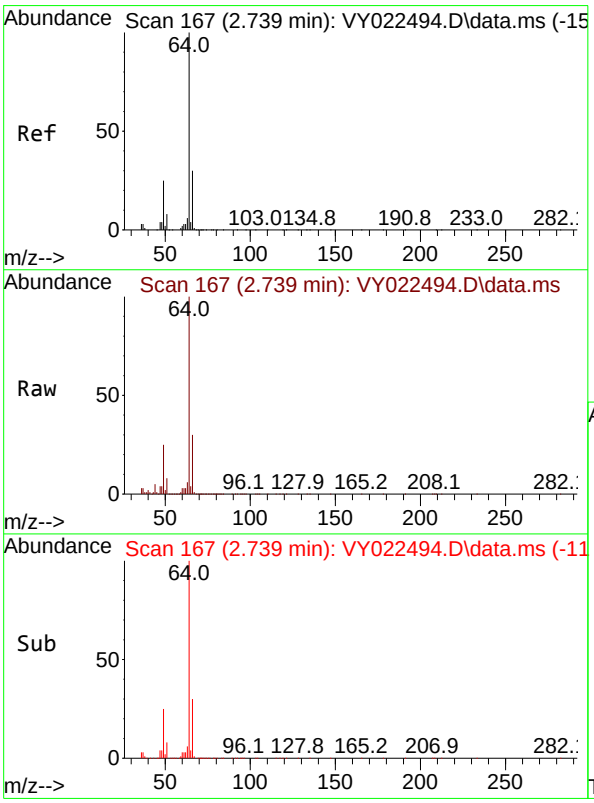
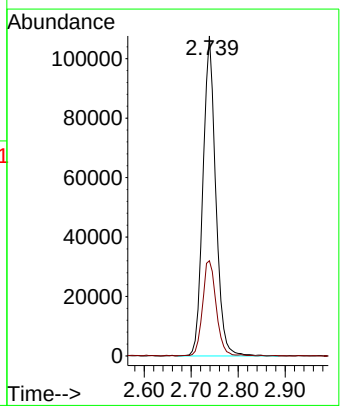
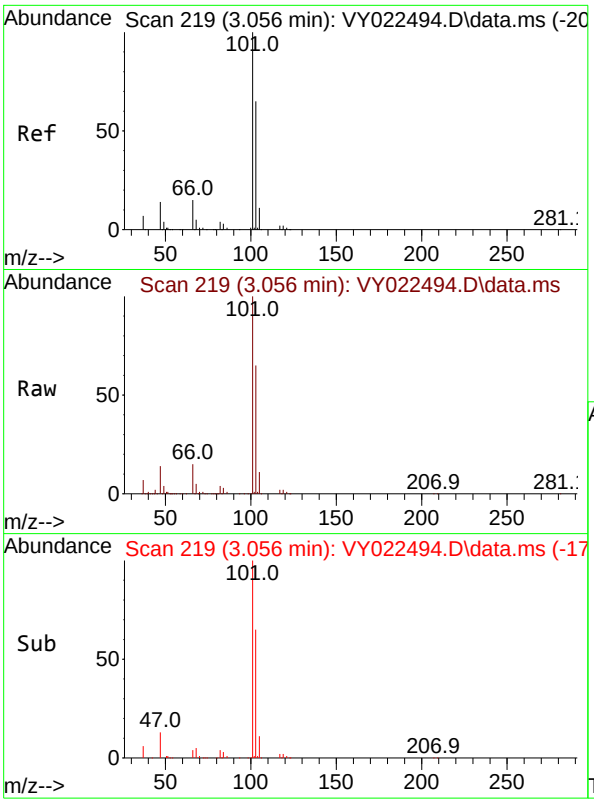


#6
Chloroethane
Concen: 46.711 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 64 Resp: 202595

Ion	Ratio	Lower	Upper
64	100		
66	29.7	23.8	35.6

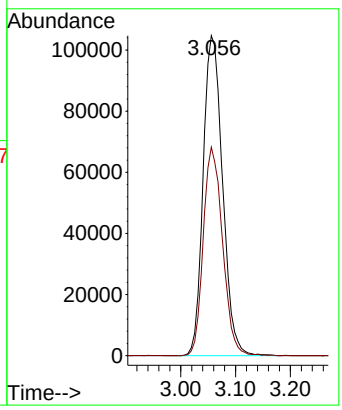




#7
Trichlorofluoromethane
Concen: 47.749 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:101 Resp: 25700

Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.2	78.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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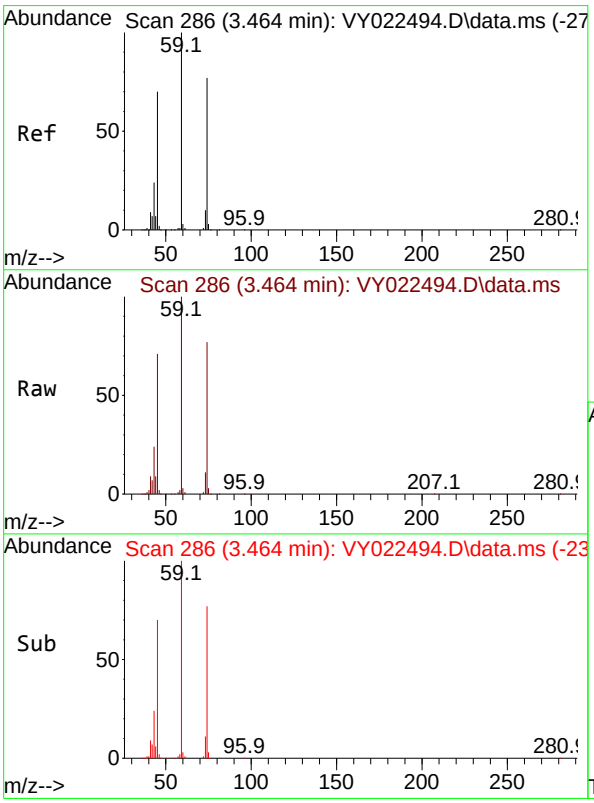
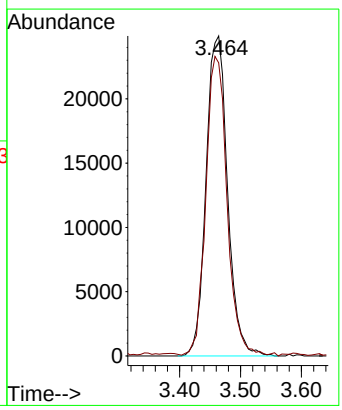
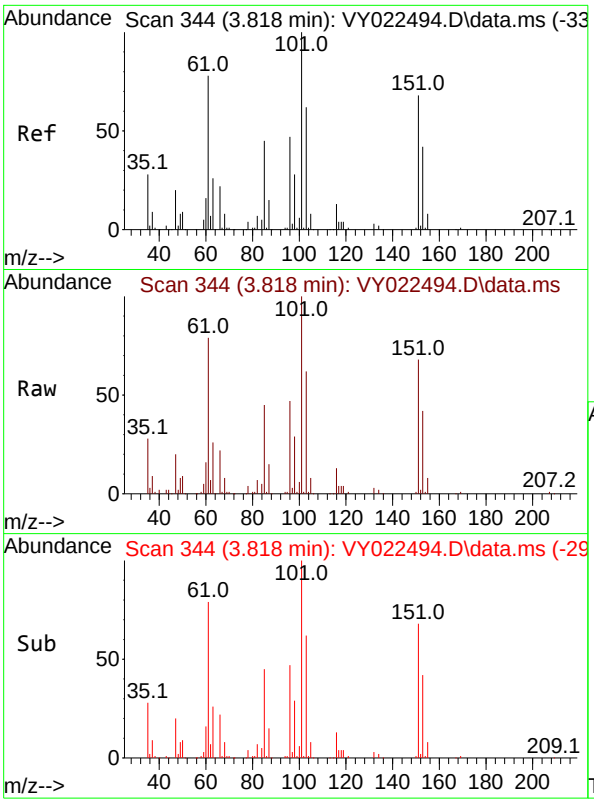


#8
Diethyl Ether
Concen: 51.349 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 74 Resp: 61045

Ion	Ratio	Lower	Upper
74	100		
45	91.7	45.9	137.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.009 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

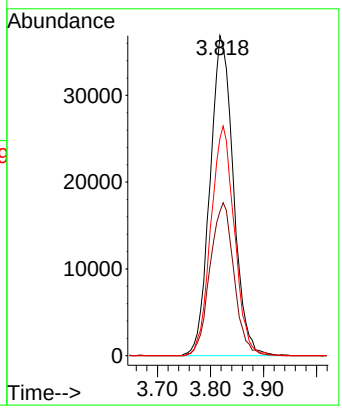
Tgt Ion:101 Resp: 11291

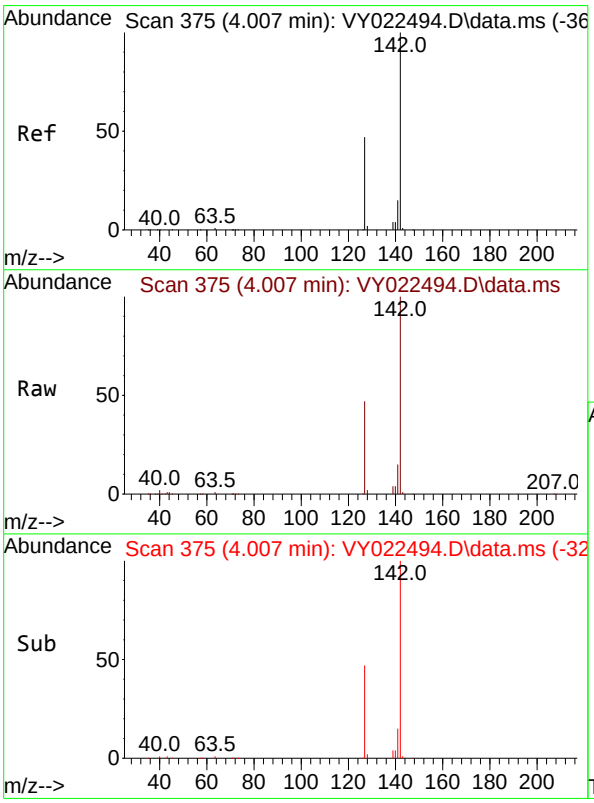
Ion	Ratio	Lower	Upper
101	100		
85	49.1	39.3	58.9
151	72.3	57.8	86.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

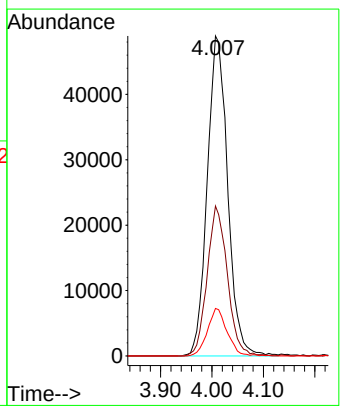


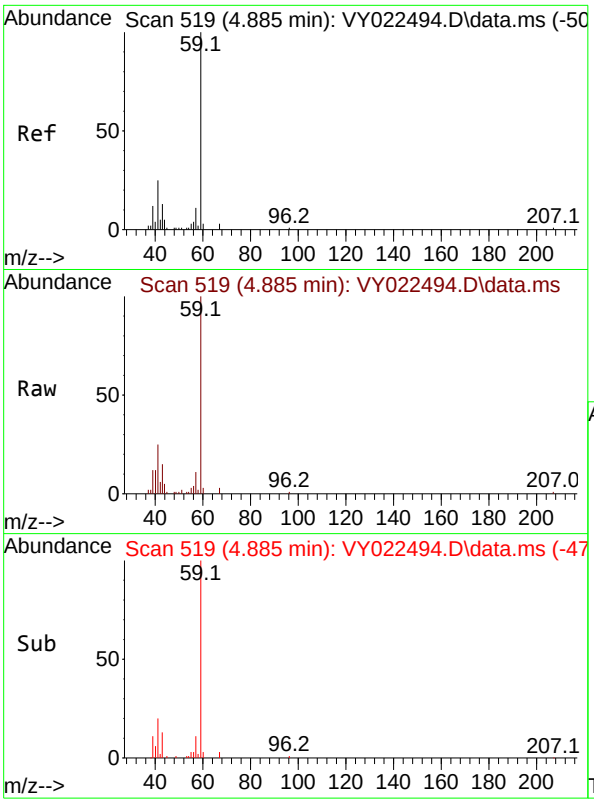


#10
Methyl Iodide
Concen: 55.855 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:142 Resp: 135237

Ion	Ratio	Lower	Upper
142	100		
127	46.4	37.1	55.7
141	14.3	11.4	17.2

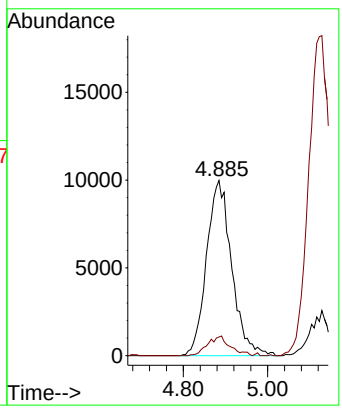




#11
Tert butyl alcohol
Concen: 253.096 ug/l
RT: 4.885 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 59 Resp: 4130

Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.0	12.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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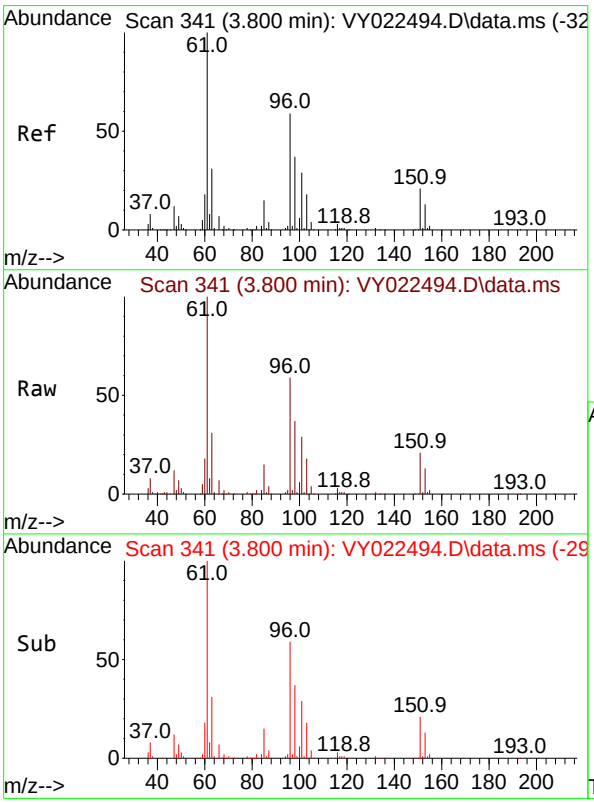
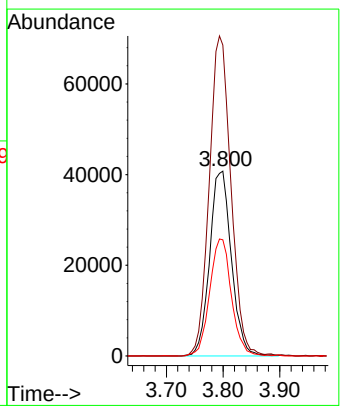
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

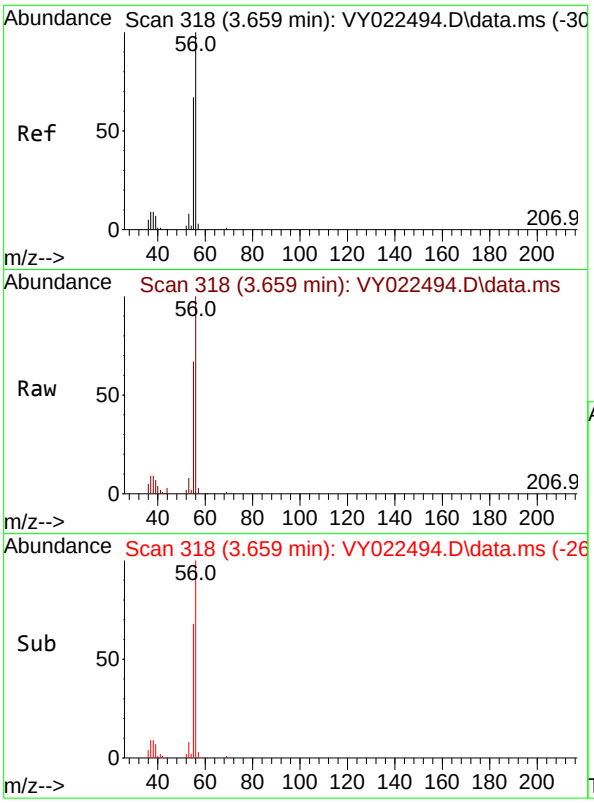


#12
1,1-Dichloroethene
Concen: 50.463 ug/l
RT: 3.800 min Scan# 341
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 96 Resp: 108756

Ion	Ratio	Lower	Upper
96	100		
61	168.2	134.6	201.8
98	62.8	50.2	75.4

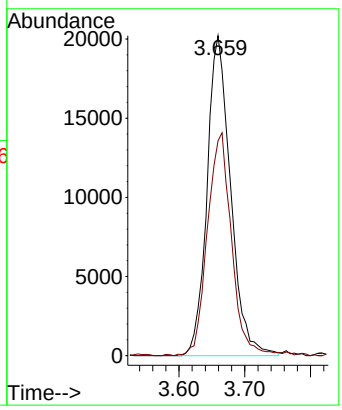




#13
Acrolein
Concen: 252.946 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 56 Resp: 5038

Ion	Ratio	Lower	Upper
56	100		
55	71.3	57.0	85.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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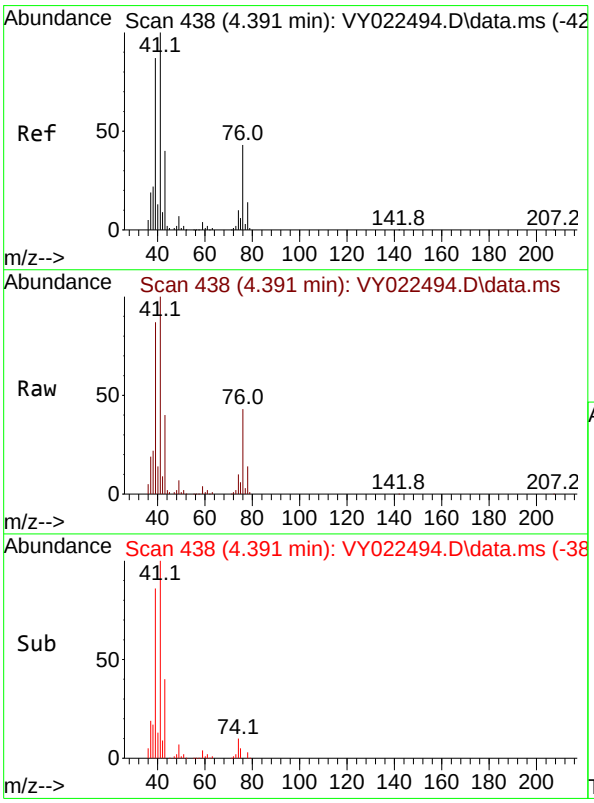
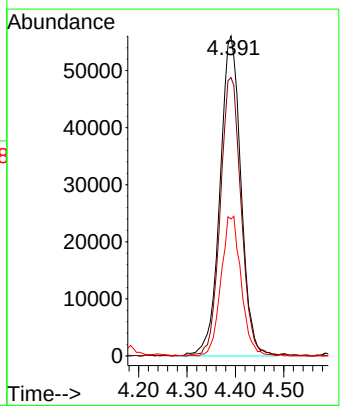
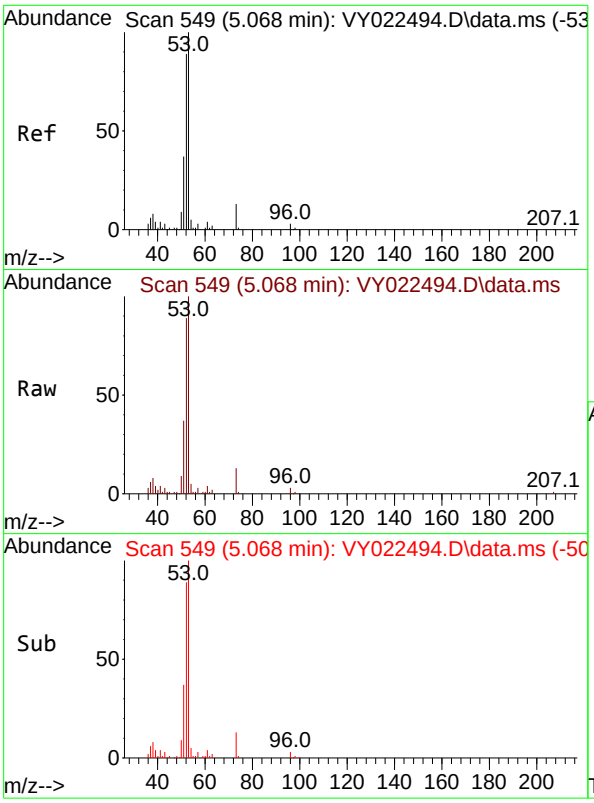


#14
Allyl chloride
Concen: 50.399 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 41 Resp: 169258

Ion	Ratio	Lower	Upper
41	100		
39	86.4	69.1	103.7
76	41.9	33.5	50.3

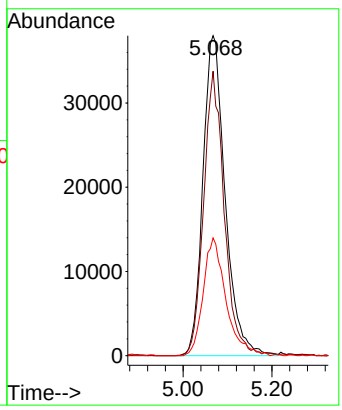




#15
Acrylonitrile
Concen: 261.075 ug/l
RT: 5.068 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 53 Resp: 13201

Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.7	98.5
51	37.6	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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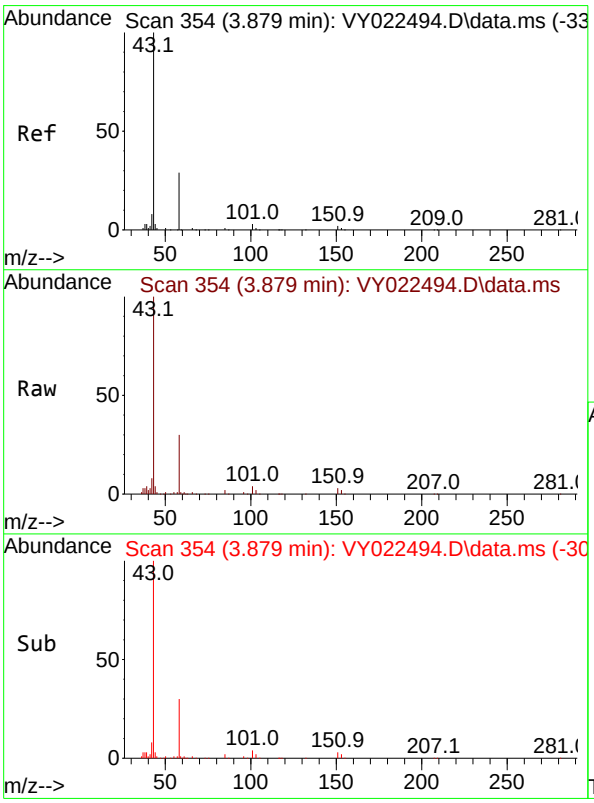
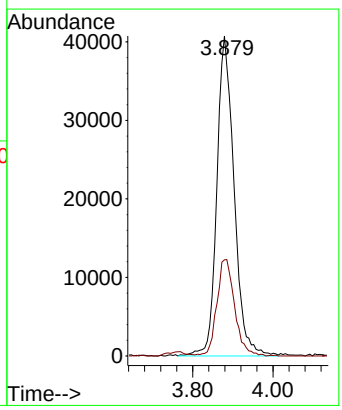
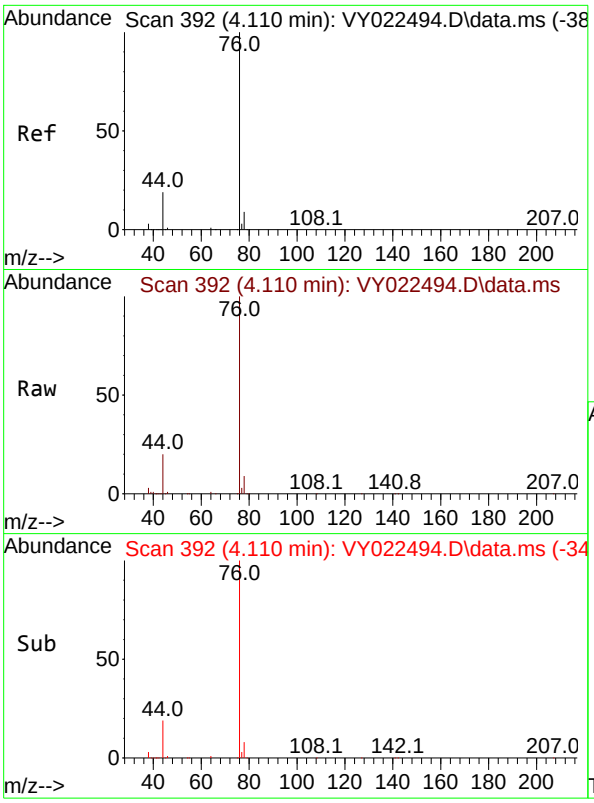


#16
Acetone
Concen: 269.036 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 121507

Ion	Ratio	Lower	Upper
43	100		
58	30.0	24.0	36.0

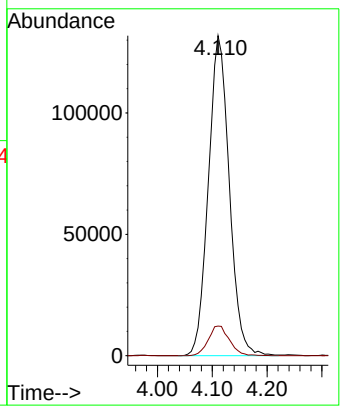




#17
Carbon Disulfide
Concen: 50.769 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 76 Resp: 34934

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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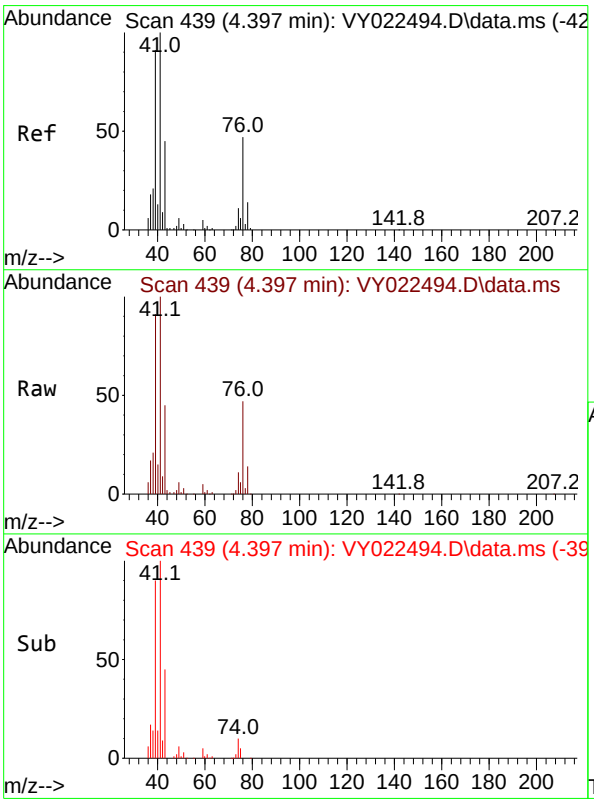
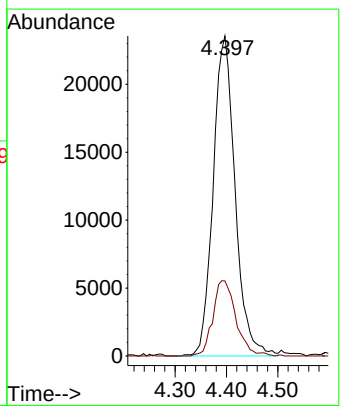
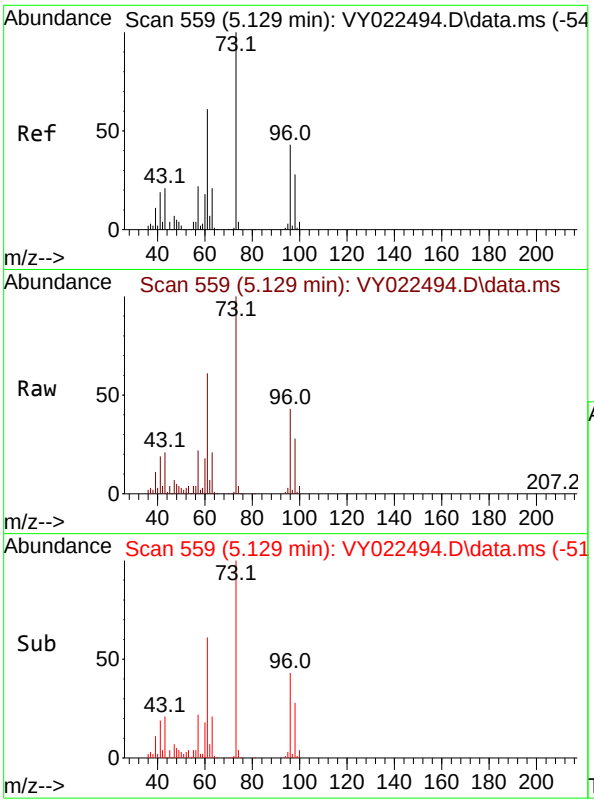


#18
Methyl Acetate
Concen: 51.384 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 69815

Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.8	29.6

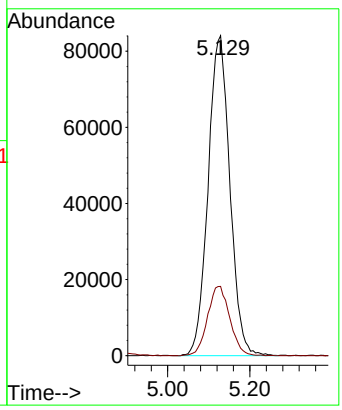




#19
Methyl tert-butyl Ether
Concen: 51.316 ug/l
RT: 5.129 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 73 Resp: 30857

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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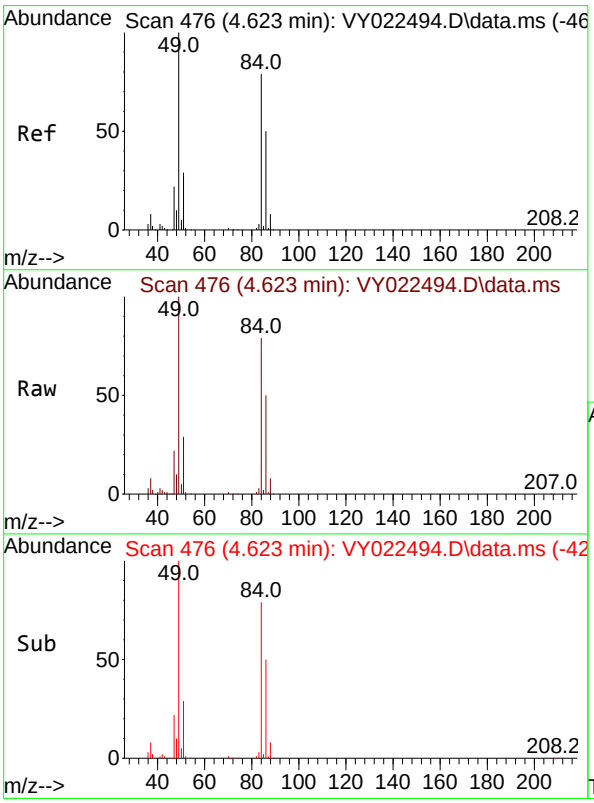
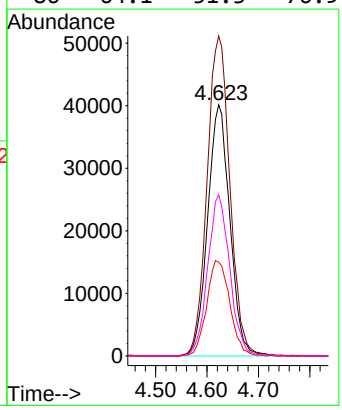
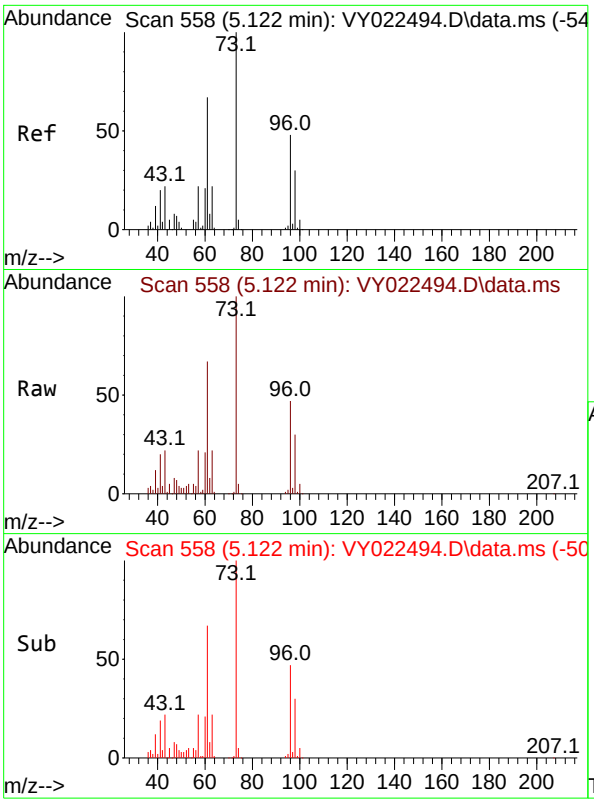


#20
Methylene Chloride
Concen: 47.810 ug/l
RT: 4.623 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 84 Resp: 120562

Ion	Ratio	Lower	Upper
84	100		
49	127.4	101.9	152.9
51	37.3	29.8	44.8
86	64.1	51.3	76.9





#21
trans-1,2-Dichloroethene
Concen: 49.807 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 96 Resp: 11991

Ion	Ratio	Lower	Upper
96	100		
61	140.8	112.6	169.0
98	63.2	50.6	75.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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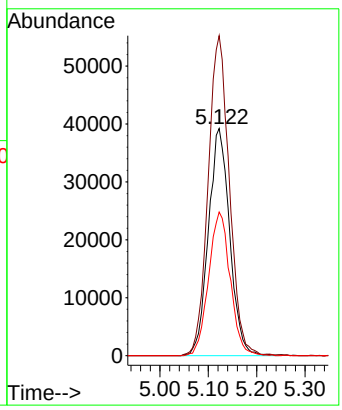
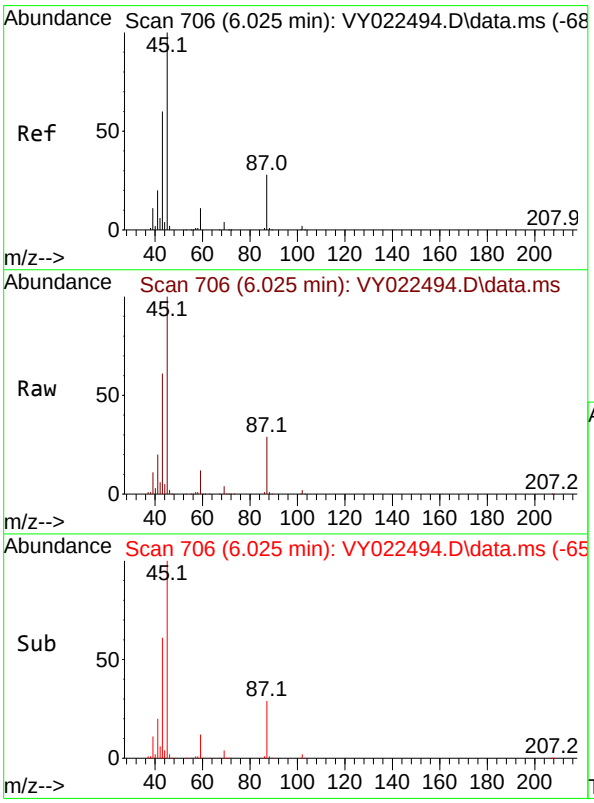
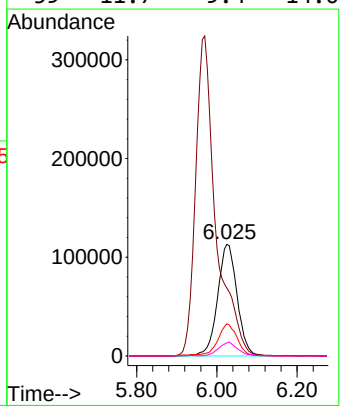


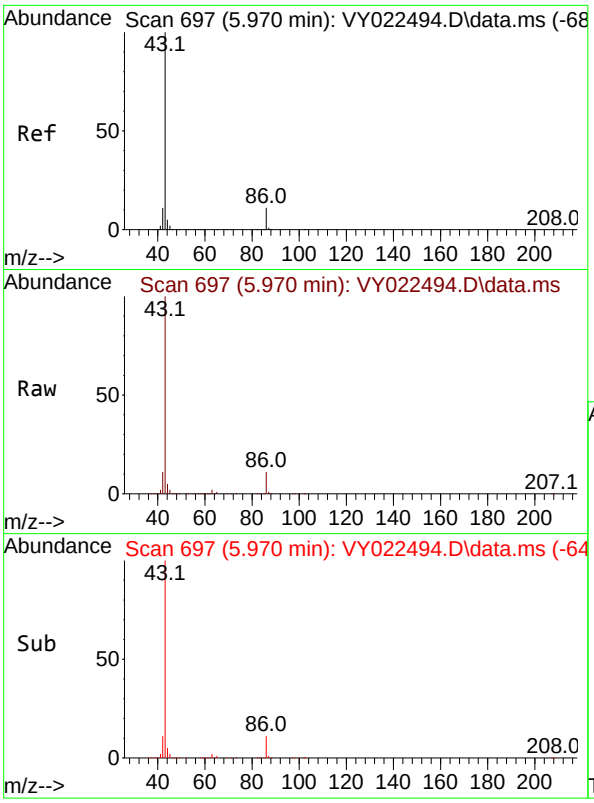


#22
Diisopropyl ether
Concen: 51.120 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 45 Resp: 381760

Ion	Ratio	Lower	Upper
45	100		
43	60.4	48.3	72.5
87	28.8	23.0	34.6
59	11.7	9.4	14.0





#23
Vinyl Acetate
Concen: 256.734 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 113741

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.6	12.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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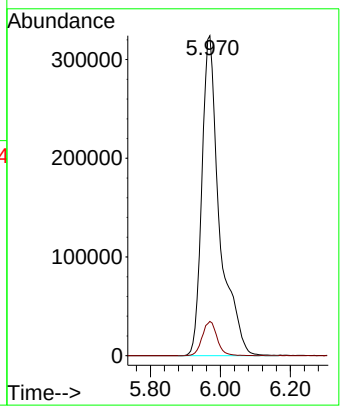
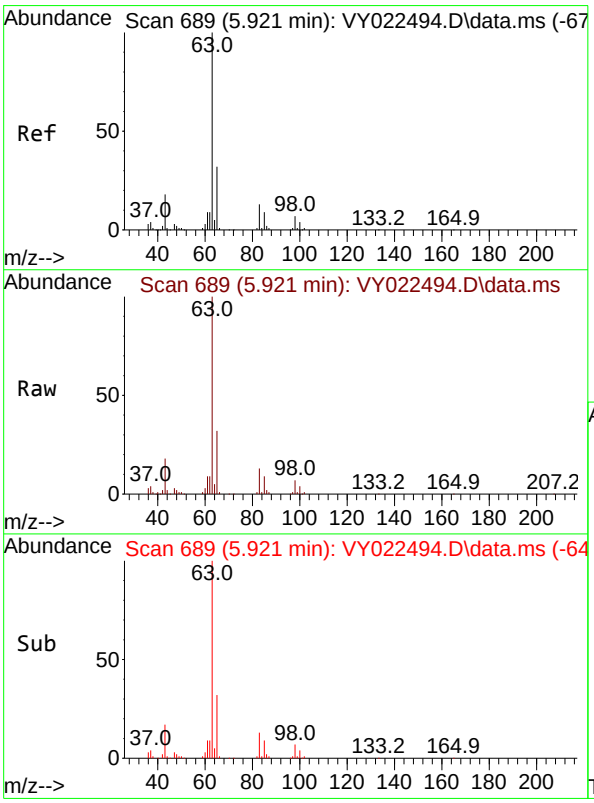
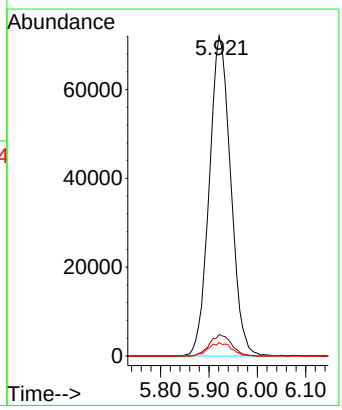


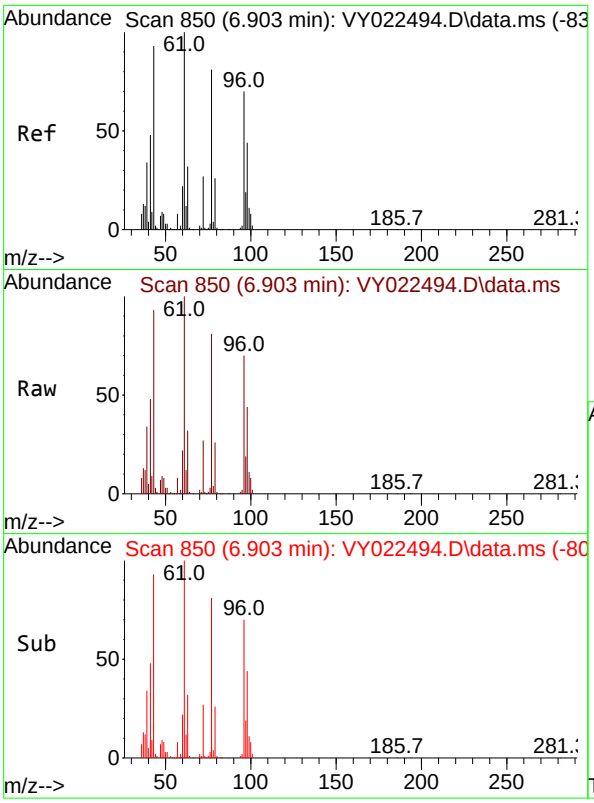


#24
1,1-Dichloroethane
Concen: 50.410 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 63 Resp: 222533

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.1
100	4.2	2.1	6.3

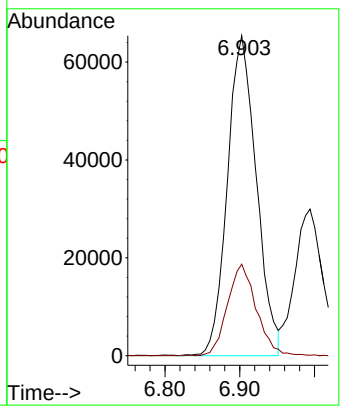




#25
2-Butanone
Concen: 264.461 ug/l
RT: 6.903 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 17618

Ion	Ratio	Lower	Upper
43	100		
72	28.6	22.9	34.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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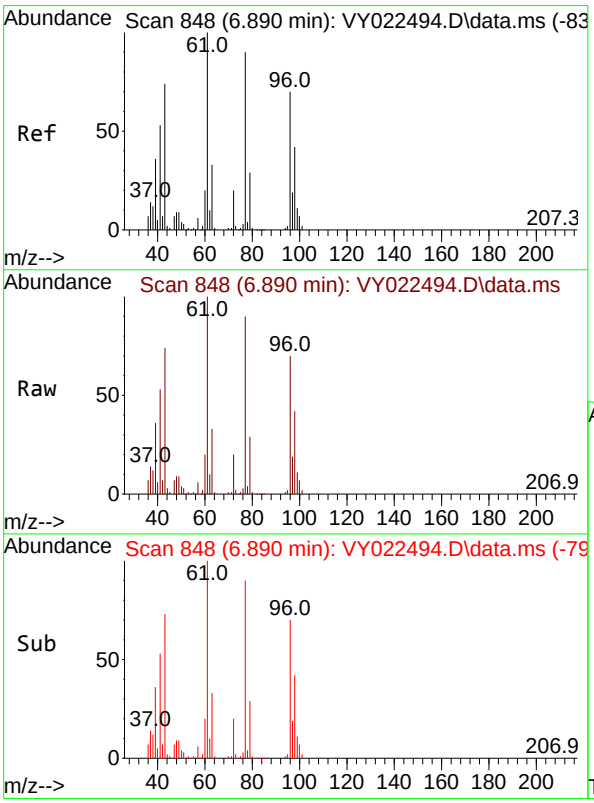
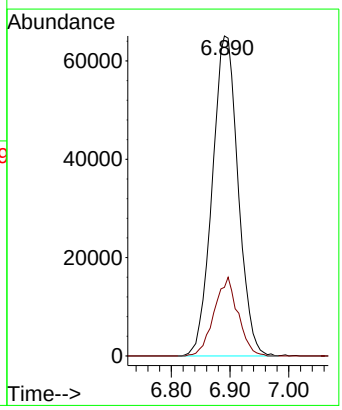
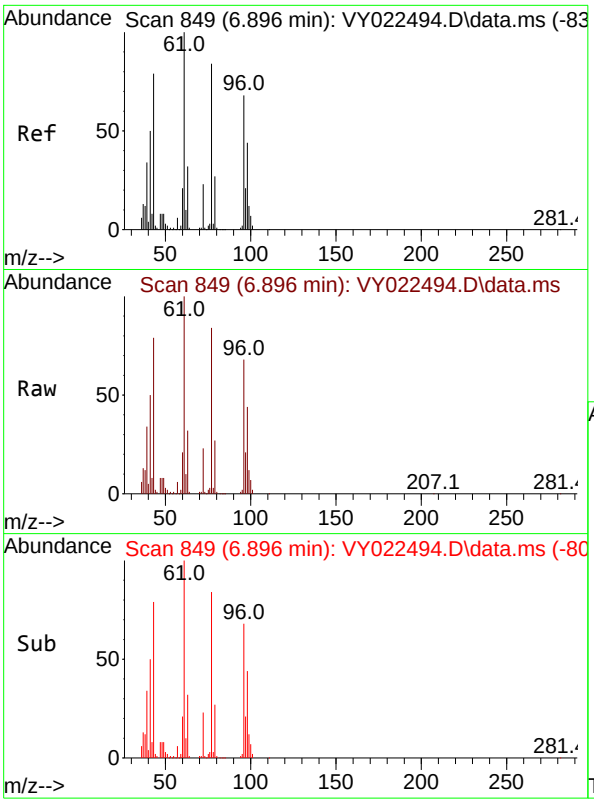


#26
2,2-Dichloropropane
Concen: 50.650 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 77 Resp: 198763

Ion	Ratio	Lower	Upper
77	100		
97	22.8	11.4	34.2





#27
cis-1,2-Dichloroethene
Concen: 51.463 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 96 Resp: 14321

Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	290.0
98	64.2	0.0	128.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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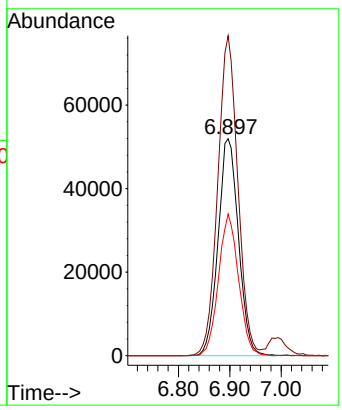
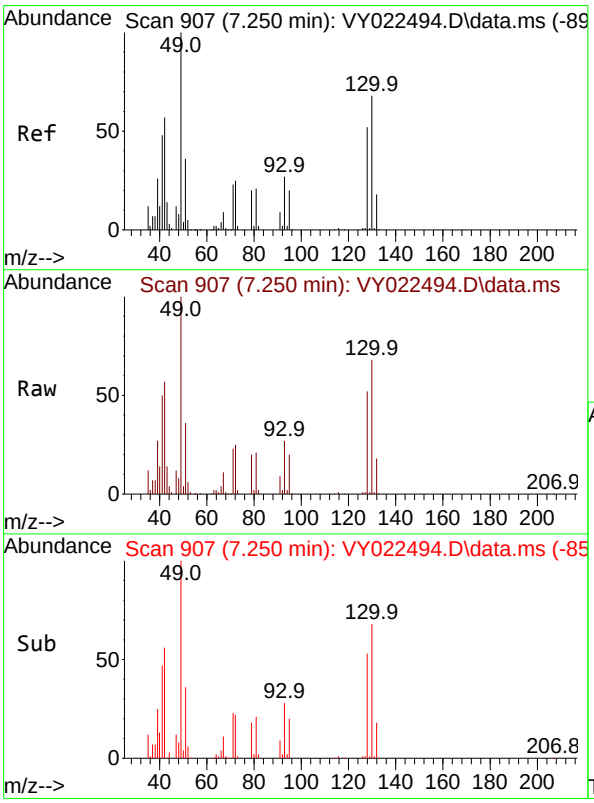
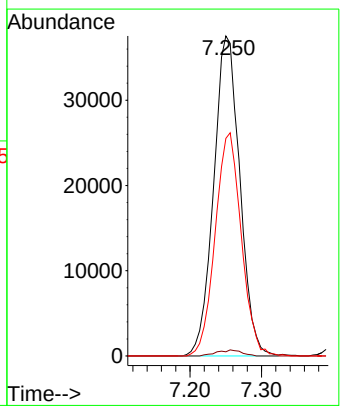


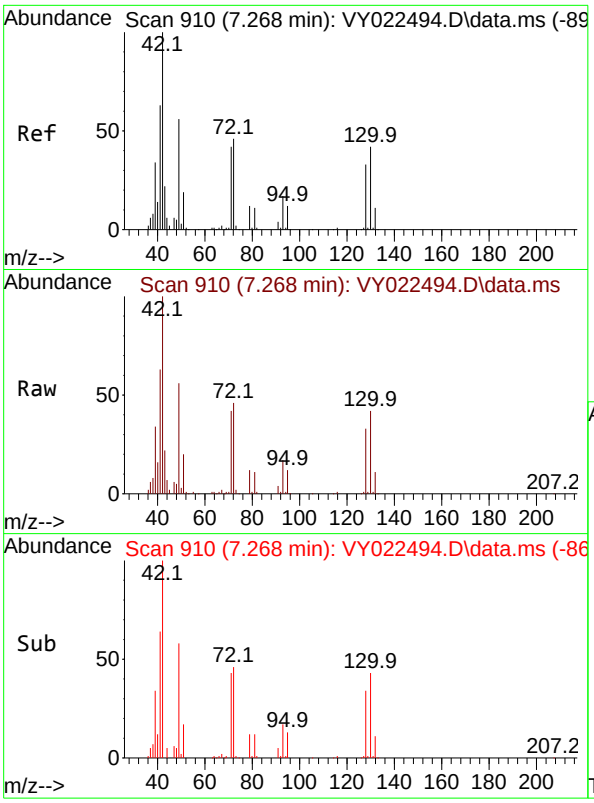


#28
Bromochloromethane
Concen: 50.015 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 49 Resp: 95397

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	69.6	55.7	83.5

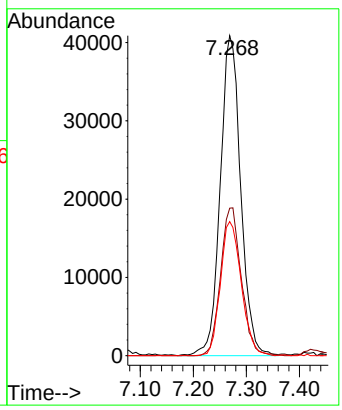




#29
Tetrahydrofuran
Concen: 255.247 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 42 Resp: 10969

Ion	Ratio	Lower	Upper
42	100		
72	46.8	37.4	56.2
71	42.7	34.2	51.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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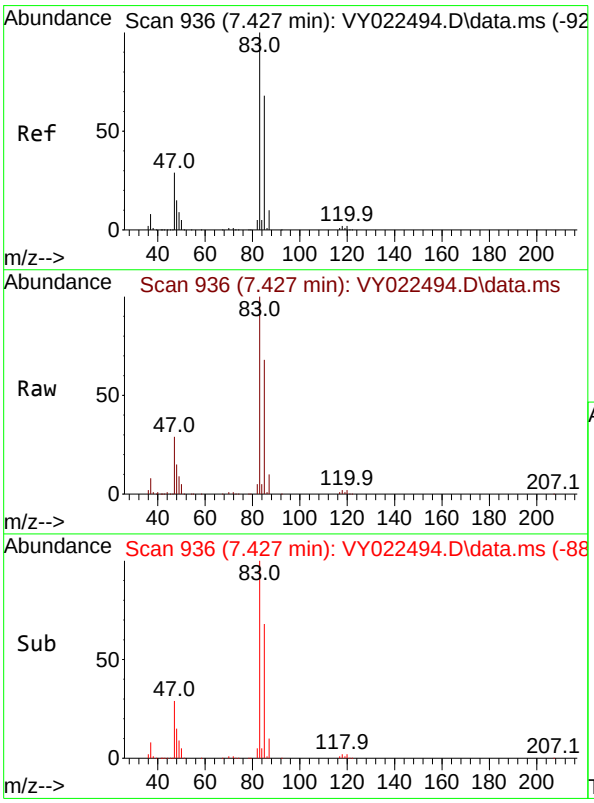
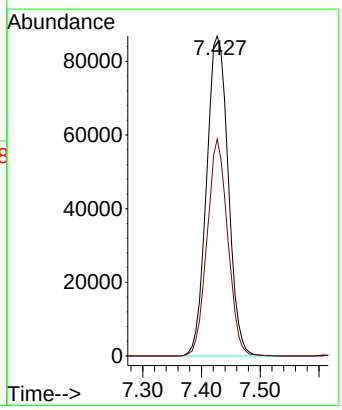
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

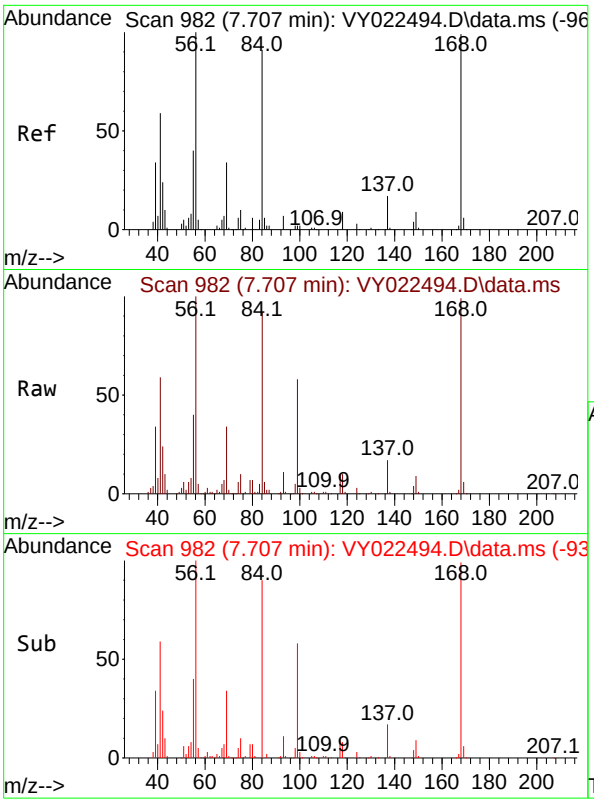


#30
Chloroform
Concen: 50.944 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 83 Resp: 222226

Ion	Ratio	Lower	Upper
83	100		
85	67.8	54.2	81.4

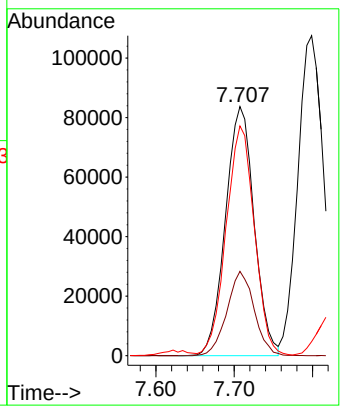




#31
Cyclohexane
Concen: 47.951 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 56 Resp: 21303

Ion	Ratio	Lower	Upper
56	100		
69	33.8	27.0	40.6
84	90.8	72.6	109.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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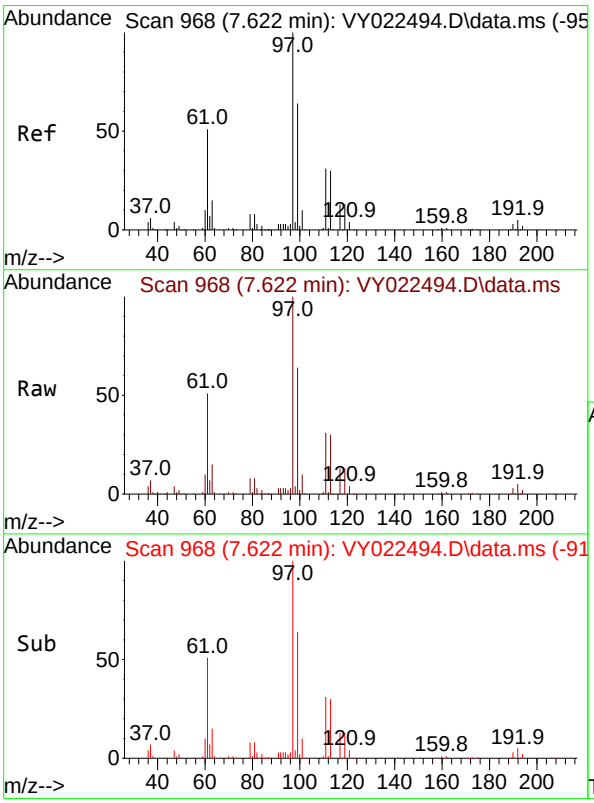
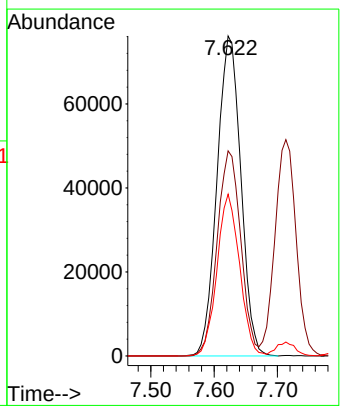
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

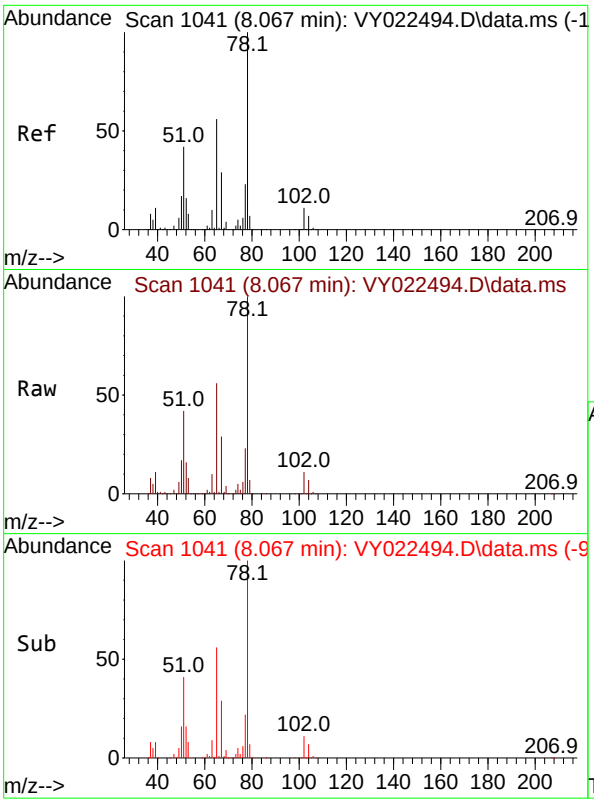


#32
1,1,1-Trichloroethane
Concen: 51.074 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 97 Resp: 199103

Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.9	76.3
61	48.1	38.5	57.7

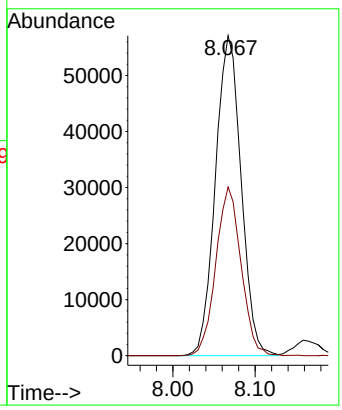




#33
1,2-Dichloroethane-d4
Concen: 54.320 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 65 Resp: 12409

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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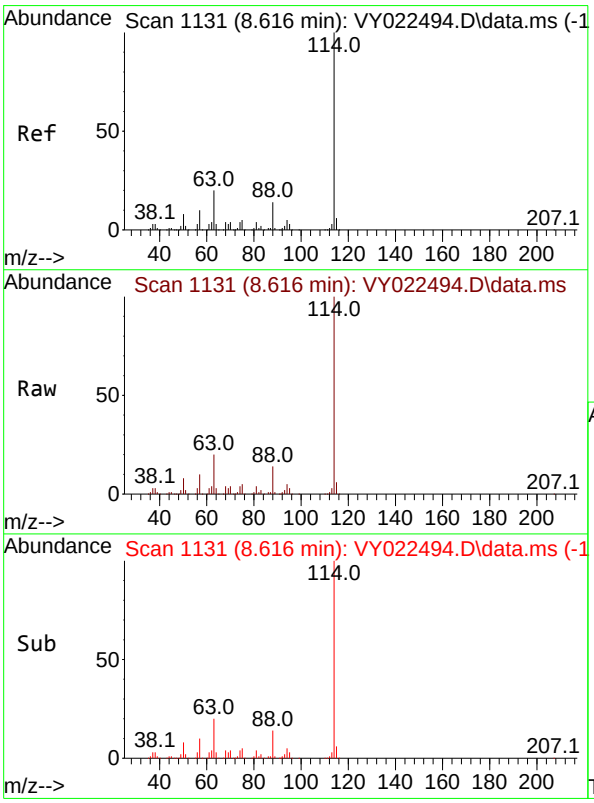
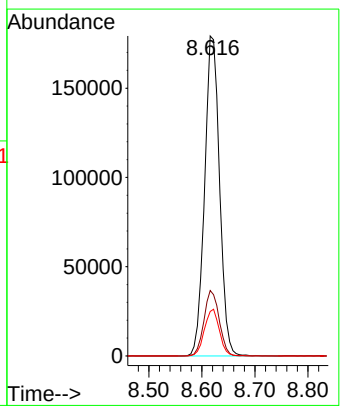
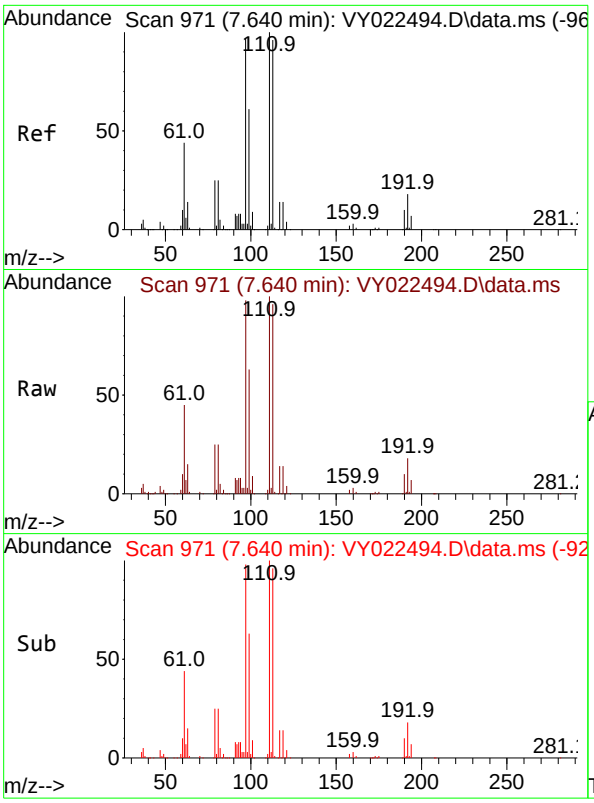


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:114 Resp: 350947

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	13.9	0.0	27.8





#35
Dibromofluoromethane
Concen: 54.514 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:113 Resp: 11262

Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.1	121.7
192	17.7	14.2	21.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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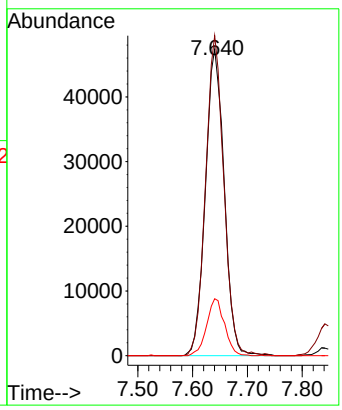
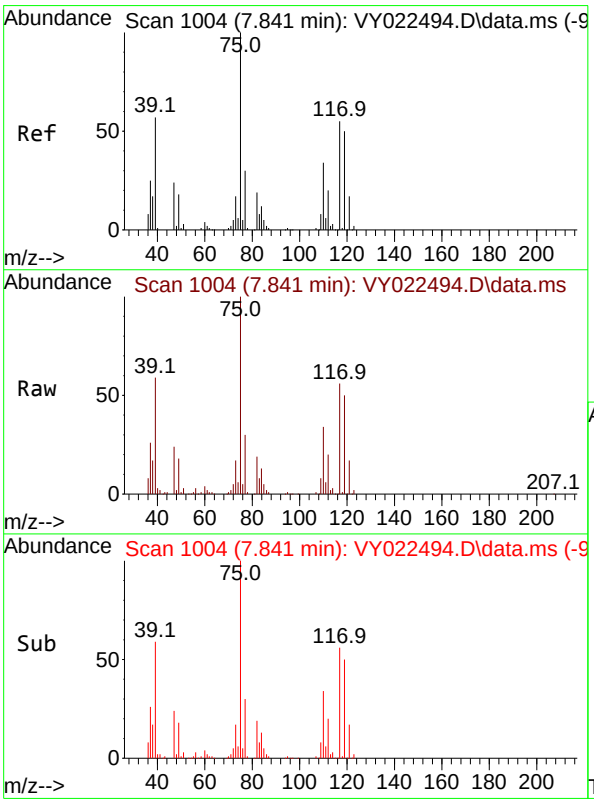
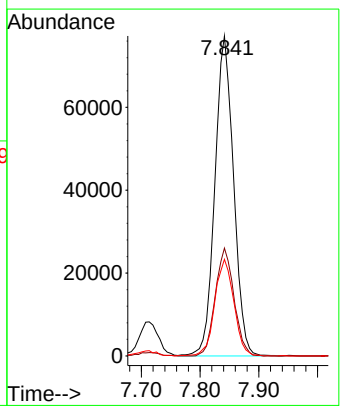


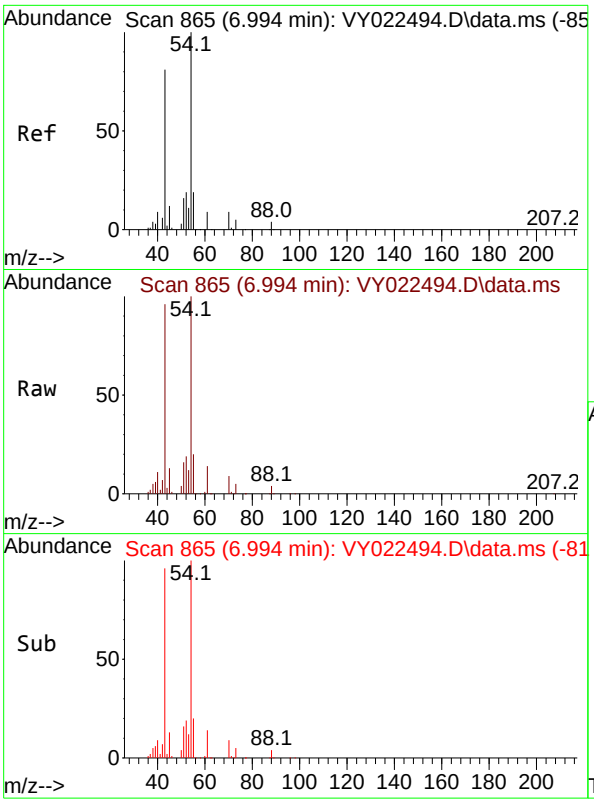


#36
1,1-Dichloropropene
Concen: 51.116 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 75 Resp: 170708

Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.9	50.7
77	31.0	24.8	37.2





#37
Ethyl Acetate
Concen: 54.721 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 8042

Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.5	17.3
70	9.0	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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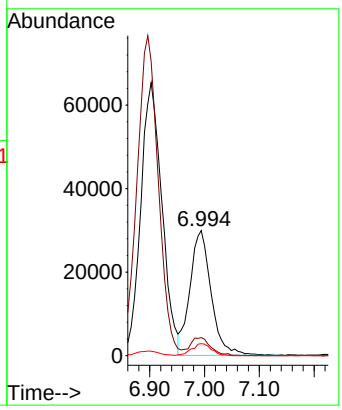
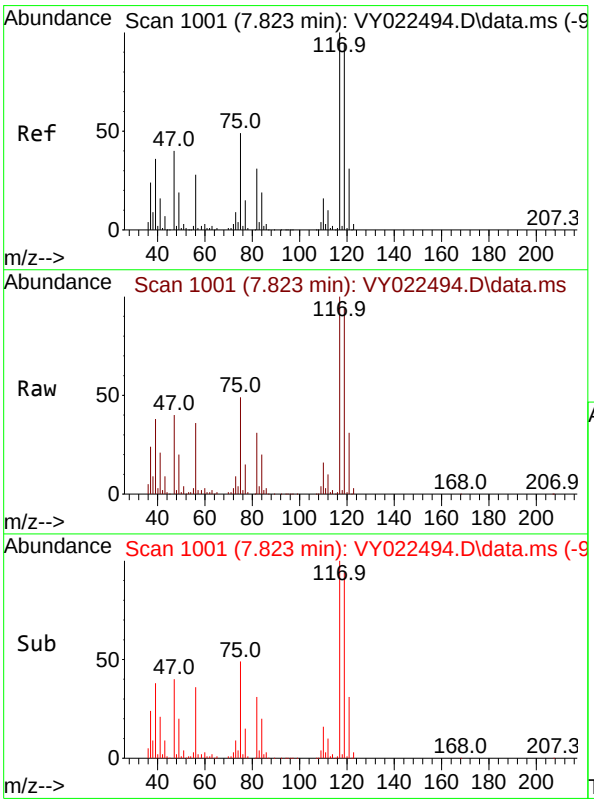
Supervised By :Mahesh Dadoda 06/03/2025

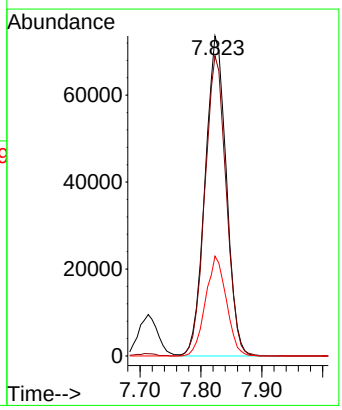


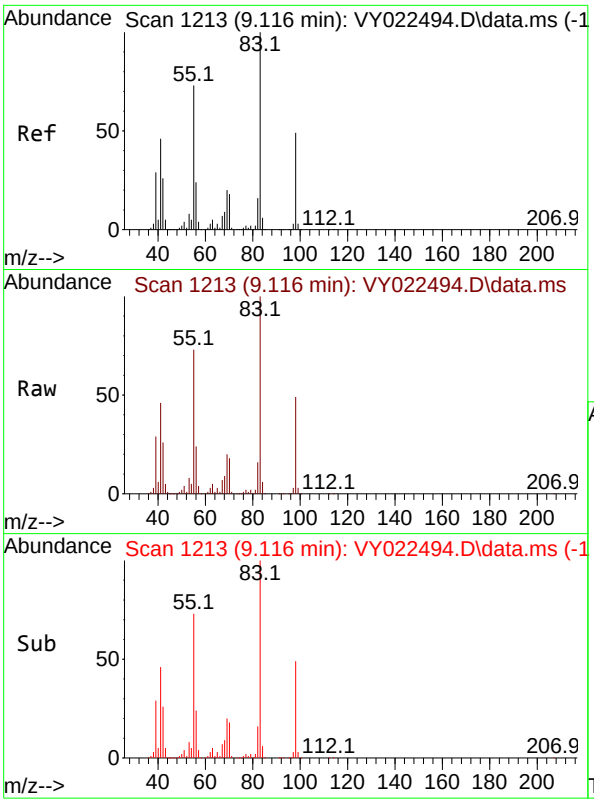


#38
Carbon Tetrachloride
Concen: 51.787 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:117 Resp: 178292

Ion	Ratio	Lower	Upper
117	100		
119	93.8	75.0	112.6
121	31.2	25.0	37.4





#39
Methylcyclohexane
Concen: 51.100 ug/l
RT: 9.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 83 Resp: 23053

Ion	Ratio	Lower	Upper
83	100		
55	72.6	58.1	87.1
98	48.8	39.0	58.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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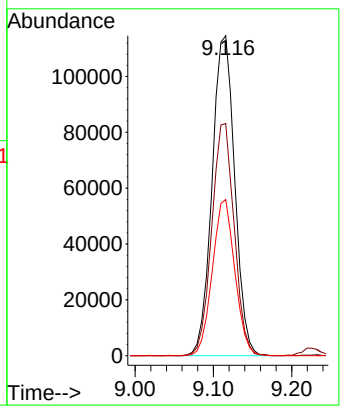
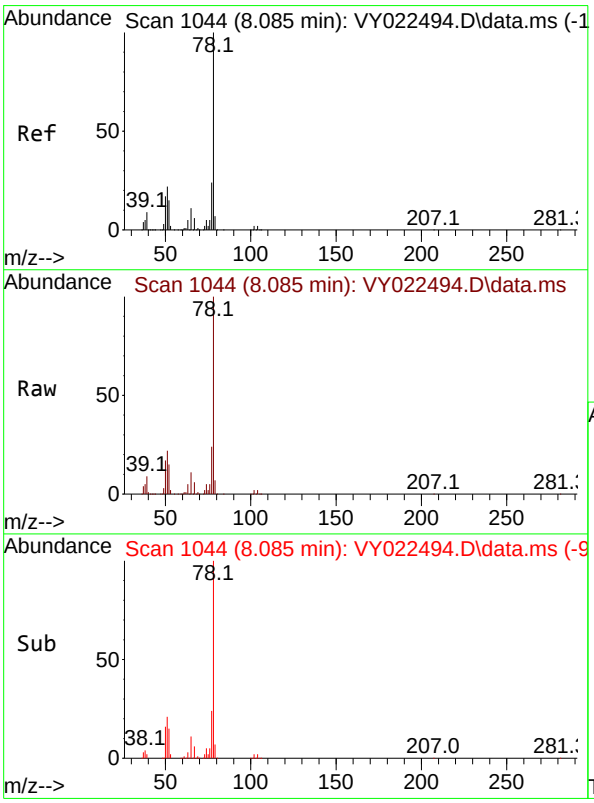
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

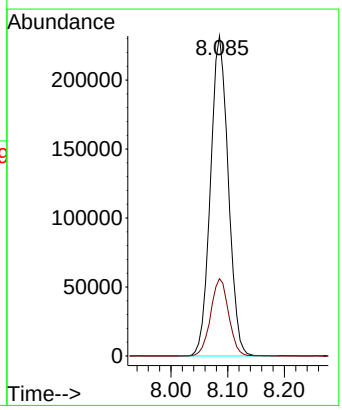


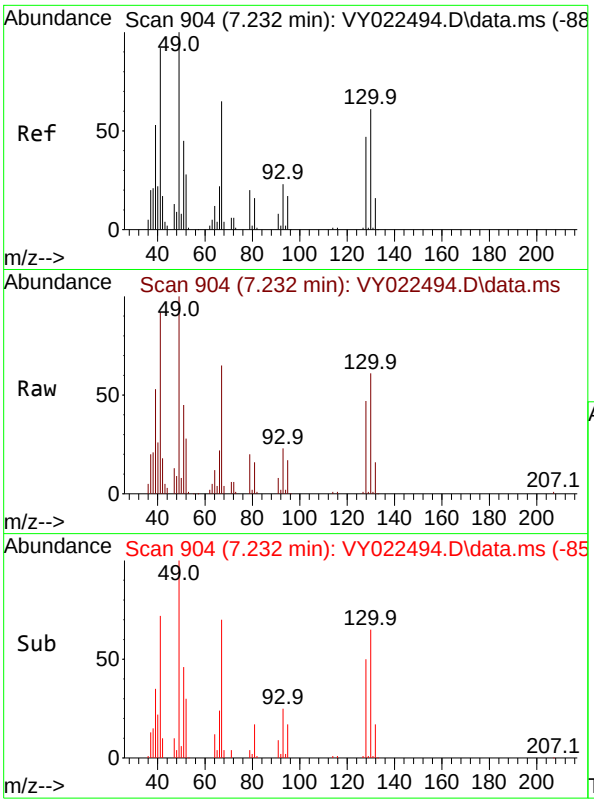


#40
Benzene
Concen: 51.376 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 78 Resp: 505749

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9

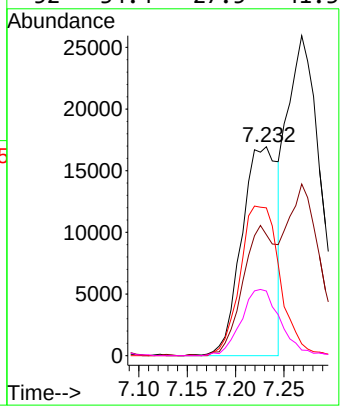




#41
Methacrylonitrile
Concen: 46.342 ug/l
RT: 7.232 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 41 Resp: 4386

Ion	Ratio	Lower	Upper
41	100		
39	58.2	46.6	69.8
67	79.1	63.3	94.9
52	34.4	27.5	41.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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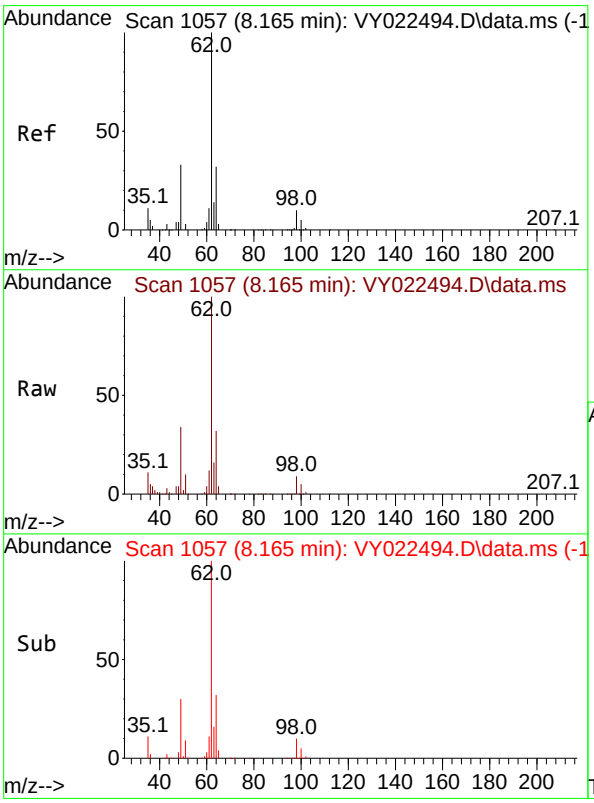
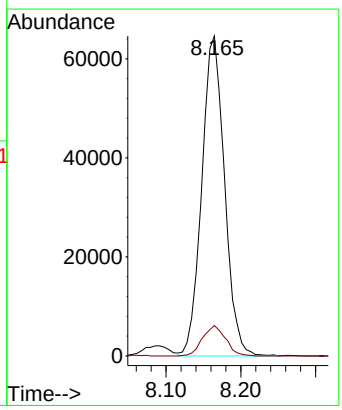
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

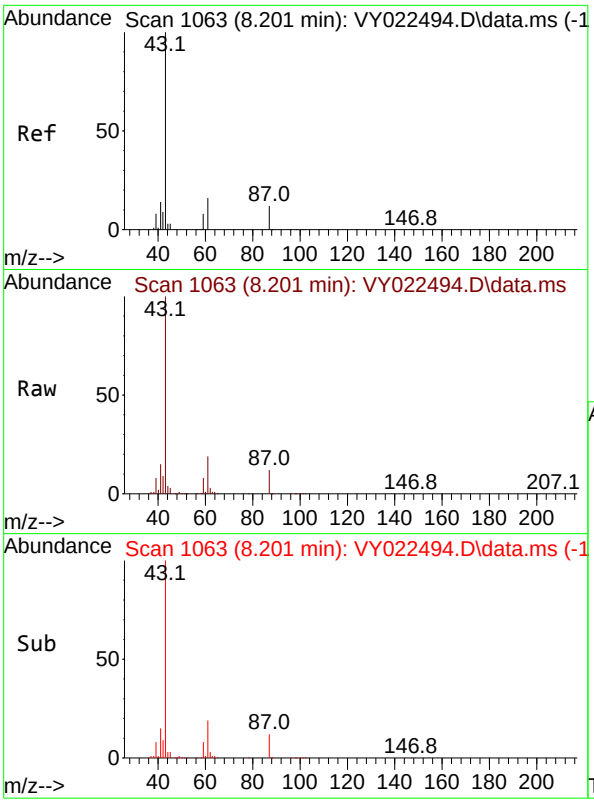


#42
1,2-Dichloroethane
Concen: 51.114 ug/l
RT: 8.165 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 62 Resp: 136876

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.2

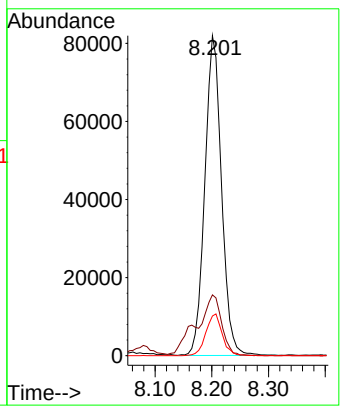




#43
Isopropyl Acetate
Concen: 52.237 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 16777

Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.6	23.4
87	12.8	10.2	15.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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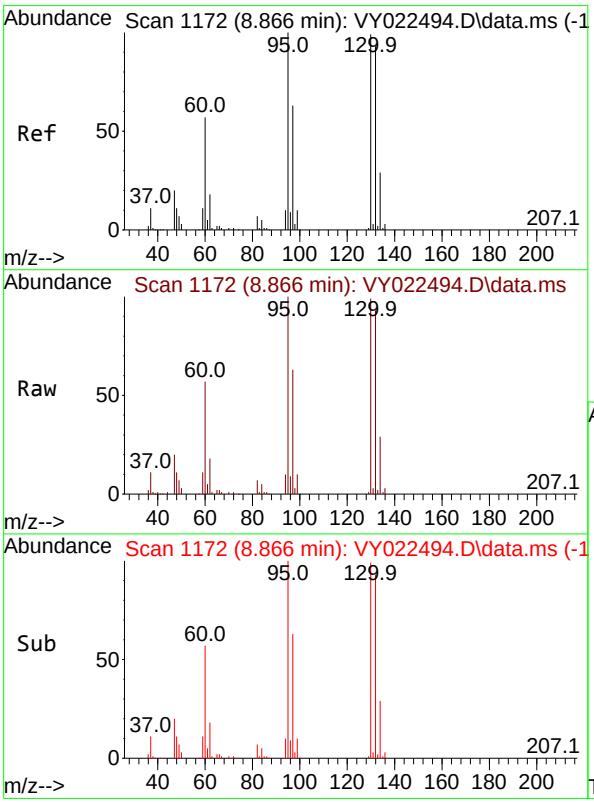
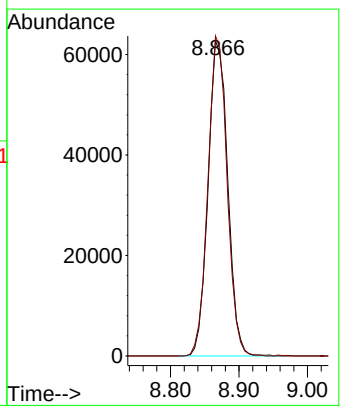
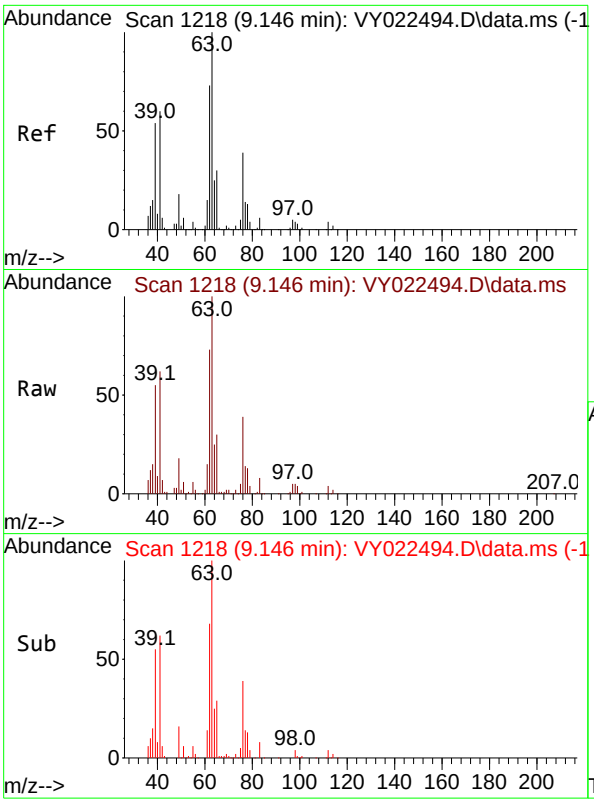


#44
Trichloroethene
Concen: 51.843 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:130 Resp: 124670

Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	203.0

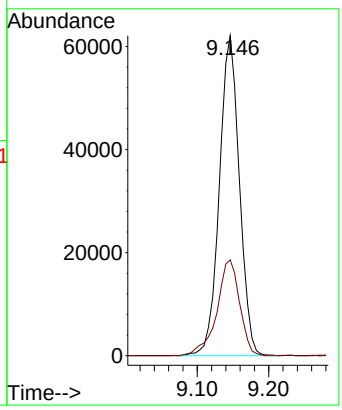




#45
1,2-Dichloropropane
Concen: 51.415 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 63 Resp: 12066

Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.0	36.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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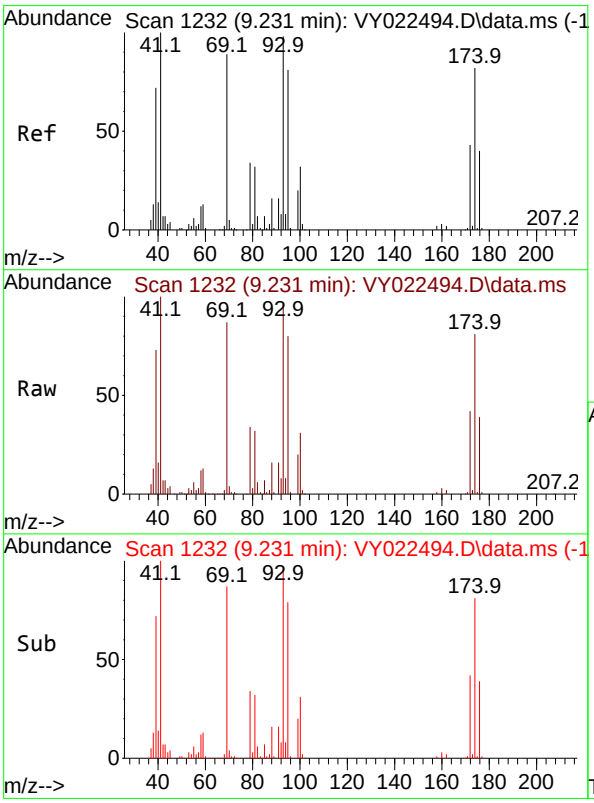
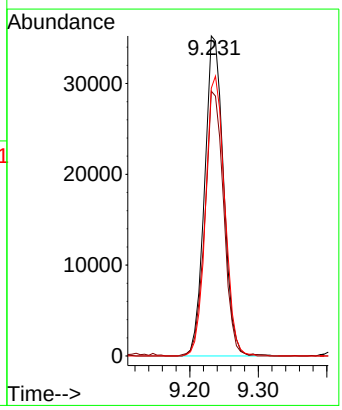
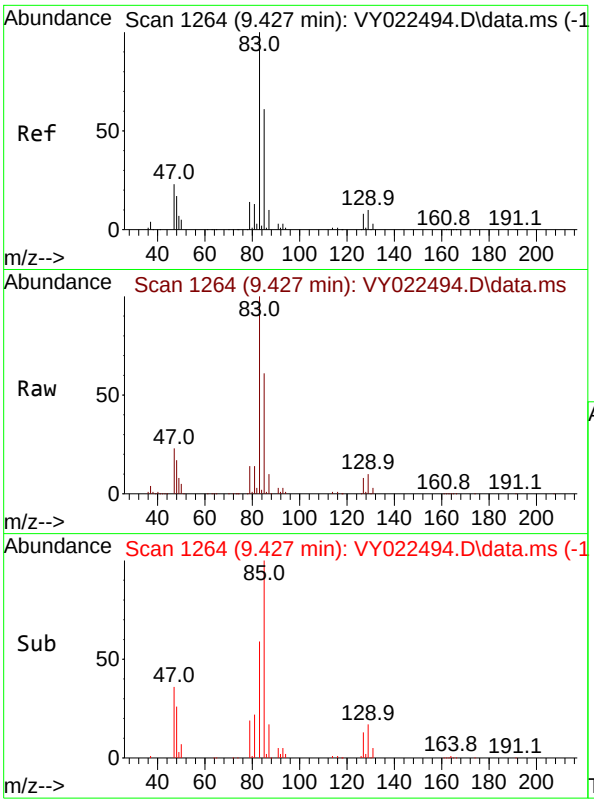


#46
Dibromomethane
Concen: 51.485 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 93 Resp: 67690

Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.6	98.4
174	88.0	70.4	105.6

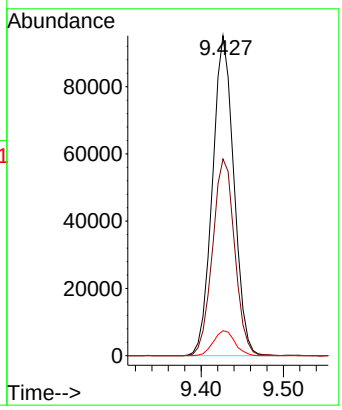




#47
Bromodichloromethane
Concen: 51.664 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 83 Resp: 17234

Ion	Ratio	Lower	Upper
83	100		
85	61.4	49.1	73.7
127	7.8	6.2	9.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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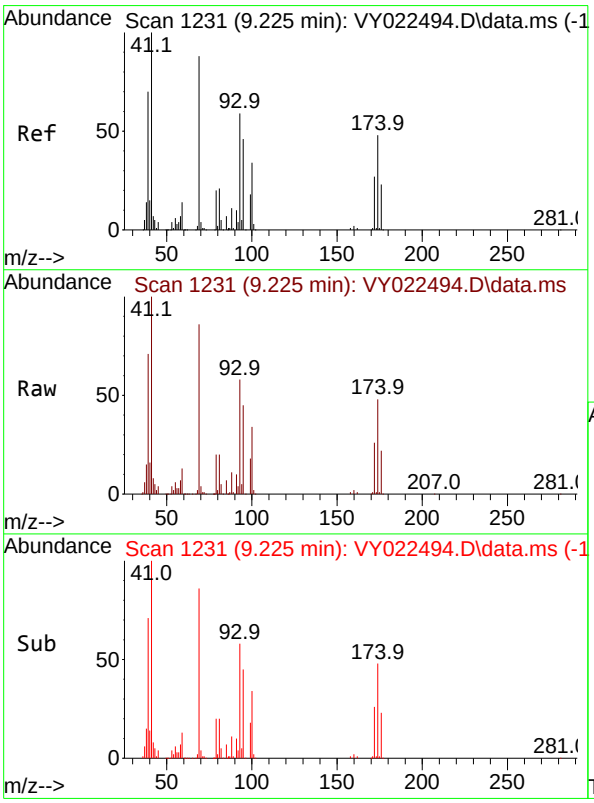
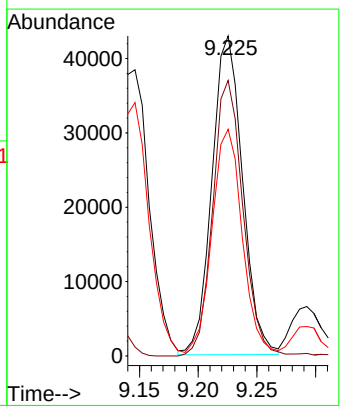
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

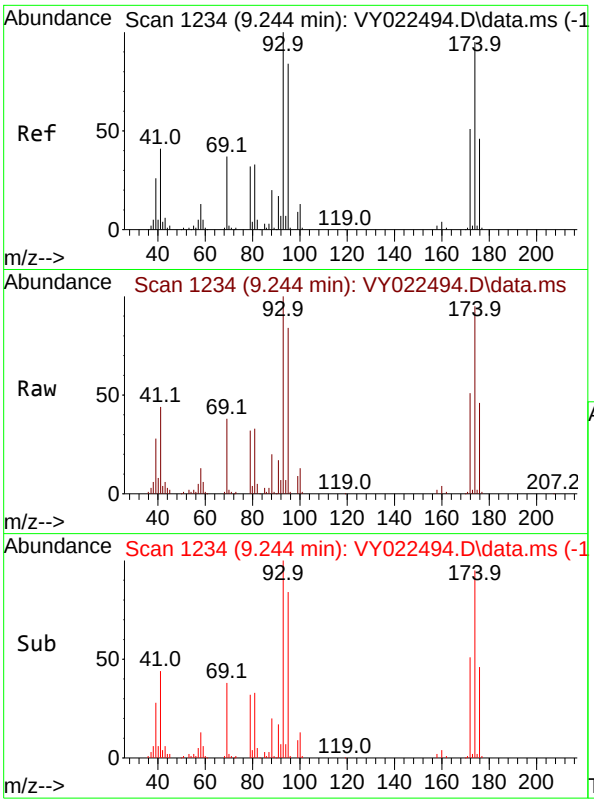


#48
Methyl methacrylate
Concen: 52.963 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 41 Resp: 77885

Ion	Ratio	Lower	Upper
41	100		
69	84.8	67.8	101.8
39	68.7	55.0	82.4

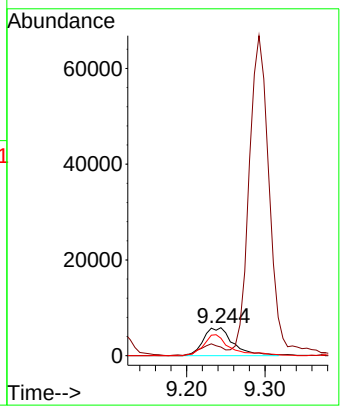




#49
1,4-Dioxane
Concen: 977.637 ug/l
RT: 9.244 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 88 Resp: 1533

Ion	Ratio	Lower	Upper
88	100		
43	31.8	25.4	38.2
58	68.6	54.9	82.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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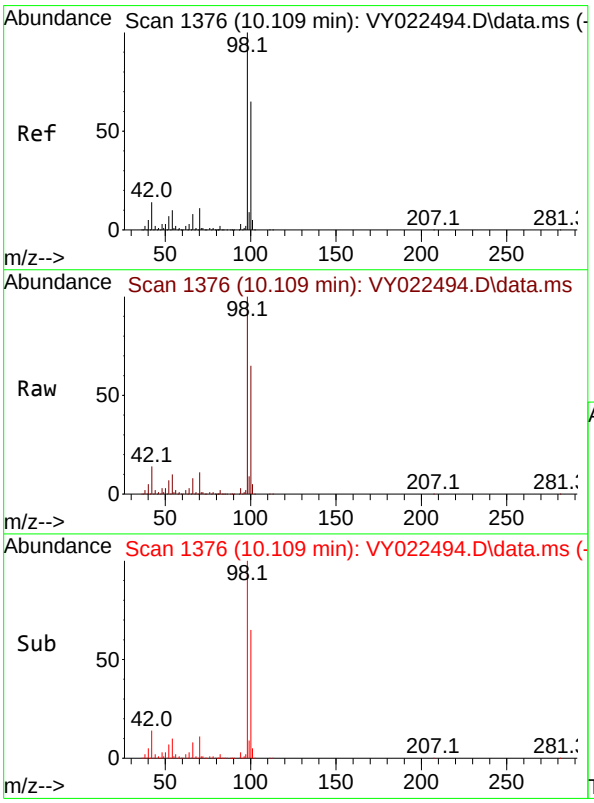
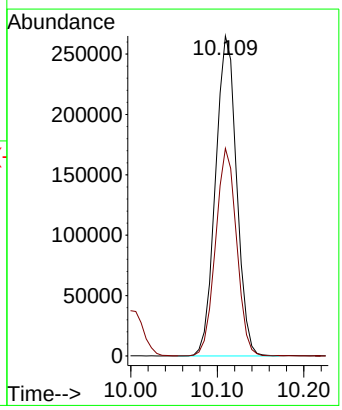
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

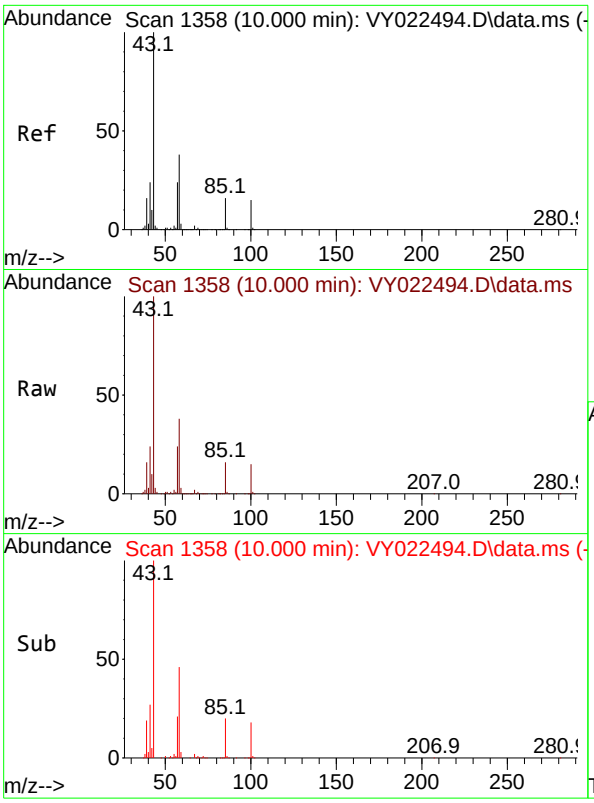


#50
Toluene-d8
Concen: 53.734 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 98 Resp: 448690

Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.4	77.0

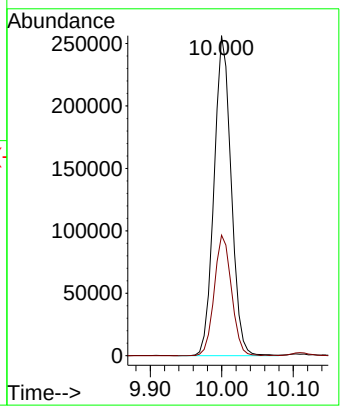




#51
4-Methyl-2-Pentanone
Concen: 267.154 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 42586

Ion	Ratio	Lower	Upper
43	100		
58	38.0	30.4	45.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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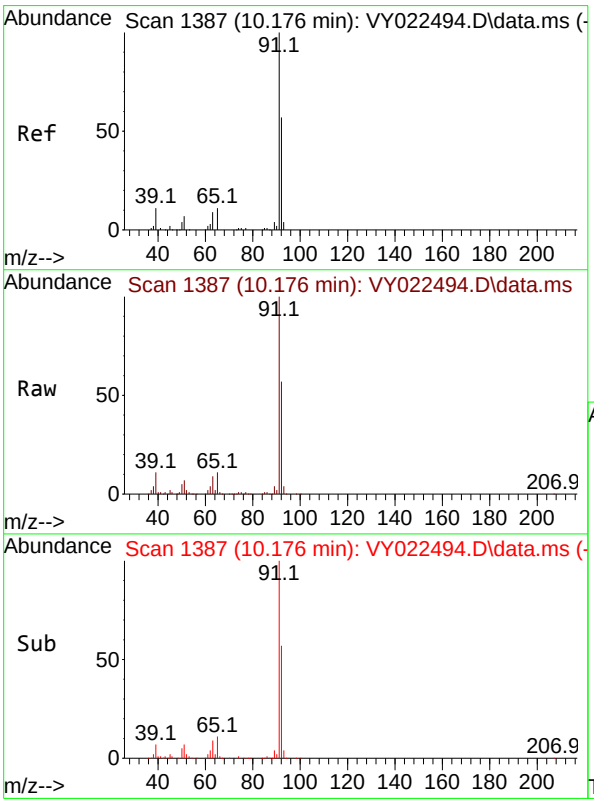
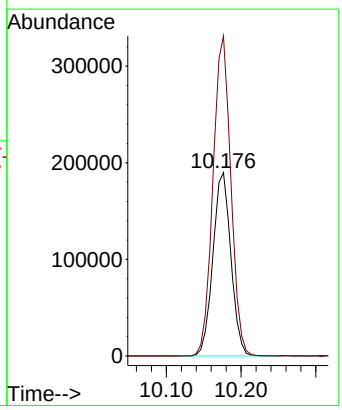
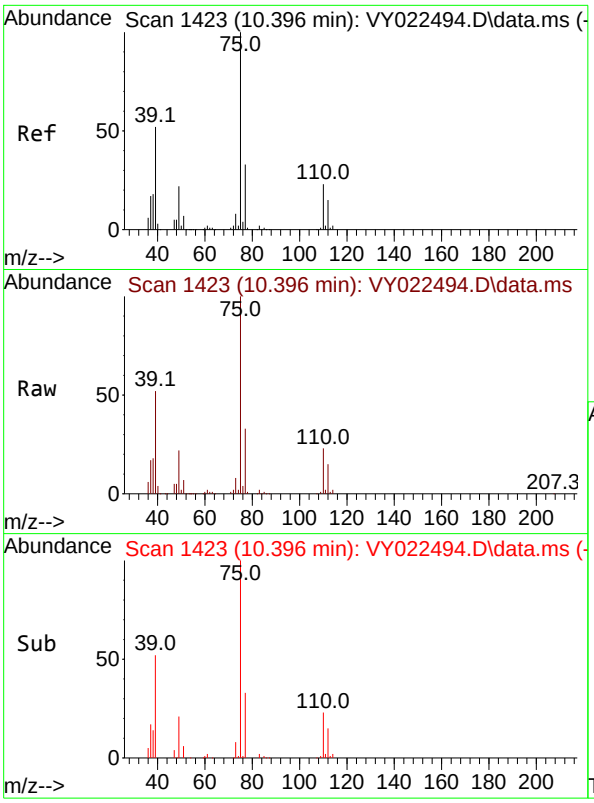


#52
Toluene
Concen: 51.213 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 92 Resp: 316972

Ion	Ratio	Lower	Upper
92	100		
91	173.7	139.0	208.4

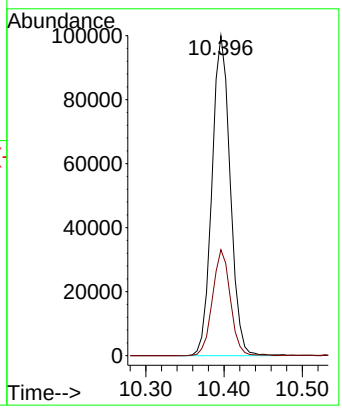




#53
t-1,3-Dichloropropene
Concen: 52.450 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 75 Resp: 16185

Ion	Ratio	Lower	Upper
75	100		
77	33.1	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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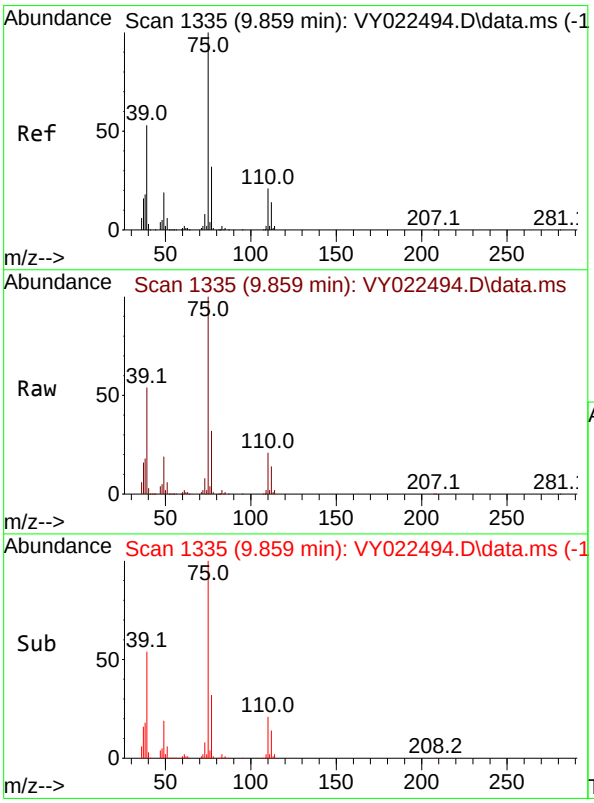
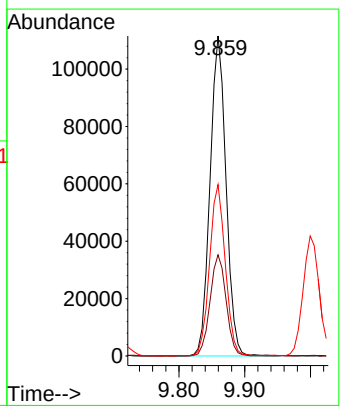
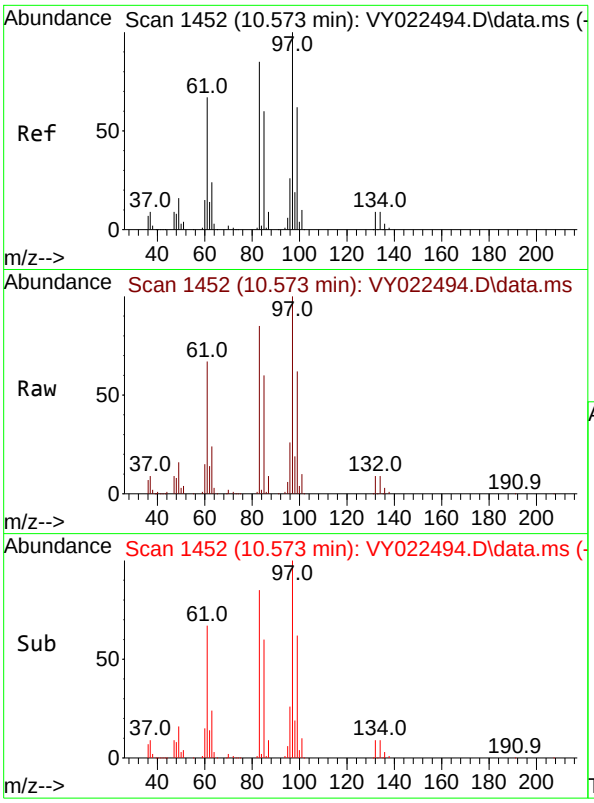


#54
cis-1,3-Dichloropropene
Concen: 52.108 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 75 Resp: 188559

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9
39	53.4	42.7	64.1

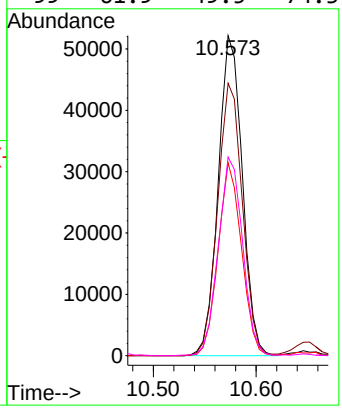




#55
1,1,2-Trichloroethane
Concen: 51.209 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 97 Resp: 8478

Ion	Ratio	Lower	Upper
97	100		
83	85.1	68.1	102.1
85	60.2	48.2	72.2
99	61.9	49.5	74.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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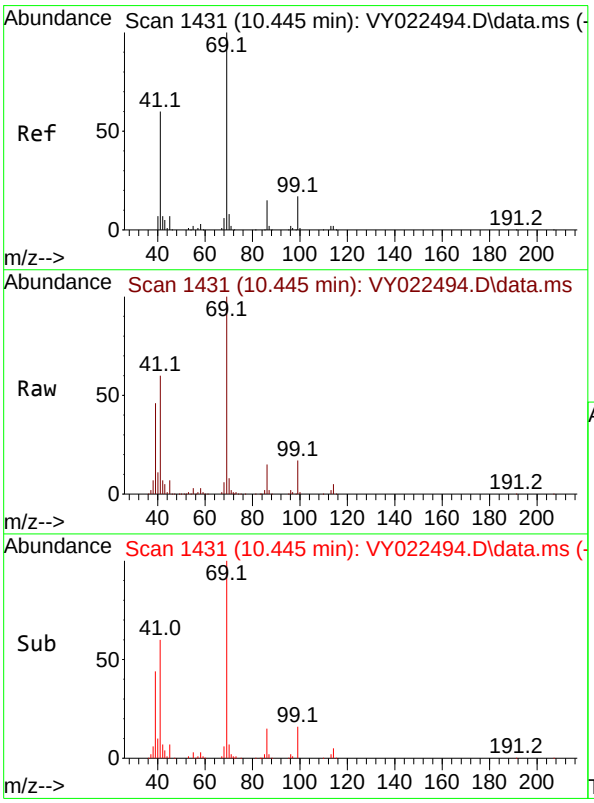
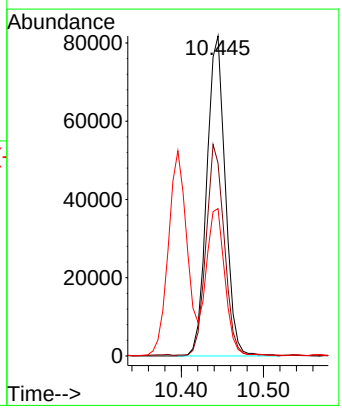
Supervised By :Mahesh Dadoda 06/03/2025

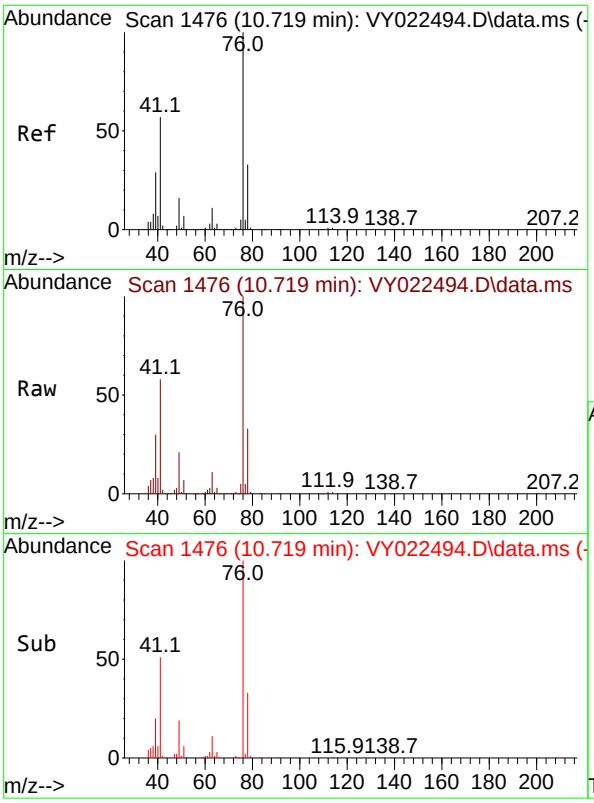


#56
Ethyl methacrylate
Concen: 52.930 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 69 Resp: 127271

Ion	Ratio	Lower	Upper
69	100		
41	65.2	52.2	78.2
39	45.9	36.7	55.1

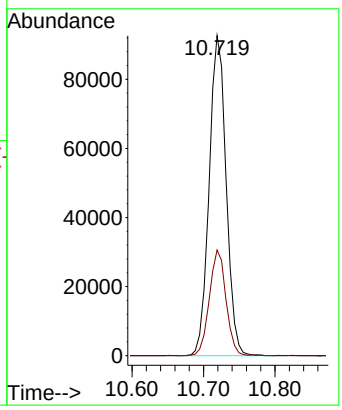




#57
1,3-Dichloropropane
Concen: 51.821 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 76 Resp: 15280

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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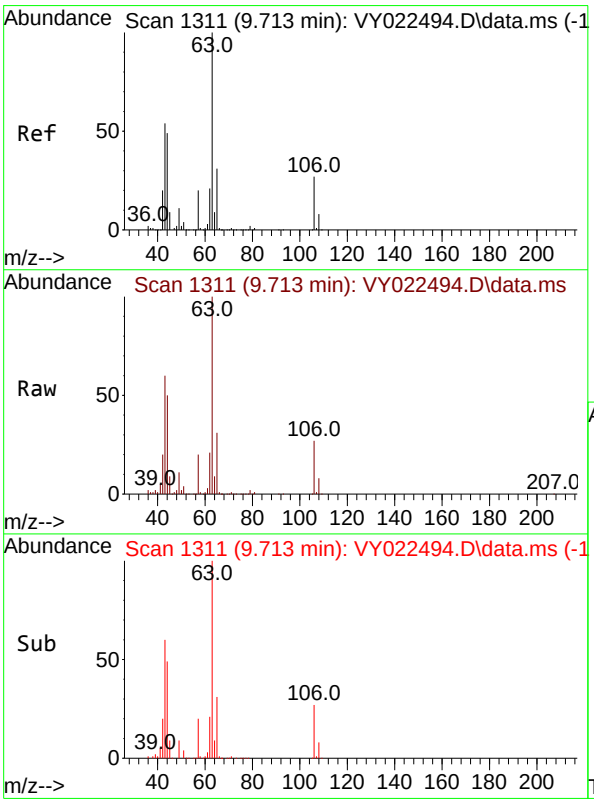
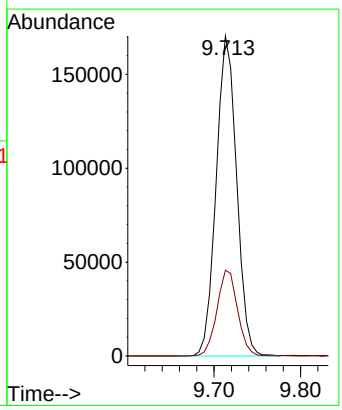
Supervised By :Mahesh Dadoda 06/03/2025

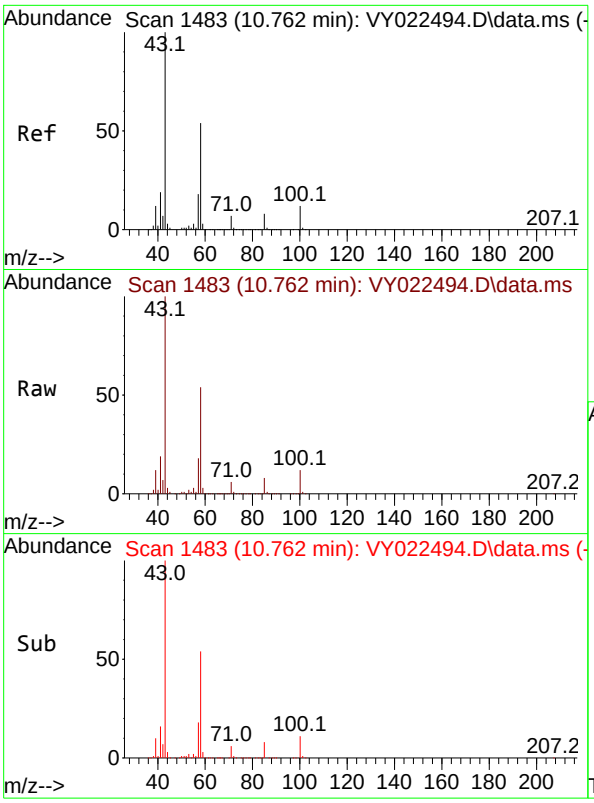


#58
2-Chloroethyl Vinyl ether
Concen: 260.896 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 63 Resp: 279669

Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.6	32.4

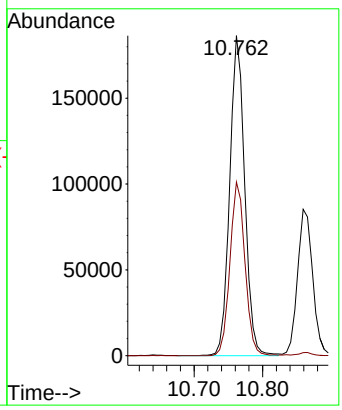




#59
2-Hexanone
Concen: 266.885 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 28360

Ion	Ratio	Lower	Upper
43	100		
58	54.5	27.3	81.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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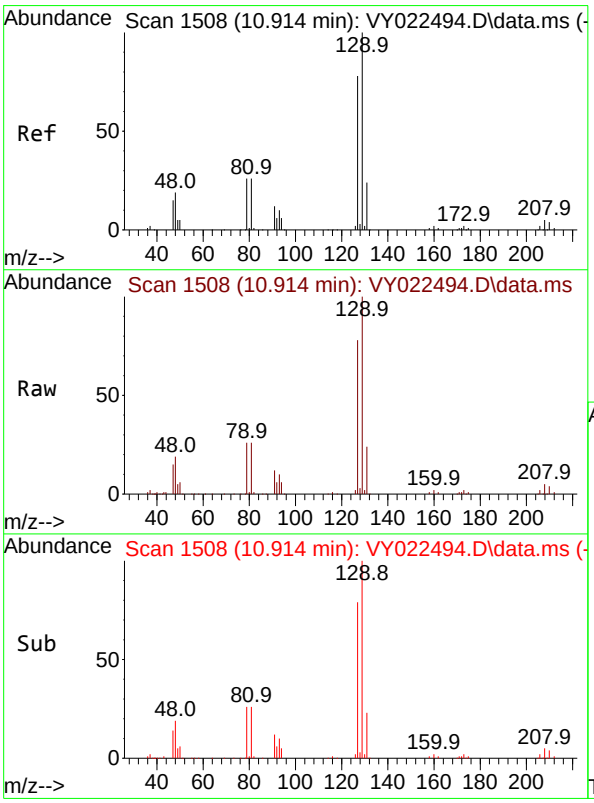
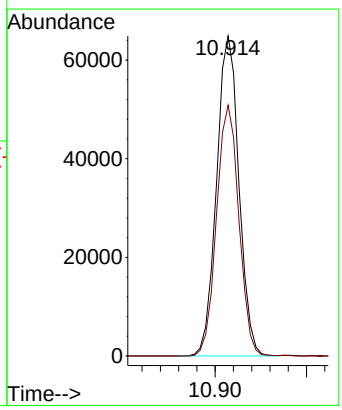
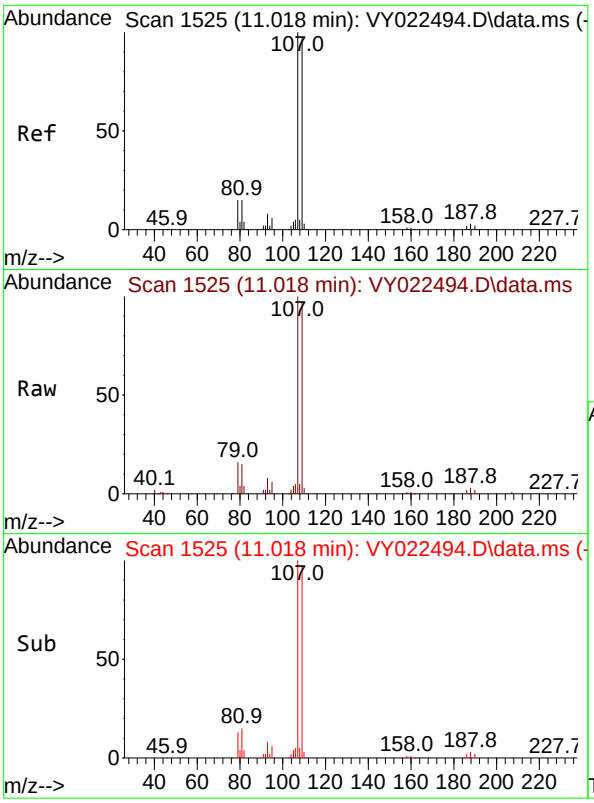


#60
Dibromochloromethane
Concen: 52.582 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:129 Resp: 110314

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.1	117.2

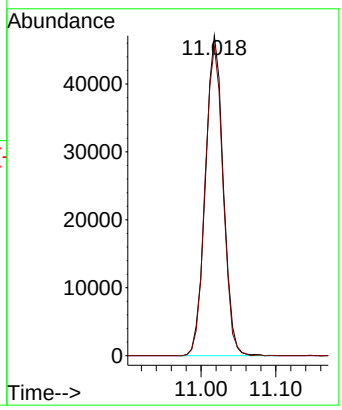




#61
1,2-Dibromoethane
Concen: 51.150 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:107 Resp: 7815

Ion	Ratio	Lower	Upper
107	100		
109	97.1	77.7	116.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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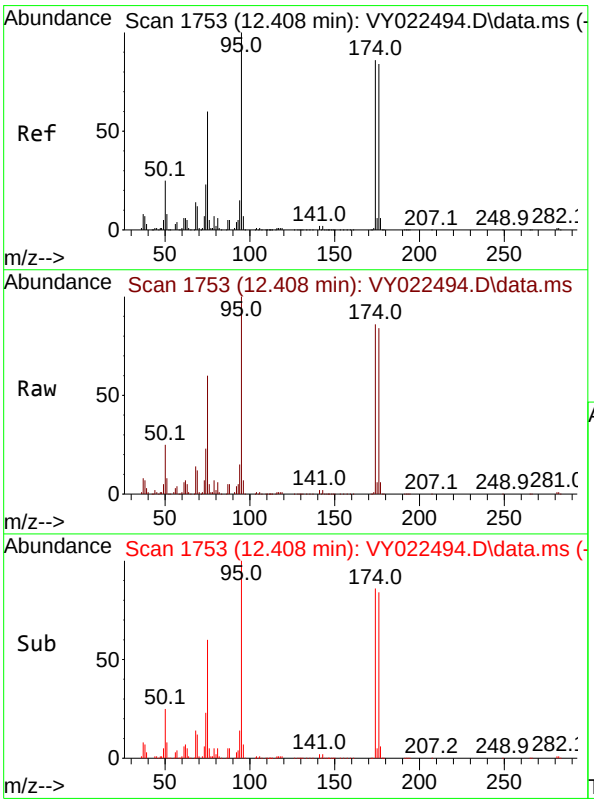
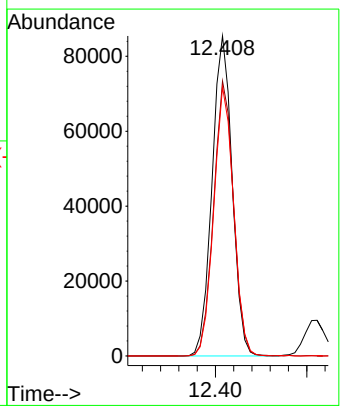
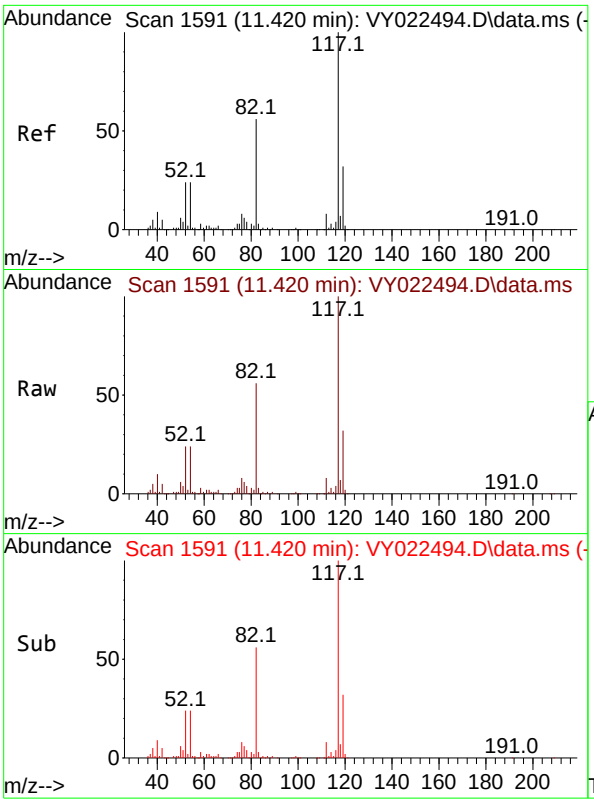


#62
4-Bromofluorobenzene
Concen: 51.503 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 95 Resp: 130393

Ion	Ratio	Lower	Upper
95	100		
174	85.0	0.0	170.0
176	83.1	0.0	166.2

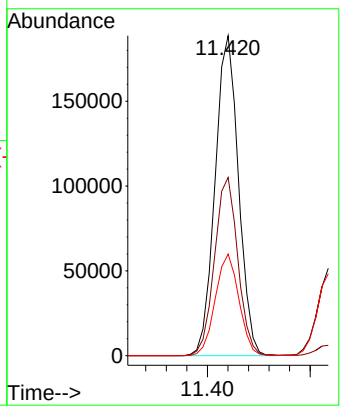




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:117 Resp: 29818

Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.6	66.8
119	31.7	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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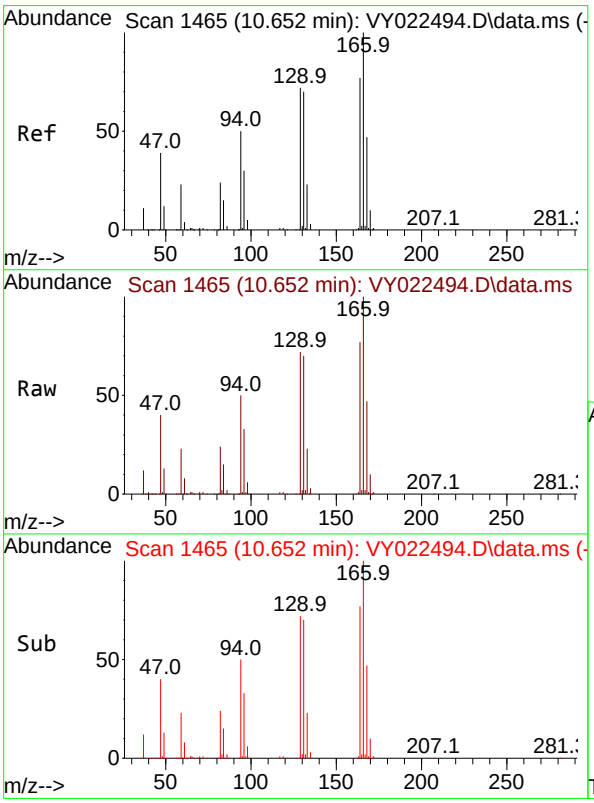
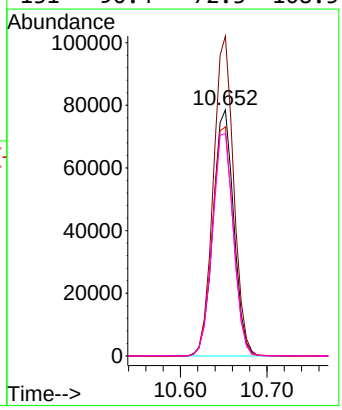
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

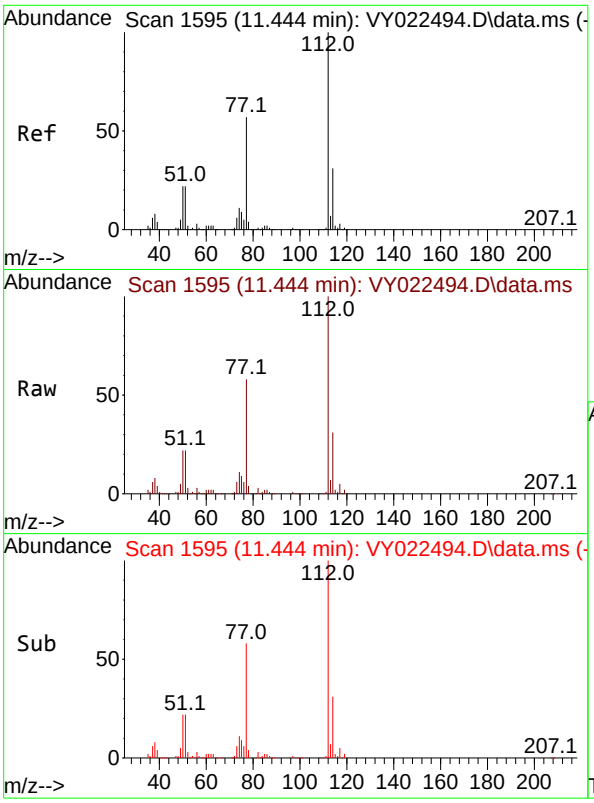


#64
Tetrachloroethene
Concen: 51.367 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:164 Resp: 130171

Ion	Ratio	Lower	Upper
164	100		
166	130.0	104.0	156.0
129	93.1	74.5	111.7
131	90.4	72.3	108.5

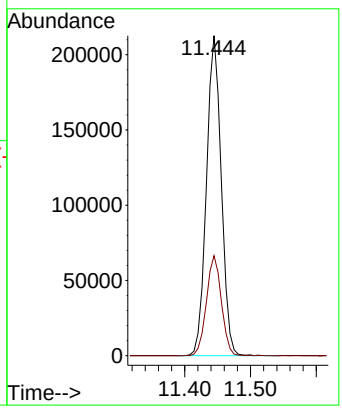




#65
Chlorobenzene
Concen: 51.447 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:112 Resp: 33264

Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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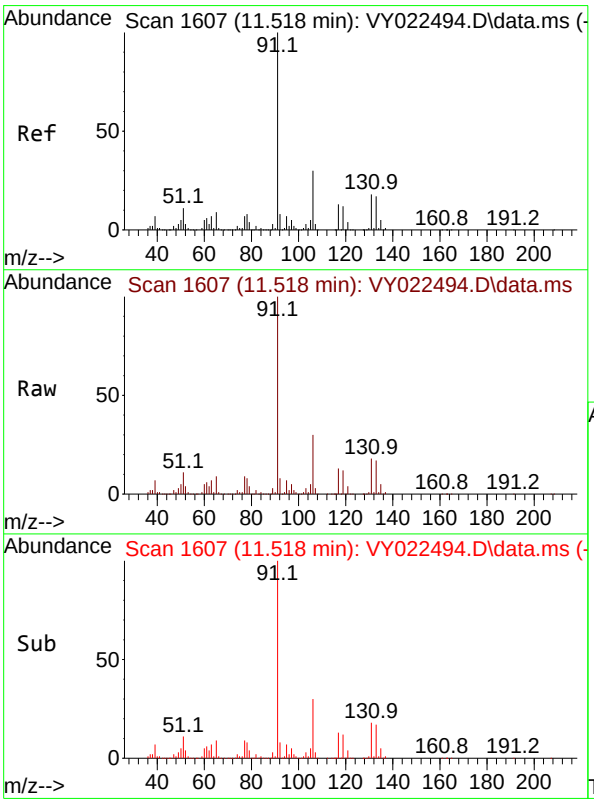
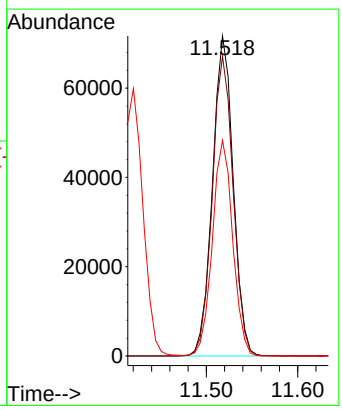
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

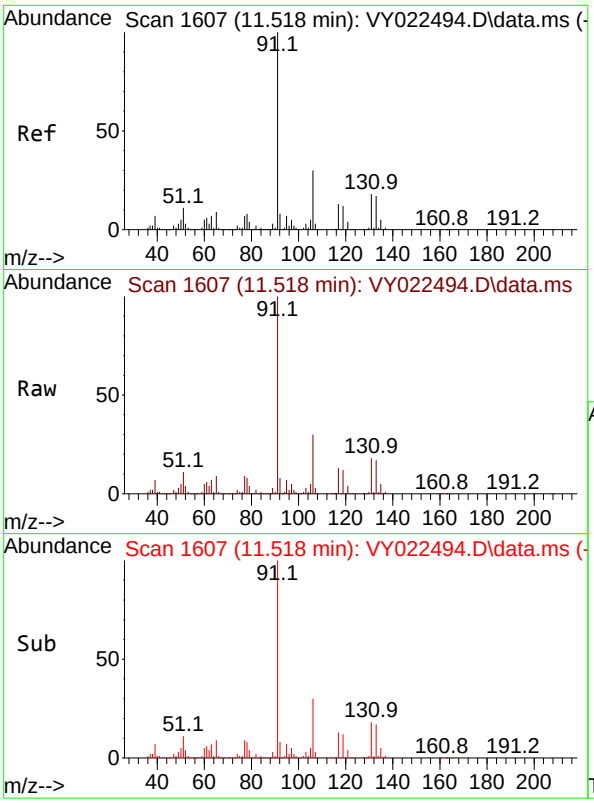


#66
1,1,1,2-Tetrachloroethane
Concen: 51.526 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:131 Resp: 112934

Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.3	141.8
119	66.2	33.1	99.3





#67
Ethyl Benzene
Concen: 51.577 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 91 Resp: 62103

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.2	36.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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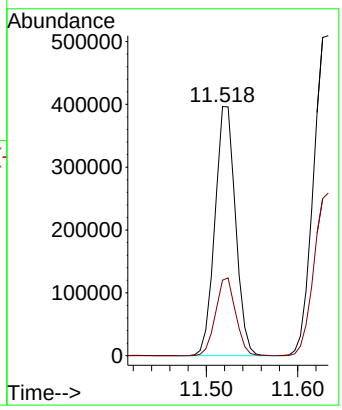
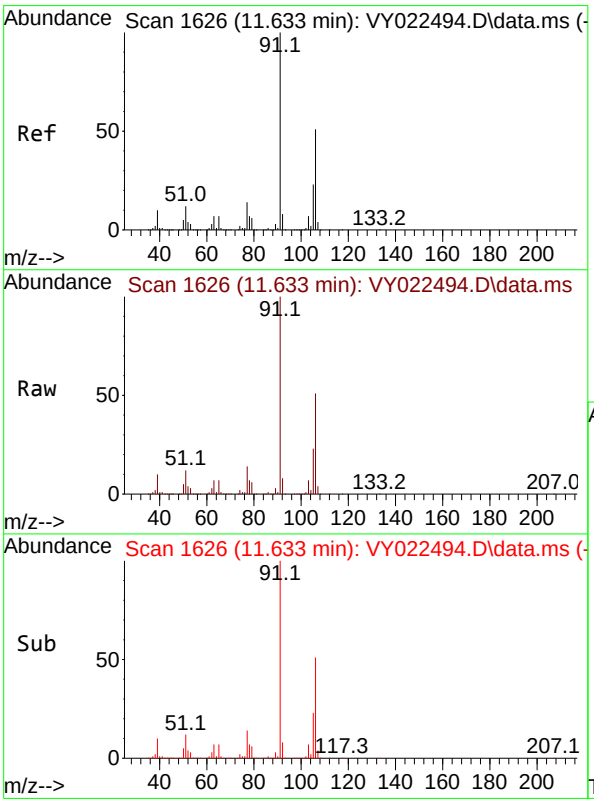
Supervised By :Mahesh Dadoda 06/03/2025

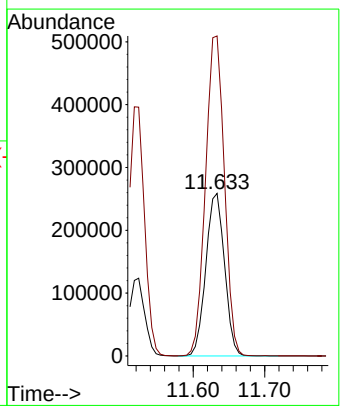


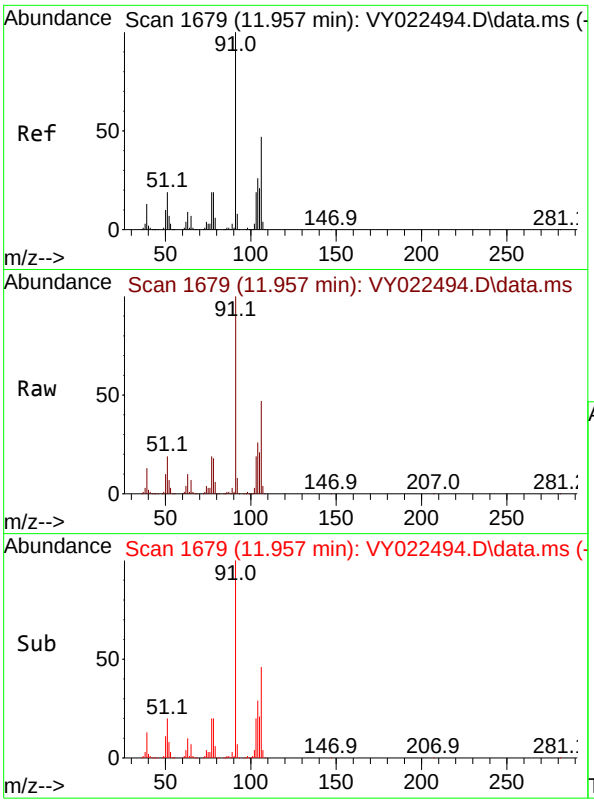


#68
m/p-Xylenes
Concen: 102.795 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:106 Resp: 468441

Ion	Ratio	Lower	Upper
106	100		
91	199.2	159.4	239.0

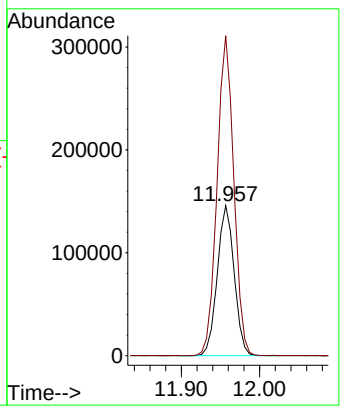




#69
o-Xylene
Concen: 51.293 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:106 Resp: 21876

Ion	Ratio	Lower	Upper
106	100		
91	211.5	105.8	317.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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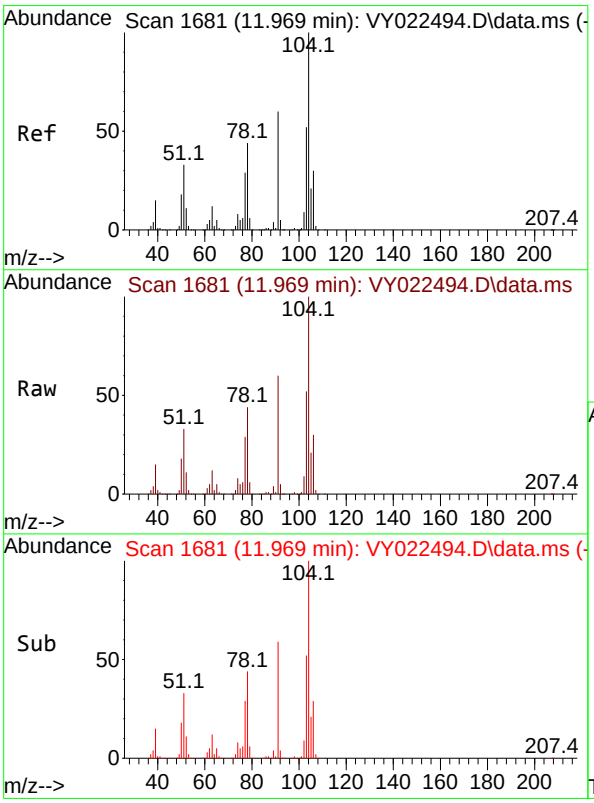
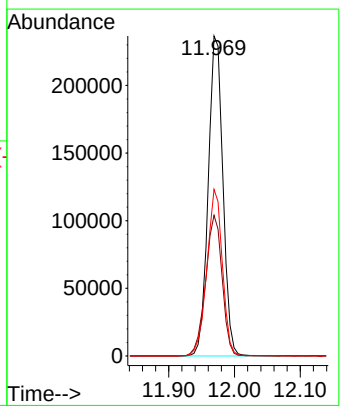
Supervised By :Mahesh Dadoda 06/03/2025

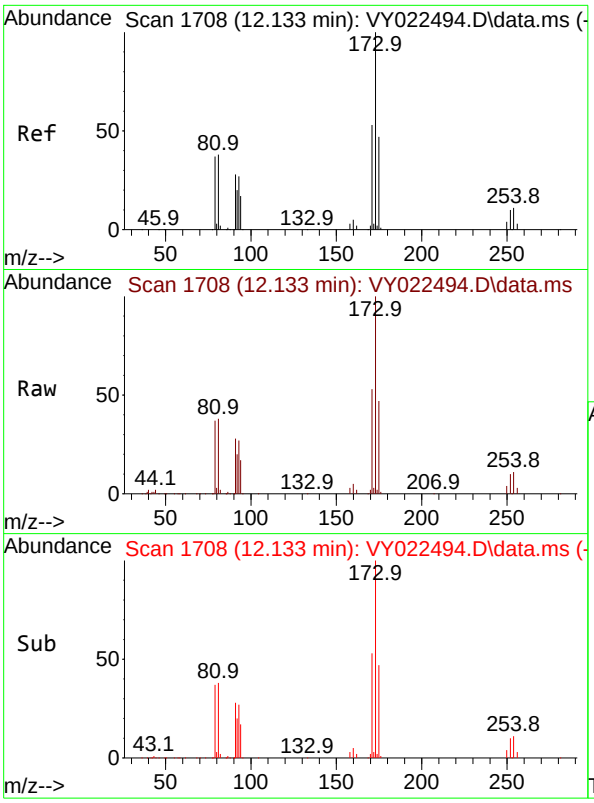


#70
Styrene
Concen: 52.052 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:104 Resp: 367553

Ion	Ratio	Lower	Upper
104	100		
78	49.4	39.5	59.3
103	55.1	44.1	66.1

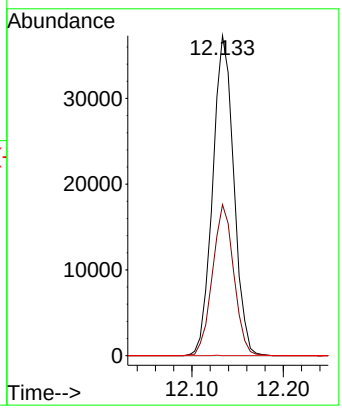




#71
Bromoform
Concen: 51.996 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:173 Resp: 5988

Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.8	71.5
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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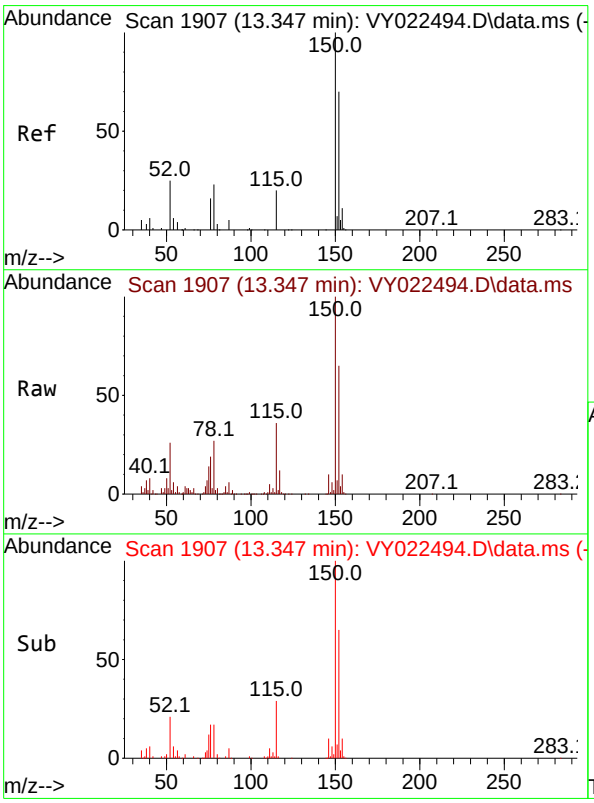
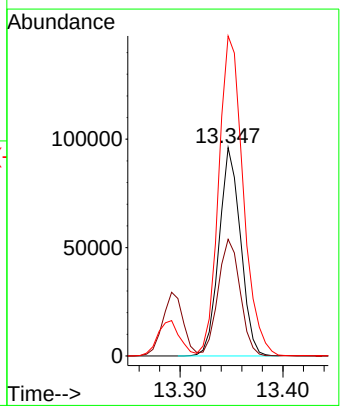
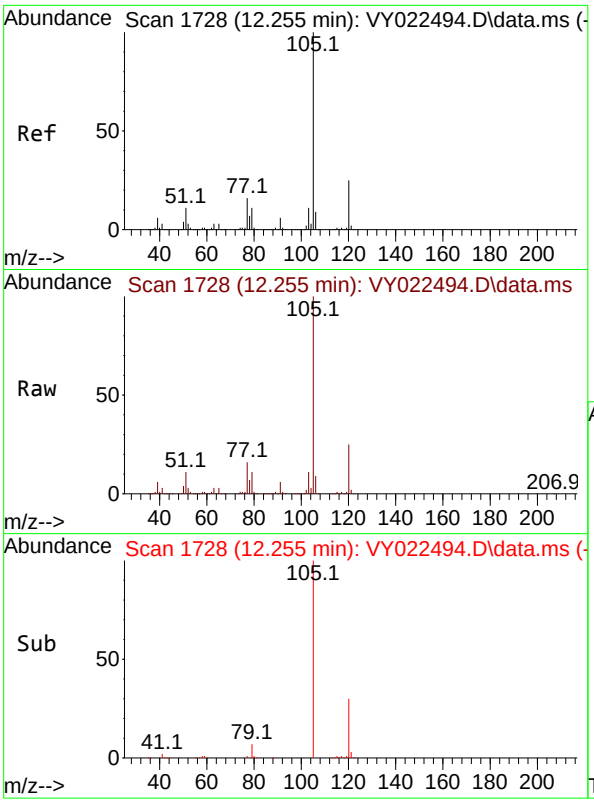


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:152 Resp: 139554

Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.9	86.7
150	174.8	0.0	349.6





#73
Isopropylbenzene
Concen: 51.329 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:105 Resp: 57713

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.0	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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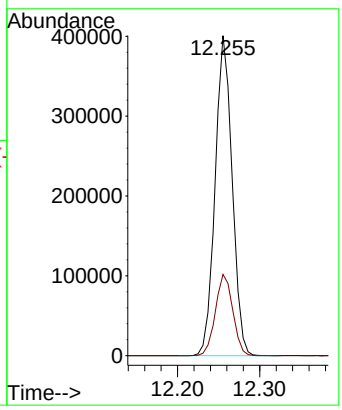
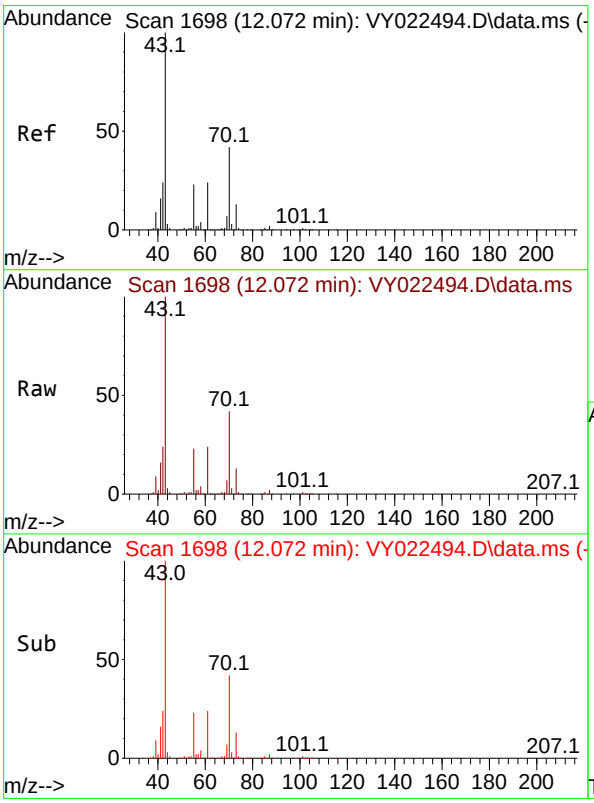
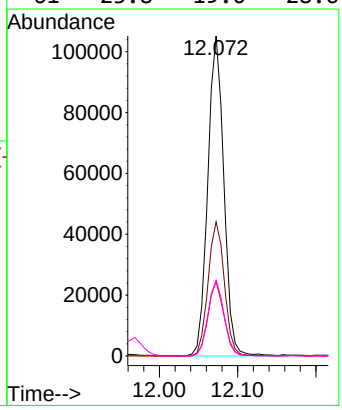


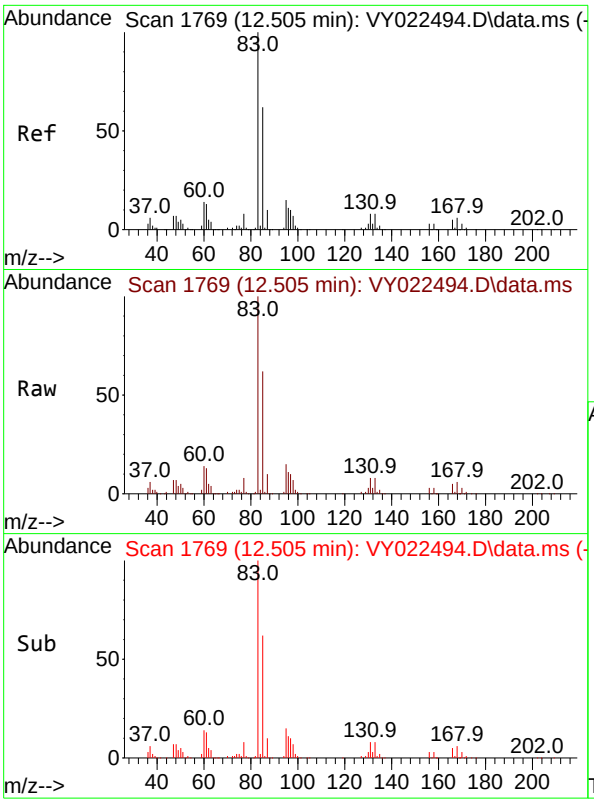


#74
N-amyl acetate
Concen: 52.627 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 149637

Ion	Ratio	Lower	Upper
43	100		
70	42.7	34.2	51.2
55	22.8	18.2	27.4
61	23.8	19.0	28.6

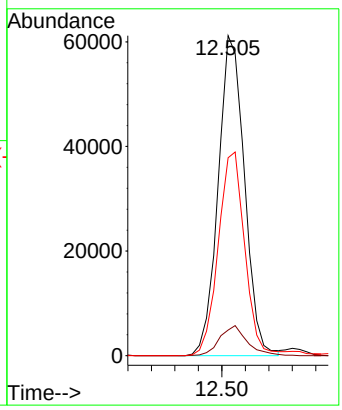




#75
1,1,2,2-Tetrachloroethane
Concen: 52.145 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 83 Resp: 9521

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	65.2	32.6	97.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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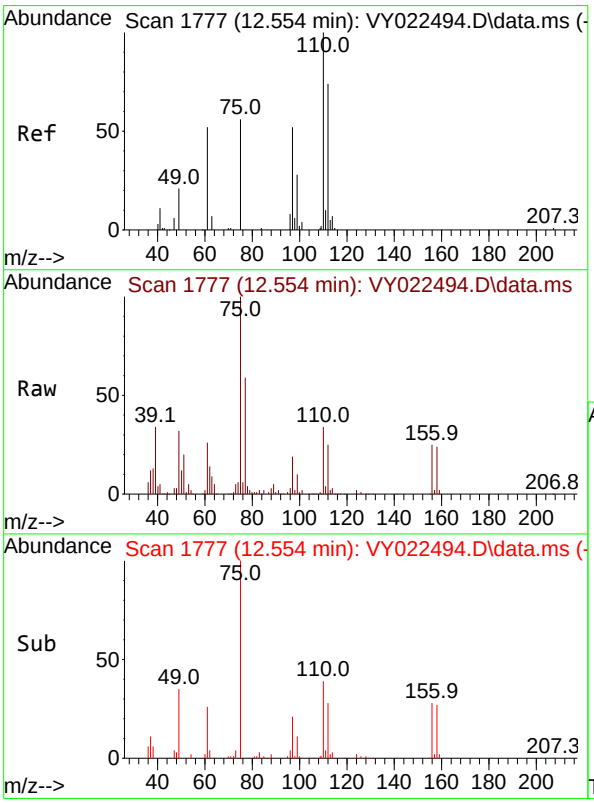
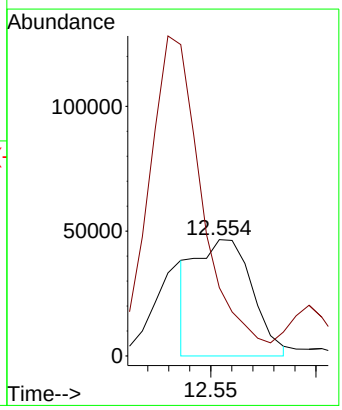
Supervised By :Mahesh Dadoda 06/03/2025

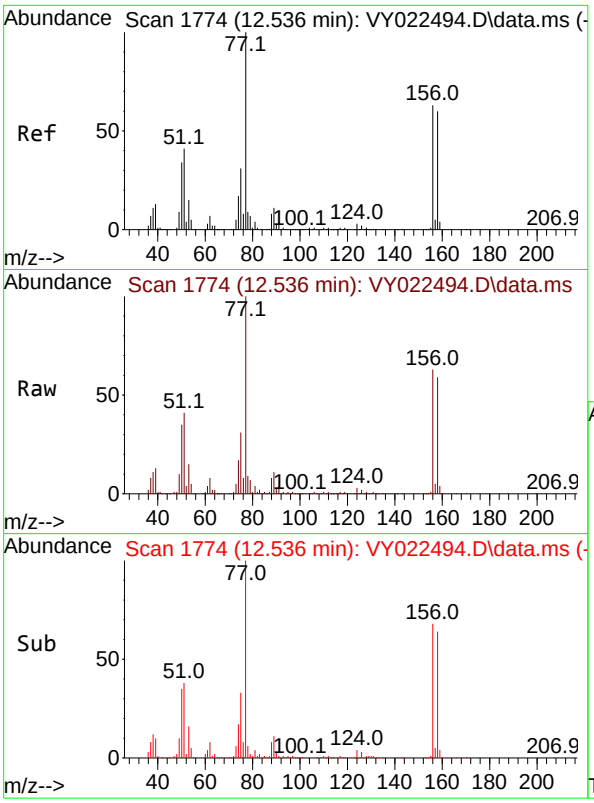


#76
1,2,3-Trichloropropane
Concen: 47.747 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 75 Resp: 87965

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

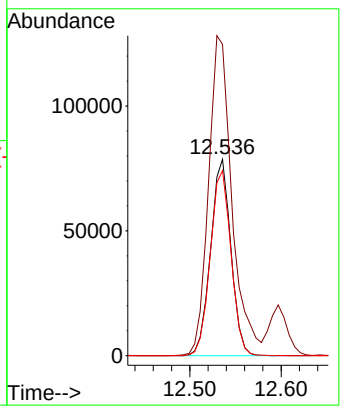




#77
Bromobenzene
Concen: 50.812 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:156 Resp: 12109

Ion	Ratio	Lower	Upper
156	100		
77	188.1	94.0	282.1
158	96.4	48.2	144.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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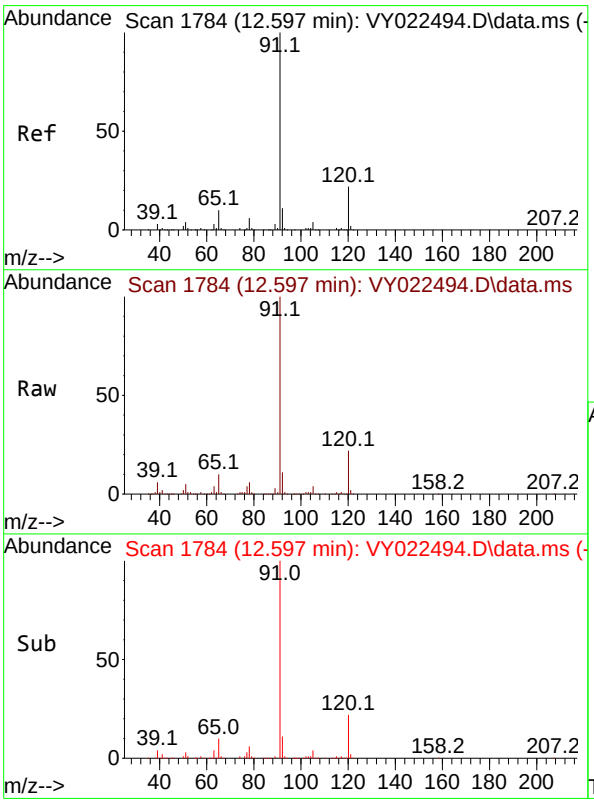
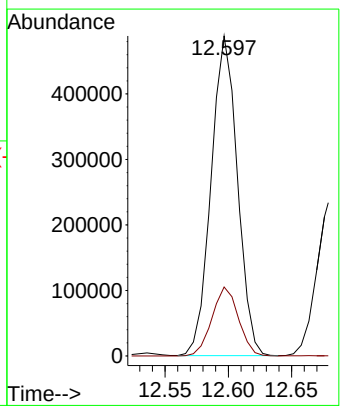
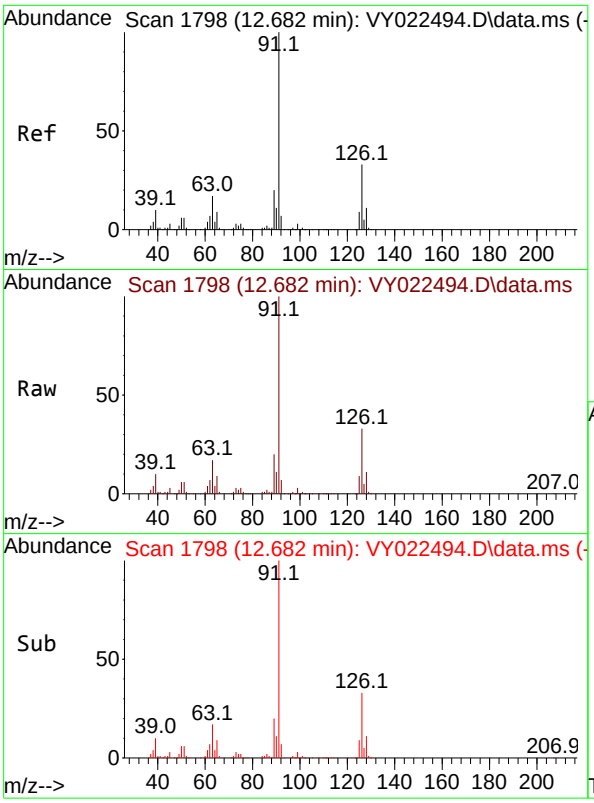


#78
n-propylbenzene
Concen: 51.667 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 91 Resp: 707143

Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.8	32.4





#79
2-Chlorotoluene
Concen: 51.670 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 91 Resp: 37340

Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.0	51.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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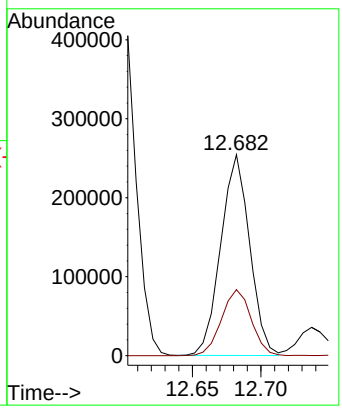
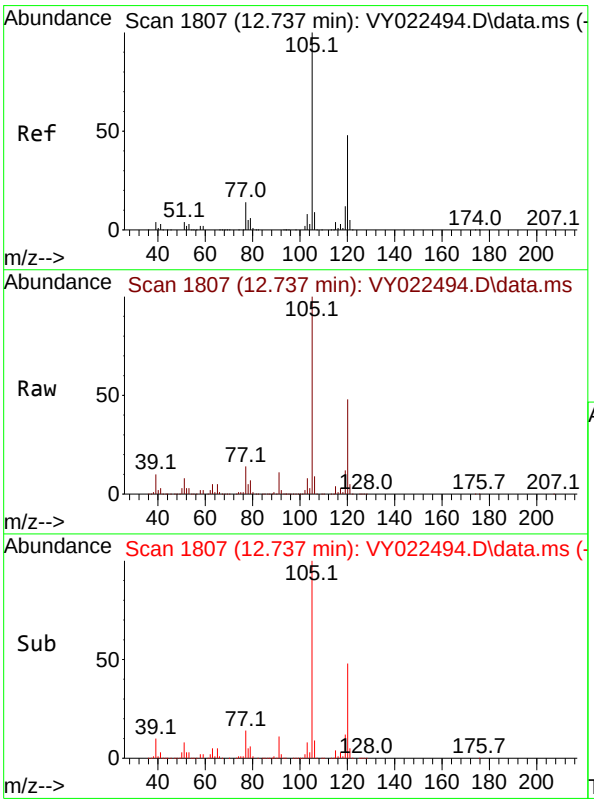
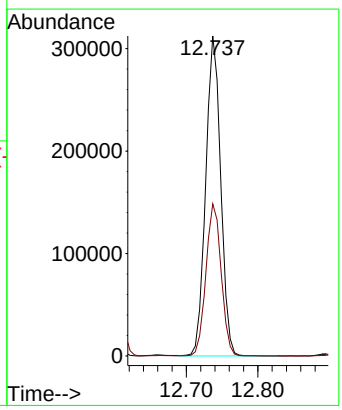


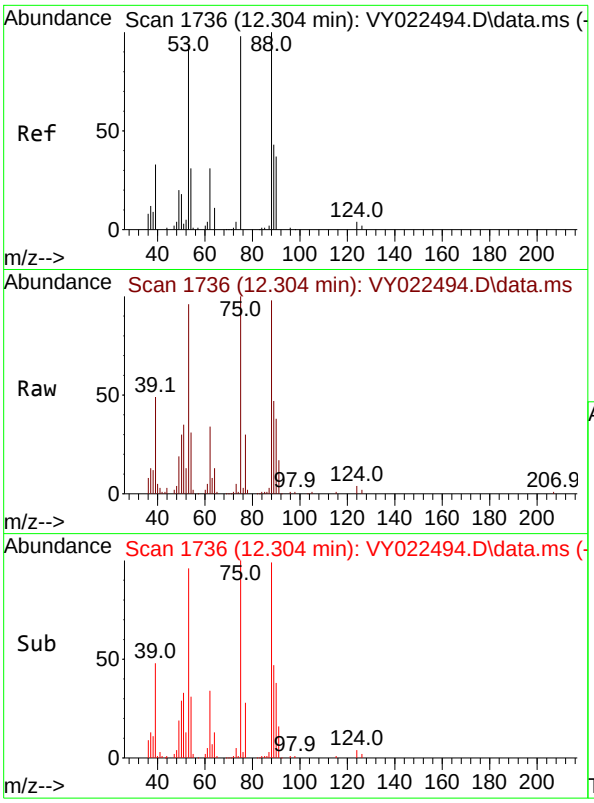


#80
1,3,5-Trimethylbenzene
Concen: 51.754 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:105 Resp: 455006

Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.1	72.4

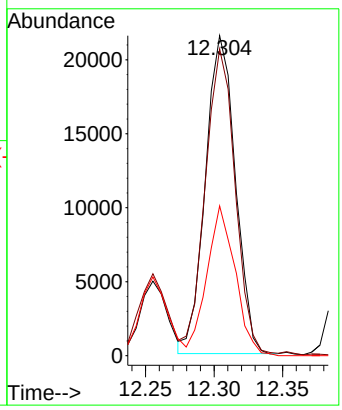




#81
trans-1,4-Dichloro-2-butene
Concen: 50.780 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 75 Resp: 3263

Ion	Ratio	Lower	Upper
75	100		
53	98.1	78.5	117.7
89	44.6	35.7	53.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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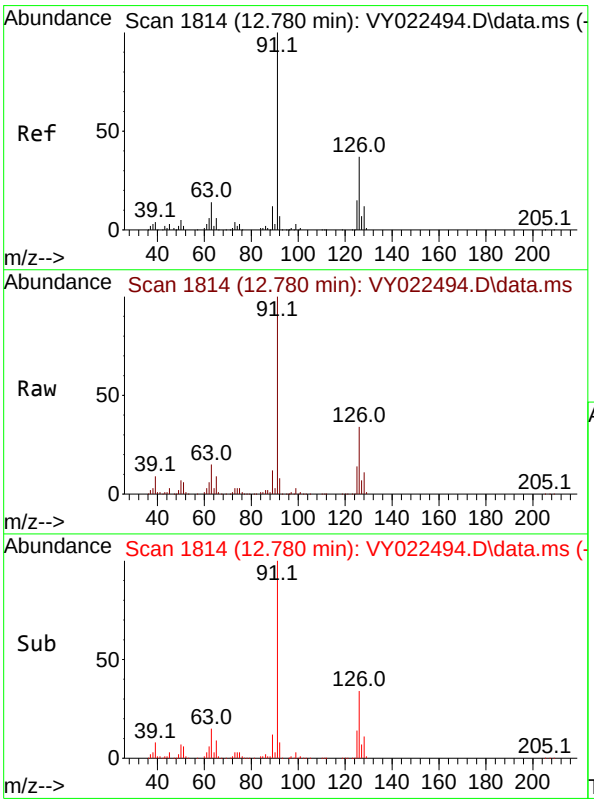
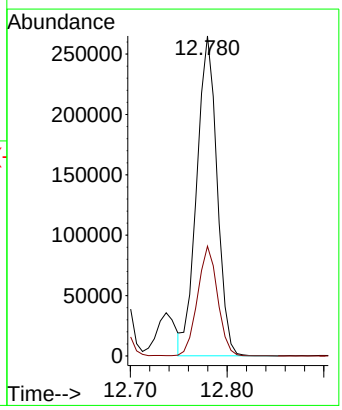
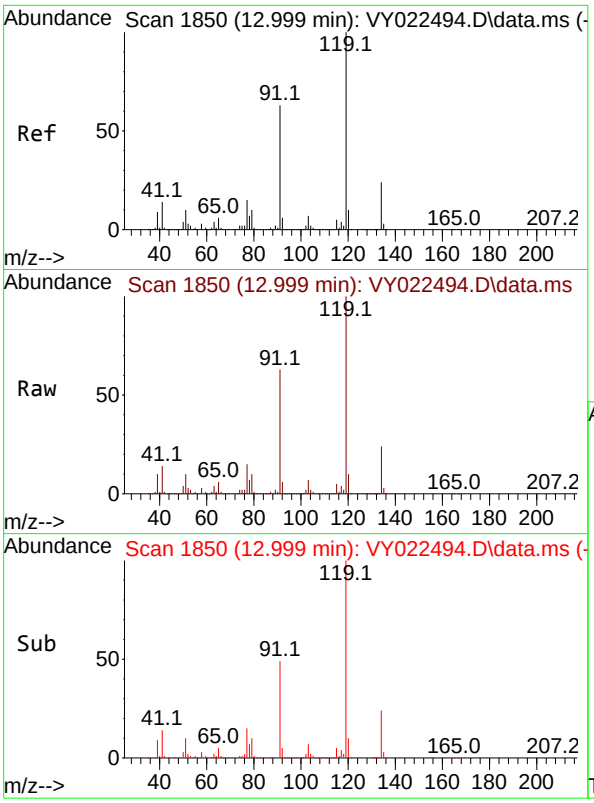


#82
4-Chlorotoluene
Concen: 51.710 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 91 Resp: 387296

Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.0	50.9

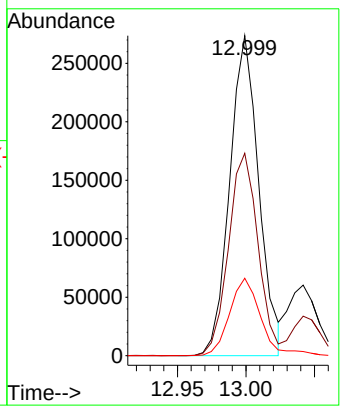




#83
tert-Butylbenzene
Concen: 50.438 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:119 Resp: 40451

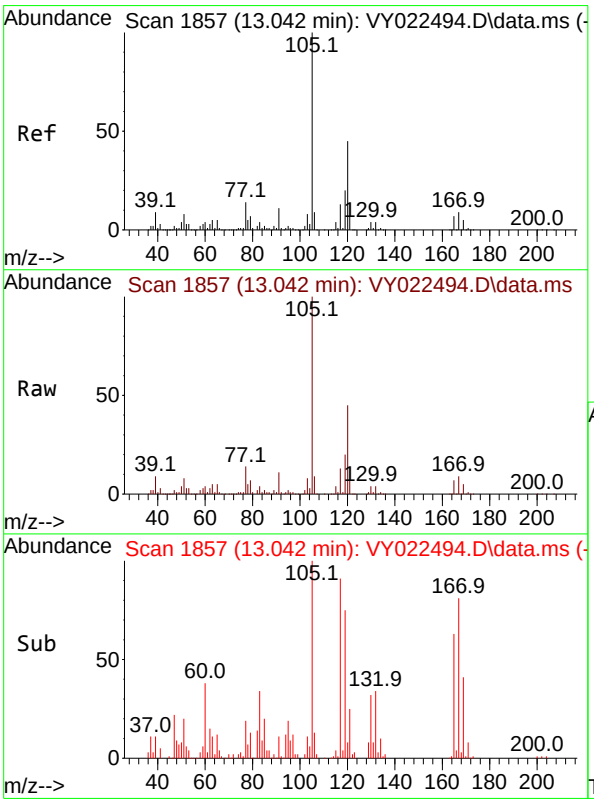
Ion	Ratio	Lower	Upper
119	100		
91	64.2	32.1	96.3
134	25.9	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

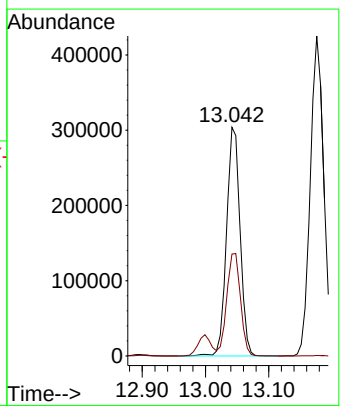
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

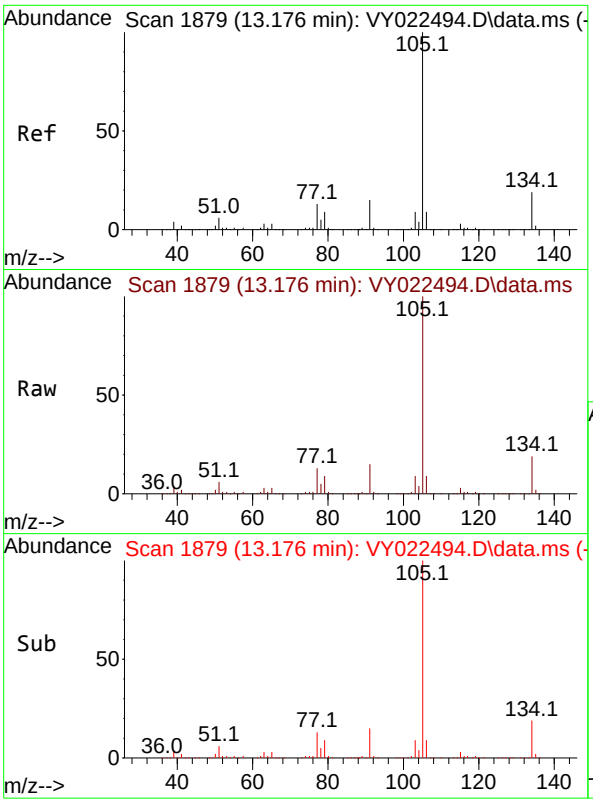


#84
1,2,4-Trimethylbenzene
Concen: 51.088 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:105 Resp: 449372

Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.7	68.1





#85
sec-Butylbenzene
Concen: 51.250 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

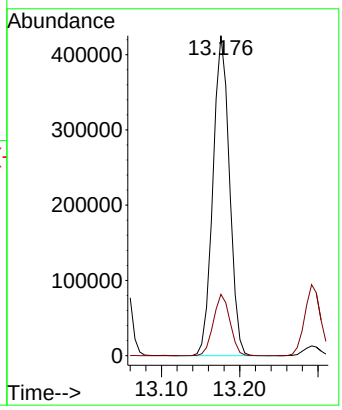
Tgt Ion:105 Resp: 62318

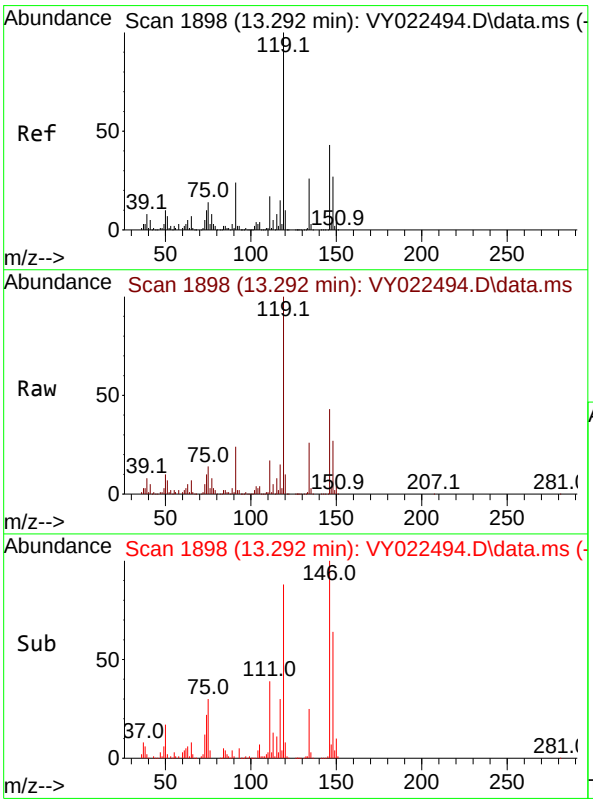
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

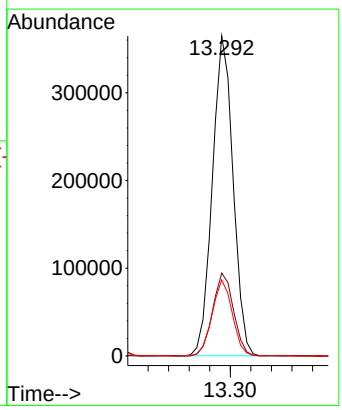


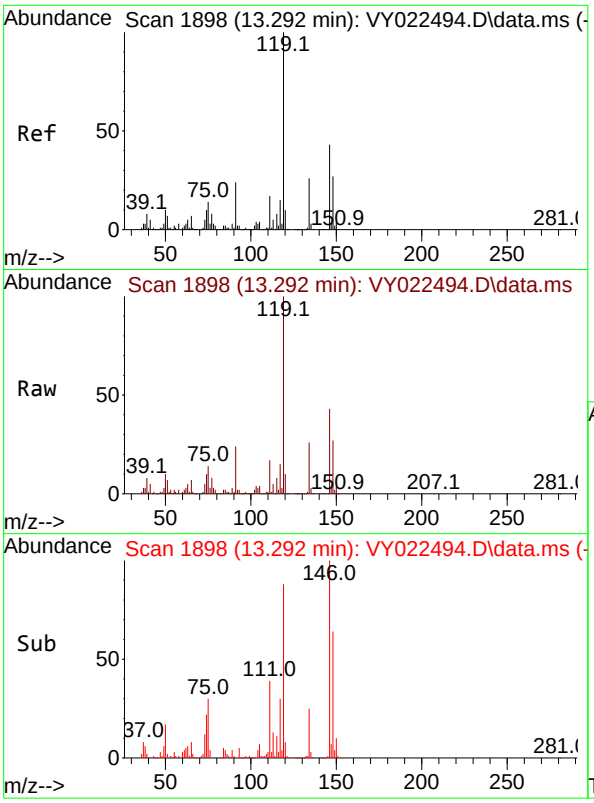


#86
p-Isopropyltoluene
Concen: 51.018 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:119 Resp: 510026

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.1
91	23.2	11.6	34.8

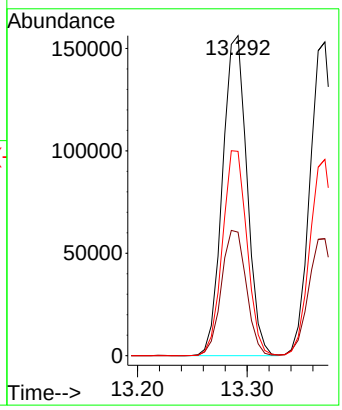




#87
1,3-Dichlorobenzene
Concen: 50.717 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:146 Resp: 24181

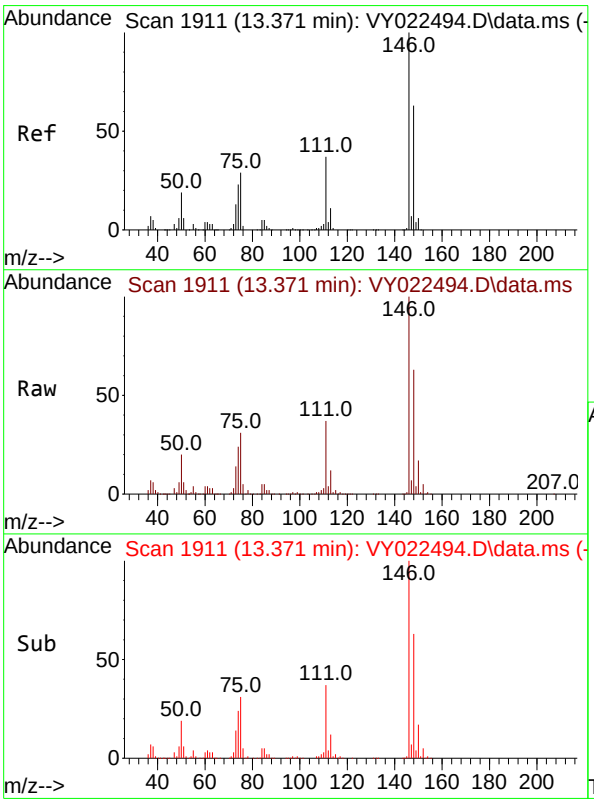
Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.1	60.2
148	64.2	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

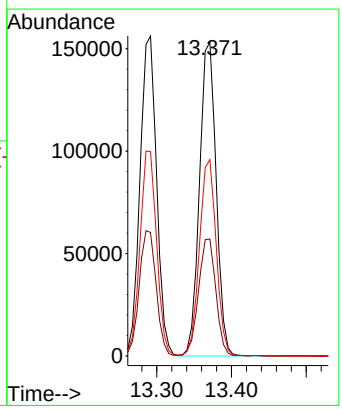
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

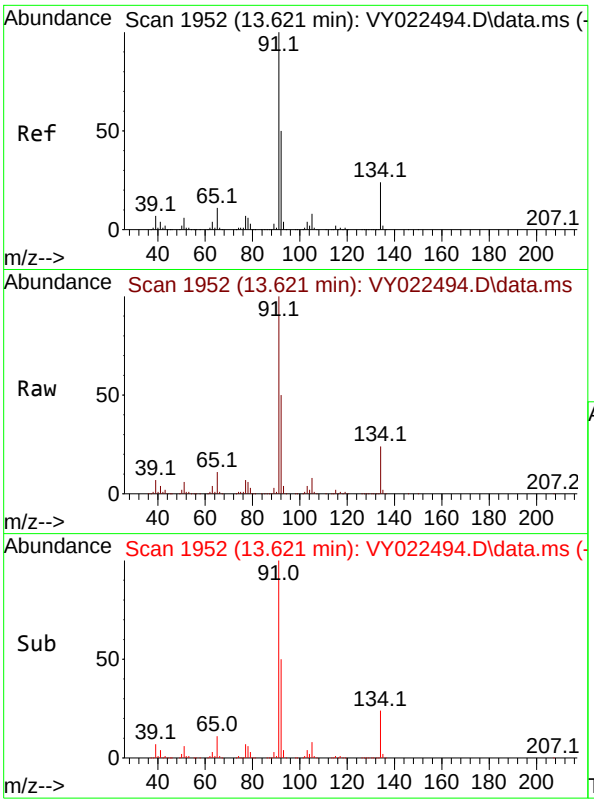


#88
1,4-Dichlorobenzene
Concen: 51.108 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:146 Resp: 237429

Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.2
148	63.2	31.6	94.8

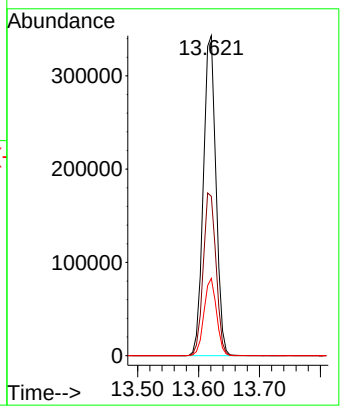




#89
n-Butylbenzene
Concen: 51.811 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 91 Resp: 49315

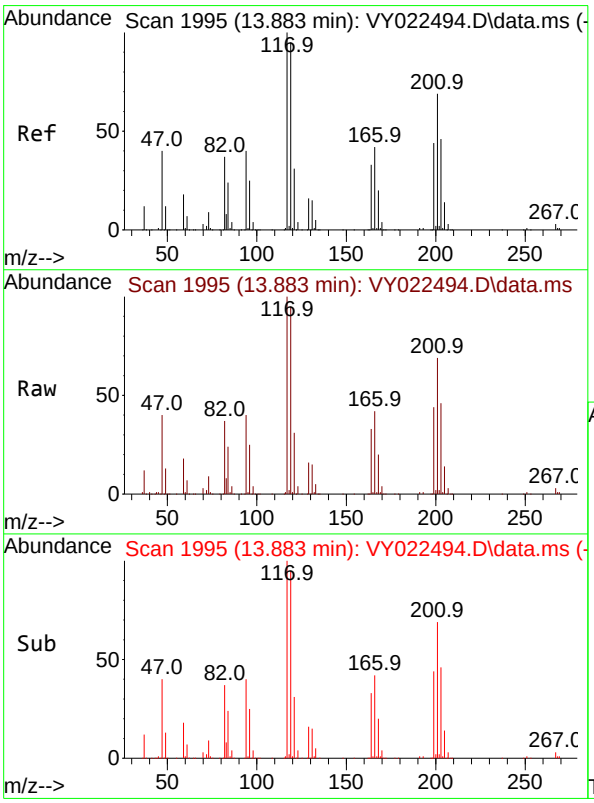
Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.9	77.8
134	24.1	12.0	36.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

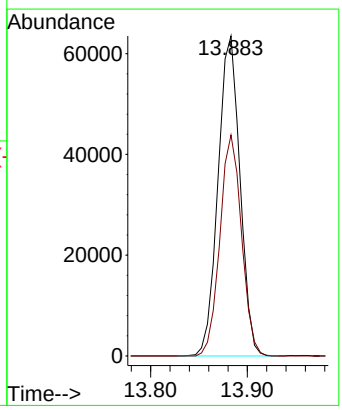
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

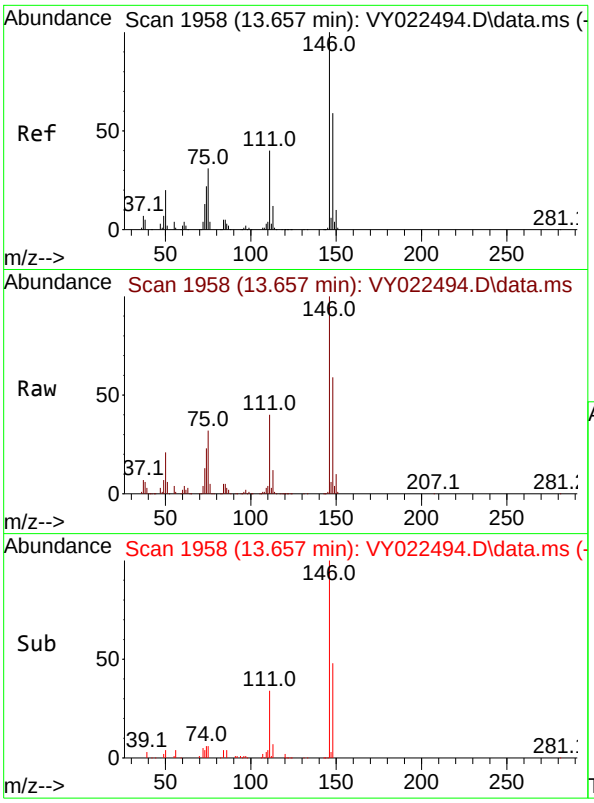


#90
Hexachloroethane
Concen: 51.068 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:117 Resp: 99901

Ion	Ratio	Lower	Upper
117	100		
201	68.0	34.0	102.0

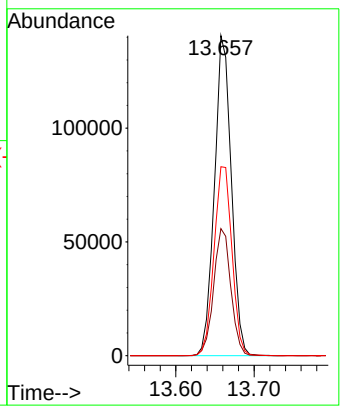




#91
1,2-Dichlorobenzene
Concen: 51.528 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:146 Resp: 21106

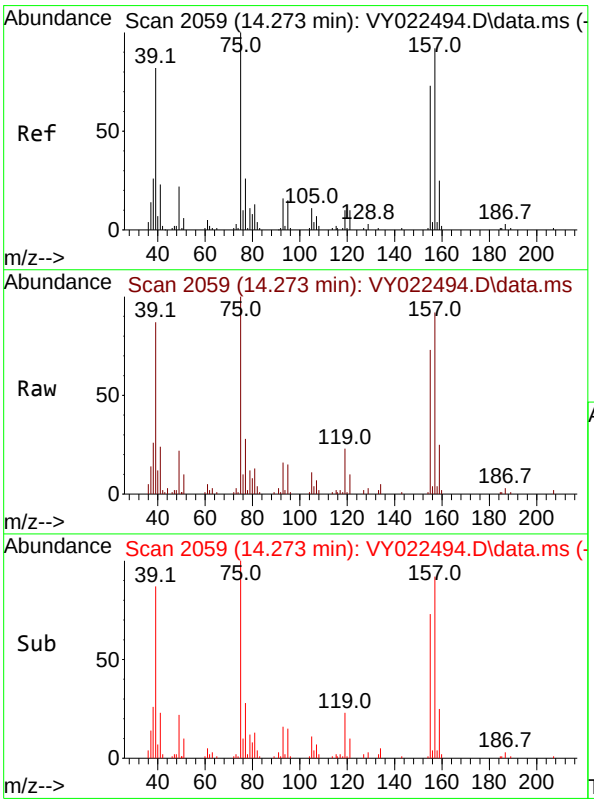
Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.2	60.6
148	62.7	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

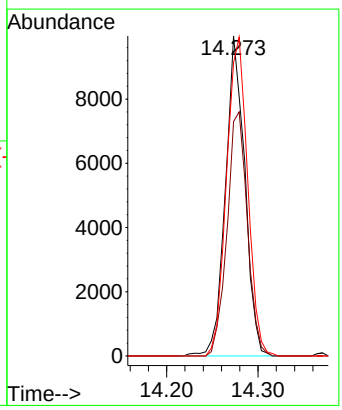
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

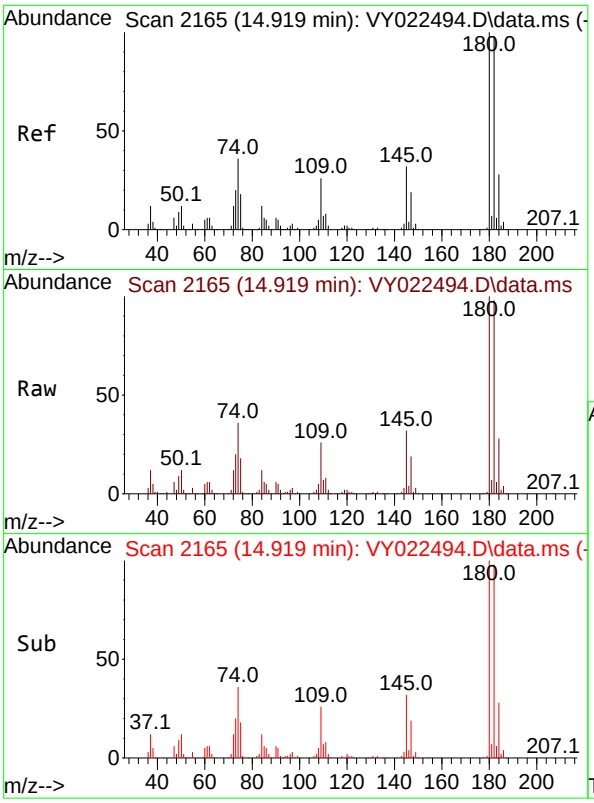


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.244 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 75 Resp: 14697

Ion	Ratio	Lower	Upper
75	100		
155	79.7	39.9	119.6
157	108.0	54.0	162.0

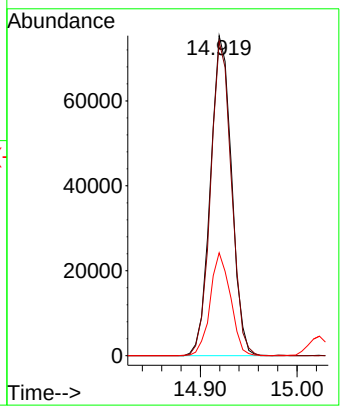




#93
1,2,4-Trichlorobenzene
Concen: 50.919 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:180 Resp: 11400

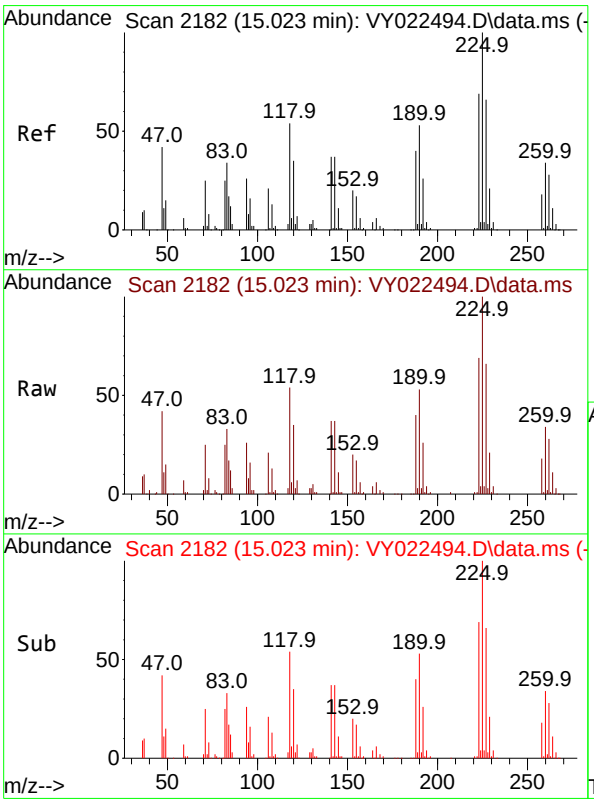
Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.4	145.3
145	31.0	15.5	46.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

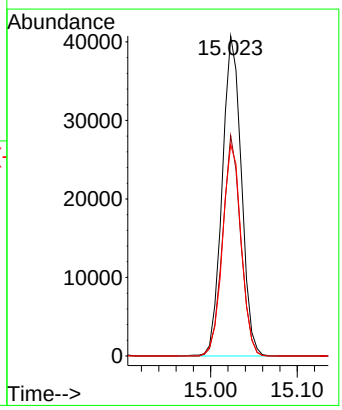
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

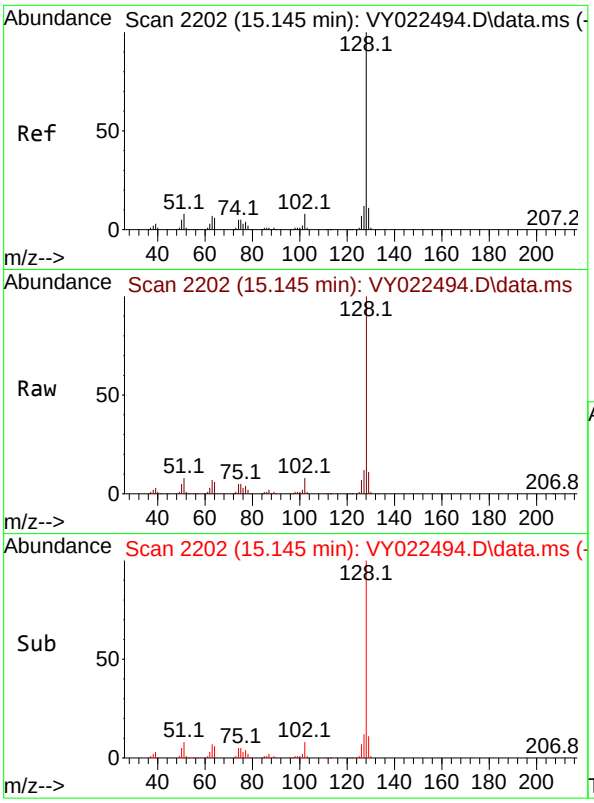


#94
Hexachlorobutadiene
Concen: 51.054 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:225 Resp: 62434

Ion	Ratio	Lower	Upper
225	100		
223	64.9	32.5	97.4
227	64.6	32.3	96.9

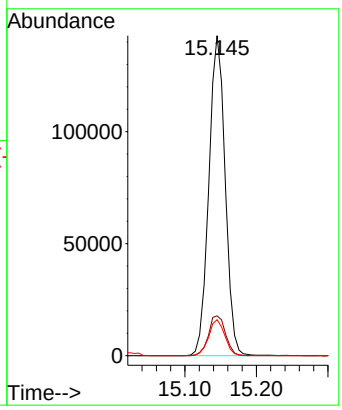




#95
Naphthalene
Concen: 52.686 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:128 Resp: 22607

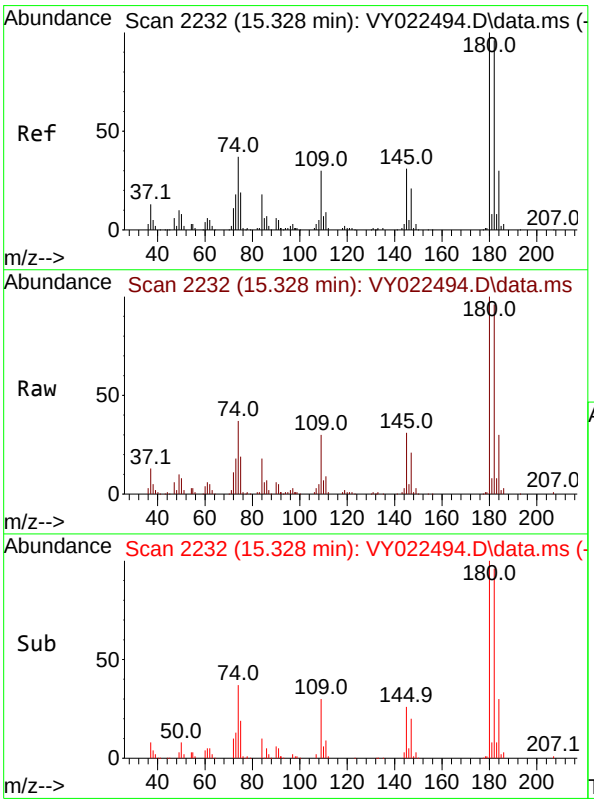
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.1	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

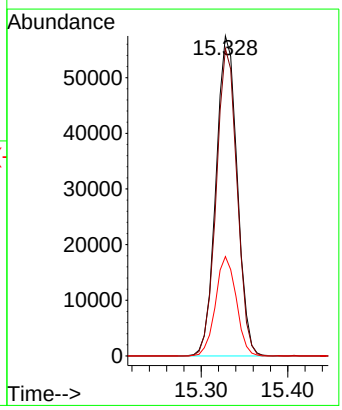
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.295 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:180 Resp: 97609

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.1	141.3
145	30.4	15.2	45.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022495.D
Acq On : 02 Jun 2025 13:17
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:56:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.713	168	220566	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.615	114	362519	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	312741	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	150217	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.067	65	243724	101.553	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 203.100%#				
35) Dibromofluoromethane	7.634	113	222443	104.234	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 208.460%#				
50) Toluene-d8	10.109	98	908424	105.318	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 210.640%#				
62) 4-Bromofluorobenzene	12.407	95	270310	103.359	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 206.720%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	175145	90.872	ug/l		97
3) Chloromethane	2.068	50	519859	91.429	ug/l		99
4) Vinyl Chloride	2.202	62	636843	95.695	ug/l		100
5) Bromomethane	2.592	94	591589	93.980	ug/l		99
6) Chloroethane	2.732	64	414935	91.070	ug/l		96
7) Trichlorofluoromethane	3.049	101	539323	95.384	ug/l		97
8) Diethyl Ether	3.458	74	122923	98.428	ug/l		99
9) 1,1,2-Trichlorotrifluo...	3.817	101	230240	97.074	ug/l		99
10) Methyl Iodide	4.006	142	278576	109.525	ug/l		99
11) Tert butyl alcohol	4.878	59	83900	489.395	ug/l	#	87
12) 1,1-Dichloroethene	3.793	96	224855	99.317	ug/l		97
13) Acrolein	3.653	56	109392	522.746	ug/l		100
14) Allyl chloride	4.390	41	354774	100.560	ug/l		98
15) Acrylonitrile	5.067	53	269411	507.168	ug/l		100
16) Acetone	3.872	43	231202	487.310	ug/l		100
17) Carbon Disulfide	4.110	76	722508	99.952	ug/l		99
18) Methyl Acetate	4.390	43	132608	92.907	ug/l		98
19) Methyl tert-butyl Ether	5.122	73	632873	100.187	ug/l		99
20) Methylene Chloride	4.622	84	241903	91.318	ug/l		97
21) trans-1,2-Dichloroethene	5.122	96	253184	100.103	ug/l		95
22) Diisopropyl ether	6.024	45	794164	101.232	ug/l		98
23) Vinyl Acetate	5.963	43	2424134	520.866	ug/l		99
24) 1,1-Dichloroethane	5.915	63	463641	99.980	ug/l		99
25) 2-Butanone	6.896	43	358881	512.798	ug/l		99
26) 2,2-Dichloropropane	6.890	77	420323	101.961	ug/l		99
27) cis-1,2-Dichloroethene	6.890	96	294837	100.858	ug/l		98
28) Bromochloromethane	7.250	49	206906	103.263	ug/l		100
29) Tetrahydrofuran	7.268	42	226299	501.243	ug/l		99
30) Chloroform	7.426	83	459957	100.373	ug/l		96
31) Cyclohexane	7.707	56	428074	91.723	ug/l		98
32) 1,1,1-Trichloroethane	7.622	97	419389	102.410	ug/l		99
36) 1,1-Dichloropropene	7.841	75	355563	103.070	ug/l		99
37) Ethyl Acetate	6.988	43	159922	105.336	ug/l		98
38) Carbon Tetrachloride	7.823	117	368617	103.651	ug/l		96
39) Methylcyclohexane	9.109	83	481512	103.323	ug/l		99
40) Benzene	8.085	78	1052881	103.542	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022495.D
Acq On : 02 Jun 2025 13:17
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Jun 03 02:56:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	97672m	99.893	ug/l		
42) 1,2-Dichloroethane	8.158	62	286305	103.504	ug/l		98
43) Isopropyl Acetate	8.201	43	344110	103.721	ug/l		98
44) Trichloroethene	8.865	130	253632	102.104	ug/l		100
45) 1,2-Dichloropropane	9.146	63	249363	102.865	ug/l		100
46) Dibromomethane	9.231	93	139349	102.605	ug/l		98
47) Bromodichloromethane	9.426	83	356025	103.321	ug/l		99
48) Methyl methacrylate	9.225	41	163867	107.875	ug/l		99
49) 1,4-Dioxane	9.237	88	31675	1955.012	ug/l		98
51) 4-Methyl-2-Pentanone	9.999	43	884897	537.390	ug/l		98
52) Toluene	10.170	92	676554	105.821	ug/l		100
53) t-1,3-Dichloropropene	10.395	75	339647	106.548	ug/l		96
54) cis-1,3-Dichloropropene	9.859	75	394647	105.579	ug/l		100
55) 1,1,2-Trichloroethane	10.572	97	176386	103.130	ug/l		97
56) Ethyl methacrylate	10.438	69	270253	108.807	ug/l		99
57) 1,3-Dichloropropane	10.719	76	314882	103.374	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	631985	570.744	ug/l		99
59) 2-Hexanone	10.761	43	599356	546.025	ug/l		99
60) Dibromochloromethane	10.914	129	231582	106.862	ug/l		99
61) 1,2-Dibromoethane	11.017	107	162846	103.182	ug/l		97
64) Tetrachloroethene	10.645	164	260085	97.857	ug/l		98
65) Chlorobenzene	11.444	112	700365	103.277	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	241080	104.874	ug/l		99
67) Ethyl Benzene	11.517	91	1343424	106.379	ug/l		100
68) m/p-Xylenes	11.627	106	1027669	215.017	ug/l		99
69) o-Xylene	11.956	106	478106	106.884	ug/l		100
70) Styrene	11.968	104	807331	109.011	ug/l		99
71) Bromoform	12.133	173	129134	106.900	ug/l	#	98
73) Isopropylbenzene	12.255	105	1251781	103.429	ug/l		100
74) N-amyl acetate	12.072	43	331256	108.232	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	201554	102.543	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	153645m	77.478	ug/l		
77) Bromobenzene	12.535	156	260522	101.560	ug/l		99
78) n-propylbenzene	12.596	91	1517453	103.002	ug/l		99
79) 2-Chlorotoluene	12.682	91	801096	102.984	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	983812	103.959	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	72518	104.845	ug/l		97
82) 4-Chlorotoluene	12.779	91	836500	103.758	ug/l		99
83) tert-Butylbenzene	12.999	119	886942	102.740	ug/l		100
84) 1,2,4-Trimethylbenzene	13.041	105	992770	104.854	ug/l		100
85) sec-Butylbenzene	13.175	105	1348209	103.006	ug/l		100
86) p-Isopropyltoluene	13.291	119	1148821	106.760	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	543396	105.879	ug/l		99
88) 1,4-Dichlorobenzene	13.364	146	503842	100.757	ug/l		98
89) n-Butylbenzene	13.621	91	1062595	103.713	ug/l		99
90) Hexachloroethane	13.883	117	213148	101.224	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	447574	101.511	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	29357	98.805	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	255752	106.117	ug/l		97
94) Hexachlorobutadiene	15.023	225	132452	100.622	ug/l		99
95) Naphthalene	15.145	128	499554	108.155	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	213300	104.136	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022495.D
Acq On : 02 Jun 2025 13:17
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:56:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 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_Y\Data\VY060225\
Data File : VY022495.D
Acq On : 02 Jun 2025 13:17
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 03 02:56:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
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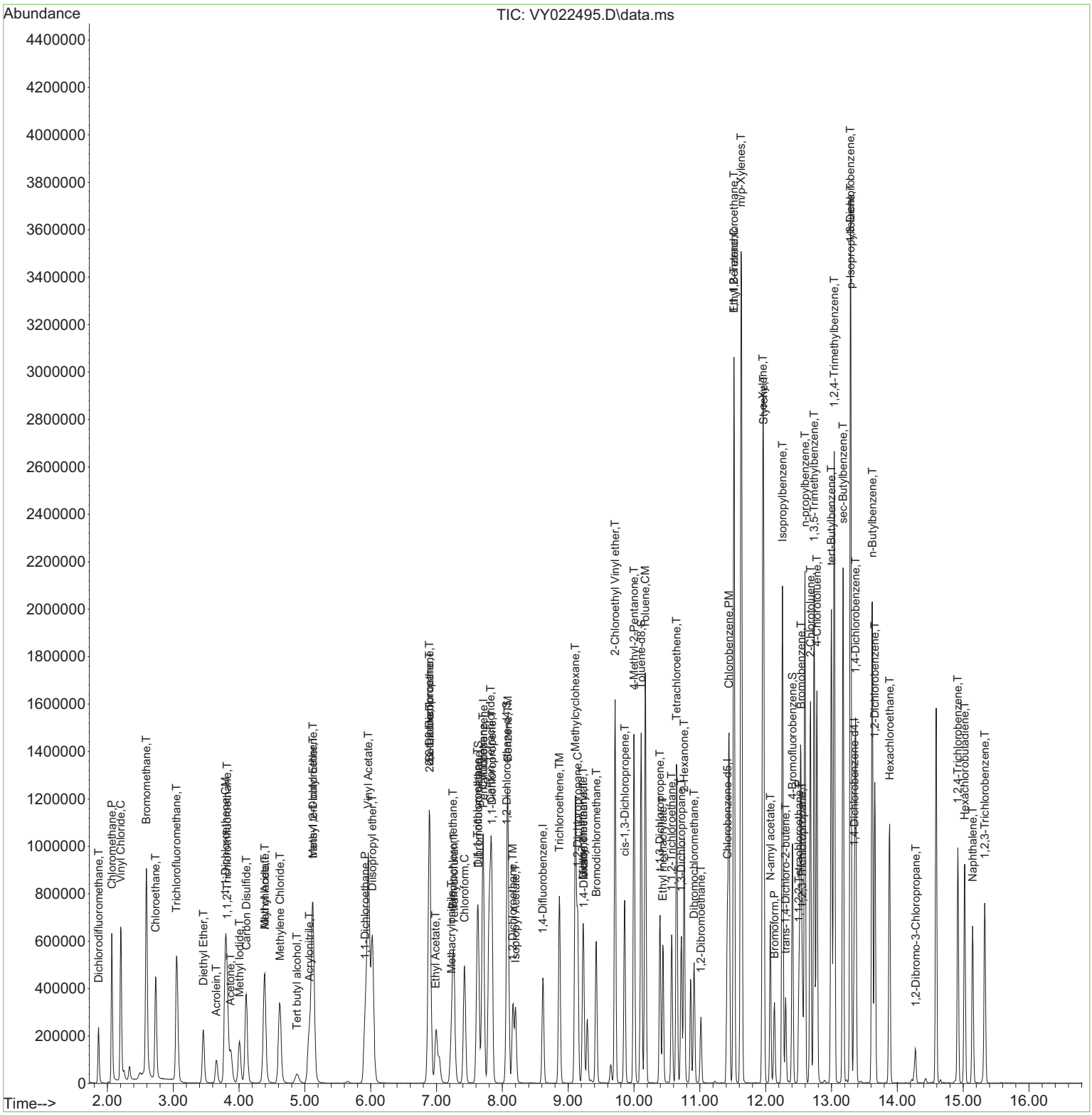
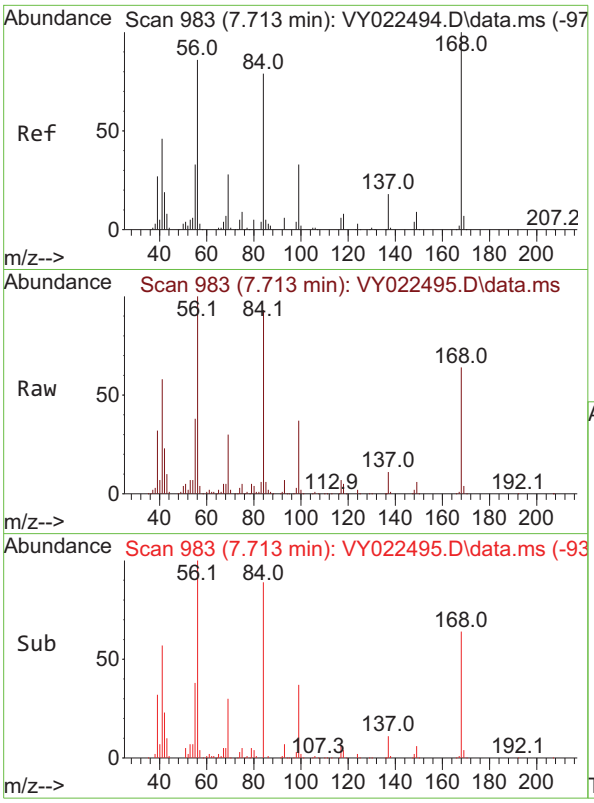
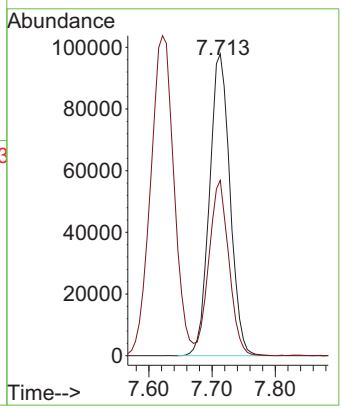




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:168 Resp: 22056

Ion	Ratio	Lower	Upper
168	100		
99	58.1	44.3	66.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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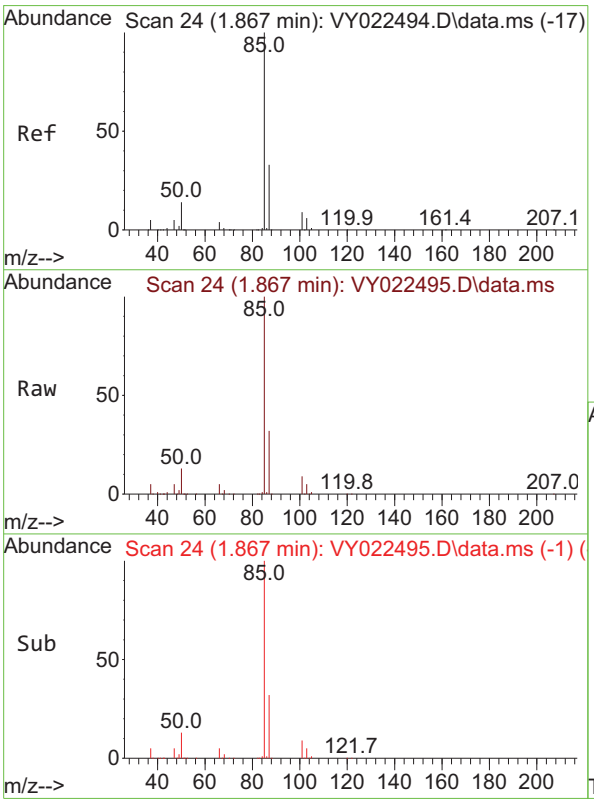
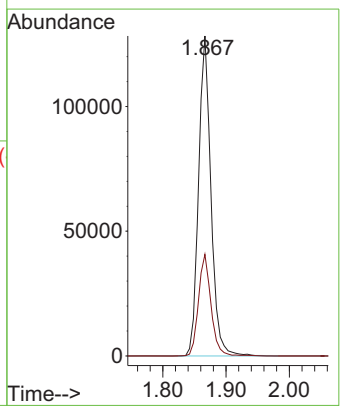
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

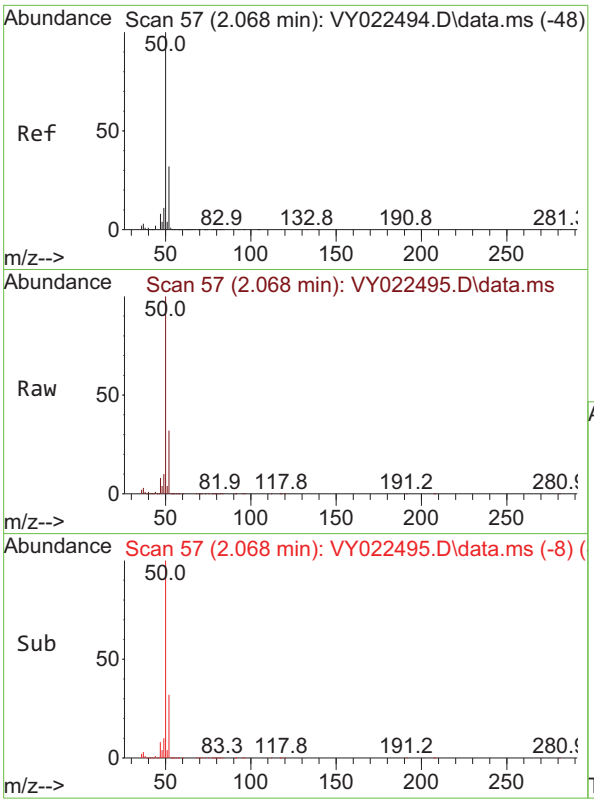


#2
Dichlorodifluoromethane
Concen: 90.872 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 85 Resp: 175145

Ion	Ratio	Lower	Upper
85	100		
87	31.8	16.7	50.0

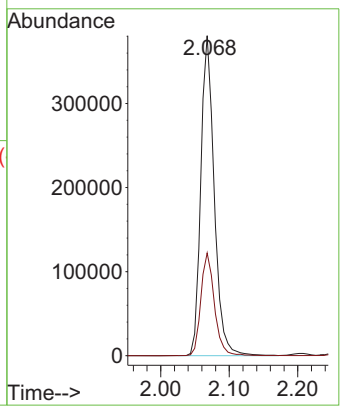




#3
Chloromethane
Concen: 91.429 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 50 Resp: 51985

Ion	Ratio	Lower	Upper
50	100		
52	32.1	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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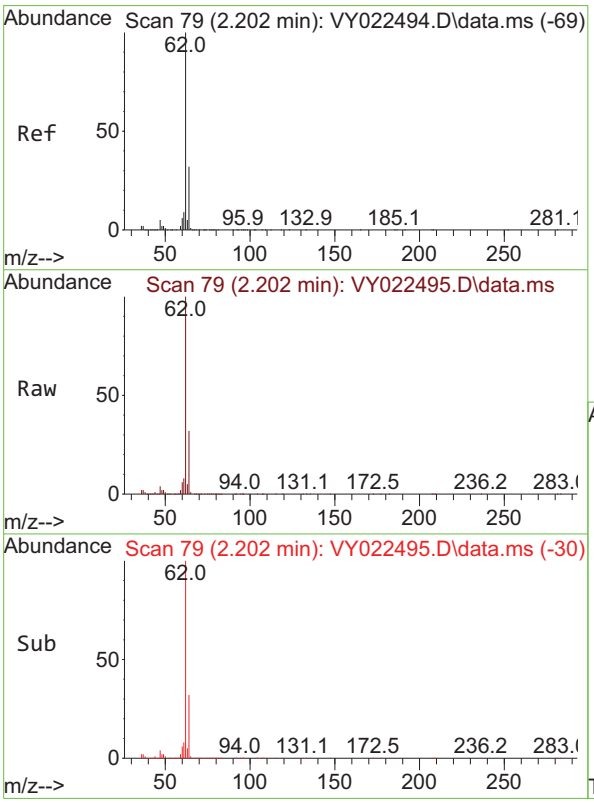
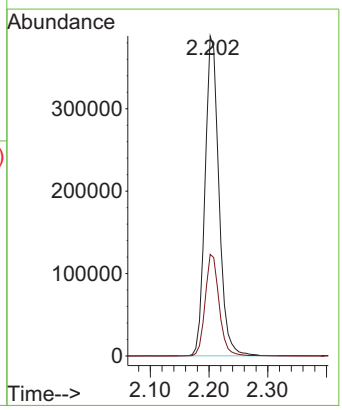
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

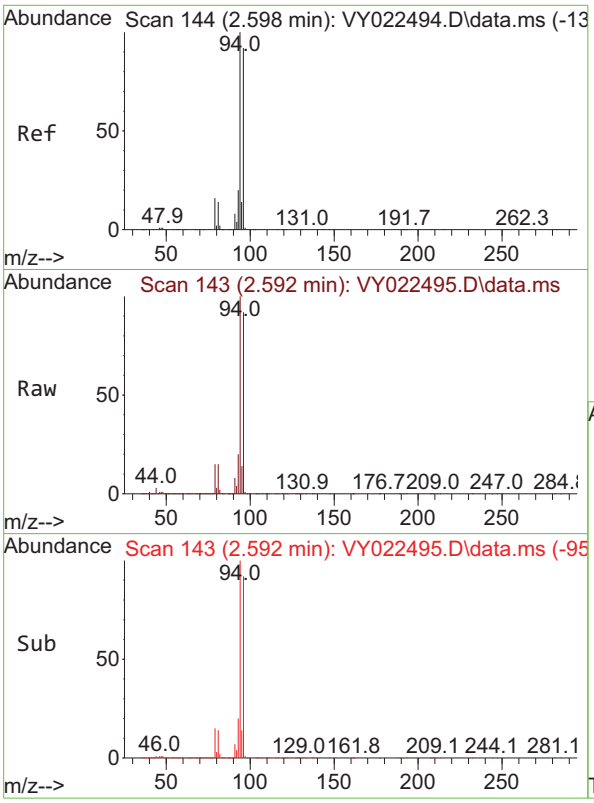


#4
Vinyl Chloride
Concen: 95.695 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 62 Resp: 636843

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.3	37.9

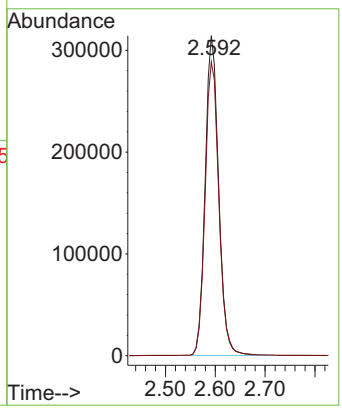




#5
Bromomethane
Concen: 93.980 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 94 Resp: 59158

Ion	Ratio	Lower	Upper
94	100		
96	91.7	74.0	111.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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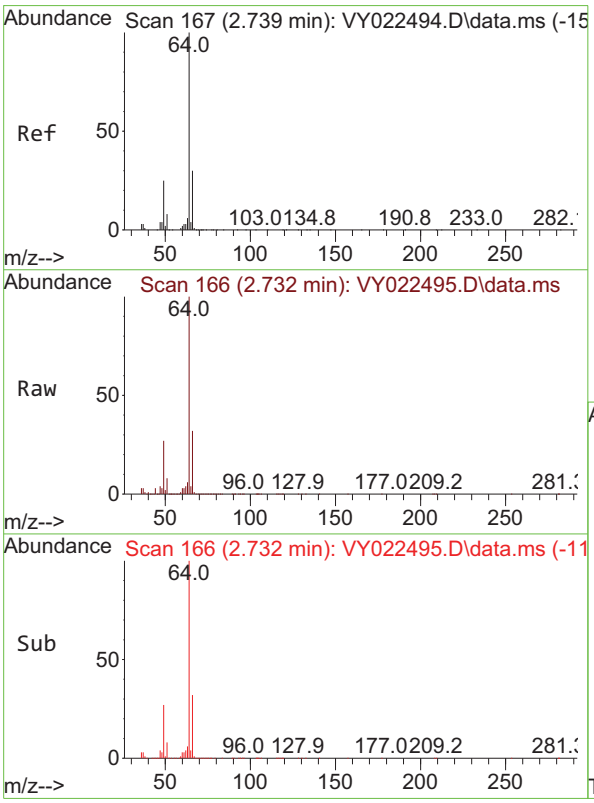
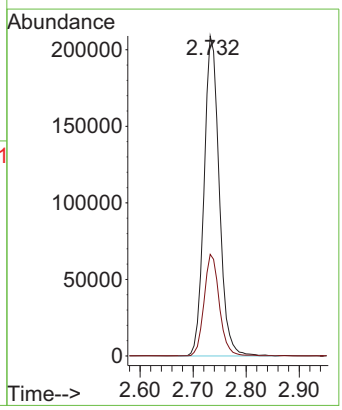
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

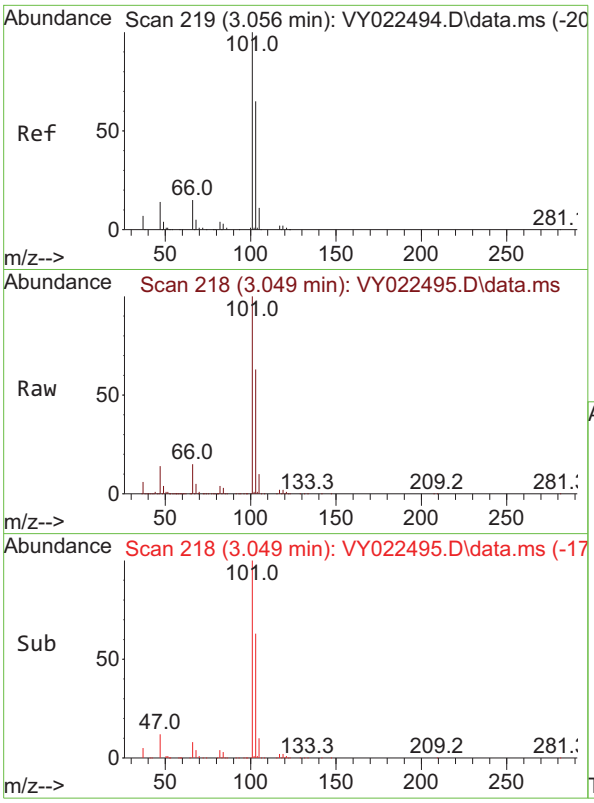


#6
Chloroethane
Concen: 91.070 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 64 Resp: 414935

Ion	Ratio	Lower	Upper
64	100		
66	31.7	23.8	35.6

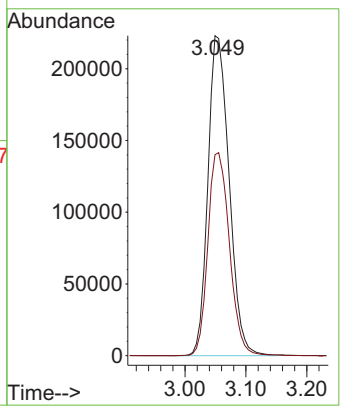




#7
Trichlorofluoromethane
Concen: 95.384 ug/l
RT: 3.049 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:101 Resp: 53932

Ion	Ratio	Lower	Upper
101	100		
103	62.8	52.2	78.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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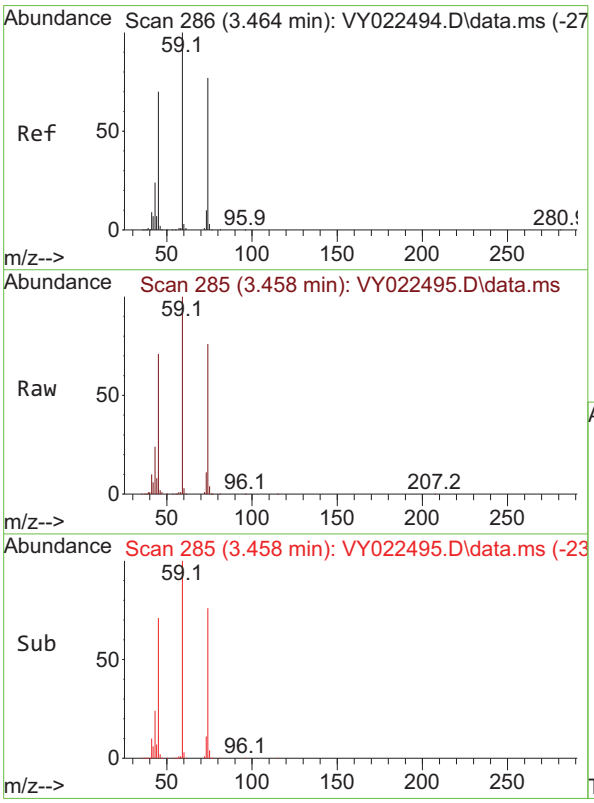
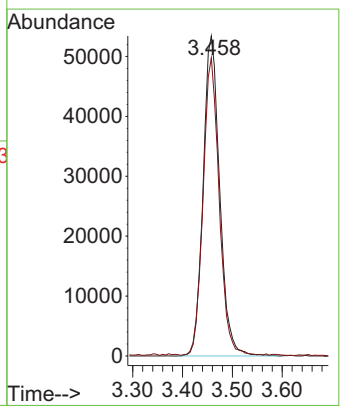
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

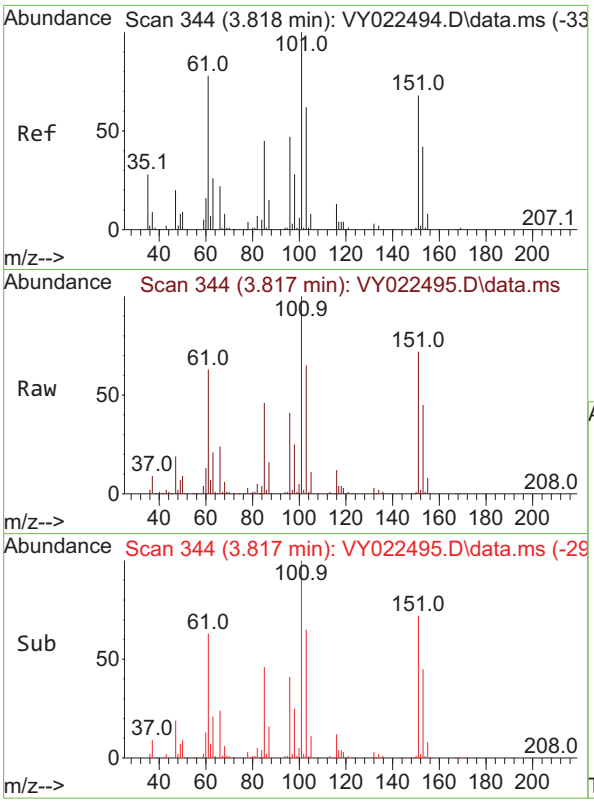


#8
Diethyl Ether
Concen: 98.428 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 74 Resp: 122923

Ion	Ratio	Lower	Upper
74	100		
45	90.6	45.9	137.6

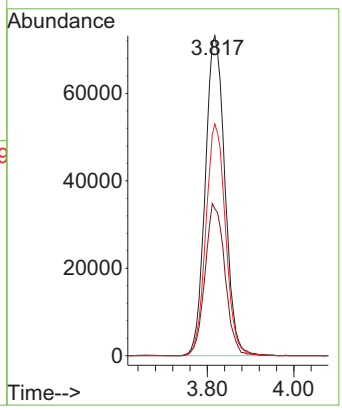




#9
1,1,2-Trichlorotrifluoroethane
Concen: 97.074 ug/l
RT: 3.817 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:101 Resp: 23024

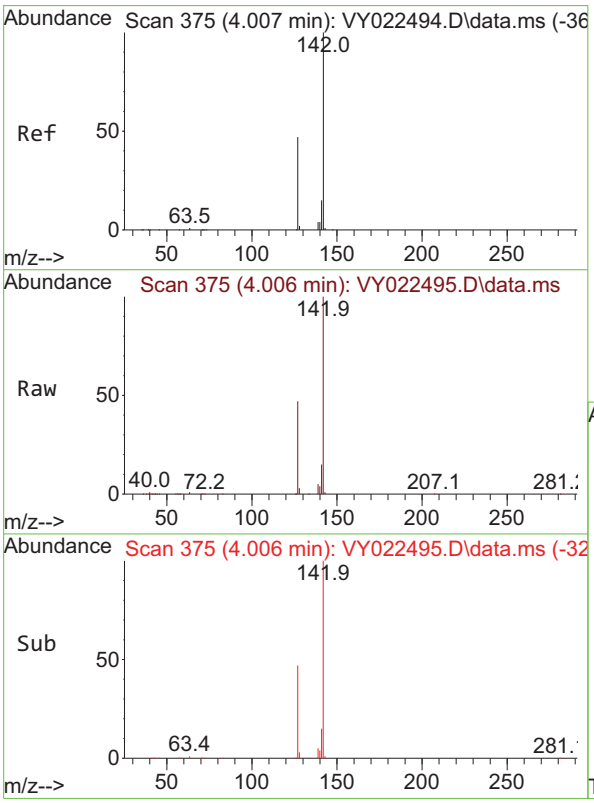
Ion	Ratio	Lower	Upper
101	100		
85	48.1	39.3	58.9
151	72.4	57.8	86.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

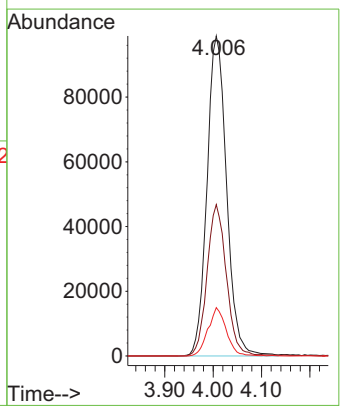
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

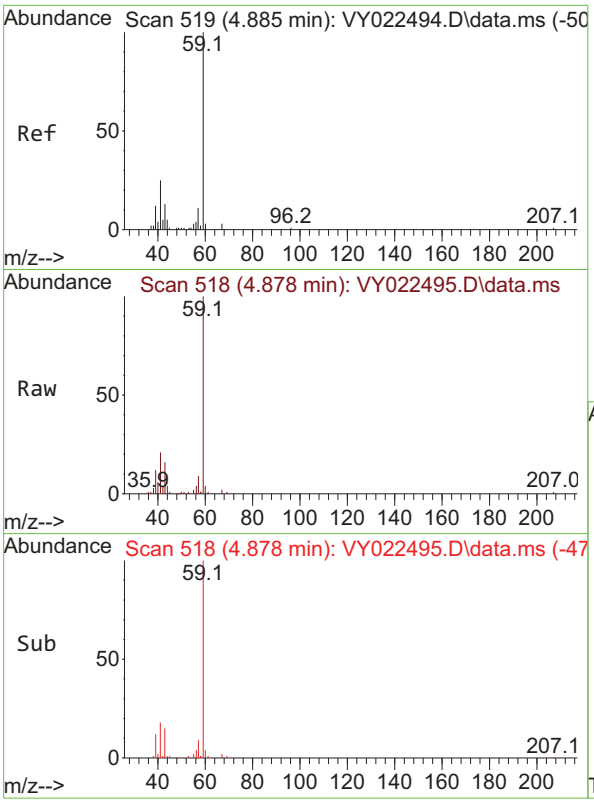


#10
Methyl Iodide
Concen: 109.525 ug/l
RT: 4.006 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:142 Resp: 278576

Ion	Ratio	Lower	Upper
142	100		
127	47.0	37.1	55.7
141	14.2	11.4	17.2

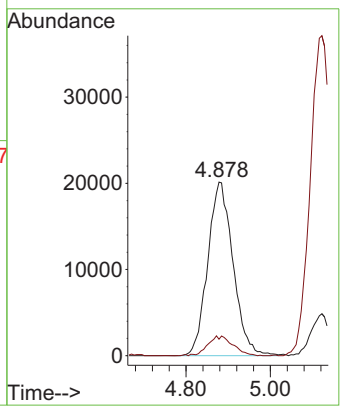




#11
Tert butyl alcohol
Concen: 489.395 ug/l
RT: 4.878 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 59 Resp: 8390

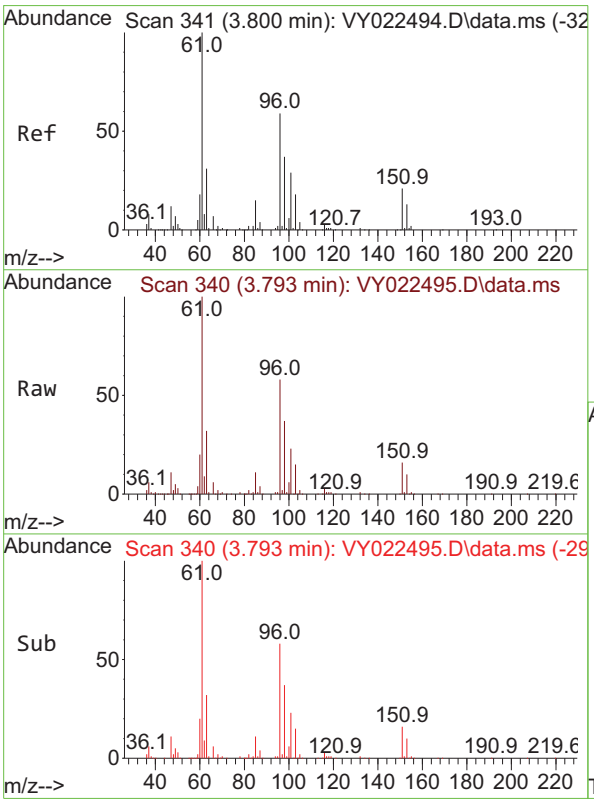
Ion	Ratio	Lower	Upper
59	100		
57	5.4	8.0	12.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

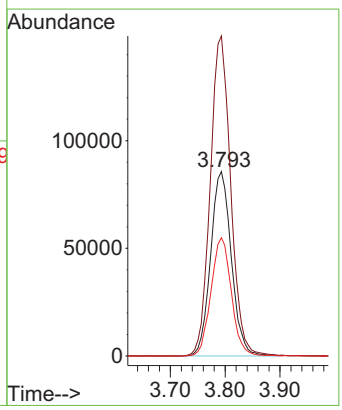
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

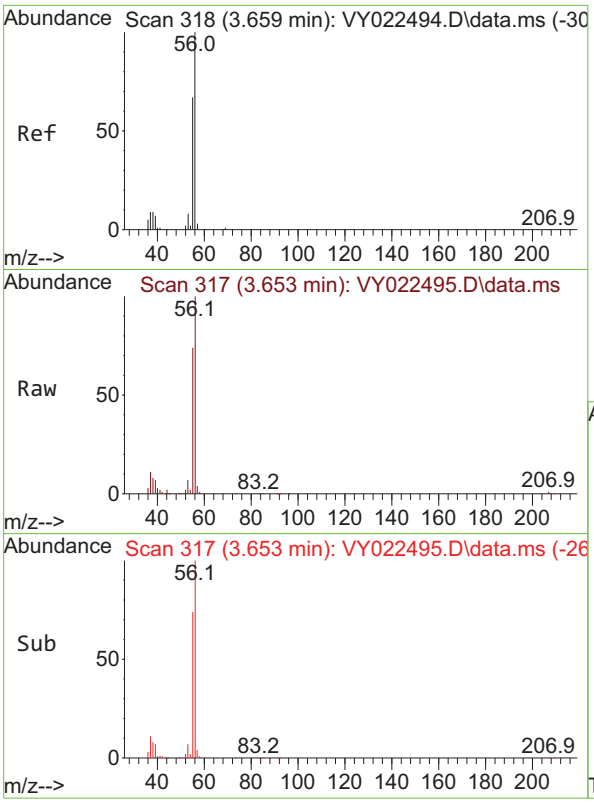


#12
1,1-Dichloroethene
Concen: 99.317 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 96 Resp: 224855

Ion	Ratio	Lower	Upper
96	100		
61	173.6	134.6	201.8
98	64.1	50.2	75.4

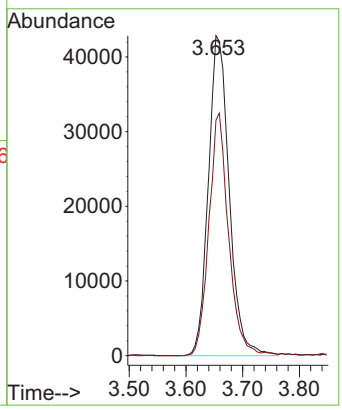




#13
Acrolein
Concen: 522.746 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 56 Resp: 10939

Ion	Ratio	Lower	Upper
56	100		
55	71.1	57.0	85.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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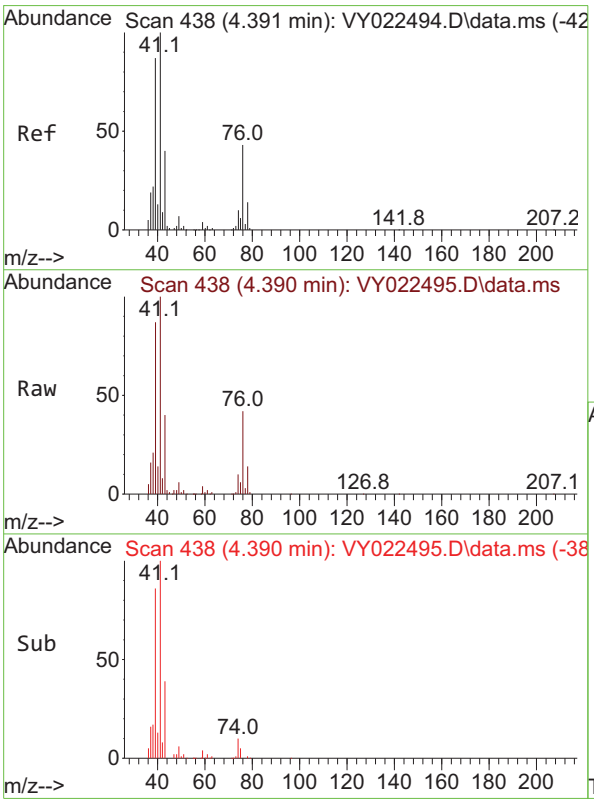
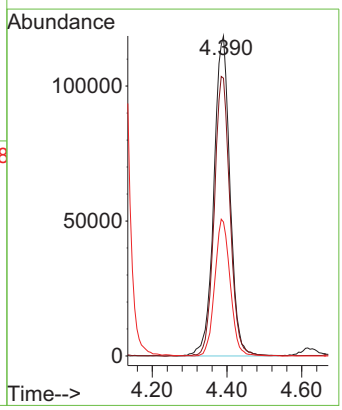
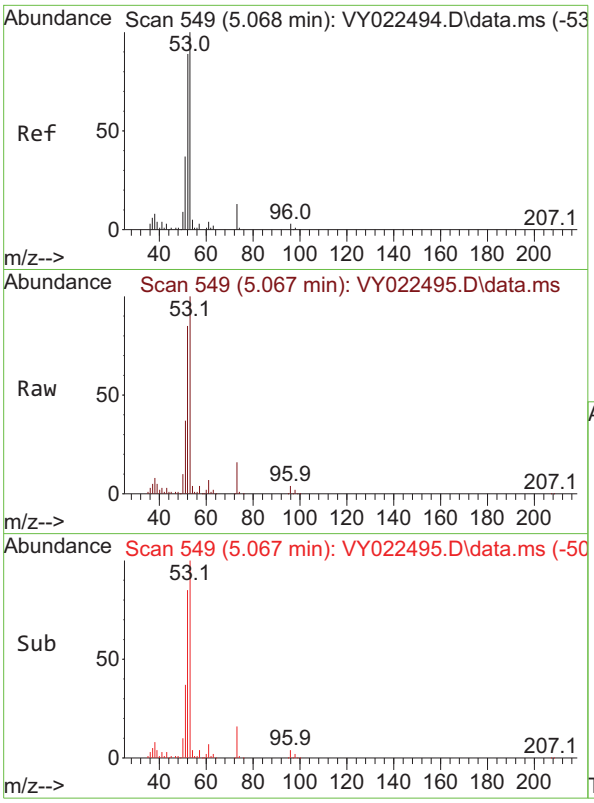


#14
Allyl chloride
Concen: 100.560 ug/l
RT: 4.390 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 41 Resp: 354774

Ion	Ratio	Lower	Upper
41	100		
39	85.0	69.1	103.7
76	40.8	33.5	50.3

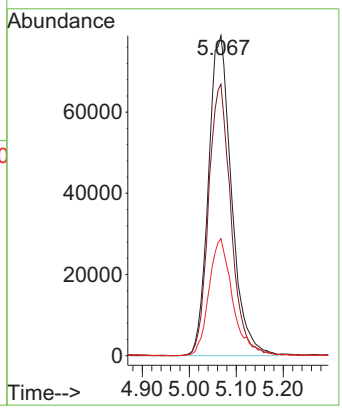




#15
Acrylonitrile
Concen: 507.168 ug/l
RT: 5.067 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 53 Resp: 26941

Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.7	98.5
51	37.8	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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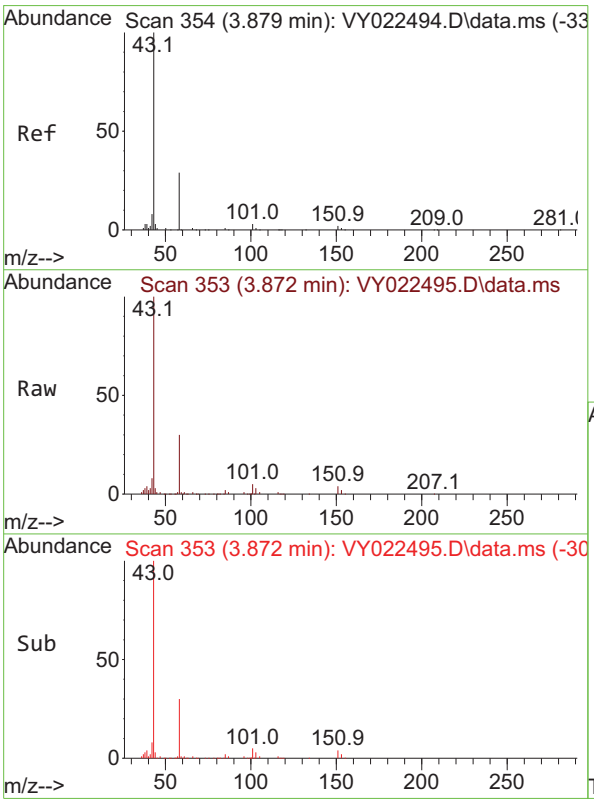
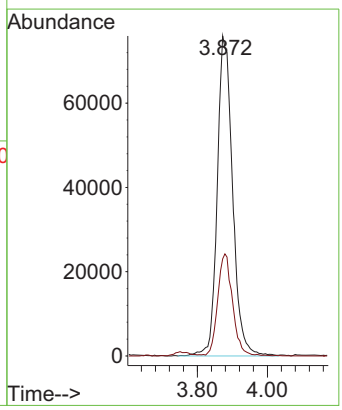
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

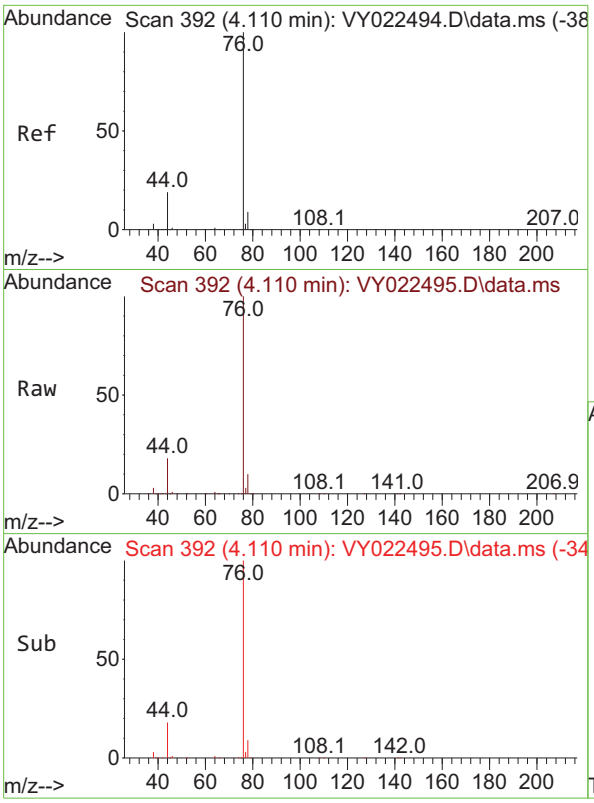


#16
Acetone
Concen: 487.310 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 43 Resp: 231202

Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.0	36.0





#17
Carbon Disulfide
Concen: 99.952 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 76 Resp: 72250

Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.4	11.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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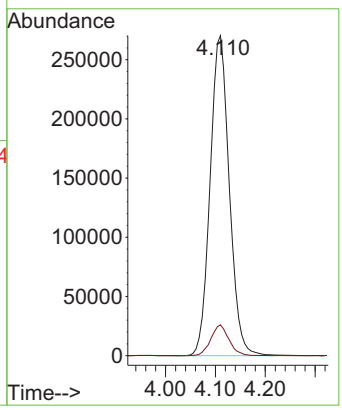
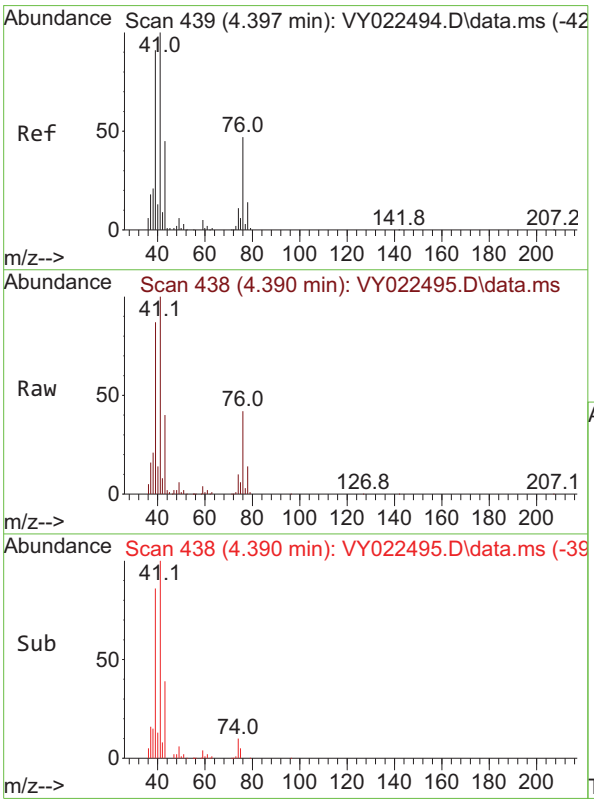
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

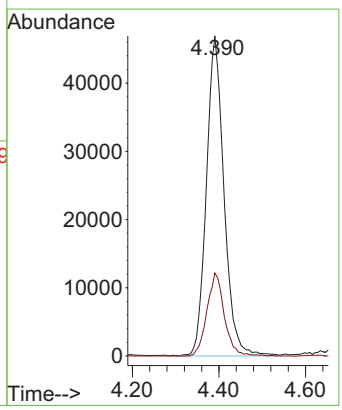


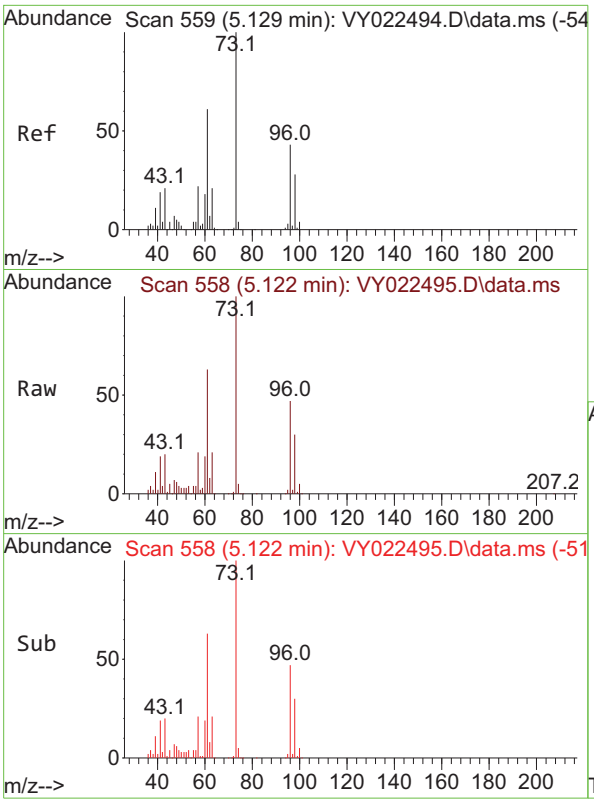


#18
Methyl Acetate
Concen: 92.907 ug/l
RT: 4.390 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 43 Resp: 132608

Ion	Ratio	Lower	Upper
43	100		
74	25.5	19.8	29.6

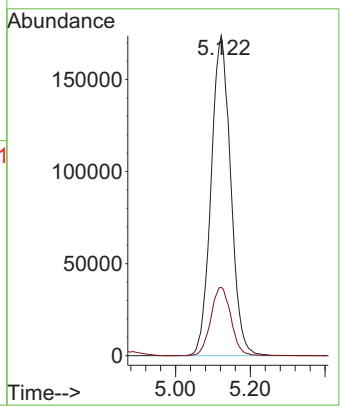




#19
Methyl tert-butyl Ether
Concen: 100.187 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 73 Resp: 63287

Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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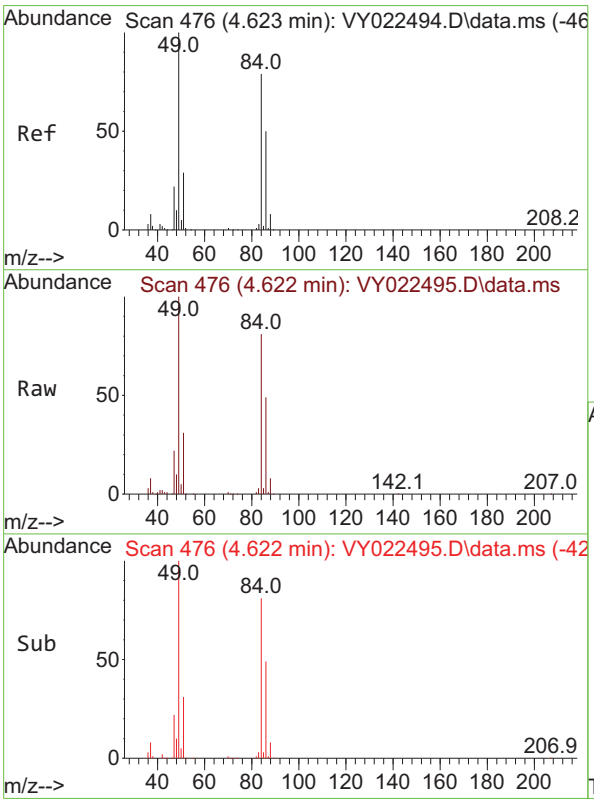
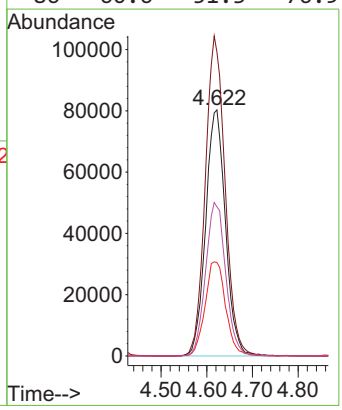
Supervised By :Mahesh Dadoda 06/03/2025

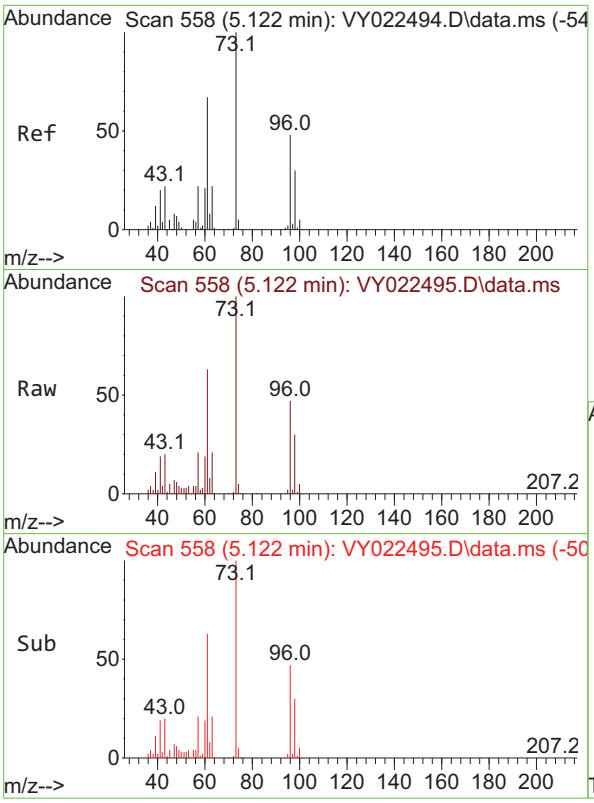


#20
Methylene Chloride
Concen: 91.318 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 84 Resp: 241903

Ion	Ratio	Lower	Upper
84	100		
49	123.5	101.9	152.9
51	38.0	29.8	44.8
86	60.6	51.3	76.9

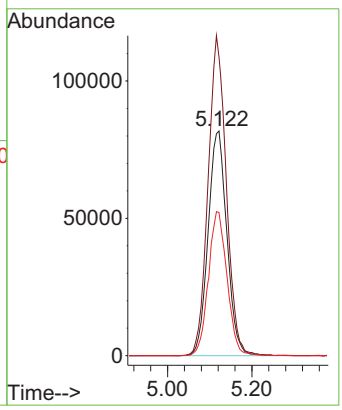




#21
trans-1,2-Dichloroethene
Concen: 100.103 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 96 Resp: 25318

Ion	Ratio	Lower	Upper
96	100		
61	132.9	112.6	169.0
98	63.7	50.6	75.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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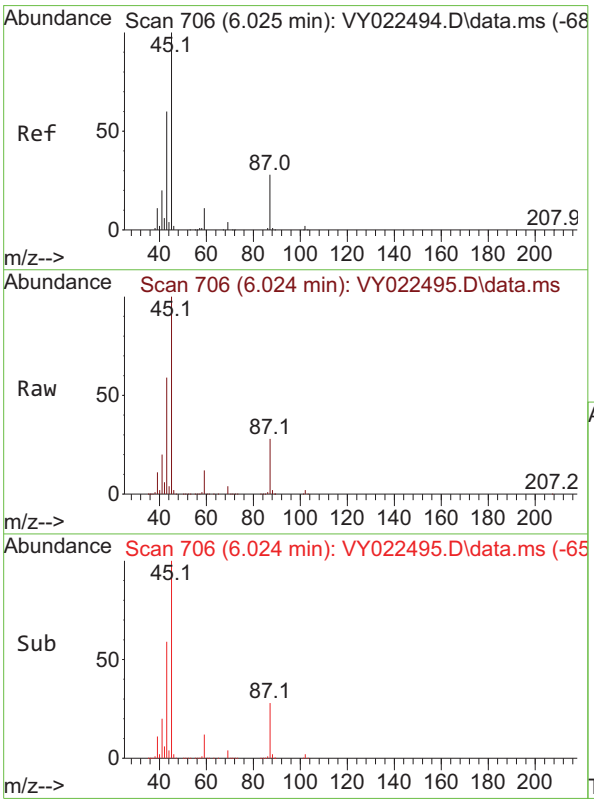
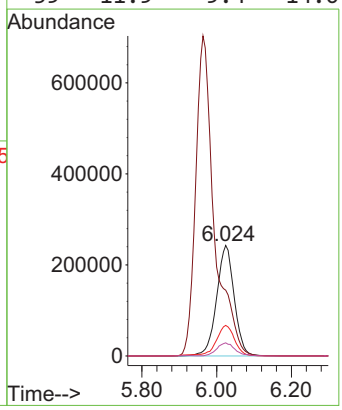
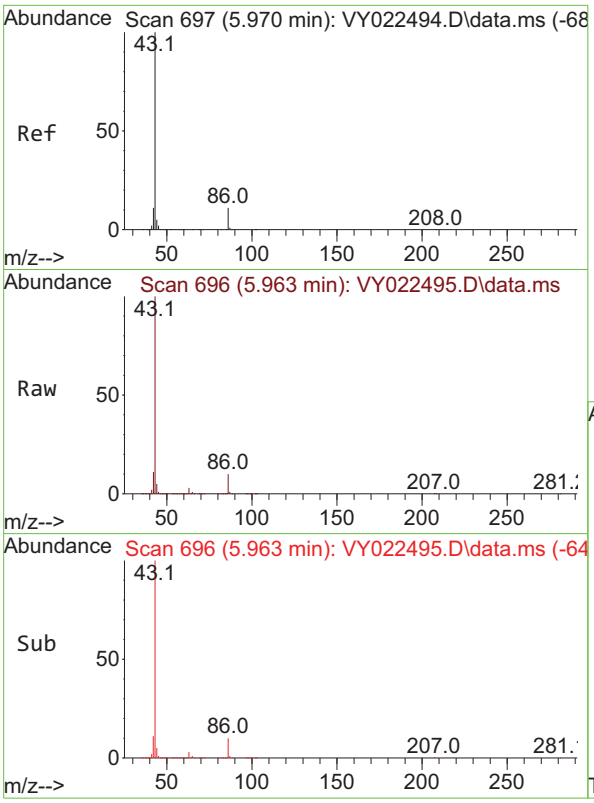


#22
Diisopropyl ether
Concen: 101.232 ug/l
RT: 6.024 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 45 Resp: 794164

Ion	Ratio	Lower	Upper
45	100		
43	59.3	48.3	72.5
87	27.6	23.0	34.6
59	11.9	9.4	14.0





#23
Vinyl Acetate
Concen: 520.866 ug/l
RT: 5.963 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 43 Resp: 242413

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.6	12.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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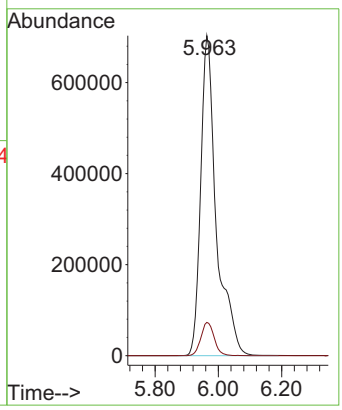
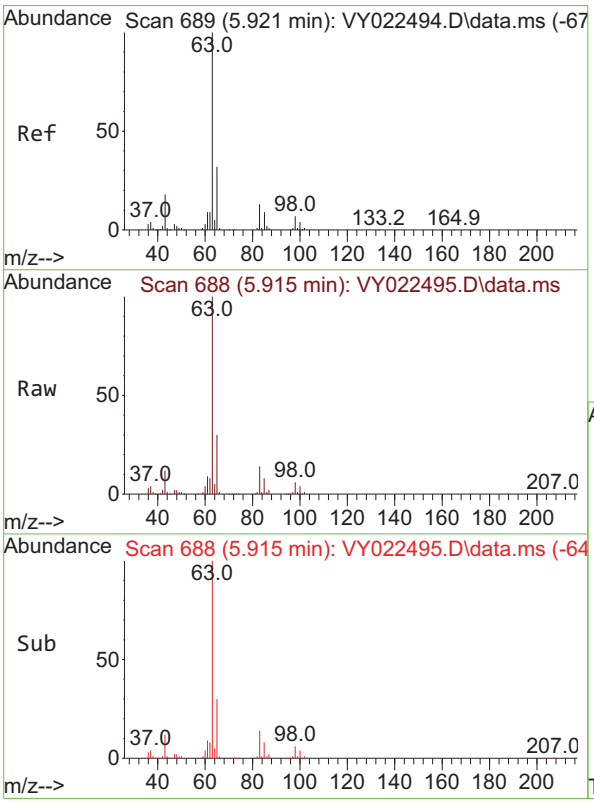
Supervised By :Mahesh Dadoda 06/03/2025

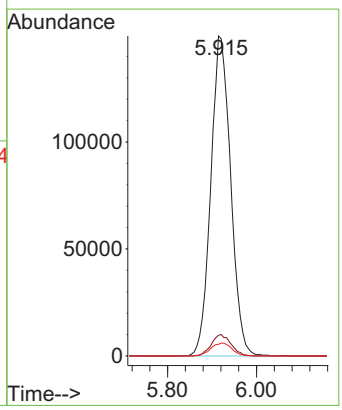


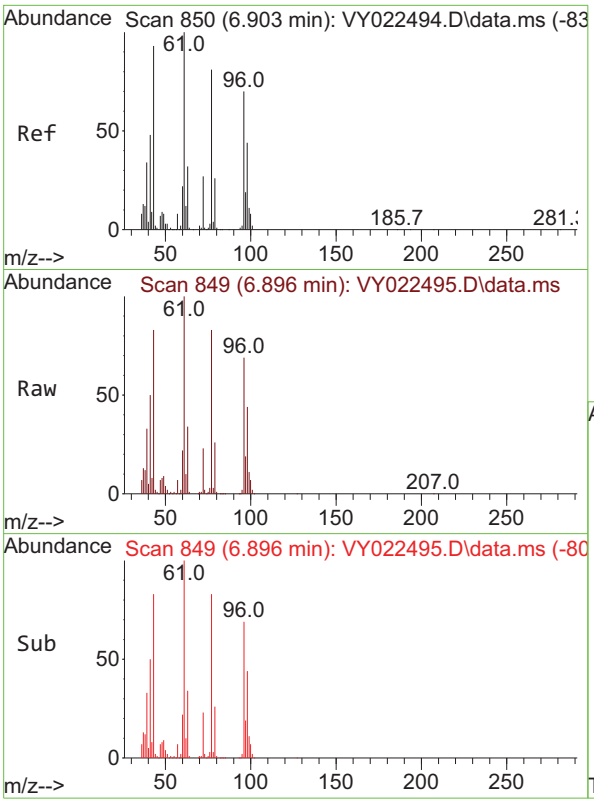


#24
1,1-Dichloroethane
Concen: 99.980 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 63 Resp: 463641

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.4	10.1
100	3.7	2.1	6.3





#25
2-Butanone
Concen: 512.798 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 43 Resp: 35888

Ion	Ratio	Lower	Upper
43	100		
72	28.3	22.9	34.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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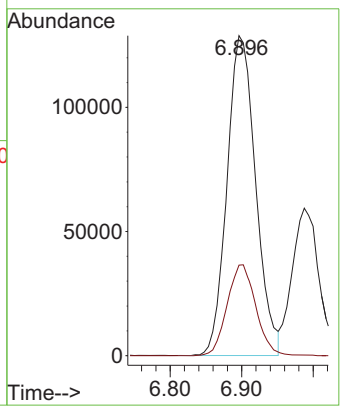
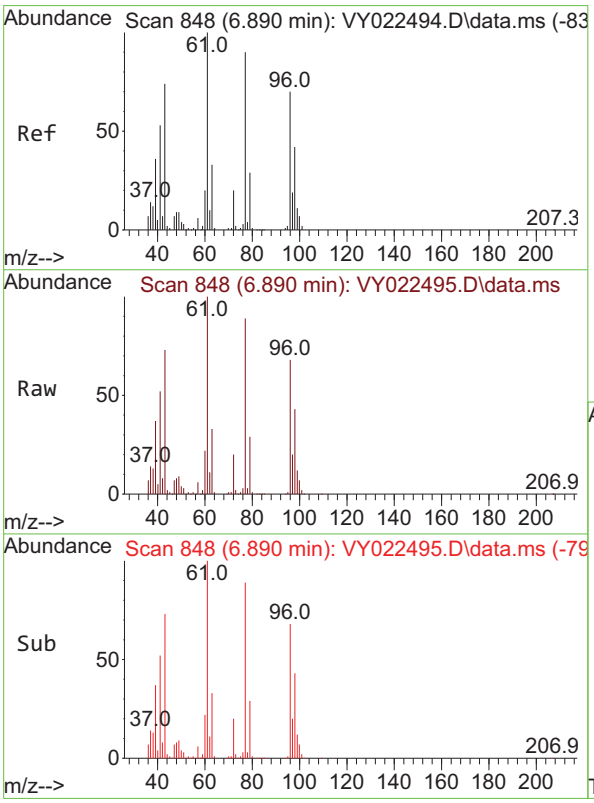
Supervised By :Mahesh Dadoda 06/03/2025

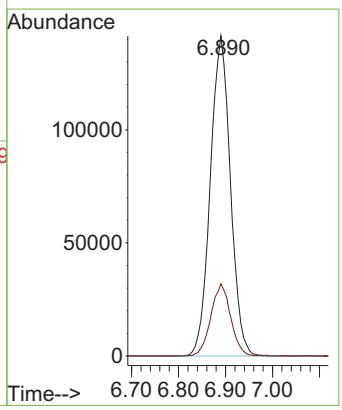


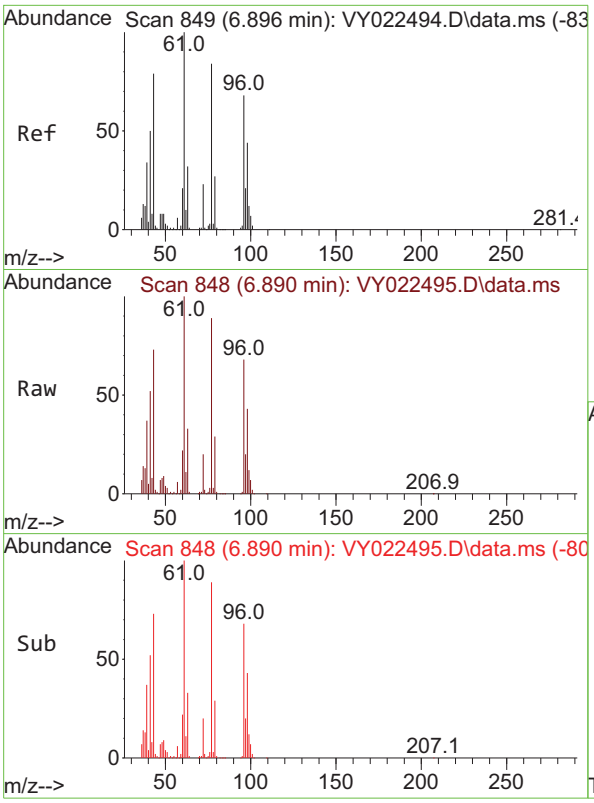


#26
2,2-Dichloropropane
Concen: 101.961 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 77 Resp: 420323

Ion	Ratio	Lower	Upper
77	100		
97	22.2	11.4	34.2





#27
cis-1,2-Dichloroethene
Concen: 100.858 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 96 Resp: 29483

Ion	Ratio	Lower	Upper
96	100		
61	149.1	0.0	290.0
98	64.1	0.0	128.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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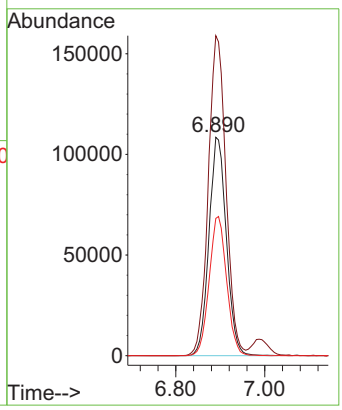
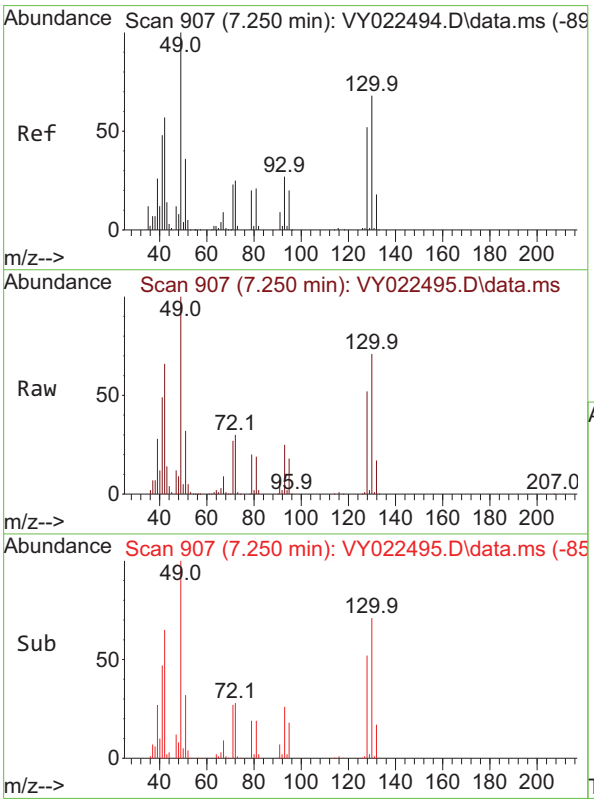
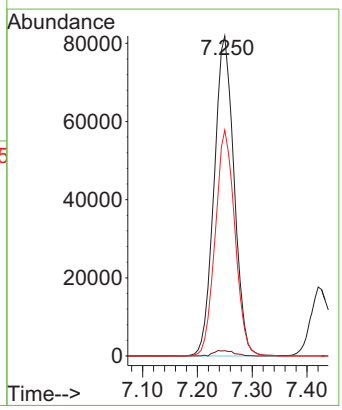


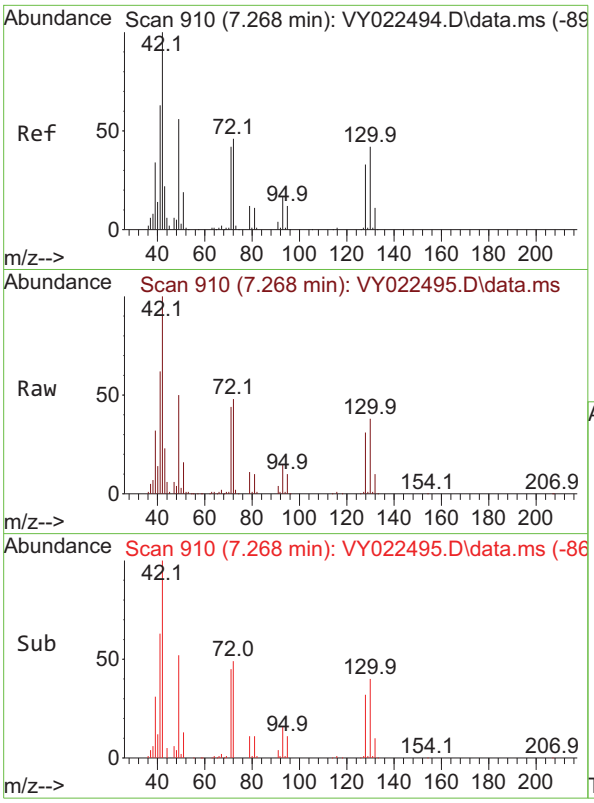


#28
Bromochloromethane
Concen: 103.263 ug/l
RT: 7.250 min Scan# 907
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 49 Resp: 206906

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	69.7	55.7	83.5

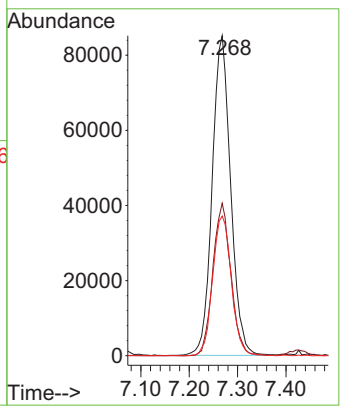




#29
Tetrahydrofuran
Concen: 501.243 ug/l
RT: 7.268 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 42 Resp: 22629

Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.4	56.2
71	44.1	34.2	51.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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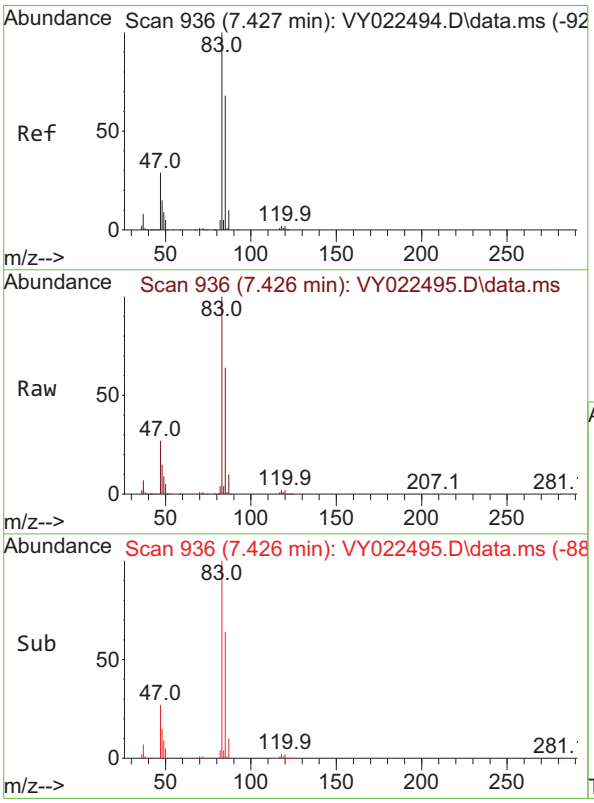
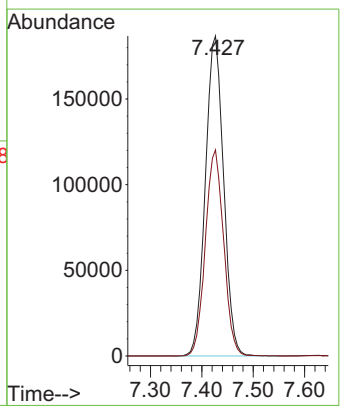
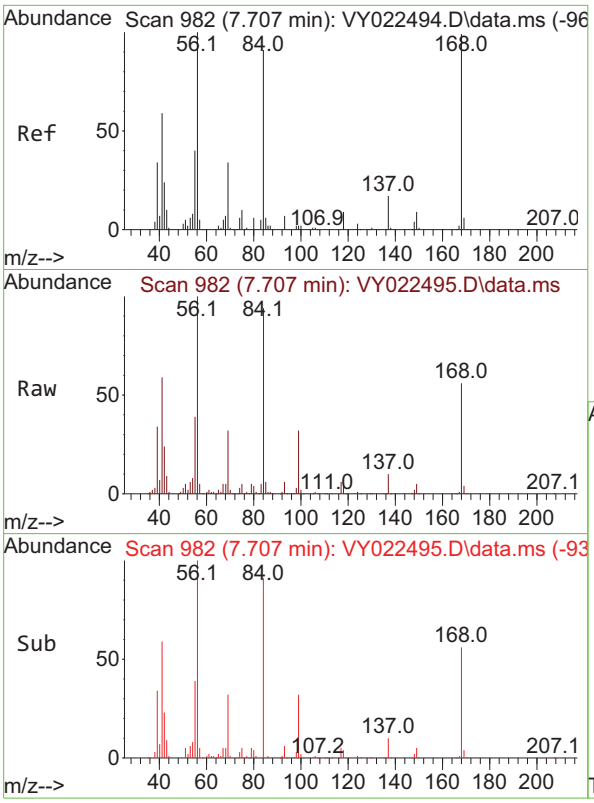


#30
Chloroform
Concen: 100.373 ug/l
RT: 7.426 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 83 Resp: 459957

Ion	Ratio	Lower	Upper
83	100		
85	64.4	54.2	81.4

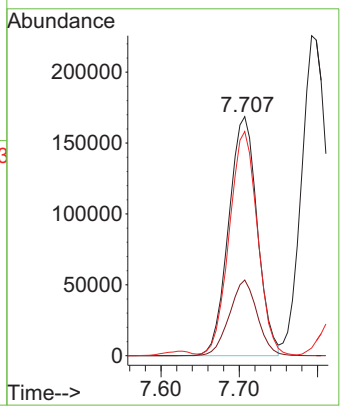




#31
Cyclohexane
Concen: 91.723 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 56 Resp: 42807

Ion	Ratio	Lower	Upper
56	100		
69	31.6	27.0	40.6
84	91.9	72.6	109.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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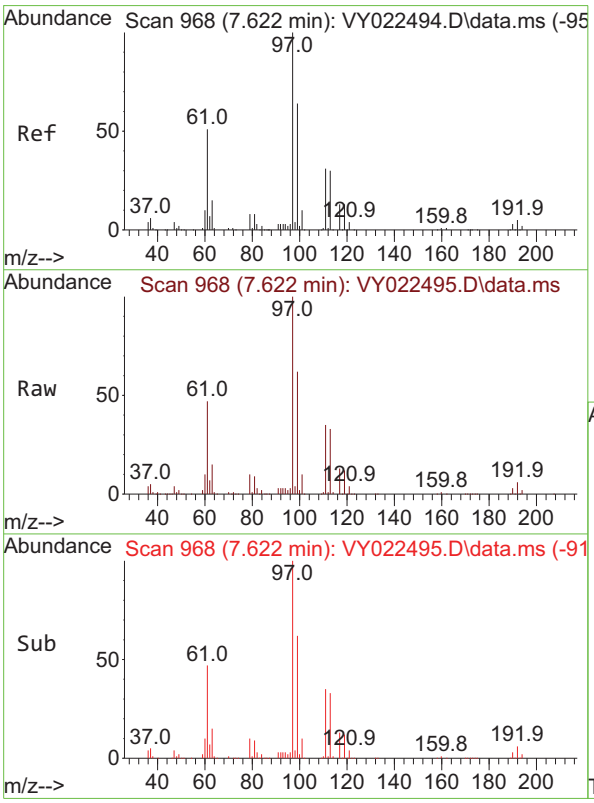
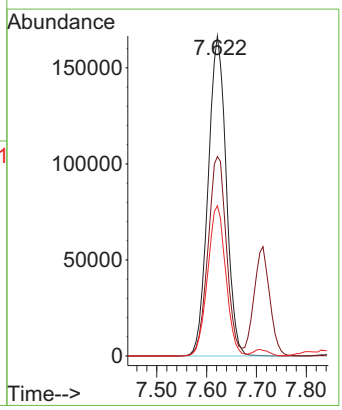
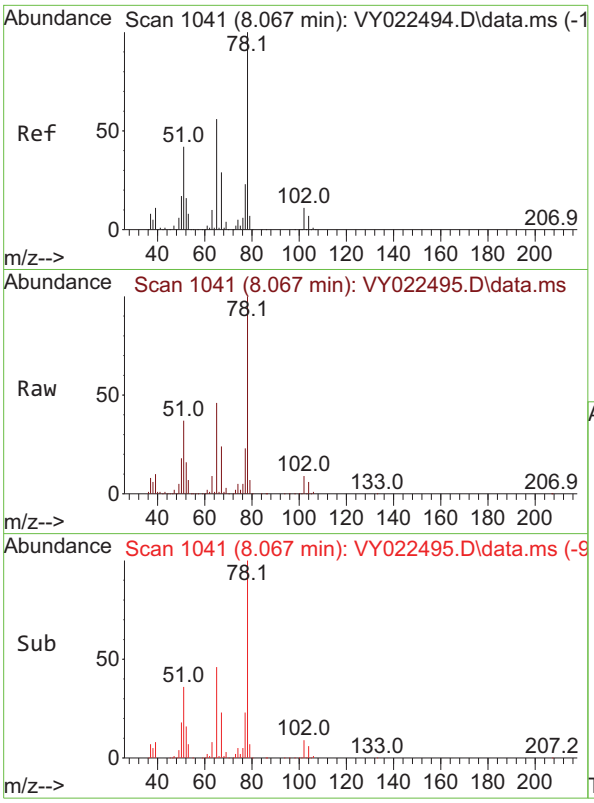


#32
1,1,1-Trichloroethane
Concen: 102.410 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 97 Resp: 419389

Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.9	76.3
61	47.3	38.5	57.7





#33
1,2-Dichloroethane-d4
Concen: 101.553 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 65 Resp: 24372

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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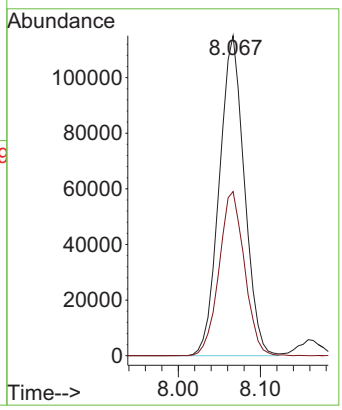
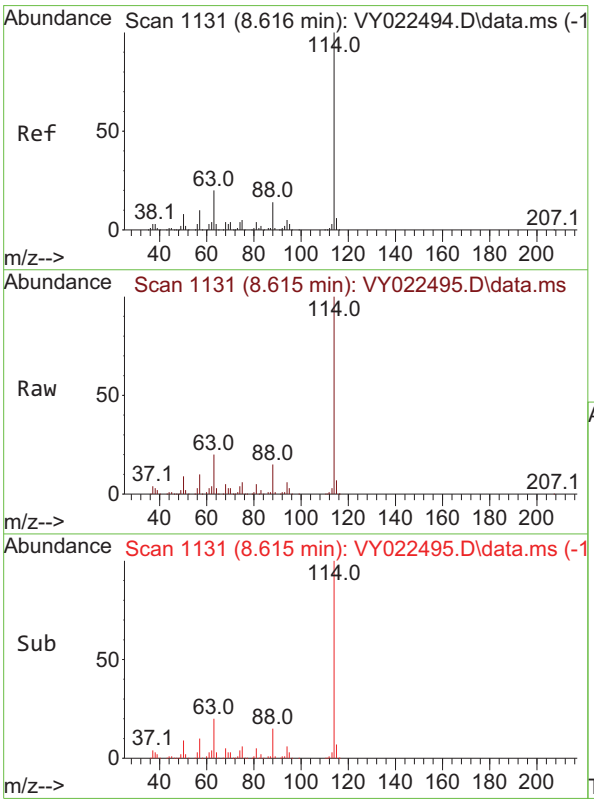
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

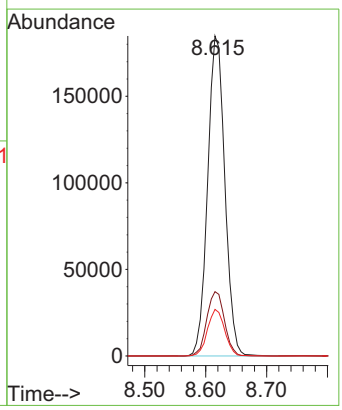


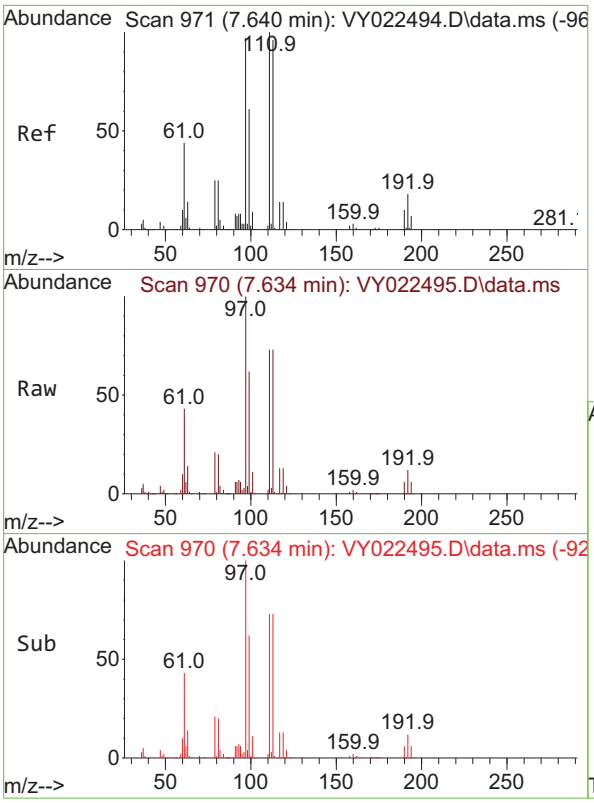


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:114 Resp: 362519

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.8
88	14.5	0.0	27.8





#35
Dibromofluoromethane
Concen: 104.234 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:113 Resp: 22244

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.1	121.7
192	18.2	14.2	21.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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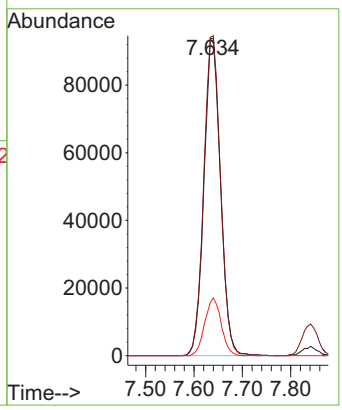
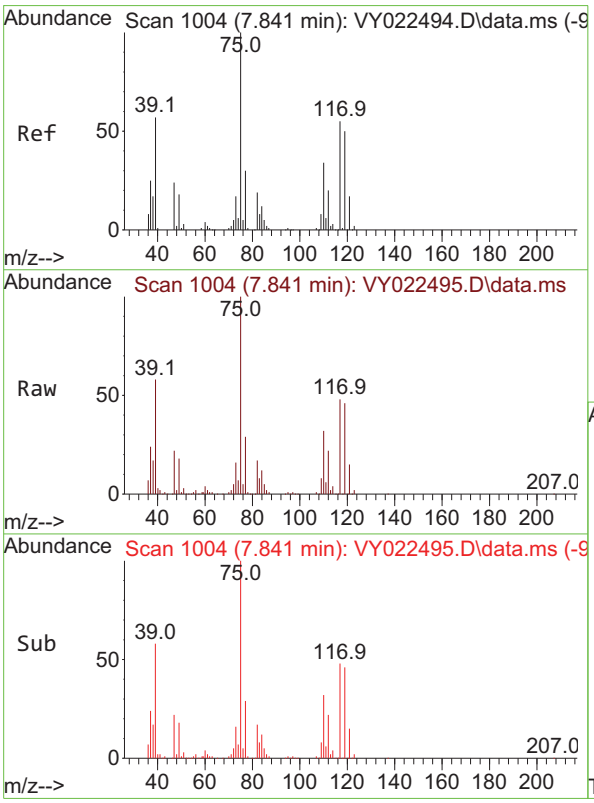
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

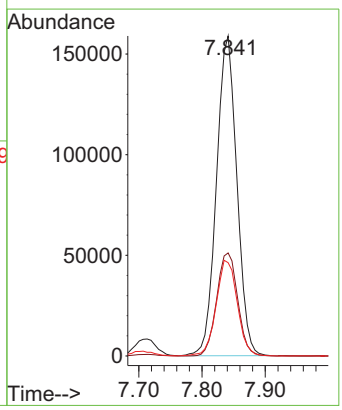


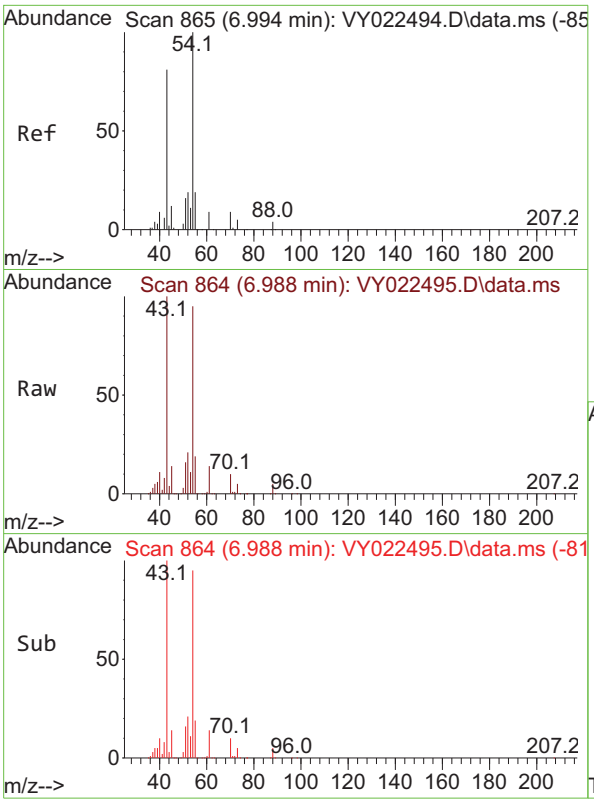


#36
1,1-Dichloropropene
Concen: 103.070 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 75 Resp: 355563

Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.9	50.7
77	31.1	24.8	37.2





#37
Ethyl Acetate
Concen: 105.336 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 43 Resp: 15992

Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.5	17.3
70	9.3	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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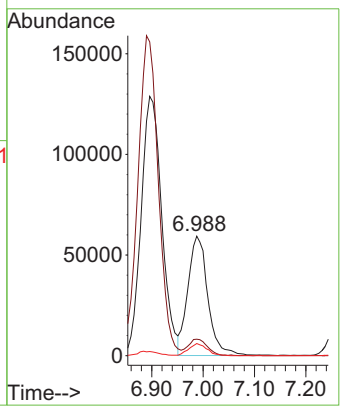
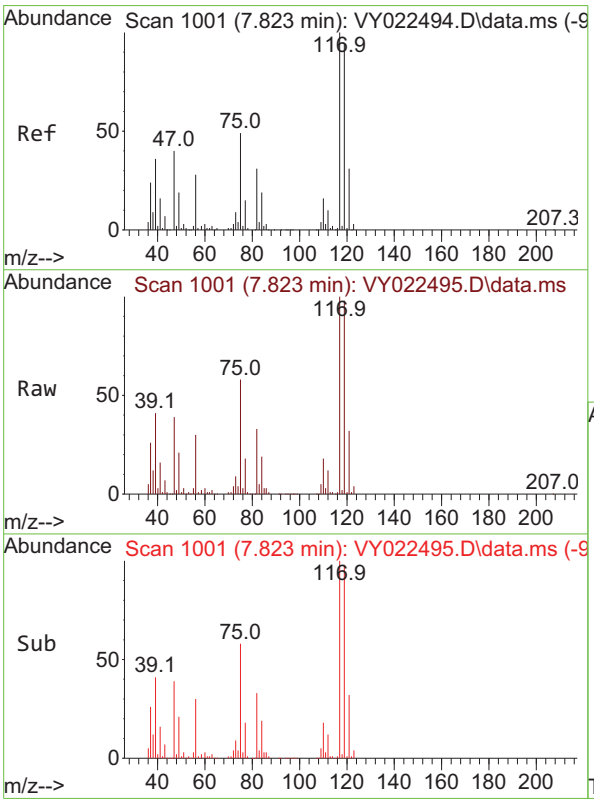
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

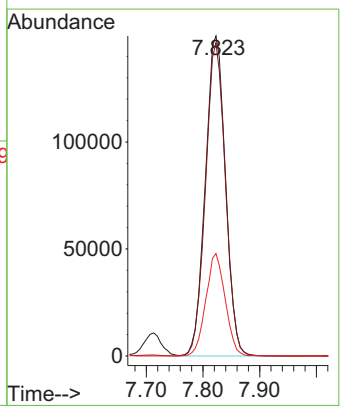


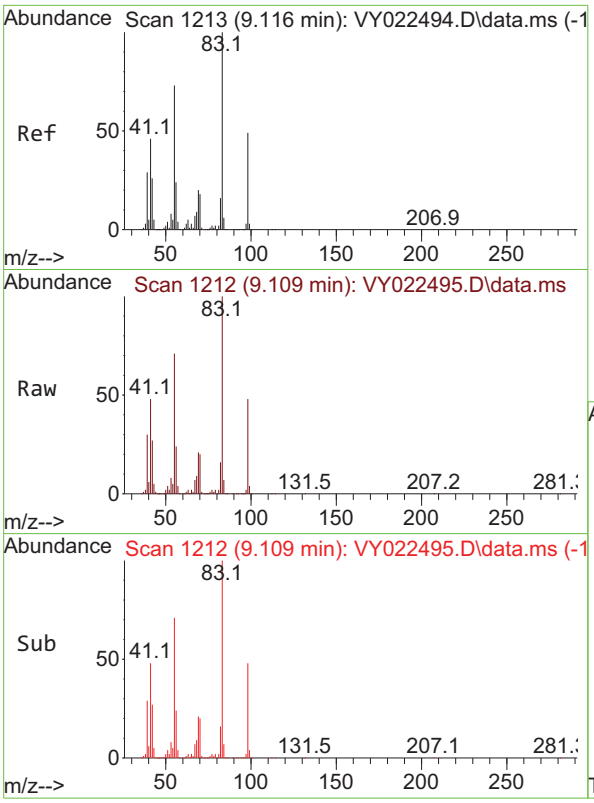


#38
Carbon Tetrachloride
Concen: 103.651 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:117 Resp: 368617

Ion	Ratio	Lower	Upper
117	100		
119	97.9	75.0	112.6
121	32.0	25.0	37.4





#39
Methylcyclohexane
Concen: 103.323 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 83 Resp: 48151

Ion	Ratio	Lower	Upper
83	100		
55	71.2	58.1	87.1
98	48.1	39.0	58.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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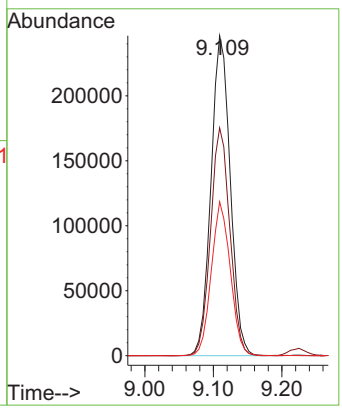
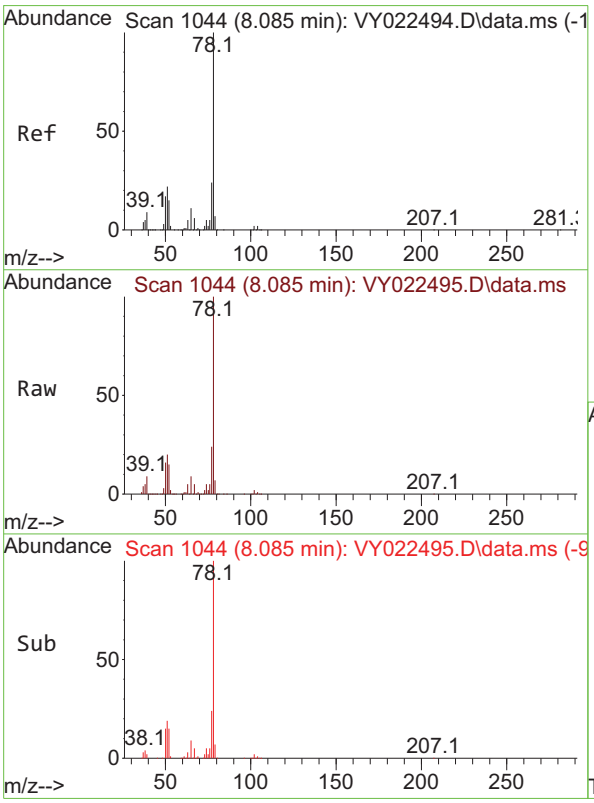
Supervised By :Mahesh Dadoda 06/03/2025

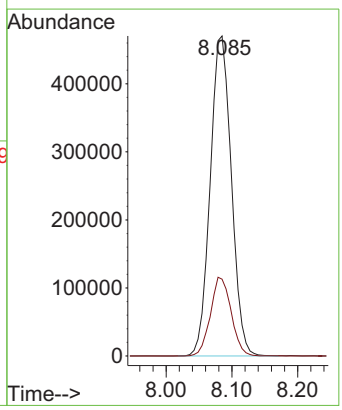


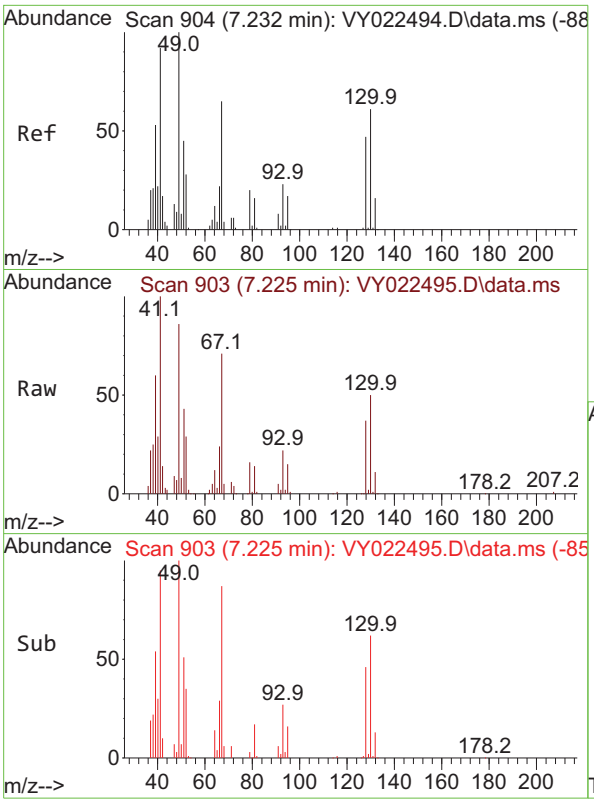


#40
Benzene
Concen: 103.542 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 78 Resp: 1052881

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9

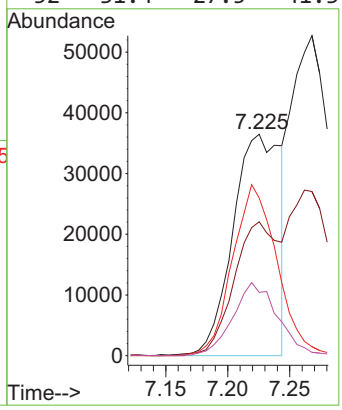




#41
Methacrylonitrile
Concen: 99.893 ug/l m
RT: 7.225 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 41 Resp: 9767

Ion	Ratio	Lower	Upper
41	100		
39	57.6	46.6	69.8
67	72.4	63.3	94.9
52	31.4	27.5	41.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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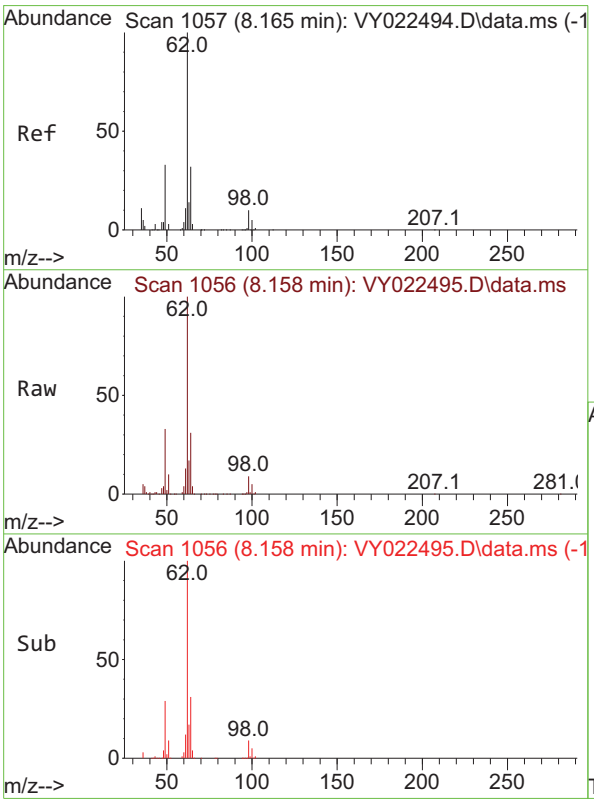
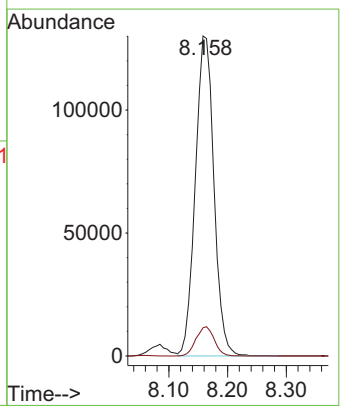
Supervised By :Mahesh Dadoda 06/03/2025

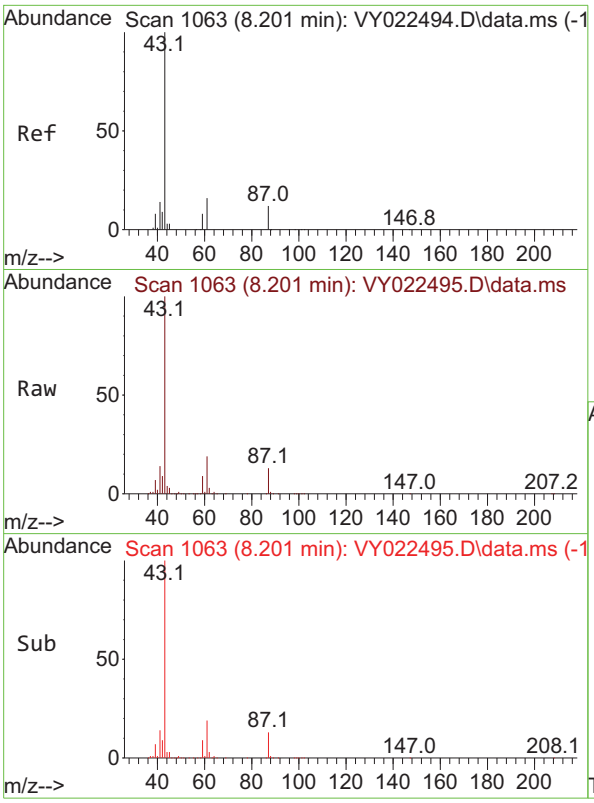


#42
1,2-Dichloroethane
Concen: 103.504 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 62 Resp: 286305

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	19.2





#43
Isopropyl Acetate
Concen: 103.721 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 43 Resp: 34411

Ion	Ratio	Lower	Upper
43	100		
61	20.5	15.6	23.4
87	13.0	10.2	15.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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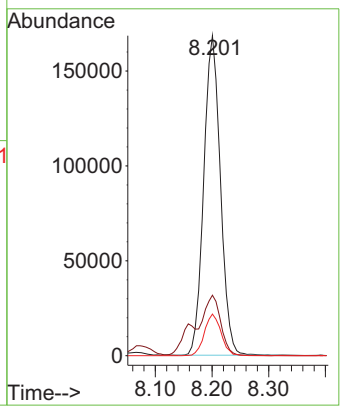
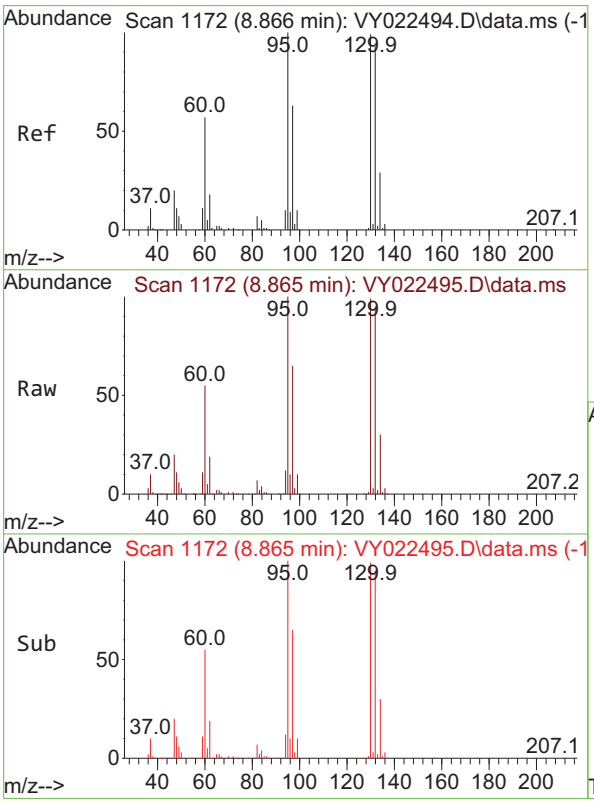
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

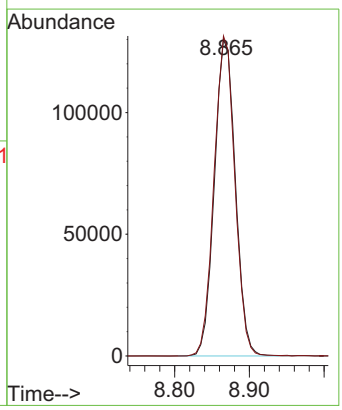


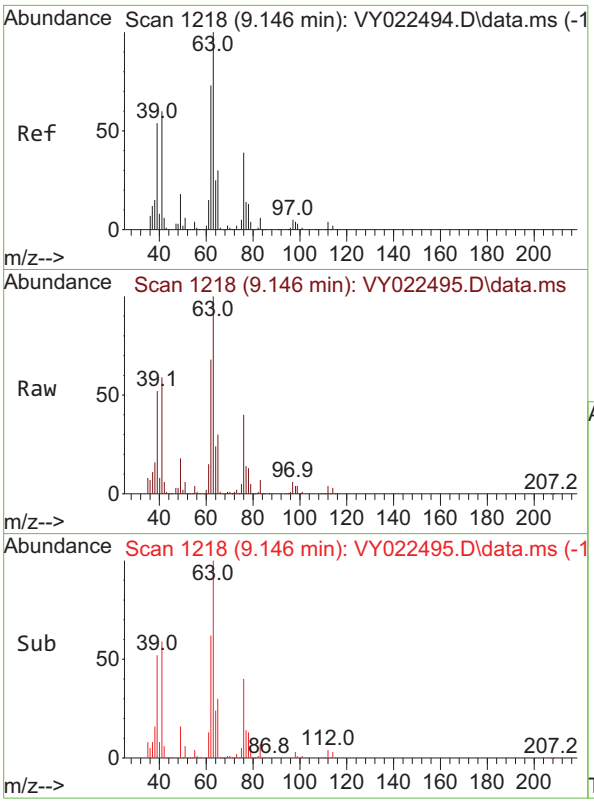


#44
Trichloroethene
Concen: 102.104 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:130 Resp: 253632

Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	203.0

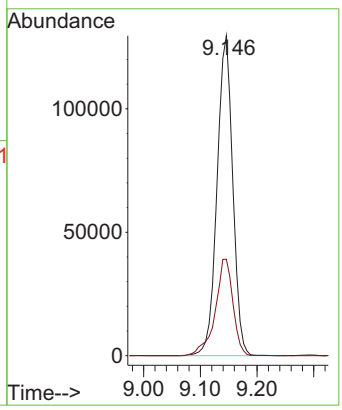




#45
1,2-Dichloropropane
Concen: 102.865 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 63 Resp: 24936

Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.0	36.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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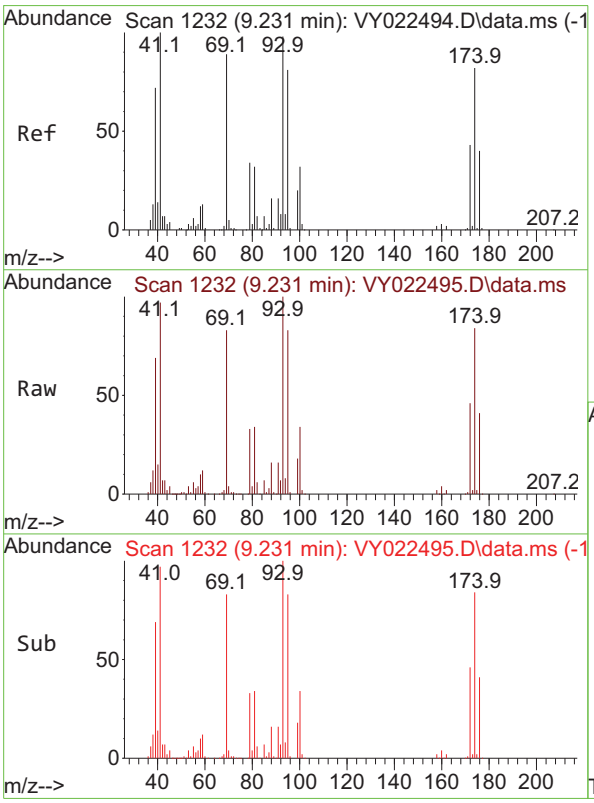
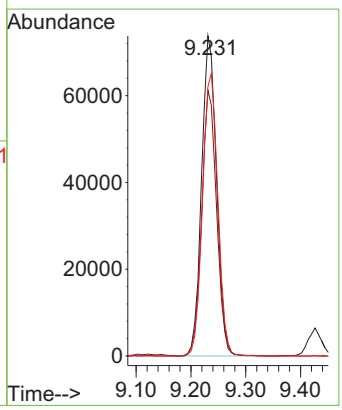
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

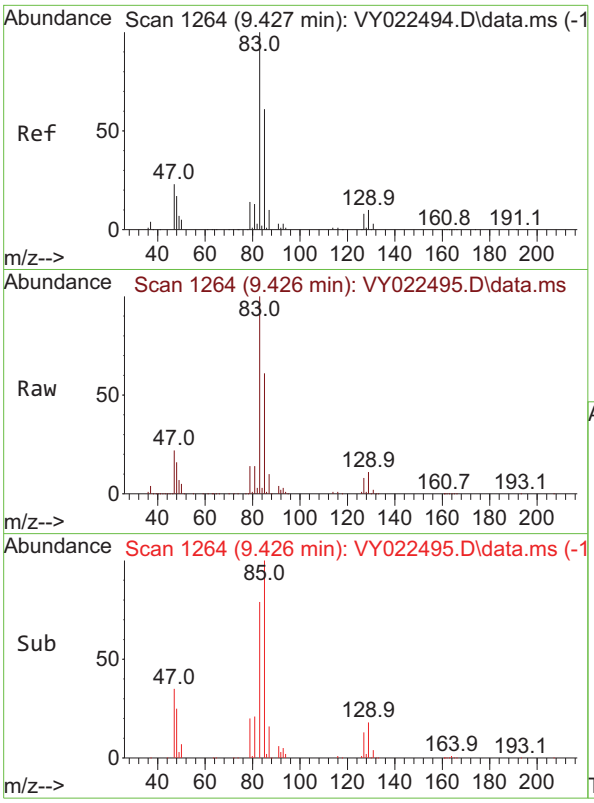


#46
Dibromomethane
Concen: 102.605 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 93 Resp: 139349

Ion	Ratio	Lower	Upper
93	100		
95	82.5	65.6	98.4
174	90.4	70.4	105.6

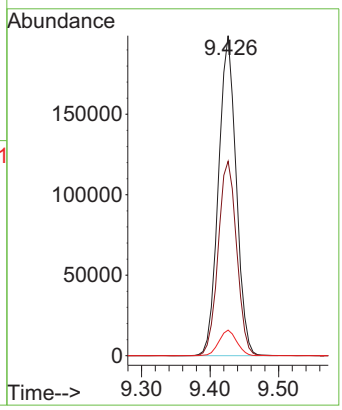




#47
Bromodichloromethane
Concen: 103.321 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 83 Resp: 35602

Ion	Ratio	Lower	Upper
83	100		
85	60.7	49.1	73.7
127	8.0	6.2	9.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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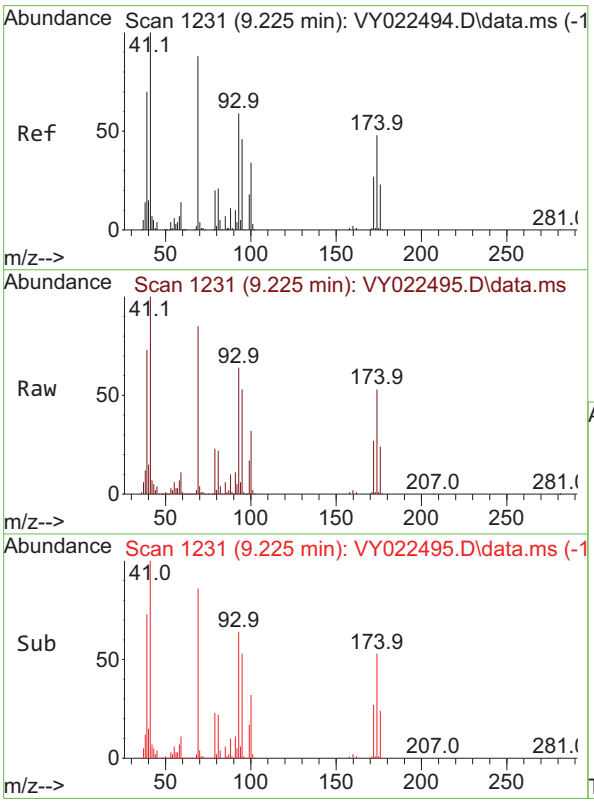
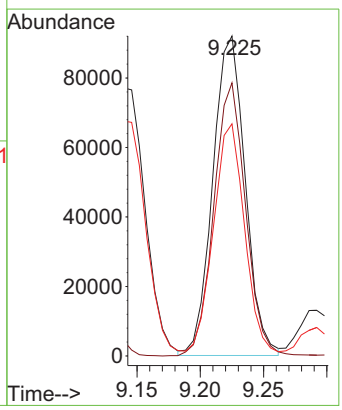
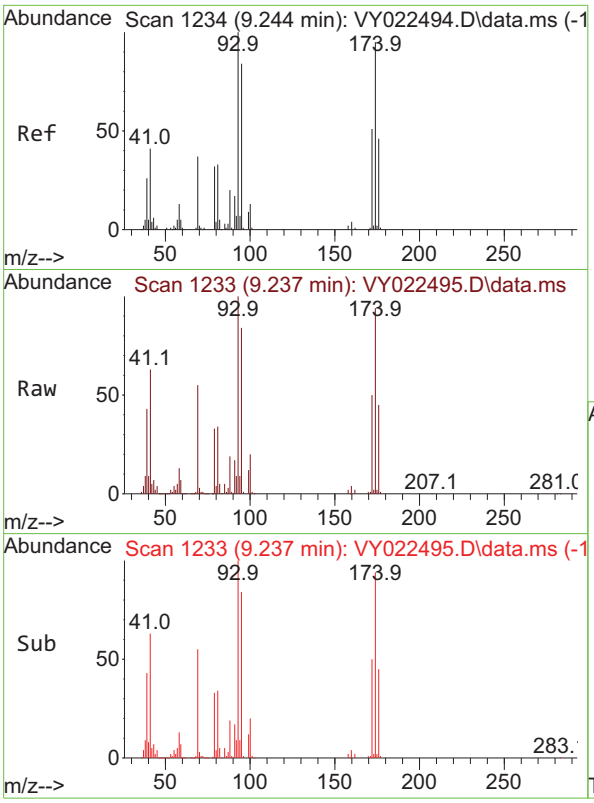


#48
Methyl methacrylate
Concen: 107.875 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 41 Resp: 163867

Ion	Ratio	Lower	Upper
41	100		
69	84.0	67.8	101.8
39	68.0	55.0	82.4





#49
1,4-Dioxane
Concen: 1955.012 ug/l
RT: 9.237 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 88 Resp: 3167

Ion	Ratio	Lower	Upper
88	100		
43	35.0	25.4	38.2
58	69.1	54.9	82.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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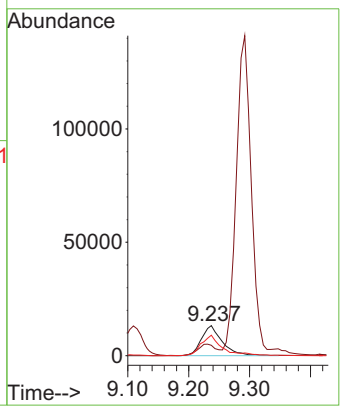
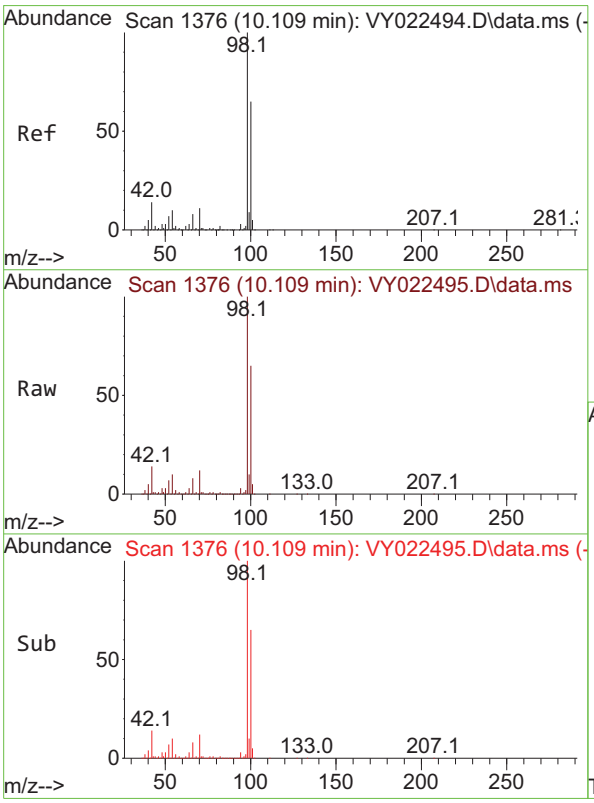
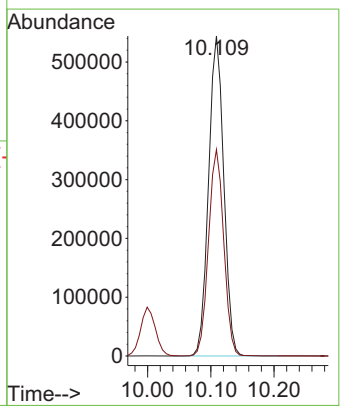


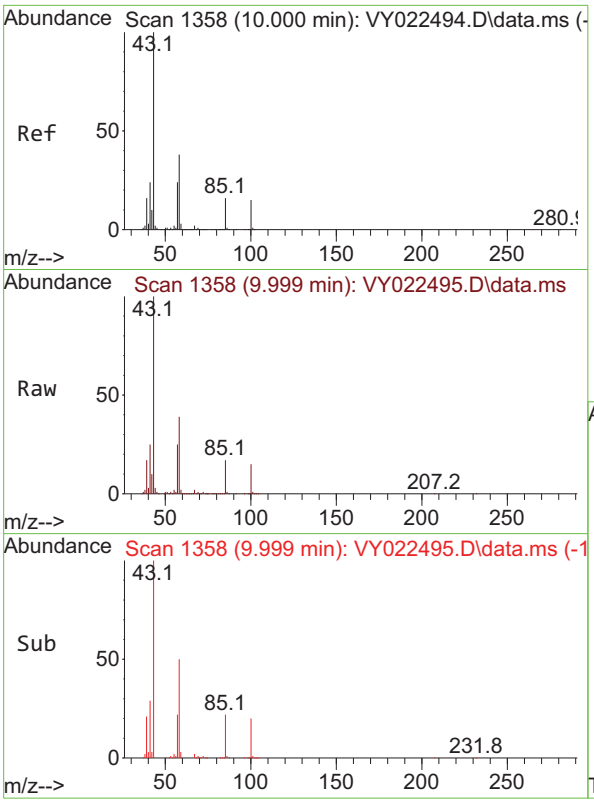


#50
Toluene-d8
Concen: 105.318 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 98 Resp: 908424

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.0





#51
4-Methyl-2-Pentanone
Concen: 537.390 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 43 Resp: 88489

Ion	Ratio	Lower	Upper
43	100		
58	39.3	30.4	45.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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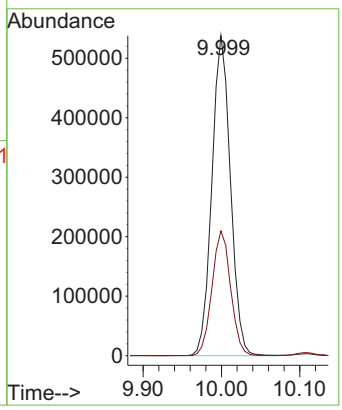
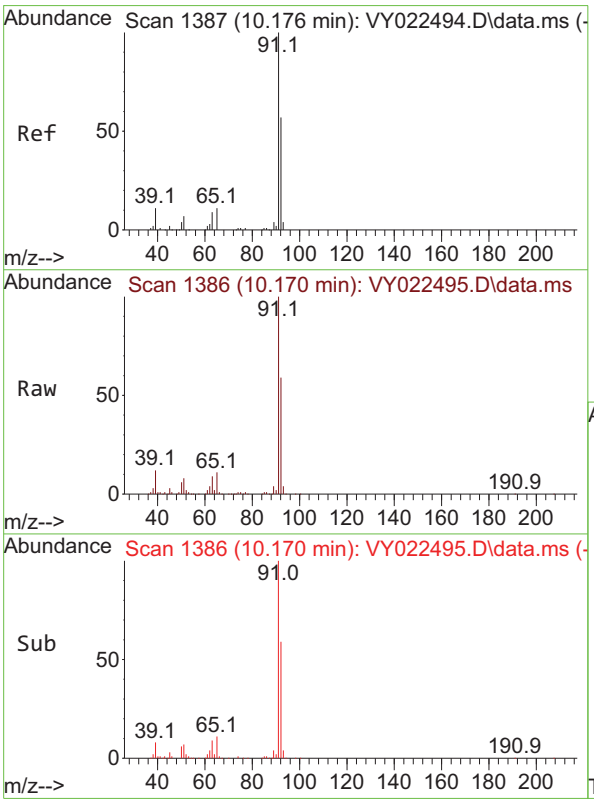
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

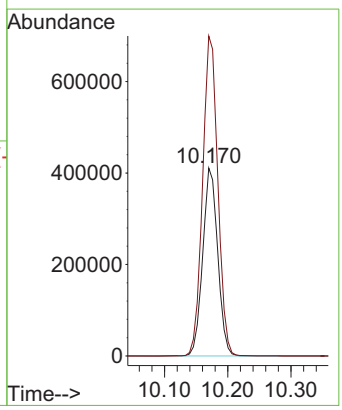


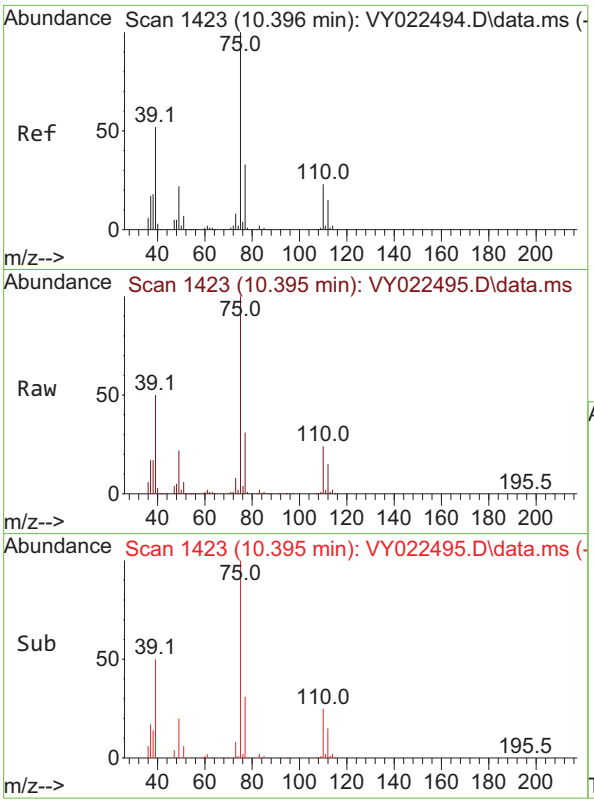


#52
Toluene
Concen: 105.821 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 92 Resp: 676554

Ion	Ratio	Lower	Upper
92	100		
91	173.1	139.0	208.4

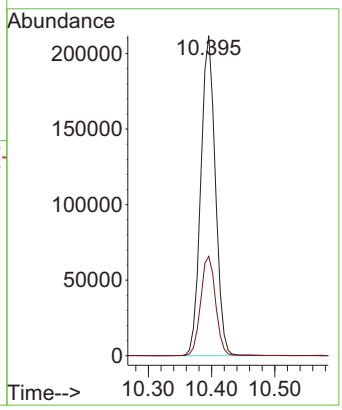




#53
t-1,3-Dichloropropene
Concen: 106.548 ug/l
RT: 10.395 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 75 Resp: 33964

Ion	Ratio	Lower	Upper
75	100		
77	31.0	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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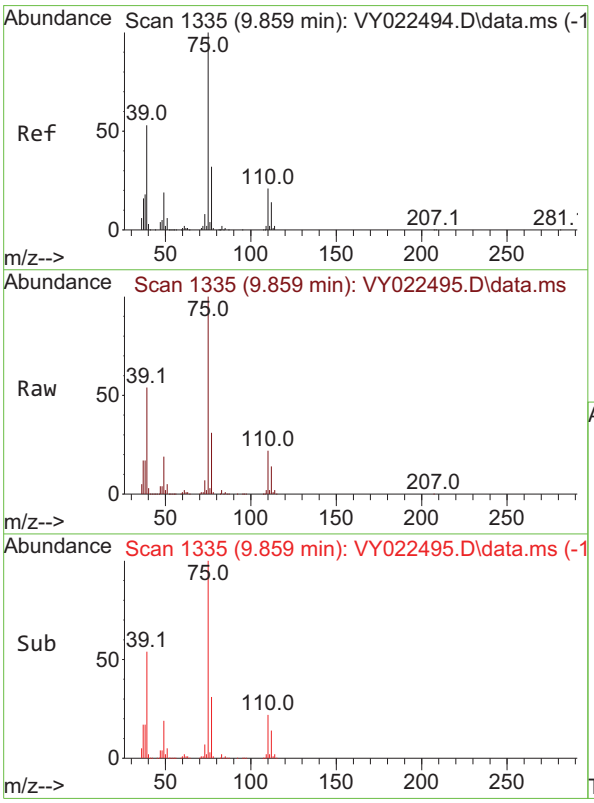
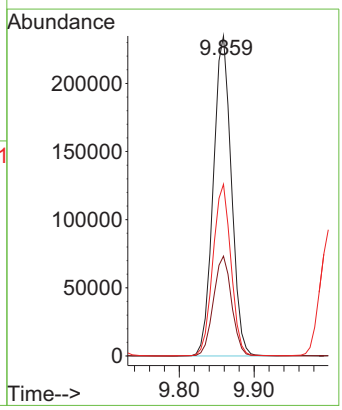
Supervised By :Mahesh Dadoda 06/03/2025

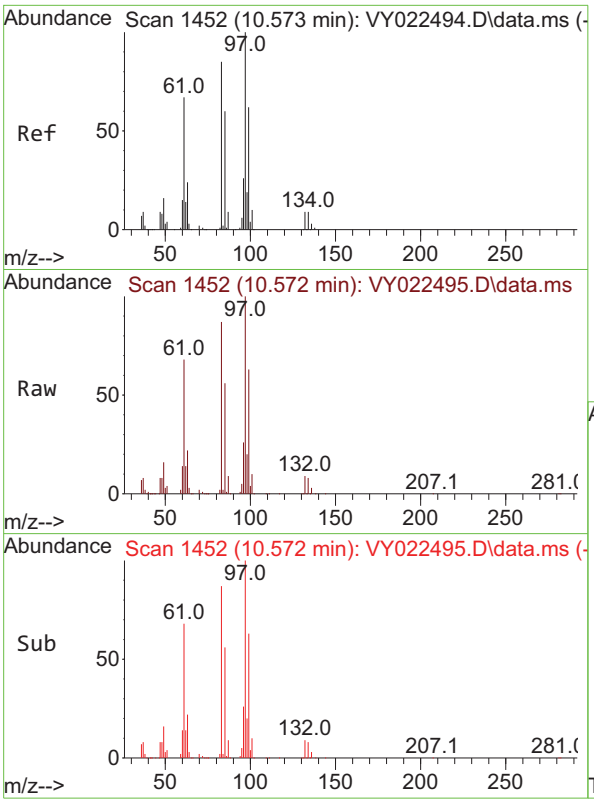


#54
cis-1,3-Dichloropropene
Concen: 105.579 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 75 Resp: 394647

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.3	37.9
39	53.6	42.7	64.1

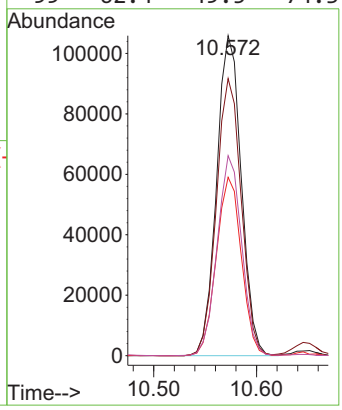




#55
1,1,2-Trichloroethane
Concen: 103.130 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 97 Resp: 17638

Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.1	102.1
85	55.8	48.2	72.2
99	62.4	49.5	74.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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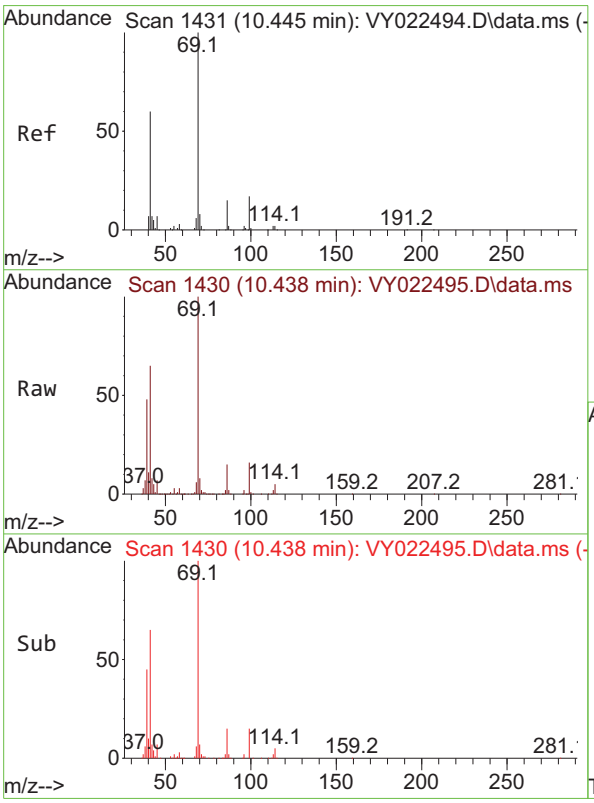
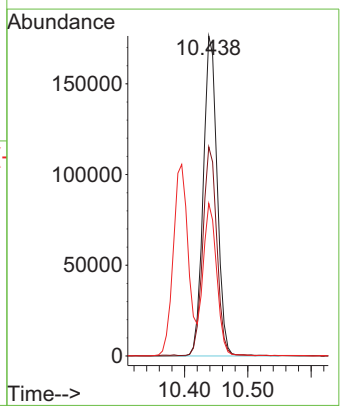
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

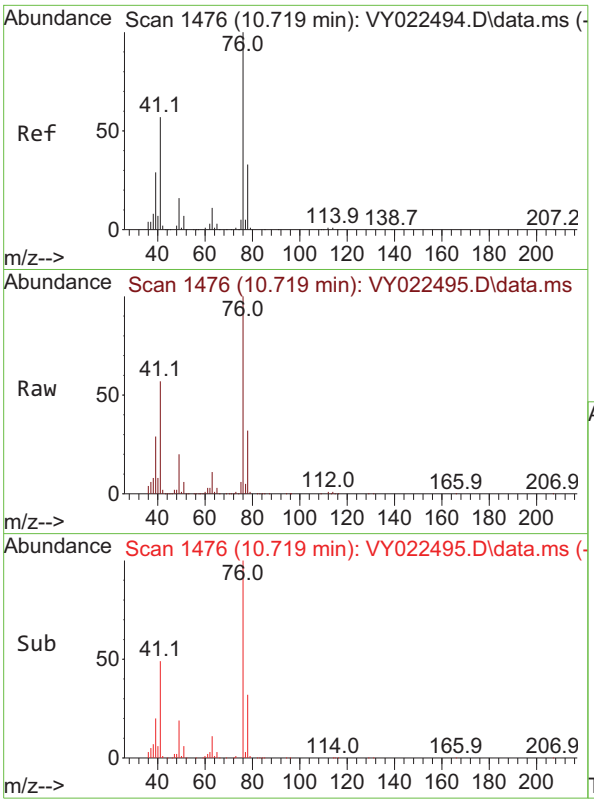


#56
Ethyl methacrylate
Concen: 108.807 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 69 Resp: 270253

Ion	Ratio	Lower	Upper
69	100		
41	65.7	52.2	78.2
39	45.6	36.7	55.1





#57
1,3-Dichloropropane
Concen: 103.374 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 76 Resp: 31488

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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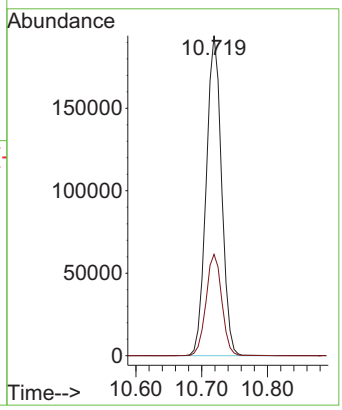
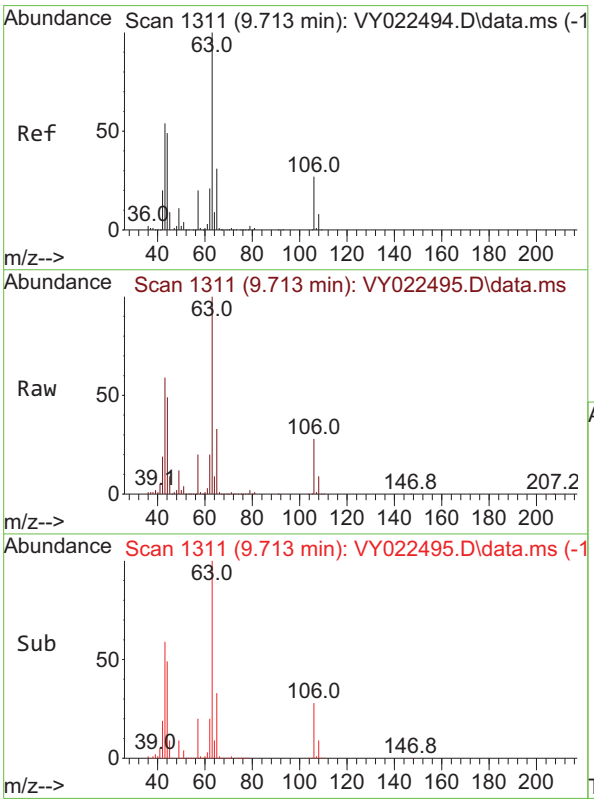
Supervised By :Mahesh Dadoda 06/03/2025

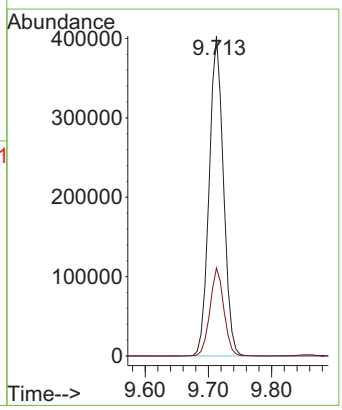


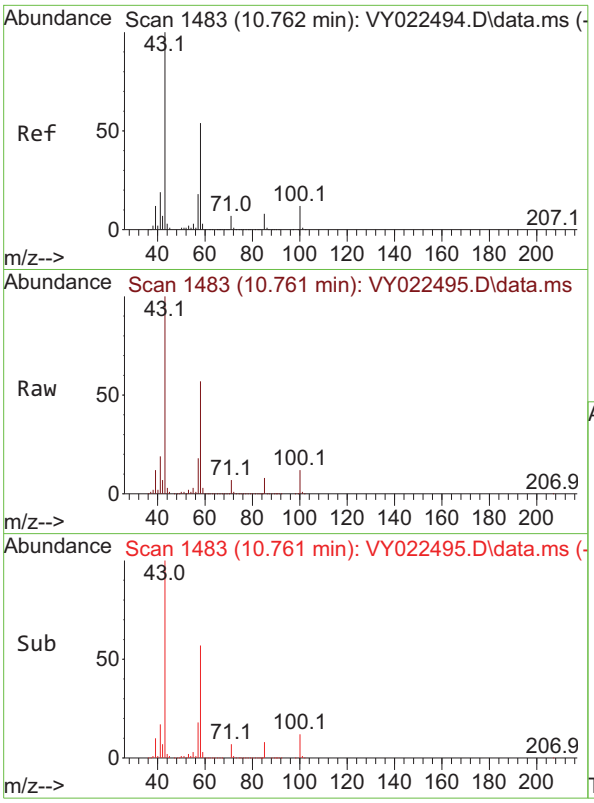


#58
2-Chloroethyl Vinyl ether
Concen: 570.744 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 63 Resp: 631985

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.6	32.4

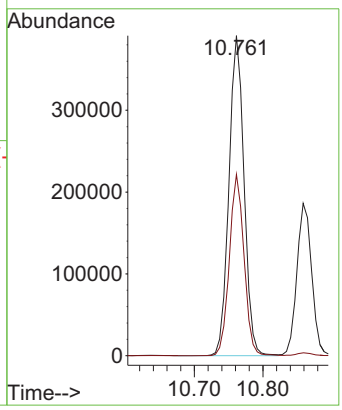




#59
2-Hexanone
Concen: 546.025 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 43 Resp: 59935

Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.3	81.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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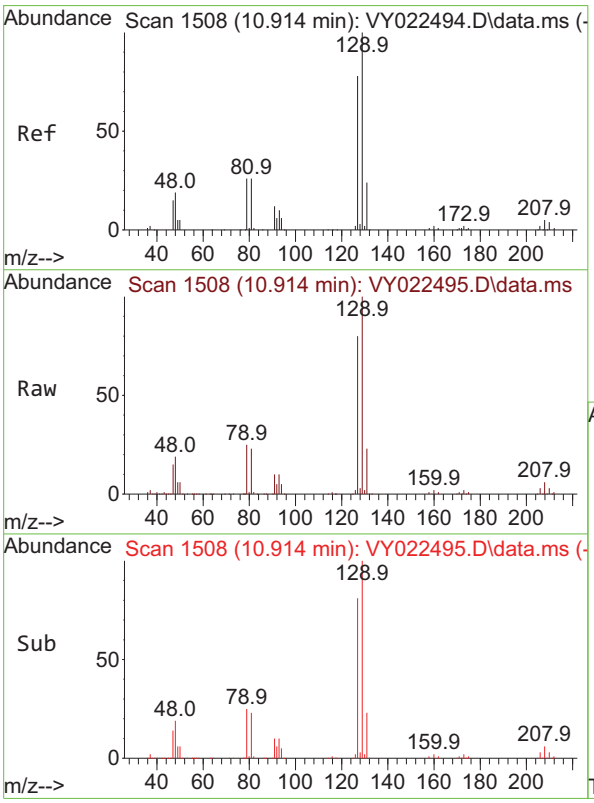
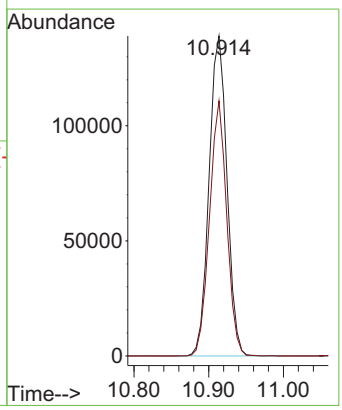
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

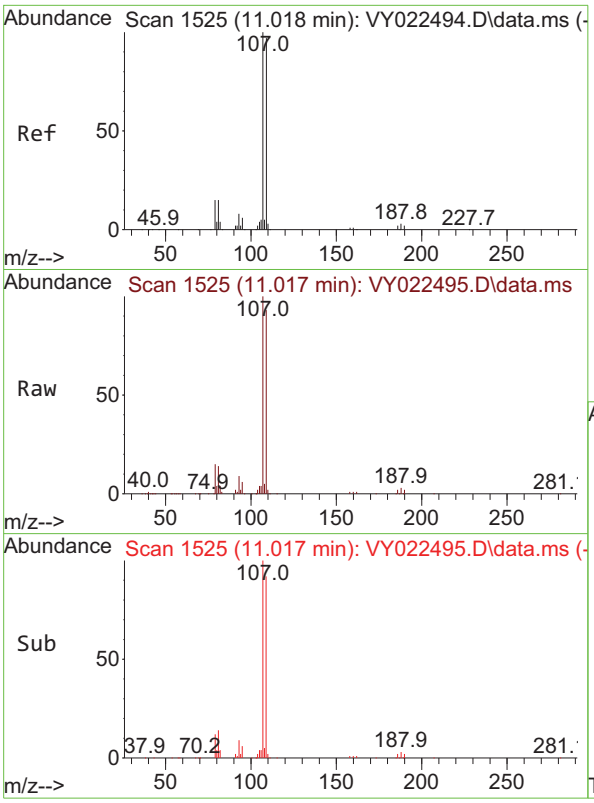


#60
Dibromochloromethane
Concen: 106.862 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:129 Resp: 231582

Ion	Ratio	Lower	Upper
129	100		
127	76.8	39.1	117.2

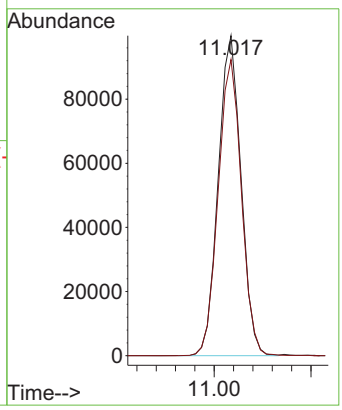




#61
1,2-Dibromoethane
Concen: 103.182 ug/l
RT: 11.017 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:107 Resp: 16284

Ion	Ratio	Lower	Upper
107	100		
109	94.4	77.7	116.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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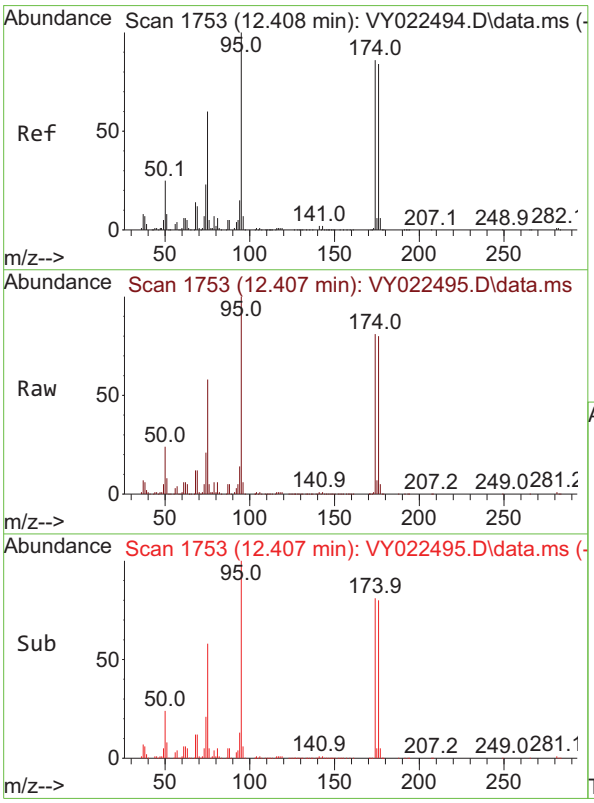
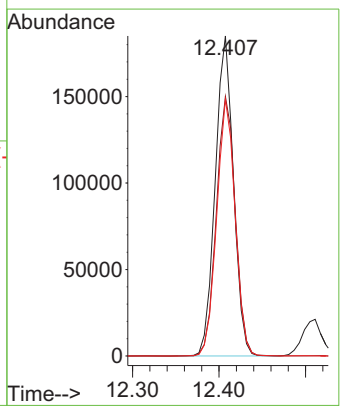
Supervised By :Mahesh Dadoda 06/03/2025

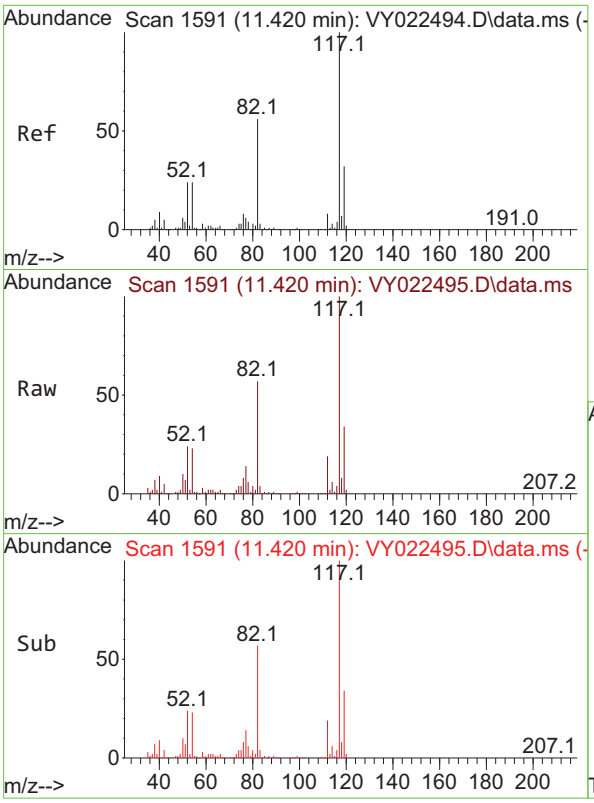


#62
4-Bromofluorobenzene
Concen: 103.359 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 95 Resp: 270310

Ion	Ratio	Lower	Upper
95	100		
174	84.4	0.0	170.0
176	80.8	0.0	166.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:117 Resp: 31274

Ion	Ratio	Lower	Upper
117	100		
82	57.4	44.6	66.8
119	33.8	25.4	38.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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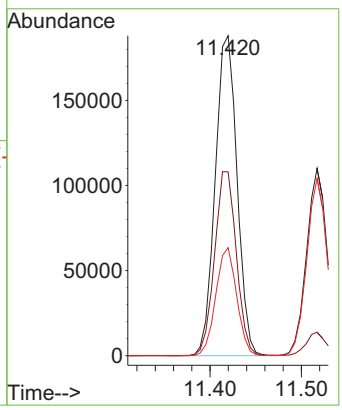
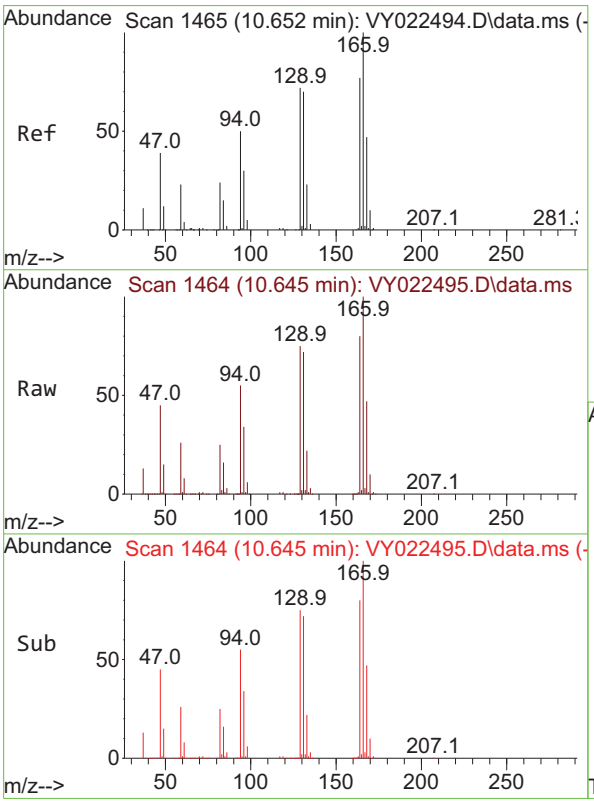
Supervised By :Mahesh Dadoda 06/03/2025

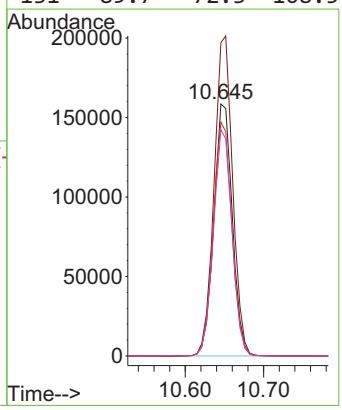


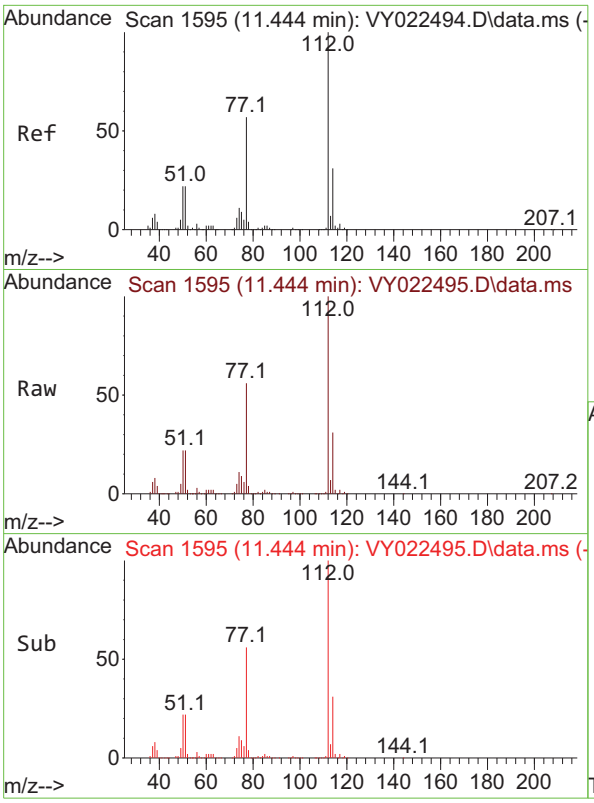


#64
Tetrachloroethene
Concen: 97.857 ug/l
RT: 10.645 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:164 Resp: 260085

Ion	Ratio	Lower	Upper
164	100		
166	124.4	104.0	156.0
129	92.8	74.5	111.7
131	89.7	72.3	108.5

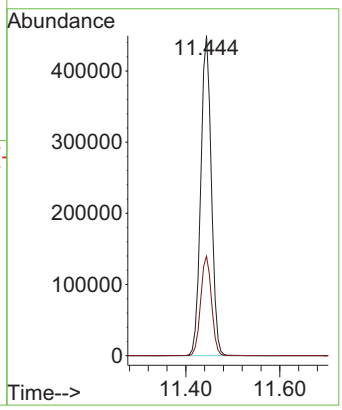




#65
Chlorobenzene
Concen: 103.277 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:112 Resp: 70036

Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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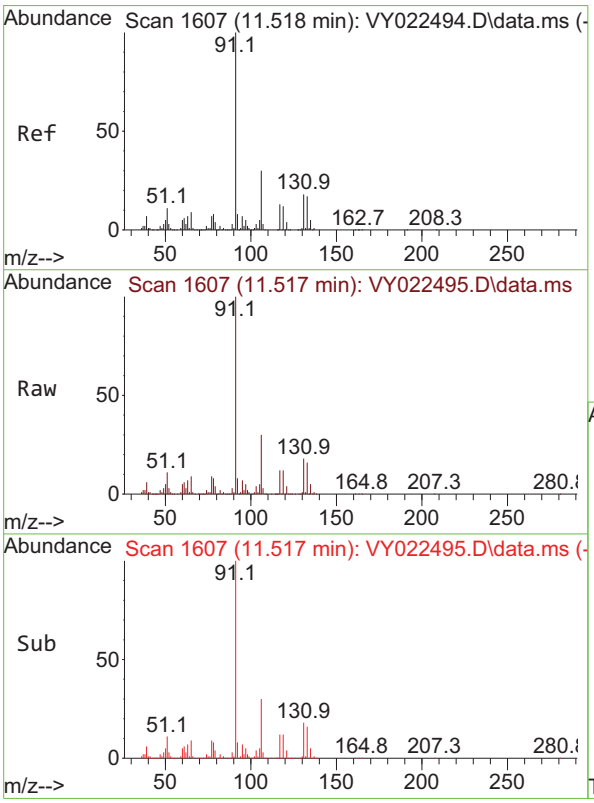
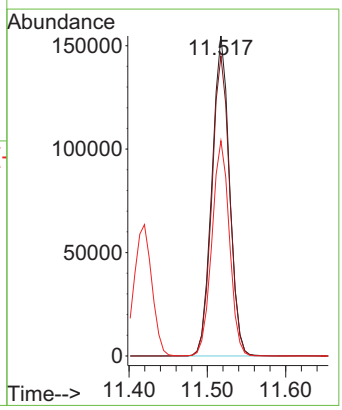
Supervised By :Mahesh Dadoda 06/03/2025

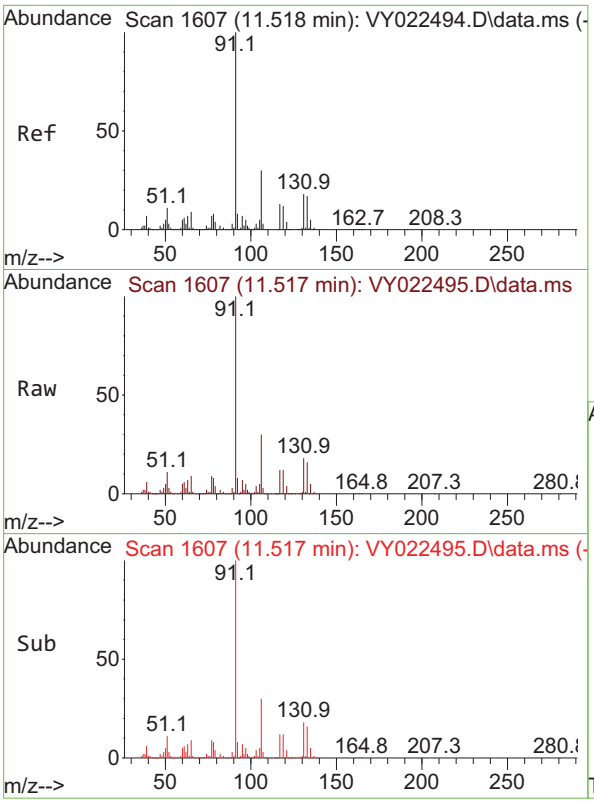


#66
1,1,1,2-Tetrachloroethane
Concen: 104.874 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:131 Resp: 241080

Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.3	141.8
119	66.9	33.1	99.3





#67
Ethyl Benzene
Concen: 106.379 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 91 Resp: 134342

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.2	36.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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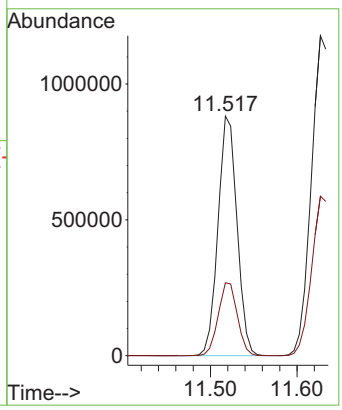
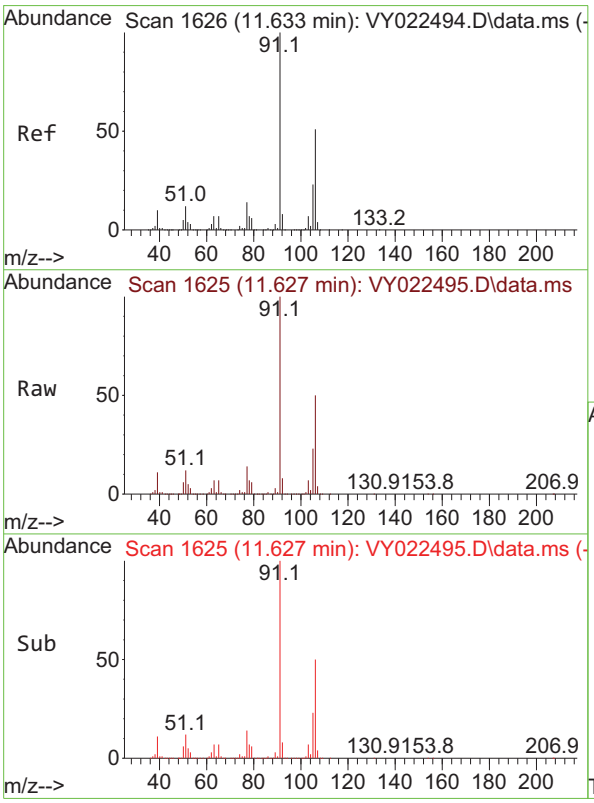
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

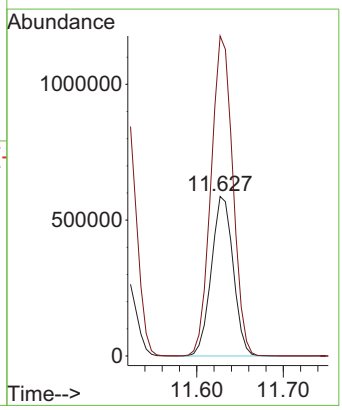


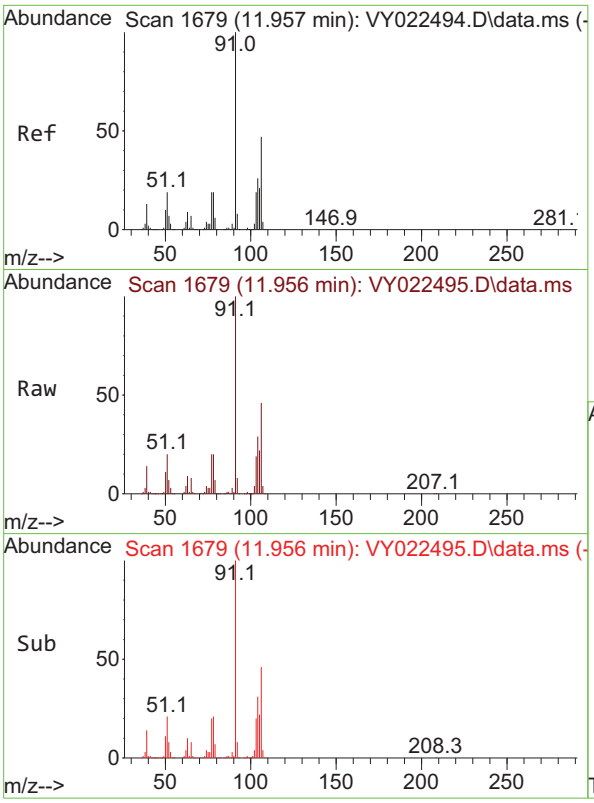


#68
m/p-Xylenes
Concen: 215.017 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:106 Resp: 1027669

Ion	Ratio	Lower	Upper
106	100		
91	200.6	159.4	239.0

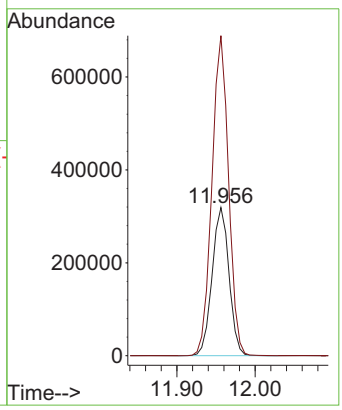




#69
o-Xylene
Concen: 106.884 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:106 Resp: 47810

Ion	Ratio	Lower	Upper
106	100		
91	212.3	105.8	317.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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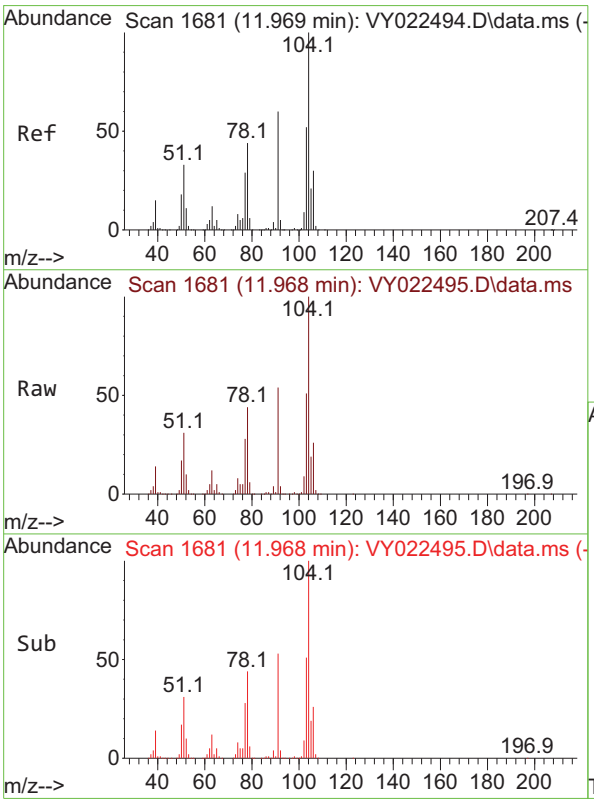
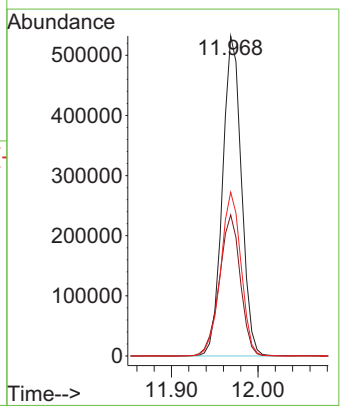
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

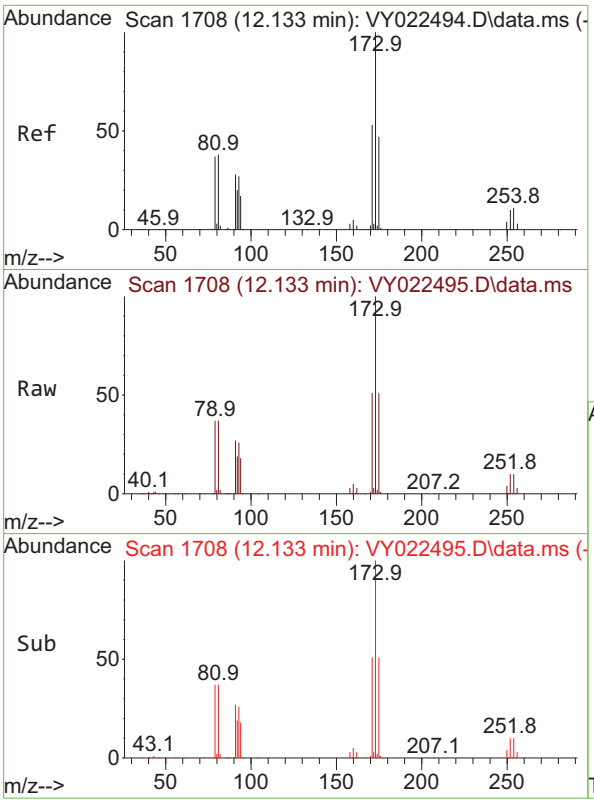


#70
Styrene
Concen: 109.011 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:104 Resp: 807331

Ion	Ratio	Lower	Upper
104	100		
78	48.7	39.5	59.3
103	55.3	44.1	66.1

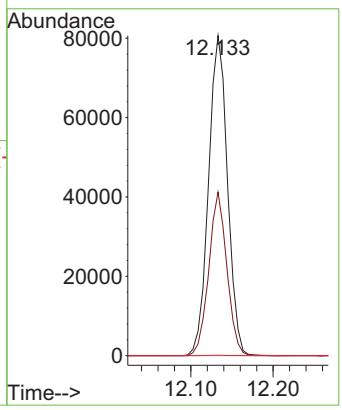




#71
Bromoform
Concen: 106.900 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:173 Resp: 12913

Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.8	71.5
254	0.2	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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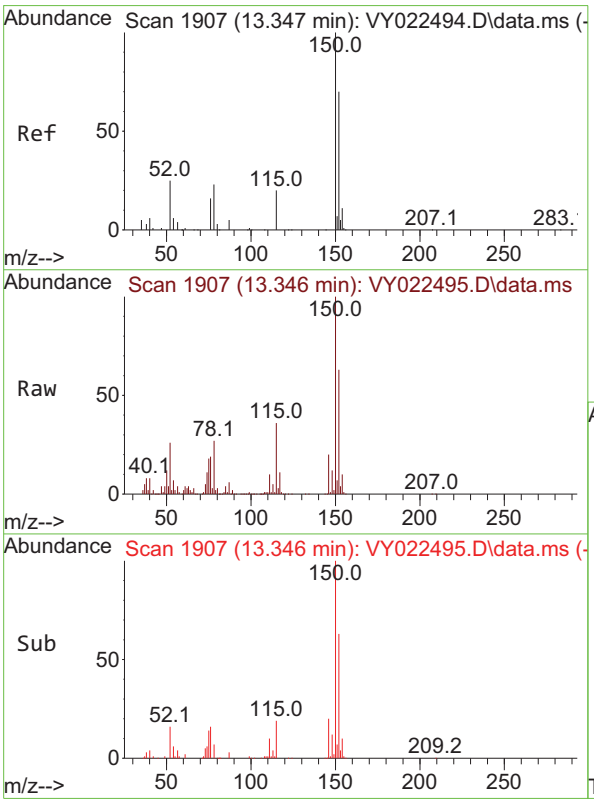
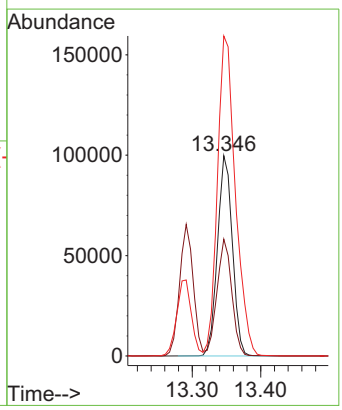
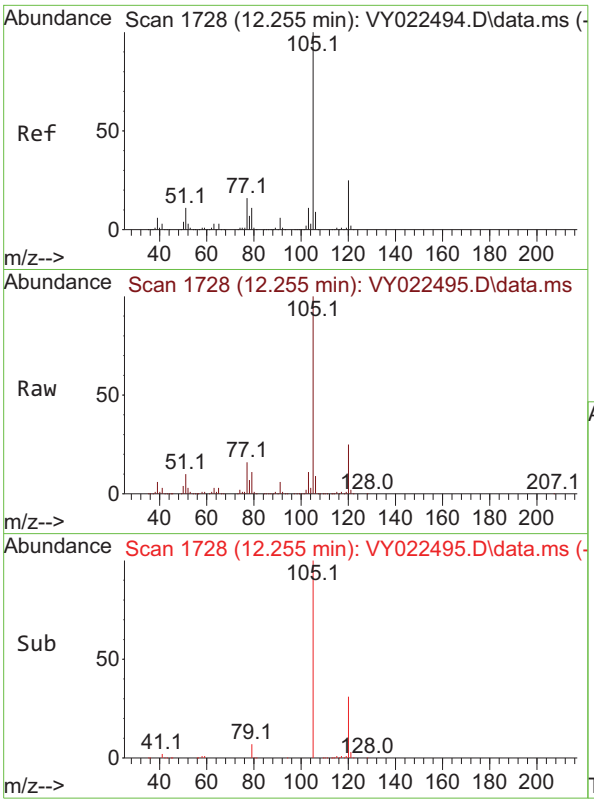


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:152 Resp: 150217

Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.9	86.7
150	192.2	0.0	349.6

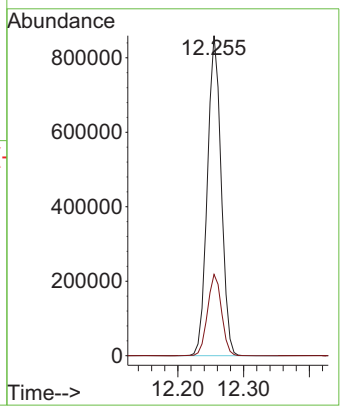




#73
Isopropylbenzene
Concen: 103.429 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:105 Resp: 125178

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.0	38.9



Instrument :
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ClientSampleId :
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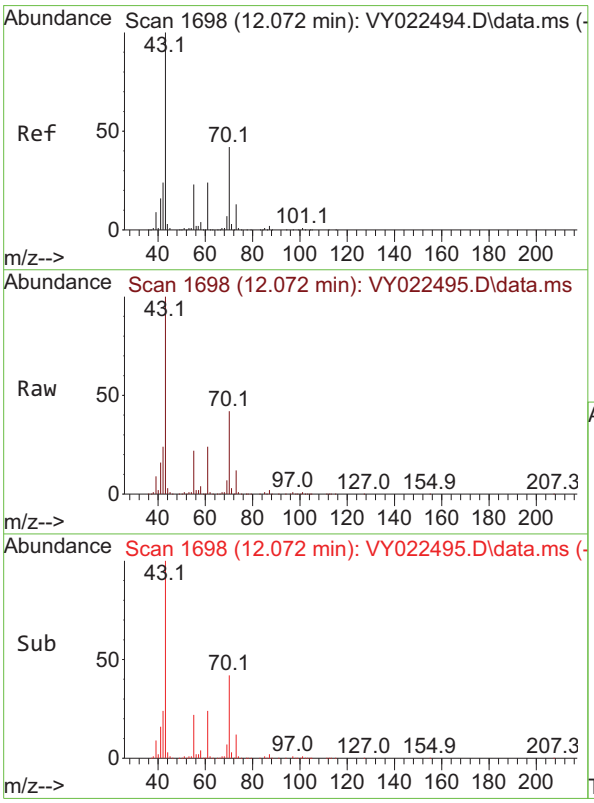
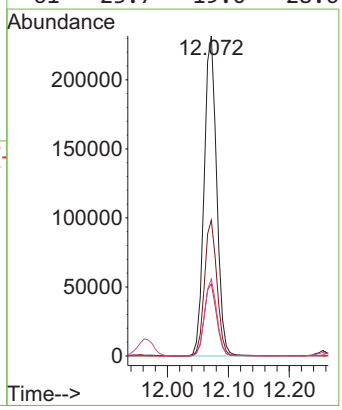
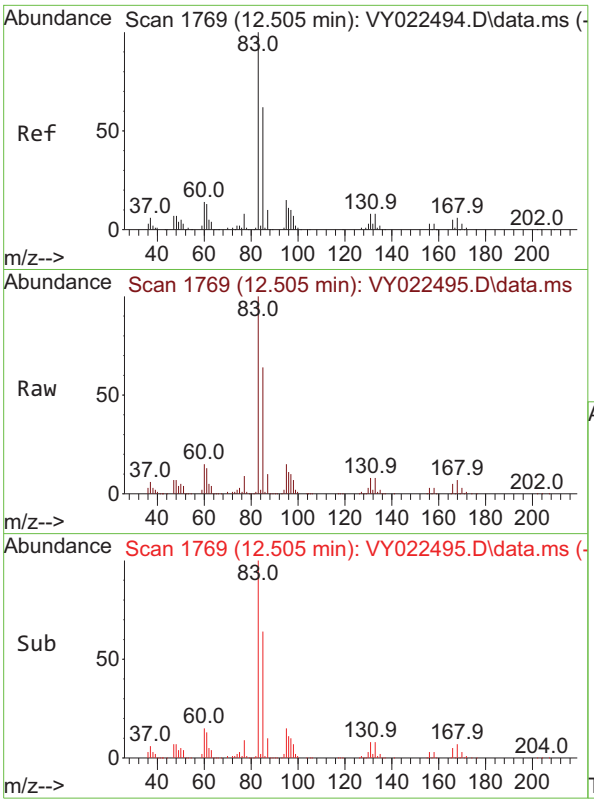


#74
N-amyl acetate
Concen: 108.232 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 43 Resp: 331256

Ion	Ratio	Lower	Upper
43	100		
70	42.4	34.2	51.2
55	22.5	18.2	27.4
61	23.7	19.0	28.6

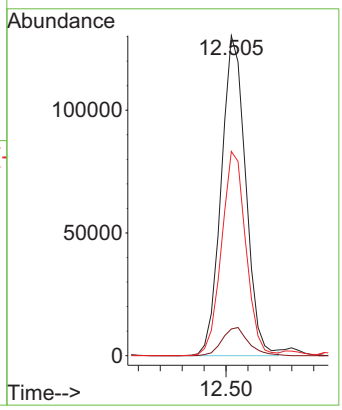




#75
1,1,2,2-Tetrachloroethane
Concen: 102.543 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 83 Resp: 20155

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.9	14.7
85	63.7	32.6	97.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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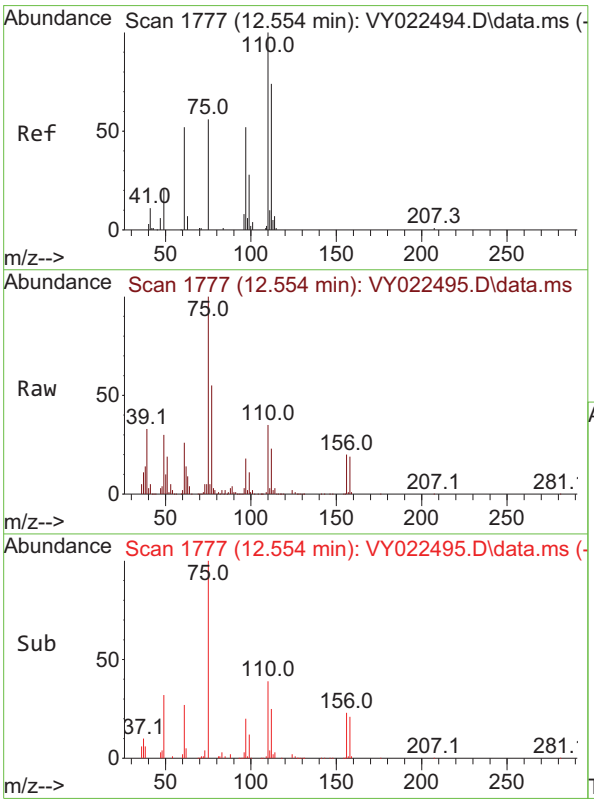
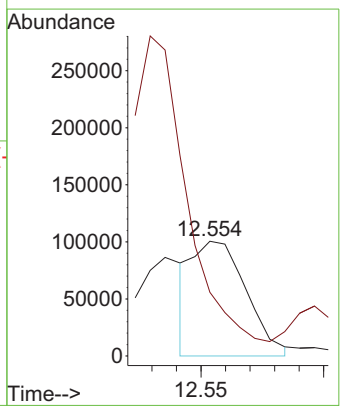
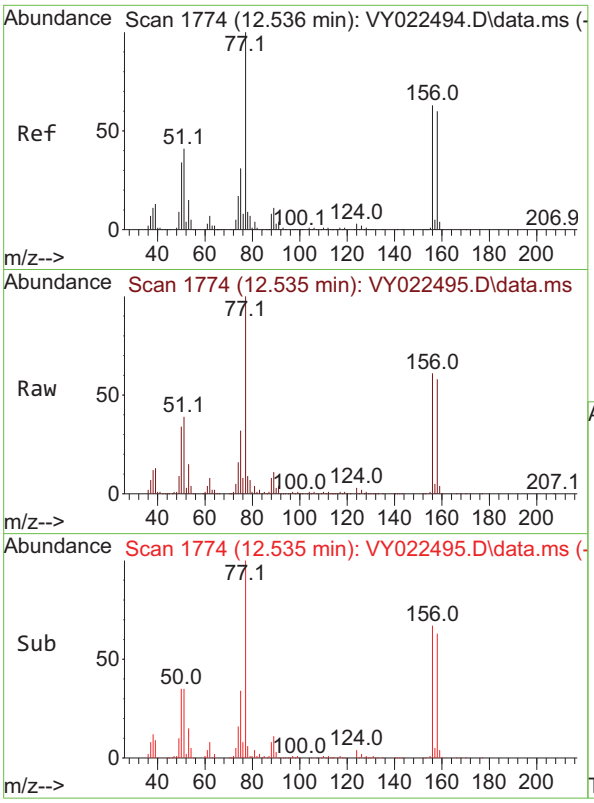


#76
1,2,3-Trichloropropane
Concen: 77.478 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 75 Resp: 153645

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

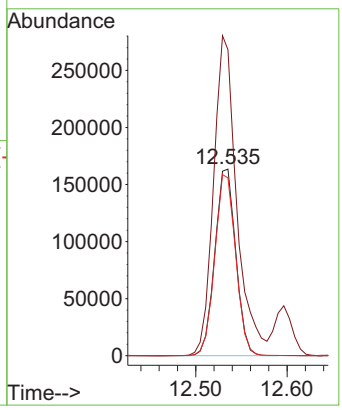




#77
Bromobenzene
Concen: 101.560 ug/l
RT: 12.535 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:156 Resp: 26052

Ion	Ratio	Lower	Upper
156	100		
77	189.8	94.0	282.1
158	97.1	48.2	144.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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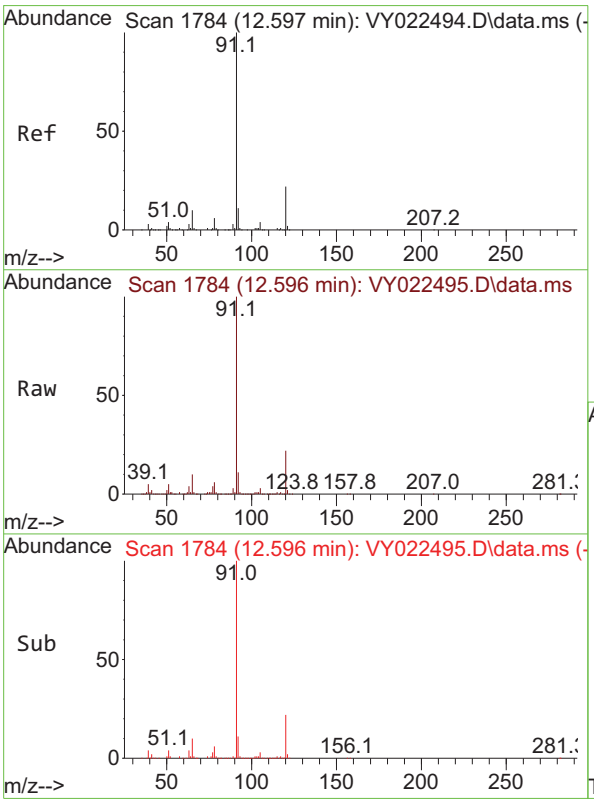
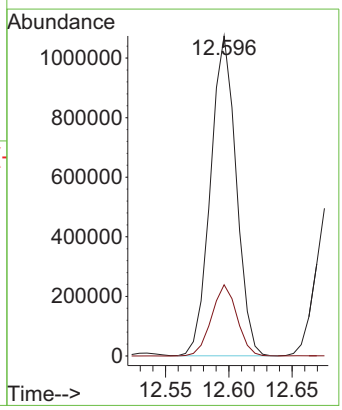
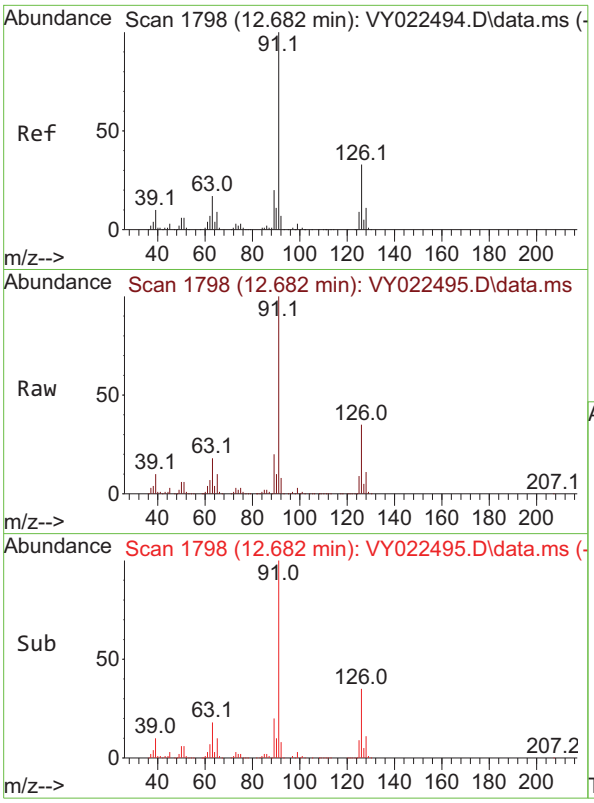


#78
n-propylbenzene
Concen: 103.002 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 91 Resp: 1517453

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4





#79
2-Chlorotoluene
Concen: 102.984 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 91 Resp: 80109

Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.0	51.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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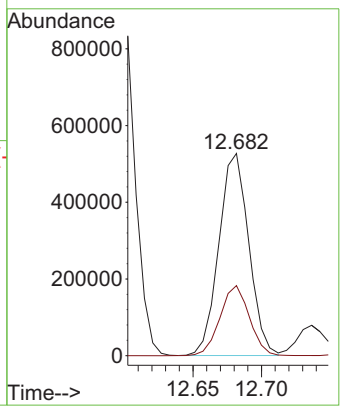
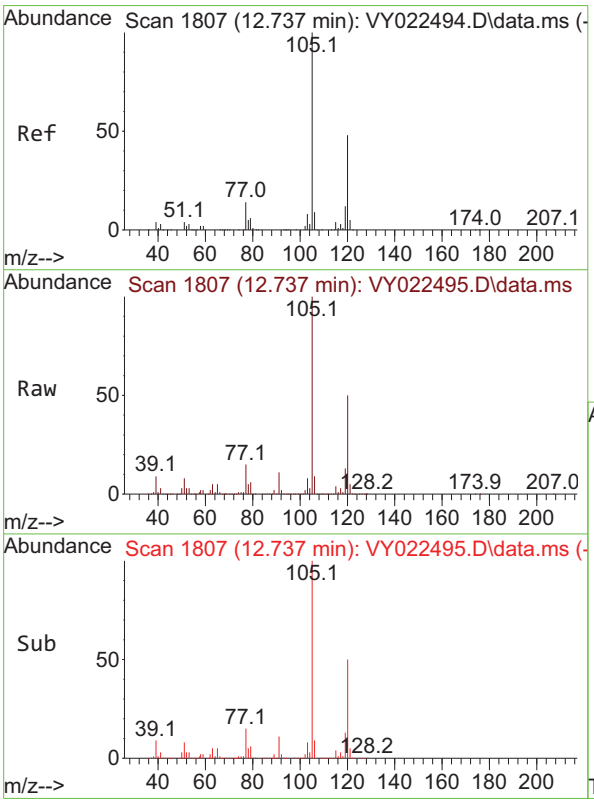
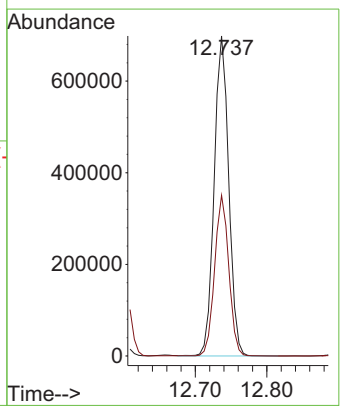


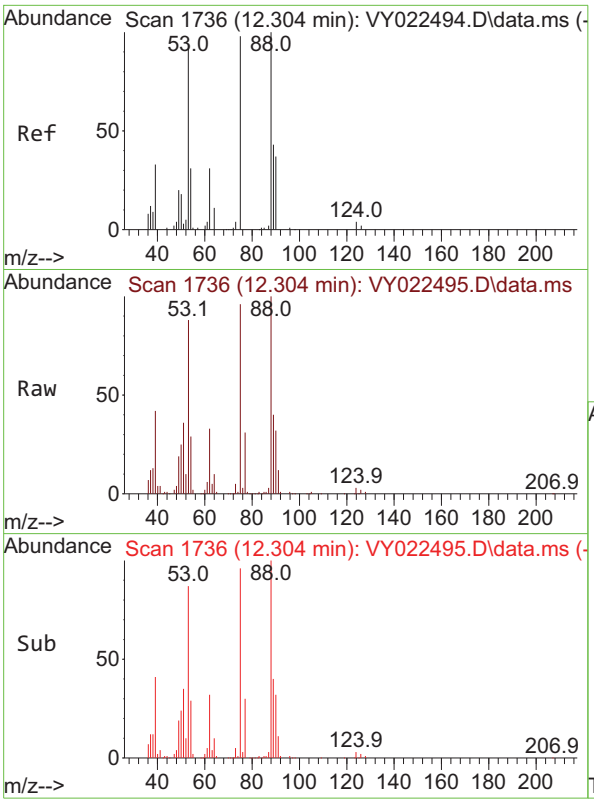


#80
1,3,5-Trimethylbenzene
Concen: 103.959 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:105 Resp: 983812

Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.1	72.4

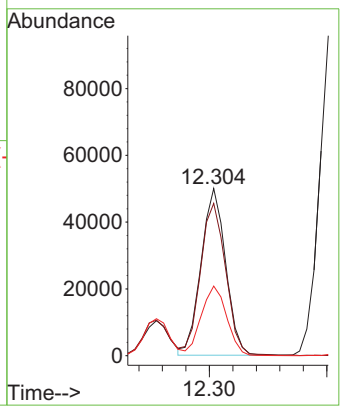




#81
trans-1,4-Dichloro-2-butene
Concen: 104.845 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 75 Resp: 7251

Ion	Ratio	Lower	Upper
75	100		
53	94.6	78.5	117.7
89	43.2	35.7	53.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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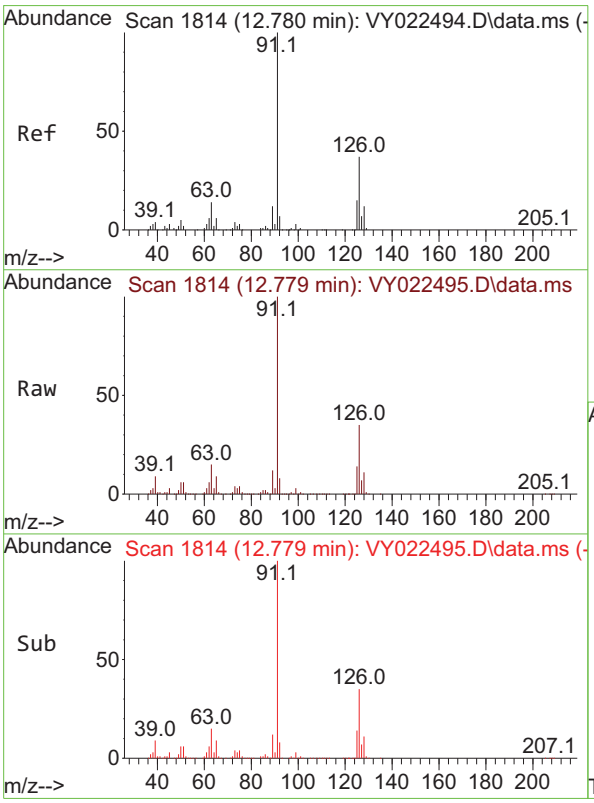
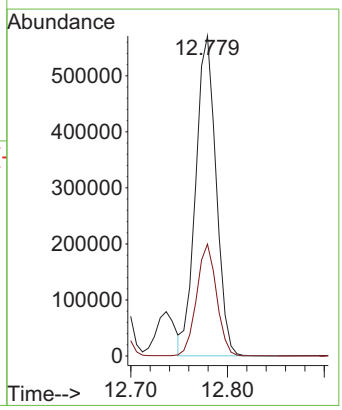
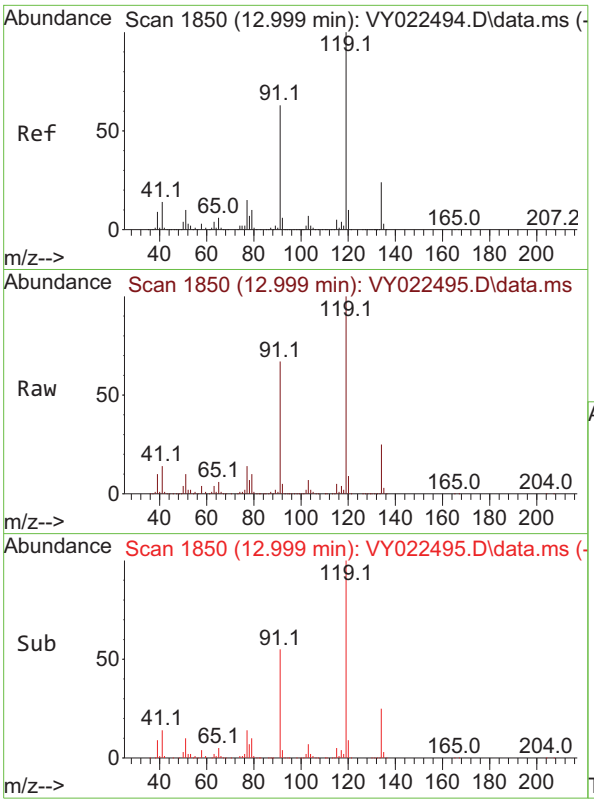


#82
4-Chlorotoluene
Concen: 103.758 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 91 Resp: 836500

Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.0	50.9

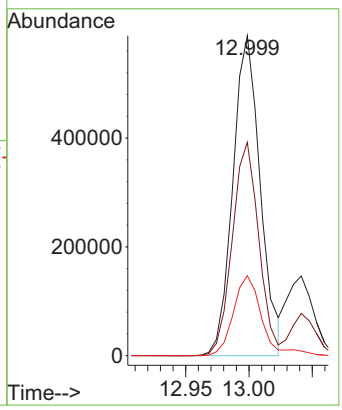




#83
tert-Butylbenzene
Concen: 102.740 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:119 Resp: 88694

Ion	Ratio	Lower	Upper
119	100		
91	64.5	32.1	96.3
134	25.9	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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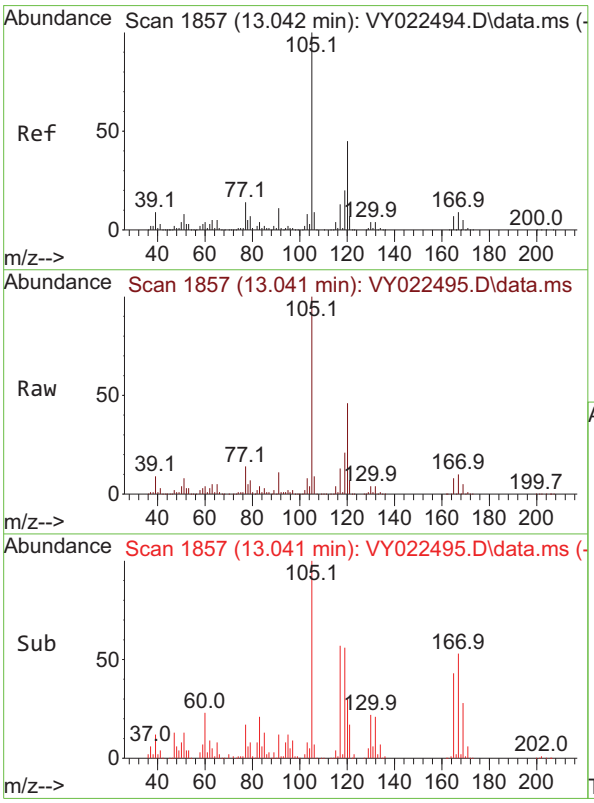
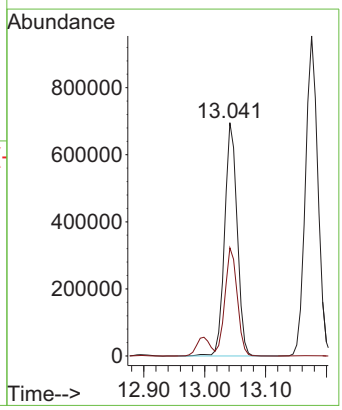
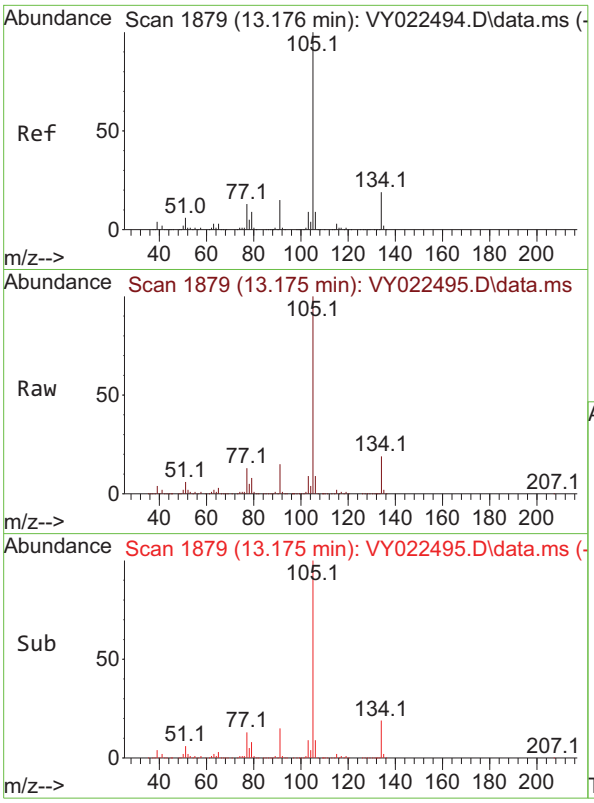


#84
1,2,4-Trimethylbenzene
Concen: 104.854 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:105 Resp: 992770

Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.7	68.1

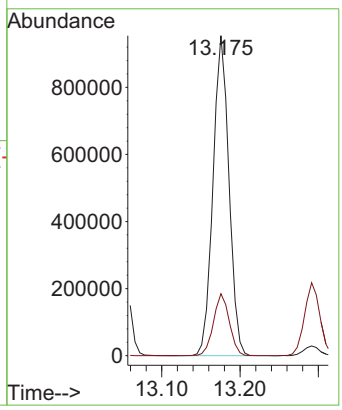




#85
sec-Butylbenzene
Concen: 103.006 ug/l
RT: 13.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:105 Resp: 134820

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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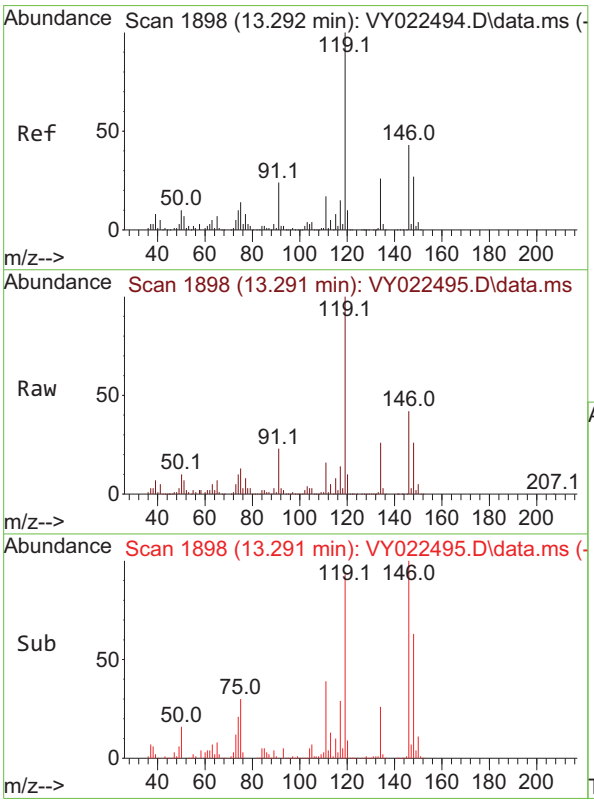
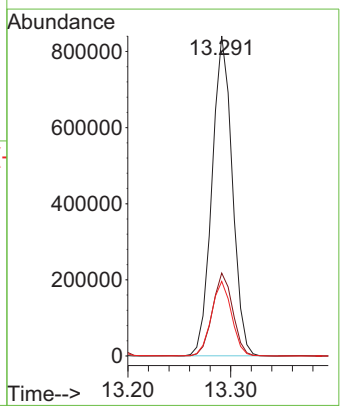
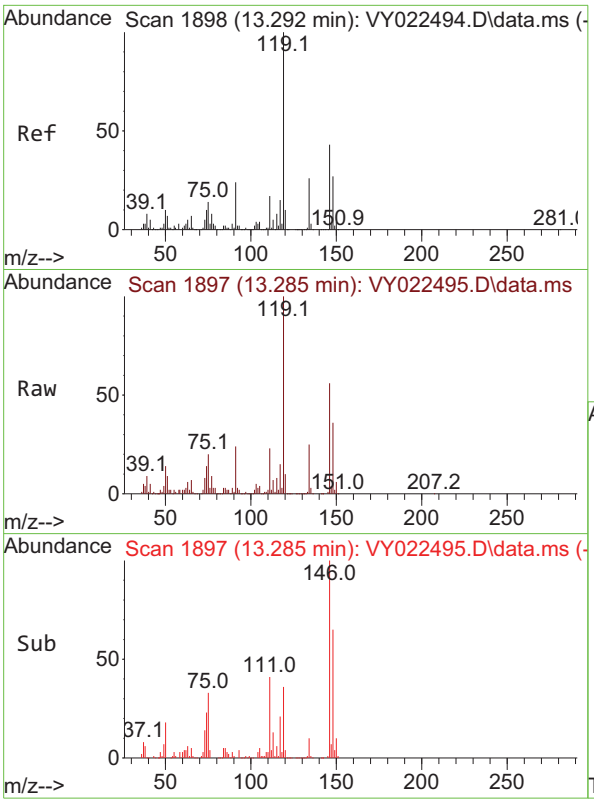


#86
p-Isopropyltoluene
Concen: 106.760 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:119 Resp: 1148821

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.1	39.1
91	23.2	11.6	34.8

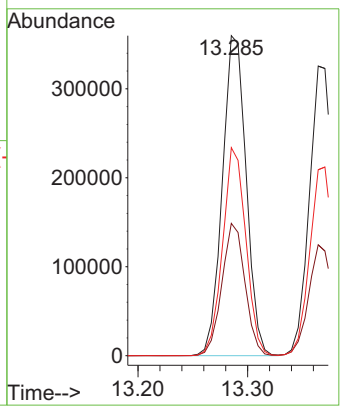




#87
1,3-Dichlorobenzene
Concen: 105.879 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.007 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:146 Resp: 54339

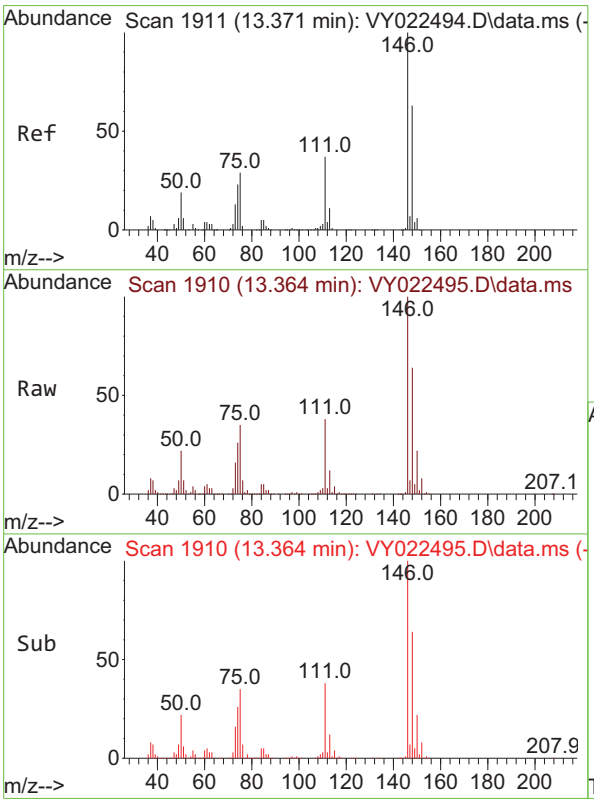
Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.1	60.2
148	63.4	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

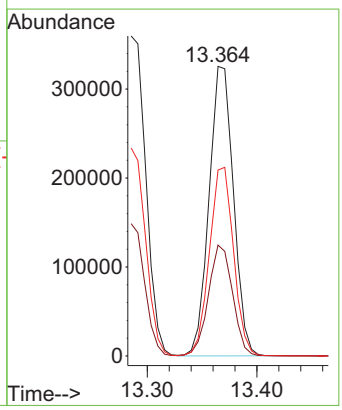
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

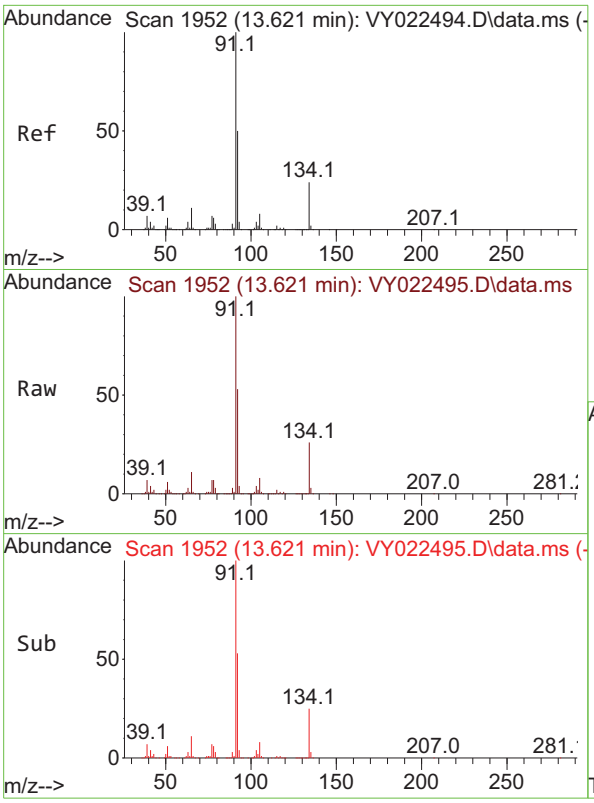


#88
1,4-Dichlorobenzene
Concen: 100.757 ug/l
RT: 13.364 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:146 Resp: 503842

Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.4	58.2
148	64.7	31.6	94.8

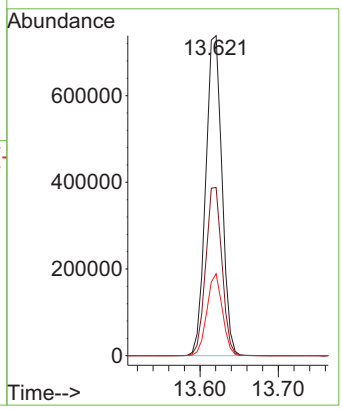




#89
n-Butylbenzene
Concen: 103.713 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 91 Resp: 106259

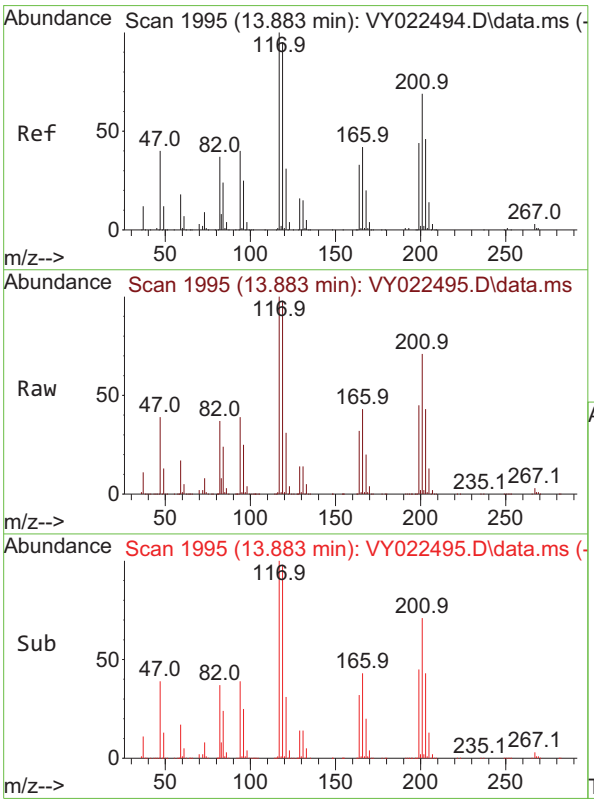
Ion	Ratio	Lower	Upper
91	100		
92	52.4	25.9	77.8
134	24.4	12.0	36.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

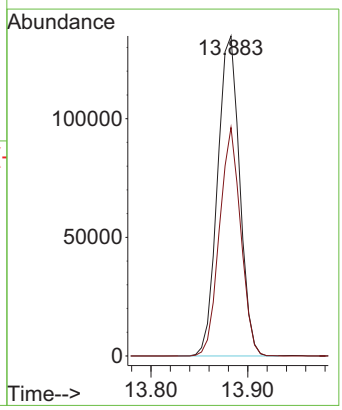
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

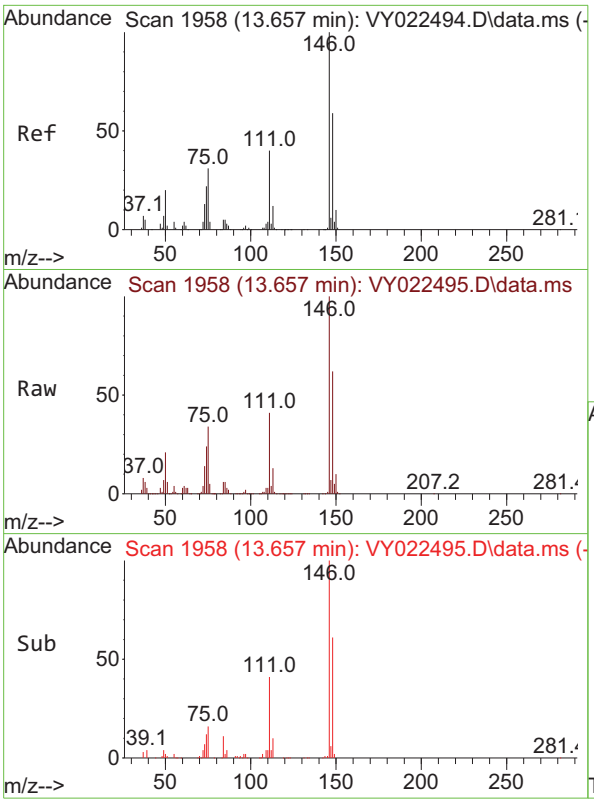


#90
Hexachloroethane
Concen: 101.224 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:117 Resp: 213148

Ion	Ratio	Lower	Upper
117	100		
201	68.6	34.0	102.0

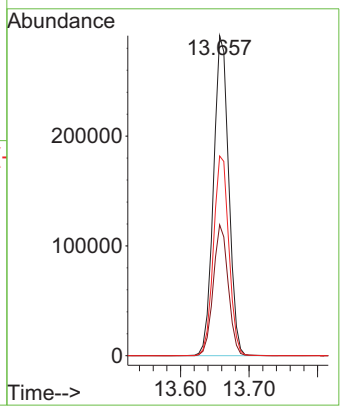




#91
1,2-Dichlorobenzene
Concen: 101.511 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:146 Resp: 44757

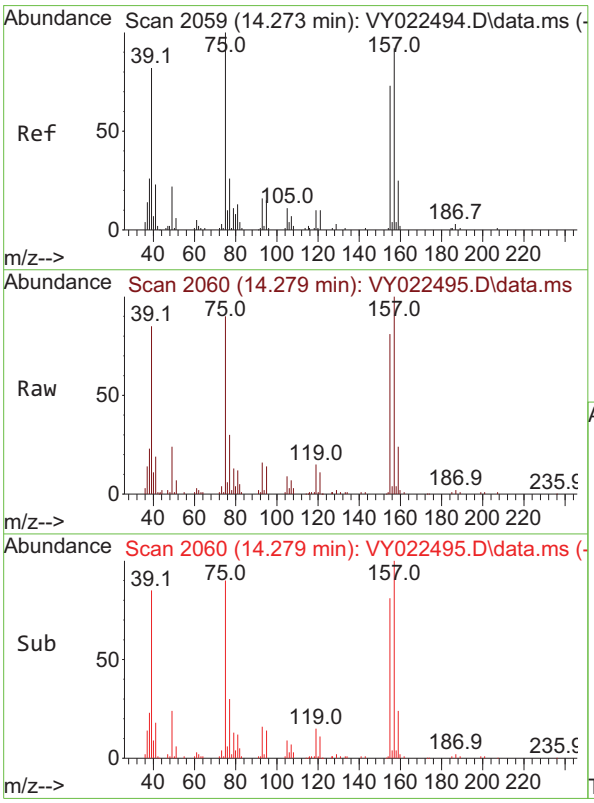
Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.2	60.6
148	63.2	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

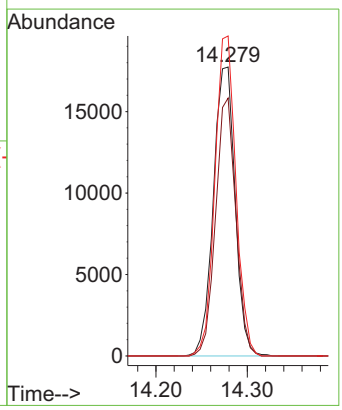
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

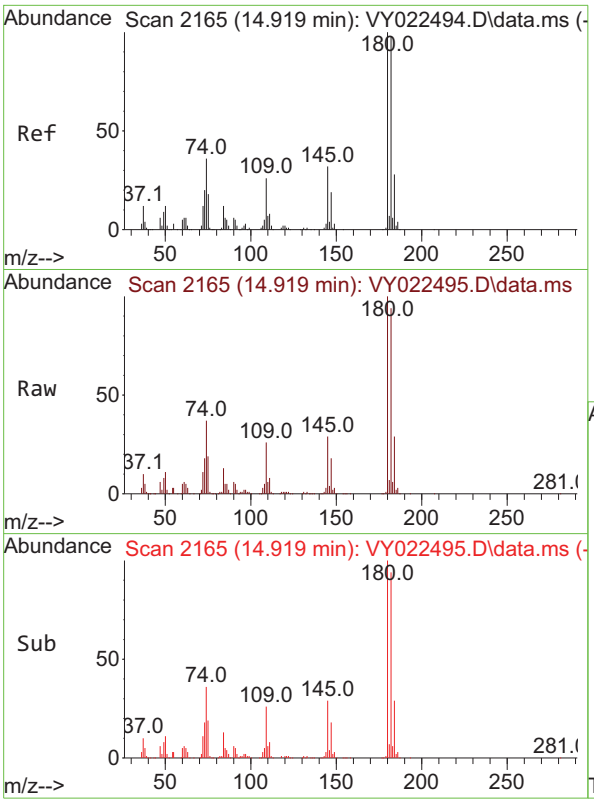


#92
1,2-Dibromo-3-Chloropropane
Concen: 98.805 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 75 Resp: 29357

Ion	Ratio	Lower	Upper
75	100		
155	83.2	39.9	119.6
157	106.6	54.0	162.0

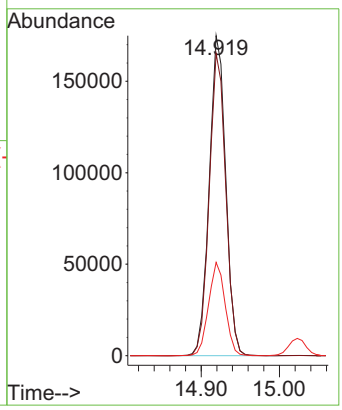




#93
1,2,4-Trichlorobenzene
Concen: 106.117 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:180 Resp: 25575

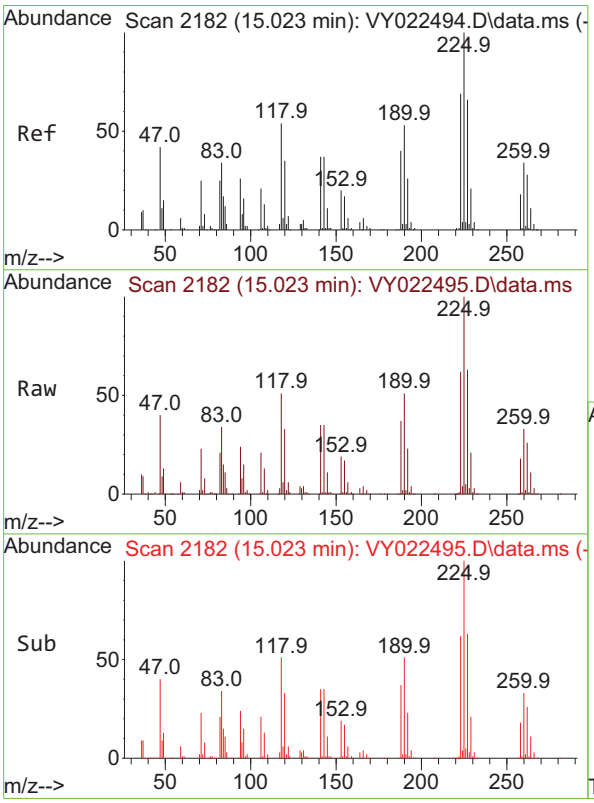
Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.4	145.3
145	29.3	15.5	46.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

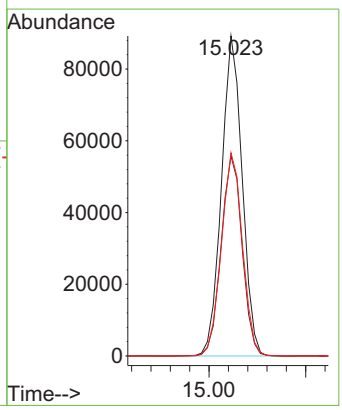
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

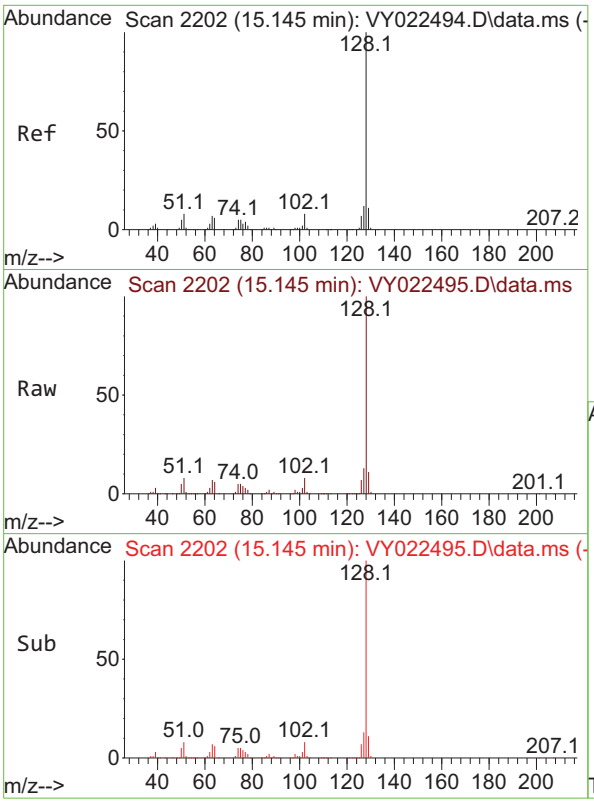


#94
Hexachlorobutadiene
Concen: 100.622 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:225 Resp: 132452

Ion	Ratio	Lower	Upper
225	100		
223	63.3	32.5	97.4
227	64.6	32.3	96.9

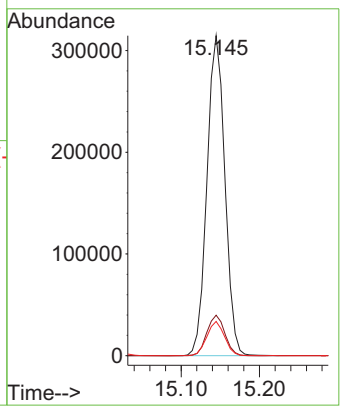




#95
Naphthalene
Concen: 108.155 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:128 Resp: 49955

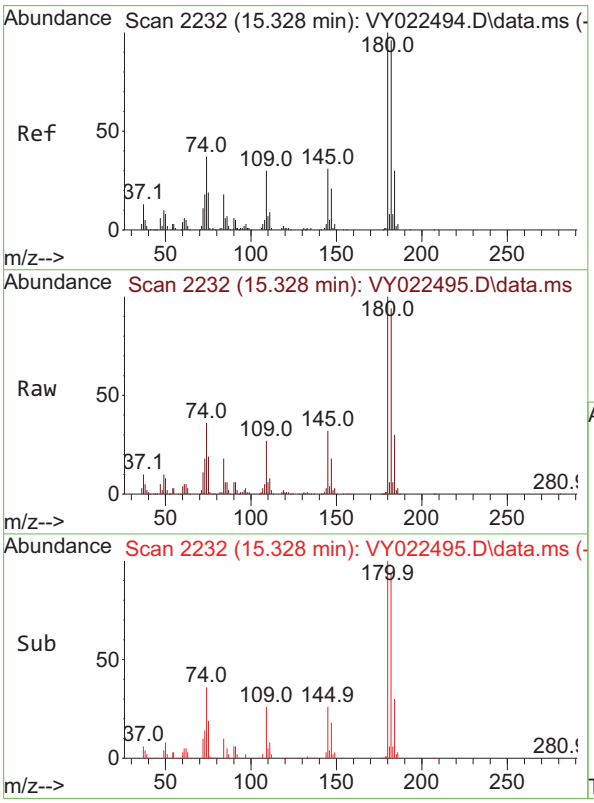
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	10.6	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

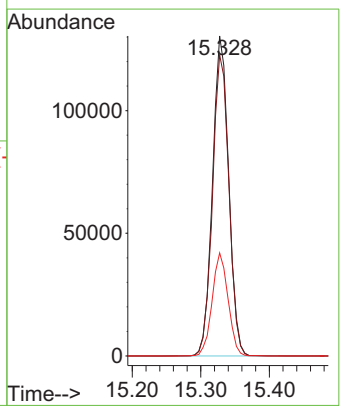
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 104.136 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:180 Resp: 213300

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.1	141.3
145	31.7	15.2	45.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022496.D
Acq On : 02 Jun 2025 13:39
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:57:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	225293	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	367991	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	313951	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	150326	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	377706	154.078	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 308.160%#			
35) Dibromofluoromethane	7.634	113	348038	160.661	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 321.320%#			
50) Toluene-d8	10.109	98	1432587	163.617	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 327.240%#			
62) 4-Bromofluorobenzene	12.408	95	426573	160.684	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 321.360%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	273817	139.086	ug/l	96
3) Chloromethane	2.068	50	800733	137.873	ug/l	99
4) Vinyl Chloride	2.202	62	967746	142.366	ug/l	99
5) Bromomethane	2.586	94	970833	150.991	ug/l	99
6) Chloroethane	2.733	64	651603	140.013	ug/l	95
7) Trichlorofluoromethane	3.050	101	885391	153.303	ug/l	98
8) Diethyl Ether	3.458	74	191391	150.036	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	360800	148.929	ug/l	100
10) Methyl Iodide	4.007	142	416014	160.129	ug/l	100
11) Tert butyl alcohol	4.879	59	128018	731.071	ug/l	100
12) 1,1-Dichloroethene	3.793	96	353193	152.730	ug/l	98
13) Acrolein	3.653	56	156417	731.778	ug/l	100
14) Allyl chloride	4.385	41	551896	153.152	ug/l	100
15) Acrylonitrile	5.061	53	406745	749.634	ug/l	99
16) Acetone	3.879	43	311886	643.577	ug/l	95
17) Carbon Disulfide	4.104	76	1126077	152.513	ug/l	99
18) Methyl Acetate	4.391	43	203507	139.589	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	988071	153.134	ug/l	99
20) Methylene Chloride	4.616	84	371818	137.416	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	399937	154.808	ug/l	99
22) Diisopropyl ether	6.025	45	1244804	155.346	ug/l	99
23) Vinyl Acetate	5.964	43	3806024	800.629	ug/l	100
24) 1,1-Dichloroethane	5.921	63	730276	154.173	ug/l	100
25) 2-Butanone	6.896	43	530692	742.386	ug/l	99
26) 2,2-Dichloropropane	6.890	77	664024	157.698	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	466804	156.334	ug/l	98
28) Bromochloromethane	7.250	49	320509	156.605	ug/l	100
29) Tetrahydrofuran	7.268	42	342435	742.566	ug/l	100
30) Chloroform	7.421	83	717477	153.285	ug/l	94
31) Cyclohexane	7.701	56	667836	140.095	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	660456	157.892	ug/l	99
36) 1,1-Dichloropropene	7.841	75	562935	160.756	ug/l	100
37) Ethyl Acetate	6.988	43	238966	155.059	ug/l	98
38) Carbon Tetrachloride	7.823	117	593167	164.311	ug/l	99
39) Methylcyclohexane	9.109	83	770382	162.851	ug/l	100
40) Benzene	8.085	78	1675603	162.332	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022496.D
Acq On : 02 Jun 2025 13:39
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:57:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	136495	137.523	ug/l		98
42) 1,2-Dichloroethane	8.158	62	442216	157.491	ug/l		98
43) Isopropyl Acetate	8.201	43	522842	155.250	ug/l		98
44) Trichloroethene	8.866	130	394832	156.583	ug/l		97
45) 1,2-Dichloropropane	9.140	63	385206	156.539	ug/l		99
46) Dibromomethane	9.231	93	218014	158.140	ug/l		100
47) Bromodichloromethane	9.426	83	560425	160.221	ug/l		97
48) Methyl methacrylate	9.225	41	252724	163.897	ug/l		99
49) 1,4-Dioxane	9.231	88	50874	3093.301	ug/l		95
51) 4-Methyl-2-Pentanone	10.000	43	1358512	812.744	ug/l		98
52) Toluene	10.170	92	1093200	168.447	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	537922	166.237	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	615667	162.259	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	274460	158.086	ug/l		97
56) Ethyl methacrylate	10.438	69	423233	167.865	ug/l		99
57) 1,3-Dichloropropane	10.719	76	488570	158.010	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	1000760	890.345	ug/l		100
59) 2-Hexanone	10.762	43	896627	804.699	ug/l		100
60) Dibromochloromethane	10.914	129	356873	162.227	ug/l		100
61) 1,2-Dibromoethane	11.018	107	254128	158.625	ug/l		96
64) Tetrachloroethene	10.646	164	406758	152.453	ug/l		98
65) Chlorobenzene	11.444	112	1113347	163.544	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	395046	171.190	ug/l		99
67) Ethyl Benzene	11.518	91	2196819	173.285	ug/l		100
68) m/p-Xylenes	11.627	106	1694177	353.103	ug/l		100
69) o-Xylene	11.957	106	777688	173.188	ug/l		99
70) Styrene	11.969	104	1334986	179.564	ug/l		99
71) Bromoform	12.133	173	201469	166.138	ug/l	#	99
73) Isopropylbenzene	12.255	105	2011262	166.060	ug/l		100
74) N-amyl acetate	12.072	43	508301	165.957	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	310641	157.927	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	231729m	116.768	ug/l		
77) Bromobenzene	12.530	156	417122	162.489	ug/l		100
78) n-propylbenzene	12.597	91	2416013	163.876	ug/l		98
79) 2-Chlorotoluene	12.682	91	1275581	163.862	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	1576906	166.511	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	111432	160.989	ug/l		96
82) 4-Chlorotoluene	12.780	91	1334965	165.467	ug/l		99
83) tert-Butylbenzene	12.999	119	1434641	166.064	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	1623289	171.323	ug/l		99
85) sec-Butylbenzene	13.176	105	2140445	163.415	ug/l		100
86) p-Isopropyltoluene	13.292	119	1877539	174.353	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	885058	172.326	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	803022	160.470	ug/l		99
89) n-Butylbenzene	13.615	91	1691118	164.939	ug/l		99
90) Hexachloroethane	13.877	117	338845	160.801	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	705129	159.809	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	44514	149.709	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	390170	161.773	ug/l		97
94) Hexachlorobutadiene	15.023	225	199423	151.389	ug/l		98
95) Naphthalene	15.145	128	753279	162.970	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	321960	157.072	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022496.D
Acq On : 02 Jun 2025 13:39
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:57:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 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

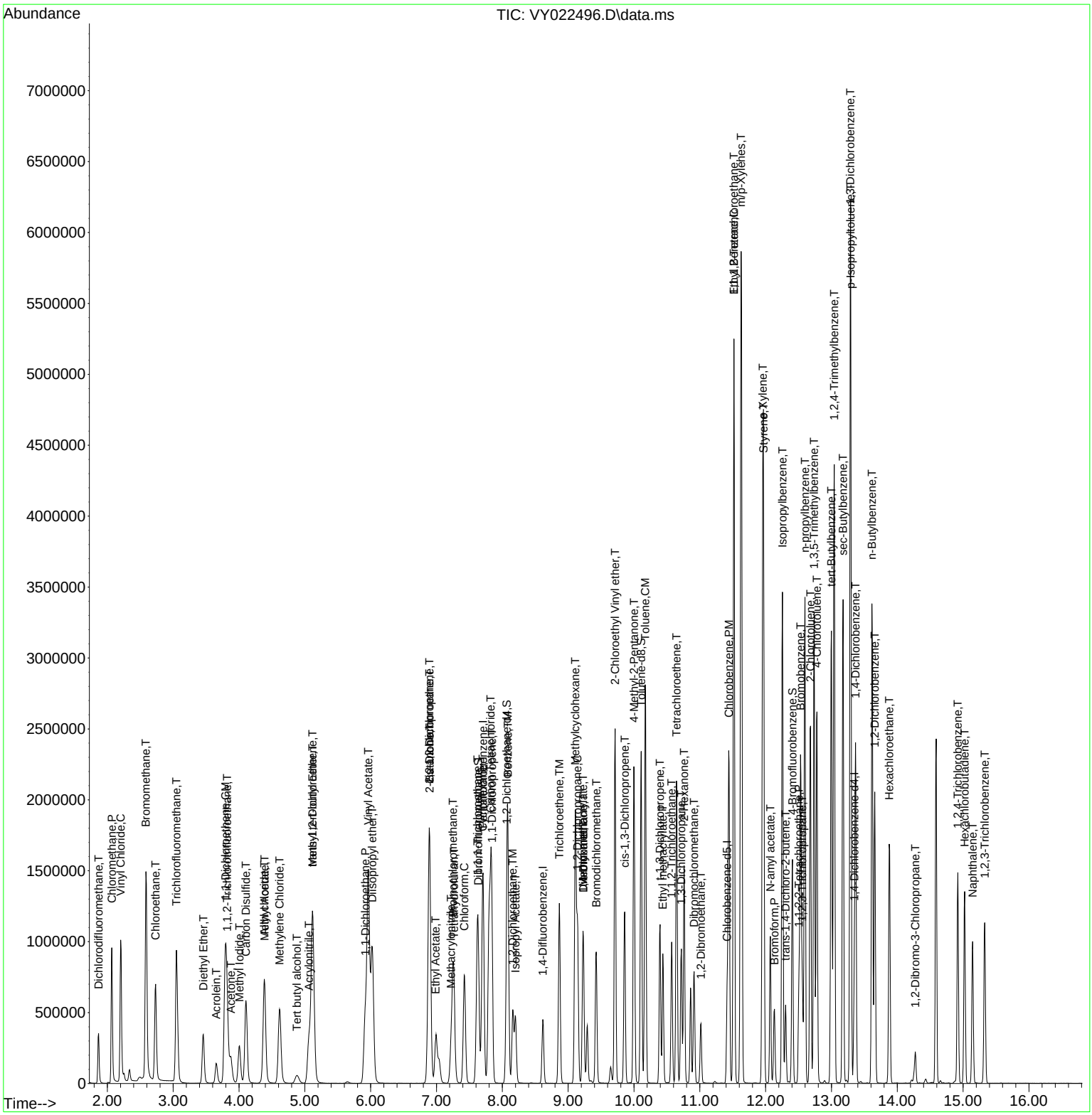
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022496.D
Acq On : 02 Jun 2025 13:39
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

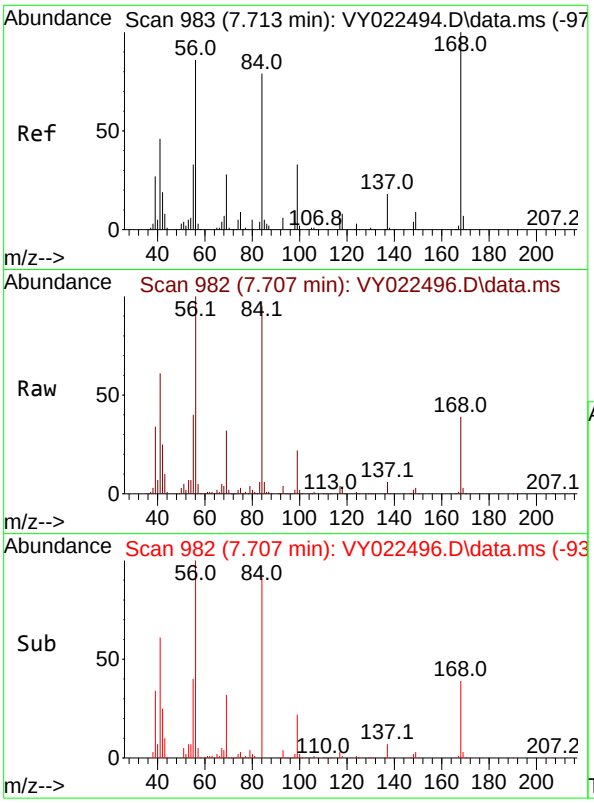
Quant Time: Jun 03 02:57:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:168 Resp: 22529

Ion	Ratio	Lower	Upper
168	100		
99	56.1	44.3	66.5

Instrument :
MSVOA_Y
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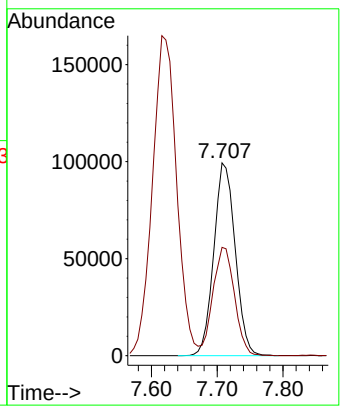
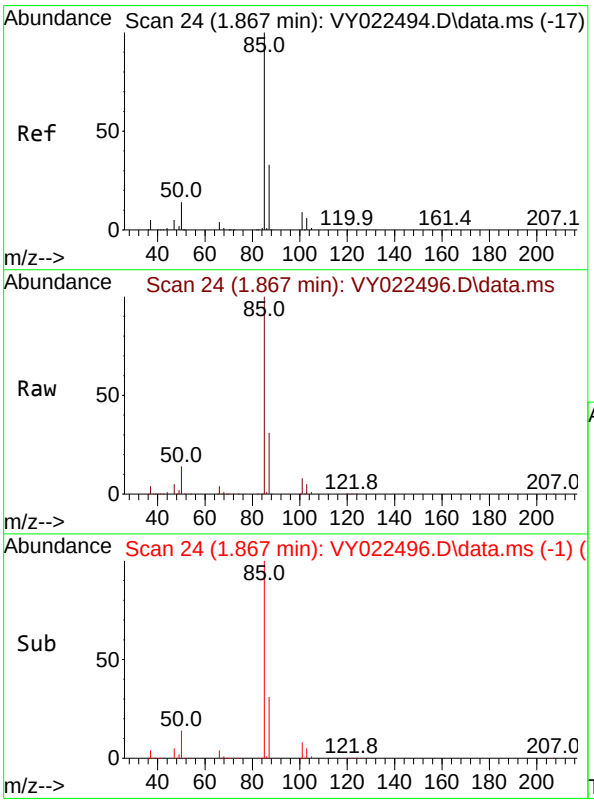
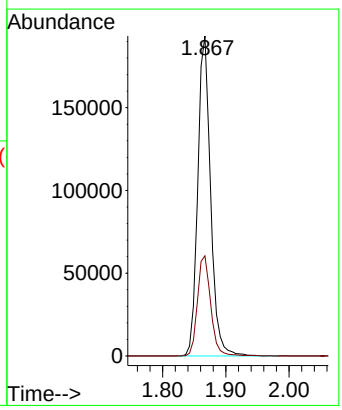


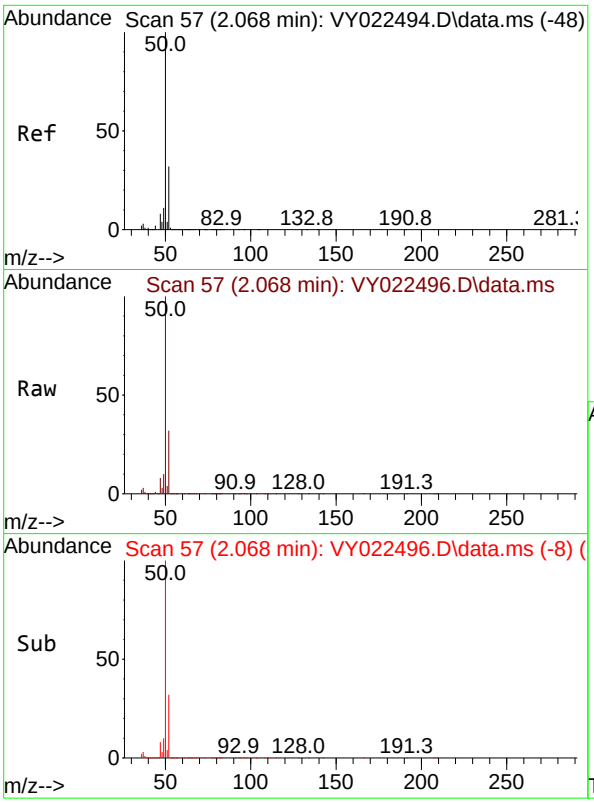


#2
Dichlorodifluoromethane
Concen: 139.086 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 85 Resp: 273817

Ion	Ratio	Lower	Upper
85	100		
87	31.3	16.7	50.0

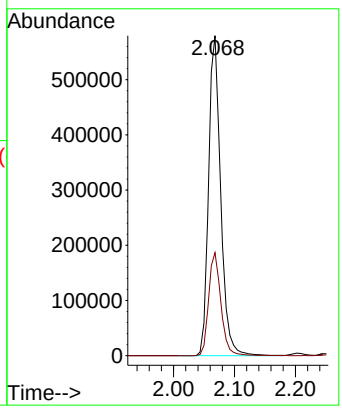




#3
Chloromethane
Concen: 137.873 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 50 Resp: 80073

Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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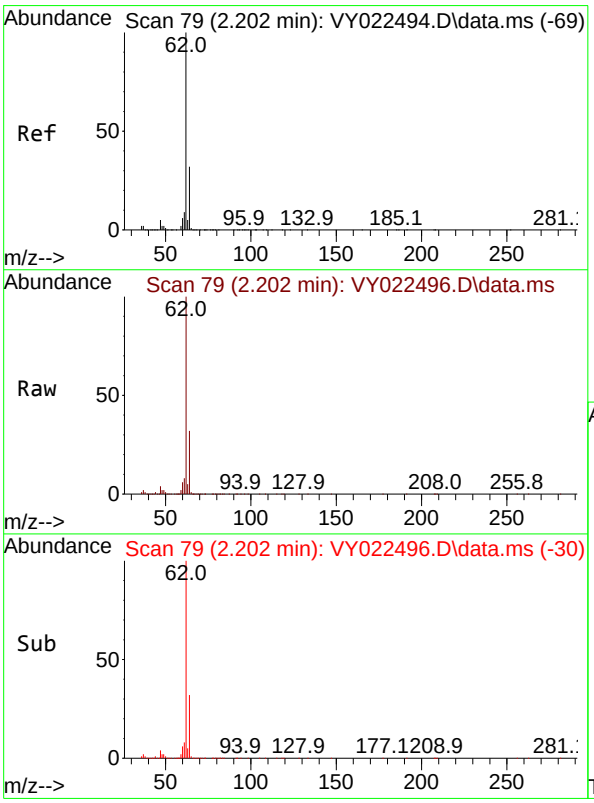
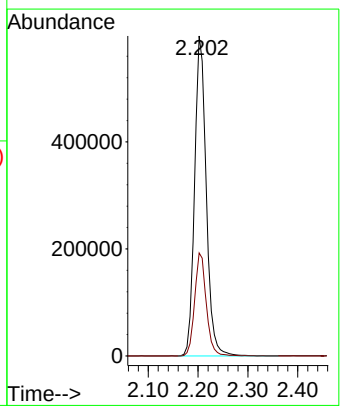
Supervised By :Mahesh Dadoda 06/03/2025

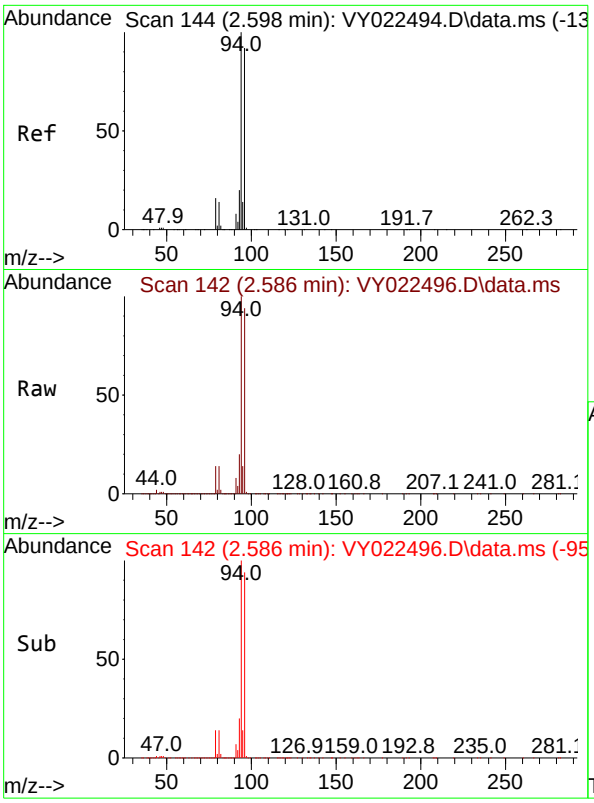


#4
Vinyl Chloride
Concen: 142.366 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 62 Resp: 967746

Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.3	37.9

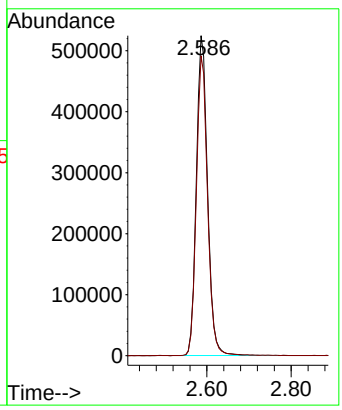




#5
Bromomethane
Concen: 150.991 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 94 Resp: 97083

Ion	Ratio	Lower	Upper
94	100		
96	93.7	74.0	111.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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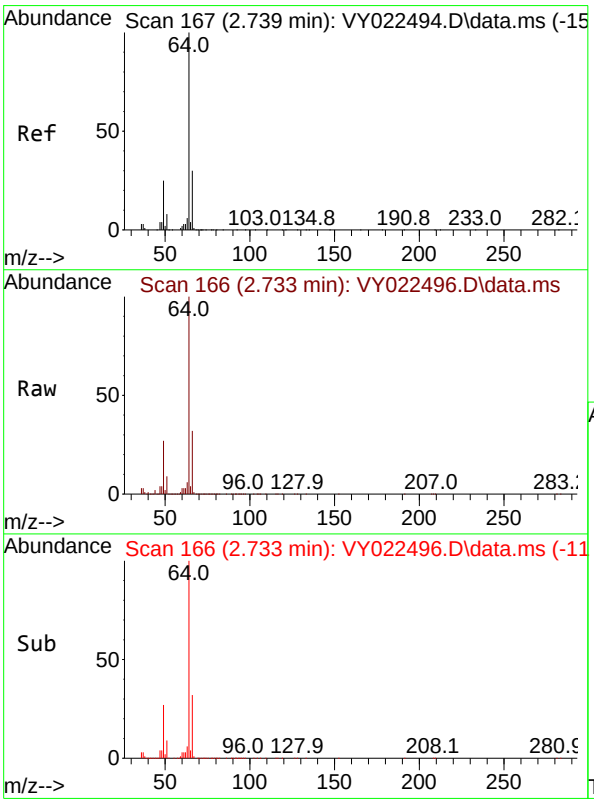
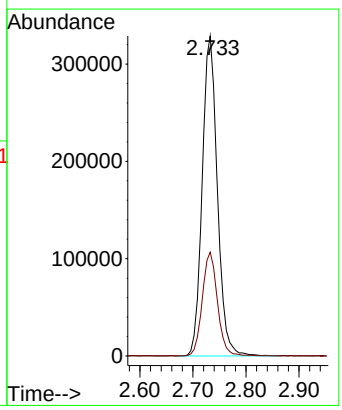
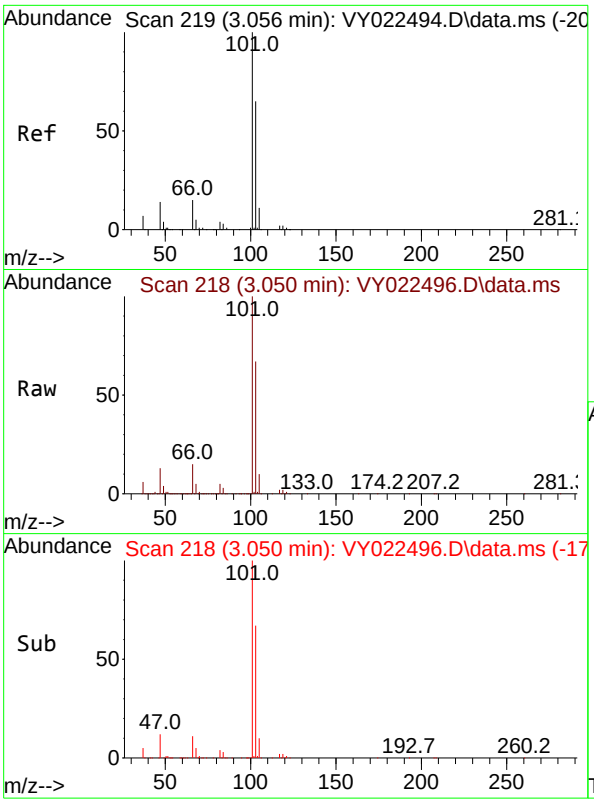


#6
Chloroethane
Concen: 140.013 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 64 Resp: 651603

Ion	Ratio	Lower	Upper
64	100		
66	32.4	23.8	35.6

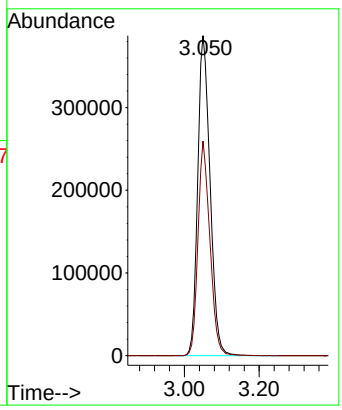




#7
Trichlorofluoromethane
Concen: 153.303 ug/l
RT: 3.050 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:101 Resp: 88539

Ion	Ratio	Lower	Upper
101	100		
103	67.0	52.2	78.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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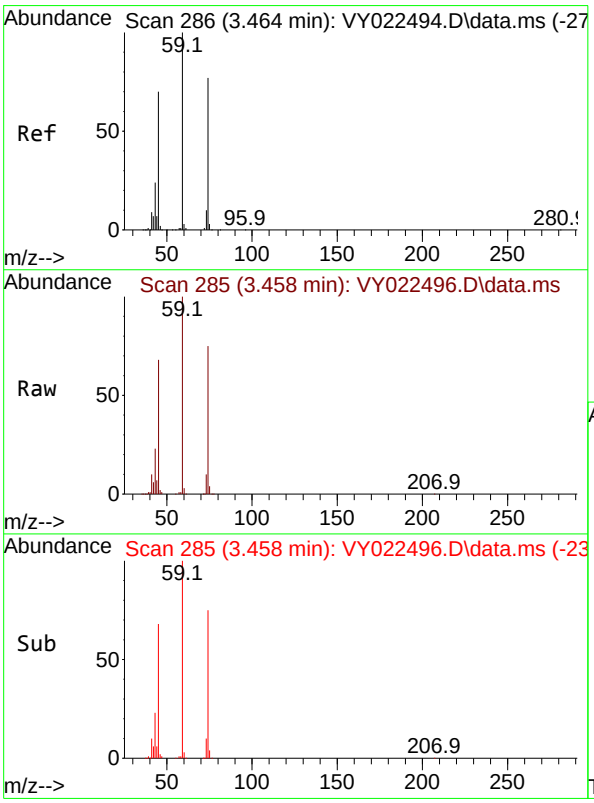
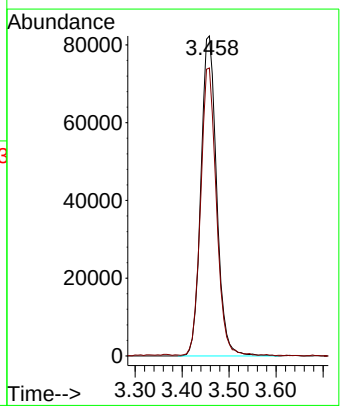
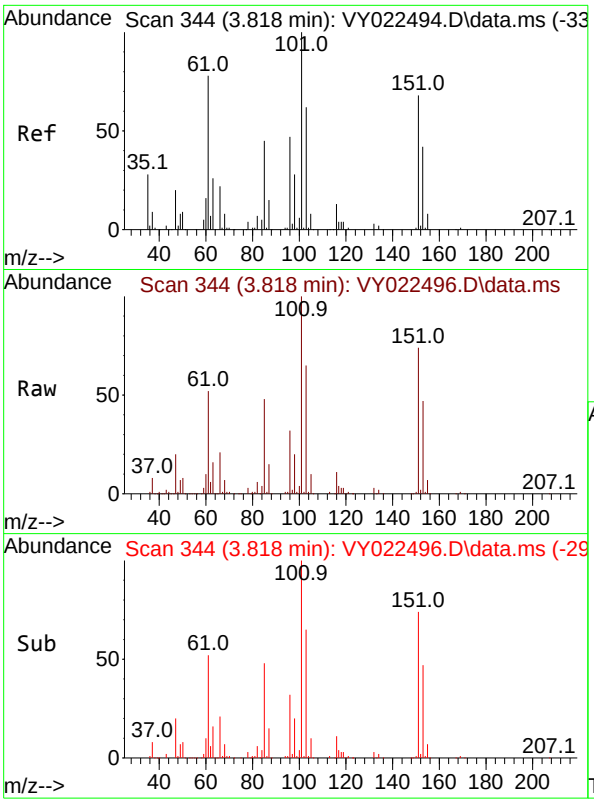


#8
Diethyl Ether
Concen: 150.036 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 74 Resp: 191391

Ion	Ratio	Lower	Upper
74	100		
45	89.8	45.9	137.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 148.929 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:101 Resp: 360800

Ion	Ratio	Lower	Upper
101	100		
85	48.7	39.3	58.9
151	72.4	57.8	86.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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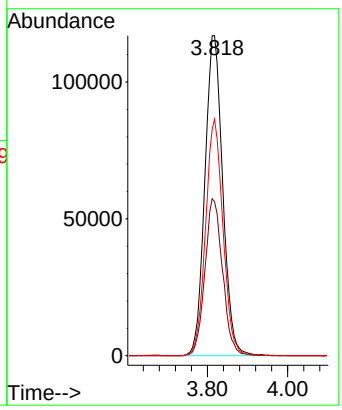
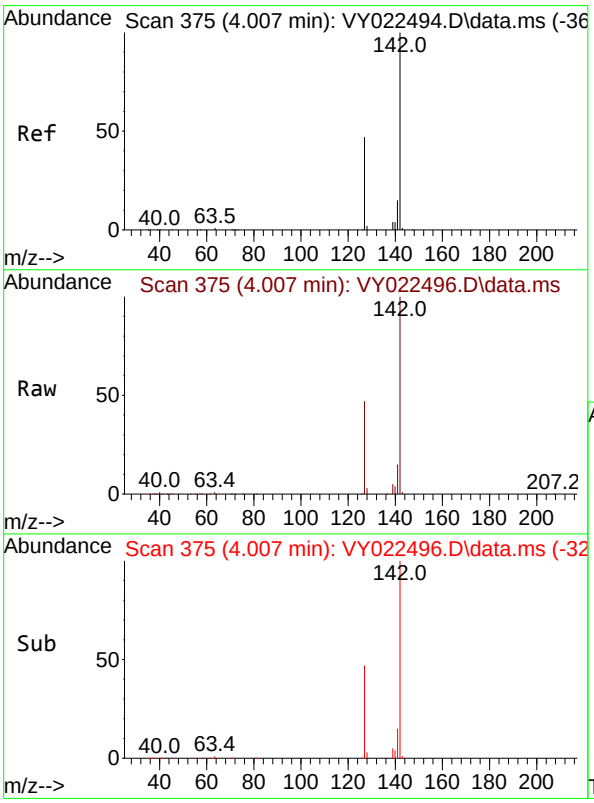
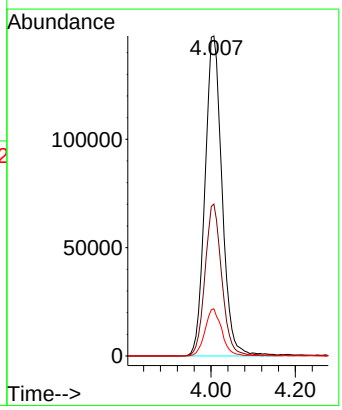


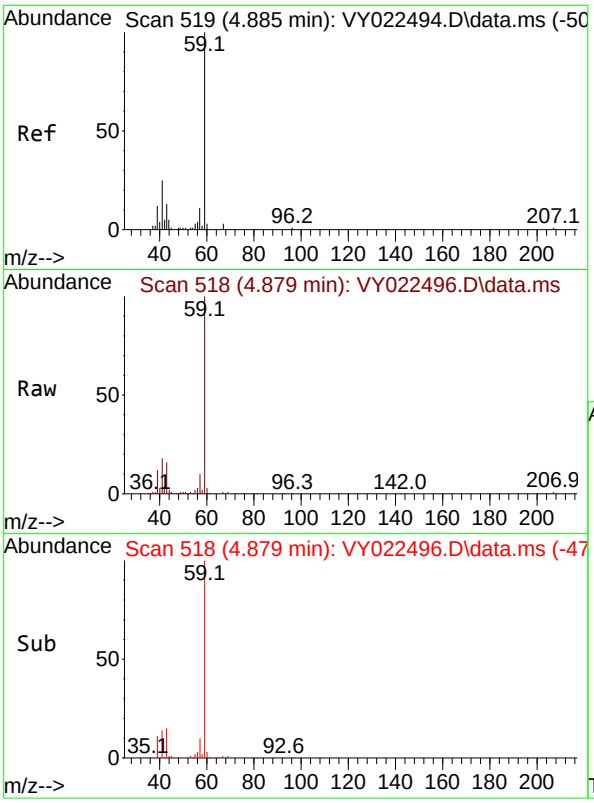


#10
Methyl Iodide
Concen: 160.129 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:142 Resp: 416014

Ion	Ratio	Lower	Upper
142	100		
127	46.7	37.1	55.7
141	14.6	11.4	17.2





#11
Tert butyl alcohol
Concen: 731.071 ug/l
RT: 4.879 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 59 Resp: 12801

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.0	12.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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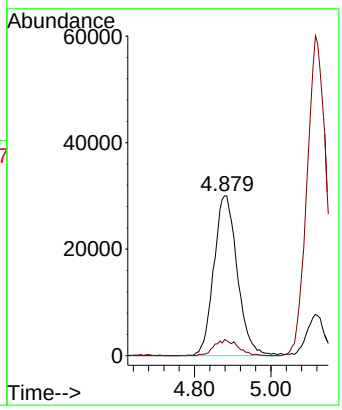
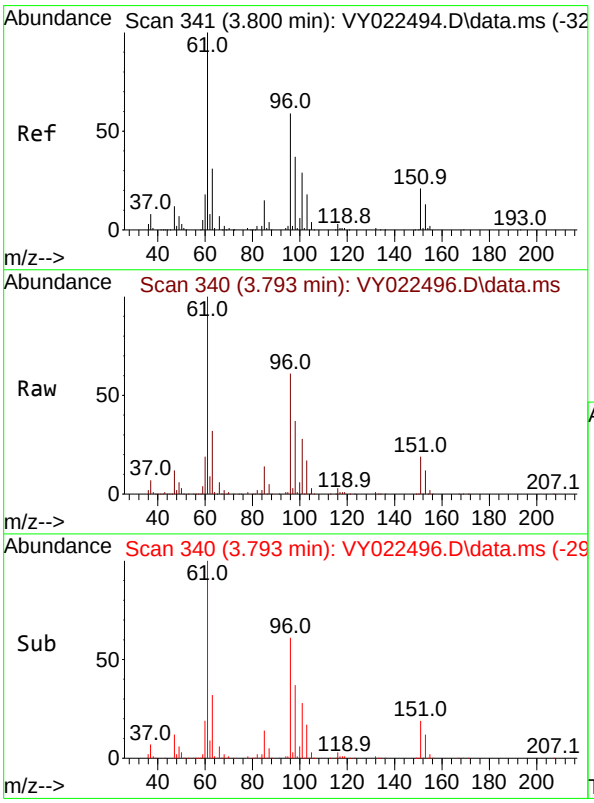
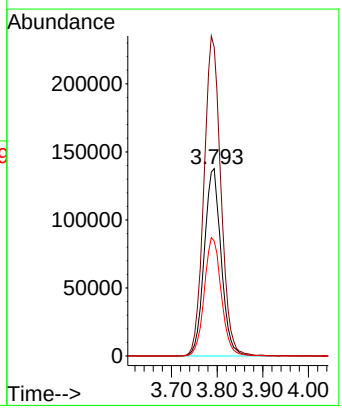


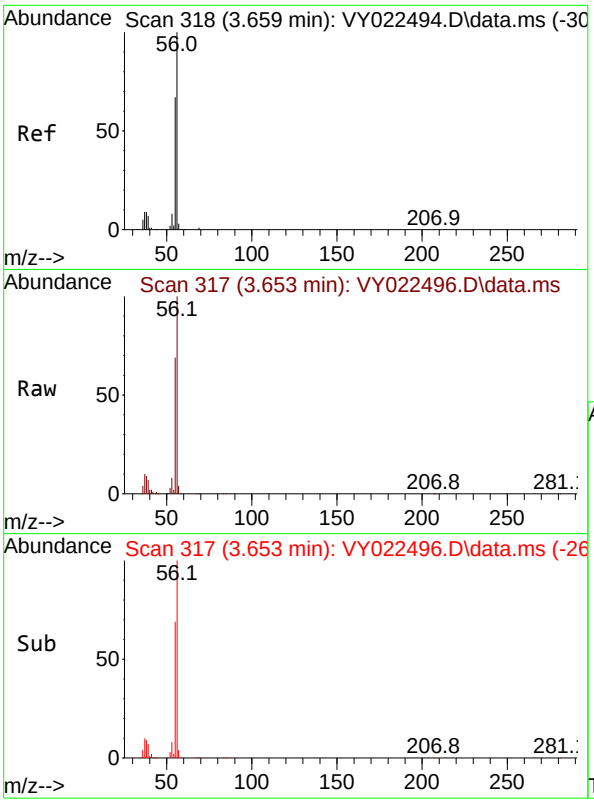


#12
1,1-Dichloroethene
Concen: 152.730 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 96 Resp: 353193

Ion	Ratio	Lower	Upper
96	100		
61	164.8	134.6	201.8
98	61.3	50.2	75.4

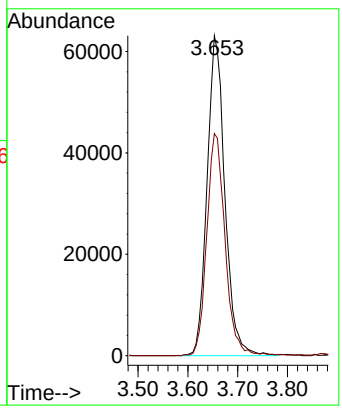




#13
Acrolein
Concen: 731.778 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 56 Resp: 15641

Ion	Ratio	Lower	Upper
56	100		
55	70.9	57.0	85.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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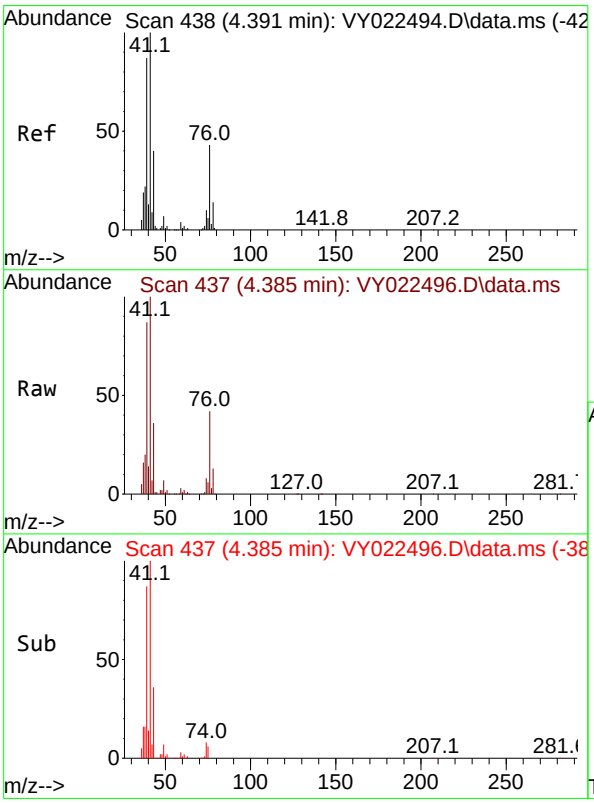
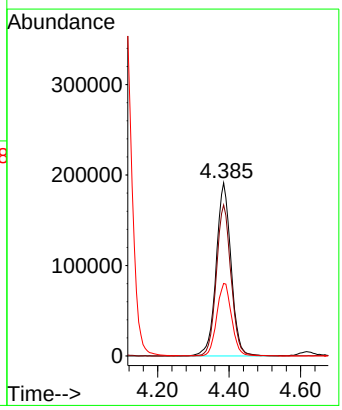
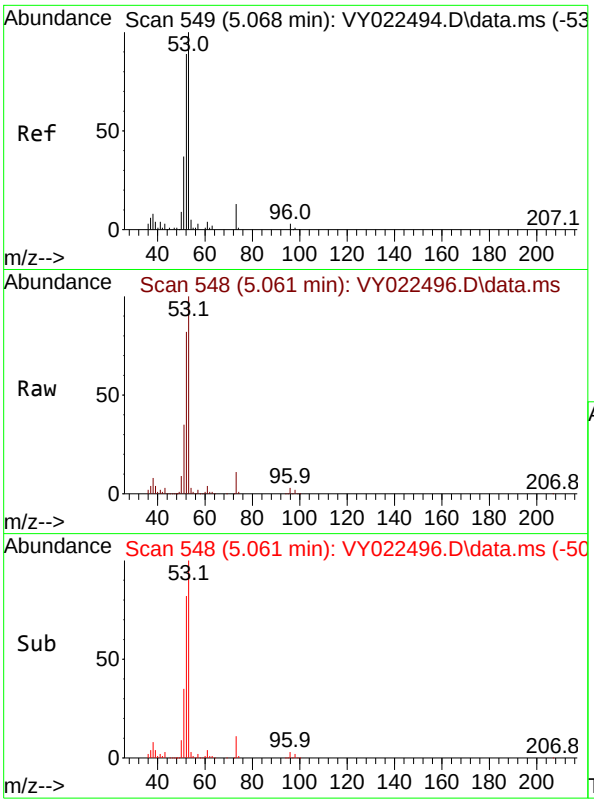


#14
Allyl chloride
Concen: 153.152 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 41 Resp: 551896

Ion	Ratio	Lower	Upper
41	100		
39	86.2	69.1	103.7
76	41.5	33.5	50.3





#15
Acrylonitrile
Concen: 749.634 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 53 Resp: 40674

Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.7	98.5
51	37.1	30.1	45.1

Instrument :
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ClientSampleId :
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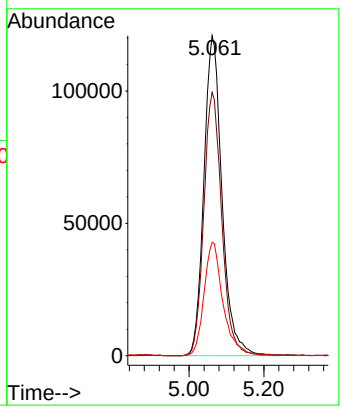
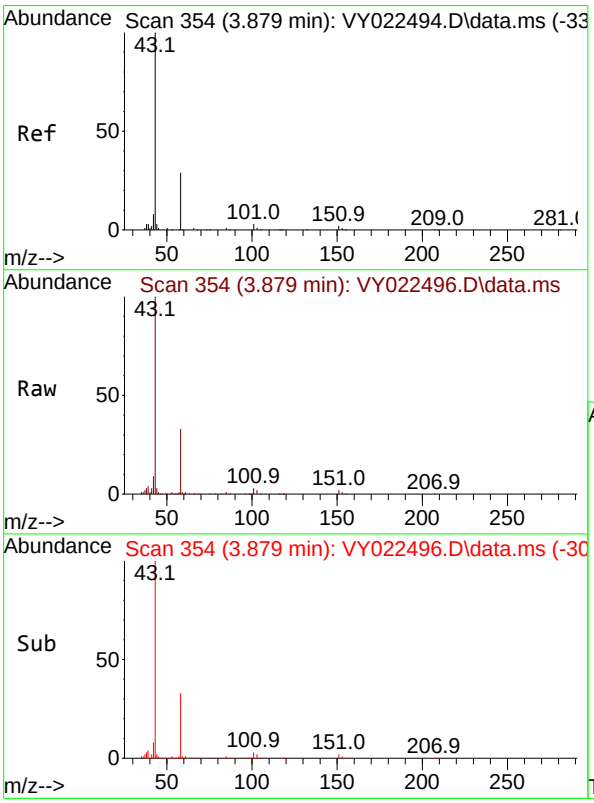
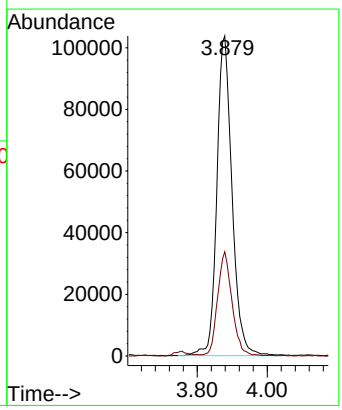


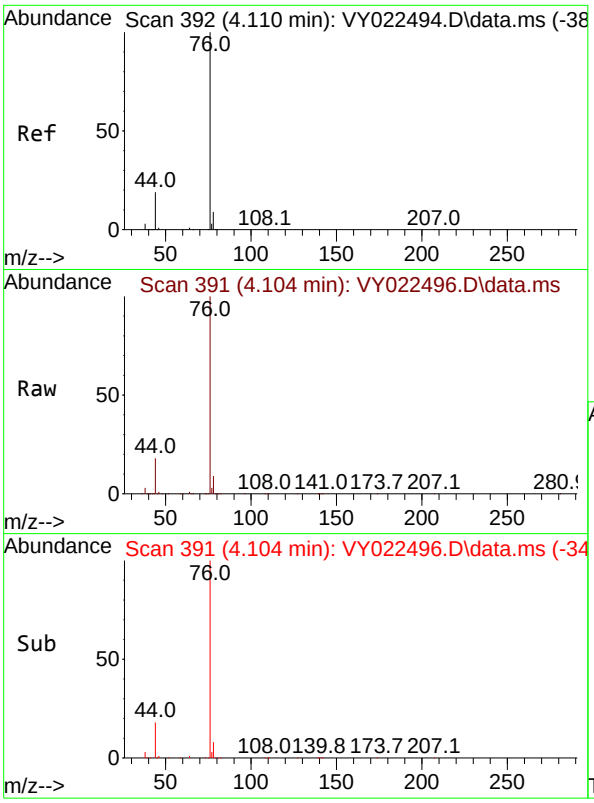


#16
Acetone
Concen: 643.577 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 43 Resp: 311886

Ion	Ratio	Lower	Upper
43	100		
58	32.5	24.0	36.0





#17
Carbon Disulfide
Concen: 152.513 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 76 Resp: 112607

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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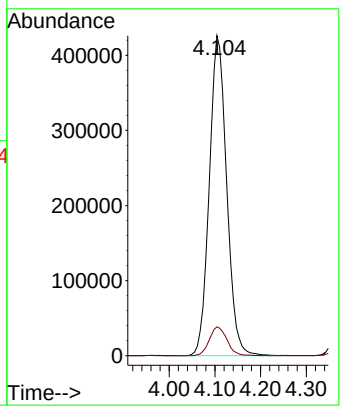
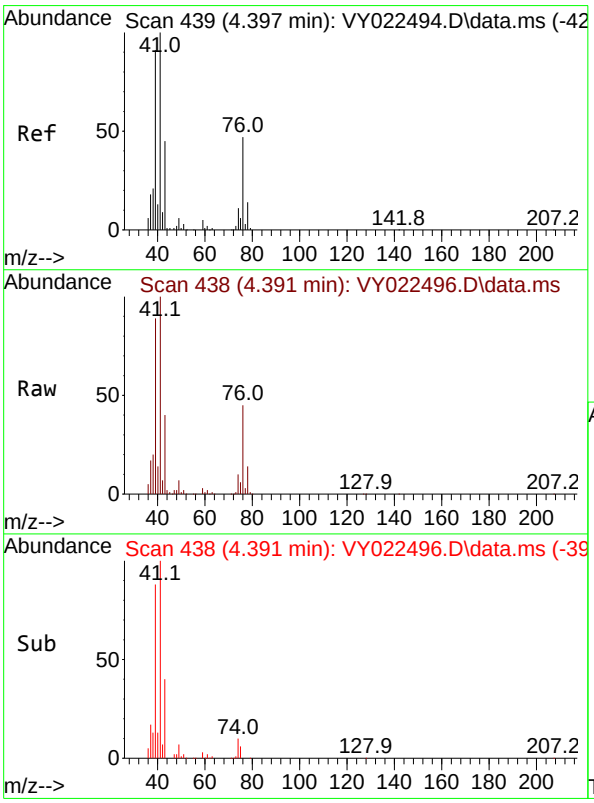
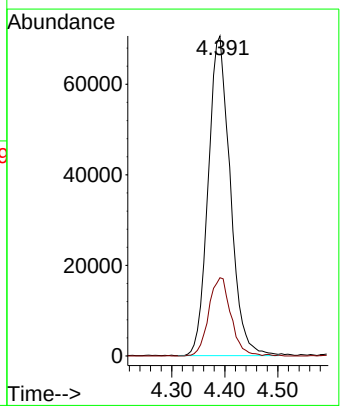


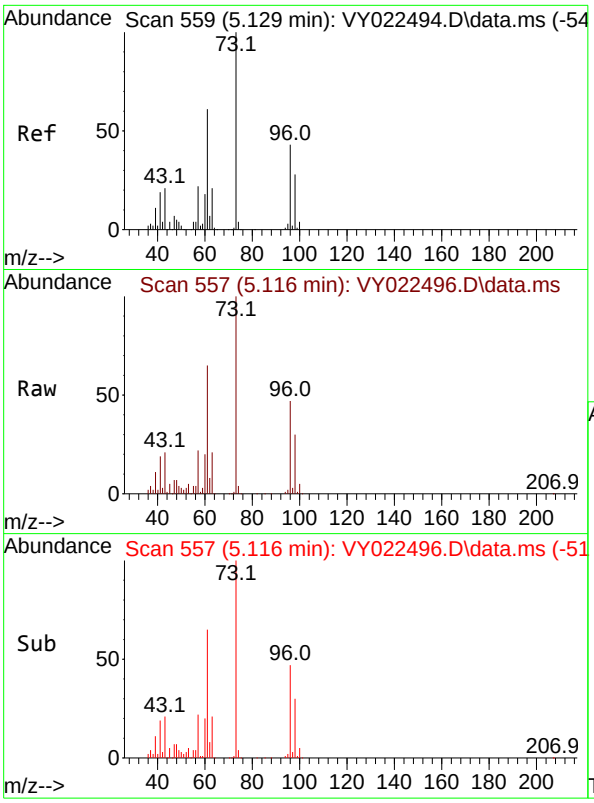


#18
Methyl Acetate
Concen: 139.589 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 43 Resp: 203507

Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.8	29.6

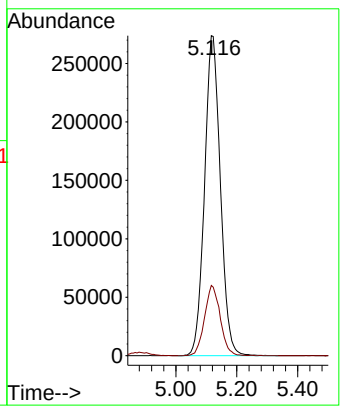




#19
Methyl tert-butyl Ether
Concen: 153.134 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 73 Resp: 98807

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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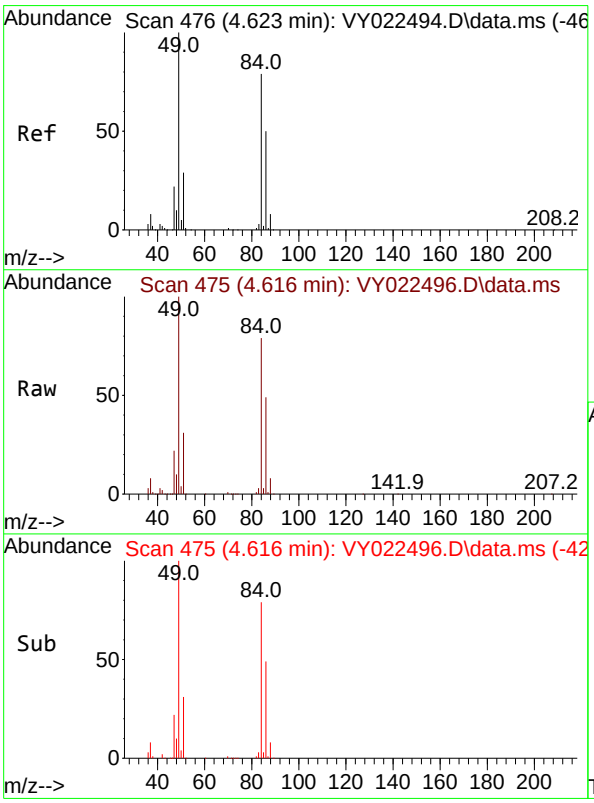
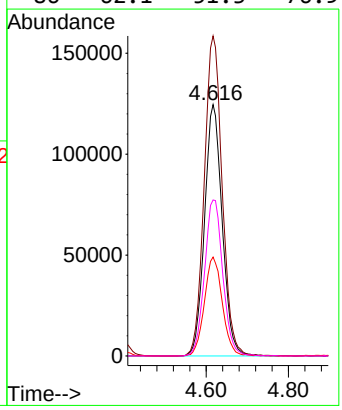
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

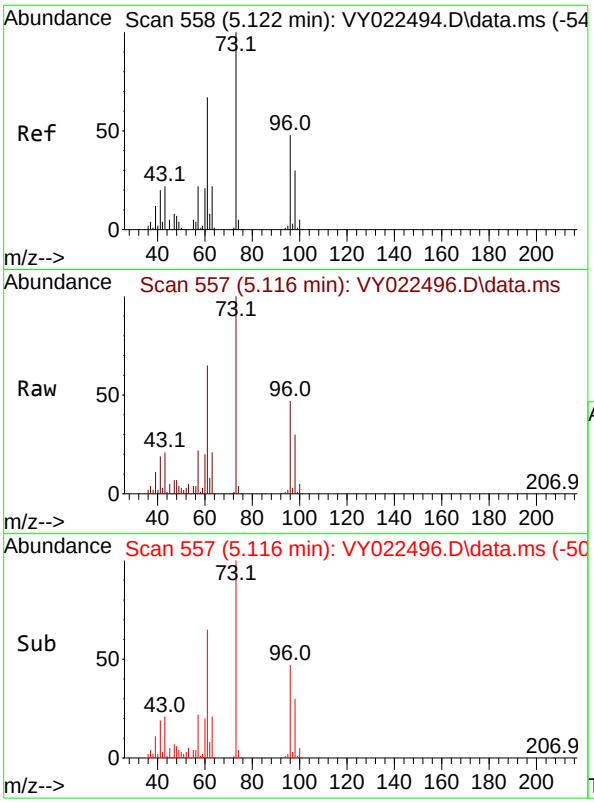


#20
Methylene Chloride
Concen: 137.416 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 84 Resp: 371818

Ion	Ratio	Lower	Upper
84	100		
49	127.3	101.9	152.9
51	39.4	29.8	44.8
86	62.1	51.3	76.9





#21
trans-1,2-Dichloroethene
Concen: 154.808 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 96 Resp: 39993

Ion	Ratio	Lower	Upper
96	100		
61	140.1	112.6	169.0
98	64.1	50.6	75.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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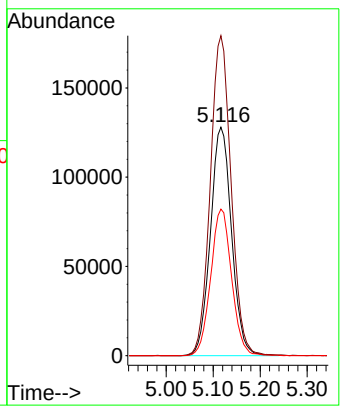
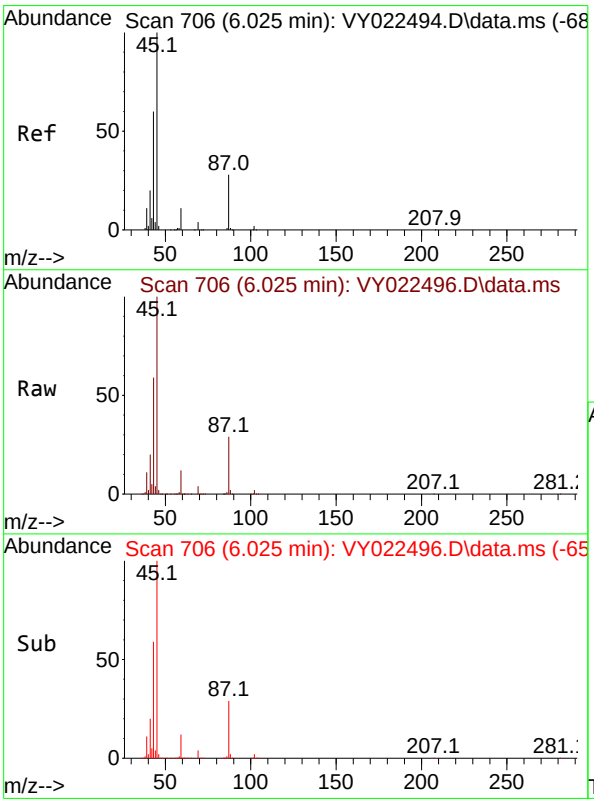
Supervised By :Mahesh Dadoda 06/03/2025

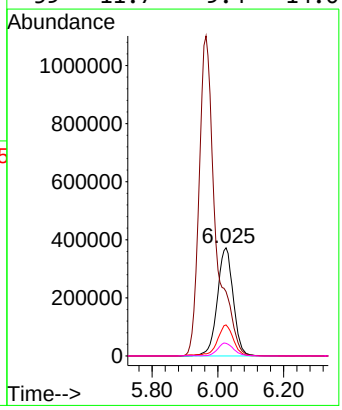


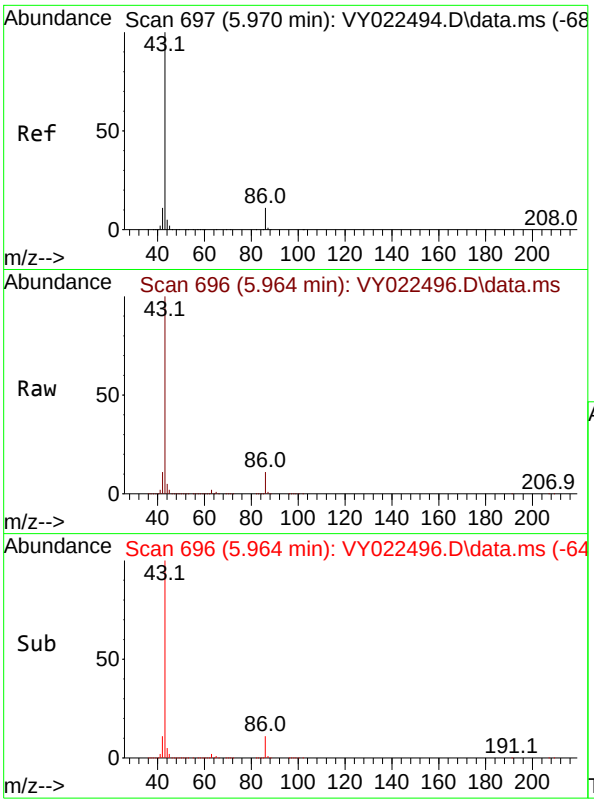


#22
Diisopropyl ether
Concen: 155.346 ug/l
RT: 6.025 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 45 Resp: 1244804

Ion	Ratio	Lower	Upper
45	100		
43	59.5	48.3	72.5
87	28.6	23.0	34.6
59	11.7	9.4	14.0





#23
Vinyl Acetate
Concen: 800.629 ug/l
RT: 5.964 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 43 Resp: 380602

Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.6	12.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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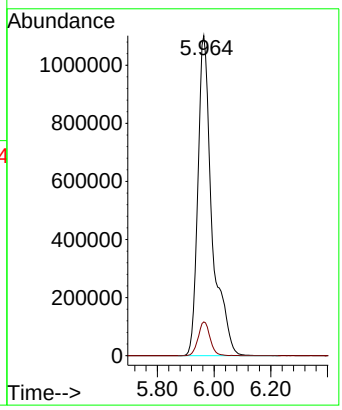
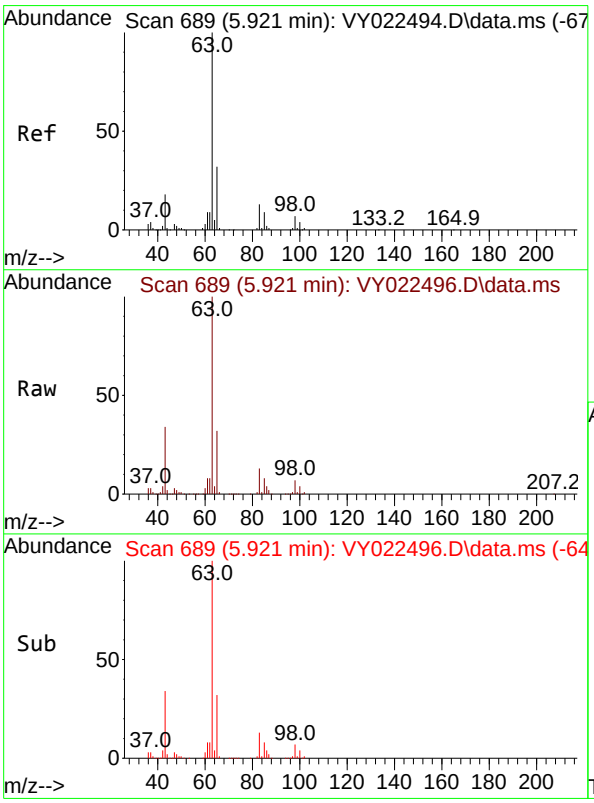
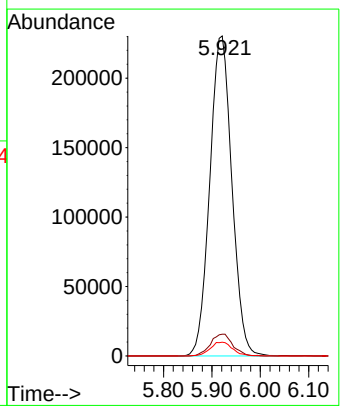


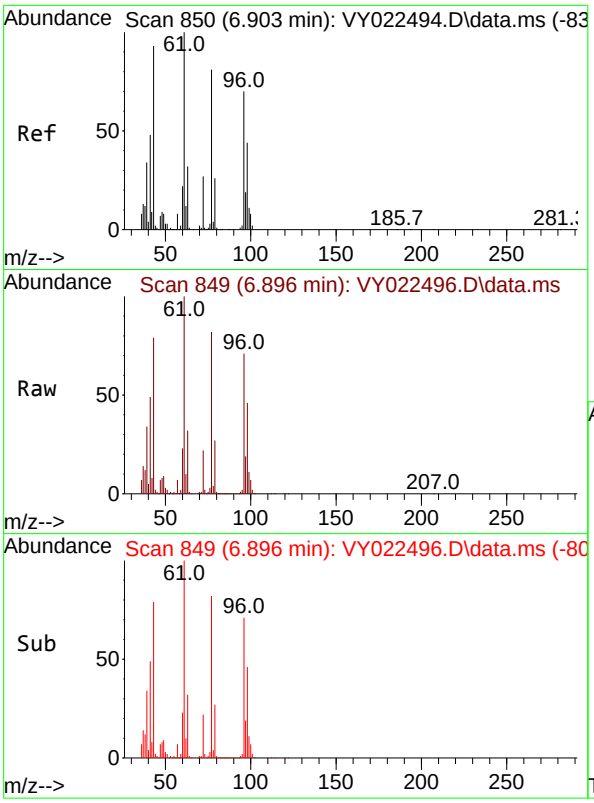


#24
1,1-Dichloroethane
Concen: 154.173 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 63 Resp: 730276

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.1
100	4.3	2.1	6.3





#25
2-Butanone
Concen: 742.386 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 43 Resp: 53069

Ion	Ratio	Lower	Upper
43	100		
72	28.2	22.9	34.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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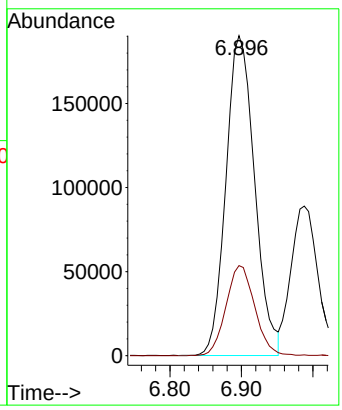
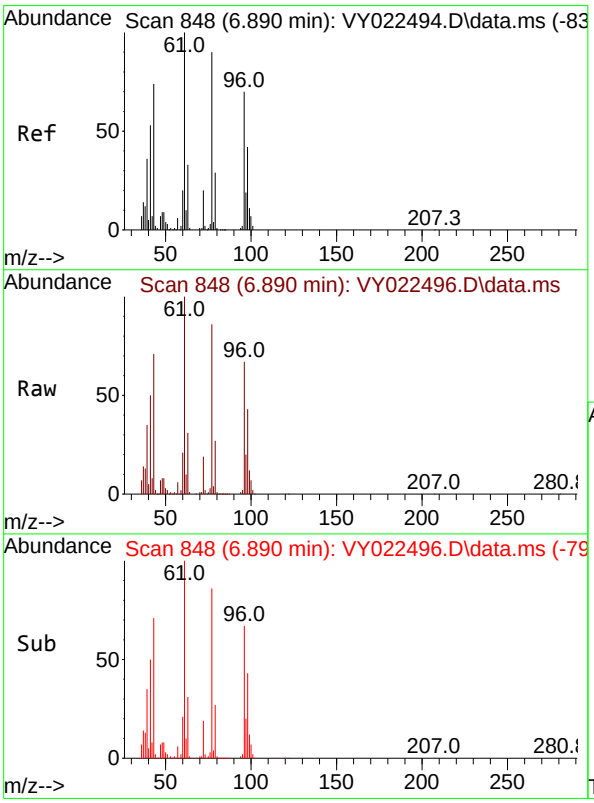
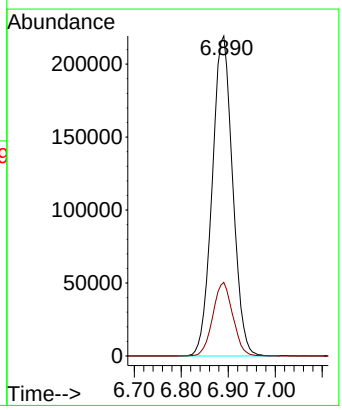


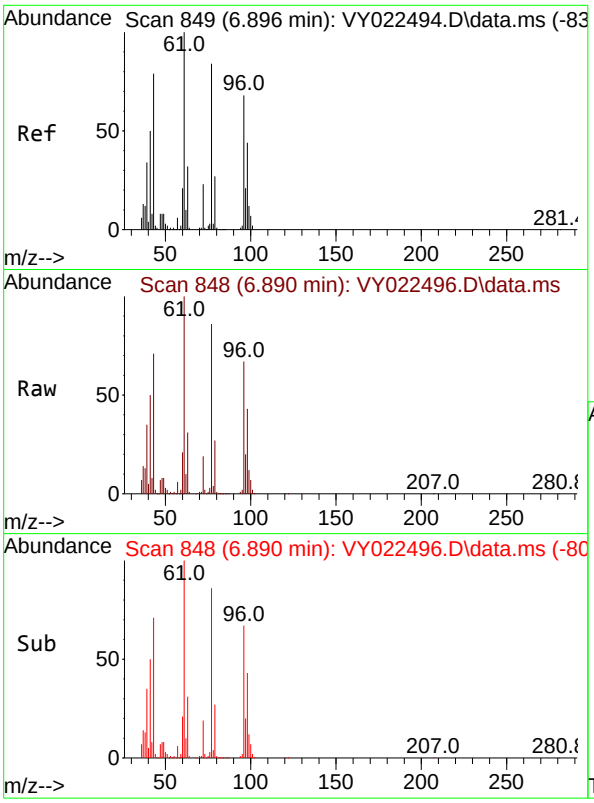


#26
2,2-Dichloropropane
Concen: 157.698 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 77 Resp: 664024

Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.4	34.2





#27
cis-1,2-Dichloroethene
Concen: 156.334 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 96 Resp: 46680

Ion	Ratio	Lower	Upper
96	100		
61	148.6	0.0	290.0
98	64.7	0.0	128.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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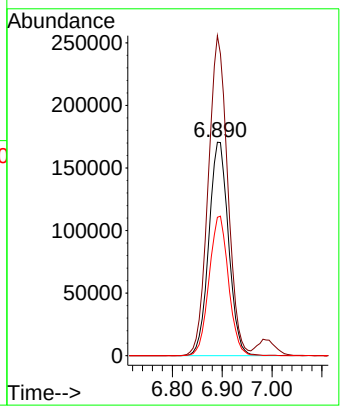
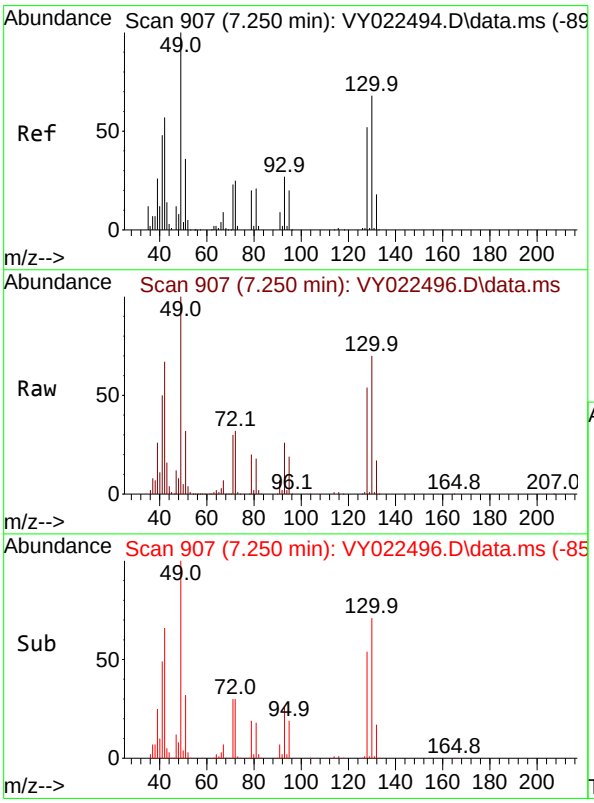
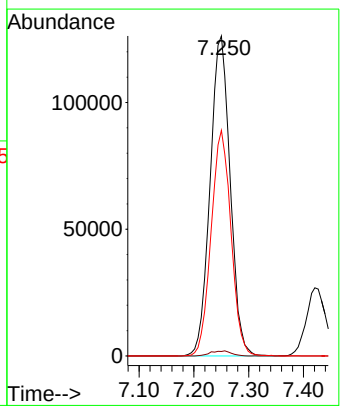


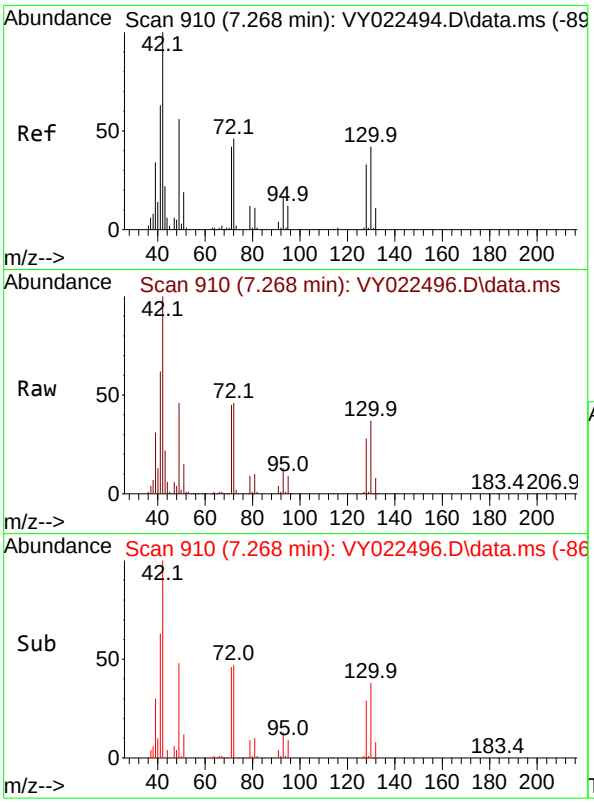


#28
Bromochloromethane
Concen: 156.605 ug/l
RT: 7.250 min Scan# 907
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 49 Resp: 320509

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	69.8	55.7	83.5

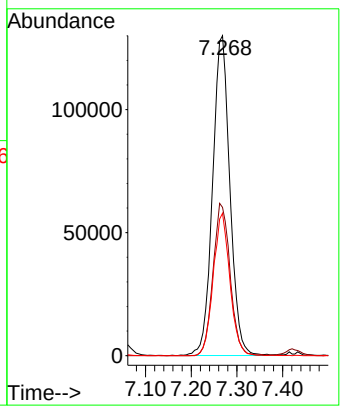




#29
Tetrahydrofuran
Concen: 742.566 ug/l
RT: 7.268 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 42 Resp: 34243

Ion	Ratio	Lower	Upper
42	100		
72	47.0	37.4	56.2
71	42.9	34.2	51.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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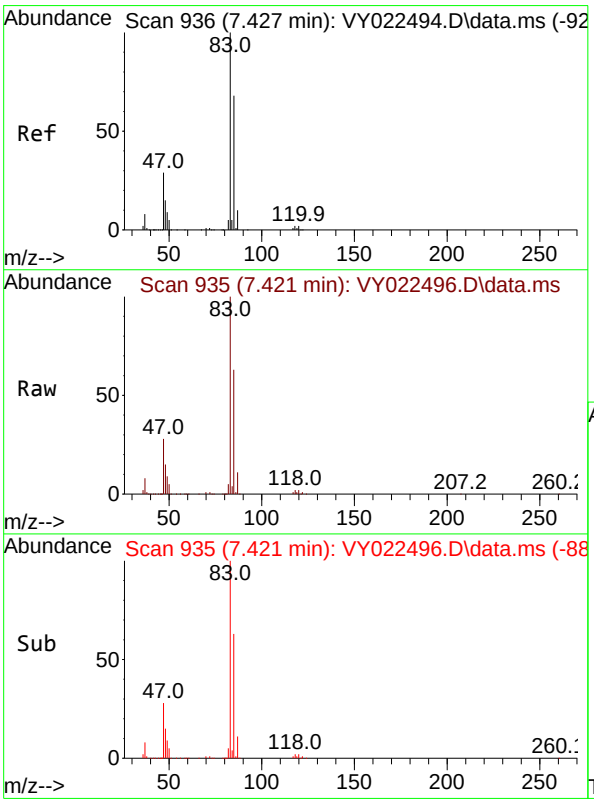
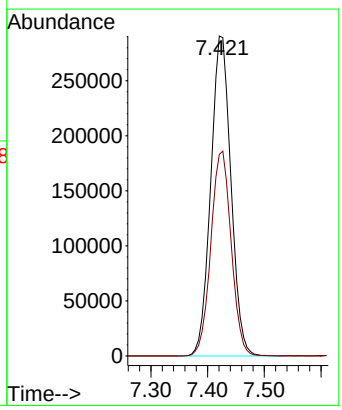
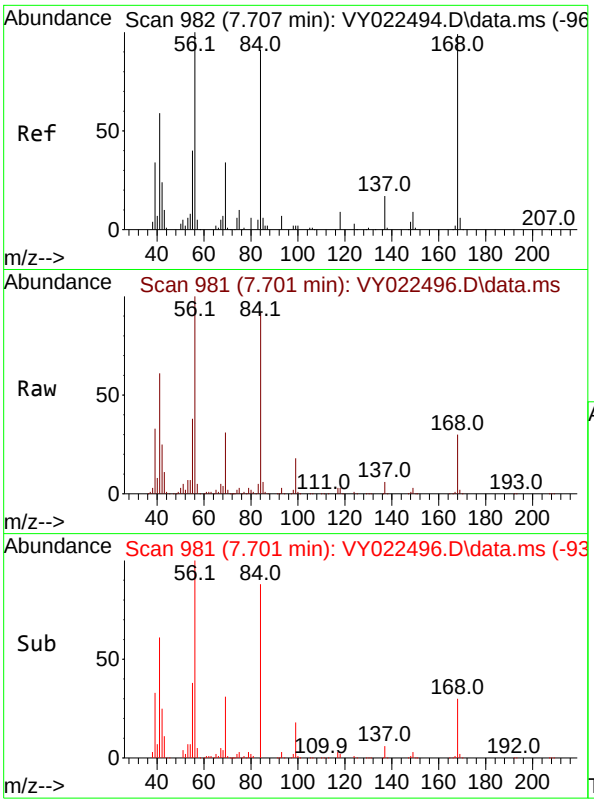


#30
Chloroform
Concen: 153.285 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 83 Resp: 717477

Ion	Ratio	Lower	Upper
83	100		
85	63.0	54.2	81.4





#31
Cyclohexane
Concen: 140.095 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 56 Resp: 66783

Ion	Ratio	Lower	Upper
56	100		
69	30.6	27.0	40.6
84	89.9	72.6	109.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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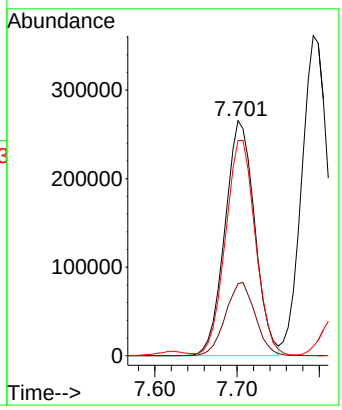
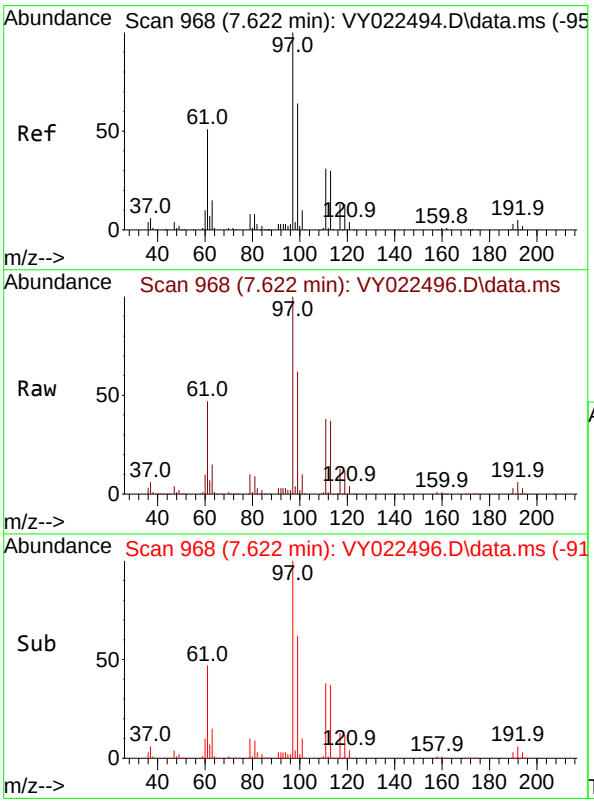
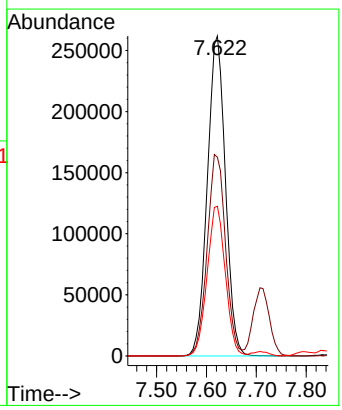


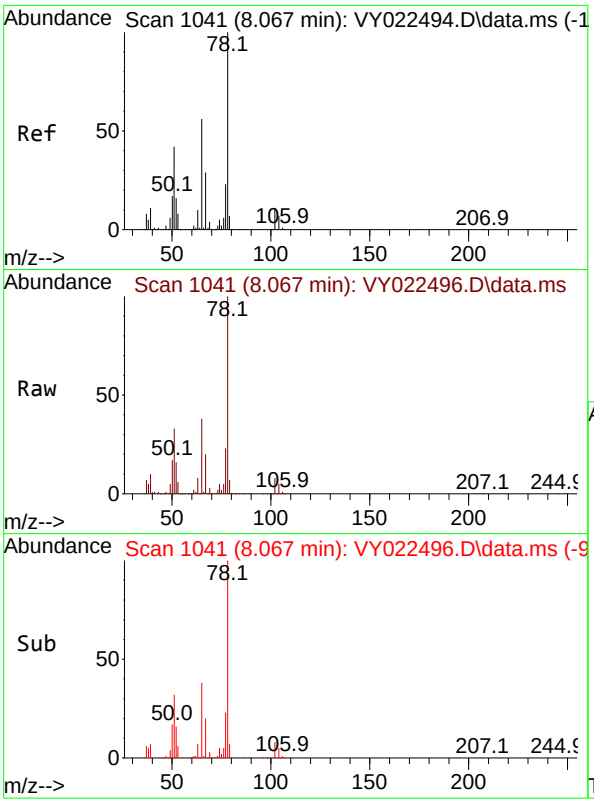


#32
1,1,1-Trichloroethane
Concen: 157.892 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 97 Resp: 660456

Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.9	76.3
61	47.2	38.5	57.7





#33
1,2-Dichloroethane-d4
Concen: 154.078 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 65 Resp: 37770

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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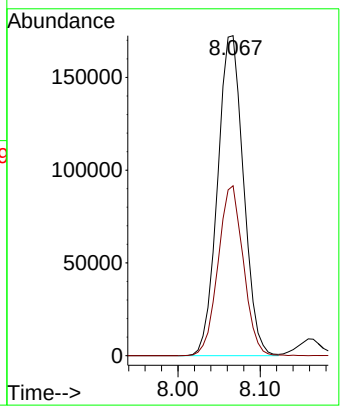
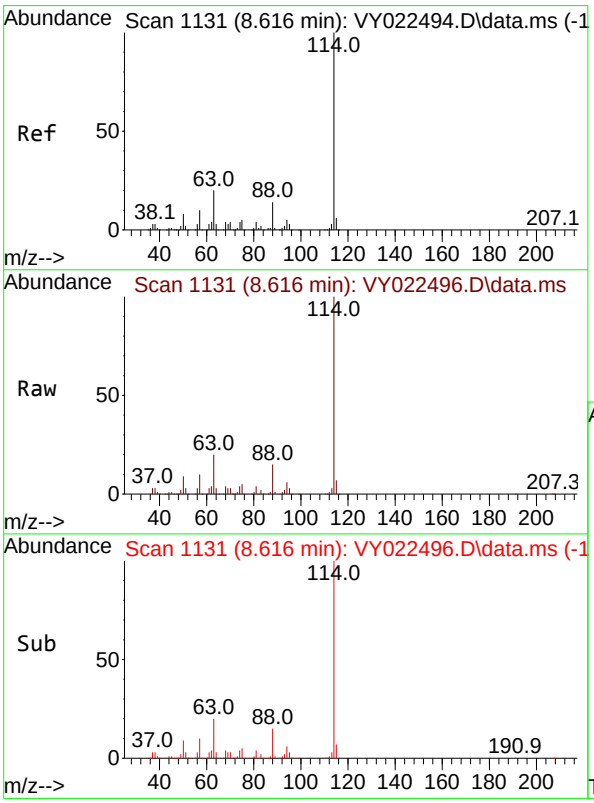
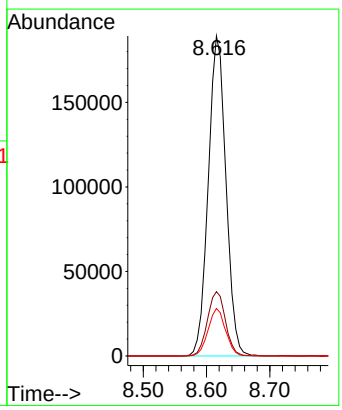


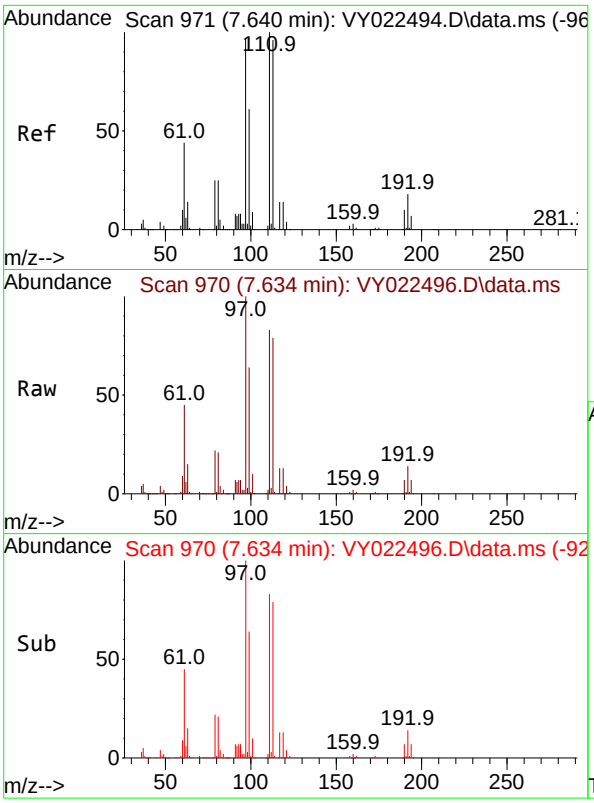


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:114 Resp: 367991

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.8
88	14.8	0.0	27.8





#35
Dibromofluoromethane
Concen: 160.661 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:113 Resp: 34803

Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.1	121.7
192	18.2	14.2	21.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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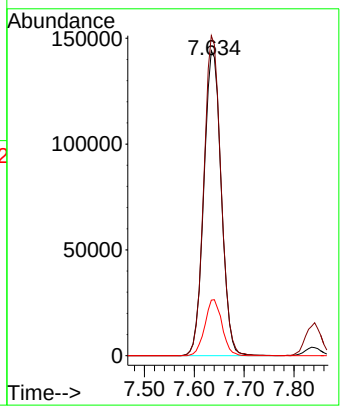
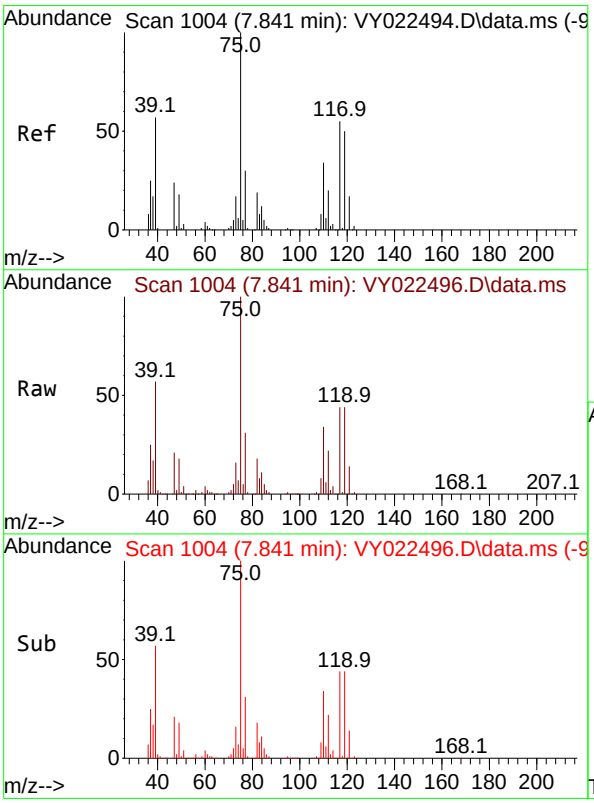
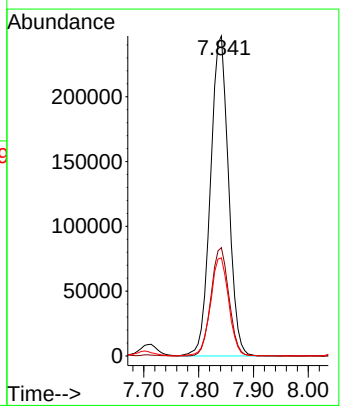


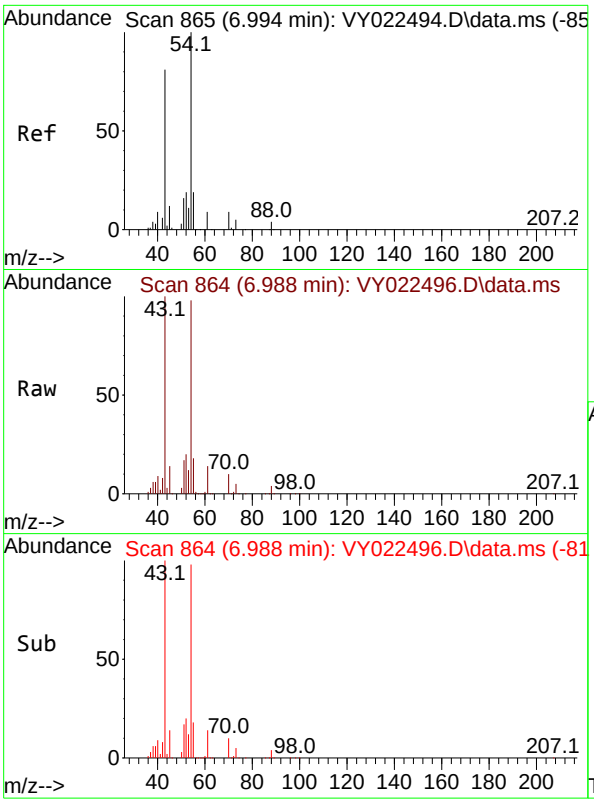


#36
1,1-Dichloropropene
Concen: 160.756 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 75 Resp: 562935

Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.9	50.7
77	31.1	24.8	37.2





#37
Ethyl Acetate
Concen: 155.059 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 43 Resp: 23896

Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.5	17.3
70	9.4	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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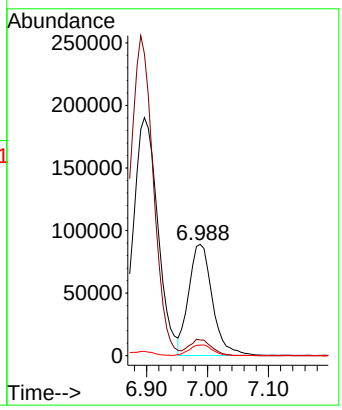
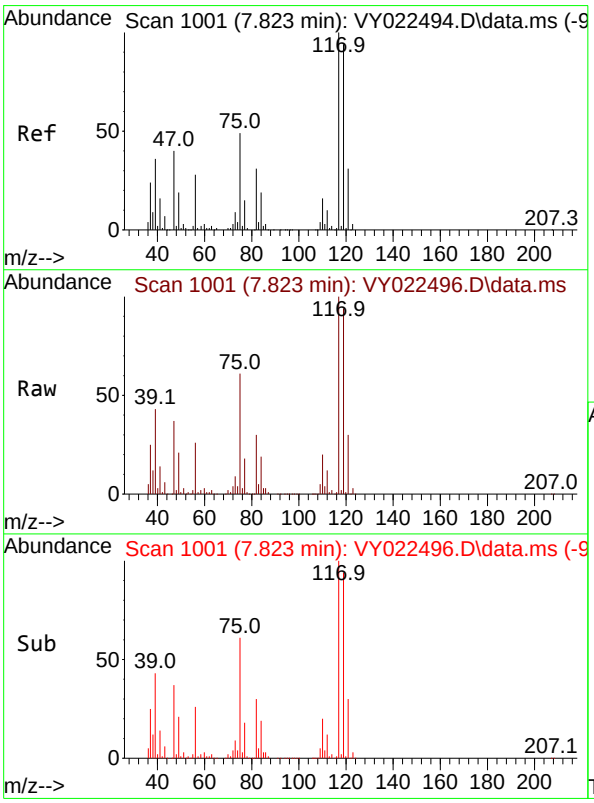
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

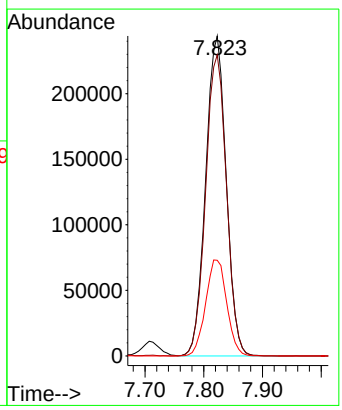


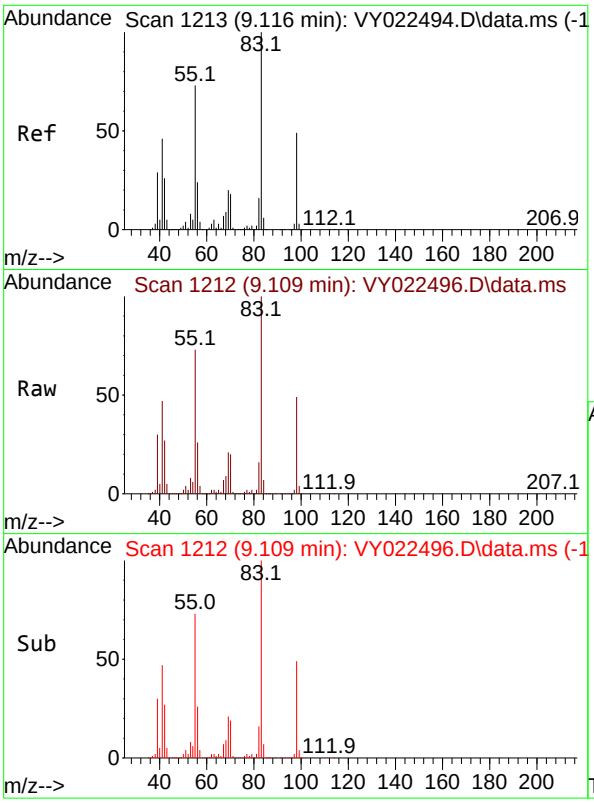


#38
Carbon Tetrachloride
Concen: 164.311 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:117 Resp: 593167

Ion	Ratio	Lower	Upper
117	100		
119	94.1	75.0	112.6
121	29.9	25.0	37.4





#39
Methylcyclohexane
Concen: 162.851 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 83 Resp: 77038

Ion	Ratio	Lower	Upper
83	100		
55	72.9	58.1	87.1
98	48.7	39.0	58.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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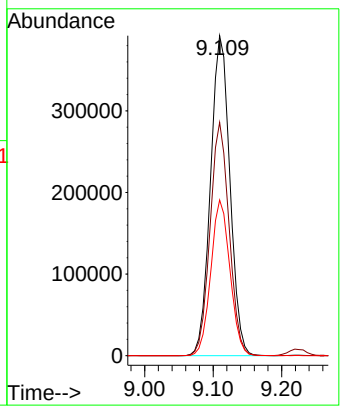
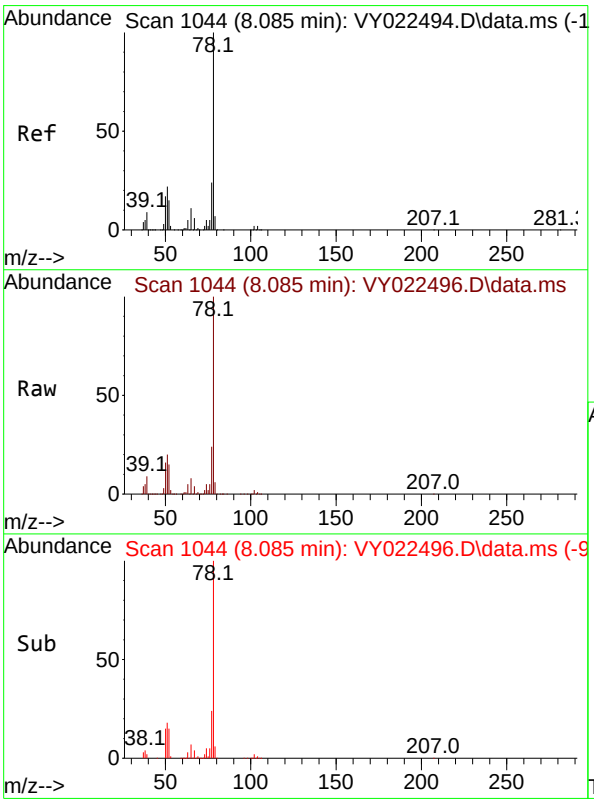
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

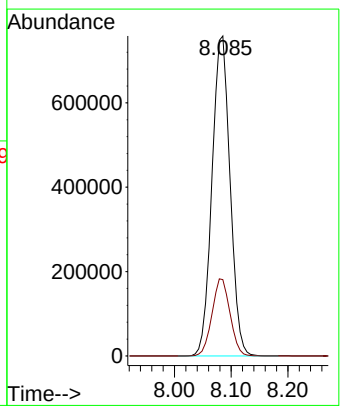


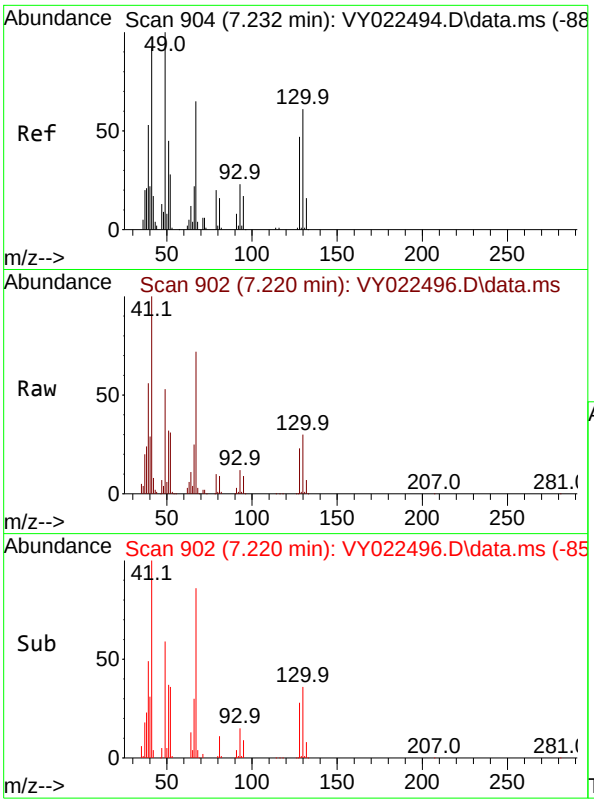


#40
Benzene
Concen: 162.332 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 78 Resp: 1675603

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.3	28.9

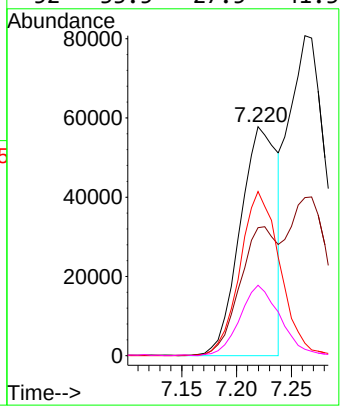




#41
Methacrylonitrile
Concen: 137.523 ug/l
RT: 7.220 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 41 Resp: 13649

Ion	Ratio	Lower	Upper
41	100		
39	56.5	46.6	69.8
67	77.5	63.3	94.9
52	33.5	27.5	41.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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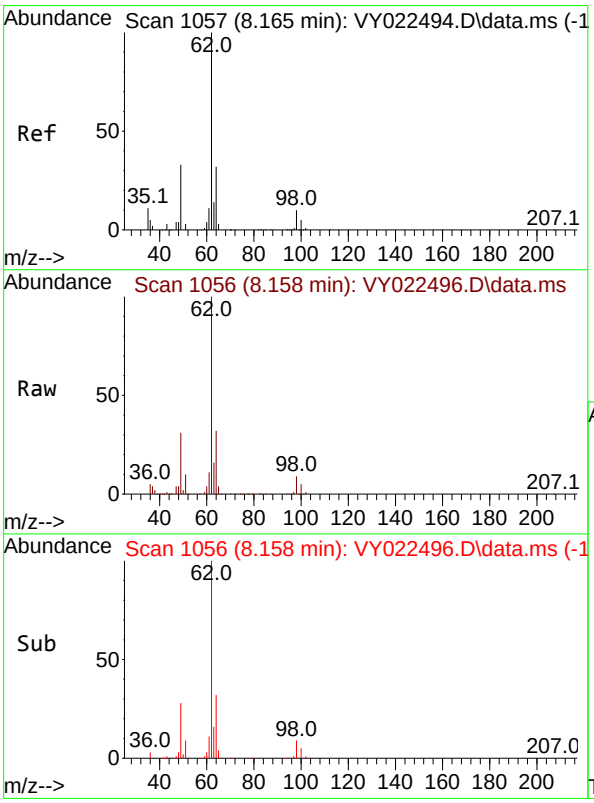
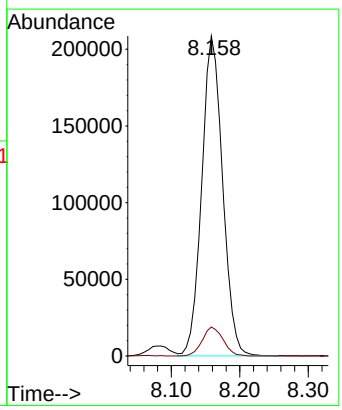
Supervised By :Mahesh Dadoda 06/03/2025

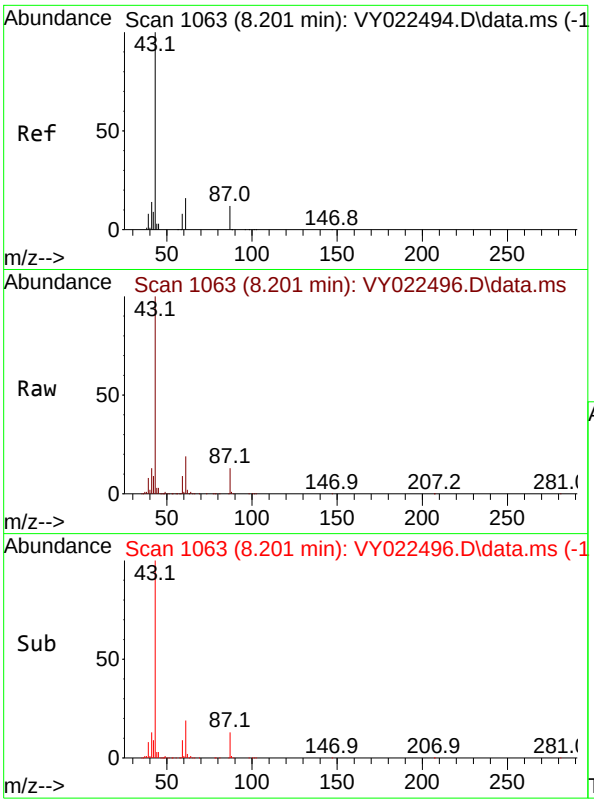


#42
1,2-Dichloroethane
Concen: 157.491 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 62 Resp: 442216

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	19.2





#43
Isopropyl Acetate
Concen: 155.250 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 43 Resp: 52284

Ion	Ratio	Lower	Upper
43	100		
61	18.5	15.6	23.4
87	13.1	10.2	15.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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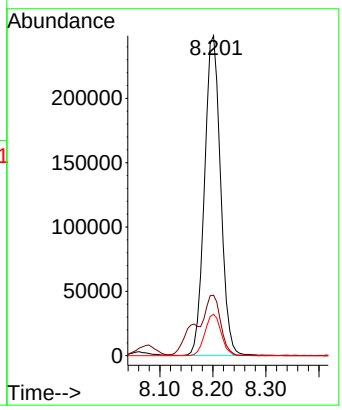
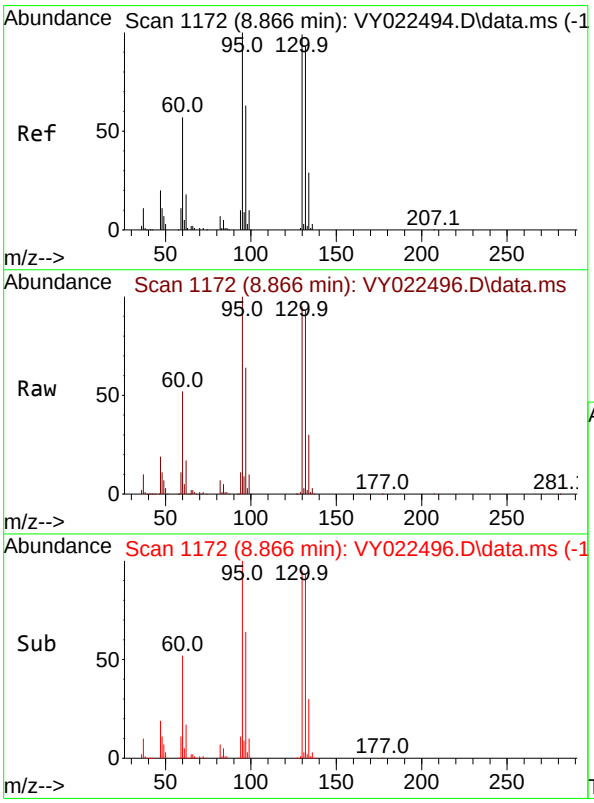
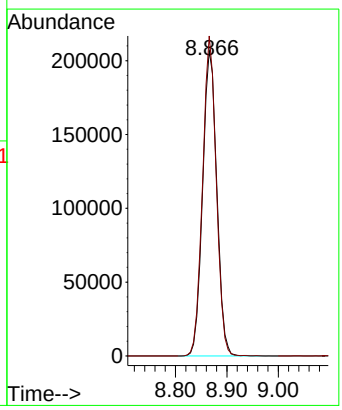


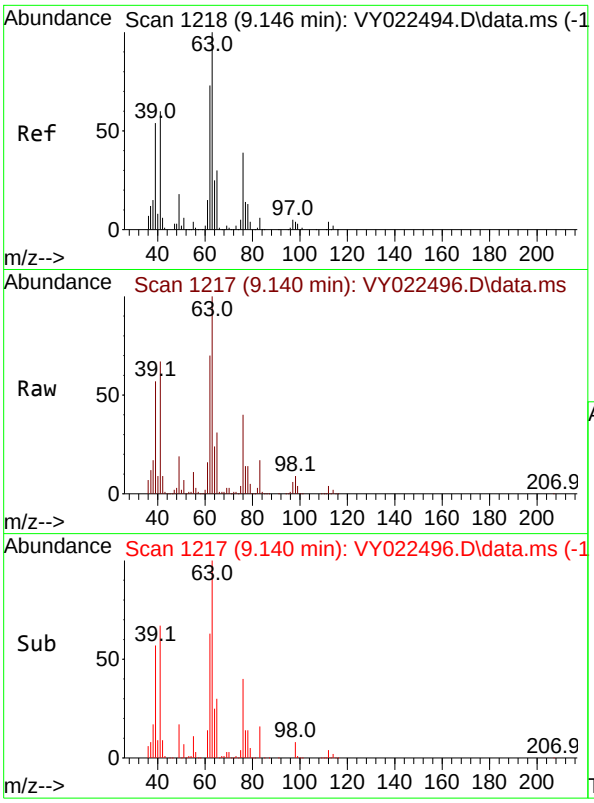


#44
Trichloroethene
Concen: 156.583 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:130 Resp: 394832

Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	203.0

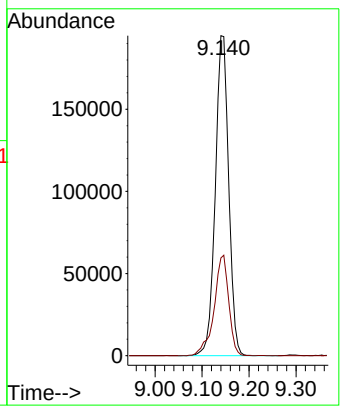




#45
1,2-Dichloropropane
Concen: 156.539 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 63 Resp: 38520

Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.0	36.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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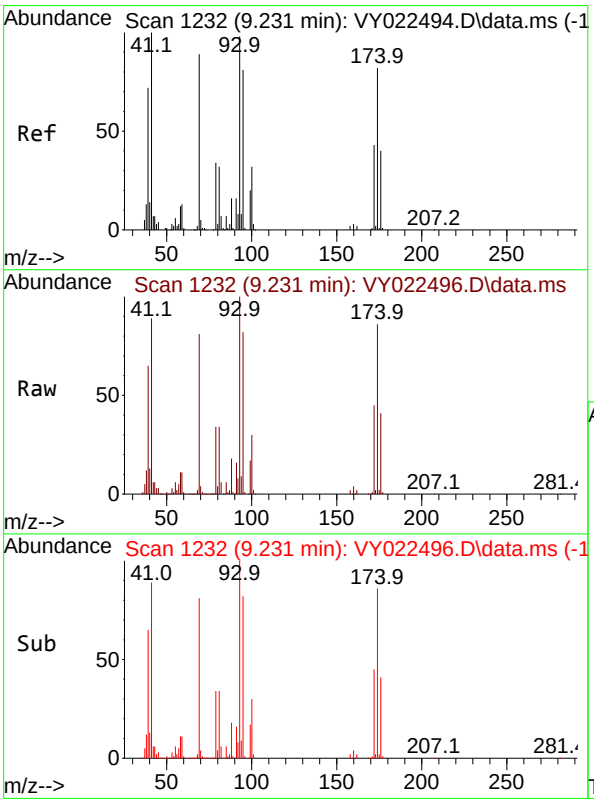
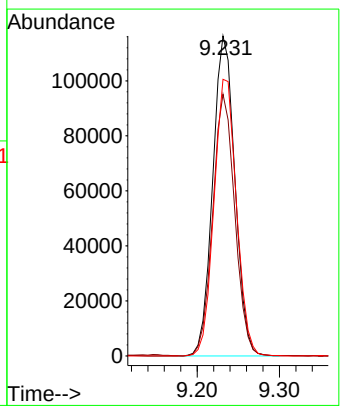
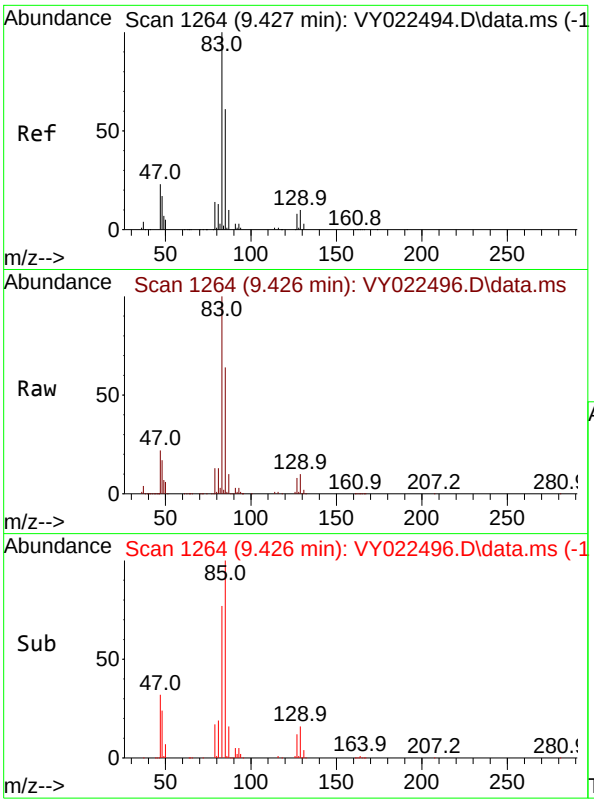


#46
Dibromomethane
Concen: 158.140 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 93 Resp: 218014

Ion	Ratio	Lower	Upper
93	100		
95	81.6	65.6	98.4
174	87.8	70.4	105.6

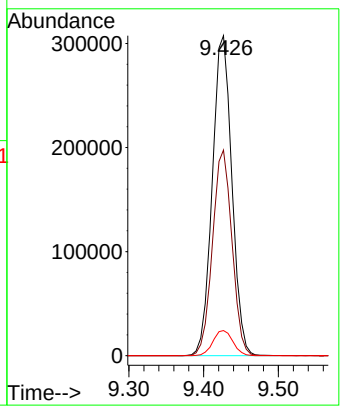




#47
Bromodichloromethane
Concen: 160.221 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 83 Resp: 56042

Ion	Ratio	Lower	Upper
83	100		
85	64.3	49.1	73.7
127	7.9	6.2	9.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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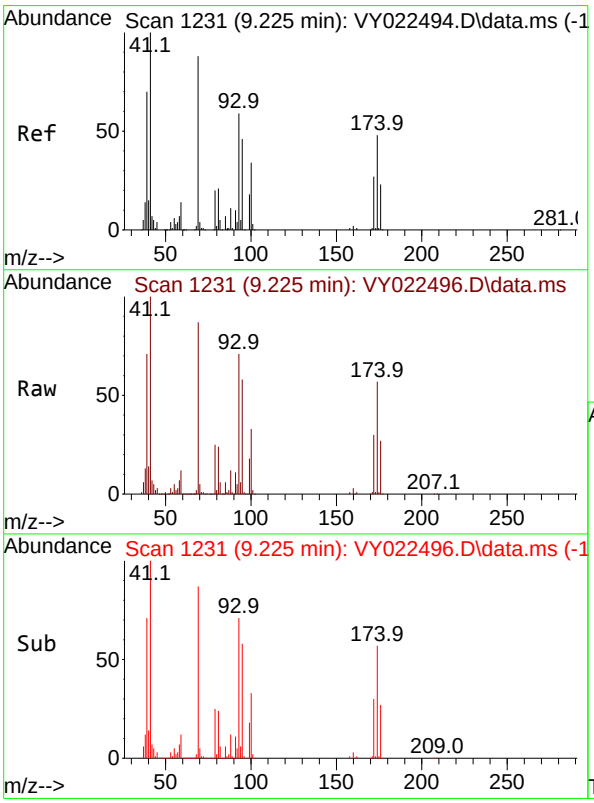
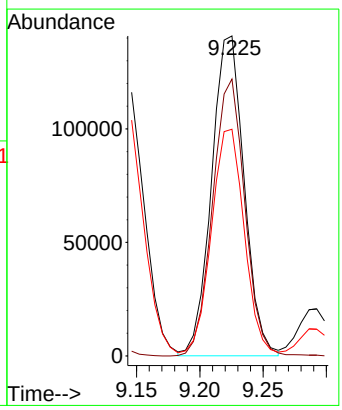
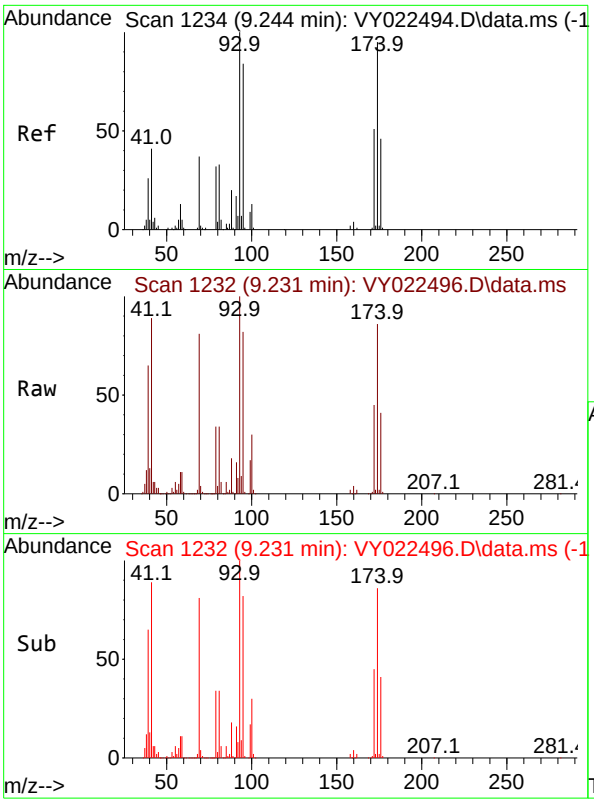


#48
Methyl methacrylate
Concen: 163.897 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 41 Resp: 252724

Ion	Ratio	Lower	Upper
41	100		
69	85.6	67.8	101.8
39	69.7	55.0	82.4

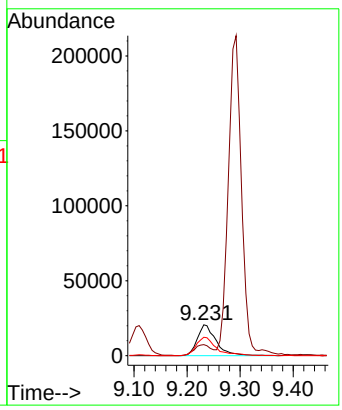




#49
1,4-Dioxane
Concen: 3093.301 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 88 Resp: 5087

Ion	Ratio	Lower	Upper
88	100		
43	33.3	25.4	38.2
58	64.1	54.9	82.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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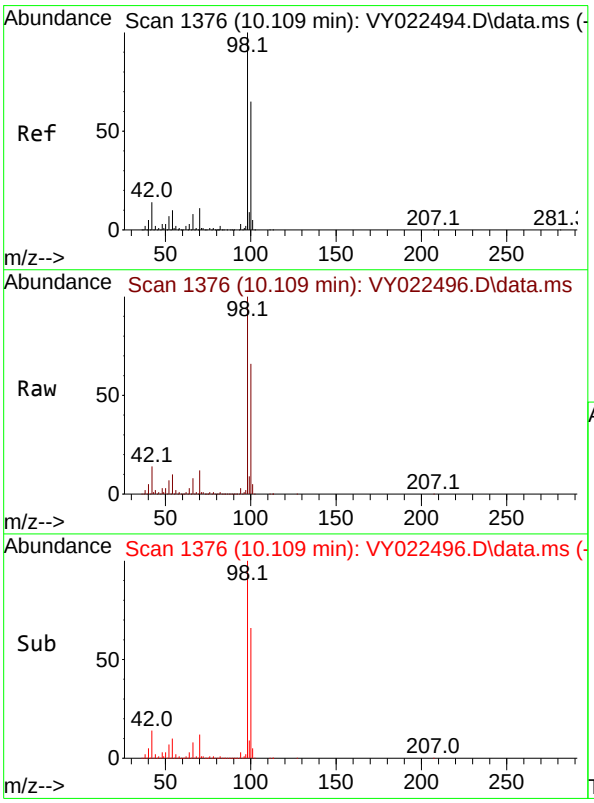
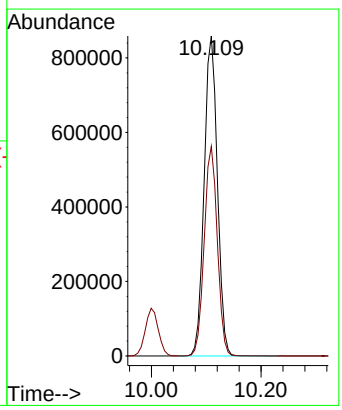
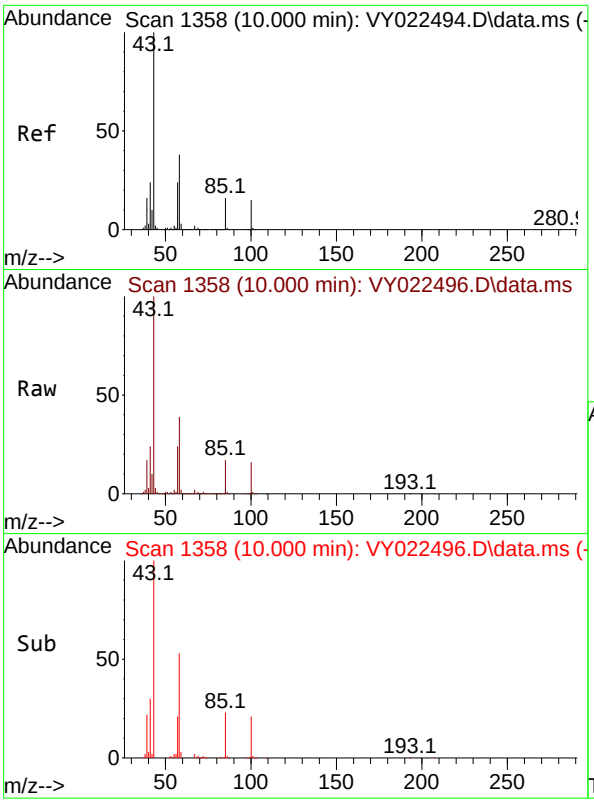


#50
Toluene-d8
Concen: 163.617 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 98 Resp: 1432587

Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.4	77.0

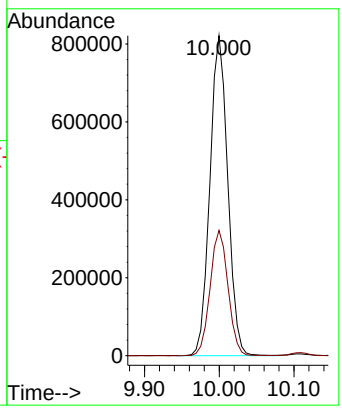




#51
4-Methyl-2-Pentanone
Concen: 812.744 ug/l
RT: 10.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 43 Resp: 135851

Ion	Ratio	Lower	Upper
43	100		
58	39.3	30.4	45.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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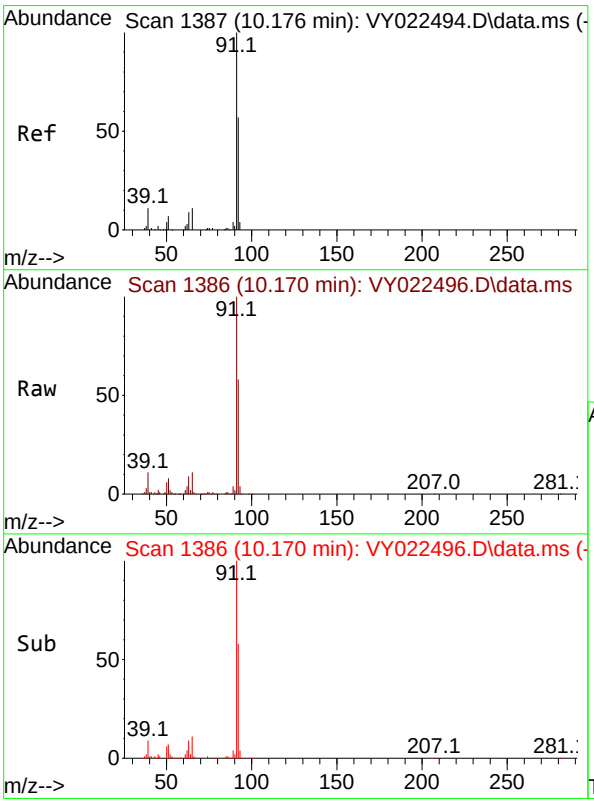
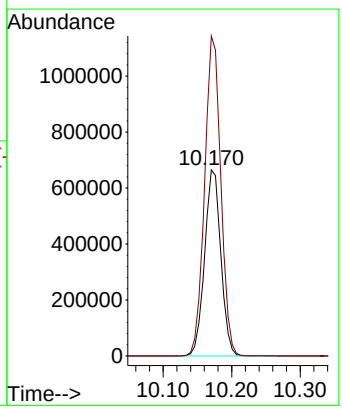
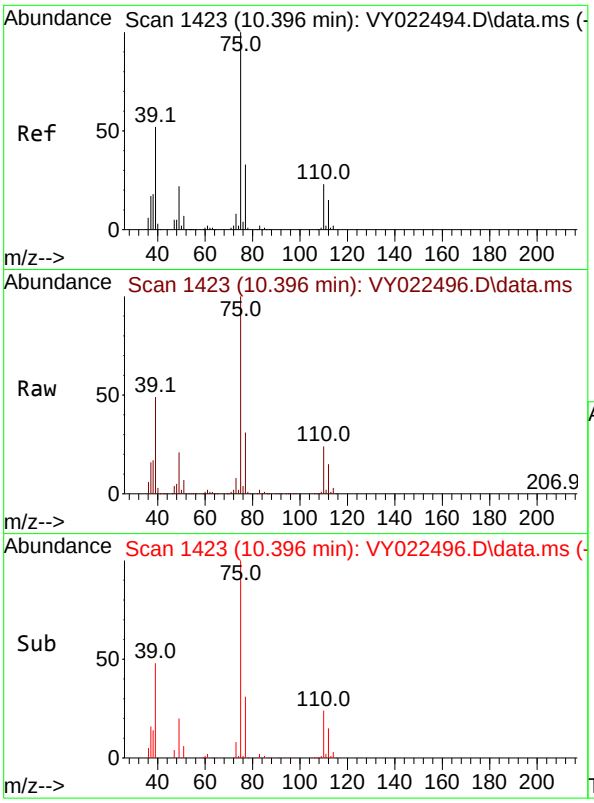


#52
Toluene
Concen: 168.447 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 92 Resp: 1093200

Ion	Ratio	Lower	Upper
92	100		
91	172.1	139.0	208.4

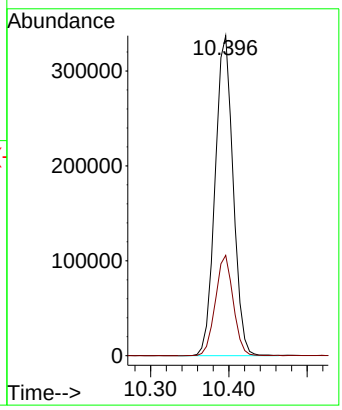




#53
t-1,3-Dichloropropene
Concen: 166.237 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 75 Resp: 53792

Ion	Ratio	Lower	Upper
75	100		
77	31.3	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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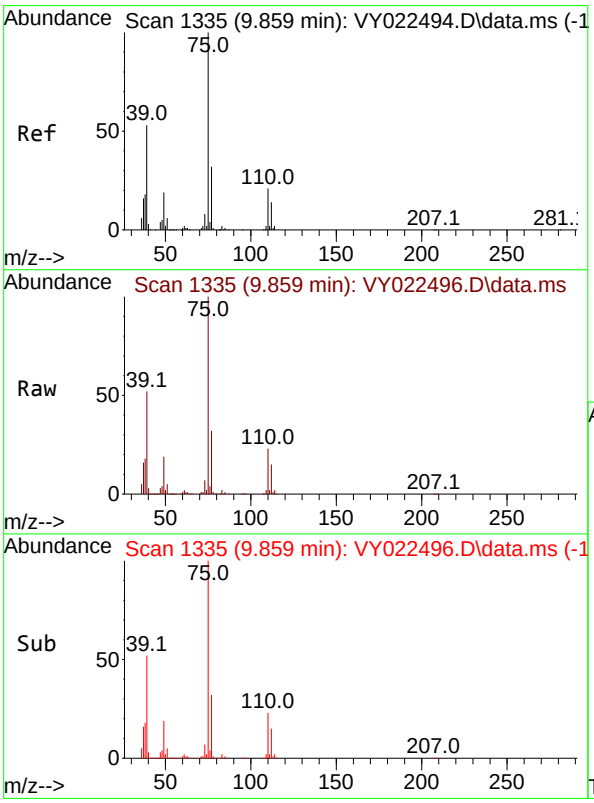
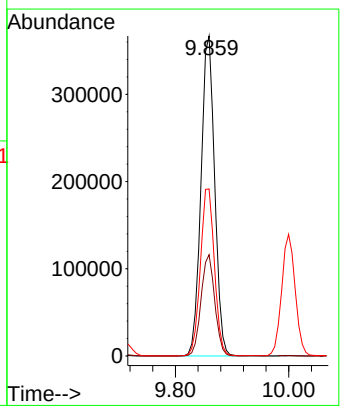
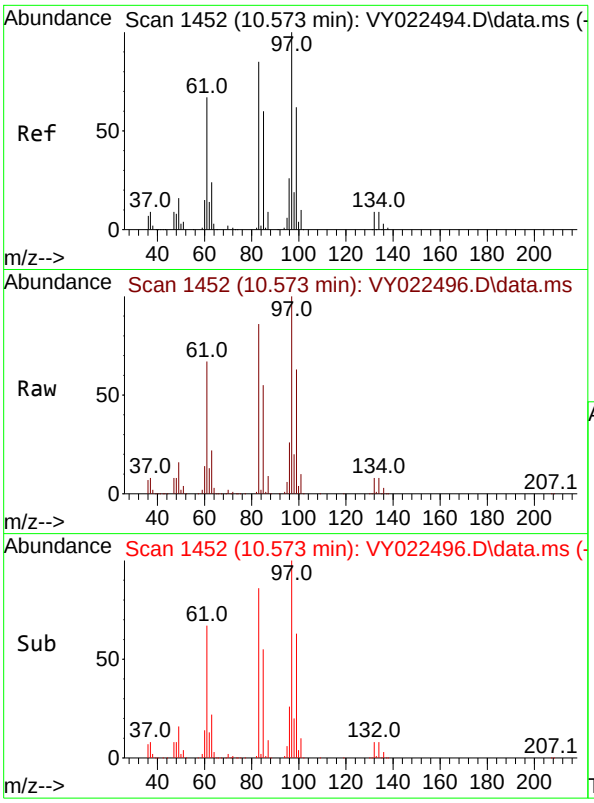


#54
cis-1,3-Dichloropropene
Concen: 162.259 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 75 Resp: 615667

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9
39	52.2	42.7	64.1

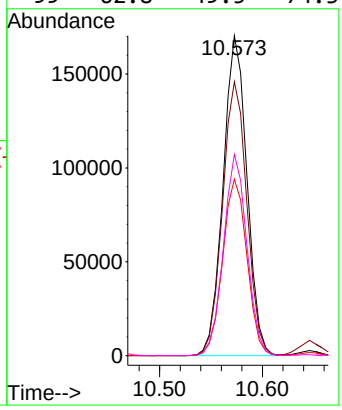




#55
1,1,2-Trichloroethane
Concen: 158.086 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 97 Resp: 27446

Ion	Ratio	Lower	Upper
97	100		
83	85.6	68.1	102.1
85	55.1	48.2	72.2
99	62.8	49.5	74.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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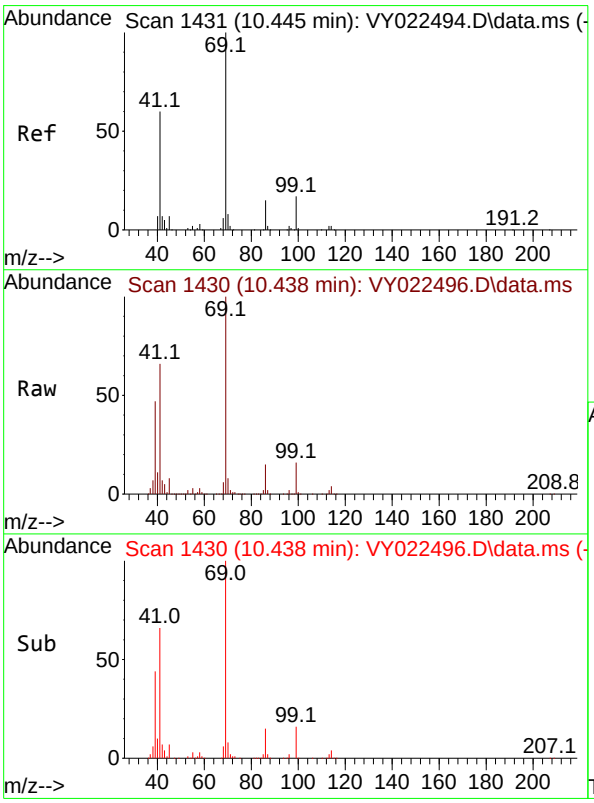
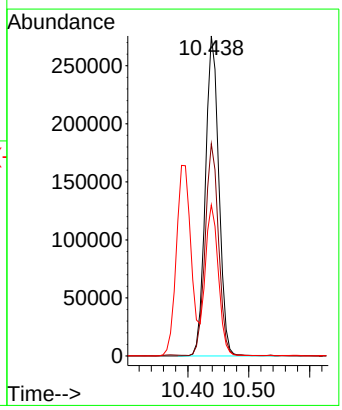
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

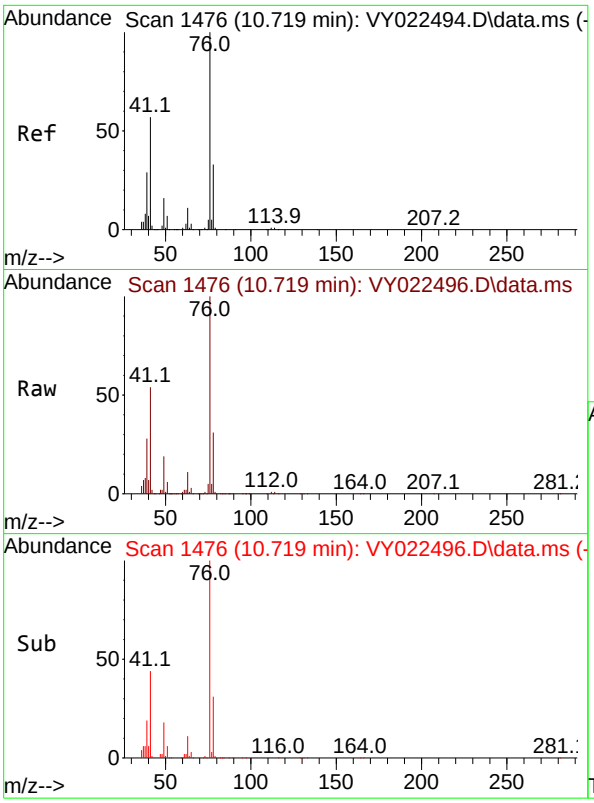


#56
Ethyl methacrylate
Concen: 167.865 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 69 Resp: 423233

Ion	Ratio	Lower	Upper
69	100		
41	66.0	52.2	78.2
39	44.7	36.7	55.1

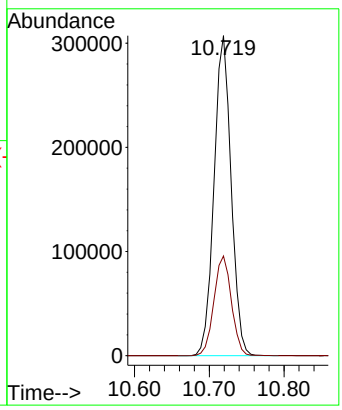




#57
1,3-Dichloropropane
Concen: 158.010 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 76 Resp: 48857

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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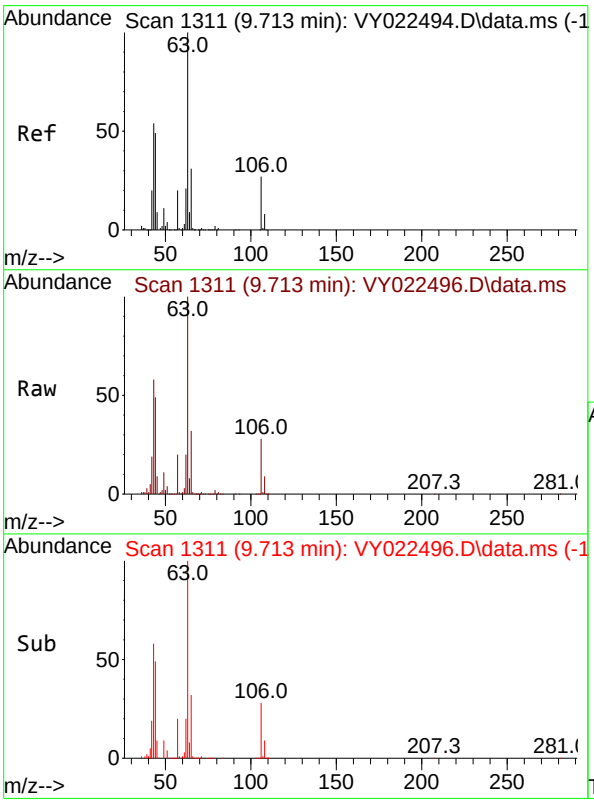
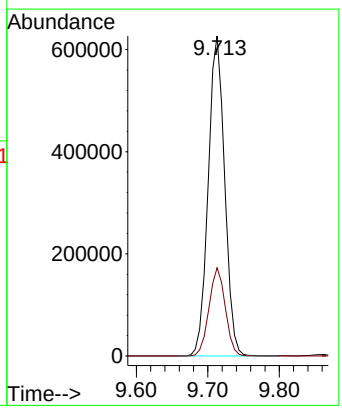
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

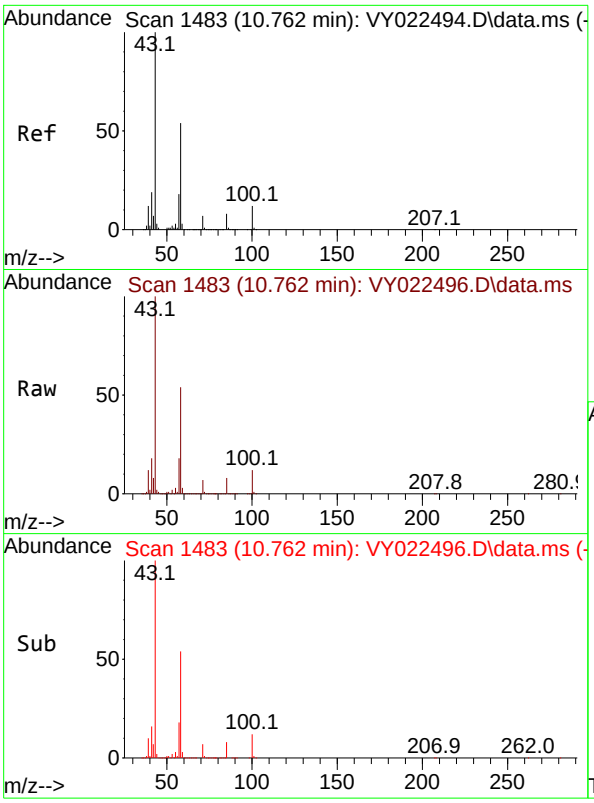


#58
2-Chloroethyl Vinyl ether
Concen: 890.345 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 63 Resp: 1000760

Ion	Ratio	Lower	Upper
63	100		
106	27.2	21.6	32.4





#59
2-Hexanone
Concen: 804.699 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 43 Resp: 89662

Ion	Ratio	Lower	Upper
43	100		
58	54.6	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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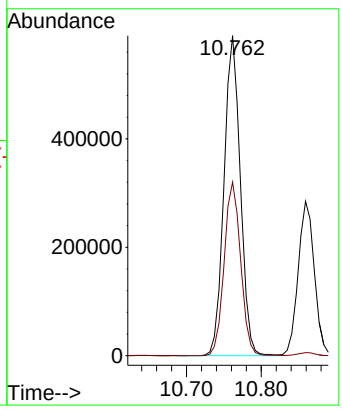
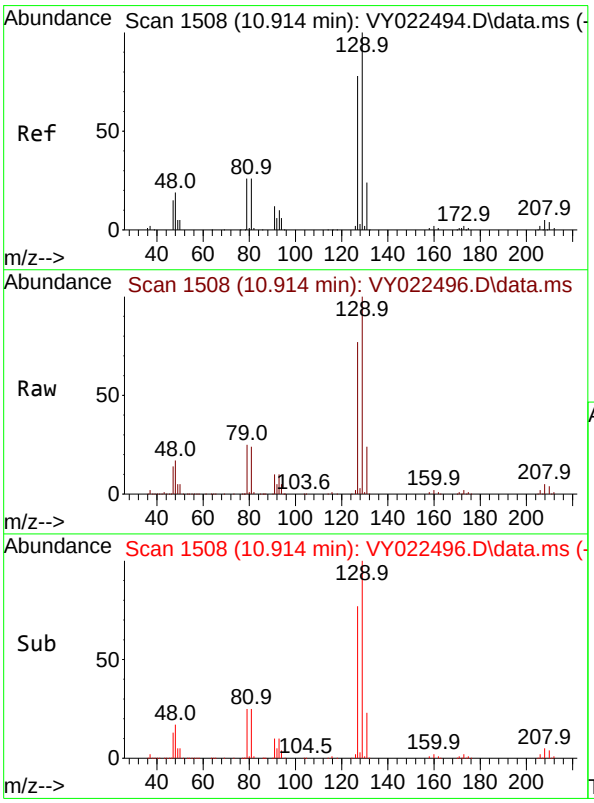
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

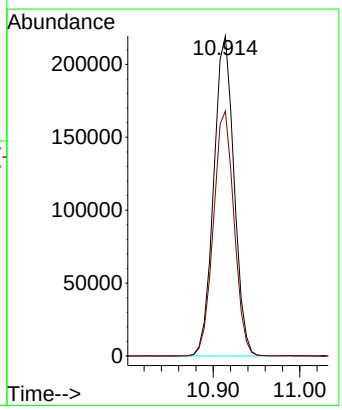


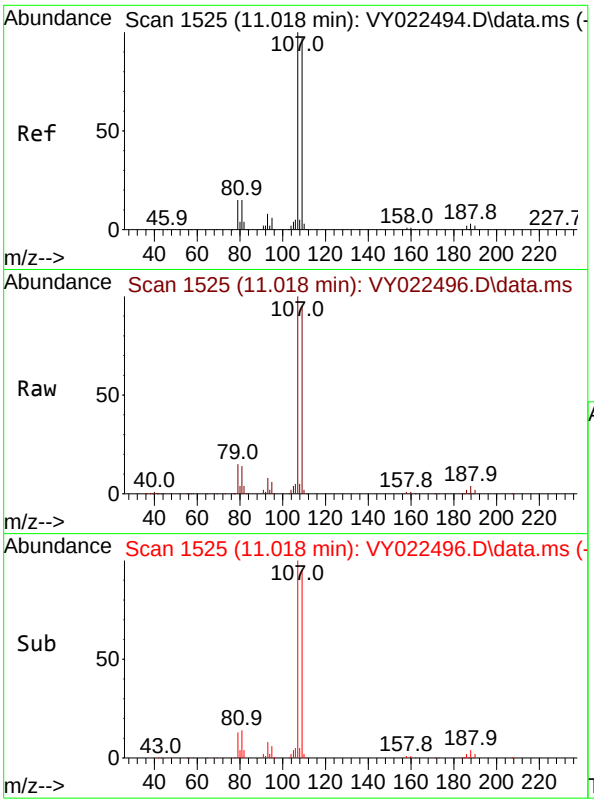


#60
Dibromochloromethane
Concen: 162.227 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:129 Resp: 356873

Ion	Ratio	Lower	Upper
129	100		
127	77.8	39.1	117.2

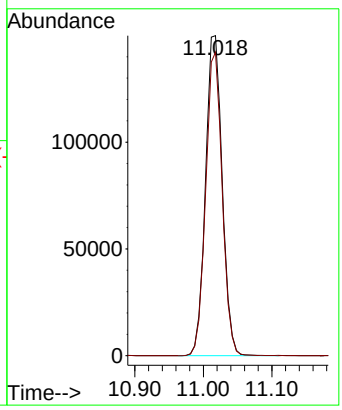




#61
1,2-Dibromoethane
Concen: 158.625 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:107 Resp: 25412

Ion	Ratio	Lower	Upper
107	100		
109	93.4	77.7	116.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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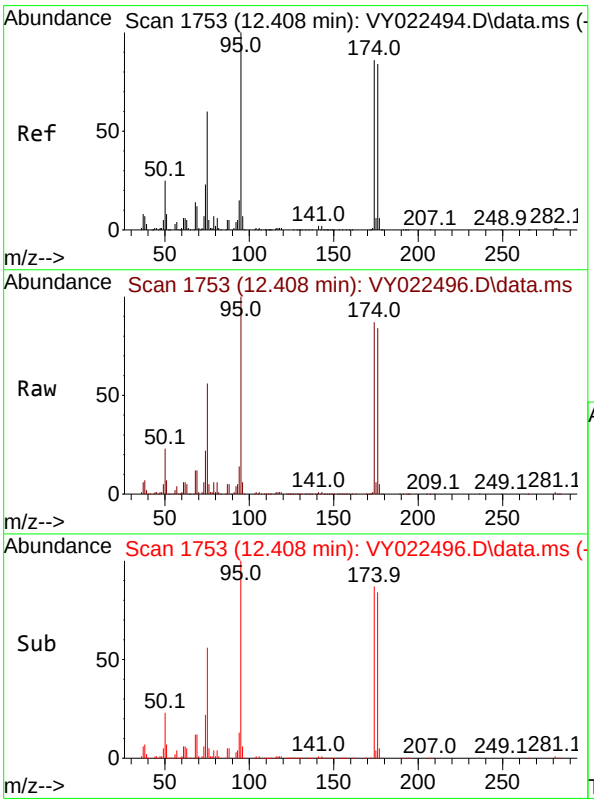
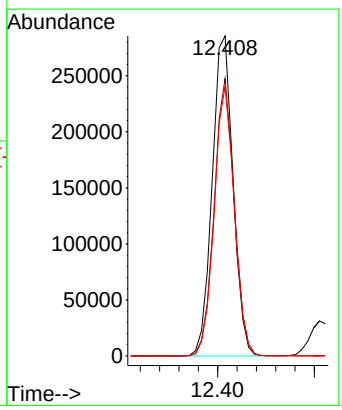
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

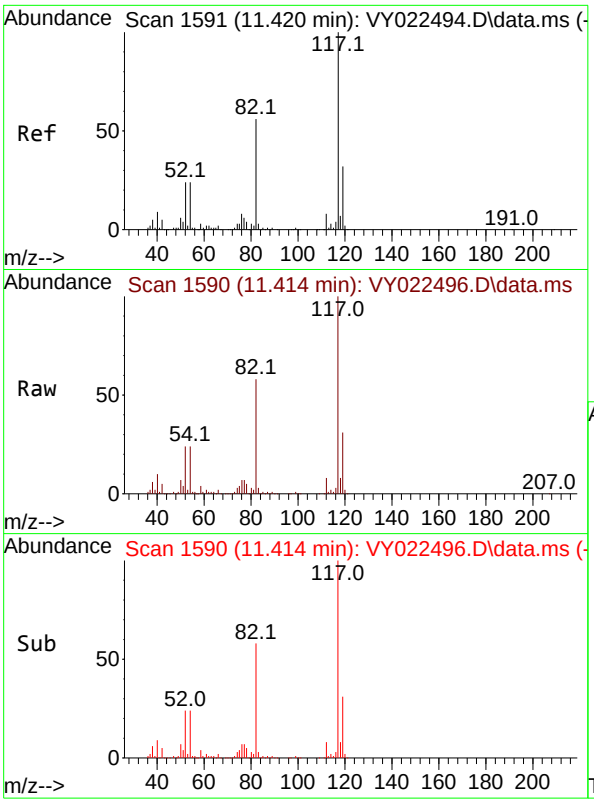


#62
4-Bromofluorobenzene
Concen: 160.684 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 95 Resp: 426573

Ion	Ratio	Lower	Upper
95	100		
174	83.8	0.0	170.0
176	81.1	0.0	166.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:117 Resp: 31395

Ion	Ratio	Lower	Upper
117	100		
82	57.8	44.6	66.8
119	31.2	25.4	38.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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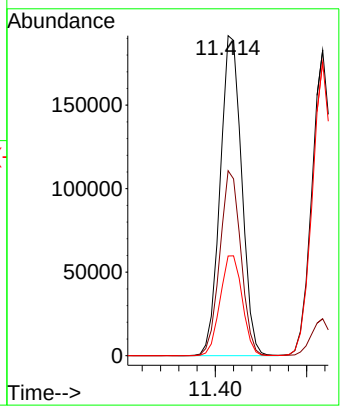
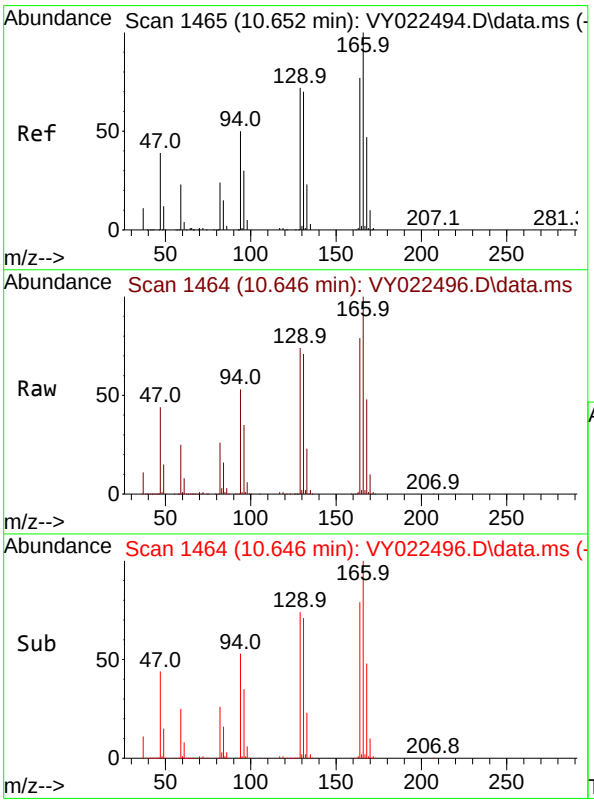
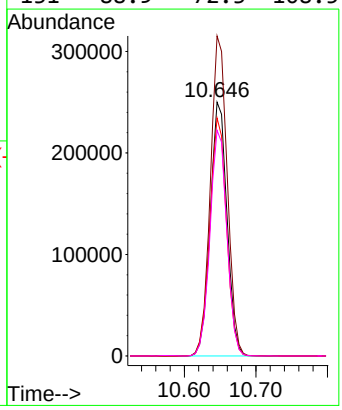


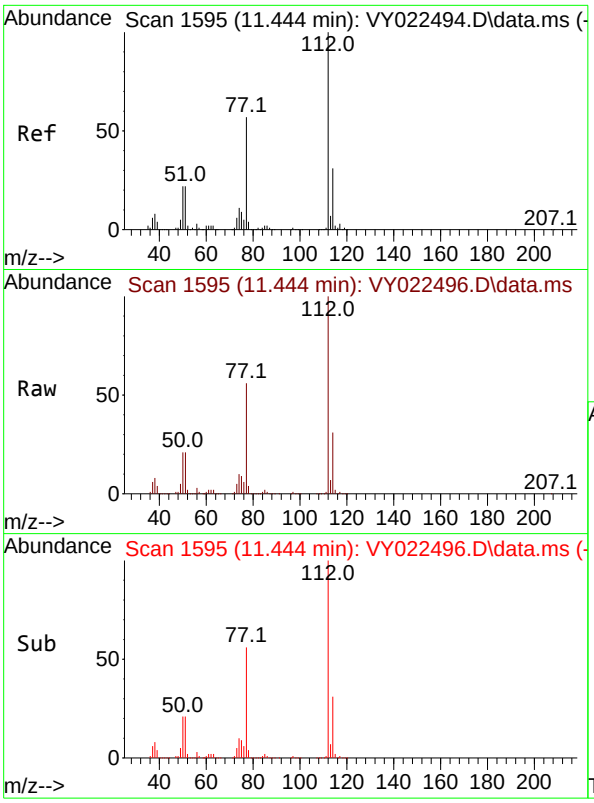


#64
Tetrachloroethene
Concen: 152.453 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:164 Resp: 406758

Ion	Ratio	Lower	Upper
164	100		
166	126.1	104.0	156.0
129	93.8	74.5	111.7
131	88.9	72.3	108.5

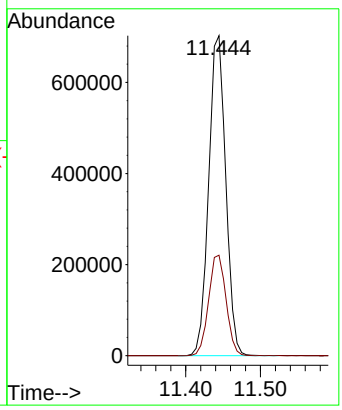




#65
Chlorobenzene
Concen: 163.544 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:112 Resp: 111334

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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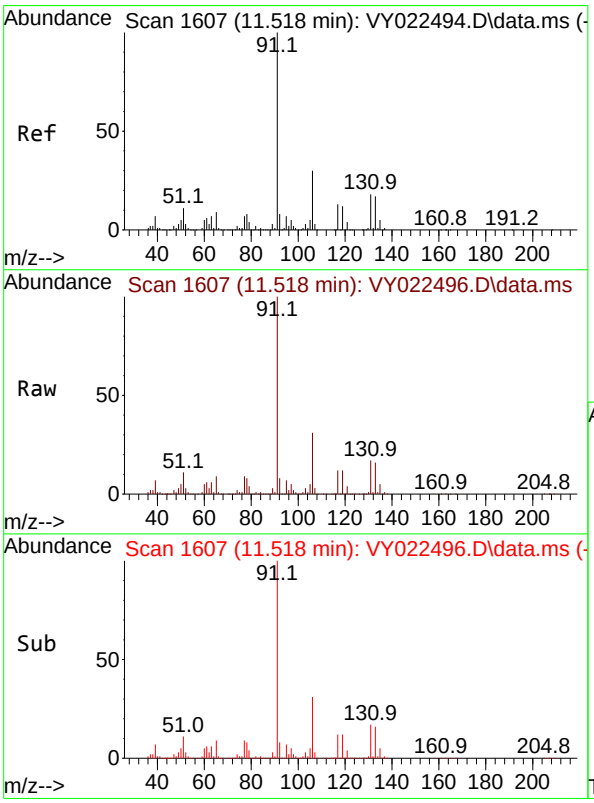
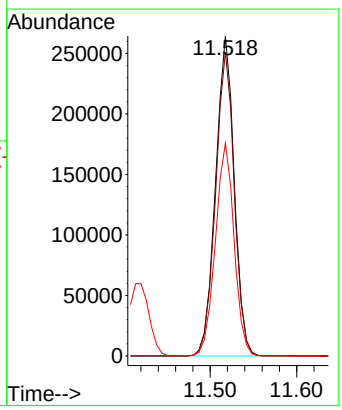
Supervised By :Mahesh Dadoda 06/03/2025

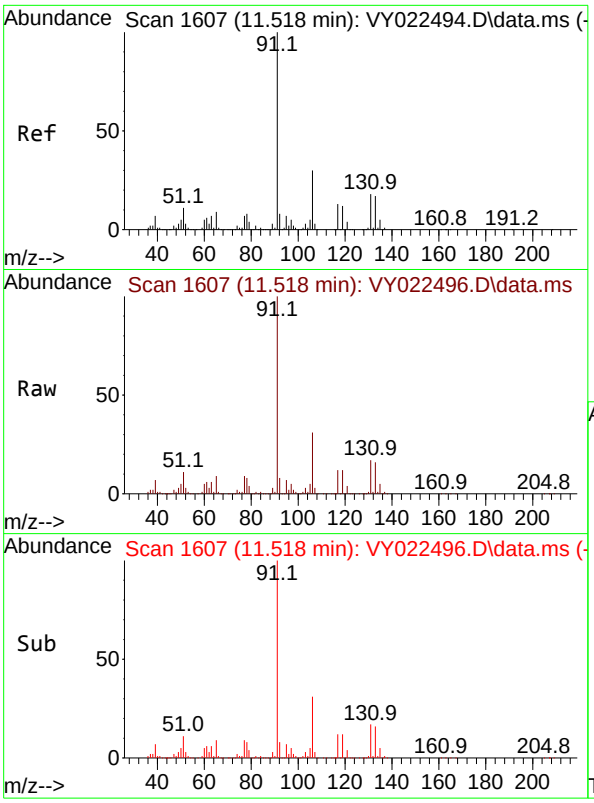


#66
1,1,1,2-Tetrachloroethane
Concen: 171.190 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:131 Resp: 395046

Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.3	141.8
119	66.8	33.1	99.3





#67
Ethyl Benzene
Concen: 173.285 ug/l
RT: 11.518 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 91 Resp: 219681

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.2	36.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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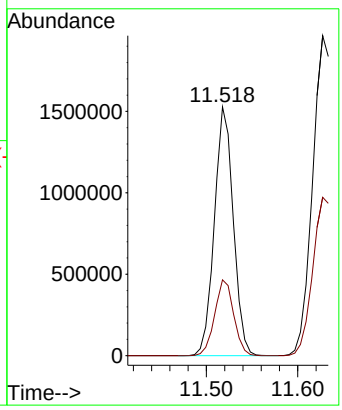
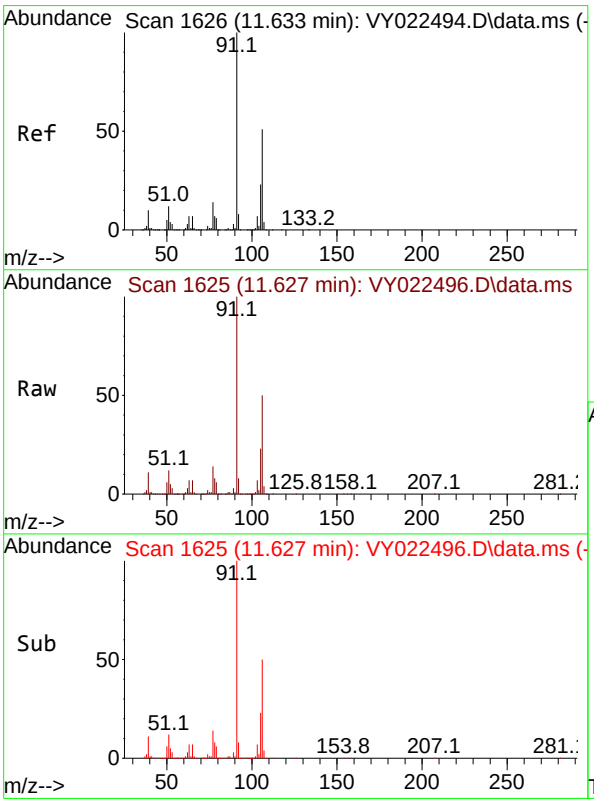
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

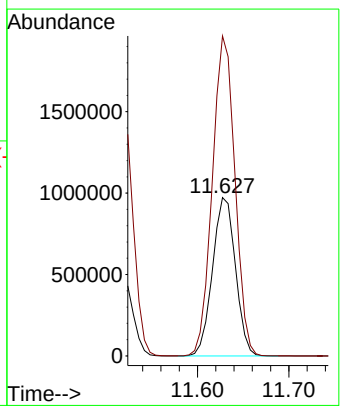


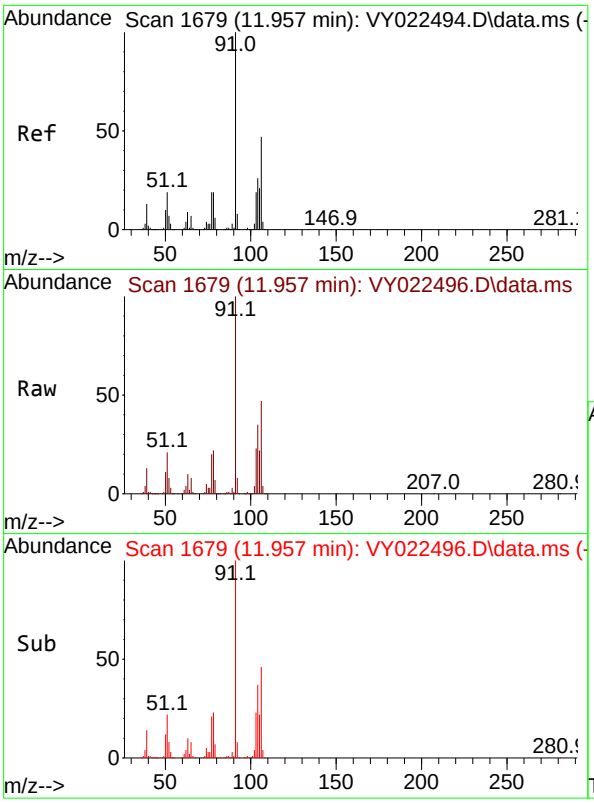


#68
m/p-Xylenes
Concen: 353.103 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:106 Resp: 1694177

Ion	Ratio	Lower	Upper
106	100		
91	199.2	159.4	239.0





#69
o-Xylene
Concen: 173.188 ug/l
RT: 11.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:106 Resp: 77768

Ion	Ratio	Lower	Upper
106	100		
91	212.3	105.8	317.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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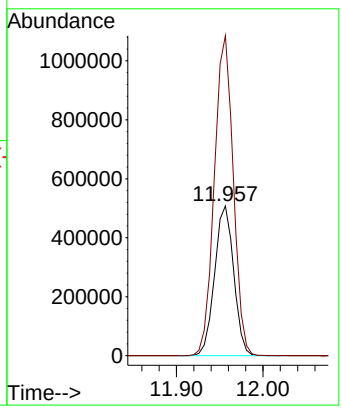
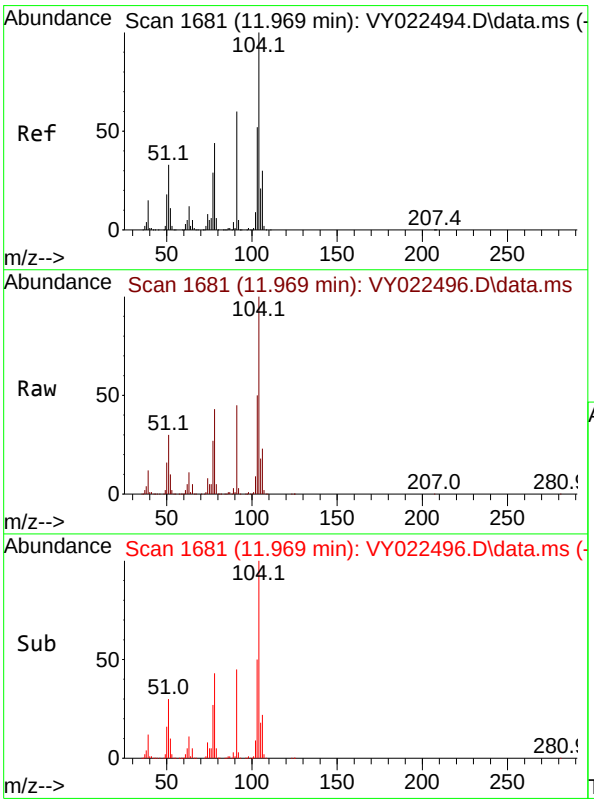
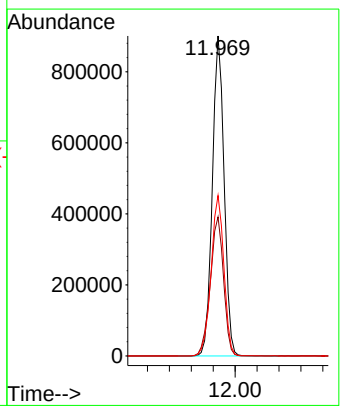


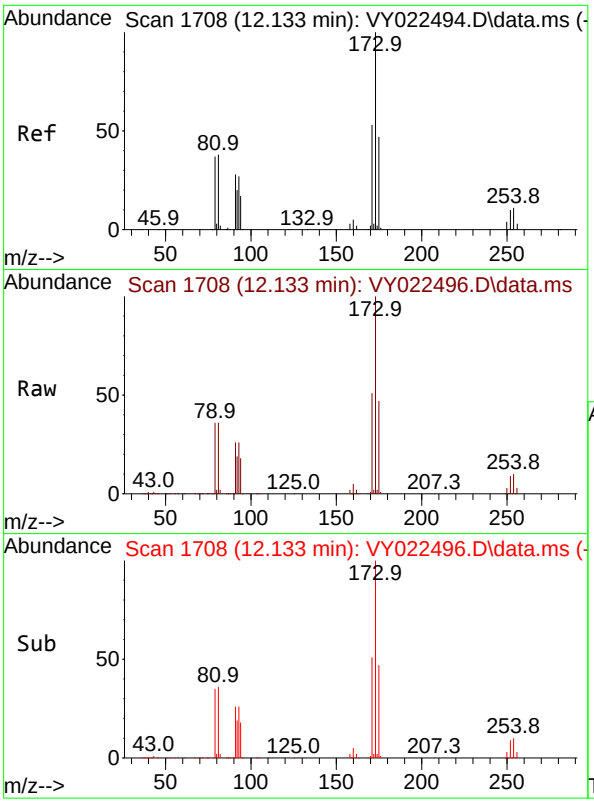


#70
Styrene
Concen: 179.564 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:104 Resp: 1334986

Ion	Ratio	Lower	Upper
104	100		
78	48.8	39.5	59.3
103	54.6	44.1	66.1

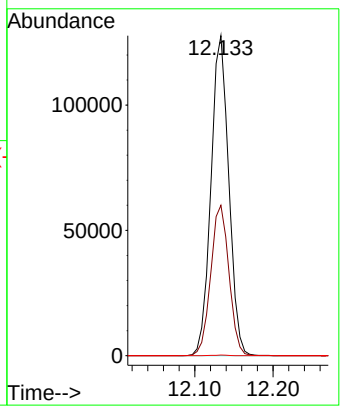




#71
Bromoform
Concen: 166.138 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:173 Resp: 20146

Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.8	71.5
254	0.2	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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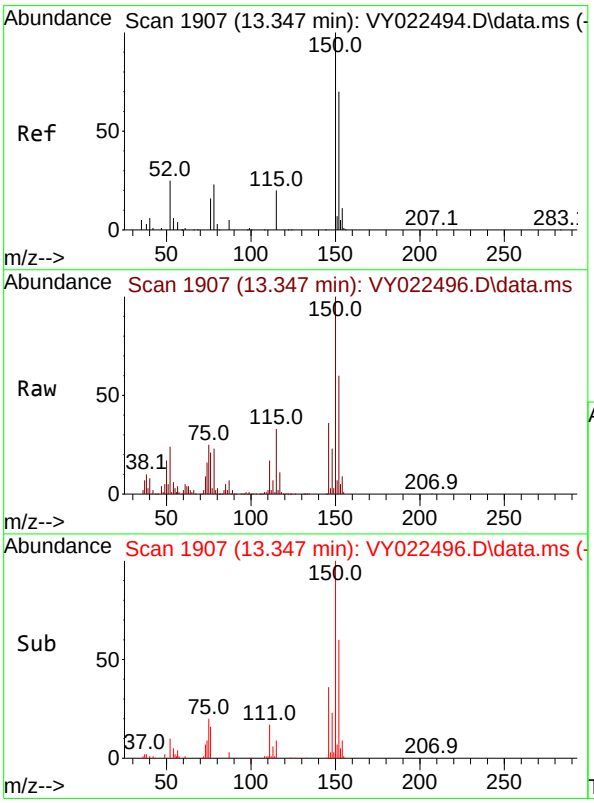
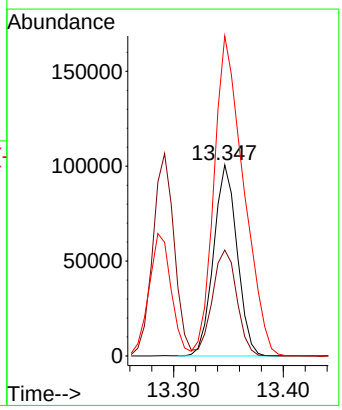
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

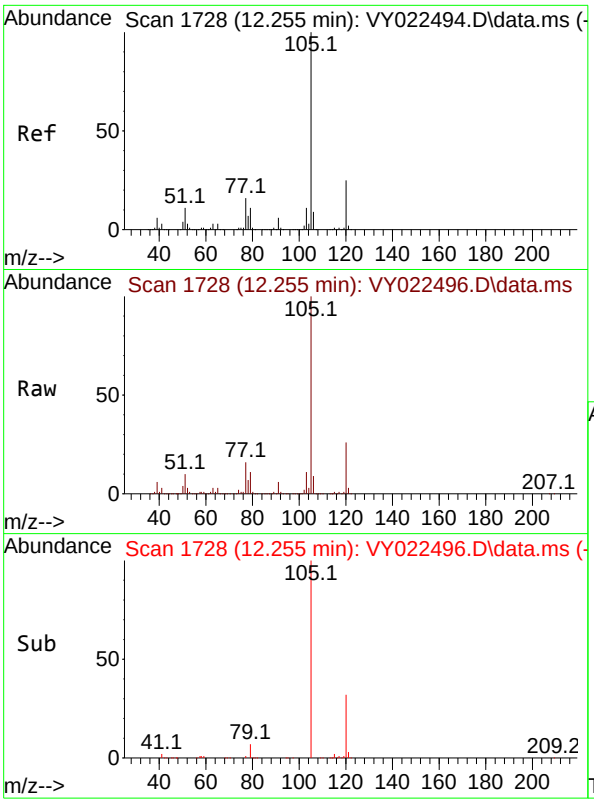


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:152 Resp: 150326

Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.9	86.7
150	210.0	0.0	349.6

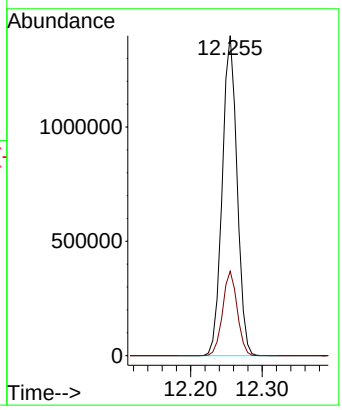




#73
Isopropylbenzene
Concen: 166.060 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:105 Resp: 201126

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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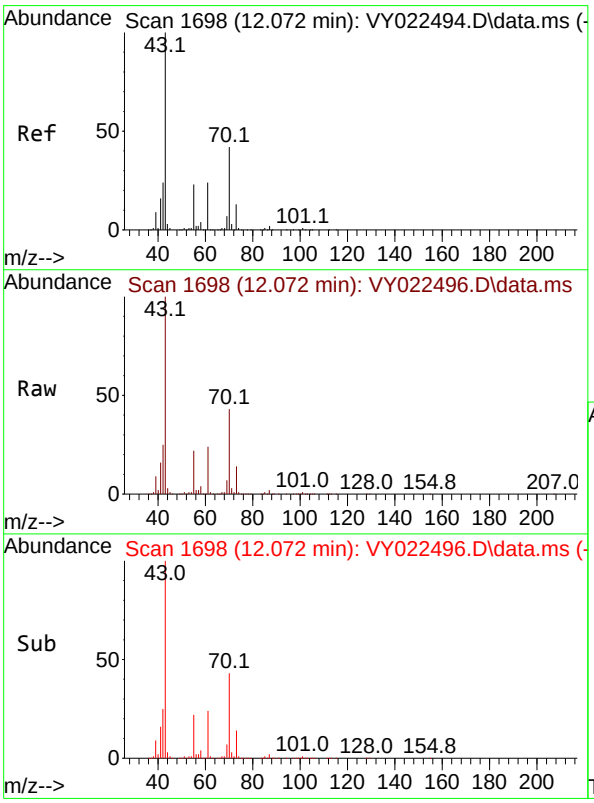
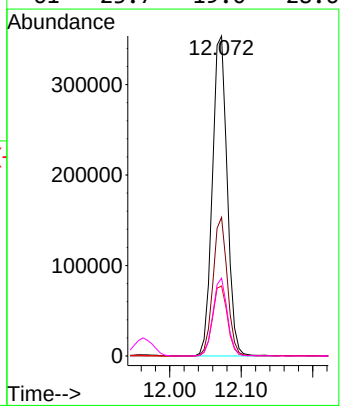
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

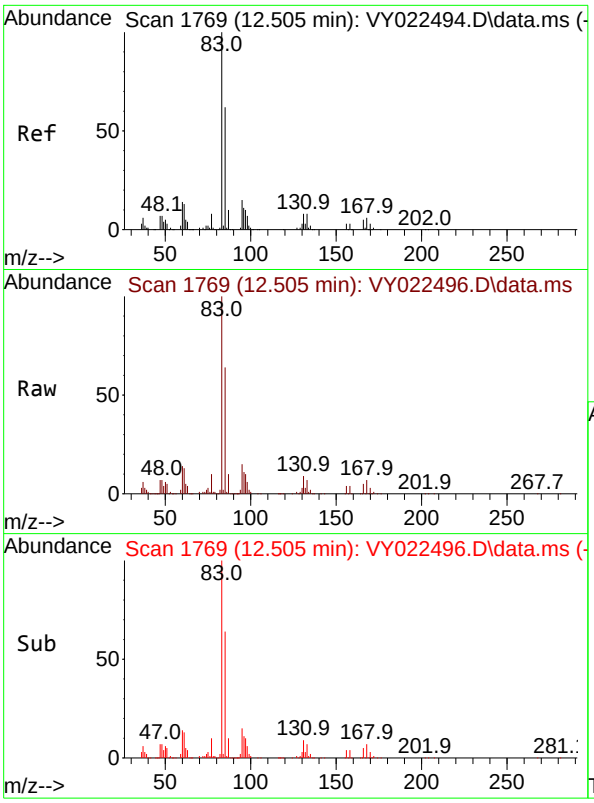


#74
N-amyl acetate
Concen: 165.957 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 43 Resp: 508301

Ion	Ratio	Lower	Upper
43	100		
70	42.1	34.2	51.2
55	22.1	18.2	27.4
61	23.7	19.0	28.6

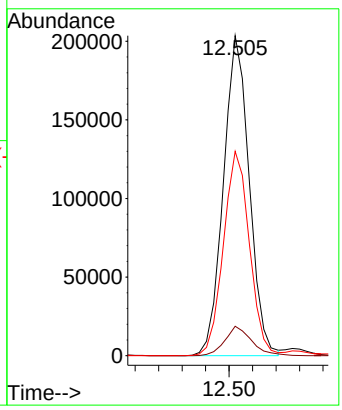




#75
1,1,2,2-Tetrachloroethane
Concen: 157.927 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 83 Resp: 31064

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.9	14.7
85	64.3	32.6	97.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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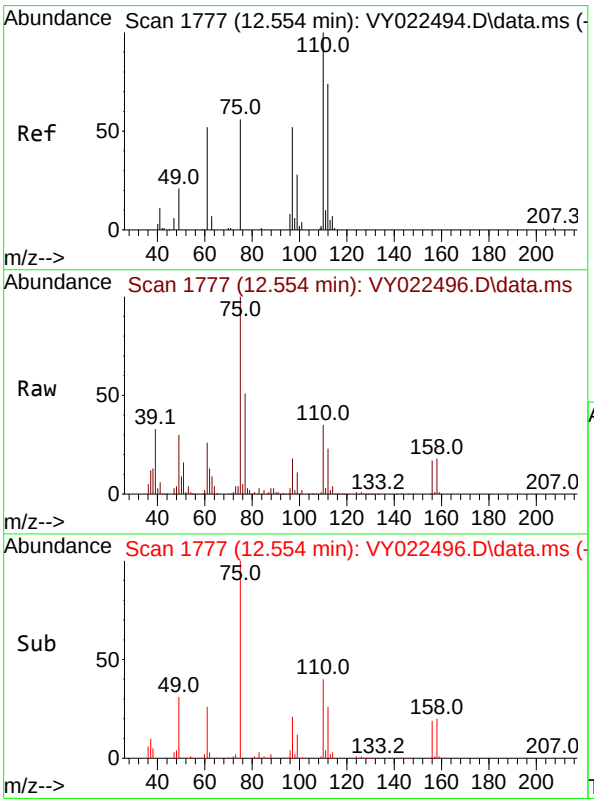
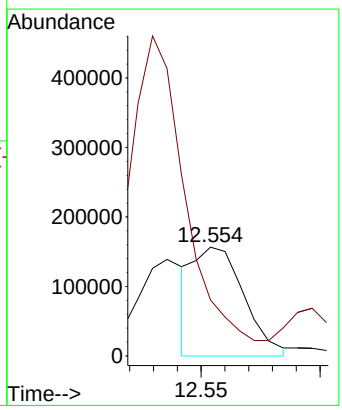
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

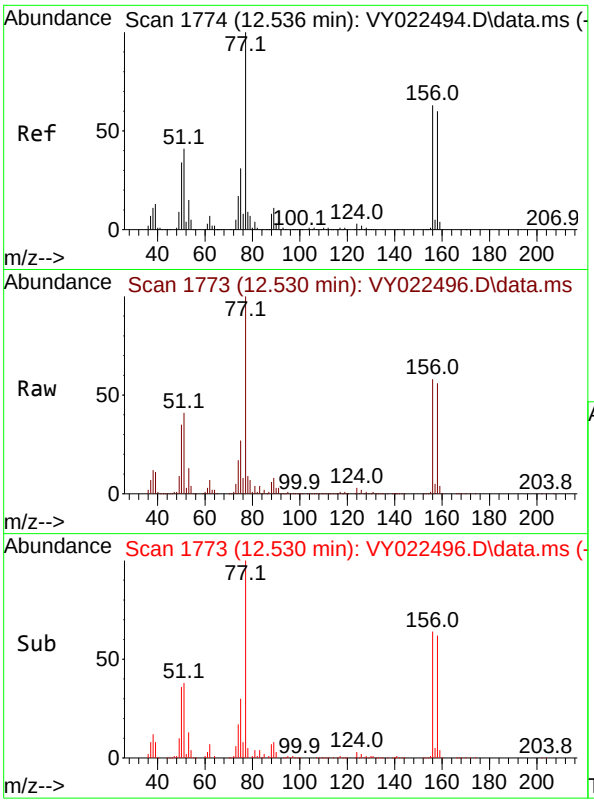


#76
1,2,3-Trichloropropane
Concen: 116.768 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 75 Resp: 231729

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

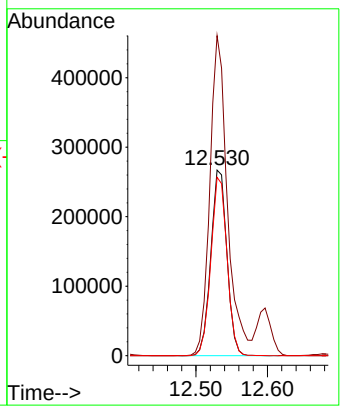




#77
Bromobenzene
Concen: 162.489 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:156 Resp: 41712

Ion	Ratio	Lower	Upper
156	100		
77	188.4	94.0	282.1
158	96.4	48.2	144.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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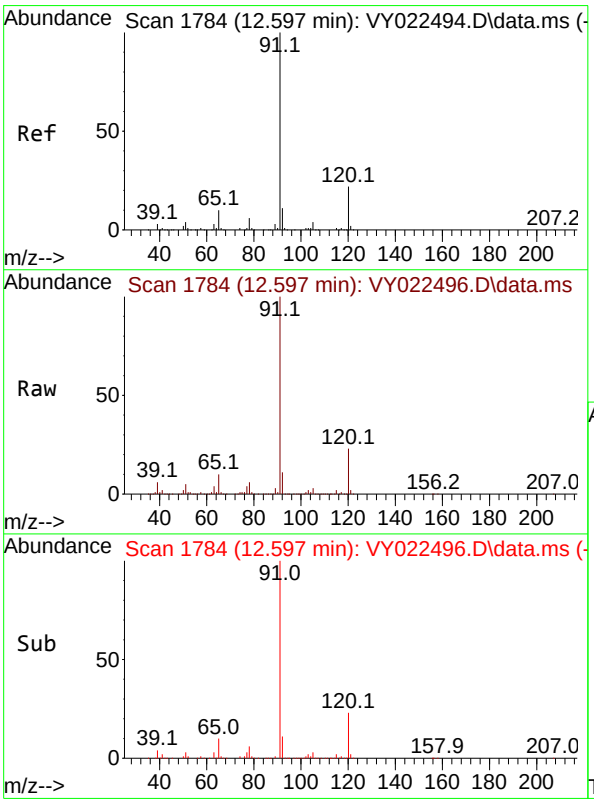
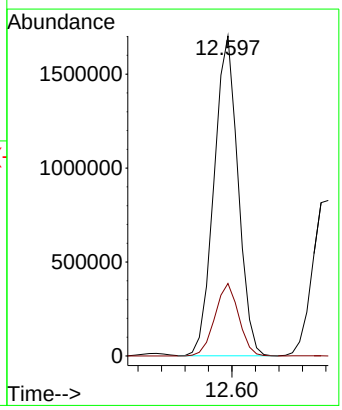
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

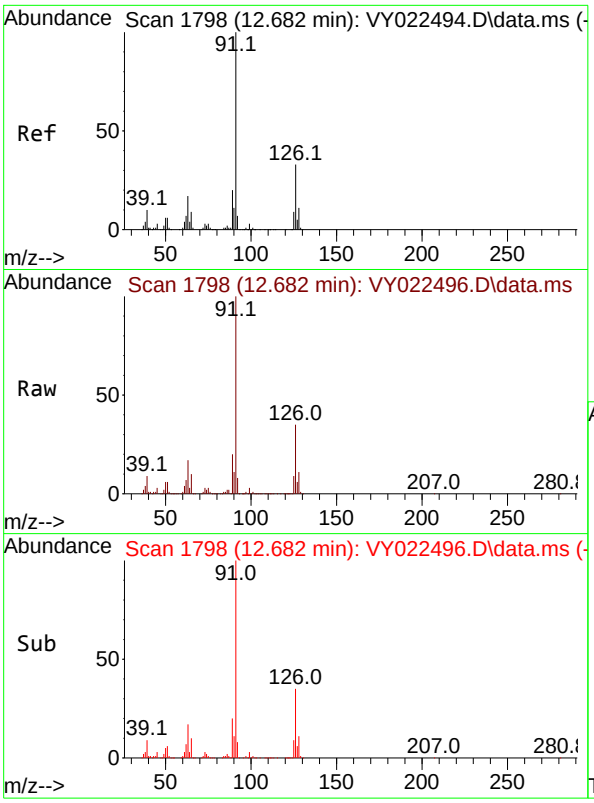


#78
n-propylbenzene
Concen: 163.876 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 91 Resp: 2416013

Ion	Ratio	Lower	Upper
91	100		
120	22.4	10.8	32.4





#79
2-Chlorotoluene
Concen: 163.862 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 91 Resp: 127558

Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.0	51.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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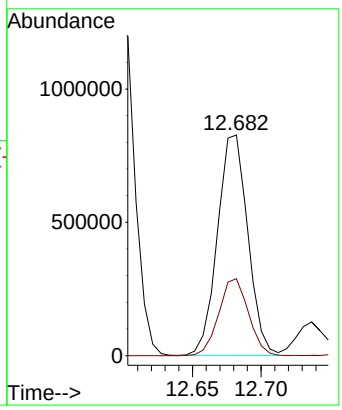
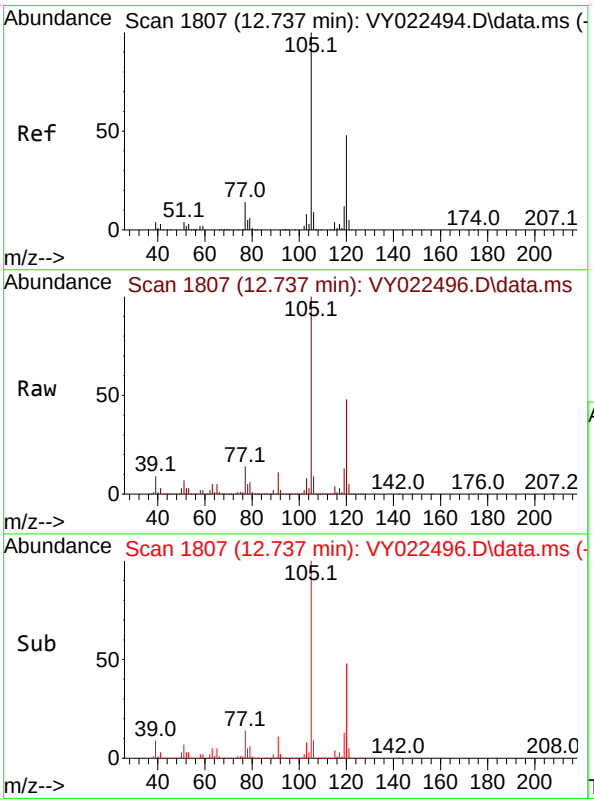
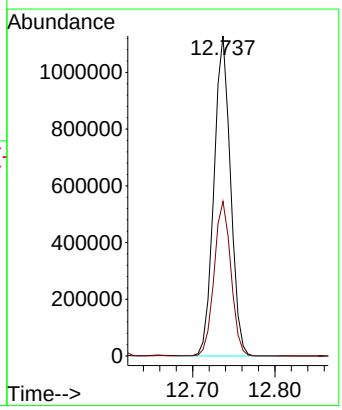


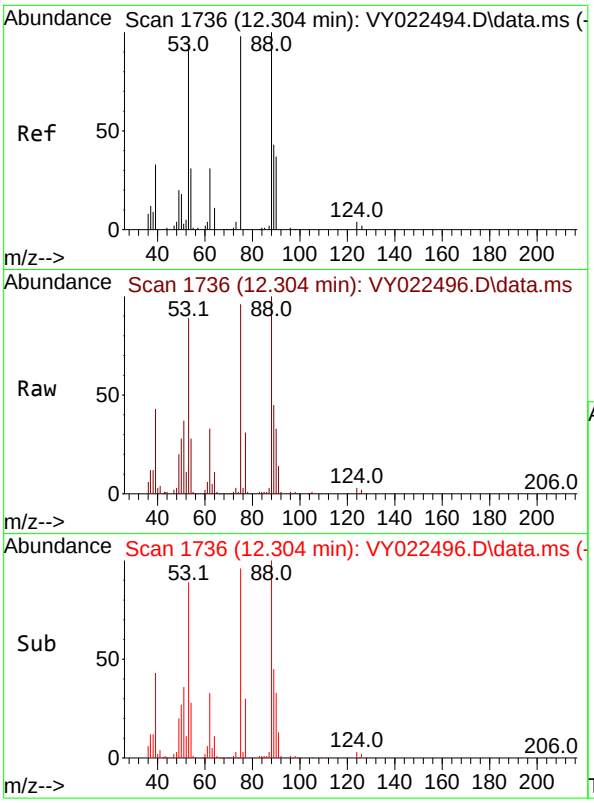


#80
1,3,5-Trimethylbenzene
Concen: 166.511 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:105 Resp: 1576906

Ion	Ratio	Lower	Upper
105	100		
120	49.0	24.1	72.4





#81
trans-1,4-Dichloro-2-butene
Concen: 160.989 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 75 Resp: 11143

Ion	Ratio	Lower	Upper
75	100		
53	93.2	78.5	117.7
89	46.1	35.7	53.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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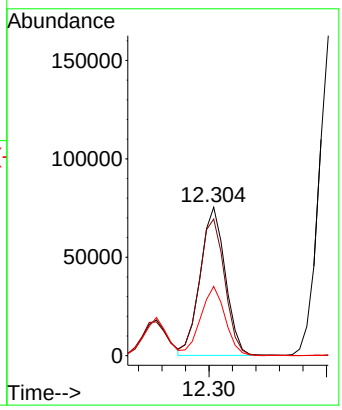
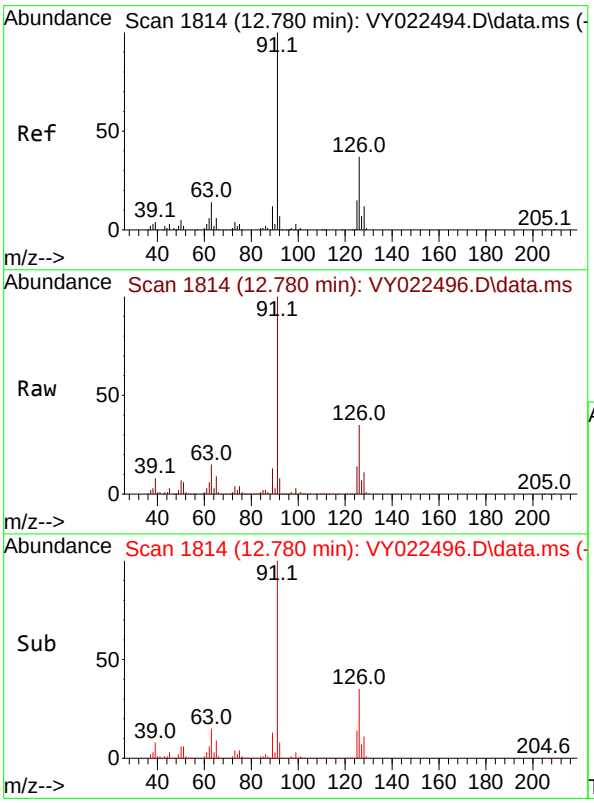
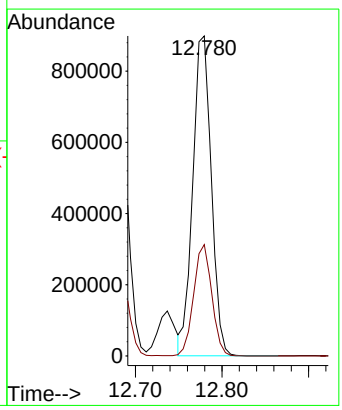


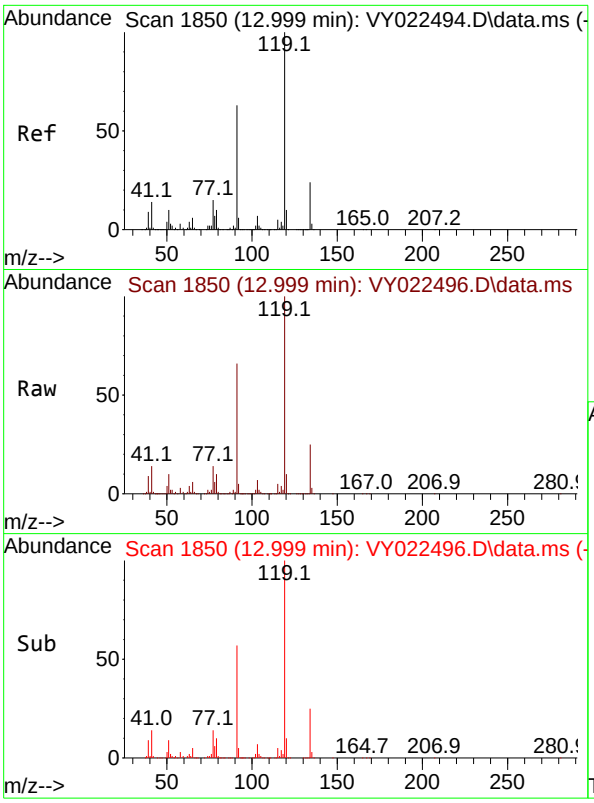


#82
4-Chlorotoluene
Concen: 165.467 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 91 Resp: 1334965

Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.0	50.9

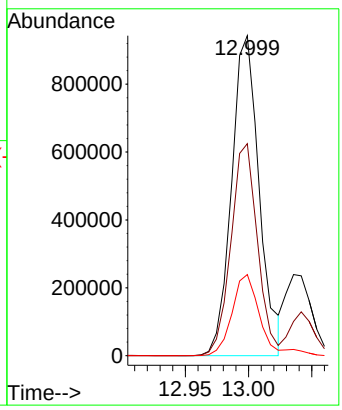




#83
tert-Butylbenzene
Concen: 166.064 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:119 Resp: 143464

Ion	Ratio	Lower	Upper
119	100		
91	63.7	32.1	96.3
134	25.9	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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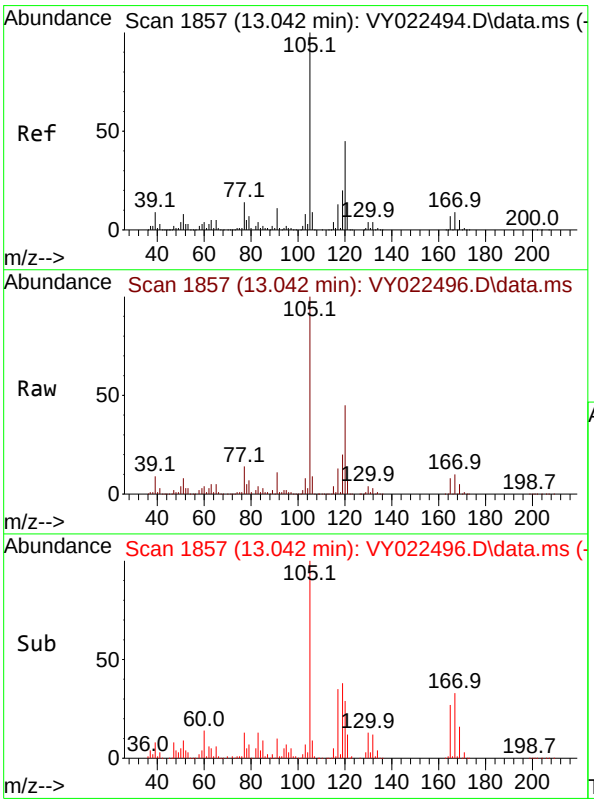
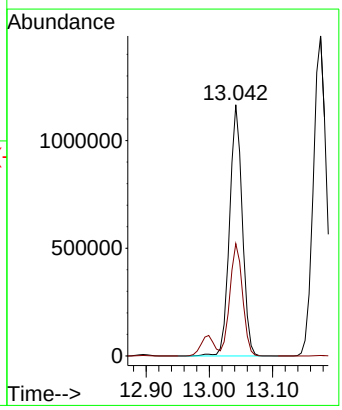
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

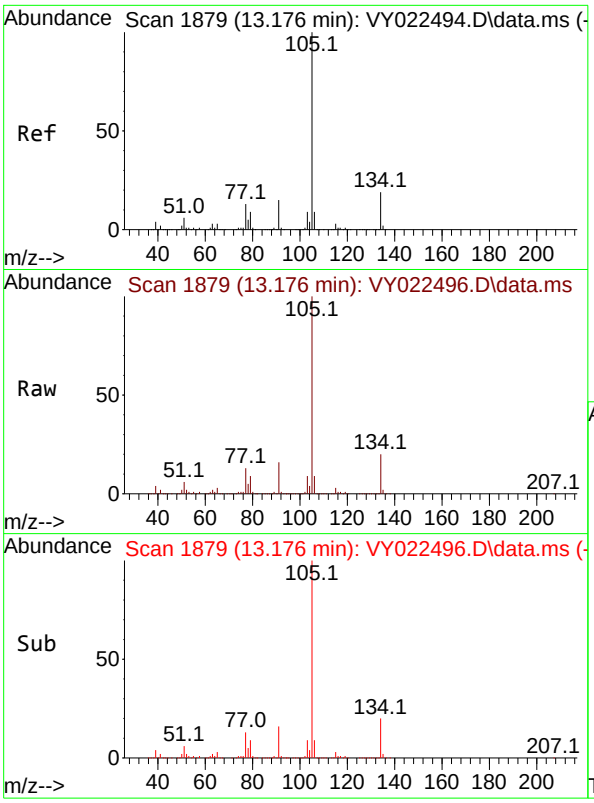


#84
1,2,4-Trimethylbenzene
Concen: 171.323 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:105 Resp: 1623289

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.7	68.1





#85
sec-Butylbenzene
Concen: 163.415 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:105 Resp: 214044

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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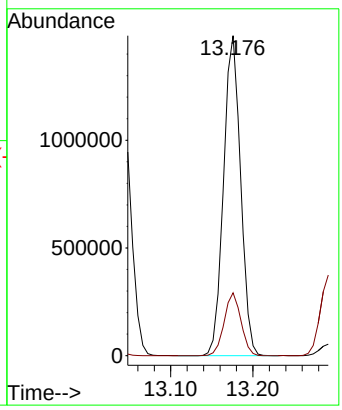
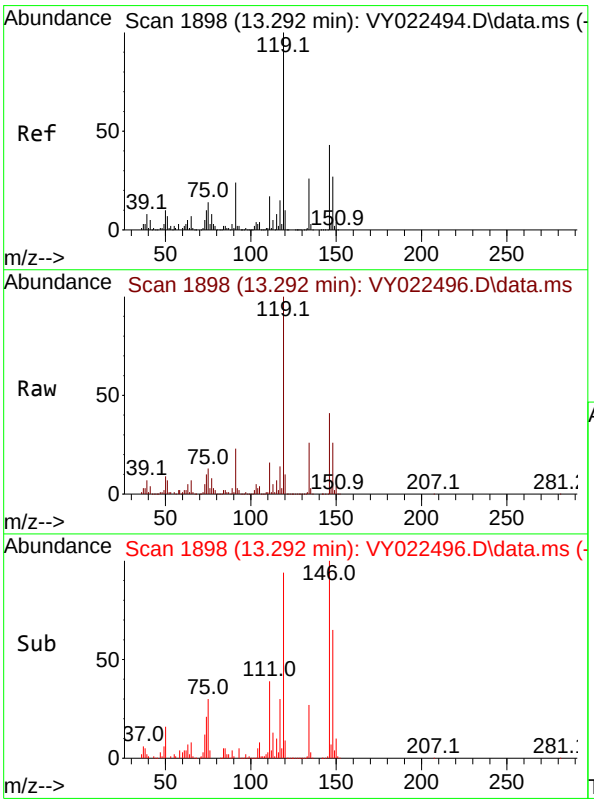
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

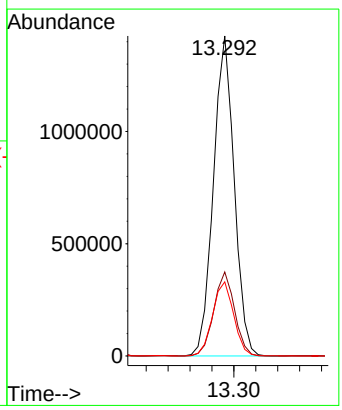


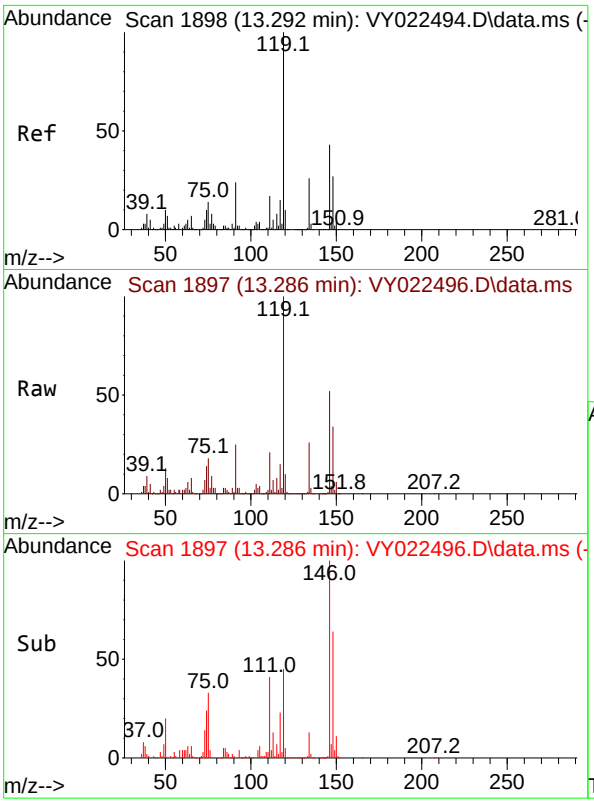


#86
p-Isopropyltoluene
Concen: 174.353 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:119 Resp: 1877539

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.1
91	23.6	11.6	34.8

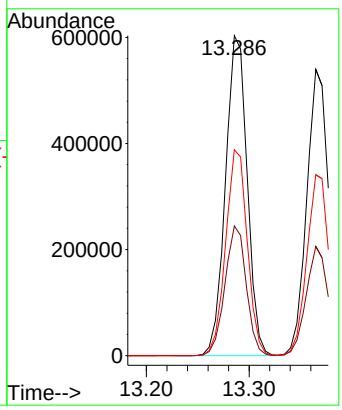




#87
1,3-Dichlorobenzene
Concen: 172.326 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:146 Resp: 88505

Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.1	60.2
148	64.2	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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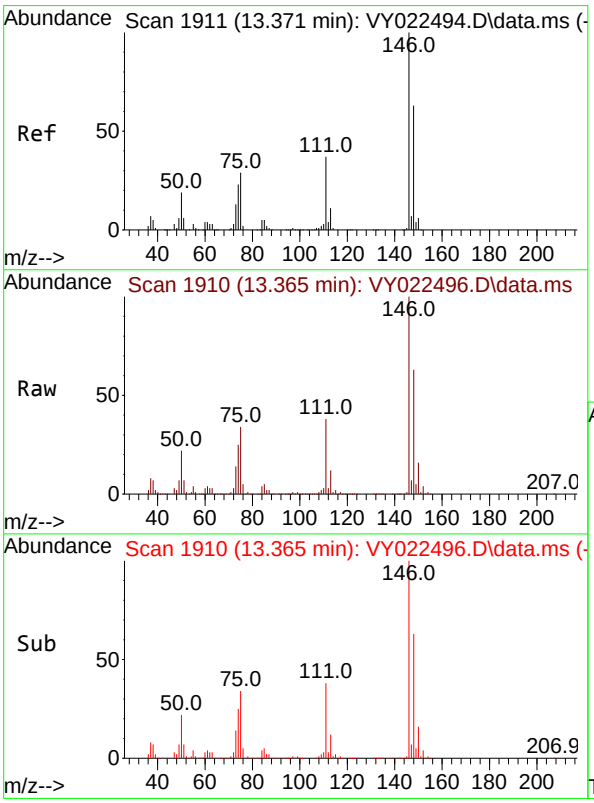
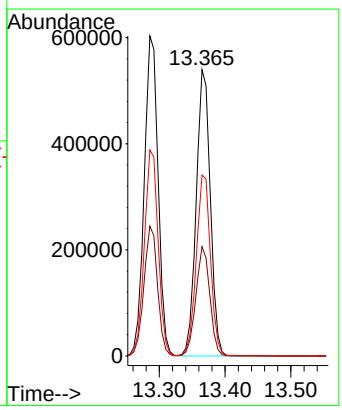
Supervised By :Mahesh Dadoda 06/03/2025

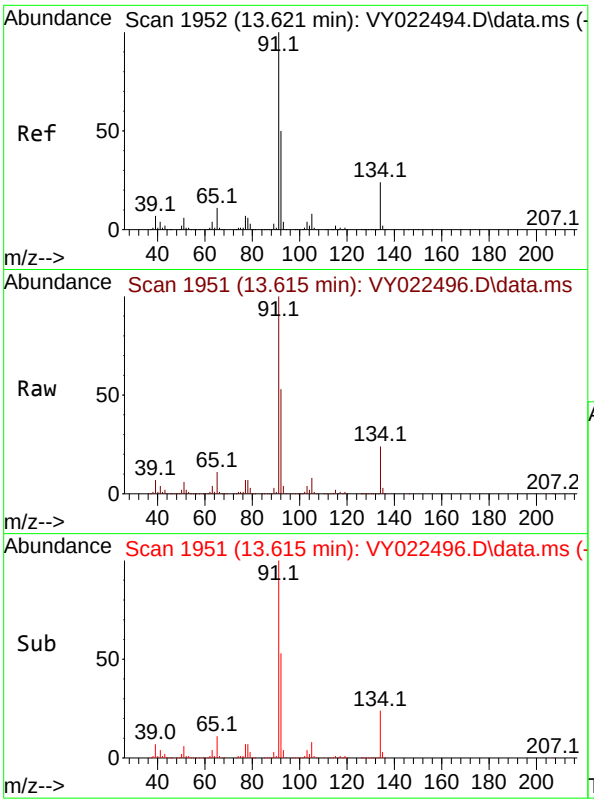


#88
1,4-Dichlorobenzene
Concen: 160.470 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:146 Resp: 803022

Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.4	58.2
148	63.7	31.6	94.8

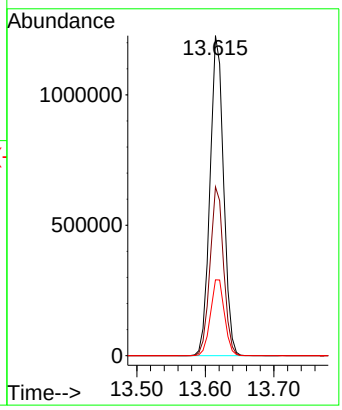




#89
n-Butylbenzene
Concen: 164.939 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 91 Resp: 169111

Ion	Ratio	Lower	Upper
91	100		
92	52.6	25.9	77.8
134	24.6	12.0	36.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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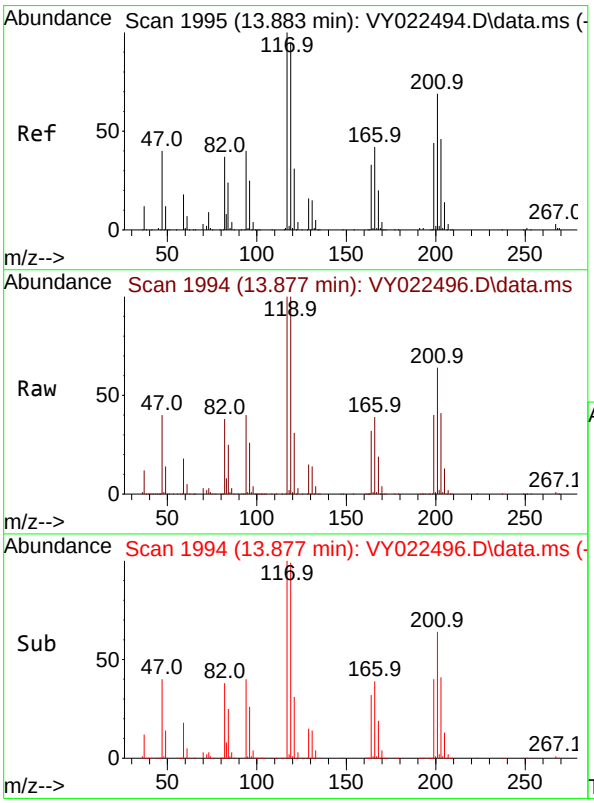
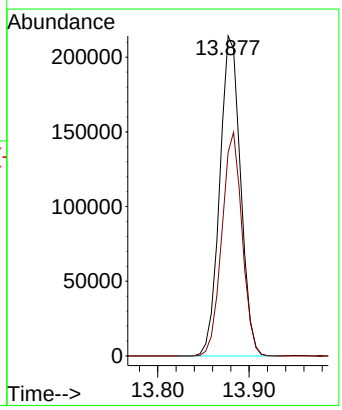
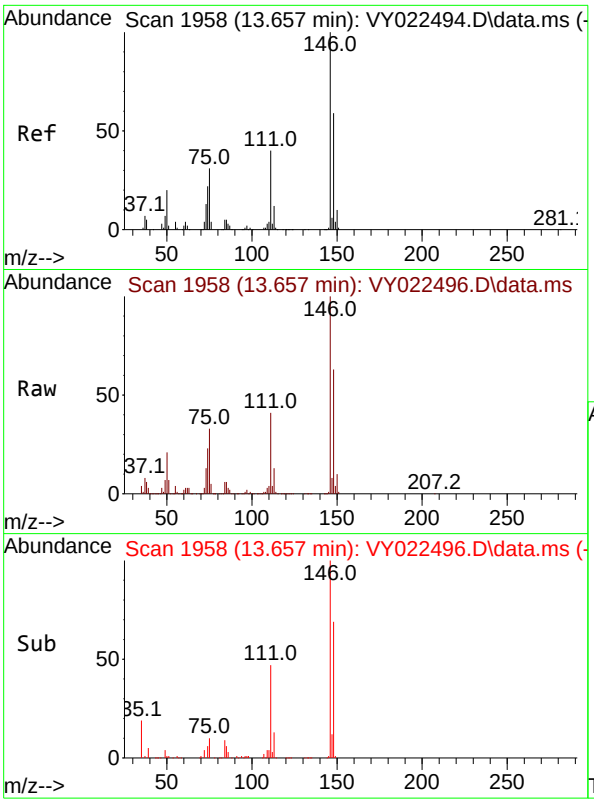


#90
Hexachloroethane
Concen: 160.801 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:117 Resp: 338845

Ion	Ratio	Lower	Upper
117	100		
201	68.2	34.0	102.0

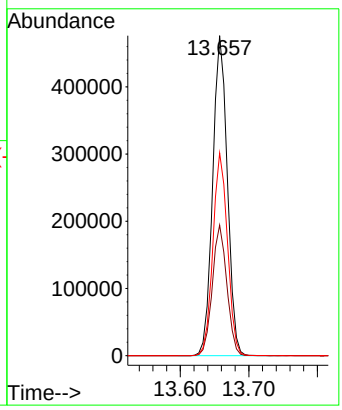




#91
1,2-Dichlorobenzene
Concen: 159.809 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:146 Resp: 70512

Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.2	60.6
148	63.2	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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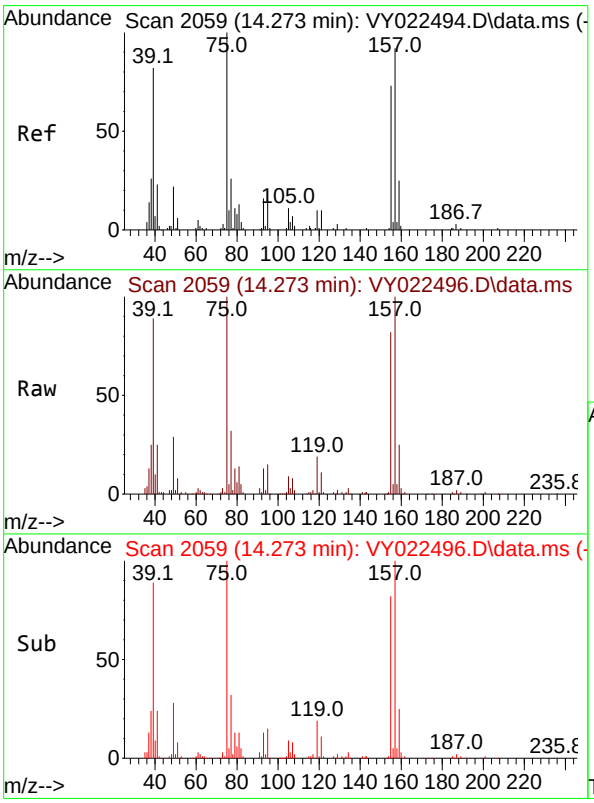
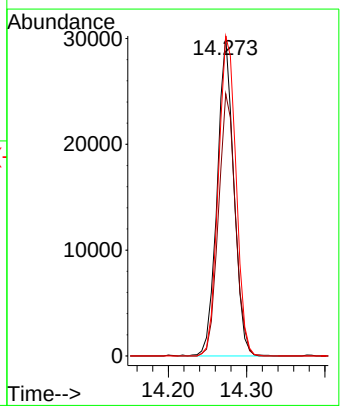
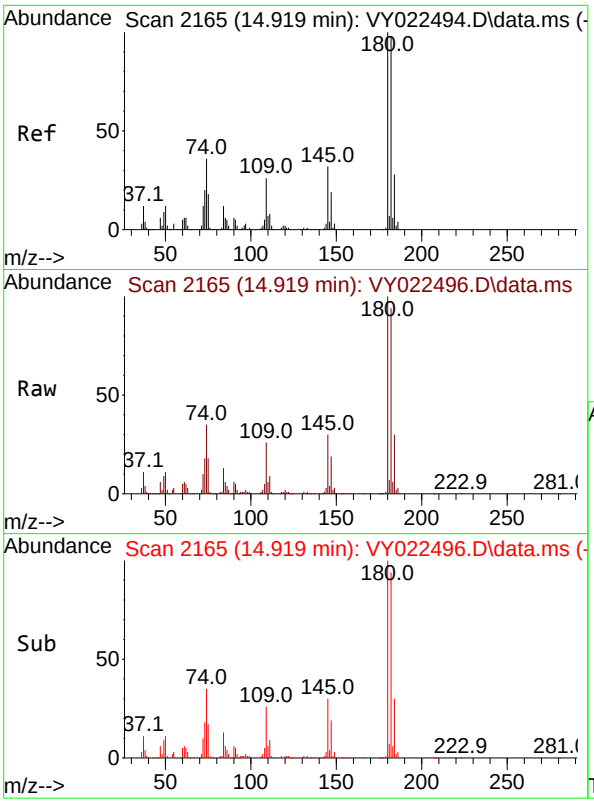


#92
1,2-Dibromo-3-Chloropropane
Concen: 149.709 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 75 Resp: 44514

Ion	Ratio	Lower	Upper
75	100		
155	83.7	39.9	119.6
157	106.5	54.0	162.0

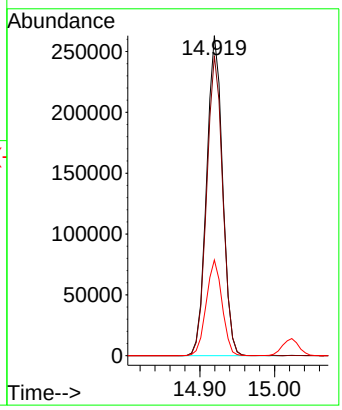




#93
1,2,4-Trichlorobenzene
Concen: 161.773 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:180 Resp: 39017

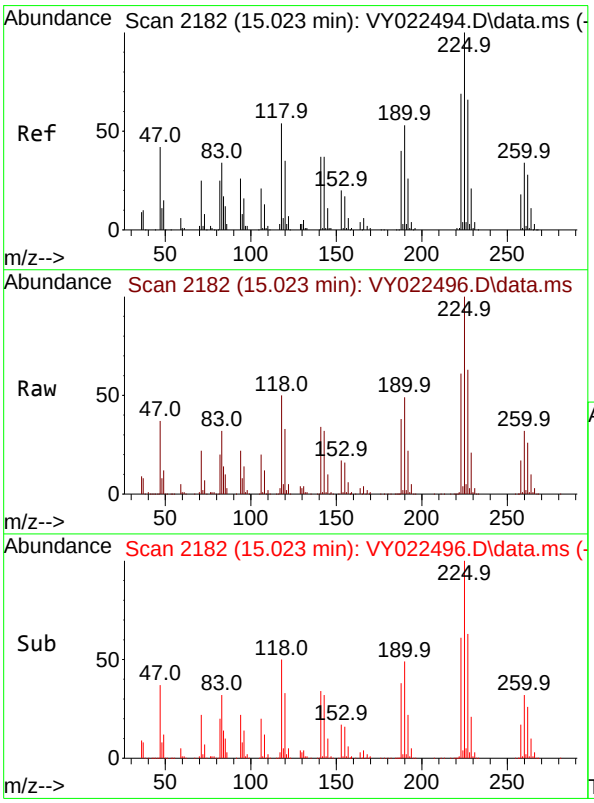
Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.4	145.3
145	29.7	15.5	46.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

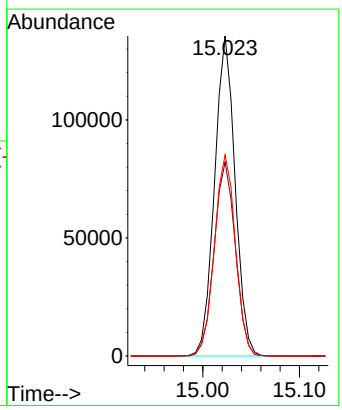
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

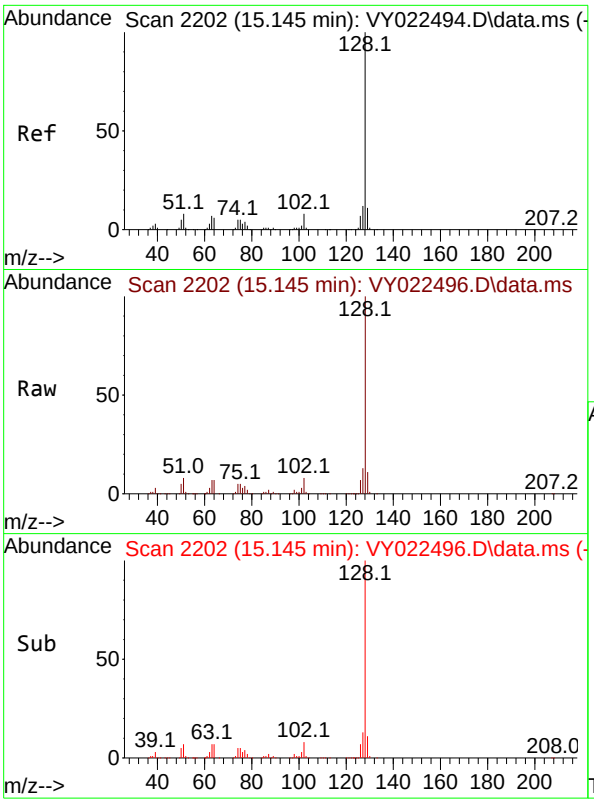


#94
Hexachlorobutadiene
Concen: 151.389 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:225 Resp: 199423

Ion	Ratio	Lower	Upper
225	100		
223	62.5	32.5	97.4
227	64.2	32.3	96.9

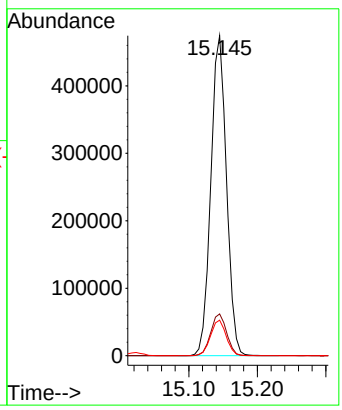




#95
Naphthalene
Concen: 162.970 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:128 Resp: 75327

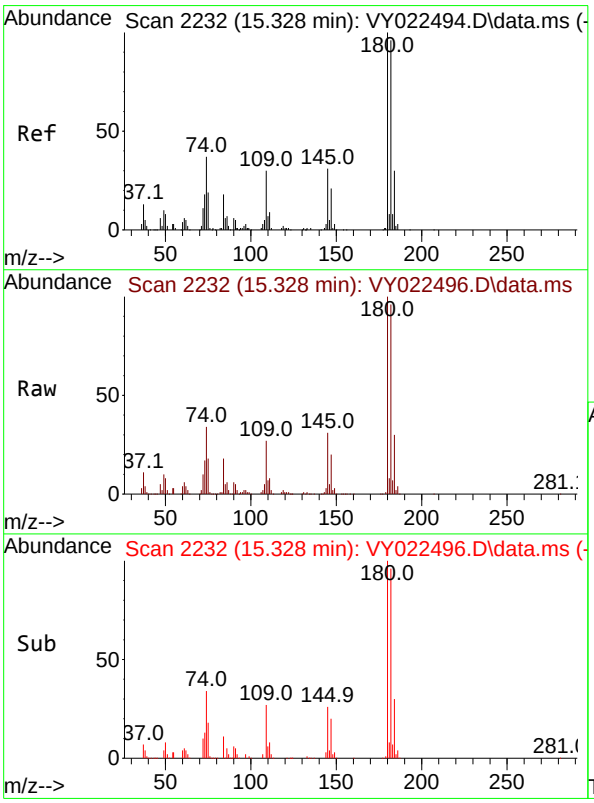
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.2	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

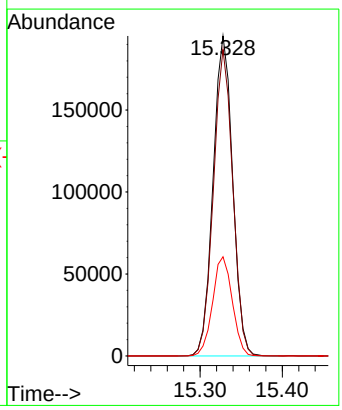
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 157.072 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:180 Resp: 321960

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.1	141.3
145	31.3	15.2	45.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	219240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	365013	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	312263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	145254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	106759	43.538	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 87.080%			
35) Dibromofluoromethane	7.634	113	101692	46.676	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.360%			
50) Toluene-d8	10.109	98	411640	46.760	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.520%			
62) 4-Bromofluorobenzene	12.408	95	120253	45.847	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	84059	42.825	ug/l	99
3) Chloromethane	2.068	50	276116	47.616	ug/l	100
4) Vinyl Chloride	2.202	62	323338	48.066	ug/l	97
5) Bromomethane	2.599	94	274123	42.515	ug/l	99
6) Chloroethane	2.733	64	205816	44.575	ug/l	96
7) Trichlorofluoromethane	3.050	101	271122	47.475	ug/l	96
8) Diethyl Ether	3.458	74	56906	44.247	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	108788	45.230	ug/l	99
10) Methyl Iodide	4.007	142	116830	44.885	ug/l	100
11) Tert butyl alcohol	4.879	59	36036	205.761	ug/l	97
12) 1,1-Dichloroethene	3.787	96	106297	46.234	ug/l	98
13) Acrolein	3.653	56	48776	223.473	ug/l	98
14) Allyl chloride	4.385	41	165428	45.834	ug/l	99
15) Acrylonitrile	5.061	53	118175	216.963	ug/l	100
16) Acetone	3.873	43	110479	221.854	ug/l	99
17) Carbon Disulfide	4.104	76	341772	46.432	ug/l	100
18) Methyl Acetate	4.391	43	57416	38.935	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	284761	43.974	ug/l	99
20) Methylene Chloride	4.616	84	115624	40.875	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	118427	46.024	ug/l	95
22) Diisopropyl ether	6.019	45	354328	44.104	ug/l	96
23) Vinyl Acetate	5.964	43	1064896	223.951	ug/l	100
24) 1,1-Dichloroethane	5.915	63	217965	46.053	ug/l	98
25) 2-Butanone	6.897	43	158557	220.736	ug/l	98
26) 2,2-Dichloropropane	6.890	77	195035	46.639	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	136882	46.024	ug/l	99
28) Bromochloromethane	7.244	49	96031	46.547	ug/l	100
29) Tetrahydrofuran	7.262	42	98109	211.767	ug/l	100
30) Chloroform	7.427	83	215264	45.919	ug/l	94
31) Cyclohexane	7.701	56	206176	43.757	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	194039	46.627	ug/l	99
36) 1,1-Dichloropropene	7.835	75	166116	46.978	ug/l	99
37) Ethyl Acetate	6.988	43	68761	43.605	ug/l	98
38) Carbon Tetrachloride	7.823	117	173199	47.747	ug/l	97
39) Methylcyclohexane	9.110	83	222971	46.923	ug/l	99
40) Benzene	8.085	78	491078	47.020	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	39730	43.134	ug/l		99
42) 1,2-Dichloroethane	8.158	62	130161	45.644	ug/l		98
43) Isopropyl Acetate	8.201	43	150263	44.122	ug/l	#	88
44) Trichloroethene	8.866	130	118971	46.609	ug/l		97
45) 1,2-Dichloropropane	9.140	63	114988	46.587	ug/l		96
46) Dibromomethane	9.231	93	64473	46.430	ug/l		98
47) Bromodichloromethane	9.427	83	164872	46.825	ug/l		100
48) Methyl methacrylate	9.219	41	70644	44.198	ug/l		98
49) 1,4-Dioxane	9.231	88	13433	816.553	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.000	43	372276	219.250	ug/l		98
52) Toluene	10.170	92	309375	47.137	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	152066	46.094	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	177445	46.206	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	79596	44.953	ug/l		96
56) Ethyl methacrylate	10.439	69	115237	45.029	ug/l		99
57) 1,3-Dichloropropane	10.719	76	143407	45.696	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	283213	243.746	ug/l		99
59) 2-Hexanone	10.762	43	249926	220.088	ug/l		99
60) Dibromochloromethane	10.914	129	101515	45.114	ug/l		100
61) 1,2-Dibromoethane	11.018	107	74173	45.960	ug/l		97
64) Tetrachloroethene	10.646	164	121944	45.398	ug/l		98
65) Chlorobenzene	11.444	112	317533	45.953	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	105830	45.464	ug/l		98
67) Ethyl Benzene	11.518	91	605560	47.248	ug/l		99
68) m/p-Xylenes	11.633	106	454148	93.473	ug/l		100
69) o-Xylene	11.957	106	209354	45.959	ug/l		98
70) Styrene	11.969	104	352505	46.815	ug/l		98
71) Bromoform	12.133	173	55559	44.852	ug/l	#	98
73) Isopropylbenzene	12.255	105	559690	46.933	ug/l		100
74) N-amyl acetate	12.072	43	136915	45.502	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	87402	44.656	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	68304m	41.103	ug/l		
77) Bromobenzene	12.536	156	114771	45.607	ug/l		100
78) n-propylbenzene	12.597	91	680155	46.696	ug/l		99
79) 2-Chlorotoluene	12.682	91	358756	46.472	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	438873	46.876	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	29567	42.968	ug/l		100
82) 4-Chlorotoluene	12.780	91	368631	46.289	ug/l		100
83) tert-Butylbenzene	12.999	119	400440	47.655	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	437631	46.735	ug/l		99
85) sec-Butylbenzene	13.176	105	607968	47.241	ug/l		100
86) p-Isopropyltoluene	13.292	119	501979	47.321	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	234193	45.932	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	223096	45.113	ug/l		98
89) n-Butylbenzene	13.621	91	482774	47.968	ug/l		100
90) Hexachloroethane	13.883	117	97273	47.101	ug/l		98
91) 1,2-Dichlorobenzene	13.658	146	195728	45.213	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12728	44.665	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	109742	46.481	ug/l		97
94) Hexachlorobutadiene	15.023	225	59236	45.457	ug/l		98
95) Naphthalene	15.145	128	203925	45.009	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	89699	44.331	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
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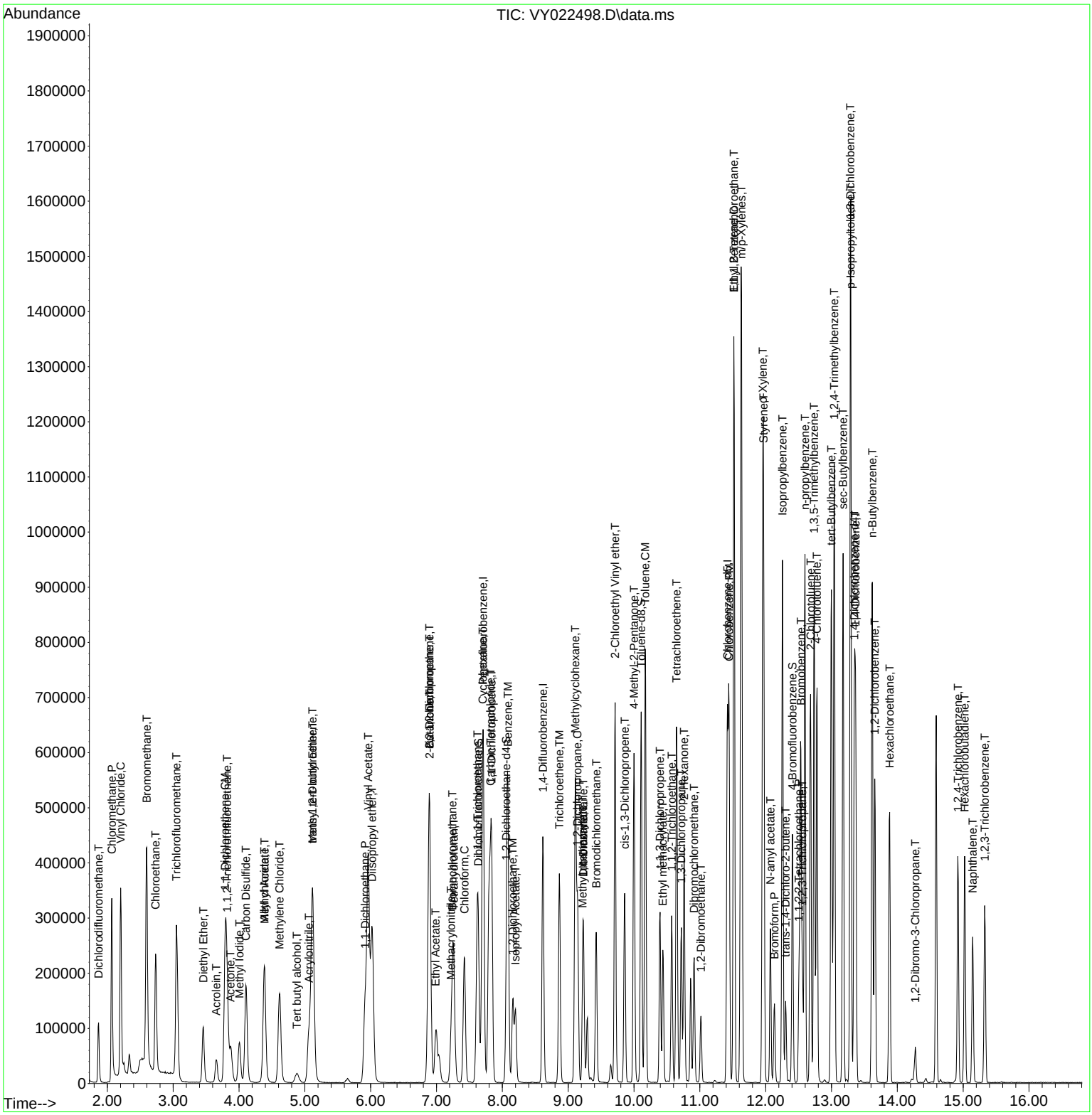
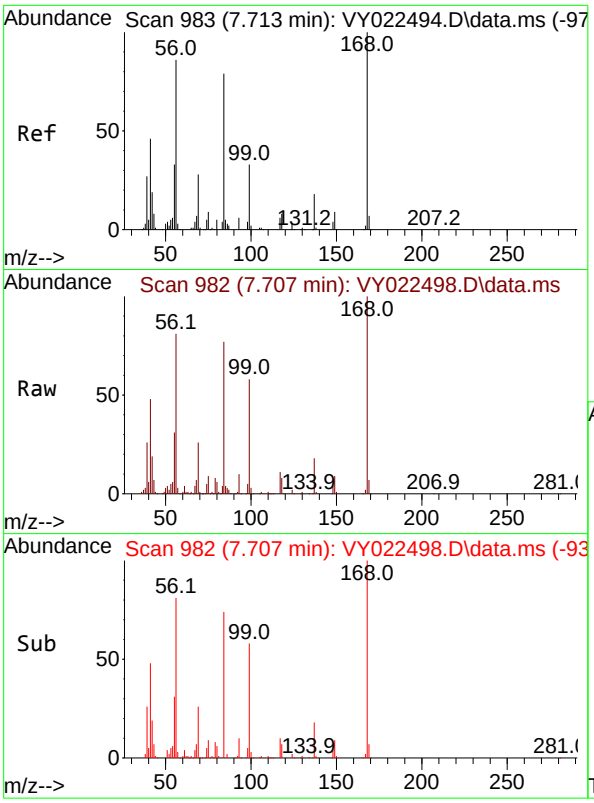
Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

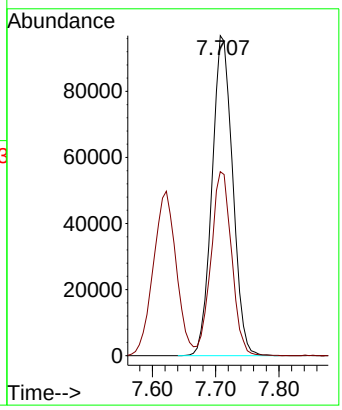




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:168 Resp: 21924

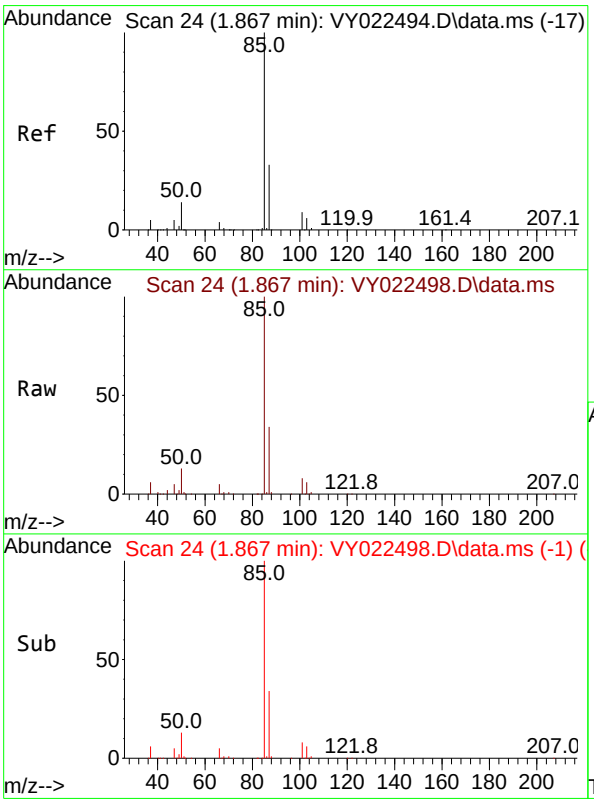
Ion	Ratio	Lower	Upper
168	100		
99	57.4	44.3	66.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

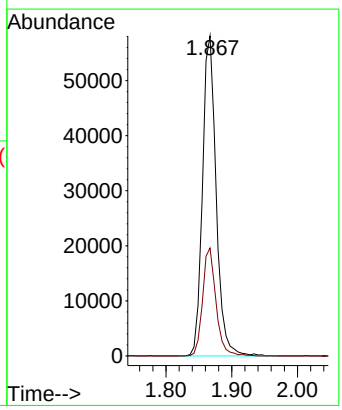
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

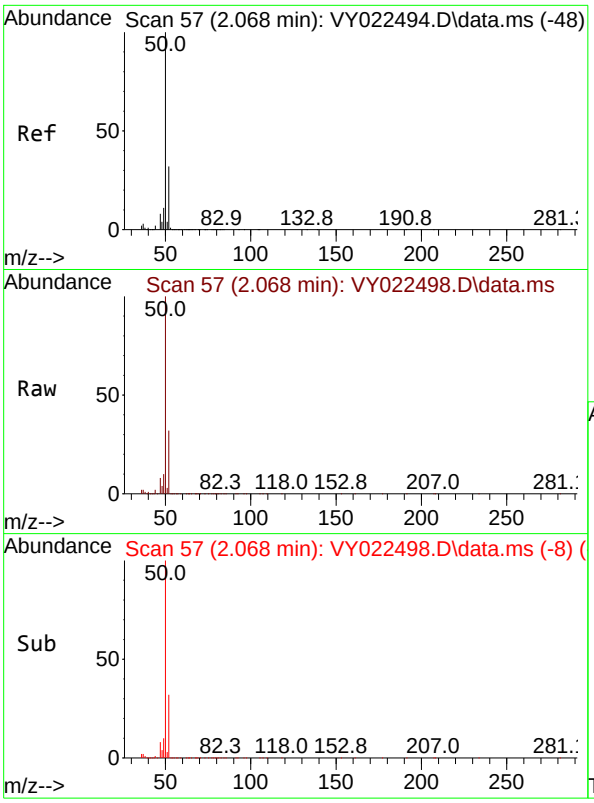


#2
Dichlorodifluoromethane
Concen: 42.825 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 85 Resp: 84059

Ion	Ratio	Lower	Upper
85	100		
87	33.7	16.7	50.0

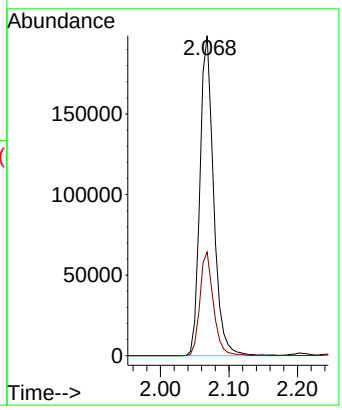




#3
Chloromethane
Concen: 47.616 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 50 Resp: 27611

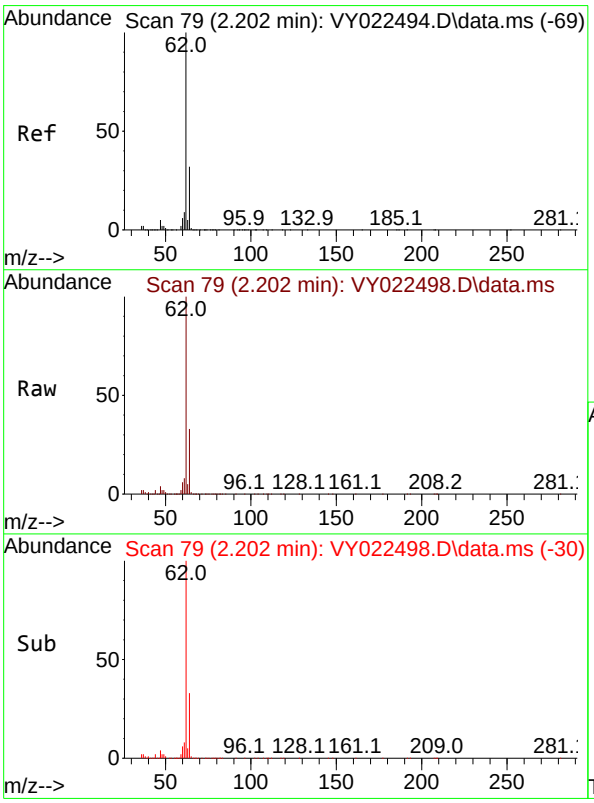
Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

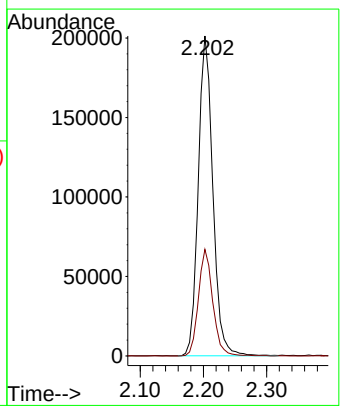
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

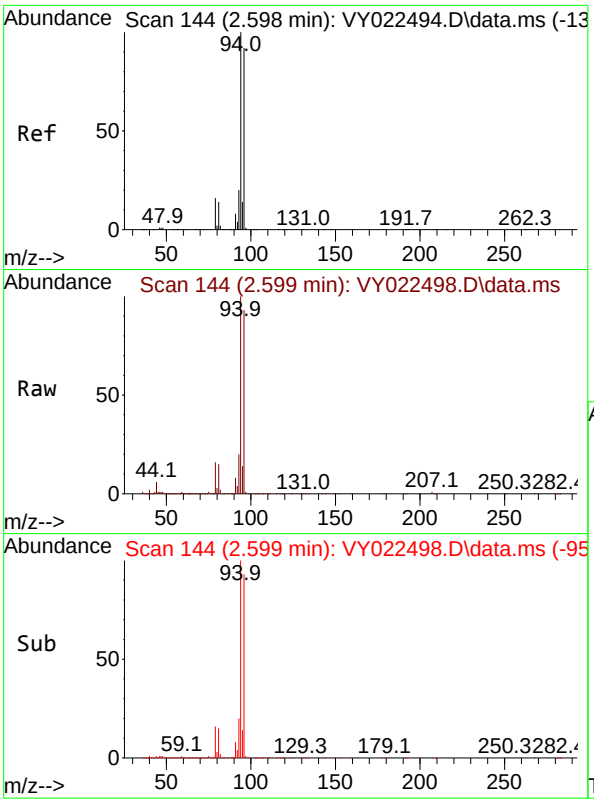


#4
Vinyl Chloride
Concen: 48.066 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 62 Resp: 323338

Ion	Ratio	Lower	Upper
62	100		
64	33.3	25.3	37.9

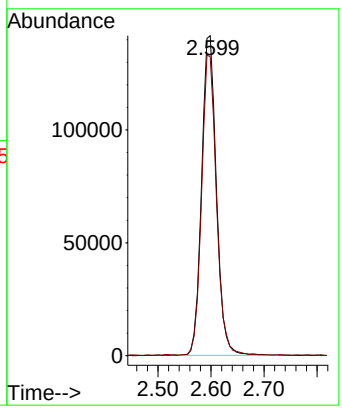




#5
Bromomethane
Concen: 42.515 ug/l
RT: 2.599 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 94 Resp: 27412

Ion	Ratio	Lower	Upper
94	100		
96	93.4	74.0	111.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

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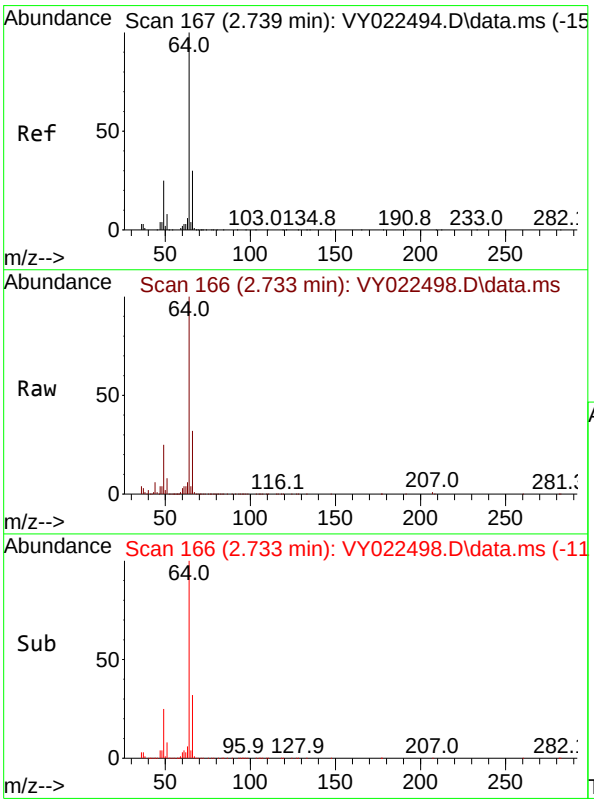
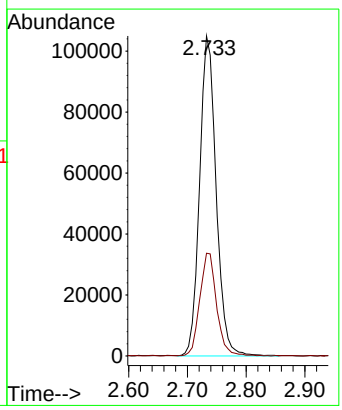
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

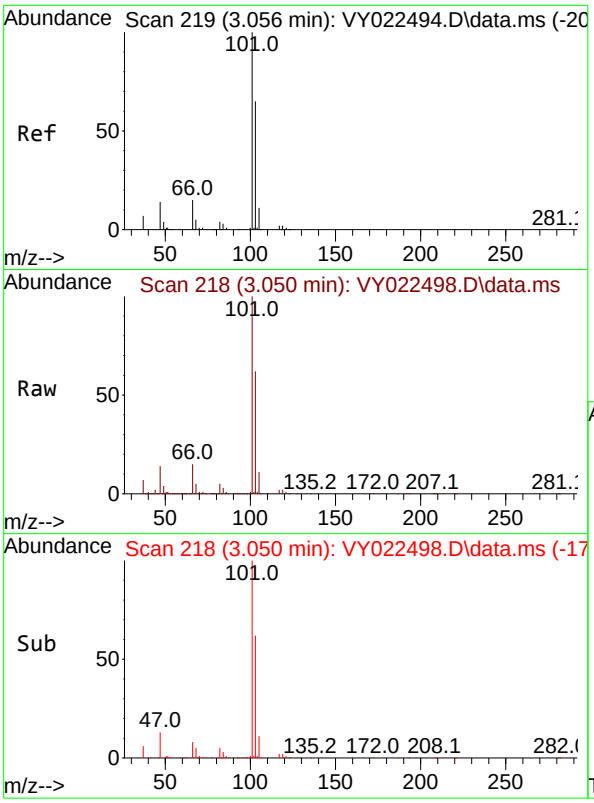


#6
Chloroethane
Concen: 44.575 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 64 Resp: 205816

Ion	Ratio	Lower	Upper
64	100		
66	32.0	23.8	35.6

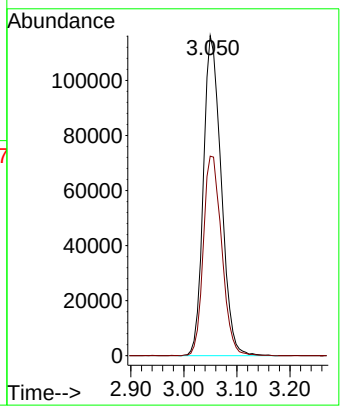




#7
Trichlorofluoromethane
Concen: 47.475 ug/l
RT: 3.050 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:101 Resp: 27112

Ion	Ratio	Lower	Upper
101	100		
103	62.4	52.2	78.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

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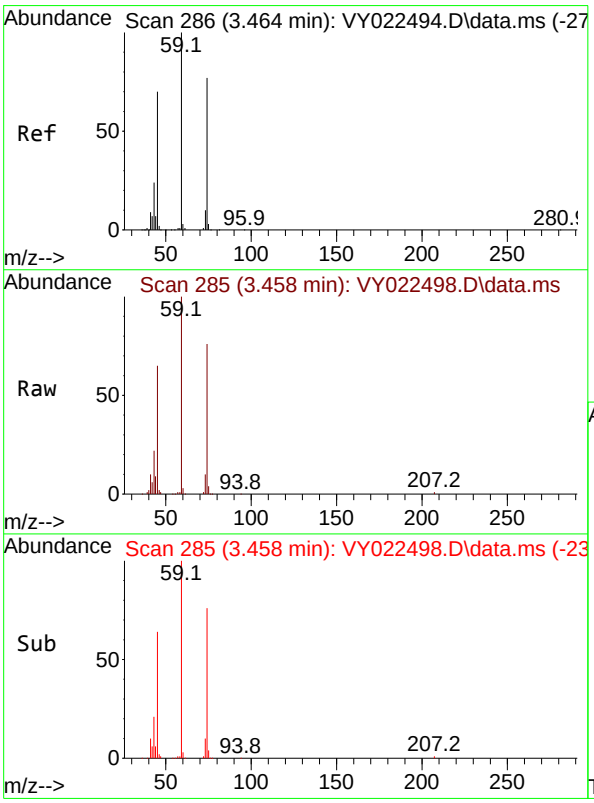
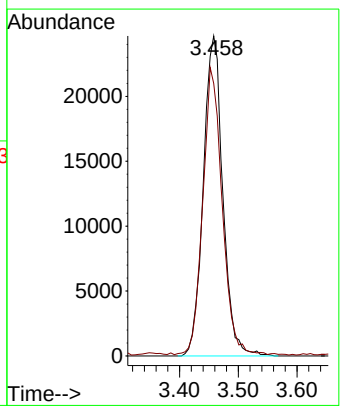
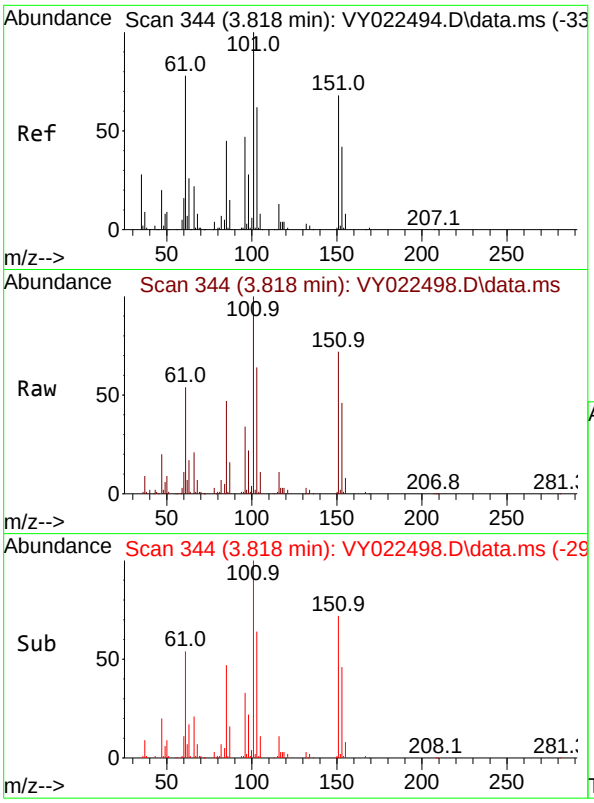


#8
Diethyl Ether
Concen: 44.247 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 74 Resp: 56906

Ion	Ratio	Lower	Upper
74	100		
45	89.1	45.9	137.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.230 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:101 Resp: 10878

Ion	Ratio	Lower	Upper
101	100		
85	49.7	39.3	58.9
151	71.8	57.8	86.8

Instrument :
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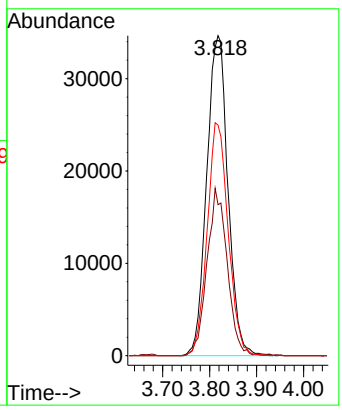
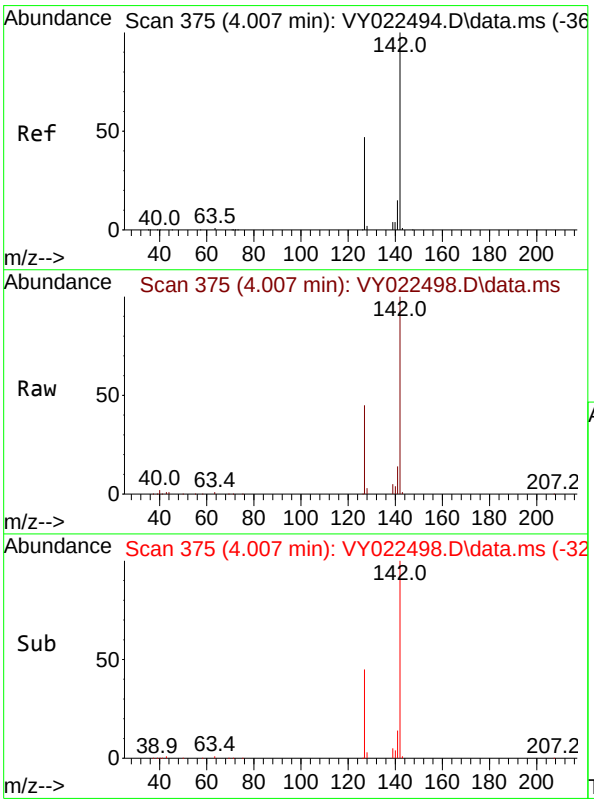
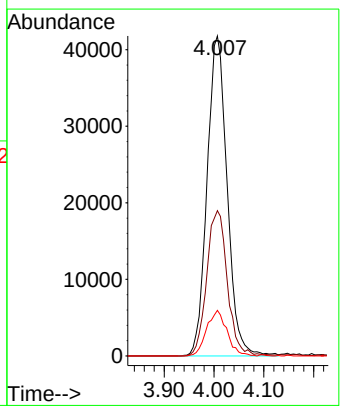


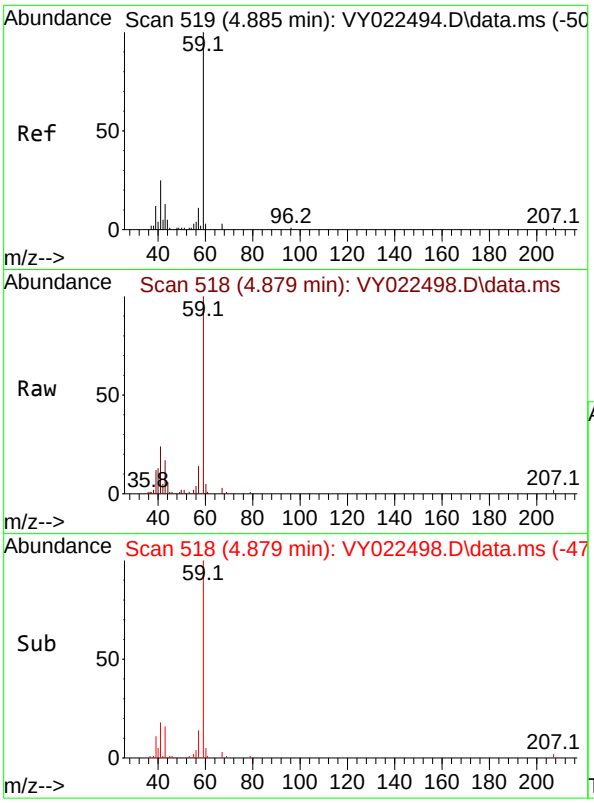


#10
Methyl Iodide
Concen: 44.885 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:142 Resp: 116830

Ion	Ratio	Lower	Upper
142	100		
127	46.7	37.1	55.7
141	14.5	11.4	17.2

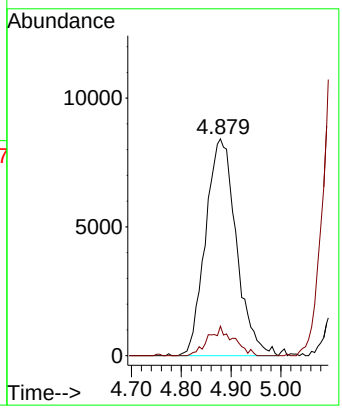




#11
Tert butyl alcohol
Concen: 205.761 ug/l
RT: 4.879 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 59 Resp: 3603

Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.0	12.0



Instrument :
MSVOA_Y
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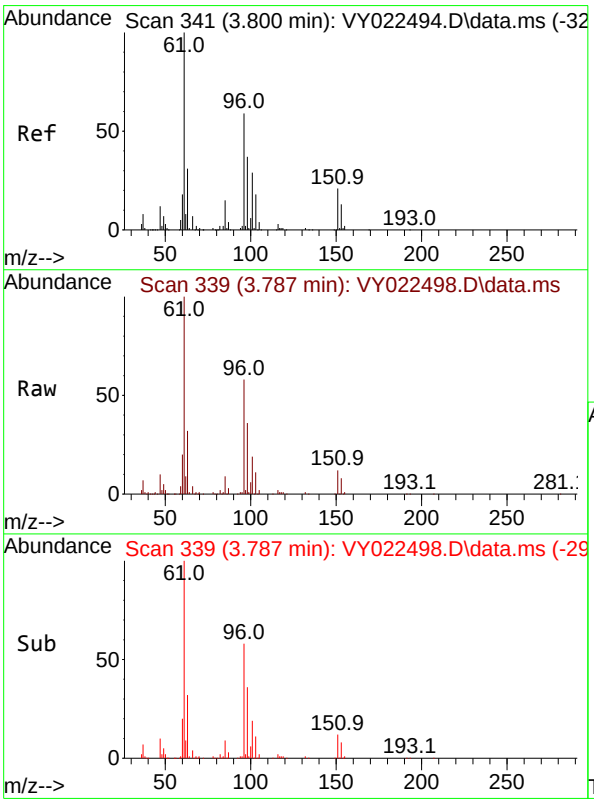
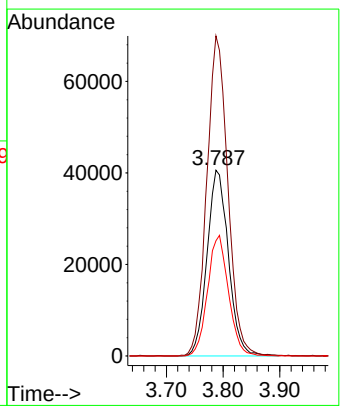
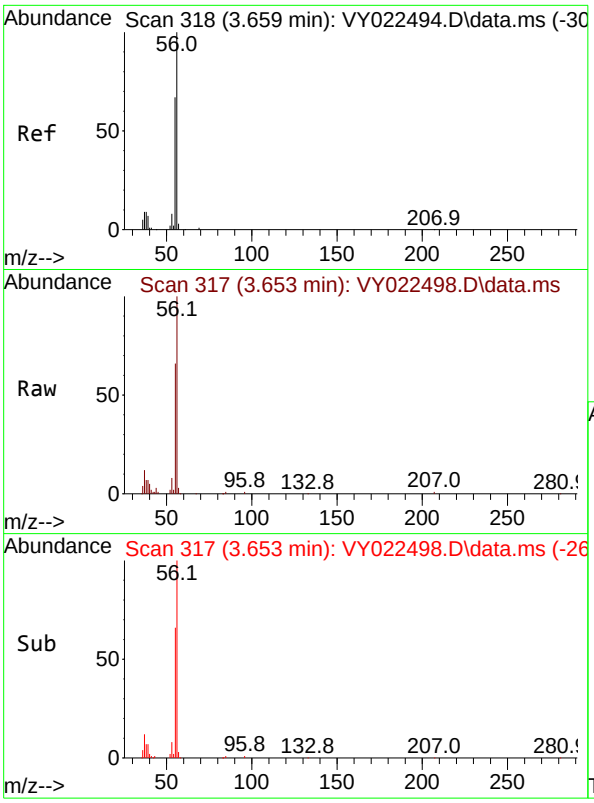


#12
1,1-Dichloroethene
Concen: 46.234 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.012 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 96 Resp: 106297

Ion	Ratio	Lower	Upper
96	100		
61	172.2	134.6	201.8
98	62.0	50.2	75.4

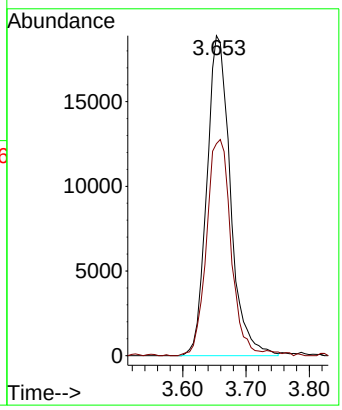




#13
Acrolein
Concen: 223.473 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 56 Resp: 4877

Ion	Ratio	Lower	Upper
56	100		
55	70.0	57.0	85.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

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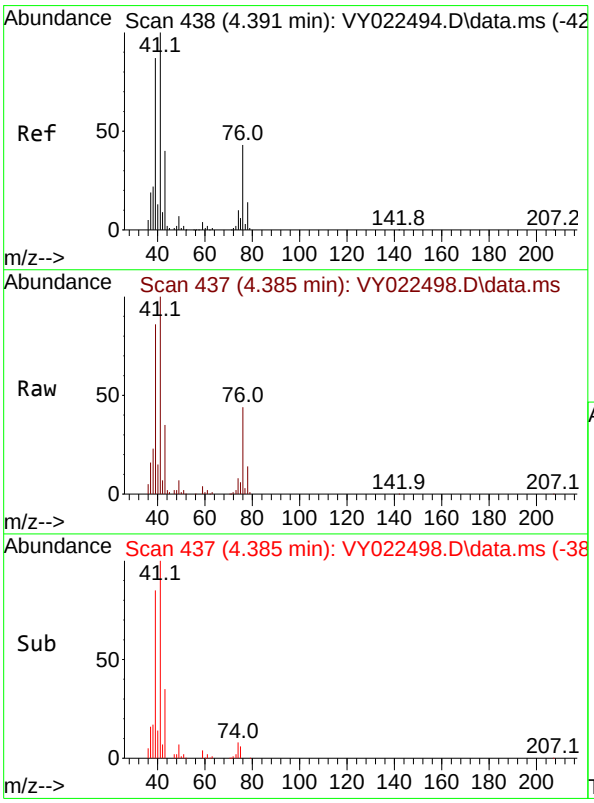
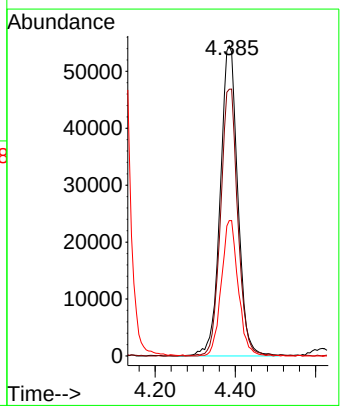
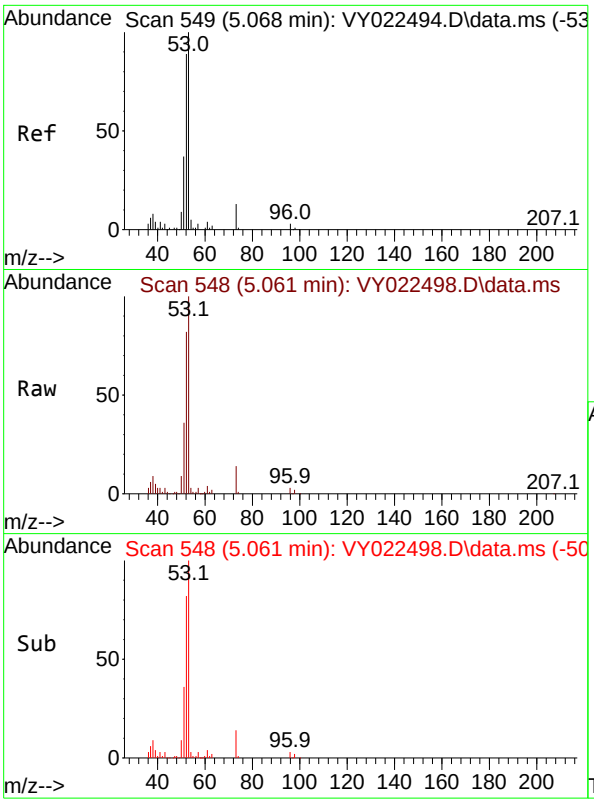


#14
Allyl chloride
Concen: 45.834 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 41 Resp: 165428

Ion	Ratio	Lower	Upper
41	100		
39	84.5	69.1	103.7
76	41.9	33.5	50.3

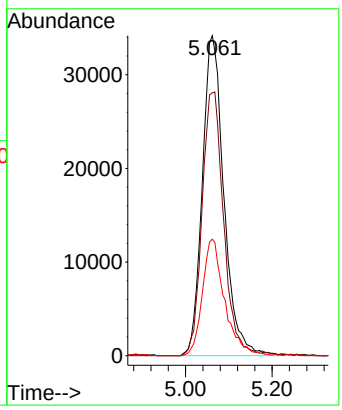




#15
Acrylonitrile
Concen: 216.963 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 53 Resp: 11817

Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.7	98.5
51	37.5	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
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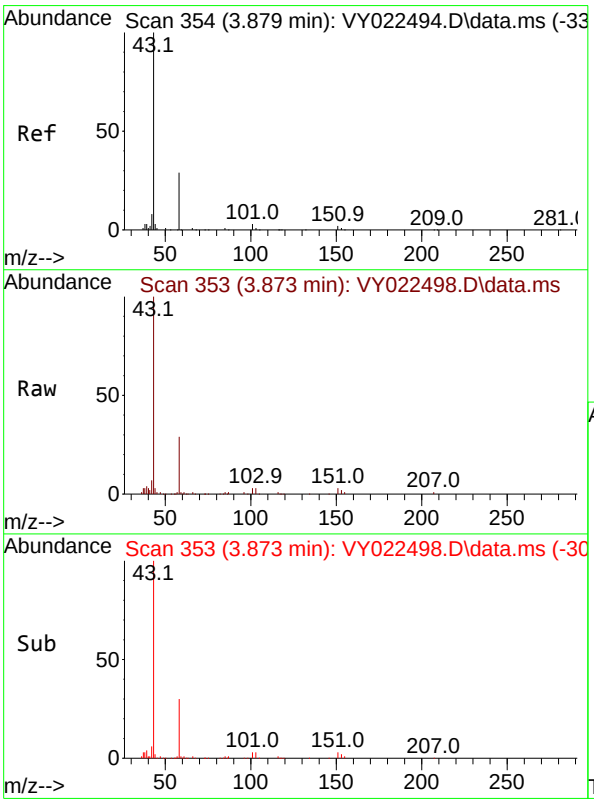
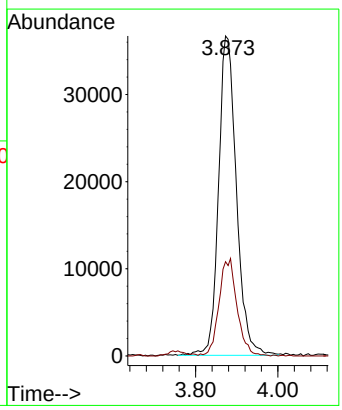
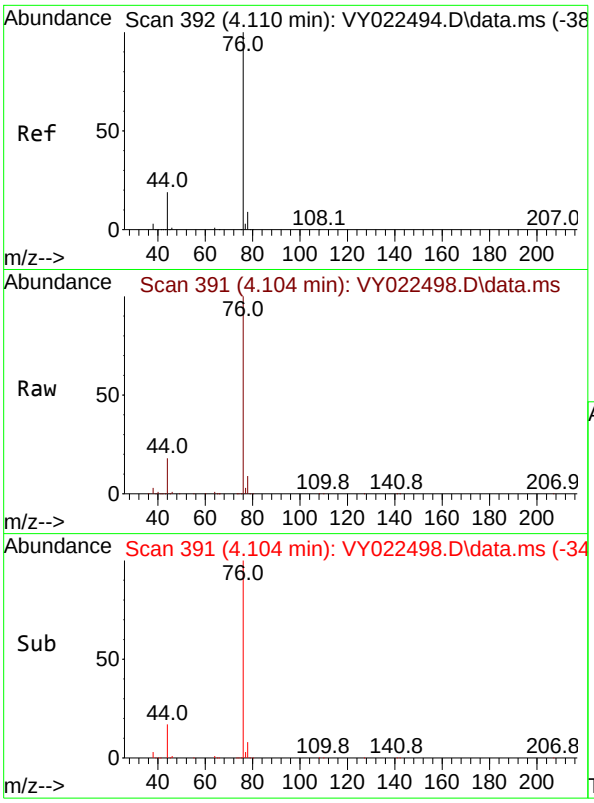


#16
Acetone
Concen: 221.854 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 43 Resp: 110479

Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.0	36.0





#17
Carbon Disulfide
Concen: 46.432 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 76 Resp: 34177

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.2

Instrument :
MSVOA_Y
ClientSampleId :
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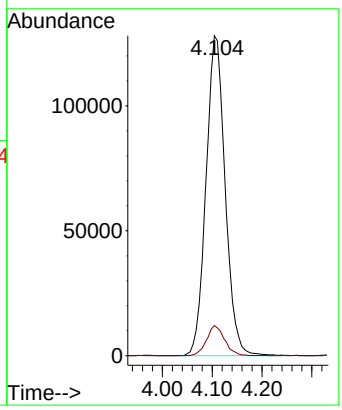
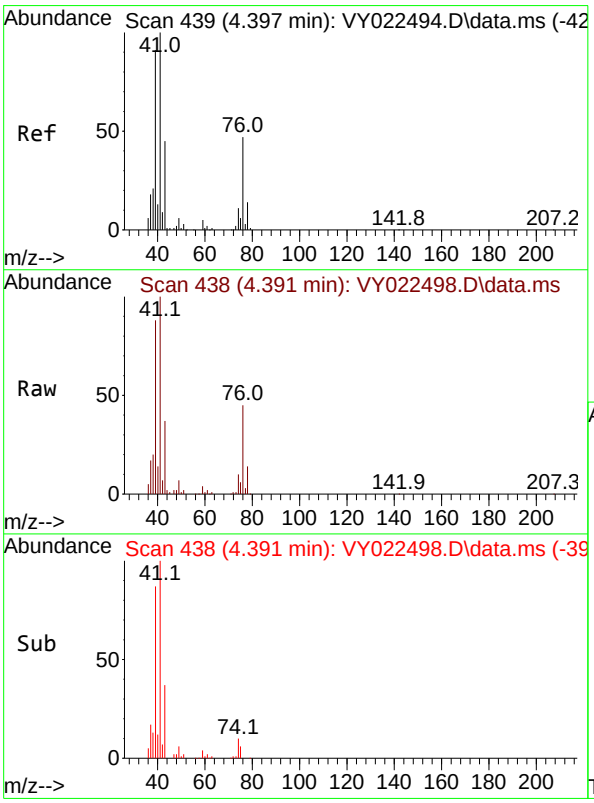
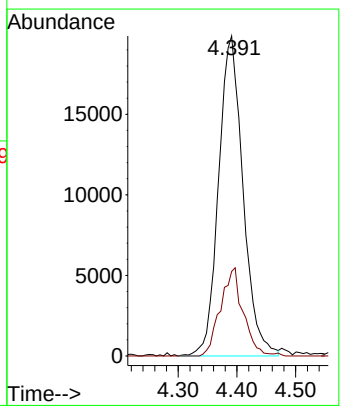


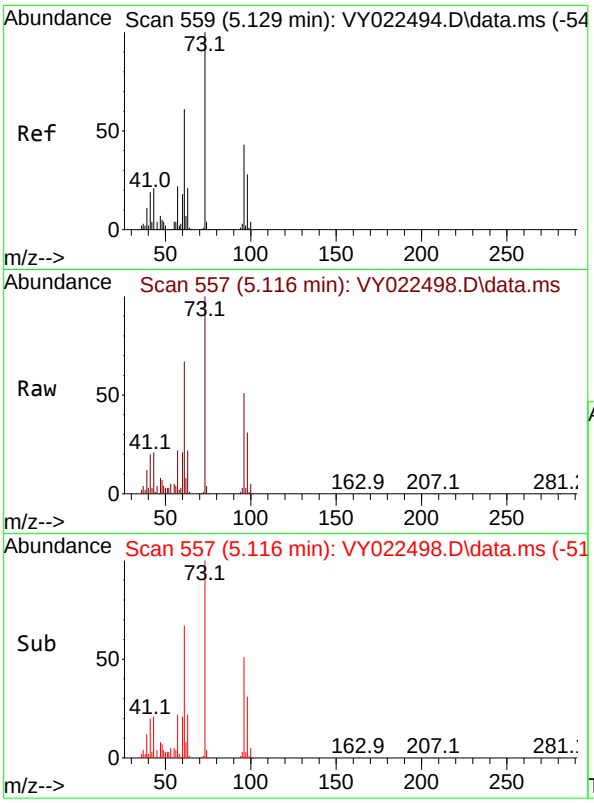


#18
Methyl Acetate
Concen: 38.935 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 43 Resp: 57416

Ion	Ratio	Lower	Upper
43	100		
74	25.6	19.8	29.6

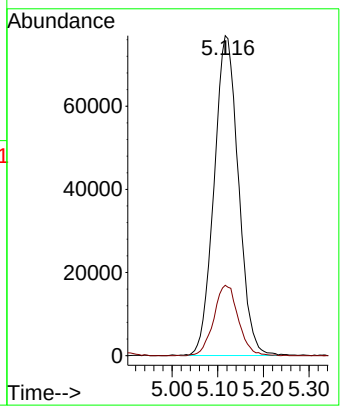




#19
Methyl tert-butyl Ether
Concen: 43.974 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 73 Resp: 28476

Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.4	26.0



Instrument :
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ClientSampleId :
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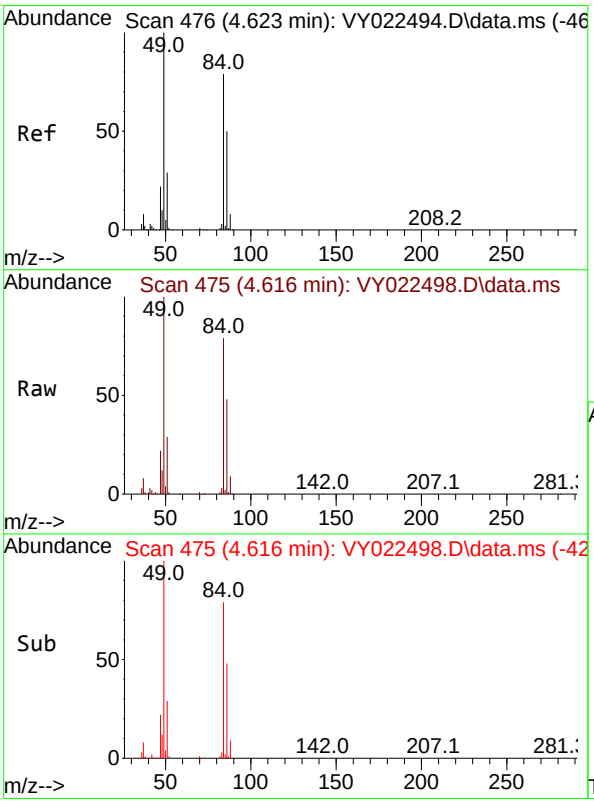
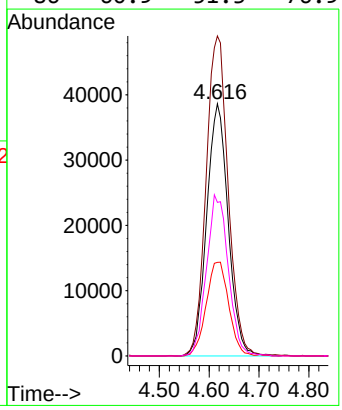
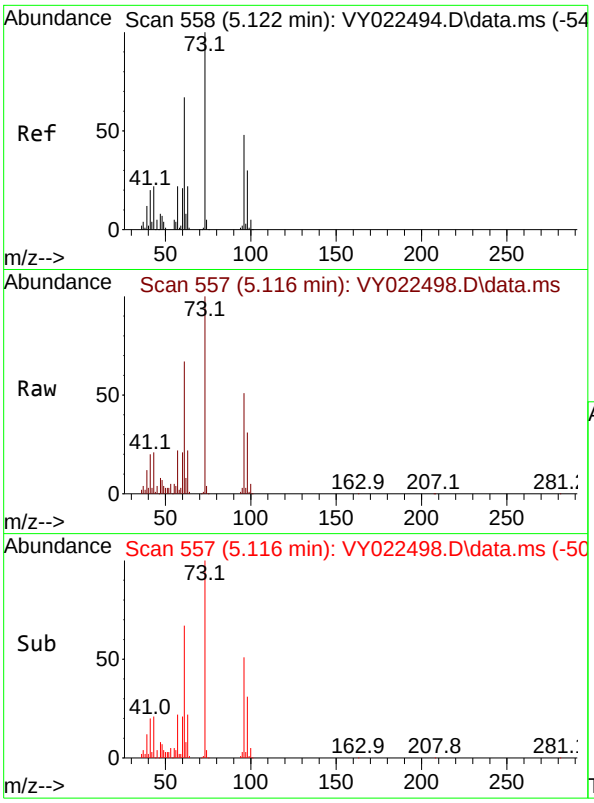


#20
Methylene Chloride
Concen: 40.875 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 84 Resp: 115624

Ion	Ratio	Lower	Upper
84	100		
49	126.9	101.9	152.9
51	37.1	29.8	44.8
86	60.9	51.3	76.9

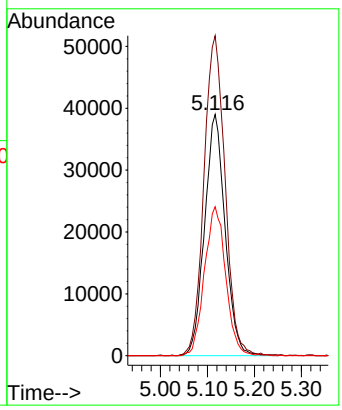




#21
trans-1,2-Dichloroethene
Concen: 46.024 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 96 Resp: 11842

Ion	Ratio	Lower	Upper
96	100		
61	132.6	112.6	169.0
98	61.8	50.6	75.8



Instrument :
MSVOA_Y
ClientSampleId :
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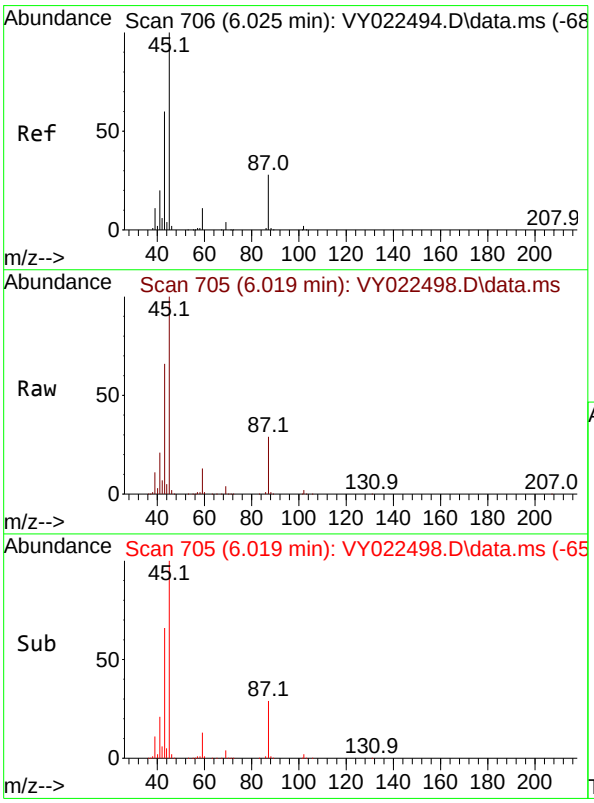
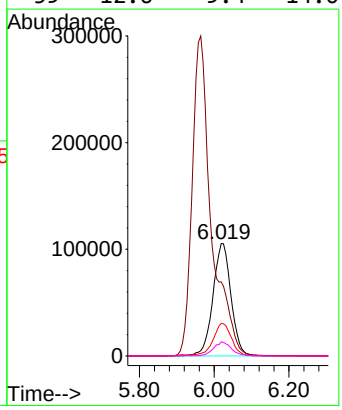
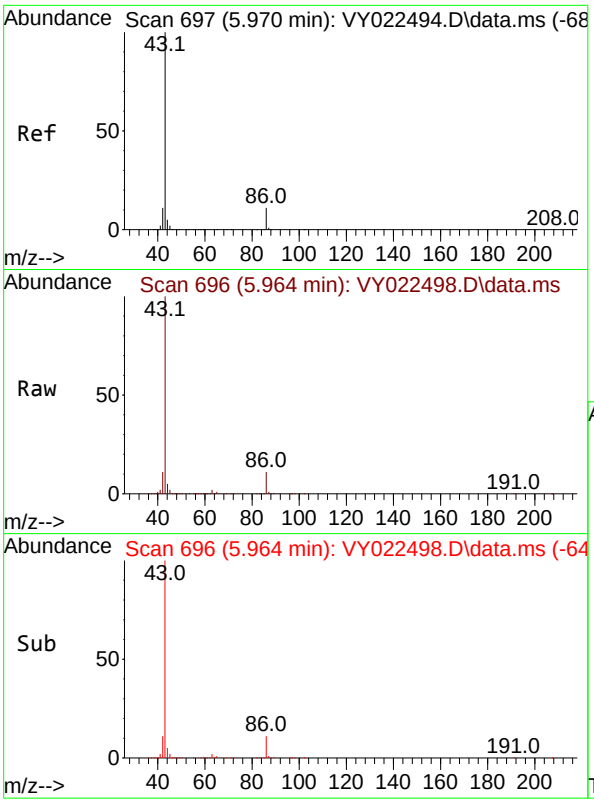


#22
Diisopropyl ether
Concen: 44.104 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 45 Resp: 354328

Ion	Ratio	Lower	Upper
45	100		
43	65.4	48.3	72.5
87	28.8	23.0	34.6
59	12.6	9.4	14.0





#23
Vinyl Acetate
Concen: 223.951 ug/l
RT: 5.964 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 43 Resp: 106489

Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.6	12.8

Instrument :
MSVOA_Y
ClientSampleId :
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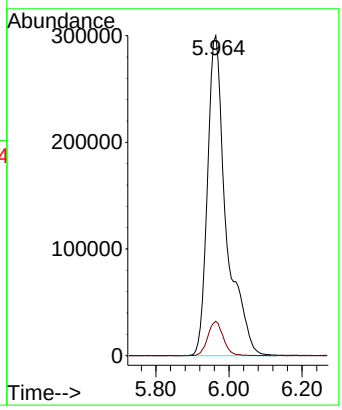
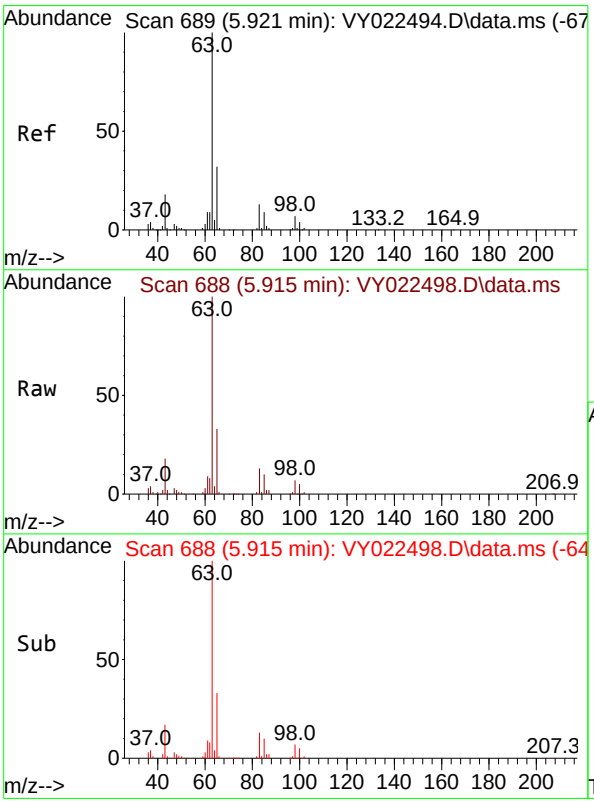
Supervised By :Mahesh Dadoda 06/03/2025

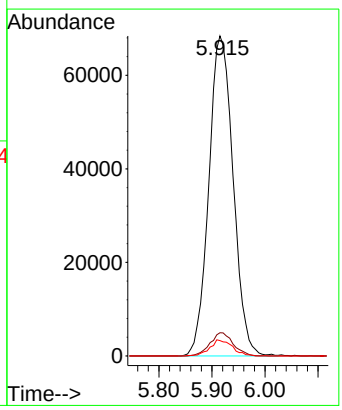


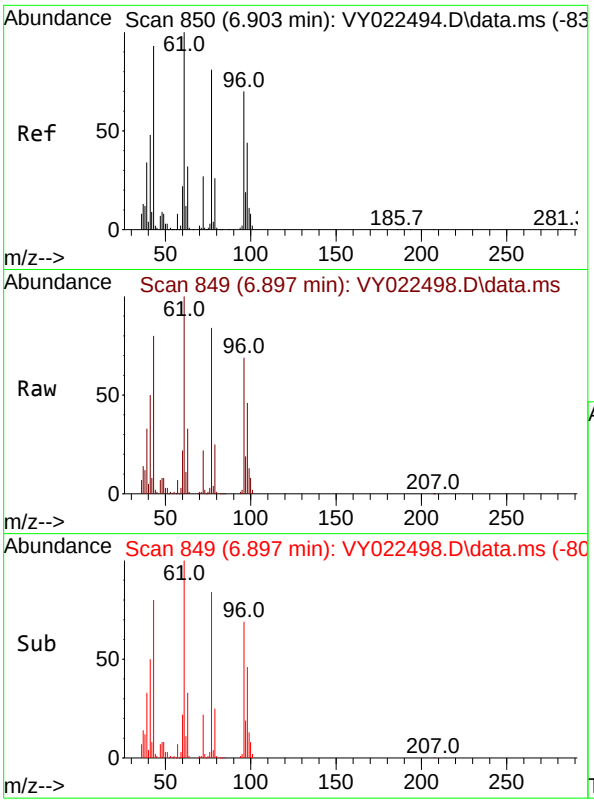


#24
1,1-Dichloroethane
Concen: 46.053 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 63 Resp: 217965

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.1
100	4.8	2.1	6.3





#25
2-Butanone
Concen: 220.736 ug/l
RT: 6.897 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 43 Resp: 15855

Ion	Ratio	Lower	Upper
43	100		
72	27.3	22.9	34.3

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

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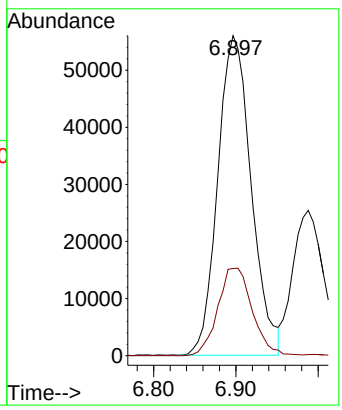
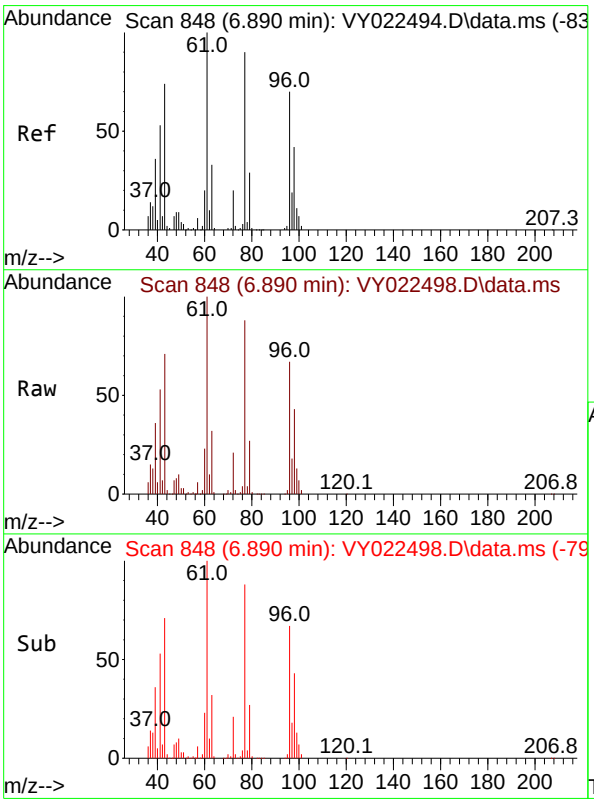
Supervised By :Mahesh Dadoda 06/03/2025

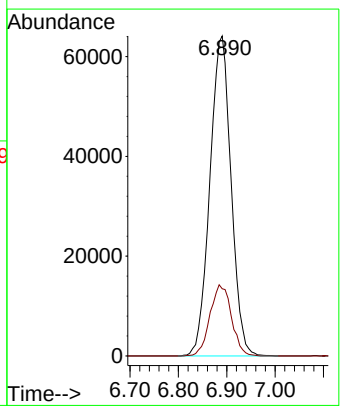


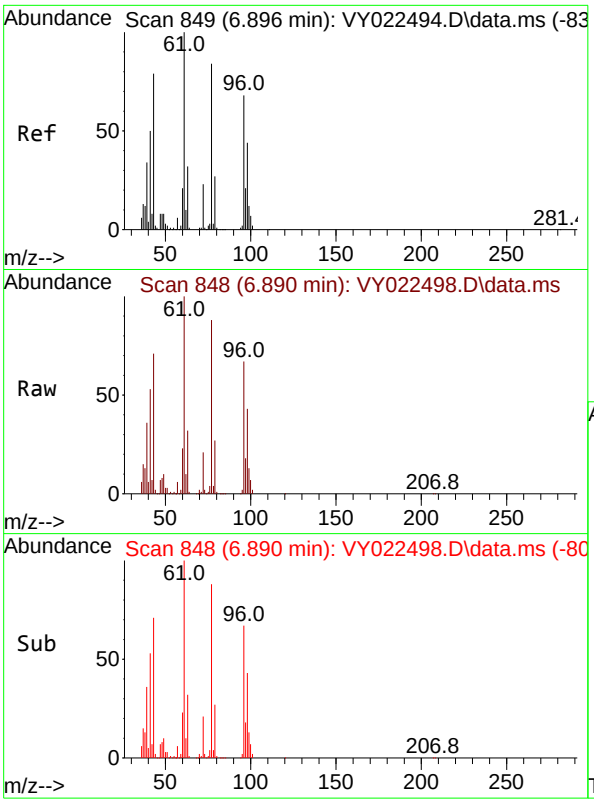


#26
2,2-Dichloropropane
Concen: 46.639 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 77 Resp: 195035

Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.4	34.2





#27
cis-1,2-Dichloroethene
Concen: 46.024 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 96 Resp: 13688

Ion	Ratio	Lower	Upper
96	100		
61	146.7	0.0	290.0
98	65.3	0.0	128.4

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

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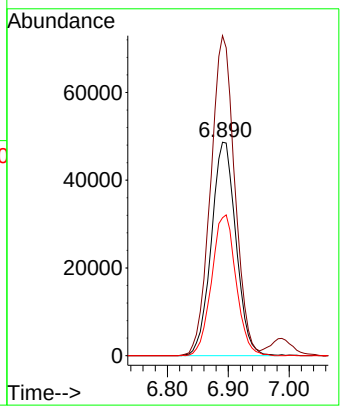
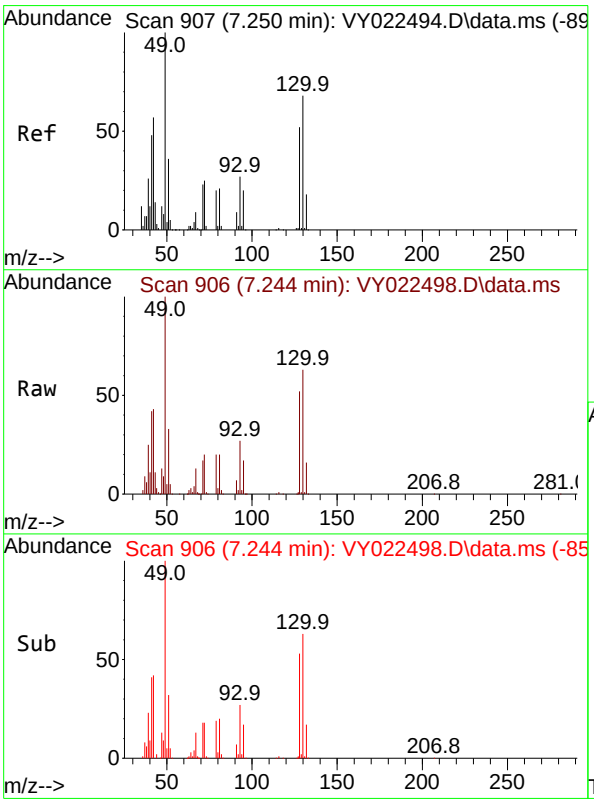
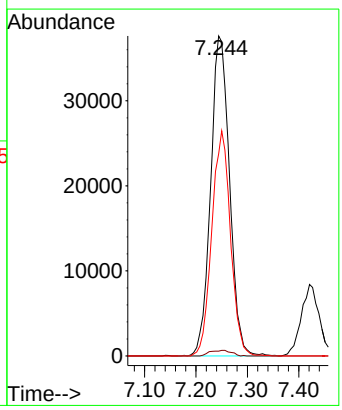


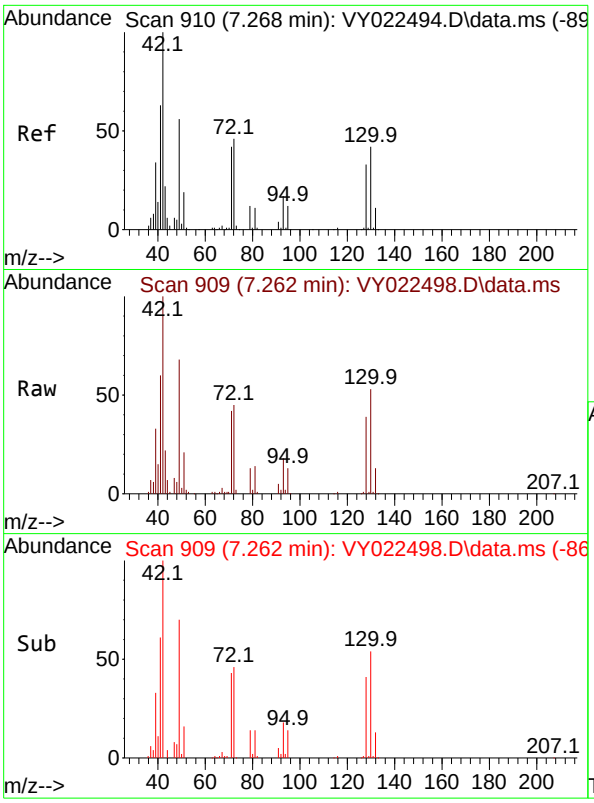


#28
Bromochloromethane
Concen: 46.547 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 49 Resp: 96031

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	69.6	55.7	83.5

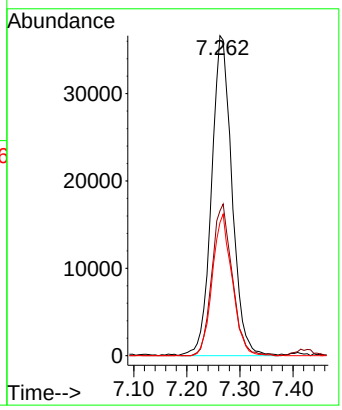




#29
Tetrahydrofuran
Concen: 211.767 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 42 Resp: 9810

Ion	Ratio	Lower	Upper
42	100		
72	46.9	37.4	56.2
71	42.7	34.2	51.2



Instrument :
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ClientSampleId :
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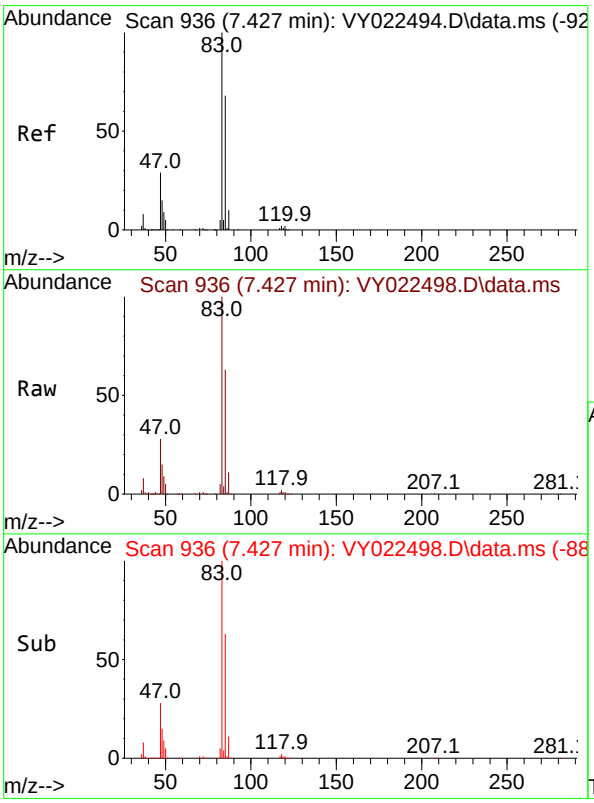
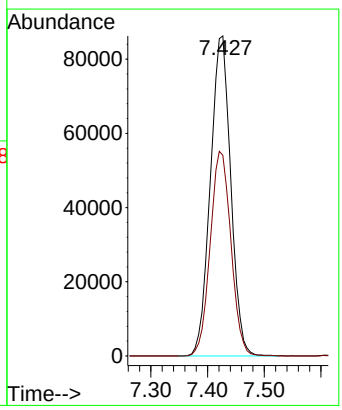
Supervised By :Mahesh Dadoda 06/03/2025

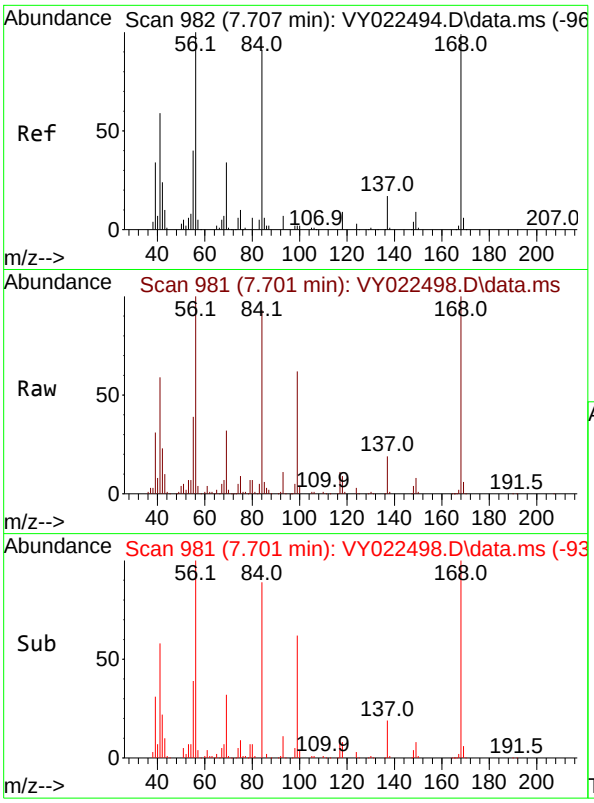


#30
Chloroform
Concen: 45.919 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 83 Resp: 215264

Ion	Ratio	Lower	Upper
83	100		
85	62.7	54.2	81.4





#31
Cyclohexane
Concen: 43.757 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 56 Resp: 20617

Ion	Ratio	Lower	Upper
56	100		
69	32.4	27.0	40.6
84	91.7	72.6	109.0

Instrument :
MSVOA_Y
ClientSampleId :
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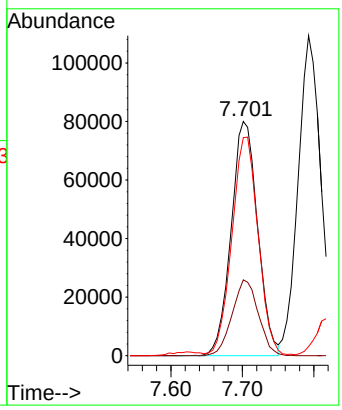
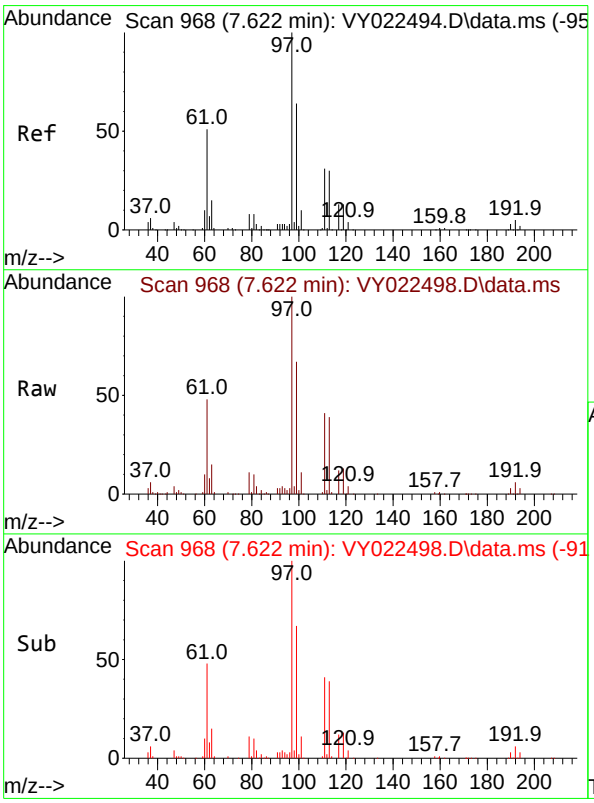
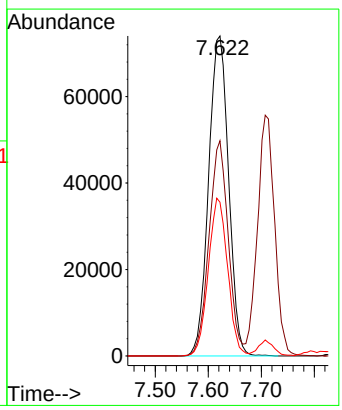


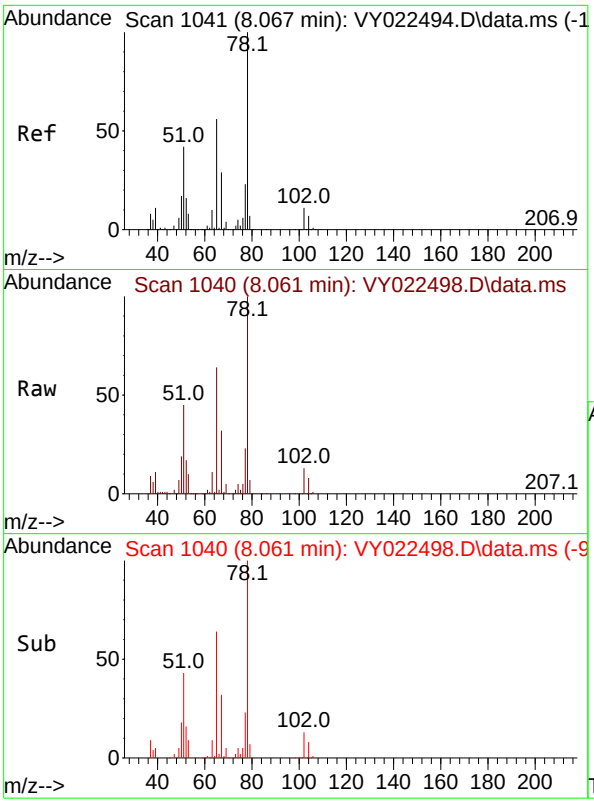


#32
1,1,1-Trichloroethane
Concen: 46.627 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 97 Resp: 194039

Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.9	76.3
61	47.8	38.5	57.7

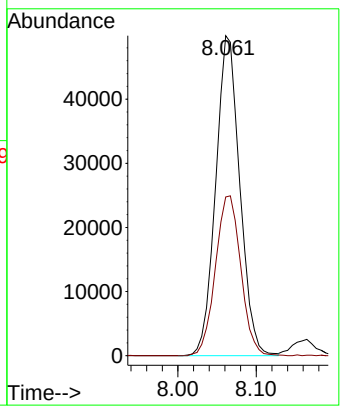




#33
1,2-Dichloroethane-d4
Concen: 43.538 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 65 Resp: 10675

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
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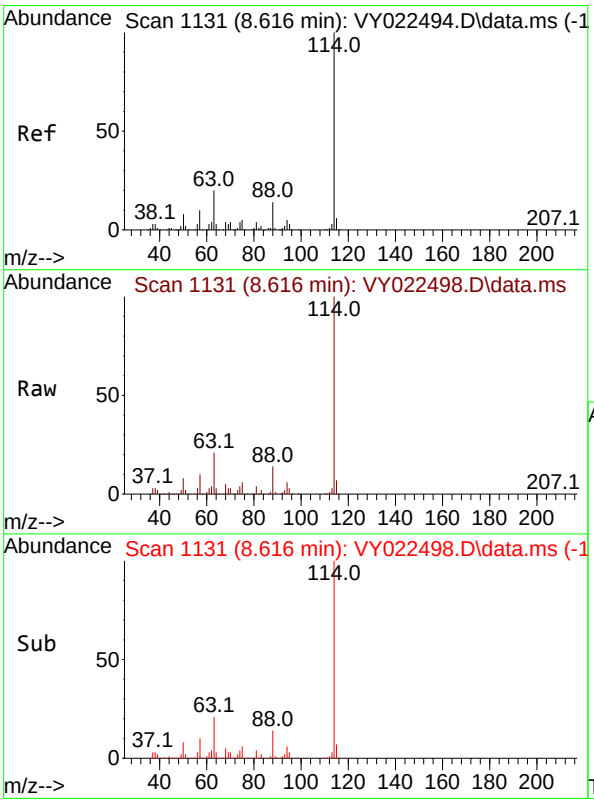
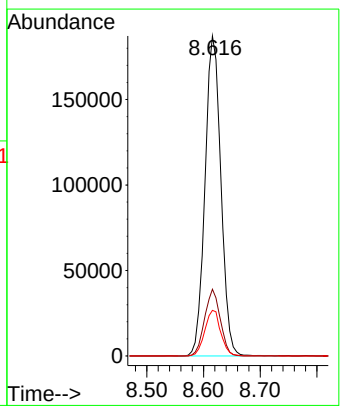
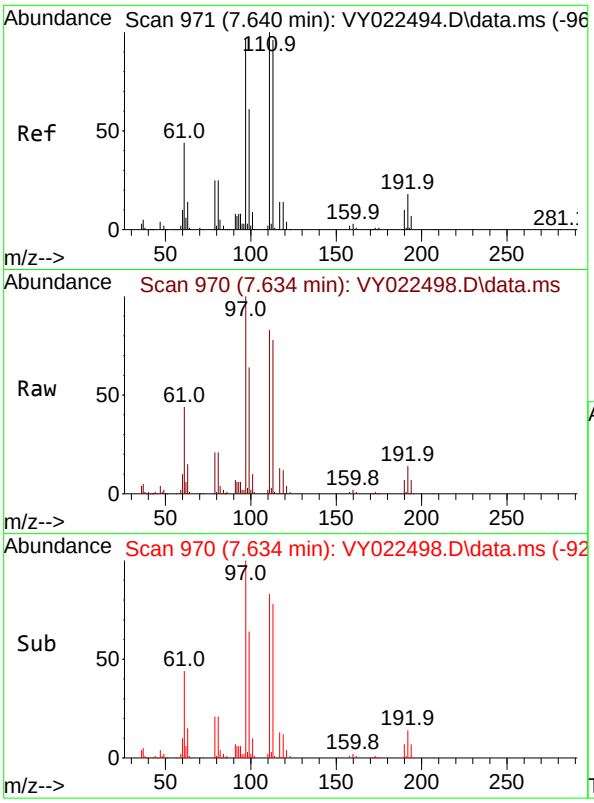


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:114 Resp: 365013

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	40.8
88	14.3	0.0	27.8





#35
Dibromofluoromethane
Concen: 46.676 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:113 Resp: 10169

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.1	121.7
192	18.4	14.2	21.2

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
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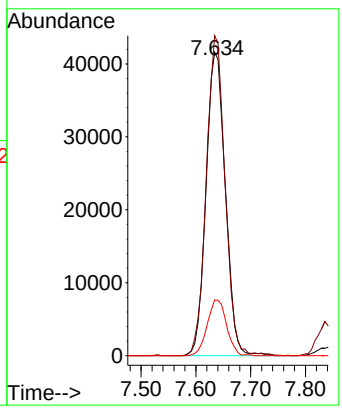
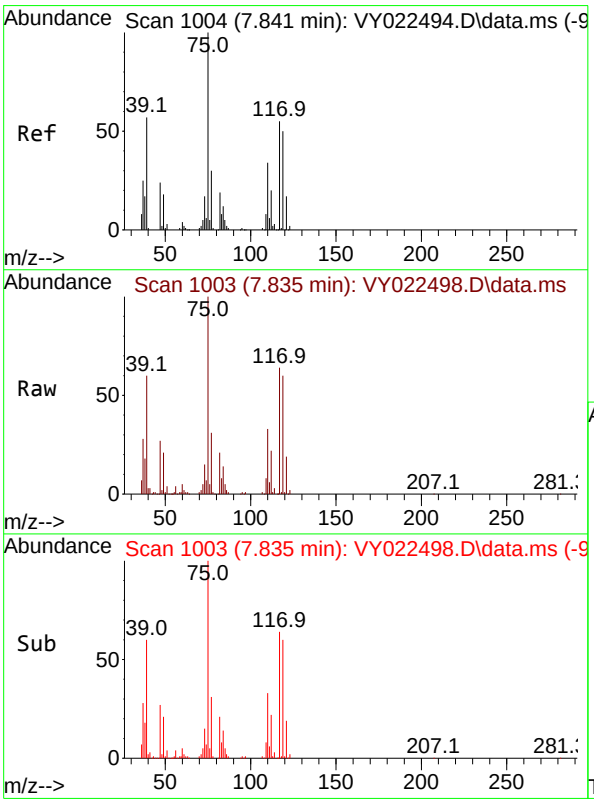
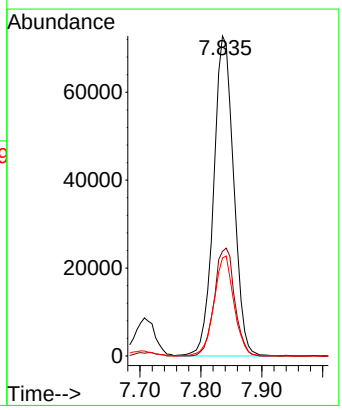


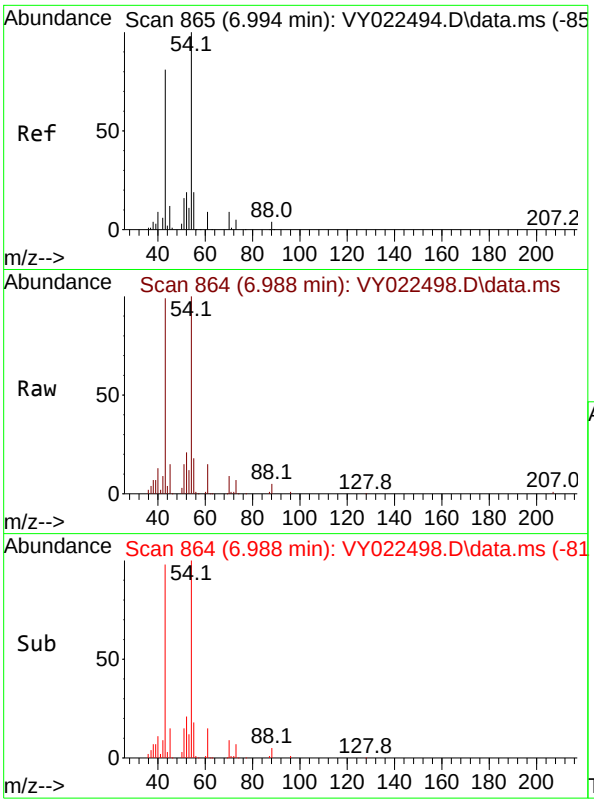


#36
1,1-Dichloropropene
Concen: 46.978 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 75 Resp: 166116

Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.9	50.7
77	31.2	24.8	37.2





#37
Ethyl Acetate
Concen: 43.605 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 43 Resp: 6876

Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.5	17.3
70	10.1	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
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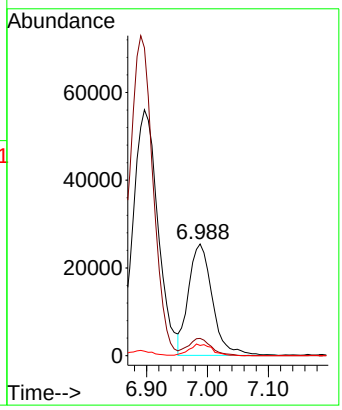
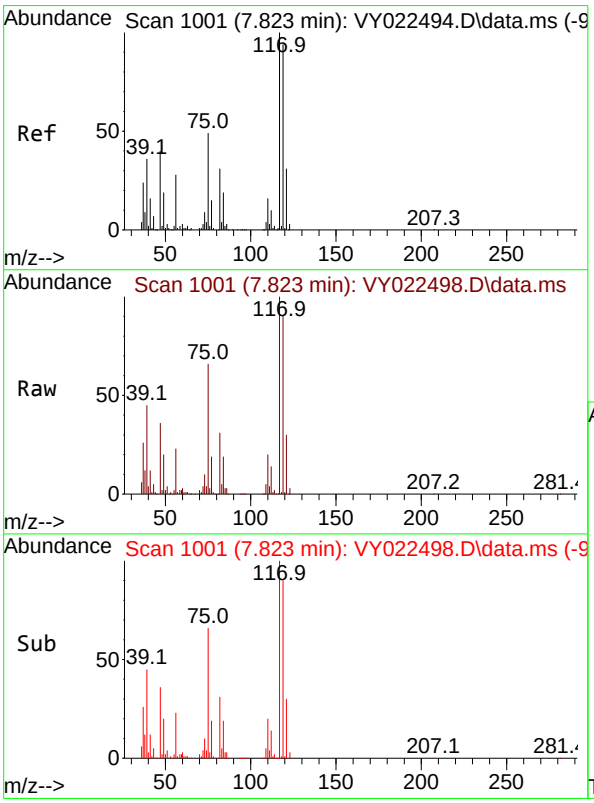
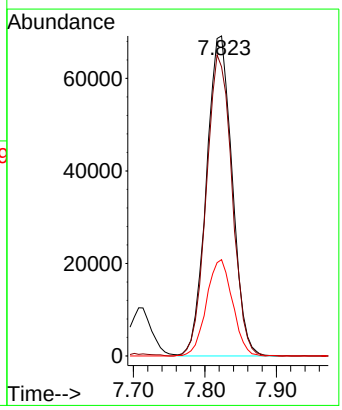


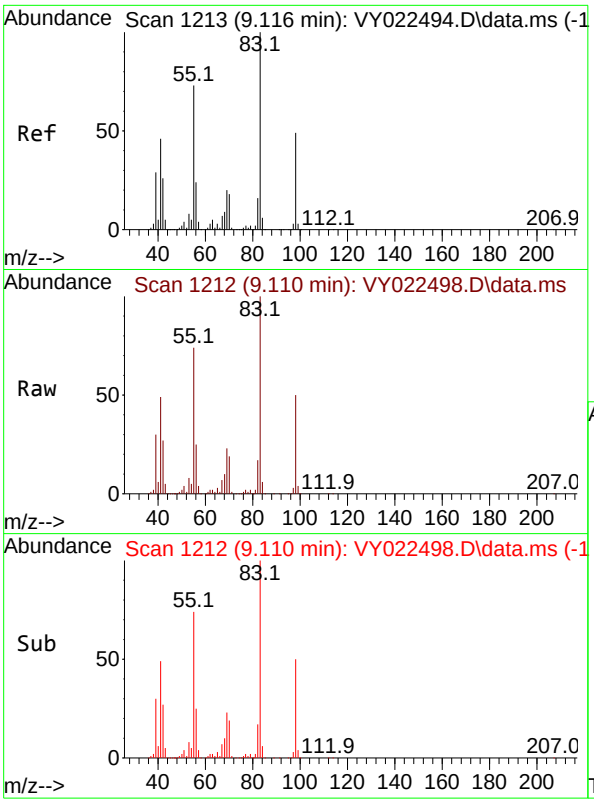


#38
Carbon Tetrachloride
Concen: 47.747 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:117 Resp: 173199

Ion	Ratio	Lower	Upper
117	100		
119	90.3	75.0	112.6
121	30.1	25.0	37.4





#39
Methylcyclohexane
Concen: 46.923 ug/l
RT: 9.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 83 Resp: 22297

Ion	Ratio	Lower	Upper
83	100		
55	73.7	58.1	87.1
98	49.9	39.0	58.6

Instrument :
MSVOA_Y
ClientSampleId :
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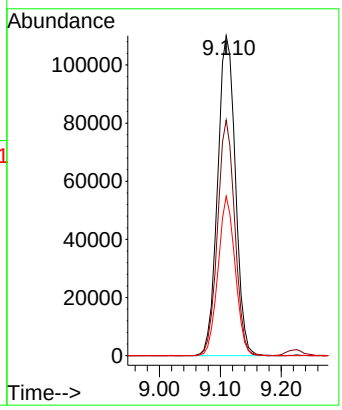
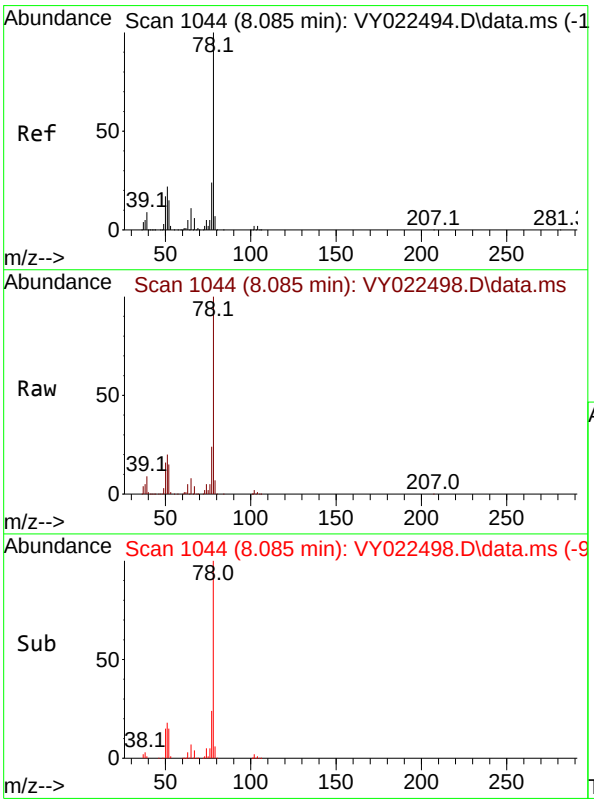
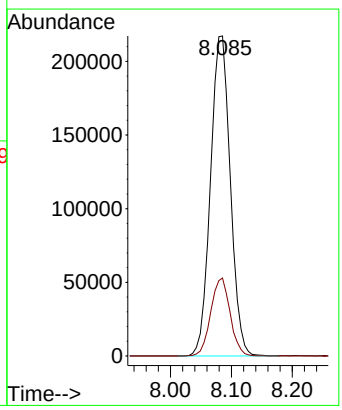


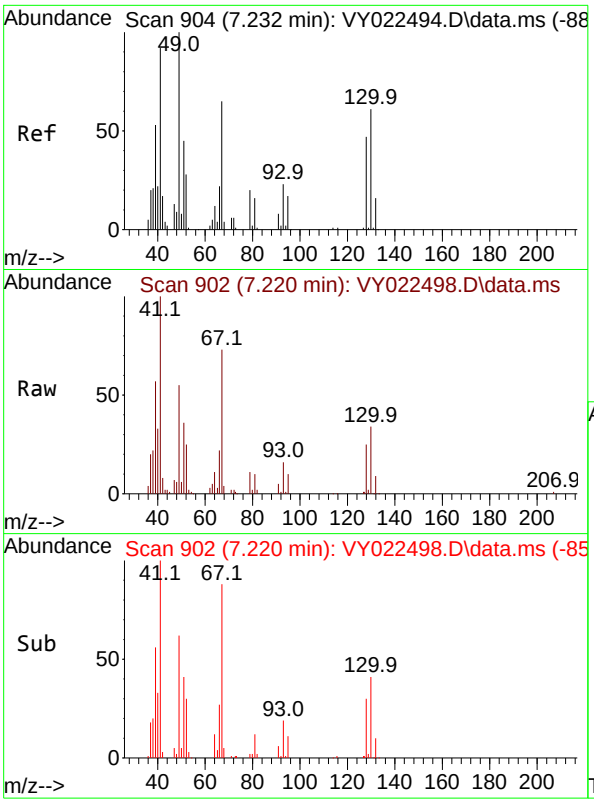


#40
Benzene
Concen: 47.020 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 78 Resp: 491078

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.3	28.9

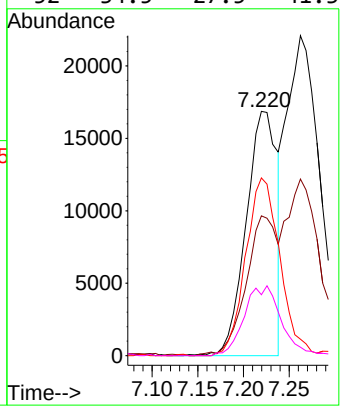




#41
Methacrylonitrile
Concen: 43.134 ug/l
RT: 7.220 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 41 Resp: 3973

Ion	Ratio	Lower	Upper
41	100		
39	57.3	46.6	69.8
67	80.2	63.3	94.9
52	34.5	27.5	41.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

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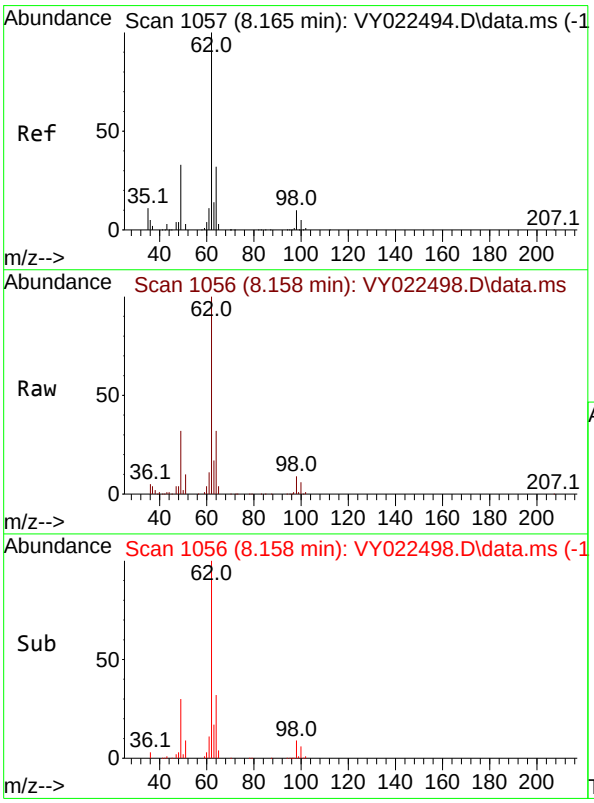
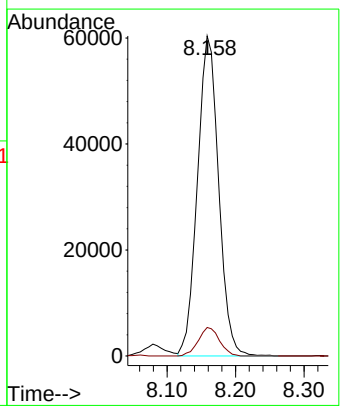
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

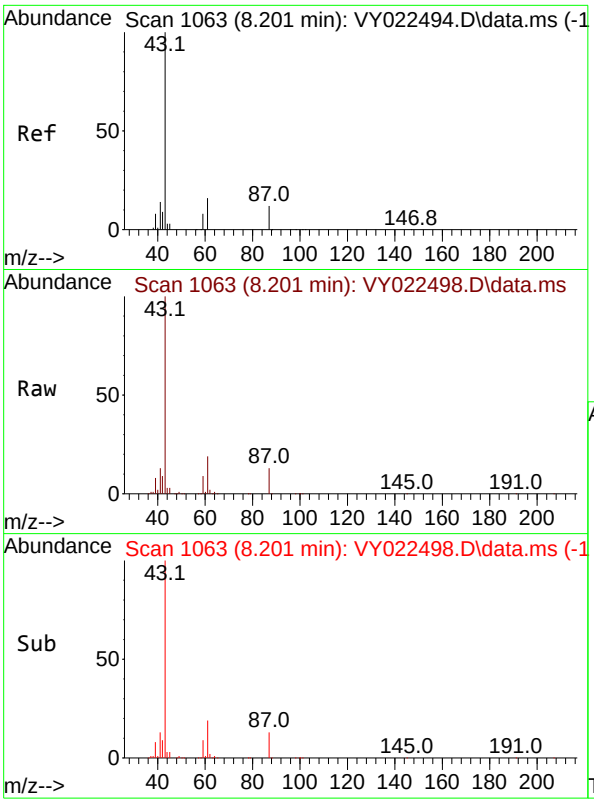


#42
1,2-Dichloroethane
Concen: 45.644 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 62 Resp: 130161

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	19.2

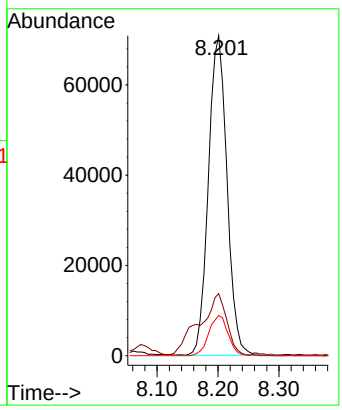




#43
Isopropyl Acetate
Concen: 44.122 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 43 Resp: 15026

Ion	Ratio	Lower	Upper
43	100		
61	28.6	15.6	23.4
87	13.0	10.2	15.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

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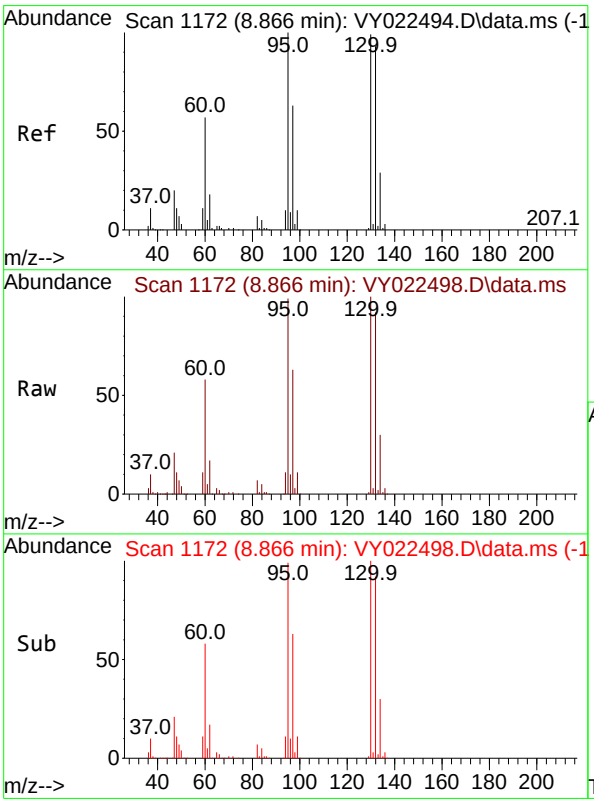
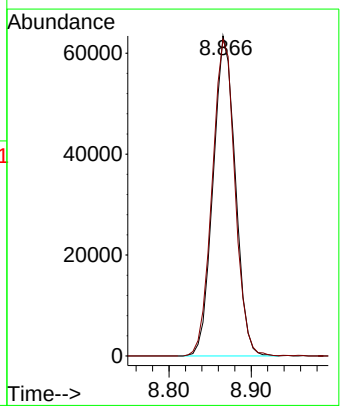
Supervised By :Mahesh Dadoda 06/03/2025

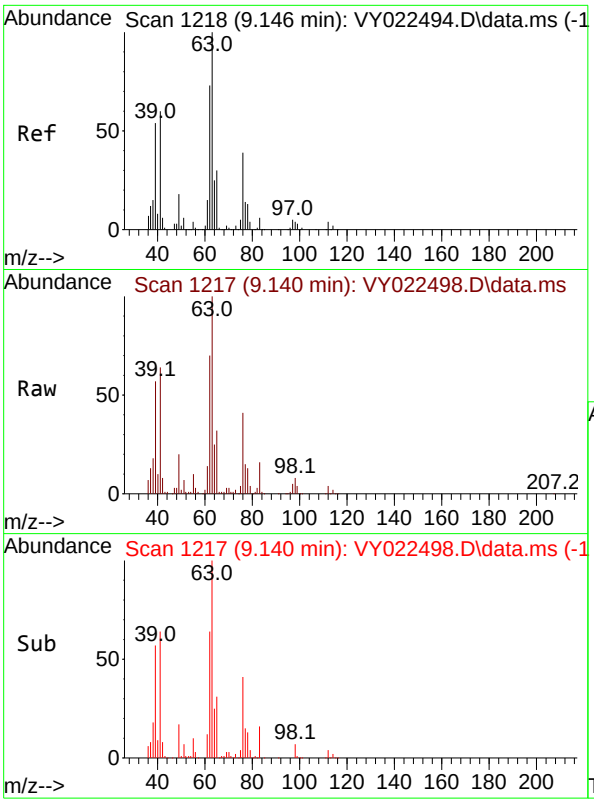


#44
Trichloroethene
Concen: 46.609 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:130 Resp: 118971

Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	203.0

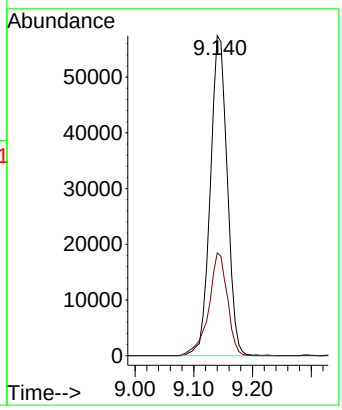




#45
1,2-Dichloropropane
Concen: 46.587 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 63 Resp: 11498

Ion	Ratio	Lower	Upper
63	100		
65	32.1	24.0	36.0



Instrument :
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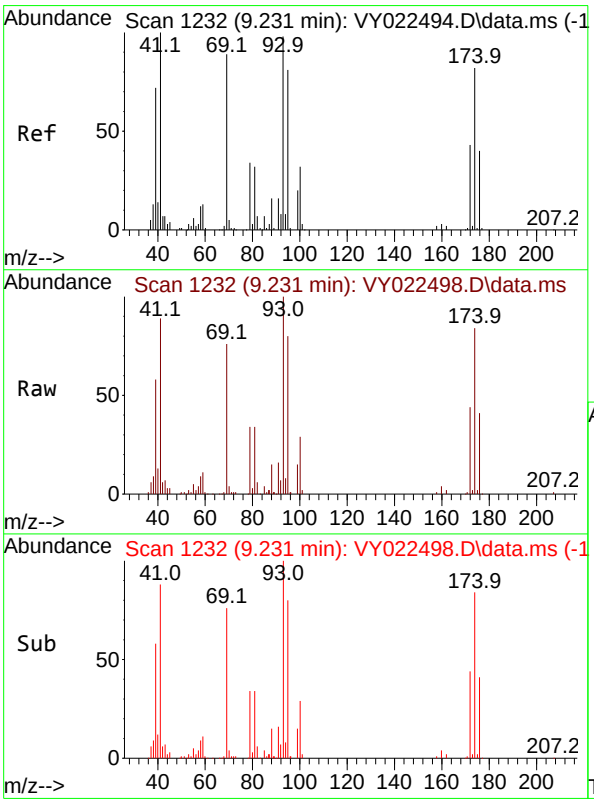
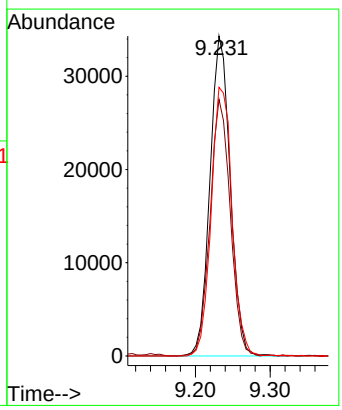
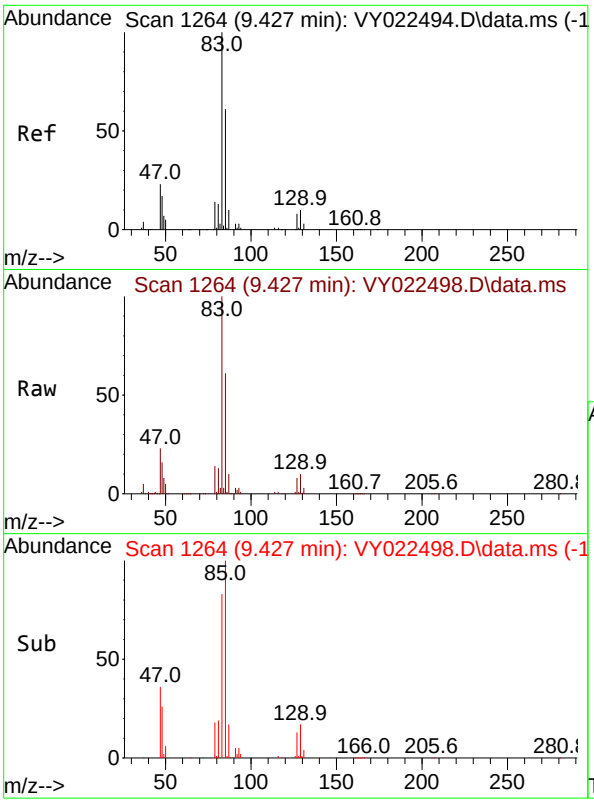


#46
Dibromomethane
Concen: 46.430 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 93 Resp: 64473

Ion	Ratio	Lower	Upper
93	100		
95	80.2	65.6	98.4
174	86.4	70.4	105.6

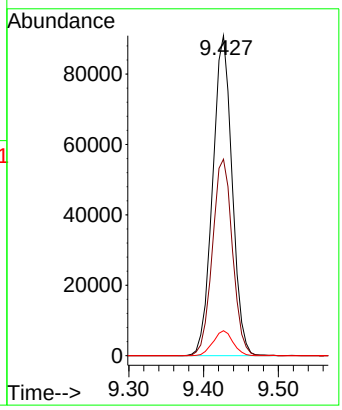




#47
Bromodichloromethane
Concen: 46.825 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 83 Resp: 16487

Ion	Ratio	Lower	Upper
83	100		
85	61.4	49.1	73.7
127	7.8	6.2	9.4



Instrument :
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ClientSampleId :
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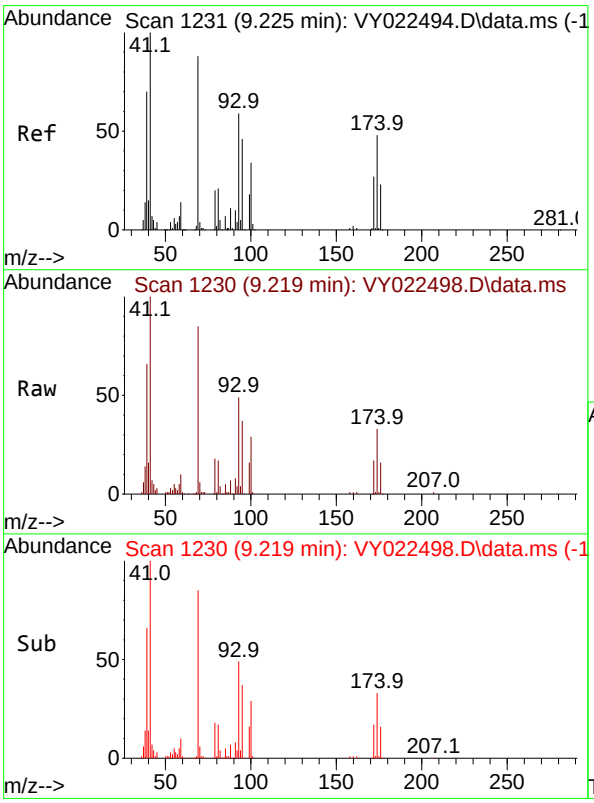
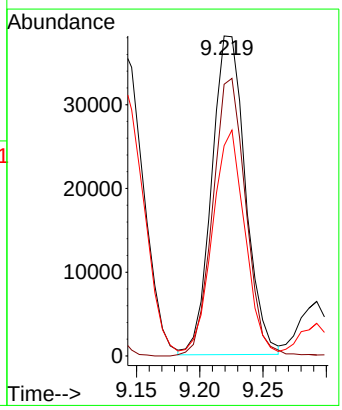
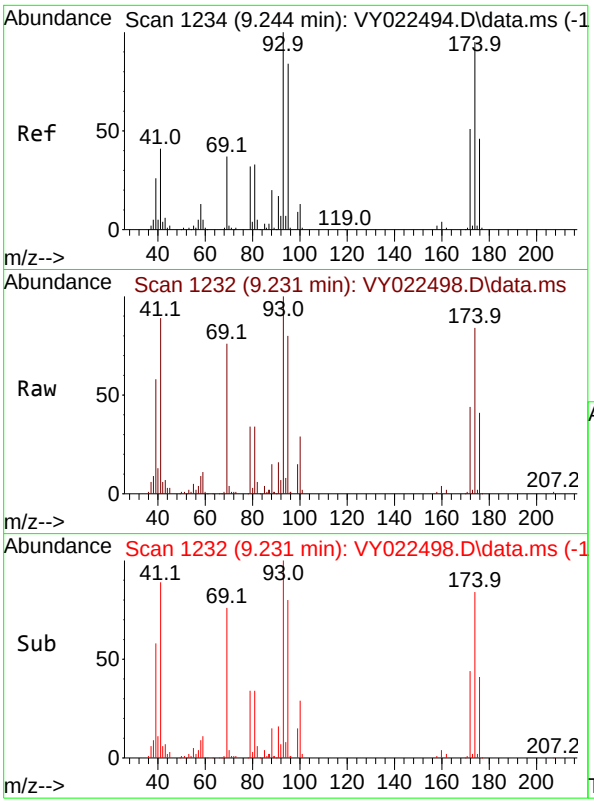


#48
Methyl methacrylate
Concen: 44.198 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 41 Resp: 70644

Ion	Ratio	Lower	Upper
41	100		
69	85.1	67.8	101.8
39	65.9	55.0	82.4





#49
1,4-Dioxane
Concen: 816.553 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 88 Resp: 1343

Ion	Ratio	Lower	Upper
88	100		
43	39.1	25.4	38.2
58	67.7	54.9	82.3

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

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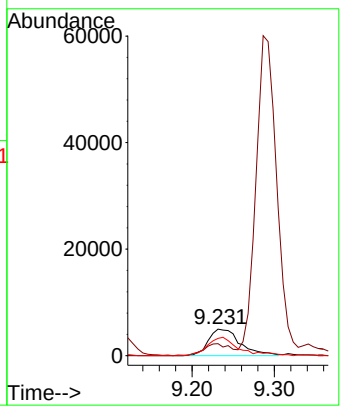
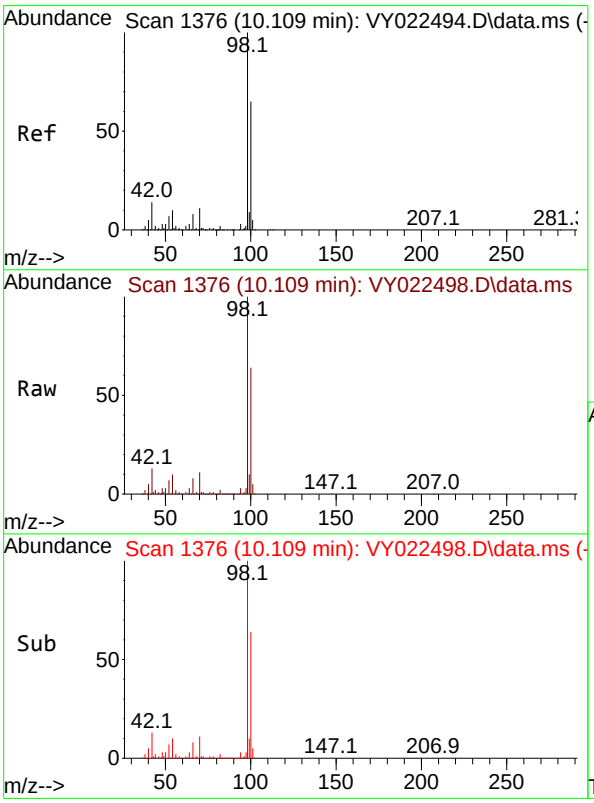
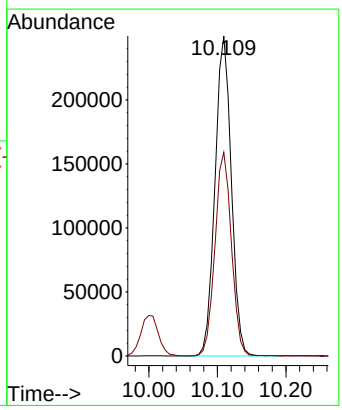


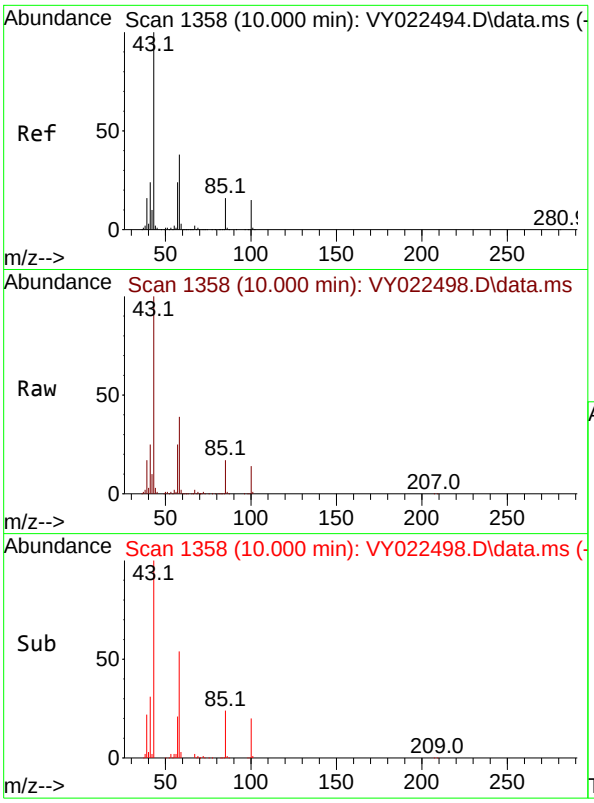


#50
Toluene-d8
Concen: 46.760 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 98 Resp: 411640

Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.4	77.0

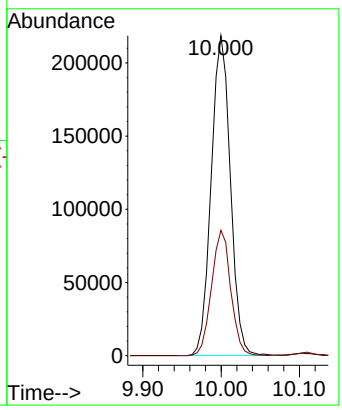




#51
4-Methyl-2-Pentanone
Concen: 219.250 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 43 Resp: 37227

Ion	Ratio	Lower	Upper
43	100		
58	39.2	30.4	45.6



Instrument :
MSVOA_Y
ClientSampleId :
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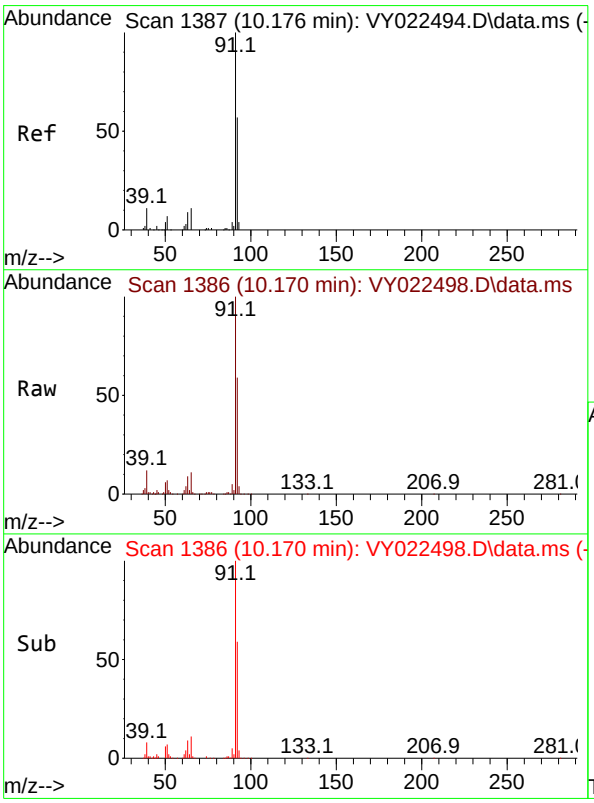
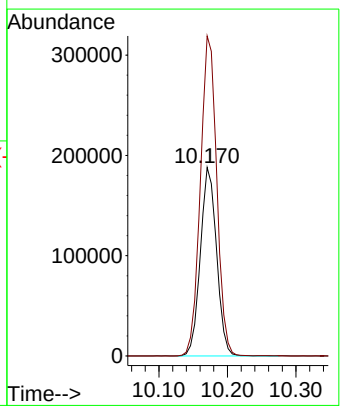
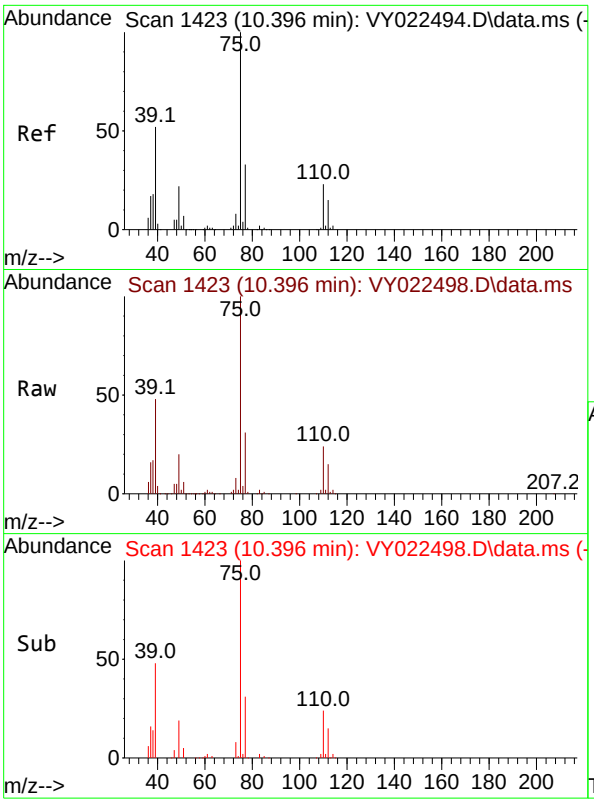


#52
Toluene
Concen: 47.137 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 92 Resp: 309375

Ion	Ratio	Lower	Upper
92	100		
91	171.7	139.0	208.4

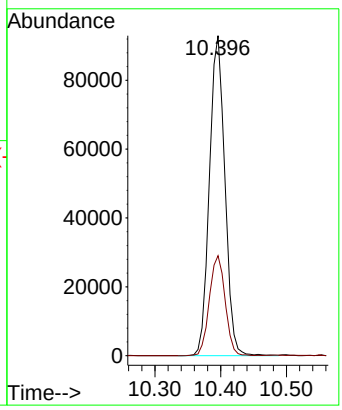




#53
t-1,3-Dichloropropene
Concen: 46.094 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 75 Resp: 15206

Ion	Ratio	Lower	Upper
75	100		
77	31.2	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

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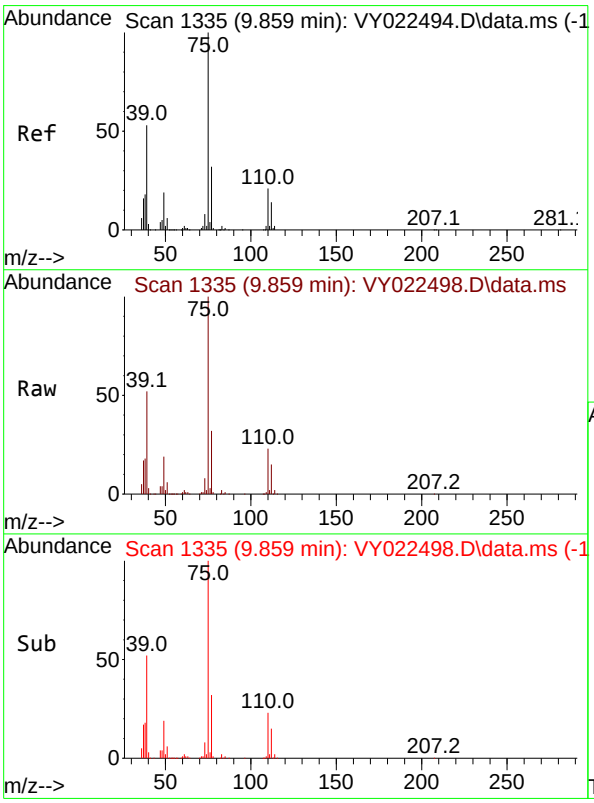
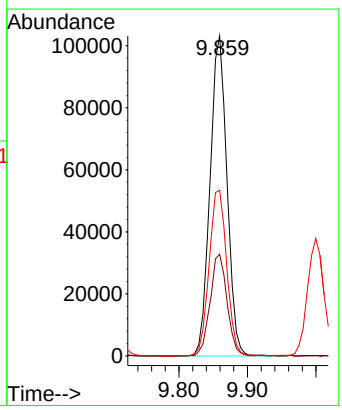
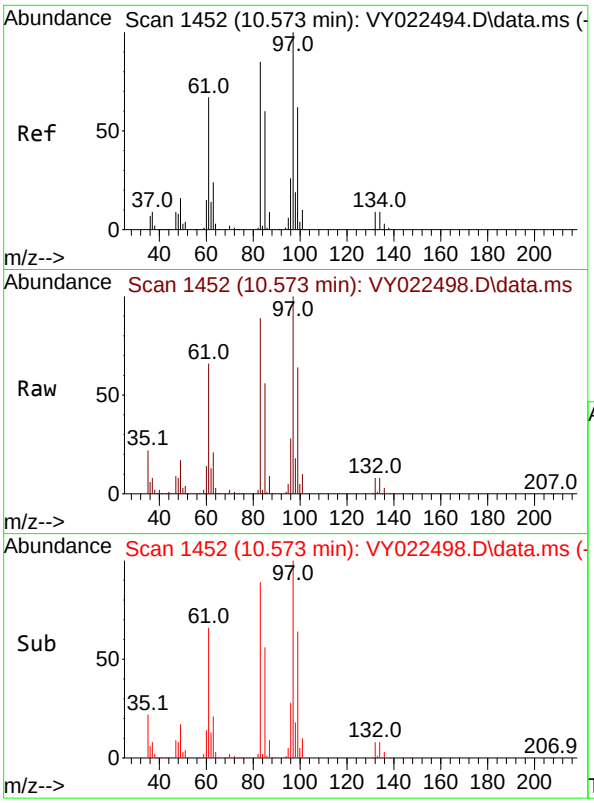


#54
cis-1,3-Dichloropropene
Concen: 46.206 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 75 Resp: 177445

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.3	37.9
39	51.6	42.7	64.1

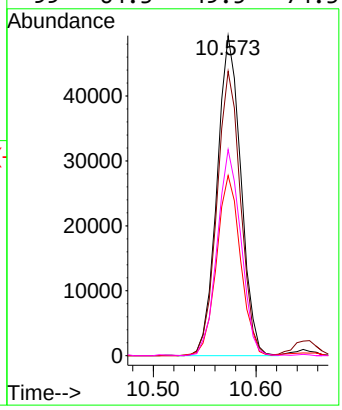




#55
1,1,2-Trichloroethane
Concen: 44.953 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 97 Resp: 7959

Ion	Ratio	Lower	Upper
97	100		
83	88.8	68.1	102.1
85	56.3	48.2	72.2
99	64.3	49.5	74.3



Instrument :
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ClientSampleId :
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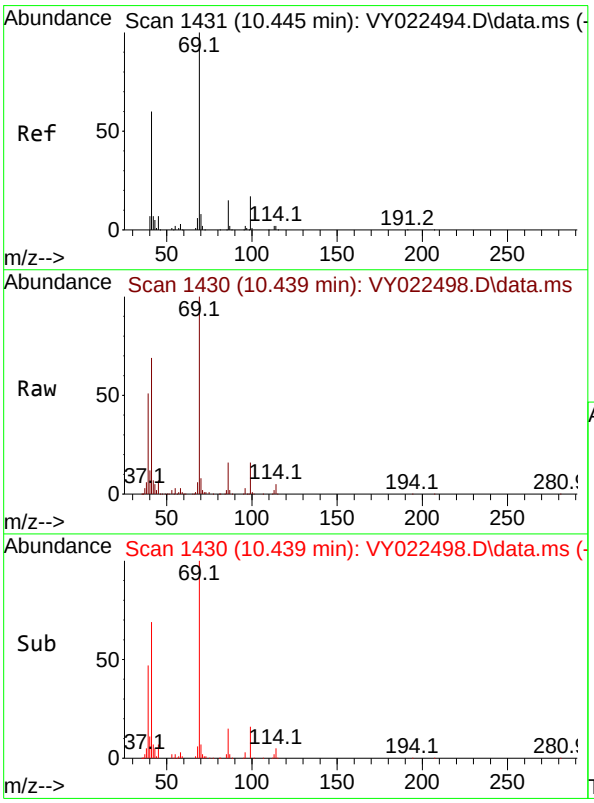
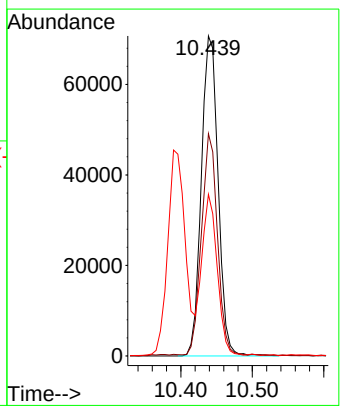
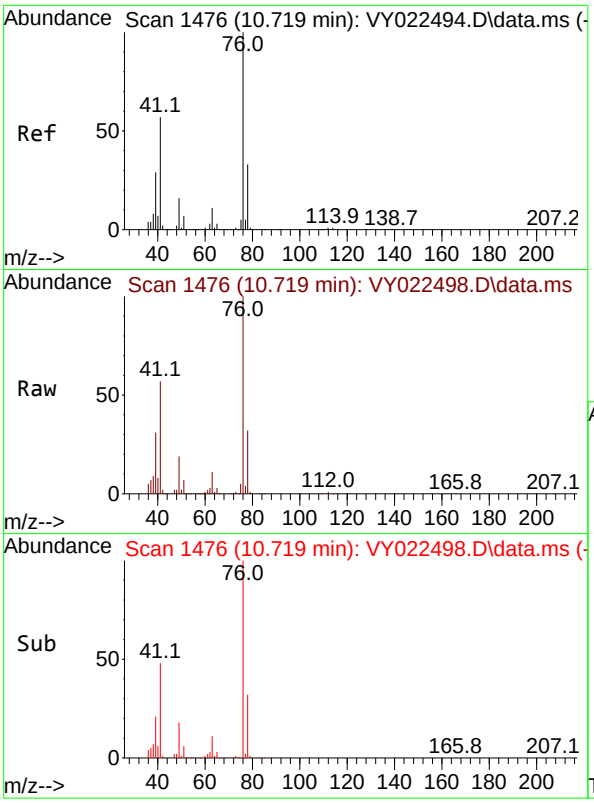


#56
Ethyl methacrylate
Concen: 45.029 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 69 Resp: 115237

Ion	Ratio	Lower	Upper
69	100		
41	65.8	52.2	78.2
39	45.6	36.7	55.1

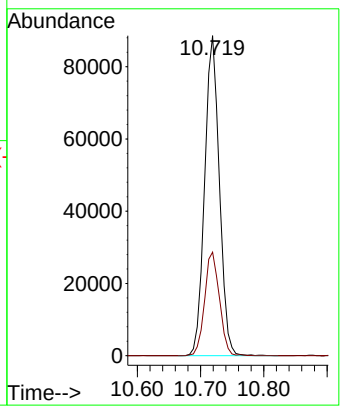




#57
1,3-Dichloropropane
Concen: 45.696 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 76 Resp: 14340

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

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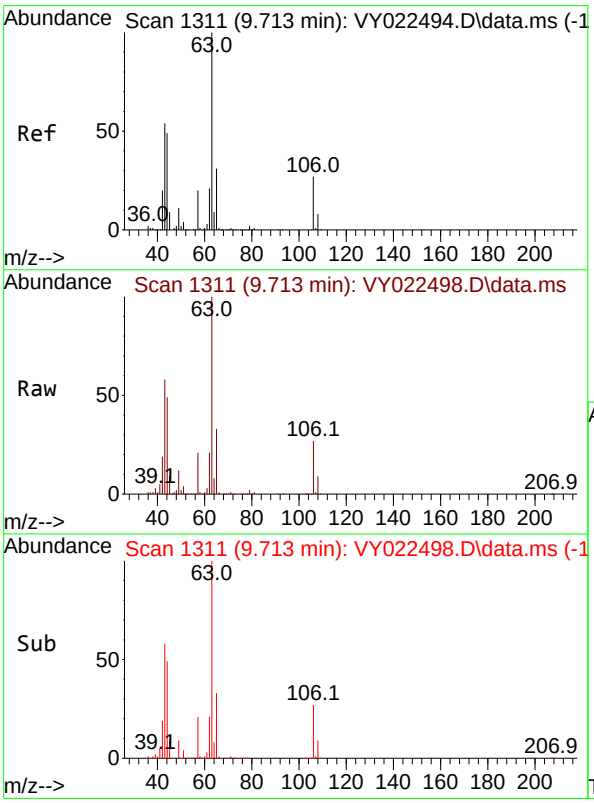
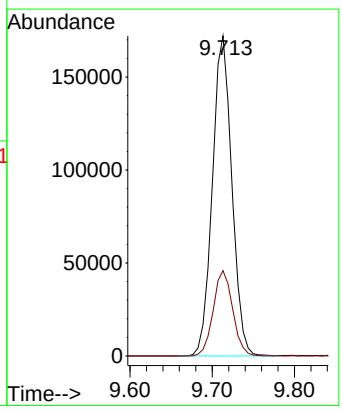
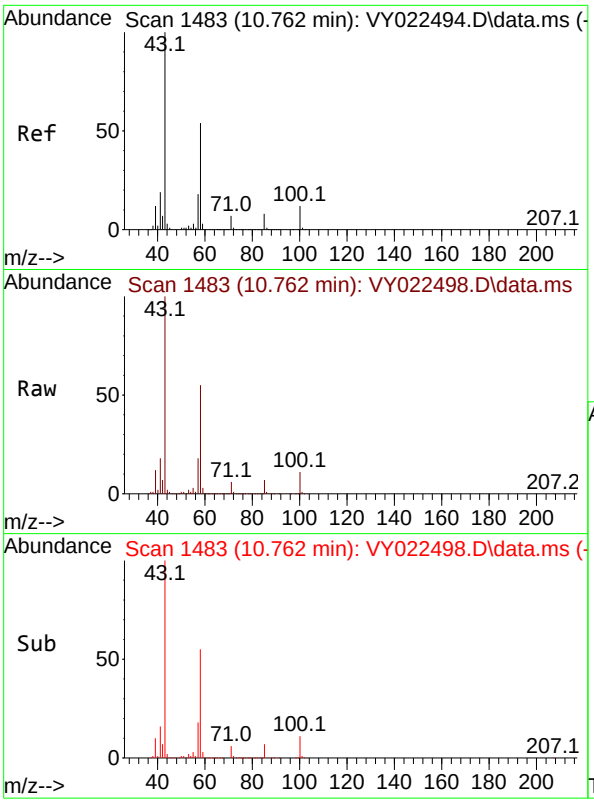


#58
2-Chloroethyl Vinyl ether
Concen: 243.746 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 63 Resp: 283213

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.6	32.4

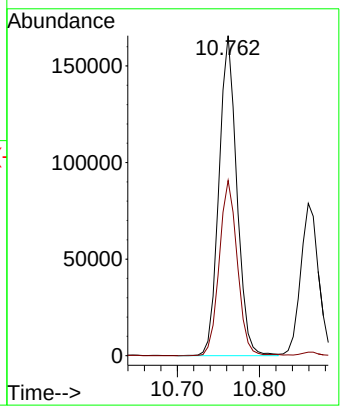




#59
2-Hexanone
Concen: 220.088 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 43 Resp: 24992

Ion	Ratio	Lower	Upper
43	100		
58	55.5	27.3	81.8



Instrument :
MSVOA_Y
ClientSampleId :
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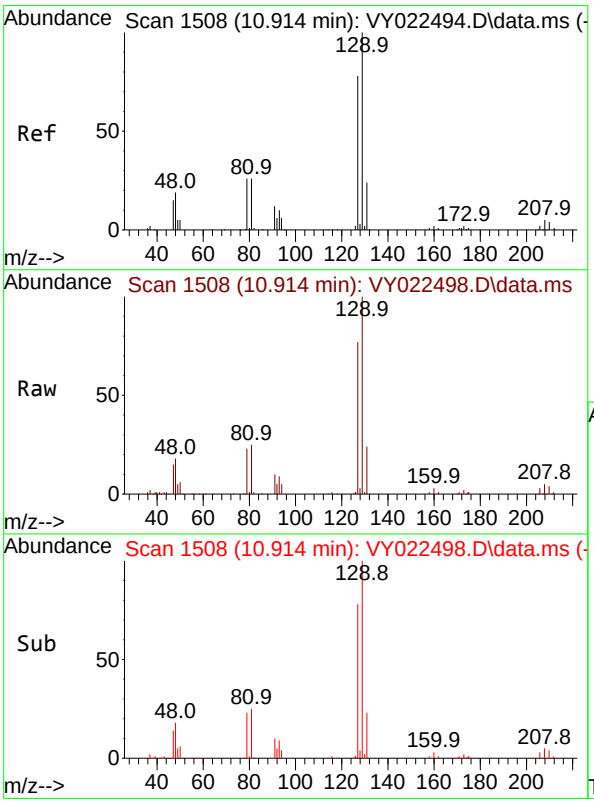
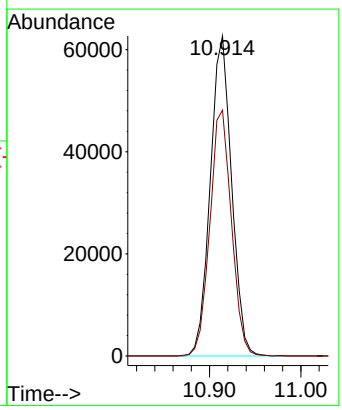
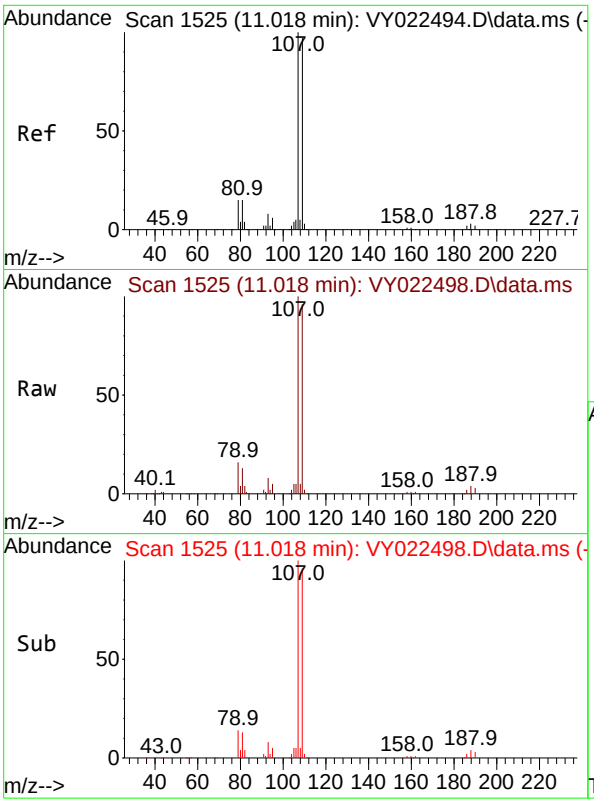


#60
Dibromochloromethane
Concen: 45.114 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:129 Resp: 101515

Ion	Ratio	Lower	Upper
129	100		
127	77.7	39.1	117.2

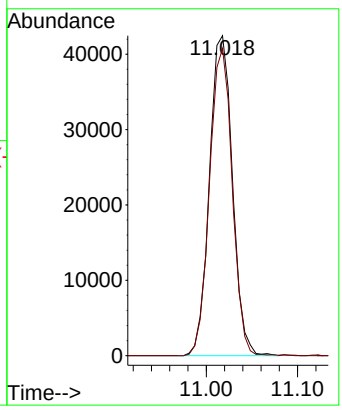




#61
1,2-Dibromoethane
Concen: 45.960 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:107 Resp: 7417

Ion	Ratio	Lower	Upper
107	100		
109	94.5	77.7	116.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

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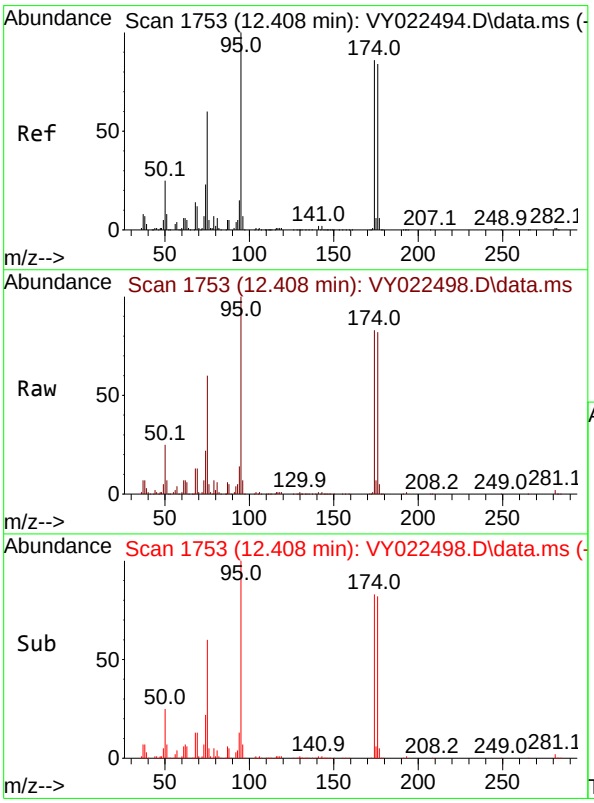
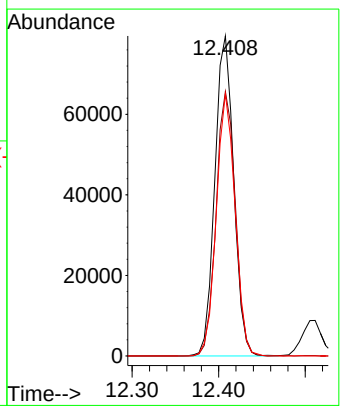
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

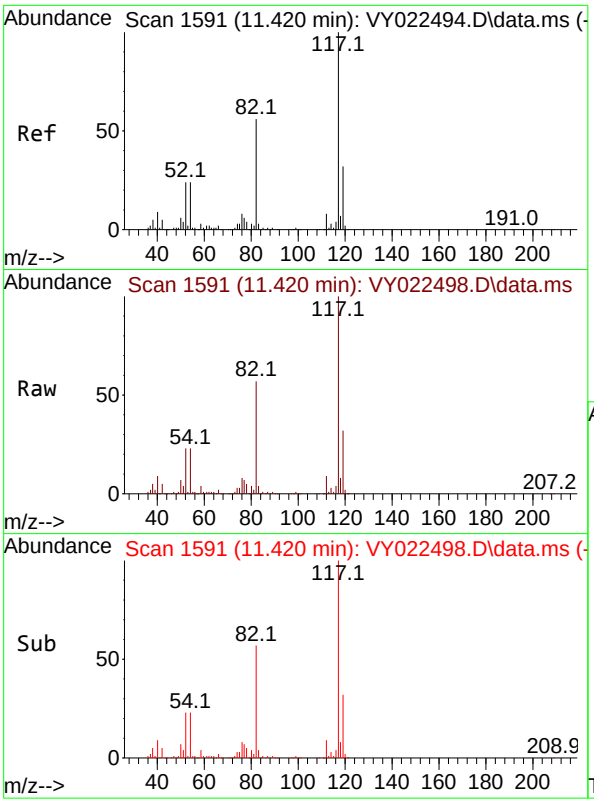


#62
4-Bromofluorobenzene
Concen: 45.847 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 95 Resp: 120253

Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	170.0
176	81.5	0.0	166.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:117 Resp: 31226

Ion	Ratio	Lower	Upper
117	100		
82	56.6	44.6	66.8
119	32.0	25.4	38.0

Instrument :
MSVOA_Y
ClientSampleId :
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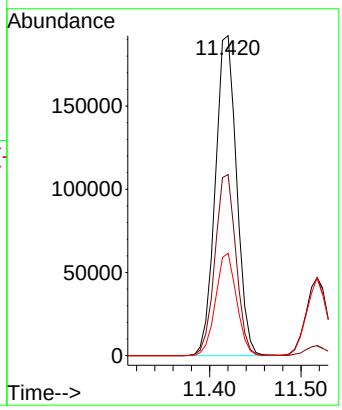
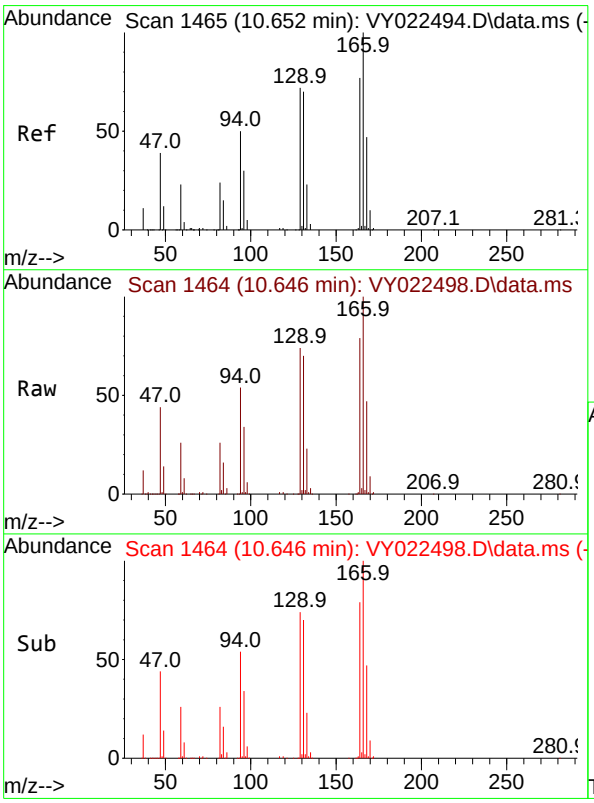
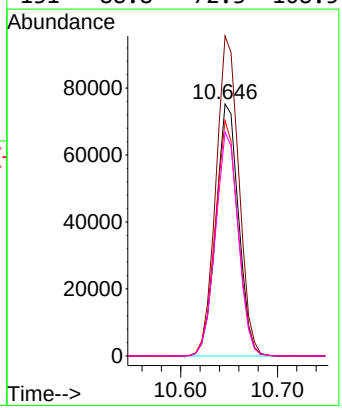


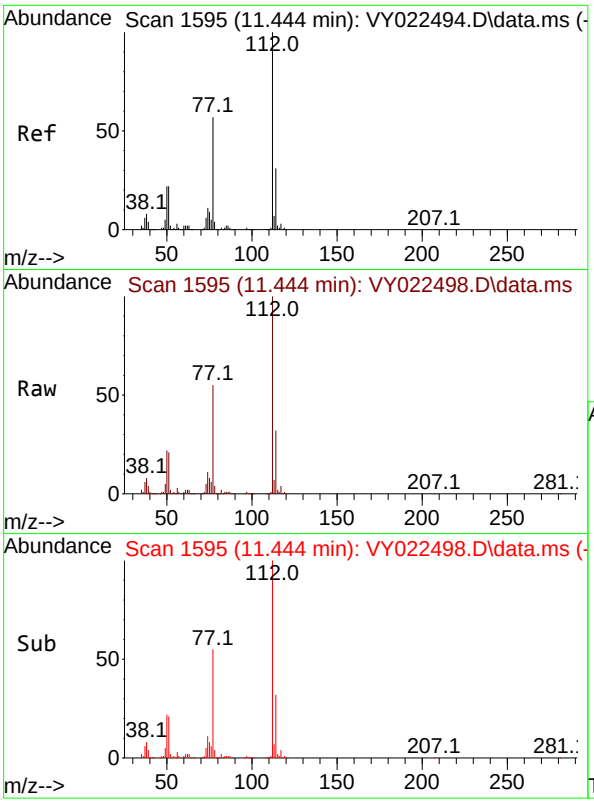


#64
Tetrachloroethene
Concen: 45.398 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:164 Resp: 121944

Ion	Ratio	Lower	Upper
164	100		
166	127.0	104.0	156.0
129	93.4	74.5	111.7
131	88.8	72.3	108.5

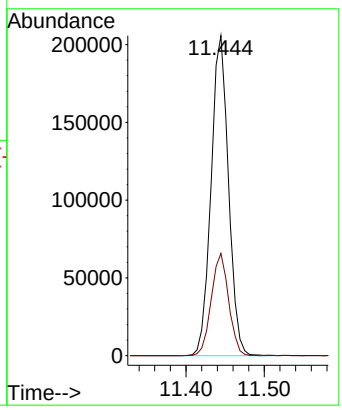




#65
Chlorobenzene
Concen: 45.953 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:112 Resp: 31753

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.0	37.6



Instrument :
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ClientSampleId :
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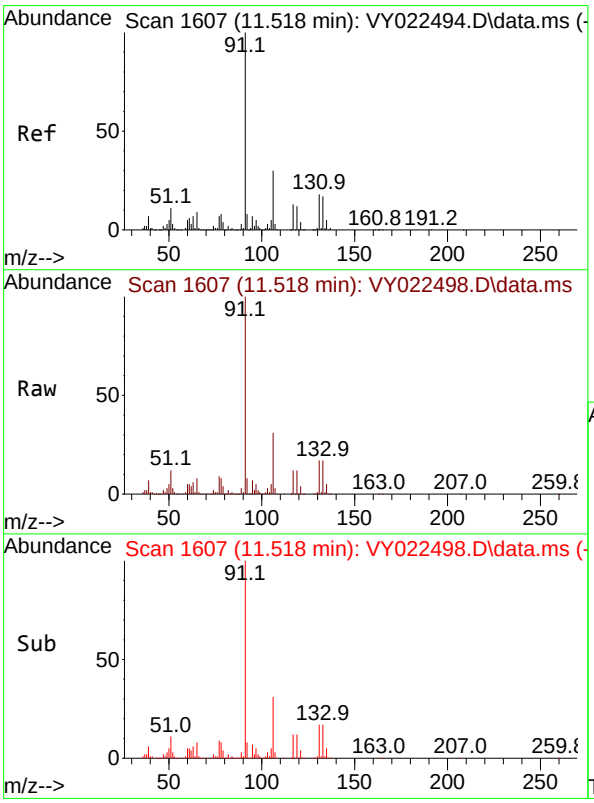
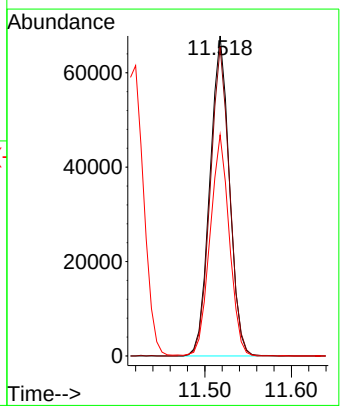
Supervised By :Mahesh Dadoda 06/03/2025

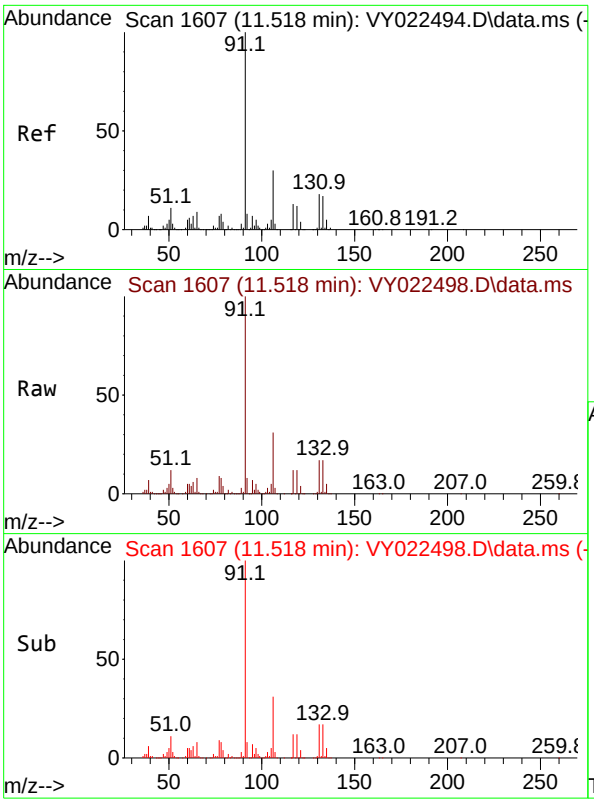


#66
1,1,1,2-Tetrachloroethane
Concen: 45.464 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:131 Resp: 105830

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.3	141.8
119	68.3	33.1	99.3

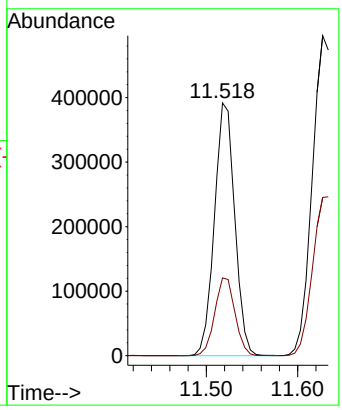




#67
Ethyl Benzene
Concen: 47.248 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 91 Resp: 60556

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.2	36.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

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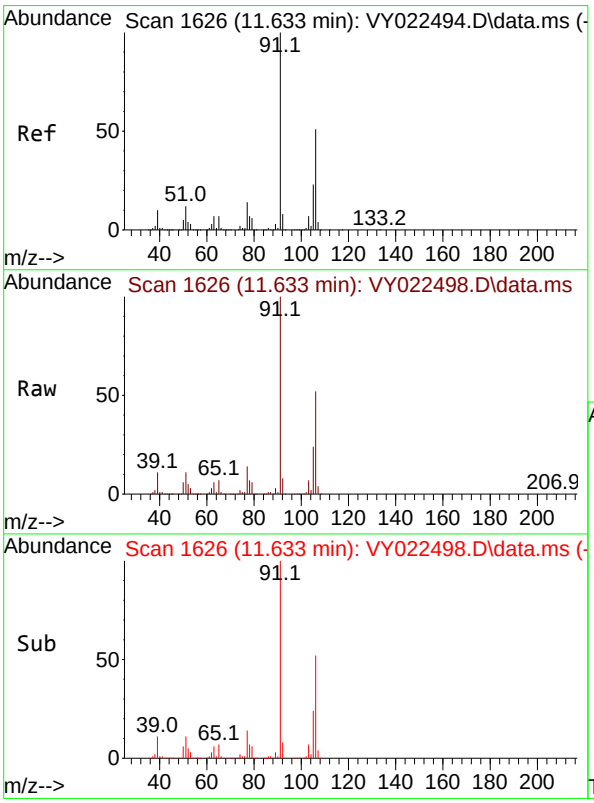
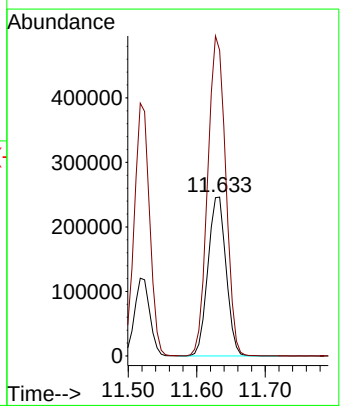
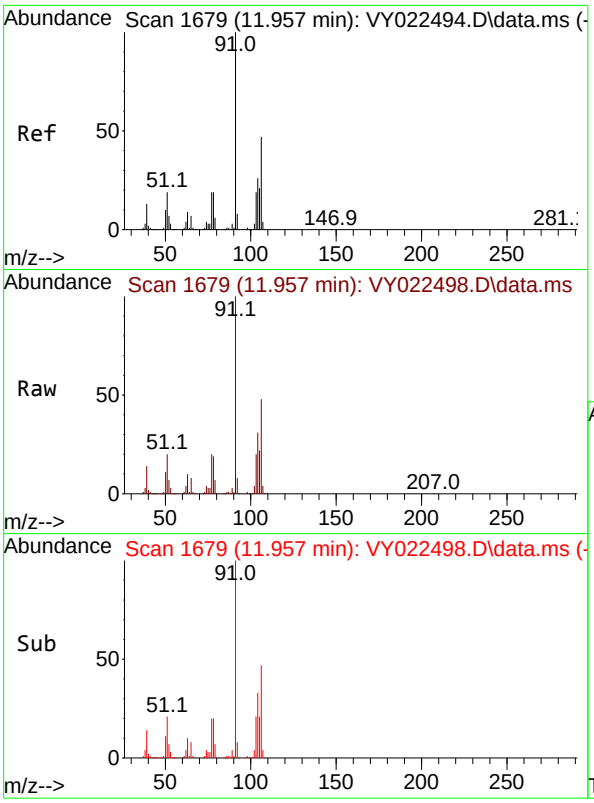


#68
m/p-Xylenes
Concen: 93.473 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:106 Resp: 454148

Ion	Ratio	Lower	Upper
106	100		
91	199.5	159.4	239.0

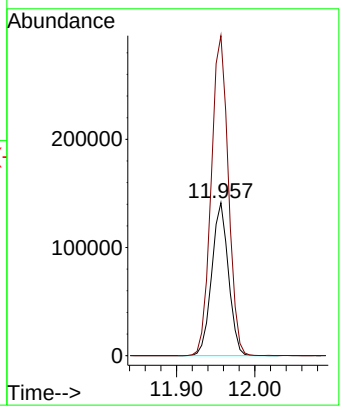




#69
o-Xylene
Concen: 45.959 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:106 Resp: 20935

Ion	Ratio	Lower	Upper
106	100		
91	214.9	105.8	317.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

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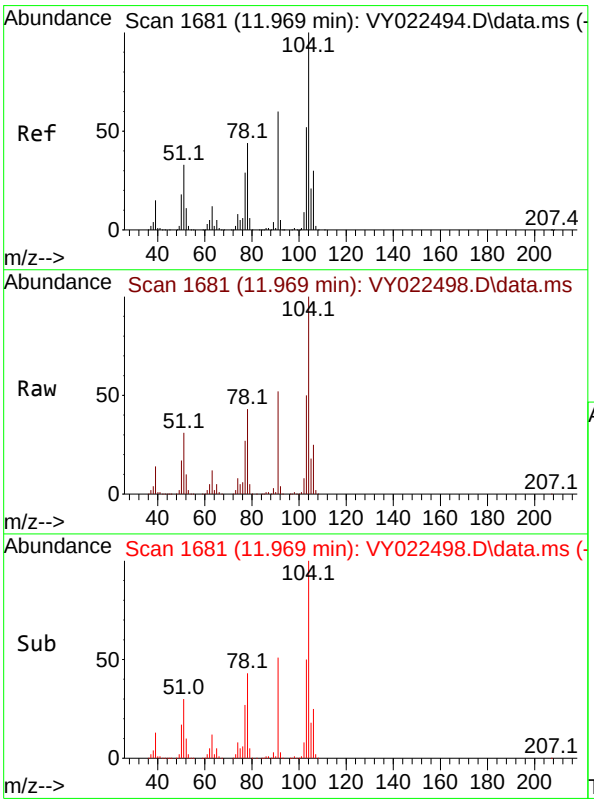
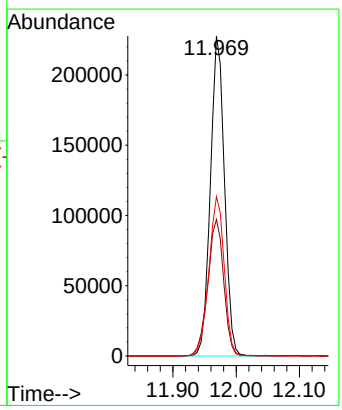
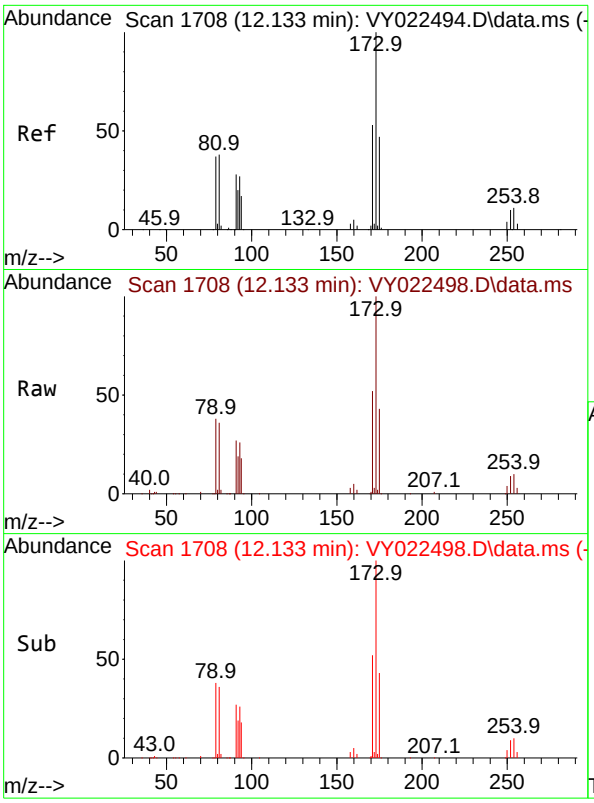


#70
Styrene
Concen: 46.815 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:104 Resp: 352505

Ion	Ratio	Lower	Upper
104	100		
78	48.0	39.5	59.3
103	54.4	44.1	66.1

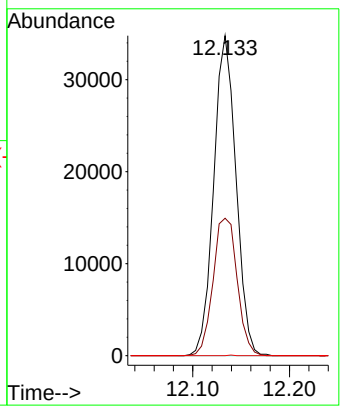




#71
Bromoform
Concen: 44.852 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:173 Resp: 5555

Ion	Ratio	Lower	Upper
173	100		
175	46.5	23.8	71.5
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

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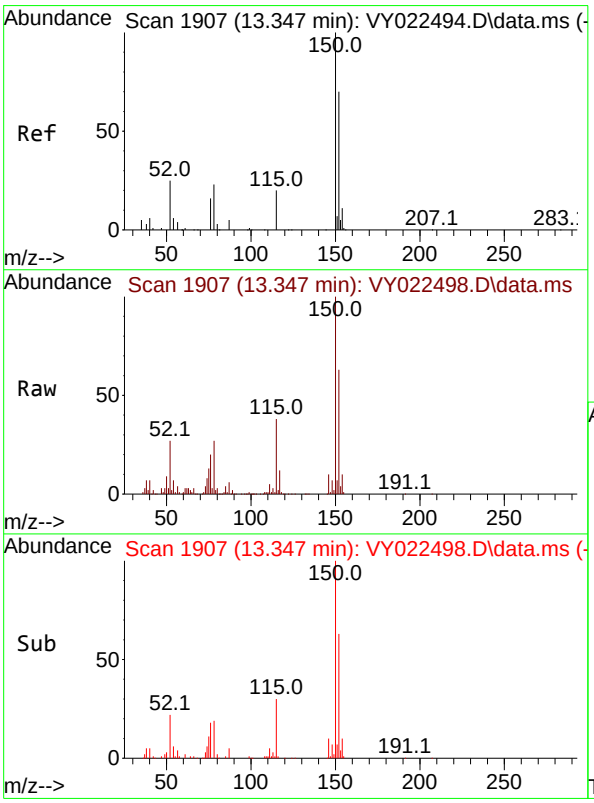
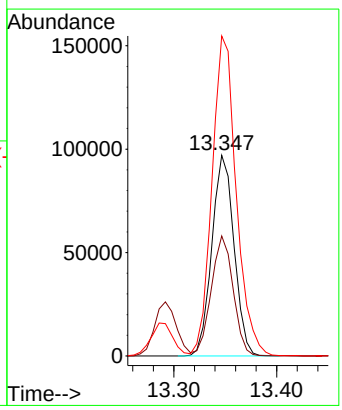
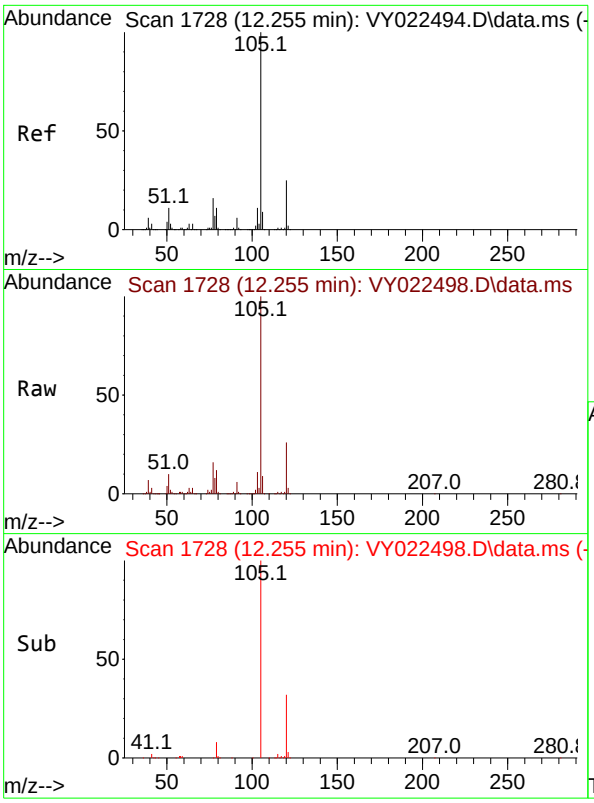


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:152 Resp: 145254

Ion	Ratio	Lower	Upper
152	100		
115	59.1	28.9	86.7
150	174.0	0.0	349.6

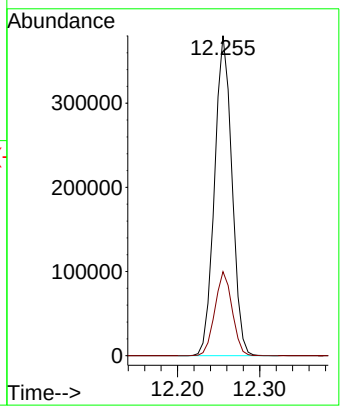




#73
Isopropylbenzene
Concen: 46.933 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:105 Resp: 55969

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
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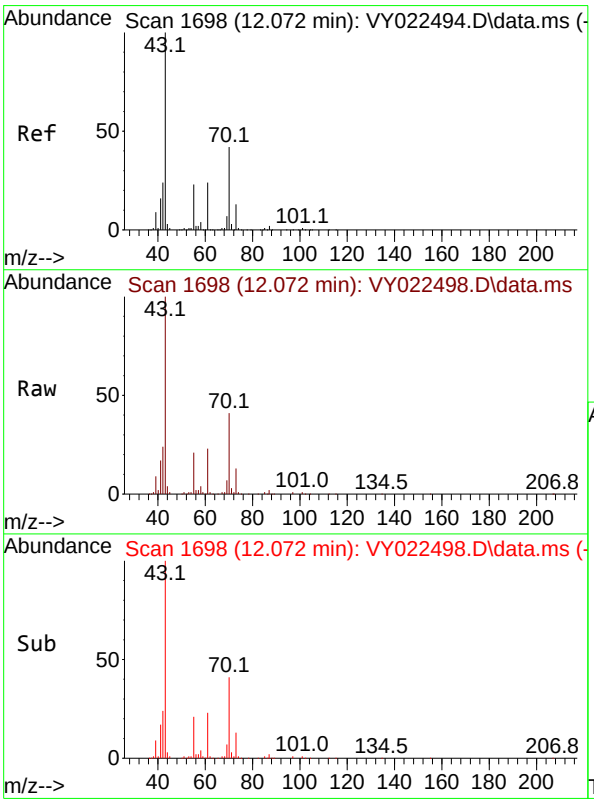
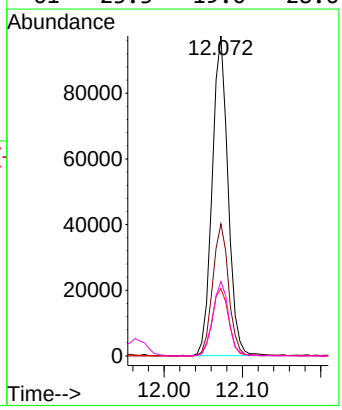
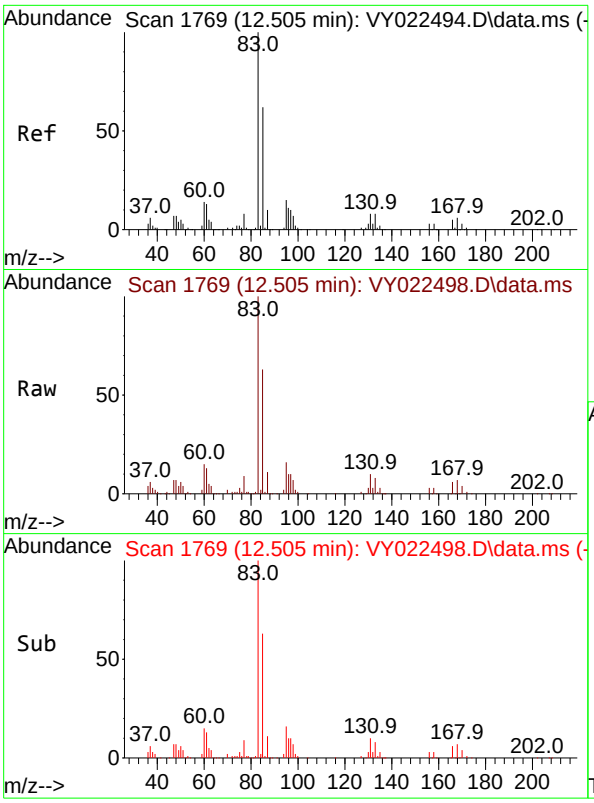


#74
N-amyl acetate
Concen: 45.502 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 43 Resp: 136915

Ion	Ratio	Lower	Upper
43	100		
70	41.8	34.2	51.2
55	22.1	18.2	27.4
61	23.3	19.0	28.6

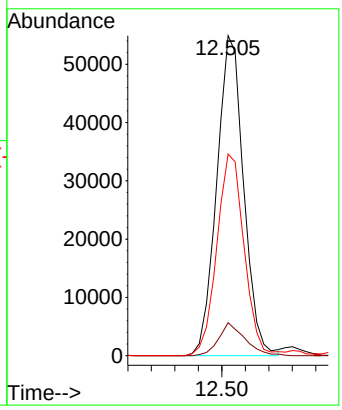




#75
1,1,2,2-Tetrachloroethane
Concen: 44.656 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 83 Resp: 8740

Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.7
85	64.1	32.6	97.8



Instrument :
MSVOA_Y
ClientSampleId :
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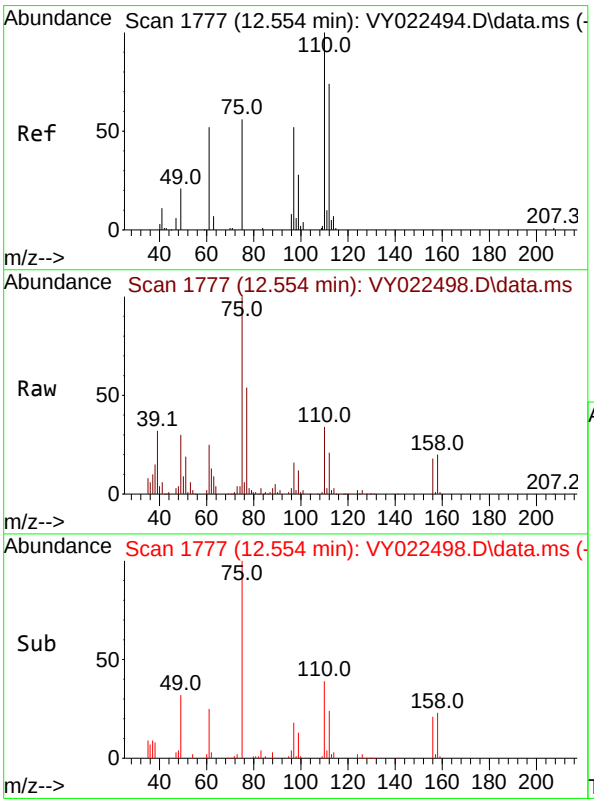
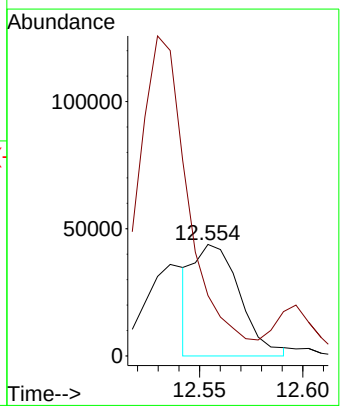
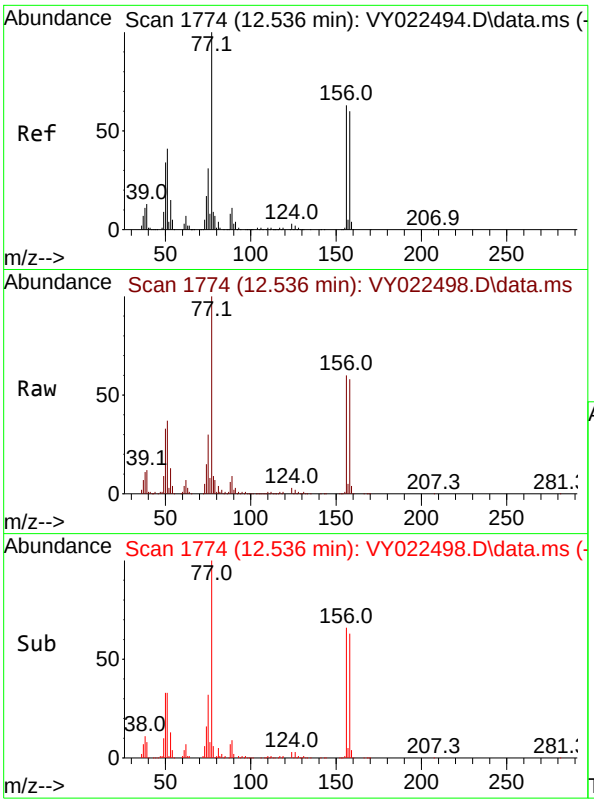


#76
1,2,3-Trichloropropane
Concen: 41.103 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 75 Resp: 68304

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

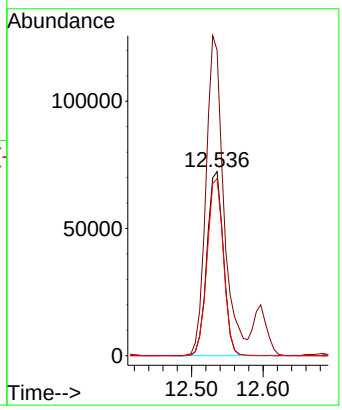




#77
Bromobenzene
Concen: 45.607 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:156 Resp: 11477

Ion	Ratio	Lower	Upper
156	100		
77	189.1	94.0	282.1
158	96.4	48.2	144.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

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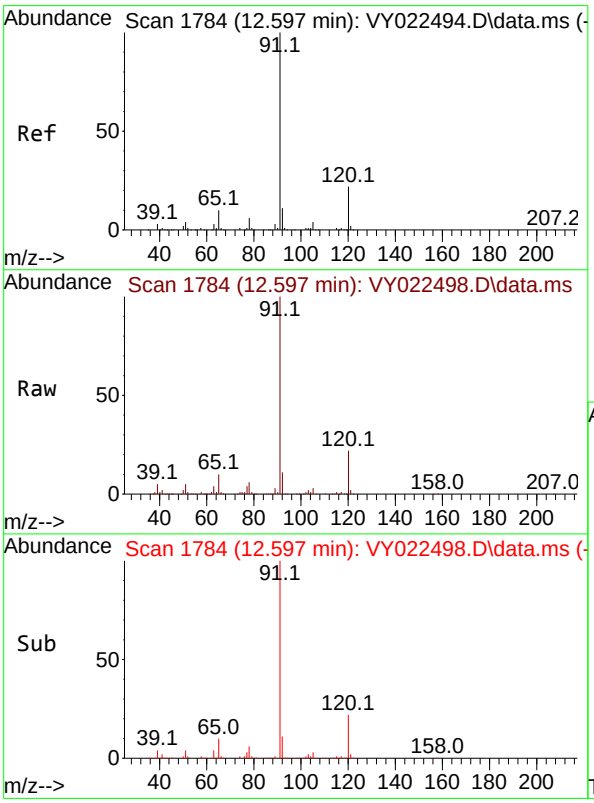
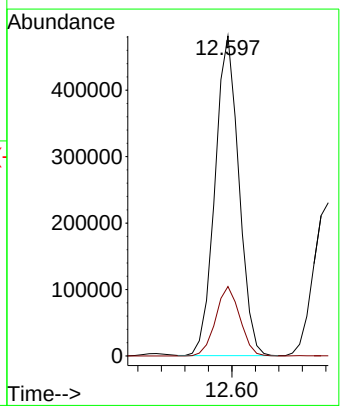
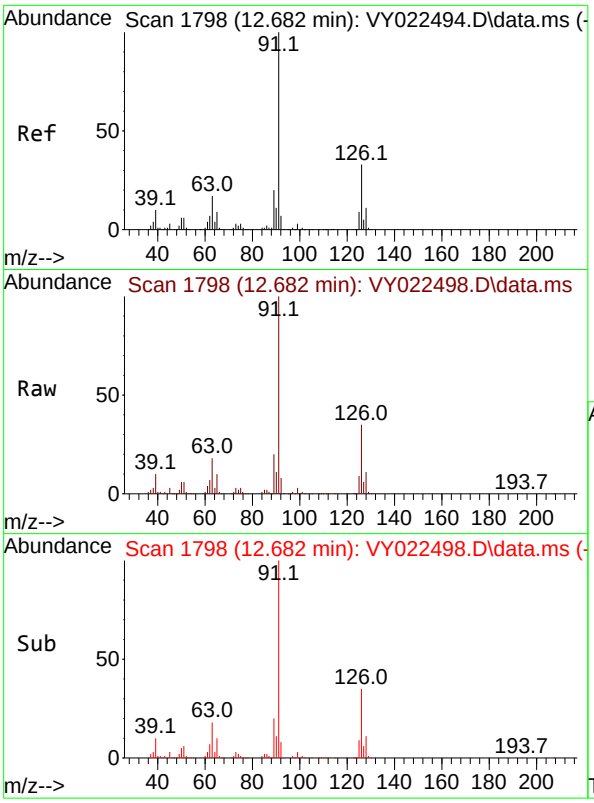


#78
n-propylbenzene
Concen: 46.696 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 91 Resp: 680155

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.8	32.4

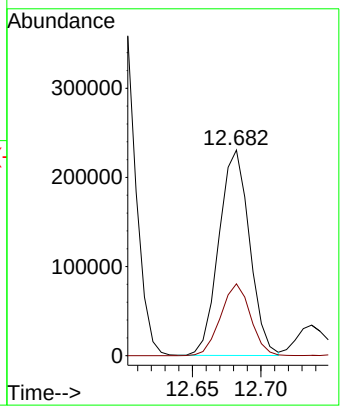




#79
2-Chlorotoluene
Concen: 46.472 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 91 Resp: 35875

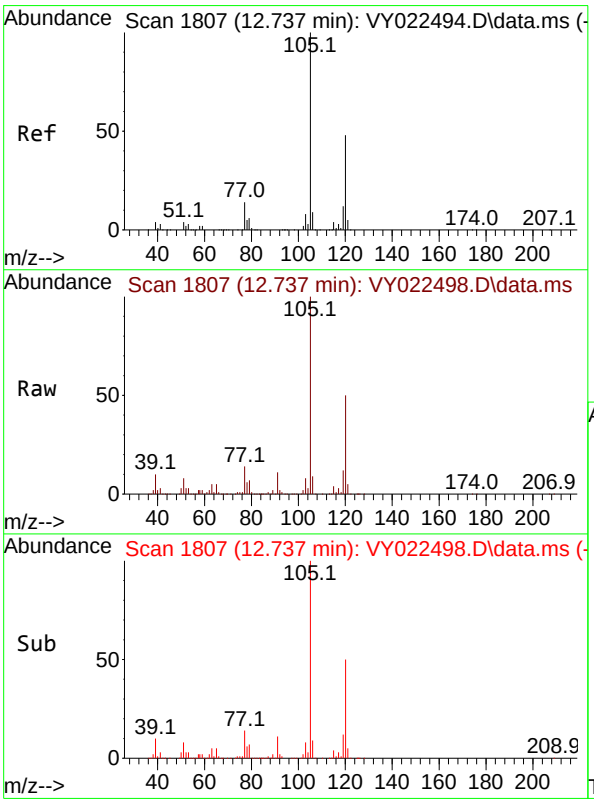
Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.0	51.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

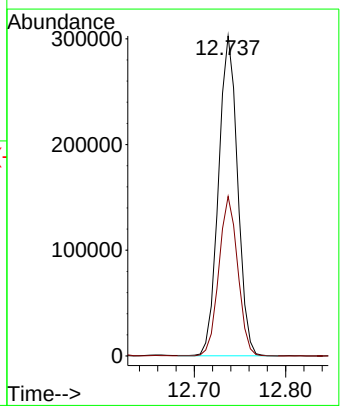
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

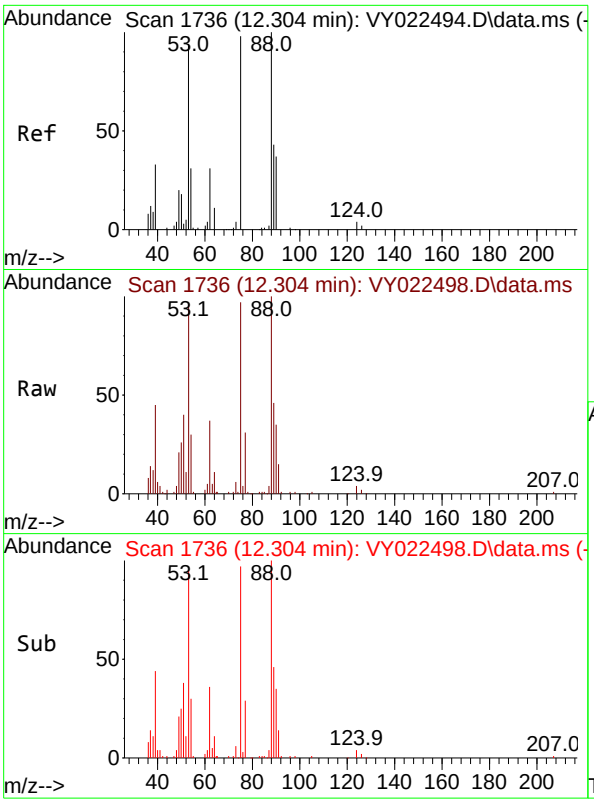


#80
1,3,5-Trimethylbenzene
Concen: 46.876 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:105 Resp: 438873

Ion	Ratio	Lower	Upper
105	100		
120	49.4	24.1	72.4





#81
trans-1,4-Dichloro-2-butene
Concen: 42.968 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 75 Resp: 2956

Ion	Ratio	Lower	Upper
75	100		
53	97.8	78.5	117.7
89	44.9	35.7	53.5

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
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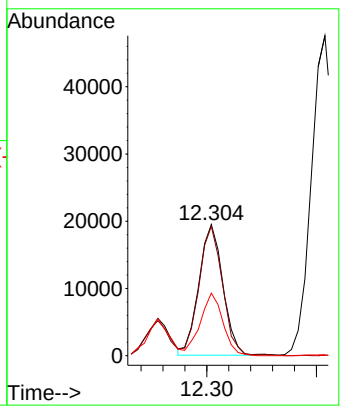
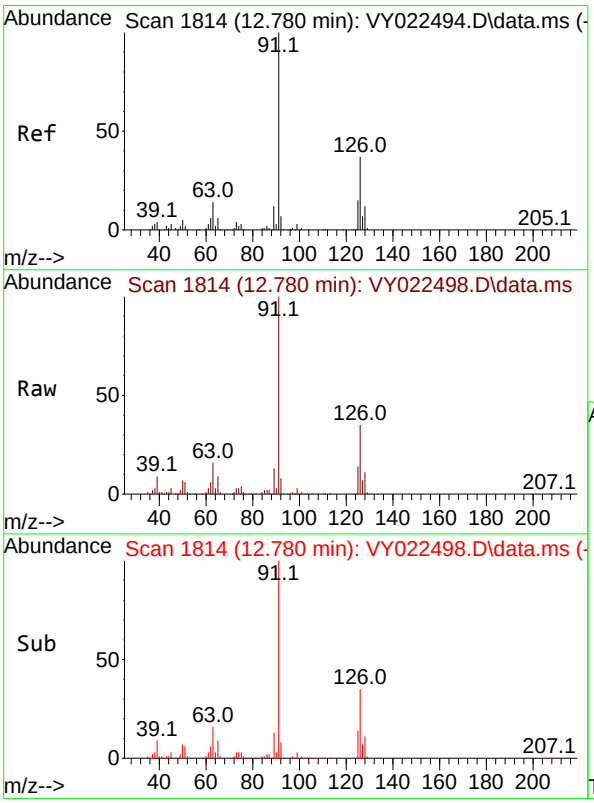
Supervised By :Mahesh Dadoda 06/03/2025

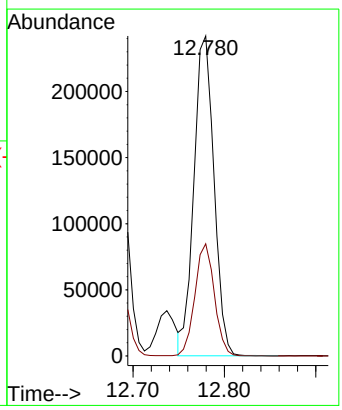


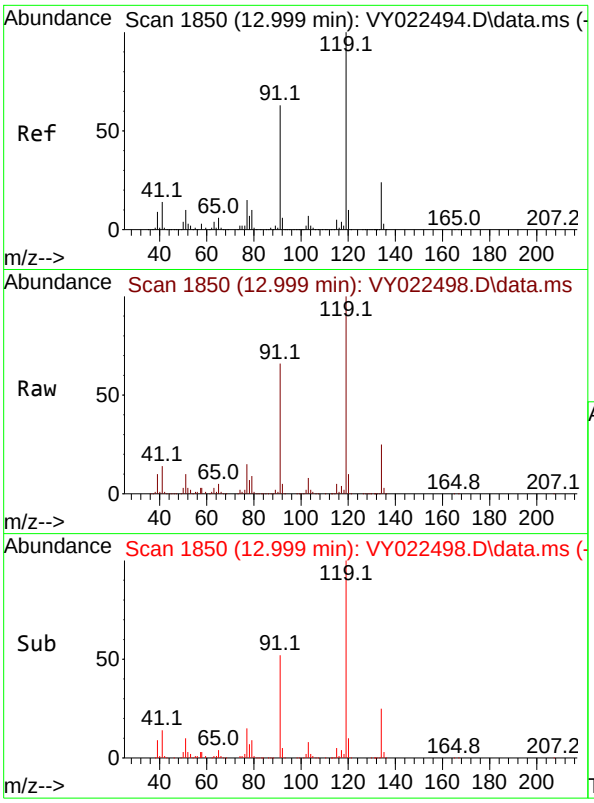


#82
4-Chlorotoluene
Concen: 46.289 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 91 Resp: 368631

Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.0	50.9





#83
tert-Butylbenzene
Concen: 47.655 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

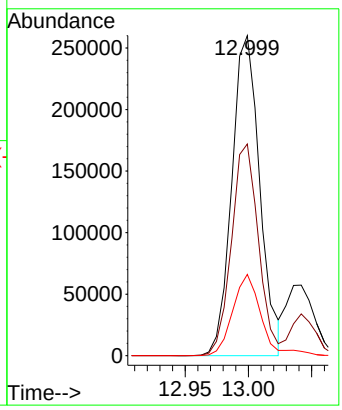
Tgt Ion:119 Resp: 40044

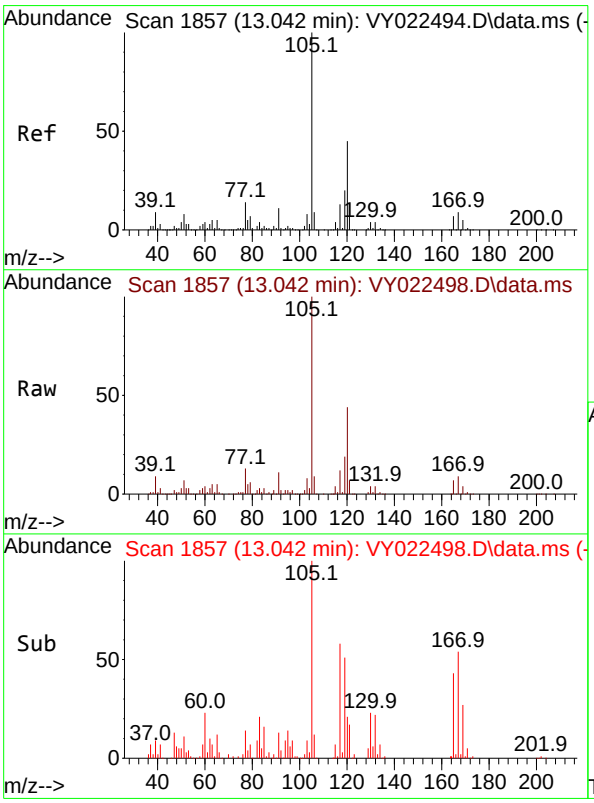
Ion	Ratio	Lower	Upper
119	100		
91	63.8	32.1	96.3
134	25.9	13.0	38.9

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

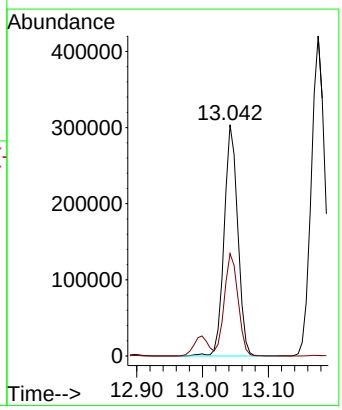


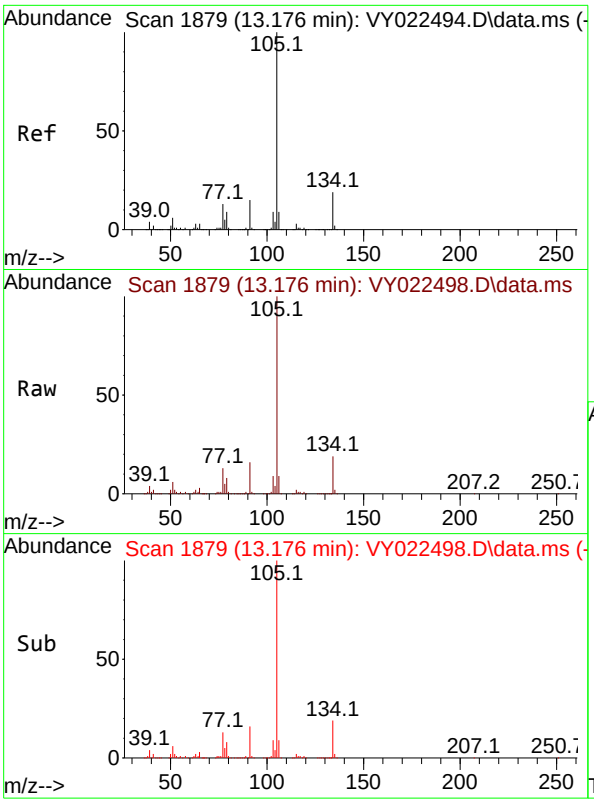


#84
1,2,4-Trimethylbenzene
Concen: 46.735 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:105 Resp: 437631

Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.7	68.1

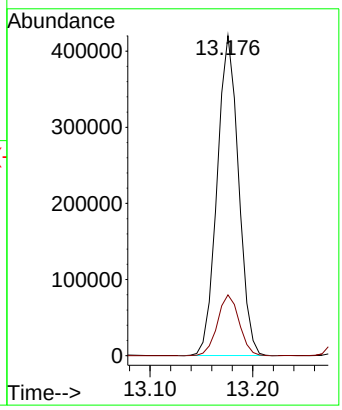




#85
sec-Butylbenzene
Concen: 47.241 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:105 Resp: 60796

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
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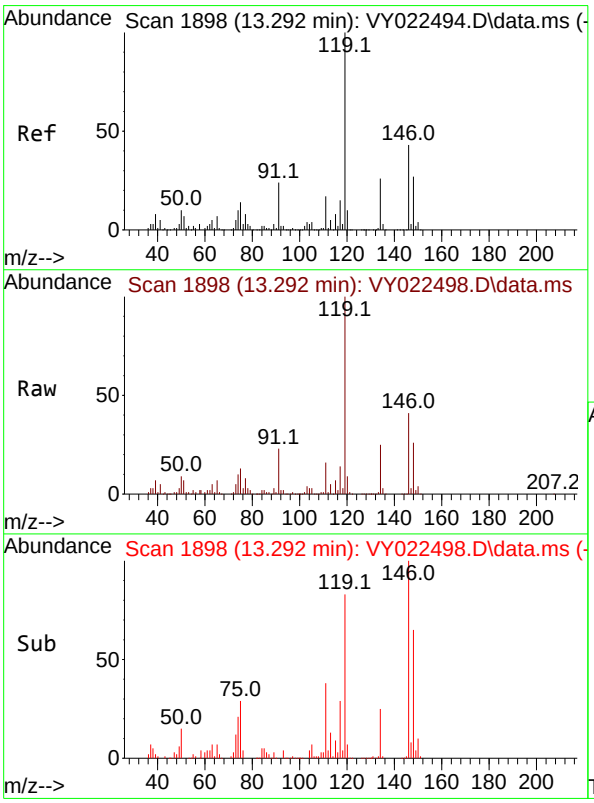
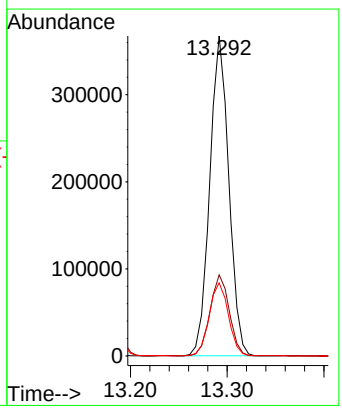
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

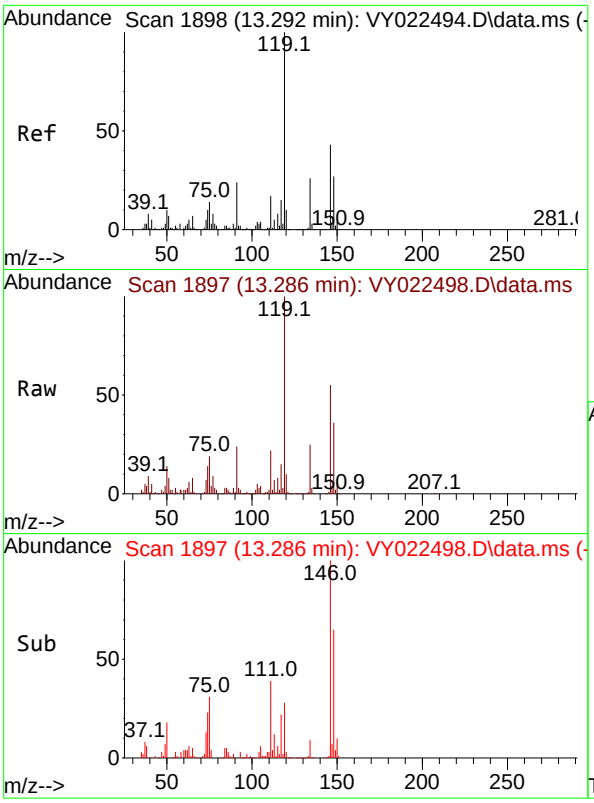


#86
p-Isopropyltoluene
Concen: 47.321 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:119 Resp: 501979

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.1	39.1
91	23.0	11.6	34.8

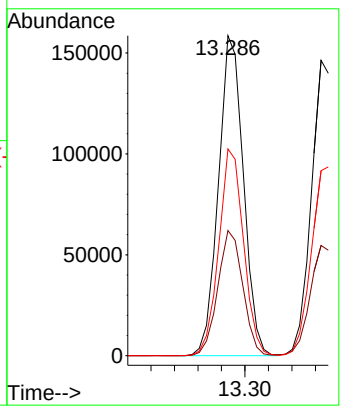




#87
1,3-Dichlorobenzene
Concen: 45.932 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:146 Resp: 23419

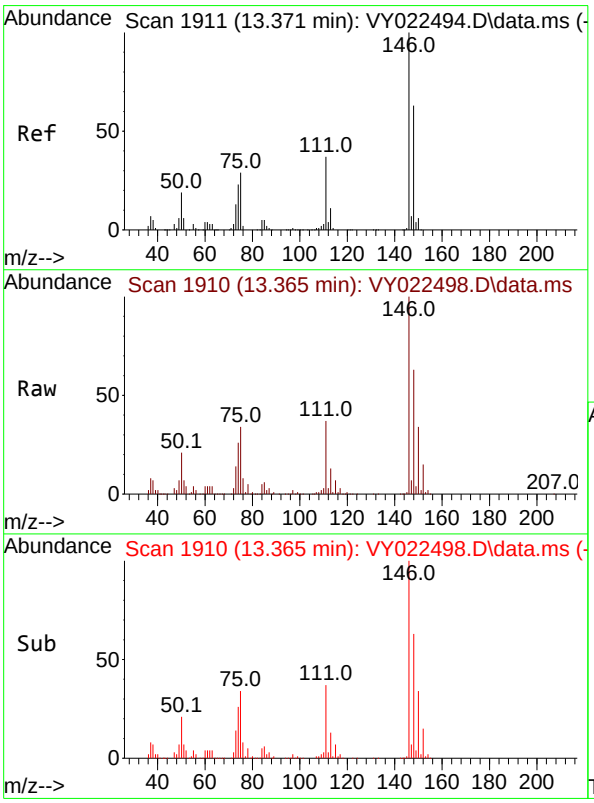
Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.1	60.2
148	64.1	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

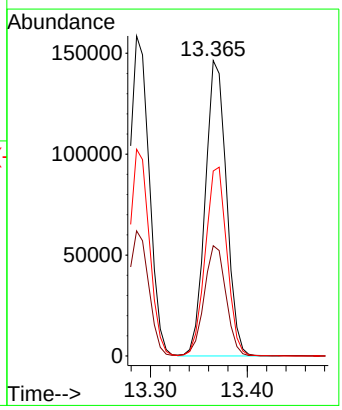
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

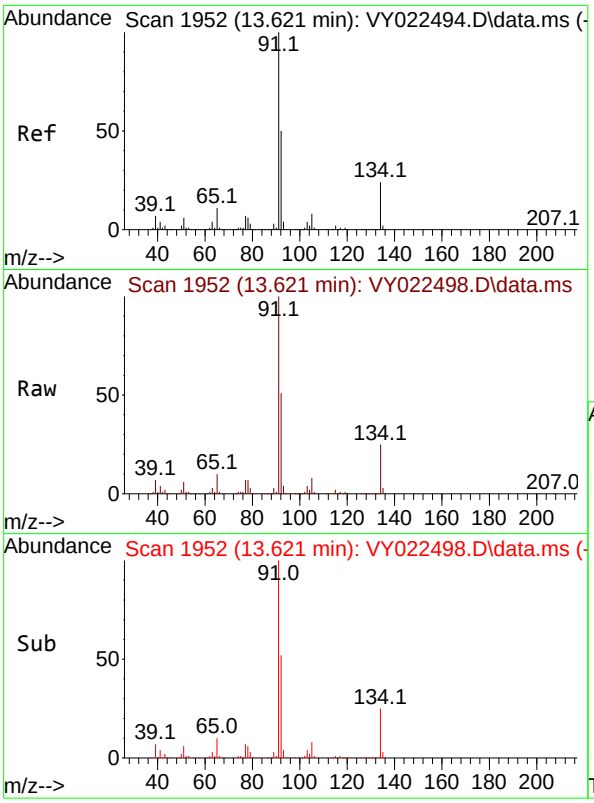


#88
1,4-Dichlorobenzene
Concen: 45.113 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:146 Resp: 223096

Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.4	58.2
148	65.3	31.6	94.8

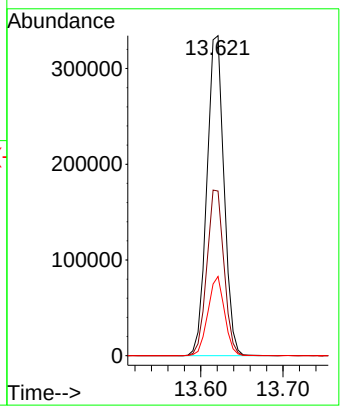




#89
n-Butylbenzene
Concen: 47.968 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 91 Resp: 48277

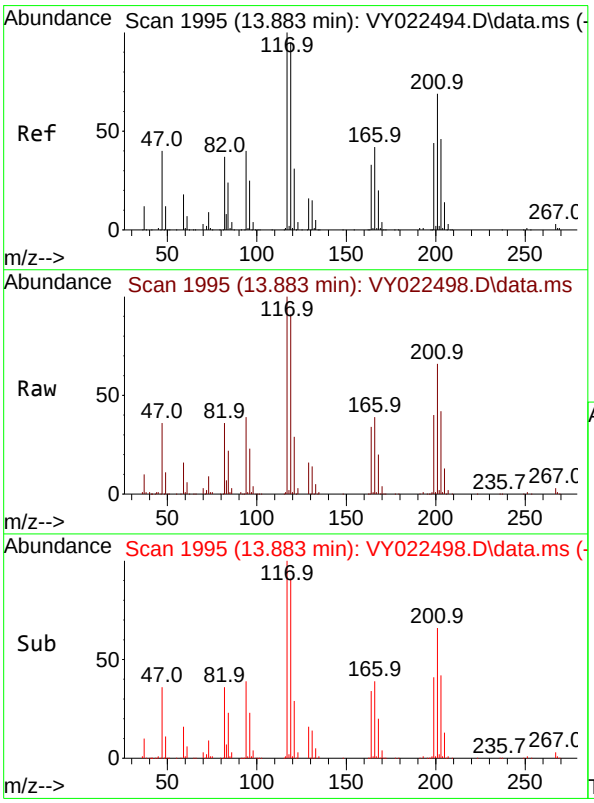
Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.9	77.8
134	24.1	12.0	36.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

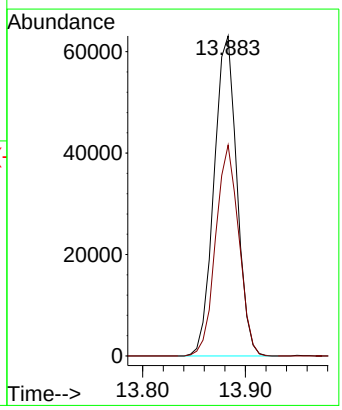
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

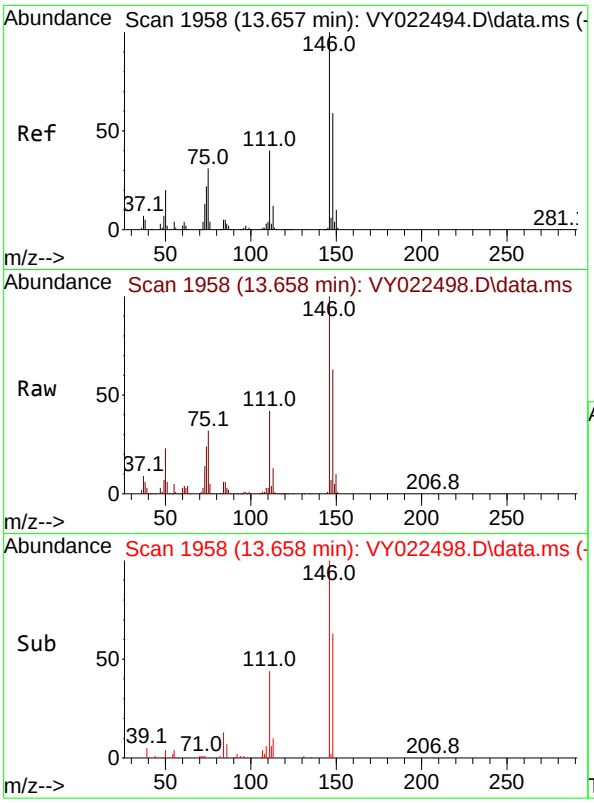


#90
Hexachloroethane
Concen: 47.101 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:117 Resp: 97273

Ion	Ratio	Lower	Upper
117	100		
201	66.8	34.0	102.0

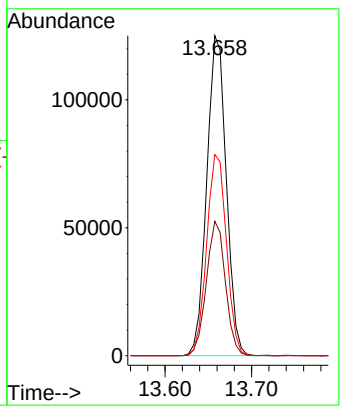




#91
1,2-Dichlorobenzene
Concen: 45.213 ug/l
RT: 13.658 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:146 Resp: 19572

Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.2	60.6
148	63.8	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 06/03/2025
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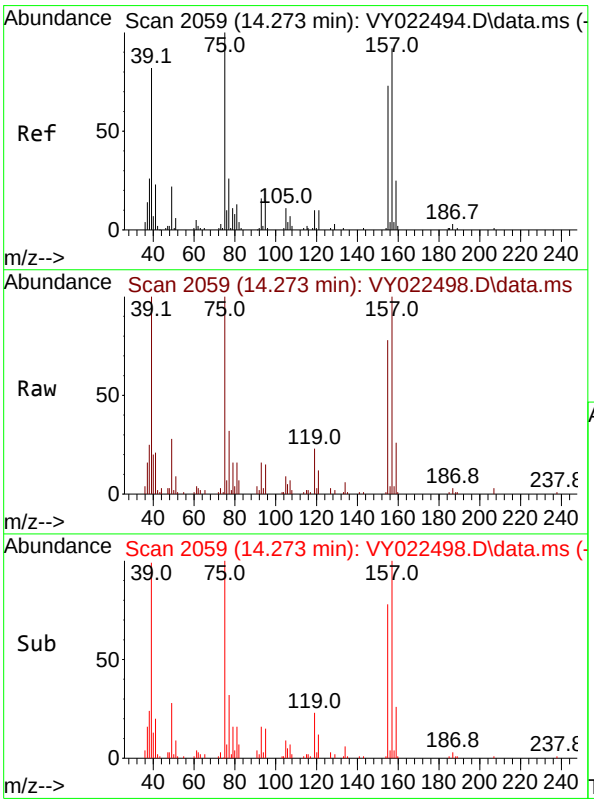
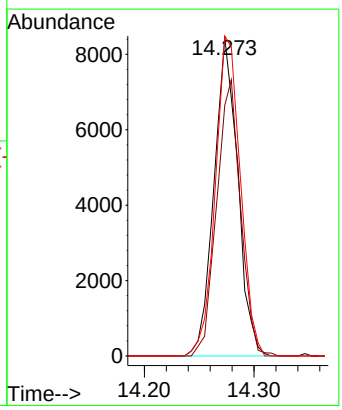
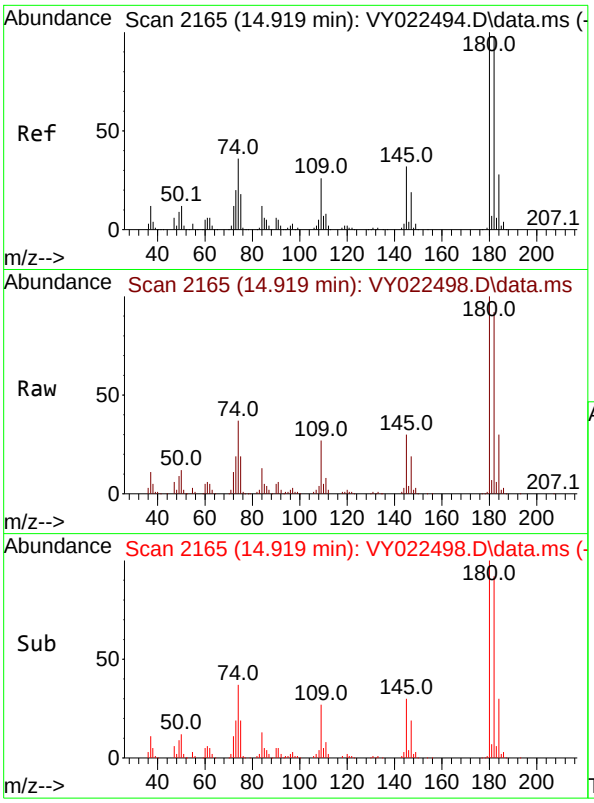


#92
1,2-Dibromo-3-Chloropropane
Concen: 44.665 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 75 Resp: 12728

Ion	Ratio	Lower	Upper
75	100		
155	87.1	39.9	119.6
157	105.8	54.0	162.0

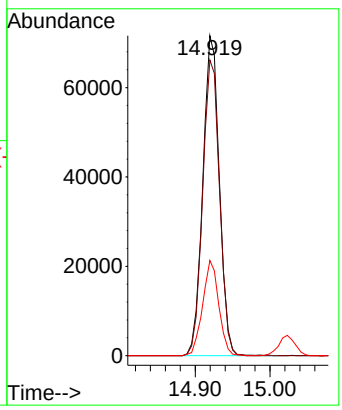




#93
1,2,4-Trichlorobenzene
Concen: 46.481 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:180 Resp: 10974

Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.4	145.3
145	29.1	15.5	46.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
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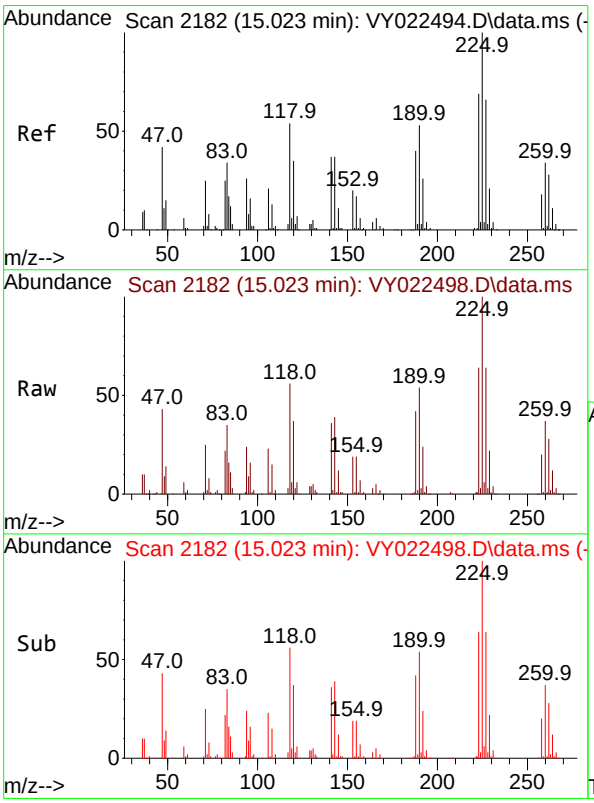
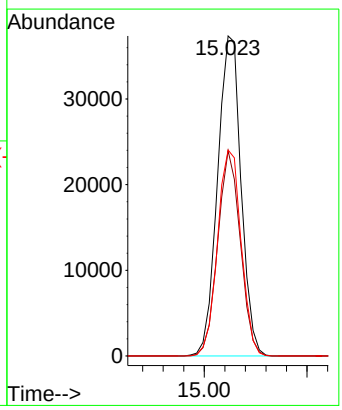
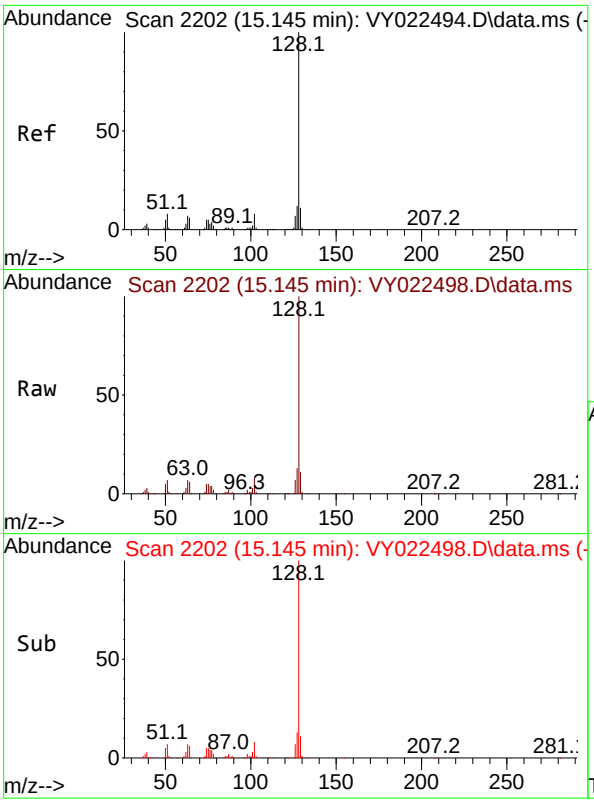


#94
Hexachlorobutadiene
Concen: 45.457 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:225 Resp: 59236

Ion	Ratio	Lower	Upper
225	100		
223	61.5	32.5	97.4
227	64.6	32.3	96.9

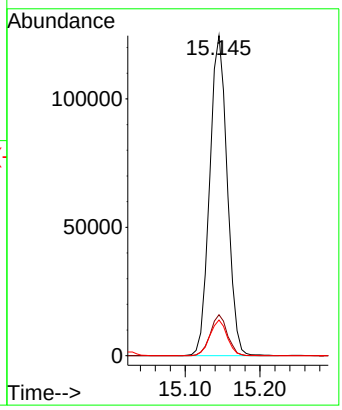




#95
Naphthalene
Concen: 45.009 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:128 Resp: 20392

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.4	15.6
129	11.0	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
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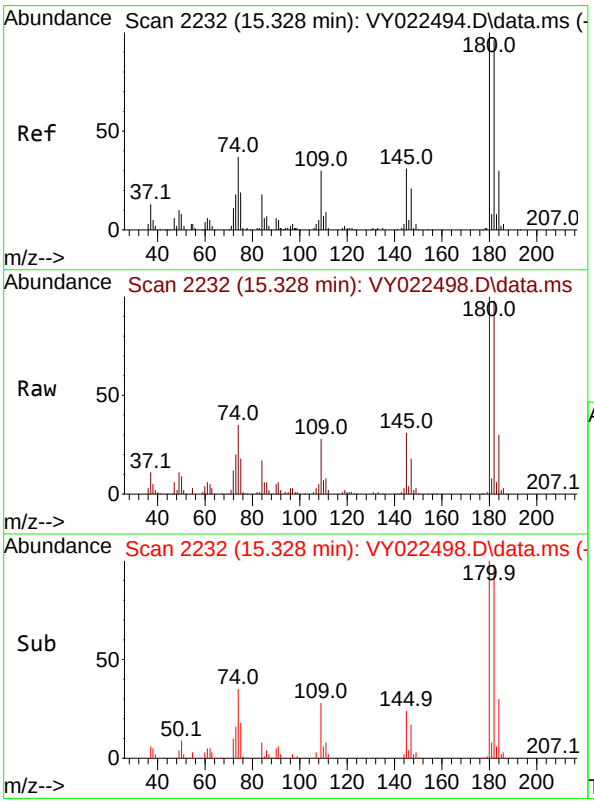
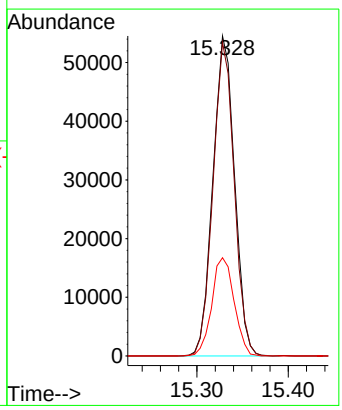


#96
1,2,3-Trichlorobenzene
Concen: 44.331 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:180 Resp: 89699

Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.1	141.3
145	31.8	15.2	45.6



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	104	0.00
2	T	Dichlorodifluoromethane	0.448	0.383	14.5	97	0.00
3	P	Chloromethane	1.322	1.259	4.8	107	0.00
4	C	Vinyl Chloride	1.534	1.475	3.8#	103	0.00
5	T	Bromomethane	1.470	1.250	15.0	105	0.00
6	T	Chloroethane	1.053	0.939	10.8	102	0.00
7	T	Trichlorofluoromethane	1.302	1.237	5.0	105	0.00
8	T	Diethyl Ether	0.293	0.260	11.3	93	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.549	0.496	9.7	96	0.00
10	T	Methyl Iodide	0.594	0.533	10.3	86	0.00
11	T	Tert butyl alcohol	0.040	0.033	17.5	87	0.00
12	CM	1,1-Dichloroethene	0.524	0.485	7.4#	98	-0.01
13	T	Acrolein	0.050	0.044	12.0	97	0.00
14	T	Allyl chloride	0.823	0.755	8.3	98	0.00
15	T	Acrylonitrile	0.124	0.108	12.9	90	0.00
16	T	Acetone	0.114	0.101	11.4	91	0.00
17	T	Carbon Disulfide	1.679	1.559	7.1	98	0.00
18	T	Methyl Acetate	0.336	0.262	22.0	82	0.00
19	T	Methyl tert-butyl Ether	1.477	1.299	12.1	92	-0.01
20	T	Methylene Chloride	0.645	0.527	18.3	96	0.00
21	T	trans-1,2-Dichloroethene	0.587	0.540	8.0	99	0.00
22	T	Diisopropyl ether	1.832	1.616	11.8	93	0.00
23	T	Vinyl Acetate	1.084	0.971	10.4	94	0.00
24	P	1,1-Dichloroethane	1.079	0.994	7.9	98	0.00
25	T	2-Butanone	0.164	0.145	11.6	90	0.00
26	T	2,2-Dichloropropane	0.954	0.890	6.7	98	0.00
27	T	cis-1,2-Dichloroethene	0.678	0.624	8.0	96	0.00
28	T	Bromochloromethane	0.471	0.438	7.0	101	0.00
29	T	Tetrahydrofuran	0.106	0.089	16.0	89	0.00
30	C	Chloroform	1.069	0.982	8.1#	97	0.00
31	T	Cyclohexane	1.075	0.940	12.6	97	0.00
32	T	1,1,1-Trichloroethane	0.949	0.885	6.7	97	0.00
33	S	1,2-Dichloroethane-d4	0.559	0.487	12.9	86	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
35	S	Dibromofluoromethane	0.298	0.279	6.4	90	0.00
36	T	1,1-Dichloropropene	0.484	0.455	6.0	97	0.00
37	T	Ethyl Acetate	0.216	0.188	13.0	85	0.00
38	T	Carbon Tetrachloride	0.497	0.475	4.4	97	0.00
39	T	Methylcyclohexane	0.651	0.611	6.1	97	0.00
40	TM	Benzene	1.431	1.345	6.0	97	0.00
41	T	Methacrylonitrile	0.126	0.109	13.5	91	-0.01
42	TM	1,2-Dichloroethane	0.391	0.357	8.7	95	0.00
43	T	Isopropyl Acetate	0.467	0.412	11.8	90	0.00
44	TM	Trichloroethene	0.350	0.326	6.9	95	0.00
45	C	1,2-Dichloropropane	0.338	0.315	6.8#	95	0.00
46	T	Dibromomethane	0.190	0.177	6.8	95	0.00
47	T	Bromodichloromethane	0.482	0.452	6.2	96	0.00
48	T	Methyl methacrylate	0.219	0.194	11.4	91	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	0.002	0.002	0.0	88	-0.01
50	S	Toluene-d8	1.206	1.128	6.5	92	0.00
51	T	4-Methyl-2-Pentanone	0.233	0.204	12.4	87	0.00
52	CM	Toluene	0.899	0.848	5.7#	98	0.00
53	T	t-1,3-Dichloropropene	0.452	0.417	7.7	94	0.00
54	T	cis-1,3-Dichloropropene	0.526	0.486	7.6	94	0.00
55	T	1,1,2-Trichloroethane	0.243	0.218	10.3	94	0.00
56	T	Ethyl methacrylate	0.351	0.316	10.0	91	0.00
57	T	1,3-Dichloropropane	0.430	0.393	8.6	94	0.00
58	T	2-Chloroethyl Vinyl ether	0.159	0.155	2.5	101	0.00
59	T	2-Hexanone	0.156	0.137	12.2	88	0.00
60	T	Dibromochloromethane	0.308	0.278	9.7	92	0.00
61	T	1,2-Dibromoethane	0.221	0.203	8.1	95	0.00
62	S	4-Bromofluorobenzene	0.359	0.329	8.4	92	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
64	T	Tetrachloroethene	0.430	0.391	9.1	94	0.00
65	PM	Chlorobenzene	1.106	1.017	8.0	95	0.00
66	T	1,1,1,2-Tetrachloroethane	0.373	0.339	9.1	94	0.00
67	C	Ethyl Benzene	2.052	1.939	5.5#	98	0.00
68	T	m/p-Xylenes	0.778	0.727	6.6	97	0.00
69	T	o-Xylene	0.729	0.670	8.1	96	0.00
70	T	Styrene	1.206	1.129	6.4	96	0.00
71	P	Bromoform	0.198	0.178	10.1	93	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
73	T	Isopropylbenzene	4.105	3.853	6.1	97	0.00
74	T	N-amyl acetate	1.036	0.943	9.0	91	0.00
75	P	1,1,2,2-Tetrachloroethane	0.674	0.602	10.7	92	0.00
76	T	1,2,3-Trichloropropane	0.572	0.470	17.8	78	0.00
77	T	Bromobenzene	0.866	0.790	8.8	95	0.00
78	T	n-propylbenzene	5.014	4.683	6.6	96	0.00
79	T	2-Chlorotoluene	2.657	2.470	7.0	96	0.00
80	T	1,3,5-Trimethylbenzene	3.223	3.021	6.3	96	0.00
81	T	trans-1,4-Dichloro-2-butene	0.237	0.204	13.9	91	0.00
82	T	4-Chlorotoluene	2.741	2.538	7.4	95	0.00
83	T	tert-Butylbenzene	2.893	2.757	4.7	99	0.00
84	T	1,2,4-Trimethylbenzene	3.223	3.013	6.5	97	0.00
85	T	sec-Butylbenzene	4.430	4.186	5.5	98	0.00
86	T	p-Isopropyltoluene	3.652	3.456	5.4	98	0.00
87	T	1,3-Dichlorobenzene	1.755	1.612	8.1	97	0.00
88	T	1,4-Dichlorobenzene	1.702	1.536	9.8	94	0.00
89	T	n-Butylbenzene	3.464	3.324	4.0	98	0.00
90	T	Hexachloroethane	0.711	0.670	5.8	97	0.00
91	T	1,2-Dichlorobenzene	1.490	1.347	9.6	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.098	0.088	10.2	87	0.00
93	T	1,2,4-Trichlorobenzene	0.813	0.756	7.0	96	0.00
94	T	Hexachlorobutadiene	0.449	0.408	9.1	95	0.00
95	T	Naphthalene	1.560	1.404	10.0	90	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.697	0.618	11.3	92	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_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	104	0.00
2	T	Dichlorodifluoromethane	50.000	42.825	14.3	97	0.00
3	P	Chloromethane	50.000	47.616	4.8	107	0.00
4	C	Vinyl Chloride	50.000	48.066	3.9#	103	0.00
5	T	Bromomethane	50.000	42.515	15.0	105	0.00
6	T	Chloroethane	50.000	44.575	10.8	102	0.00
7	T	Trichlorofluoromethane	50.000	47.475	5.0	105	0.00
8	T	Diethyl Ether	50.000	44.247	11.5	93	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	45.230	9.5	96	0.00
10	T	Methyl Iodide	50.000	44.885	10.2	86	0.00
11	T	Tert butyl alcohol	250.000	205.761	17.7	87	0.00
12	CM	1,1-Dichloroethene	50.000	46.234	7.5#	98	-0.01
13	T	Acrolein	250.000	223.473	10.6	97	0.00
14	T	Allyl chloride	50.000	45.834	8.3	98	0.00
15	T	Acrylonitrile	250.000	216.963	13.2	90	0.00
16	T	Acetone	250.000	221.854	11.3	91	0.00
17	T	Carbon Disulfide	50.000	46.432	7.1	98	0.00
18	T	Methyl Acetate	50.000	38.935	22.1	82	0.00
19	T	Methyl tert-butyl Ether	50.000	43.974	12.1	92	-0.01
20	T	Methylene Chloride	50.000	40.875	18.3	96	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.024	8.0	99	0.00
22	T	Diisopropyl ether	50.000	44.104	11.8	93	0.00
23	T	Vinyl Acetate	250.000	223.951	10.4	94	0.00
24	P	1,1-Dichloroethane	50.000	46.053	7.9	98	0.00
25	T	2-Butanone	250.000	220.736	11.7	90	0.00
26	T	2,2-Dichloropropane	50.000	46.639	6.7	98	0.00
27	T	cis-1,2-Dichloroethene	50.000	46.024	8.0	96	0.00
28	T	Bromochloromethane	50.000	46.547	6.9	101	0.00
29	T	Tetrahydrofuran	250.000	211.767	15.3	89	0.00
30	C	Chloroform	50.000	45.919	8.2#	97	0.00
31	T	Cyclohexane	50.000	43.757	12.5	97	0.00
32	T	1,1,1-Trichloroethane	50.000	46.627	6.7	97	0.00
33	S	1,2-Dichloroethane-d4	50.000	43.538	12.9	86	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	104	0.00
35	S	Dibromofluoromethane	50.000	46.676	6.6	90	0.00
36	T	1,1-Dichloropropene	50.000	46.978	6.0	97	0.00
37	T	Ethyl Acetate	50.000	43.605	12.8	85	0.00
38	T	Carbon Tetrachloride	50.000	47.747	4.5	97	0.00
39	T	Methylcyclohexane	50.000	46.923	6.2	97	0.00
40	TM	Benzene	50.000	47.020	6.0	97	0.00
41	T	Methacrylonitrile	50.000	43.134	13.7	91	-0.01
42	TM	1,2-Dichloroethane	50.000	45.644	8.7	95	0.00
43	T	Isopropyl Acetate	50.000	44.122	11.8	90	0.00
44	TM	Trichloroethene	50.000	46.609	6.8	95	0.00
45	C	1,2-Dichloropropane	50.000	46.587	6.8#	95	0.00
46	T	Dibromomethane	50.000	46.430	7.1	95	0.00
47	T	Bromodichloromethane	50.000	46.825	6.3	96	0.00
48	T	Methyl methacrylate	50.000	44.198	11.6	91	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	816.553	18.3	88	-0.01
50	S	Toluene-d8	50.000	46.760	6.5	92	0.00
51	T	4-Methyl-2-Pentanone	250.000	219.250	12.3	87	0.00
52	CM	Toluene	50.000	47.137	5.7#	98	0.00
53	T	t-1,3-Dichloropropene	50.000	46.094	7.8	94	0.00
54	T	cis-1,3-Dichloropropene	50.000	46.206	7.6	94	0.00
55	T	1,1,2-Trichloroethane	50.000	44.953	10.1	94	0.00
56	T	Ethyl methacrylate	50.000	45.029	9.9	91	0.00
57	T	1,3-Dichloropropane	50.000	45.696	8.6	94	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	243.746	2.5	101	0.00
59	T	2-Hexanone	250.000	220.088	12.0	88	0.00
60	T	Dibromochloromethane	50.000	45.114	9.8	92	0.00
61	T	1,2-Dibromoethane	50.000	45.960	8.1	95	0.00
62	S	4-Bromofluorobenzene	50.000	45.847	8.3	92	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	105	0.00
64	T	Tetrachloroethene	50.000	45.398	9.2	94	0.00
65	PM	Chlorobenzene	50.000	45.953	8.1	95	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	45.464	9.1	94	0.00
67	C	Ethyl Benzene	50.000	47.248	5.5#	98	0.00
68	T	m/p-Xylenes	100.000	93.473	6.5	97	0.00
69	T	o-Xylene	50.000	45.959	8.1	96	0.00
70	T	Styrene	50.000	46.815	6.4	96	0.00
71	P	Bromoform	50.000	44.852	10.3	93	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	104	0.00
73	T	Isopropylbenzene	50.000	46.933	6.1	97	0.00
74	T	N-amyl acetate	50.000	45.502	9.0	91	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	44.656	10.7	92	0.00
76	T	1,2,3-Trichloropropane	50.000	41.103	17.8	78	0.00
77	T	Bromobenzene	50.000	45.607	8.8	95	0.00
78	T	n-propylbenzene	50.000	46.696	6.6	96	0.00
79	T	2-Chlorotoluene	50.000	46.472	7.1	96	0.00
80	T	1,3,5-Trimethylbenzene	50.000	46.876	6.2	96	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	42.968	14.1	91	0.00
82	T	4-Chlorotoluene	50.000	46.289	7.4	95	0.00
83	T	tert-Butylbenzene	50.000	47.655	4.7	99	0.00
84	T	1,2,4-Trimethylbenzene	50.000	46.735	6.5	97	0.00
85	T	sec-Butylbenzene	50.000	47.241	5.5	98	0.00
86	T	p-Isopropyltoluene	50.000	47.321	5.4	98	0.00
87	T	1,3-Dichlorobenzene	50.000	45.932	8.1	97	0.00
88	T	1,4-Dichlorobenzene	50.000	45.113	9.8	94	0.00
89	T	n-Butylbenzene	50.000	47.968	4.1	98	0.00
90	T	Hexachloroethane	50.000	47.101	5.8	97	0.00
91	T	1,2-Dichlorobenzene	50.000	45.213	9.6	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	44.665	10.7	87	0.00
93	T	1,2,4-Trichlorobenzene	50.000	46.481	7.0	96	0.00
94	T	Hexachlorobutadiene	50.000	45.457	9.1	95	0.00
95	T	Naphthalene	50.000	45.009	10.0	90	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	44.331	11.3	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX046433.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SCAL01

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG No.: Q2161

Instrument ID: MSVOA_X Calibration Date/Time: 06/02/2025 10:21

Lab File ID: VX046433.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.765	0.849		10.98	20
Chloromethane	0.742	0.817	0.1	10.11	20
Vinyl Chloride	0.691	0.734		6.22	20
Bromomethane	0.320	0.335		4.69	20
Chloroethane	0.369	0.412		11.65	20
Trichlorofluoromethane	1.021	1.136		11.26	20
1,1,2-Trichlorotrifluoroethane	0.632	0.722		14.24	20
1,1-Dichloroethene	0.593	0.650		9.61	20
Acetone	0.374	0.439		17.38	20
Carbon Disulfide	1.406	1.520		8.11	20
Methyl tert-butyl Ether	2.079	2.353		13.18	20
Methyl Acetate	0.867	1.189		37.14	20
Methylene Chloride	0.716	0.757		5.73	20
trans-1,2-Dichloroethene	0.596	0.645		8.22	20
1,1-Dichloroethane	1.219	1.379	0.1	13.13	20
Cyclohexane	1.111	1.177		5.94	20
2-Butanone	0.543	0.604		11.23	20
Carbon Tetrachloride	0.544	0.625		14.89	20
cis-1,2-Dichloroethene	0.718	0.805		12.12	20
Bromochloromethane	0.587	0.610		3.92	20
Chloroform	1.271	1.419		11.64	20
1,1,1-Trichloroethane	1.101	1.237		12.35	20
Methylcyclohexane	0.623	0.681		9.31	20
Benzene	1.417	1.575		11.15	20
1,2-Dichloroethane	0.612	0.699		14.22	20
Trichloroethene	0.341	0.385		12.9	20
1,2-Dichloropropane	0.352	0.411		16.76	20
Bromodichloromethane	0.547	0.648		18.46	20
4-Methyl-2-Pentanone	0.605	0.682		12.73	20
Toluene	0.869	0.958		10.24	20
t-1,3-Dichloropropene	0.487	0.591		21.35	20
cis-1,3-Dichloropropene	0.538	0.646		20.07	20
1,1,2-Trichloroethane	0.343	0.382		11.37	20
2-Hexanone	0.448	0.509		13.62	20
Dibromochloromethane	0.376	0.460		22.34	20
1,2-Dibromoethane	0.356	0.395		10.95	20
Tetrachloroethene	0.354	0.389		9.89	20
Chlorobenzene	1.094	1.197	0.3	9.41	20

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

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SCAL01

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG No.: Q2161

Instrument ID: MSVOA_X Calibration Date/Time: 06/02/2025 10:21

Lab File ID: VX046433.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.929	2.190		13.53	20
m/p-Xylenes	0.706	0.792		12.18	20
o-Xylene	0.688	0.779		13.23	20
Styrene	1.127	1.328		17.83	20
Bromoform	0.281	0.340	0.1	21	20
Isopropylbenzene	3.893	4.366		12.15	20
1,1,2,2-Tetrachloroethane	1.364	1.417	0.3	3.89	20
1,3-Dichlorobenzene	1.649	1.823		10.55	20
1,4-Dichlorobenzene	1.684	1.827		8.49	20
1,2-Dichlorobenzene	1.655	1.818		9.85	20
1,2-Dibromo-3-Chloropropane	0.302	0.337		11.59	20
1,2,4-Trichlorobenzene	0.951	1.078		13.35	20
1,2,3-Trichlorobenzene	0.981	1.103		12.44	20
1,2-Dichloroethane-d4	0.932	0.936		0.43	20
Dibromofluoromethane	0.360	0.394		9.44	20
Toluene-d8	1.246	1.254		0.64	20
4-Bromofluorobenzene	0.478	0.507		6.07	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\VX060225\
Data File : VX046433.D
Acq On : 02 Jun 2025 10:21
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 03 01:24:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	91247	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	155497	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	135003	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	85451	50.232	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.460%			
35) Dibromofluoromethane	5.373	113	61327	54.769	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.540%			
50) Toluene-d8	8.641	98	195030	50.323	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.640%			
62) 4-Bromofluorobenzene	11.079	95	78787	52.998	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	77464	55.466	ug/l	98
3) Chloromethane	1.301	50	74554	55.048	ug/l	100
4) Vinyl Chloride	1.374	62	66984	53.142	ug/l	98
5) Bromomethane	1.593	94	30570	52.289	ug/l	100
6) Chloroethane	1.666	64	37616	55.901	ug/l	97
7) Trichlorofluoromethane	1.874	101	103701	55.667	ug/l	98
8) Diethyl Ether	2.130	74	33785	53.276	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	65915	57.176	ug/l	98
10) Methyl Iodide	2.441	142	73271	53.713	ug/l	100
11) Tert butyl alcohol	2.971	59	59637	249.749	ug/l	98
12) 1,1-Dichloroethene	2.313	96	59329	54.835	ug/l	96
13) Acrolein	2.233	56	66811	245.681	ug/l	98
14) Allyl chloride	2.654	41	119395	57.739	ug/l	98
15) Acrylonitrile	3.062	53	187111	274.035	ug/l	97
16) Acetone	2.380	43	200383	293.784	ug/l	99
17) Carbon Disulfide	2.502	76	138713	54.077	ug/l	98
18) Methyl Acetate	2.703	43	108485	68.541	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	214715	56.604	ug/l	99
20) Methylene Chloride	2.782	84	69094	52.861	ug/l	95
21) trans-1,2-Dichloroethene	3.081	96	58817	54.056	ug/l	99
22) Diisopropyl ether	3.751	45	231216	57.886	ug/l	95
23) Vinyl Acetate	3.715	43	973152	277.004	ug/l	100
24) 1,1-Dichloroethane	3.599	63	125843	56.565	ug/l	99
25) 2-Butanone	4.550	43	275422	278.140	ug/l	99
26) 2,2-Dichloropropane	4.465	77	101430	58.249	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	73482	56.099	ug/l	99
28) Bromochloromethane	4.885	49	55689	52.003	ug/l	97
29) Tetrahydrofuran	4.995	42	168962	272.299	ug/l	98
30) Chloroform	5.080	83	129453	55.826	ug/l	94
31) Cyclohexane	5.452	56	107363	52.958	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	112877	56.155	ug/l	100
36) 1,1-Dichloropropene	5.678	75	83002	55.170	ug/l	100
37) Ethyl Acetate	4.702	43	99383	53.466	ug/l	98
38) Carbon Tetrachloride	5.666	117	97207	57.505	ug/l	99
39) Methylcyclohexane	7.373	83	105898	54.674	ug/l	96
40) Benzene	6.025	78	244897	55.573	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046433.D
Acq On : 02 Jun 2025 10:21
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 03 01:24:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	59120	60.801	ug/l		99
42) 1,2-Dichloroethane	6.074	62	108654	57.128	ug/l		100
43) Isopropyl Acetate	6.330	43	162035	57.141	ug/l		100
44) Trichloroethene	7.117	130	59836	56.415	ug/l		96
45) 1,2-Dichloropropane	7.421	63	63844	58.264	ug/l		99
46) Dibromomethane	7.574	93	47985	55.522	ug/l		99
47) Bromodichloromethane	7.812	83	100801	59.218	ug/l		98
48) Methyl methacrylate	7.684	41	84209	58.147	ug/l		99
49) 1,4-Dioxane	7.659	88	27599	1003.685	ug/l		98
51) 4-Methyl-2-Pentanone	8.568	43	530186	281.670	ug/l		99
52) Toluene	8.714	92	149019	55.148	ug/l		99
53) t-1,3-Dichloropropene	8.970	75	91860	60.714	ug/l		100
54) cis-1,3-Dichloropropene	8.360	75	100502	60.100	ug/l		96
55) 1,1,2-Trichloroethane	9.147	97	59356	55.708	ug/l		94
56) Ethyl methacrylate	9.110	69	99397	58.533	ug/l		98
57) 1,3-Dichloropropane	9.305	76	106575	55.696	ug/l		97
58) 2-Chloroethyl Vinyl ether	8.232	63	252779	291.982	ug/l		99
59) 2-Hexanone	9.427	43	396050	284.399	ug/l		99
60) Dibromochloromethane	9.519	129	71591	61.182	ug/l		99
61) 1,2-Dibromoethane	9.604	107	61454	55.494	ug/l		97
64) Tetrachloroethene	9.269	164	52575	55.041	ug/l		97
65) Chlorobenzene	10.073	112	161557	54.675	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	57243	56.732	ug/l		98
67) Ethyl Benzene	10.189	91	295609	56.753	ug/l		100
68) m/p-Xylenes	10.299	106	213932	112.298	ug/l		98
69) o-Xylene	10.640	106	105231	56.660	ug/l		96
70) Styrene	10.653	104	179298	58.934	ug/l		99
71) Bromoform	10.799	173	45872	60.554	ug/l	#	98
73) Isopropylbenzene	10.957	105	284937	56.079	ug/l		99
74) N-amyl acetate	10.842	43	138998	55.361	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	92506	51.953	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	84321m	53.676	ug/l		
77) Bromobenzene	11.195	156	64394	54.589	ug/l		99
78) n-propylbenzene	11.299	91	333896	56.517	ug/l		99
79) 2-Chlorotoluene	11.360	91	204731	53.726	ug/l		100
80) 1,3,5-Trimethylbenzene	11.445	105	240907	56.753	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.012	75	27666	57.336	ug/l		97
82) 4-Chlorotoluene	11.451	91	237157	56.121	ug/l		99
83) tert-Butylbenzene	11.713	119	237222	55.481	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	242720	56.464	ug/l		100
85) sec-Butylbenzene	11.884	105	298169	56.795	ug/l		100
86) p-Isopropyltoluene	12.006	119	250970	57.915	ug/l		100
87) 1,3-Dichlorobenzene	11.963	146	118998	55.275	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	119255	54.241	ug/l		99
89) n-Butylbenzene	12.329	91	227998	59.982	ug/l		99
90) Hexachloroethane	12.536	117	45728	59.897	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	118663	54.927	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21979	55.720	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	70351	56.697	ug/l		99
94) Hexachlorobutadiene	13.719	225	31264	57.691	ug/l		97
95) Naphthalene	13.774	128	244681	53.765	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	71987	56.226	ug/l		100

Sample Results: **VX046433.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046433.D
Acq On : 02 Jun 2025 10:21
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 03 01:24:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

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\VX060225\
Data File : VX046433.D
Acq On : 02 Jun 2025 10:21
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
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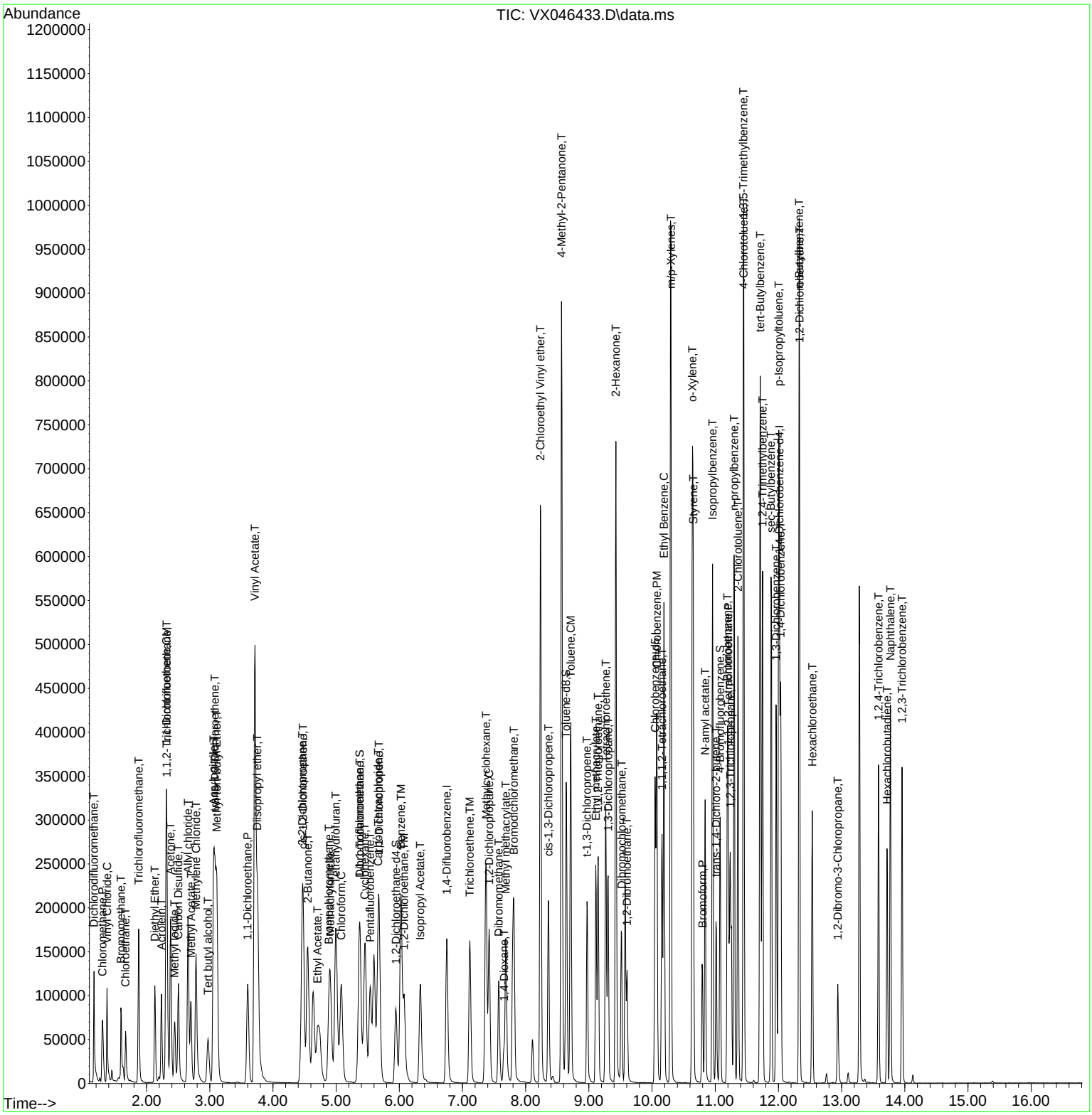
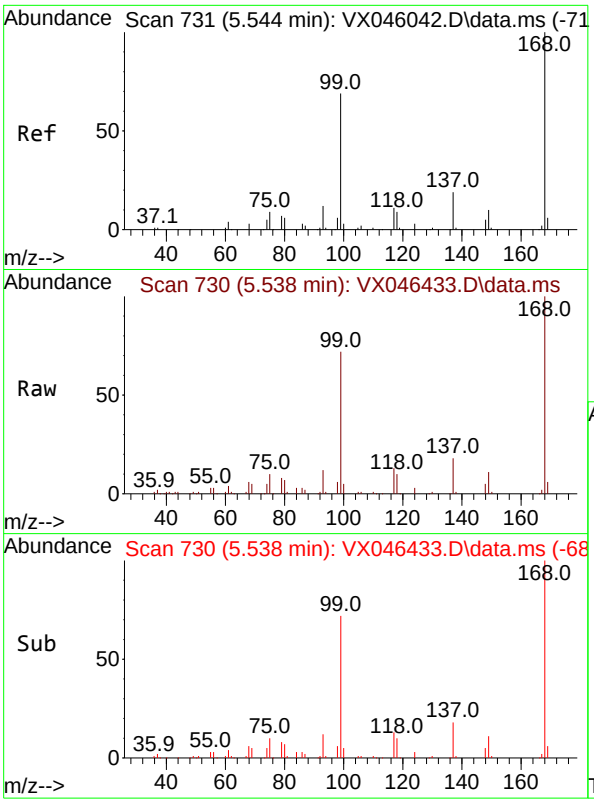
Quant Time: Jun 03 01:24:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

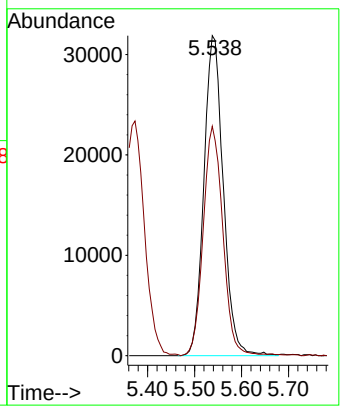




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion:168 Resp: 9124

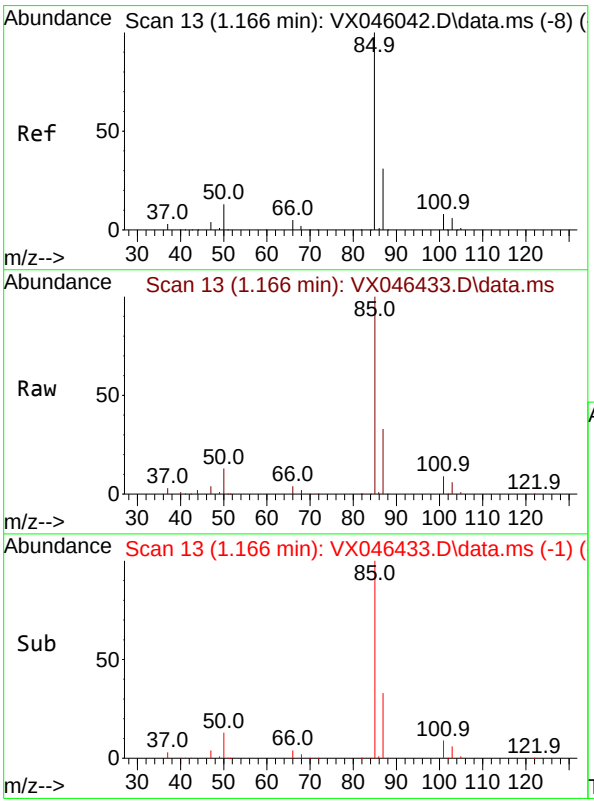
Ion	Ratio	Lower	Upper
168	100		
99	71.4	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

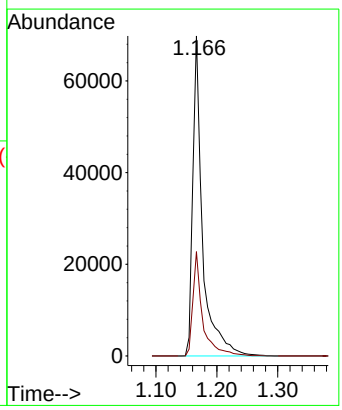
Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

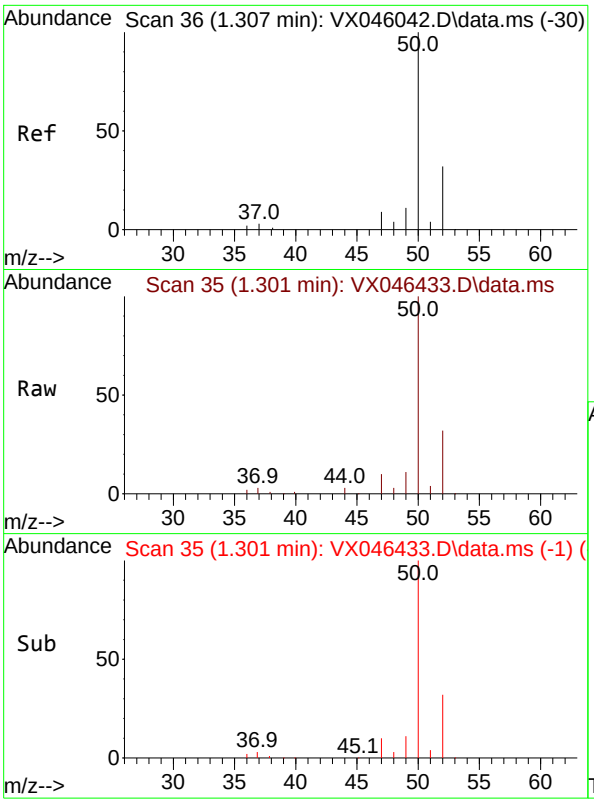


#2
Dichlorodifluoromethane
Concen: 55.466 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 85 Resp: 77464

Ion	Ratio	Lower	Upper
85	100		
87	32.6	15.7	47.1

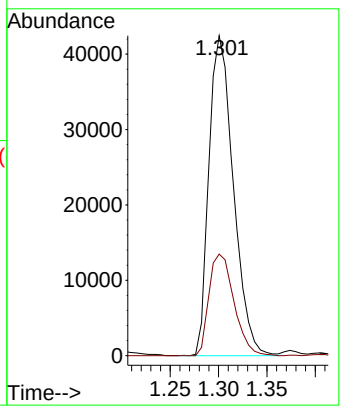




#3
Chloromethane
Concen: 55.048 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 50 Resp: 7455

Ion	Ratio	Lower	Upper
50	100		
52	31.7	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/03/2025
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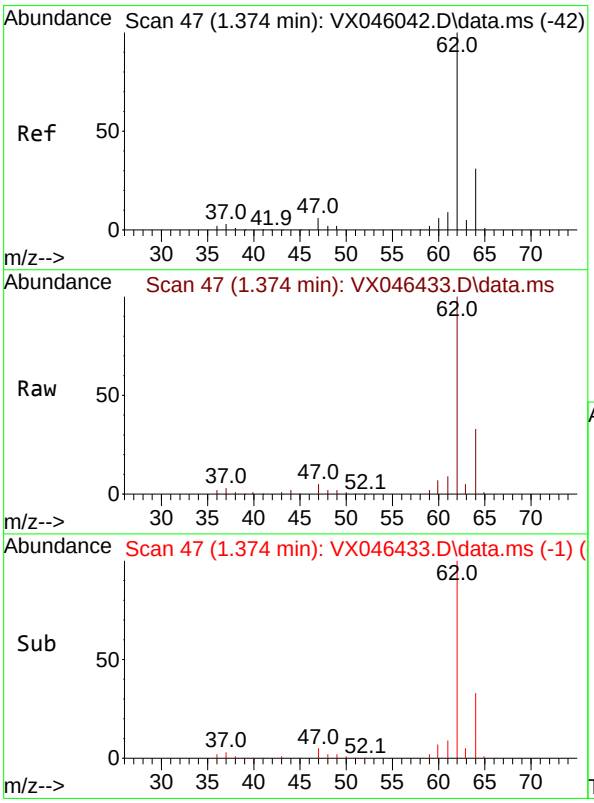
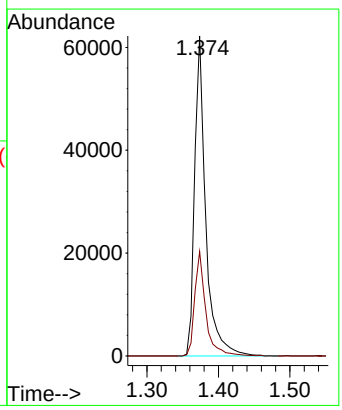
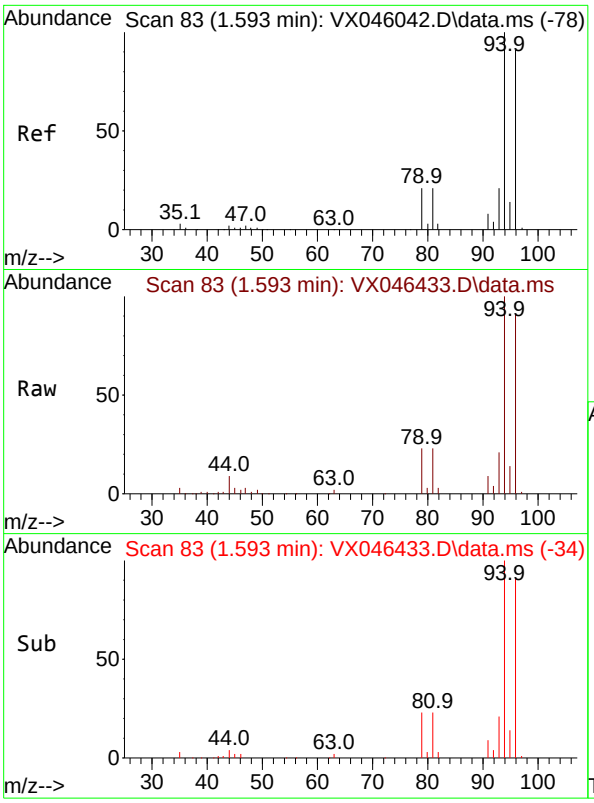


#4
Vinyl Chloride
Concen: 53.142 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 62 Resp: 66984

Ion	Ratio	Lower	Upper
62	100		
64	32.7	25.2	37.8





#5
Bromomethane
Concen: 52.289 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

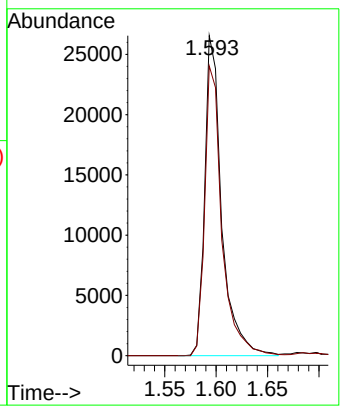
Tgt Ion: 94 Resp: 3057

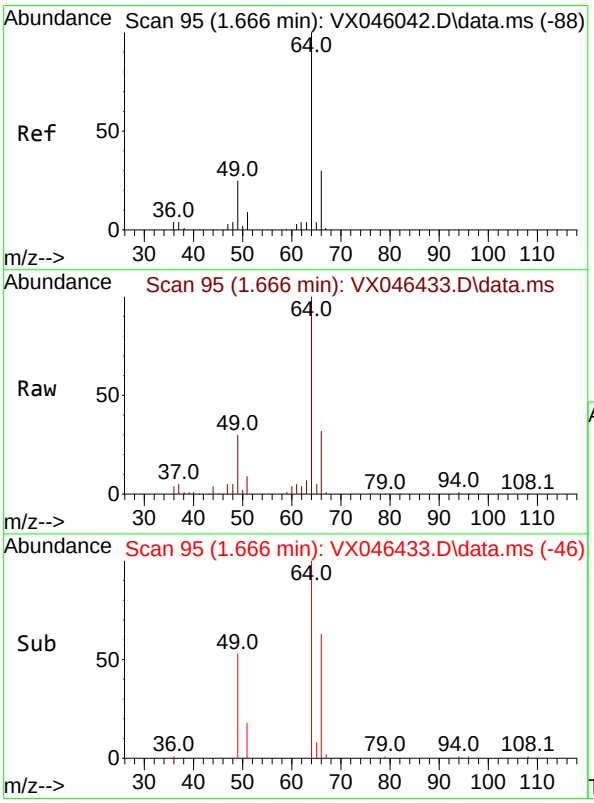
Ion	Ratio	Lower	Upper
94	100		
96	90.5	72.8	109.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

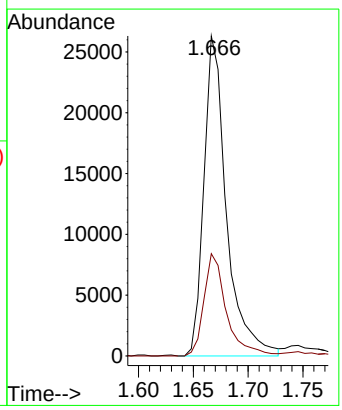


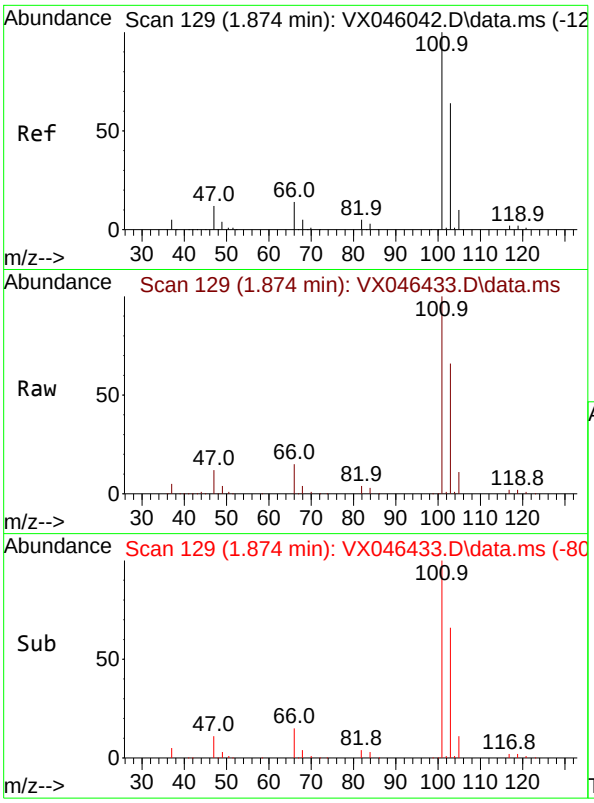


#6
Chloroethane
Concen: 55.901 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 64 Resp: 37616

Ion	Ratio	Lower	Upper
64	100		
66	32.0	24.3	36.5

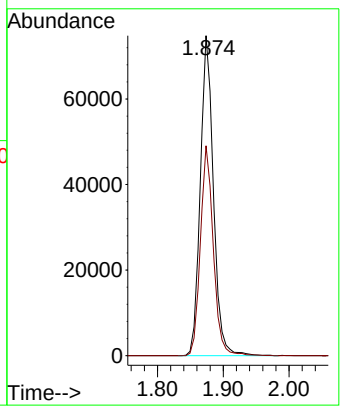




#7
Trichlorofluoromethane
Concen: 55.667 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion:101 Resp: 10370

Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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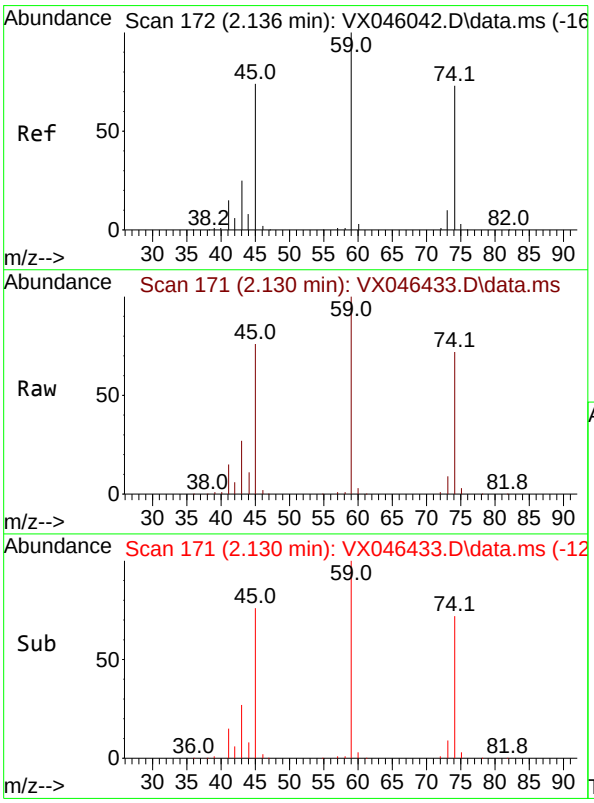
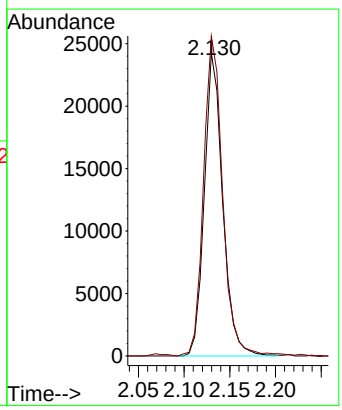
Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

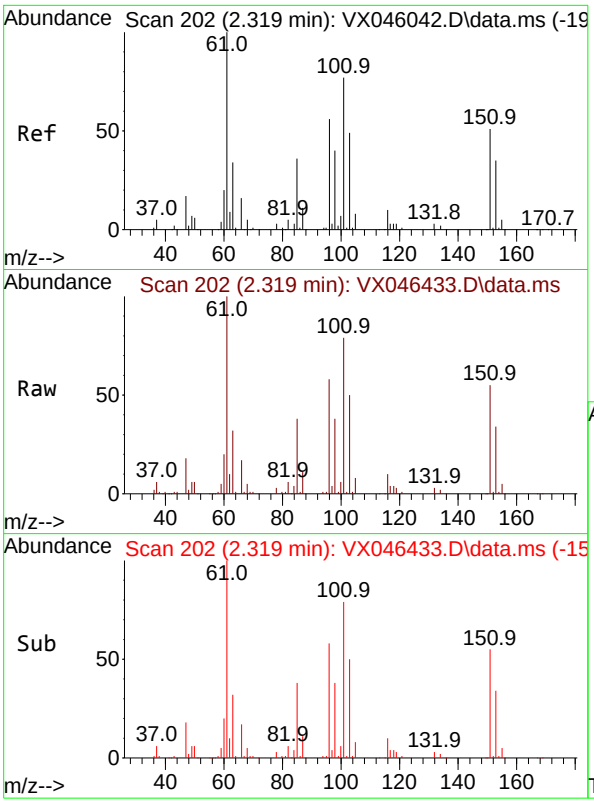


#8
Diethyl Ether
Concen: 53.276 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 74 Resp: 33785

Ion	Ratio	Lower	Upper
74	100		
45	109.8	54.9	164.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 57.176 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion:101 Resp: 6591

Ion	Ratio	Lower	Upper
101	100		
85	46.6	38.6	58.0
151	69.7	55.2	82.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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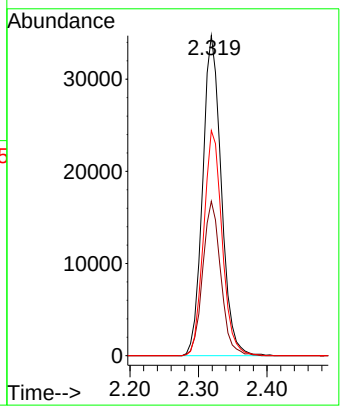
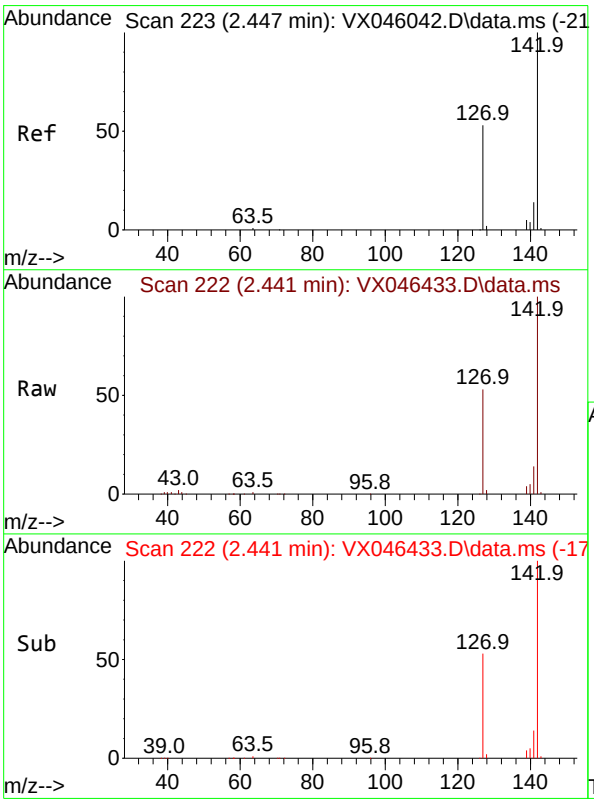
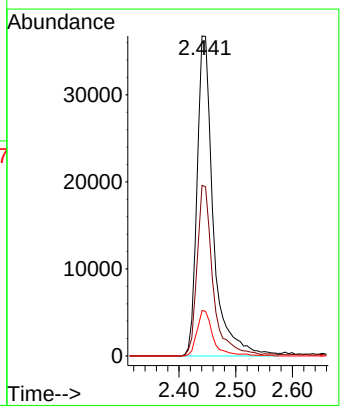


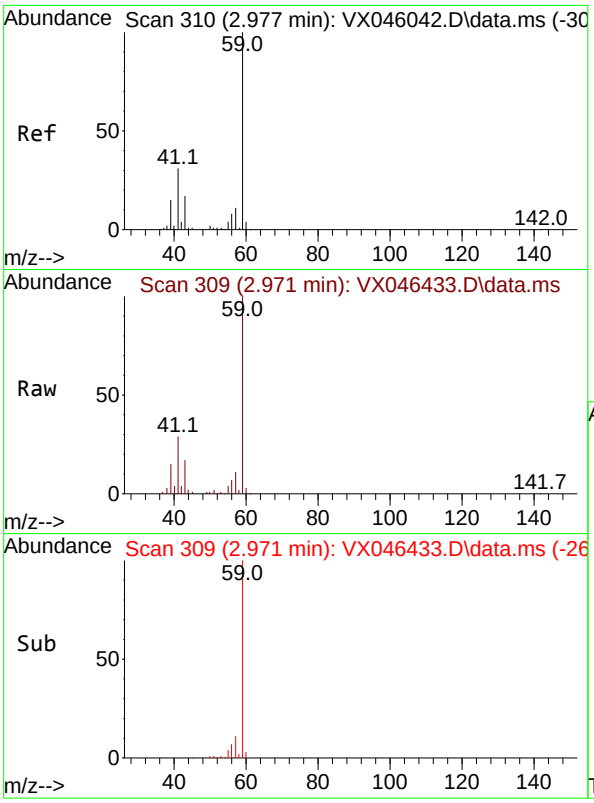


#10
Methyl Iodide
Concen: 53.713 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion:142 Resp: 73271

Ion	Ratio	Lower	Upper
142	100		
127	52.2	41.7	62.5
141	14.1	11.5	17.3





#11
Tert butyl alcohol
Concen: 249.749 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 59 Resp: 5963

Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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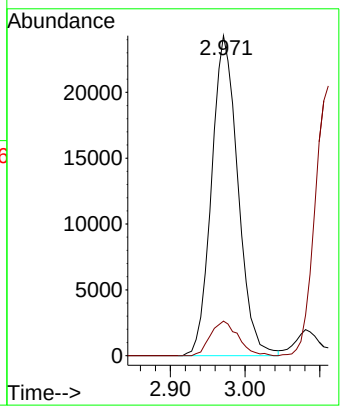
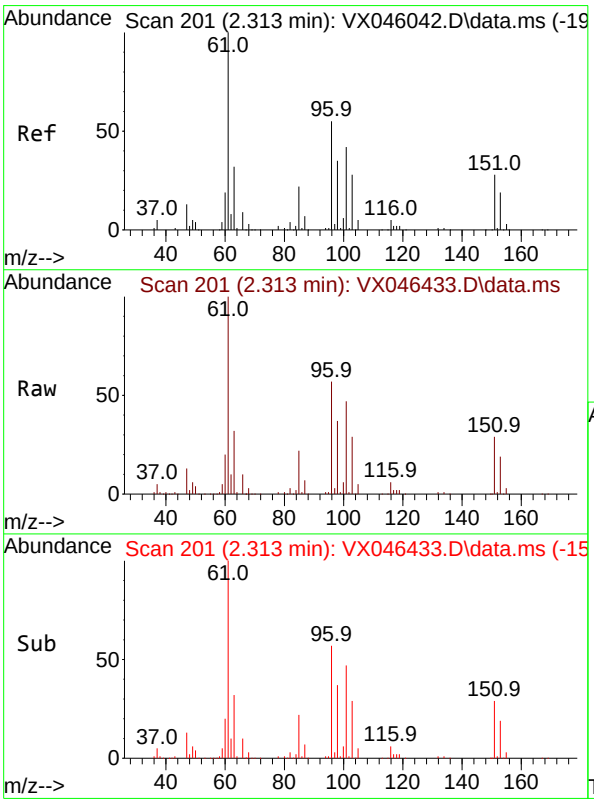
Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

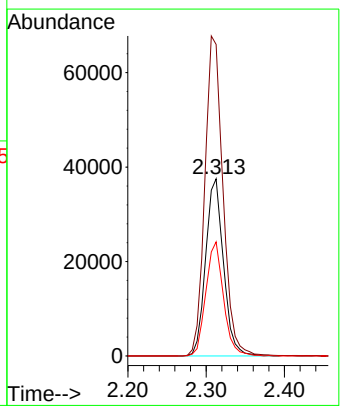


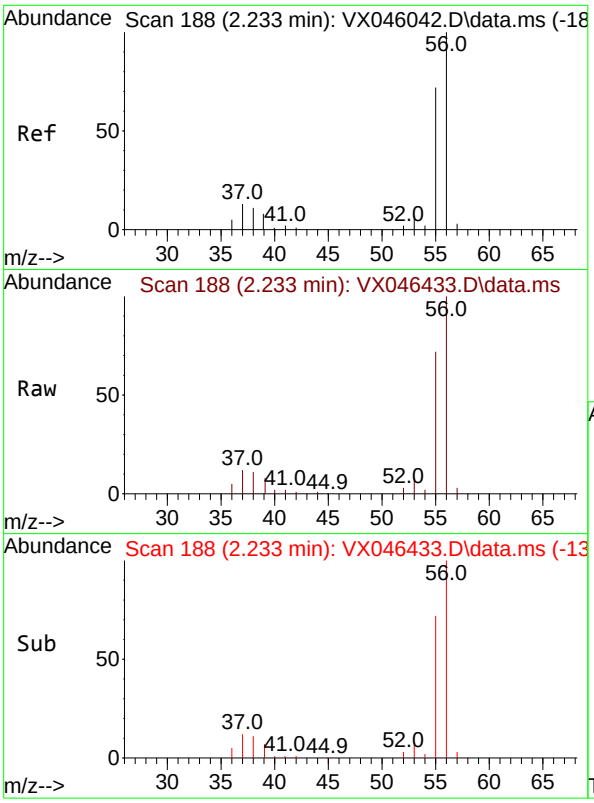


#12
1,1-Dichloroethene
Concen: 54.835 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 96 Resp: 59329

Ion	Ratio	Lower	Upper
96	100		
61	175.8	146.2	219.2
98	64.4	51.0	76.6

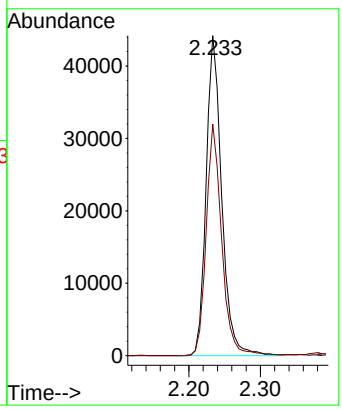




#13
Acrolein
Concen: 245.681 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 56 Resp: 6681

Ion	Ratio	Lower	Upper
56	100		
55	72.1	56.2	84.4



Instrument :
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ClientSampleId :
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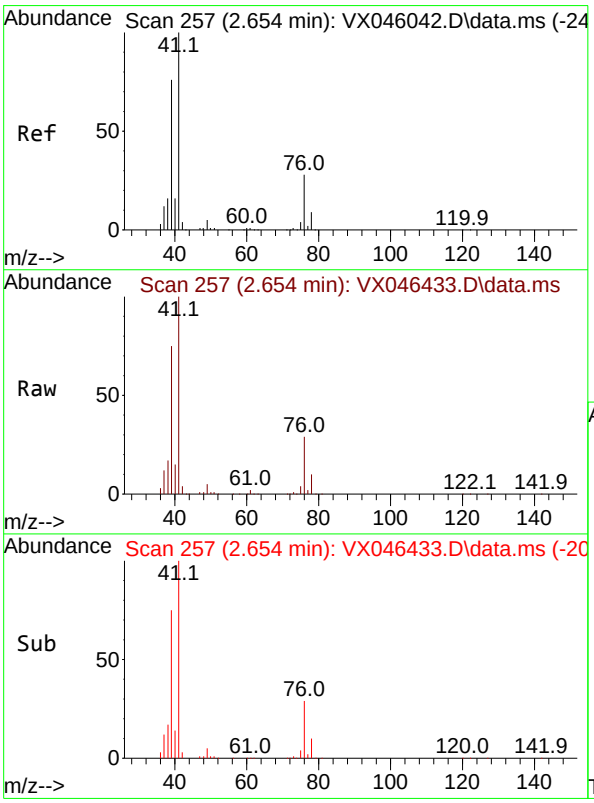
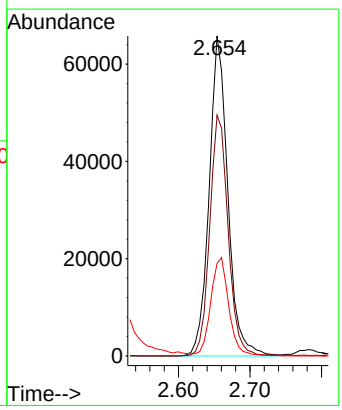
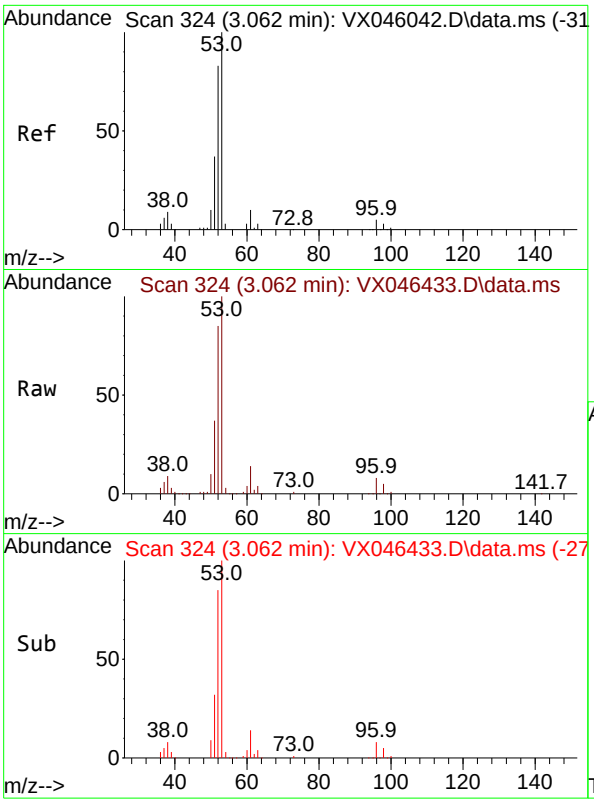


#14
Allyl chloride
Concen: 57.739 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 41 Resp: 119395

Ion	Ratio	Lower	Upper
41	100		
39	74.3	60.6	90.8
76	29.8	24.9	37.3

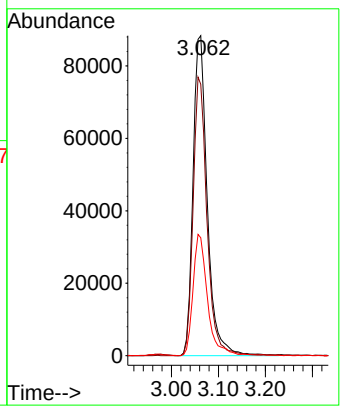




#15
Acrylonitrile
Concen: 274.035 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 53 Resp: 18711

Ion	Ratio	Lower	Upper
53	100		
52	84.8	65.3	97.9
51	38.2	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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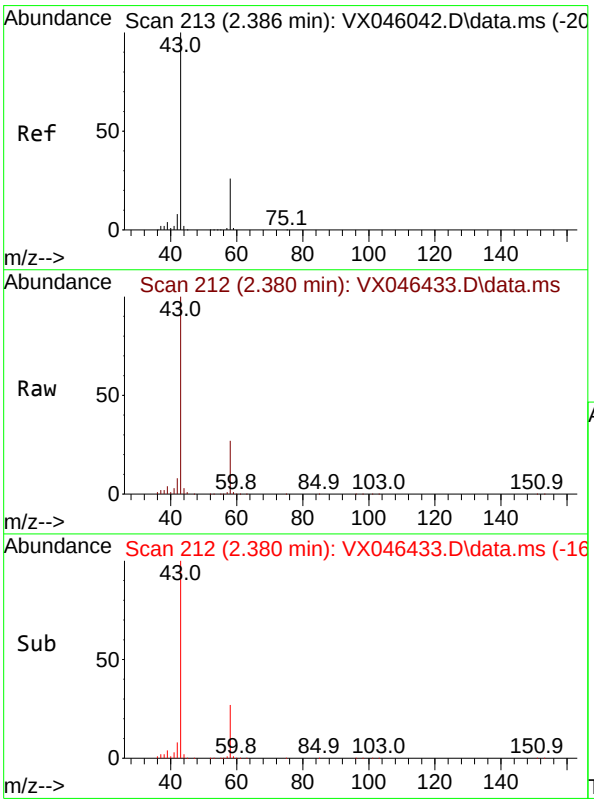
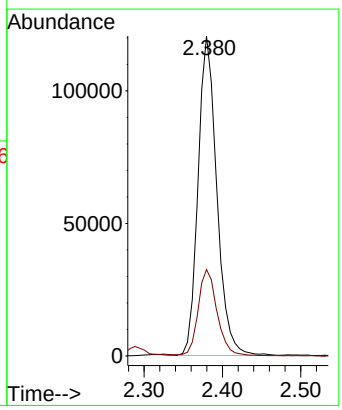
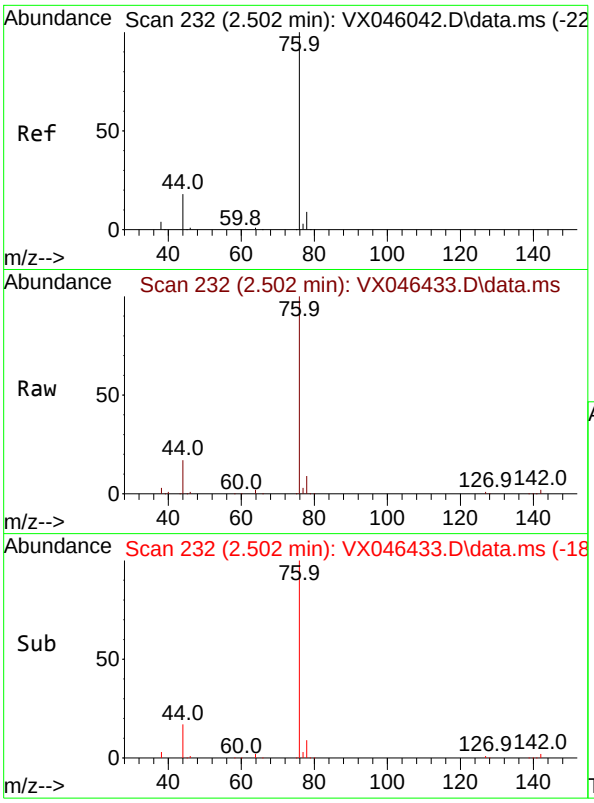


#16
Acetone
Concen: 293.784 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 43 Resp: 200383

Ion	Ratio	Lower	Upper
43	100		
58	26.9	21.2	31.8





#17
Carbon Disulfide
Concen: 54.077 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 76 Resp: 13871

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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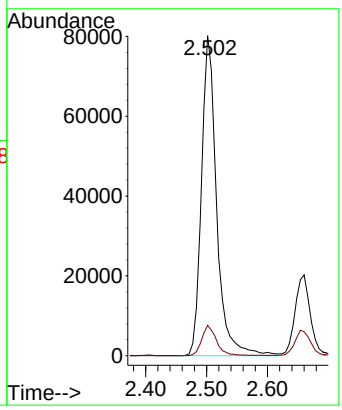
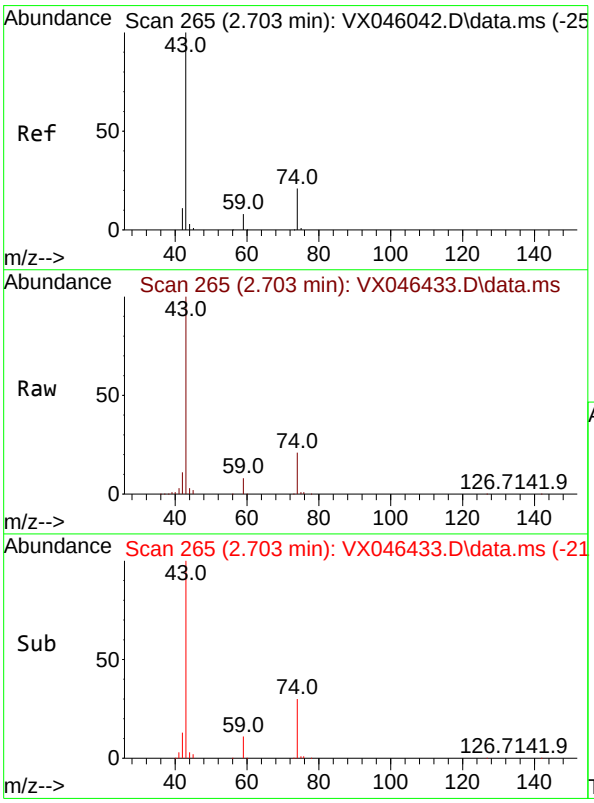
Supervised By :Mahesh Dadoda 06/03/2025

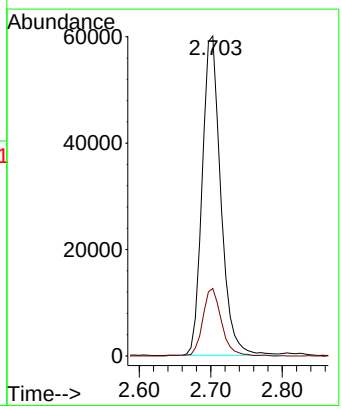


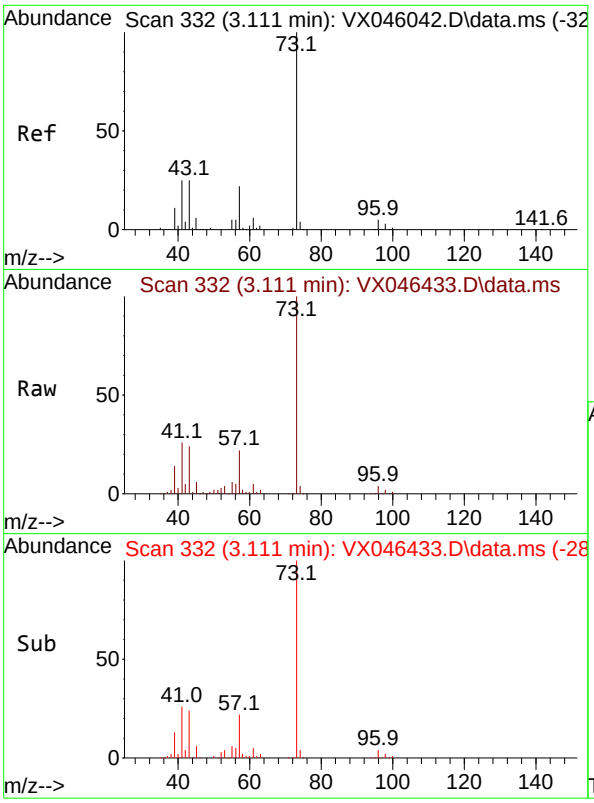


#18
Methyl Acetate
Concen: 68.541 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 43 Resp: 108485

Ion	Ratio	Lower	Upper
43	100		
74	21.3	16.7	25.1

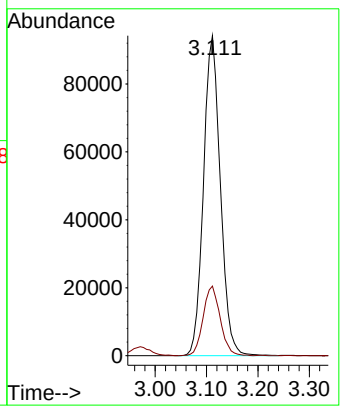




#19
Methyl tert-butyl Ether
Concen: 56.604 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 73 Resp: 21471

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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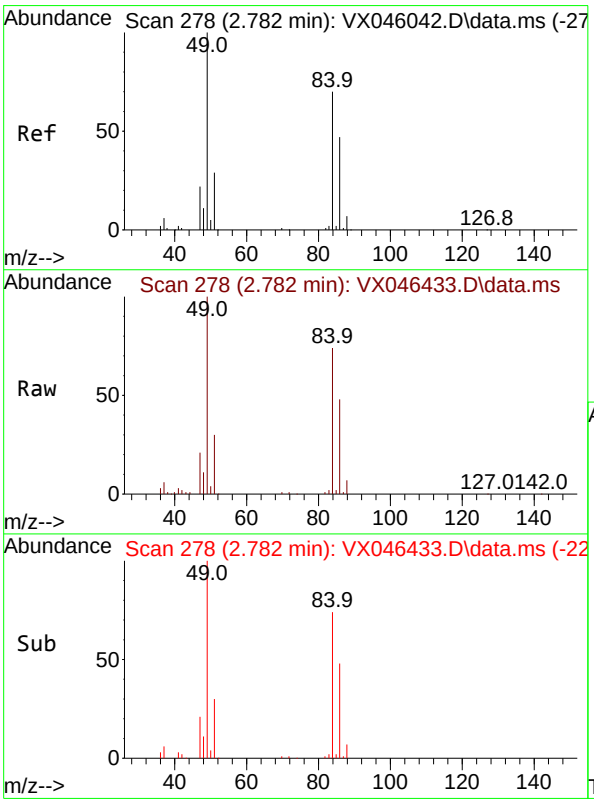
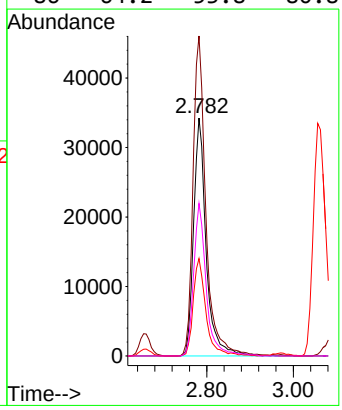
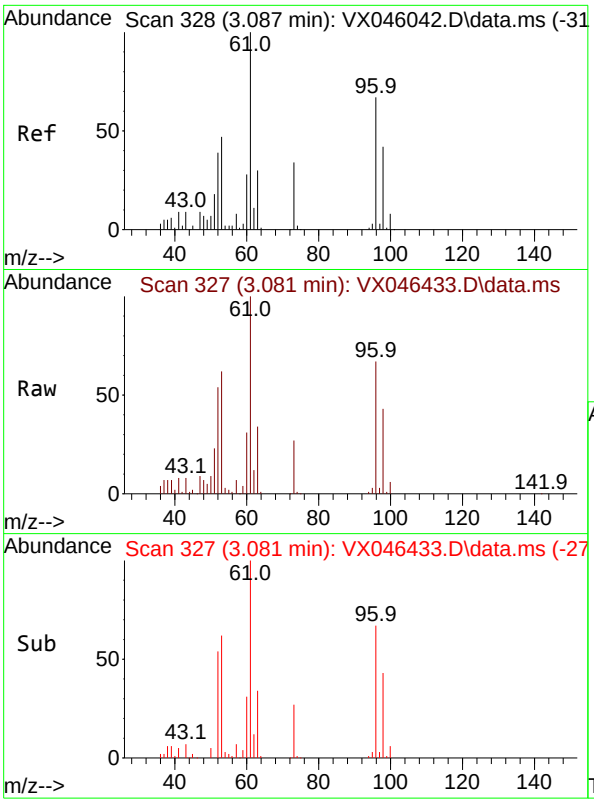


#20
Methylene Chloride
Concen: 52.861 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 84 Resp: 69094

Ion	Ratio	Lower	Upper
84	100		
49	134.5	113.9	170.9
51	41.0	33.5	50.3
86	64.2	53.8	80.8

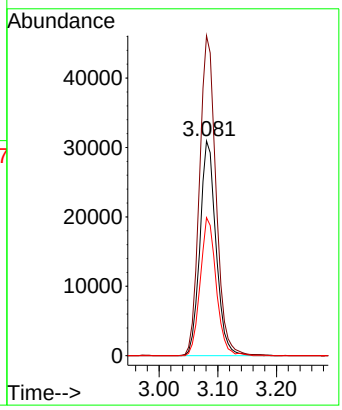




#21
trans-1,2-Dichloroethene
Concen: 54.056 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 96 Resp: 5881

Ion	Ratio	Lower	Upper
96	100		
61	149.0	119.5	179.3
98	64.3	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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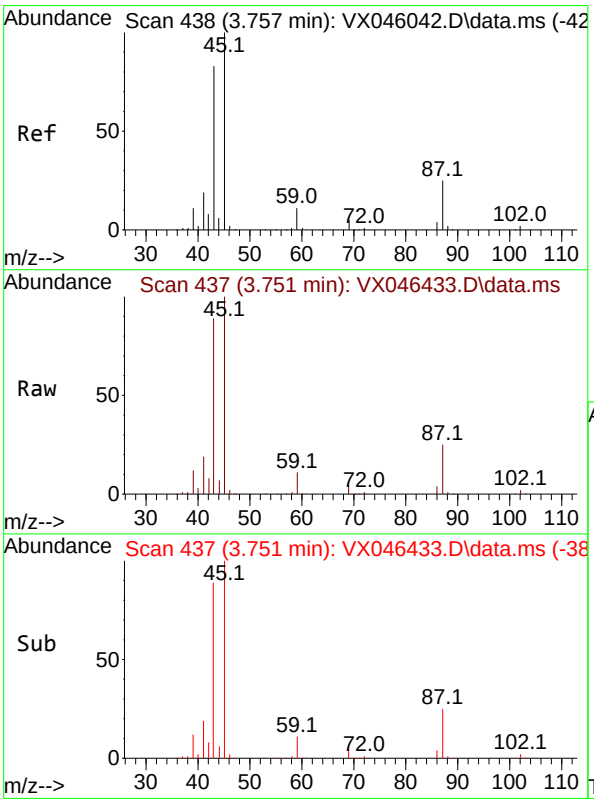
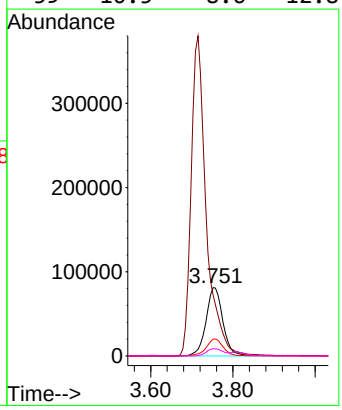
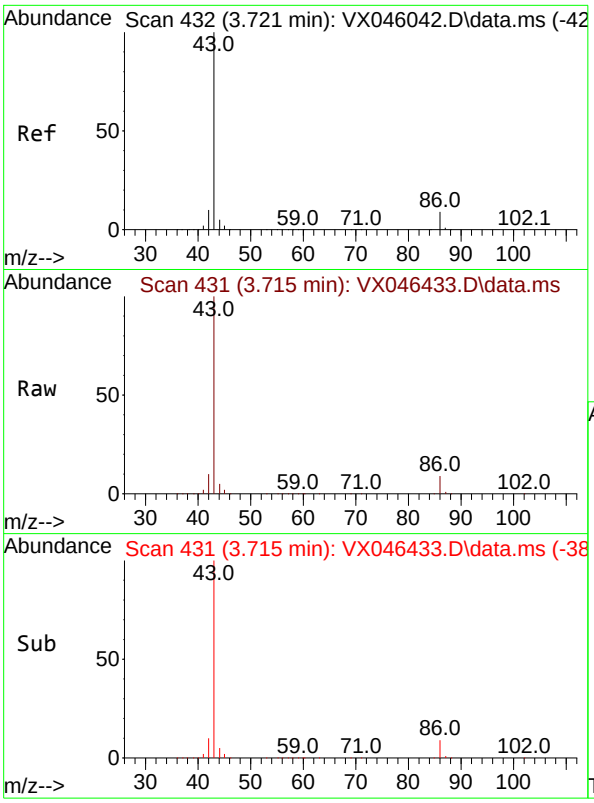


#22
Diisopropyl ether
Concen: 57.886 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 45 Resp: 231216

Ion	Ratio	Lower	Upper
45	100		
43	89.1	66.6	100.0
87	24.6	19.8	29.6
59	10.5	8.6	12.8





#23
Vinyl Acetate
Concen: 277.004 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 43 Resp: 97315

Ion	Ratio	Lower	Upper
43	100		
86	9.5	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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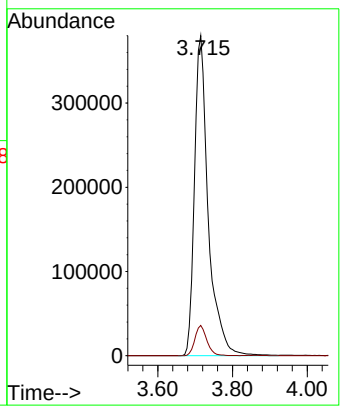
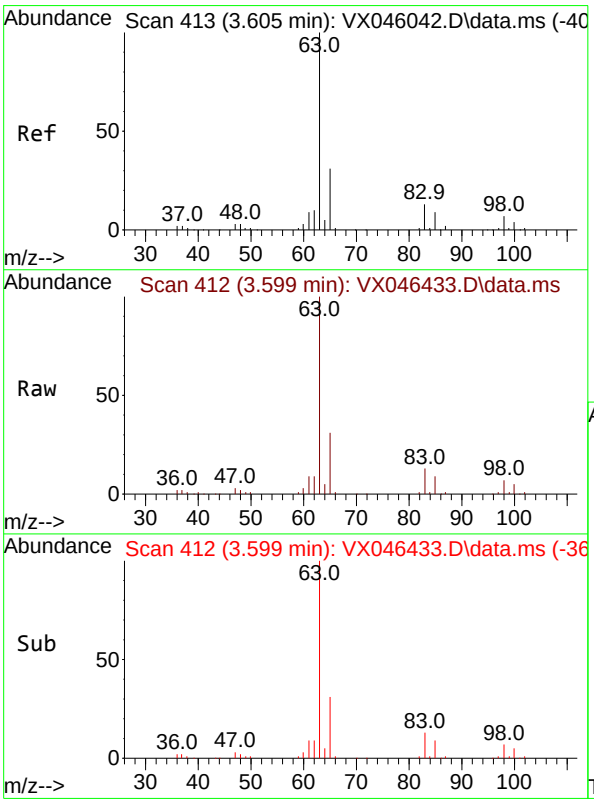
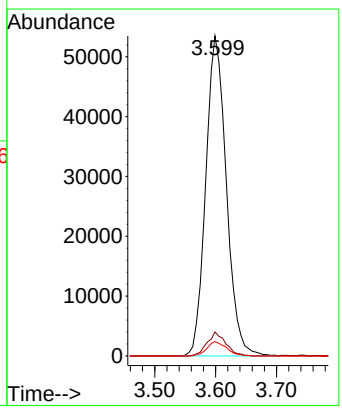


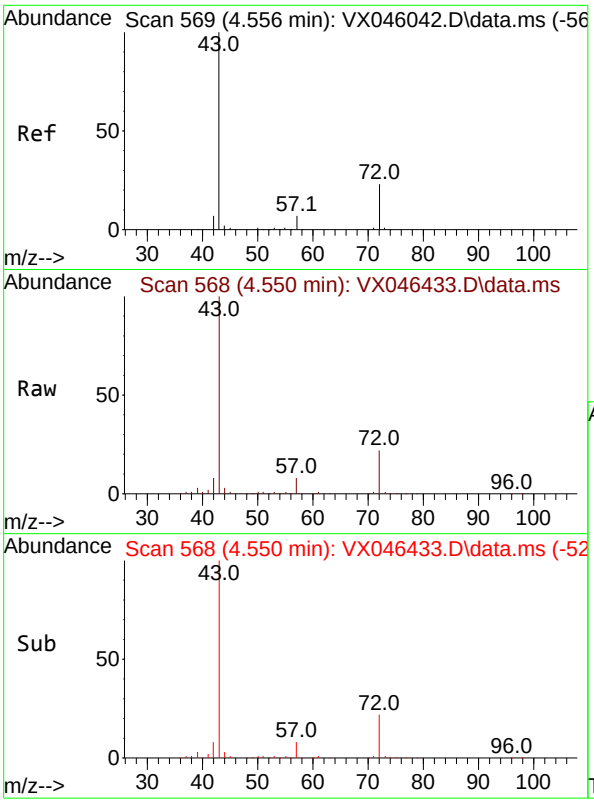


#24
1,1-Dichloroethane
Concen: 56.565 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 63 Resp: 125843

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.6	10.8
100	4.5	2.1	6.3





#25
2-Butanone
Concen: 278.140 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 43 Resp: 27542

Ion	Ratio	Lower	Upper
43	100		
72	22.4	18.4	27.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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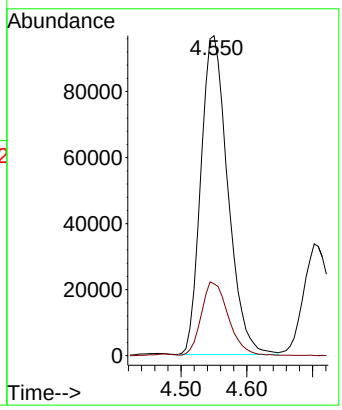
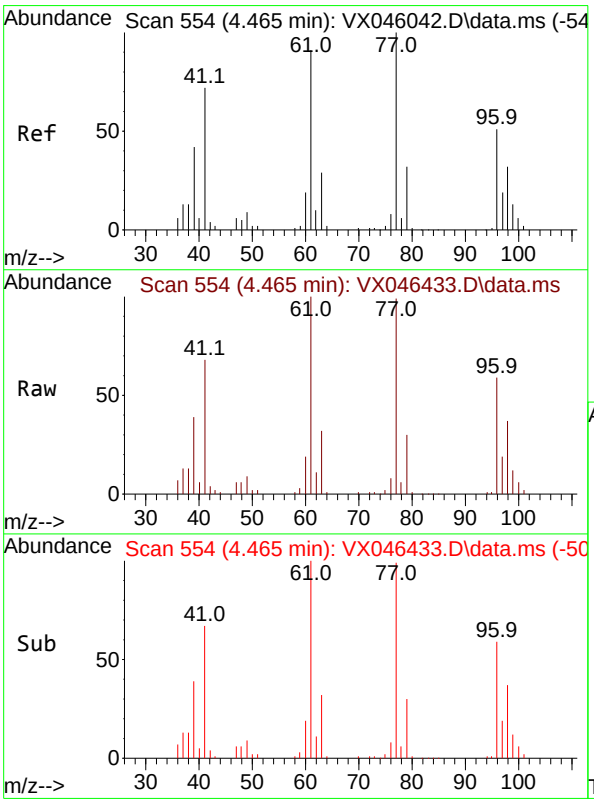
Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

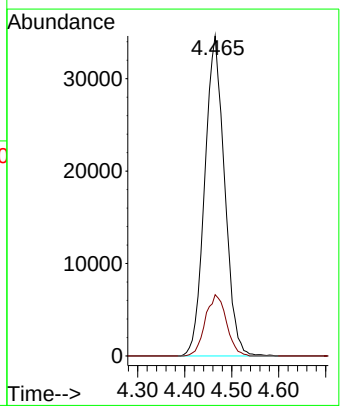


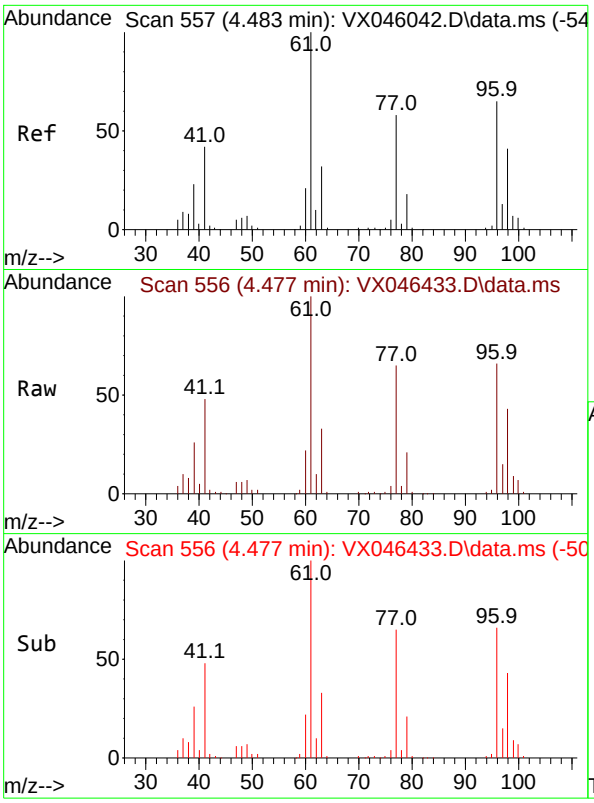


#26
2,2-Dichloropropane
Concen: 58.249 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 77 Resp: 101430

Ion	Ratio	Lower	Upper
77	100		
97	20.3	10.5	31.5





#27
cis-1,2-Dichloroethene
Concen: 56.099 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 96 Resp: 7348

Ion	Ratio	Lower	Upper
96	100		
61	159.9	0.0	322.8
98	63.4	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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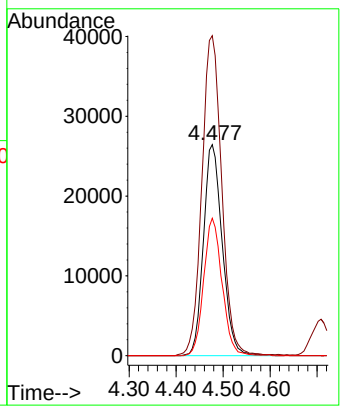
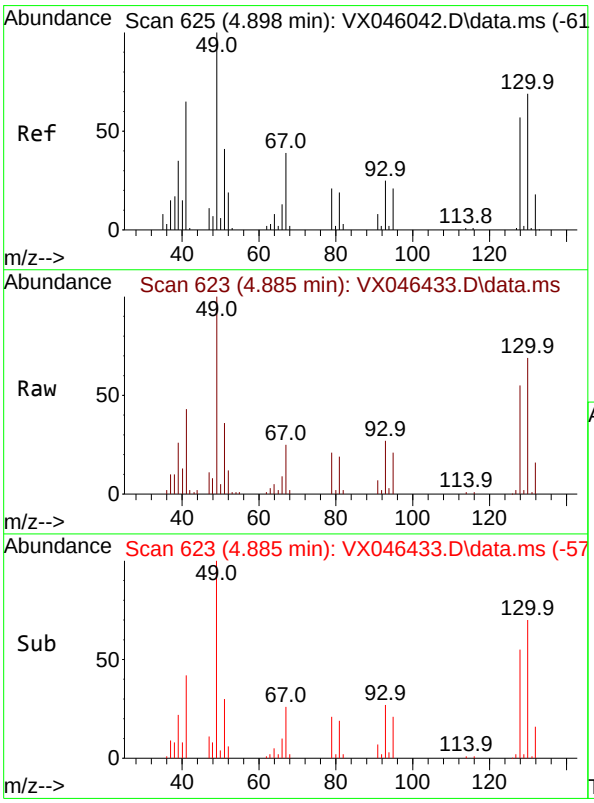
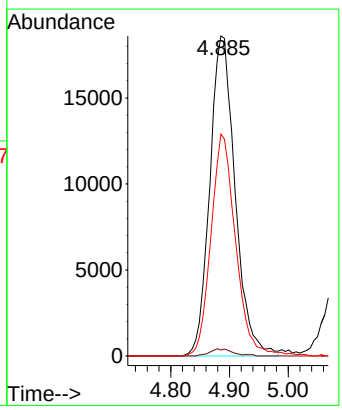


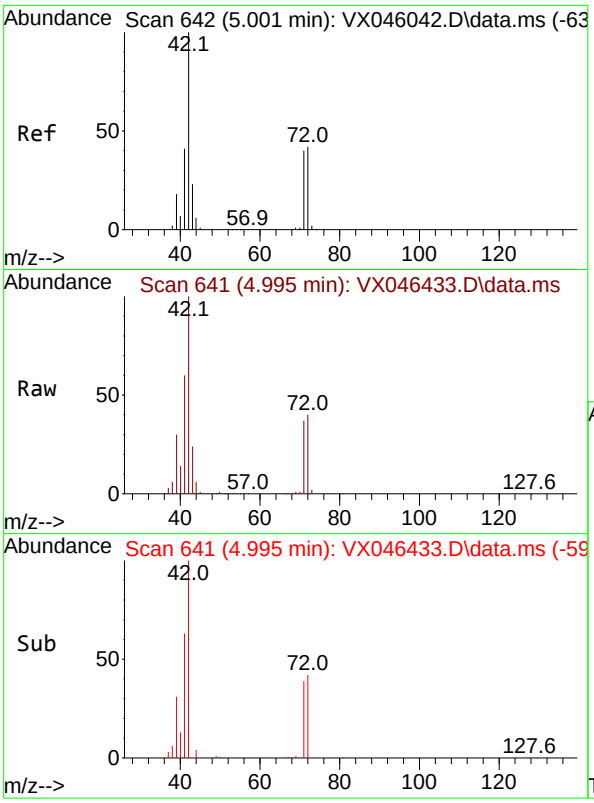


#28
Bromochloromethane
Concen: 52.003 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.012 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 49 Resp: 55689

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	67.8	56.2	84.2





#29
Tetrahydrofuran
Concen: 272.299 ug/l
RT: 4.995 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 42 Resp: 16896

Ion	Ratio	Lower	Upper
42	100		
72	41.0	33.7	50.5
71	37.6	31.4	47.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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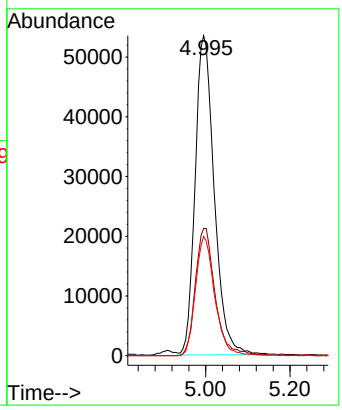
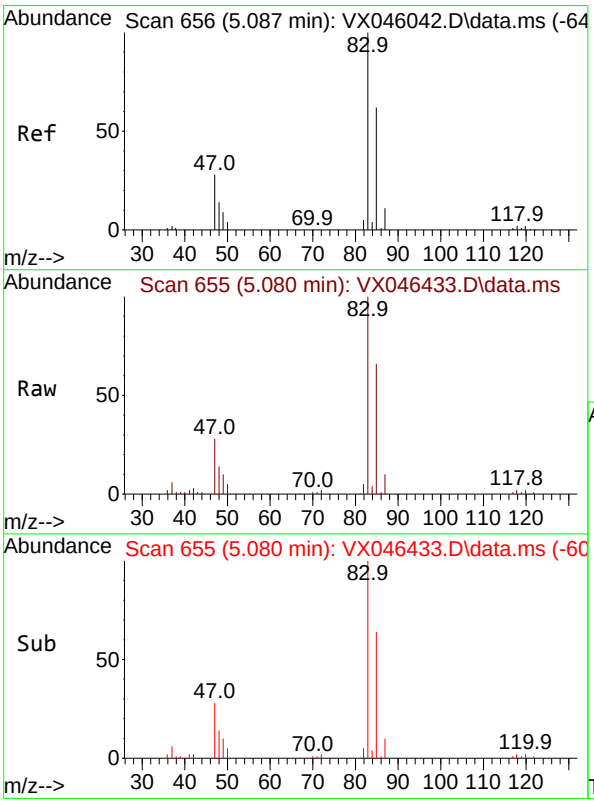
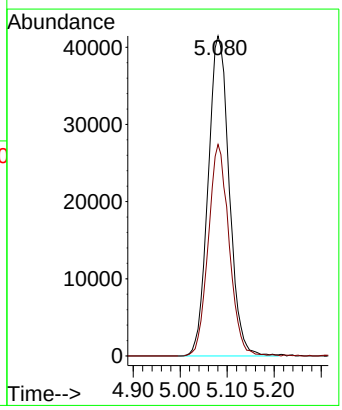


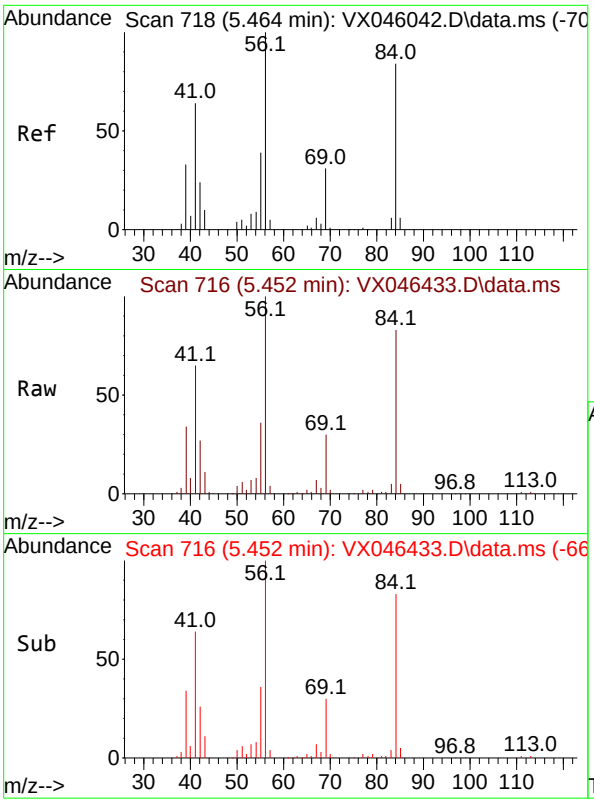


#30
Chloroform
Concen: 55.826 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 83 Resp: 129453

Ion	Ratio	Lower	Upper
83	100		
85	66.1	49.3	73.9

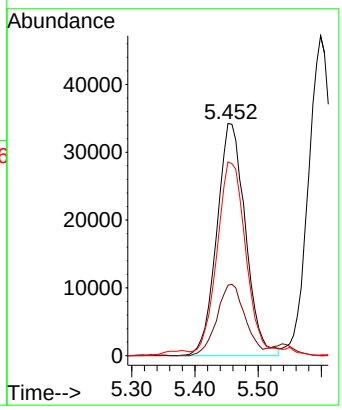




#31
Cyclohexane
Concen: 52.958 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 56 Resp: 10736

Ion	Ratio	Lower	Upper
56	100		
69	30.3	24.4	36.6
84	81.5	66.9	100.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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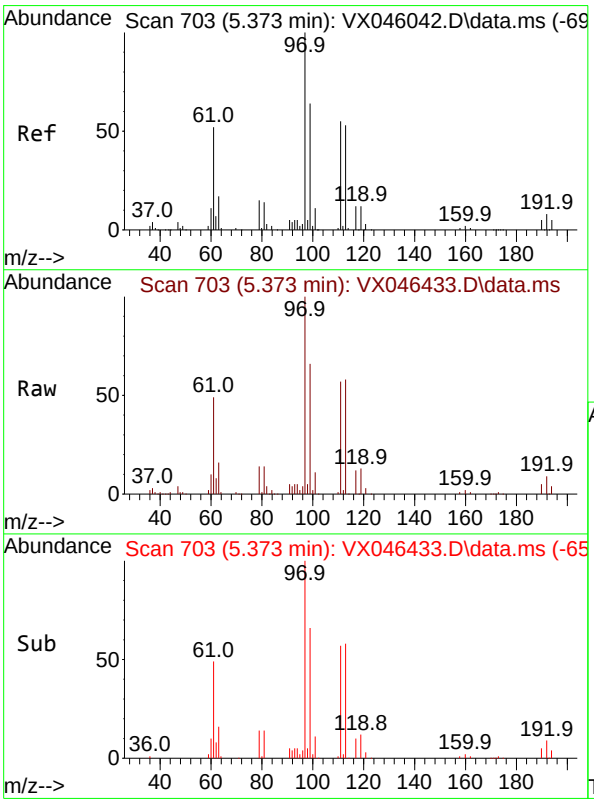
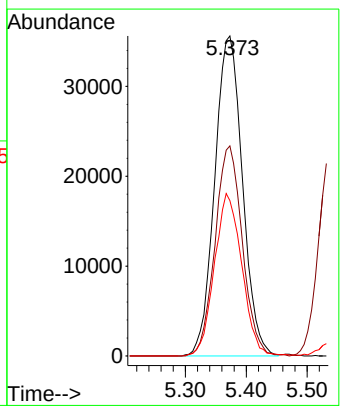
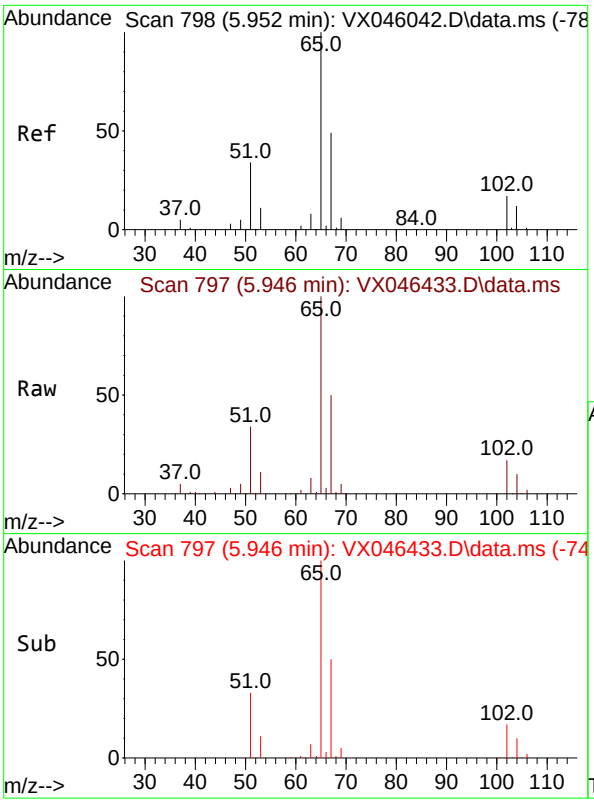


#32
1,1,1-Trichloroethane
Concen: 56.155 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 97 Resp: 112877

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.8	77.6
61	50.2	40.1	60.1





#33
1,2-Dichloroethane-d4
Concen: 50.232 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 65 Resp: 8545

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	99.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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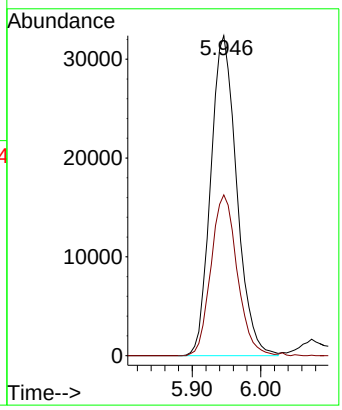
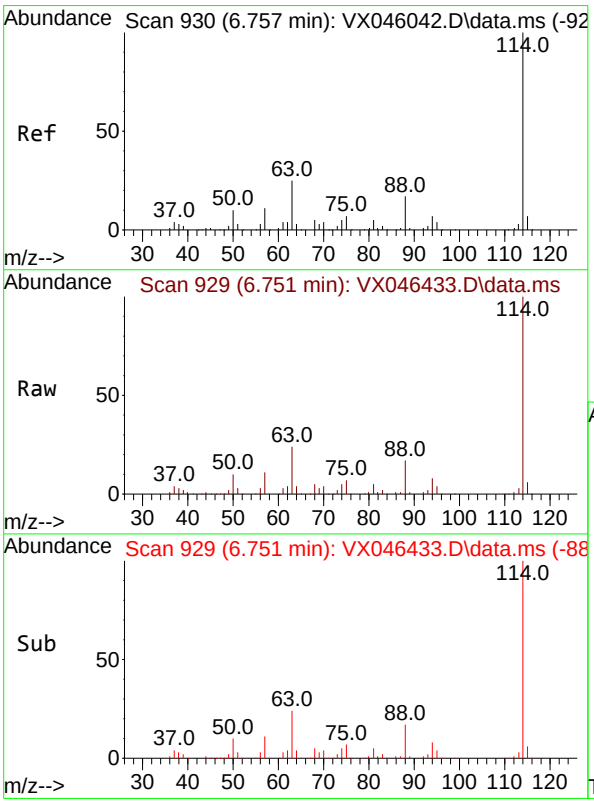
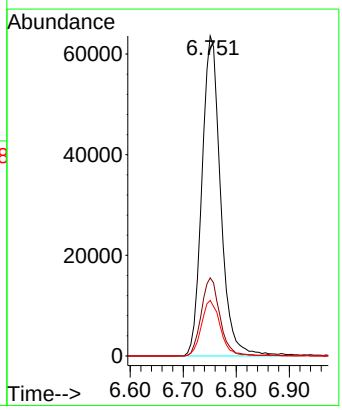


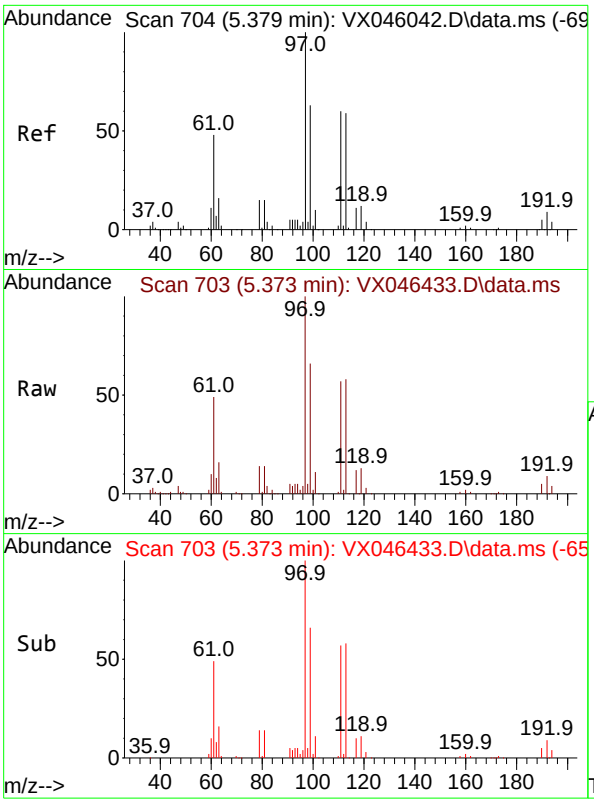


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion:114 Resp: 155497

Ion	Ratio	Lower	Upper
114	100		
63	24.4	0.0	49.2
88	17.4	0.0	33.6

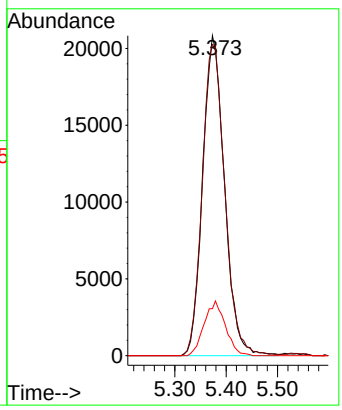




#35
Dibromofluoromethane
Concen: 54.769 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion:113 Resp: 6132

Ion	Ratio	Lower	Upper
113	100		
111	100.9	83.1	124.7
192	16.7	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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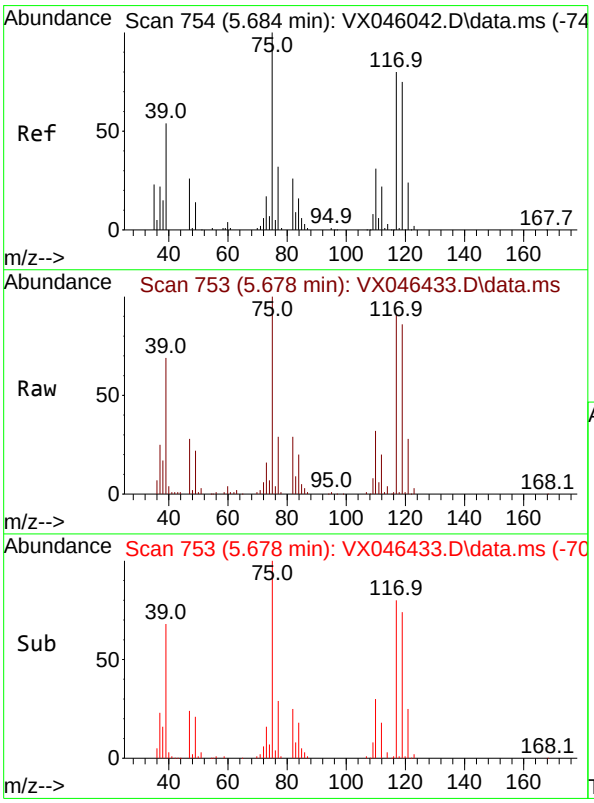
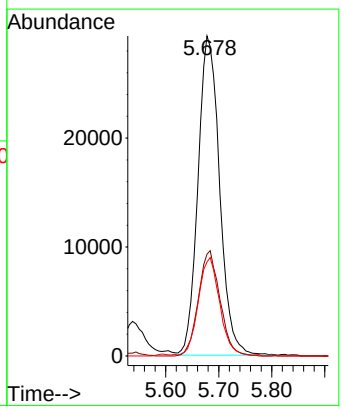
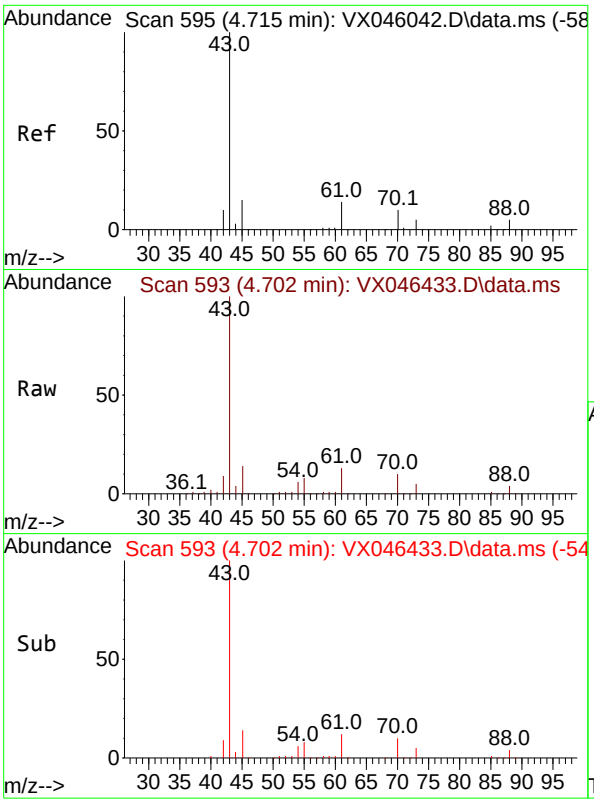


#36
1,1-Dichloropropene
Concen: 55.170 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 75 Resp: 83002

Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.3	48.9
77	30.2	24.3	36.5

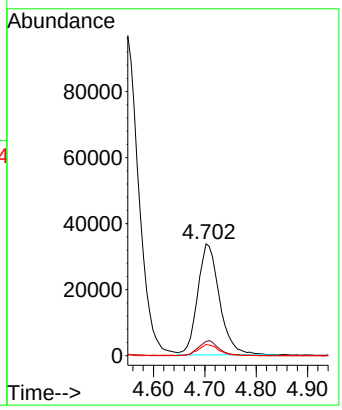




#37
Ethyl Acetate
Concen: 53.466 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 43 Resp: 9938

Ion	Ratio	Lower	Upper
43	100		
61	11.9	10.3	15.5
70	9.6	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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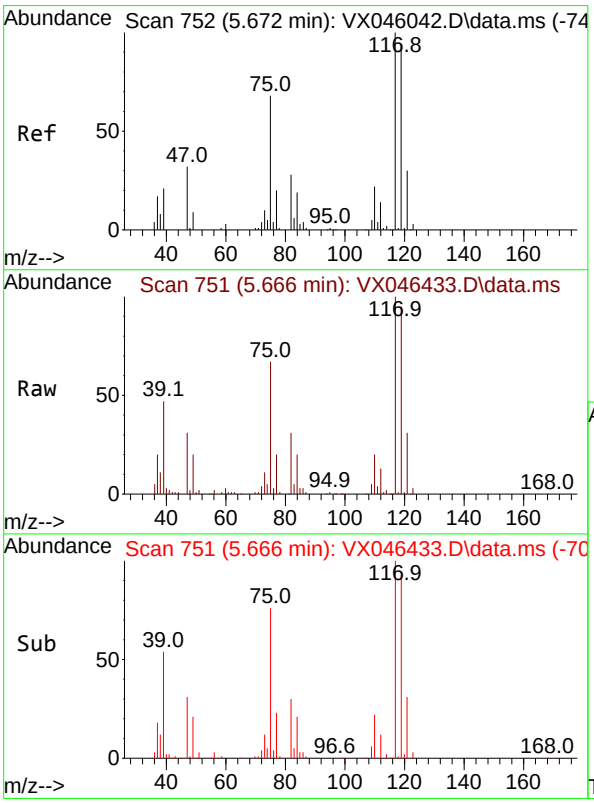
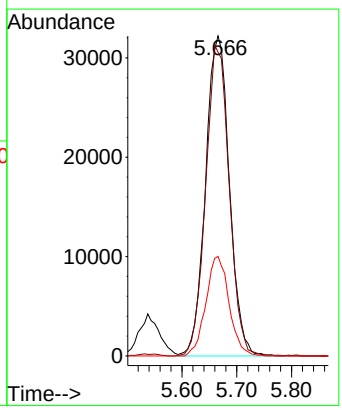
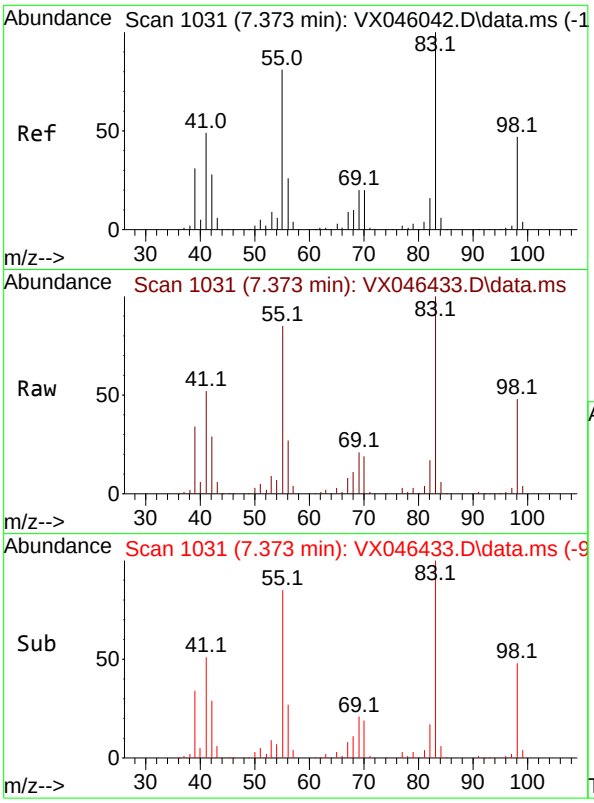


#38
Carbon Tetrachloride
Concen: 57.505 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion:117 Resp: 97207

Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.2	112.8
121	31.1	24.2	36.4

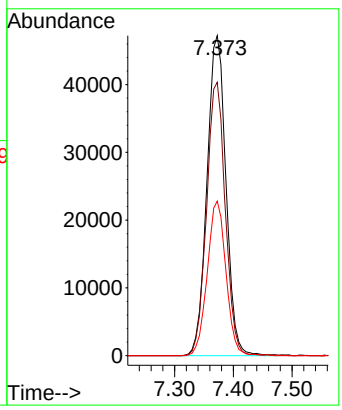




#39
Methylcyclohexane
Concen: 54.674 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 83 Resp: 10589

Ion	Ratio	Lower	Upper
83	100		
55	85.4	64.7	97.1
98	48.3	37.4	56.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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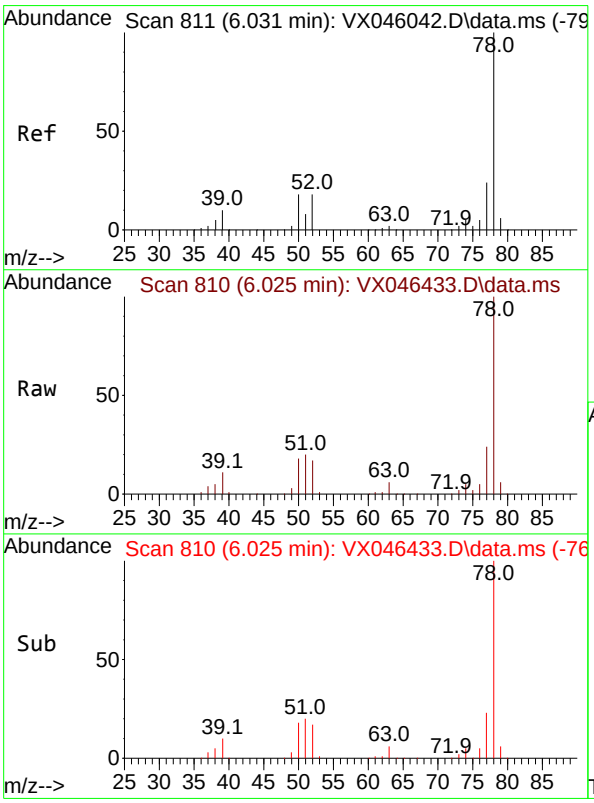
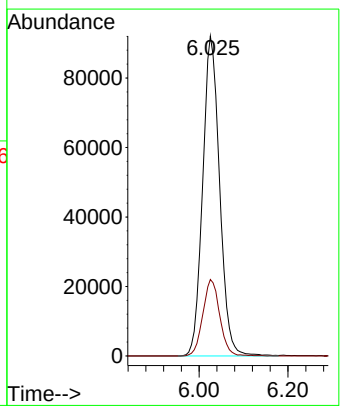
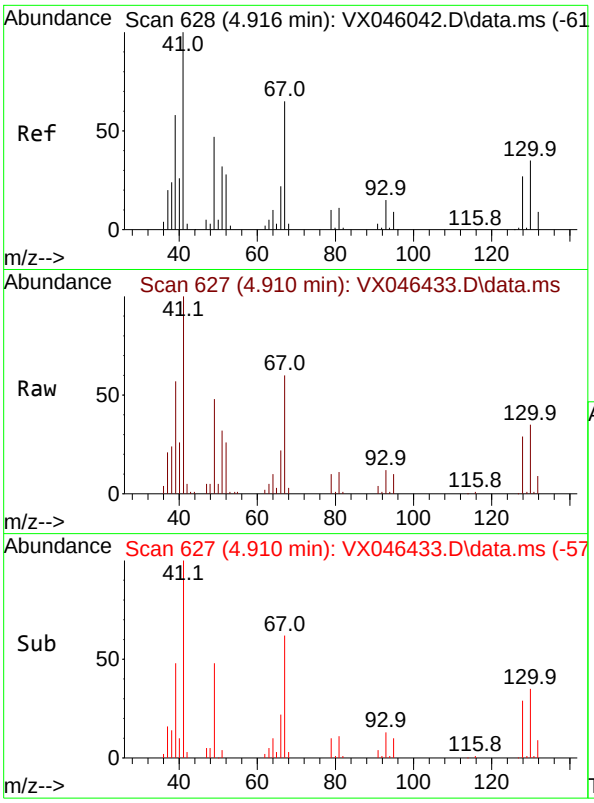


#40
Benzene
Concen: 55.573 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 78 Resp: 244897

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4

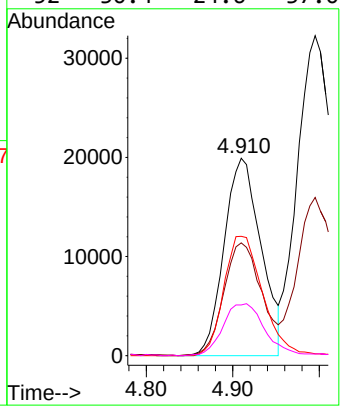




#41
Methacrylonitrile
Concen: 60.801 ug/l
RT: 4.910 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 41 Resp: 5912

Ion	Ratio	Lower	Upper
41	100		
39	58.6	47.2	70.8
67	63.8	50.7	76.1
52	30.4	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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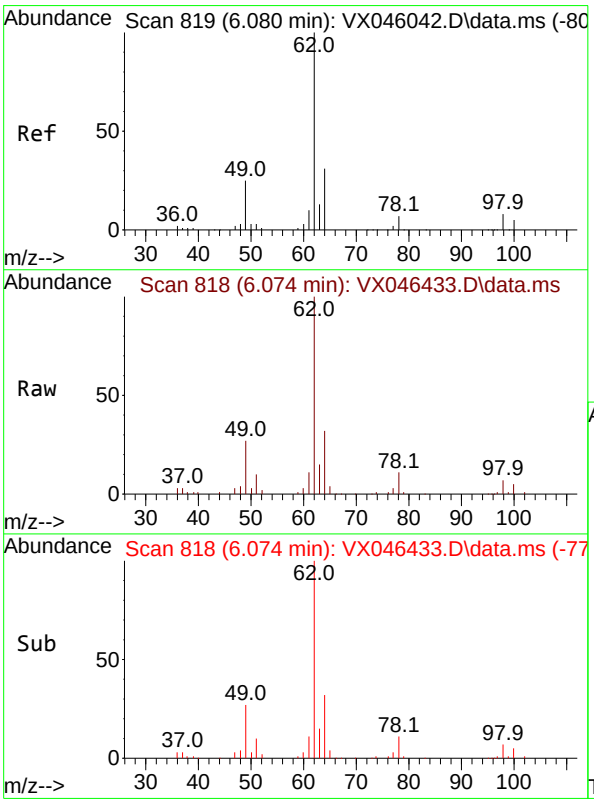
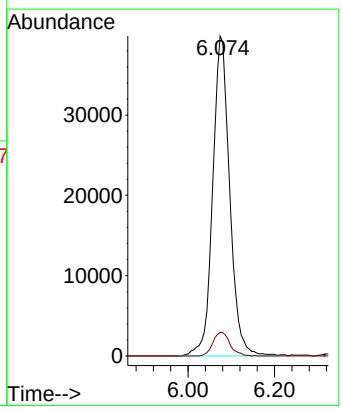
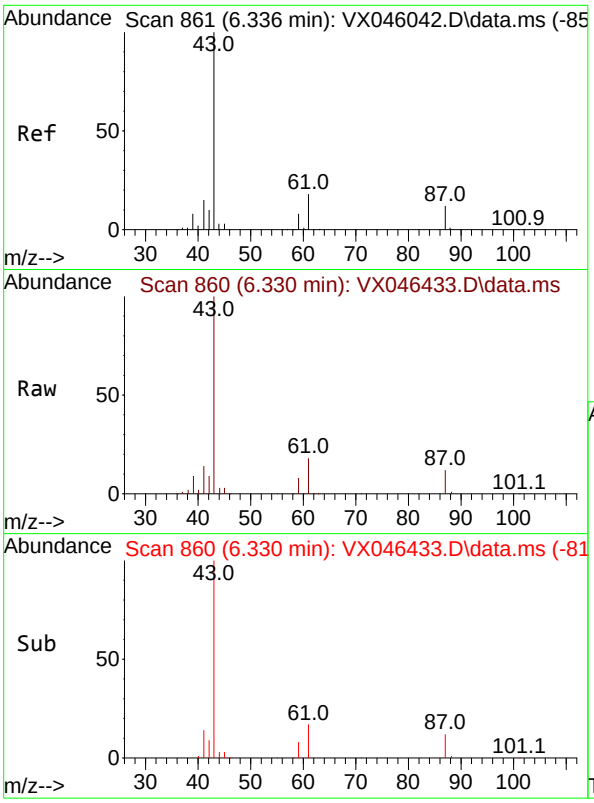


#42
1,2-Dichloroethane
Concen: 57.128 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 62 Resp: 108654

Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.2

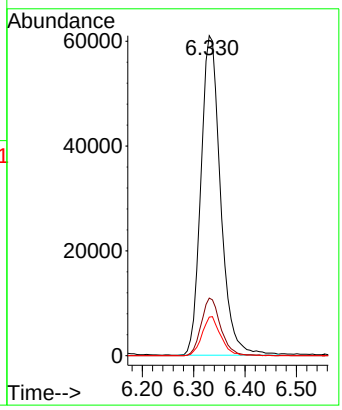




#43
Isopropyl Acetate
Concen: 57.141 ug/l
RT: 6.330 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 43 Resp: 16203

Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.3	21.5
87	11.6	9.5	14.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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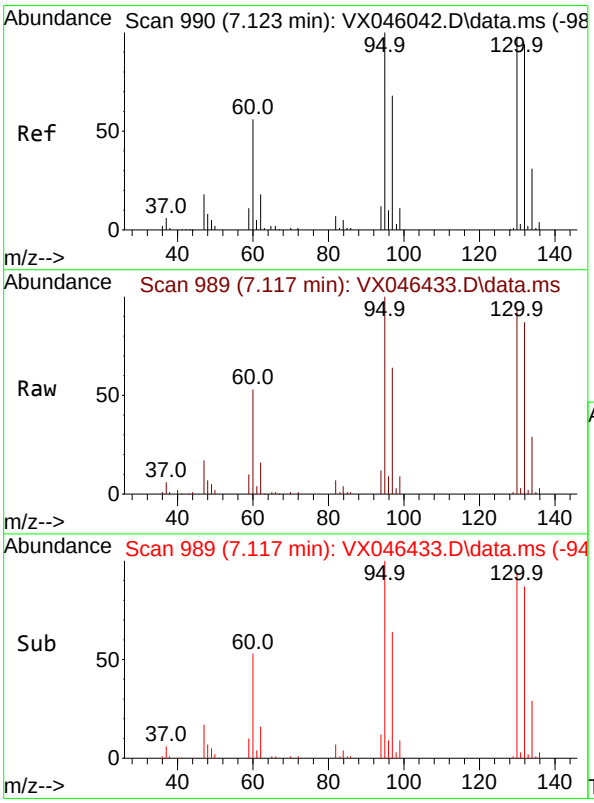
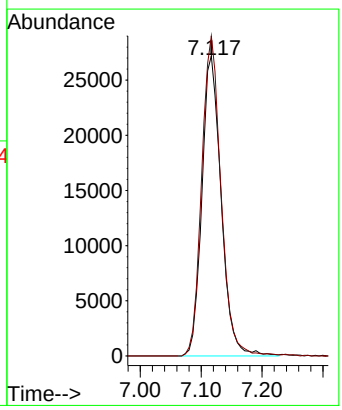
Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

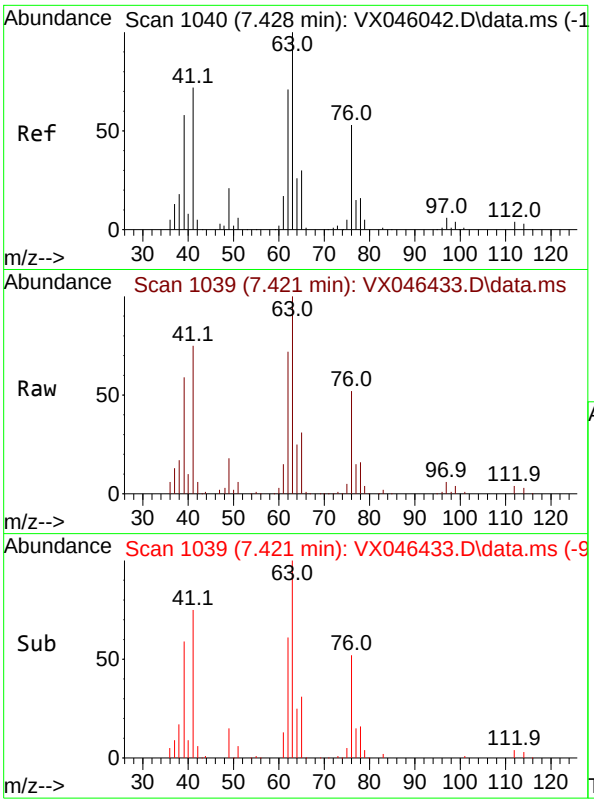


#44
Trichloroethene
Concen: 56.415 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion:130 Resp: 59836

Ion	Ratio	Lower	Upper
130	100		
95	106.6	0.0	204.2





#45
1,2-Dichloropropane
Concen: 58.264 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 63 Resp: 6384

Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.1	36.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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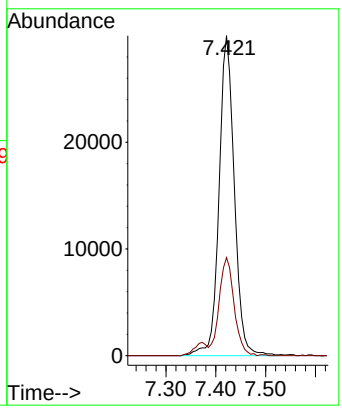
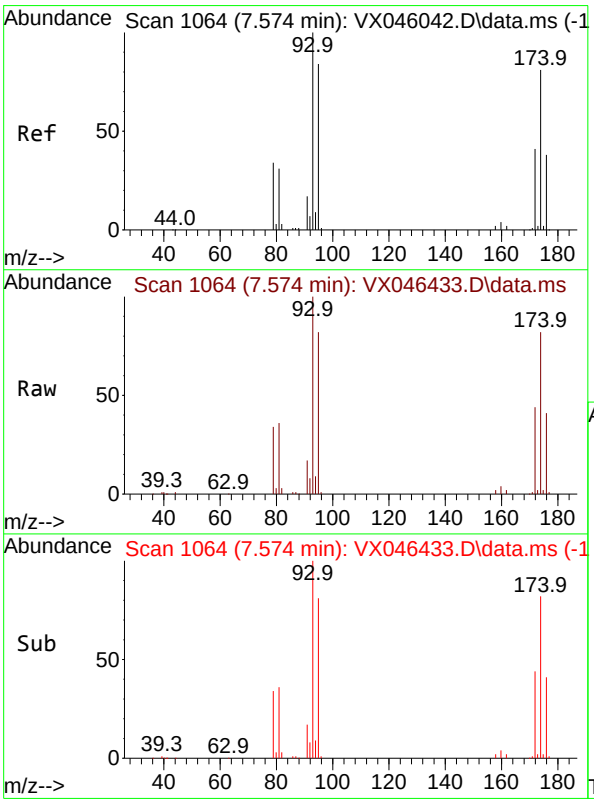
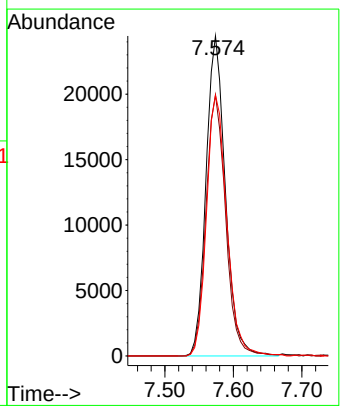


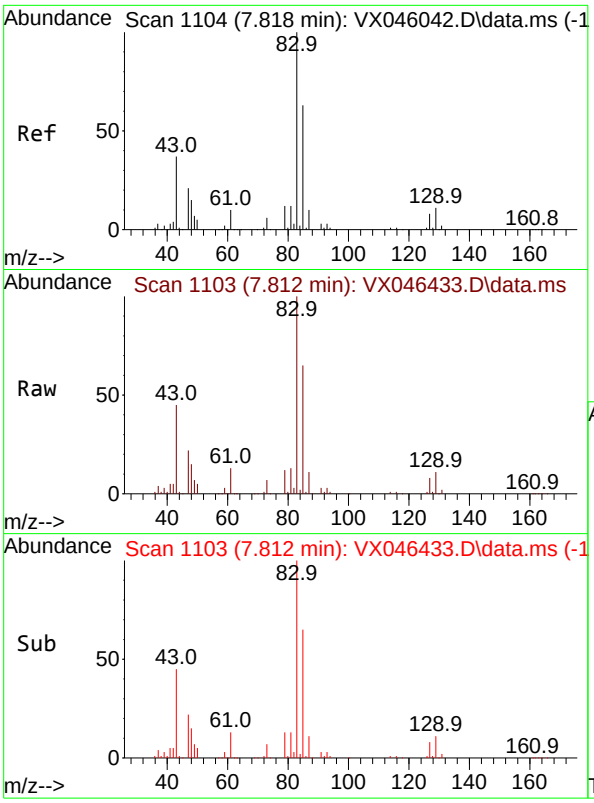


#46
Dibromomethane
Concen: 55.522 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 93 Resp: 47985

Ion	Ratio	Lower	Upper
93	100		
95	83.2	65.6	98.4
174	85.4	68.2	102.2

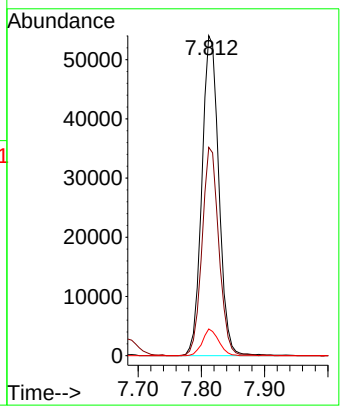




#47
Bromodichloromethane
Concen: 59.218 ug/l
RT: 7.812 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 83 Resp: 10080

Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.5	75.7
127	8.3	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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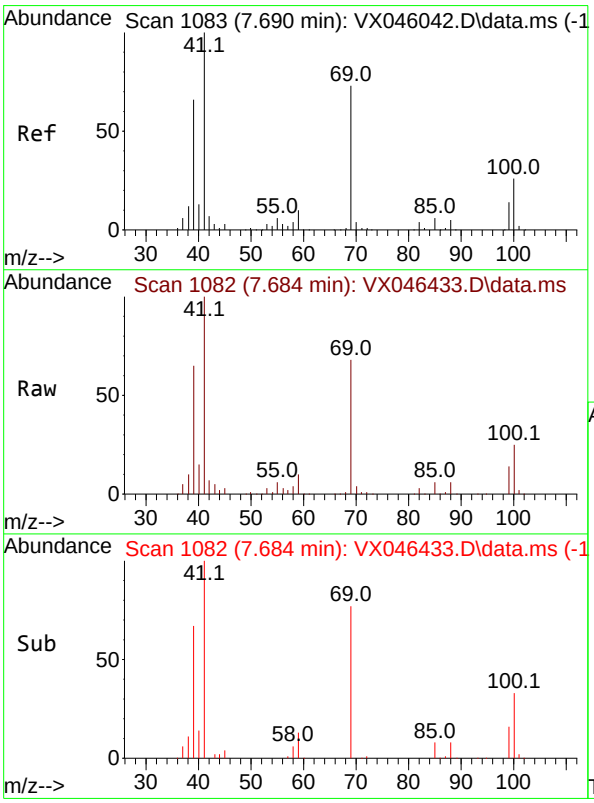
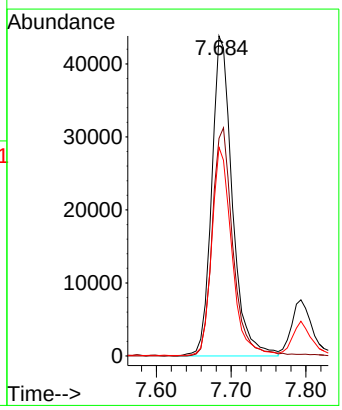
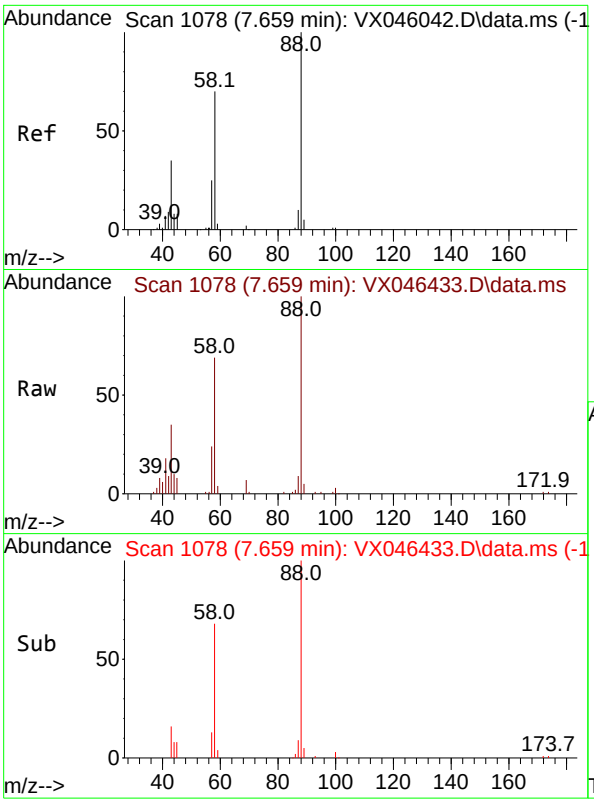


#48
Methyl methacrylate
Concen: 58.147 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 41 Resp: 84209

Ion	Ratio	Lower	Upper
41	100		
69	72.0	58.5	87.7
39	63.4	51.7	77.5





#49
1,4-Dioxane
Concen: 1003.685 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 88 Resp: 2759

Ion	Ratio	Lower	Upper
88	100		
43	43.0	33.4	50.2
58	75.5	58.6	88.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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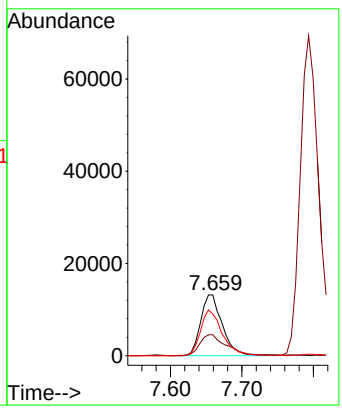
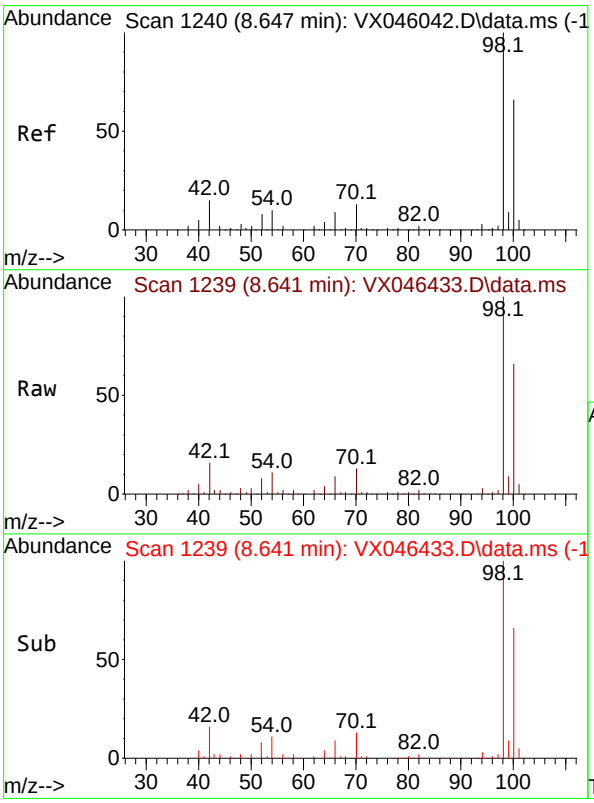
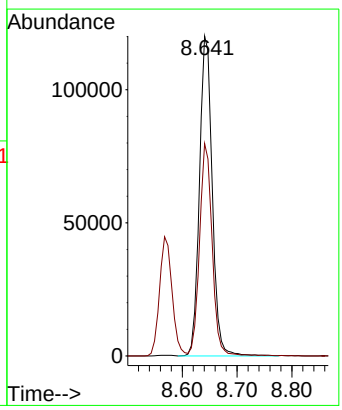


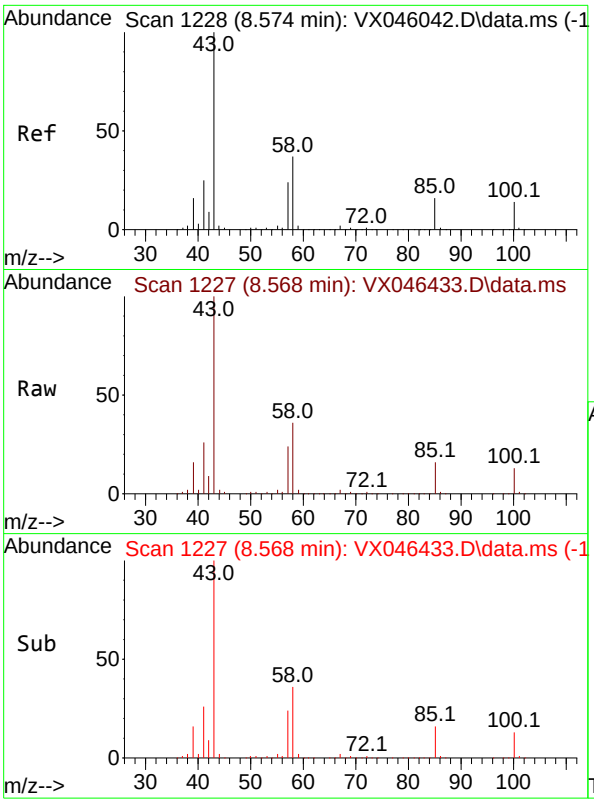


#50
Toluene-d8
Concen: 50.323 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 98 Resp: 195030

Ion	Ratio	Lower	Upper
98	100		
100	64.7	53.5	80.3





#51
4-Methyl-2-Pentanone
Concen: 281.670 ug/l
RT: 8.568 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 43 Resp: 53018

Ion	Ratio	Lower	Upper
43	100		
58	35.5	28.9	43.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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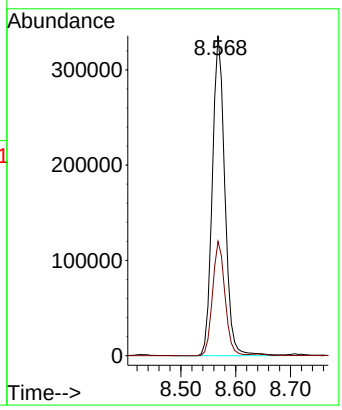
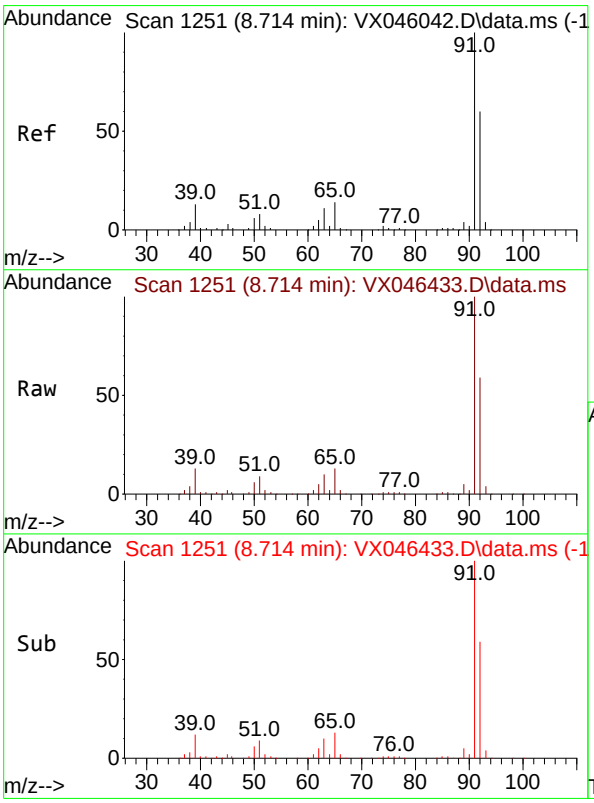
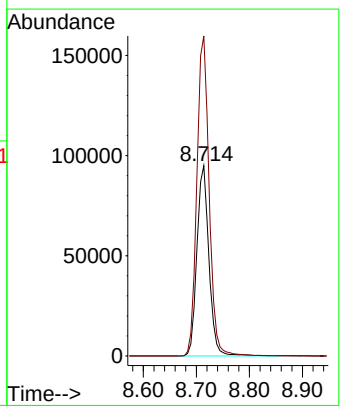


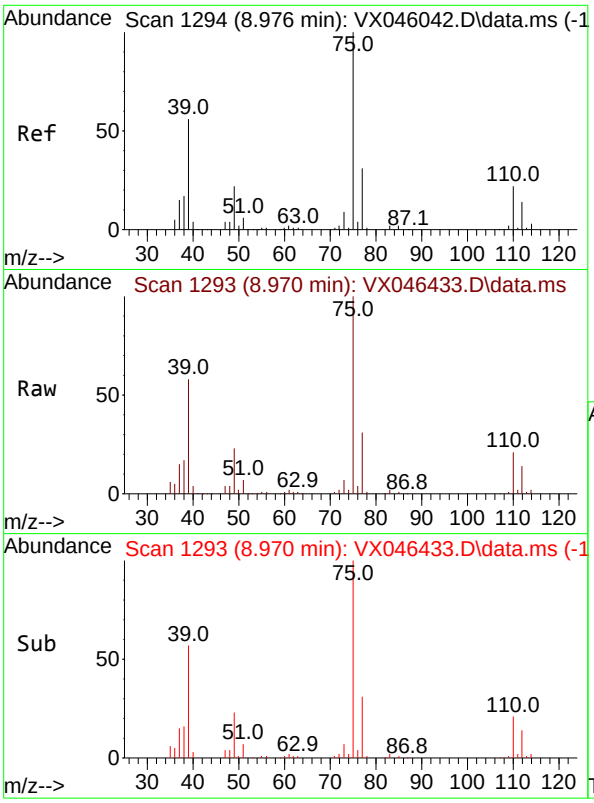


#52
Toluene
Concen: 55.148 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 92 Resp: 149019

Ion	Ratio	Lower	Upper
92	100		
91	172.1	136.6	205.0

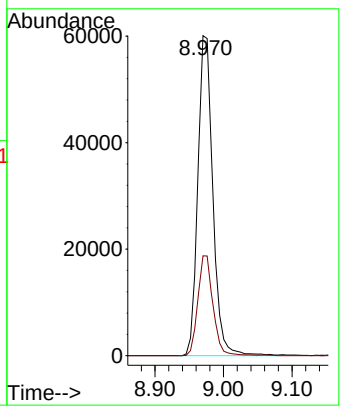




#53
t-1,3-Dichloropropene
Concen: 60.714 ug/l
RT: 8.970 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 75 Resp: 9186

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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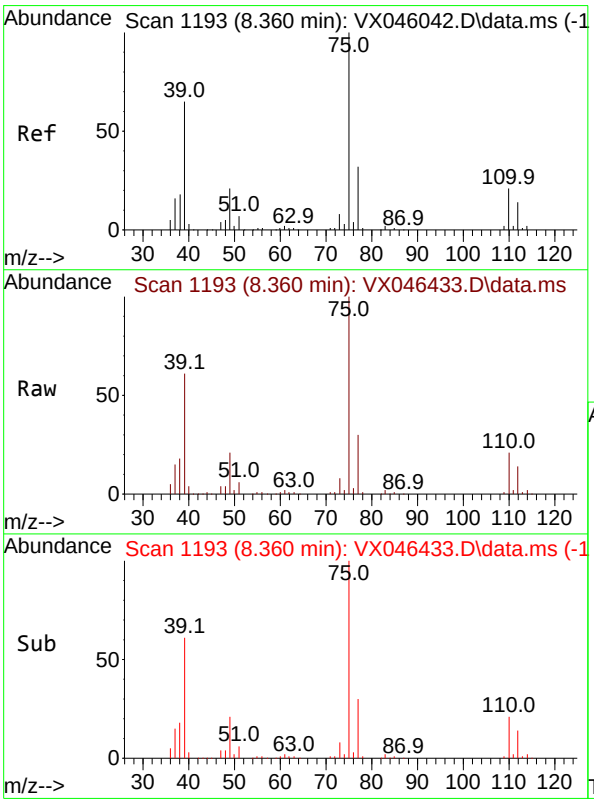
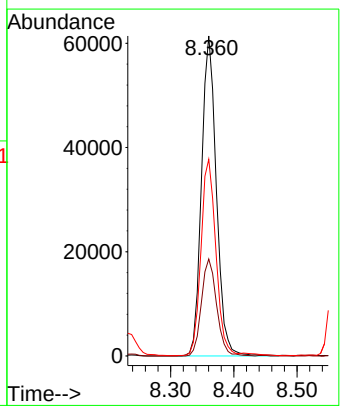
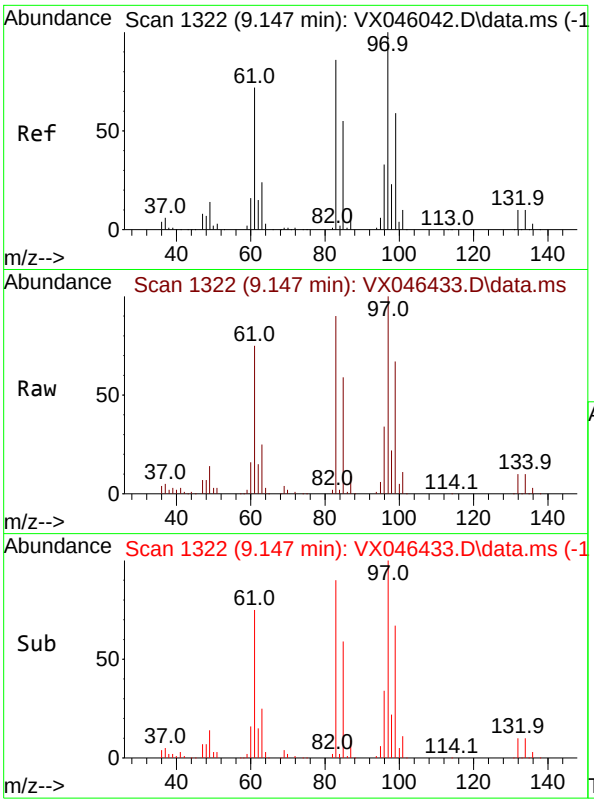


#54
cis-1,3-Dichloropropene
Concen: 60.100 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 75 Resp: 100502

Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.4	38.0
39	61.3	52.2	78.4

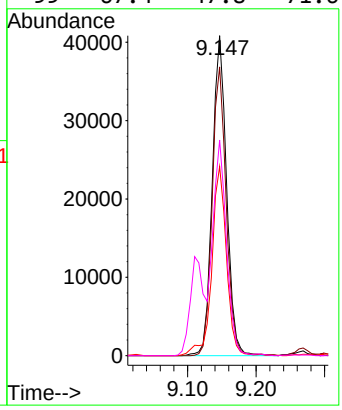




#55
1,1,2-Trichloroethane
Concen: 55.708 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 97 Resp: 5935

Ion	Ratio	Lower	Upper
97	100		
83	90.3	69.0	103.6
85	59.1	44.3	66.5
99	67.4	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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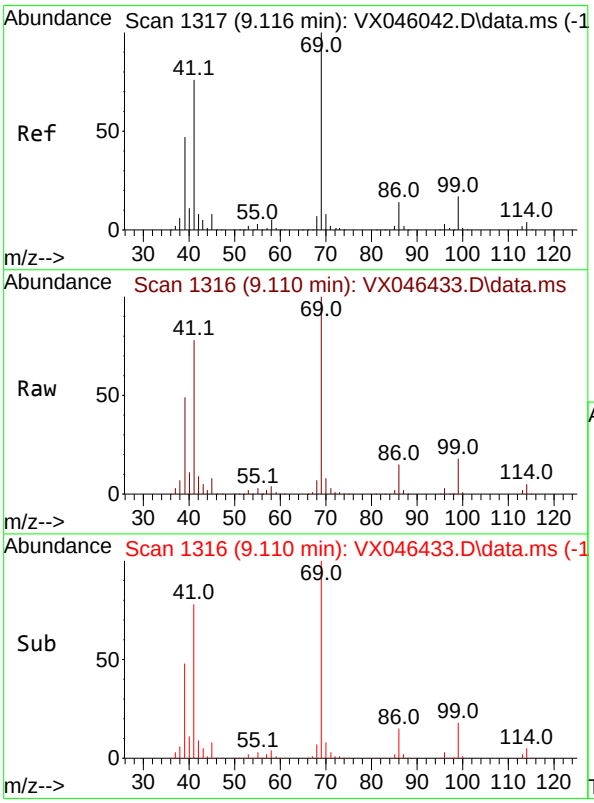
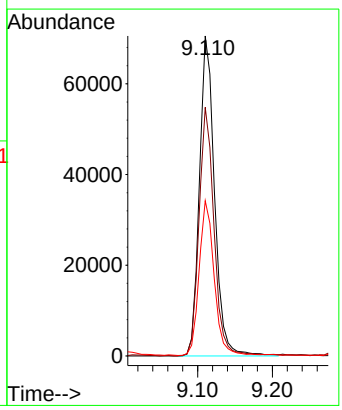
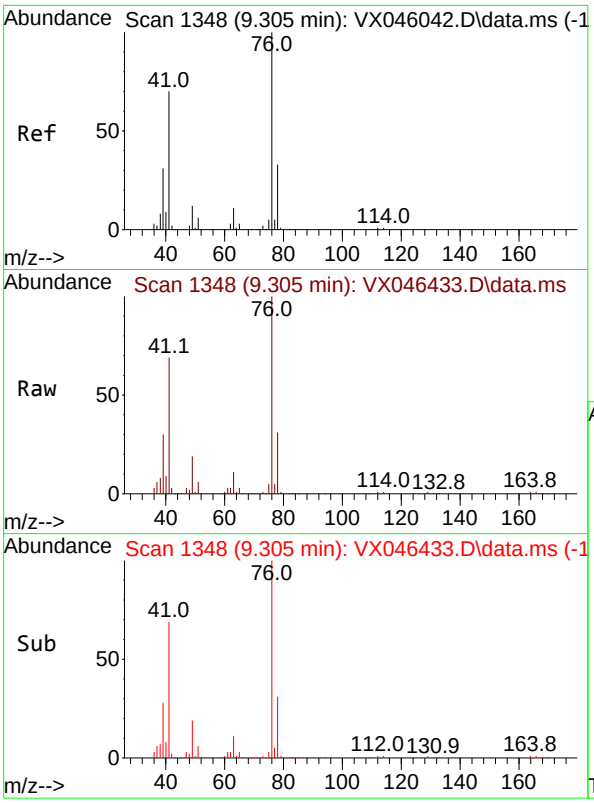


#56
Ethyl methacrylate
Concen: 58.533 ug/l
RT: 9.110 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 69 Resp: 99397

Ion	Ratio	Lower	Upper
69	100		
41	77.9	60.8	91.2
39	47.9	39.0	58.6





#57
1,3-Dichloropropane
Concen: 55.696 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 76 Resp: 10657

Ion	Ratio	Lower	Upper
76	100		
78	31.3	26.3	39.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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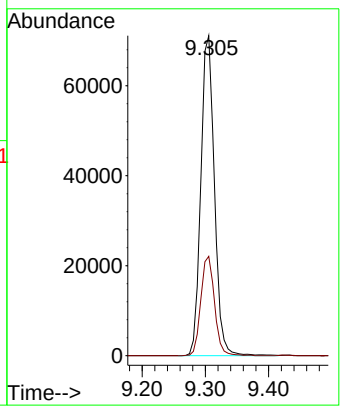
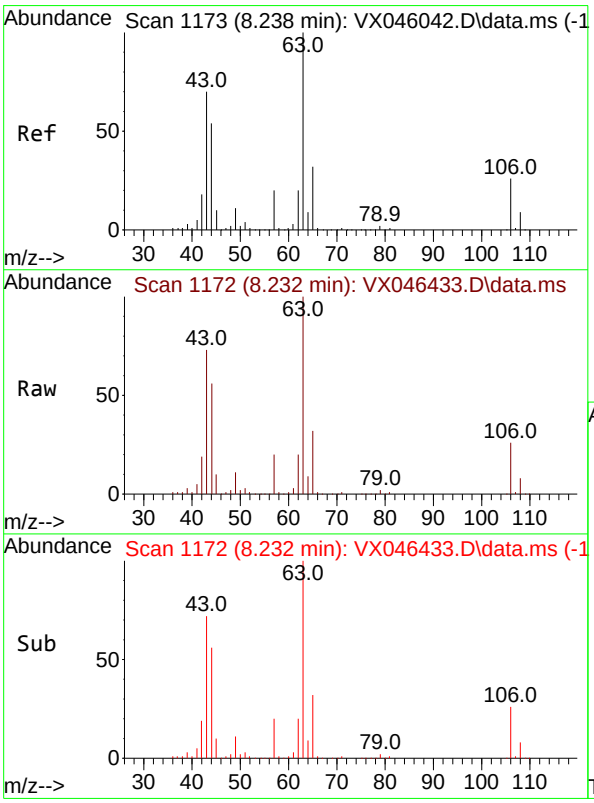
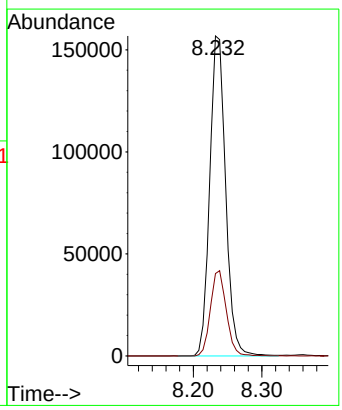


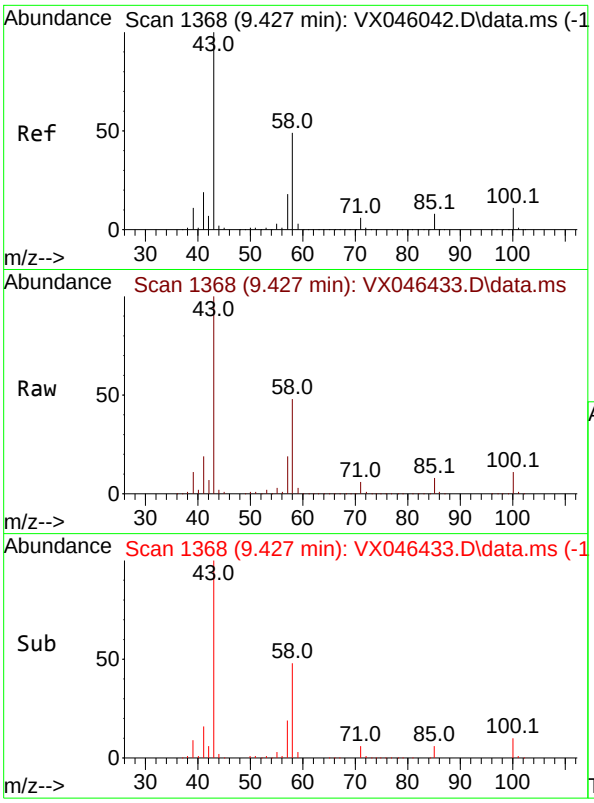


#58
2-Chloroethyl Vinyl ether
Concen: 291.982 ug/l
RT: 8.232 min Scan# 1172
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 63 Resp: 252779

Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.5	32.3





#59
2-Hexanone
Concen: 284.399 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 43 Resp: 39605

Ion	Ratio	Lower	Upper
43	100		
58	48.8	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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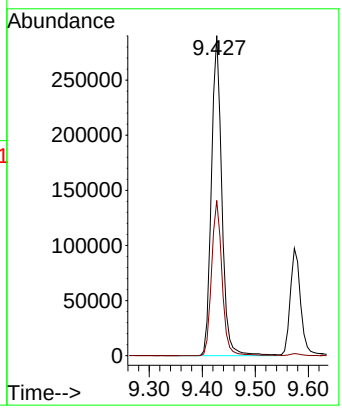
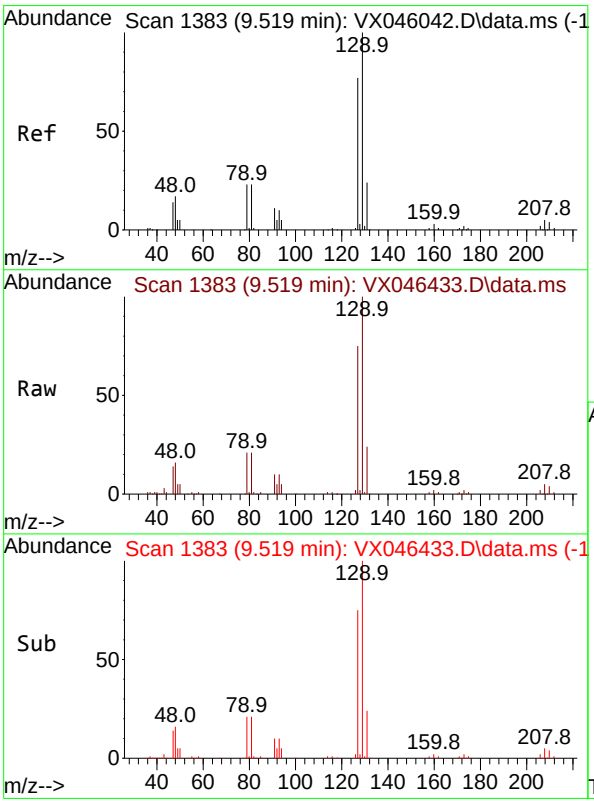
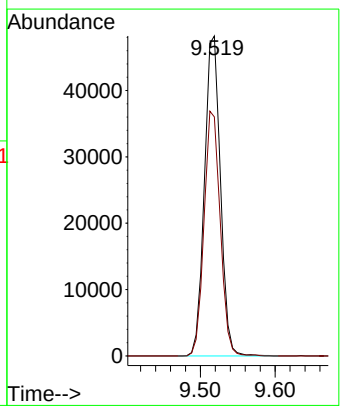


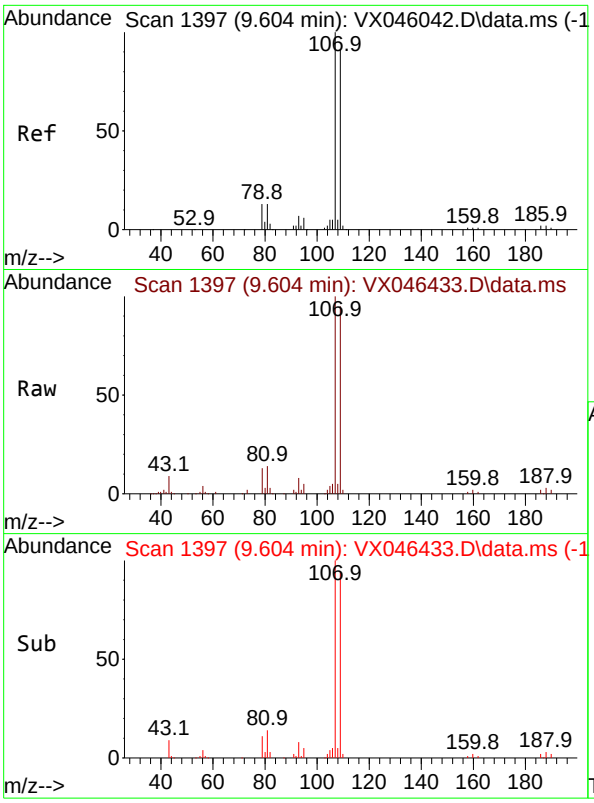


#60
Dibromochloromethane
Concen: 61.182 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion:129 Resp: 71591

Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.3	117.8

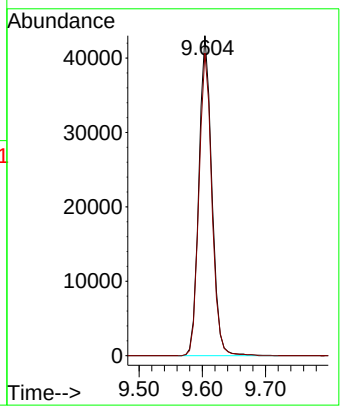




#61
1,2-Dibromoethane
Concen: 55.494 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion:107 Resp: 6145

Ion	Ratio	Lower	Upper
107	100		
109	94.1	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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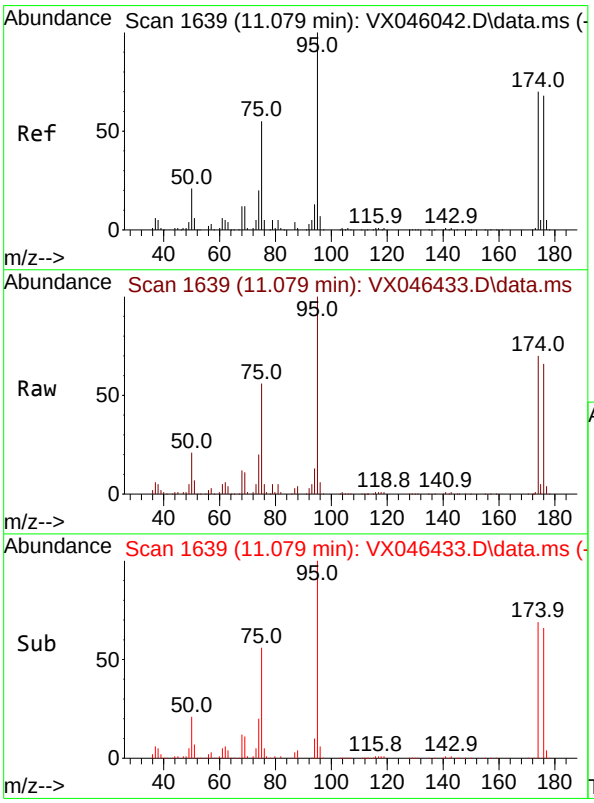
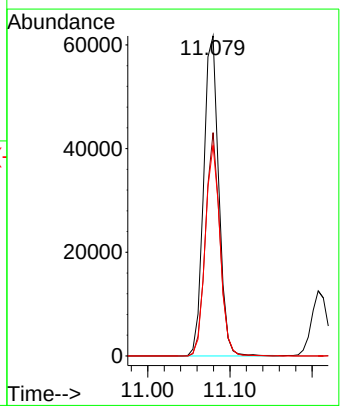
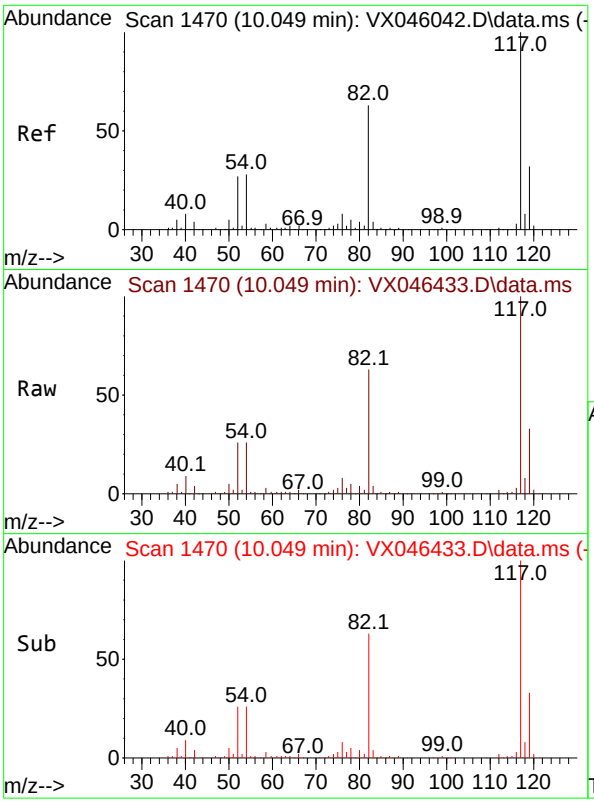


#62
4-Bromofluorobenzene
Concen: 52.998 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 95 Resp: 78787

Ion	Ratio	Lower	Upper
95	100		
174	66.3	0.0	135.8
176	64.4	0.0	131.4

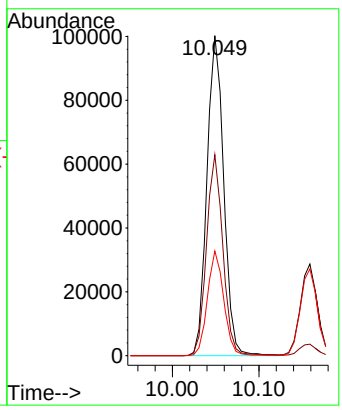




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion:117 Resp: 13500

Ion	Ratio	Lower	Upper
117	100		
82	62.8	50.6	76.0
119	32.7	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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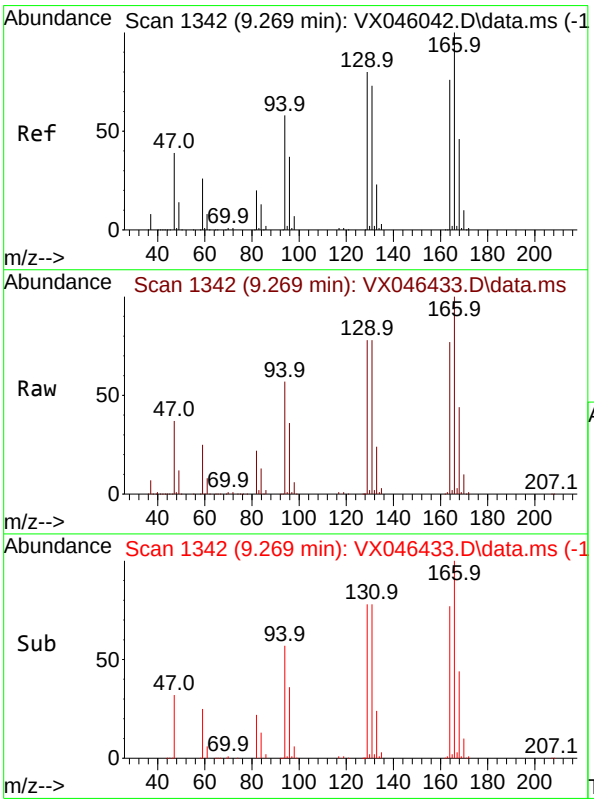
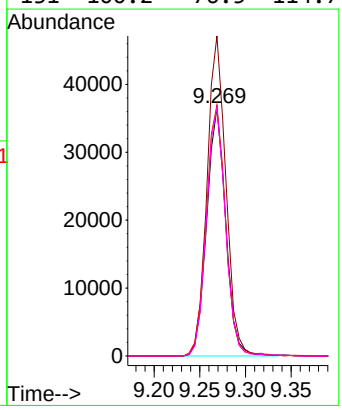
Supervised By :Mahesh Dadoda 06/03/2025

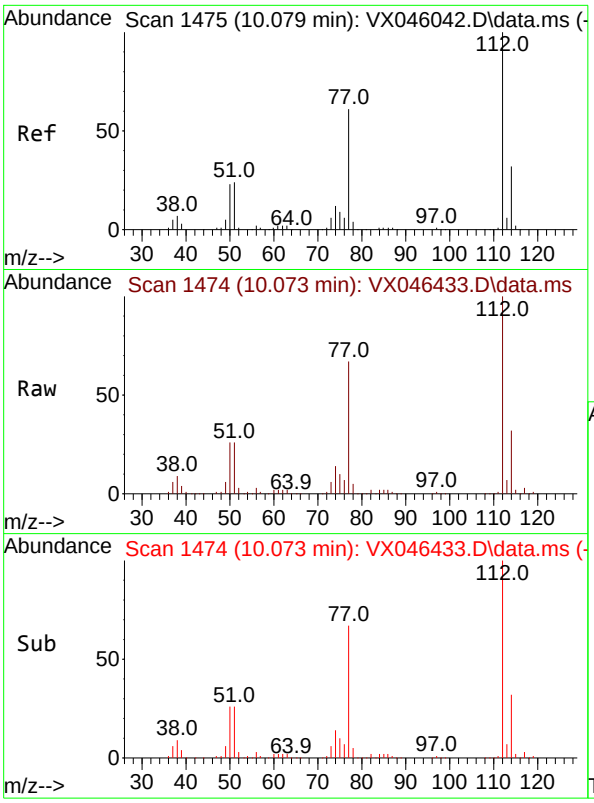


#64
Tetrachloroethene
Concen: 55.041 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion:164 Resp: 52575

Ion	Ratio	Lower	Upper
164	100		
166	129.3	105.0	157.6
129	101.3	83.5	125.3
131	100.2	76.5	114.7

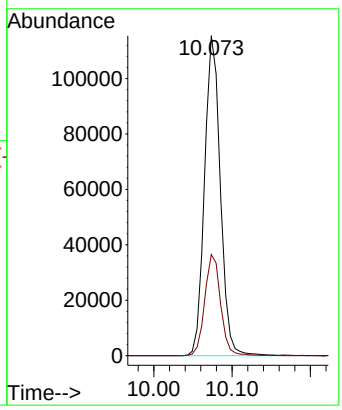




#65
Chlorobenzene
Concen: 54.675 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion:112 Resp: 16155

Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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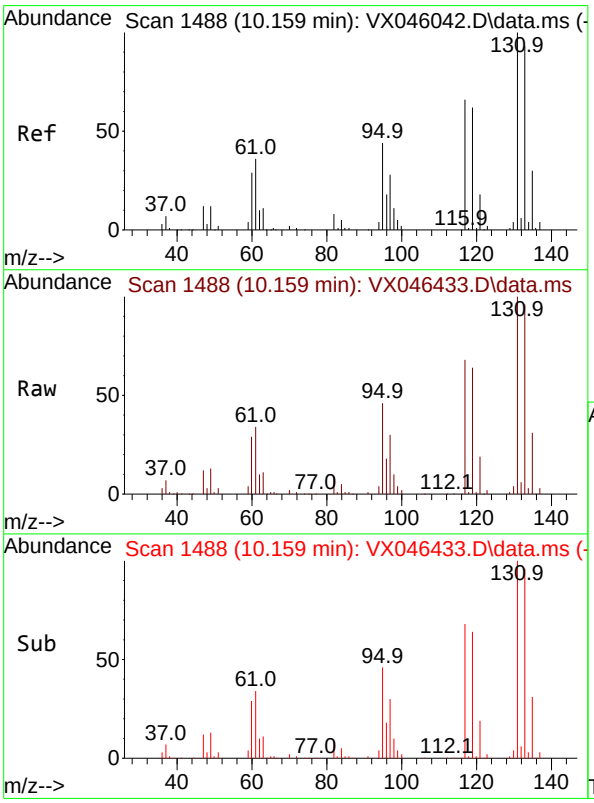
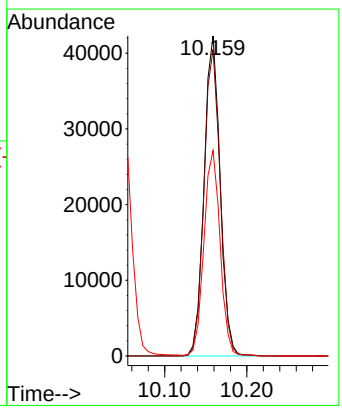
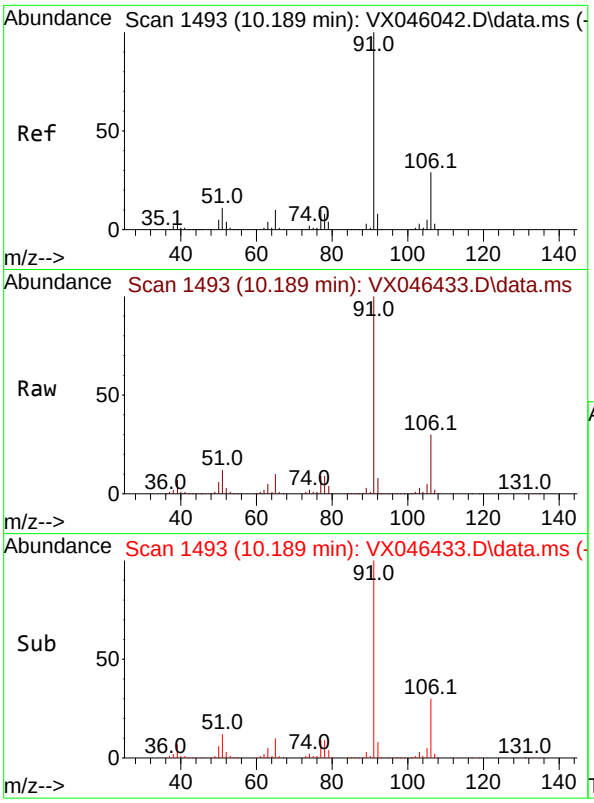


#66
1,1,1,2-Tetrachloroethane
Concen: 56.732 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion:131 Resp: 57243

Ion	Ratio	Lower	Upper
131	100		
133	97.1	47.3	141.9
119	64.9	31.6	95.0





#67
Ethyl Benzene
Concen: 56.753 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 91 Resp: 29560

Ion	Ratio	Lower	Upper
91	100		
106	29.6	23.4	35.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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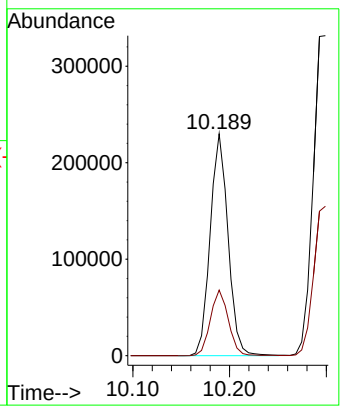
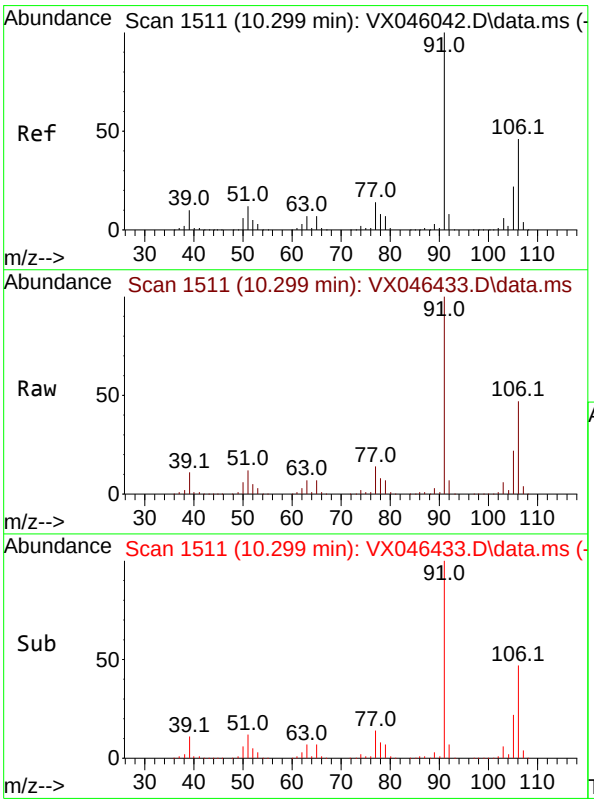
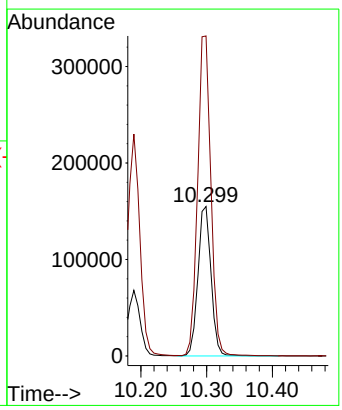


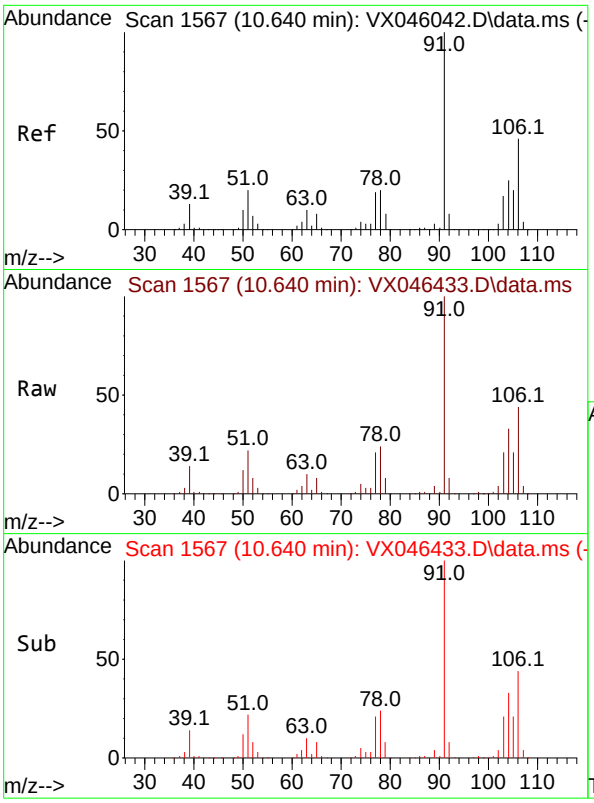


#68
m/p-Xylenes
Concen: 112.298 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion:106 Resp: 213932

Ion	Ratio	Lower	Upper
106	100		
91	217.0	171.2	256.8

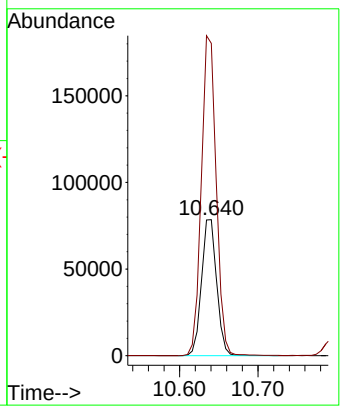




#69
o-Xylene
Concen: 56.660 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion:106 Resp: 10523

Ion	Ratio	Lower	Upper
106	100		
91	231.7	112.7	338.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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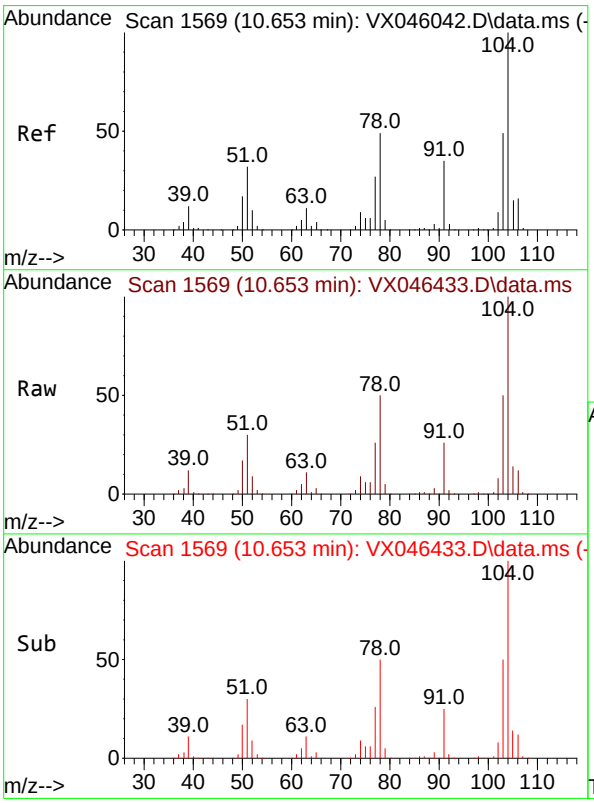
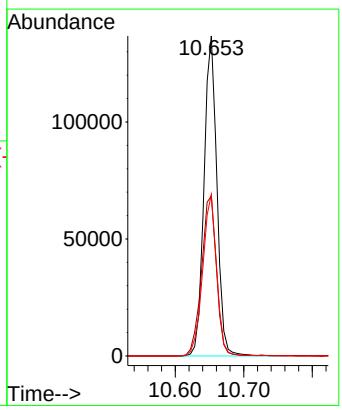
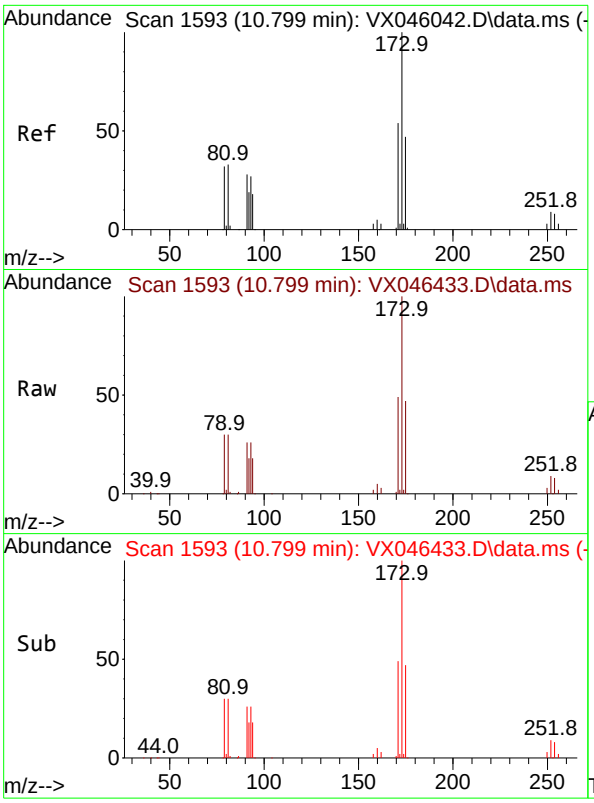


#70
Styrene
Concen: 58.934 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion:104 Resp: 179298

Ion	Ratio	Lower	Upper
104	100		
78	58.0	45.7	68.5
103	54.9	43.7	65.5

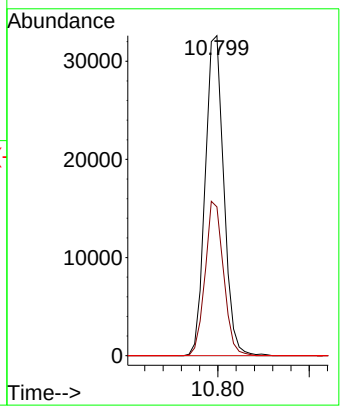




#71
Bromoform
Concen: 60.554 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion:173 Resp: 4587

Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.4	70.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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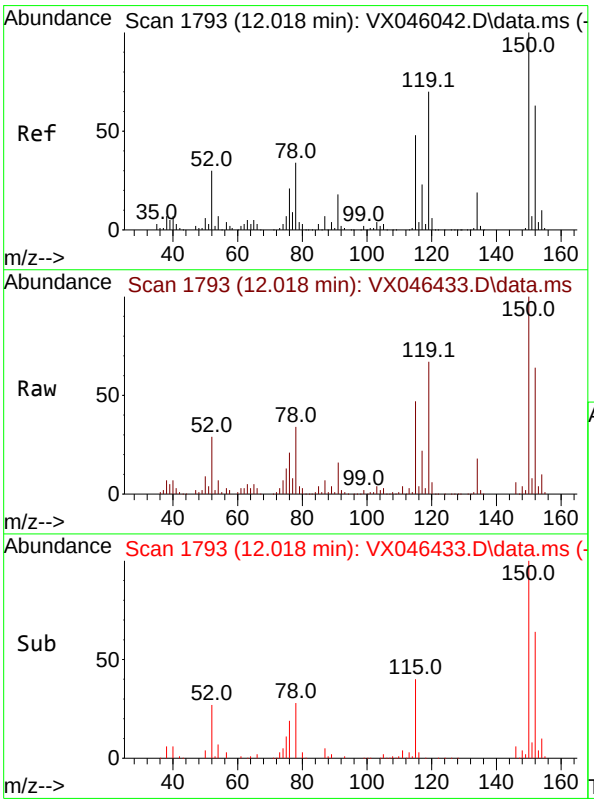
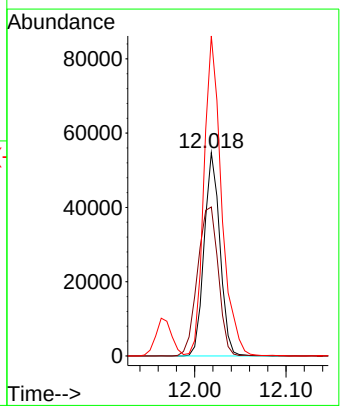
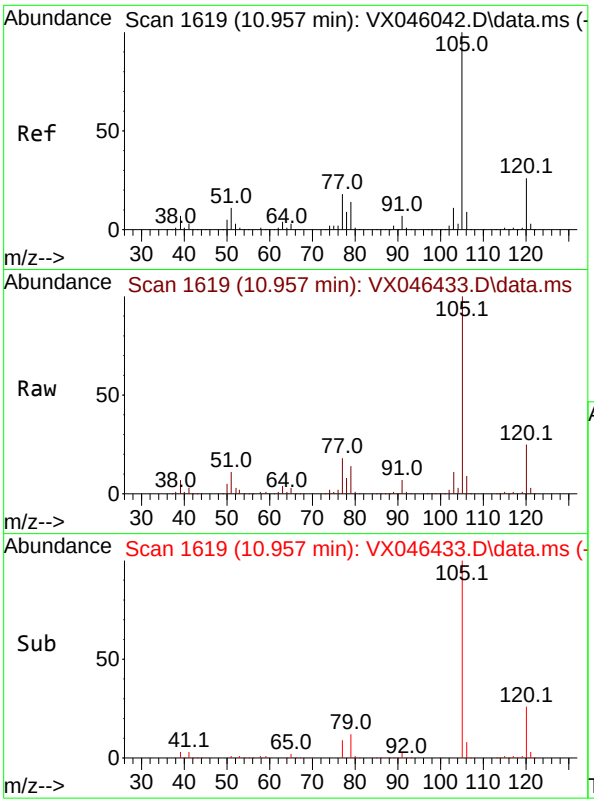


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion:152 Resp: 65264

Ion	Ratio	Lower	Upper
152	100		
115	97.2	46.9	140.7
150	176.1	0.0	351.0





#73
Isopropylbenzene
Concen: 56.079 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion:105 Resp: 28493

Ion	Ratio	Lower	Upper
105	100		
120	25.1	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 06/03/2025
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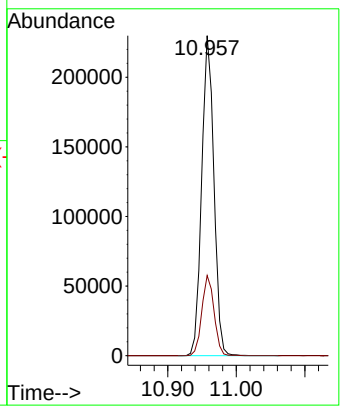
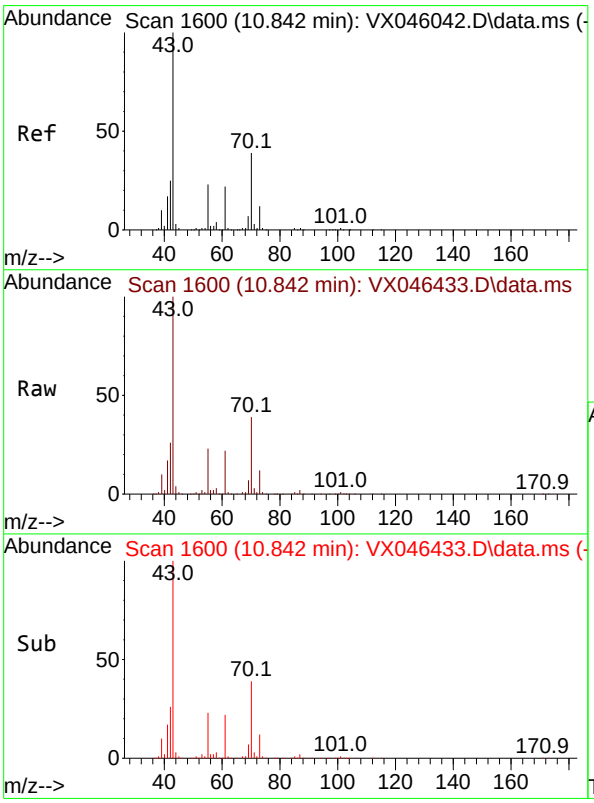
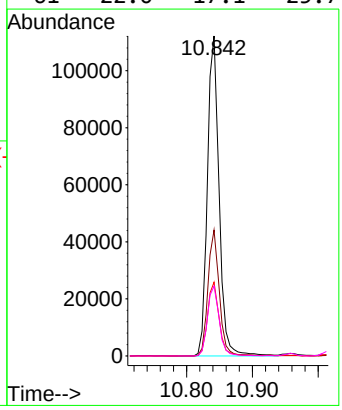


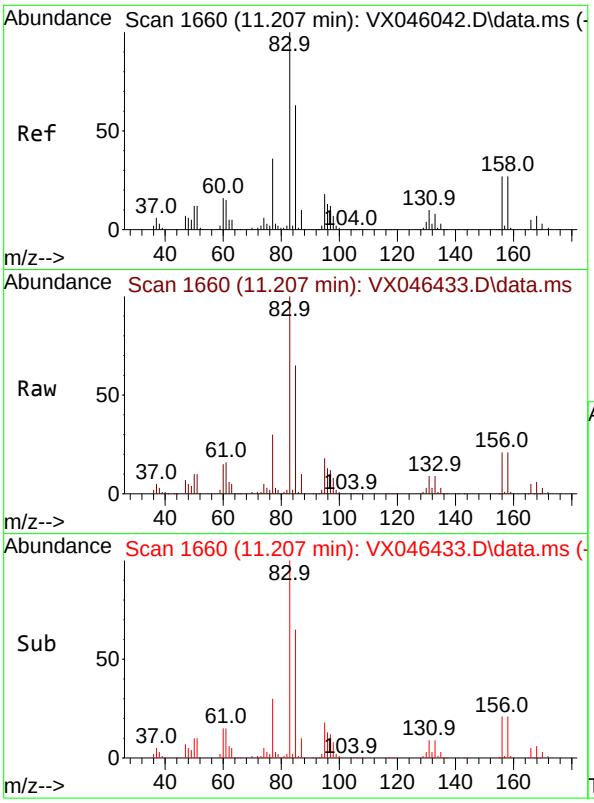


#74
N-amyl acetate
Concen: 55.361 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 43 Resp: 138998

Ion	Ratio	Lower	Upper
43	100		
70	38.4	30.9	46.3
55	23.0	18.7	28.1
61	22.0	17.1	25.7

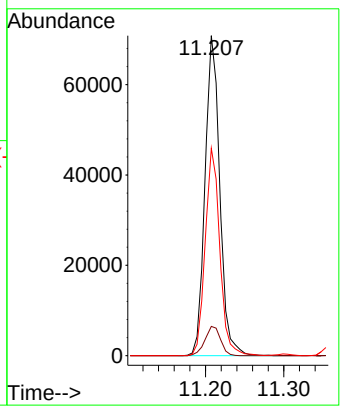




#75
1,1,2,2-Tetrachloroethane
Concen: 51.953 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 83 Resp: 9250

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	64.1	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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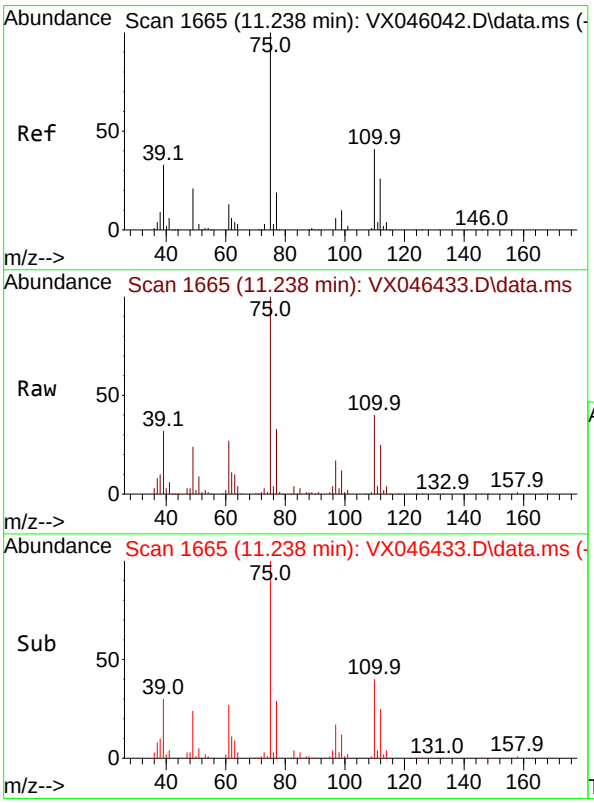
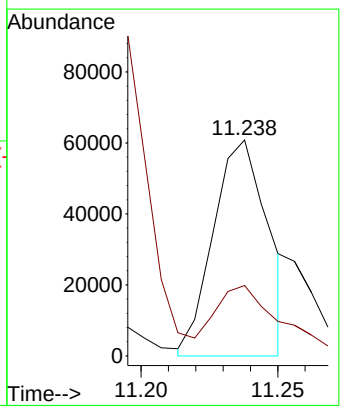
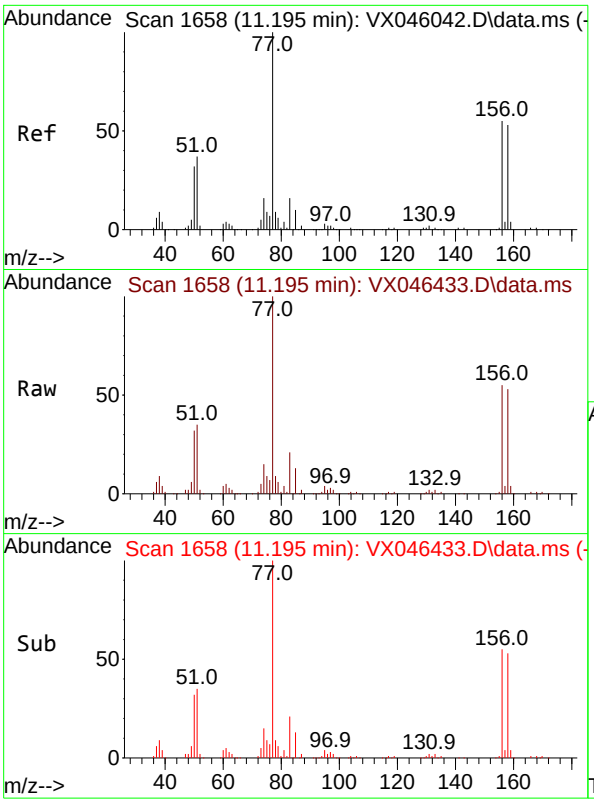


#76
1,2,3-Trichloropropane
Concen: 53.676 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 75 Resp: 84321

Ion	Ratio	Lower	Upper
75	100		
77	39.7	20.5	61.5

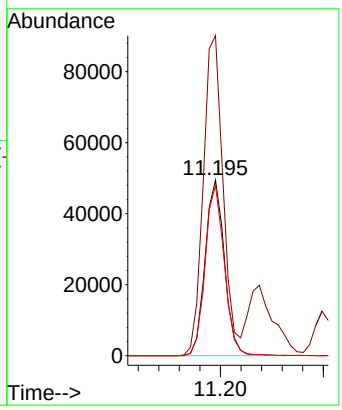




#77
Bromobenzene
Concen: 54.589 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion:156 Resp: 6439

Ion	Ratio	Lower	Upper
156	100		
77	187.7	92.8	278.3
158	96.2	48.8	146.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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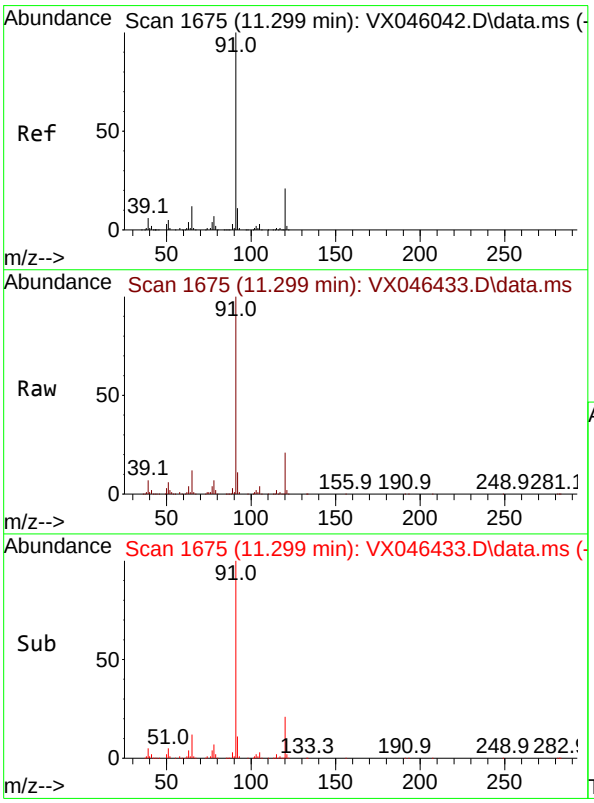
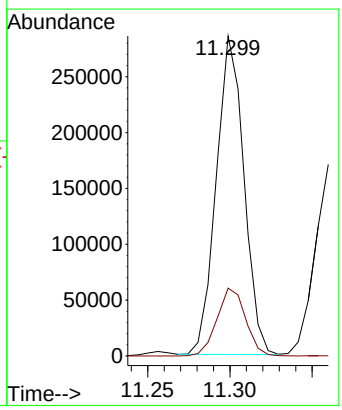
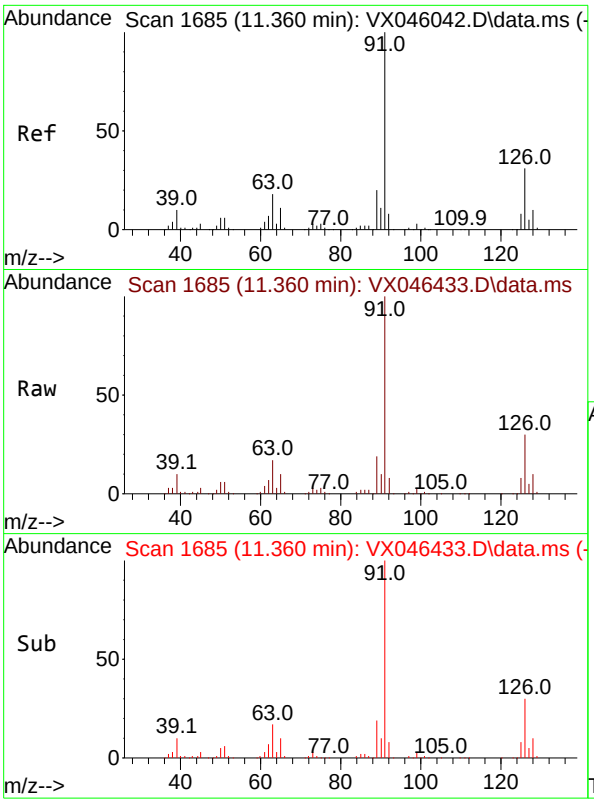


#78
n-propylbenzene
Concen: 56.517 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 91 Resp: 333896

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4





#79
2-Chlorotoluene
Concen: 53.726 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 91 Resp: 20473

Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.6	46.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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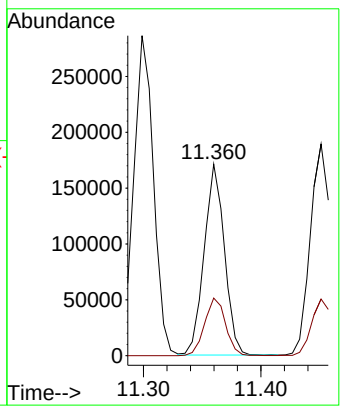
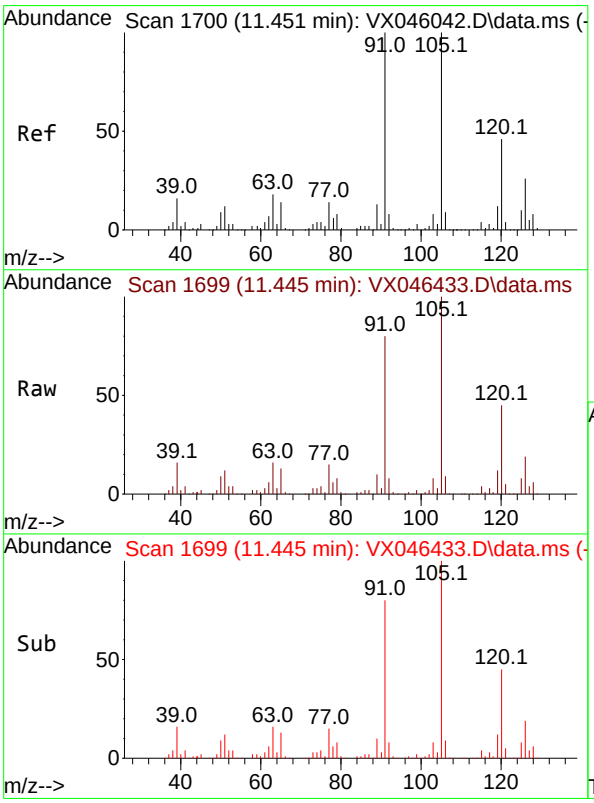
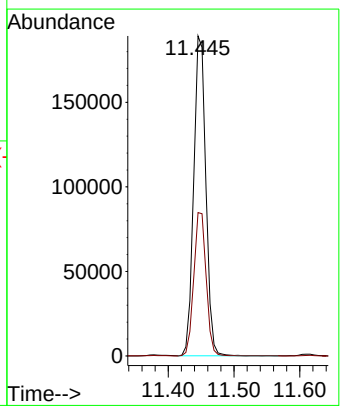


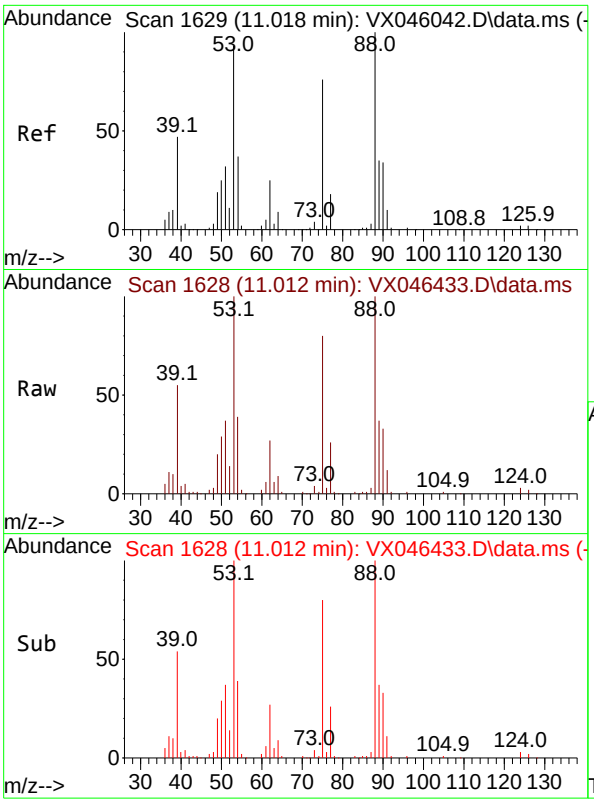


#80
1,3,5-Trimethylbenzene
Concen: 56.753 ug/l
RT: 11.445 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion:105 Resp: 240907

Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.1	69.2





#81
trans-1,4-Dichloro-2-butene
Concen: 57.336 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

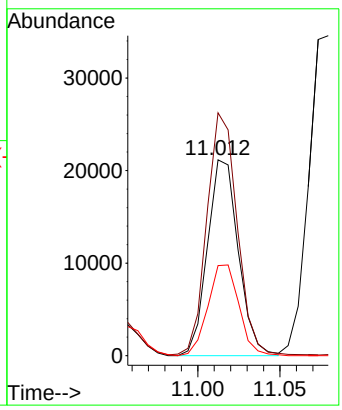
Tgt Ion: 75 Resp: 2766

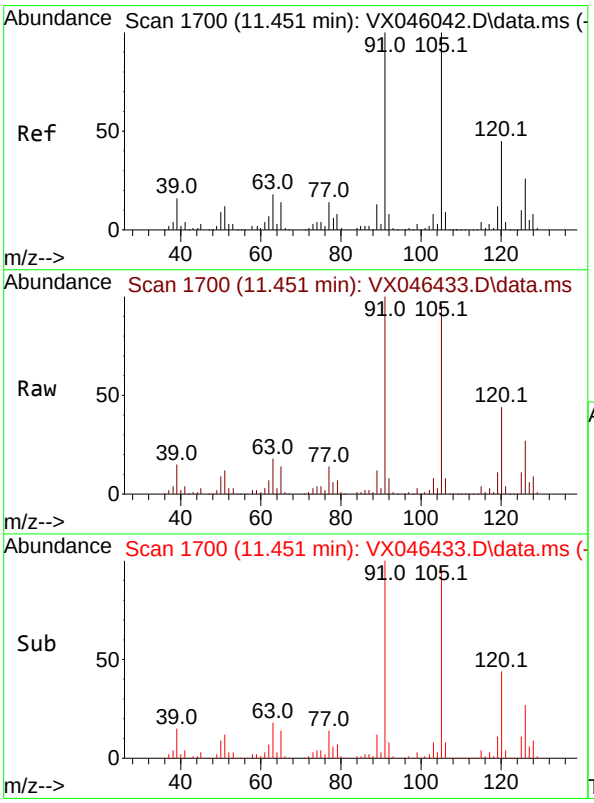
Ion	Ratio	Lower	Upper
75	100		
53	121.0	100.5	150.7
89	46.5	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

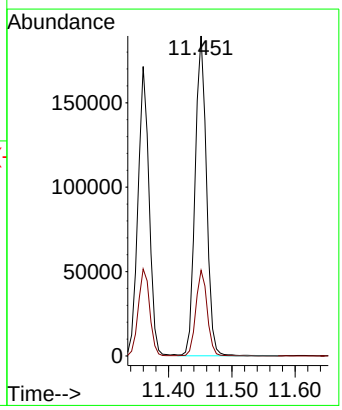


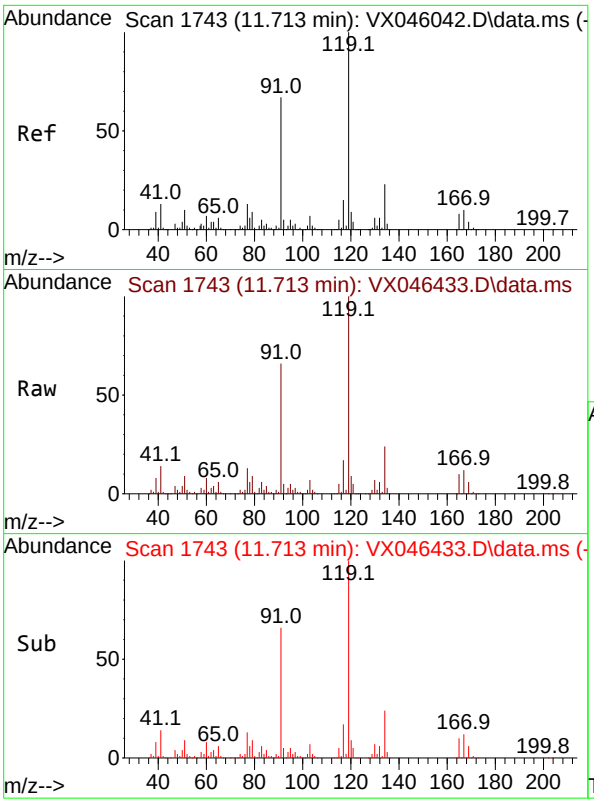


#82
4-Chlorotoluene
Concen: 56.121 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 91 Resp: 237157

Ion	Ratio	Lower	Upper
91	100		
126	26.8	13.3	39.8

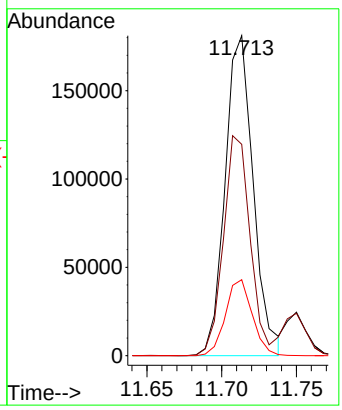




#83
tert-Butylbenzene
Concen: 55.481 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion:119 Resp: 23722

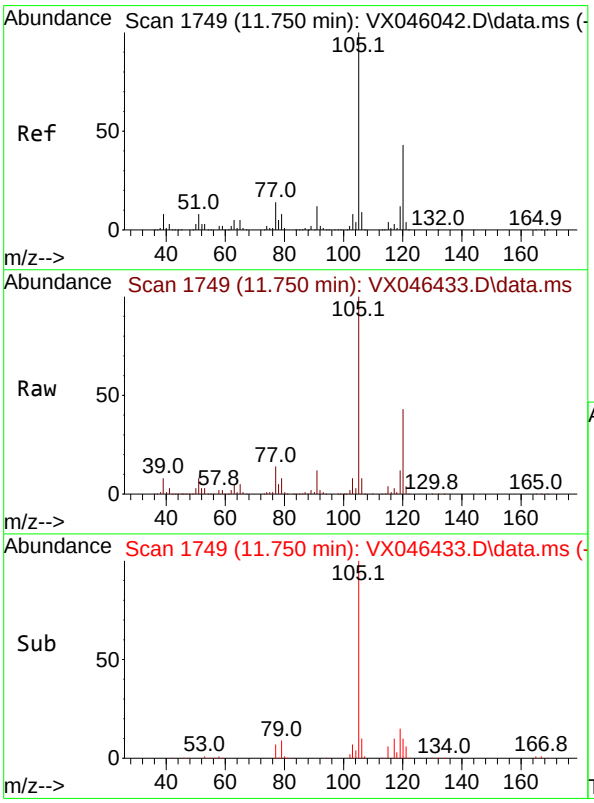
Ion	Ratio	Lower	Upper
119	100		
91	65.0	32.9	98.7
134	22.6	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

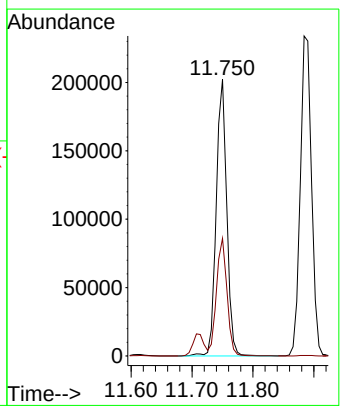
Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

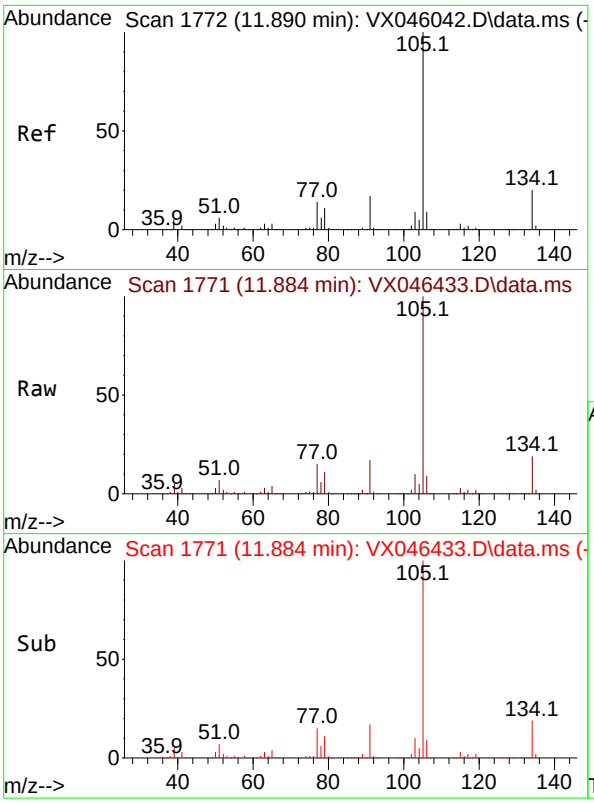


#84
1,2,4-Trimethylbenzene
Concen: 56.464 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion:105 Resp: 242720

Ion	Ratio	Lower	Upper
105	100		
120	42.6	21.2	63.6

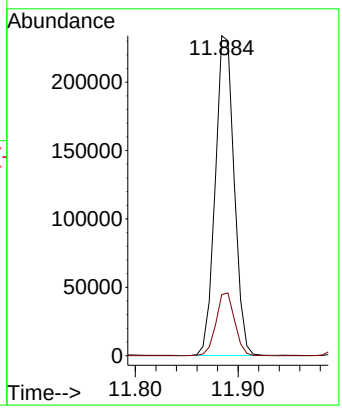




#85
sec-Butylbenzene
Concen: 56.795 ug/l
RT: 11.884 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion:105 Resp: 29816

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/03/2025
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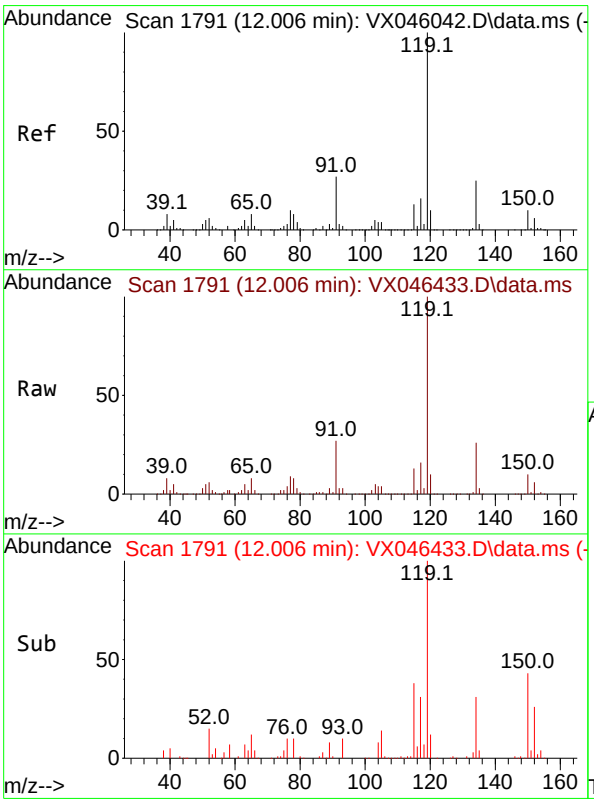
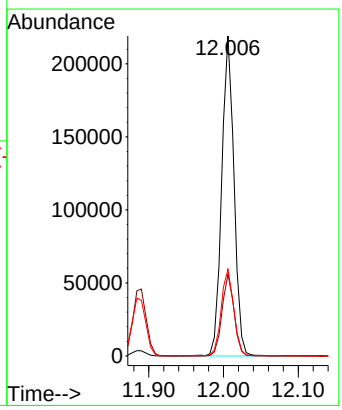
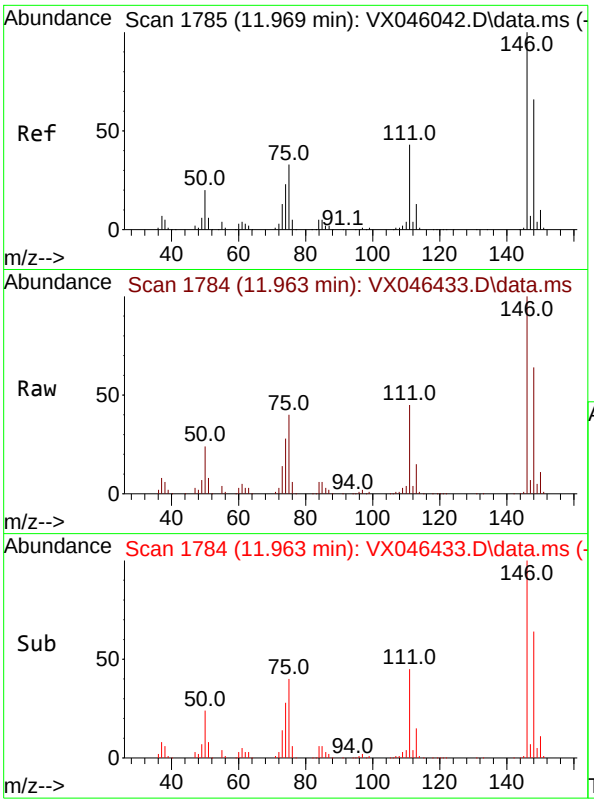


#86
p-Isopropyltoluene
Concen: 57.915 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion:119 Resp: 250970

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.5	37.5
91	27.2	13.8	41.4

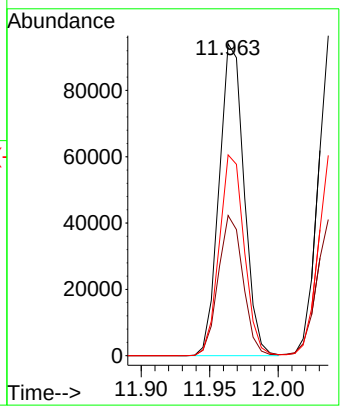




#87
1,3-Dichlorobenzene
Concen: 55.275 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion:146 Resp: 11899

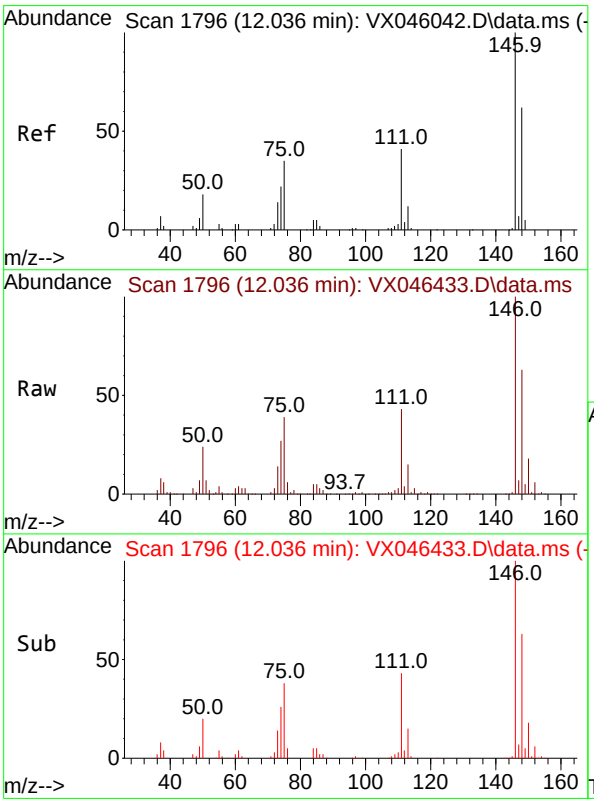
Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.1	66.3
148	64.7	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

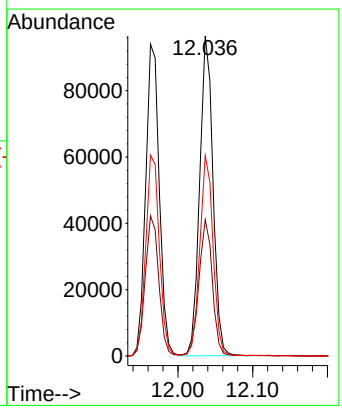
Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

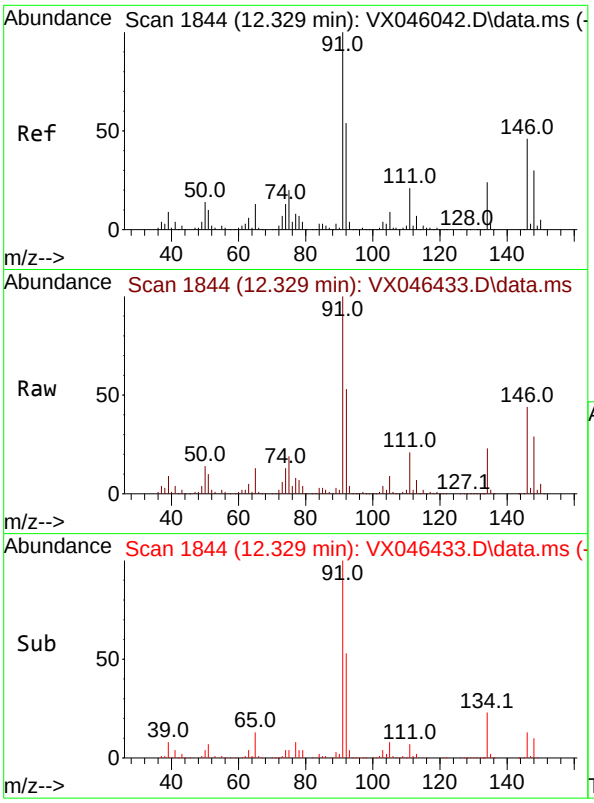


#88
1,4-Dichlorobenzene
Concen: 54.241 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion:146 Resp: 119255

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.3	63.9
148	62.3	31.9	95.5

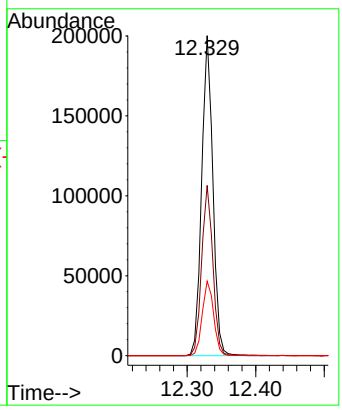




#89
n-Butylbenzene
Concen: 59.982 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 91 Resp: 22799

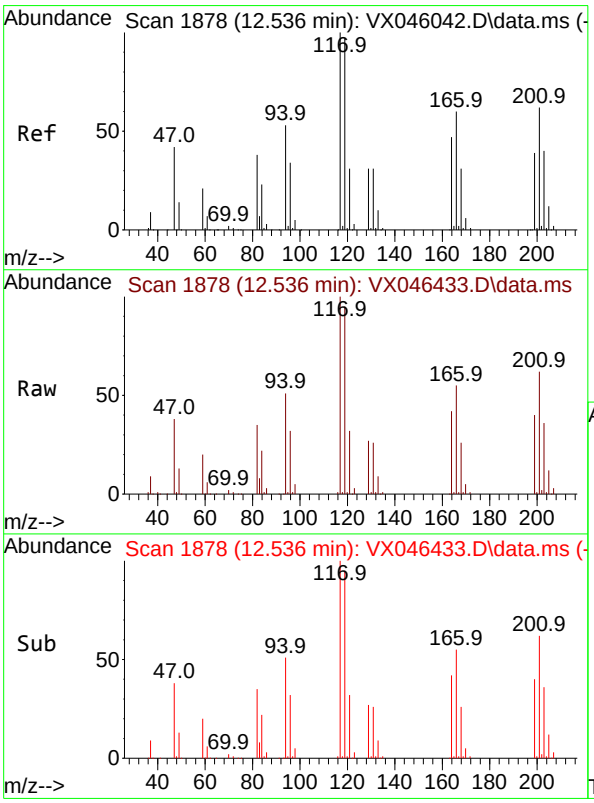
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.9	80.7
134	23.7	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

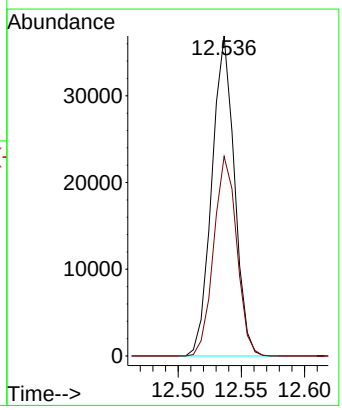
Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

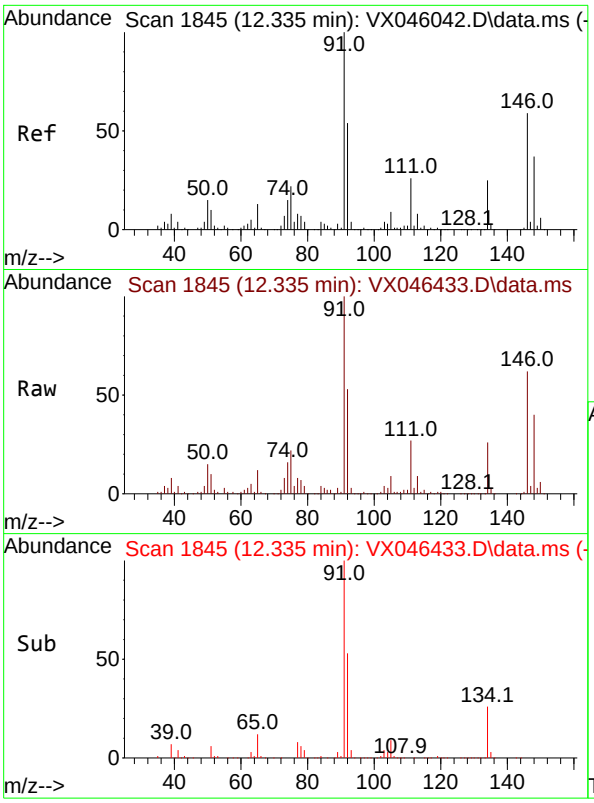


#90
Hexachloroethane
Concen: 59.897 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion:117 Resp: 45728

Ion	Ratio	Lower	Upper
117	100		
201	63.6	31.6	94.7

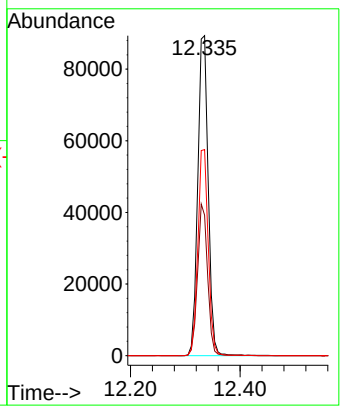




#91
1,2-Dichlorobenzene
Concen: 54.927 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion:146 Resp: 11866

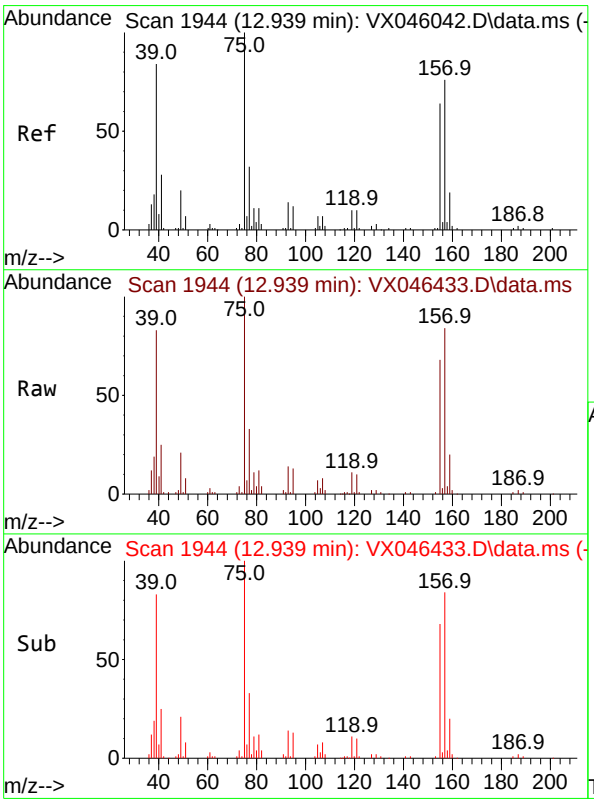
Ion	Ratio	Lower	Upper
146	100		
111	45.5	22.4	67.3
148	64.0	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

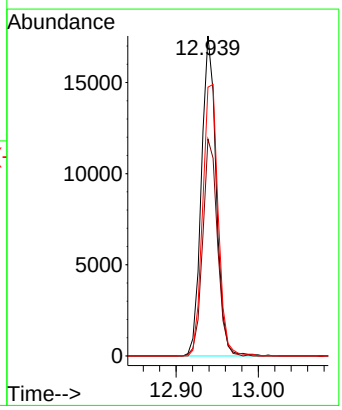
Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

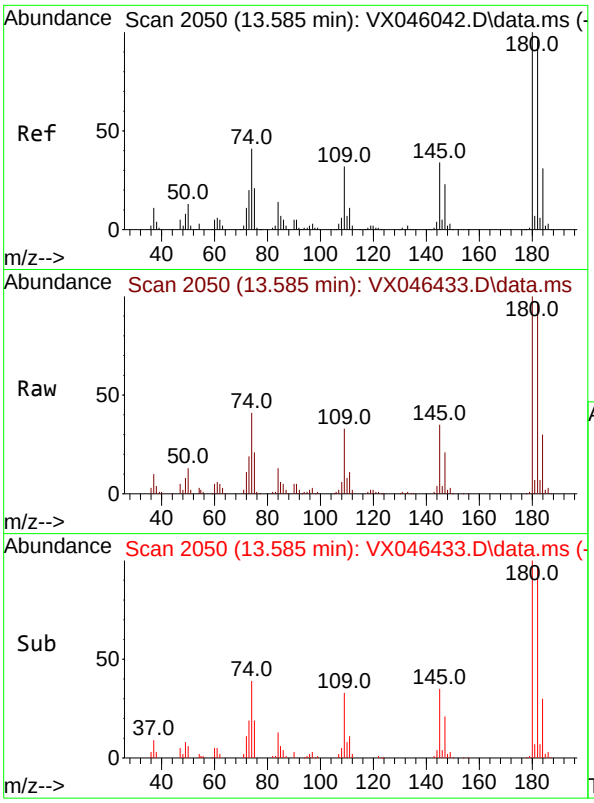


#92
1,2-Dibromo-3-Chloropropane
Concen: 55.720 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion: 75 Resp: 21979

Ion	Ratio	Lower	Upper
75	100		
155	67.4	34.9	104.8
157	88.8	43.8	131.4

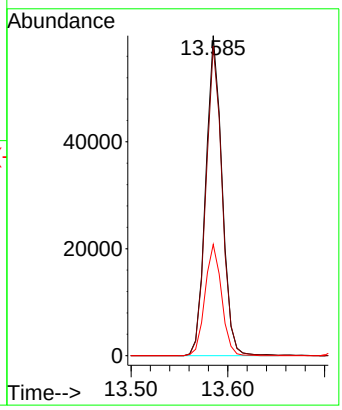




#93
1,2,4-Trichlorobenzene
Concen: 56.697 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion:180 Resp: 7035

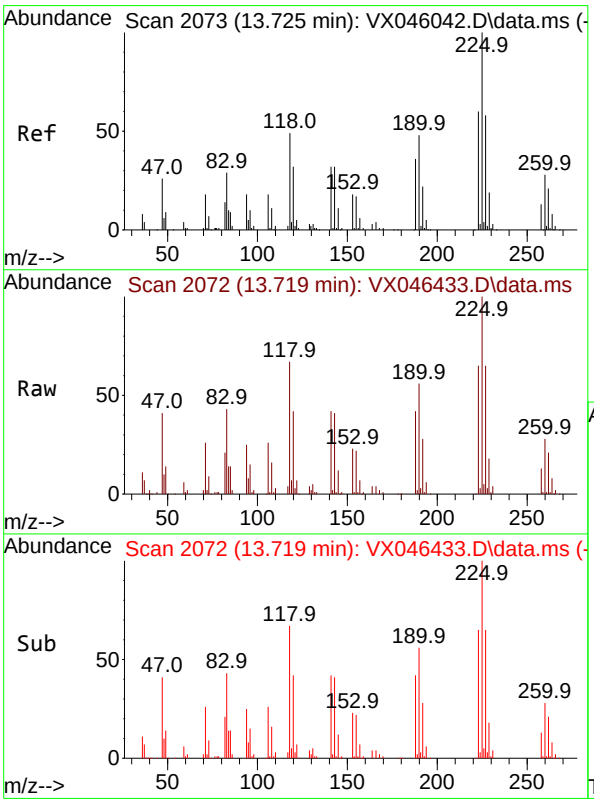
Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.9	143.8
145	35.2	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

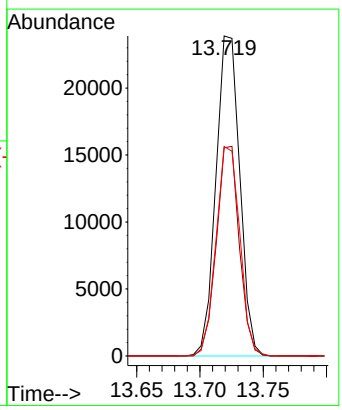
Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

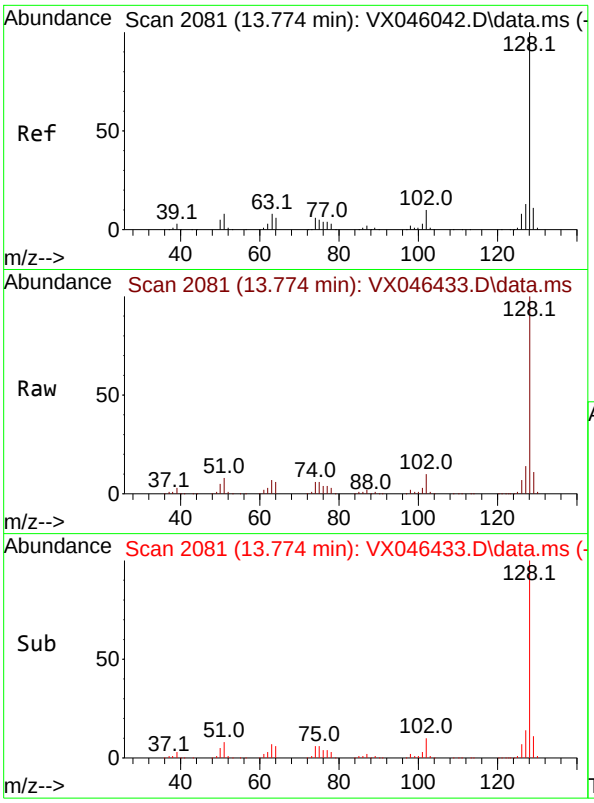


#94
Hexachlorobutadiene
Concen: 57.691 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion:225 Resp: 31264

Ion	Ratio	Lower	Upper
225	100		
223	63.2	30.8	92.4
227	65.3	30.9	92.7

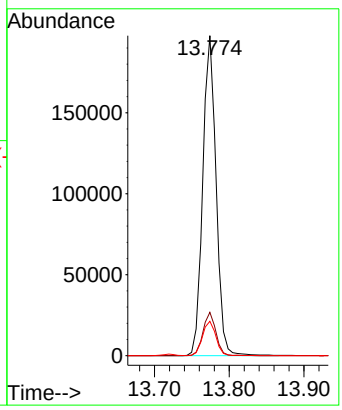




#95
Naphthalene
Concen: 53.765 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion:128 Resp: 24468

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.9	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

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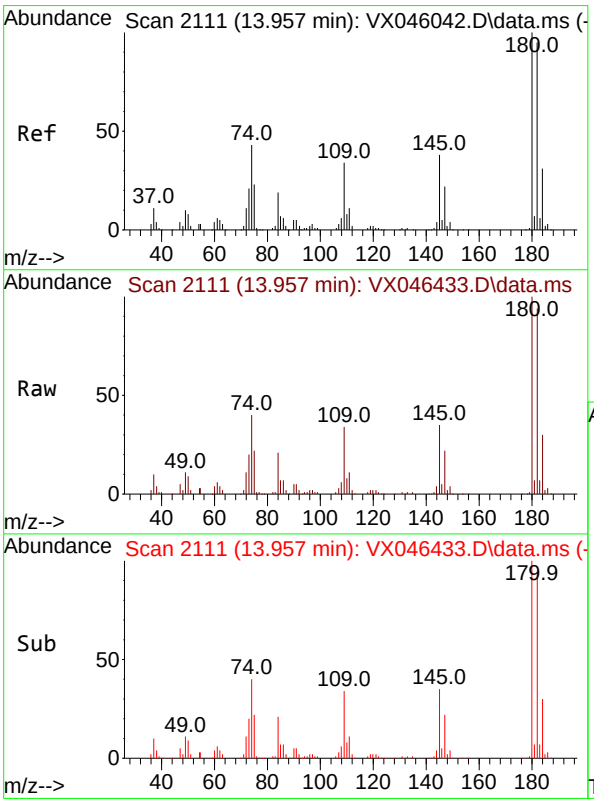
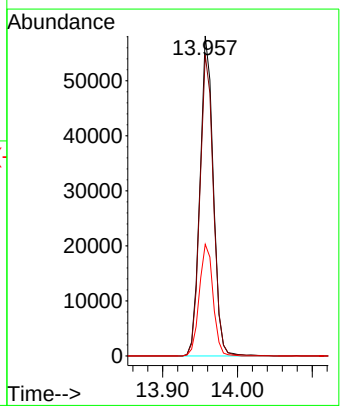


#96
1,2,3-Trichlorobenzene
Concen: 56.226 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046433.D
Acq: 02 Jun 2025 10:21

Tgt Ion:180 Resp: 71987

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.8	143.3
145	36.0	18.1	54.3



Evaluate Continuing Calibration Report

Sample Results: **VX046433.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046433.D
Acq On : 02 Jun 2025 10:21
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 03 01:24:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	94	0.00
2	T	Dichlorodifluoromethane	0.765	0.849	-11.0	92	0.00
3	P	Chloromethane	0.742	0.817	-10.1	99	0.00
4	C	Vinyl Chloride	0.691	0.734	-6.2#	97	0.00
5	T	Bromomethane	0.320	0.335	-4.7	97	0.00
6	T	Chloroethane	0.369	0.412	-11.7	102	0.00
7	T	Trichlorofluoromethane	1.021	1.136	-11.3	100	0.00
8	T	Diethyl Ether	0.347	0.370	-6.6	103	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.632	0.722	-14.2	106	0.00
10	T	Methyl Iodide	0.747	0.803	-7.5	94	0.00
11	T	Tert butyl alcohol	0.131	0.131	0.0	95	0.00
12	CM	1,1-Dichloroethene	0.593	0.650	-9.6#	102	0.00
13	T	Acrolein	0.149	0.146	2.0	90	0.00
14	T	Allyl chloride	1.133	1.308	-15.4	104	0.00
15	T	Acrylonitrile	0.374	0.410	-9.6	99	0.00
16	T	Acetone	0.374	0.439	-17.4	114	0.00
17	T	Carbon Disulfide	1.406	1.520	-8.1	98	0.00
18	T	Methyl Acetate	0.867	1.189	-37.1#	132	0.00
19	T	Methyl tert-butyl Ether	2.079	2.353	-13.2	102	0.00
20	T	Methylene Chloride	0.716	0.757	-5.7	104	0.00
21	T	trans-1,2-Dichloroethene	0.596	0.645	-8.2	99	0.00
22	T	Diisopropyl ether	2.189	2.534	-15.8	105	0.00
23	T	Vinyl Acetate	1.925	2.133	-10.8	98	0.00
24	P	1,1-Dichloroethane	1.219	1.379	-13.1	103	0.00
25	T	2-Butanone	0.543	0.604	-11.2	102	0.00
26	T	2,2-Dichloropropane	0.954	1.112	-16.6	109	0.00
27	T	cis-1,2-Dichloroethene	0.718	0.805	-12.1	103	0.00
28	T	Bromochloromethane	0.587	0.610	-3.9	99	-0.01
29	T	Tetrahydrofuran	0.340	0.370	-8.8	99	0.00
30	C	Chloroform	1.271	1.419	-11.6#	103	0.00
31	T	Cyclohexane	1.111	1.177	-5.9	98	-0.01
32	T	1,1,1-Trichloroethane	1.101	1.237	-12.4	103	0.00
33	S	1,2-Dichloroethane-d4	0.932	0.936	-0.4	97	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
35	S	Dibromofluoromethane	0.360	0.394	-9.4	103	0.00
36	T	1,1-Dichloropropene	0.484	0.534	-10.3	100	0.00
37	T	Ethyl Acetate	0.598	0.639	-6.9	97	-0.01
38	T	Carbon Tetrachloride	0.544	0.625	-14.9	104	0.00
39	T	Methylcyclohexane	0.623	0.681	-9.3	98	0.00
40	TM	Benzene	1.417	1.575	-11.2	99	0.00
41	T	Methacrylonitrile	0.313	0.380	-21.4	102	0.00
42	TM	1,2-Dichloroethane	0.612	0.699	-14.2	103	0.00
43	T	Isopropyl Acetate	0.912	1.042	-14.3	100	0.00
44	TM	Trichloroethene	0.341	0.385	-12.9	100	0.00
45	C	1,2-Dichloropropane	0.352	0.411	-16.8#	102	0.00
46	T	Dibromomethane	0.278	0.309	-11.2	100	0.00
47	T	Bromodichloromethane	0.547	0.648	-18.5	104	0.00
48	T	Methyl methacrylate	0.466	0.542	-16.3	100	0.00

Sample Results: **VX046433.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046433.D
Acq On : 02 Jun 2025 10:21
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 03 01:24:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.009	0.009	0.0	90	0.00
50	S	Toluene-d8	1.246	1.254	-0.6	95	0.00
51	T	4-Methyl-2-Pentanone	0.605	0.682	-12.7	100	0.00
52	CM	Toluene	0.869	0.958	-10.2#	99	0.00
53	T	t-1,3-Dichloropropene	0.487	0.591	-21.4	104	0.00
54	T	cis-1,3-Dichloropropene	0.538	0.646	-20.1	104	0.00
55	T	1,1,2-Trichloroethane	0.343	0.382	-11.4	100	0.00
56	T	Ethyl methacrylate	0.546	0.639	-17.0	99	0.00
57	T	1,3-Dichloropropane	0.615	0.685	-11.4	102	0.00
58	T	2-Chloroethyl Vinyl ether	0.278	0.325	-16.9	98	0.00
59	T	2-Hexanone	0.448	0.509	-13.6	100	0.00
60	T	Dibromochloromethane	0.376	0.460	-22.3	107	0.00
61	T	1,2-Dibromoethane	0.356	0.395	-11.0	98	0.00
62	S	4-Bromofluorobenzene	0.478	0.507	-6.1	100	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
64	T	Tetrachloroethene	0.354	0.389	-9.9	96	0.00
65	PM	Chlorobenzene	1.094	1.197	-9.4	101	0.00
66	T	1,1,1,2-Tetrachloroethane	0.374	0.424	-13.4	100	0.00
67	C	Ethyl Benzene	1.929	2.190	-13.5#	100	0.00
68	T	m/p-Xylenes	0.706	0.792	-12.2	99	0.00
69	T	o-Xylene	0.688	0.779	-13.2	99	0.00
70	T	Styrene	1.127	1.328	-17.8	101	0.00
71	P	Bromoform	0.281	0.340	-21.0	103	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
73	T	Isopropylbenzene	3.893	4.366	-12.2	102	0.00
74	T	N-amyl acetate	1.924	2.130	-10.7	99	0.00
75	P	1,1,2,2-Tetrachloroethane	1.364	1.417	-3.9	102	0.00
76	T	1,2,3-Trichloropropane	1.204	1.292	-7.3	105	0.00
77	T	Bromobenzene	0.904	0.987	-9.2	102	0.00
78	T	n-propylbenzene	4.526	5.116	-13.0	101	0.00
79	T	2-Chlorotoluene	2.919	3.137	-7.5	101	0.00
80	T	1,3,5-Trimethylbenzene	3.252	3.691	-13.5	102	0.00
81	T	trans-1,4-Dichloro-2-butene	0.370	0.424	-14.6	106	0.00
82	T	4-Chlorotoluene	3.238	3.634	-12.2	102	0.00
83	T	tert-Butylbenzene	3.276	3.635	-11.0	102	0.00
84	T	1,2,4-Trimethylbenzene	3.293	3.719	-12.9	101	0.00
85	T	sec-Butylbenzene	4.022	4.569	-13.6	102	0.00
86	T	p-Isopropyltoluene	3.320	3.845	-15.8	104	0.00
87	T	1,3-Dichlorobenzene	1.649	1.823	-10.6	103	0.00
88	T	1,4-Dichlorobenzene	1.684	1.827	-8.5	104	0.00
89	T	n-Butylbenzene	2.912	3.493	-20.0	107	0.00
90	T	Hexachloroethane	0.585	0.701	-19.8	108	0.00
91	T	1,2-Dichlorobenzene	1.655	1.818	-9.8	103	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.302	0.337	-11.6	100	0.00
93	T	1,2,4-Trichlorobenzene	0.951	1.078	-13.4	106	0.00
94	T	Hexachlorobutadiene	0.415	0.479	-15.4	108	0.00
95	T	Naphthalene	3.487	3.749	-7.5	100	0.00

Sample Results: **VX046433.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046433.D
Acq On : 02 Jun 2025 10:21
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 03 01:24:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.981	1.103	-12.4	104	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX046433.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046433.D
Acq On : 02 Jun 2025 10:21
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 03 01:24:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	94	0.00
2	T	Dichlorodifluoromethane	50.000	55.466	-10.9	92	0.00
3	P	Chloromethane	50.000	55.048	-10.1	99	0.00
4	C	Vinyl Chloride	50.000	53.142	-6.3#	97	0.00
5	T	Bromomethane	50.000	52.289	-4.6	97	0.00
6	T	Chloroethane	50.000	55.901	-11.8	102	0.00
7	T	Trichlorofluoromethane	50.000	55.667	-11.3	100	0.00
8	T	Diethyl Ether	50.000	53.276	-6.6	103	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	57.176	-14.4	106	0.00
10	T	Methyl Iodide	50.000	53.713	-7.4	94	0.00
11	T	Tert butyl alcohol	250.000	249.749	0.1	95	0.00
12	CM	1,1-Dichloroethene	50.000	54.835	-9.7#	102	0.00
13	T	Acrolein	250.000	245.681	1.7	90	0.00
14	T	Allyl chloride	50.000	57.739	-15.5	104	0.00
15	T	Acrylonitrile	250.000	274.035	-9.6	99	0.00
16	T	Acetone	250.000	293.784	-17.5	114	0.00
17	T	Carbon Disulfide	50.000	54.077	-8.2	98	0.00
18	T	Methyl Acetate	50.000	68.541	-37.1#	132	0.00
19	T	Methyl tert-butyl Ether	50.000	56.604	-13.2	102	0.00
20	T	Methylene Chloride	50.000	52.861	-5.7	104	0.00
21	T	trans-1,2-Dichloroethene	50.000	54.056	-8.1	99	0.00
22	T	Diisopropyl ether	50.000	57.886	-15.8	105	0.00
23	T	Vinyl Acetate	250.000	277.004	-10.8	98	0.00
24	P	1,1-Dichloroethane	50.000	56.565	-13.1	103	0.00
25	T	2-Butanone	250.000	278.140	-11.3	102	0.00
26	T	2,2-Dichloropropane	50.000	58.249	-16.5	109	0.00
27	T	cis-1,2-Dichloroethene	50.000	56.099	-12.2	103	0.00
28	T	Bromochloromethane	50.000	52.003	-4.0	99	-0.01
29	T	Tetrahydrofuran	250.000	272.299	-8.9	99	0.00
30	C	Chloroform	50.000	55.826	-11.7#	103	0.00
31	T	Cyclohexane	50.000	52.958	-5.9	98	-0.01
32	T	1,1,1-Trichloroethane	50.000	56.155	-12.3	103	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.232	-0.5	97	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	93	0.00
35	S	Dibromofluoromethane	50.000	54.769	-9.5	103	0.00
36	T	1,1-Dichloropropene	50.000	55.170	-10.3	100	0.00
37	T	Ethyl Acetate	50.000	53.466	-6.9	97	-0.01
38	T	Carbon Tetrachloride	50.000	57.505	-15.0	104	0.00
39	T	Methylcyclohexane	50.000	54.674	-9.3	98	0.00
40	TM	Benzene	50.000	55.573	-11.1	99	0.00
41	T	Methacrylonitrile	50.000	60.801	-21.6	102	0.00
42	TM	1,2-Dichloroethane	50.000	57.128	-14.3	103	0.00
43	T	Isopropyl Acetate	50.000	57.141	-14.3	100	0.00
44	TM	Trichloroethene	50.000	56.415	-12.8	100	0.00
45	C	1,2-Dichloropropane	50.000	58.264	-16.5#	102	0.00
46	T	Dibromomethane	50.000	55.522	-11.0	100	0.00
47	T	Bromodichloromethane	50.000	59.218	-18.4	104	0.00
48	T	Methyl methacrylate	50.000	58.147	-16.3	100	0.00

Sample Results: **VX046433.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046433.D
Acq On : 02 Jun 2025 10:21
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 03 01:24:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1003.685	-0.4	90	0.00
50	S	Toluene-d8	50.000	50.323	-0.6	95	0.00
51	T	4-Methyl-2-Pentanone	250.000	281.670	-12.7	100	0.00
52	CM	Toluene	50.000	55.148	-10.3#	99	0.00
53	T	t-1,3-Dichloropropene	50.000	60.714	-21.4	104	0.00
54	T	cis-1,3-Dichloropropene	50.000	60.100	-20.2	104	0.00
55	T	1,1,2-Trichloroethane	50.000	55.708	-11.4	100	0.00
56	T	Ethyl methacrylate	50.000	58.533	-17.1	99	0.00
57	T	1,3-Dichloropropane	50.000	55.696	-11.4	102	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	291.982	-16.8	98	0.00
59	T	2-Hexanone	250.000	284.399	-13.8	100	0.00
60	T	Dibromochloromethane	50.000	61.182	-22.4	107	0.00
61	T	1,2-Dibromoethane	50.000	55.494	-11.0	98	0.00
62	S	4-Bromofluorobenzene	50.000	52.998	-6.0	100	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	92	0.00
64	T	Tetrachloroethene	50.000	55.041	-10.1	96	0.00
65	PM	Chlorobenzene	50.000	54.675	-9.3	101	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	56.732	-13.5	100	0.00
67	C	Ethyl Benzene	50.000	56.753	-13.5#	100	0.00
68	T	m/p-Xylenes	100.000	112.298	-12.3	99	0.00
69	T	o-Xylene	50.000	56.660	-13.3	99	0.00
70	T	Styrene	50.000	58.934	-17.9	101	0.00
71	P	Bromoform	50.000	60.554	-21.1	103	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	96	0.00
73	T	Isopropylbenzene	50.000	56.079	-12.2	102	0.00
74	T	N-amyl acetate	50.000	55.361	-10.7	99	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.953	-3.9	102	0.00
76	T	1,2,3-Trichloropropane	50.000	53.676	-7.4	105	0.00
77	T	Bromobenzene	50.000	54.589	-9.2	102	0.00
78	T	n-propylbenzene	50.000	56.517	-13.0	101	0.00
79	T	2-Chlorotoluene	50.000	53.726	-7.5	101	0.00
80	T	1,3,5-Trimethylbenzene	50.000	56.753	-13.5	102	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	57.336	-14.7	106	0.00
82	T	4-Chlorotoluene	50.000	56.121	-12.2	102	0.00
83	T	tert-Butylbenzene	50.000	55.481	-11.0	102	0.00
84	T	1,2,4-Trimethylbenzene	50.000	56.464	-12.9	101	0.00
85	T	sec-Butylbenzene	50.000	56.795	-13.6	102	0.00
86	T	p-Isopropyltoluene	50.000	57.915	-15.8	104	0.00
87	T	1,3-Dichlorobenzene	50.000	55.275	-10.5	103	0.00
88	T	1,4-Dichlorobenzene	50.000	54.241	-8.5	104	0.00
89	T	n-Butylbenzene	50.000	59.982	-20.0	107	0.00
90	T	Hexachloroethane	50.000	59.897	-19.8	108	0.00
91	T	1,2-Dichlorobenzene	50.000	54.927	-9.9	103	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	55.720	-11.4	100	0.00
93	T	1,2,4-Trichlorobenzene	50.000	56.697	-13.4	106	0.00
94	T	Hexachlorobutadiene	50.000	57.691	-15.4	108	0.00
95	T	Naphthalene	50.000	53.765	-7.5	100	0.00

Sample Results: **VX046433.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046433.D
Acq On : 02 Jun 2025 10:21
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 03 01:24:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	56.226	-12.5	104	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VY022472.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SCAL01

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG No.: Q2161

Instrument ID: MSVOA_Y Calibration Date/Time: 05/30/2025 11:20

Lab File ID: VY022472.D Init. Calib. Date(s): 05/27/2025 05/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 08:50 10:44

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.477	0.443		-7.13	20
Chloromethane	1.173	1.101	0.1	-6.14	20
Vinyl Chloride	1.425	1.489		4.49	20
Bromomethane	1.295	1.258		-2.86	20
Chloroethane	0.932	1.031		10.62	20
Trichlorofluoromethane	1.203	1.304		8.4	20
1,1,2-Trichlorotrifluoroethane	0.528	0.546		3.41	20
1,1-Dichloroethene	0.524	0.533		1.72	20
Acetone	0.087	0.136		56.32	20
Carbon Disulfide	1.672	1.671		-0.06	20
Methyl tert-butyl Ether	1.391	1.455		4.6	20
Methyl Acetate	0.324	0.347		7.1	20
Methylene Chloride	0.611	0.624		2.13	20
trans-1,2-Dichloroethene	0.572	0.576		0.7	20
1,1-Dichloroethane	1.028	1.102	0.1	7.2	20
Cyclohexane	1.013	0.985		-2.76	20
2-Butanone	0.144	0.177		22.92	20
Carbon Tetrachloride	0.484	0.499		3.1	20
cis-1,2-Dichloroethene	0.662	0.678		2.42	20
Bromochloromethane	0.429	0.474		10.49	20
Chloroform	1.013	1.075		6.12	20
1,1,1-Trichloroethane	0.919	0.966		5.11	20
Methylcyclohexane	0.618	0.635		2.75	20
Benzene	1.383	1.452		4.99	20
1,2-Dichloroethane	0.365	0.396		8.49	20
Trichloroethene	0.342	0.351		2.63	20
1,2-Dichloropropane	0.325	0.345		6.15	20
Bromodichloromethane	0.467	0.499		6.85	20
4-Methyl-2-Pentanone	0.213	0.239		12.21	20
Toluene	0.864	0.911		5.44	20
t-1,3-Dichloropropene	0.435	0.463		6.44	20
cis-1,3-Dichloropropene	0.511	0.539		5.48	20
1,1,2-Trichloroethane	0.229	0.247		7.86	20
2-Hexanone	0.140	0.167		19.29	20
Dibromochloromethane	0.293	0.307		4.78	20
1,2-Dibromoethane	0.210	0.223		6.19	20
Tetrachloroethene	0.426	0.425		-0.23	20
Chlorobenzene	1.066	1.125	0.3	5.53	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: **VY022472.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SCAL01

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG No.: Q2161

Instrument ID: MSVOA_Y Calibration Date/Time: 05/30/2025 11:20

Lab File ID: VY022472.D Init. Calib. Date(s): 05/27/2025 05/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 08:50 10:44

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.980	2.116		6.87	20
m/p-Xylenes	0.751	0.791		5.33	20
o-Xylene	0.705	0.739		4.82	20
Styrene	1.175	1.247		6.13	20
Bromoform	0.189	0.200	0.1	5.82	20
Isopropylbenzene	3.935	4.187		6.4	20
1,1,2,2-Tetrachloroethane	0.620	0.676	0.3	9.03	20
1,3-Dichlorobenzene	1.704	1.793		5.22	20
1,4-Dichlorobenzene	1.629	1.722		5.71	20
1,2-Dichlorobenzene	1.423	1.512		6.25	20
1,2-Dibromo-3-Chloropropane	0.096	0.102		6.25	20
1,2,4-Trichlorobenzene	0.789	0.847		7.35	20
1,2,3-Trichlorobenzene	0.647	0.694		7.26	20
1,2-Dichloroethane-d4	0.527	0.572		8.54	20
Dibromofluoromethane	0.293	0.309		5.46	20
Toluene-d8	1.194	1.265		5.95	20
4-Bromofluorobenzene	0.361	0.365		1.11	20

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

Sample Results: **VY022472.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
Data File : VY022472.D
Acq On : 30 May 2025 11:20
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

Quant Time: May 31 02:24:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	214827	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	359018	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	302615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	141076	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	122804	54.271	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.540%			
35) Dibromofluoromethane	7.634	113	111018	52.802	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.600%			
50) Toluene-d8	10.109	98	454223	52.995	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.000%			
62) 4-Bromofluorobenzene	12.408	95	131020	50.536	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	95270	46.482	ug/l	99
3) Chloromethane	2.068	50	236533	46.917	ug/l	98
4) Vinyl Chloride	2.202	62	319792	52.214	ug/l	99
5) Bromomethane	2.599	94	270186	48.545	ug/l	98
6) Chloroethane	2.733	64	221468	55.336	ug/l	99
7) Trichlorofluoromethane	3.050	101	280158	54.215	ug/l	99
8) Diethyl Ether	3.452	74	63183	53.028	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	117207	51.700	ug/l	100
10) Methyl Iodide	4.001	142	134525	52.597	ug/l	99
11) Tert butyl alcohol	4.872	59	43710	274.048	ug/l	98
12) 1,1-Dichloroethene	3.787	96	114564	50.900	ug/l	99
13) Acrolein	3.653	56	47167	197.364	ug/l	96
14) Allyl chloride	4.385	41	180338	53.264	ug/l	99
15) Acrylonitrile	5.061	53	132286	275.441	ug/l	100
16) Acetone	3.873	43	145680	391.791	ug/l #	89
17) Carbon Disulfide	4.110	76	358960	49.975	ug/l	100
18) Methyl Acetate	4.385	43	74480	53.473	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	312551	52.305	ug/l	100
20) Methylene Chloride	4.616	84	133998	51.033	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	123703	50.343	ug/l	98
22) Diisopropyl ether	6.019	45	391867	52.442	ug/l	99
23) Vinyl Acetate	5.958	43	1161936	270.813	ug/l	100
24) 1,1-Dichloroethane	5.915	63	236649	53.595	ug/l	99
25) 2-Butanone	6.890	43	189621	306.209	ug/l	98
26) 2,2-Dichloropropane	6.890	77	208375	52.118	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	145719	51.226	ug/l	98
28) Bromochloromethane	7.244	49	101857	55.243	ug/l	98
29) Tetrahydrofuran	7.268	42	112734	272.968	ug/l	99
30) Chloroform	7.421	83	230841	53.056	ug/l	97
31) Cyclohexane	7.701	56	211518	48.596	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	207459	52.539	ug/l	100
36) 1,1-Dichloropropene	7.835	75	173461	51.991	ug/l	99
37) Ethyl Acetate	6.982	43	80759	56.957	ug/l	99
38) Carbon Tetrachloride	7.817	117	179250	51.575	ug/l	99
39) Methylcyclohexane	9.110	83	227959	51.401	ug/l	99
40) Benzene	8.079	78	521250	52.505	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
Data File : VY022472.D
Acq On : 30 May 2025 11:20
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 31 02:24:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	40204m	46.717	ug/l		
42) 1,2-Dichloroethane	8.158	62	142105	54.198	ug/l		100
43) Isopropyl Acetate	8.195	43	169608	54.741	ug/l		100
44) Trichloroethene	8.866	130	126115	51.388	ug/l		93
45) 1,2-Dichloropropane	9.140	63	123689	53.028	ug/l		100
46) Dibromomethane	9.231	93	69415	53.273	ug/l		99
47) Bromodichloromethane	9.420	83	179267	53.501	ug/l		98
48) Methyl methacrylate	9.219	41	78438	54.537	ug/l		99
49) 1,4-Dioxane	9.231	88	15221	1057.597	ug/l		95
51) 4-Methyl-2-Pentanone	10.000	43	429775	281.130	ug/l		99
52) Toluene	10.170	92	326922	52.723	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	166316	53.288	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	193537	52.773	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	88581	53.769	ug/l		98
56) Ethyl methacrylate	10.439	69	128298	54.268	ug/l		96
57) 1,3-Dichloropropane	10.719	76	156012	53.738	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	312651	265.353	ug/l		99
59) 2-Hexanone	10.762	43	300454	299.896	ug/l		98
60) Dibromochloromethane	10.914	129	110167	52.350	ug/l		97
61) 1,2-Dibromoethane	11.018	107	80164	53.202	ug/l		98
64) Tetrachloroethene	10.646	164	128759	49.960	ug/l		97
65) Chlorobenzene	11.444	112	340296	52.737	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	115325	52.750	ug/l		100
67) Ethyl Benzene	11.518	91	640335	53.445	ug/l		99
68) m/p-Xylenes	11.627	106	478725	105.386	ug/l		99
69) o-Xylene	11.957	106	223592	52.372	ug/l		99
70) Styrene	11.969	104	377497	53.102	ug/l		98
71) Bromoform	12.133	173	60534	52.861	ug/l	#	99
73) Isopropylbenzene	12.255	105	590708	53.202	ug/l		99
74) N-amyl acetate	12.072	43	151932	55.921	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	95330	54.495	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	74219m	52.522	ug/l		
77) Bromobenzene	12.530	156	123295	51.601	ug/l		97
78) n-propylbenzene	12.597	91	724086	54.342	ug/l		99
79) 2-Chlorotoluene	12.682	91	383669	53.192	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	465580	53.667	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	34068	54.520	ug/l		98
82) 4-Chlorotoluene	12.780	91	395252	53.206	ug/l		100
83) tert-Butylbenzene	12.999	119	422268	53.873	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	467206	53.516	ug/l		99
85) sec-Butylbenzene	13.176	105	635190	54.644	ug/l		100
86) p-Isopropyltoluene	13.292	119	526830	54.274	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	252923	52.609	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	242932	52.846	ug/l		98
89) n-Butylbenzene	13.621	91	502383	55.199	ug/l		99
90) Hexachloroethane	13.883	117	103024	53.335	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	213313	53.121	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	14324	52.990	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	119498	53.679	ug/l		99
94) Hexachlorobutadiene	15.023	225	63399	54.267	ug/l		98
95) Naphthalene	15.145	128	228264	55.465	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	97859	53.600	ug/l		99

Sample Results: **VY022472.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
Data File : VY022472.D
Acq On : 30 May 2025 11:20
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

Quant Time: May 31 02:24:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

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

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

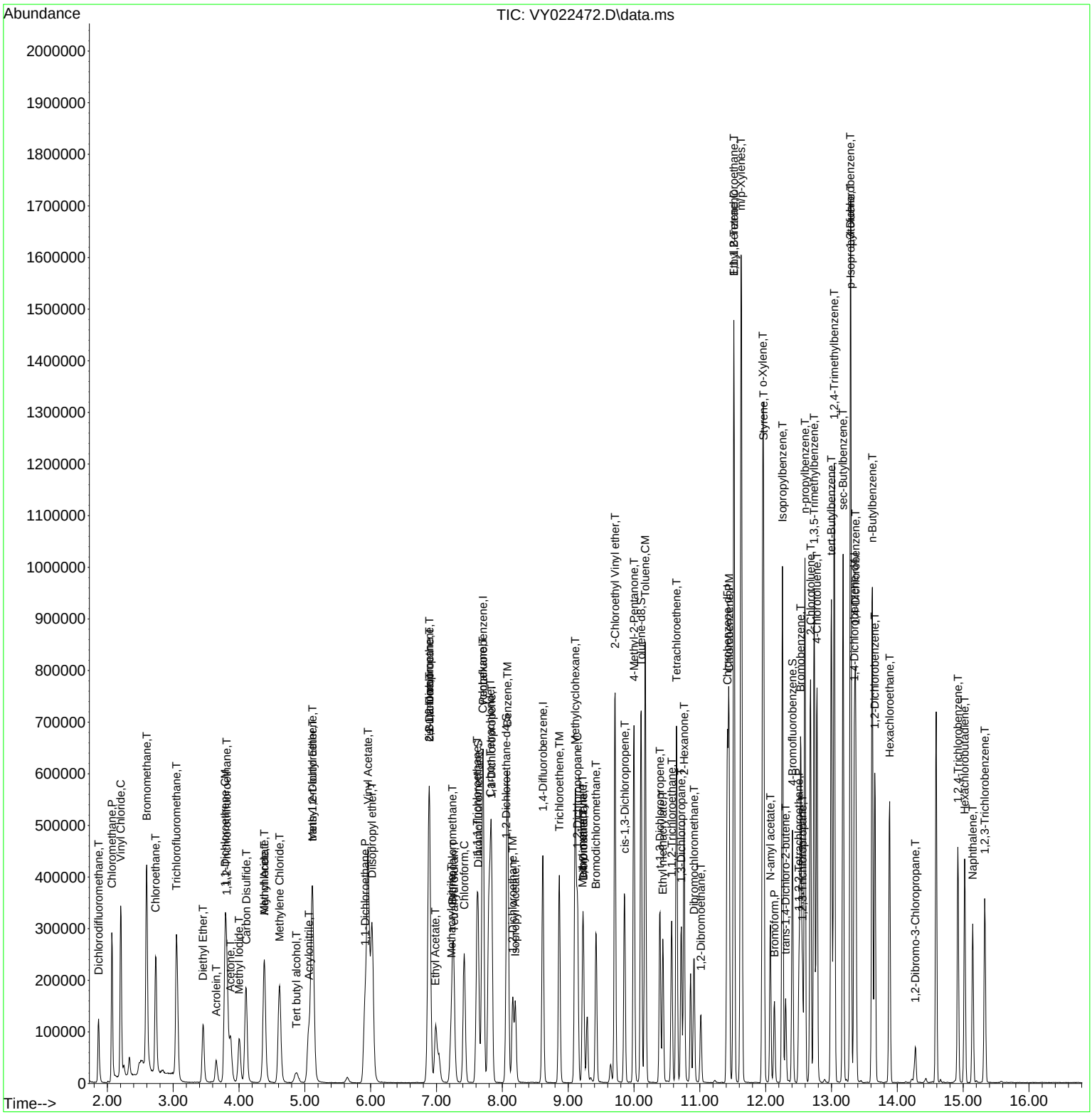
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
Data File : VY022472.D
Acq On : 30 May 2025 11:20
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

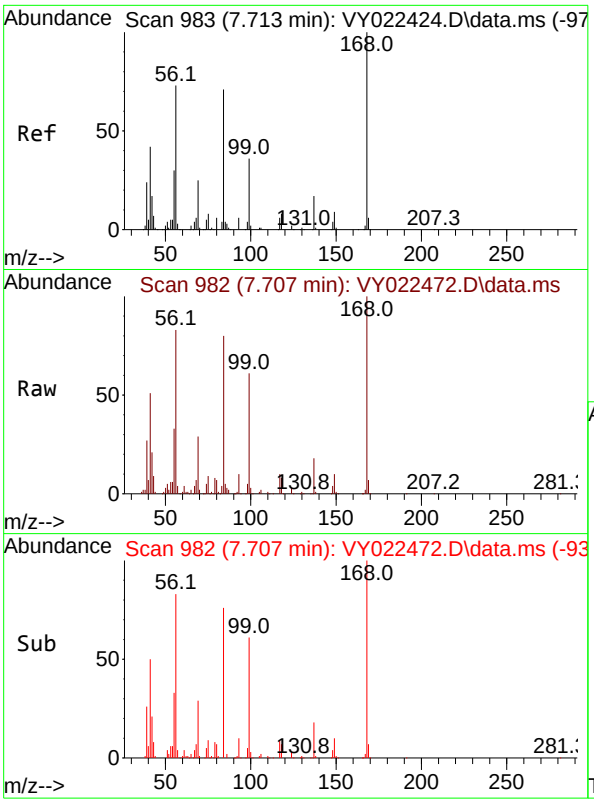
Quant Time: May 31 02:24:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

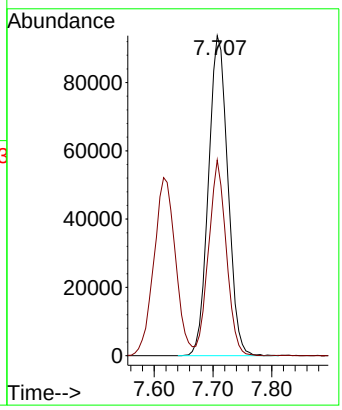




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion:168 Resp: 21482

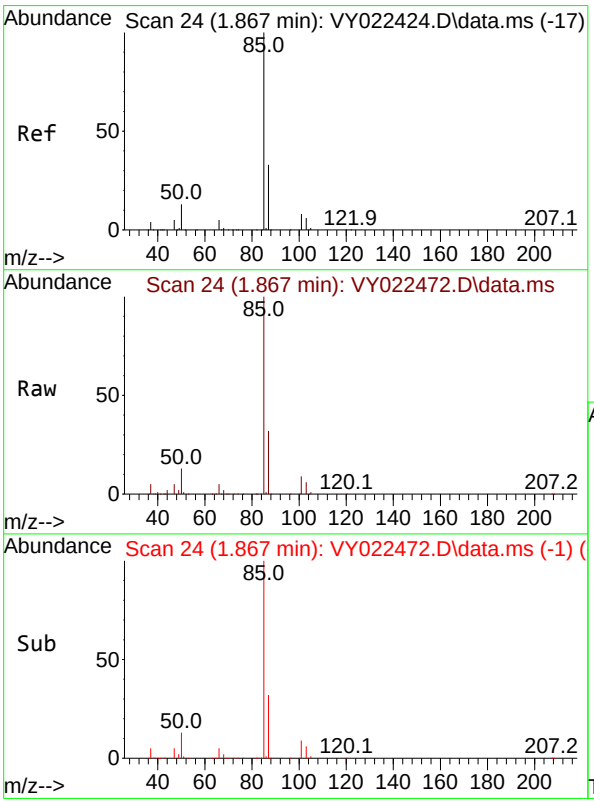
Ion	Ratio	Lower	Upper
168	100		
99	61.0	44.7	67.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

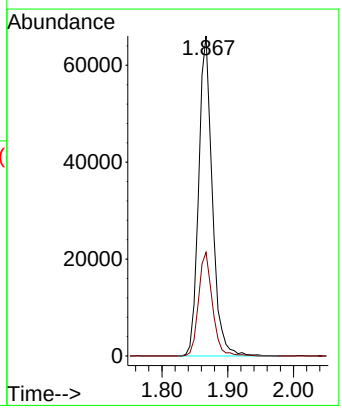
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

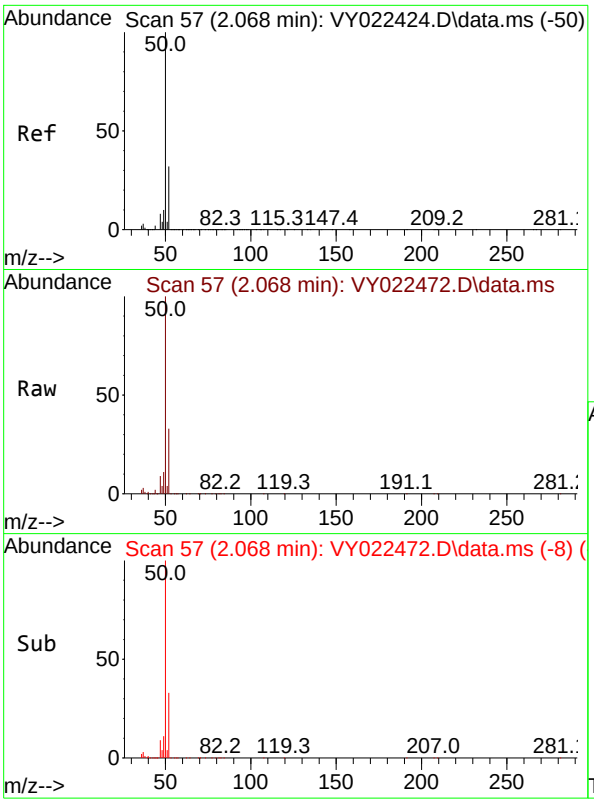


#2
Dichlorodifluoromethane
Concen: 46.482 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 85 Resp: 95270

Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.4	49.2

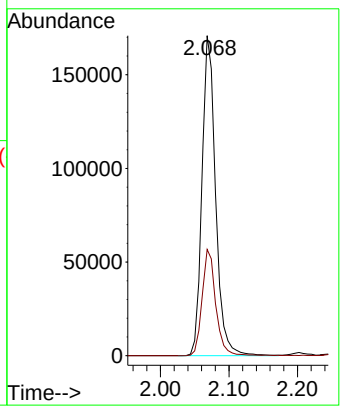




#3
Chloromethane
Concen: 46.917 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 50 Resp: 23653

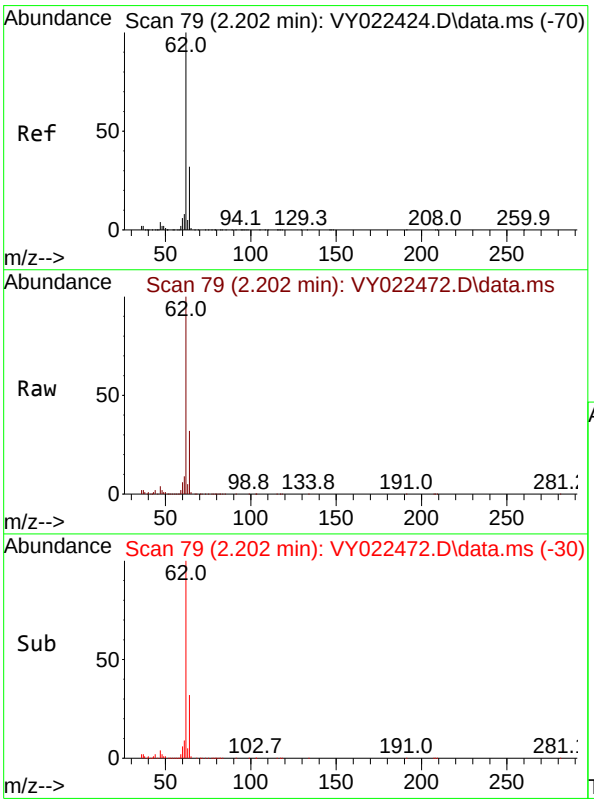
Ion	Ratio	Lower	Upper
50	100		
52	33.2	25.5	38.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

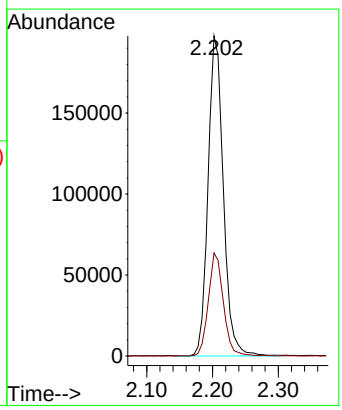
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

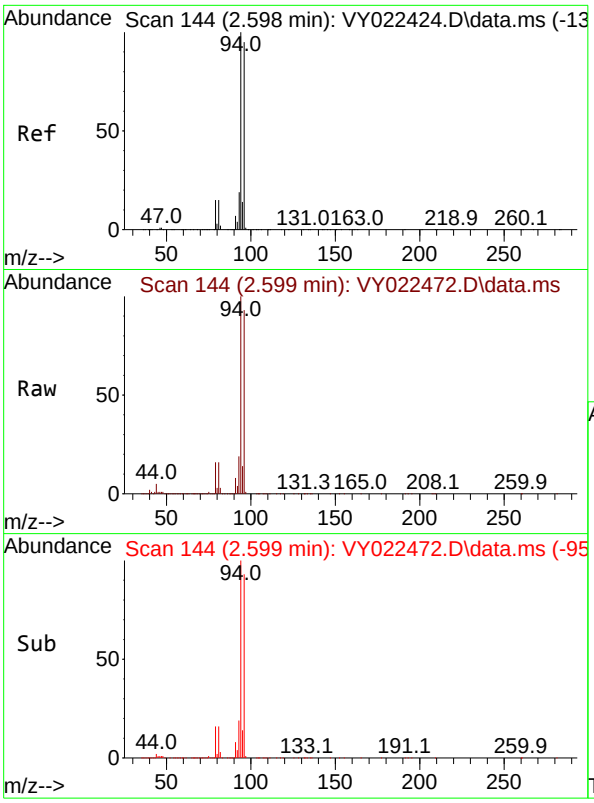


#4
Vinyl Chloride
Concen: 52.214 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 62 Resp: 319792

Ion	Ratio	Lower	Upper
62	100		
64	32.1	26.0	39.0

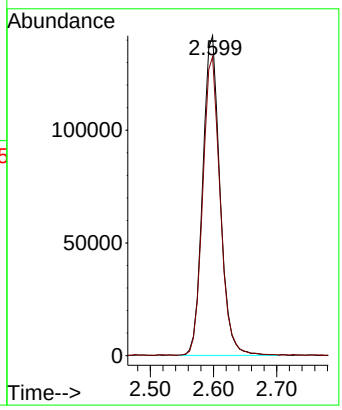




#5
Bromomethane
Concen: 48.545 ug/l
RT: 2.599 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 94 Resp: 27018

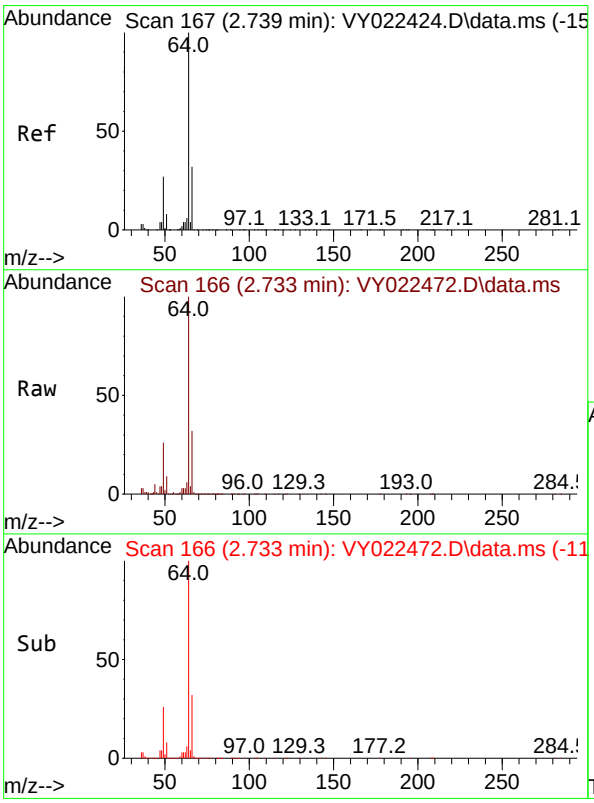
Ion	Ratio	Lower	Upper
94	100		
96	93.3	76.0	114.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

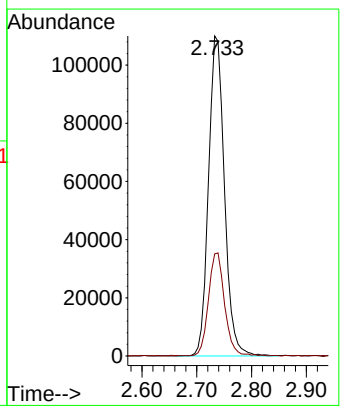
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

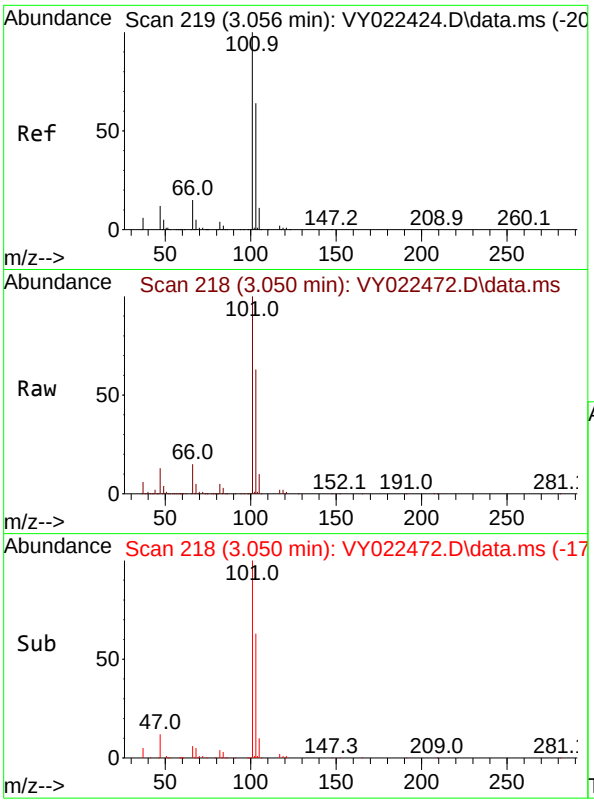


#6
Chloroethane
Concen: 55.336 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 64 Resp: 221468

Ion	Ratio	Lower	Upper
64	100		
66	31.8	25.9	38.9

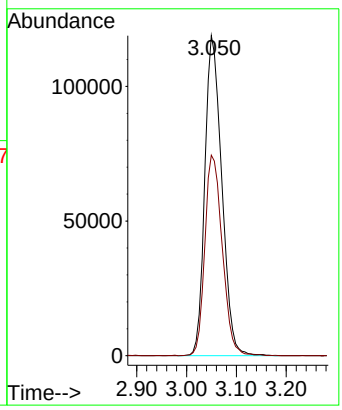




#7
Trichlorofluoromethane
Concen: 54.215 ug/l
RT: 3.050 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion:101 Resp: 28015

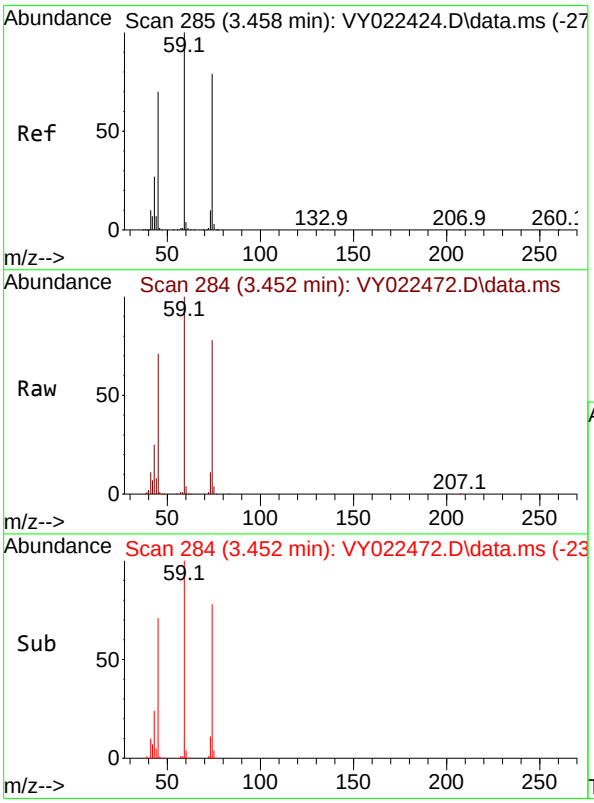
Ion	Ratio	Lower	Upper
101	100		
103	62.7	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

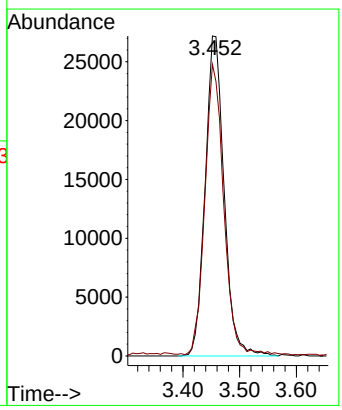
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

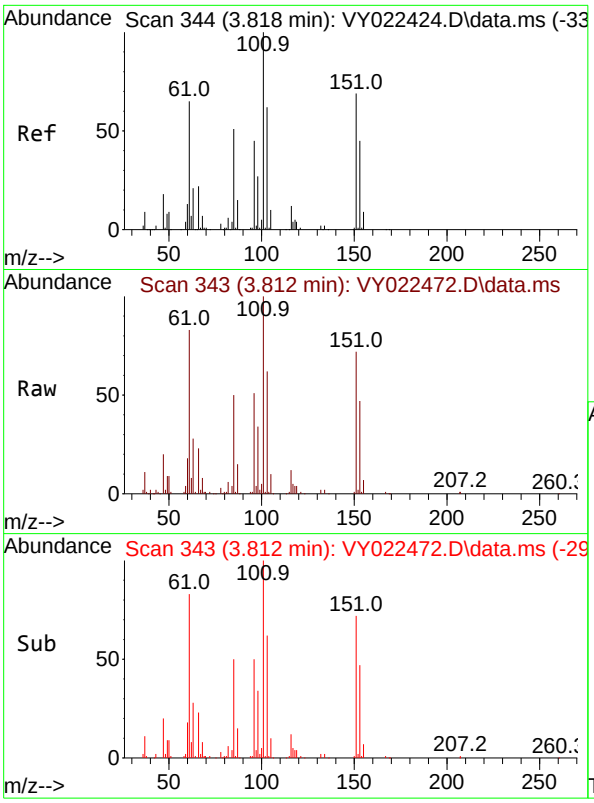


#8
Diethyl Ether
Concen: 53.028 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.006 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 74 Resp: 63183

Ion	Ratio	Lower	Upper
74	100		
45	90.3	44.9	134.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.700 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

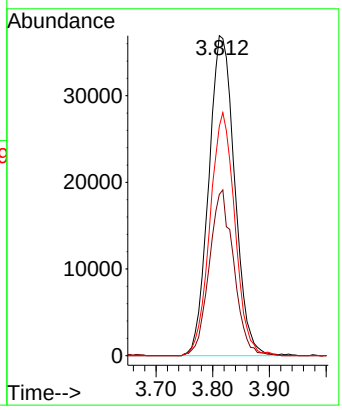
Tgt Ion:101 Resp: 11720

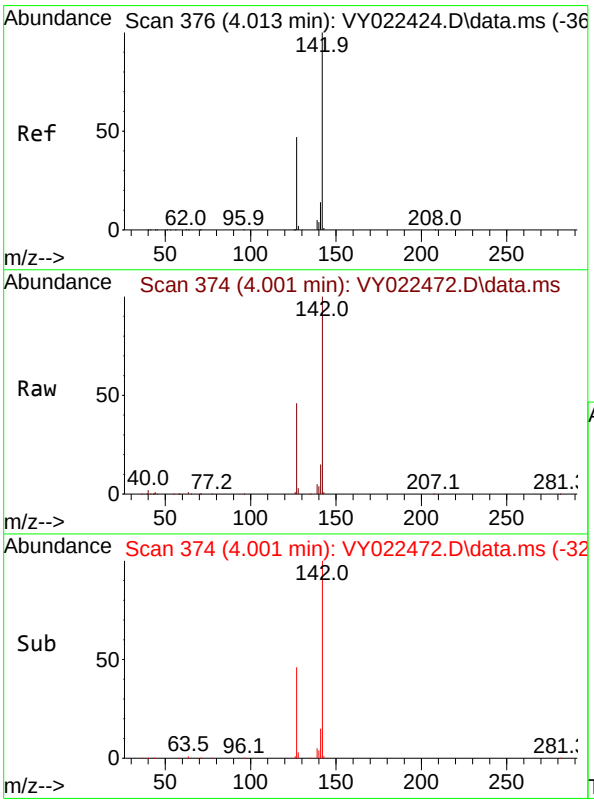
Ion	Ratio	Lower	Upper
101	100		
85	48.9	39.2	58.8
151	73.2	58.8	88.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

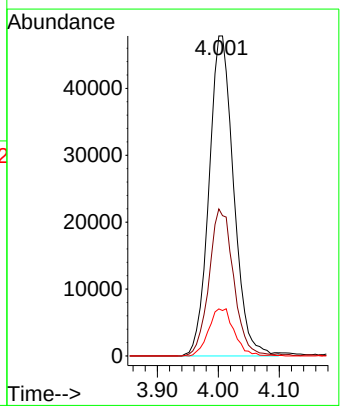


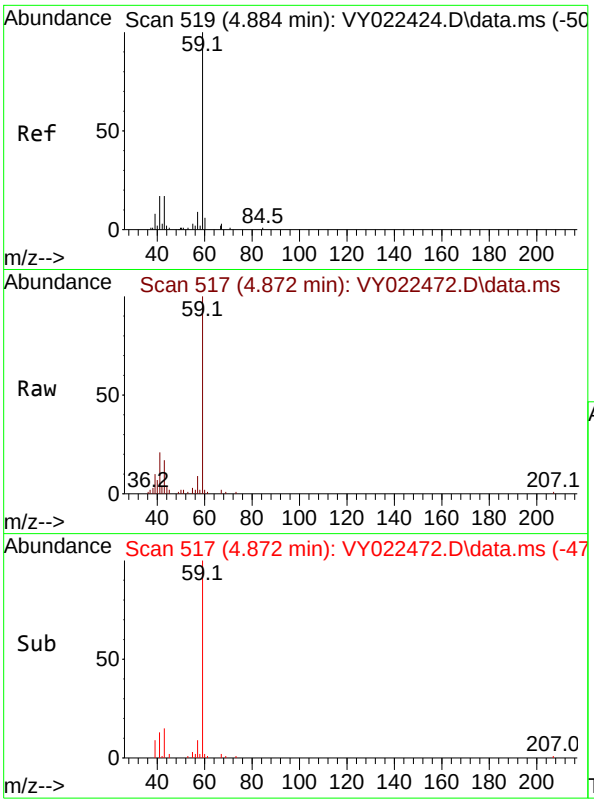


#10
Methyl Iodide
Concen: 52.597 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.012 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion:142 Resp: 134525

Ion	Ratio	Lower	Upper
142	100		
127	45.7	36.2	54.4
141	15.2	11.6	17.4

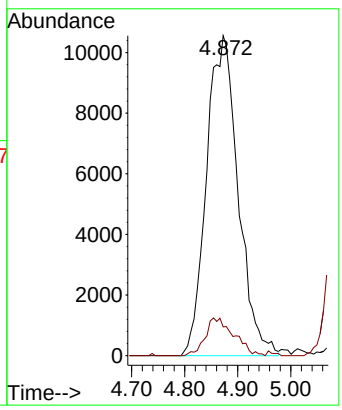




#11
Tert butyl alcohol
Concen: 274.048 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 59 Resp: 4371

Ion	Ratio	Lower	Upper
59	100		
57	10.7	9.1	13.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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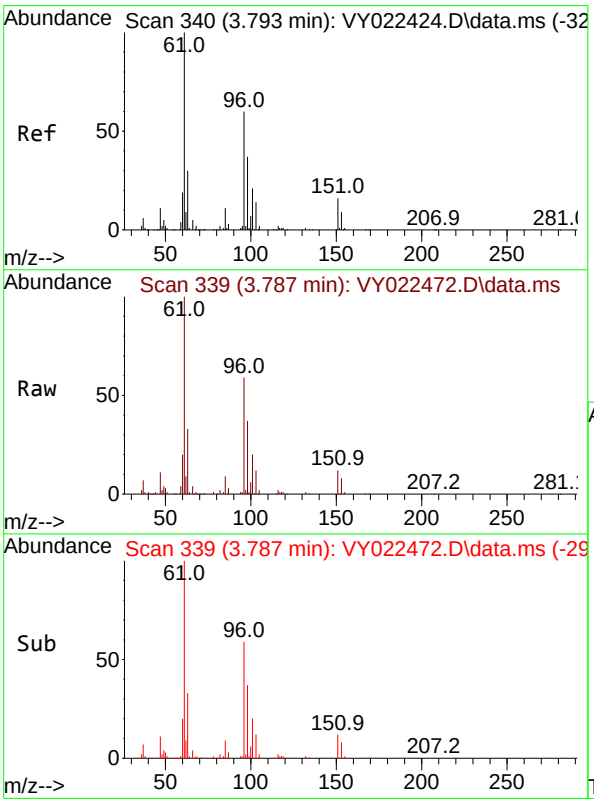
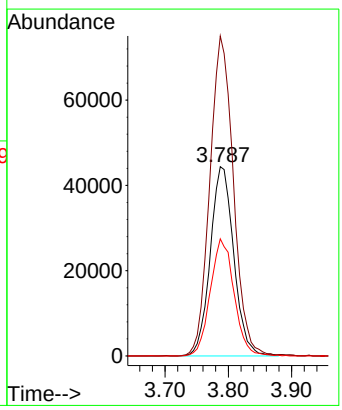
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

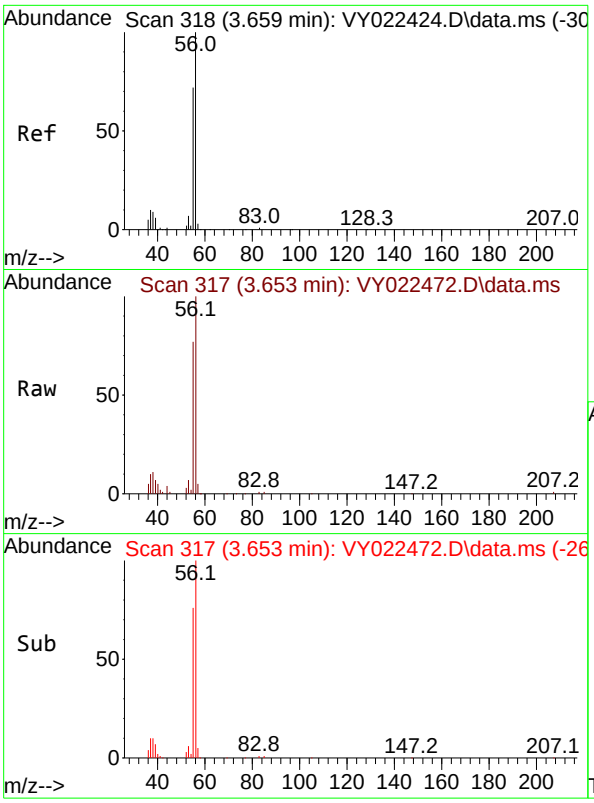


#12
1,1-Dichloroethene
Concen: 50.900 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.006 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 96 Resp: 114564

Ion	Ratio	Lower	Upper
96	100		
61	169.0	134.1	201.1
98	61.9	50.2	75.2

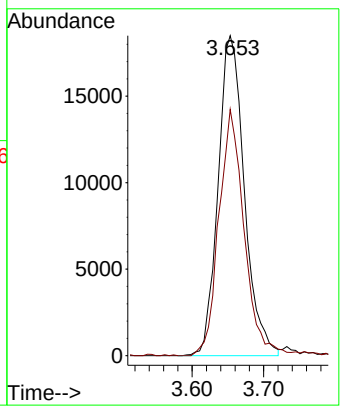




#13
Acrolein
Concen: 197.364 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 56 Resp: 4716

Ion	Ratio	Lower	Upper
56	100		
55	73.8	56.5	84.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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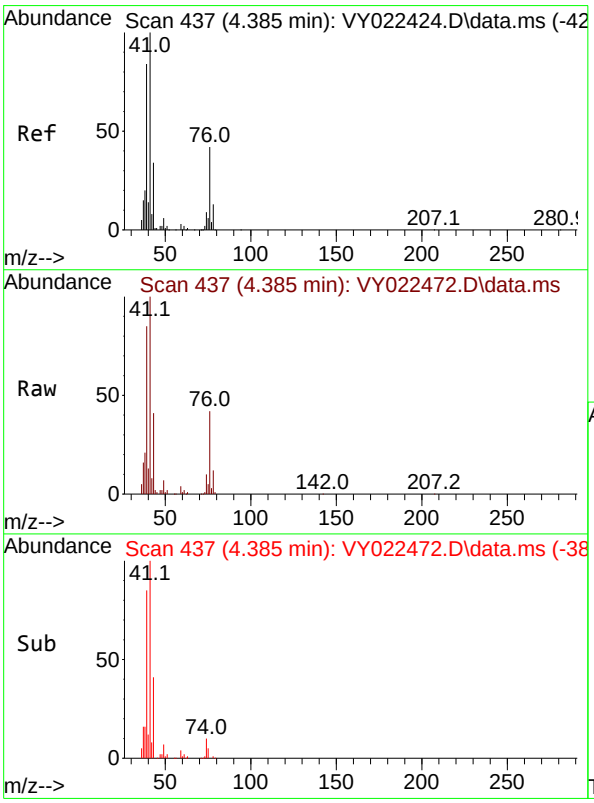
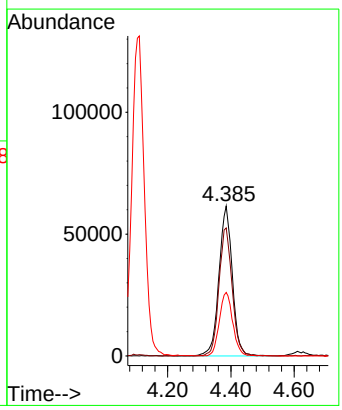
Supervised By :Mahesh Dadoda 06/02/2025

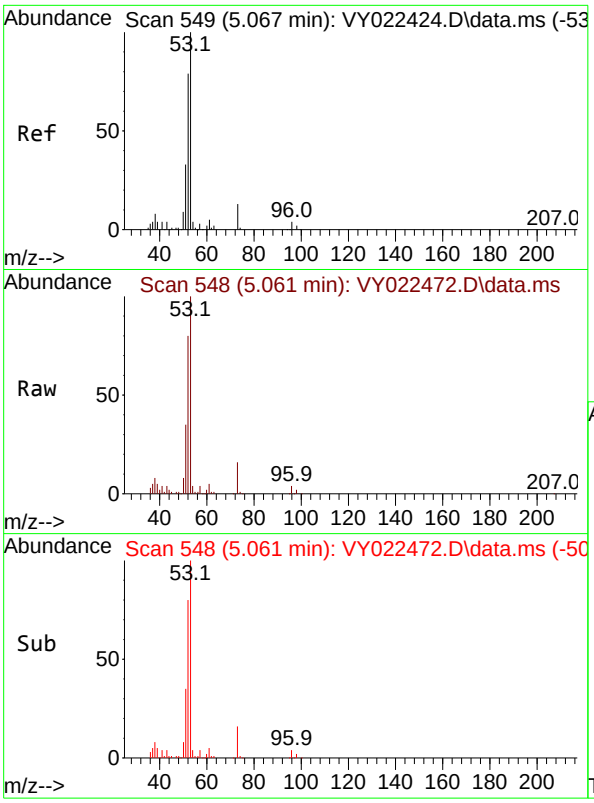


#14
Allyl chloride
Concen: 53.264 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 41 Resp: 180338

Ion	Ratio	Lower	Upper
41	100		
39	84.0	66.6	100.0
76	42.3	33.7	50.5





#15
Acrylonitrile
Concen: 275.441 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 53 Resp: 13228

Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.1	97.7
51	37.0	30.0	45.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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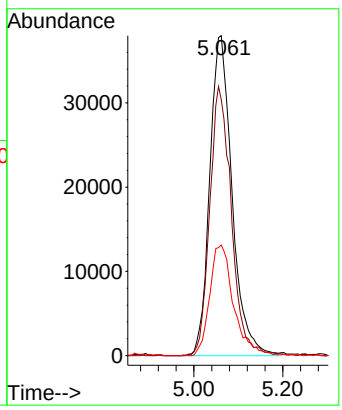
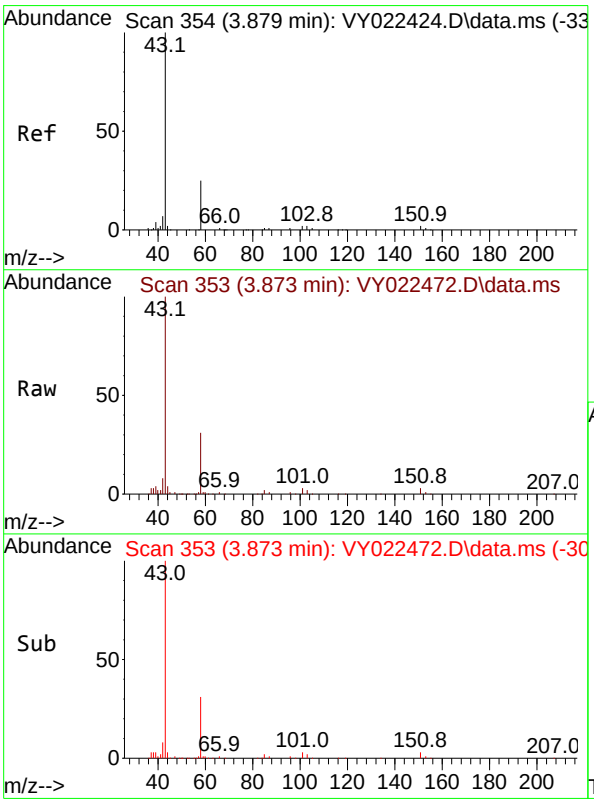
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

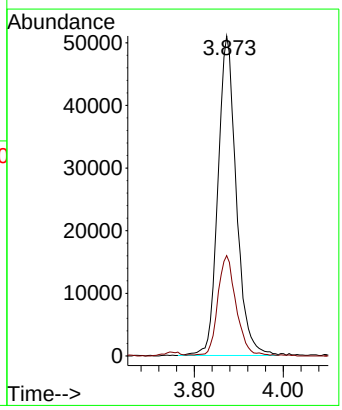


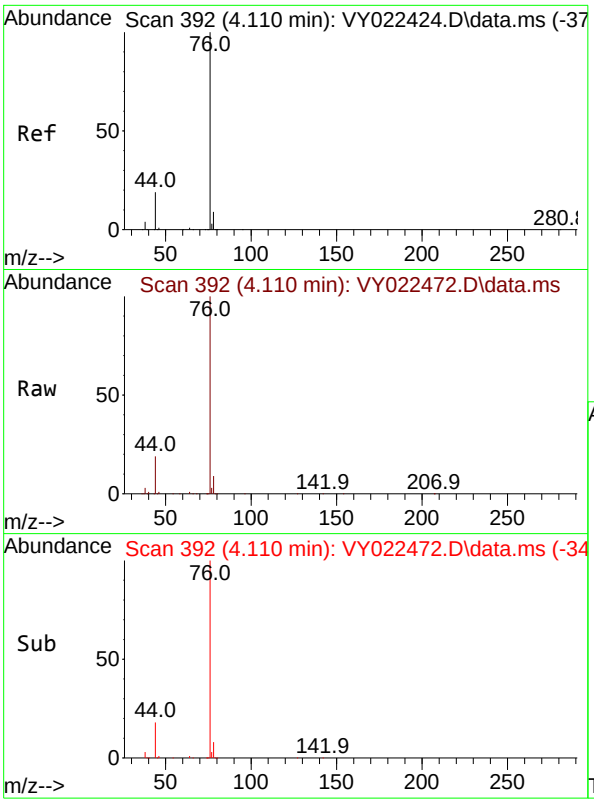


#16
Acetone
Concen: 391.791 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 43 Resp: 145680

Ion	Ratio	Lower	Upper
43	100		
58	31.2	20.6	30.8#





#17
Carbon Disulfide
Concen: 49.975 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 76 Resp: 35896

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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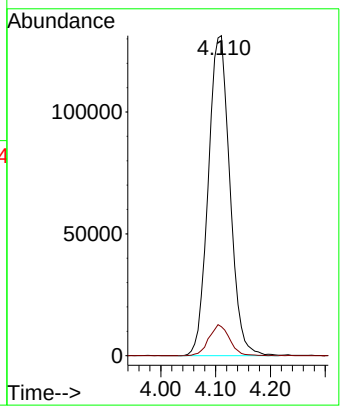
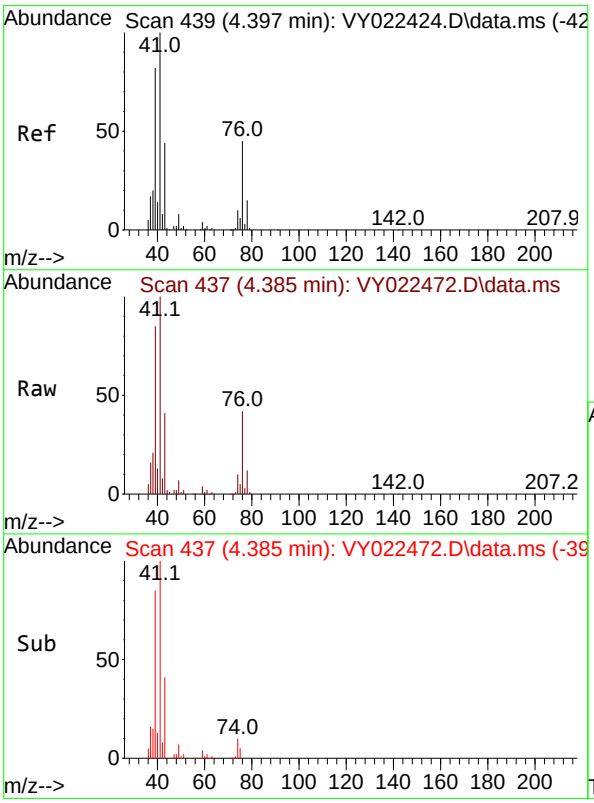
Supervised By :Mahesh Dadoda 06/02/2025

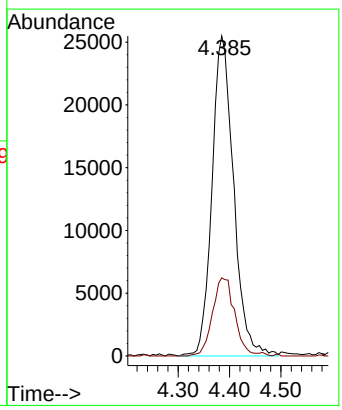


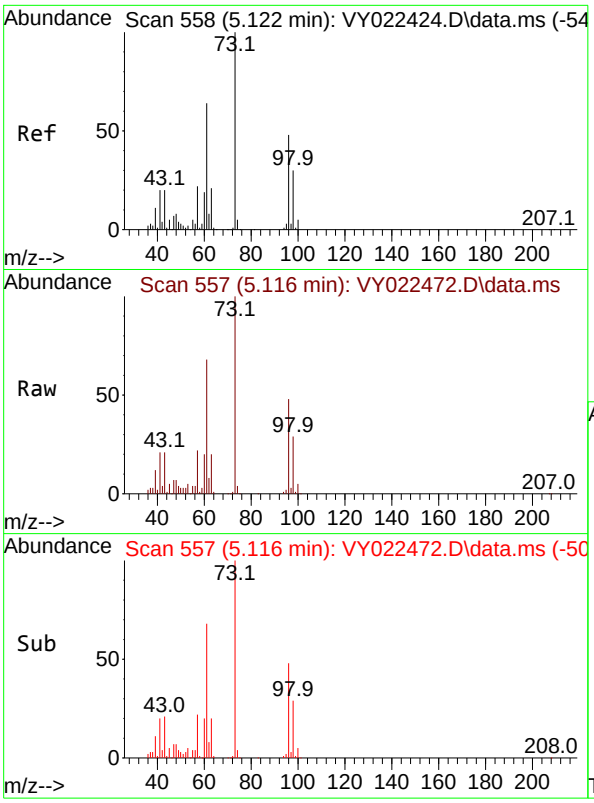


#18
Methyl Acetate
Concen: 53.473 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.012 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 43 Resp: 74480

Ion	Ratio	Lower	Upper
43	100		
74	24.9	21.2	31.8

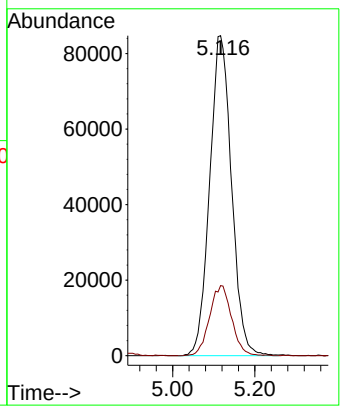




#19
Methyl tert-butyl Ether
Concen: 52.305 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 73 Resp: 31255

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.7	26.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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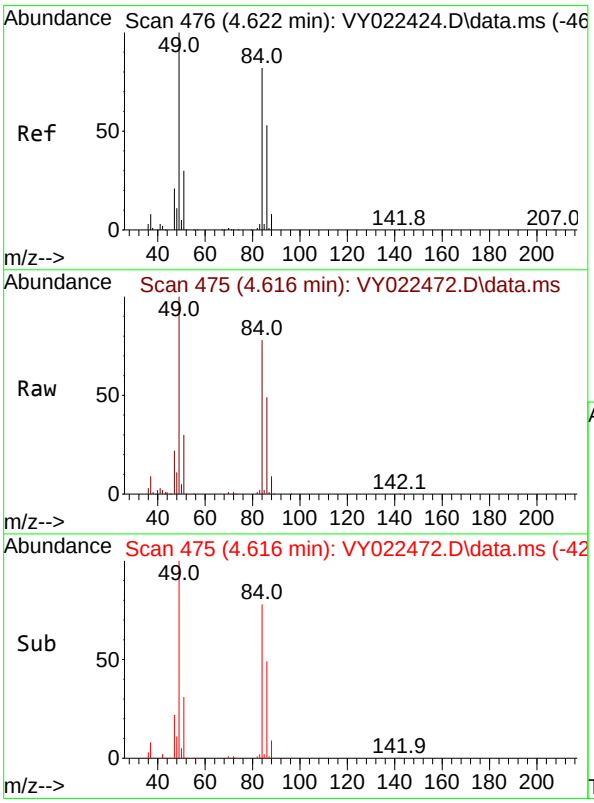
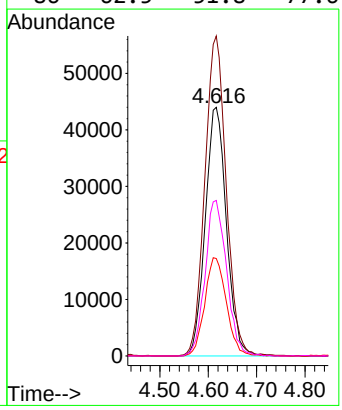
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

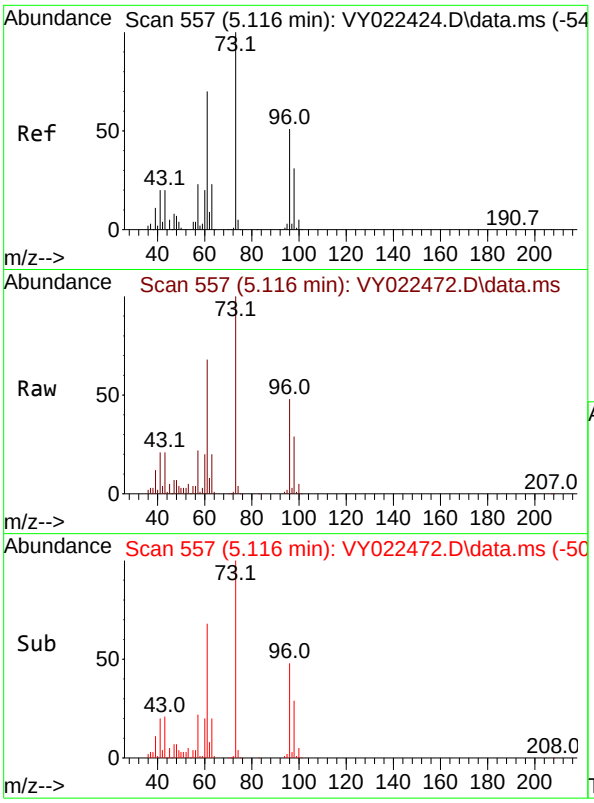


#20
Methylene Chloride
Concen: 51.033 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 84 Resp: 133998

Ion	Ratio	Lower	Upper
84	100		
49	128.7	97.8	146.8
51	39.2	29.5	44.3
86	62.5	51.8	77.6





#21
trans-1,2-Dichloroethene
Concen: 50.343 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 96 Resp: 12370

Ion	Ratio	Lower	Upper
96	100		
61	140.4	110.4	165.6
98	60.1	48.6	73.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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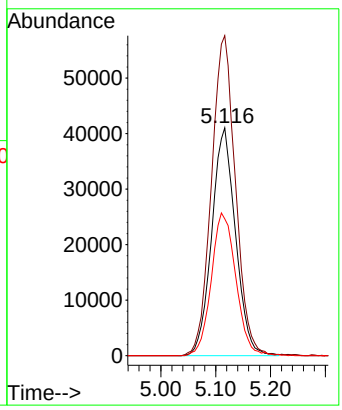
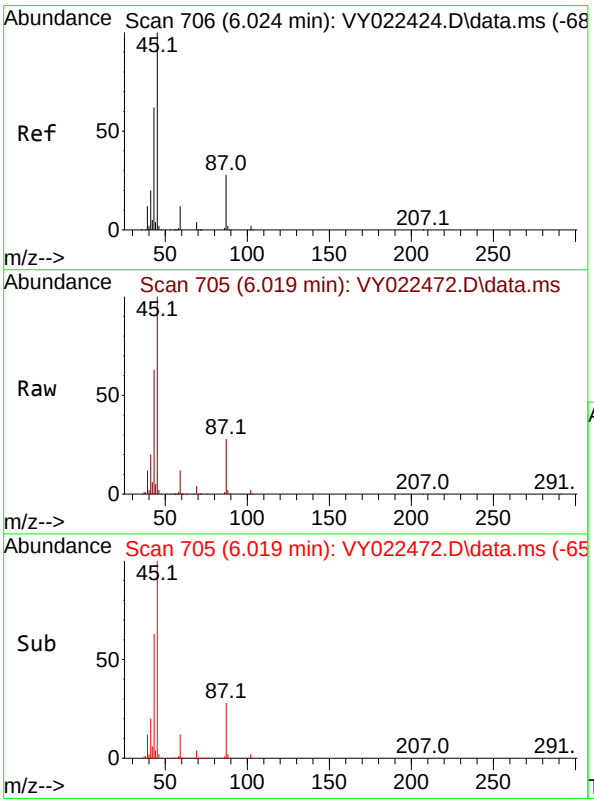
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

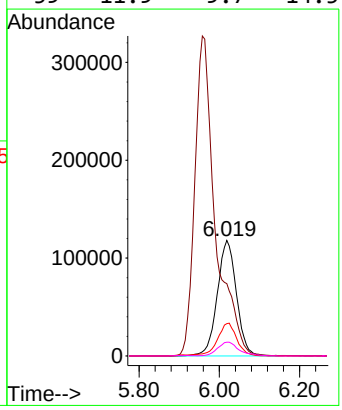


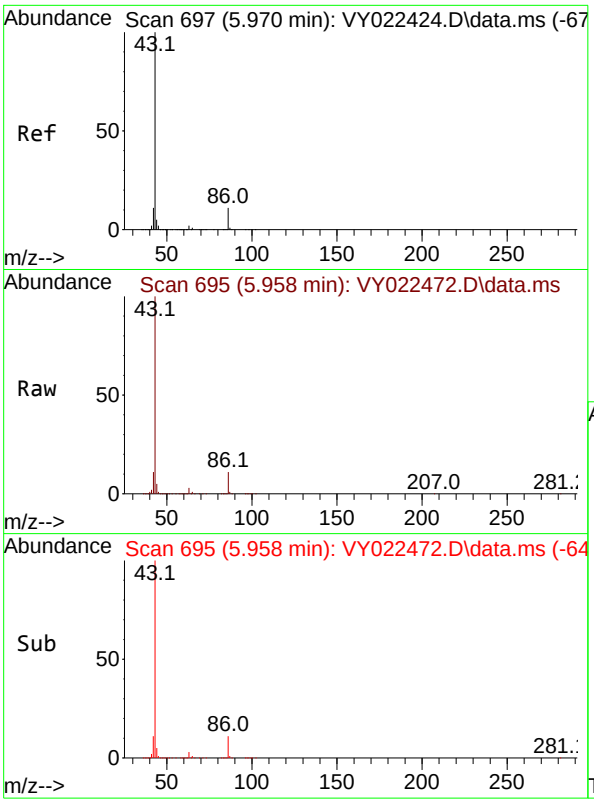


#22
Diisopropyl ether
Concen: 52.442 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 45 Resp: 391867

Ion	Ratio	Lower	Upper
45	100		
43	62.3	49.8	74.8
87	28.0	23.0	34.6
59	11.9	9.7	14.5





#23
Vinyl Acetate
Concen: 270.813 ug/l
RT: 5.958 min Scan# 6
Delta R.T. -0.012 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 43 Resp: 116193

Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.8	13.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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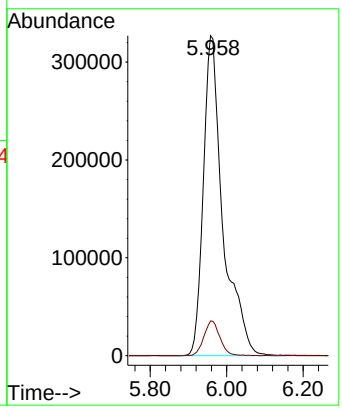
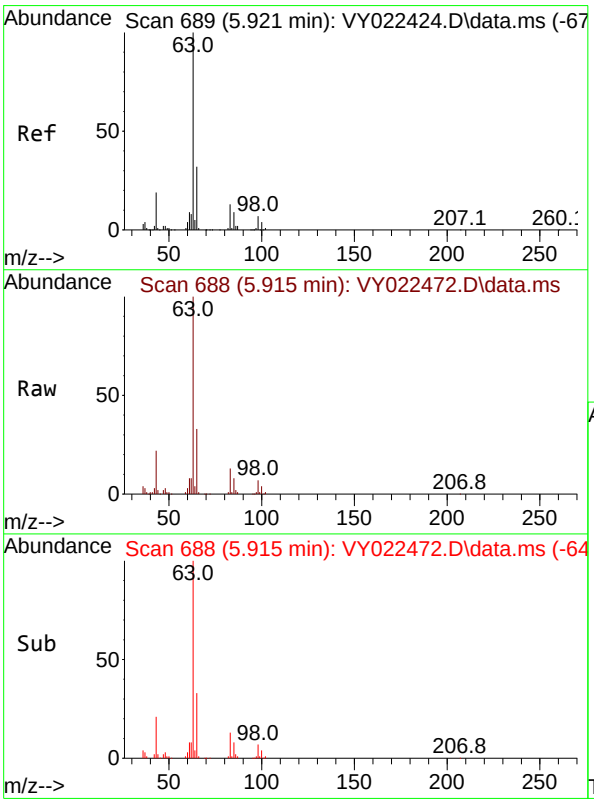
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

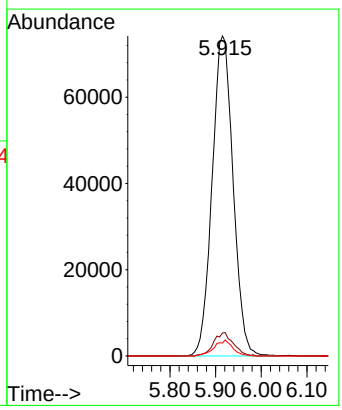


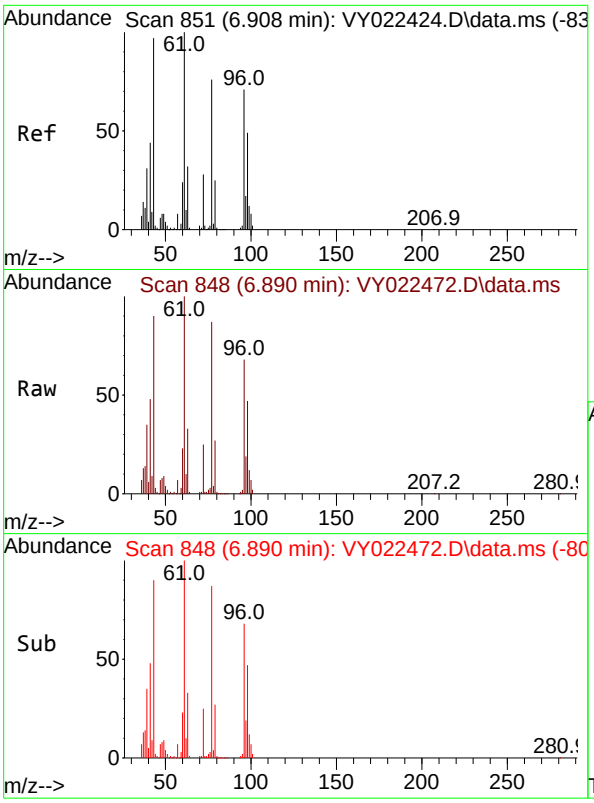


#24
1,1-Dichloroethane
Concen: 53.595 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.006 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 63 Resp: 236649

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.5	10.5
100	4.0	2.1	6.5





#25
2-Butanone
Concen: 306.209 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.018 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 43 Resp: 18962

Ion	Ratio	Lower	Upper
43	100		
72	27.5	22.8	34.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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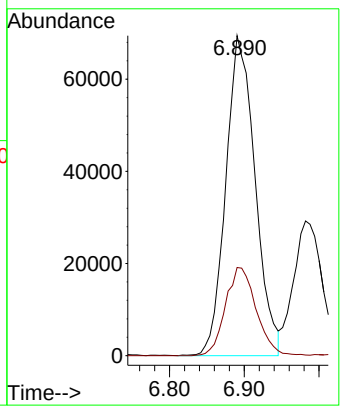
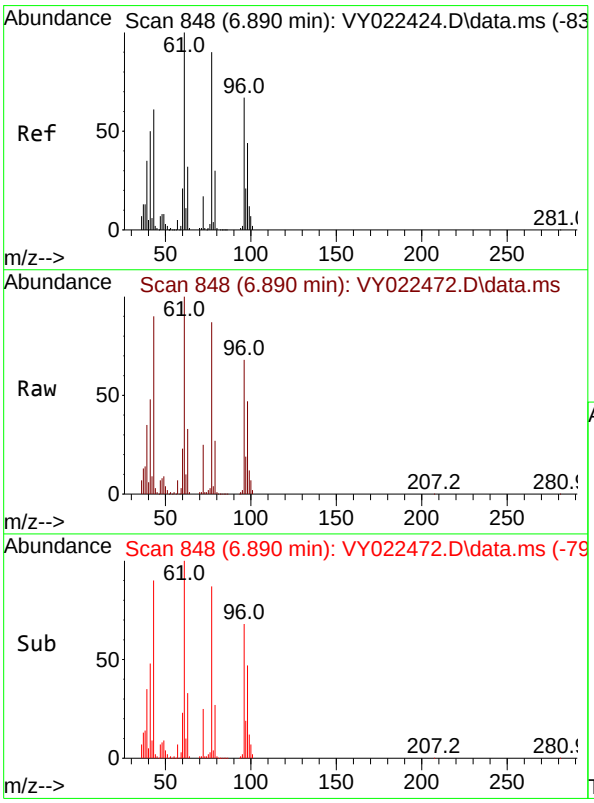
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

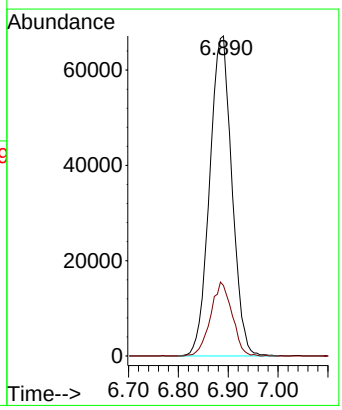


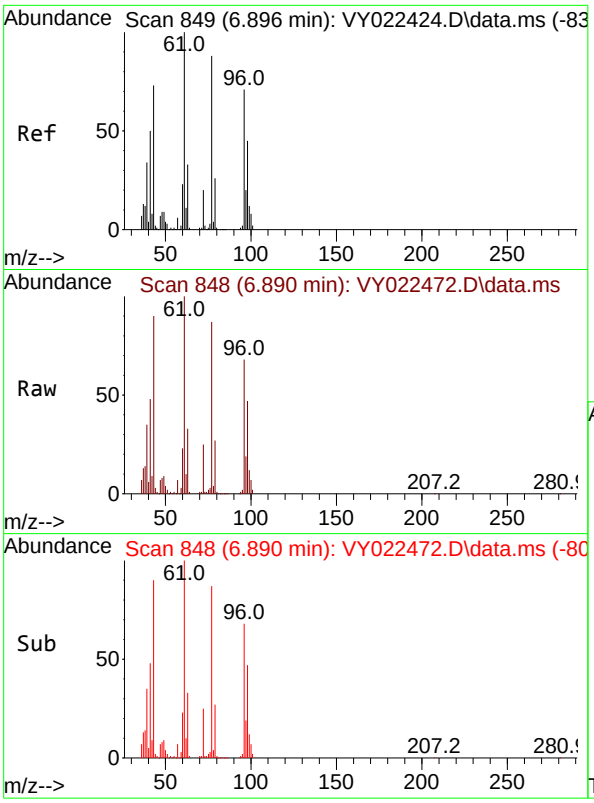


#26
2,2-Dichloropropane
Concen: 52.118 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 77 Resp: 208375

Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.6	34.7





#27
cis-1,2-Dichloroethene
Concen: 51.226 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

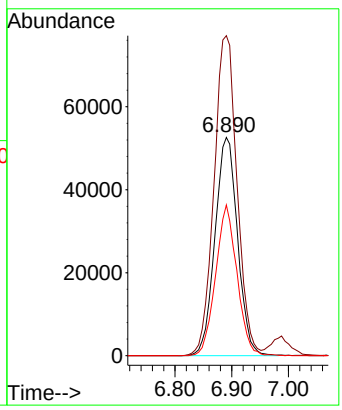
Tgt Ion: 96 Resp: 14571

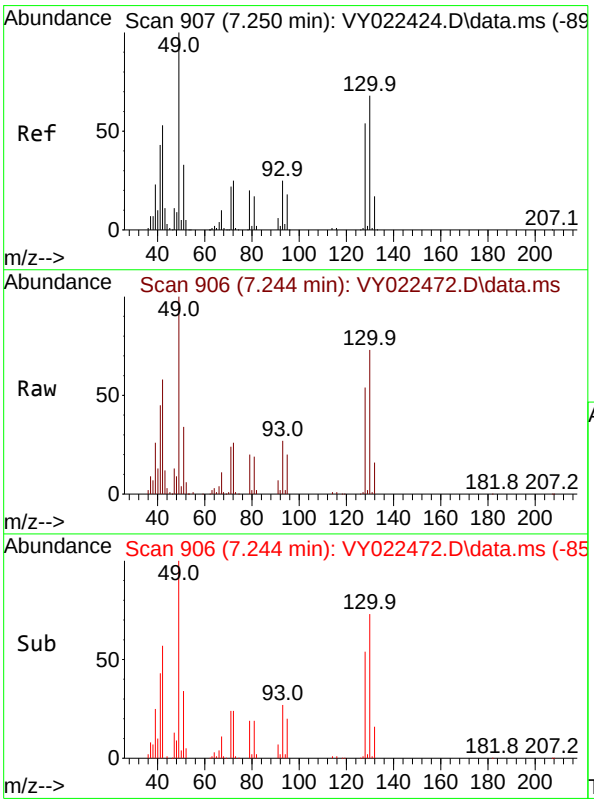
Ion	Ratio	Lower	Upper
96	100		
61	149.4	0.0	292.0
98	65.3	0.0	131.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

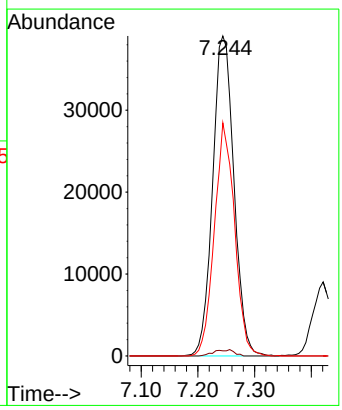


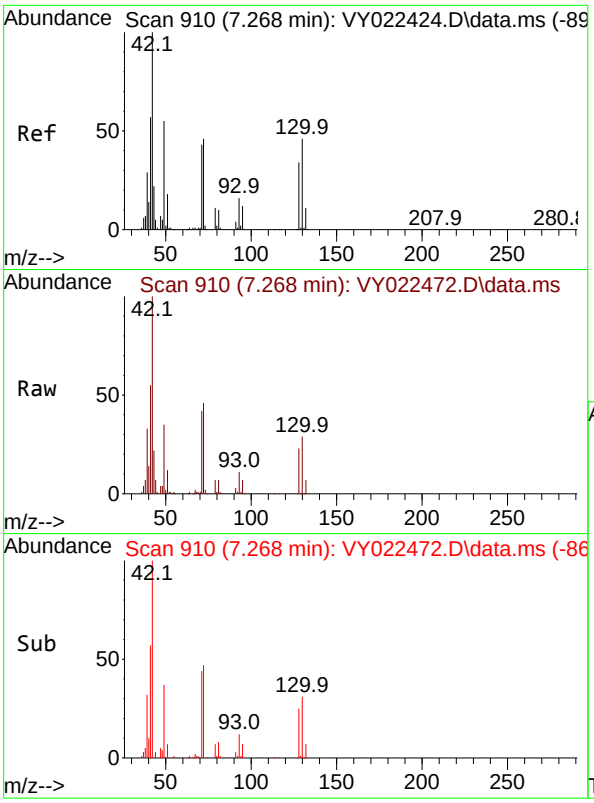


#28
Bromochloromethane
Concen: 55.243 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 49 Resp: 101857

Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.0
130	69.1	56.9	85.3





#29
Tetrahydrofuran
Concen: 272.968 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 42 Resp: 11273

Ion	Ratio	Lower	Upper
42	100		
72	46.4	37.7	56.5
71	42.7	34.7	52.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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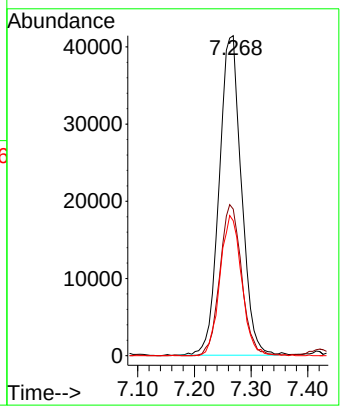
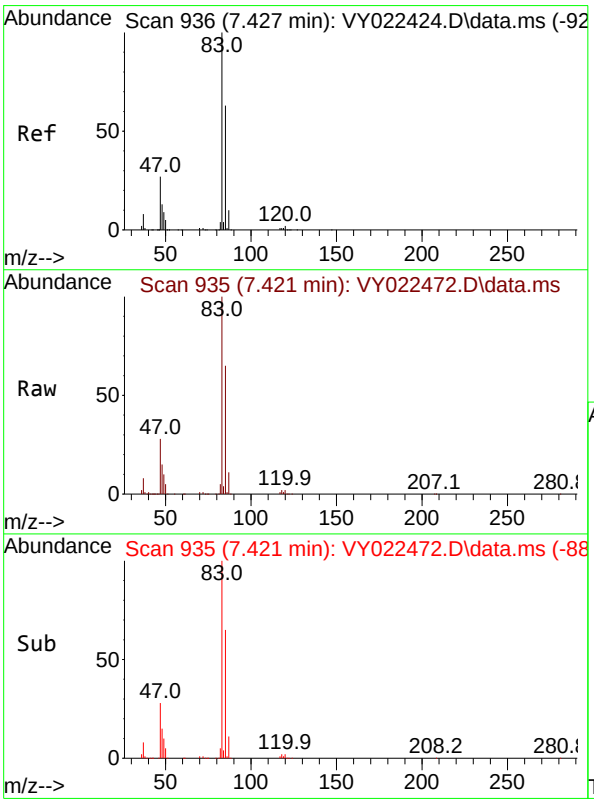
Supervised By :Mahesh Dadoda 06/02/2025

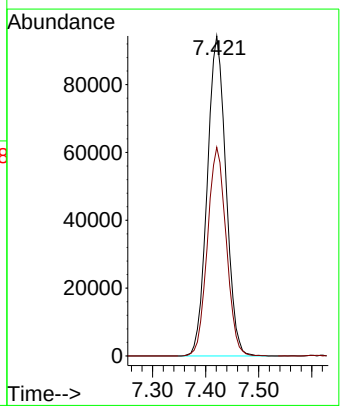


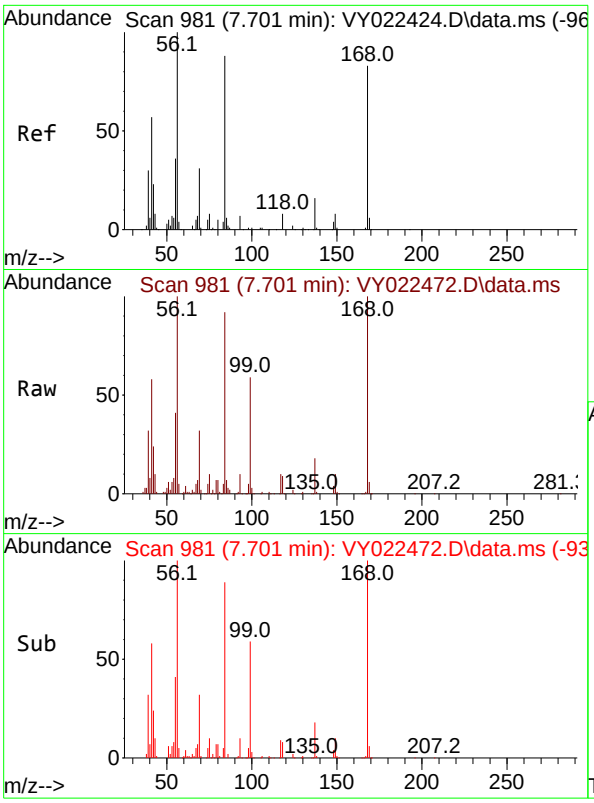


#30
Chloroform
Concen: 53.056 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.006 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 83 Resp: 230841

Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.1	75.1





#31
Cyclohexane
Concen: 48.596 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 56 Resp: 21151

Ion	Ratio	Lower	Upper
56	100		
69	31.8	24.6	36.8
84	89.8	70.4	105.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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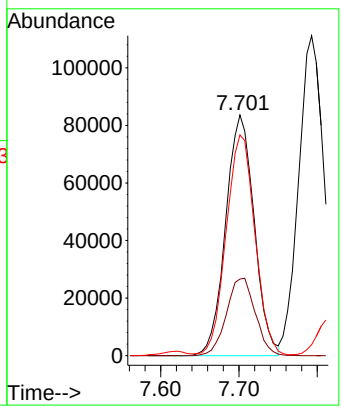
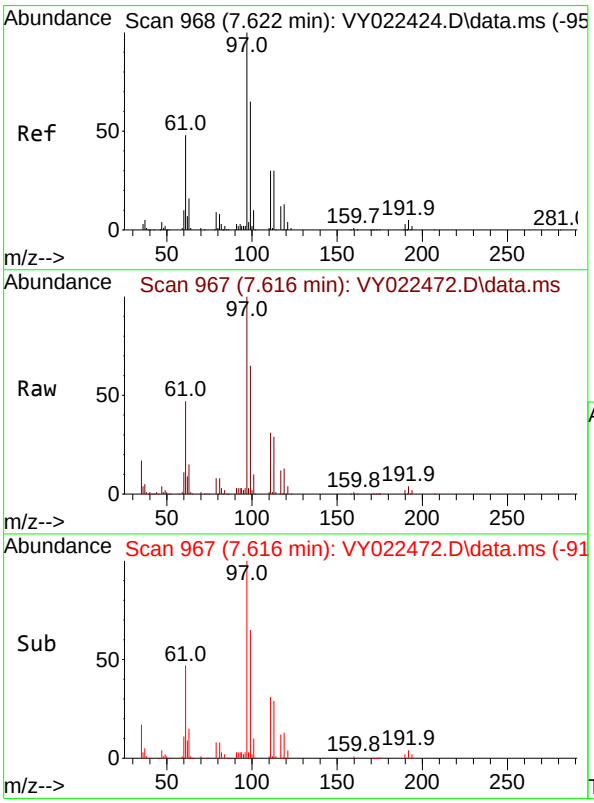
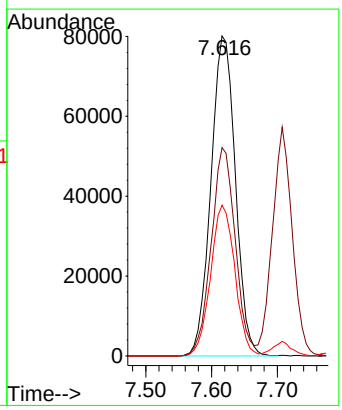


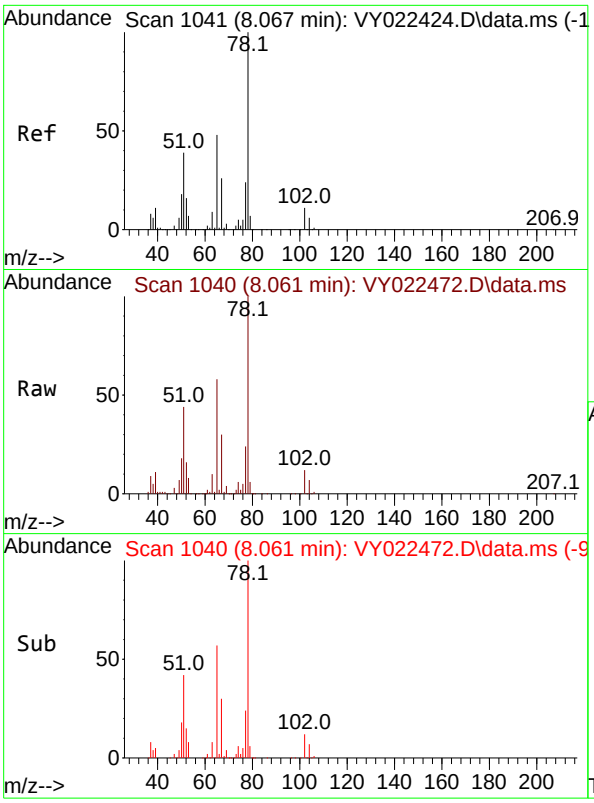


#32
1,1,1-Trichloroethane
Concen: 52.539 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 97 Resp: 207459

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.3	76.9
61	46.8	37.3	55.9





#33
1,2-Dichloroethane-d4
Concen: 54.271 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 65 Resp: 12280

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	104.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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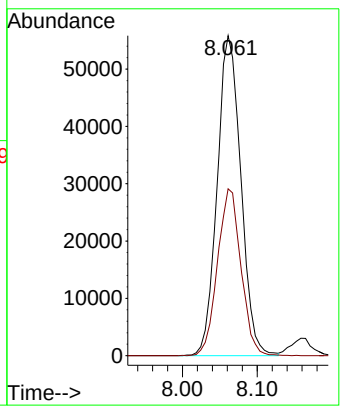
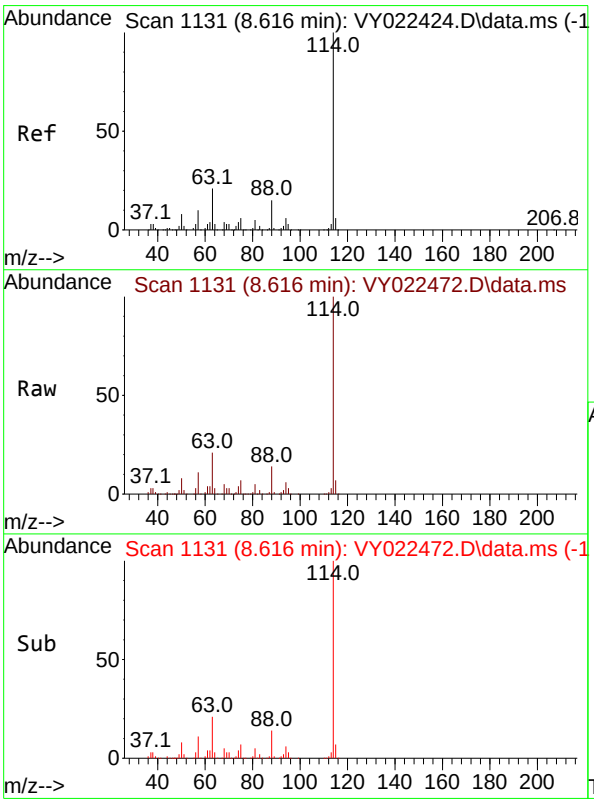
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

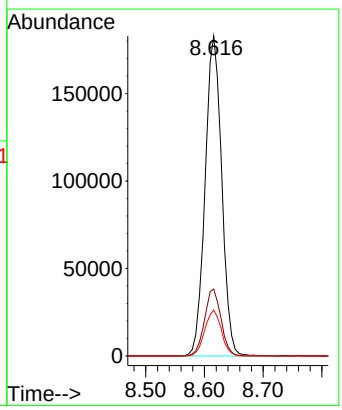


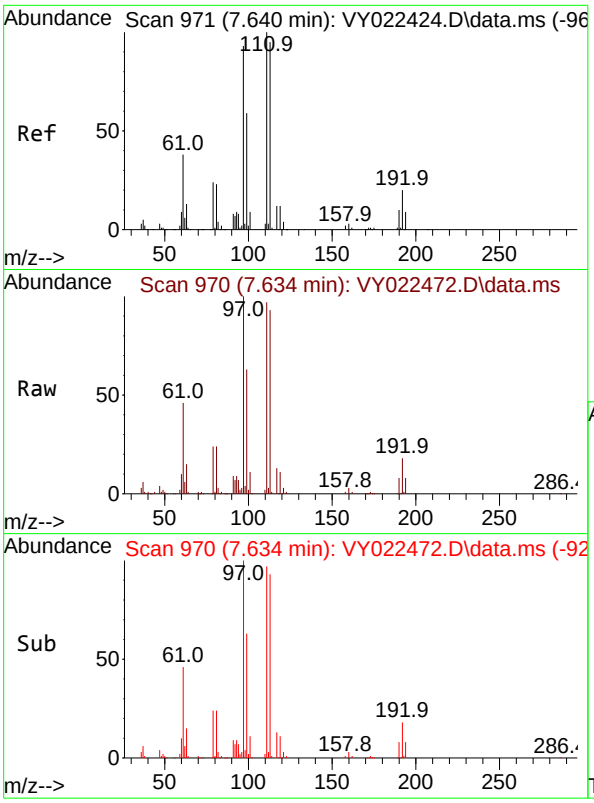


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion:114 Resp: 359018

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	42.6
88	14.4	0.0	29.4





#35
Dibromofluoromethane
Concen: 52.802 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion:113 Resp: 11101

Ion	Ratio	Lower	Upper
113	100		
111	105.9	82.4	123.6
192	18.7	15.2	22.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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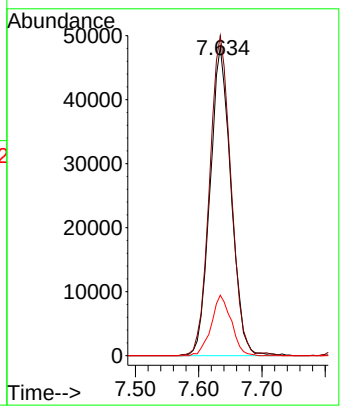
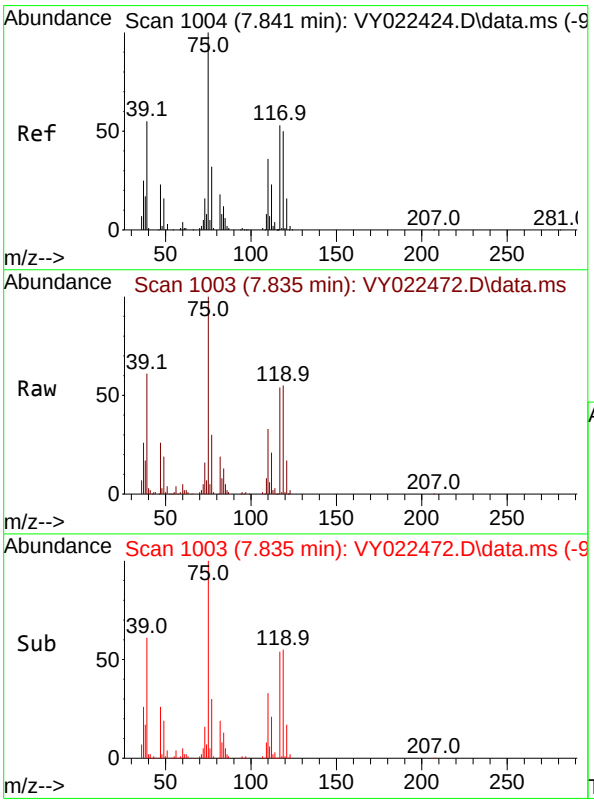
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

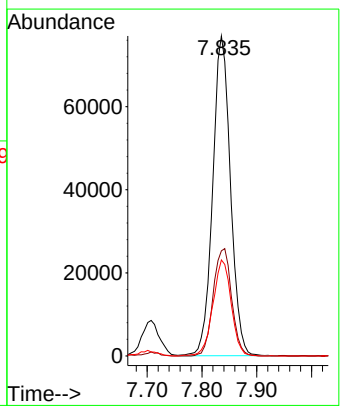


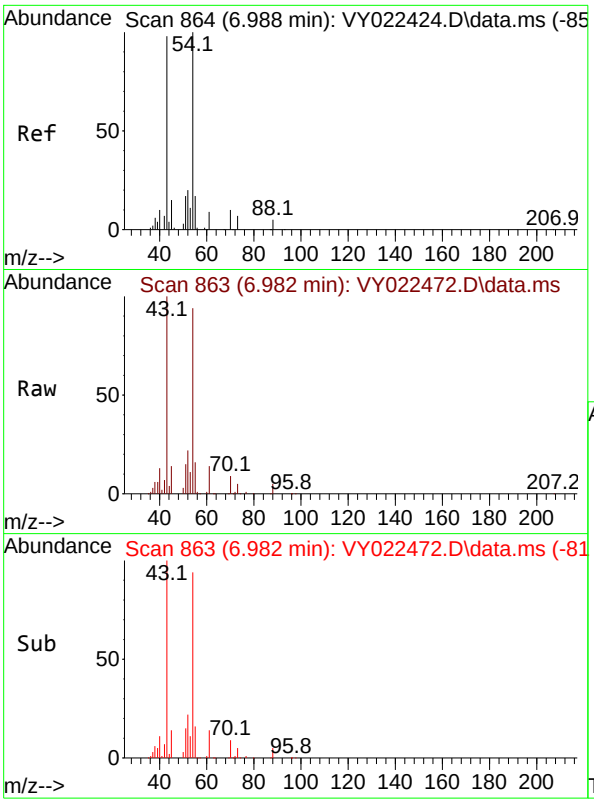


#36
1,1-Dichloropropene
Concen: 51.991 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.006 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 75 Resp: 173461

Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.1	51.2
77	30.8	25.1	37.7





#37
Ethyl Acetate
Concen: 56.957 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 43 Resp: 8075

Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.7	17.5
70	9.3	7.8	11.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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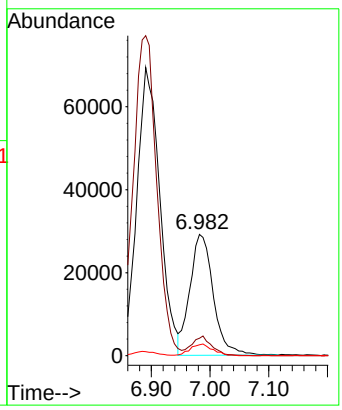
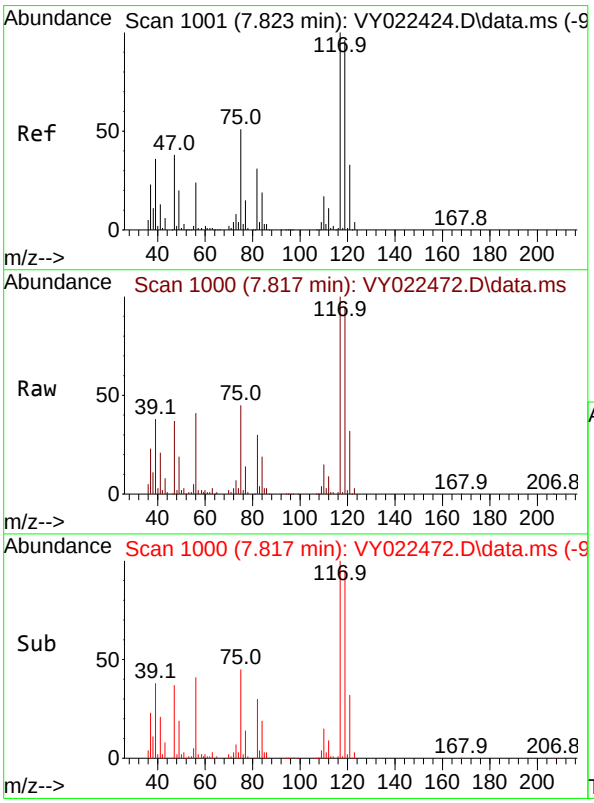
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

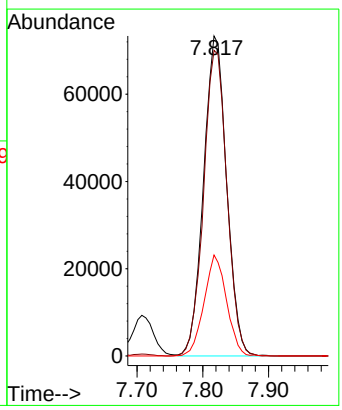


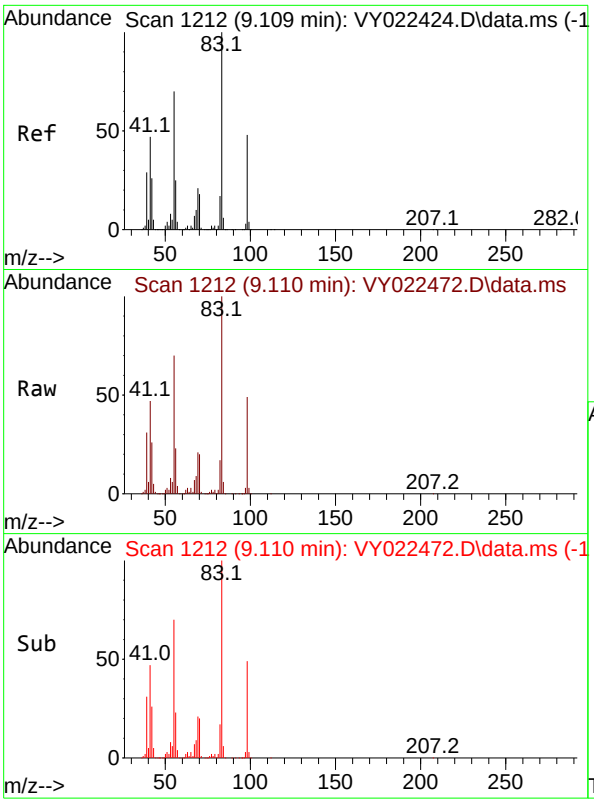


#38
Carbon Tetrachloride
Concen: 51.575 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion:117 Resp: 179250

Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.3	114.5
121	31.6	26.1	39.1





#39
Methylcyclohexane
Concen: 51.401 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 83 Resp: 22795

Ion	Ratio	Lower	Upper
83	100		
55	69.7	56.2	84.2
98	48.5	38.4	57.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 06/02/2025
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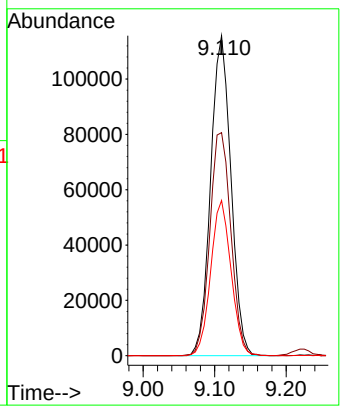
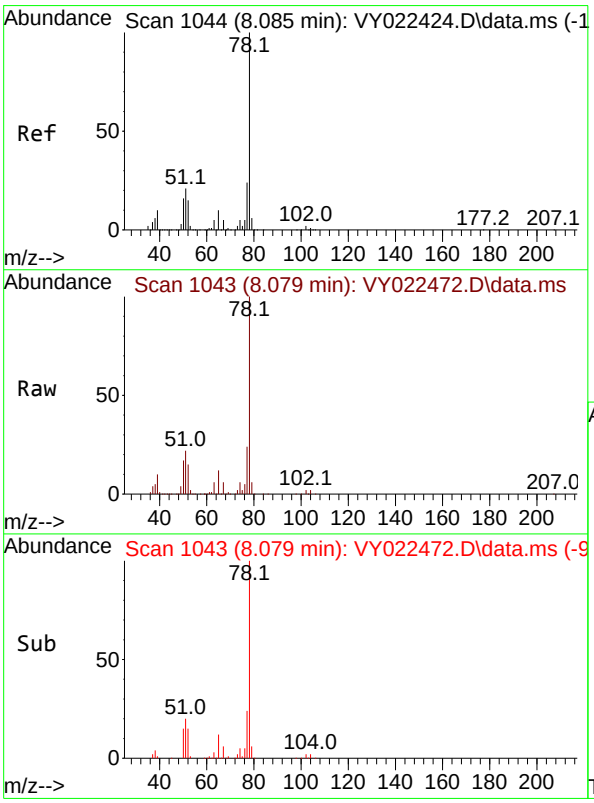
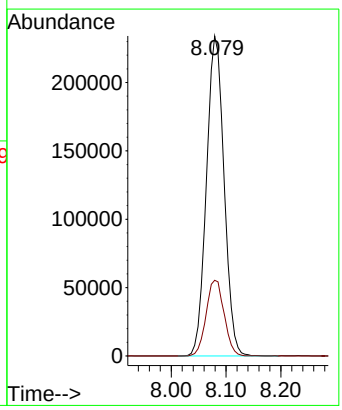


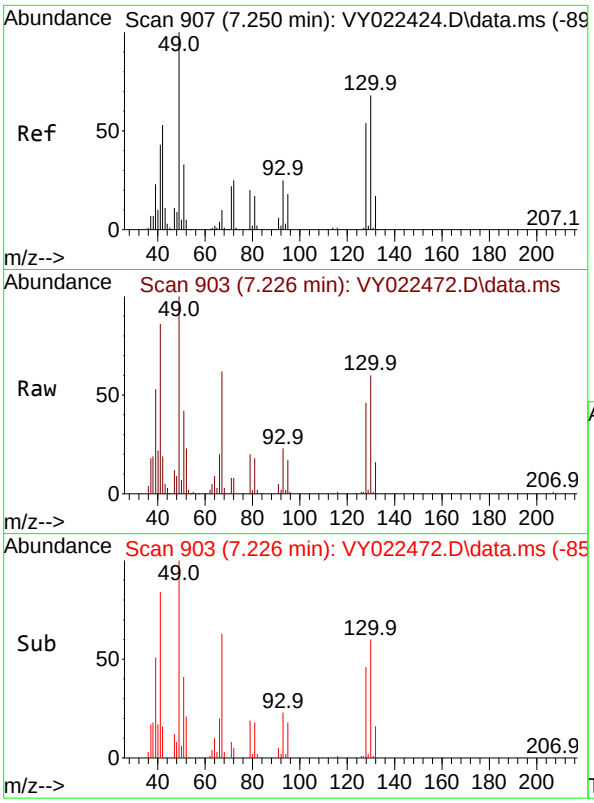


#40
Benzene
Concen: 52.505 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 78 Resp: 521250

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.4	29.2

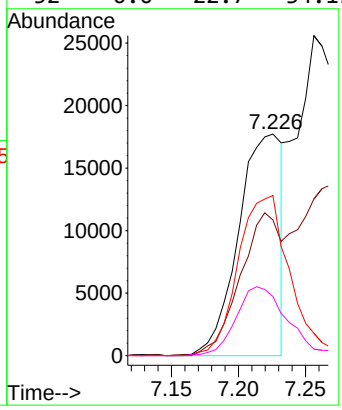




#41
Methacrylonitrile
Concen: 46.717 ug/l m
RT: 7.226 min Scan# 9
Delta R.T. -0.024 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 41 Resp: 4020

Ion	Ratio	Lower	Upper
41	100		
39	74.9	40.4	60.6#
67	0.0	53.0	79.4#
52	0.0	22.7	34.1#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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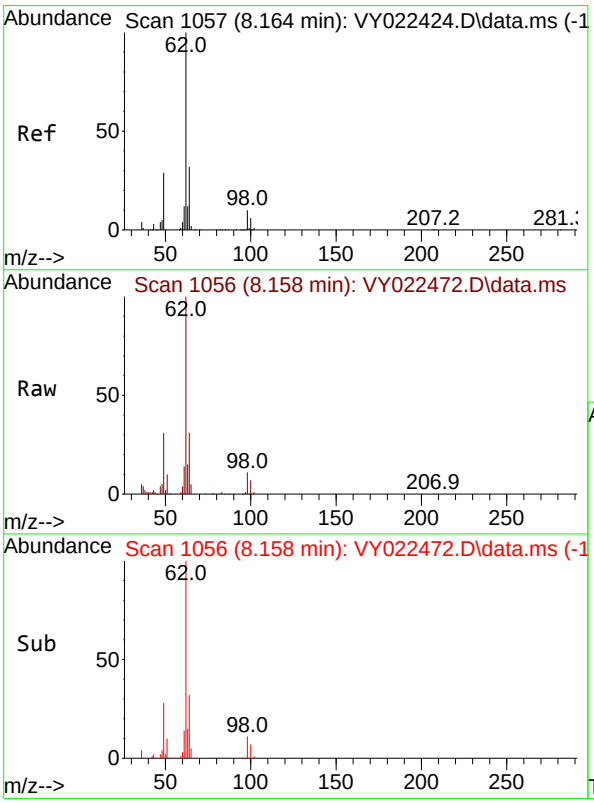
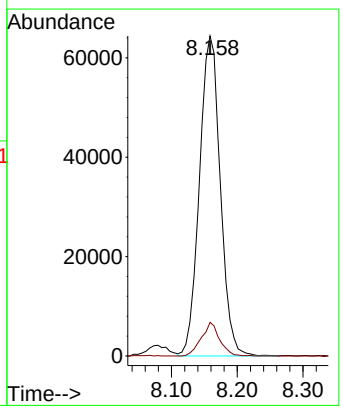
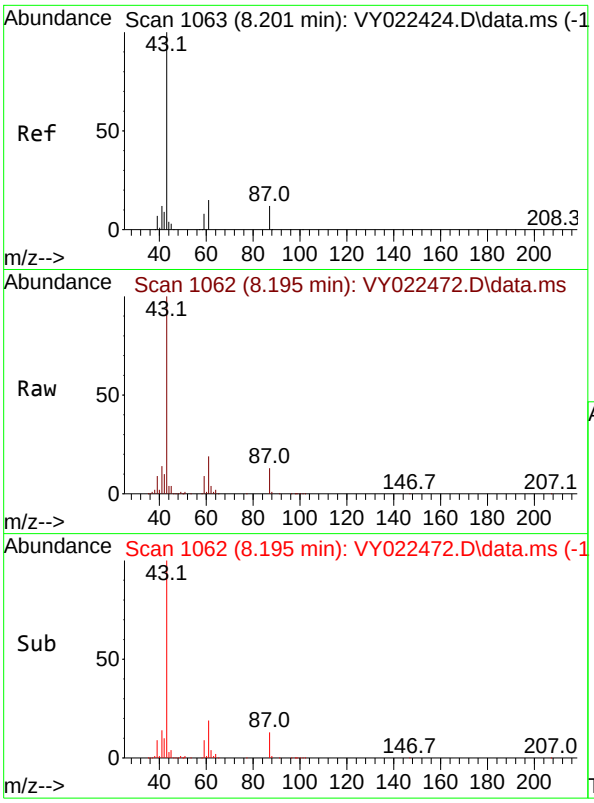


#42
1,2-Dichloroethane
Concen: 54.198 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 62 Resp: 142105

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4





#43
Isopropyl Acetate
Concen: 54.741 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 43 Resp: 16960

Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.4	23.0
87	13.2	10.6	15.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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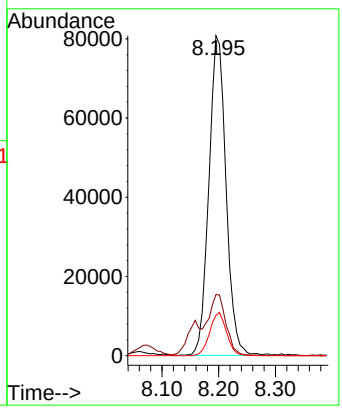
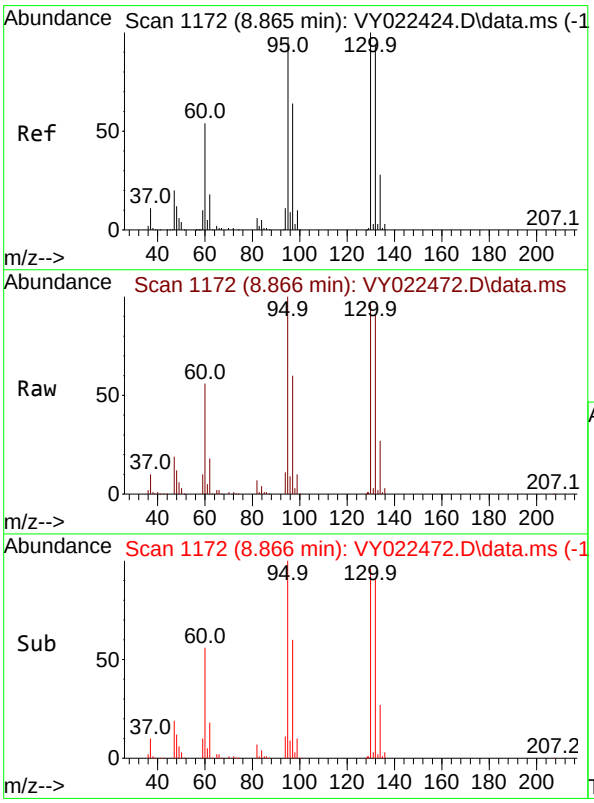
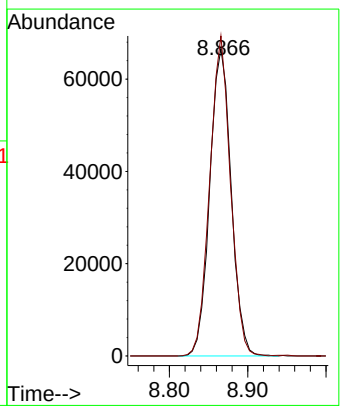


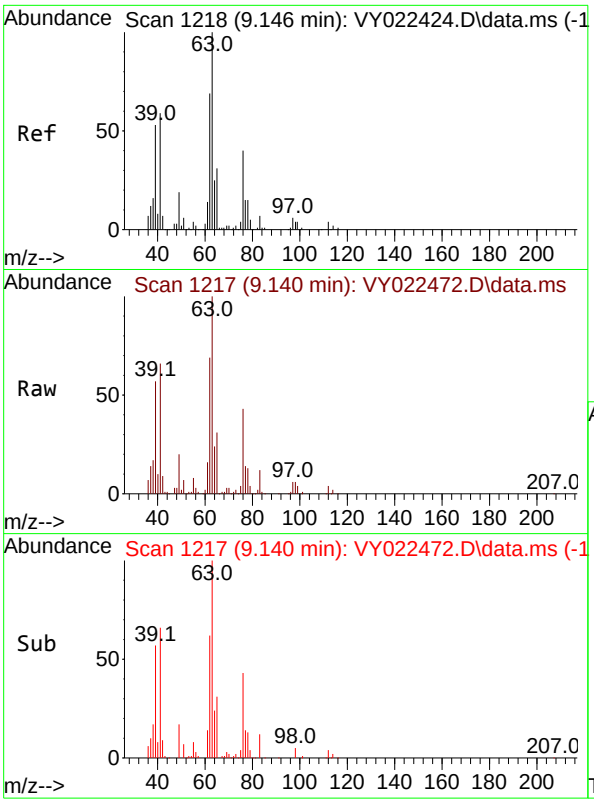


#44
Trichloroethene
Concen: 51.388 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion:130 Resp: 126115

Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	194.8





#45
1,2-Dichloropropane
Concen: 53.028 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 63 Resp: 12368

Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.1	37.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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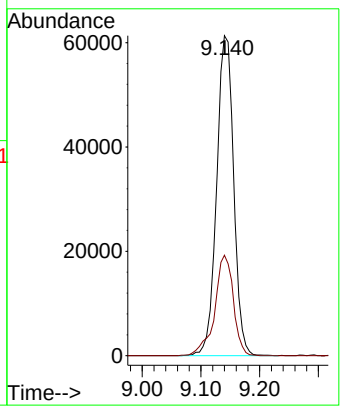
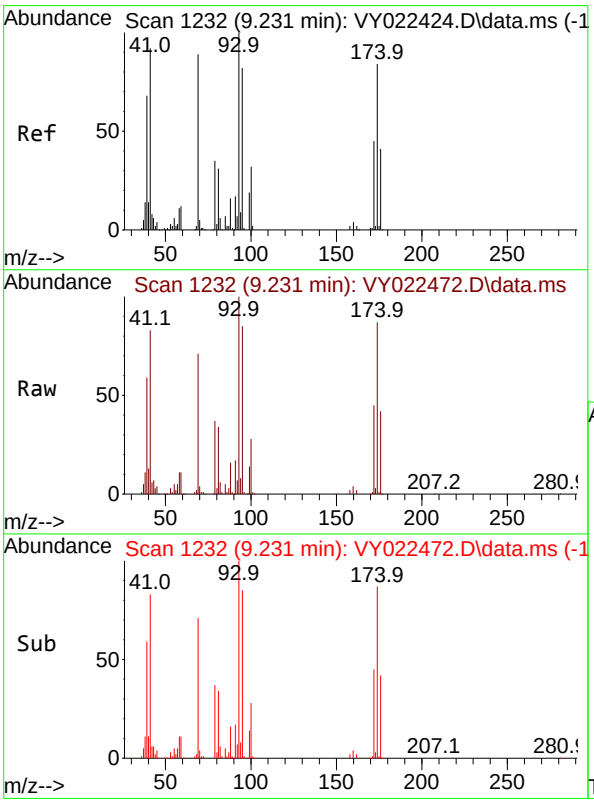
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

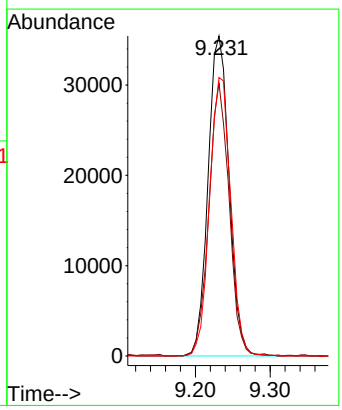


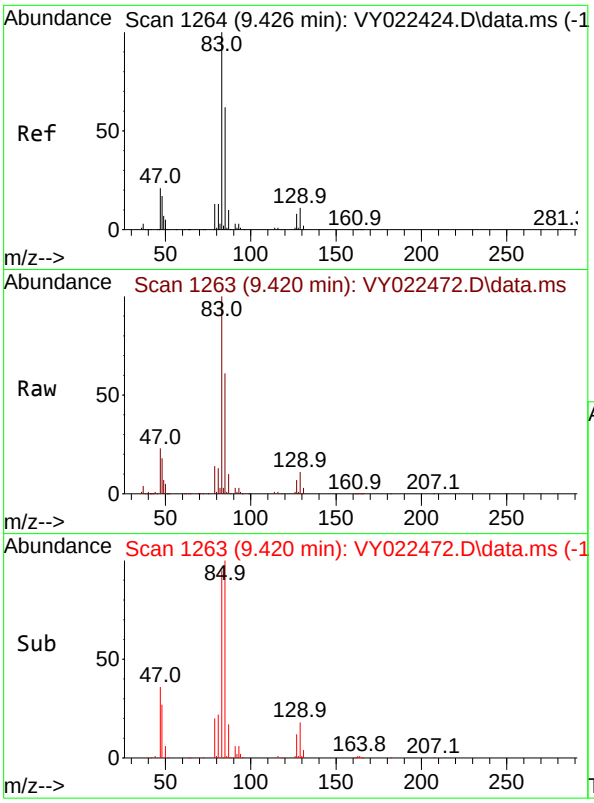


#46
Dibromomethane
Concen: 53.273 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 93 Resp: 69415

Ion	Ratio	Lower	Upper
93	100		
95	82.1	66.2	99.2
174	87.8	71.1	106.7

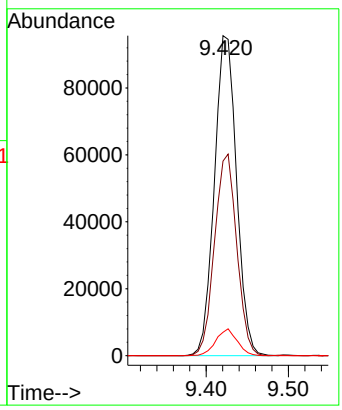




#47
Bromodichloromethane
Concen: 53.501 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 83 Resp: 17926

Ion	Ratio	Lower	Upper
83	100		
85	60.8	49.8	74.6
127	7.3	6.6	9.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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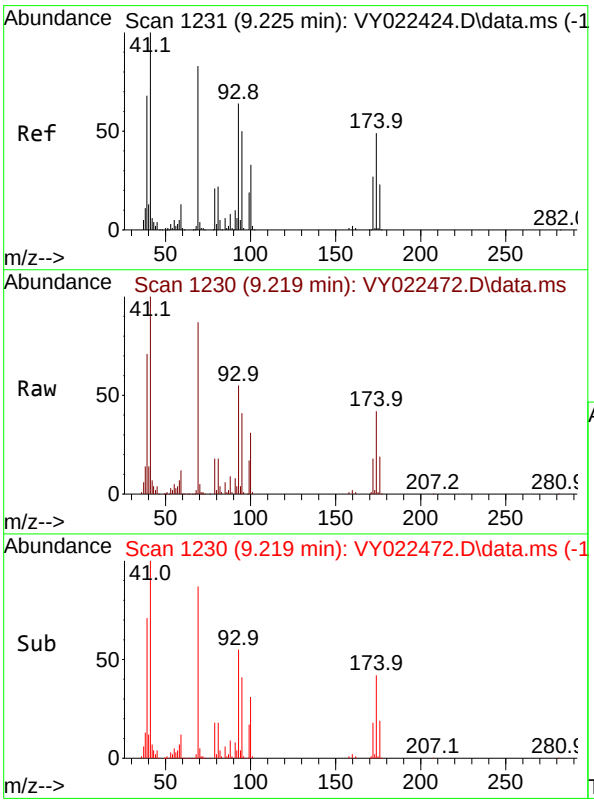
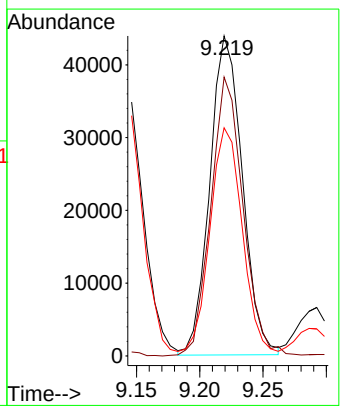
Supervised By :Mahesh Dadoda 06/02/2025

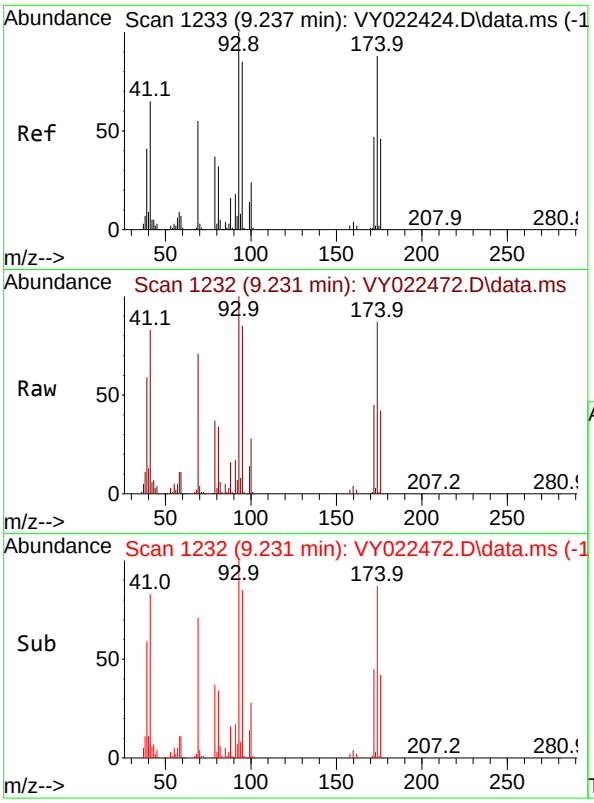


#48
Methyl methacrylate
Concen: 54.537 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.006 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 41 Resp: 78438

Ion	Ratio	Lower	Upper
41	100		
69	86.6	70.3	105.5
39	69.1	55.4	83.0





#49
1,4-Dioxane
Concen: 1057.597 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 88 Resp: 1522

Ion	Ratio	Lower	Upper
88	100		
43	31.7	26.9	40.3
58	74.5	55.8	83.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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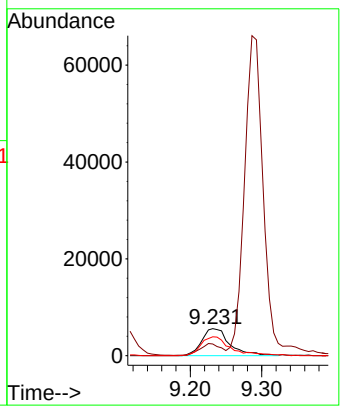
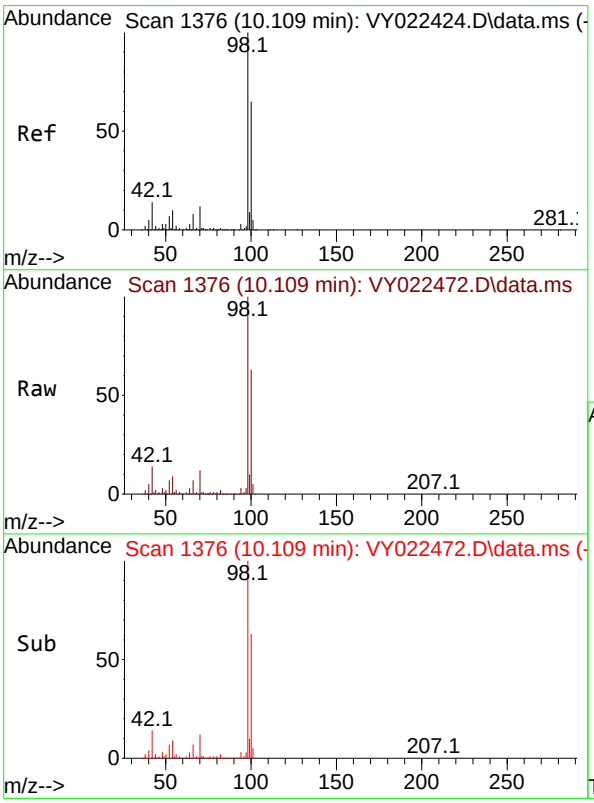
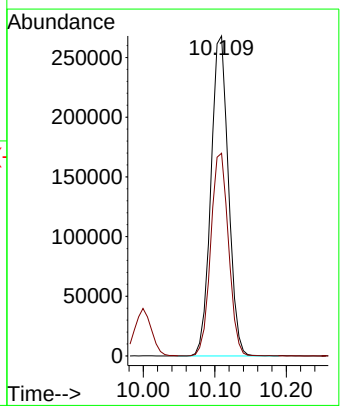


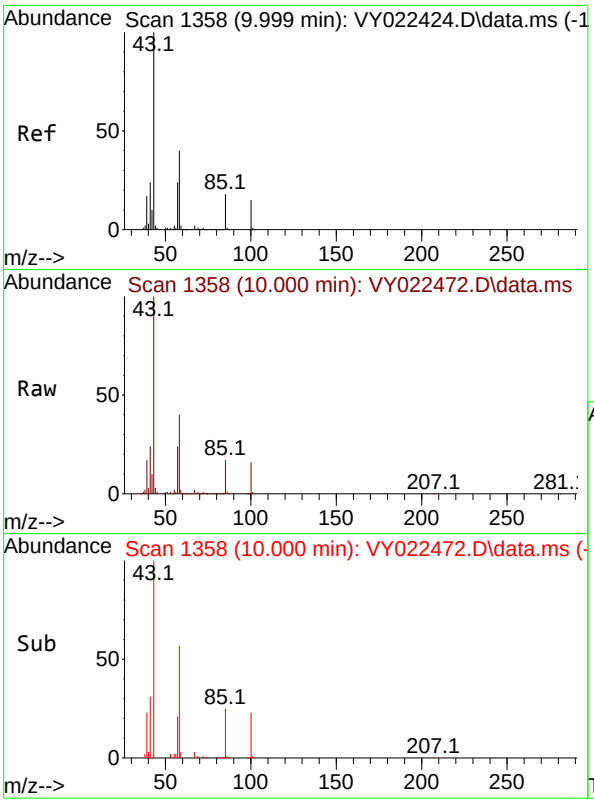


#50
Toluene-d8
Concen: 52.995 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 98 Resp: 454223

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.2	78.2

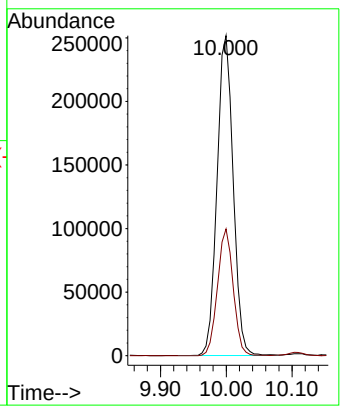




#51
4-Methyl-2-Pentanone
Concen: 281.130 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 43 Resp: 42977

Ion	Ratio	Lower	Upper
43	100		
58	38.5	31.2	46.8



Instrument :
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ClientSampleId :
VSTDCCC050

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Reviewed By :John Carlone 06/02/2025
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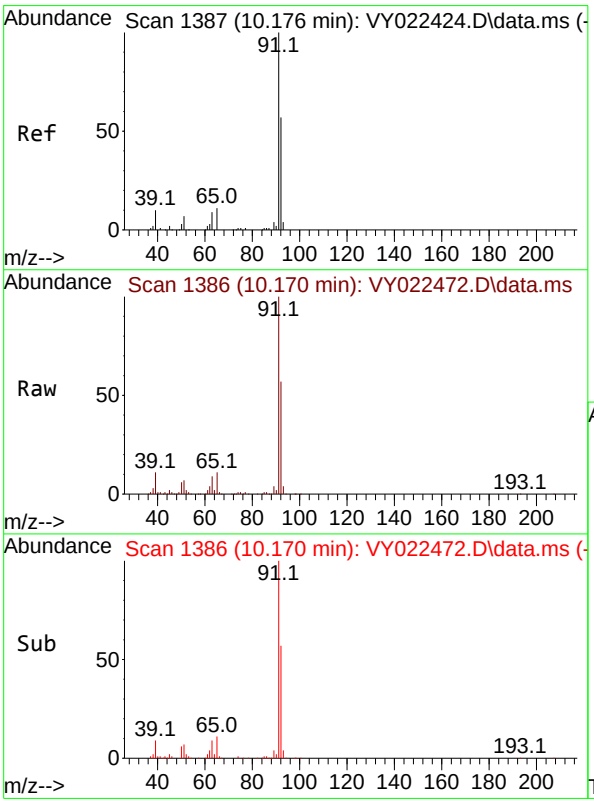
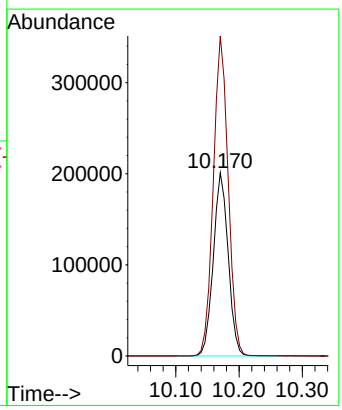
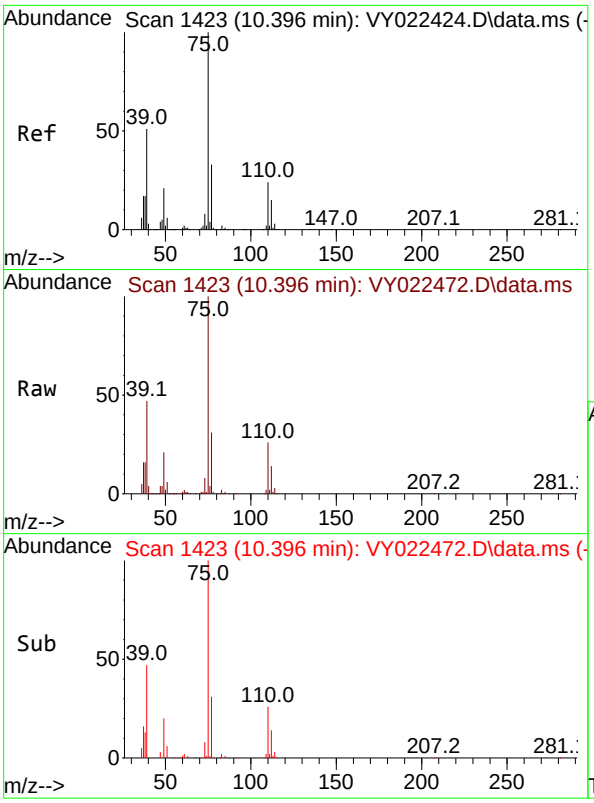


#52
Toluene
Concen: 52.723 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 92 Resp: 326922

Ion	Ratio	Lower	Upper
92	100		
91	174.8	139.8	209.6

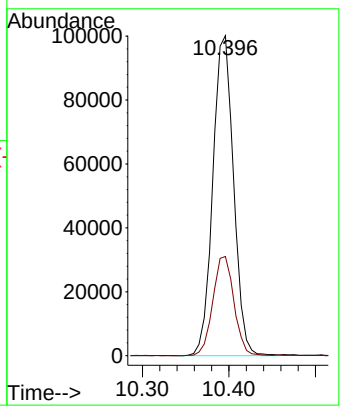




#53
t-1,3-Dichloropropene
Concen: 53.288 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 75 Resp: 16631

Ion	Ratio	Lower	Upper
75	100		
77	31.0	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
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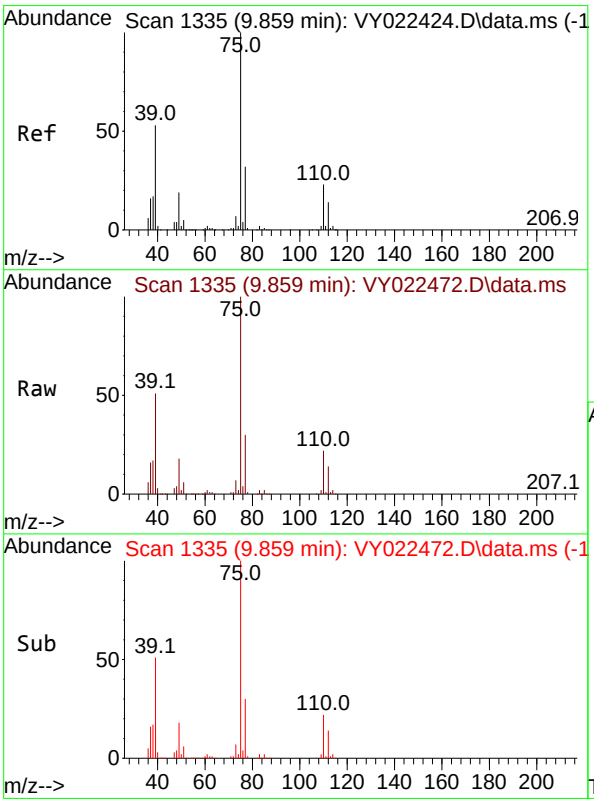
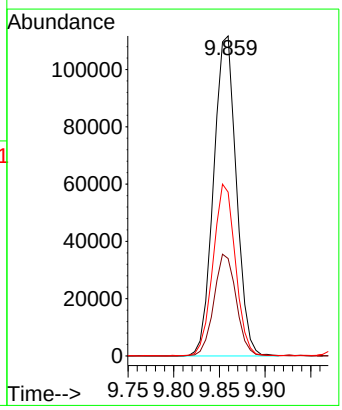
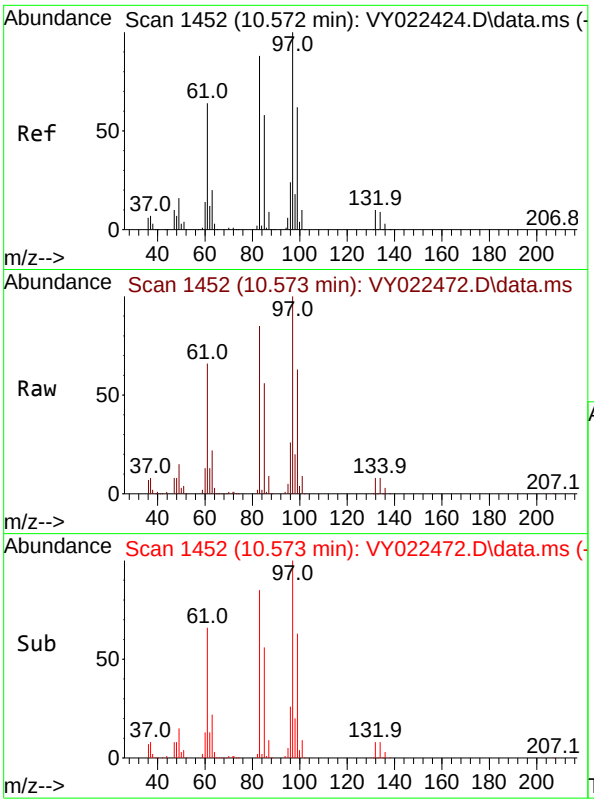


#54
cis-1,3-Dichloropropene
Concen: 52.773 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 75 Resp: 193537

Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.4	38.2
39	51.1	42.5	63.7

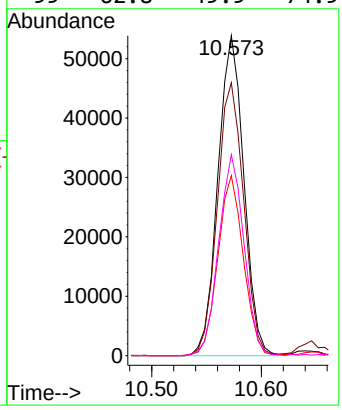




#55
1,1,2-Trichloroethane
Concen: 53.769 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 97 Resp: 8858

Ion	Ratio	Lower	Upper
97	100		
83	85.3	70.2	105.4
85	56.3	46.1	69.1
99	62.8	49.9	74.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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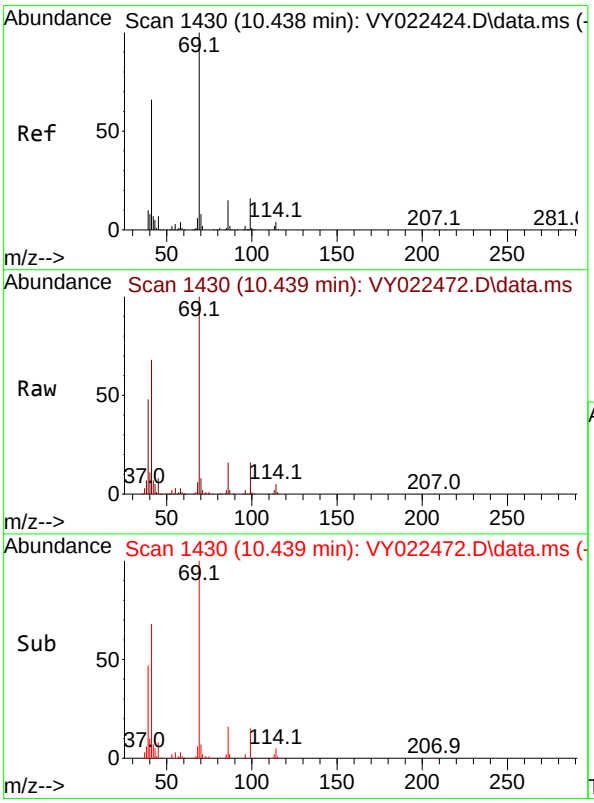
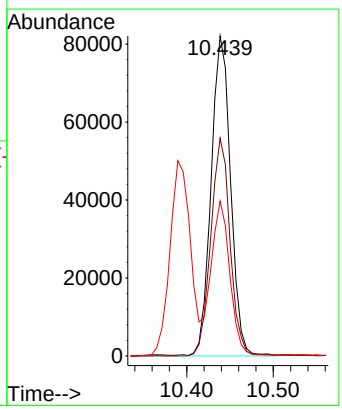
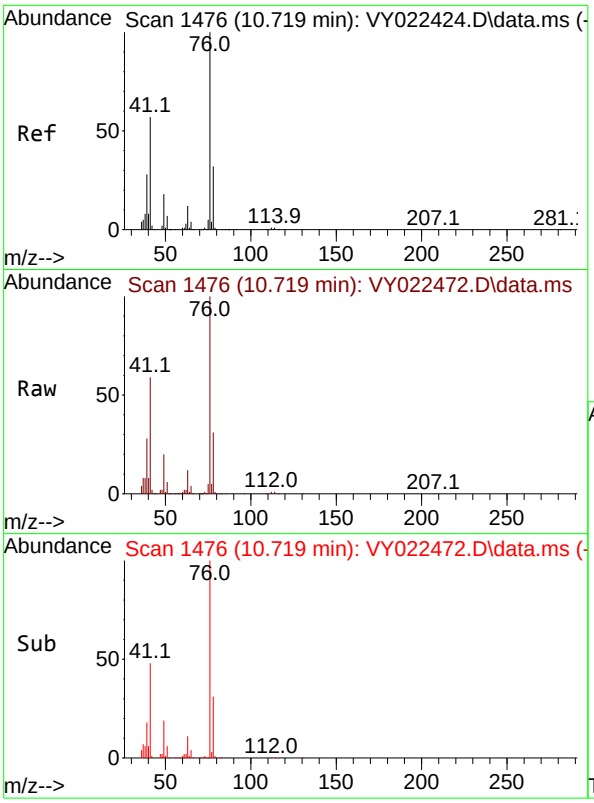


#56
Ethyl methacrylate
Concen: 54.268 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 69 Resp: 128298

Ion	Ratio	Lower	Upper
69	100		
41	66.5	51.2	76.8
39	47.0	35.2	52.8





#57
1,3-Dichloropropane
Concen: 53.738 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 76 Resp: 15601

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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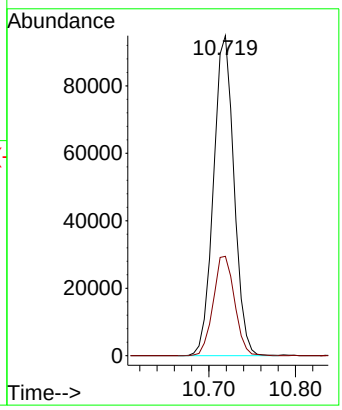
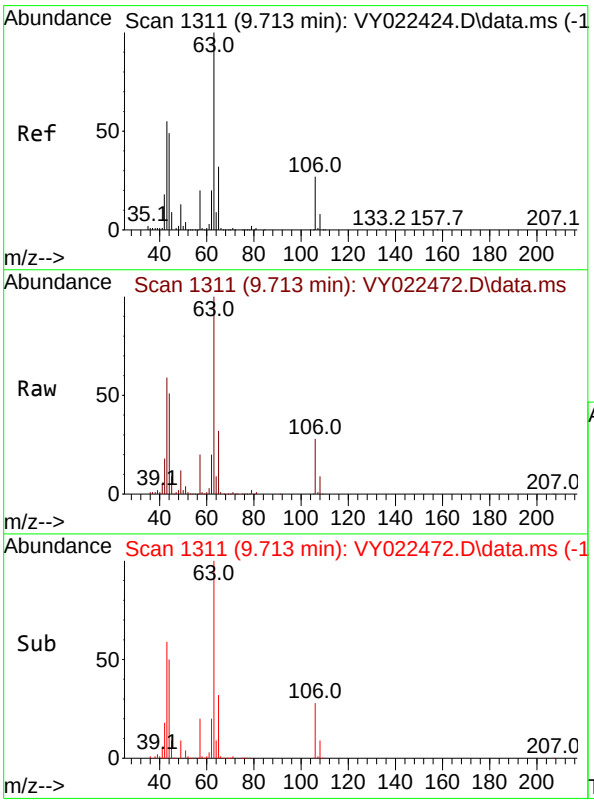
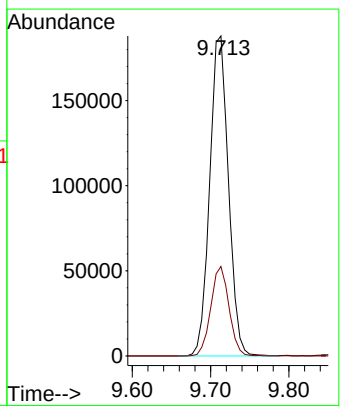


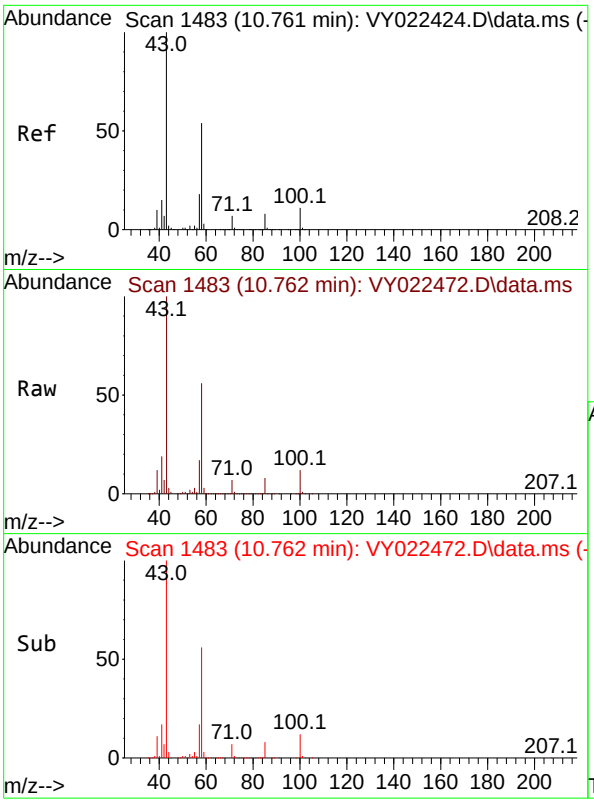


#58
2-Chloroethyl Vinyl ether
Concen: 265.353 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 63 Resp: 312651

Ion	Ratio	Lower	Upper
63	100		
106	27.1	22.2	33.2





#59
2-Hexanone
Concen: 299.896 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 43 Resp: 30045

Ion	Ratio	Lower	Upper
43	100		
58	55.4	27.1	81.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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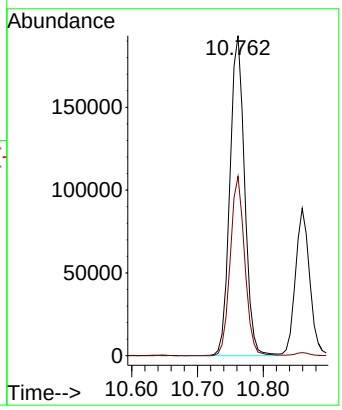
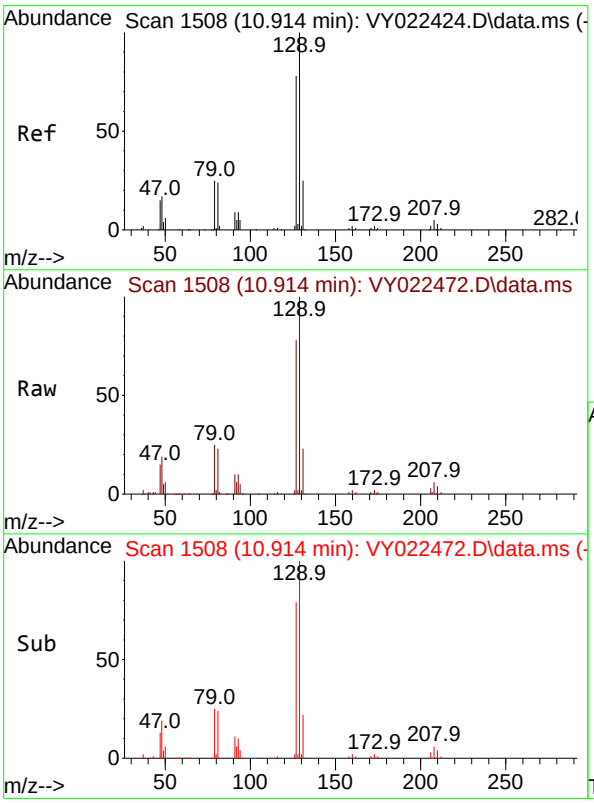
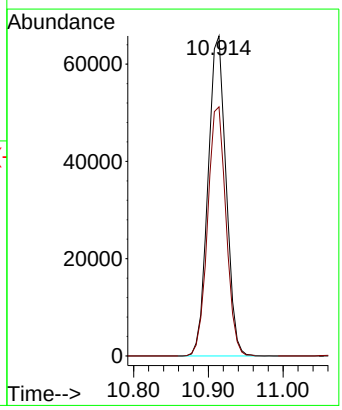


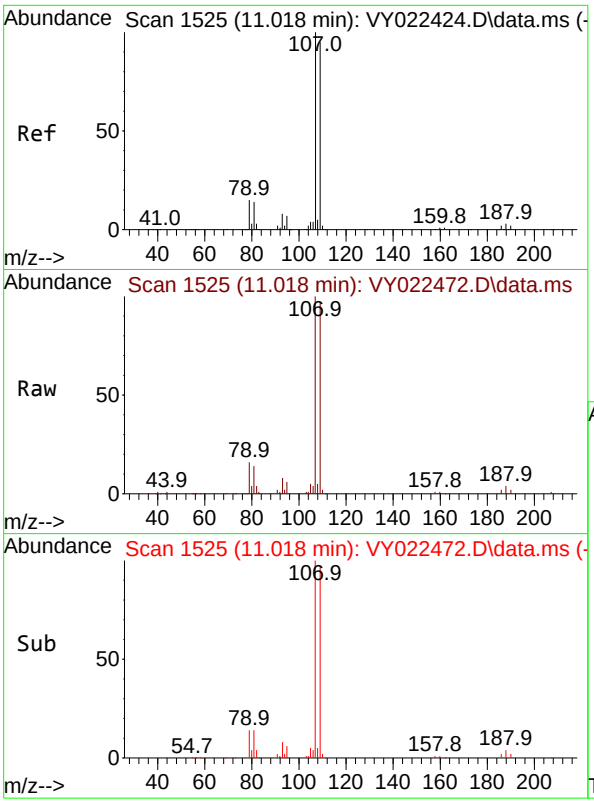


#60
Dibromochloromethane
Concen: 52.350 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion:129 Resp: 110167

Ion	Ratio	Lower	Upper
129	100		
127	79.4	38.3	114.8





#61
1,2-Dibromoethane
Concen: 53.202 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion:107 Resp: 8016

Ion	Ratio	Lower	Upper
107	100		
109	94.7	74.0	111.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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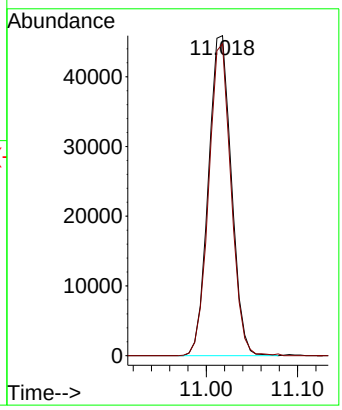
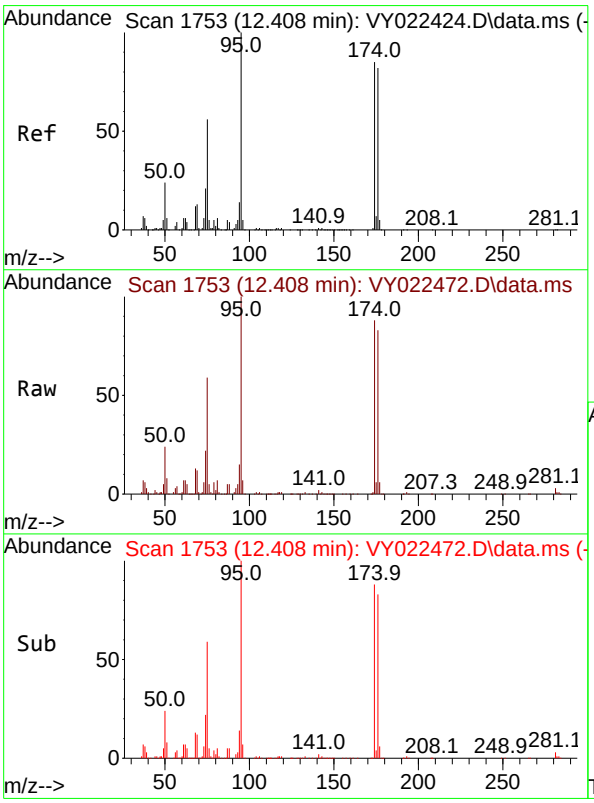
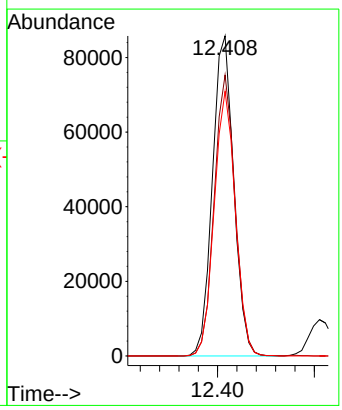


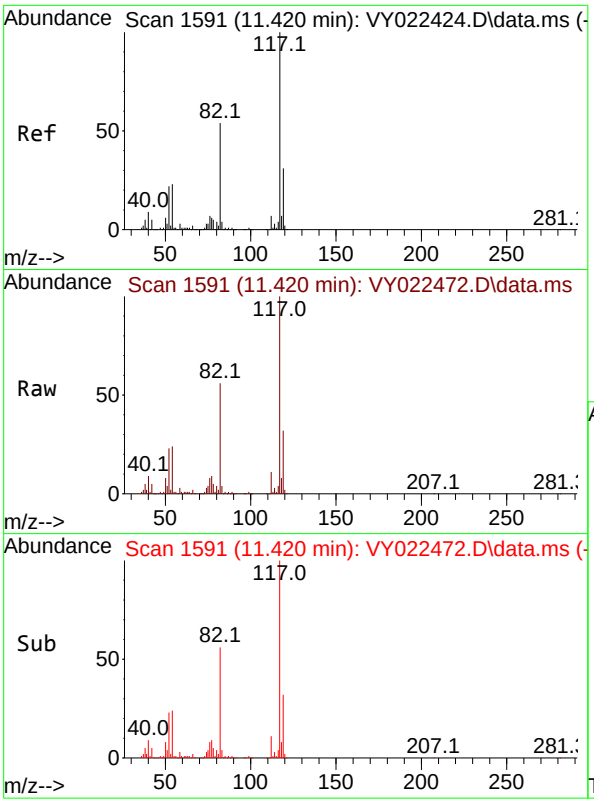


#62
4-Bromofluorobenzene
Concen: 50.536 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 95 Resp: 131020

Ion	Ratio	Lower	Upper
95	100		
174	86.2	0.0	171.6
176	82.2	0.0	164.6

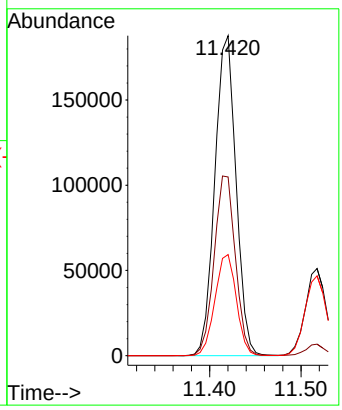




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion:117 Resp: 30261

Ion	Ratio	Lower	Upper
117	100		
82	55.8	43.3	64.9
119	31.6	24.5	36.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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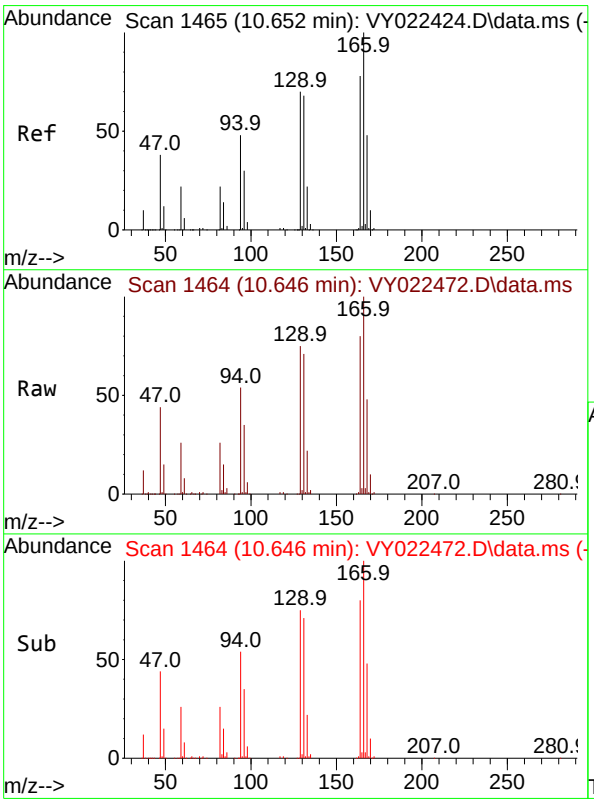
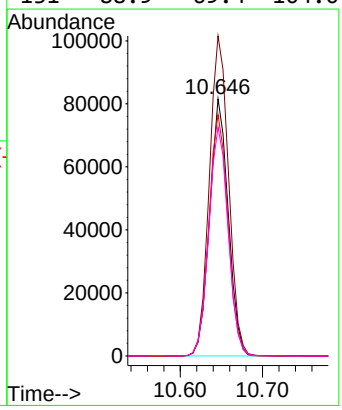
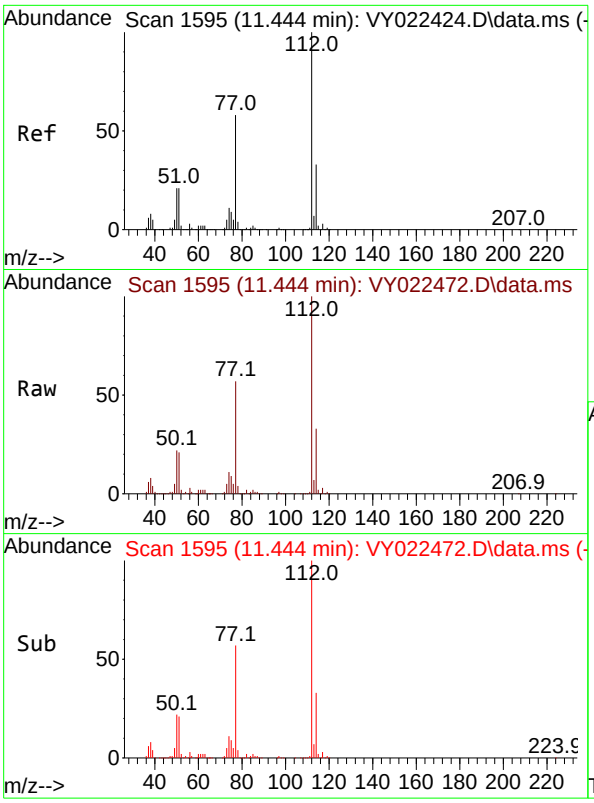


#64
Tetrachloroethene
Concen: 49.960 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion:164 Resp: 128759

Ion	Ratio	Lower	Upper
164	100		
166	124.5	102.0	153.0
129	93.9	71.3	106.9
131	88.9	69.4	104.0

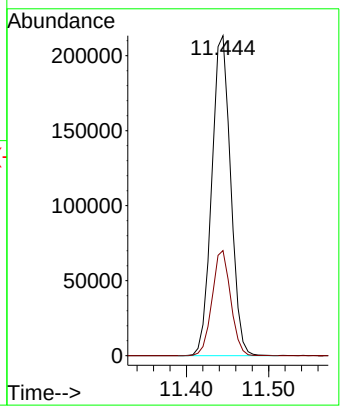




#65
Chlorobenzene
Concen: 52.737 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion:112 Resp: 34029

Ion	Ratio	Lower	Upper
112	100		
114	32.8	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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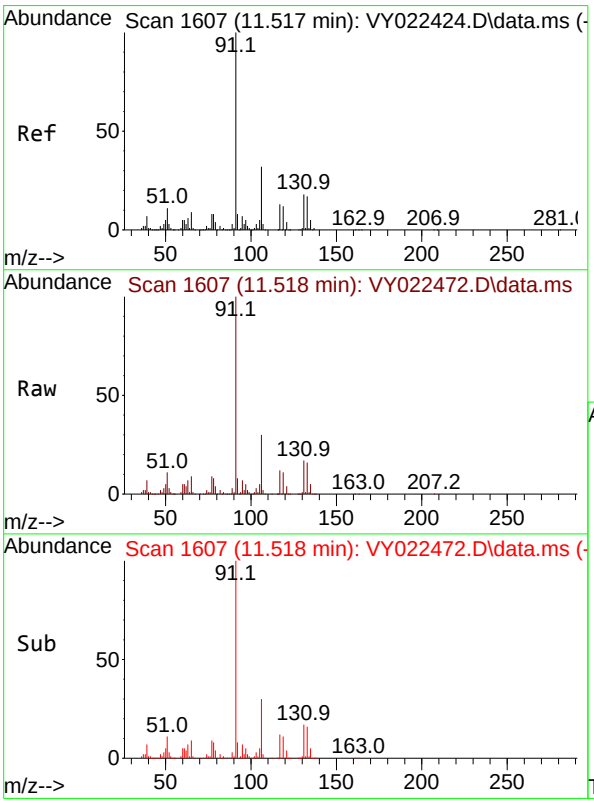
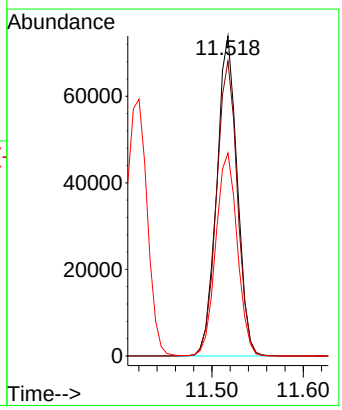
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

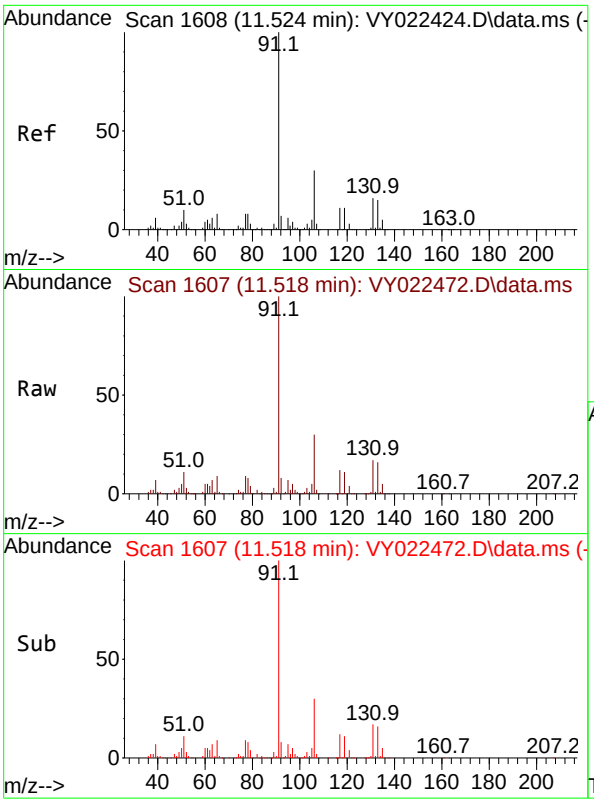


#66
1,1,1,2-Tetrachloroethane
Concen: 52.750 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion:131 Resp: 115325

Ion	Ratio	Lower	Upper
131	100		
133	93.8	46.6	139.8
119	66.5	33.3	99.8





#67
Ethyl Benzene
Concen: 53.445 ug/l
RT: 11.518 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 91 Resp: 64033

Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.4	36.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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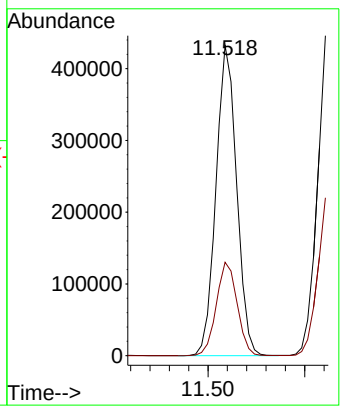
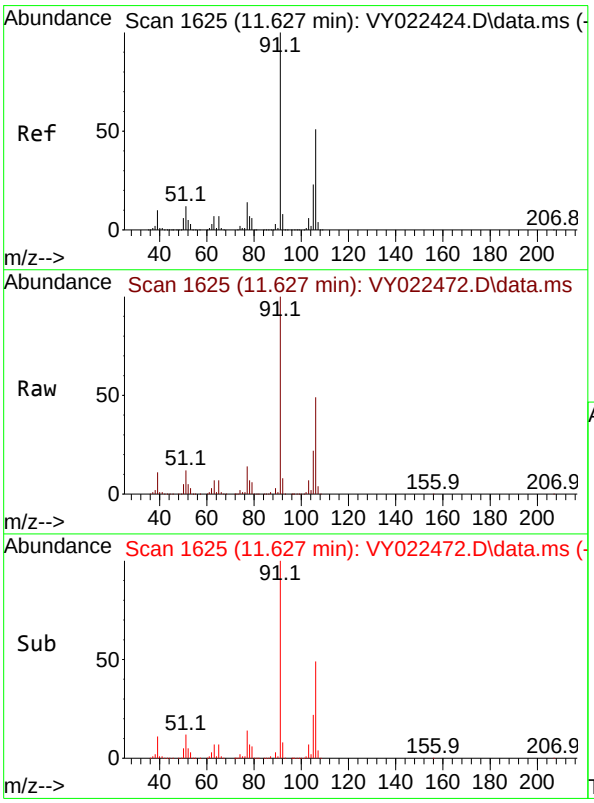
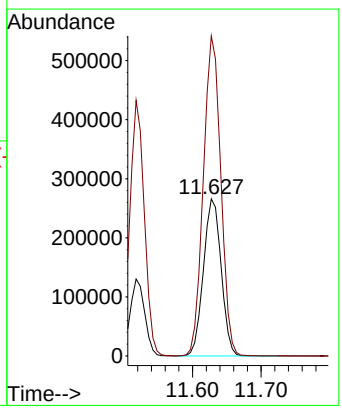


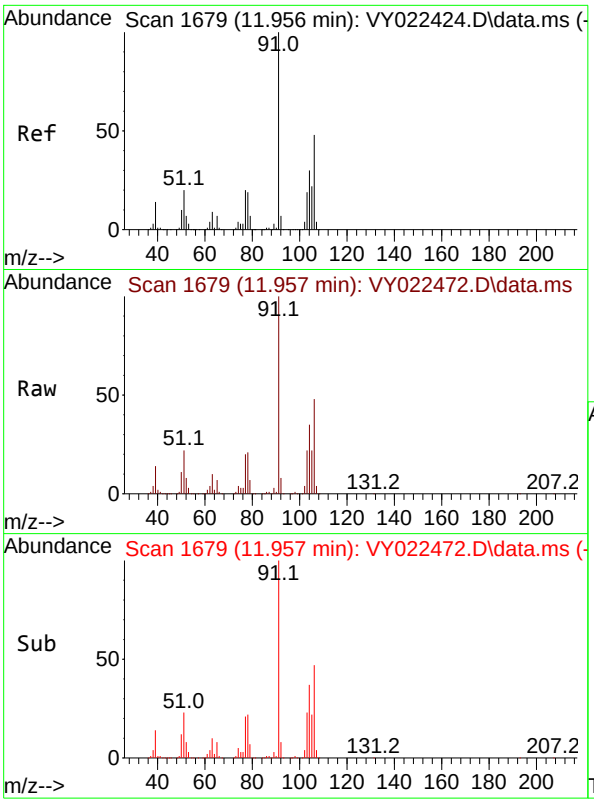


#68
m/p-Xylenes
Concen: 105.386 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion:106 Resp: 478725

Ion	Ratio	Lower	Upper
106	100		
91	201.3	159.8	239.8





#69
o-Xylene
Concen: 52.372 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion:106 Resp: 22359

Ion	Ratio	Lower	Upper
106	100		
91	213.4	106.3	318.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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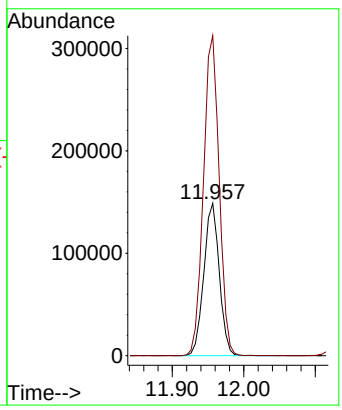
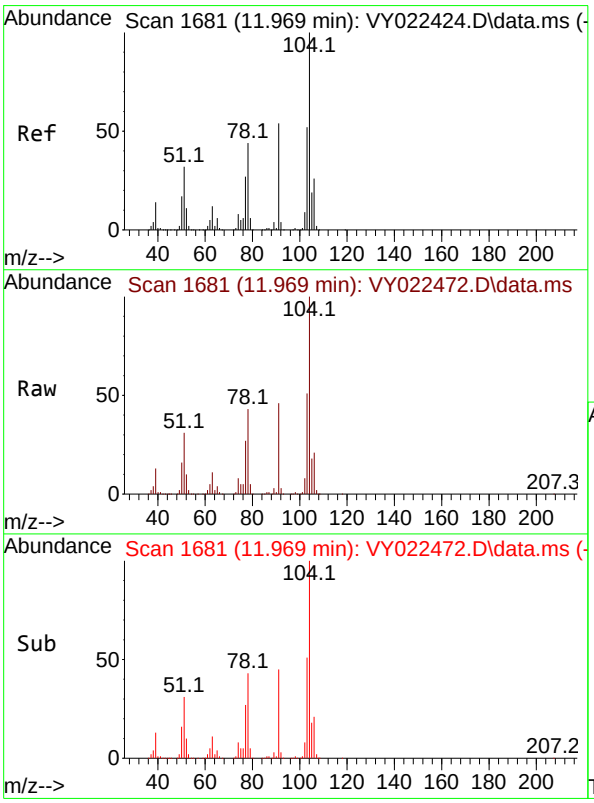
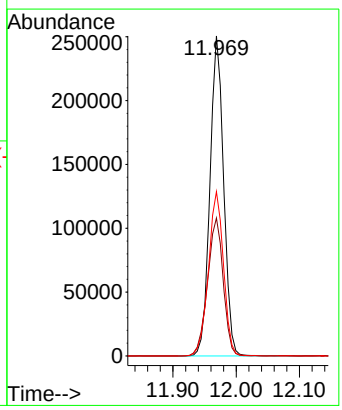


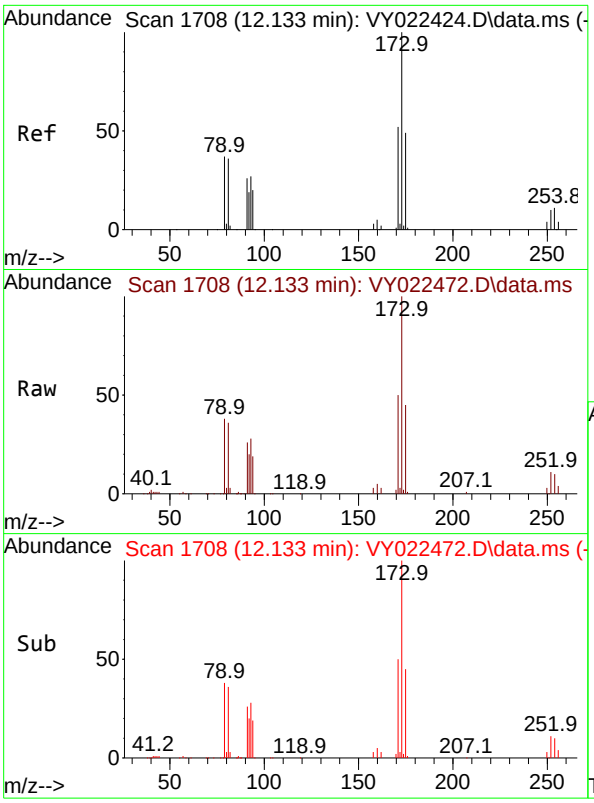


#70
Styrene
Concen: 53.102 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion:104 Resp: 377497

Ion	Ratio	Lower	Upper
104	100		
78	49.2	38.8	58.2
103	56.4	43.4	65.2





#71
Bromoform
Concen: 52.861 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 6053

Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.3	73.0
254	0.0	0.1	0.1

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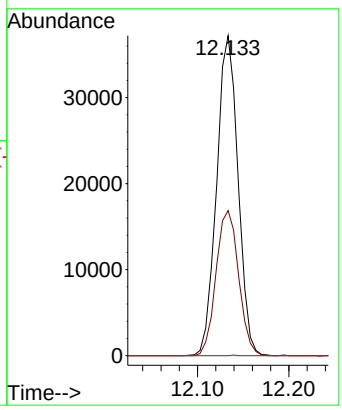
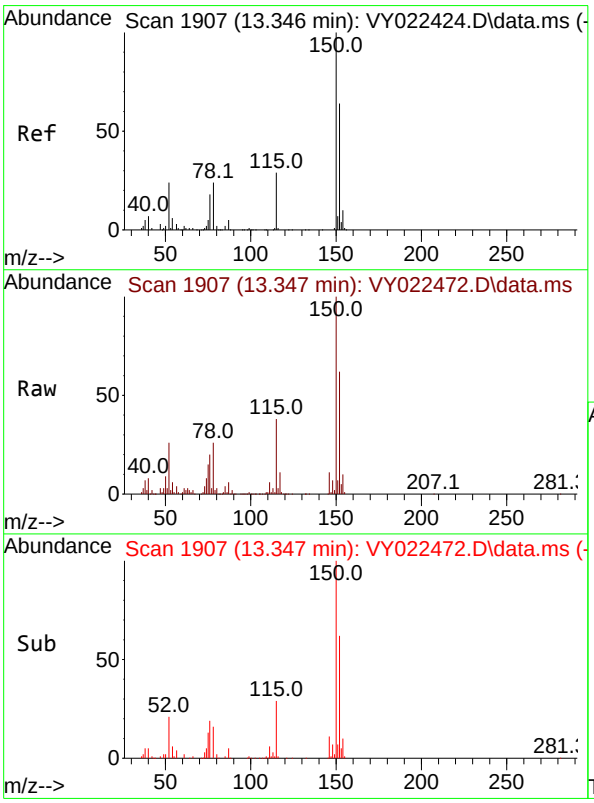
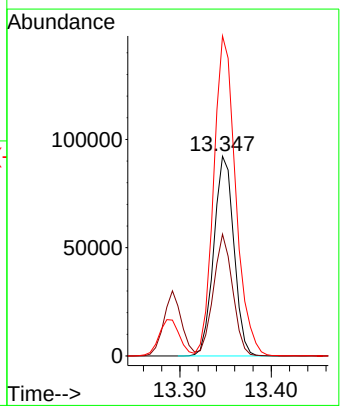


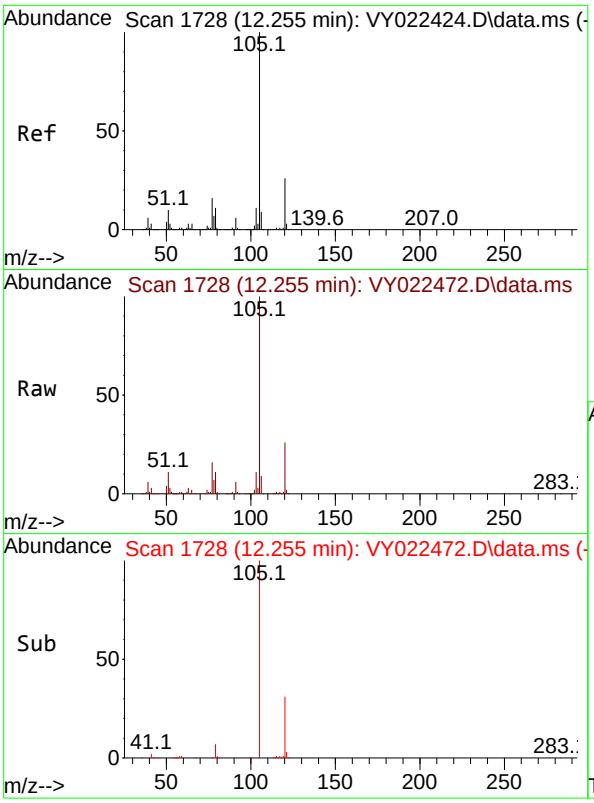


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion:152 Resp: 141076

Ion	Ratio	Lower	Upper
152	100		
115	58.5	28.4	85.3
150	174.7	0.0	345.8

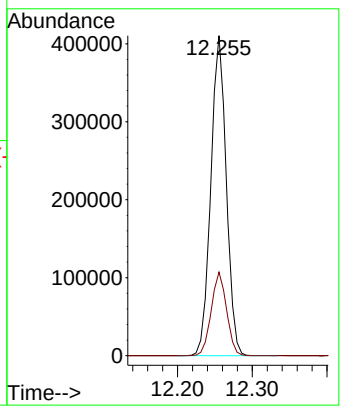




#73
Isopropylbenzene
Concen: 53.202 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion:105 Resp: 59070

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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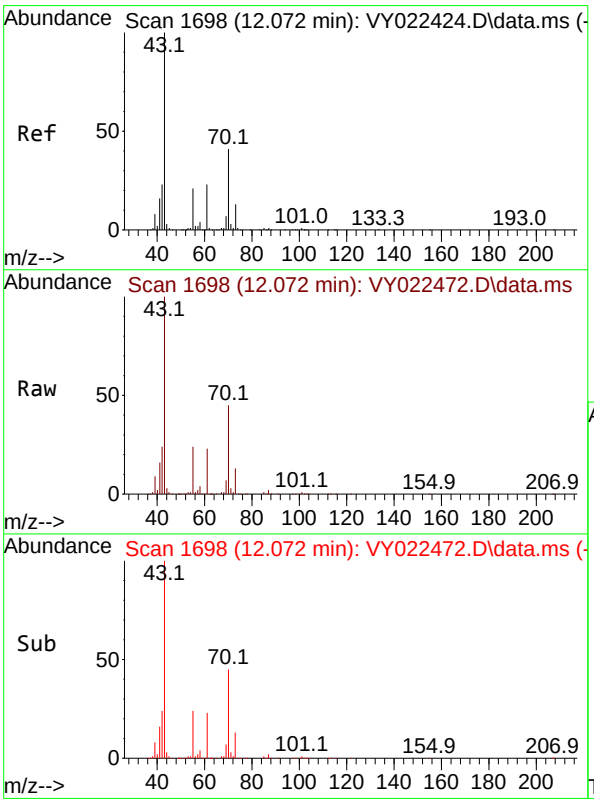
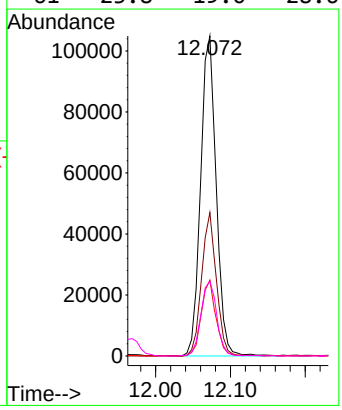
Supervised By :Mahesh Dadoda 06/02/2025

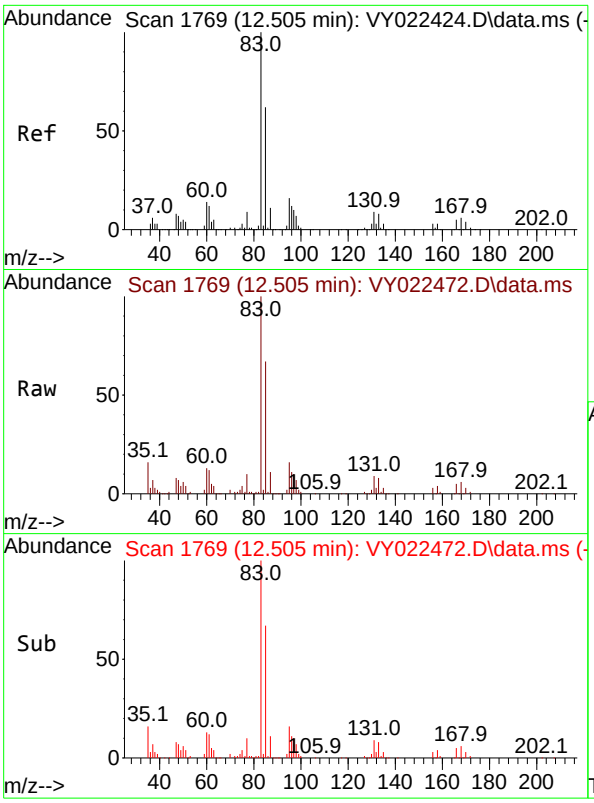


#74
N-amyl acetate
Concen: 55.921 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 43 Resp: 151932

Ion	Ratio	Lower	Upper
43	100		
70	42.4	33.0	49.4
55	22.5	17.5	26.3
61	23.8	19.0	28.6





#75
1,1,2,2-Tetrachloroethane
Concen: 54.495 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 83 Resp: 9533

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.8	14.4
85	65.7	32.0	96.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 06/02/2025
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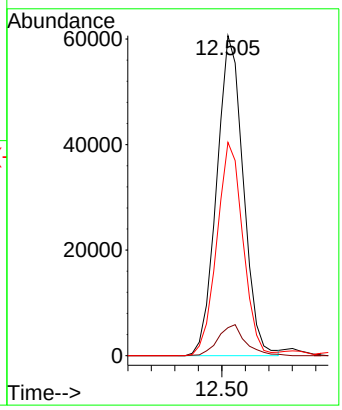
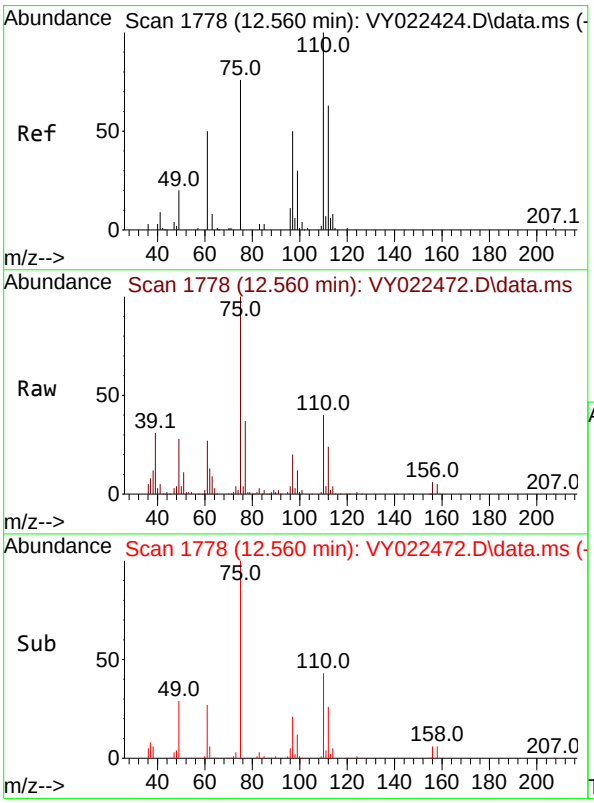
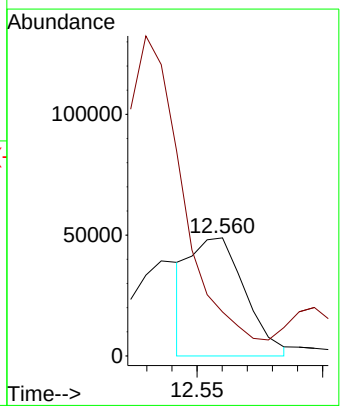


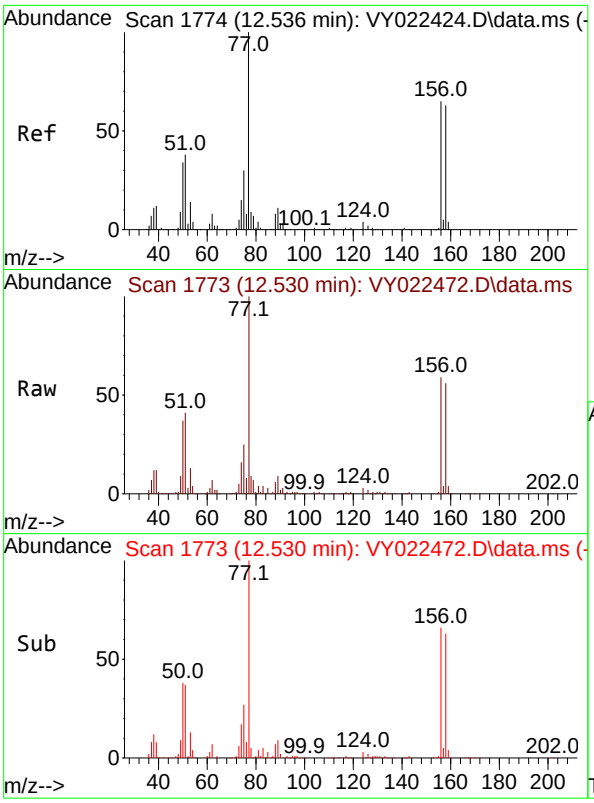


#76
1,2,3-Trichloropropane
Concen: 52.522 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 75 Resp: 74219

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

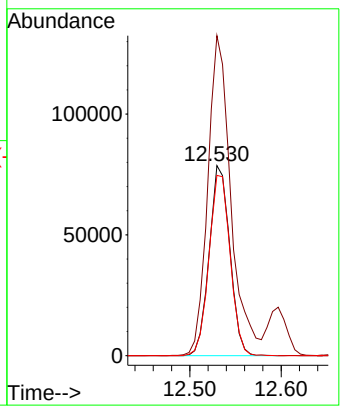




#77
Bromobenzene
Concen: 51.601 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion:156 Resp: 12329

Ion	Ratio	Lower	Upper
156	100		
77	189.2	91.4	274.2
158	97.6	48.1	144.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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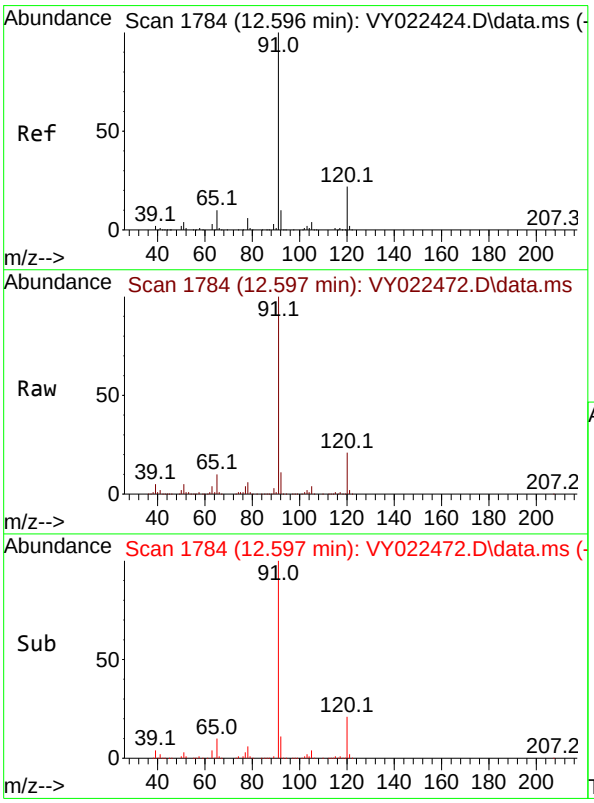
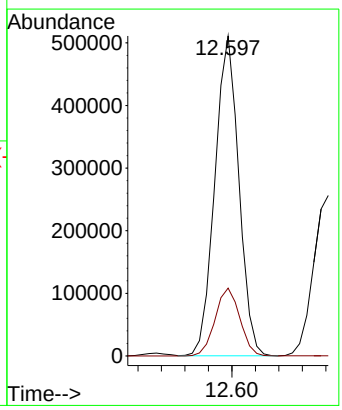
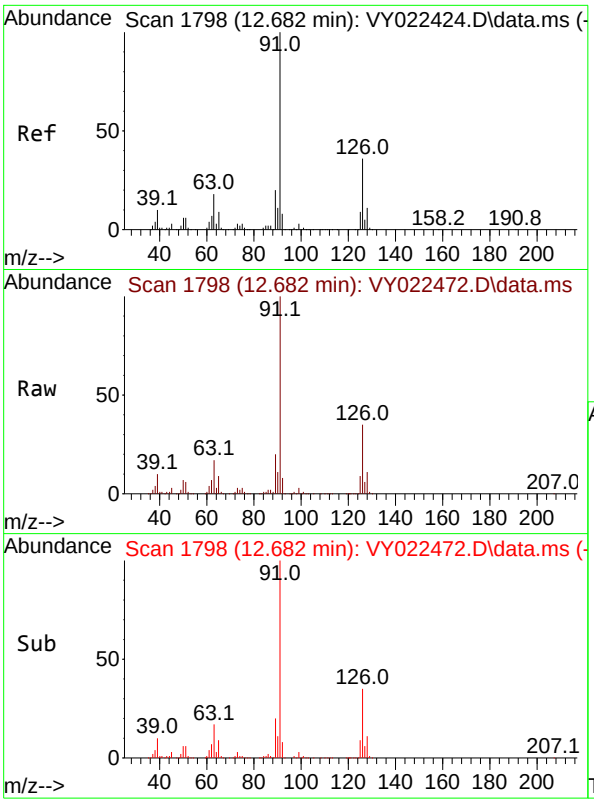


#78
n-propylbenzene
Concen: 54.342 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 91 Resp: 724086

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.5

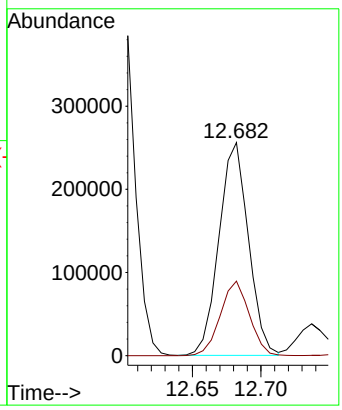




#79
2-Chlorotoluene
Concen: 53.192 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 91 Resp: 38366

Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.4	52.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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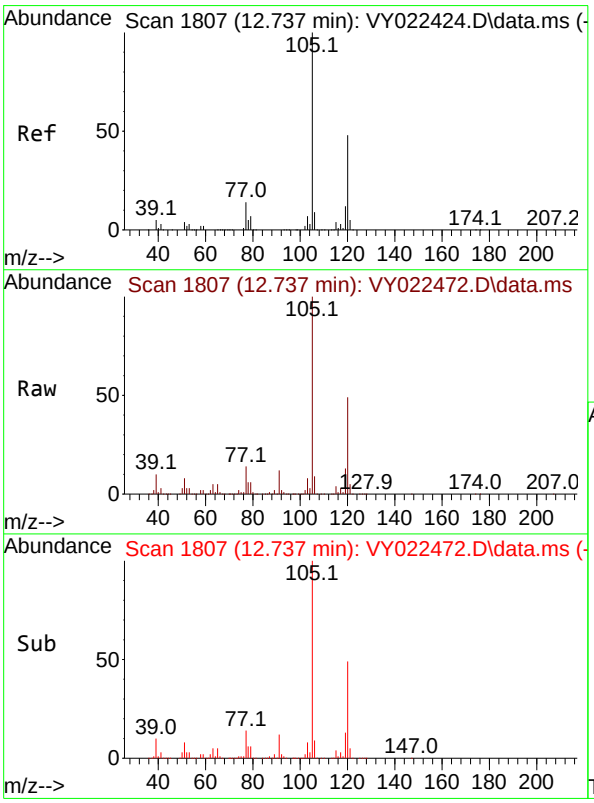
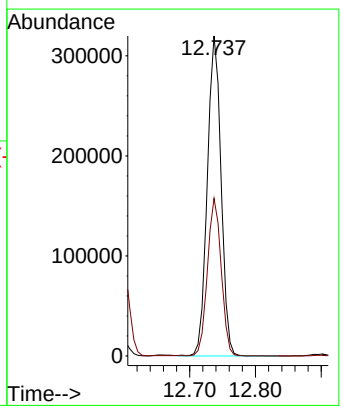
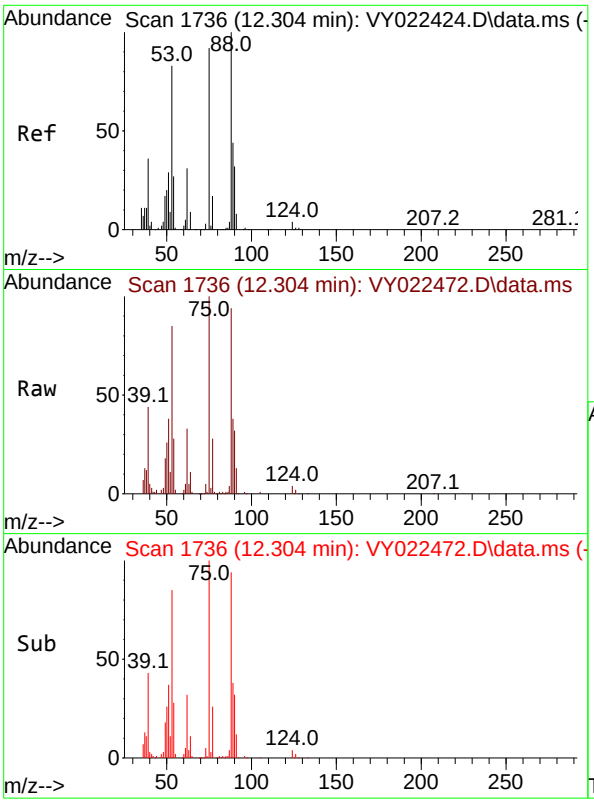


#80
1,3,5-Trimethylbenzene
Concen: 53.667 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion:105 Resp: 465580

Ion	Ratio	Lower	Upper
105	100		
120	49.2	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 54.520 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 75 Resp: 3406

Ion	Ratio	Lower	Upper
75	100		
53	92.8	75.1	112.7
89	43.7	37.4	56.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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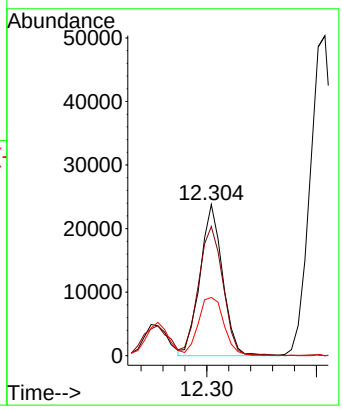
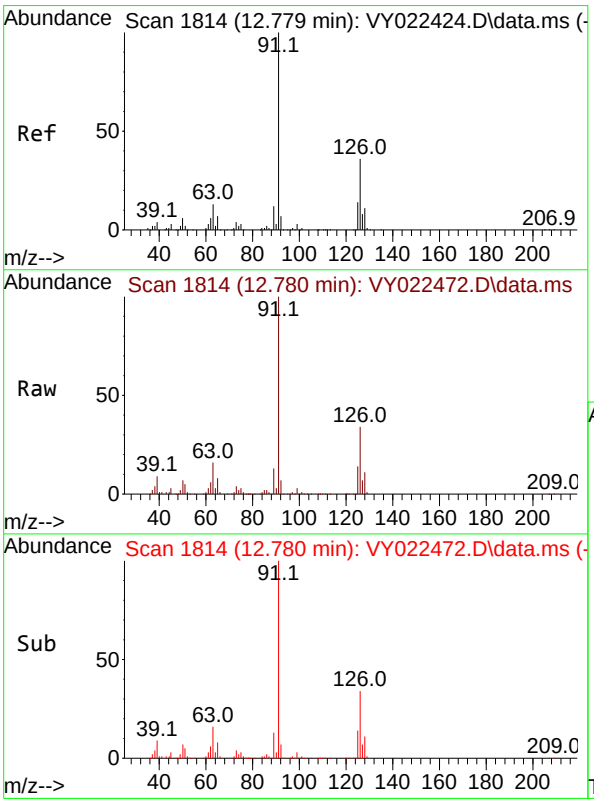
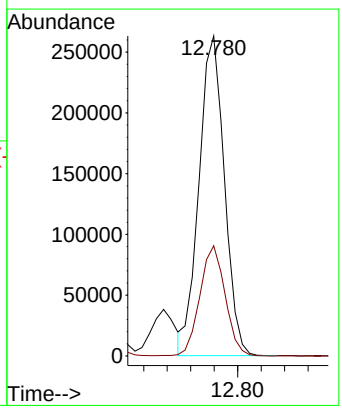


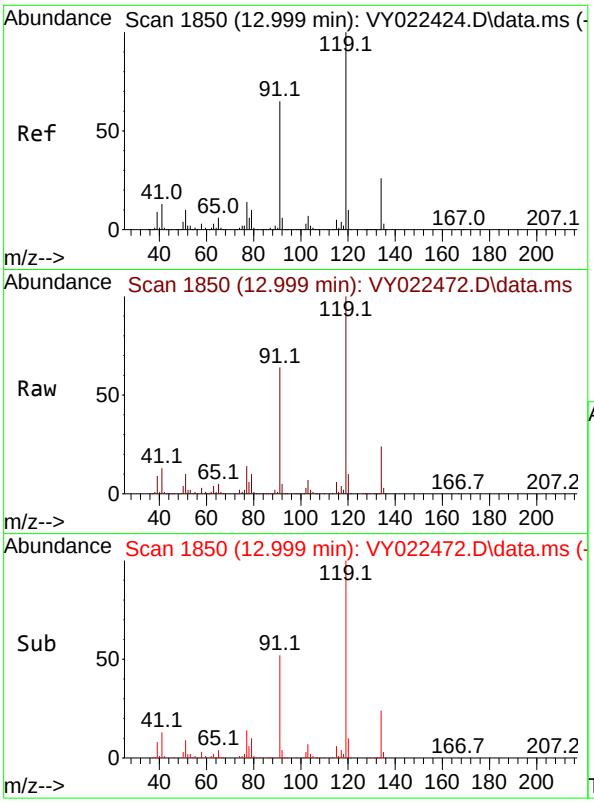


#82
4-Chlorotoluene
Concen: 53.206 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 91 Resp: 395252

Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.2	51.6





#83
tert-Butylbenzene
Concen: 53.873 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

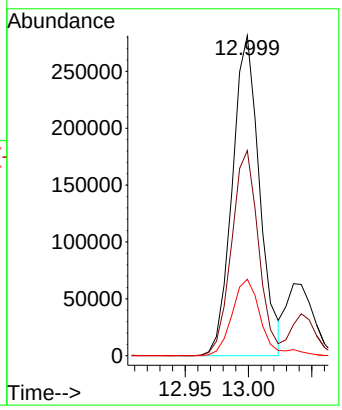
Tgt Ion:119 Resp: 42226

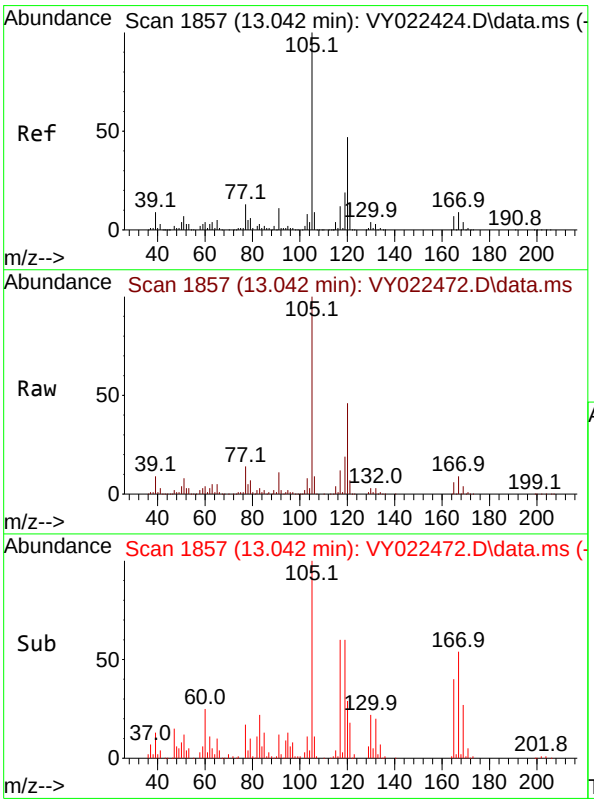
Ion	Ratio	Lower	Upper
119	100		
91	63.2	31.8	95.3
134	25.4	13.0	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

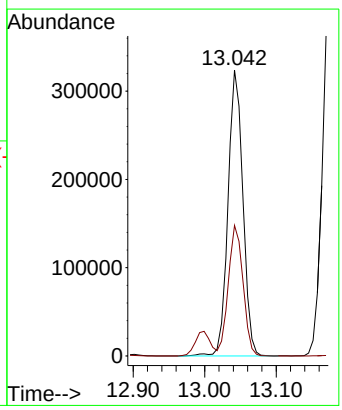


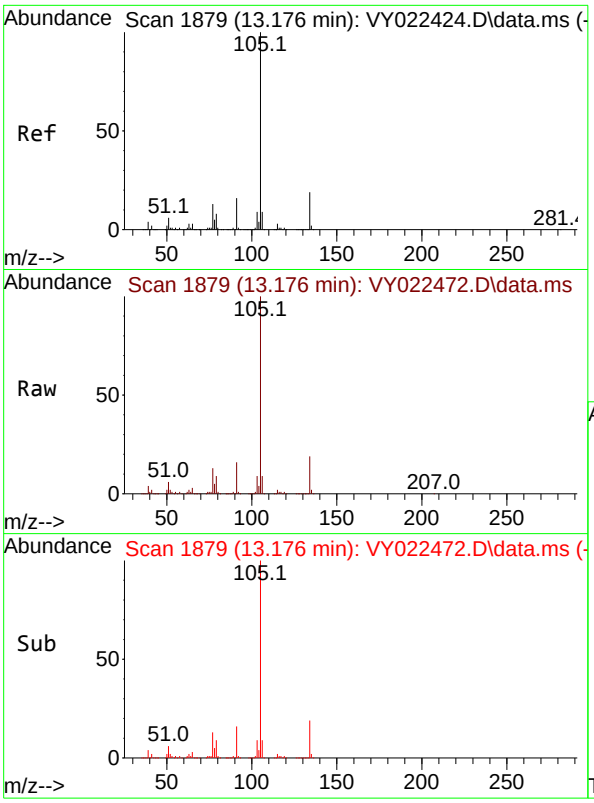


#84
1,2,4-Trimethylbenzene
Concen: 53.516 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion:105 Resp: 467206

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.9	68.5

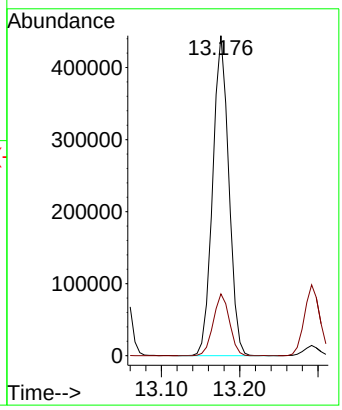




#85
sec-Butylbenzene
Concen: 54.644 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion:105 Resp: 63519

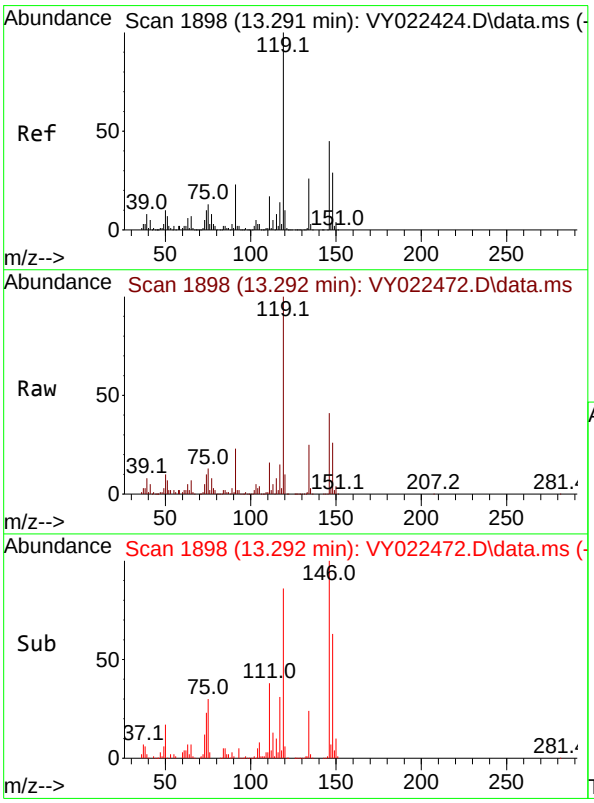
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	29.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

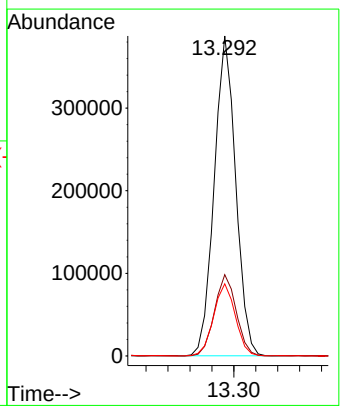
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

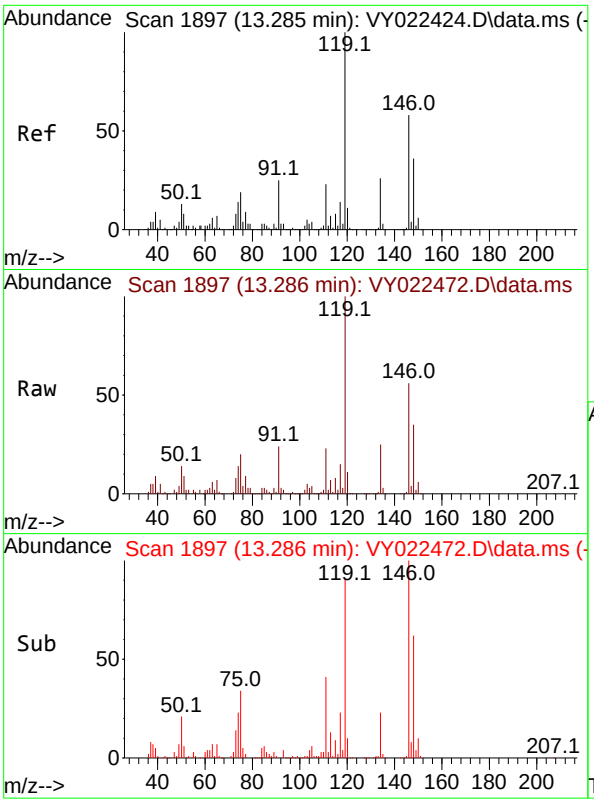


#86
p-Isopropyltoluene
Concen: 54.274 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion:119 Resp: 526830

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	39.0
91	22.9	11.6	34.8

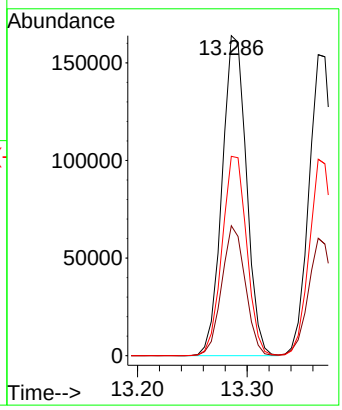




#87
1,3-Dichlorobenzene
Concen: 52.609 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion:146 Resp: 25292

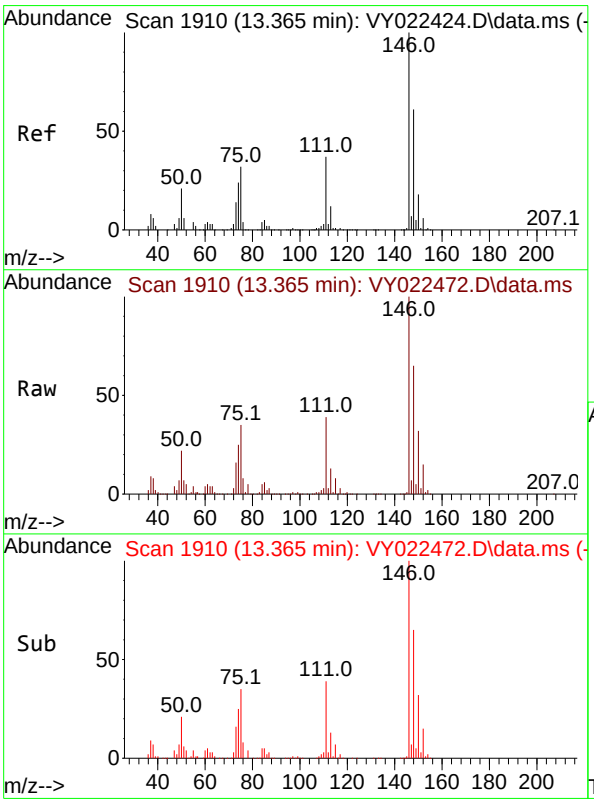
Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.6	58.8
148	63.0	31.7	95.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

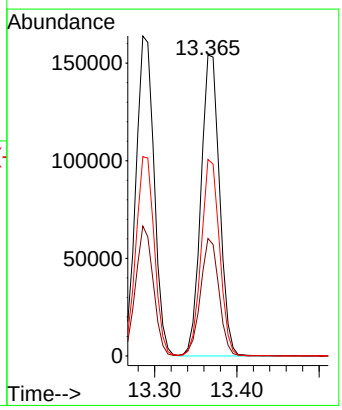
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

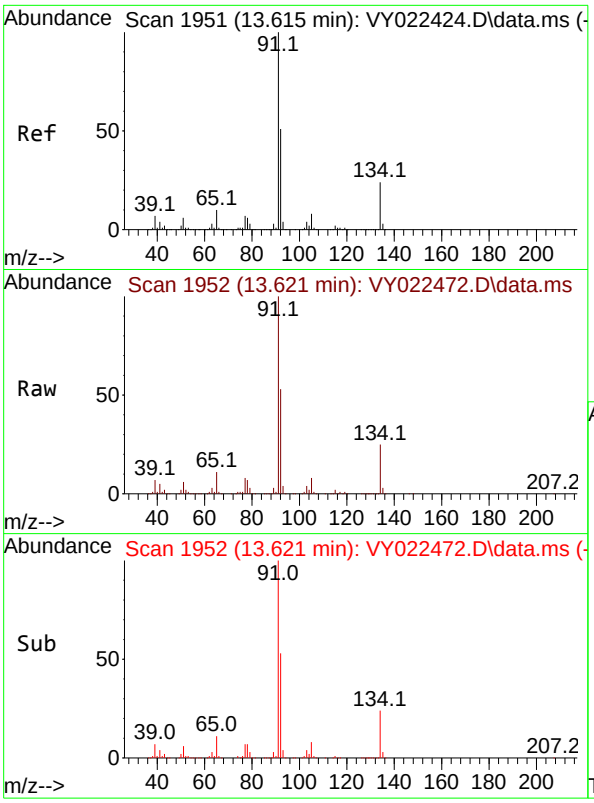


#88
1,4-Dichlorobenzene
Concen: 52.846 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion:146 Resp: 242932

Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.7	56.1
148	64.1	31.4	94.3

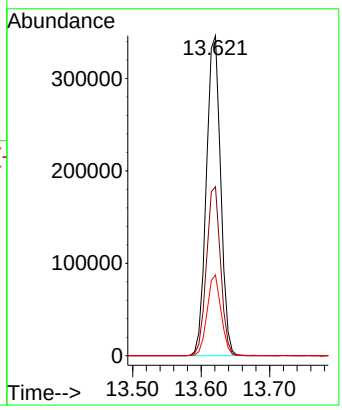




#89
n-Butylbenzene
Concen: 55.199 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 91 Resp: 50238

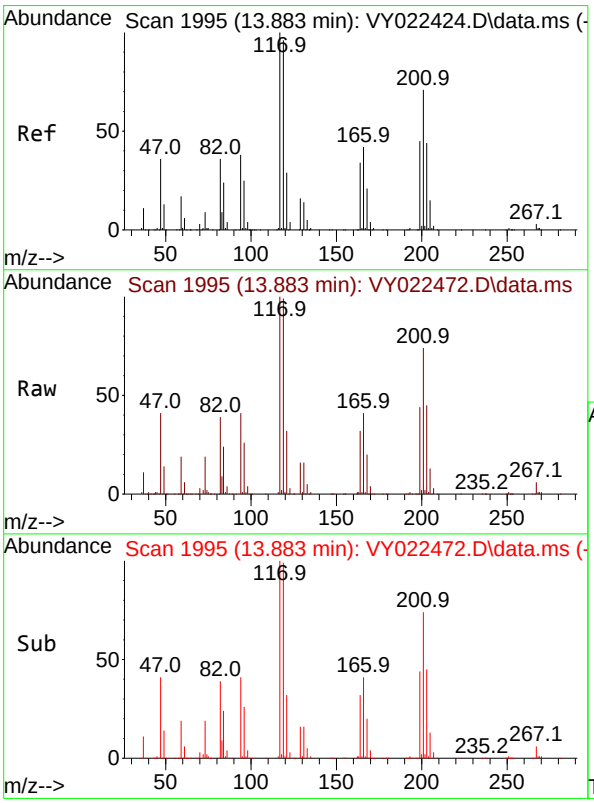
Ion	Ratio	Lower	Upper
91	100		
92	52.3	25.9	77.6
134	24.6	12.4	37.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

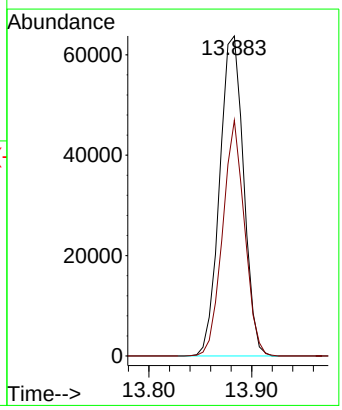
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

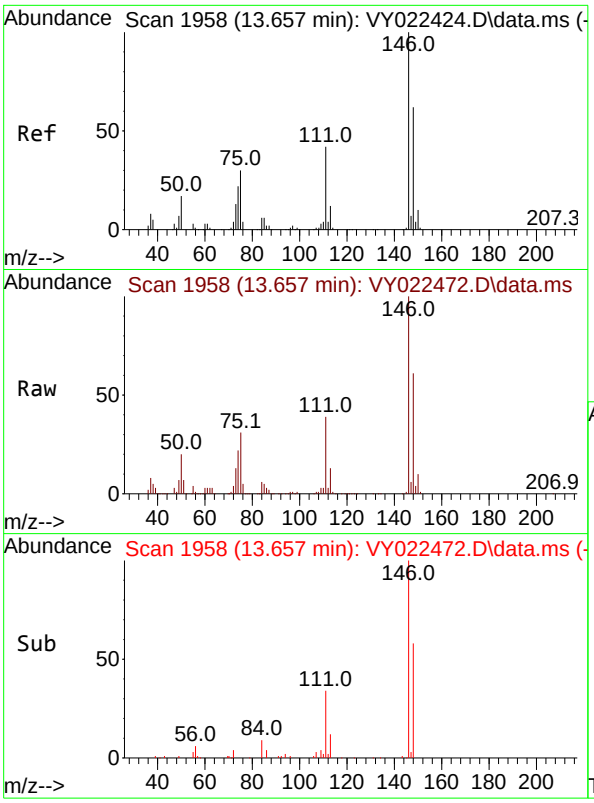


#90
Hexachloroethane
Concen: 53.335 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion:117 Resp: 103024

Ion	Ratio	Lower	Upper
117	100		
201	67.5	35.0	105.0

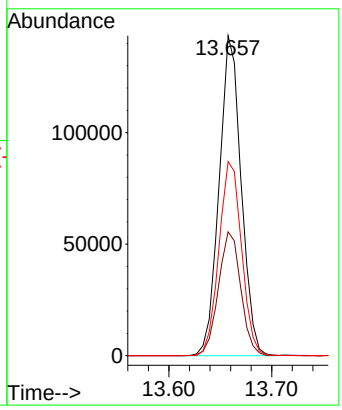




#91
1,2-Dichlorobenzene
Concen: 53.121 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion:146 Resp: 21331

Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.5	61.6
148	62.5	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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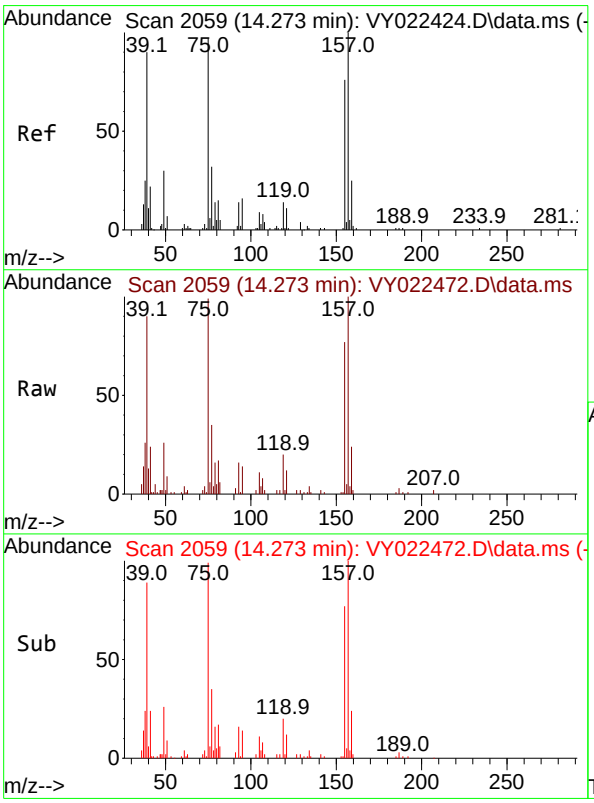
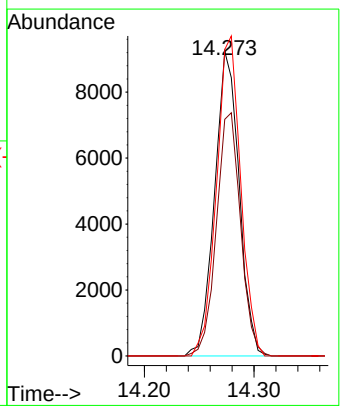
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

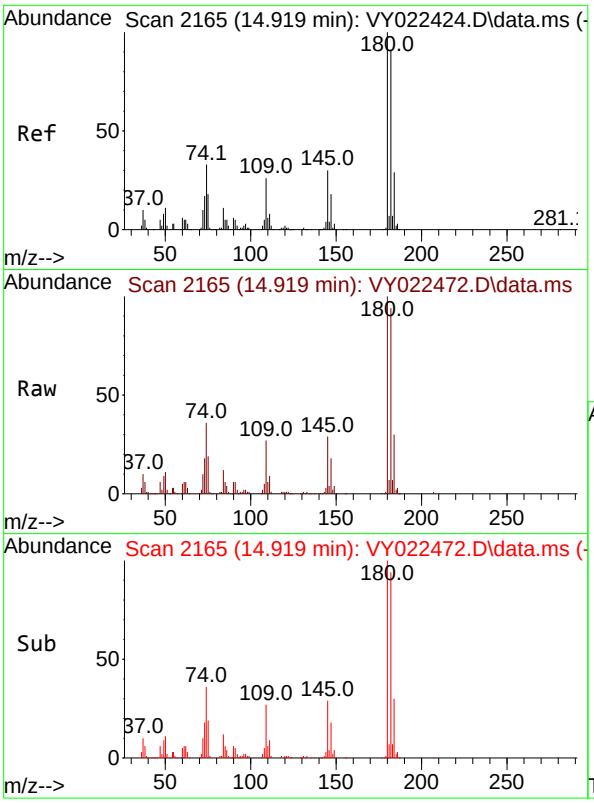


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.990 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion: 75 Resp: 14324

Ion	Ratio	Lower	Upper
75	100		
155	78.9	42.3	126.8
157	103.9	54.4	163.3

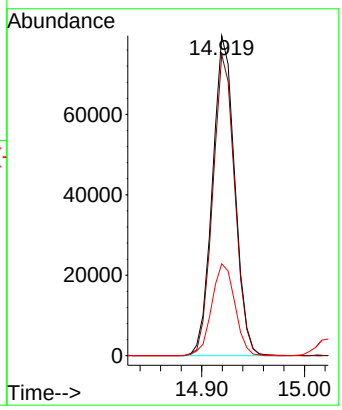




#93
1,2,4-Trichlorobenzene
Concen: 53.679 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion:180 Resp: 11949

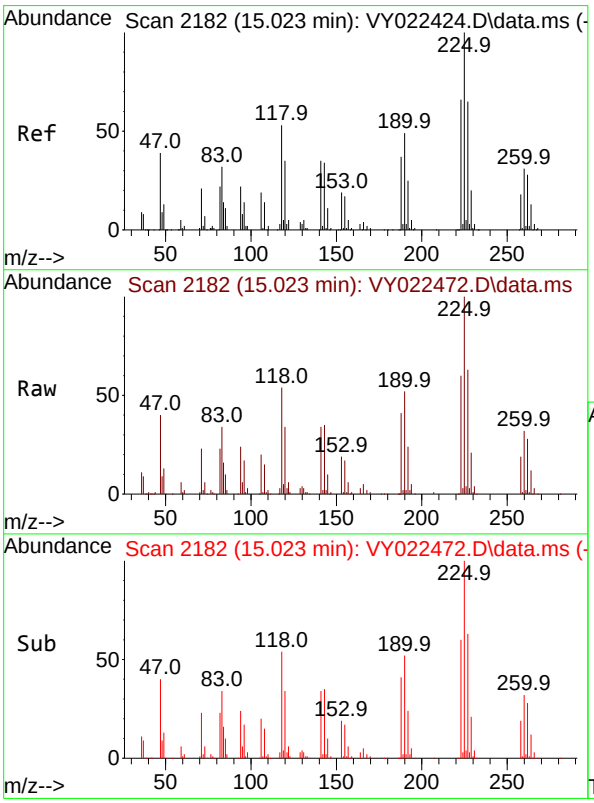
Ion	Ratio	Lower	Upper
180	100		
182	93.1	46.2	138.6
145	29.8	14.2	42.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

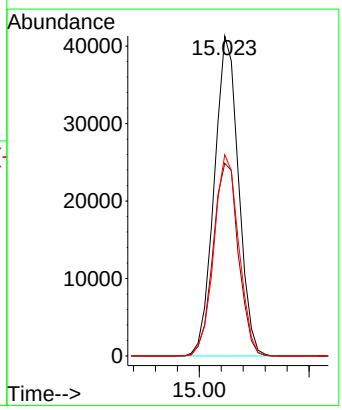
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

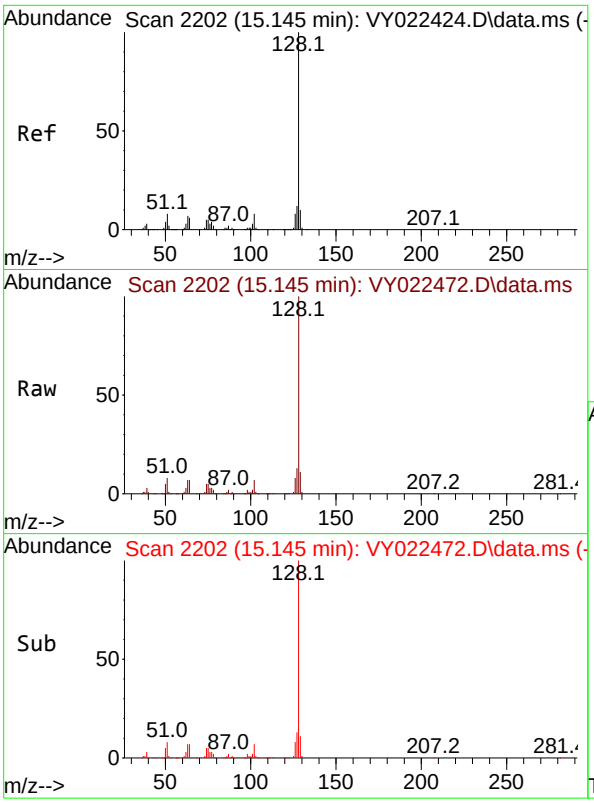


#94
Hexachlorobutadiene
Concen: 54.267 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion:225 Resp: 63399

Ion	Ratio	Lower	Upper
225	100		
223	62.9	32.6	97.7
227	64.3	33.0	99.0

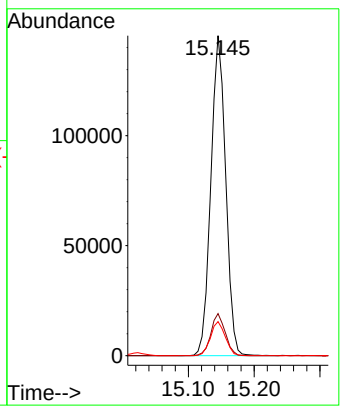




#95
Naphthalene
Concen: 55.465 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion:128 Resp: 22826

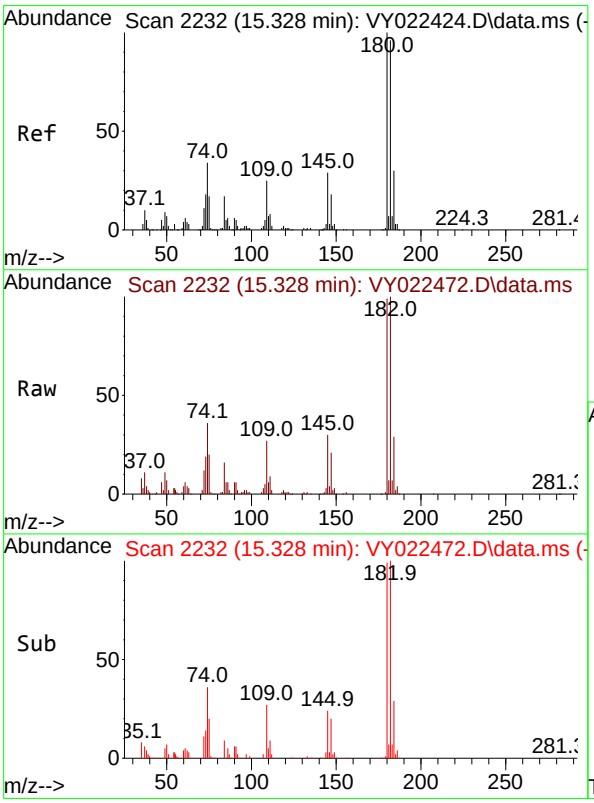
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.6	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

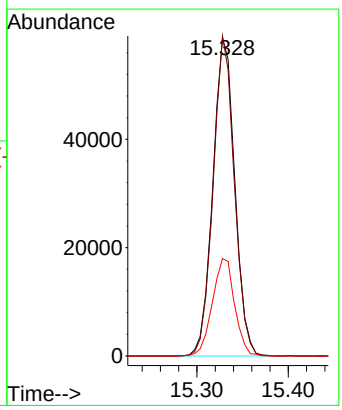
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025



#96
1,2,3-Trichlorobenzene
Concen: 53.600 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022472.D
Acq: 30 May 2025 11:20

Tgt Ion:180 Resp: 97859

Ion	Ratio	Lower	Upper
180	100		
182	96.7	48.1	144.3
145	31.1	14.9	44.5



Sample Results: **VY022472.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
Data File : VY022472.D
Acq On : 30 May 2025 11:20
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 31 02:24:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 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	85	0.00
2	T	Dichlorodifluoromethane	0.477	0.443	7.1	89	0.00
3	P	Chloromethane	1.173	1.101	6.1	79	0.00
4	C	Vinyl Chloride	1.425	1.489	-4.5#	88	0.00
5	T	Bromomethane	1.295	1.258	2.9	84	0.00
6	T	Chloroethane	0.931	1.031	-10.7	87	0.00
7	T	Trichlorofluoromethane	1.203	1.304	-8.4	93	0.00
8	T	Diethyl Ether	0.277	0.294	-6.1	91	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.528	0.546	-3.4	90	0.00
10	T	Methyl Iodide	0.595	0.626	-5.2	83	-0.01
11	T	Tert butyl alcohol	0.037	0.041	-10.8	98	-0.01
12	CM	1,1-Dichloroethene	0.524	0.533	-1.7#	89	0.00
13	T	Acrolein	0.056	0.044	21.4	66	0.00
14	T	Allyl chloride	0.788	0.839	-6.5	91	0.00
15	T	Acrylonitrile	0.112	0.123	-9.8	94	0.00
16	T	Acetone	0.087	0.136	-56.3#	137	0.00
17	T	Carbon Disulfide	1.672	1.671	0.1	86	0.00
18	T	Methyl Acetate	0.324	0.347	-7.1	96	-0.01
19	T	Methyl tert-butyl Ether	1.391	1.455	-4.6	90	0.00
20	T	Methylene Chloride	0.611	0.624	-2.1	97	0.00
21	T	trans-1,2-Dichloroethene	0.572	0.576	-0.7	88	0.00
22	T	Diisopropyl ether	1.739	1.824	-4.9	90	0.00
23	T	Vinyl Acetate	0.999	1.082	-8.3	92	-0.01
24	P	1,1-Dichloroethane	1.028	1.102	-7.2	92	0.00
25	T	2-Butanone	0.144	0.177	-22.9	106	-0.02
26	T	2,2-Dichloropropane	0.931	0.970	-4.2	90	0.00
27	T	cis-1,2-Dichloroethene	0.662	0.678	-2.4	89	0.00
28	T	Bromochloromethane	0.429	0.474	-10.5	92	0.00
29	T	Tetrahydrofuran	0.096	0.105	-9.4	94	0.00
30	C	Chloroform	1.013	1.075	-6.1#	89	0.00
31	T	Cyclohexane	1.013	0.985	2.8	90	0.00
32	T	1,1,1-Trichloroethane	0.919	0.966	-5.1	90	0.00
33	S	1,2-Dichloroethane-d4	0.527	0.572	-8.5	92	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	85	0.00
35	S	Dibromofluoromethane	0.293	0.309	-5.5	91	0.00
36	T	1,1-Dichloropropene	0.465	0.483	-3.9	89	0.00
37	T	Ethyl Acetate	0.197	0.225	-14.2	96	0.00
38	T	Carbon Tetrachloride	0.484	0.499	-3.1	88	0.00
39	T	Methylcyclohexane	0.618	0.635	-2.8	88	0.00
40	TM	Benzene	1.383	1.452	-5.0	89	0.00
41	T	Methacrylonitrile	0.120	0.112	6.7	82	-0.02
42	TM	1,2-Dichloroethane	0.365	0.396	-8.5	91	0.00
43	T	Isopropyl Acetate	0.432	0.472	-9.3	92	0.00
44	TM	Trichloroethene	0.342	0.351	-2.6	87	0.00
45	C	1,2-Dichloropropane	0.325	0.345	-6.2#	91	0.00
46	T	Dibromomethane	0.181	0.193	-6.6	90	0.00
47	T	Bromodichloromethane	0.467	0.499	-6.9	92	0.00
48	T	Methyl methacrylate	0.200	0.218	-9.0	93	0.00

Sample Results: **VY022472.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
Data File : VY022472.D
Acq On : 30 May 2025 11:20
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 31 02:24:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 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	0.002	0.002	0.0	91	0.00
50	S	Toluene-d8	1.194	1.265	-5.9	92	0.00
51	T	4-Methyl-2-Pentanone	0.213	0.239	-12.2	93	0.00
52	CM	Toluene	0.864	0.911	-5.4#	89	0.00
53	T	t-1,3-Dichloropropene	0.435	0.463	-6.4	91	0.00
54	T	cis-1,3-Dichloropropene	0.511	0.539	-5.5	90	0.00
55	T	1,1,2-Trichloroethane	0.229	0.247	-7.9	92	0.00
56	T	Ethyl methacrylate	0.329	0.357	-8.5	89	0.00
57	T	1,3-Dichloropropane	0.404	0.435	-7.7	91	0.00
58	T	2-Chloroethyl Vinyl ether	0.164	0.174	-6.1	89	0.00
59	T	2-Hexanone	0.140	0.167	-19.3	98	0.00
60	T	Dibromochloromethane	0.293	0.307	-4.8	87	0.00
61	T	1,2-Dibromoethane	0.210	0.223	-6.2	88	0.00
62	S	4-Bromofluorobenzene	0.361	0.365	-1.1	88	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	84	0.00
64	T	Tetrachloroethene	0.426	0.425	0.2	84	0.00
65	PM	Chlorobenzene	1.066	1.125	-5.5	89	0.00
66	T	1,1,1,2-Tetrachloroethane	0.361	0.381	-5.5	87	0.00
67	C	Ethyl Benzene	1.980	2.116	-6.9#	90	0.00
68	T	m/p-Xylenes	0.751	0.791	-5.3	88	0.00
69	T	o-Xylene	0.705	0.739	-4.8	88	0.00
70	T	Styrene	1.175	1.247	-6.1	88	0.00
71	P	Bromoform	0.189	0.200	-5.8	88	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	83	0.00
73	T	Isopropylbenzene	3.935	4.187	-6.4	89	0.00
74	T	N-amyl acetate	0.963	1.077	-11.8	89	0.00
75	P	1,1,2,2-Tetrachloroethane	0.620	0.676	-9.0	91	0.00
76	T	1,2,3-Trichloropropane	0.501	0.526	-5.0	89	0.00
77	T	Bromobenzene	0.847	0.874	-3.2	85	0.00
78	T	n-propylbenzene	4.723	5.133	-8.7	90	0.00
79	T	2-Chlorotoluene	2.556	2.720	-6.4	89	0.00
80	T	1,3,5-Trimethylbenzene	3.075	3.300	-7.3	89	0.00
81	T	trans-1,4-Dichloro-2-butene	0.221	0.241	-9.0	93	0.00
82	T	4-Chlorotoluene	2.633	2.802	-6.4	88	0.00
83	T	tert-Butylbenzene	2.778	2.993	-7.7	90	0.00
84	T	1,2,4-Trimethylbenzene	3.094	3.312	-7.0	88	0.00
85	T	sec-Butylbenzene	4.120	4.502	-9.3	90	0.00
86	T	p-Isopropyltoluene	3.440	3.734	-8.5	89	0.00
87	T	1,3-Dichlorobenzene	1.704	1.793	-5.2	87	0.00
88	T	1,4-Dichlorobenzene	1.629	1.722	-5.7	87	0.00
89	T	n-Butylbenzene	3.226	3.561	-10.4	88	0.00
90	T	Hexachloroethane	0.685	0.730	-6.6	88	0.00
91	T	1,2-Dichlorobenzene	1.423	1.512	-6.3	88	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.096	0.102	-6.2	90	0.00
93	T	1,2,4-Trichlorobenzene	0.789	0.847	-7.4	85	0.00
94	T	Hexachlorobutadiene	0.414	0.449	-8.5	88	0.00
95	T	Naphthalene	1.459	1.618	-10.9	86	0.00

Sample Results: **VY022472.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
Data File : VY022472.D
Acq On : 30 May 2025 11:20
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 31 02:24:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.647	0.694	-7.3	84	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VY022472.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
Data File : VY022472.D
Acq On : 30 May 2025 11:20
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 31 02:24:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 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	85	0.00
2	T	Dichlorodifluoromethane	50.000	46.482	7.0	89	0.00
3	P	Chloromethane	50.000	46.917	6.2	79	0.00
4	C	Vinyl Chloride	50.000	52.214	-4.4#	88	0.00
5	T	Bromomethane	50.000	48.545	2.9	84	0.00
6	T	Chloroethane	50.000	55.336	-10.7	87	0.00
7	T	Trichlorofluoromethane	50.000	54.215	-8.4	93	0.00
8	T	Diethyl Ether	50.000	53.028	-6.1	91	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.700	-3.4	90	0.00
10	T	Methyl Iodide	50.000	52.597	-5.2	83	-0.01
11	T	Tert butyl alcohol	250.000	274.048	-9.6	98	-0.01
12	CM	1,1-Dichloroethene	50.000	50.900	-1.8#	89	0.00
13	T	Acrolein	250.000	197.364	21.1	66	0.00
14	T	Allyl chloride	50.000	53.264	-6.5	91	0.00
15	T	Acrylonitrile	250.000	275.441	-10.2	94	0.00
16	T	Acetone	250.000	391.791	-56.7#	137	0.00
17	T	Carbon Disulfide	50.000	49.975	0.0	86	0.00
18	T	Methyl Acetate	50.000	53.473	-6.9	96	-0.01
19	T	Methyl tert-butyl Ether	50.000	52.305	-4.6	90	0.00
20	T	Methylene Chloride	50.000	51.033	-2.1	97	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.343	-0.7	88	0.00
22	T	Diisopropyl ether	50.000	52.442	-4.9	90	0.00
23	T	Vinyl Acetate	250.000	270.813	-8.3	92	-0.01
24	P	1,1-Dichloroethane	50.000	53.595	-7.2	92	0.00
25	T	2-Butanone	250.000	306.209	-22.5	106	-0.02
26	T	2,2-Dichloropropane	50.000	52.118	-4.2	90	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.226	-2.5	89	0.00
28	T	Bromochloromethane	50.000	55.243	-10.5	92	0.00
29	T	Tetrahydrofuran	250.000	272.968	-9.2	94	0.00
30	C	Chloroform	50.000	53.056	-6.1#	89	0.00
31	T	Cyclohexane	50.000	48.596	2.8	90	0.00
32	T	1,1,1-Trichloroethane	50.000	52.539	-5.1	90	0.00
33	S	1,2-Dichloroethane-d4	50.000	54.271	-8.5	92	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	85	0.00
35	S	Dibromofluoromethane	50.000	52.802	-5.6	91	0.00
36	T	1,1-Dichloropropene	50.000	51.991	-4.0	89	0.00
37	T	Ethyl Acetate	50.000	56.957	-13.9	96	0.00
38	T	Carbon Tetrachloride	50.000	51.575	-3.2	88	0.00
39	T	Methylcyclohexane	50.000	51.401	-2.8	88	0.00
40	TM	Benzene	50.000	52.505	-5.0	89	0.00
41	T	Methacrylonitrile	50.000	46.717	6.6	82	-0.02
42	TM	1,2-Dichloroethane	50.000	54.198	-8.4	91	0.00
43	T	Isopropyl Acetate	50.000	54.741	-9.5	92	0.00
44	TM	Trichloroethene	50.000	51.388	-2.8	87	0.00
45	C	1,2-Dichloropropane	50.000	53.028	-6.1#	91	0.00
46	T	Dibromomethane	50.000	53.273	-6.5	90	0.00
47	T	Bromodichloromethane	50.000	53.501	-7.0	92	0.00
48	T	Methyl methacrylate	50.000	54.537	-9.1	93	0.00

Sample Results: **VY022472.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
Data File : VY022472.D
Acq On : 30 May 2025 11:20
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 31 02:24:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 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	1057.597	-5.8	91	0.00
50	S	Toluene-d8	50.000	52.995	-6.0	92	0.00
51	T	4-Methyl-2-Pentanone	250.000	281.130	-12.5	93	0.00
52	CM	Toluene	50.000	52.723	-5.4#	89	0.00
53	T	t-1,3-Dichloropropene	50.000	53.288	-6.6	91	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.773	-5.5	90	0.00
55	T	1,1,2-Trichloroethane	50.000	53.769	-7.5	92	0.00
56	T	Ethyl methacrylate	50.000	54.268	-8.5	89	0.00
57	T	1,3-Dichloropropane	50.000	53.738	-7.5	91	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	265.353	-6.1	89	0.00
59	T	2-Hexanone	250.000	299.896	-20.0	98	0.00
60	T	Dibromochloromethane	50.000	52.350	-4.7	87	0.00
61	T	1,2-Dibromoethane	50.000	53.202	-6.4	88	0.00
62	S	4-Bromofluorobenzene	50.000	50.536	-1.1	88	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	84	0.00
64	T	Tetrachloroethene	50.000	49.960	0.1	84	0.00
65	PM	Chlorobenzene	50.000	52.737	-5.5	89	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.750	-5.5	87	0.00
67	C	Ethyl Benzene	50.000	53.445	-6.9#	90	0.00
68	T	m/p-Xylenes	100.000	105.386	-5.4	88	0.00
69	T	o-Xylene	50.000	52.372	-4.7	88	0.00
70	T	Styrene	50.000	53.102	-6.2	88	0.00
71	P	Bromoform	50.000	52.861	-5.7	88	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	83	0.00
73	T	Isopropylbenzene	50.000	53.202	-6.4	89	0.00
74	T	N-amyl acetate	50.000	55.921	-11.8	89	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	54.495	-9.0	91	0.00
76	T	1,2,3-Trichloropropane	50.000	52.522	-5.0	89	0.00
77	T	Bromobenzene	50.000	51.601	-3.2	85	0.00
78	T	n-propylbenzene	50.000	54.342	-8.7	90	0.00
79	T	2-Chlorotoluene	50.000	53.192	-6.4	89	0.00
80	T	1,3,5-Trimethylbenzene	50.000	53.667	-7.3	89	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	54.520	-9.0	93	0.00
82	T	4-Chlorotoluene	50.000	53.206	-6.4	88	0.00
83	T	tert-Butylbenzene	50.000	53.873	-7.7	90	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.516	-7.0	88	0.00
85	T	sec-Butylbenzene	50.000	54.644	-9.3	90	0.00
86	T	p-Isopropyltoluene	50.000	54.274	-8.5	89	0.00
87	T	1,3-Dichlorobenzene	50.000	52.609	-5.2	87	0.00
88	T	1,4-Dichlorobenzene	50.000	52.846	-5.7	87	0.00
89	T	n-Butylbenzene	50.000	55.199	-10.4	88	0.00
90	T	Hexachloroethane	50.000	53.335	-6.7	88	0.00
91	T	1,2-Dichlorobenzene	50.000	53.121	-6.2	88	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.990	-6.0	90	0.00
93	T	1,2,4-Trichlorobenzene	50.000	53.679	-7.4	85	0.00
94	T	Hexachlorobutadiene	50.000	54.267	-8.5	88	0.00
95	T	Naphthalene	50.000	55.465	-10.9	86	0.00

Sample Results: **VY022472.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
Data File : VY022472.D
Acq On : 30 May 2025 11:20
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 31 02:24:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 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	53.600	-7.2	84	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VY022494.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SCAL01

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG No.: Q2161

Instrument ID: MSVOA_Y Calibration Date/Time: 06/02/2025 12:54

Lab File ID: VY022494.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.448	0.413		-7.81	
Chloromethane	1.322	1.230		-6.96	
Vinyl Chloride	1.534	1.497		-2.41	
Bromomethane	1.470	1.240		-15.65	
Chloroethane	1.053	0.965		-8.36	
Trichlorofluoromethane	1.302	1.224		-5.99	
1,1,2-Trichlorotrifluoroethane	0.549	0.538		-2	
1,1-Dichloroethene	0.524	0.518		-1.14	
Acetone	0.114	0.116		1.75	
Carbon Disulfide	1.679	1.664		-0.89	
Methyl tert-butyl Ether	1.477	1.470		-0.47	
Methyl Acetate	0.336	0.333		-0.89	
Methylene Chloride	0.645	0.574		-11.01	
trans-1,2-Dichloroethene	0.587	0.571		-2.73	
1,1-Dichloroethane	1.079	1.060		-1.76	
Cyclohexane	1.075	1.015		-5.58	
2-Butanone	0.164	0.168		2.44	
Carbon Tetrachloride	0.497	0.508		2.21	
cis-1,2-Dichloroethene	0.678	0.682		0.59	
Bromochloromethane	0.471	0.454		-3.61	
Chloroform	1.069	1.058		-1.03	
1,1,1-Trichloroethane	0.949	0.948		-0.1	
Methylcyclohexane	0.651	0.657		0.92	
Benzene	1.431	1.441		0.7	
1,2-Dichloroethane	0.391	0.390		-0.26	
Trichloroethene	0.350	0.355		1.43	
1,2-Dichloropropane	0.338	0.344		1.77	
Bromodichloromethane	0.482	0.491		1.87	
4-Methyl-2-Pentanone	0.233	0.243		4.29	
Toluene	0.899	0.903		0.44	
t-1,3-Dichloropropene	0.452	0.461		1.99	
cis-1,3-Dichloropropene	0.526	0.537		2.09	
1,1,2-Trichloroethane	0.243	0.242		-0.41	
2-Hexanone	0.156	0.162		3.85	
Dibromochloromethane	0.308	0.314		1.95	
1,2-Dibromoethane	0.221	0.223		0.9	
Tetrachloroethene	0.430	0.437		1.63	
Chlorobenzene	1.106	1.116		0.9	

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

Raw Data: **VY022494.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SCAL01

Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG No.: Q2161

Instrument ID: MSVOA_Y Calibration Date/Time: 06/02/2025 12:54

Lab File ID: VY022494.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.052	2.083		1.51	
m/p-Xylenes	0.778	0.785		0.9	
o-Xylene	0.729	0.734		0.69	
Styrene	1.206	1.233		2.24	
Bromoform	0.198	0.201		1.51	
Isopropylbenzene	4.105	4.136		0.75	
1,1,2,2-Tetrachloroethane	0.674	0.682		1.19	
1,3-Dichlorobenzene	1.755	1.733		-1.25	
1,4-Dichlorobenzene	1.702	1.701		-0.06	
1,2-Dichlorobenzene	1.490	1.512		1.48	
1,2-Dibromo-3-Chloropropane	0.098	0.105		7.14	
1,2,4-Trichlorobenzene	0.813	0.817		0.49	
1,2,3-Trichlorobenzene	0.697	0.699		0.29	
1,2-Dichloroethane-d4	0.559	0.591		5.72	
Dibromofluoromethane	0.298	0.321		7.72	
Toluene-d8	1.206	1.279		6.05	
4-Bromofluorobenzene	0.359	0.372		3.62	

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_Y\Data\VY060225\
Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	209963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	350947	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	298187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	139554	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	124098	54.320	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.640%			
35) Dibromofluoromethane	7.640	113	112624	54.514	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.020%			
50) Toluene-d8	10.109	98	448690	53.734	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.460%			
62) 4-Bromofluorobenzene	12.408	95	130393	51.503	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	86654	47.230	ug/l	100
3) Chloromethane	2.068	50	258324	47.727	ug/l	100
4) Vinyl Chloride	2.202	62	314332	49.618	ug/l	100
5) Bromomethane	2.598	94	260442	43.463	ug/l	100
6) Chloroethane	2.739	64	202595	46.711	ug/l	100
7) Trichlorofluoromethane	3.056	101	257006	47.749	ug/l	100
8) Diethyl Ether	3.464	74	61045	51.349	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	112910	50.009	ug/l	100
10) Methyl Iodide	4.007	142	135237	55.855	ug/l	100
11) Tert butyl alcohol	4.885	59	41304	253.096	ug/l	100
12) 1,1-Dichloroethene	3.800	96	108756	50.463	ug/l	100
13) Acrolein	3.659	56	50388	252.946	ug/l	100
14) Allyl chloride	4.391	41	169258	50.399	ug/l	100
15) Acrylonitrile	5.068	53	132018	261.075	ug/l	100
16) Acetone	3.879	43	121507	269.036	ug/l	100
17) Carbon Disulfide	4.110	76	349342	50.769	ug/l	100
18) Methyl Acetate	4.397	43	69815	51.384	ug/l	100
19) Methyl tert-butyl Ether	5.129	73	308578	51.316	ug/l	100
20) Methylene Chloride	4.623	84	120562	47.810	ug/l	100
21) trans-1,2-Dichloroethene	5.122	96	119917	49.807	ug/l	100
22) Diisopropyl ether	6.025	45	381760	51.120	ug/l	100
23) Vinyl Acetate	5.970	43	1137415	256.734	ug/l	100
24) 1,1-Dichloroethane	5.921	63	222533	50.410	ug/l	100
25) 2-Butanone	6.903	43	176185	264.461	ug/l	100
26) 2,2-Dichloropropane	6.890	77	198763	50.650	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	143210	51.463	ug/l	100
28) Bromochloromethane	7.250	49	95397	50.015	ug/l	100
29) Tetrahydrofuran	7.268	42	109698	255.247	ug/l	100
30) Chloroform	7.427	83	222226	50.944	ug/l	100
31) Cyclohexane	7.707	56	213031	47.951	ug/l	100
32) 1,1,1-Trichloroethane	7.622	97	199103	51.074	ug/l	100
36) 1,1-Dichloropropene	7.841	75	170708	51.116	ug/l	100
37) Ethyl Acetate	6.994	43	80426	54.721	ug/l	100
38) Carbon Tetrachloride	7.823	117	178292	51.787	ug/l	100
39) Methylcyclohexane	9.116	83	230536	51.100	ug/l	100
40) Benzene	8.085	78	505749	51.376	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	43865	46.342	ug/l		100
42) 1,2-Dichloroethane	8.165	62	136876	51.114	ug/l		100
43) Isopropyl Acetate	8.201	43	167771	52.237	ug/l		100
44) Trichloroethene	8.866	130	124670	51.843	ug/l		100
45) 1,2-Dichloropropane	9.146	63	120660	51.415	ug/l		100
46) Dibromomethane	9.231	93	67690	51.485	ug/l		100
47) Bromodichloromethane	9.427	83	172341	51.664	ug/l		100
48) Methyl methacrylate	9.225	41	77885	52.963	ug/l		100
49) 1,4-Dioxane	9.244	88	15334	977.637	ug/l		100
51) 4-Methyl-2-Pentanone	10.000	43	425868	267.154	ug/l		100
52) Toluene	10.176	92	316972	51.213	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	161859	52.450	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	188559	52.108	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	84788	51.209	ug/l		100
56) Ethyl methacrylate	10.445	69	127271	52.930	ug/l		100
57) 1,3-Dichloropropane	10.719	76	152809	51.821	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	279669	260.896	ug/l		100
59) 2-Hexanone	10.762	43	283601	266.885	ug/l		100
60) Dibromochloromethane	10.914	129	110314	52.582	ug/l		100
61) 1,2-Dibromoethane	11.018	107	78151	51.150	ug/l		100
64) Tetrachloroethene	10.652	164	130171	51.367	ug/l		100
65) Chlorobenzene	11.444	112	332645	51.447	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	112934	51.526	ug/l		100
67) Ethyl Benzene	11.518	91	621031	51.577	ug/l		100
68) m/p-Xylenes	11.633	106	468441	102.795	ug/l		100
69) o-Xylene	11.957	106	218760	51.293	ug/l		100
70) Styrene	11.969	104	367553	52.052	ug/l		100
71) Bromoform	12.133	173	59888	51.996	ug/l	#	100
73) Isopropylbenzene	12.255	105	577133	51.329	ug/l		100
74) N-amyl acetate	12.072	43	149637	52.627	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	95218	52.145	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	87965m	47.747	ug/l		
77) Bromobenzene	12.536	156	121092	50.812	ug/l		100
78) n-propylbenzene	12.597	91	707143	51.667	ug/l		100
79) 2-Chlorotoluene	12.682	91	373402	51.670	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	455006	51.754	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	32630	50.780	ug/l		100
82) 4-Chlorotoluene	12.780	91	387296	51.710	ug/l		100
83) tert-Butylbenzene	12.999	119	404519	50.438	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	449372	51.088	ug/l		100
85) sec-Butylbenzene	13.176	105	623185	51.250	ug/l		100
86) p-Isopropyltoluene	13.292	119	510026	51.018	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	241816	50.717	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	237429	51.108	ug/l		100
89) n-Butylbenzene	13.621	91	493153	51.811	ug/l		100
90) Hexachloroethane	13.883	117	99901	51.068	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	211065	51.528	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	14697	53.244	ug/l		100
93) 1,2,4-Trichlorobenzene	14.919	180	114007	50.919	ug/l		100
94) Hexachlorobutadiene	15.023	225	62434	51.054	ug/l		100
95) Naphthalene	15.145	128	226073	52.686	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	97609	51.295	ug/l		100

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Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
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Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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Supervised By :Mahesh Dadoda 06/03/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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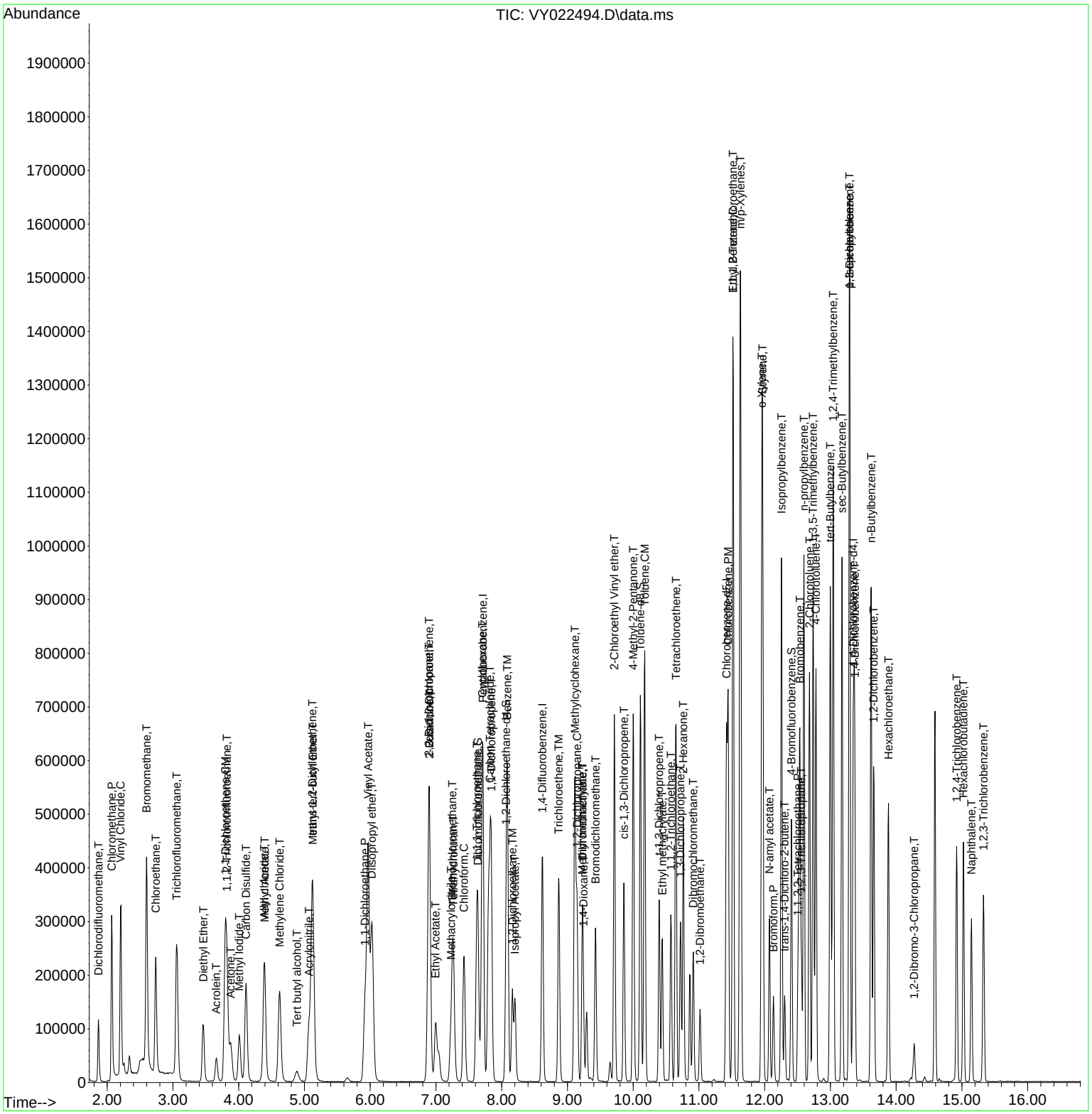

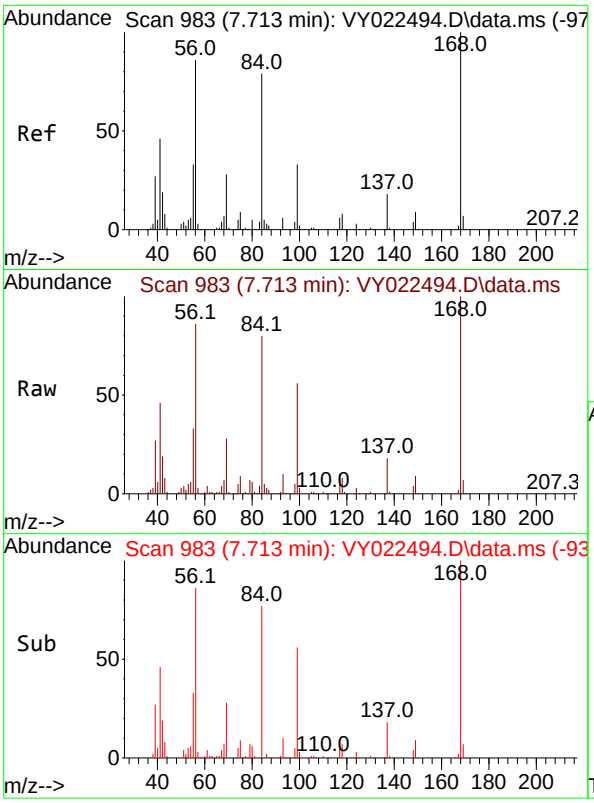

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:168 Resp: 20996

Ion	Ratio	Lower	Upper
168	100		
99	55.4	44.3	66.5

Instrument :
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ClientSampleId :
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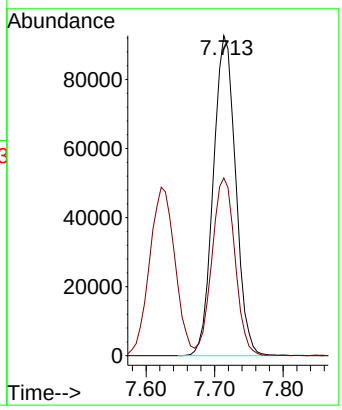
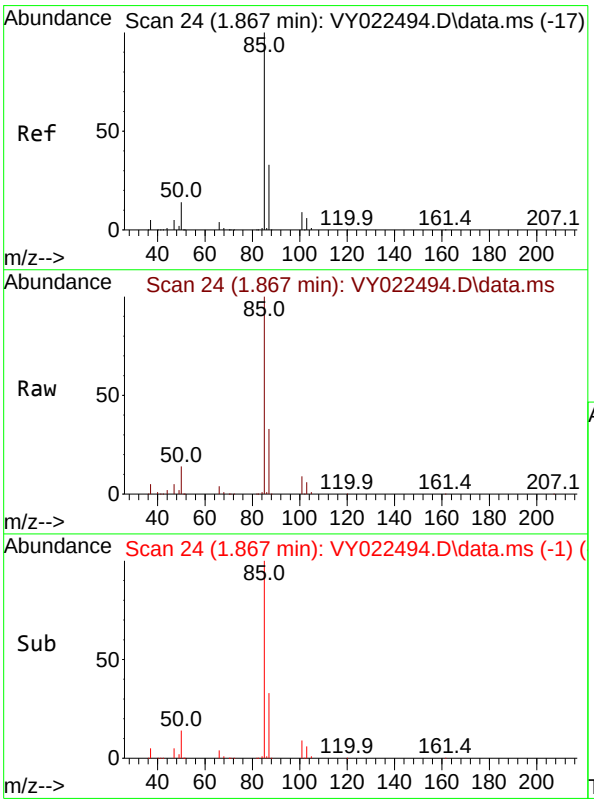
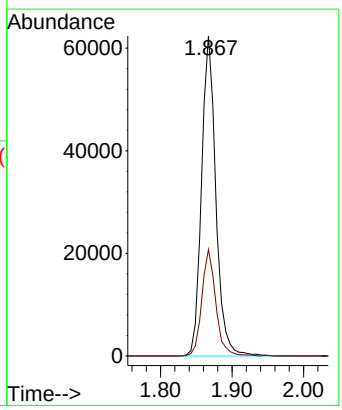


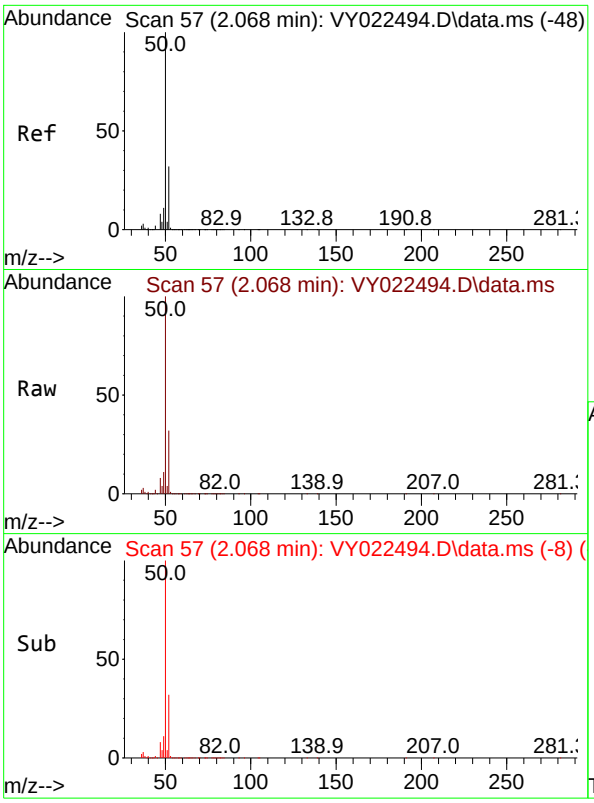


#2
Dichlorodifluoromethane
Concen: 47.230 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 85 Resp: 86654

Ion	Ratio	Lower	Upper
85	100		
87	33.3	16.7	50.0





#3
Chloromethane
Concen: 47.727 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 50 Resp: 25832

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.0	39.0

Instrument :
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ClientSampleId :
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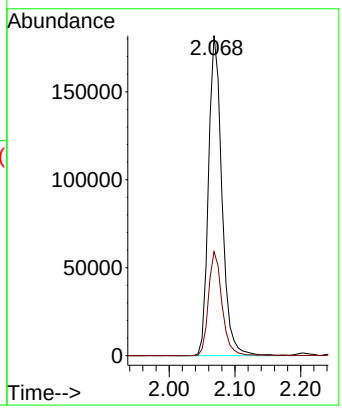
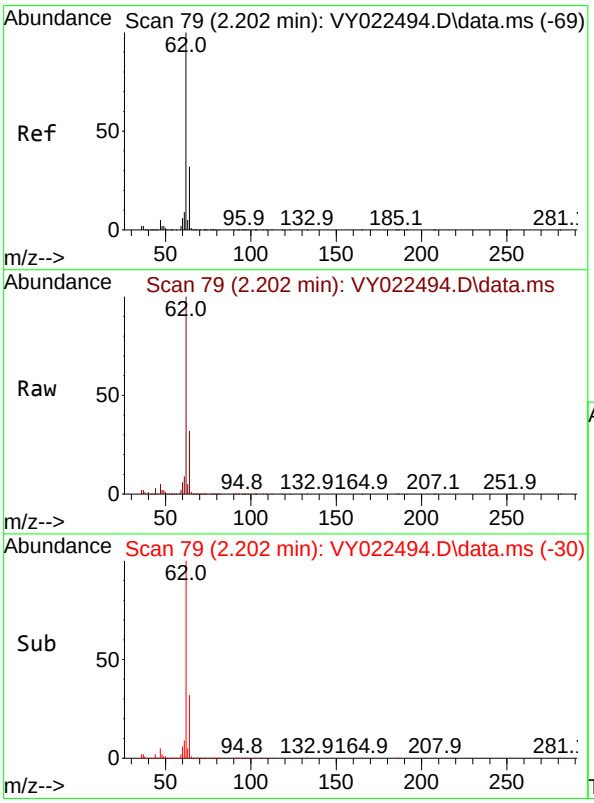
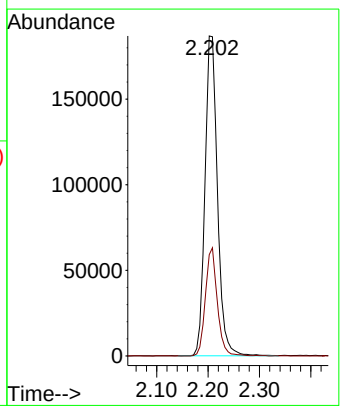


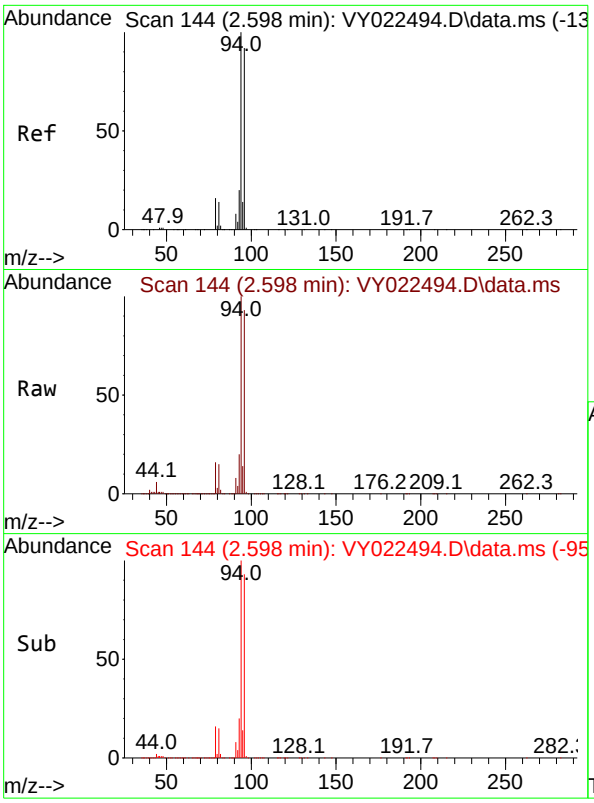


#4
Vinyl Chloride
Concen: 49.618 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 62 Resp: 314332

Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.3	37.9

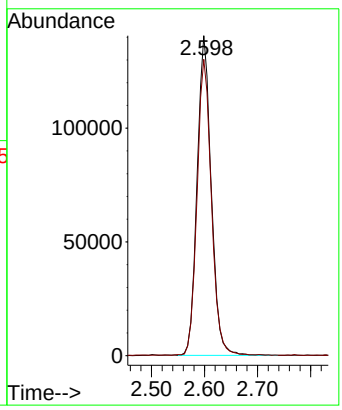




#5
Bromomethane
Concen: 43.463 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 94 Resp: 26044

Ion	Ratio	Lower	Upper
94	100		
96	92.5	74.0	111.0



Instrument :
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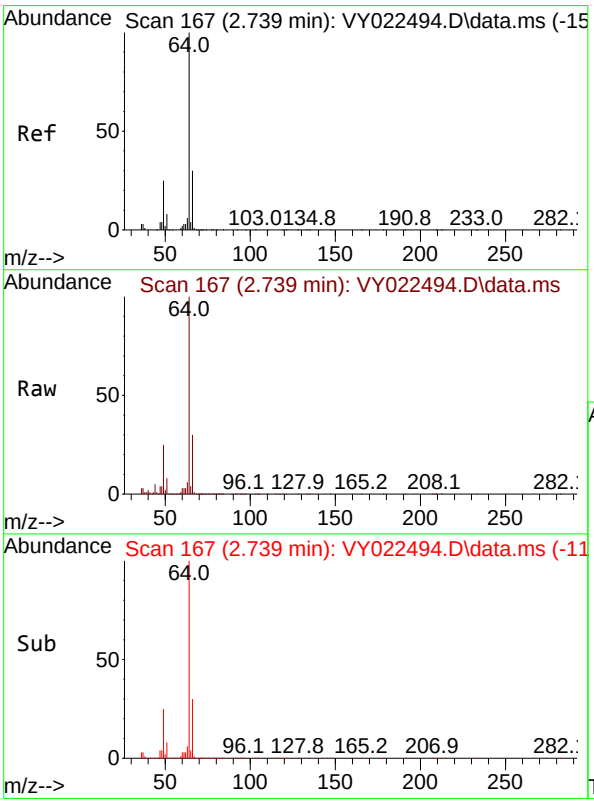
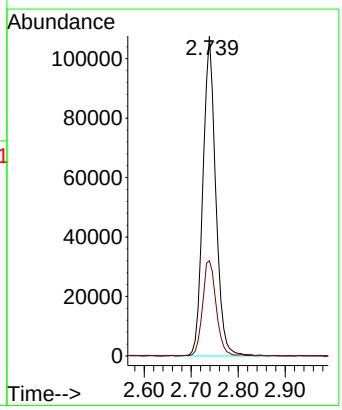
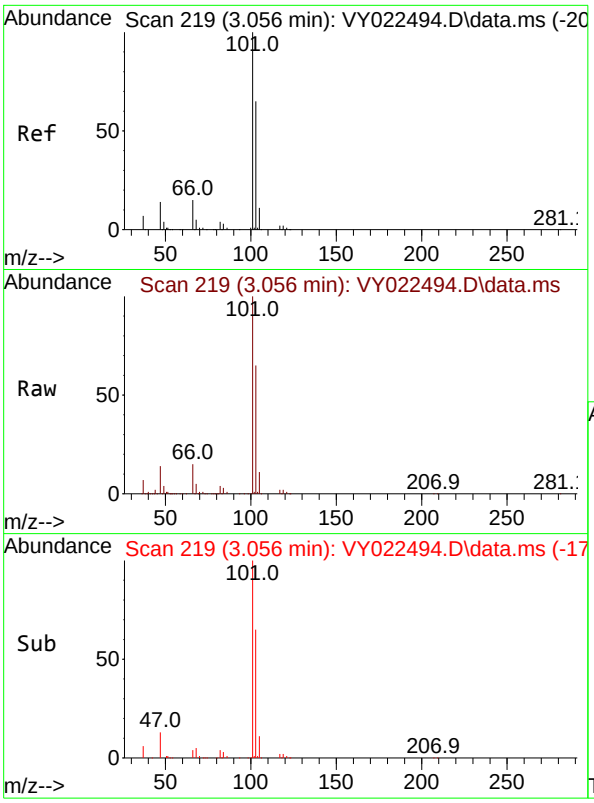


#6
Chloroethane
Concen: 46.711 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 64 Resp: 202595

Ion	Ratio	Lower	Upper
64	100		
66	29.7	23.8	35.6

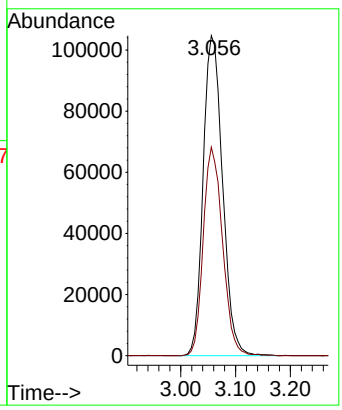




#7
Trichlorofluoromethane
Concen: 47.749 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:101 Resp: 25700

Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.2	78.2



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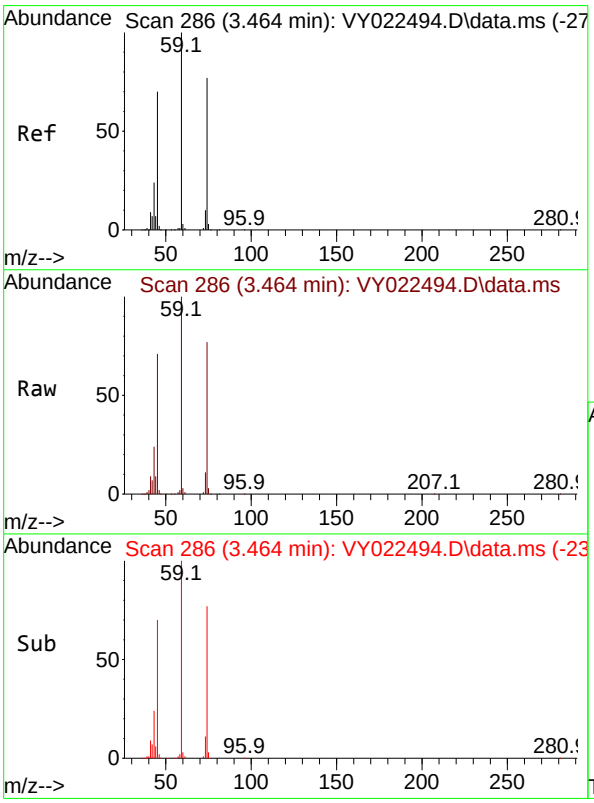
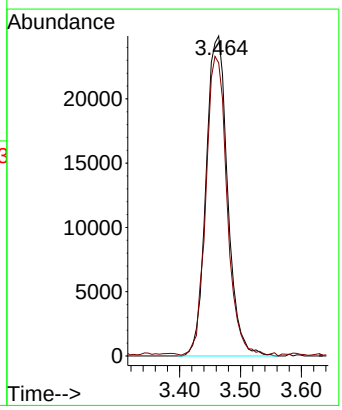
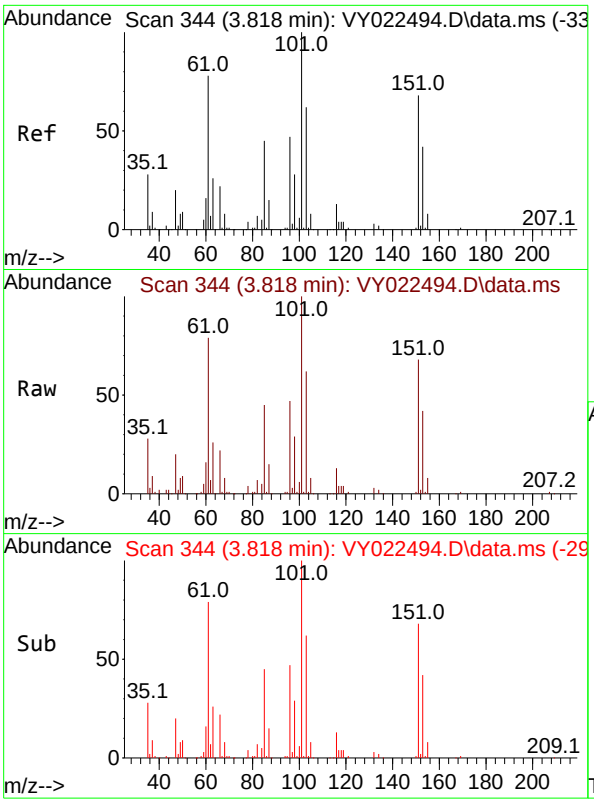


#8
Diethyl Ether
Concen: 51.349 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 74 Resp: 61045

Ion	Ratio	Lower	Upper
74	100		
45	91.7	45.9	137.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.009 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:101 Resp: 11291

Ion	Ratio	Lower	Upper
101	100		
85	49.1	39.3	58.9
151	72.3	57.8	86.8

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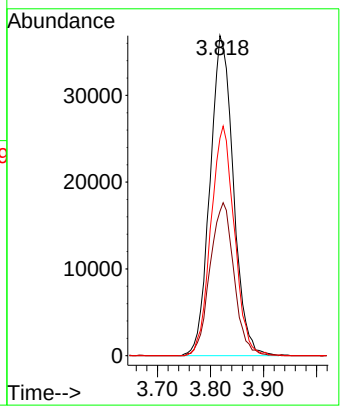
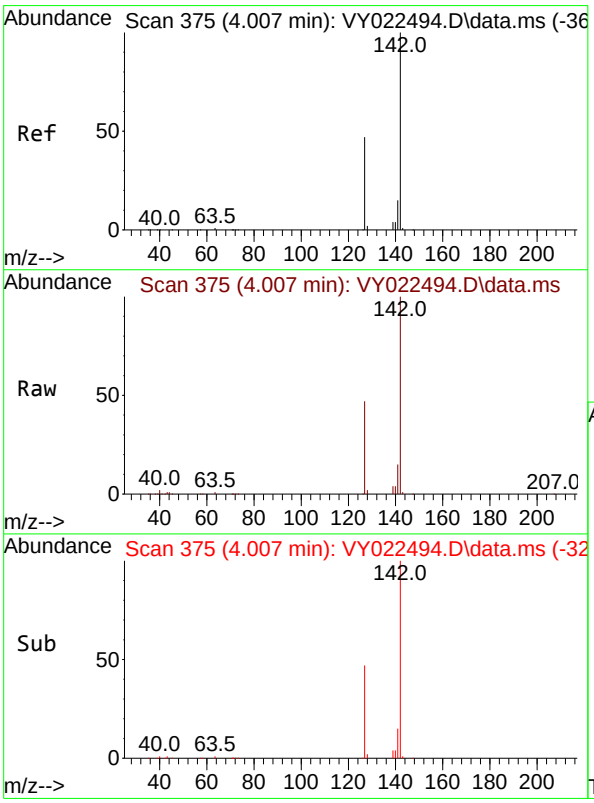
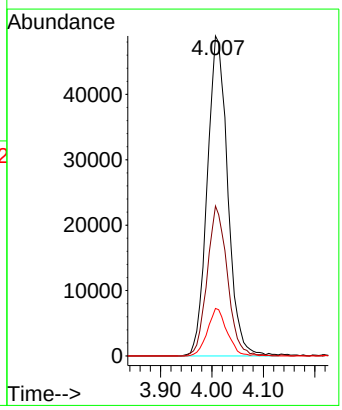


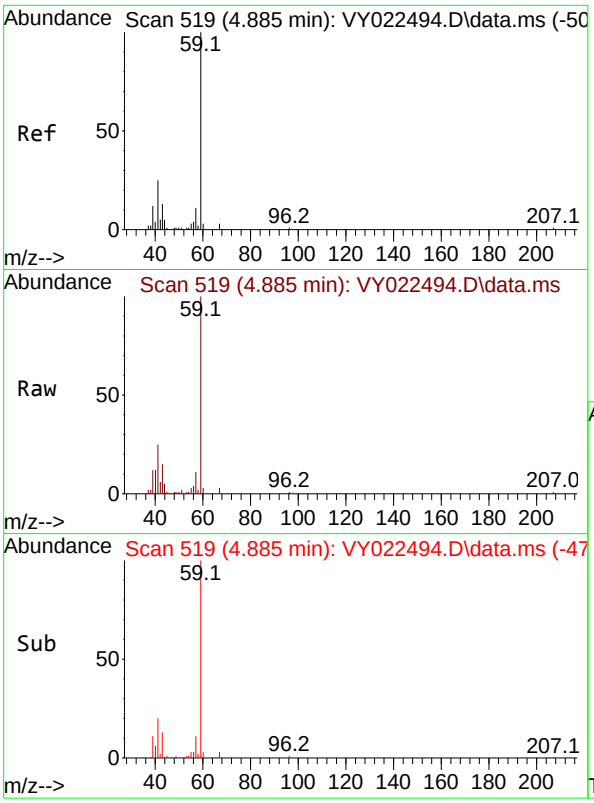


#10
Methyl Iodide
Concen: 55.855 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:142 Resp: 135237

Ion	Ratio	Lower	Upper
142	100		
127	46.4	37.1	55.7
141	14.3	11.4	17.2





#11
Tert butyl alcohol
Concen: 253.096 ug/l
RT: 4.885 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 59 Resp: 4130

Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.0	12.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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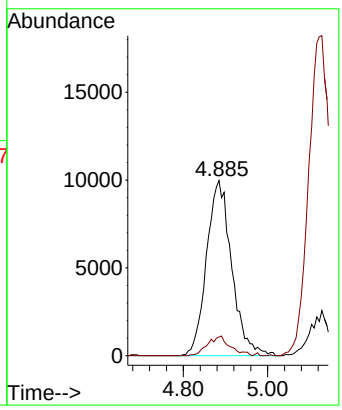
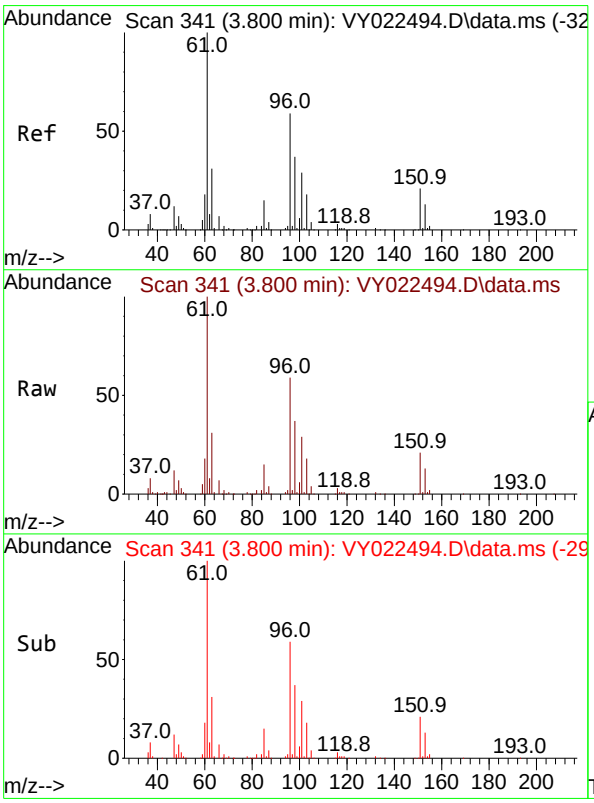
Supervised By :Mahesh Dadoda 06/03/2025

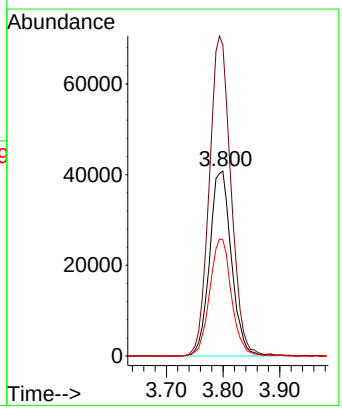


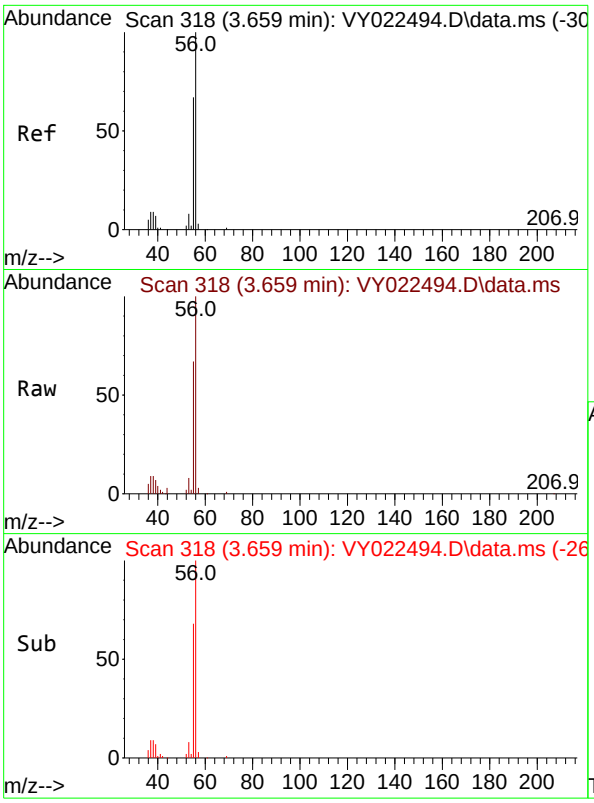


#12
1,1-Dichloroethene
Concen: 50.463 ug/l
RT: 3.800 min Scan# 341
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 96 Resp: 108756

Ion	Ratio	Lower	Upper
96	100		
61	168.2	134.6	201.8
98	62.8	50.2	75.4

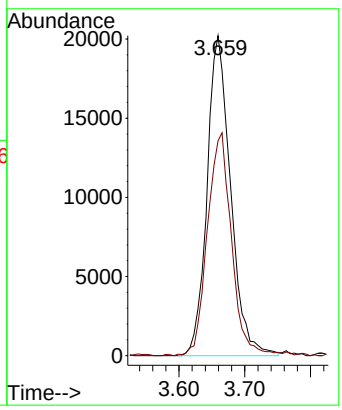




#13
Acrolein
Concen: 252.946 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 56 Resp: 5038

Ion	Ratio	Lower	Upper
56	100		
55	71.3	57.0	85.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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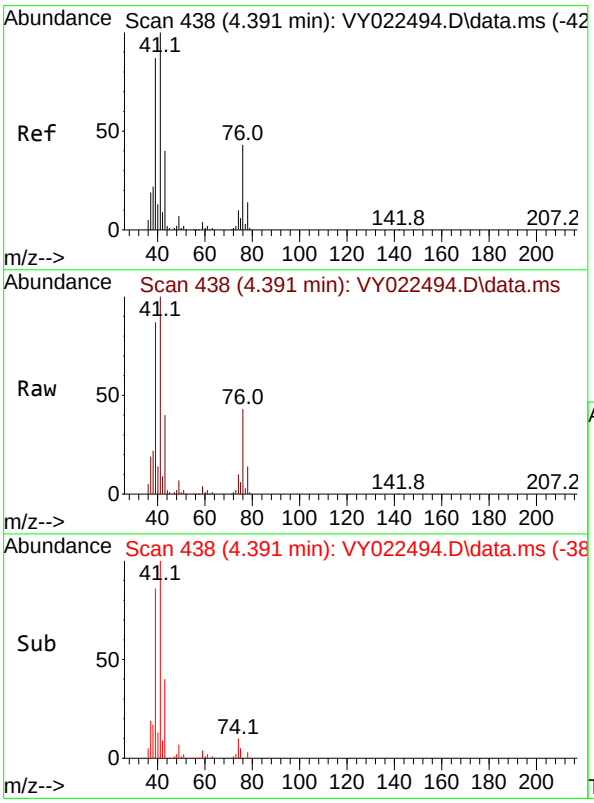
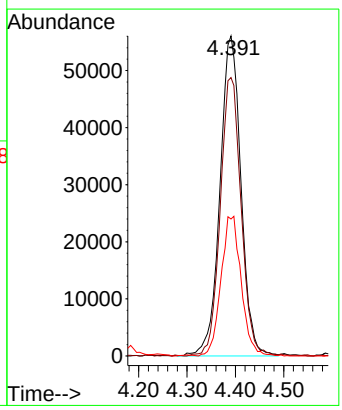
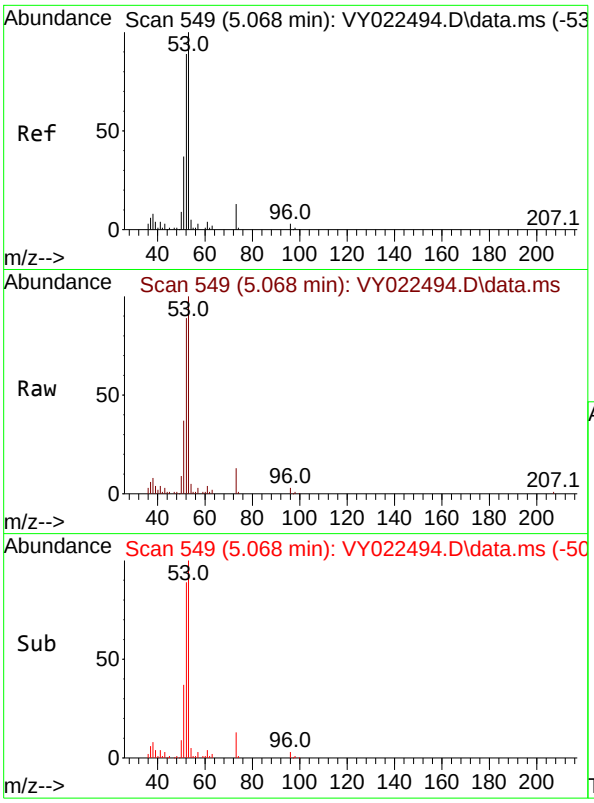


#14
Allyl chloride
Concen: 50.399 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 41 Resp: 169258

Ion	Ratio	Lower	Upper
41	100		
39	86.4	69.1	103.7
76	41.9	33.5	50.3





#15
Acrylonitrile
Concen: 261.075 ug/l
RT: 5.068 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 53 Resp: 13201

Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.7	98.5
51	37.6	30.1	45.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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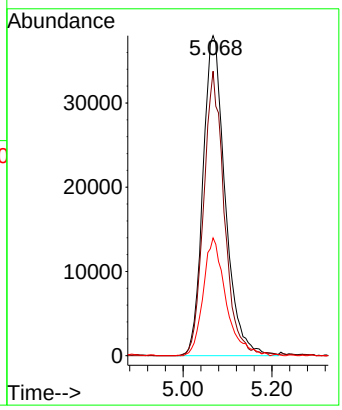
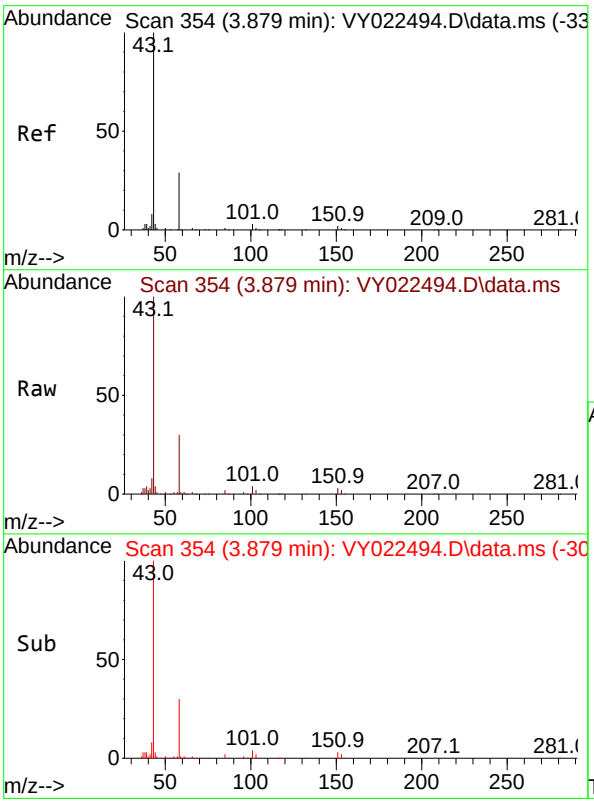
Supervised By :Mahesh Dadoda 06/03/2025

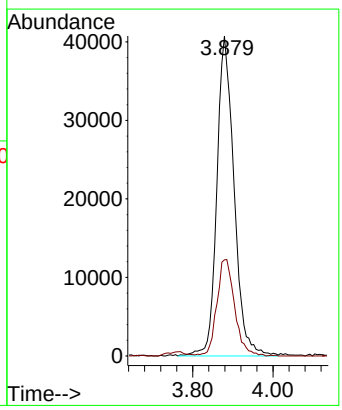


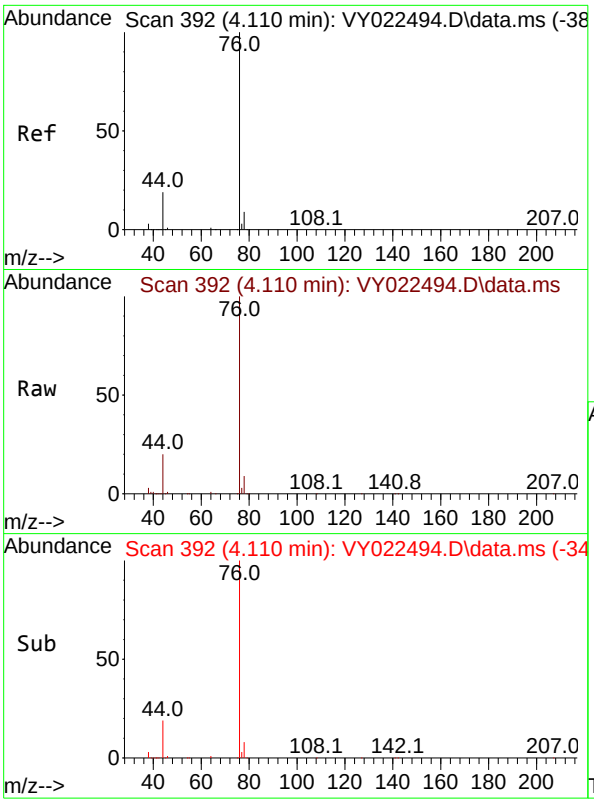


#16
Acetone
Concen: 269.036 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 121507

Ion	Ratio	Lower	Upper
43	100		
58	30.0	24.0	36.0





#17
Carbon Disulfide
Concen: 50.769 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 76 Resp: 34934

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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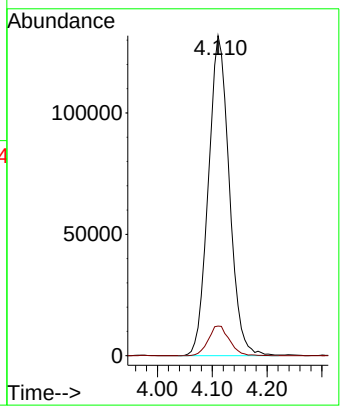
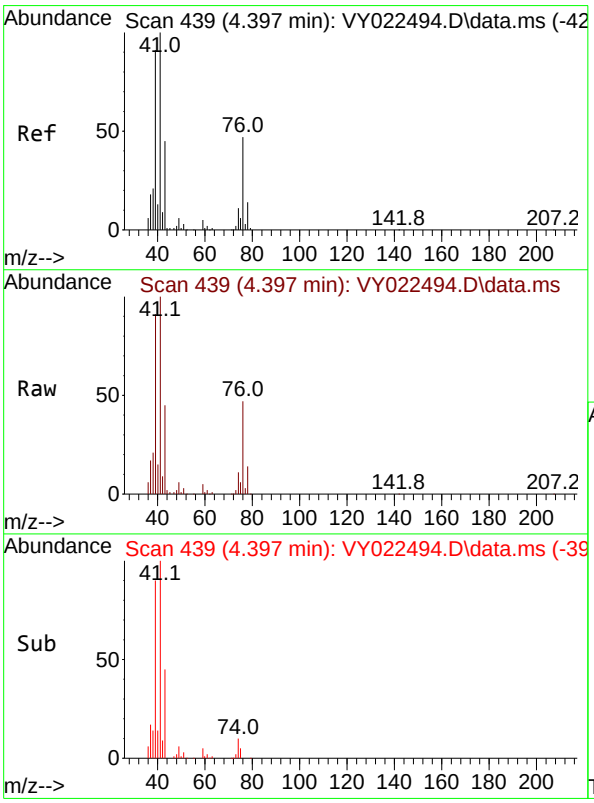
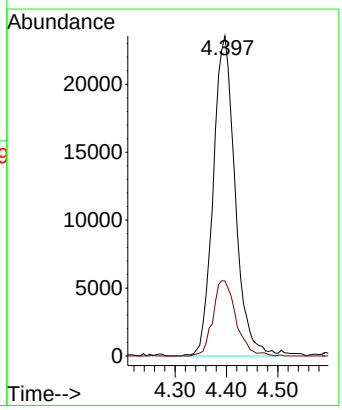


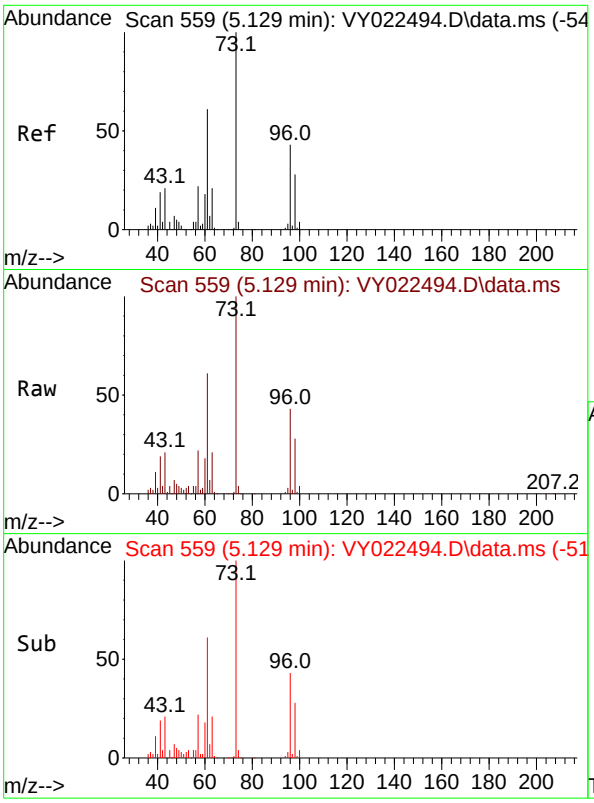


#18
Methyl Acetate
Concen: 51.384 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 69815

Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.8	29.6

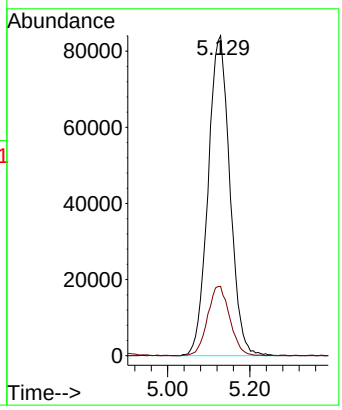




#19
Methyl tert-butyl Ether
Concen: 51.316 ug/l
RT: 5.129 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 73 Resp: 30857

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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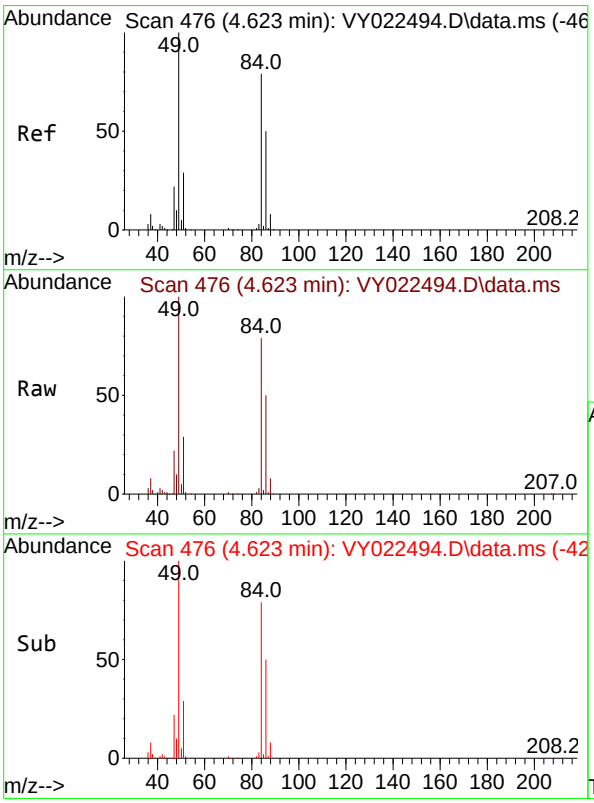
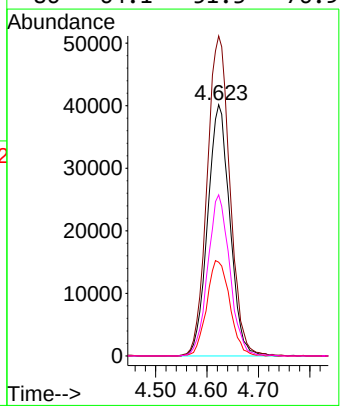
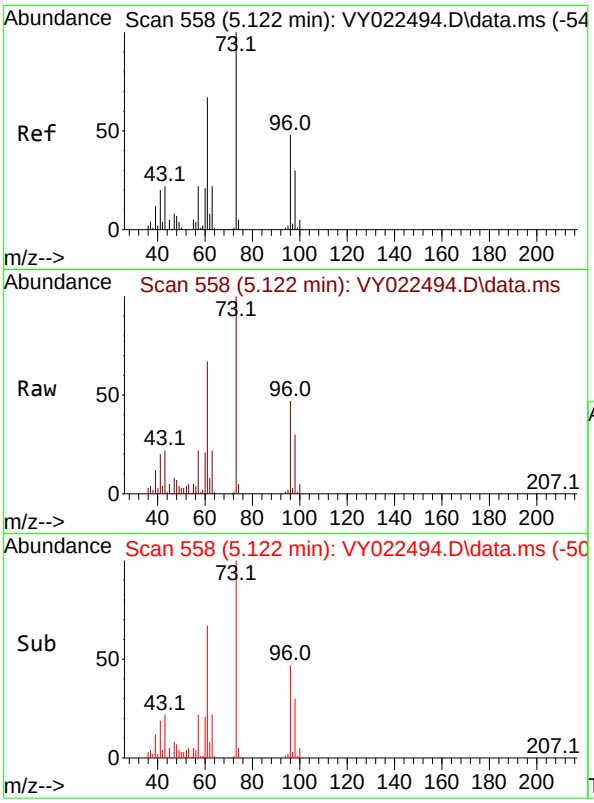


#20
Methylene Chloride
Concen: 47.810 ug/l
RT: 4.623 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 84 Resp: 120562

Ion	Ratio	Lower	Upper
84	100		
49	127.4	101.9	152.9
51	37.3	29.8	44.8
86	64.1	51.3	76.9

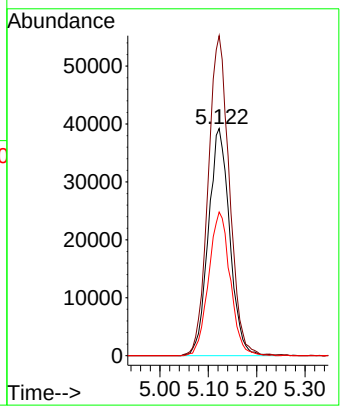




#21
trans-1,2-Dichloroethene
Concen: 49.807 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 96 Resp: 11991

Ion	Ratio	Lower	Upper
96	100		
61	140.8	112.6	169.0
98	63.2	50.6	75.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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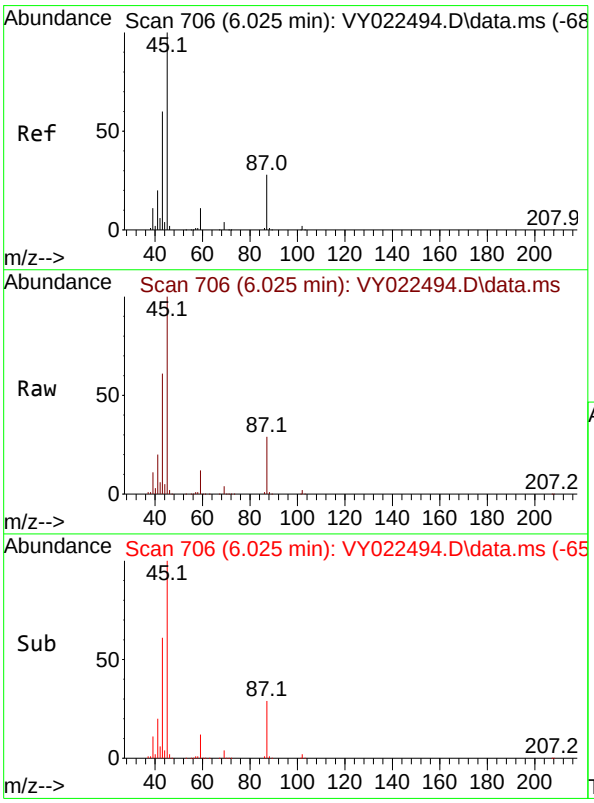
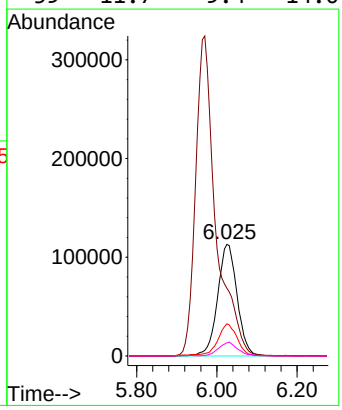
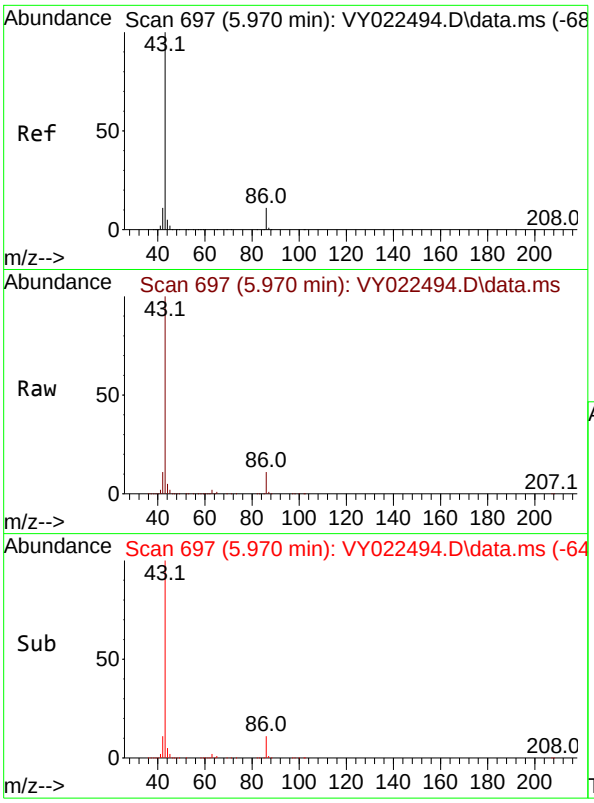


#22
Diisopropyl ether
Concen: 51.120 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 45 Resp: 381760

Ion	Ratio	Lower	Upper
45	100		
43	60.4	48.3	72.5
87	28.8	23.0	34.6
59	11.7	9.4	14.0

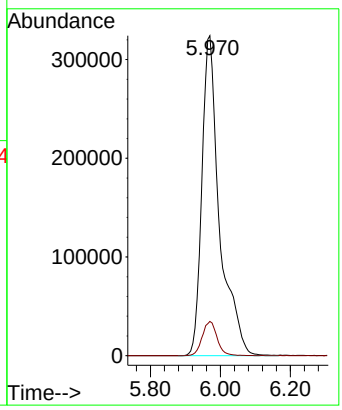




#23
Vinyl Acetate
Concen: 256.734 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 113741

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.6	12.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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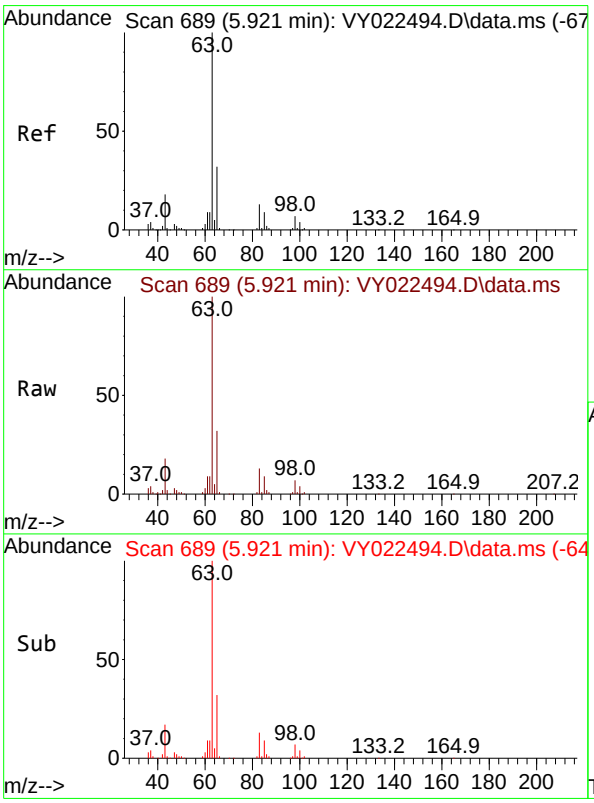
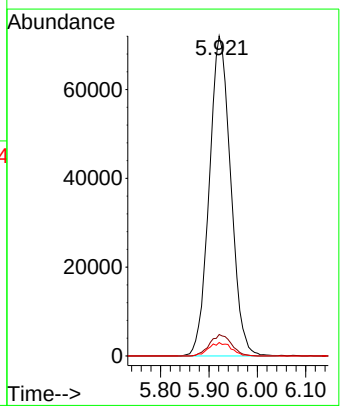
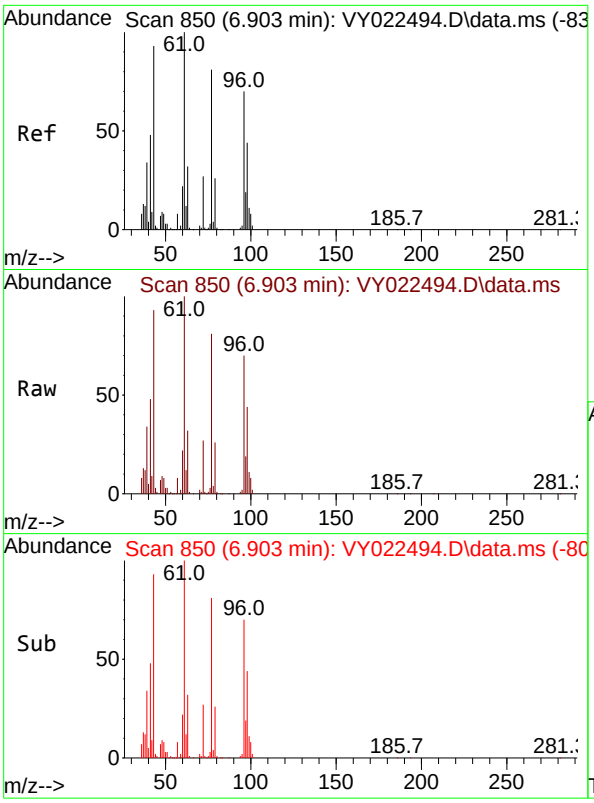


#24
1,1-Dichloroethane
Concen: 50.410 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 63 Resp: 222533

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.1
100	4.2	2.1	6.3





#25
2-Butanone
Concen: 264.461 ug/l
RT: 6.903 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 17618

Ion	Ratio	Lower	Upper
43	100		
72	28.6	22.9	34.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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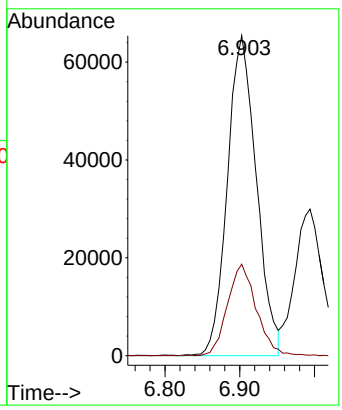
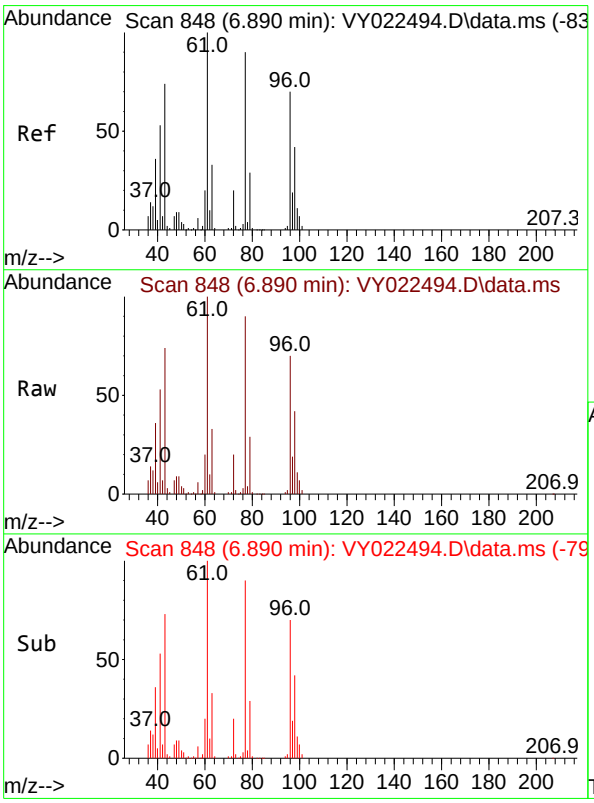
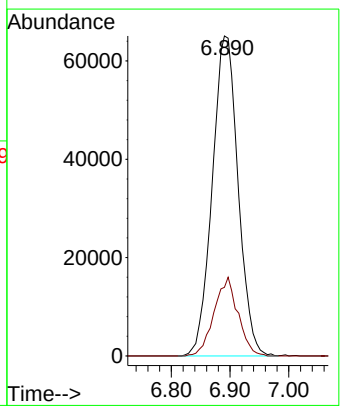


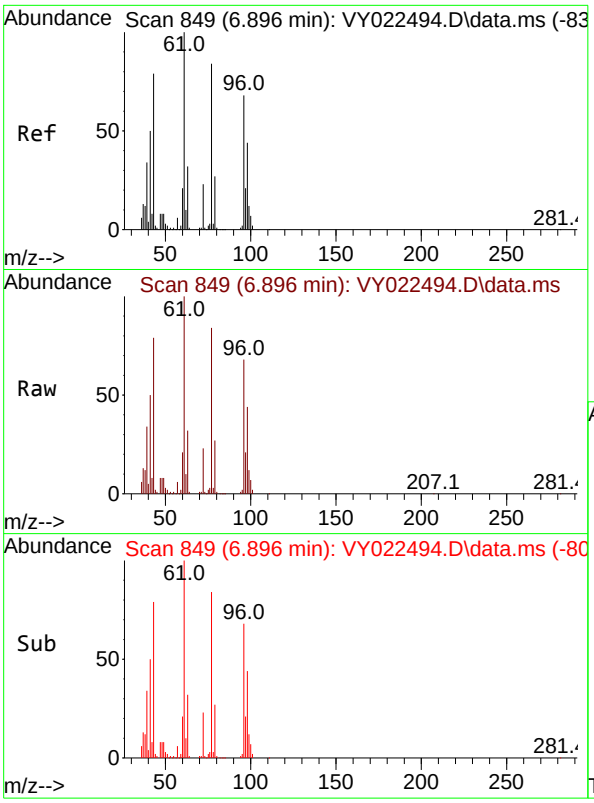


#26
2,2-Dichloropropane
Concen: 50.650 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 77 Resp: 198763

Ion	Ratio	Lower	Upper
77	100		
97	22.8	11.4	34.2





#27
cis-1,2-Dichloroethene
Concen: 51.463 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 96 Resp: 14321

Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	290.0
98	64.2	0.0	128.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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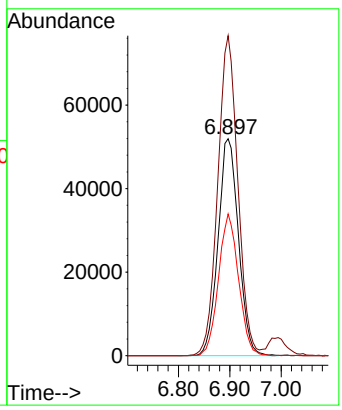
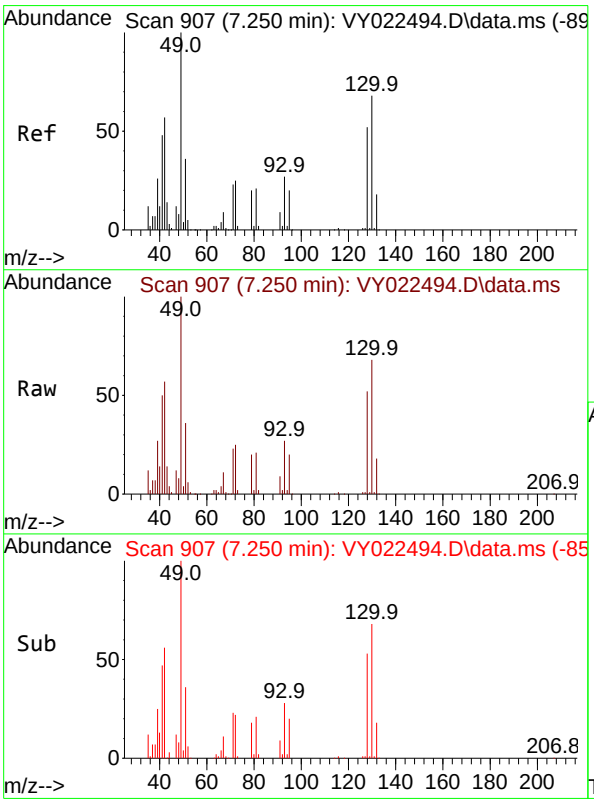
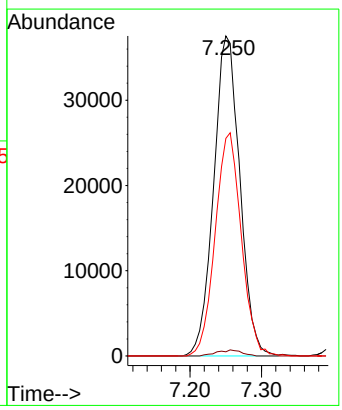


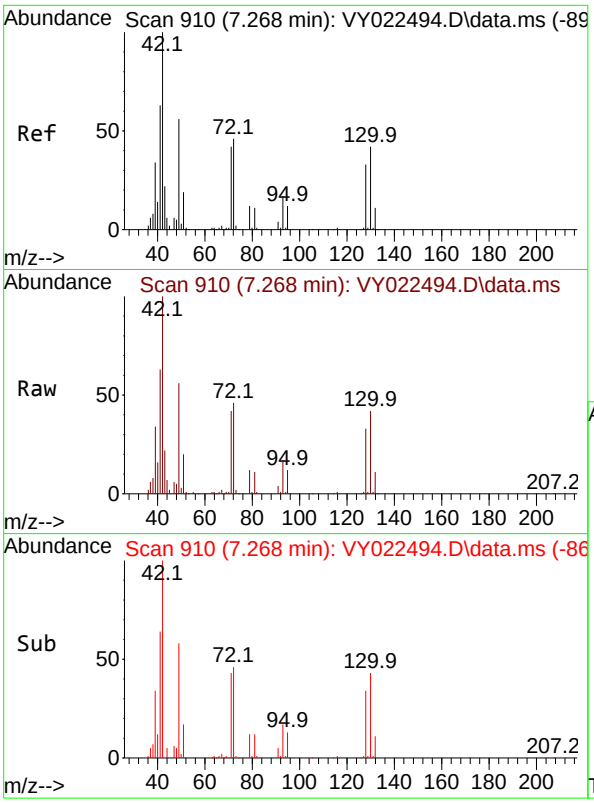


#28
Bromochloromethane
Concen: 50.015 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 49 Resp: 95397

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	69.6	55.7	83.5





#29
Tetrahydrofuran
Concen: 255.247 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 42 Resp: 10969

Ion	Ratio	Lower	Upper
42	100		
72	46.8	37.4	56.2
71	42.7	34.2	51.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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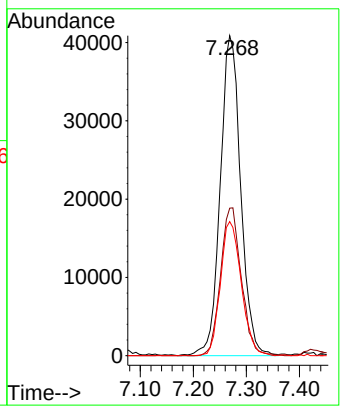
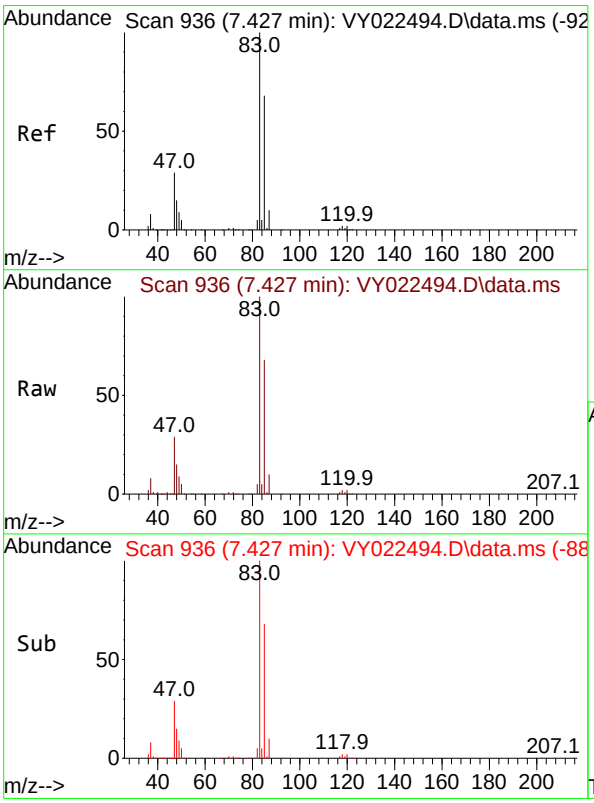
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

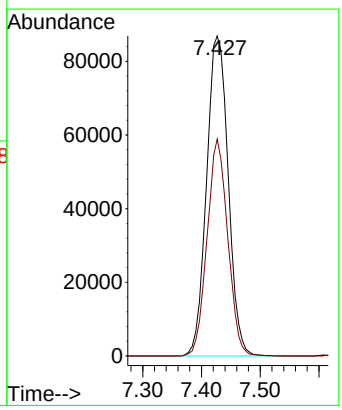


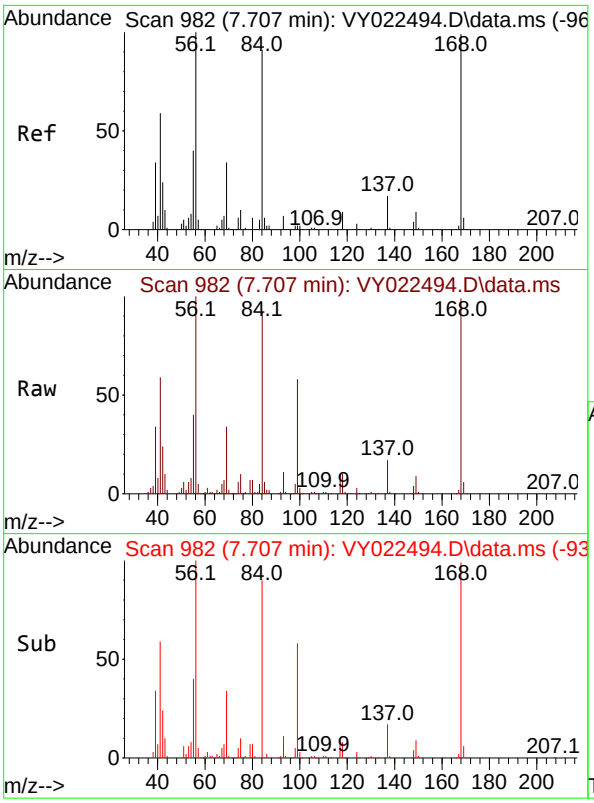


#30
Chloroform
Concen: 50.944 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 83 Resp: 222226

Ion	Ratio	Lower	Upper
83	100		
85	67.8	54.2	81.4





#31
Cyclohexane
Concen: 47.951 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

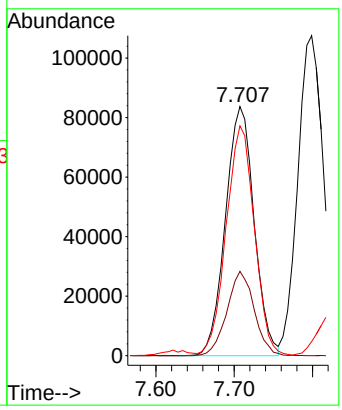
Tgt Ion: 56 Resp: 21303

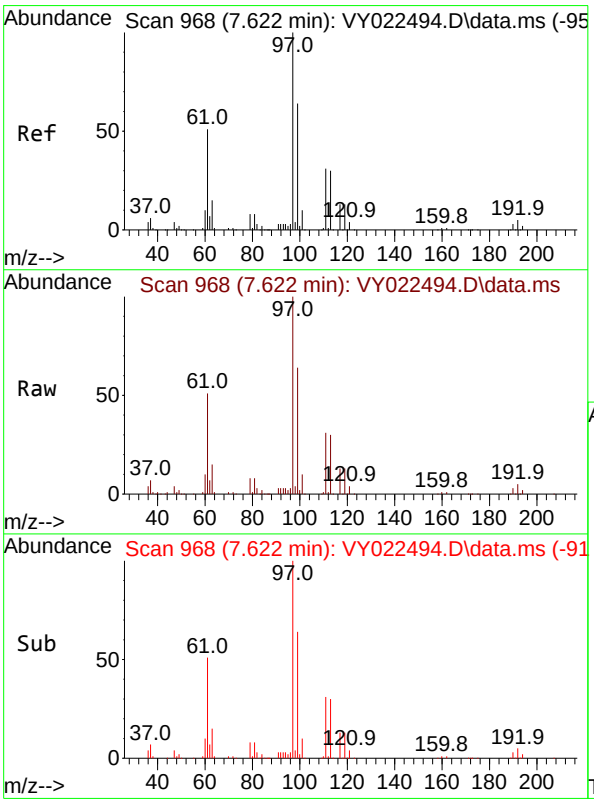
Ion	Ratio	Lower	Upper
56	100		
69	33.8	27.0	40.6
84	90.8	72.6	109.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

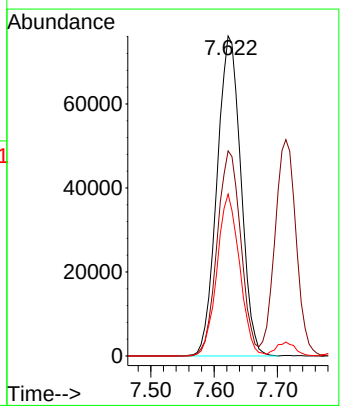


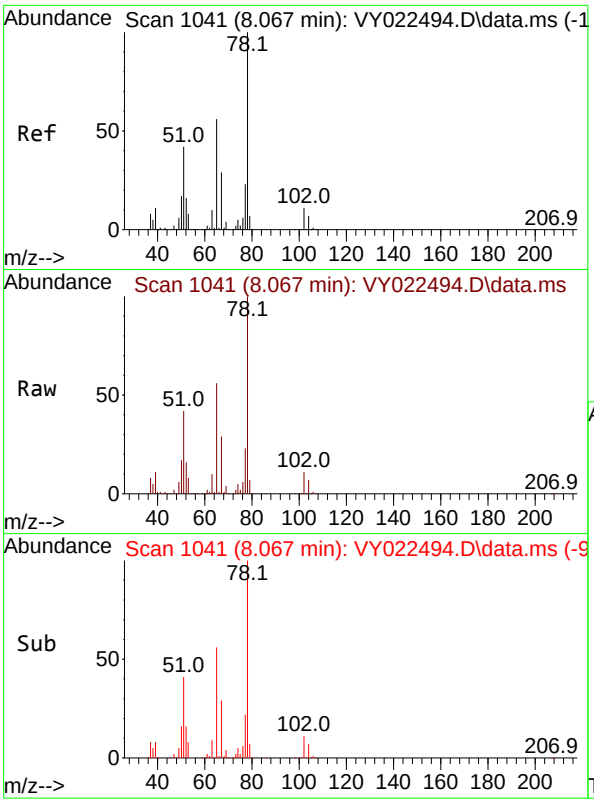


#32
1,1,1-Trichloroethane
Concen: 51.074 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 97 Resp: 199103

Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.9	76.3
61	48.1	38.5	57.7

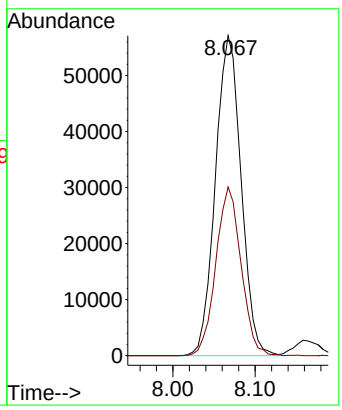




#33
1,2-Dichloroethane-d4
Concen: 54.320 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 65 Resp: 12409

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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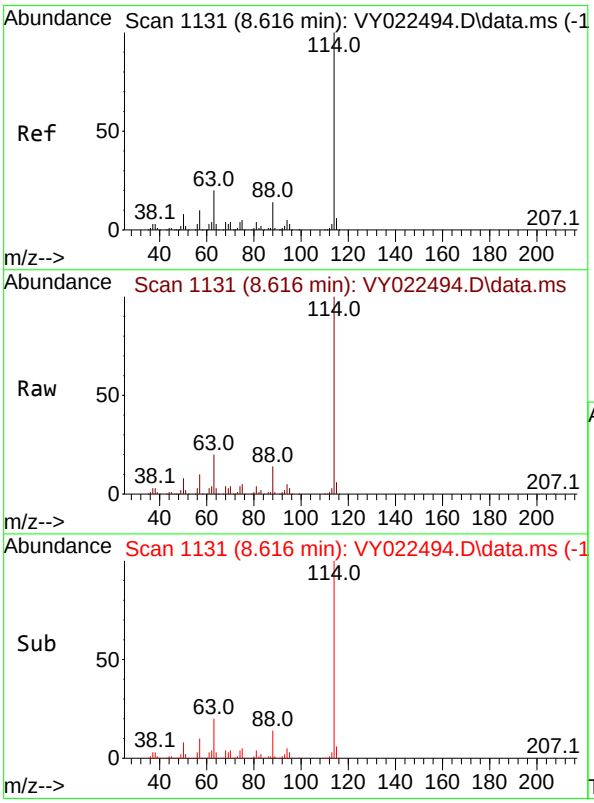
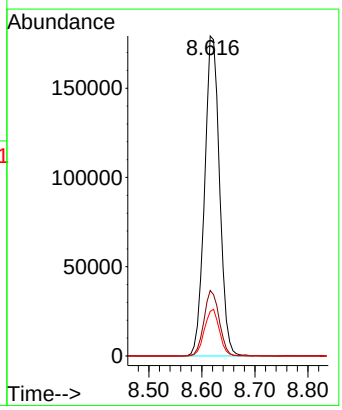
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

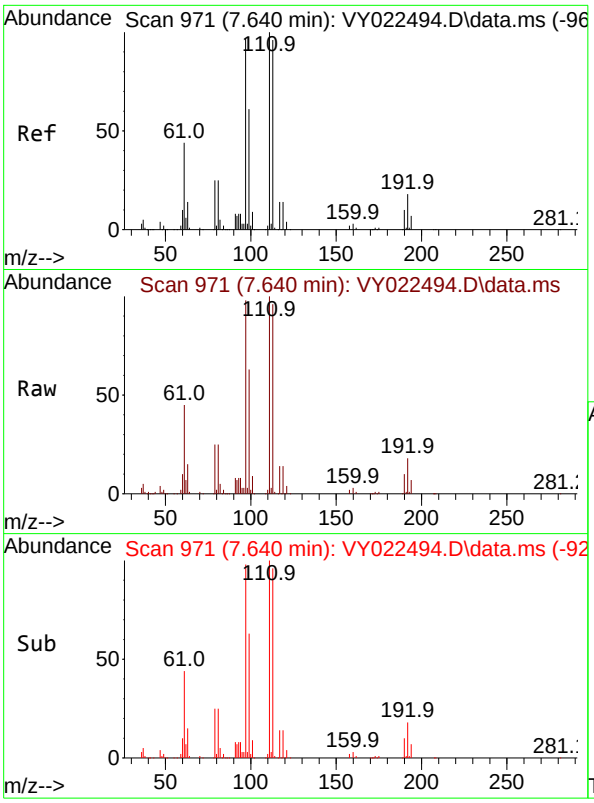


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:114 Resp: 350947

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	13.9	0.0	27.8





#35
Dibromofluoromethane
Concen: 54.514 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

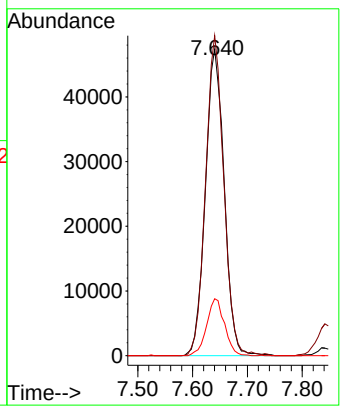
Tgt Ion:113 Resp: 11262

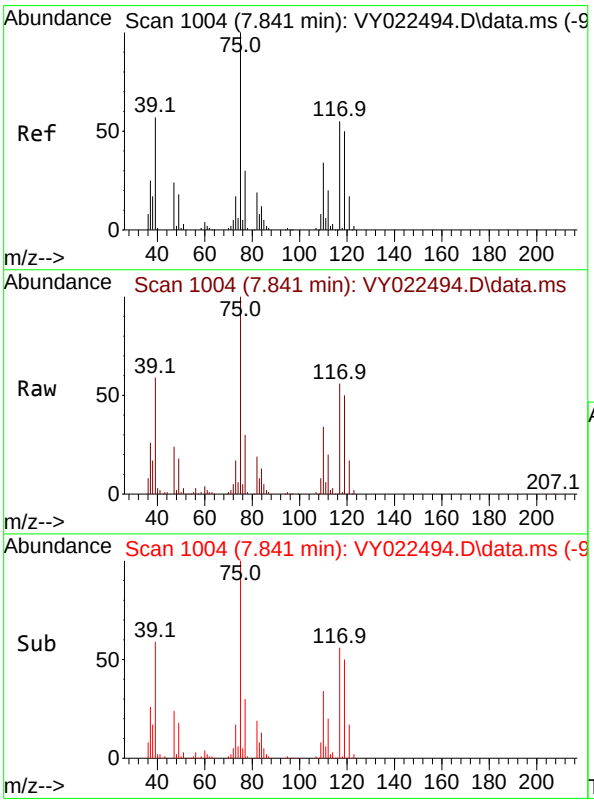
Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.1	121.7
192	17.7	14.2	21.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

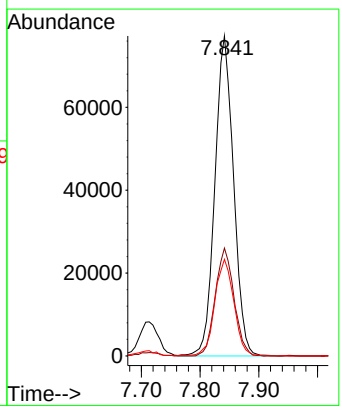


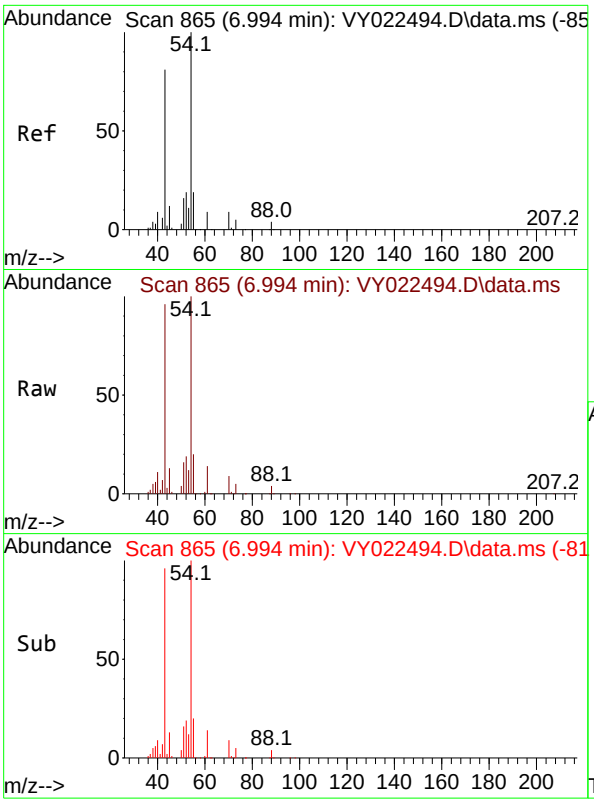


#36
1,1-Dichloropropene
Concen: 51.116 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 75 Resp: 170708

Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.9	50.7
77	31.0	24.8	37.2





#37
Ethyl Acetate
Concen: 54.721 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 8042

Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.5	17.3
70	9.0	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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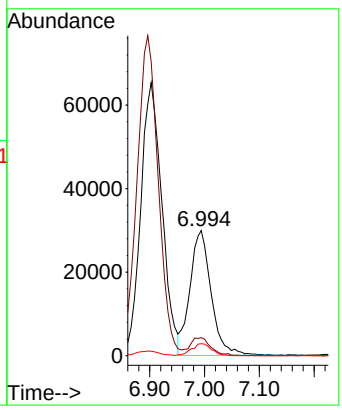
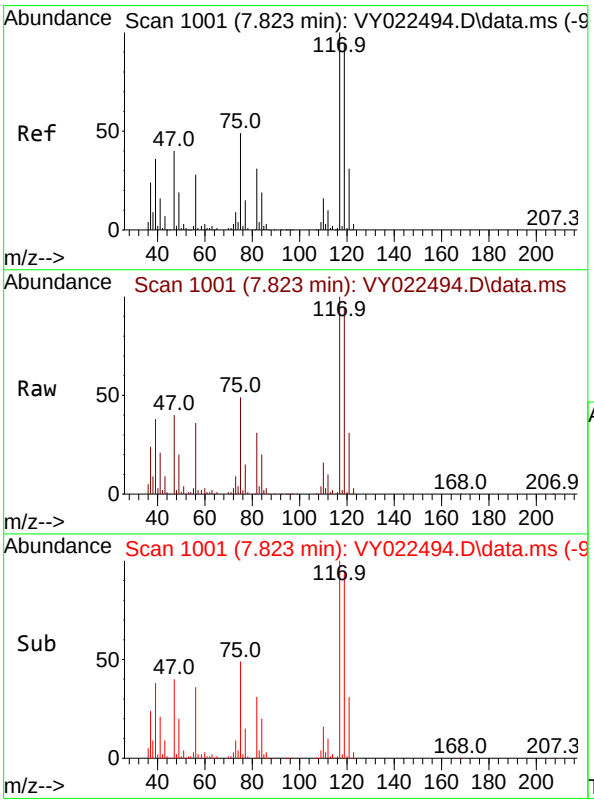
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

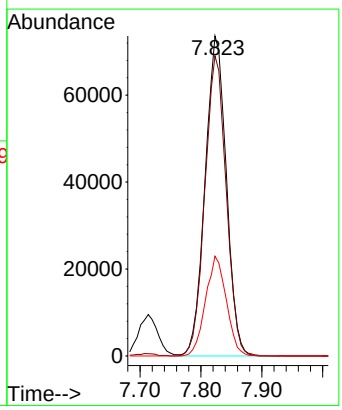


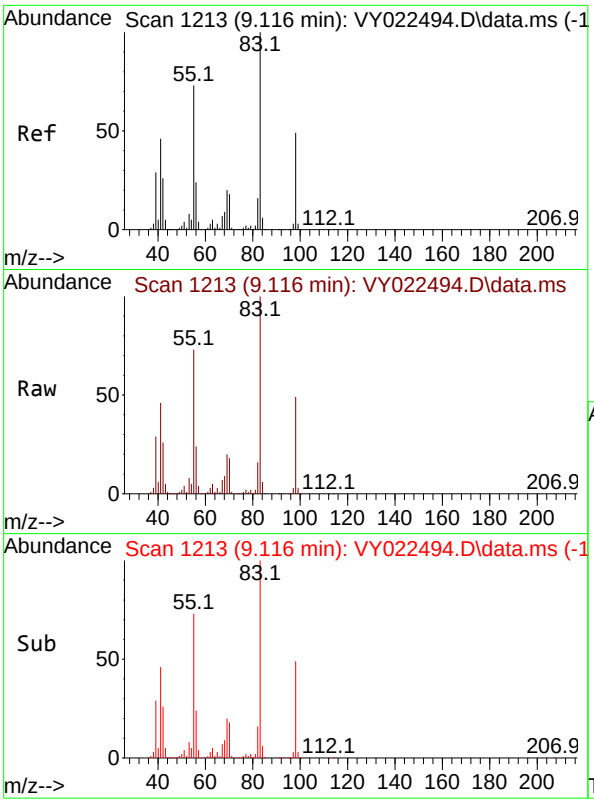


#38
Carbon Tetrachloride
Concen: 51.787 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:117 Resp: 178292

Ion	Ratio	Lower	Upper
117	100		
119	93.8	75.0	112.6
121	31.2	25.0	37.4





#39
Methylcyclohexane
Concen: 51.100 ug/l
RT: 9.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

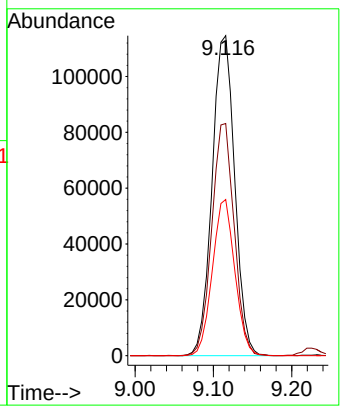
Tgt Ion: 83 Resp: 23053

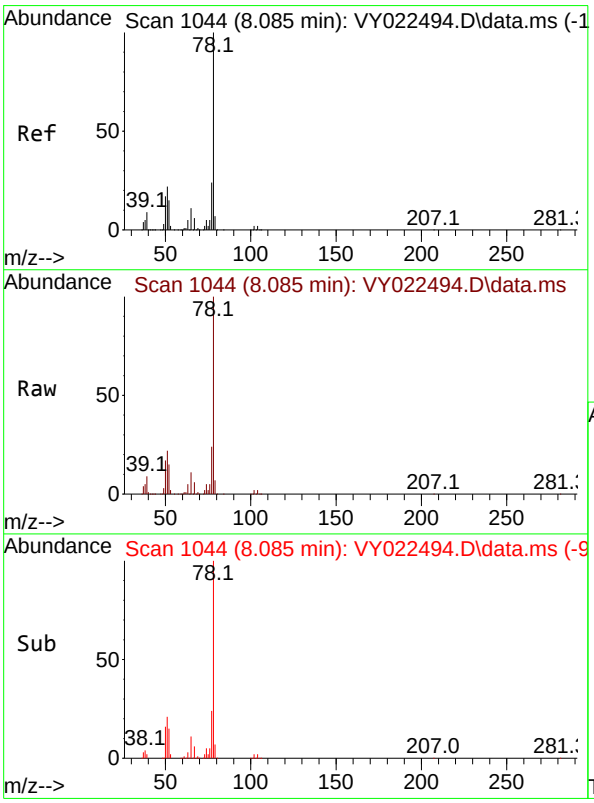
Ion	Ratio	Lower	Upper
83	100		
55	72.6	58.1	87.1
98	48.8	39.0	58.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

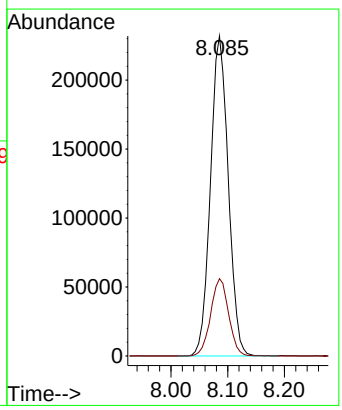


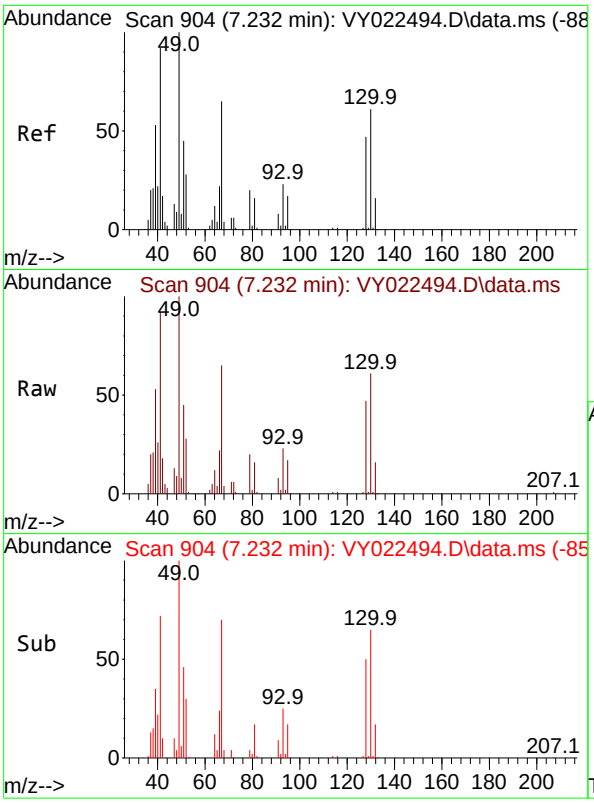


#40
Benzene
Concen: 51.376 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 78 Resp: 505749

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9

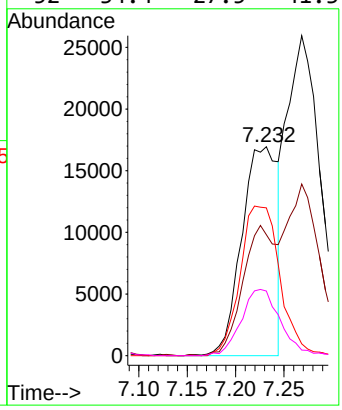




#41
Methacrylonitrile
Concen: 46.342 ug/l
RT: 7.232 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 41 Resp: 4386

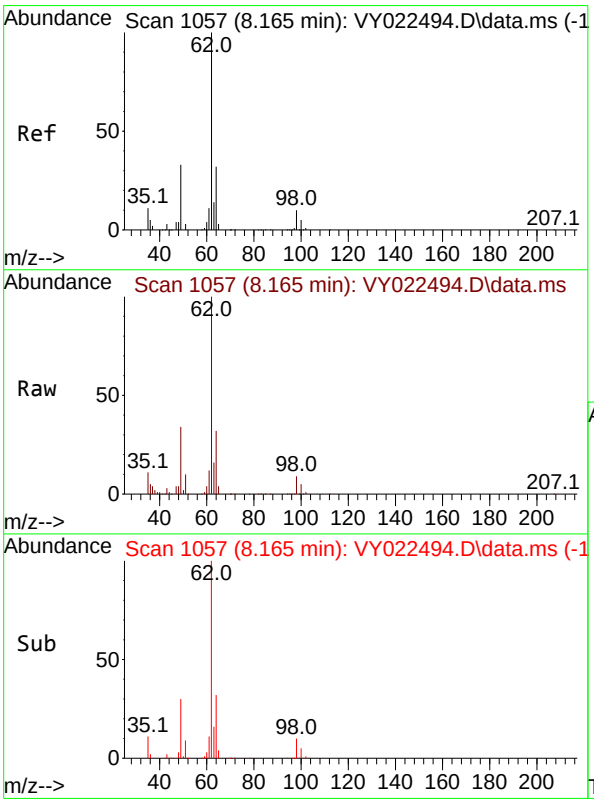
Ion	Ratio	Lower	Upper
41	100		
39	58.2	46.6	69.8
67	79.1	63.3	94.9
52	34.4	27.5	41.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

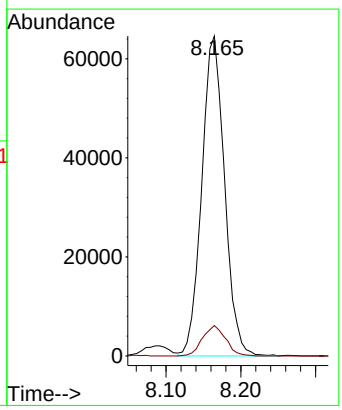
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

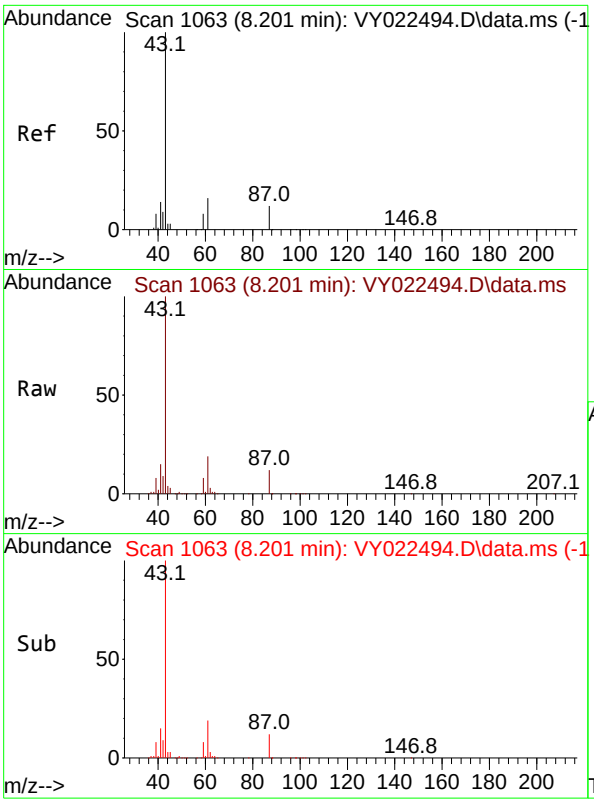


#42
1,2-Dichloroethane
Concen: 51.114 ug/l
RT: 8.165 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 62 Resp: 136876

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.2





#43
Isopropyl Acetate
Concen: 52.237 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 16777

Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.6	23.4
87	12.8	10.2	15.4

Manual Integrations
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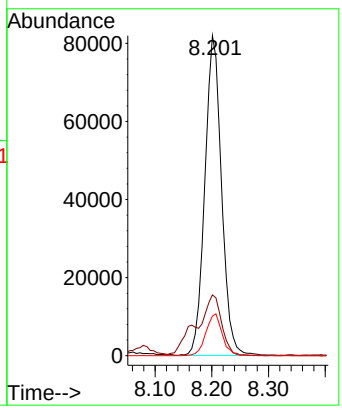
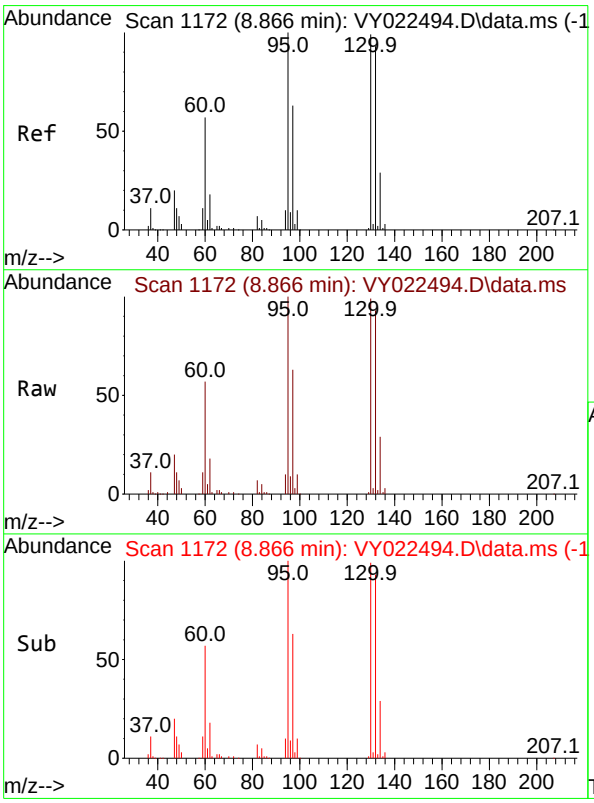
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

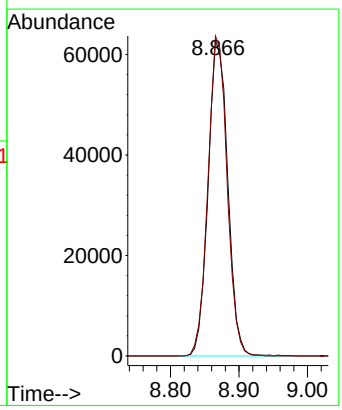


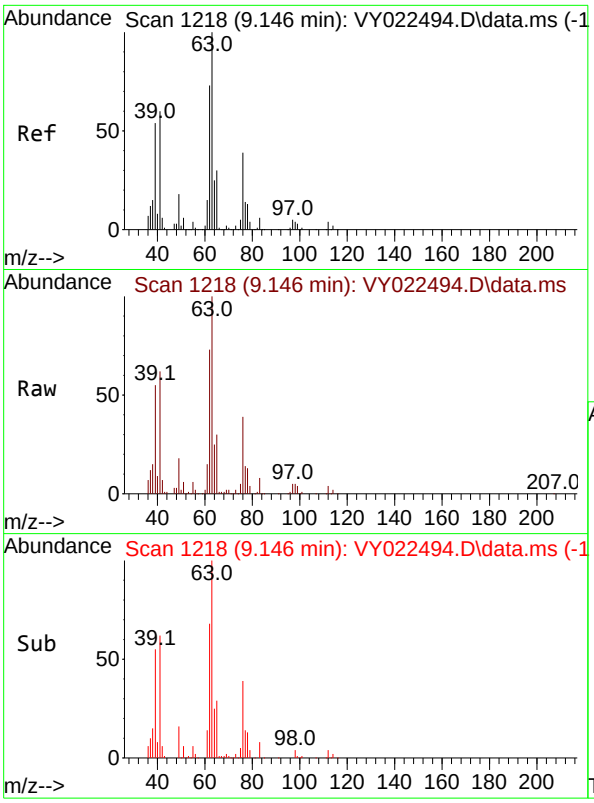


#44
Trichloroethene
Concen: 51.843 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:130 Resp: 124670

Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	203.0

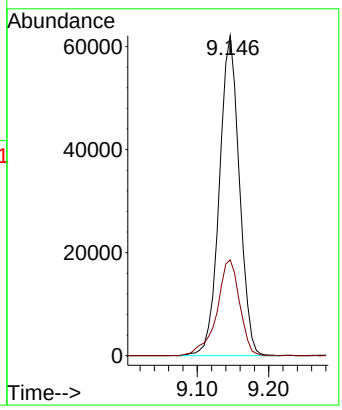




#45
1,2-Dichloropropane
Concen: 51.415 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 63 Resp: 12066

Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.0	36.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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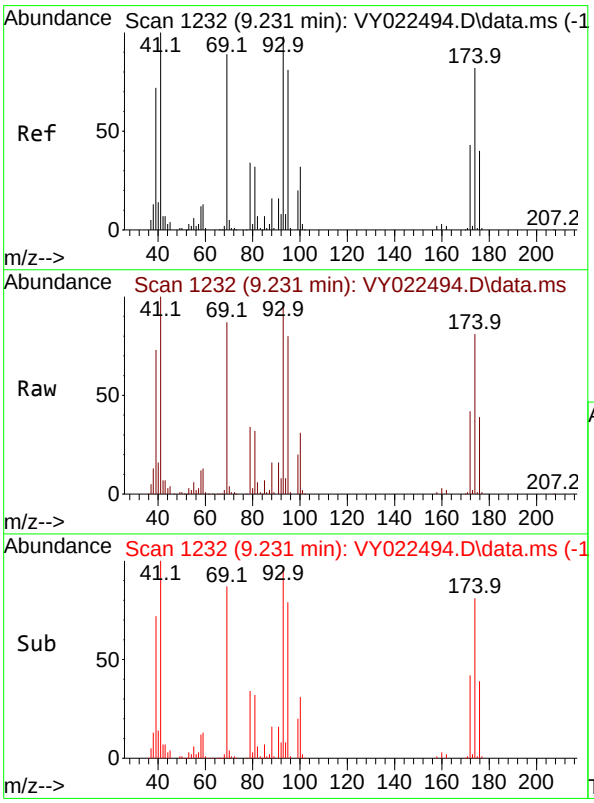
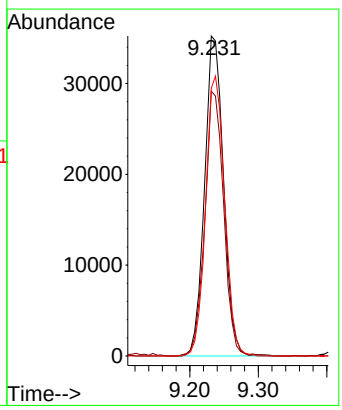
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

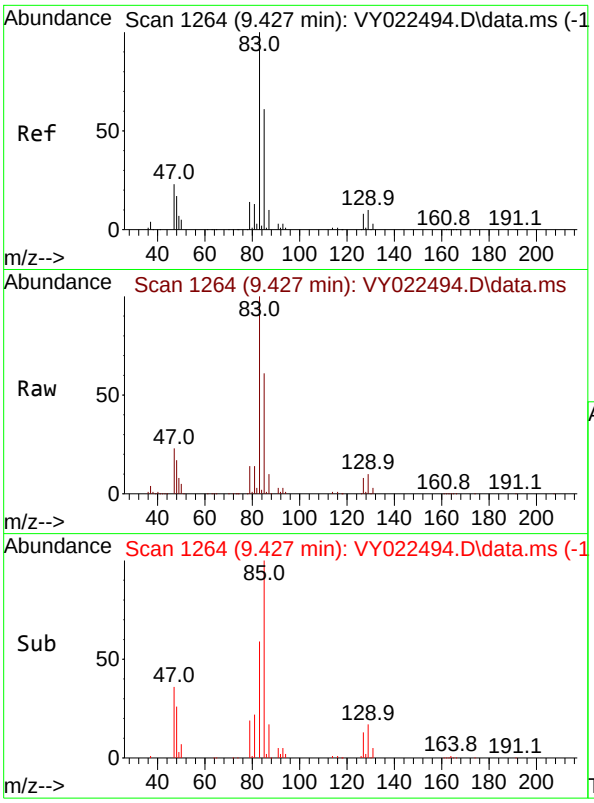


#46
Dibromomethane
Concen: 51.485 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 93 Resp: 67690

Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.6	98.4
174	88.0	70.4	105.6

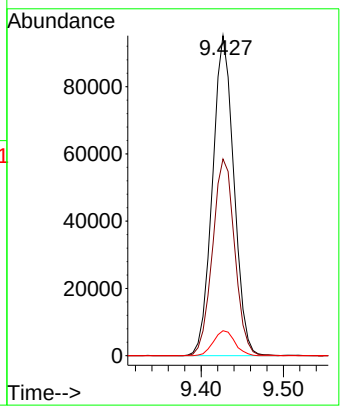




#47
Bromodichloromethane
Concen: 51.664 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 83 Resp: 17234

Ion	Ratio	Lower	Upper
83	100		
85	61.4	49.1	73.7
127	7.8	6.2	9.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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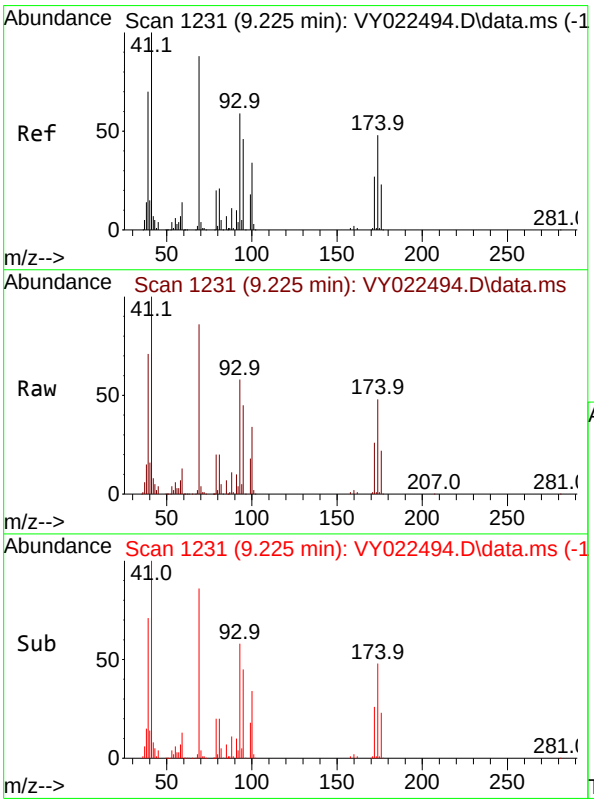
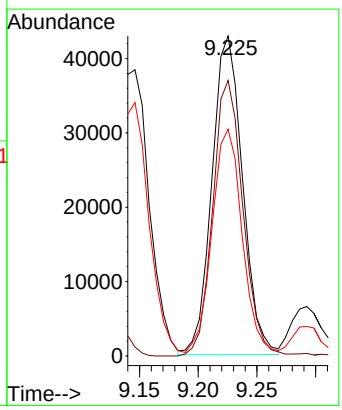
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

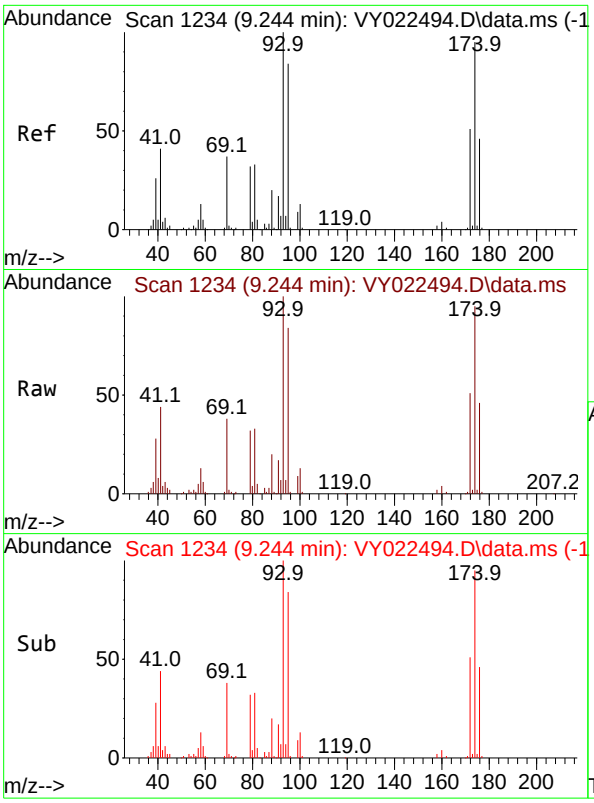


#48
Methyl methacrylate
Concen: 52.963 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 41 Resp: 77885

Ion	Ratio	Lower	Upper
41	100		
69	84.8	67.8	101.8
39	68.7	55.0	82.4

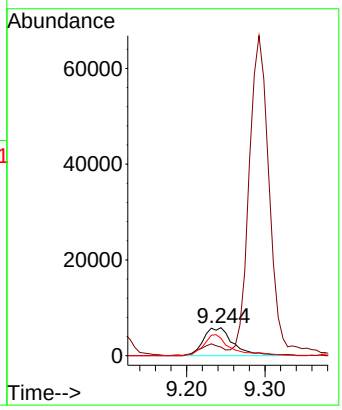




#49
1,4-Dioxane
Concen: 977.637 ug/l
RT: 9.244 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 88 Resp: 1533

Ion	Ratio	Lower	Upper
88	100		
43	31.8	25.4	38.2
58	68.6	54.9	82.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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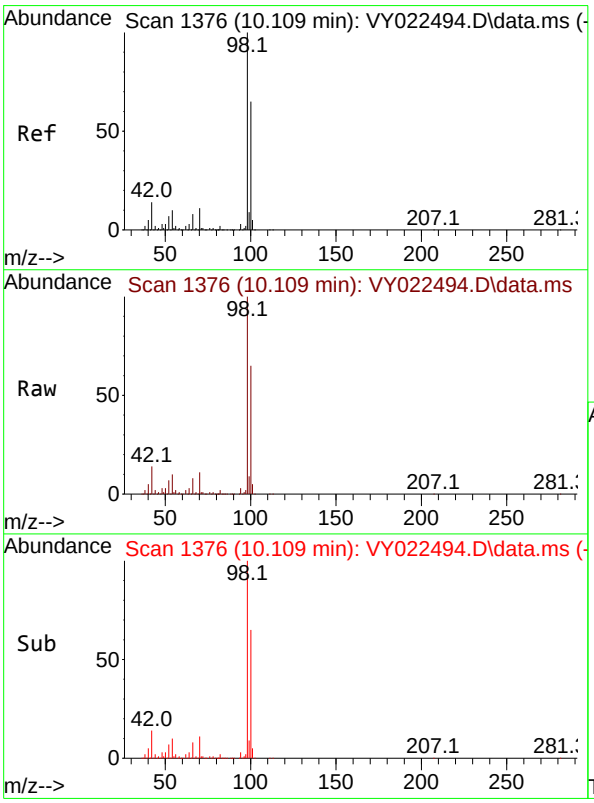
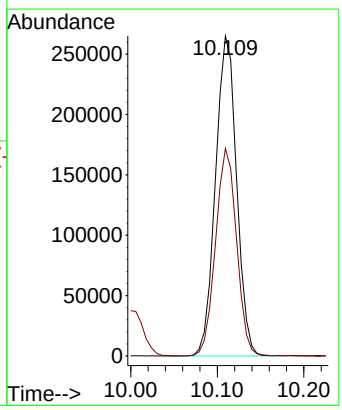
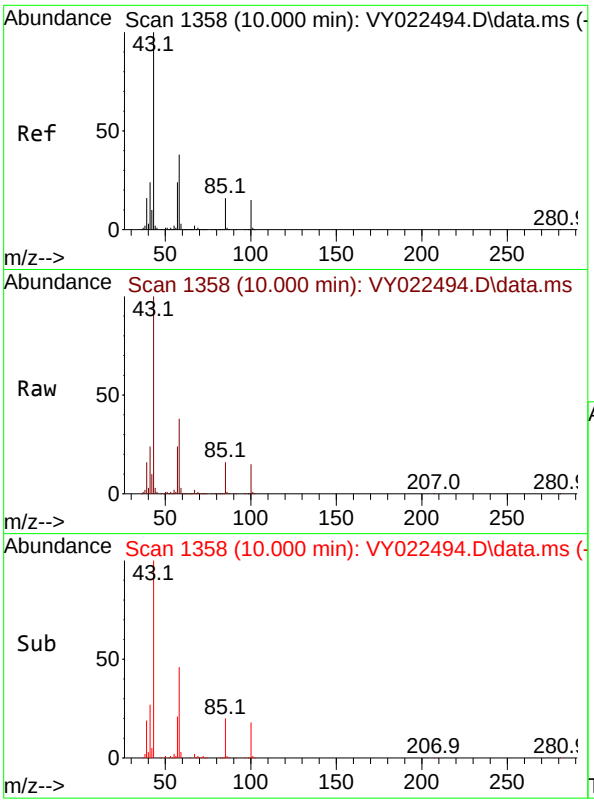


#50
Toluene-d8
Concen: 53.734 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 98 Resp: 448690

Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.4	77.0

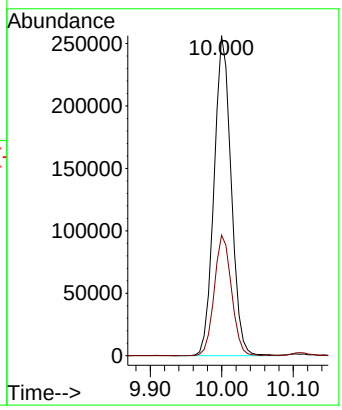




#51
4-Methyl-2-Pentanone
Concen: 267.154 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 42586

Ion	Ratio	Lower	Upper
43	100		
58	38.0	30.4	45.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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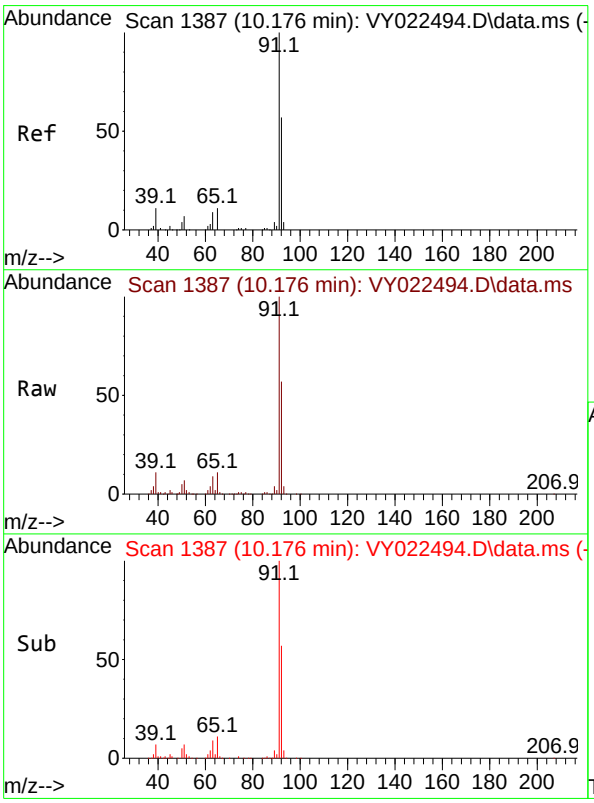
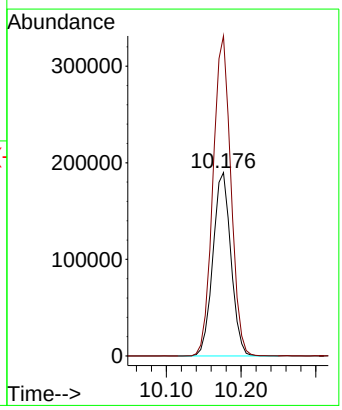
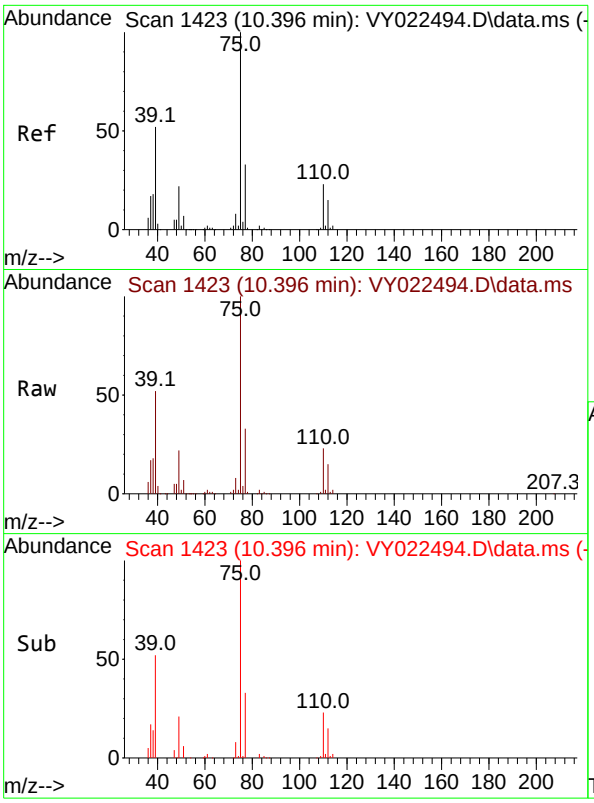


#52
Toluene
Concen: 51.213 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 92 Resp: 316972

Ion	Ratio	Lower	Upper
92	100		
91	173.7	139.0	208.4





#53
t-1,3-Dichloropropene
Concen: 52.450 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 75 Resp: 16185

Ion	Ratio	Lower	Upper
75	100		
77	33.1	26.5	39.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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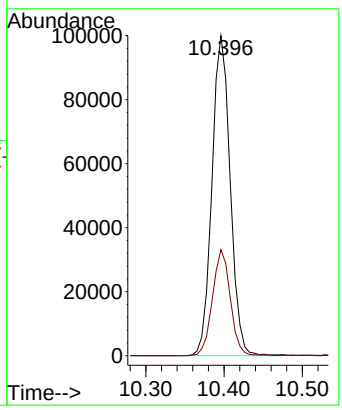
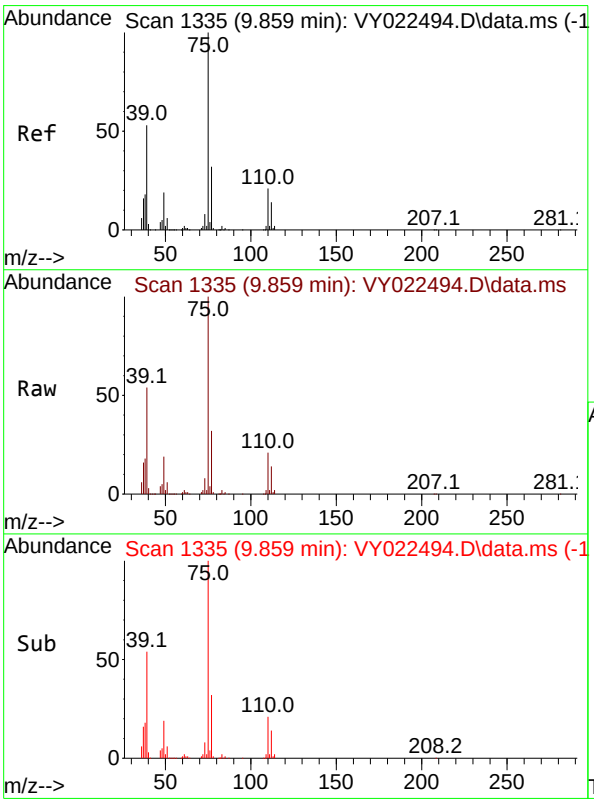
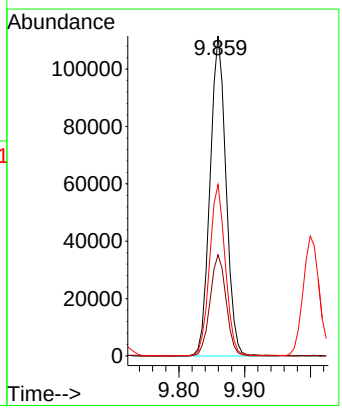


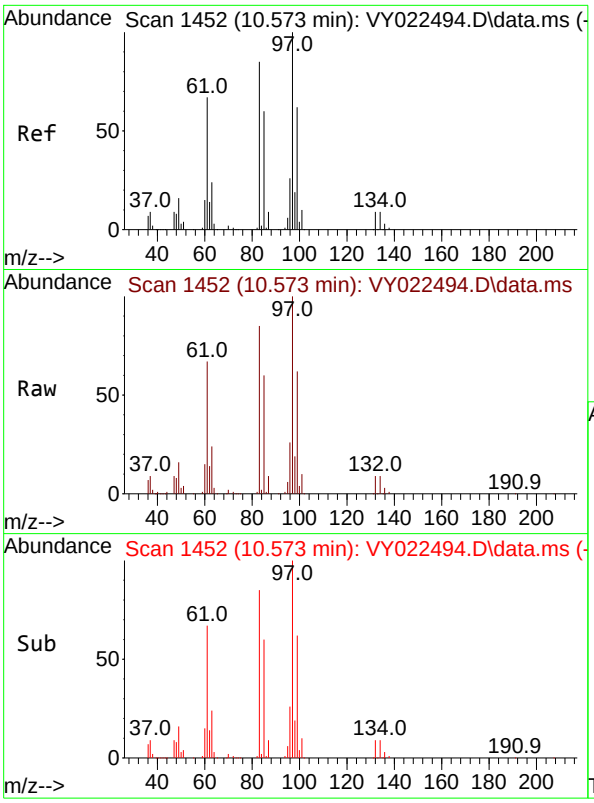


#54
cis-1,3-Dichloropropene
Concen: 52.108 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 75 Resp: 188559

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9
39	53.4	42.7	64.1

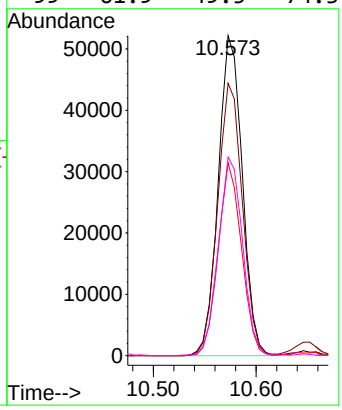




#55
1,1,2-Trichloroethane
Concen: 51.209 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 97 Resp: 8478

Ion	Ratio	Lower	Upper
97	100		
83	85.1	68.1	102.1
85	60.2	48.2	72.2
99	61.9	49.5	74.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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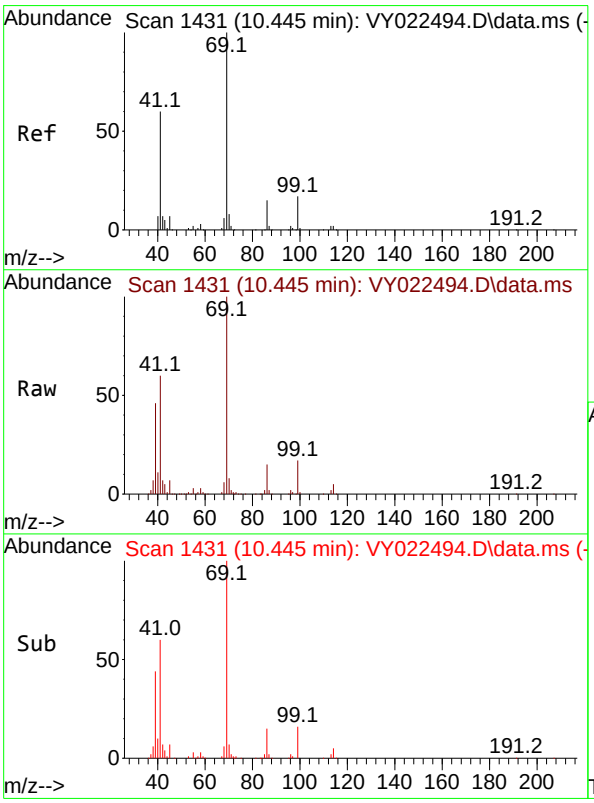
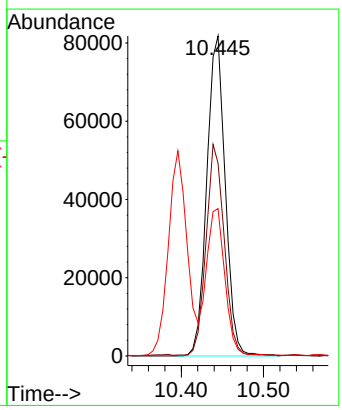
Supervised By :Mahesh Dadoda 06/03/2025

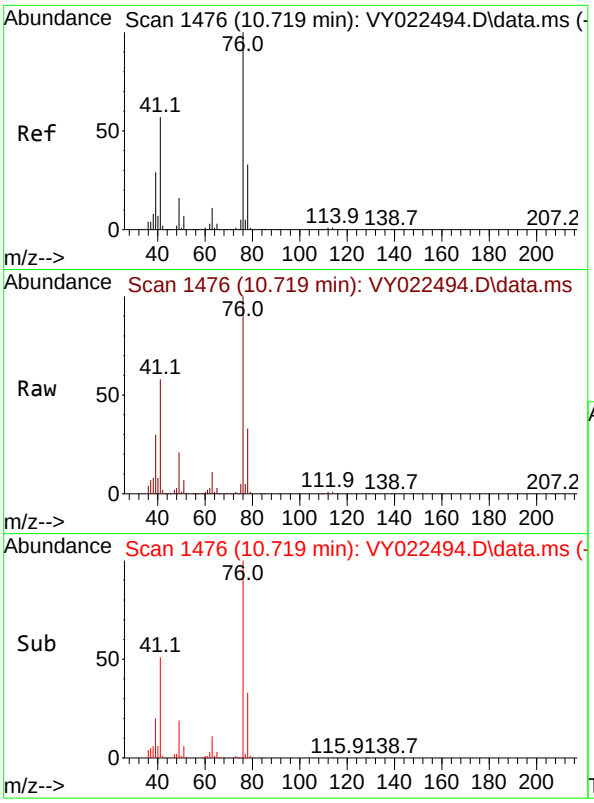


#56
Ethyl methacrylate
Concen: 52.930 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 69 Resp: 127271

Ion	Ratio	Lower	Upper
69	100		
41	65.2	52.2	78.2
39	45.9	36.7	55.1





#57
1,3-Dichloropropane
Concen: 51.821 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 76 Resp: 15280

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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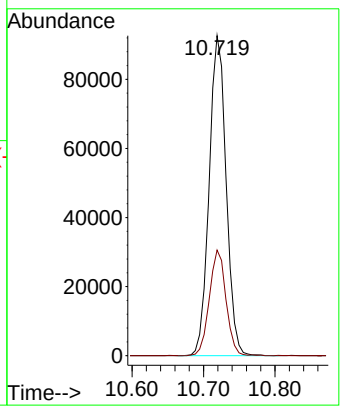
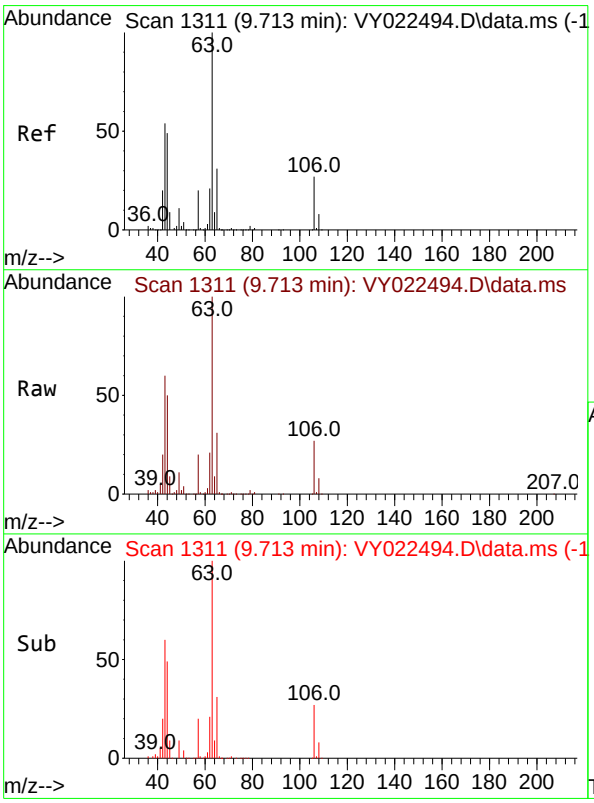
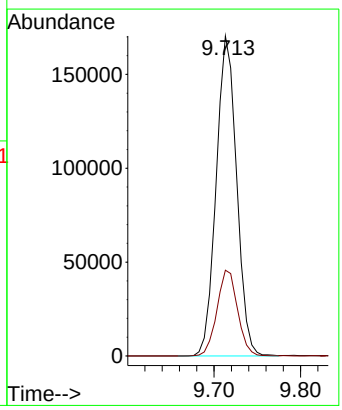


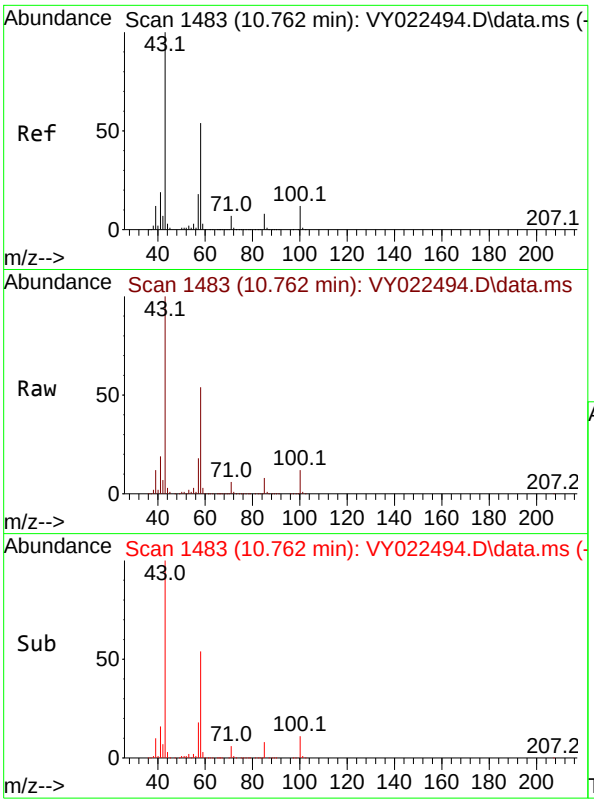


#58
2-Chloroethyl Vinyl ether
Concen: 260.896 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 63 Resp: 279669

Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.6	32.4





#59
2-Hexanone
Concen: 266.885 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 28360

Ion	Ratio	Lower	Upper
43	100		
58	54.5	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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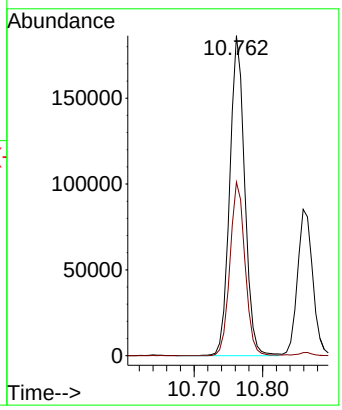
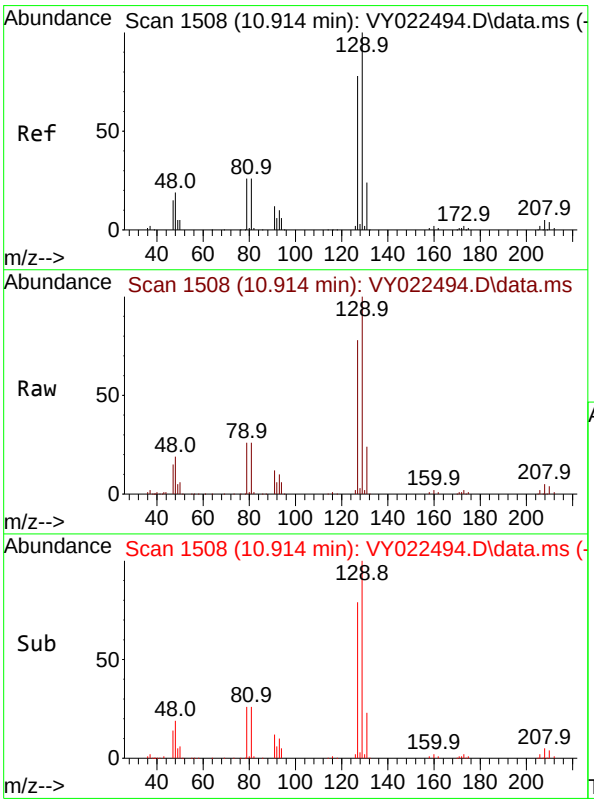
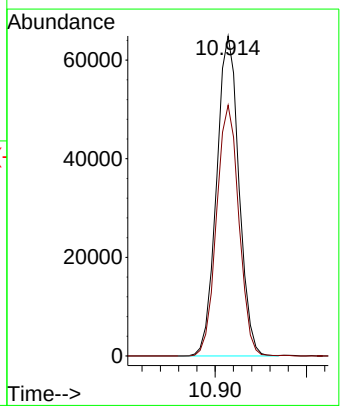


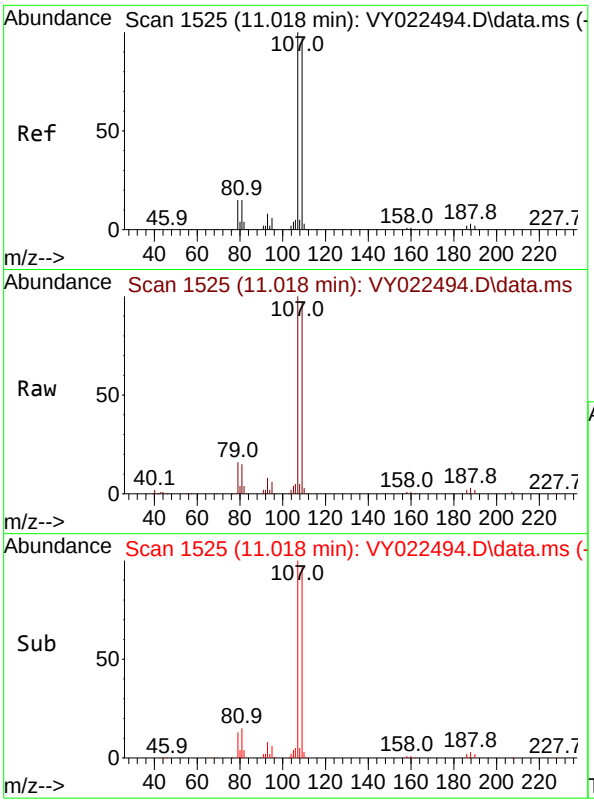


#60
Dibromochloromethane
Concen: 52.582 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:129 Resp: 110314

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.1	117.2

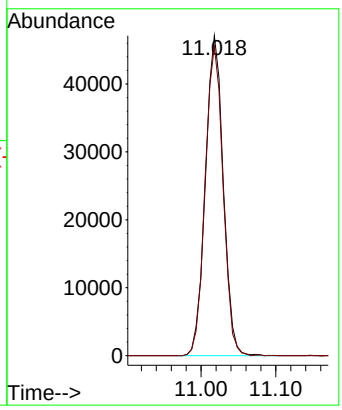




#61
1,2-Dibromoethane
Concen: 51.150 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:107 Resp: 7815

Ion	Ratio	Lower	Upper
107	100		
109	97.1	77.7	116.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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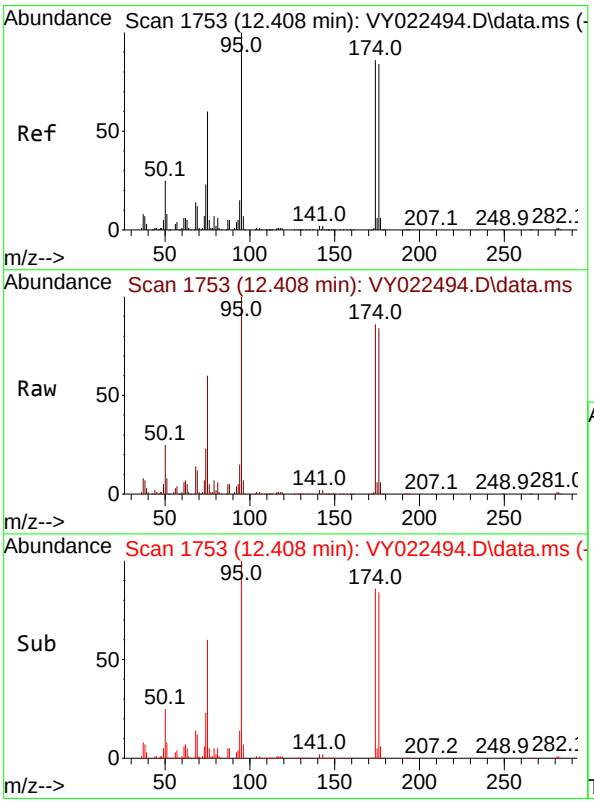
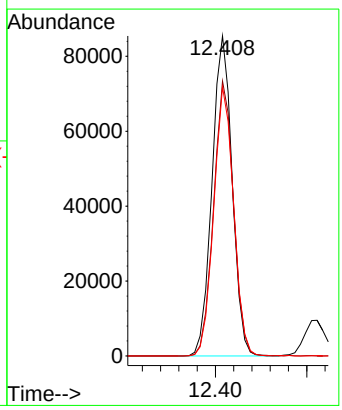
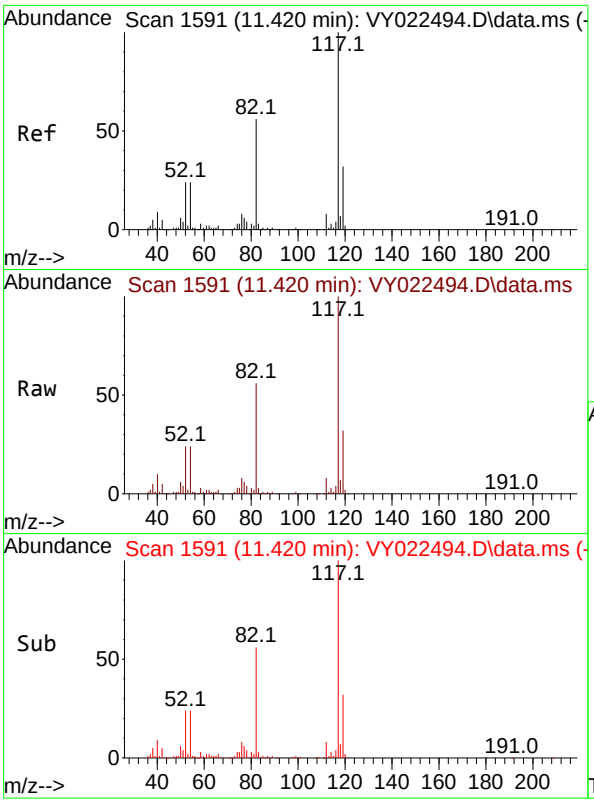


#62
4-Bromofluorobenzene
Concen: 51.503 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 95 Resp: 130393

Ion	Ratio	Lower	Upper
95	100		
174	85.0	0.0	170.0
176	83.1	0.0	166.2

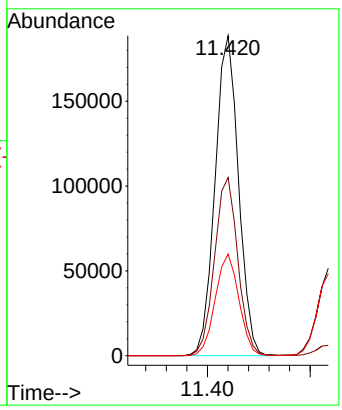




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:117 Resp: 29818

Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.6	66.8
119	31.7	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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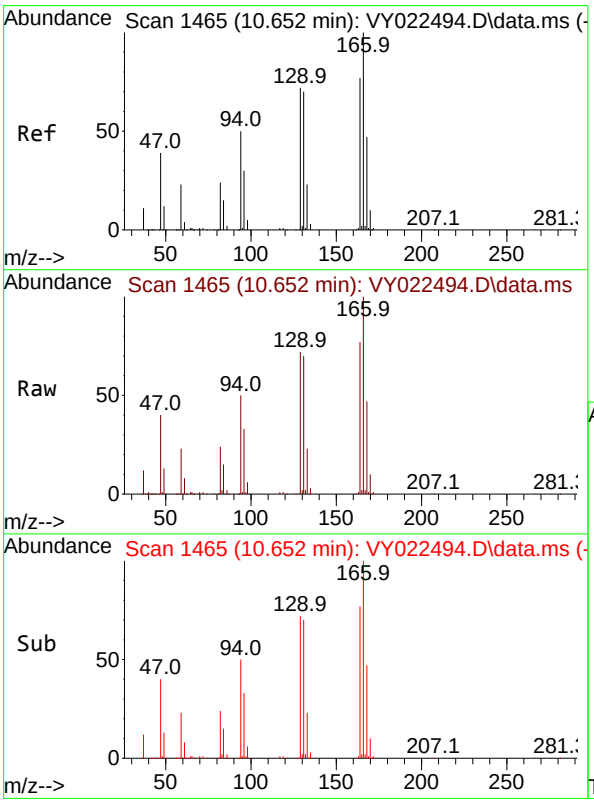
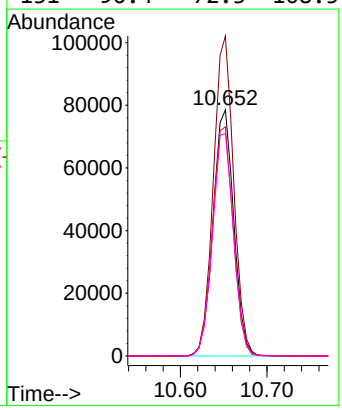
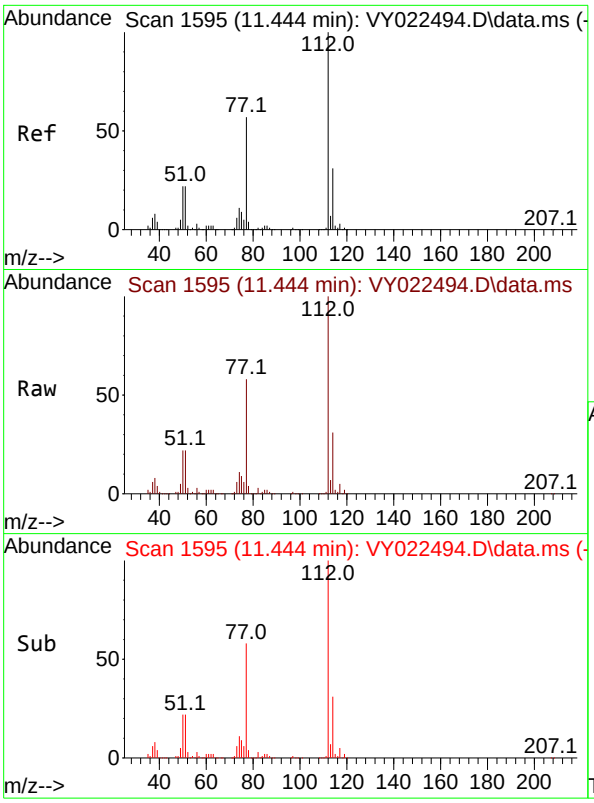


#64
Tetrachloroethene
Concen: 51.367 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:164 Resp: 130171

Ion	Ratio	Lower	Upper
164	100		
166	130.0	104.0	156.0
129	93.1	74.5	111.7
131	90.4	72.3	108.5

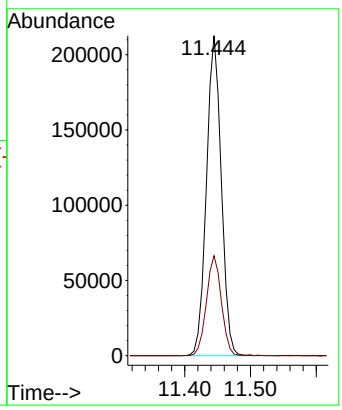




#65
Chlorobenzene
Concen: 51.447 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:112 Resp: 33264

Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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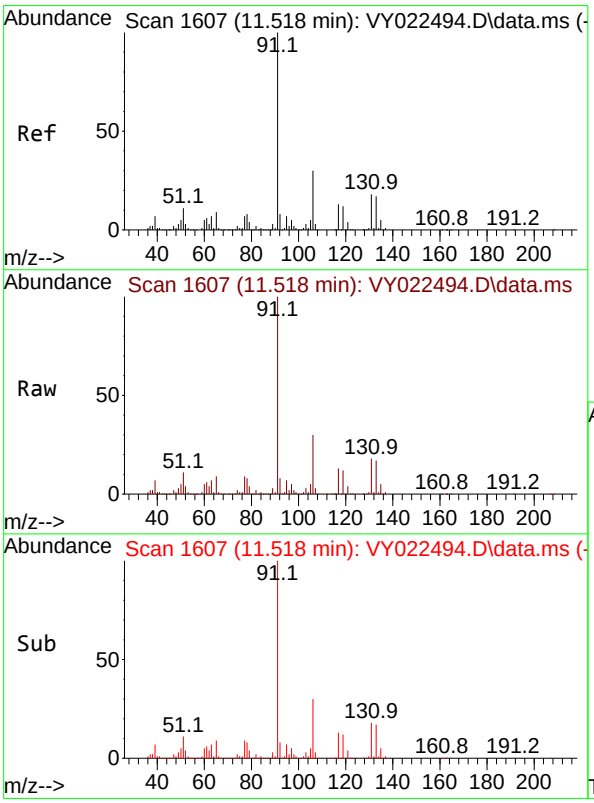
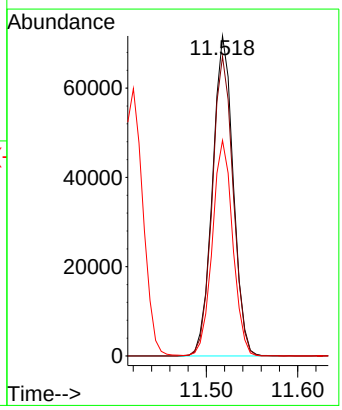
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

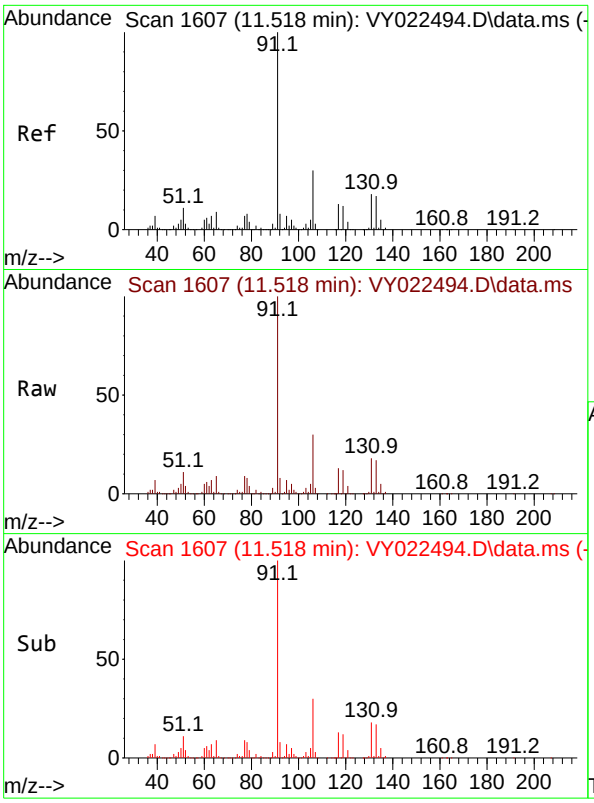


#66
1,1,1,2-Tetrachloroethane
Concen: 51.526 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:131 Resp: 112934

Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.3	141.8
119	66.2	33.1	99.3

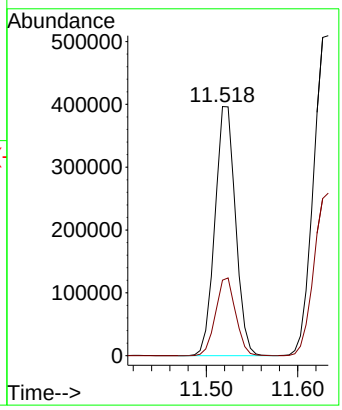




#67
Ethyl Benzene
Concen: 51.577 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 91 Resp: 62103

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.2	36.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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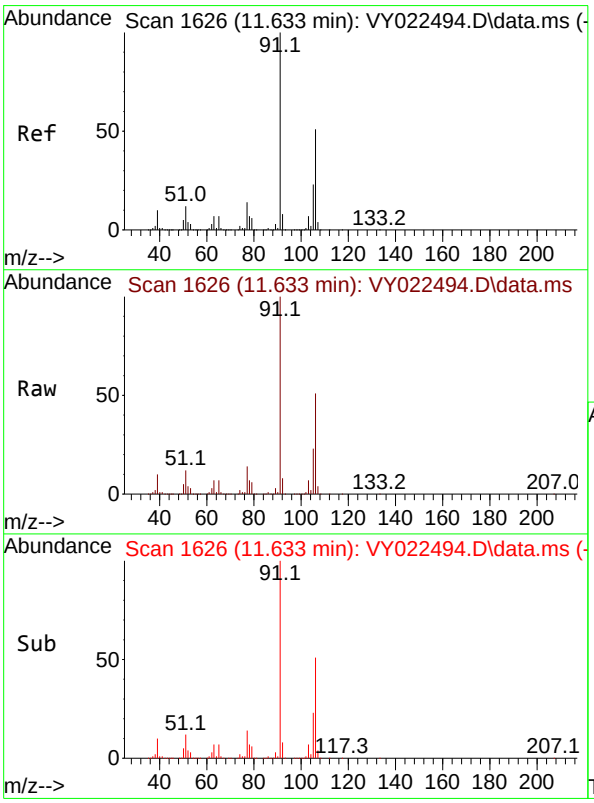
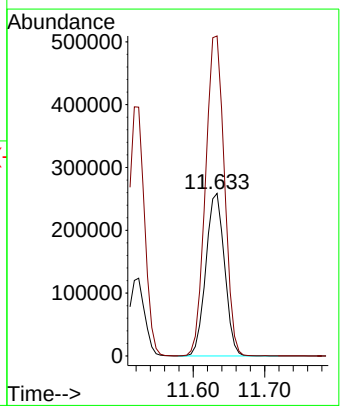
Supervised By :Mahesh Dadoda 06/03/2025

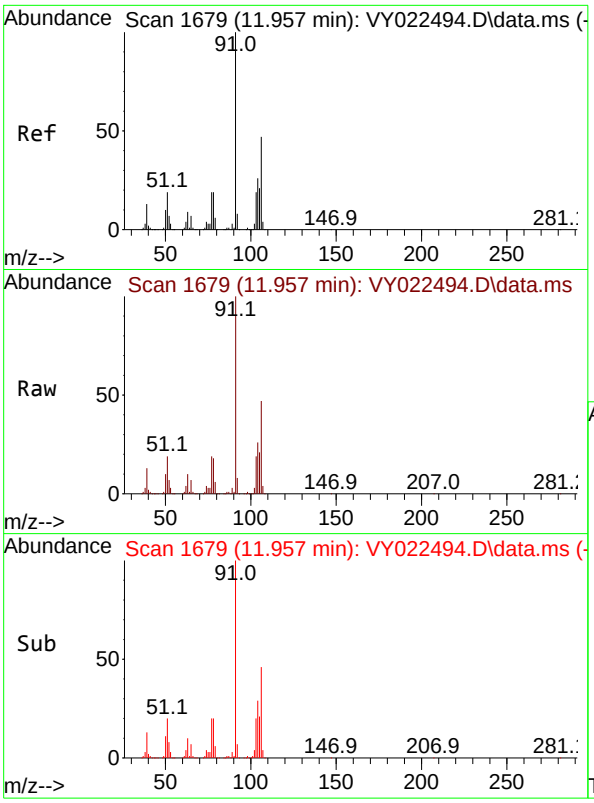


#68
m/p-Xylenes
Concen: 102.795 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:106 Resp: 468441

Ion	Ratio	Lower	Upper
106	100		
91	199.2	159.4	239.0





#69
o-Xylene
Concen: 51.293 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:106 Resp: 21876

Ion	Ratio	Lower	Upper
106	100		
91	211.5	105.8	317.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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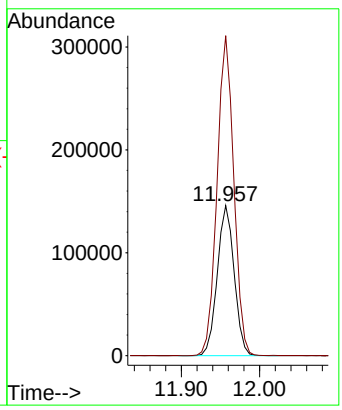
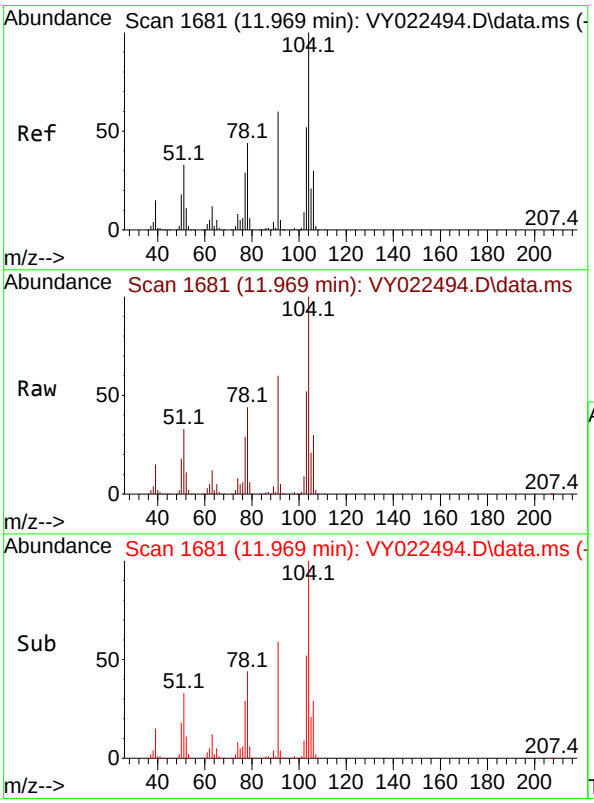
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

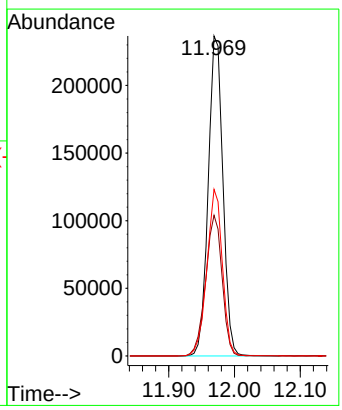


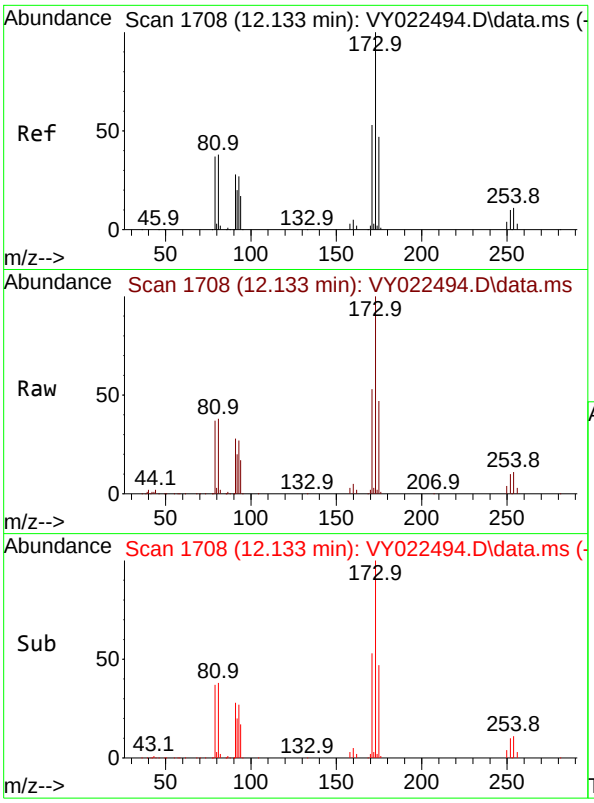


#70
Styrene
Concen: 52.052 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:104 Resp: 367553

Ion	Ratio	Lower	Upper
104	100		
78	49.4	39.5	59.3
103	55.1	44.1	66.1

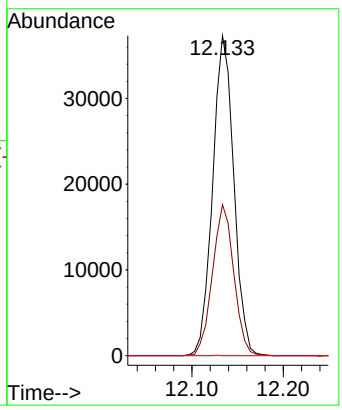




#71
Bromoform
Concen: 51.996 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:173 Resp: 5988

Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.8	71.5
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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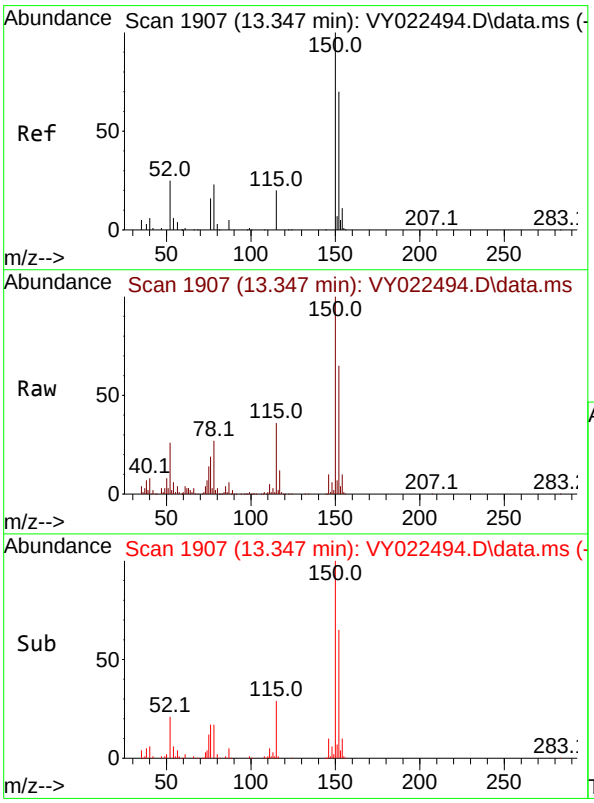
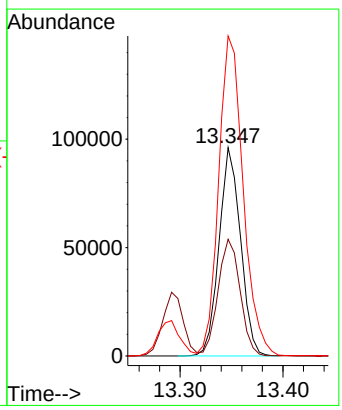
Supervised By :Mahesh Dadoda 06/03/2025

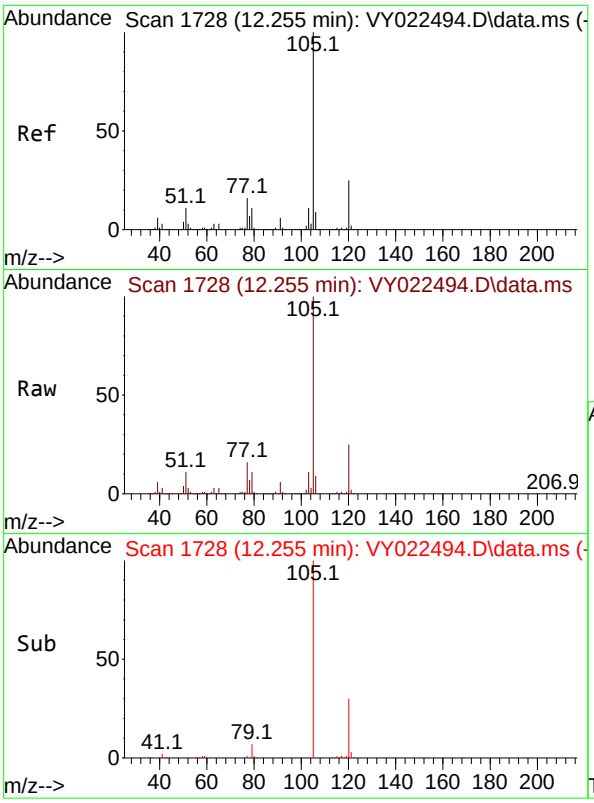


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:152 Resp: 139554

Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.9	86.7
150	174.8	0.0	349.6





#73
Isopropylbenzene
Concen: 51.329 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:105 Resp: 57713

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.0	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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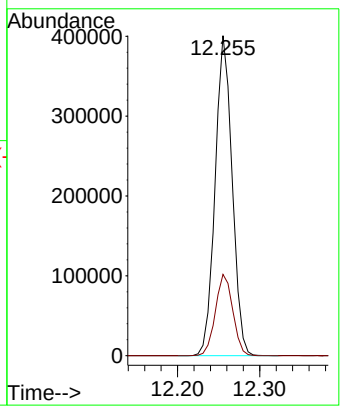
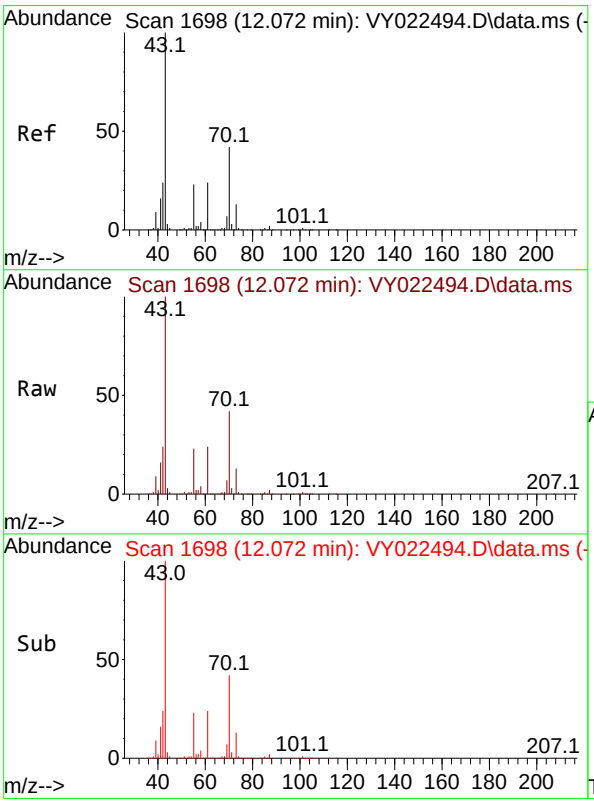
Supervised By :Mahesh Dadoda 06/03/2025

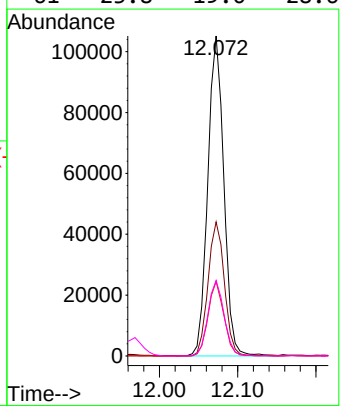


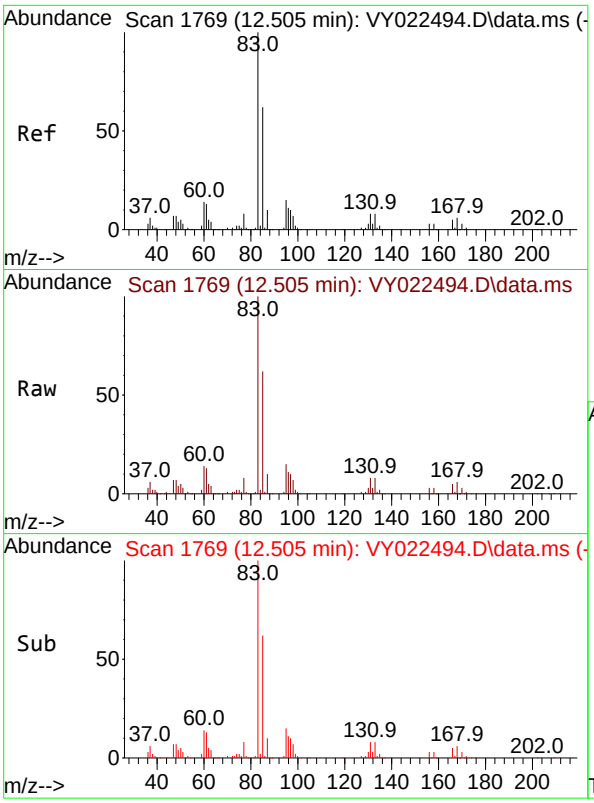


#74
N-amyl acetate
Concen: 52.627 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 149637

Ion	Ratio	Lower	Upper
43	100		
70	42.7	34.2	51.2
55	22.8	18.2	27.4
61	23.8	19.0	28.6





#75
1,1,2,2-Tetrachloroethane
Concen: 52.145 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 83 Resp: 9521

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	65.2	32.6	97.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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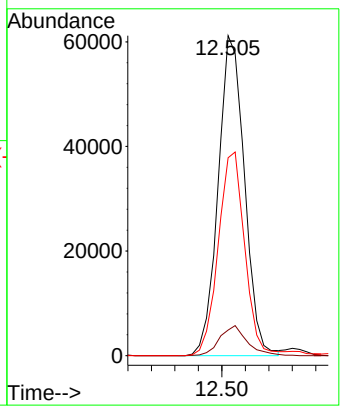
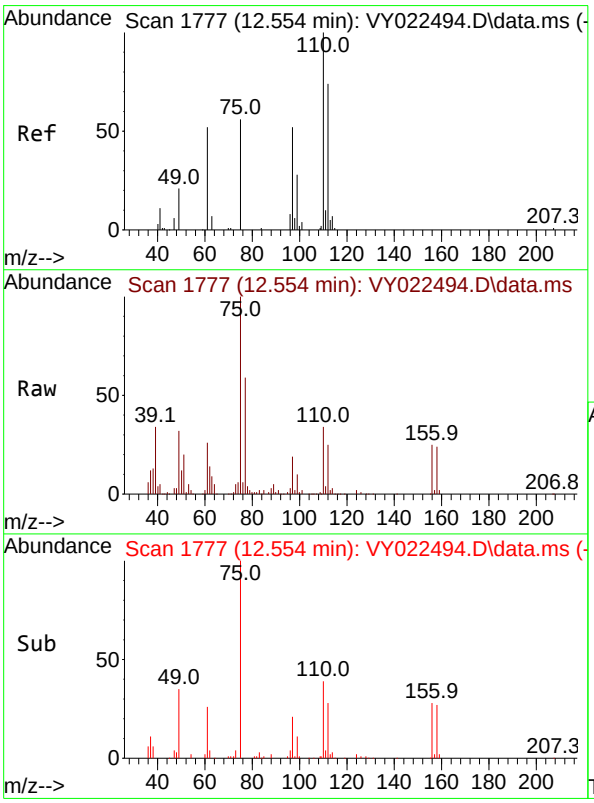
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

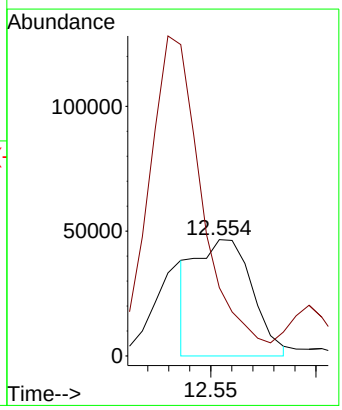


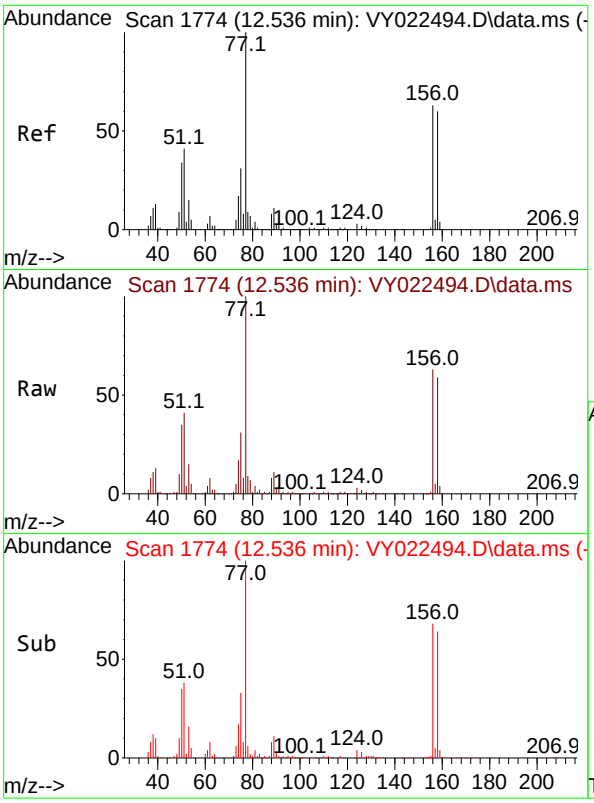


#76
1,2,3-Trichloropropane
Concen: 47.747 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 75 Resp: 87965

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

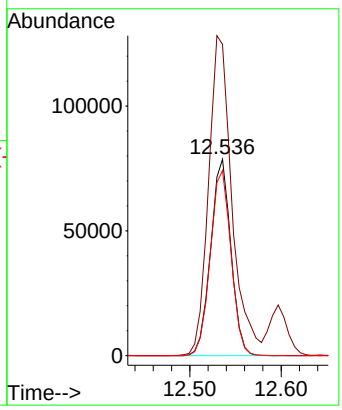




#77
Bromobenzene
Concen: 50.812 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:156 Resp: 12109

Ion	Ratio	Lower	Upper
156	100		
77	188.1	94.0	282.1
158	96.4	48.2	144.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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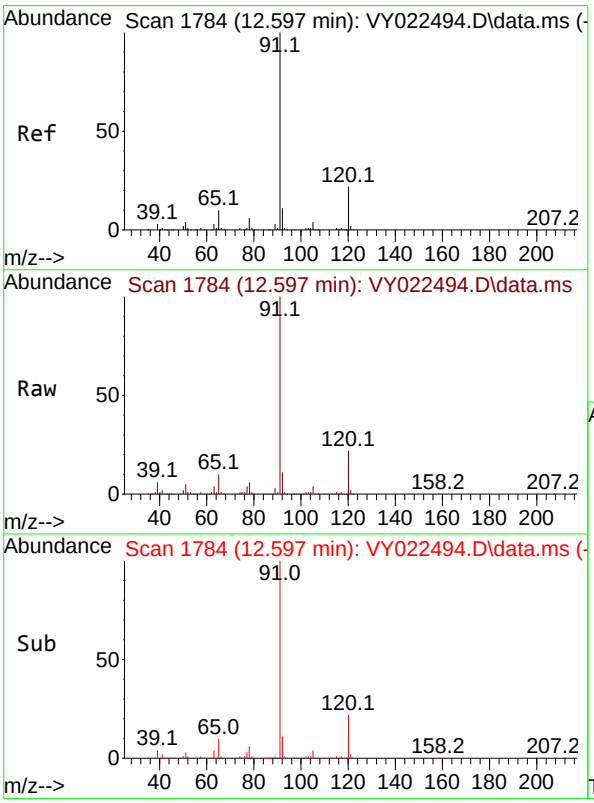
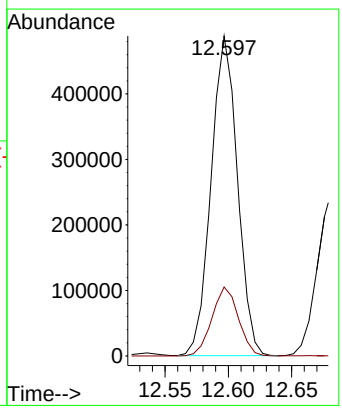
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

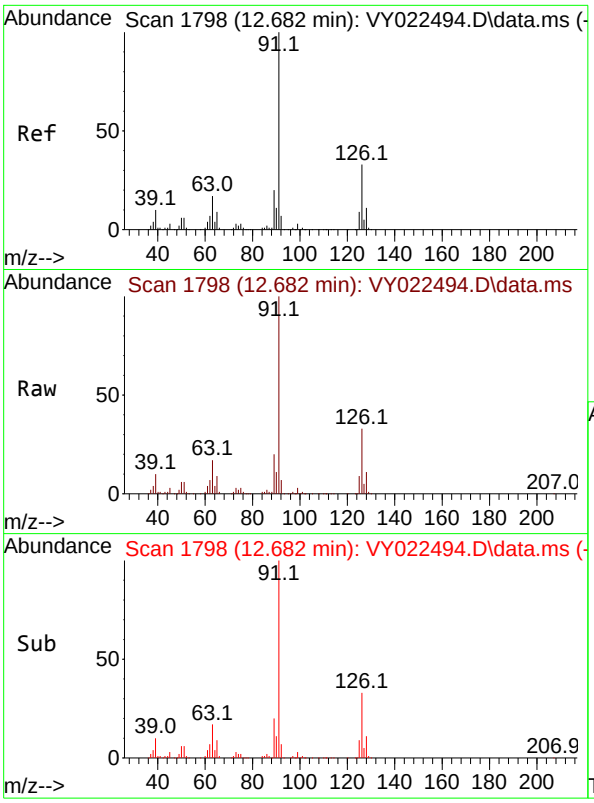


#78
n-propylbenzene
Concen: 51.667 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 91 Resp: 707143

Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.8	32.4





#79
2-Chlorotoluene
Concen: 51.670 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 91 Resp: 37340

Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.0	51.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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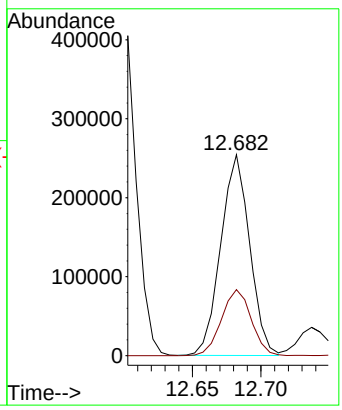
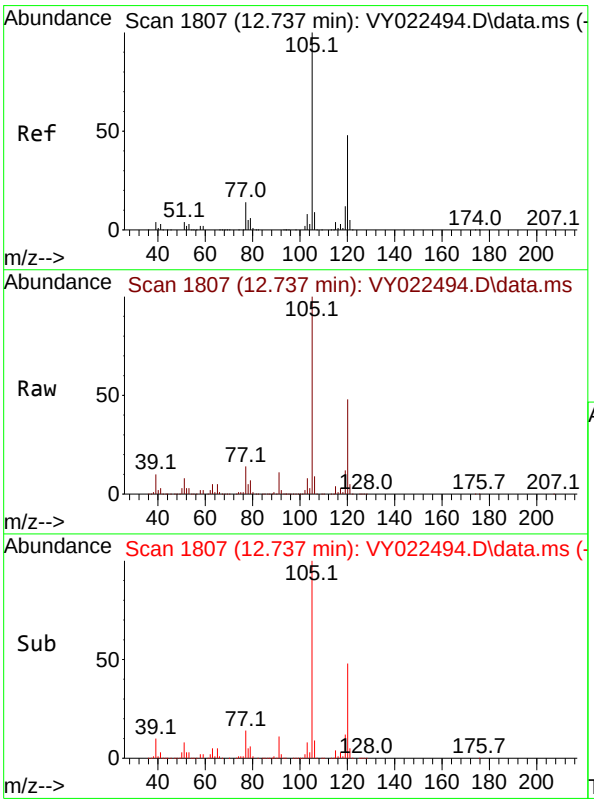
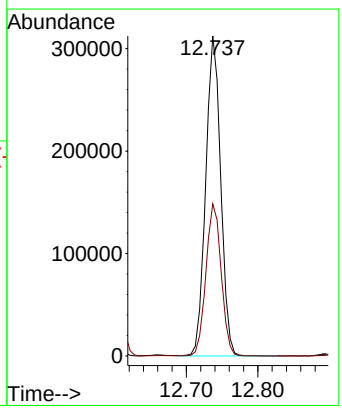


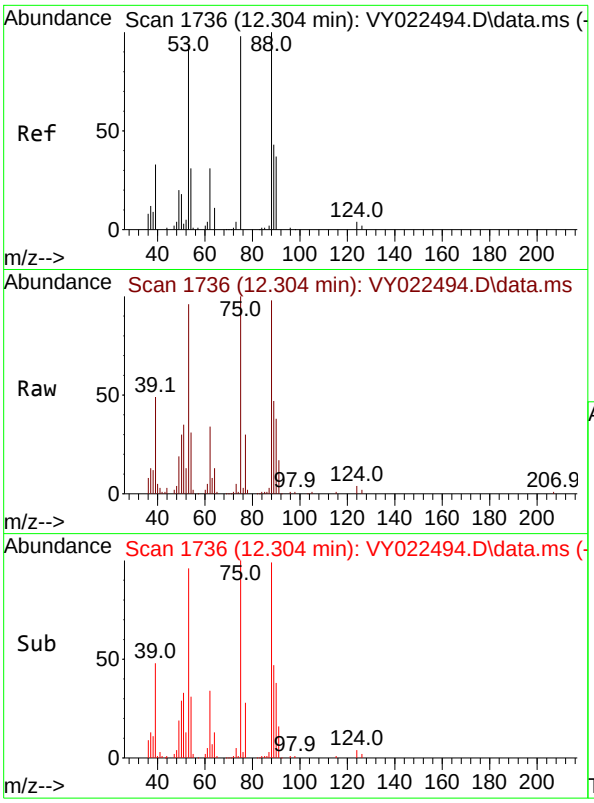


#80
1,3,5-Trimethylbenzene
Concen: 51.754 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:105 Resp: 455006

Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.1	72.4





#81
trans-1,4-Dichloro-2-butene
Concen: 50.780 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 75 Resp: 3263

Ion	Ratio	Lower	Upper
75	100		
53	98.1	78.5	117.7
89	44.6	35.7	53.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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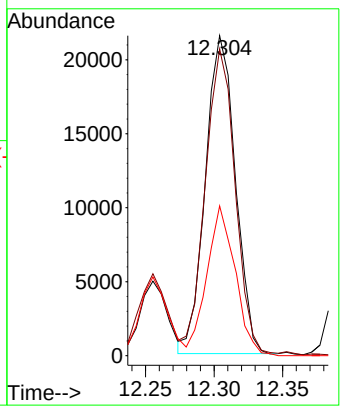
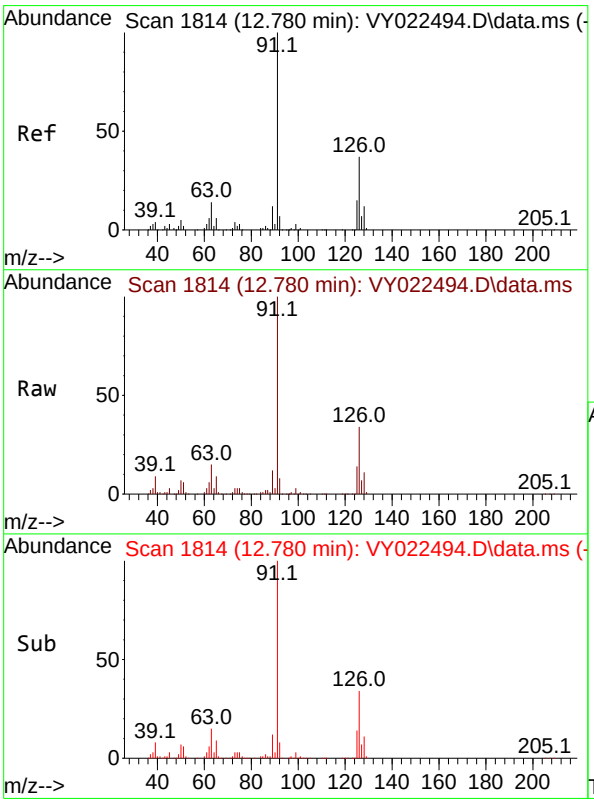
Supervised By :Mahesh Dadoda 06/03/2025

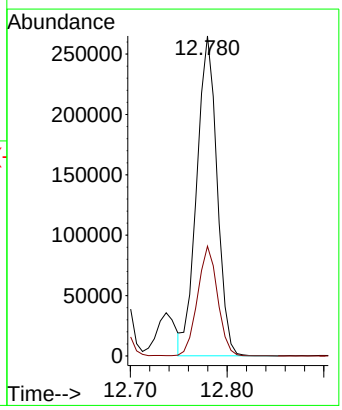


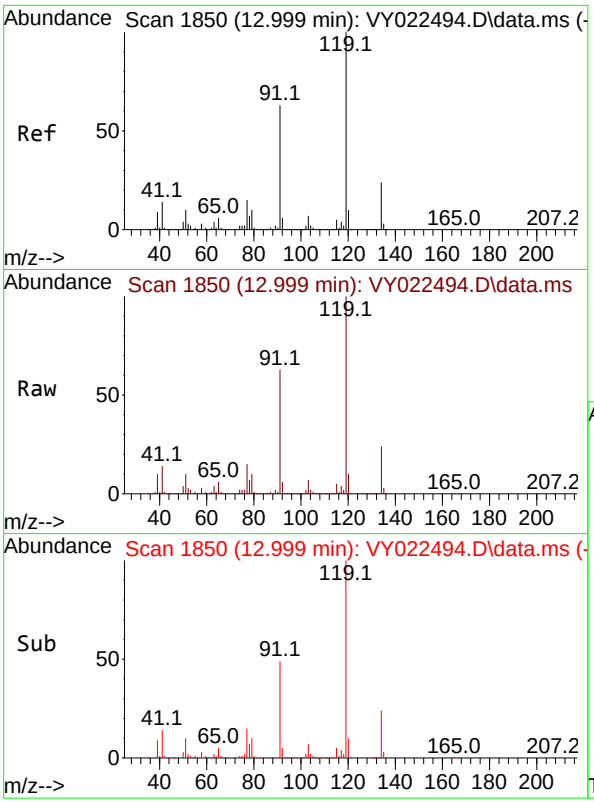


#82
4-Chlorotoluene
Concen: 51.710 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 91 Resp: 387296

Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.0	50.9

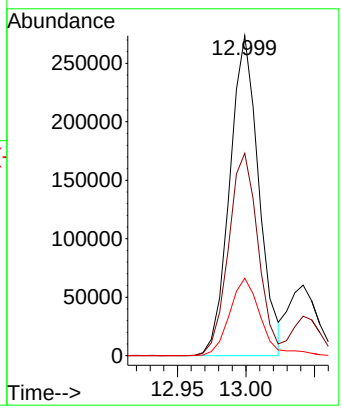




#83
tert-Butylbenzene
Concen: 50.438 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:119 Resp: 40451

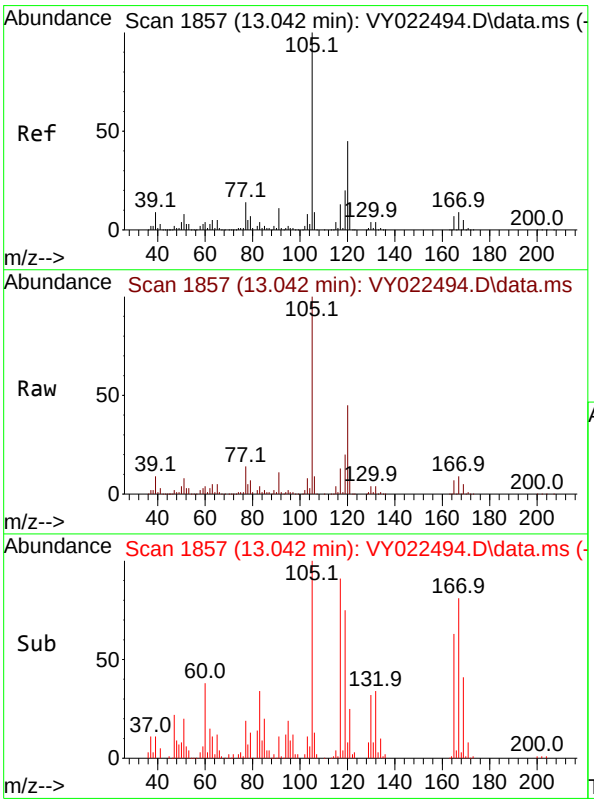
Ion	Ratio	Lower	Upper
119	100		
91	64.2	32.1	96.3
134	25.9	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

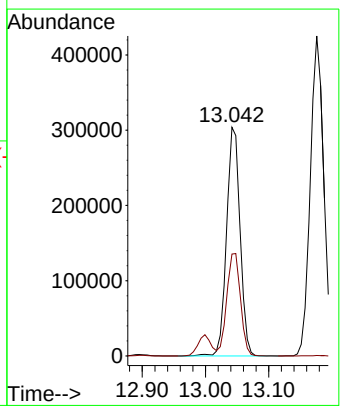
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

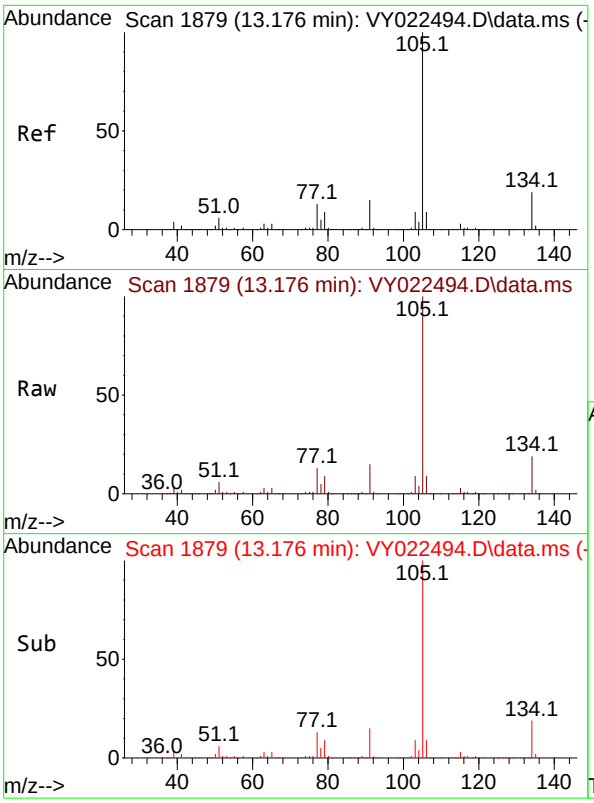


#84
1,2,4-Trimethylbenzene
Concen: 51.088 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:105 Resp: 449372

Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.7	68.1





#85
sec-Butylbenzene
Concen: 51.250 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

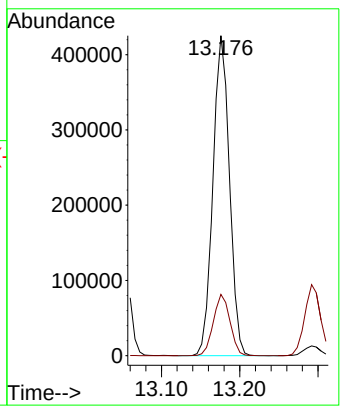
Tgt Ion:105 Resp: 62318

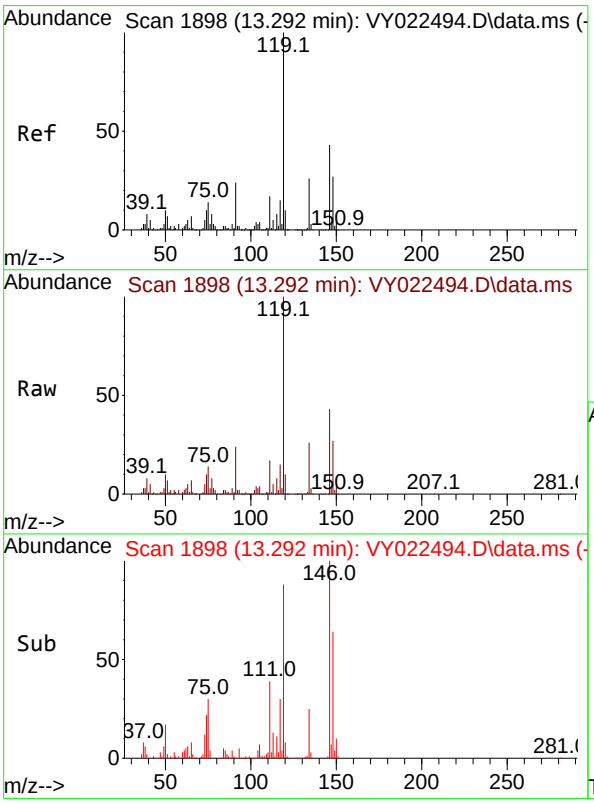
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

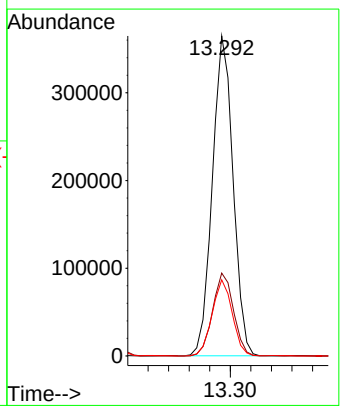


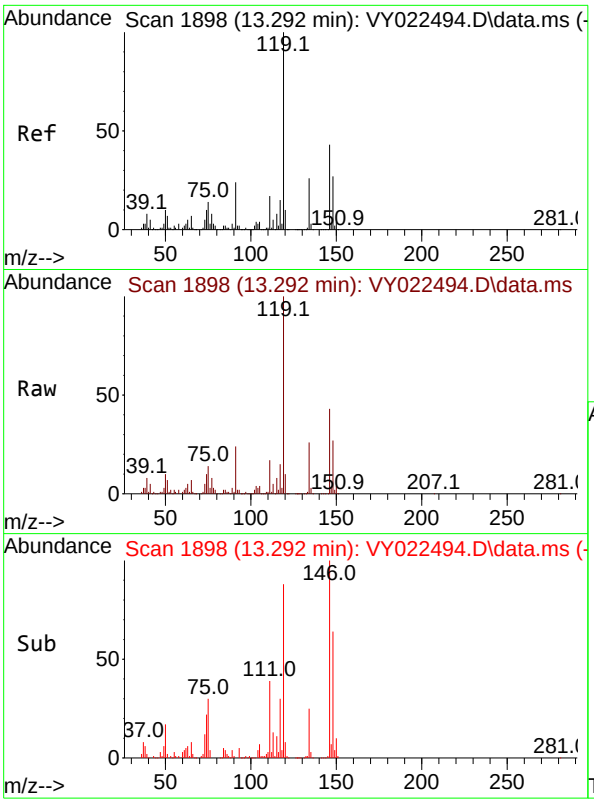


#86
p-Isopropyltoluene
Concen: 51.018 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:119 Resp: 510026

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.1
91	23.2	11.6	34.8

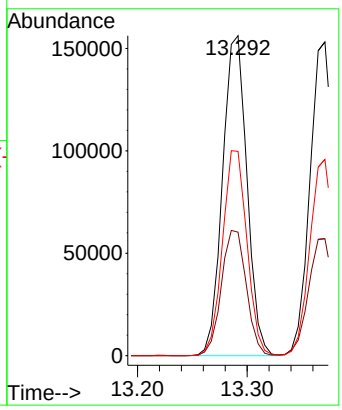




#87
1,3-Dichlorobenzene
Concen: 50.717 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:146 Resp: 24181

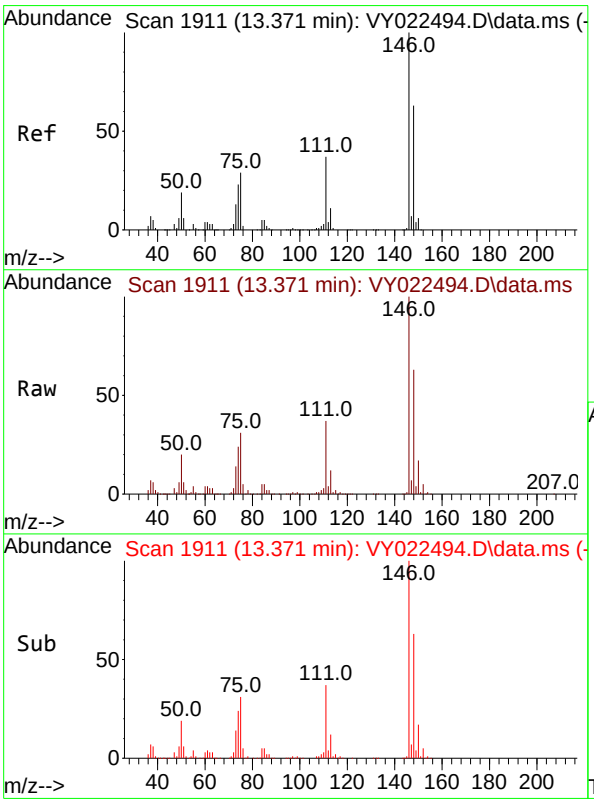
Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.1	60.2
148	64.2	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

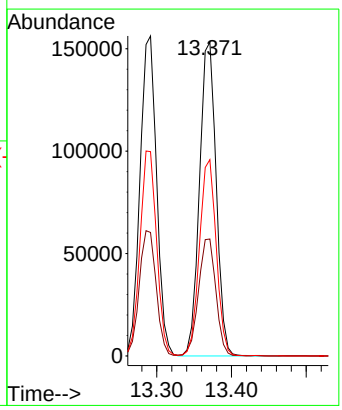
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

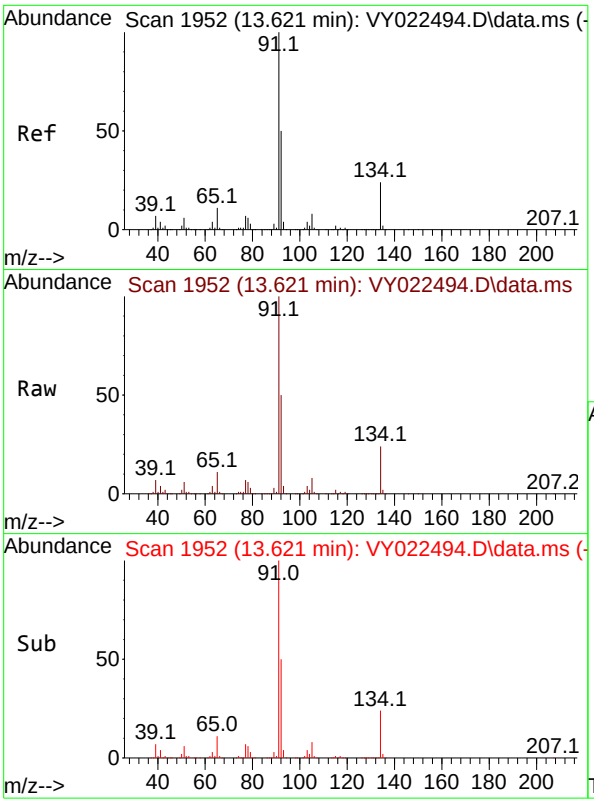


#88
1,4-Dichlorobenzene
Concen: 51.108 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:146 Resp: 237429

Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.2
148	63.2	31.6	94.8

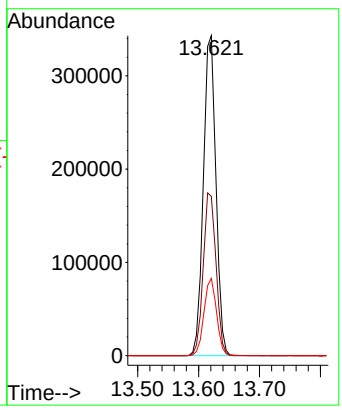




#89
n-Butylbenzene
Concen: 51.811 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 91 Resp: 49315

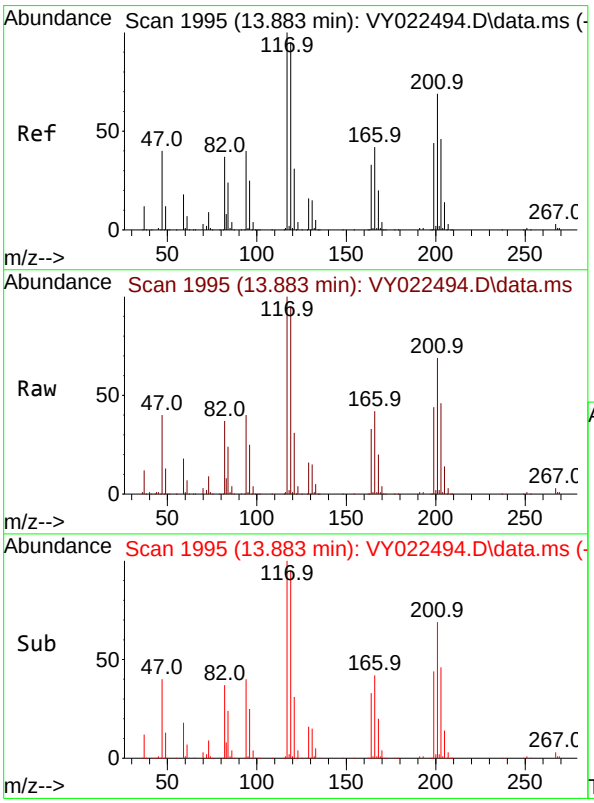
Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.9	77.8
134	24.1	12.0	36.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

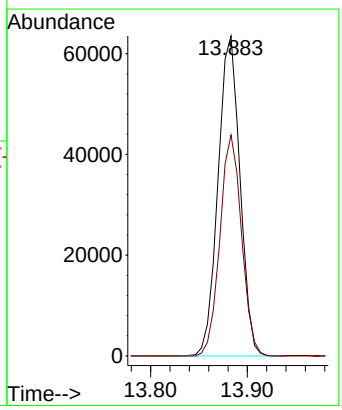
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

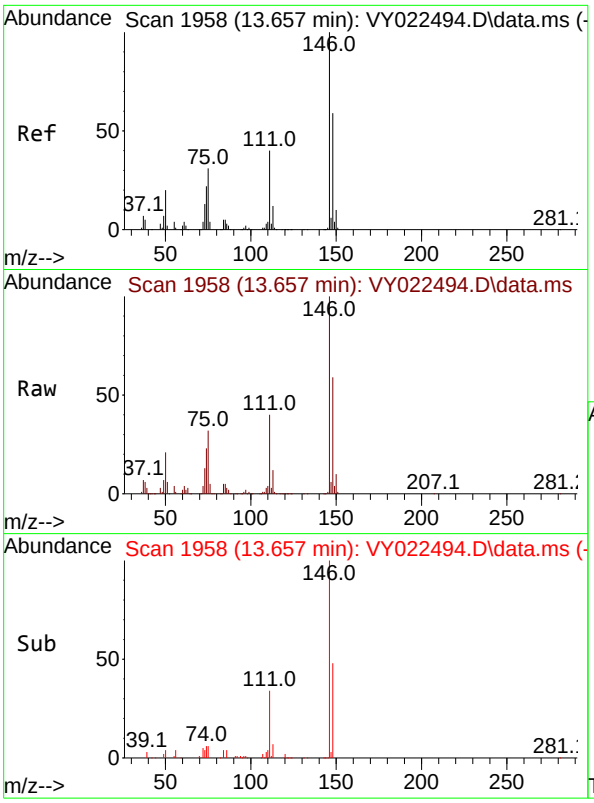


#90
Hexachloroethane
Concen: 51.068 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:117 Resp: 99901

Ion	Ratio	Lower	Upper
117	100		
201	68.0	34.0	102.0

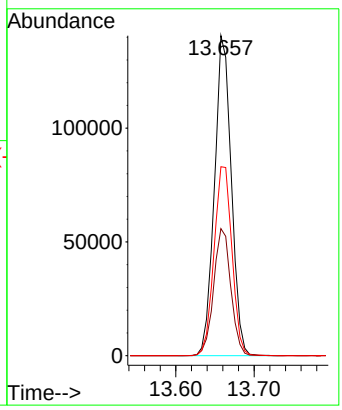




#91
1,2-Dichlorobenzene
Concen: 51.528 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:146 Resp: 21106

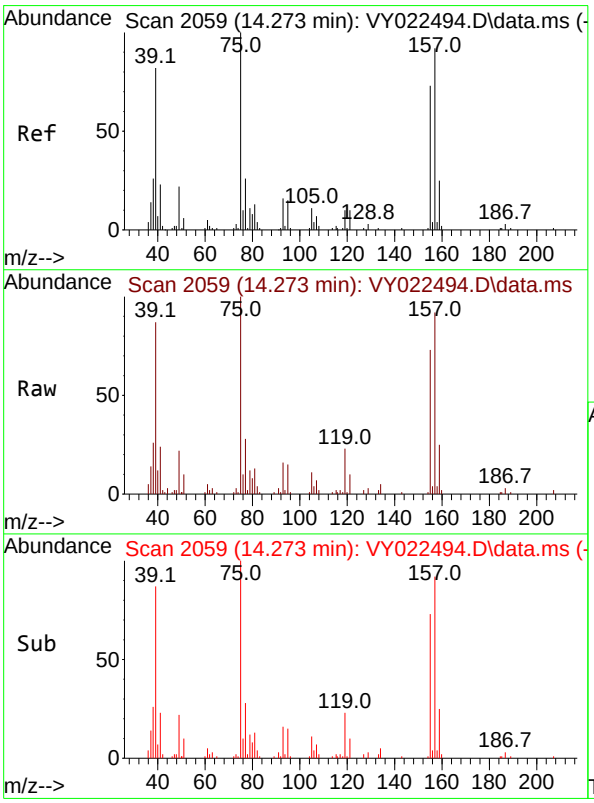
Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.2	60.6
148	62.7	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

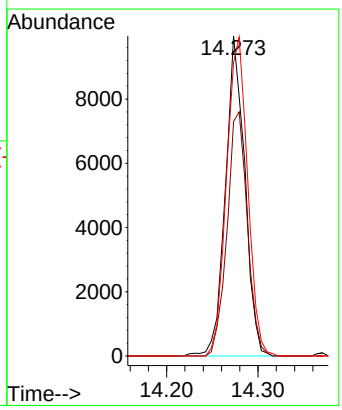
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

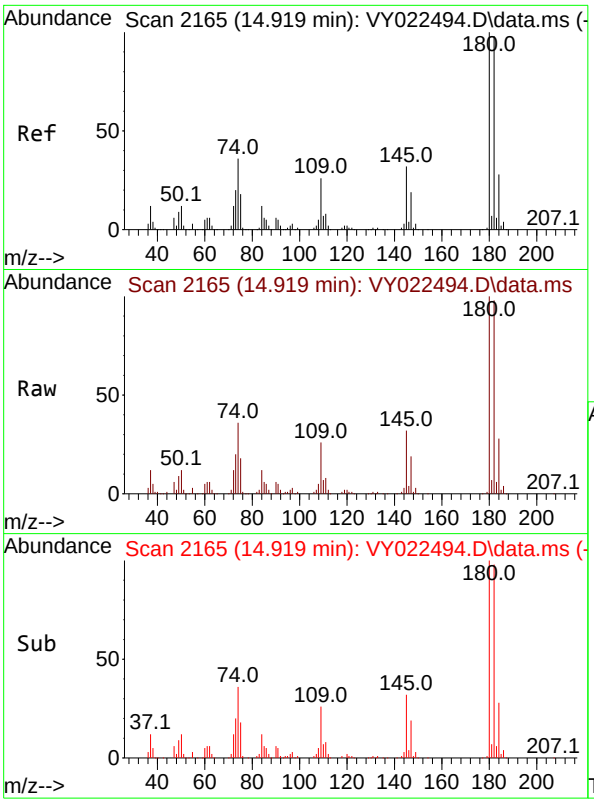


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.244 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 75 Resp: 14697

Ion	Ratio	Lower	Upper
75	100		
155	79.7	39.9	119.6
157	108.0	54.0	162.0





#93
1,2,4-Trichlorobenzene
Concen: 50.919 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

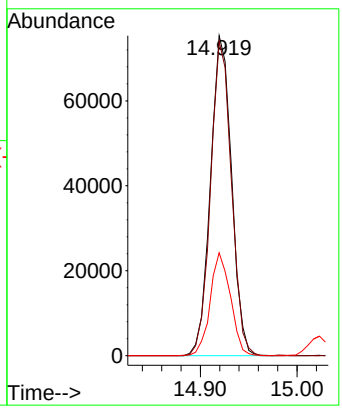
Tgt Ion:180 Resp: 11400

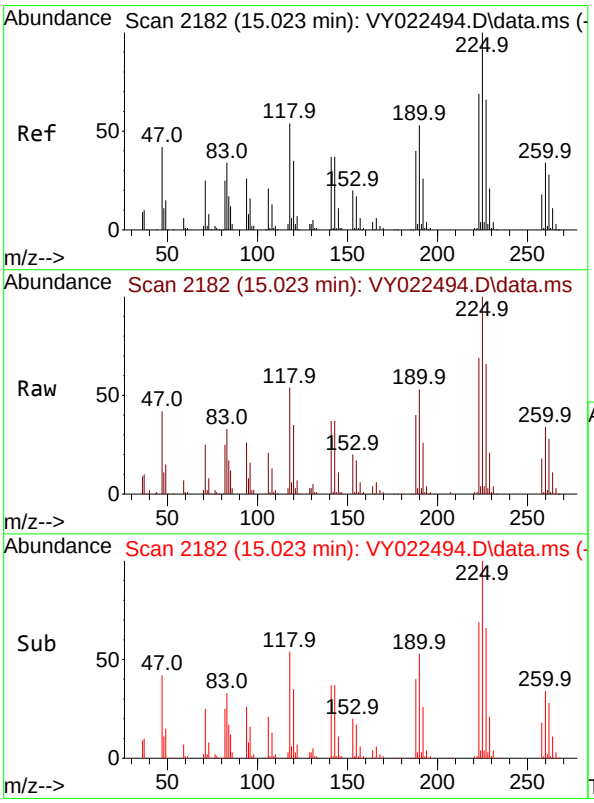
Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.4	145.3
145	31.0	15.5	46.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

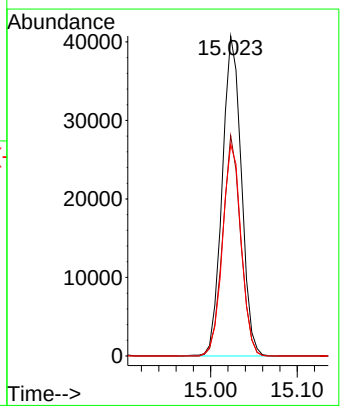


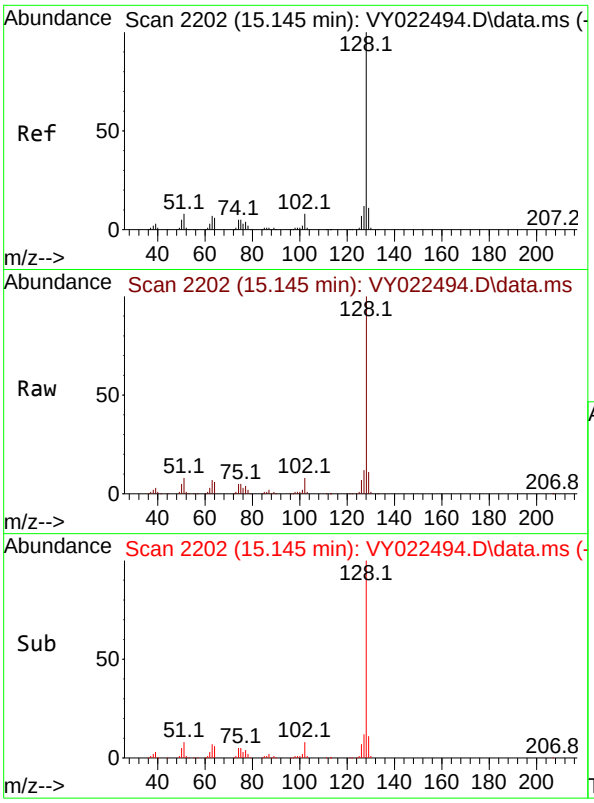


#94
Hexachlorobutadiene
Concen: 51.054 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:225 Resp: 62434

Ion	Ratio	Lower	Upper
225	100		
223	64.9	32.5	97.4
227	64.6	32.3	96.9

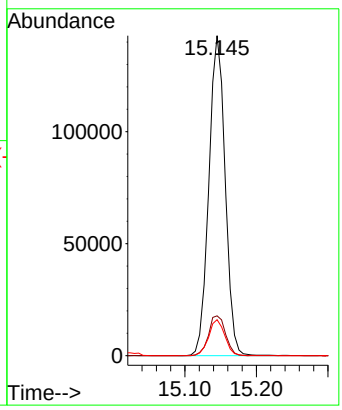




#95
Naphthalene
Concen: 52.686 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:128 Resp: 22607

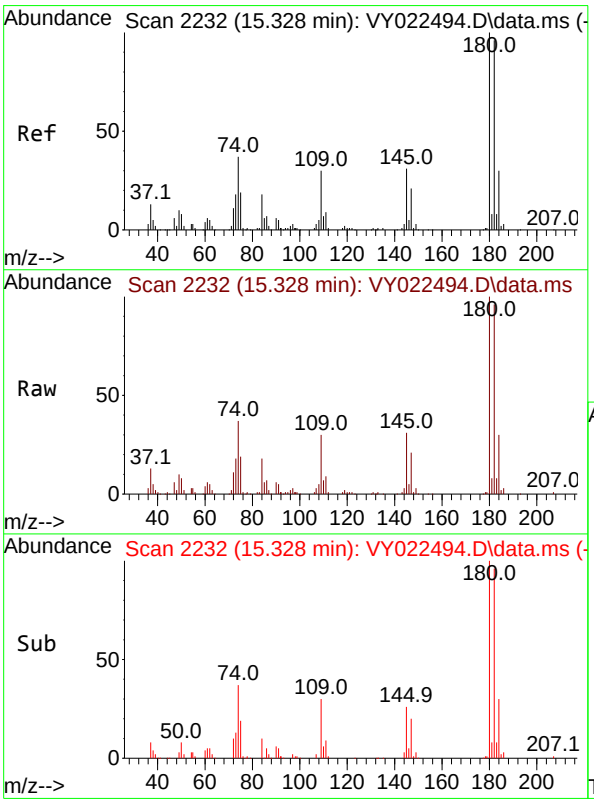
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.1	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

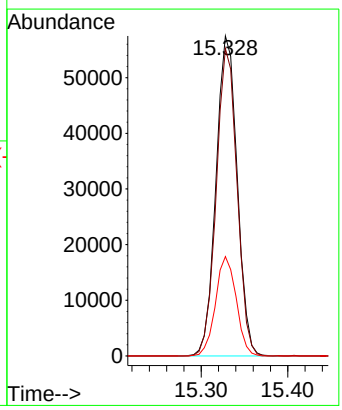
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.295 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:180 Resp: 97609

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.1	141.3
145	30.4	15.2	45.6



QC SAMPLE DATA

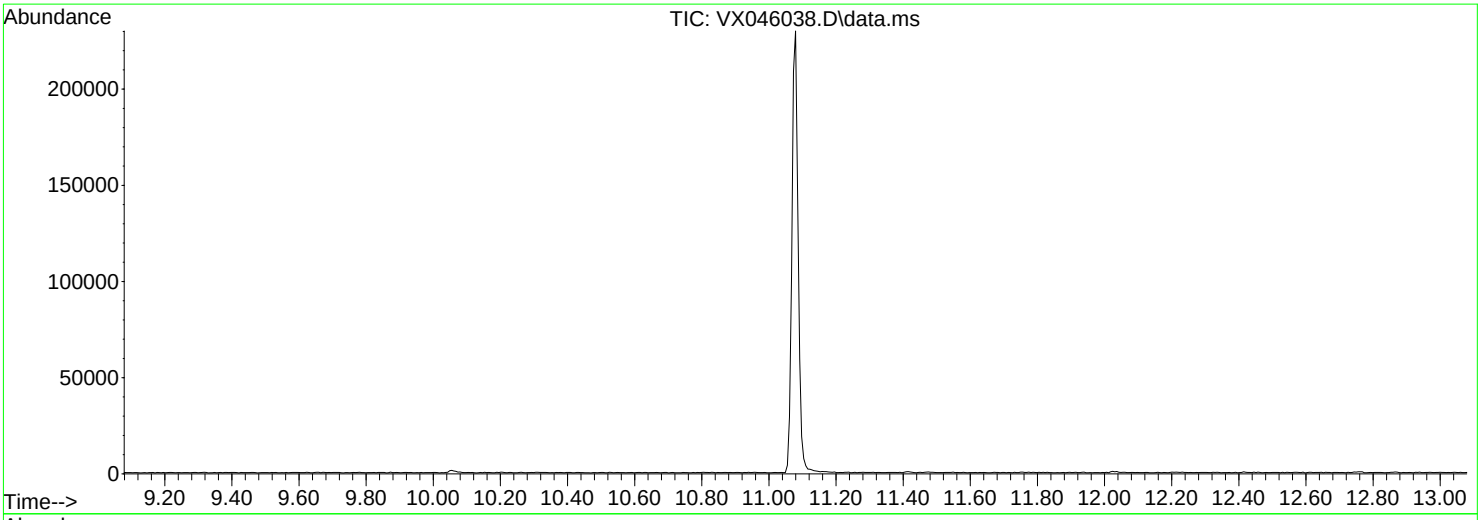
Sample Results: **VX046038.D**

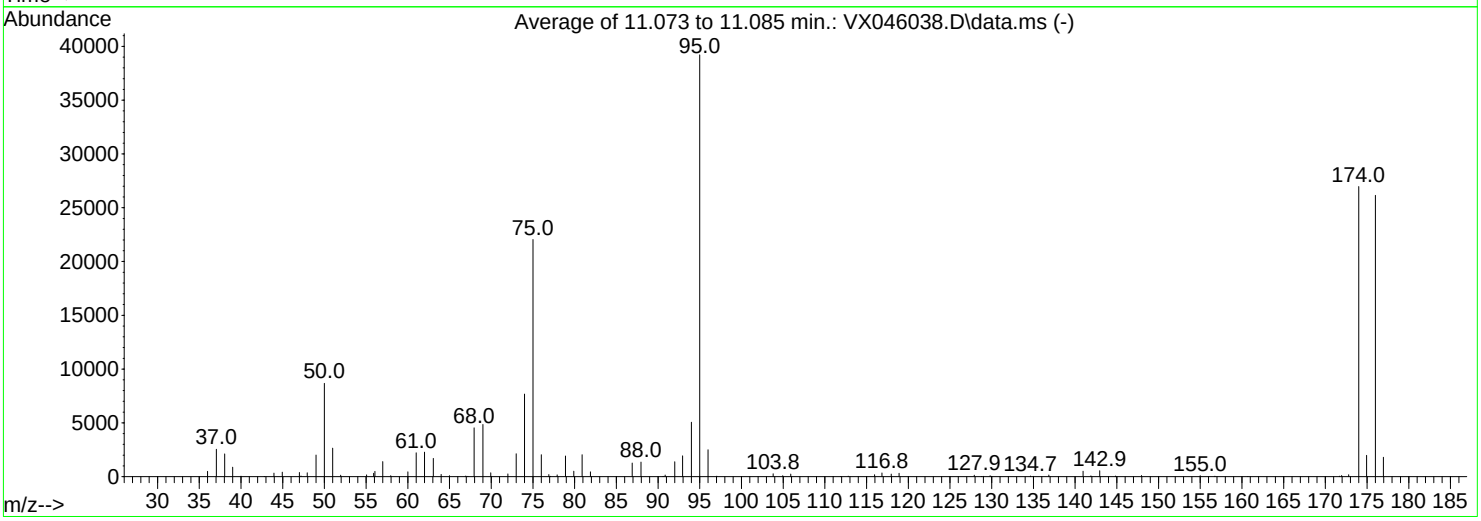
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046038.D
Acq On : 05 May 2025 09:37
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260
Last Update : Tue May 06 07:12:22 2025





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1631

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.1	8676	PASS
75	95	30	60	56.2	22052	PASS
95	95	100	100	100.0	39213	PASS
96	95	5	9	6.4	2505	PASS
173	174	0.00	2	0.7	185	PASS
174	95	50	100	68.8	26963	PASS
175	174	5	9	7.3	1980	PASS
176	174	95	101	97.0	26147	PASS
177	176	5	9	6.9	1802	PASS

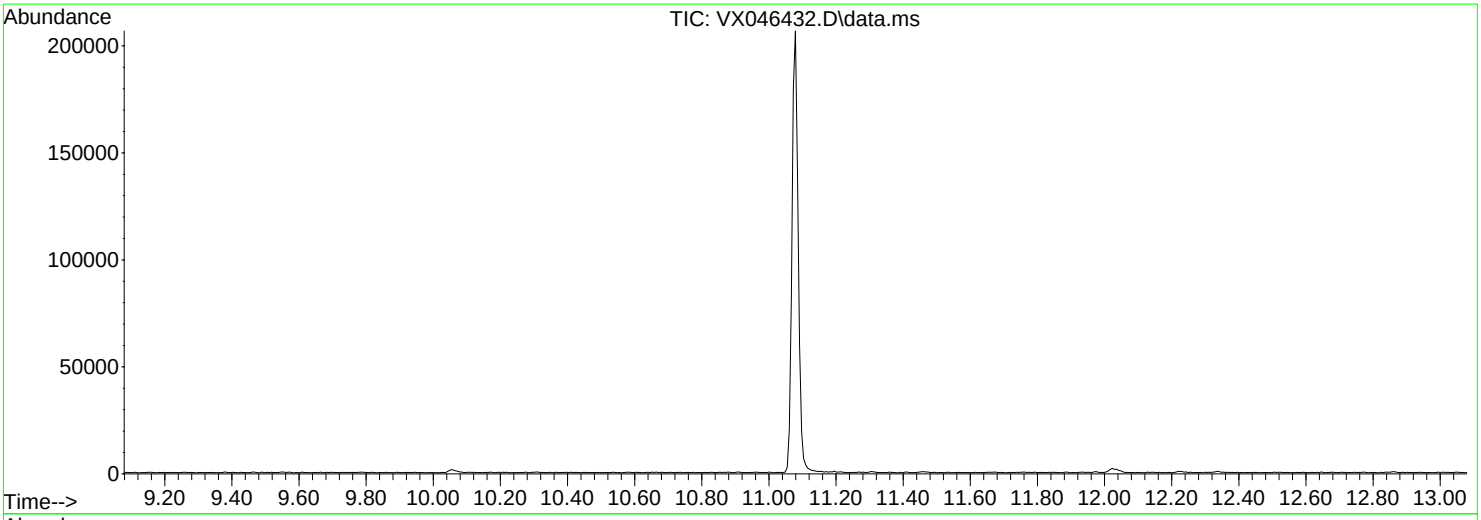
Sample Results: **VX046432.D**

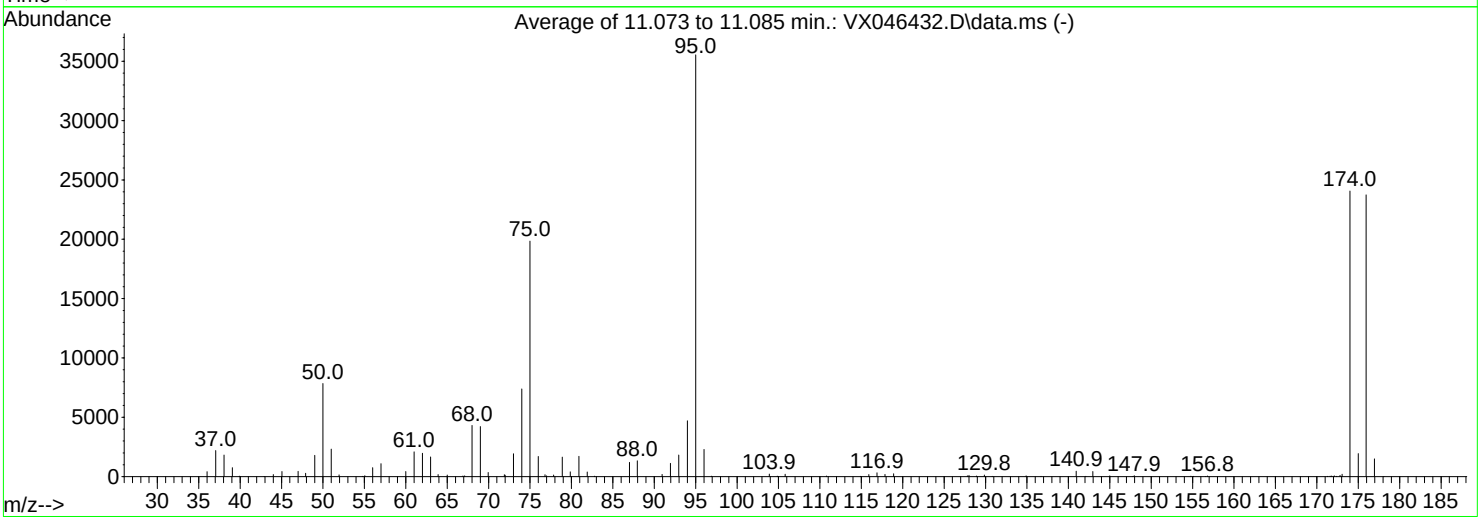
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046432.D
Acq On : 02 Jun 2025 09:42
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260
Last Update : Tue May 06 07:12:22 2025





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.1	7851	PASS
75	95	30	60	55.8	19842	PASS
95	95	100	100	100.0	35539	PASS
96	95	5	9	6.4	2286	PASS
173	174	0.00	2	0.9	206	PASS
174	95	50	100	67.7	24069	PASS
175	174	5	9	8.1	1940	PASS
176	174	95	101	98.6	23741	PASS
177	176	5	9	6.3	1503	PASS

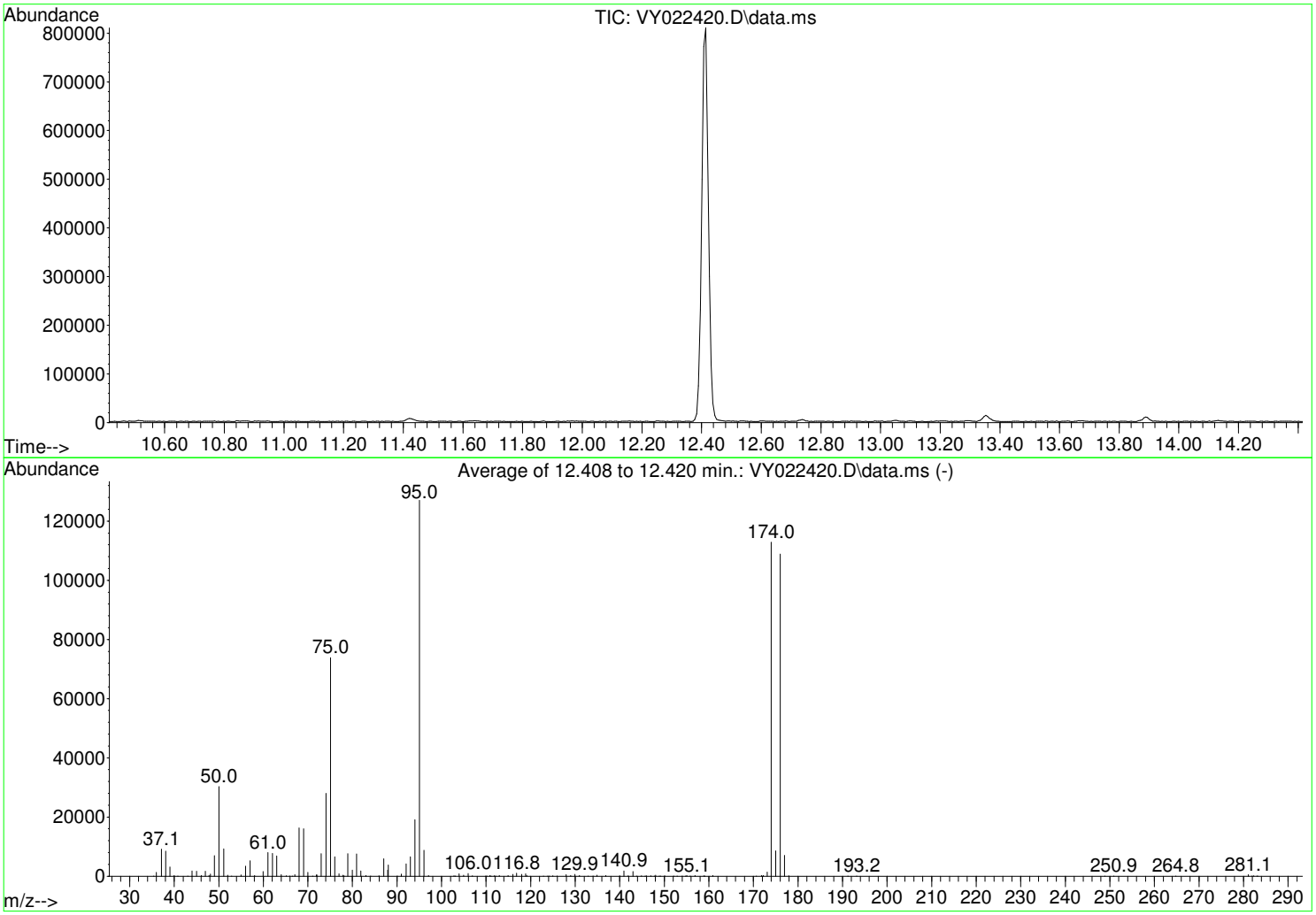
Sample Results: **VY022420.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022420.D
Acq On : 27 May 2025 08:20
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Title : SW846 8260
Last Update : Wed May 28 10:34:06 2025



AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1745

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.8	30285	PASS
75	95	30	60	58.1	73816	PASS
95	95	100	100	100.0	127085	PASS
96	95	5	9	6.9	8787	PASS
173	174	0.00	2	1.2	1405	PASS
174	95	50	100	88.8	112901	PASS
175	174	5	9	7.6	8537	PASS
176	174	95	101	96.4	108888	PASS
177	176	5	9	6.5	7038	PASS

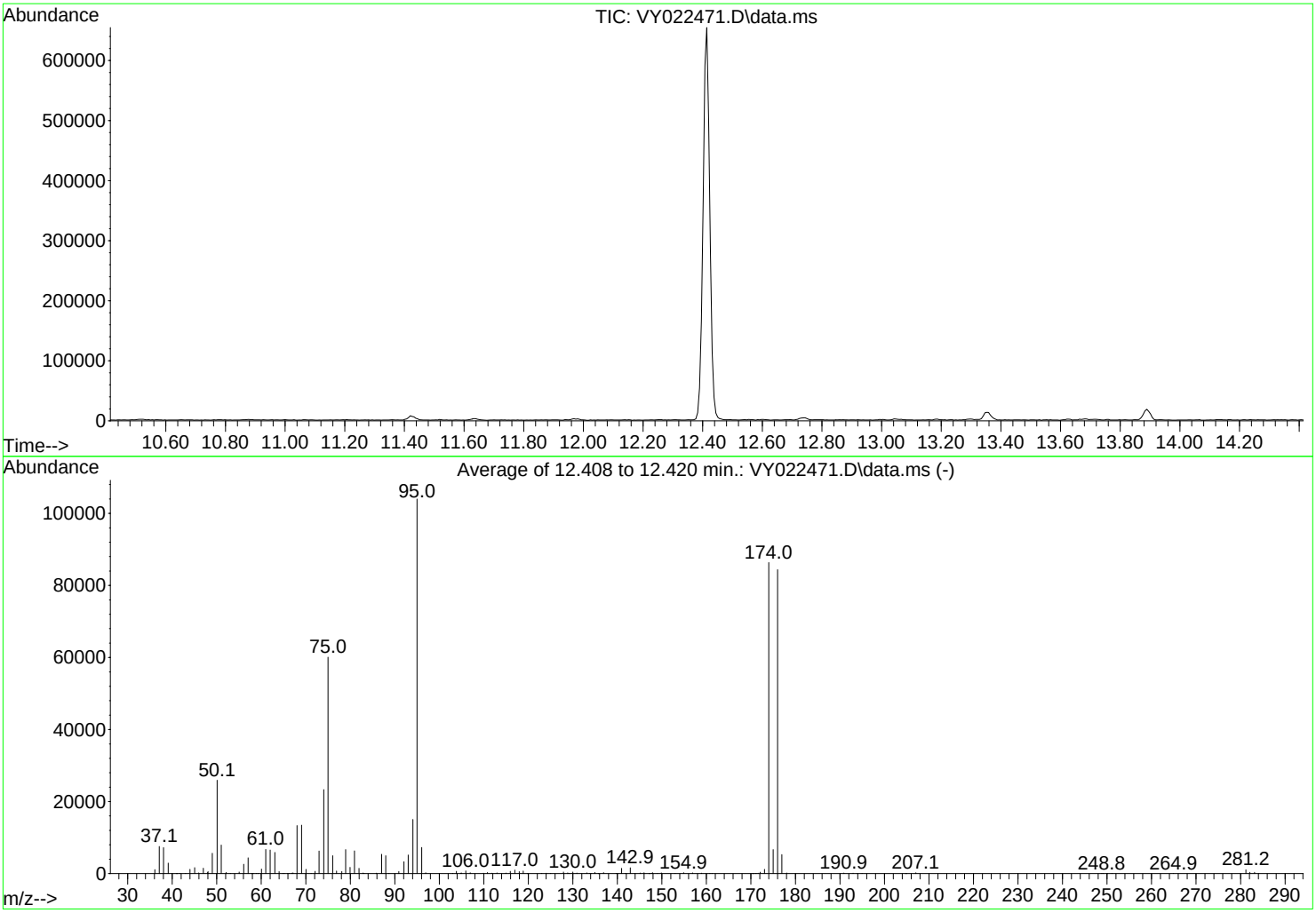
Sample Results: **VY022471.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
Data File : VY022471.D
Acq On : 30 May 2025 07:54
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Title : SW846 8260
Last Update : Wed May 28 10:34:06 2025



AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1745

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.9	25928	PASS
75	95	30	60	57.8	60075	PASS
95	95	100	100	100.0	104000	PASS
96	95	5	9	7.0	7276	PASS
173	174	0.00	2	1.4	1187	PASS
174	95	50	100	83.0	86352	PASS
175	174	5	9	7.7	6672	PASS
176	174	95	101	97.7	84392	PASS
177	176	5	9	6.3	5296	PASS

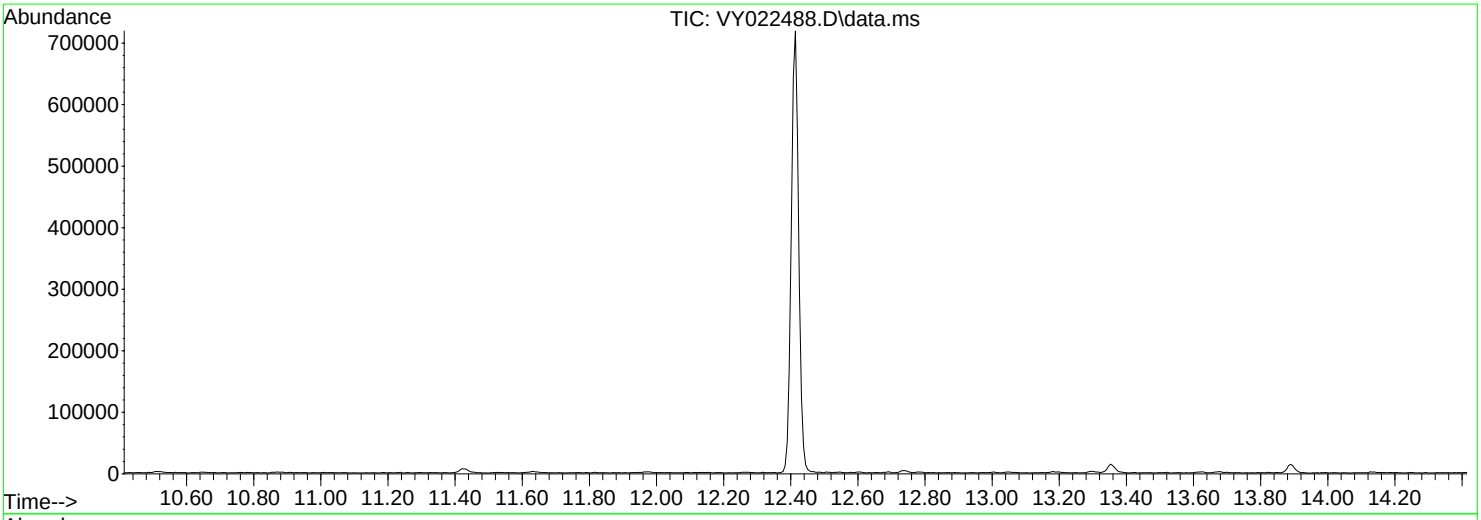
Sample Results: **VY022488.D**

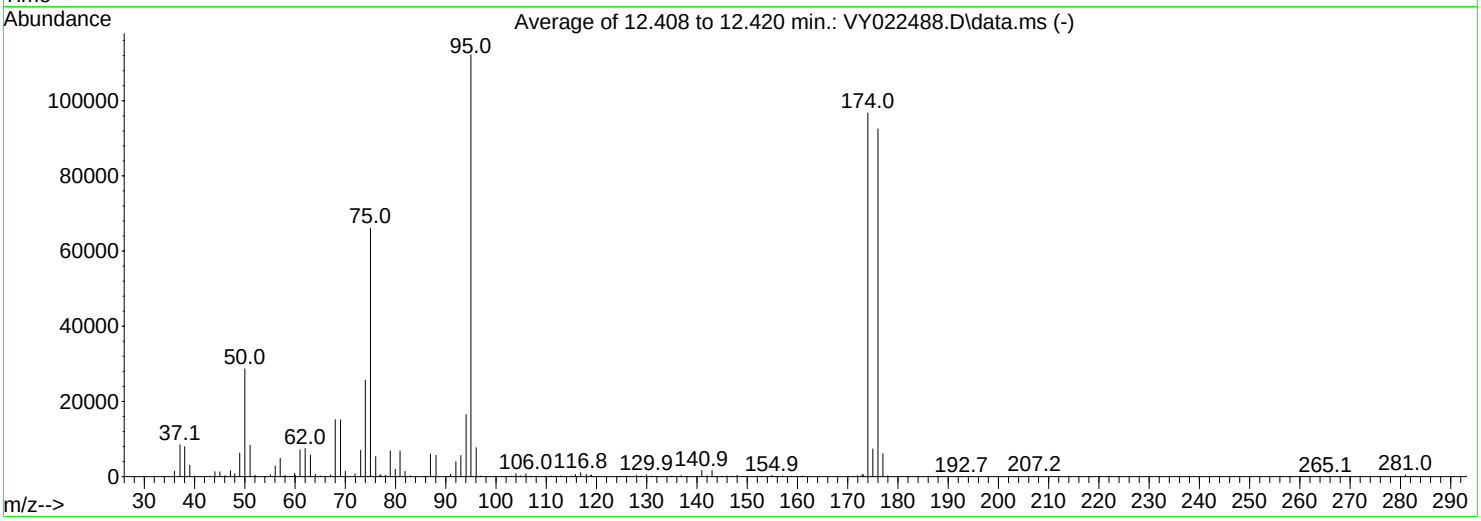
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022488.D
Acq On : 02 Jun 2025 08:31
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Title : SW846 8260
Last Update : Tue Jun 03 03:22:04 2025





AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1745

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.6	28688	PASS
75	95	30	60	58.9	66115	PASS
95	95	100	100	100.0	112208	PASS
96	95	5	9	6.9	7706	PASS
173	174	0.00	2	0.6	591	PASS
174	95	50	100	86.2	96760	PASS
175	174	5	9	7.6	7372	PASS
176	174	95	101	95.6	92520	PASS
177	176	5	9	6.6	6076	PASS

Raw Data: **VY022473.D**

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

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	
Project:	NYC DOT Harper Street Yard North	Date Received:	
Client Sample ID:	VY0530SBL01	SDG No.:	Q2161
Lab Sample ID:	VY0530SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022473.D	1		05/30/25 12:42	VY053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

Raw Data: **VY022473.D**

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

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	
Project:	NYC DOT Harper Street Yard North	Date Received:	
Client Sample ID:	VY0530SBL01	SDG No.:	Q2161
Lab Sample ID:	VY0530SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022473.D	1		05/30/25 12:42	VY053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.4		63 - 155	107%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	49.9		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.7		17 - 146	81%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	295000	7.707			
540-36-3	1,4-Difluorobenzene	539000	8.616			
3114-55-4	Chlorobenzene-d5	420000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.347			

Raw Data: **VY022473.D**

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

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	
Project:	NYC DOT Harper Street Yard North	Date Received:	
Client Sample ID:	VY0530SBL01	SDG No.:	Q2161
Lab Sample ID:	VY0530SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022473.D	1		05/30/25 12:42	VY053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
Data File : VY022473.D
Acq On : 30 May 2025 12:42
Operator : SY/MD
Sample : VY0530SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBL01

Quant Time: May 31 02:24:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	294864	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	538664	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	419577	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	145190	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	165997	53.447	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.900%			
35) Dibromofluoromethane	7.634	113	162157	51.404	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.800%			
50) Toluene-d8	10.109	98	641910	49.916	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.840%			
62) 4-Bromofluorobenzene	12.408	95	158287	40.692	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 81.380%			

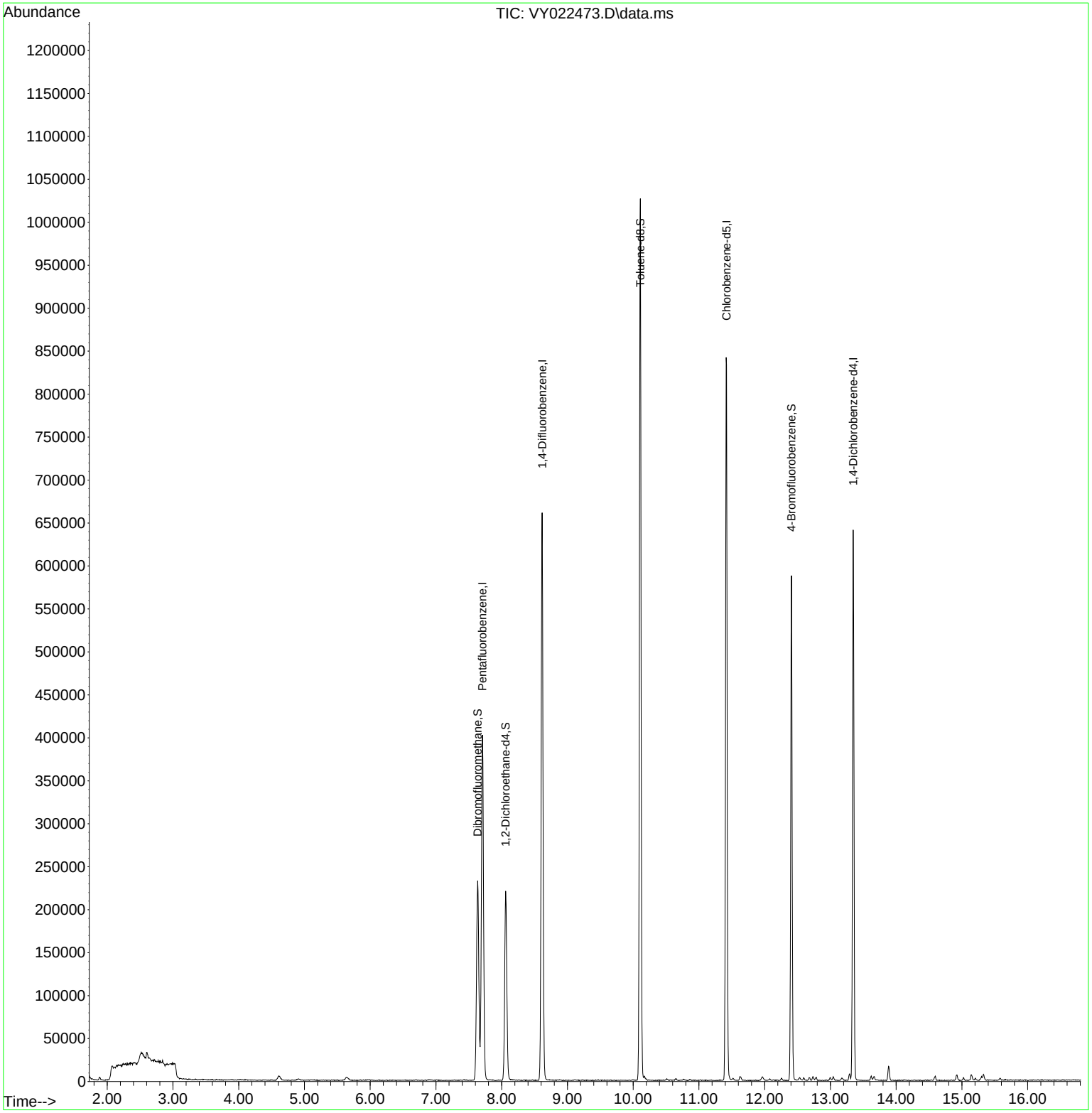
Target Compounds Qvalue

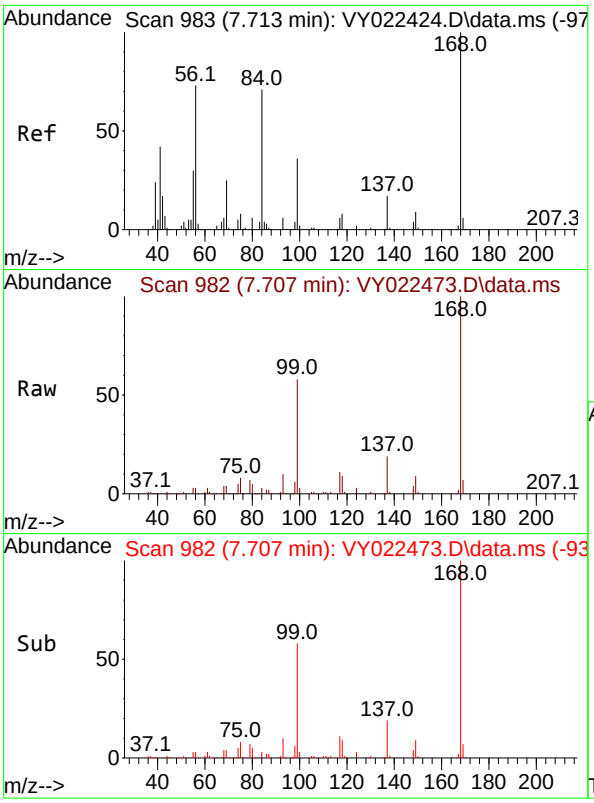
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
Data File : VY022473.D
Acq On : 30 May 2025 12:42
Operator : SY/MD
Sample : VY0530SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBL01

Quant Time: May 31 02:24:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration



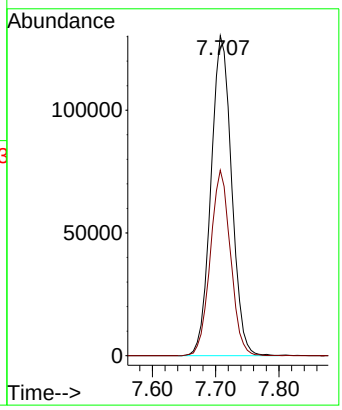


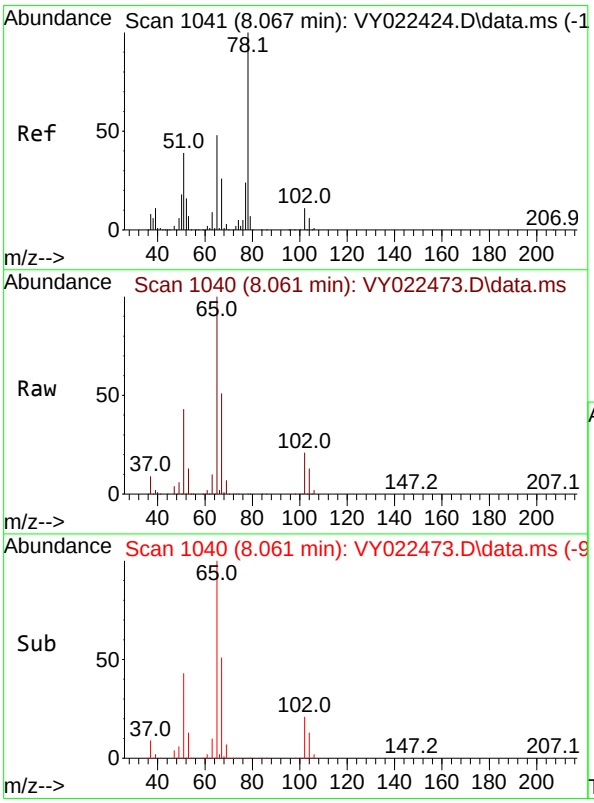
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022473.D
Acq: 30 May 2025 12:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBL01

Tgt Ion:168 Resp: 294864

Ion	Ratio	Lower	Upper
168	100		
99	58.0	44.7	67.1

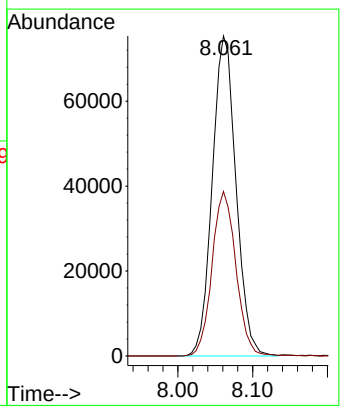


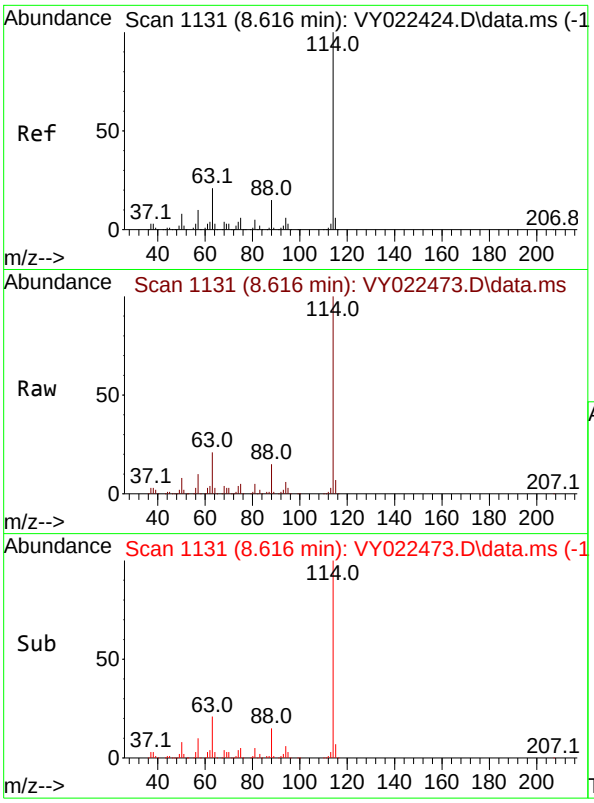


#33
1,2-Dichloroethane-d4
Concen: 53.447 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022473.D
Acq: 30 May 2025 12:42

Tgt Ion: 65 Resp: 165997

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	104.4



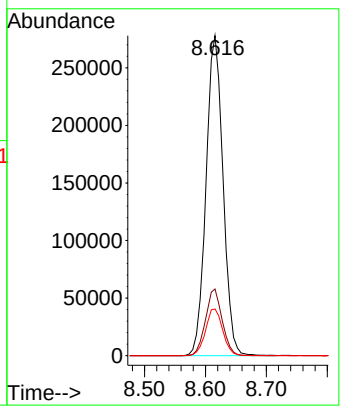


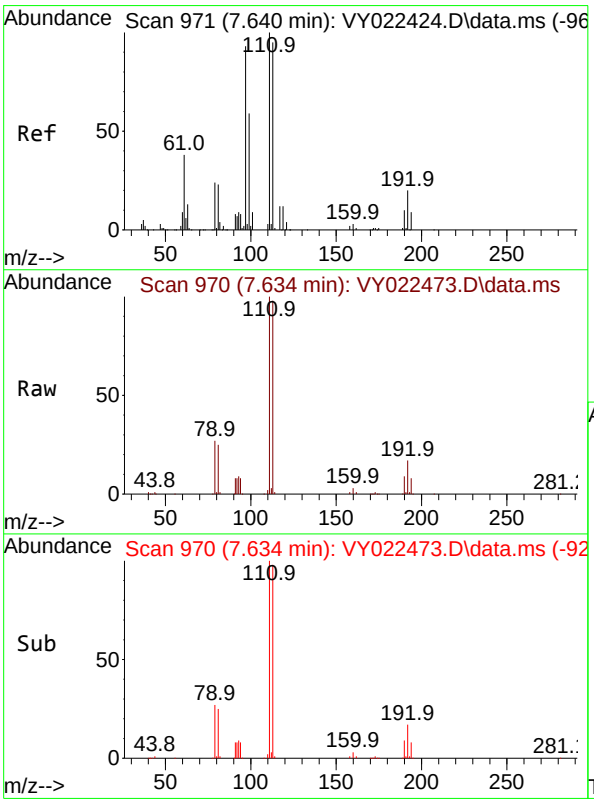
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022473.D
Acq: 30 May 2025 12:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBL01

Tgt Ion:114 Resp: 538664

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	42.6
88	14.6	0.0	29.4

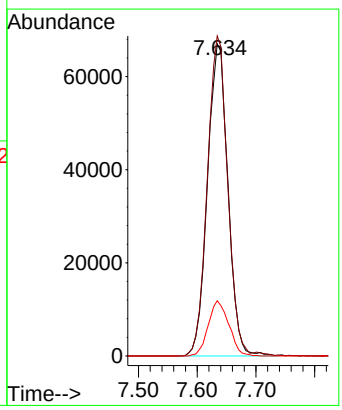


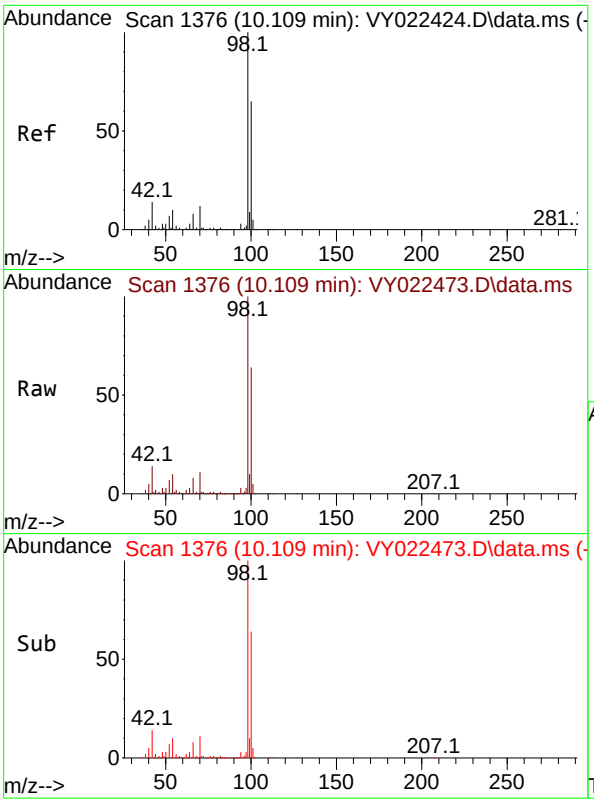


#35
Dibromofluoromethane
Concen: 51.404 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022473.D
Acq: 30 May 2025 12:42

Tgt Ion:113 Resp: 162157

Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.4	123.6
192	17.8	15.2	22.8



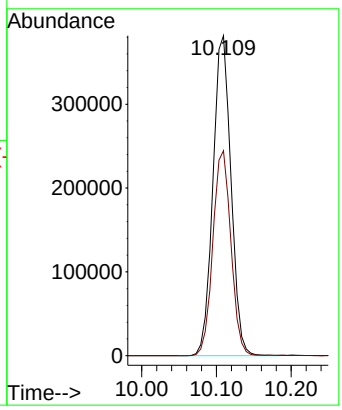


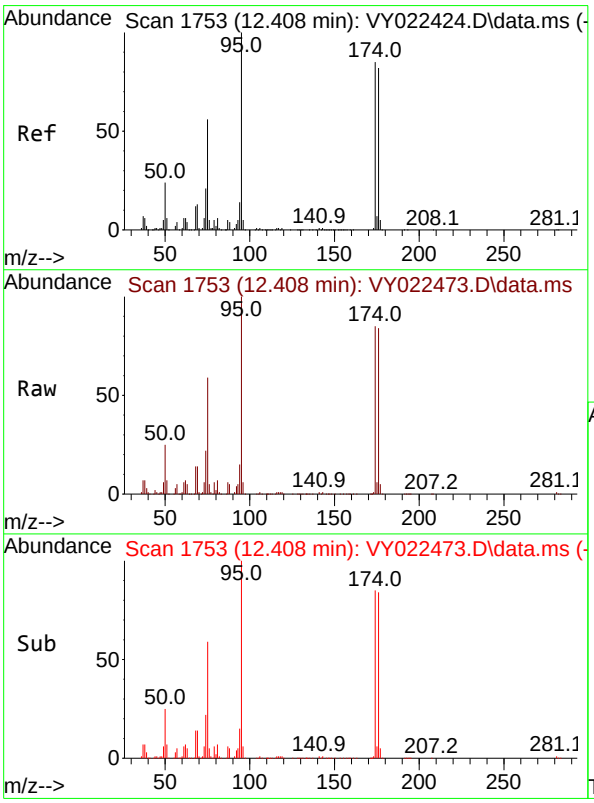
#50
Toluene-d8
Concen: 49.916 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022473.D
Acq: 30 May 2025 12:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBL01

Tgt Ion: 98 Resp: 641910

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.2	78.2

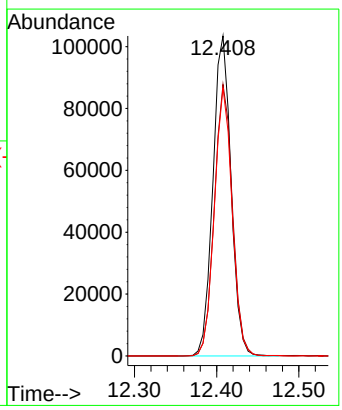


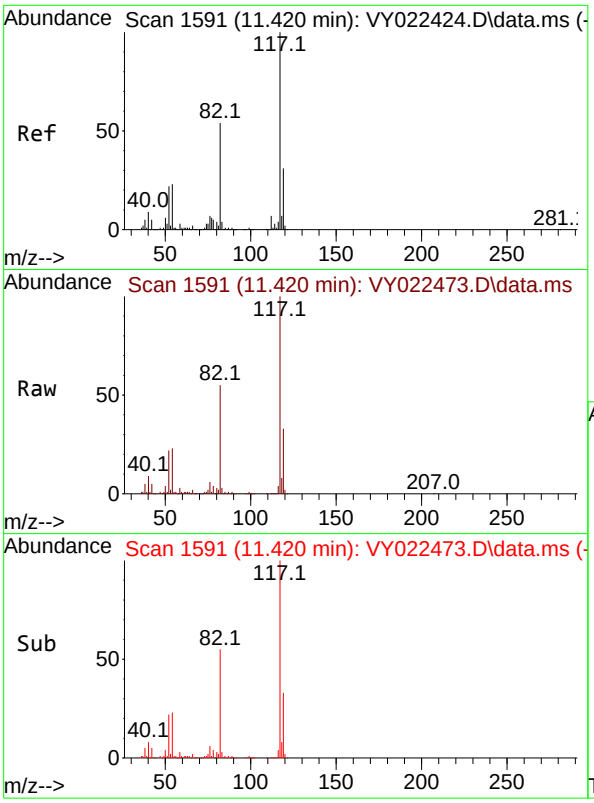


#62
4-Bromofluorobenzene
Concen: 40.692 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022473.D
Acq: 30 May 2025 12:42

Tgt Ion: 95 Resp: 158287

Ion	Ratio	Lower	Upper
95	100		
174	84.9	0.0	171.6
176	82.5	0.0	164.6



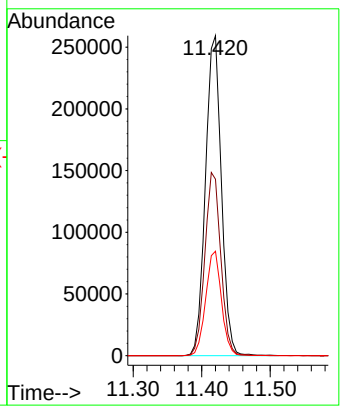


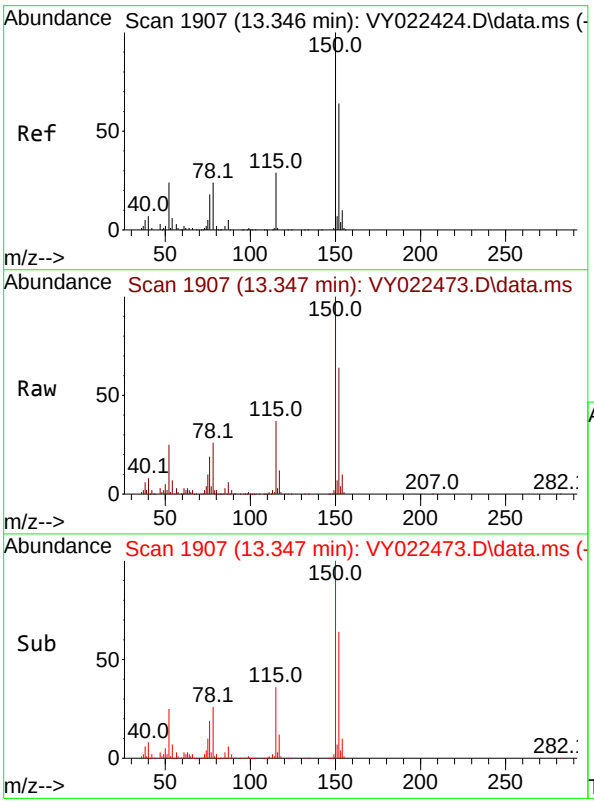
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022473.D
Acq: 30 May 2025 12:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBL01

Tgt Ion:117 Resp: 419577

Ion	Ratio	Lower	Upper
117	100		
82	55.2	43.3	64.9
119	32.7	24.5	36.7

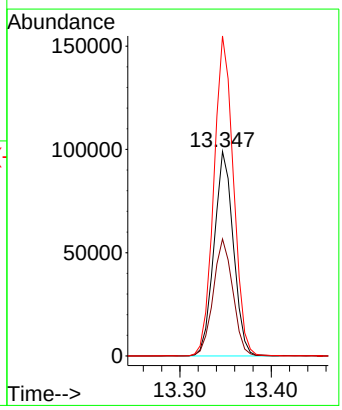




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022473.D
Acq: 30 May 2025 12:42

Tgt Ion:152 Resp: 145190

Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.4	85.3
150	158.9	0.0	345.8



Raw Data: **VY022499.D**

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

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	
Project:	NYC DOT Harper Street Yard North	Date Received:	
Client Sample ID:	VY0602SBL02	SDG No.:	Q2161
Lab Sample ID:	VY0602SBL02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022499.D	1		06/02/25 16:00	VY060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

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

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	
Project:	NYC DOT Harper Street Yard North	Date Received:	
Client Sample ID:	VY0602SBL02	SDG No.:	Q2161
Lab Sample ID:	VY0602SBL02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022499.D	1		06/02/25 16:00	VY060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.2		63 - 155	106%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	49.7		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.8		17 - 146	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	309000	7.707			
540-36-3	1,4-Difluorobenzene	557000	8.616			
3114-55-4	Chlorobenzene-d5	443000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	162000	13.347			

Raw Data: **VY022499.D**

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

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	
Project:	NYC DOT Harper Street Yard North	Date Received:	
Client Sample ID:	VY0602SBL02	SDG No.:	Q2161
Lab Sample ID:	VY0602SBL02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022499.D	1		06/02/25 16:00	VY060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022499.D
Acq On : 02 Jun 2025 16:00
Operator : SY/MD
Sample : VY0602SBL02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBL02

Quant Time: Jun 03 04:06:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	309051	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	557091	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	442919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	162489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	183940	53.215	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.420%			
35) Dibromofluoromethane	7.634	113	169603	51.006	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.020%			
50) Toluene-d8	10.109	98	667368	49.671	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.340%			
62) 4-Bromofluorobenzene	12.408	95	171494	42.839	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.680%			

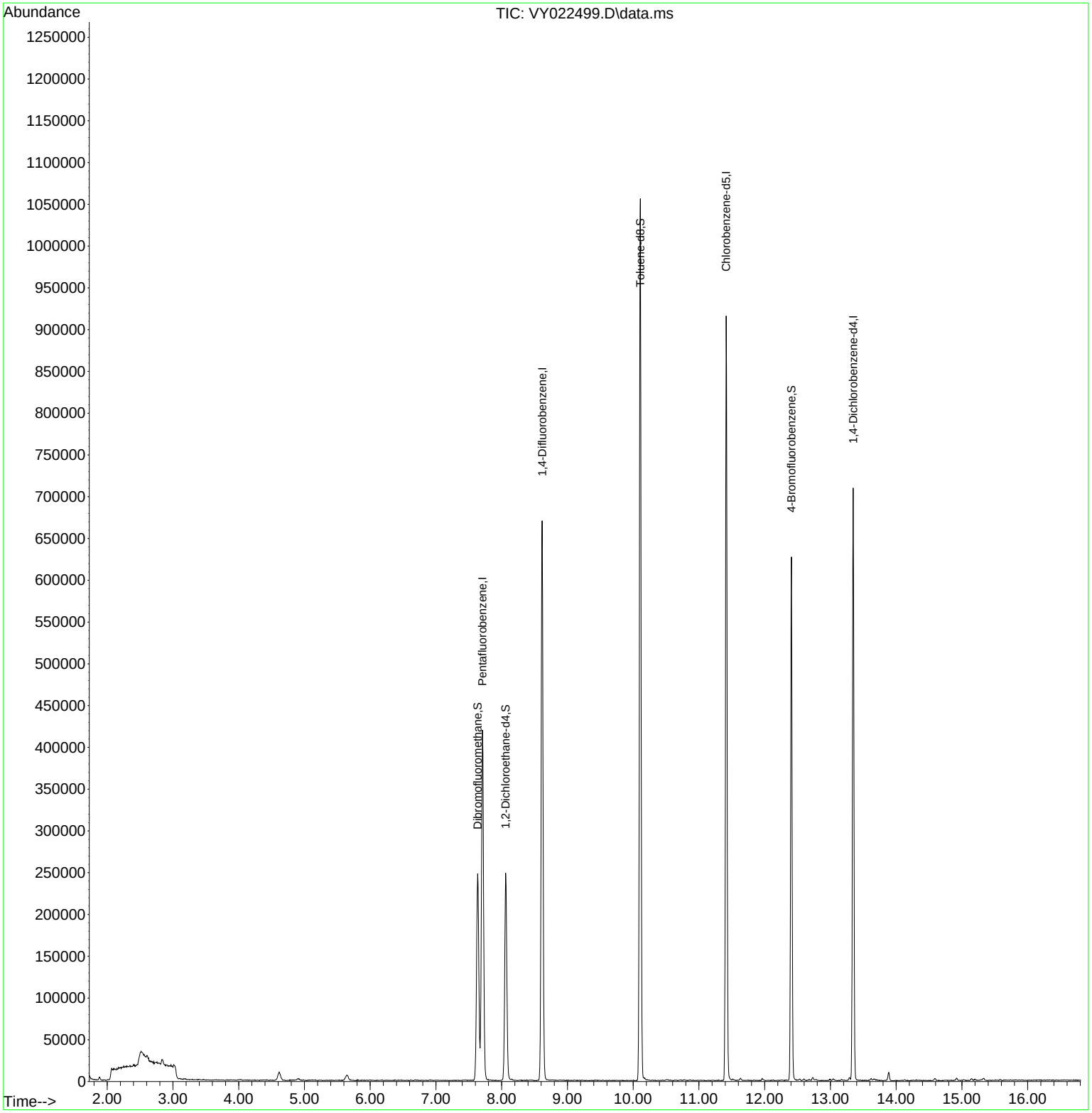
Target Compounds Qvalue

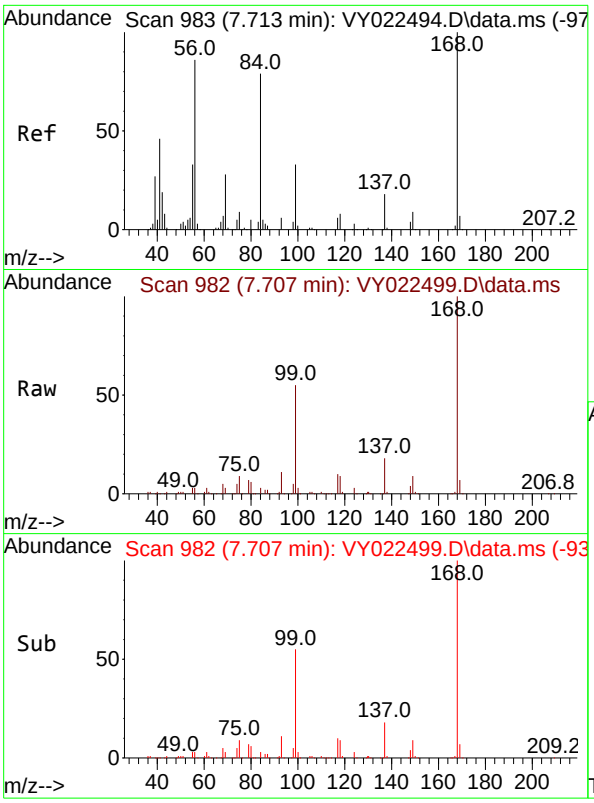
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022499.D
Acq On : 02 Jun 2025 16:00
Operator : SY/MD
Sample : VY0602SBL02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBL02

Quant Time: Jun 03 04:06:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration



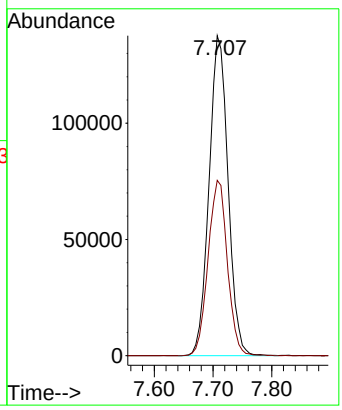


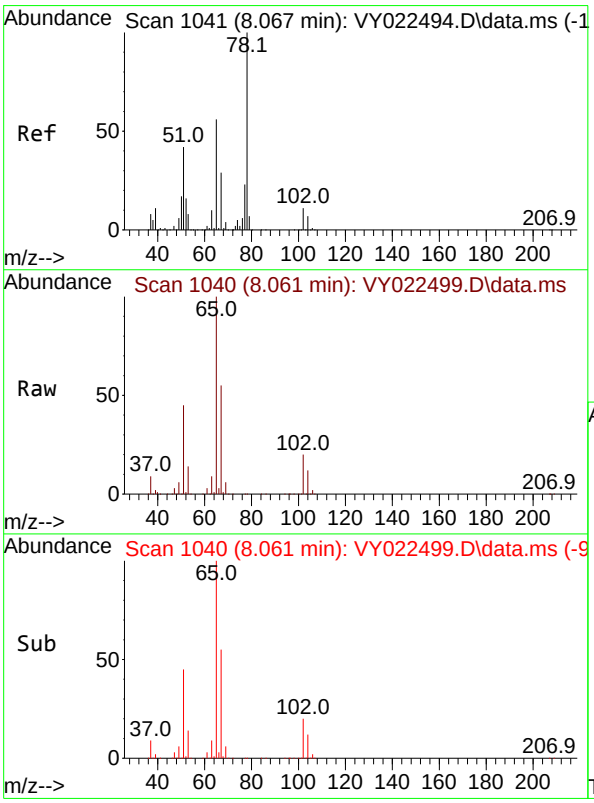
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022499.D
Acq: 02 Jun 2025 16:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBL02

Tgt Ion:168 Resp: 309051

Ion	Ratio	Lower	Upper
168	100		
99	54.8	44.3	66.5

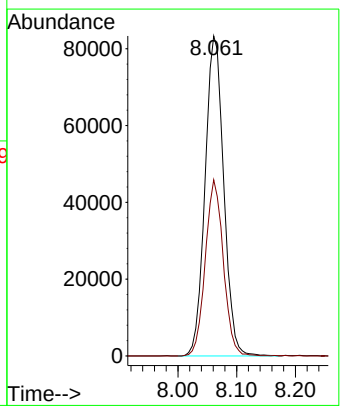


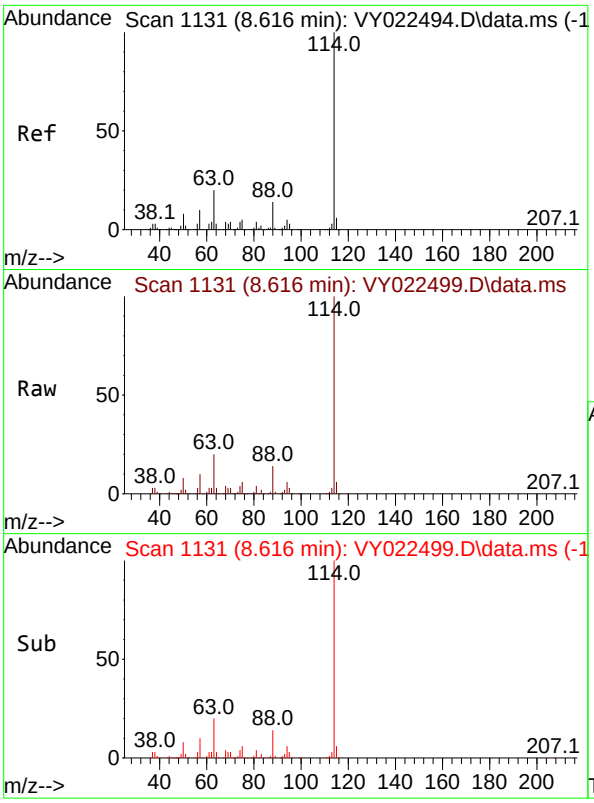


#33
1,2-Dichloroethane-d4
Concen: 53.215 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022499.D
Acq: 02 Jun 2025 16:00

Tgt Ion: 65 Resp: 183940

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	103.4



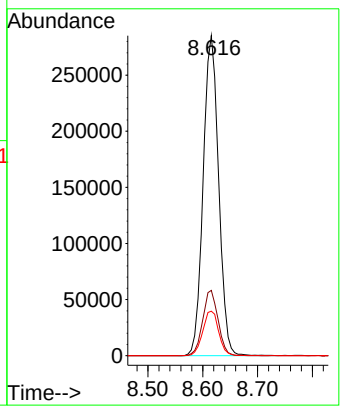


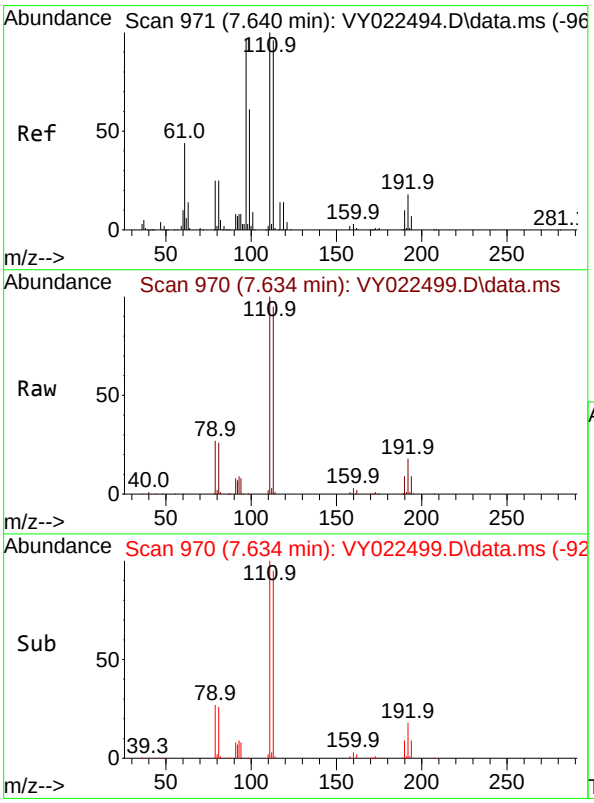
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022499.D
Acq: 02 Jun 2025 16:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBL02

Tgt Ion:114 Resp: 557091

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	13.9	0.0	27.8

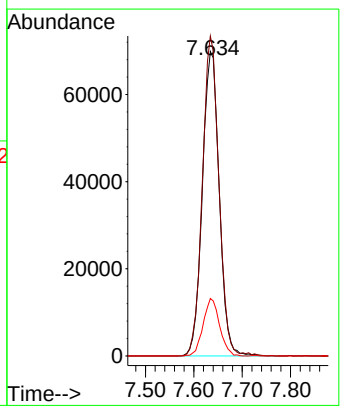


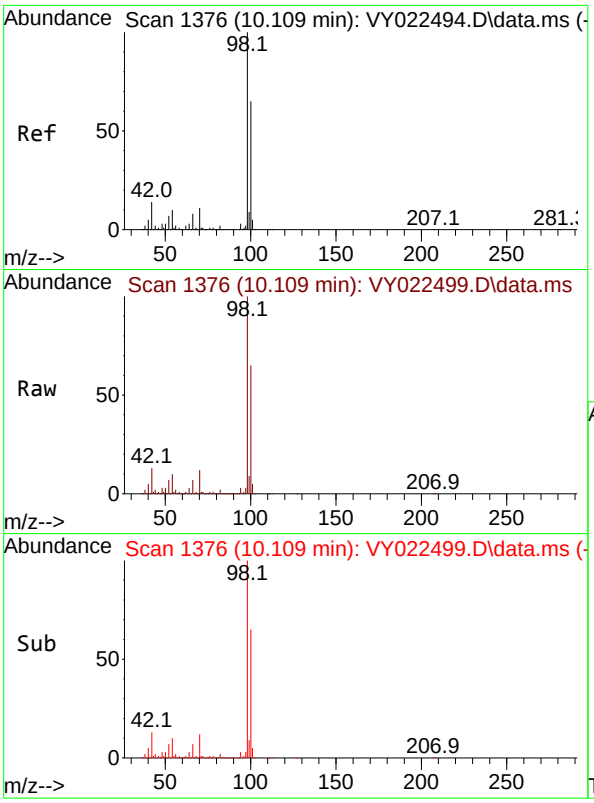


#35
Dibromofluoromethane
Concen: 51.006 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022499.D
Acq: 02 Jun 2025 16:00

Tgt Ion:113 Resp: 169603

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.1	121.7
192	18.4	14.2	21.2



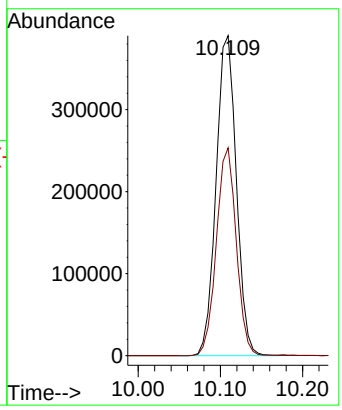


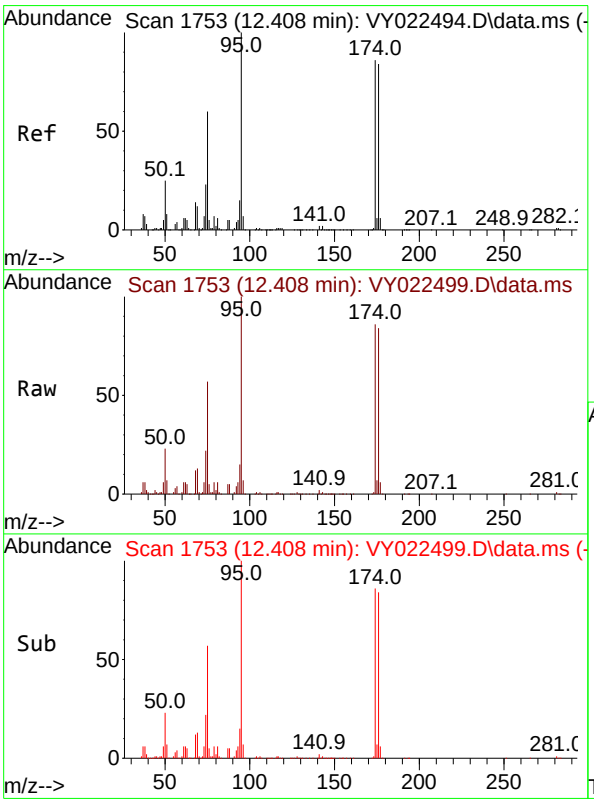
#50
Toluene-d8
Concen: 49.671 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022499.D
Acq: 02 Jun 2025 16:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBL02

Tgt Ion: 98 Resp: 667368

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.4	77.0

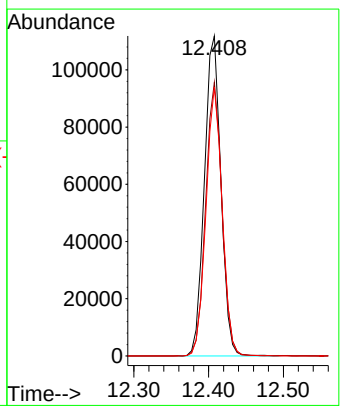


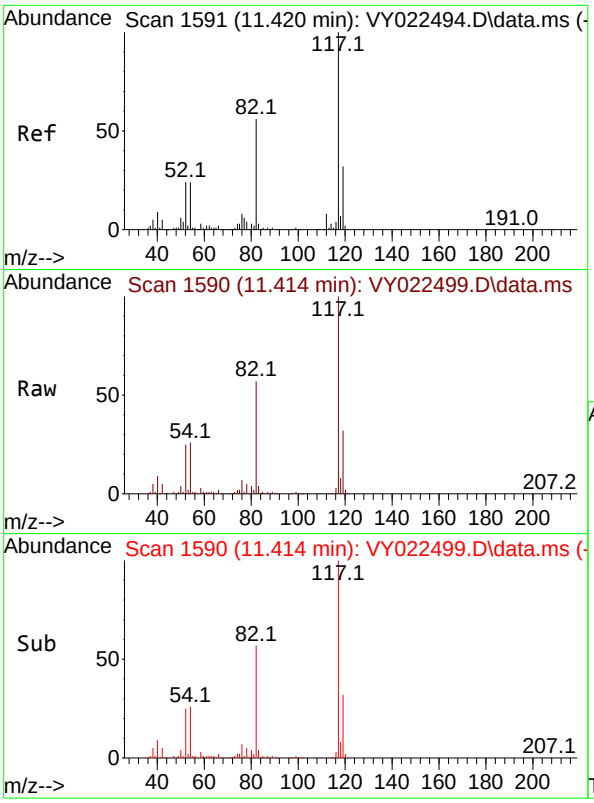


#62
4-Bromofluorobenzene
Concen: 42.839 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022499.D
Acq: 02 Jun 2025 16:00

Tgt Ion: 95 Resp: 171494

Ion	Ratio	Lower	Upper
95	100		
174	84.7	0.0	170.0
176	82.6	0.0	166.2



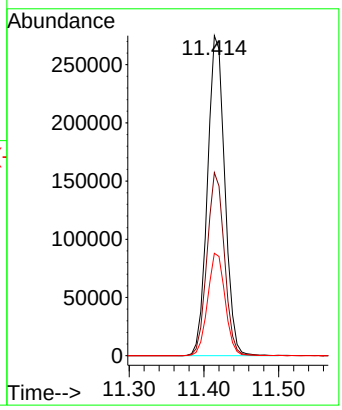


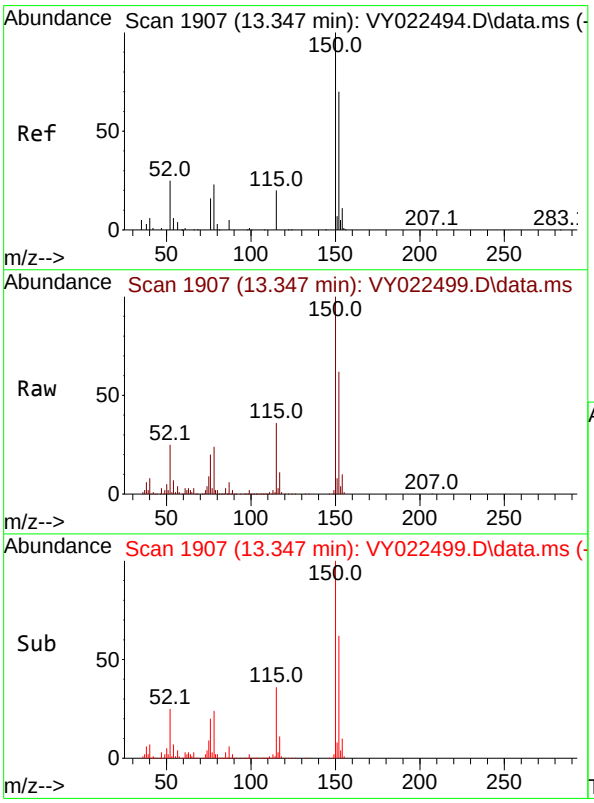
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022499.D
Acq: 02 Jun 2025 16:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBL02

Tgt Ion:117 Resp: 442919

Ion	Ratio	Lower	Upper
117	100		
82	57.2	44.6	66.8
119	32.0	25.4	38.0

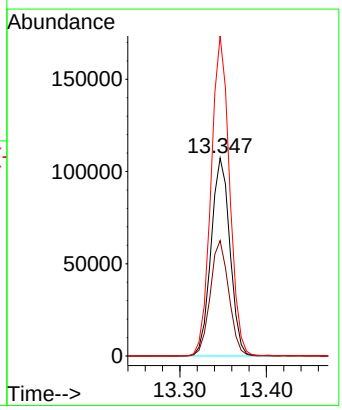




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022499.D
Acq: 02 Jun 2025 16:00

Tgt Ion:152 Resp: 162489

Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.9	86.7
150	158.3	0.0	349.6



Raw Data: **VY022474.D**

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

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	
Project:	NYC DOT Harper Street Yard North	Date Received:	
Client Sample ID:	VY0530SBS01	SDG No.:	Q2161
Lab Sample ID:	VY0530SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022474.D	1		05/30/25 13:14	VY053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	23.7		1.10	5.00	ug/Kg
74-87-3	Chloromethane	29.4		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	27.2		0.79	5.00	ug/Kg
74-83-9	Bromomethane	28.7		1.10	5.00	ug/Kg
75-00-3	Chloroethane	27.2		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	26.1		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	22.6		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	23.1		1.00	5.00	ug/Kg
67-64-1	Acetone	110		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	22.3		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	23.0		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	25.3		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	24.1		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	23.0		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	23.9		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	22.0		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.3		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	22.9		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	24.0		1.20	5.00	ug/Kg
67-66-3	Chloroform	24.0		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	22.8		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.7		0.91	5.00	ug/Kg
71-43-2	Benzene	21.7		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.8		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.9		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.5		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.8		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	21.5		0.78	5.00	ug/Kg

Raw Data: **VY022474.D**

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

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	
Project:	NYC DOT Harper Street Yard North	Date Received:	
Client Sample ID:	VY0530SBS01	SDG No.:	Q2161
Lab Sample ID:	VY0530SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022474.D	1		05/30/25 13:14	VY053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	21.1		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.9		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.6		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	96.5		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.0		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.4		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.5		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	21.3		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.8		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	41.3		1.20	10.0	ug/Kg
95-47-6	o-Xylene	21.2		0.82	5.00	ug/Kg
100-42-5	Styrene	20.6		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.6		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.3		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.3		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	21.0		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.3		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.5		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.0		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.2		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.8		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.4		63 - 155	115%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		70 - 134	104%	SPK: 50
2037-26-5	Toluene-d8	52.3		74 - 123	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		17 - 146	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	186000	7.707			
540-36-3	1,4-Difluorobenzene	333000	8.616			
3114-55-4	Chlorobenzene-d5	281000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	126000	13.346			

Raw Data: **VY022474.D**

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

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	
Project:	NYC DOT Harper Street Yard North	Date Received:	
Client Sample ID:	VY0530SBS01	SDG No.:	Q2161
Lab Sample ID:	VY0530SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022474.D	1		05/30/25 13:14	VY053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
Data File : VY022474.D
Acq On : 30 May 2025 13:14
Operator : SY/MD
Sample : VY0530SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 31 02:25:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	186406	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	333200	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	281139	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	126345	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	112710	57.405	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.800%			
35) Dibromofluoromethane	7.634	113	101504	52.018	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.040%			
50) Toluene-d8	10.103	98	415894	52.283	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.560%			
62) 4-Bromofluorobenzene	12.408	95	121648	50.557	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.120%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	42196	23.726	ug/l	98
3) Chloromethane	2.068	50	128677	29.415	ug/l	98
4) Vinyl Chloride	2.202	62	144461	27.183	ug/l	100
5) Bromomethane	2.592	94	138463	28.671	ug/l	99
6) Chloroethane	2.732	64	94531	27.221	ug/l	97
7) Trichlorofluoromethane	3.049	101	116903	26.072	ug/l	93
8) Diethyl Ether	3.458	74	24241	23.447	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	44364	22.553	ug/l	99
10) Methyl Iodide	4.000	142	45731	20.606	ug/l	99
11) Tert butyl alcohol	4.885	59	14483	104.649	ug/l	99
12) 1,1-Dichloroethene	3.787	96	45173	23.130	ug/l	99
13) Acrolein	3.659	56	18956	91.412	ug/l	100
14) Allyl chloride	4.378	41	67558	22.996	ug/l	98
15) Acrylonitrile	5.061	53	46863	112.454	ug/l	97
16) Acetone	3.879	43	35234	109.206	ug/l	91
17) Carbon Disulfide	4.104	76	138681	22.251	ug/l	100
18) Methyl Acetate	4.391	43	30606	25.324	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	119136	22.977	ug/l	98
20) Methylene Chloride	4.616	84	54795	24.051	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	49059	23.009	ug/l	97
22) Diisopropyl ether	6.018	45	148455	22.896	ug/l	99
23) Vinyl Acetate	5.957	43	403754	108.451	ug/l	99
24) 1,1-Dichloroethane	5.915	63	91642	23.919	ug/l	98
25) 2-Butanone	6.896	43	56982	106.047	ug/l	97
26) 2,2-Dichloropropane	6.878	77	71614	20.643	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	56587	22.925	ug/l	99
28) Bromochloromethane	7.238	49	38419	24.014	ug/l	97
29) Tetrahydrofuran	7.262	42	38811	108.303	ug/l	99
30) Chloroform	7.421	83	90494	23.970	ug/l	99
31) Cyclohexane	7.701	56	83147	22.016	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	78230	22.832	ug/l	98
36) 1,1-Dichloropropene	7.835	75	65246	21.071	ug/l	99
37) Ethyl Acetate	6.982	43	27413	20.831	ug/l	97
38) Carbon Tetrachloride	7.817	117	68592	21.265	ug/l	94
39) Methylcyclohexane	9.109	83	85165	20.691	ug/l	98
40) Benzene	8.079	78	200374	21.748	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
Data File : VY022474.D
Acq On : 30 May 2025 13:14
Operator : SY/MD
Sample : VY0530SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 31 02:25:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	14446m	18.087	ug/l		
42) 1,2-Dichloroethane	8.158	62	53093	21.818	ug/l		98
43) Isopropyl Acetate	8.195	43	59052	20.536	ug/l		99
44) Trichloroethene	8.865	130	47702	20.943	ug/l		97
45) 1,2-Dichloropropane	9.140	63	46602	21.527	ug/l		98
46) Dibromomethane	9.231	93	25945	21.454	ug/l		98
47) Bromodichloromethane	9.420	83	67736	21.782	ug/l		98
48) Methyl methacrylate	9.219	41	27457	20.570	ug/l		99
49) 1,4-Dioxane	9.237	88	5872	439.617	ug/l	#	85
51) 4-Methyl-2-Pentanone	9.999	43	144733	102.010	ug/l		99
52) Toluene	10.170	92	123925	21.534	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	61162	21.115	ug/l		95
54) cis-1,3-Dichloropropene	9.853	75	71302	20.949	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	31568	20.647	ug/l		96
56) Ethyl methacrylate	10.438	69	44712	20.378	ug/l		96
57) 1,3-Dichloropropane	10.719	76	57536	21.354	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	106603	97.487	ug/l		99
59) 2-Hexanone	10.761	43	89757	96.532	ug/l		98
60) Dibromochloromethane	10.908	129	40992	20.988	ug/l		97
61) 1,2-Dibromoethane	11.018	107	28558	20.422	ug/l		95
64) Tetrachloroethene	10.646	164	49047	20.485	ug/l		94
65) Chlorobenzene	11.438	112	127560	21.279	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	42628	20.988	ug/l		100
67) Ethyl Benzene	11.517	91	231713	20.817	ug/l		98
68) m/p-Xylenes	11.627	106	174451	41.337	ug/l		99
69) o-Xylene	11.956	106	84037	21.188	ug/l		98
70) Styrene	11.969	104	136057	20.601	ug/l		99
71) Bromoform	12.133	173	21950	20.632	ug/l	#	95
73) Isopropylbenzene	12.255	105	212227	21.343	ug/l		100
74) N-amyl acetate	12.072	43	49092	20.176	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	33341	21.281	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	25071m	19.810	ug/l		
77) Bromobenzene	12.529	156	46149	21.566	ug/l		99
78) n-propylbenzene	12.597	91	260496	21.829	ug/l		99
79) 2-Chlorotoluene	12.676	91	140011	21.674	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	166861	21.476	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	11249	20.101	ug/l		96
82) 4-Chlorotoluene	12.779	91	140053	21.051	ug/l		100
83) tert-Butylbenzene	12.999	119	150085	21.381	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	165819	21.208	ug/l		99
85) sec-Butylbenzene	13.176	105	223069	21.428	ug/l		99
86) p-Isopropyltoluene	13.292	119	181615	20.892	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	90362	20.987	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	87543	21.264	ug/l		98
89) n-Butylbenzene	13.615	91	174096	21.359	ug/l		99
90) Hexachloroethane	13.883	117	37738	21.814	ug/l		94
91) 1,2-Dichlorobenzene	13.657	146	77337	21.505	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	4842	20.001	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	40233	20.180	ug/l		99
94) Hexachlorobutadiene	15.023	225	22027	21.052	ug/l		97
95) Naphthalene	15.145	128	72122	19.568	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	34078	20.842	ug/l		97

Sample Results: **VY022474.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
Data File : VY022474.D
Acq On : 30 May 2025 13:14
Operator : SY/MD
Sample : VY0530SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

Quant Time: May 31 02:25:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

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

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

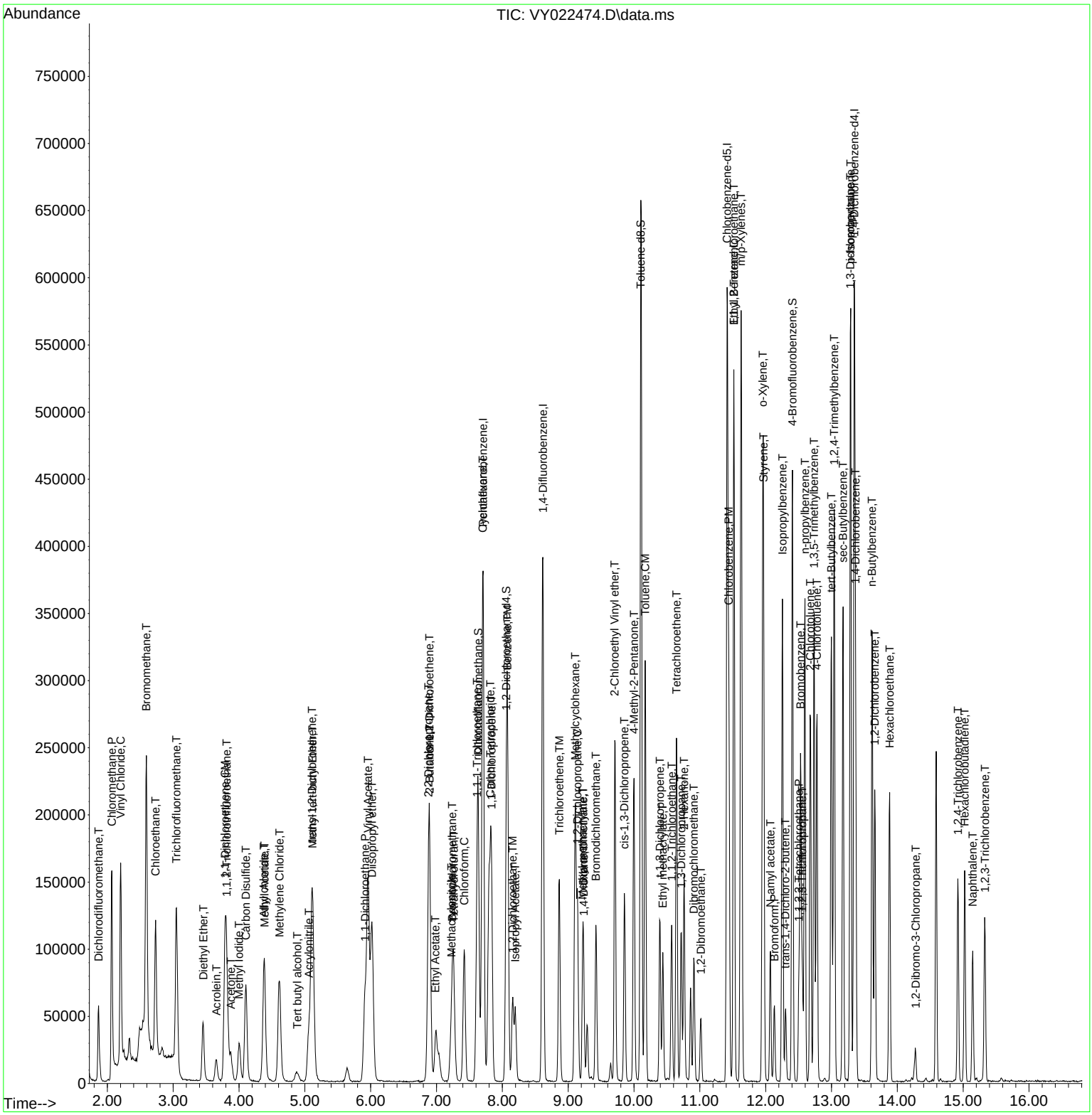
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
Data File : VY022474.D
Acq On : 30 May 2025 13:14
Operator : SY/MD
Sample : VY0530SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

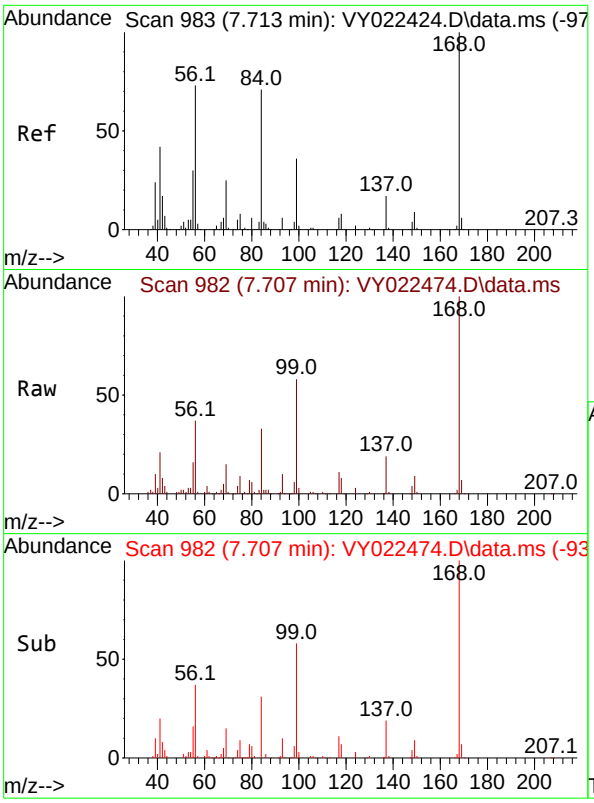
Quant Time: May 31 02:25:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

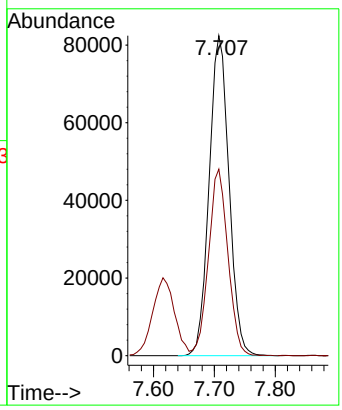




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion:168 Resp: 18640

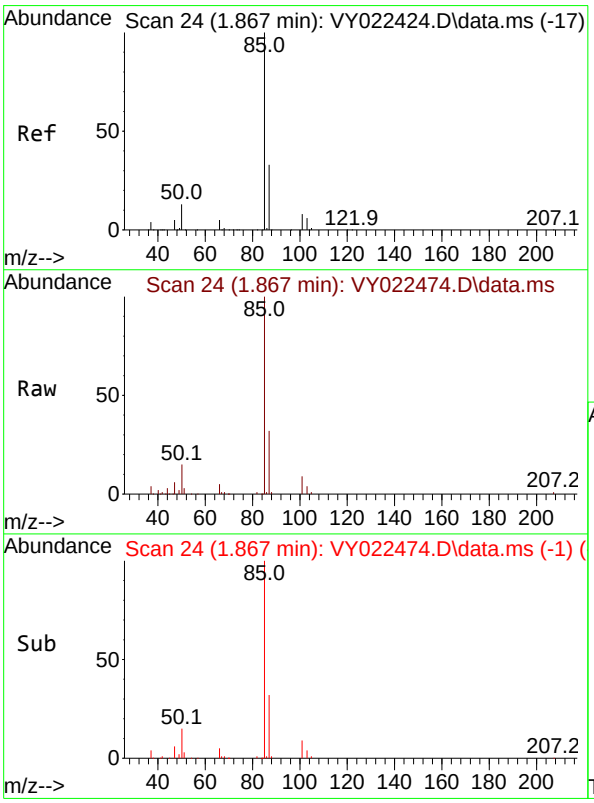
Ion	Ratio	Lower	Upper
168	100		
99	58.3	44.7	67.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

Manual Integrations
APPROVED

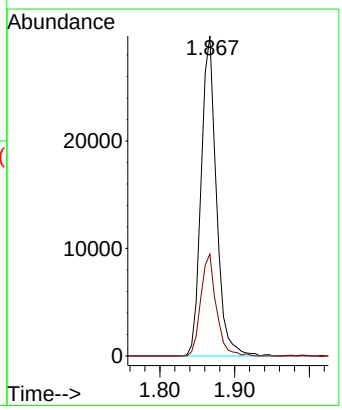
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

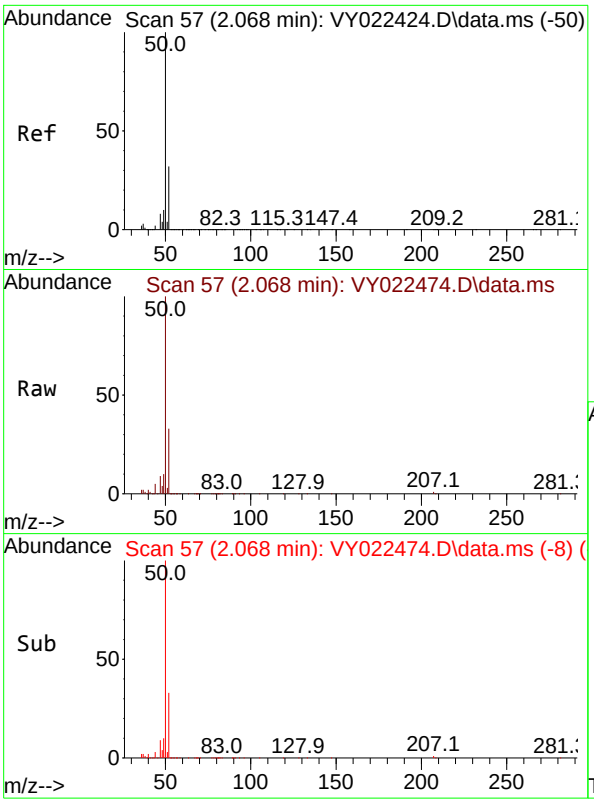


#2
Dichlorodifluoromethane
Concen: 23.726 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 85 Resp: 42196

Ion	Ratio	Lower	Upper
85	100		
87	31.8	16.4	49.2

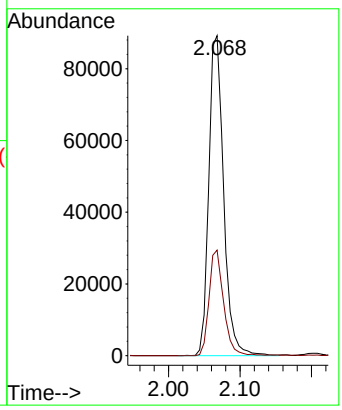




#3
Chloromethane
Concen: 29.415 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 50 Resp: 12867

Ion	Ratio	Lower	Upper
50	100		
52	33.0	25.5	38.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

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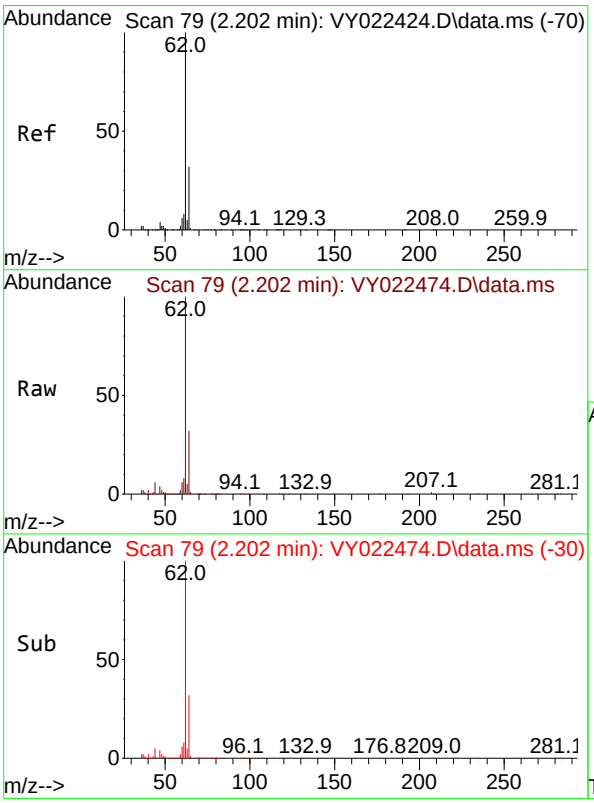
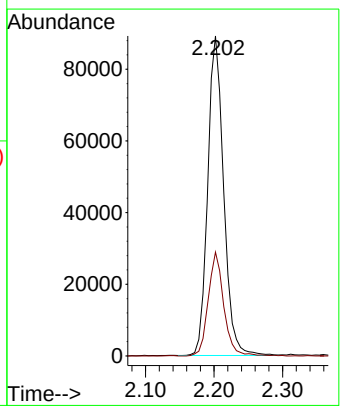
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

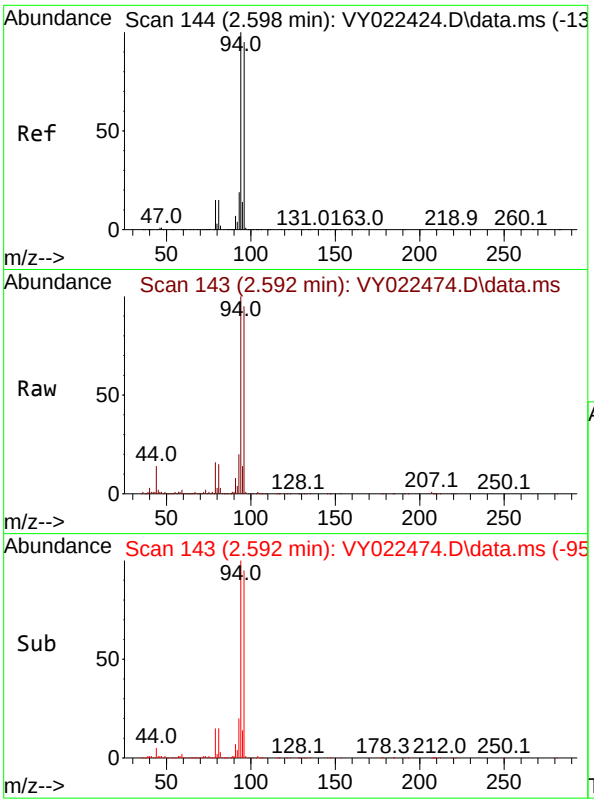


#4
Vinyl Chloride
Concen: 27.183 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 62 Resp: 144461

Ion	Ratio	Lower	Upper
62	100		
64	32.5	26.0	39.0





#5
Bromomethane
Concen: 28.671 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 94 Resp: 13846

Ion	Ratio	Lower	Upper
94	100		
96	94.4	76.0	114.0

Instrument :
MSVOA_Y
ClientSampleId :
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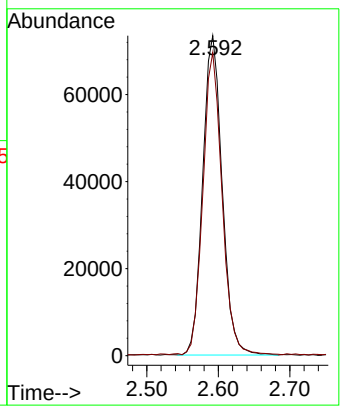
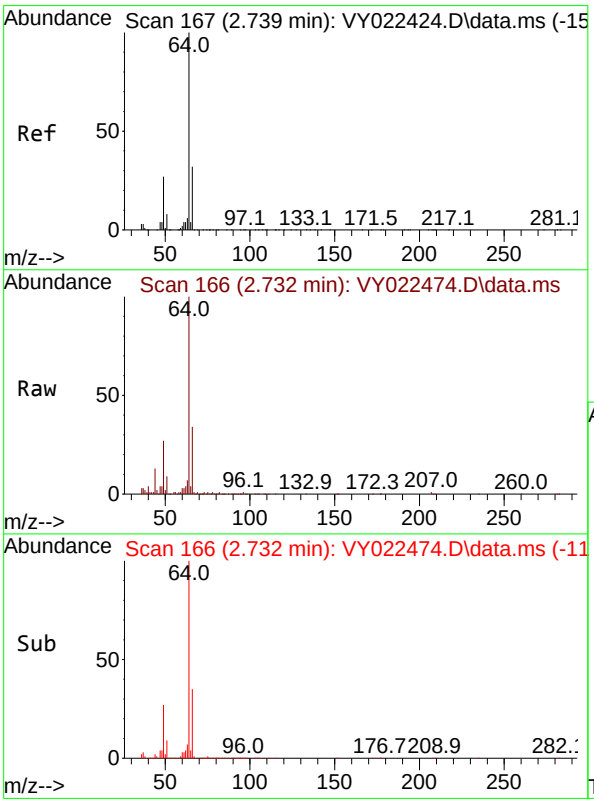
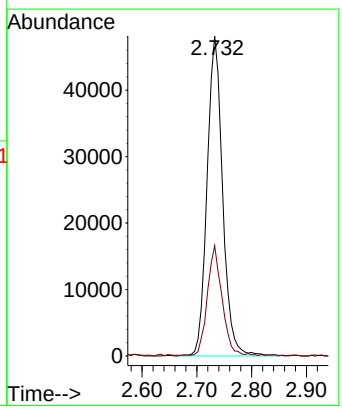


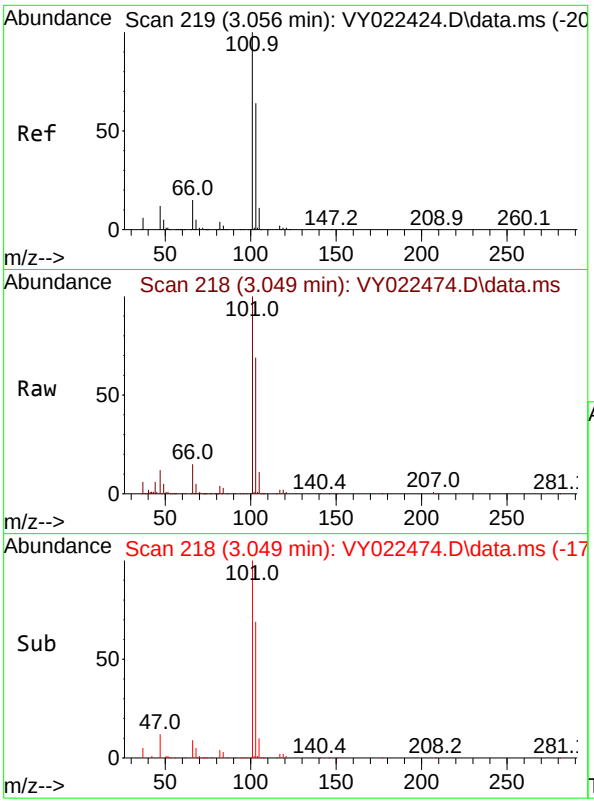


#6
Chloroethane
Concen: 27.221 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 64 Resp: 94531

Ion	Ratio	Lower	Upper
64	100		
66	34.3	25.9	38.9

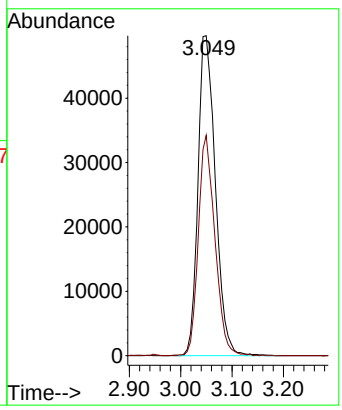




#7
Trichlorofluoromethane
Concen: 26.072 ug/l
RT: 3.049 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion:101 Resp: 11690

Ion	Ratio	Lower	Upper
101	100		
103	68.9	50.9	76.3



Instrument :
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ClientSampleId :
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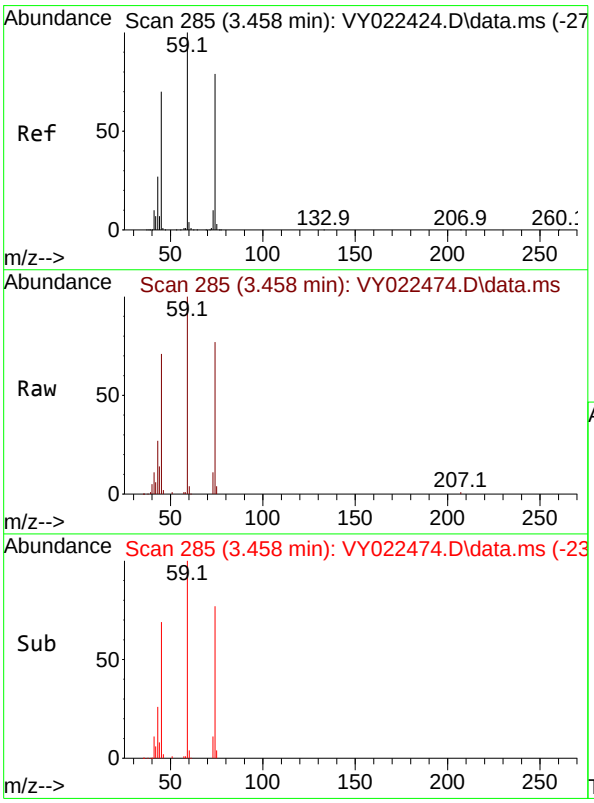
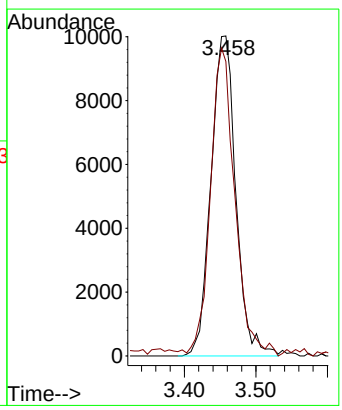
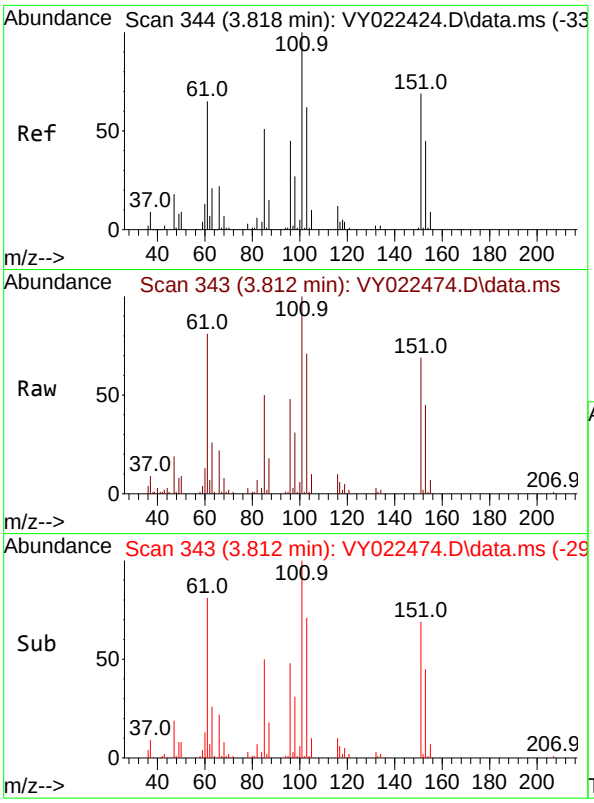


#8
Diethyl Ether
Concen: 23.447 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 74 Resp: 24241

Ion	Ratio	Lower	Upper
74	100		
45	94.6	44.9	134.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.553 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion:101 Resp: 4436

Ion	Ratio	Lower	Upper
101	100		
85	48.6	39.2	58.8
151	72.7	58.8	88.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

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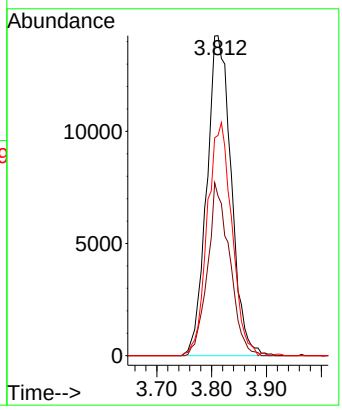
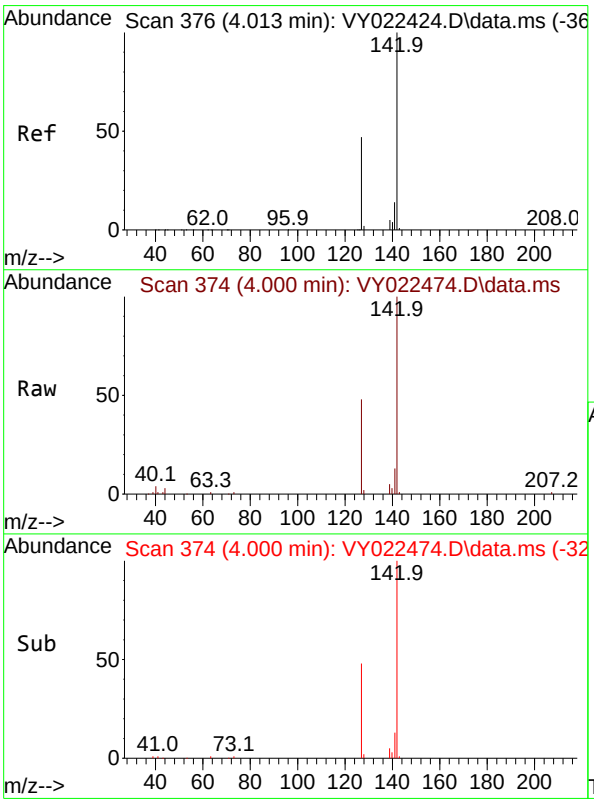
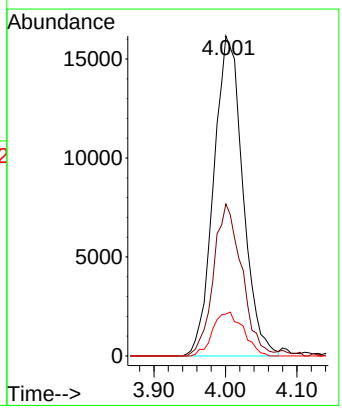


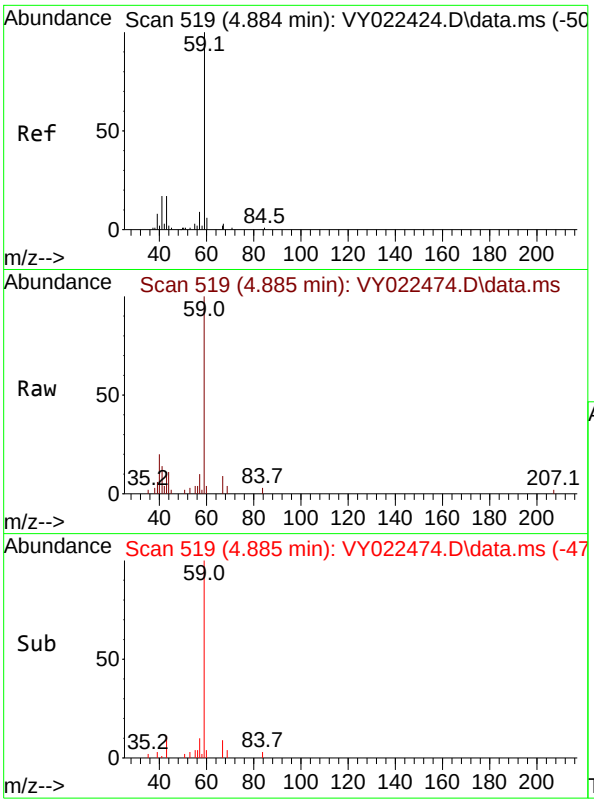


#10
Methyl Iodide
Concen: 20.606 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.012 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion:142 Resp: 45731

Ion	Ratio	Lower	Upper
142	100		
127	46.2	36.2	54.4
141	14.5	11.6	17.4

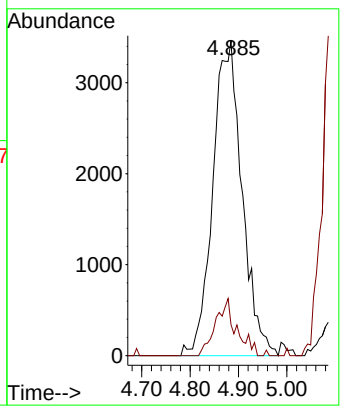




#11
Tert butyl alcohol
Concen: 104.649 ug/l
RT: 4.885 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 59 Resp: 1448

Ion	Ratio	Lower	Upper
59	100		
57	11.8	9.1	13.7



Instrument :
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ClientSampleId :
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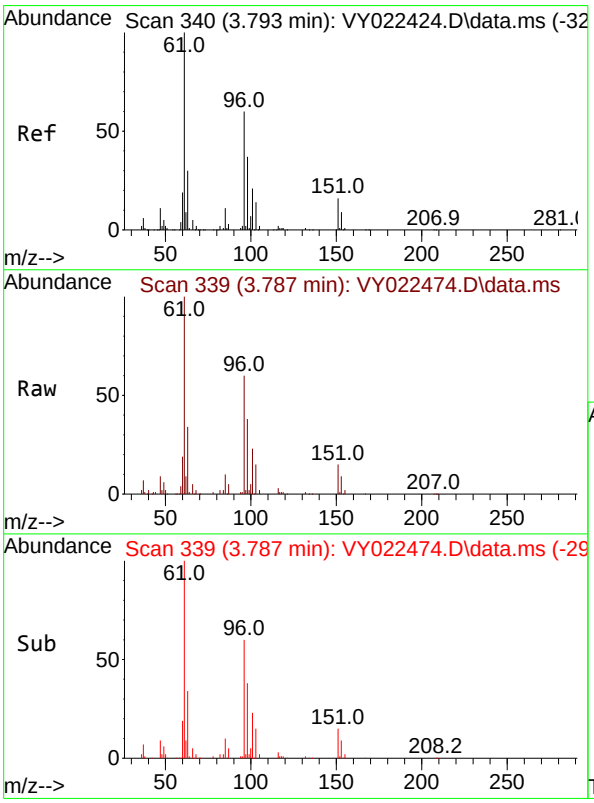
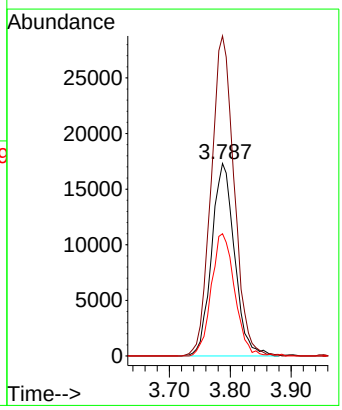
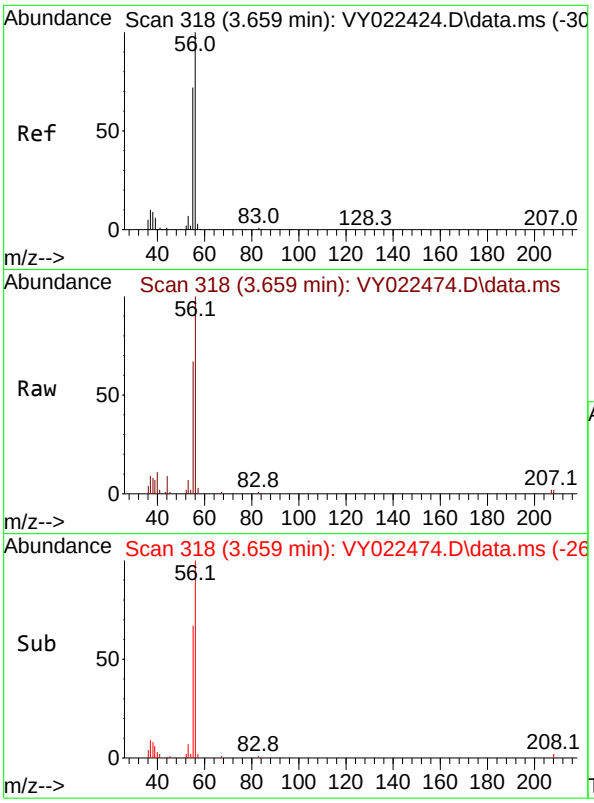


#12
1,1-Dichloroethene
Concen: 23.130 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 96 Resp: 45173

Ion	Ratio	Lower	Upper
96	100		
61	166.3	134.1	201.1
98	63.5	50.2	75.2

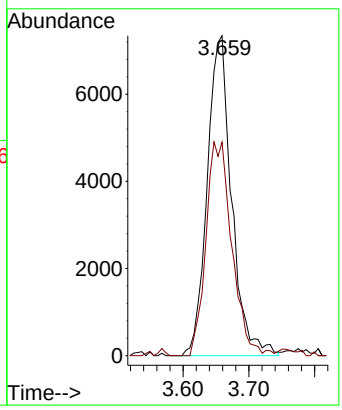




#13
Acrolein
Concen: 91.412 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 56 Resp: 1895

Ion	Ratio	Lower	Upper
56	100		
55	71.0	56.5	84.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

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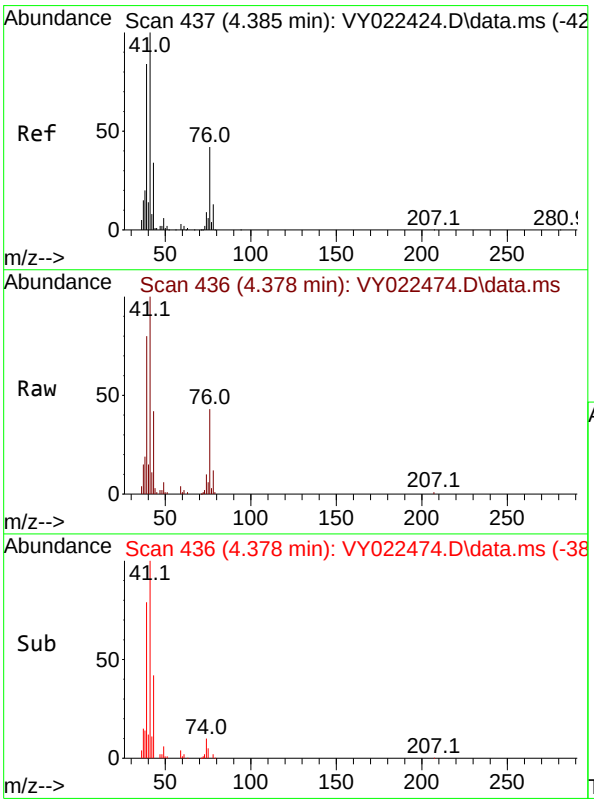
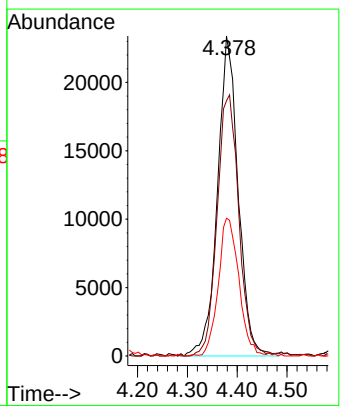
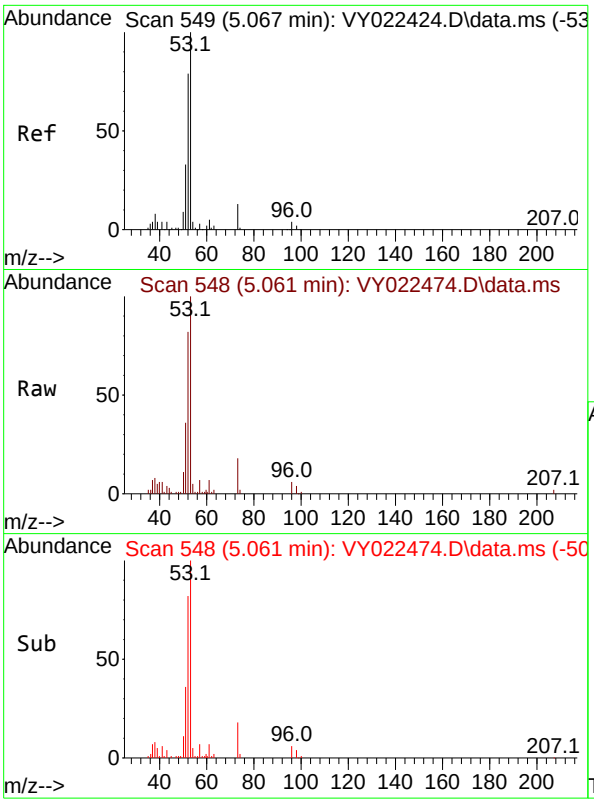


#14
Allyl chloride
Concen: 22.996 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 41 Resp: 67558

Ion	Ratio	Lower	Upper
41	100		
39	85.6	66.6	100.0
76	42.2	33.7	50.5

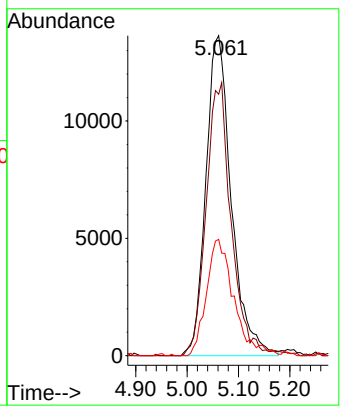




#15
Acrylonitrile
Concen: 112.454 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 53 Resp: 4686

Ion	Ratio	Lower	Upper
53	100		
52	83.6	65.1	97.7
51	39.1	30.0	45.0



Instrument :
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ClientSampleId :
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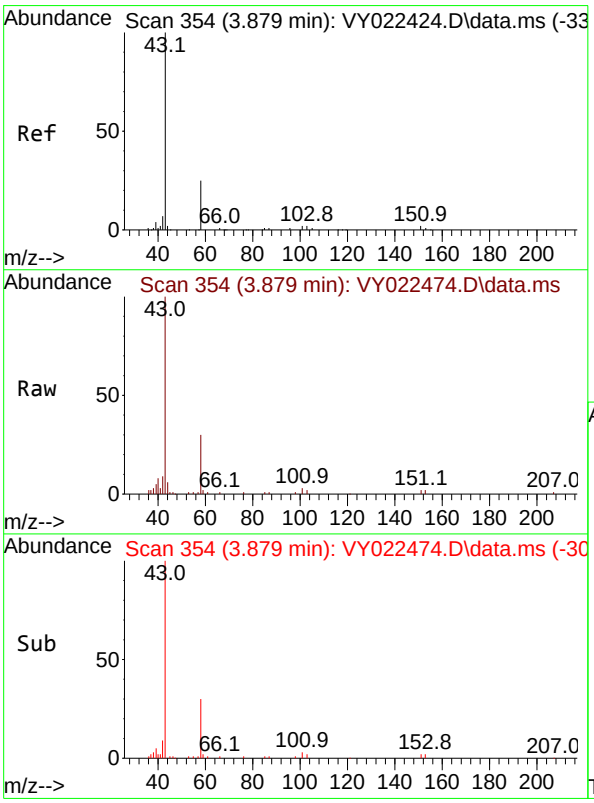
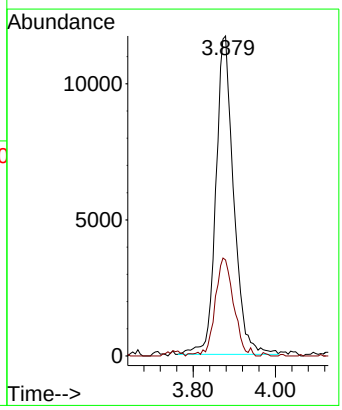
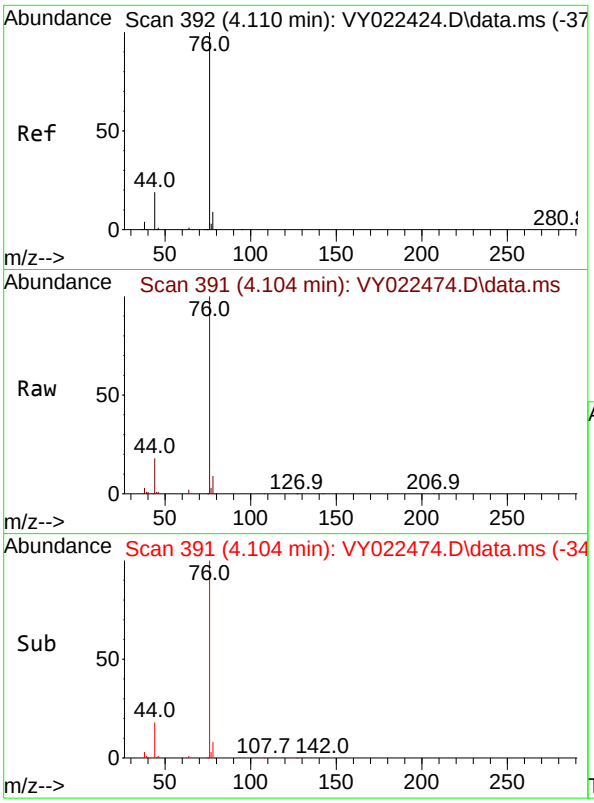


#16
Acetone
Concen: 109.206 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 43 Resp: 35234

Ion	Ratio	Lower	Upper
43	100		
58	30.2	20.6	30.8





#17
Carbon Disulfide
Concen: 22.251 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 76 Resp: 13868

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

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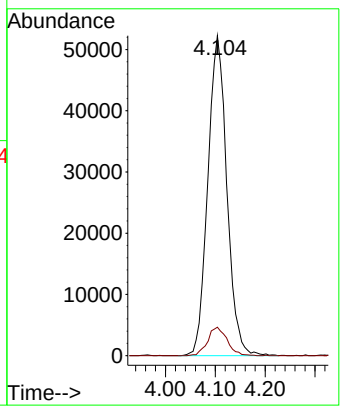
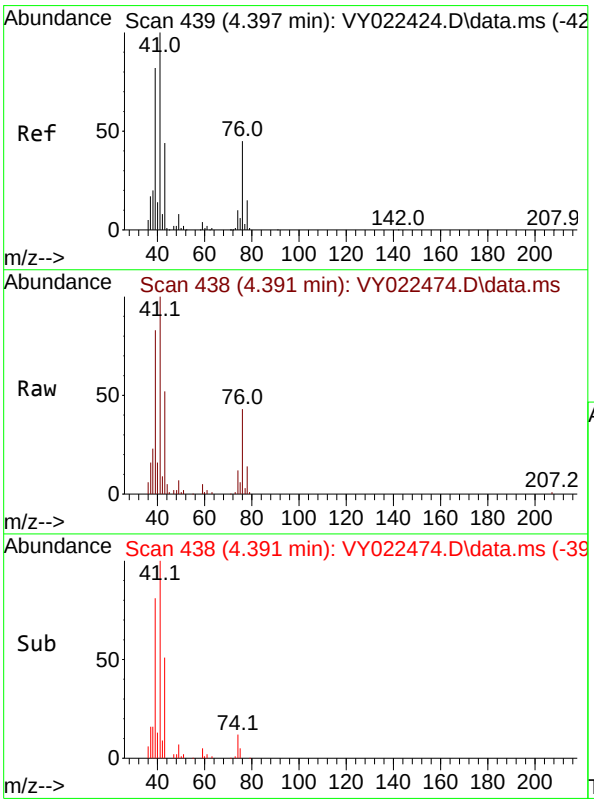
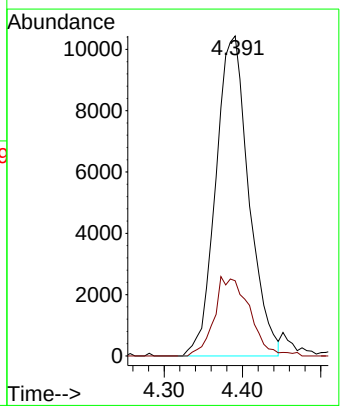


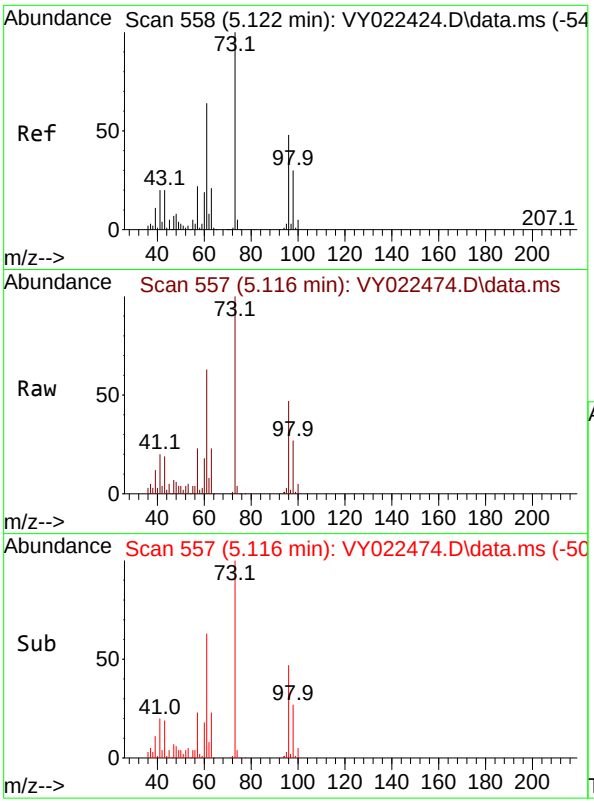


#18
Methyl Acetate
Concen: 25.324 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 43 Resp: 30606

Ion	Ratio	Lower	Upper
43	100		
74	26.4	21.2	31.8





#19
Methyl tert-butyl Ether
Concen: 22.977 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 73 Resp: 11913

Ion	Ratio	Lower	Upper
73	100		
57	23.1	17.7	26.5

Instrument :
MSVOA_Y
ClientSampleId :
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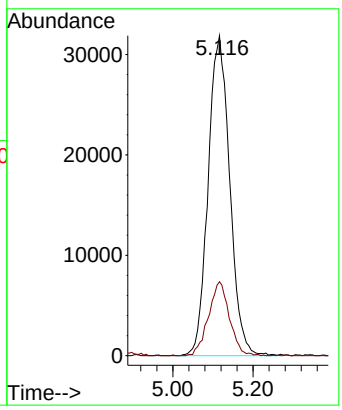
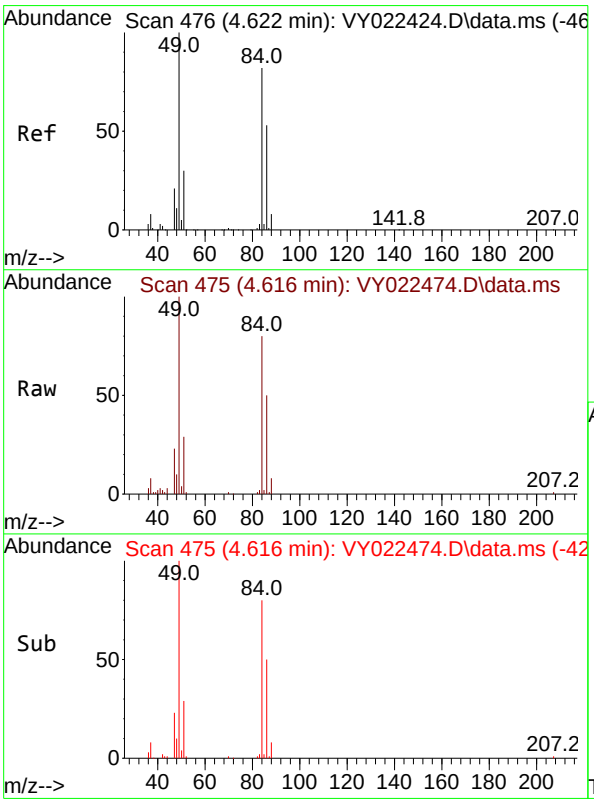
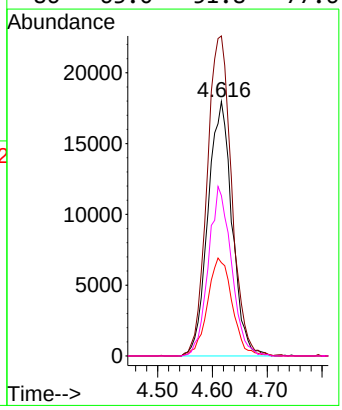


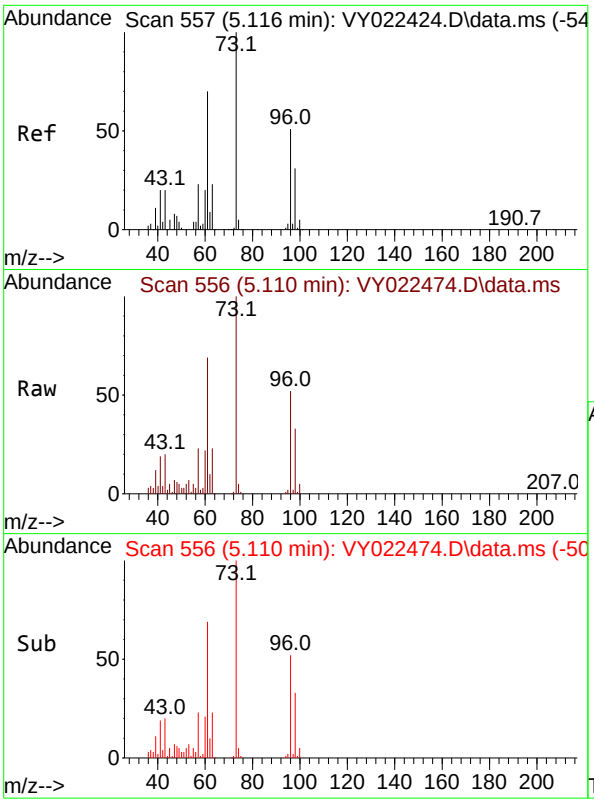


#20
Methylene Chloride
Concen: 24.051 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 84 Resp: 54795

Ion	Ratio	Lower	Upper
84	100		
49	125.8	97.8	146.8
51	36.7	29.5	44.3
86	63.0	51.8	77.6

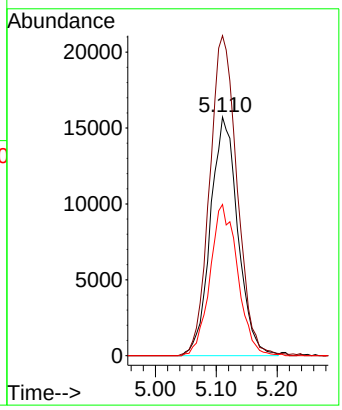




#21
trans-1,2-Dichloroethene
Concen: 23.009 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 96 Resp: 4905

Ion	Ratio	Lower	Upper
96	100		
61	134.1	110.4	165.6
98	63.4	48.6	73.0



Instrument :
MSVOA_Y
ClientSampleId :
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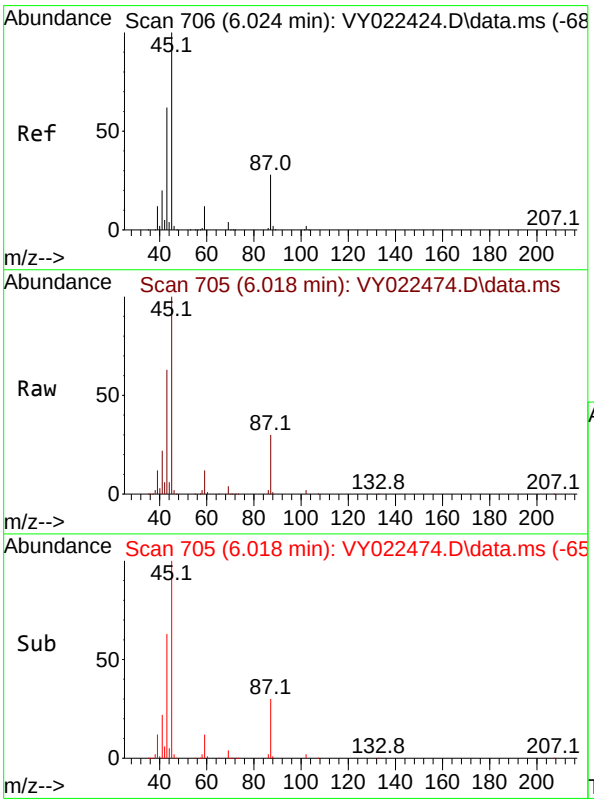
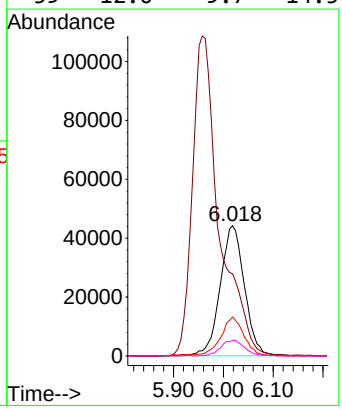
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

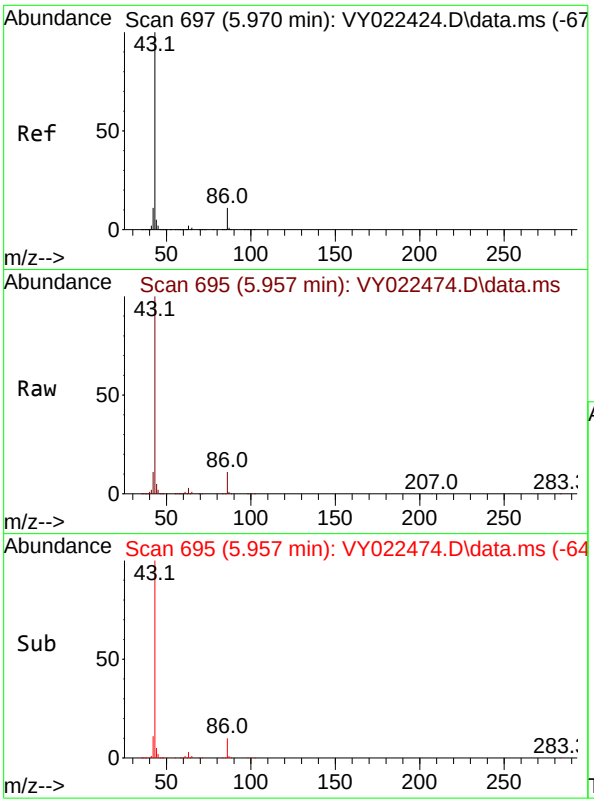


#22
Diisopropyl ether
Concen: 22.896 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 45 Resp: 148455

Ion	Ratio	Lower	Upper
45	100		
43	62.0	49.8	74.8
87	29.6	23.0	34.6
59	12.0	9.7	14.5

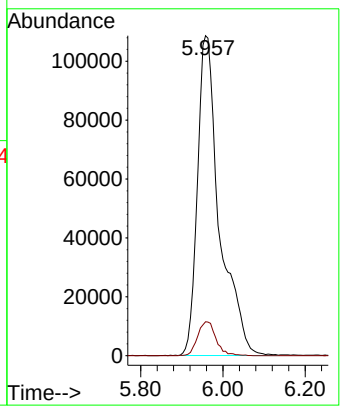




#23
Vinyl Acetate
Concen: 108.451 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.012 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 43 Resp: 40375

Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

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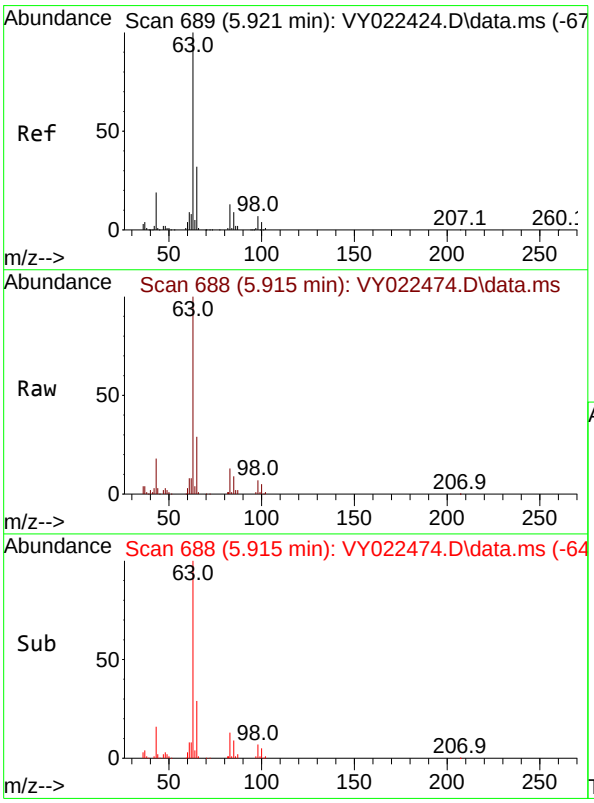
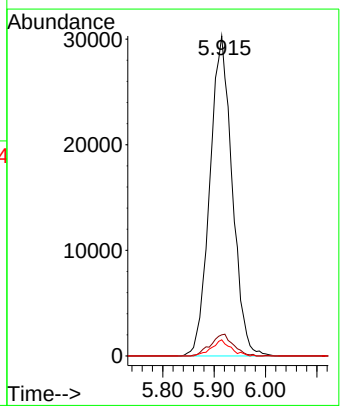
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

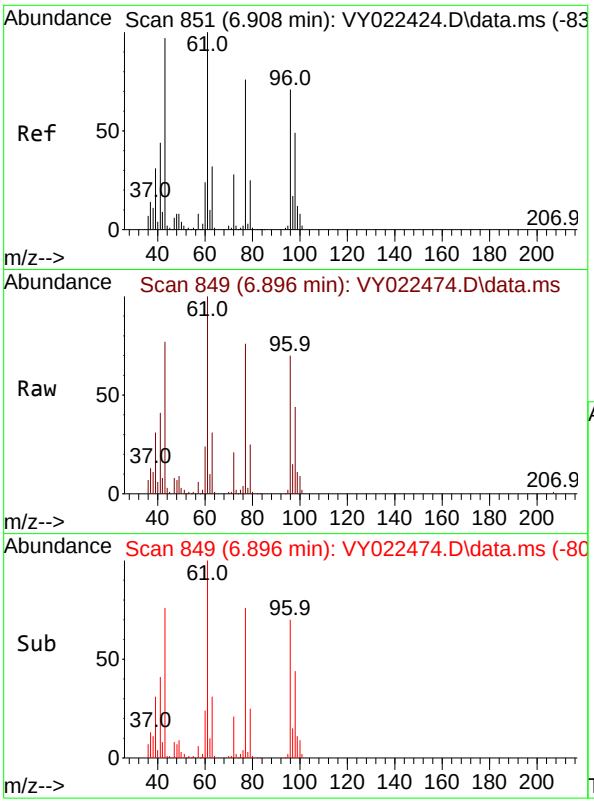


#24
1,1-Dichloroethane
Concen: 23.919 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 63 Resp: 91642

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.5	10.5
100	5.0	2.1	6.5





#25
2-Butanone
Concen: 106.047 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 43 Resp: 5698

Ion	Ratio	Lower	Upper
43	100		
72	27.1	22.8	34.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

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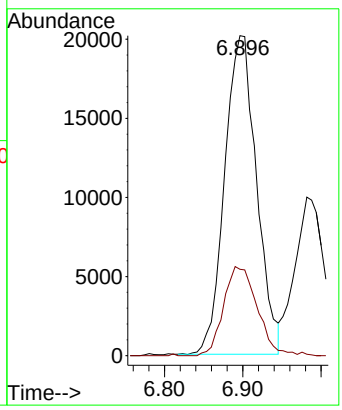
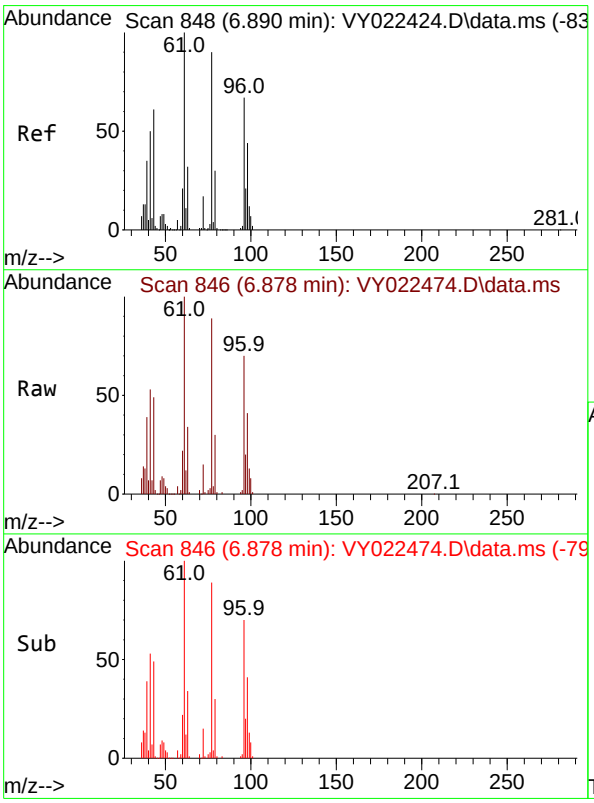
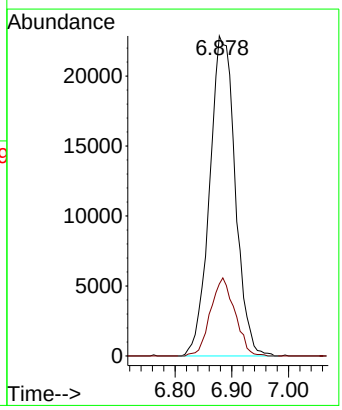


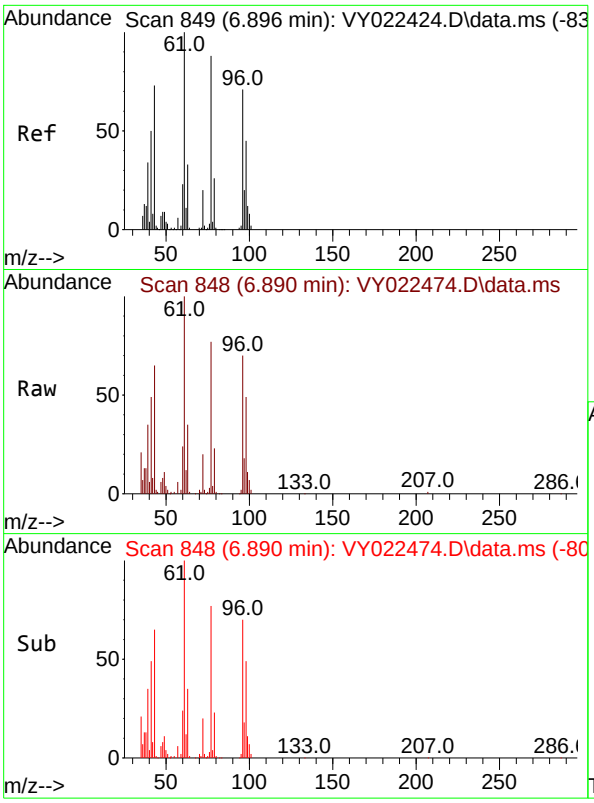


#26
2,2-Dichloropropane
Concen: 20.643 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 77 Resp: 71614

Ion	Ratio	Lower	Upper
77	100		
97	23.3	11.6	34.7





#27
cis-1,2-Dichloroethene
Concen: 22.925 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 96 Resp: 5658

Ion	Ratio	Lower	Upper
96	100		
61	145.7	0.0	292.0
98	64.1	0.0	131.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

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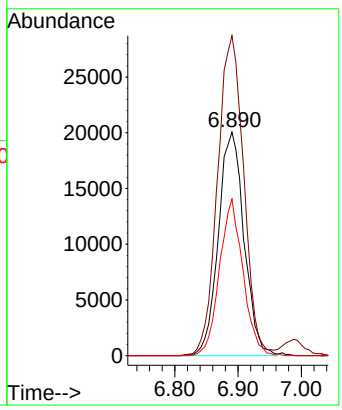
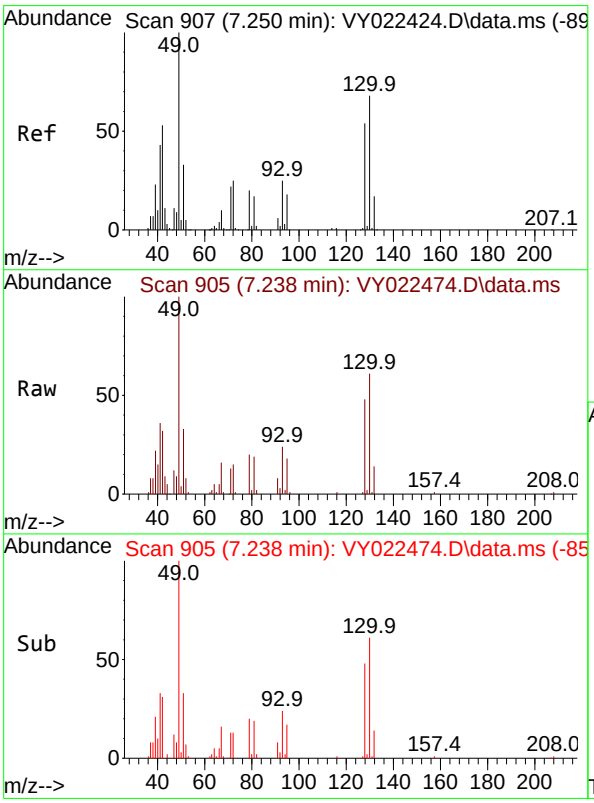
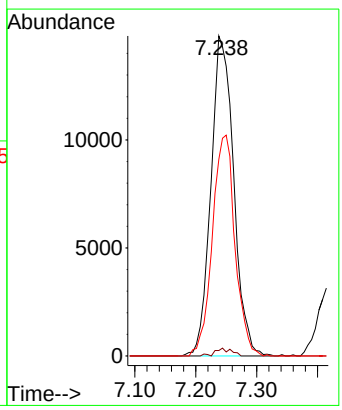


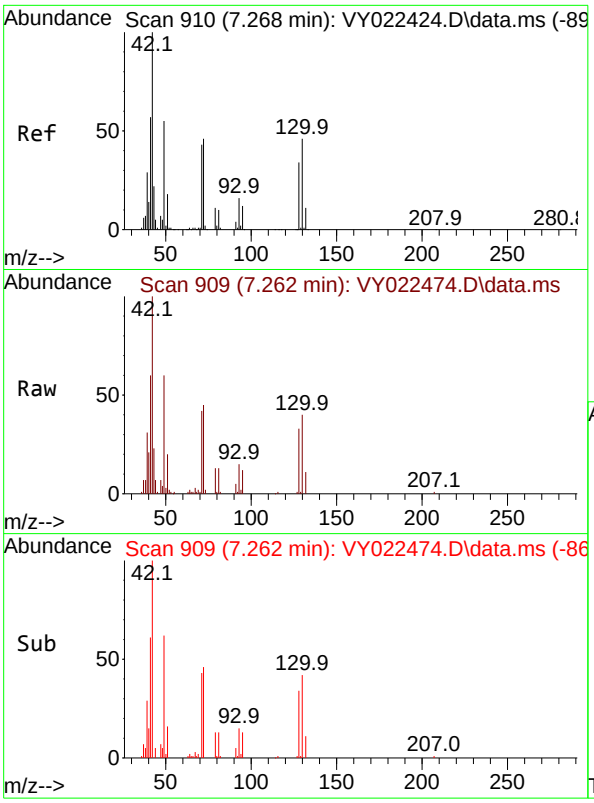


#28
Bromochloromethane
Concen: 24.014 ug/l
RT: 7.238 min Scan# 905
Delta R.T. -0.012 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 49 Resp: 38419

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	68.8	56.9	85.3





#29
Tetrahydrofuran
Concen: 108.303 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 42 Resp: 3881

Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.7	56.5
71	44.1	34.7	52.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

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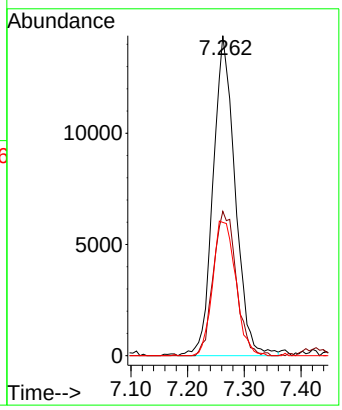
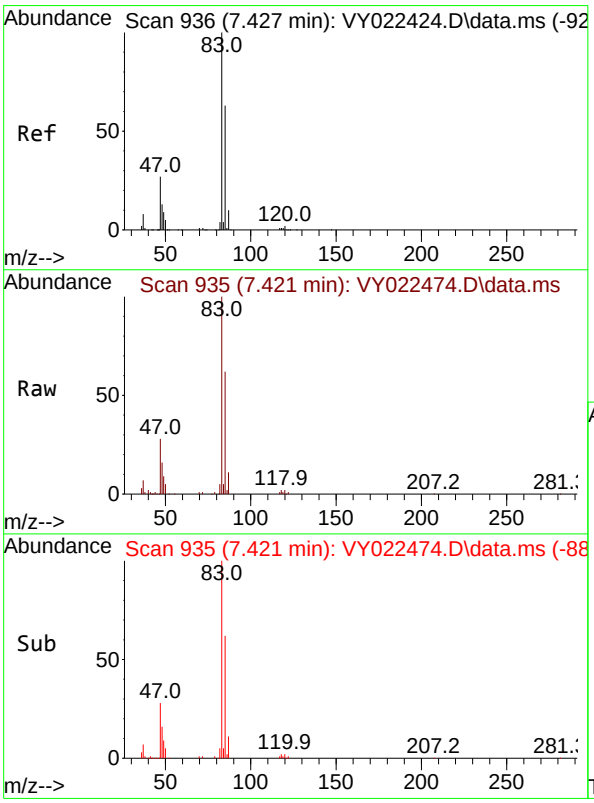
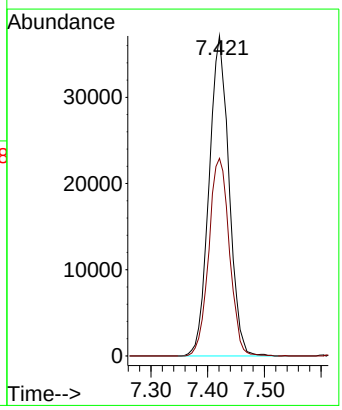


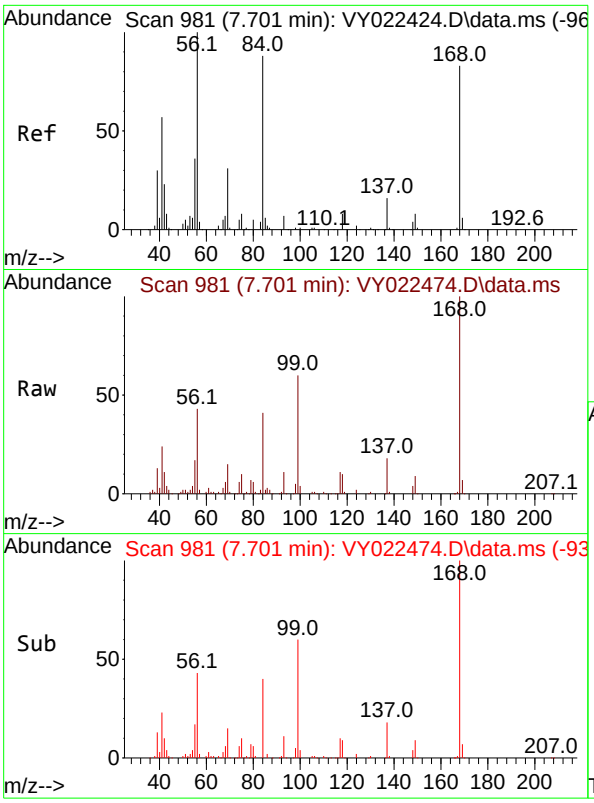


#30
Chloroform
Concen: 23.970 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 83 Resp: 90494

Ion	Ratio	Lower	Upper
83	100		
85	61.8	50.1	75.1





#31
Cyclohexane
Concen: 22.016 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 56 Resp: 8314

Ion	Ratio	Lower	Upper
56	100		
69	35.4	24.6	36.8
84	92.8	70.4	105.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

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Reviewed By :John Carlone 06/02/2025
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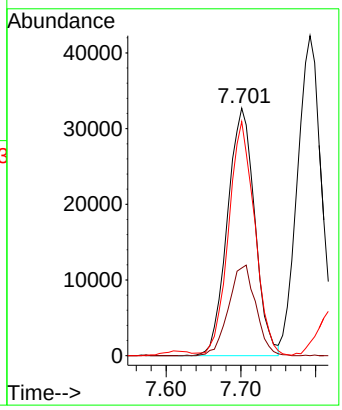
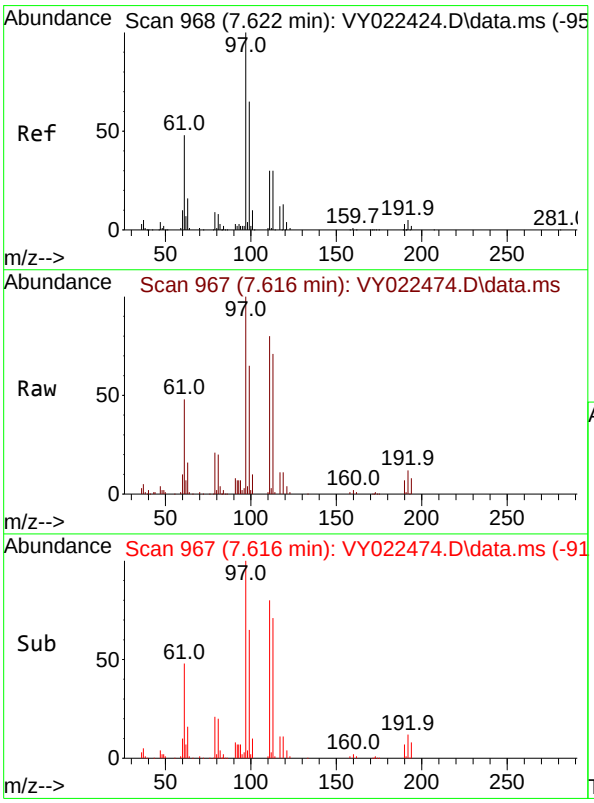
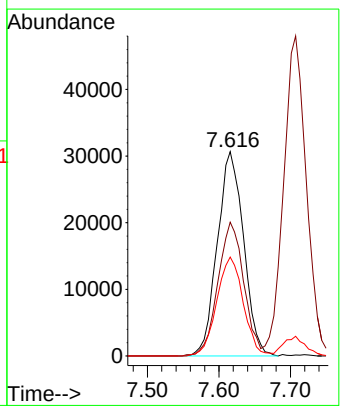


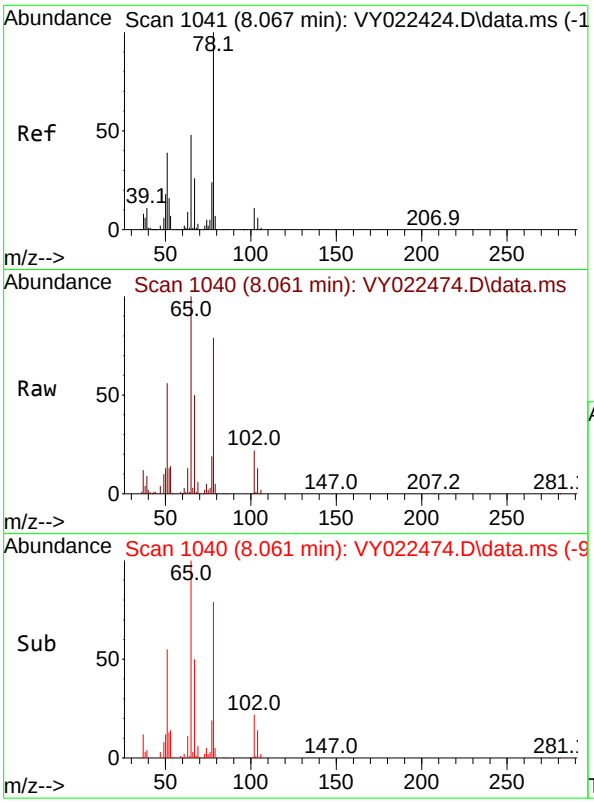


#32
1,1,1-Trichloroethane
Concen: 22.832 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 97 Resp: 78230

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.3	76.9
61	49.0	37.3	55.9

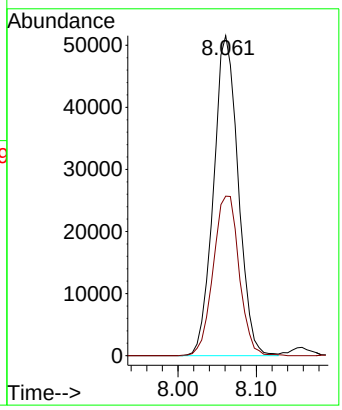




#33
1,2-Dichloroethane-d4
Concen: 57.405 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 65 Resp: 11271

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	104.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

Manual Integrations
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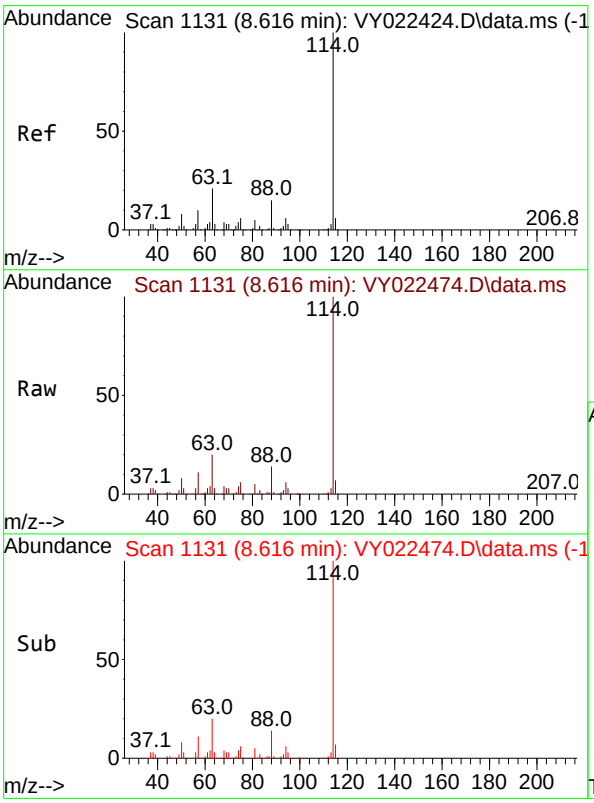
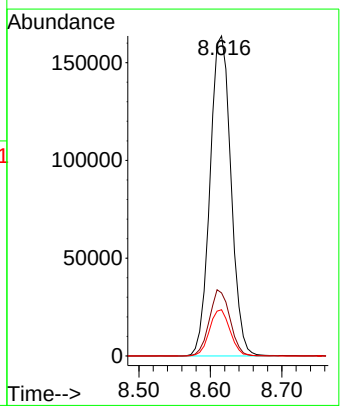
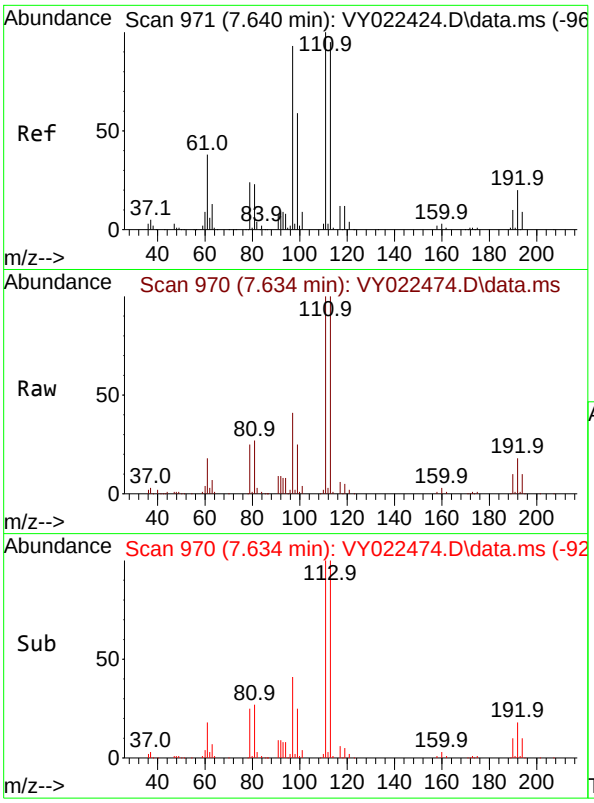


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion:114 Resp: 333200

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	42.6
88	14.4	0.0	29.4

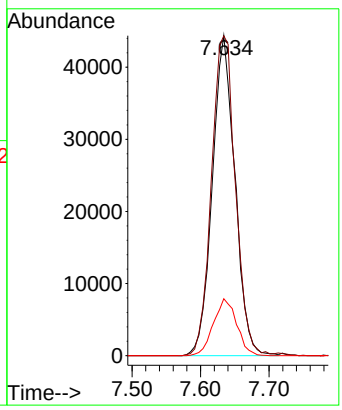




#35
Dibromofluoromethane
Concen: 52.018 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion:113 Resp: 10150

Ion	Ratio	Lower	Upper
113	100		
111	105.6	82.4	123.6
192	18.4	15.2	22.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

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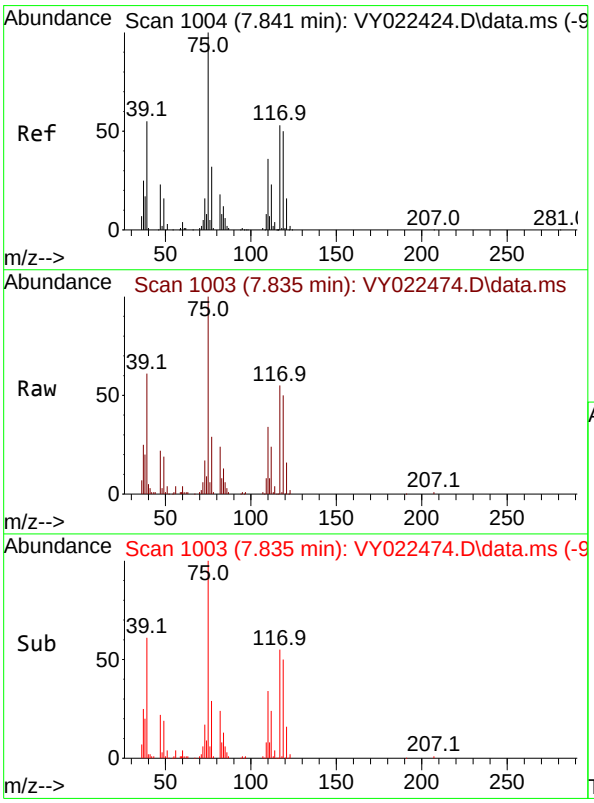
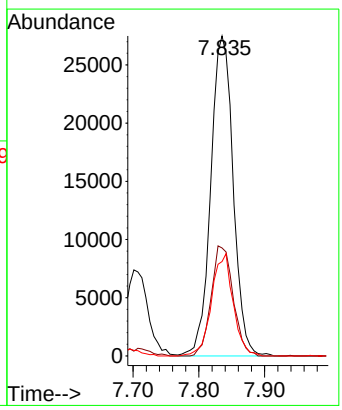
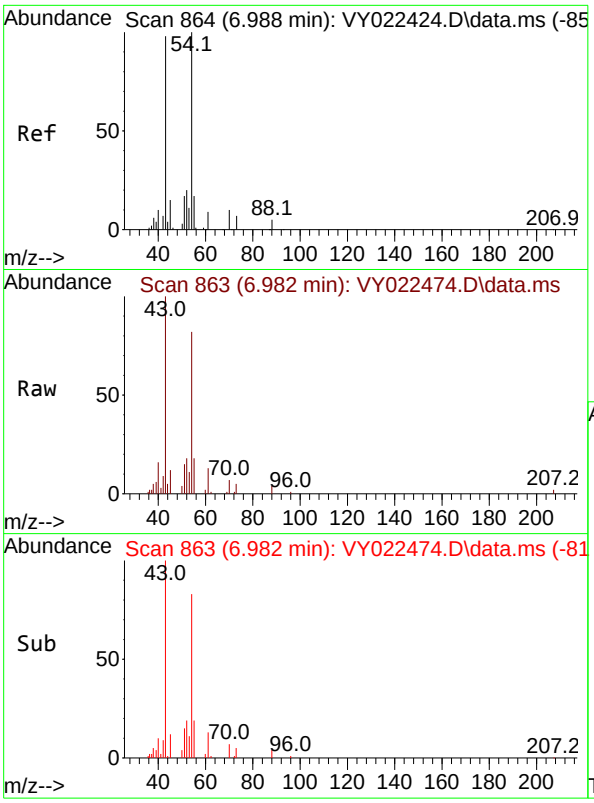


#36
1,1-Dichloropropene
Concen: 21.071 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 75 Resp: 65246

Ion	Ratio	Lower	Upper
75	100		
110	33.6	17.1	51.2
77	30.8	25.1	37.7





#37
Ethyl Acetate
Concen: 20.831 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 43 Resp: 2741

Ion	Ratio	Lower	Upper
43	100		
61	12.8	11.7	17.5
70	9.2	7.8	11.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

Manual Integrations
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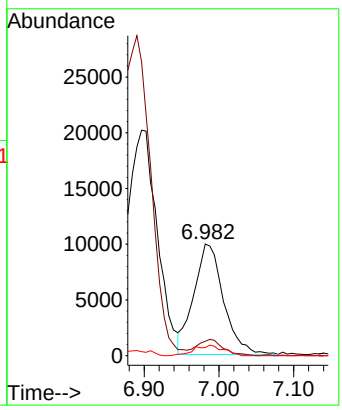
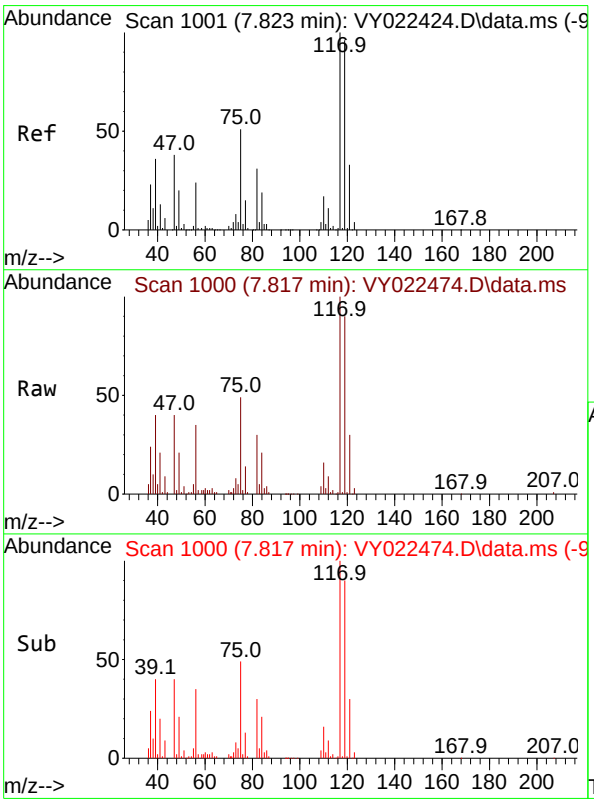
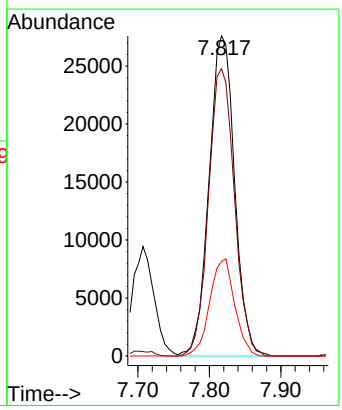


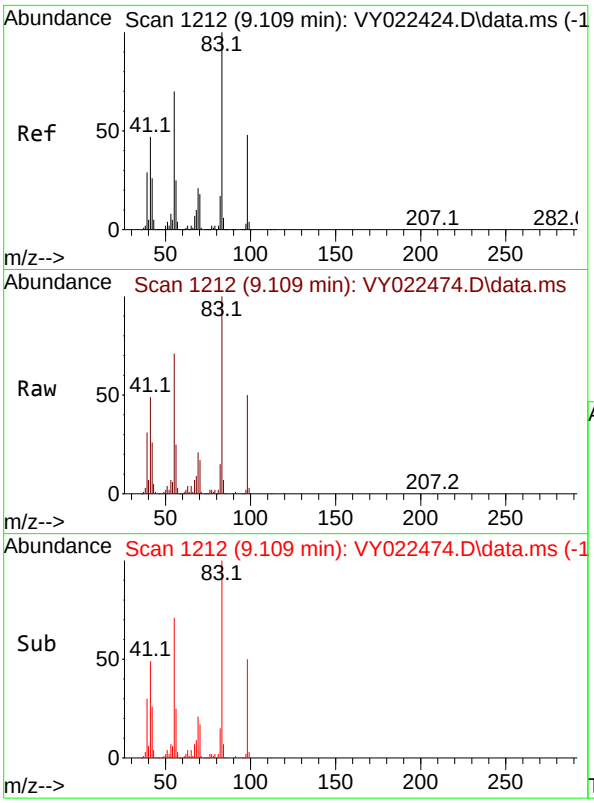


#38
Carbon Tetrachloride
Concen: 21.265 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion:117 Resp: 68592

Ion	Ratio	Lower	Upper
117	100		
119	89.7	76.3	114.5
121	29.6	26.1	39.1

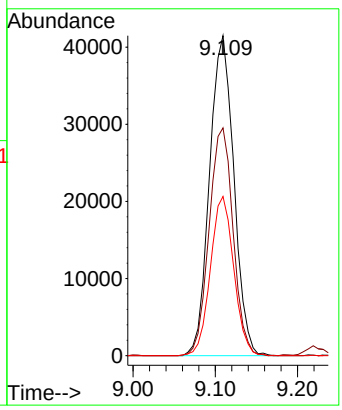




#39
Methylcyclohexane
Concen: 20.691 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 83 Resp: 8516

Ion	Ratio	Lower	Upper
83	100		
55	71.2	56.2	84.2
98	49.7	38.4	57.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

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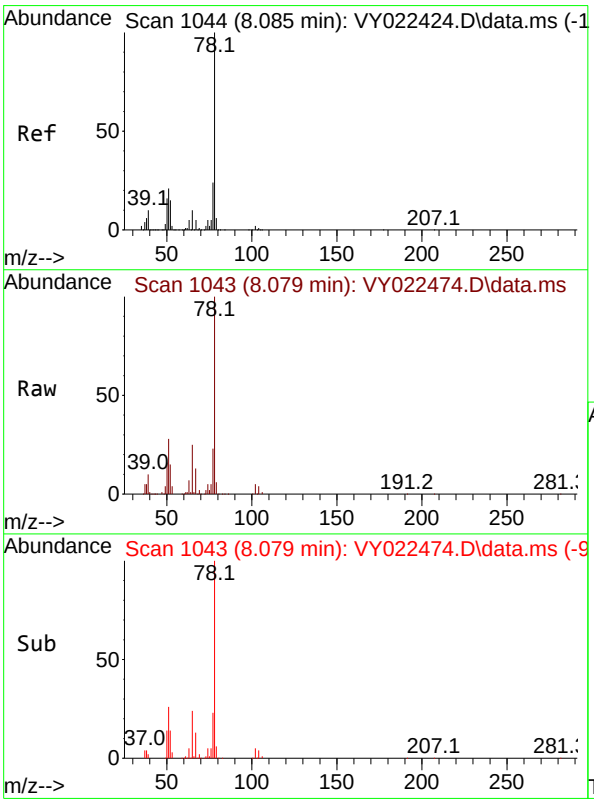
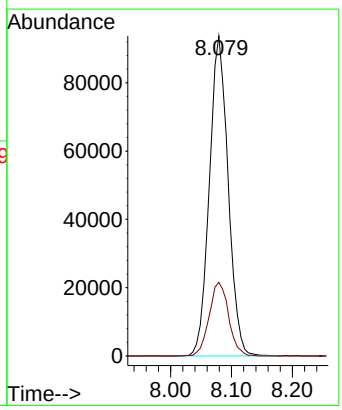
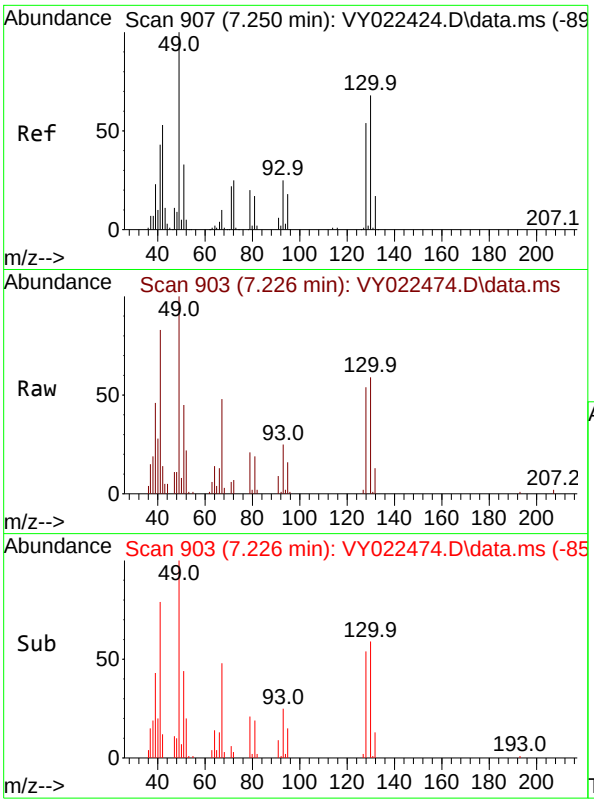


#40
Benzene
Concen: 21.748 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 78 Resp: 200374

Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.4	29.2

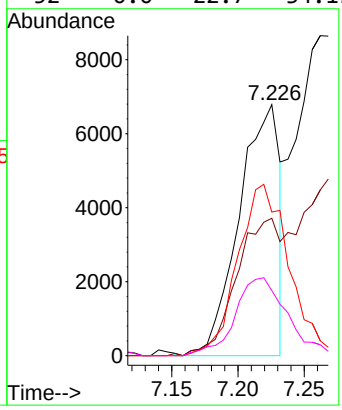




#41
Methacrylonitrile
Concen: 18.087 ug/l m
RT: 7.226 min Scan# 9
Delta R.T. -0.024 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 41 Resp: 1444

Ion	Ratio	Lower	Upper
41	100		
39	76.8	40.4	60.6#
67	0.0	53.0	79.4#
52	0.0	22.7	34.1#



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

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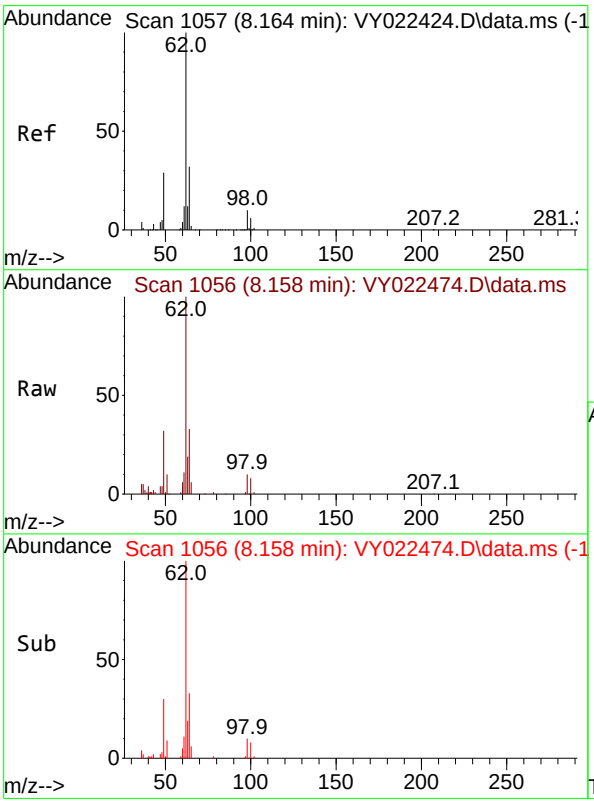
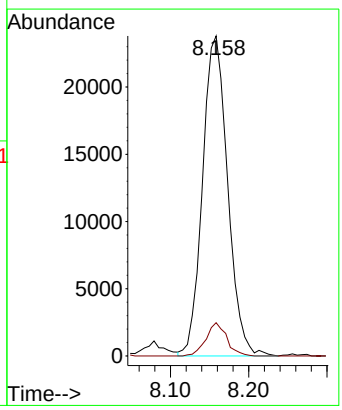
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

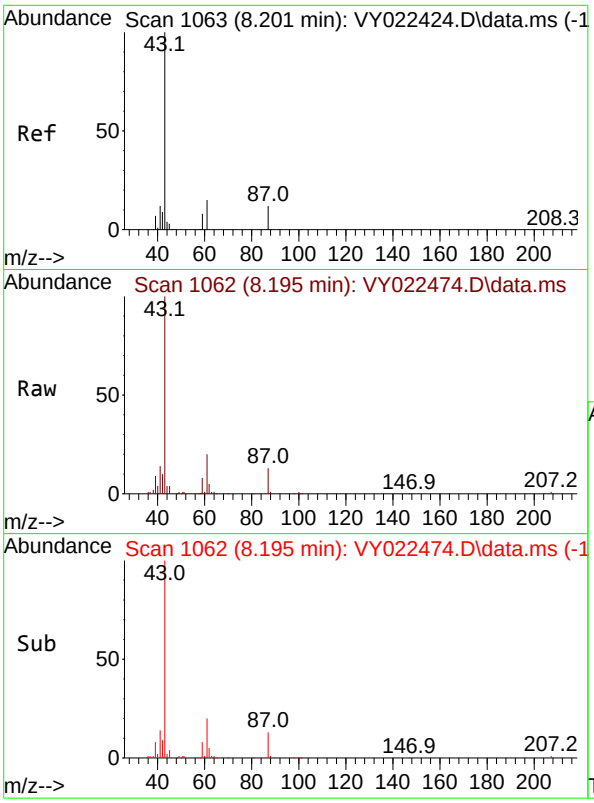


#42
1,2-Dichloroethane
Concen: 21.818 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 62 Resp: 53093

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.4

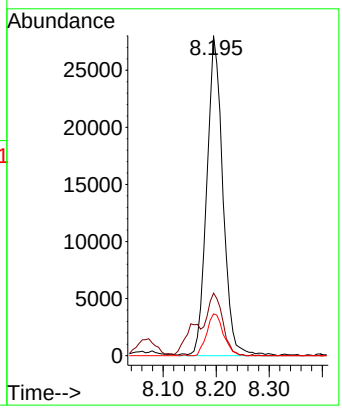




#43
Isopropyl Acetate
Concen: 20.536 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 43 Resp: 5905

Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.4	23.0
87	13.7	10.6	15.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

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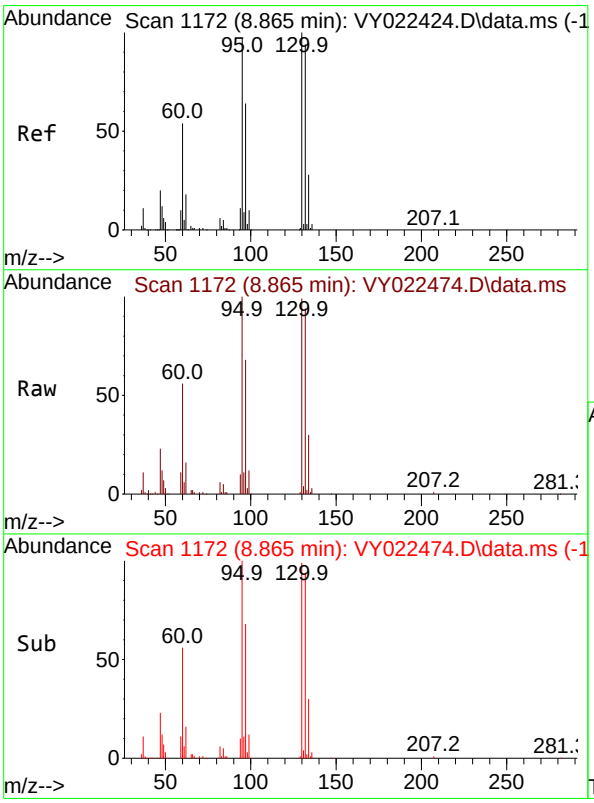
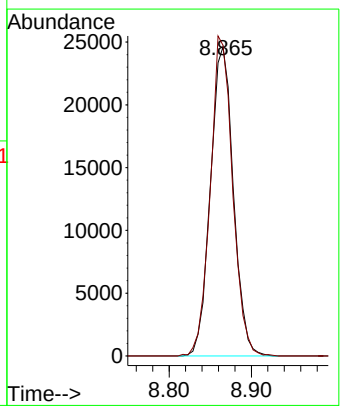
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

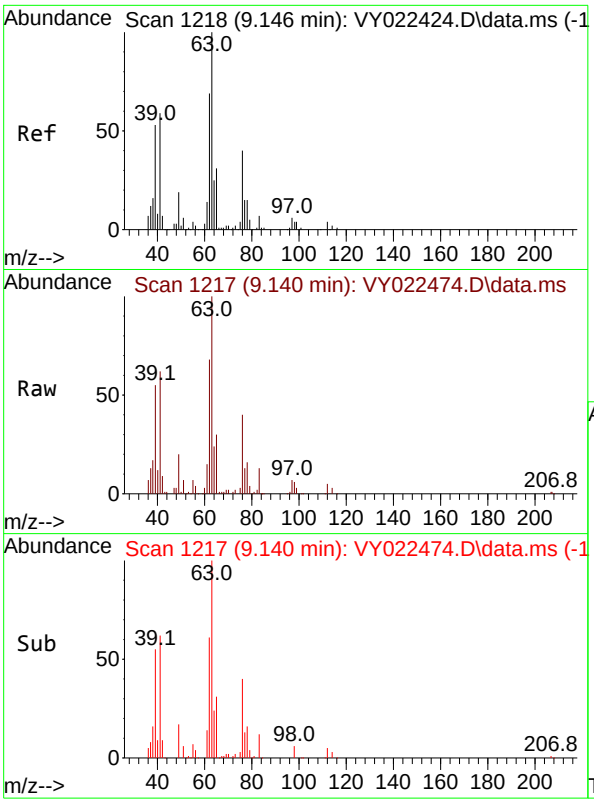


#44
Trichloroethene
Concen: 20.943 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion:130 Resp: 47702

Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	194.8





#45
1,2-Dichloropropane
Concen: 21.527 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 63 Resp: 4660

Ion	Ratio	Lower	Upper
63	100		
65	30.4	25.1	37.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

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Reviewed By :John Carlone 06/02/2025
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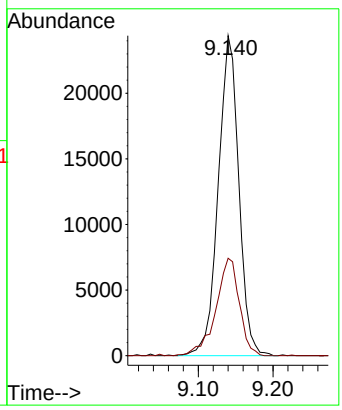
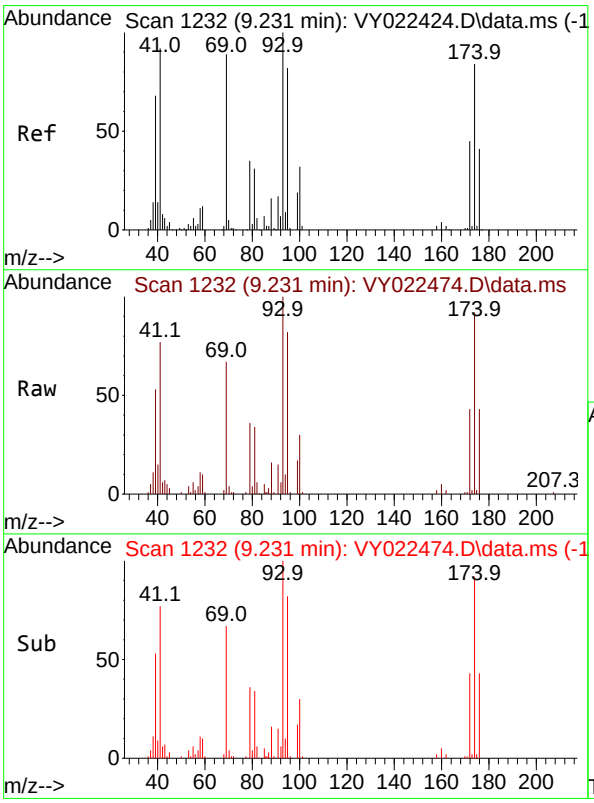
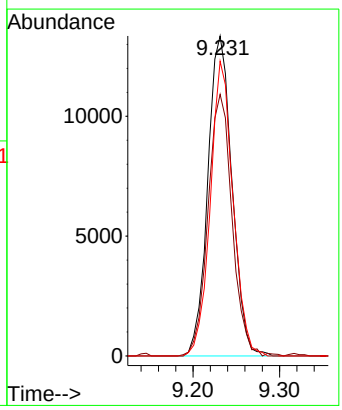


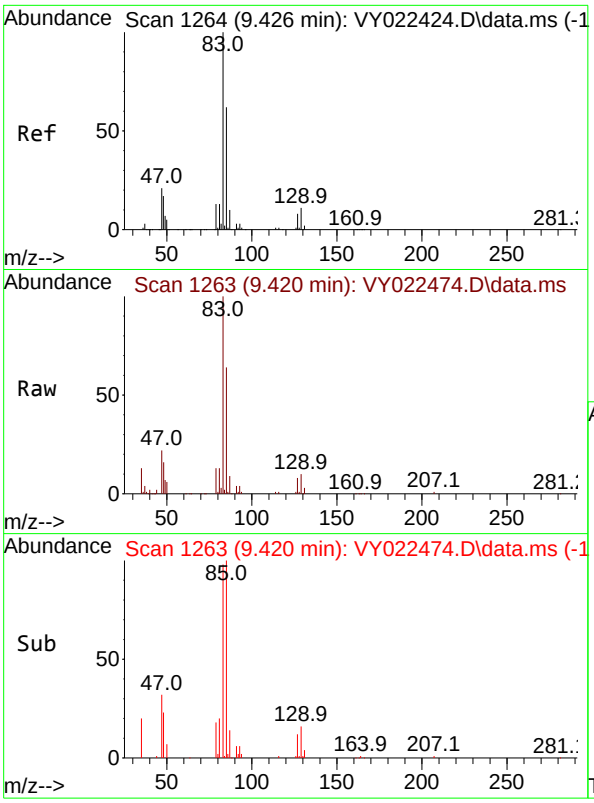


#46
Dibromomethane
Concen: 21.454 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 93 Resp: 25945

Ion	Ratio	Lower	Upper
93	100		
95	81.4	66.2	99.2
174	86.4	71.1	106.7

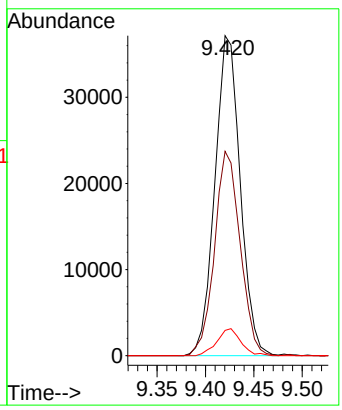




#47
Bromodichloromethane
Concen: 21.782 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 83 Resp: 6773

Ion	Ratio	Lower	Upper
83	100		
85	63.9	49.8	74.6
127	7.9	6.6	9.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

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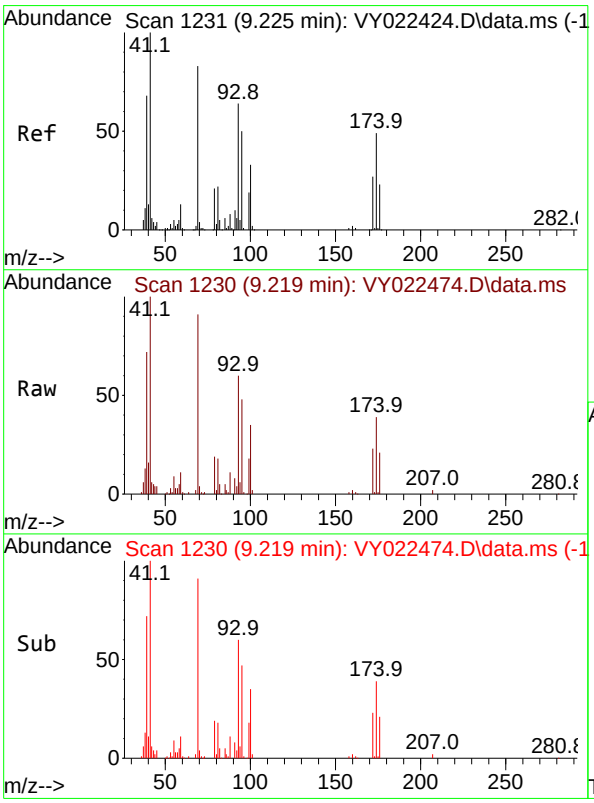
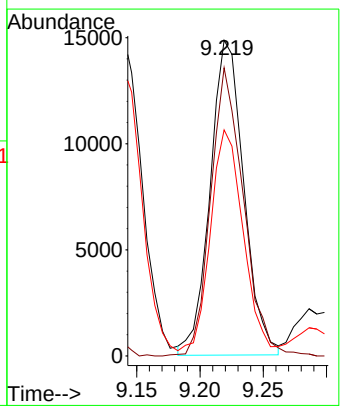
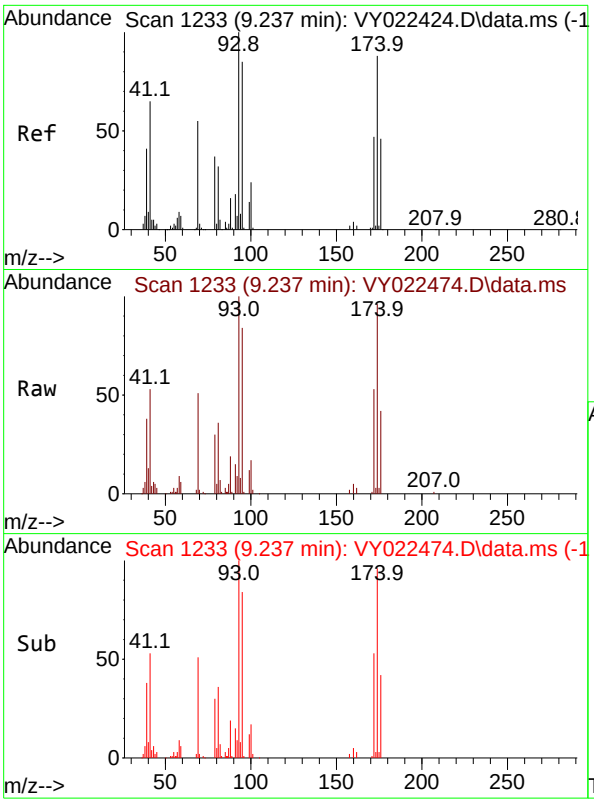


#48
Methyl methacrylate
Concen: 20.570 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 41 Resp: 27457

Ion	Ratio	Lower	Upper
41	100		
69	89.1	70.3	105.5
39	70.1	55.4	83.0

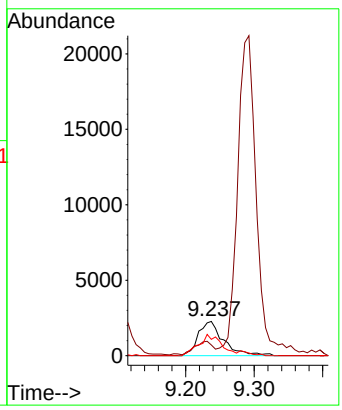




#49
1,4-Dioxane
Concen: 439.617 ug/l
RT: 9.237 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 88 Resp: 587

Ion	Ratio	Lower	Upper
88	100		
43	28.8	26.9	40.3
58	55.1	55.8	83.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

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Reviewed By :John Carlone 06/02/2025
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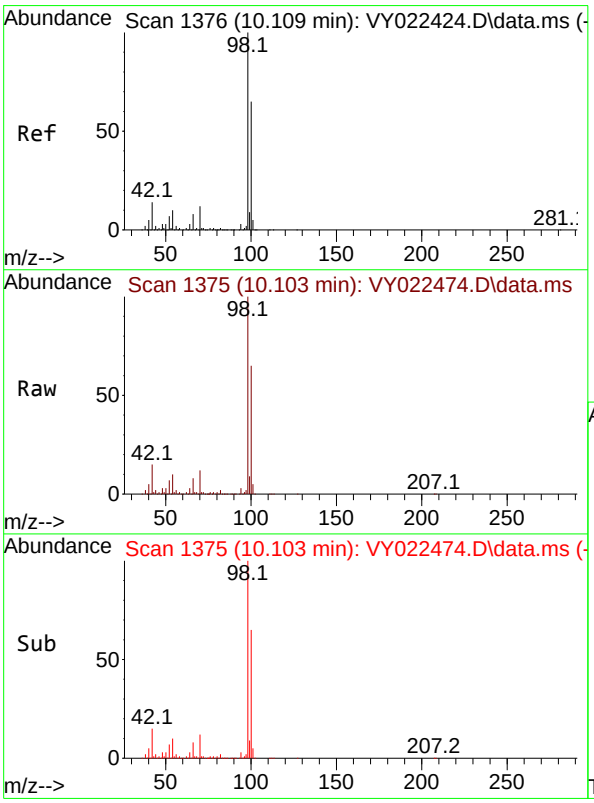
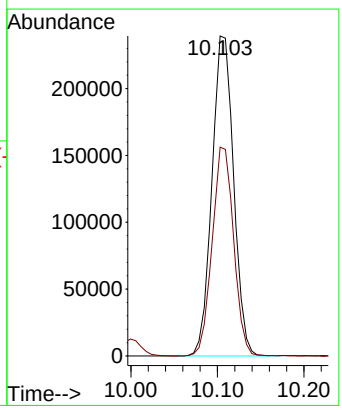
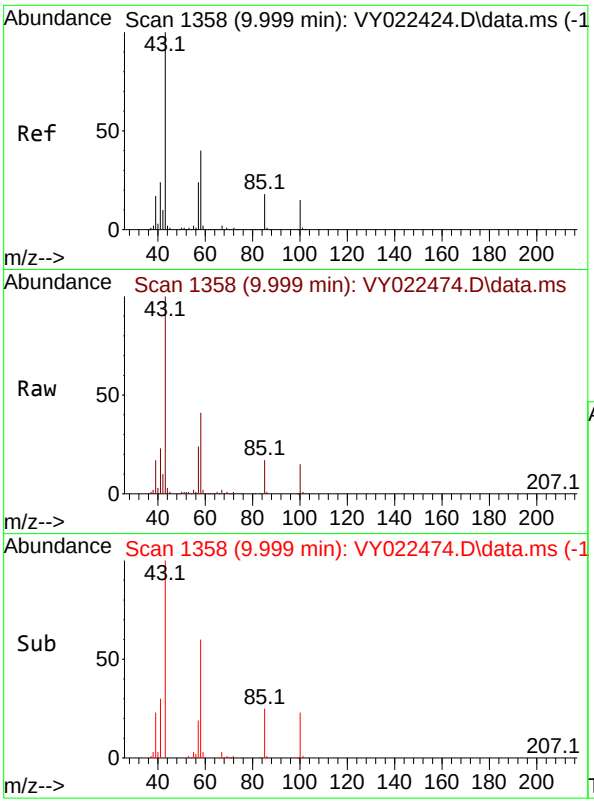


#50
Toluene-d8
Concen: 52.283 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 98 Resp: 415894

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.2	78.2





#51
4-Methyl-2-Pentanone
Concen: 102.010 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 43 Resp: 14473

Ion	Ratio	Lower	Upper
43	100		
58	38.3	31.2	46.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

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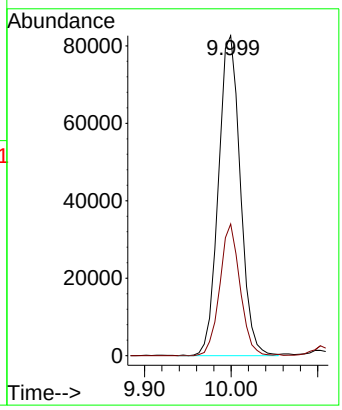
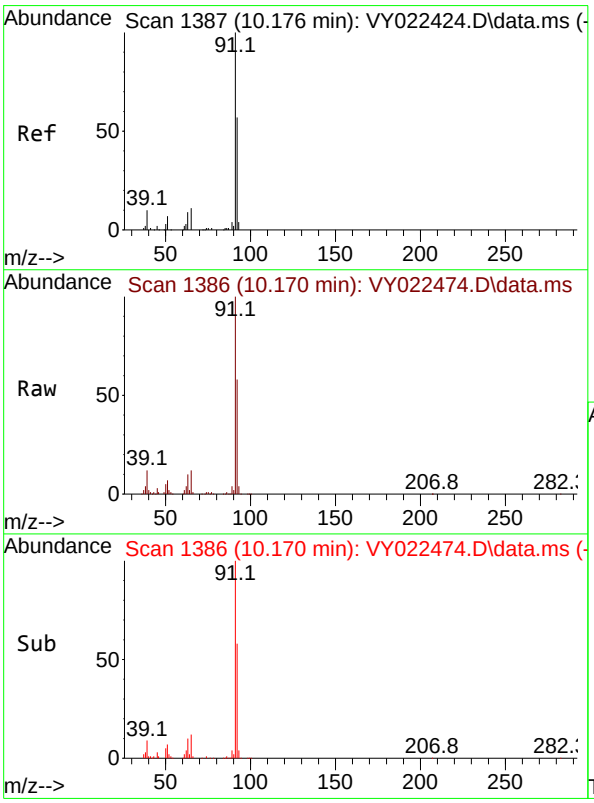
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

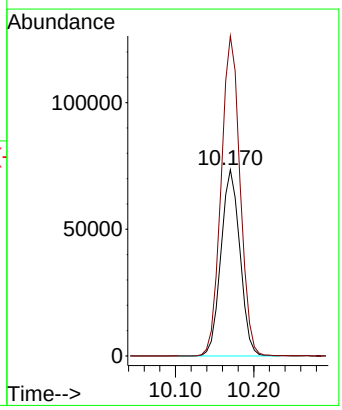


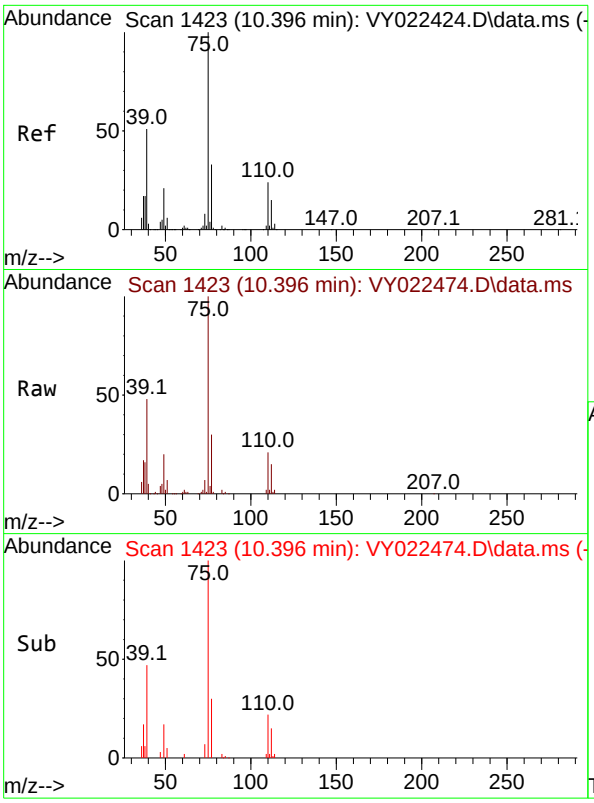


#52
Toluene
Concen: 21.534 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 92 Resp: 123925

Ion	Ratio	Lower	Upper
92	100		
91	171.7	139.8	209.6

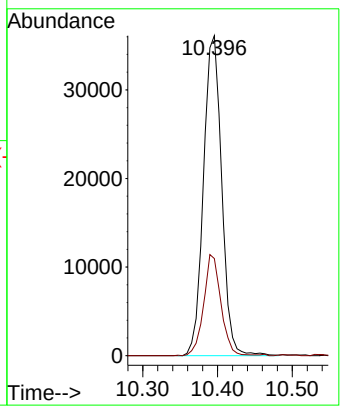




#53
t-1,3-Dichloropropene
Concen: 21.115 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 75 Resp: 6116

Ion	Ratio	Lower	Upper
75	100		
77	30.2	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

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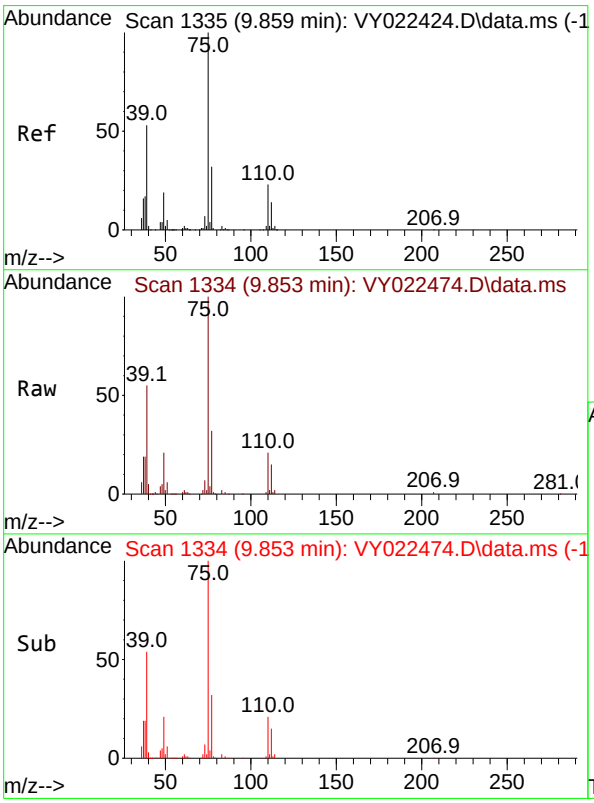
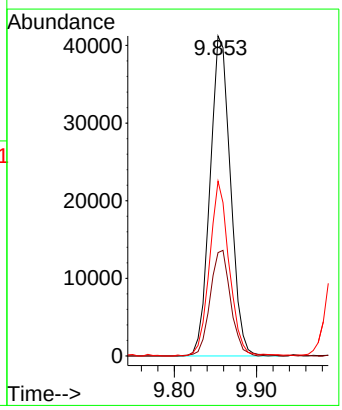
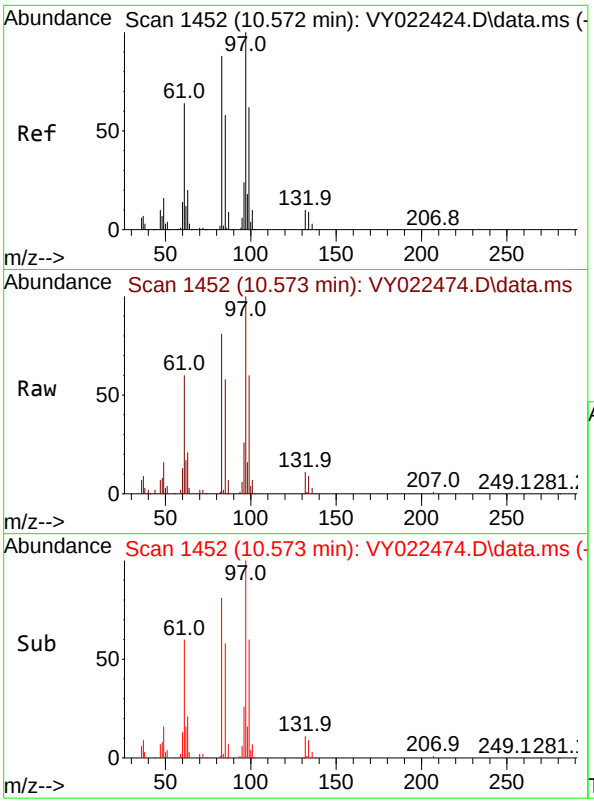


#54
cis-1,3-Dichloropropene
Concen: 20.949 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 75 Resp: 71302

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.2
39	54.3	42.5	63.7

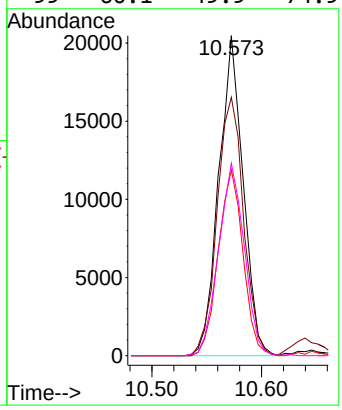




#55
1,1,2-Trichloroethane
Concen: 20.647 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 97 Resp: 3156

Ion	Ratio	Lower	Upper
97	100		
83	80.7	70.2	105.4
85	58.1	46.1	69.1
99	60.1	49.9	74.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

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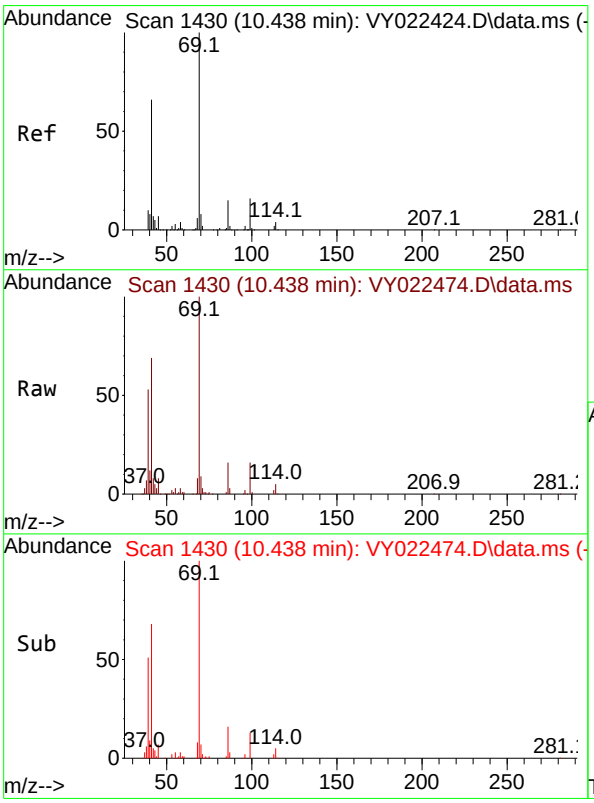
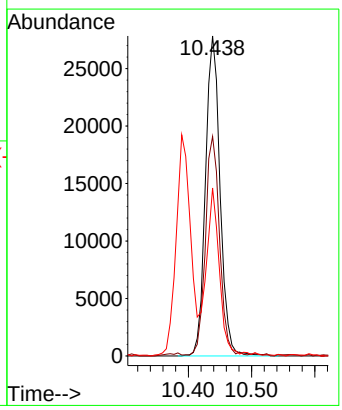
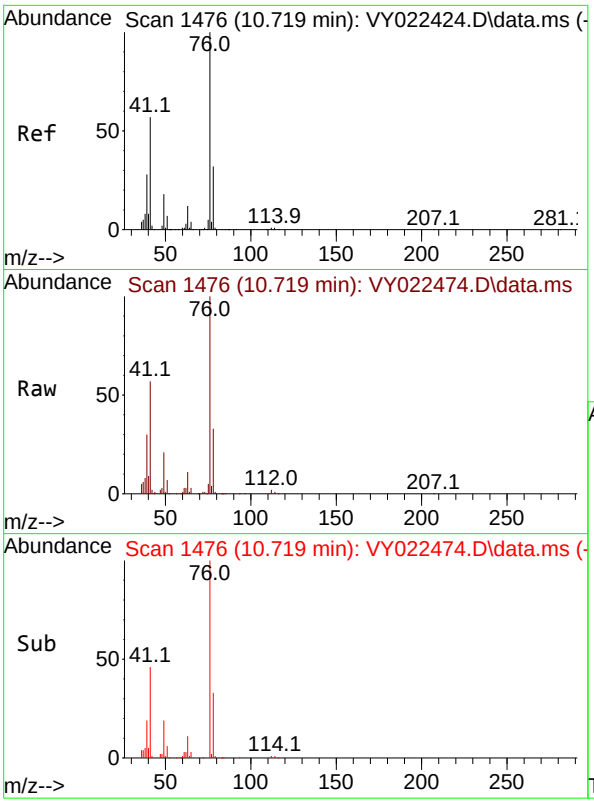


#56
Ethyl methacrylate
Concen: 20.378 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 69 Resp: 44712

Ion	Ratio	Lower	Upper
69	100		
41	66.2	51.2	76.8
39	47.9	35.2	52.8

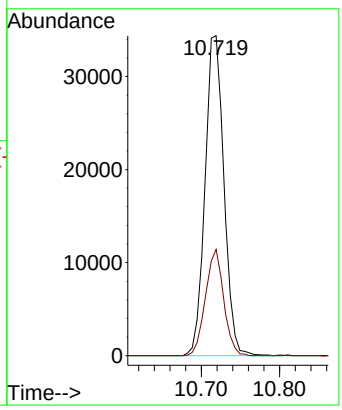




#57
1,3-Dichloropropane
Concen: 21.354 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 76 Resp: 5753

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

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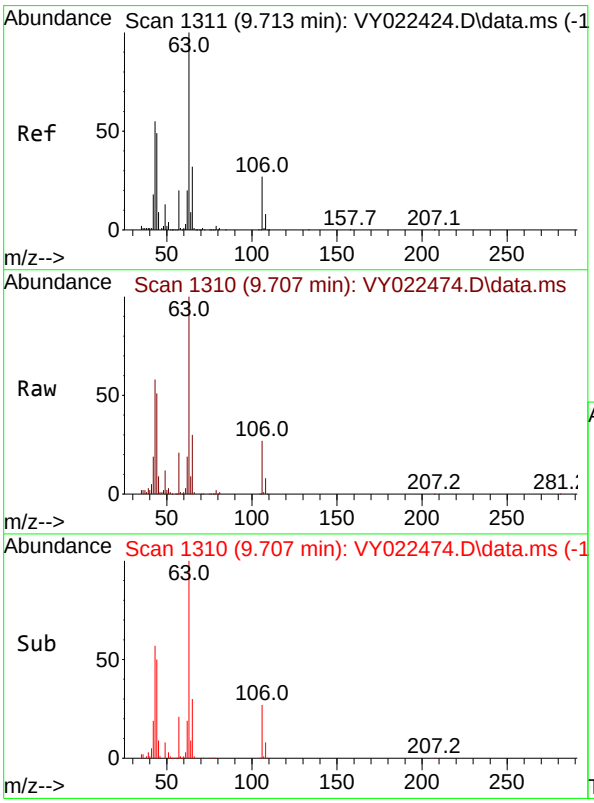
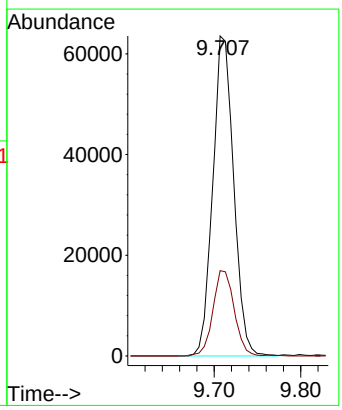
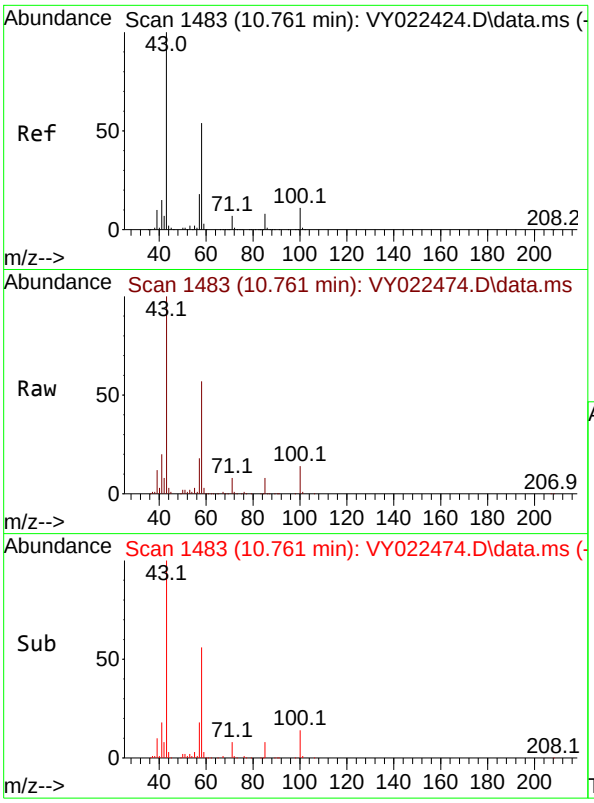


#58
2-Chloroethyl Vinyl ether
Concen: 97.487 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 63 Resp: 106603

Ion	Ratio	Lower	Upper
63	100		
106	27.2	22.2	33.2





#59
2-Hexanone
Concen: 96.532 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 43 Resp: 8975

Ion	Ratio	Lower	Upper
43	100		
58	55.8	27.1	81.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

Manual Integrations
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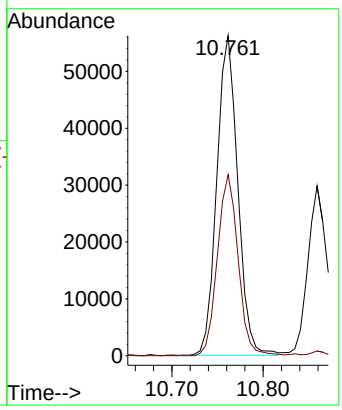
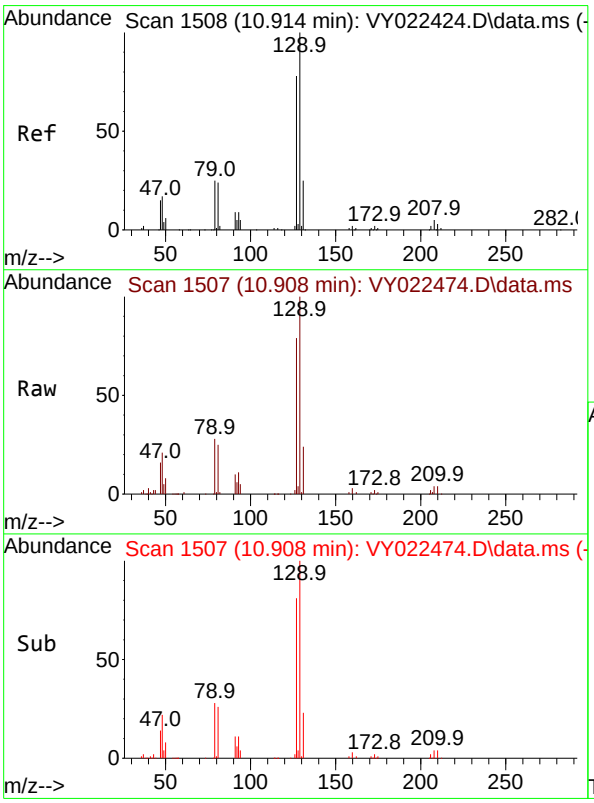
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

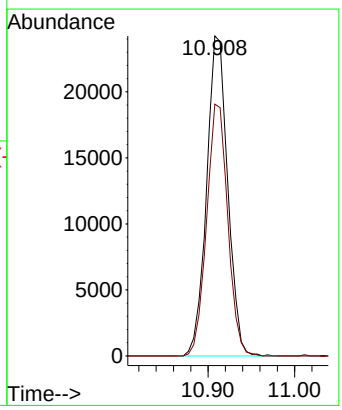


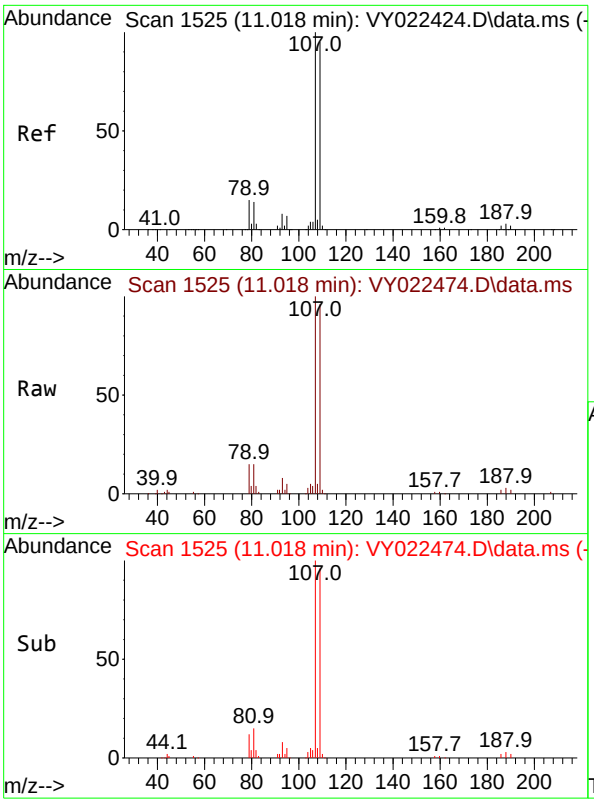


#60
Dibromochloromethane
Concen: 20.988 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion:129 Resp: 40992

Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.3	114.8





#61
1,2-Dibromoethane
Concen: 20.422 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion:107 Resp: 2855

Ion	Ratio	Lower	Upper
107	100		
109	97.3	74.0	111.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

Manual Integrations
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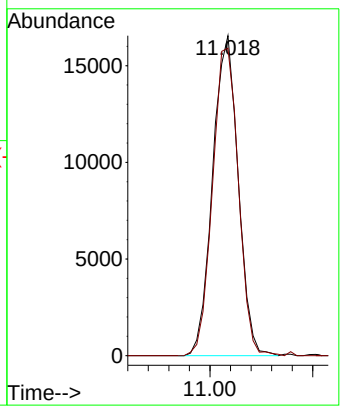
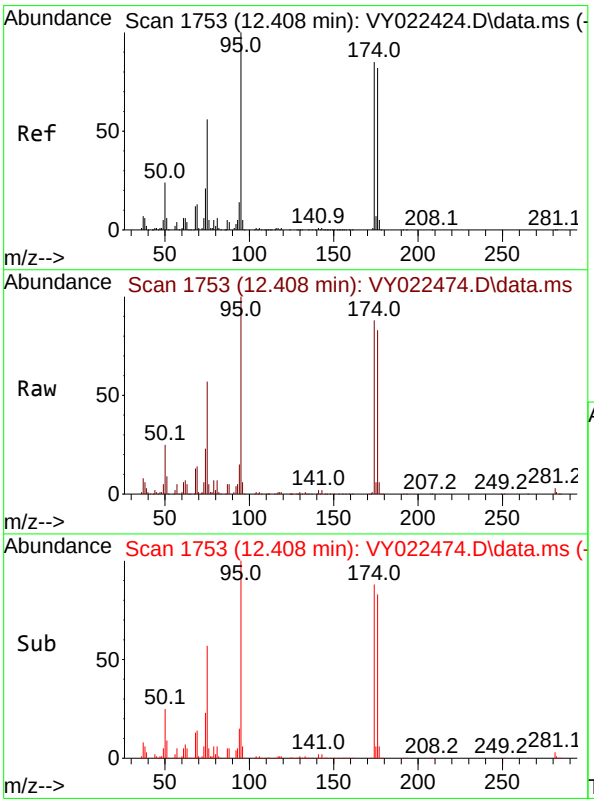
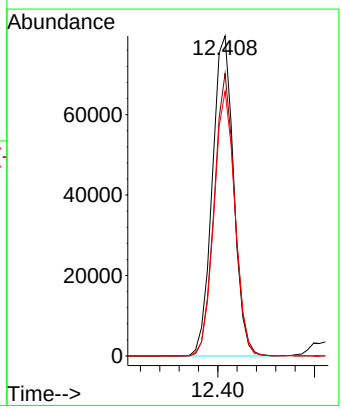


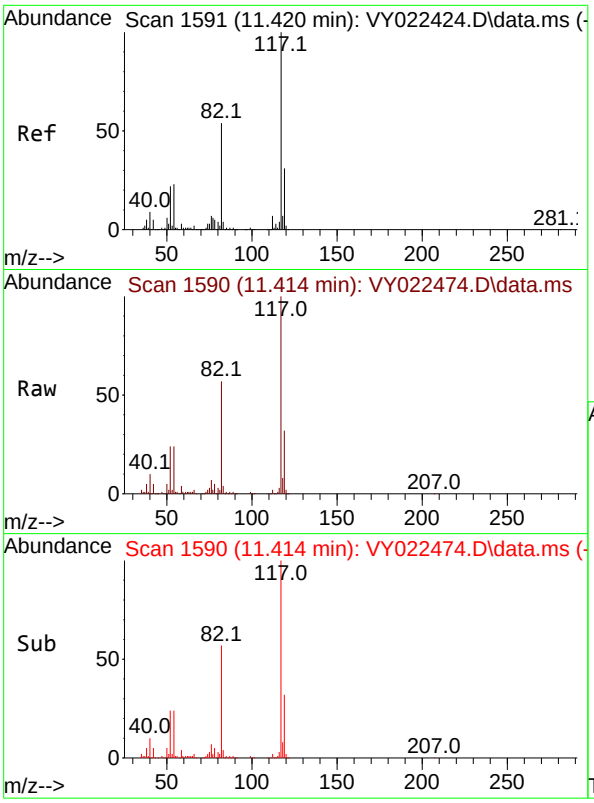


#62
4-Bromofluorobenzene
Concen: 50.557 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 95 Resp: 121648

Ion	Ratio	Lower	Upper
95	100		
174	84.4	0.0	171.6
176	81.2	0.0	164.6

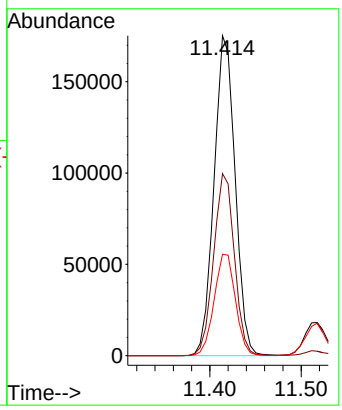




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion:117 Resp: 28113

Ion	Ratio	Lower	Upper
117	100		
82	56.9	43.3	64.9
119	31.7	24.5	36.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

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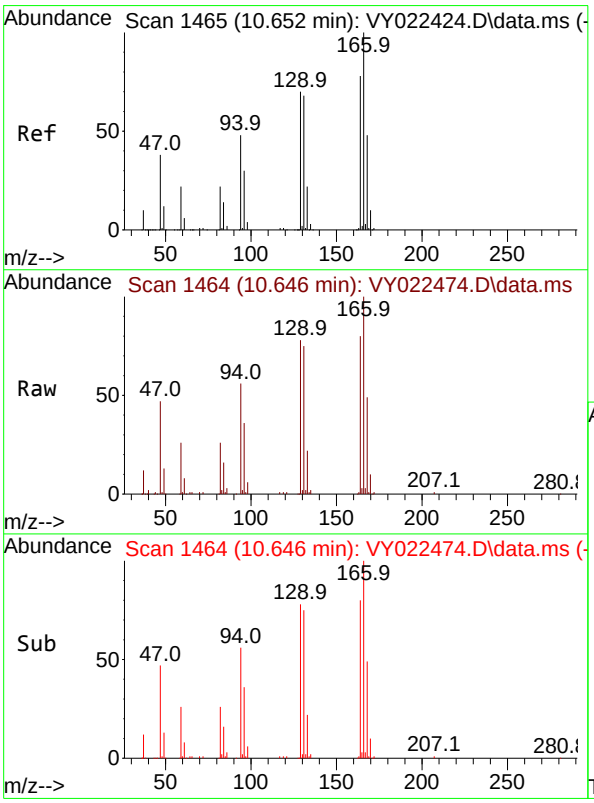
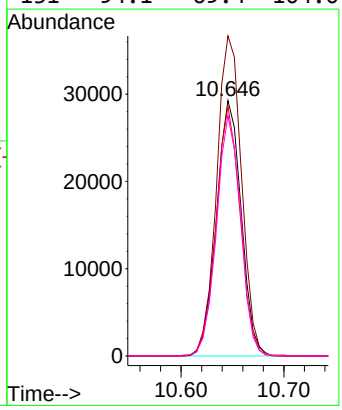
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

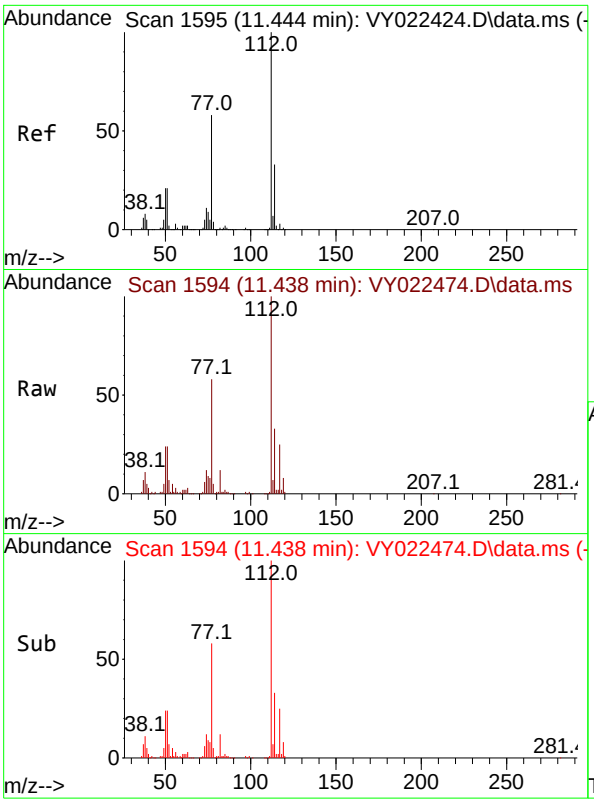


#64
Tetrachloroethene
Concen: 20.485 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion:164 Resp: 49047

Ion	Ratio	Lower	Upper
164	100		
166	125.3	102.0	153.0
129	97.7	71.3	106.9
131	94.1	69.4	104.0

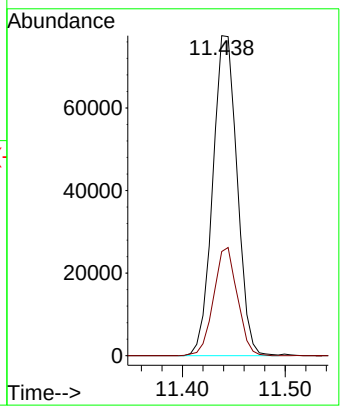




#65
Chlorobenzene
Concen: 21.279 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion:112 Resp: 12756

Ion	Ratio	Lower	Upper
112	100		
114	32.6	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

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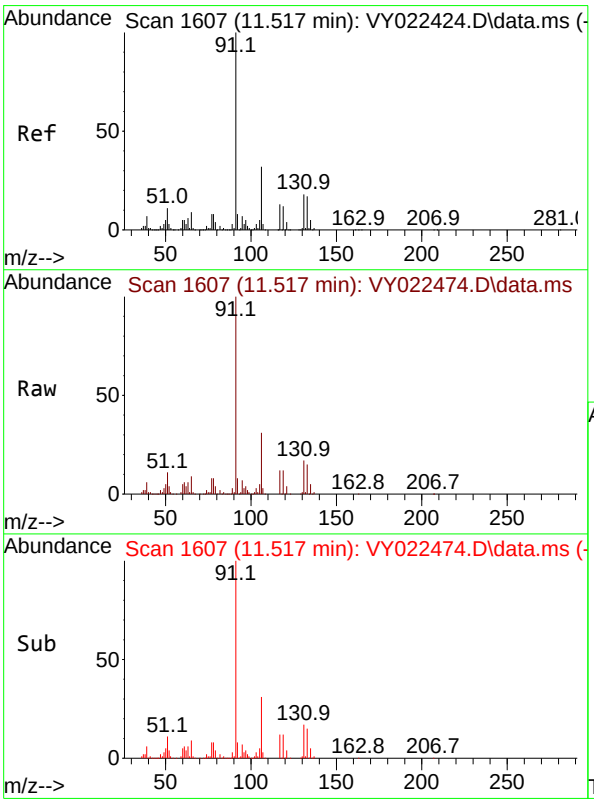
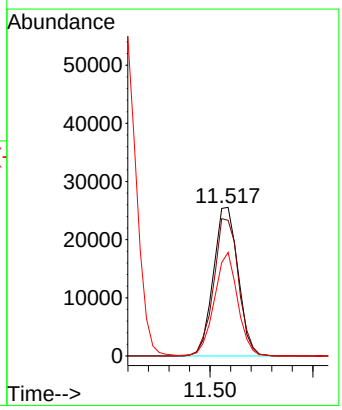
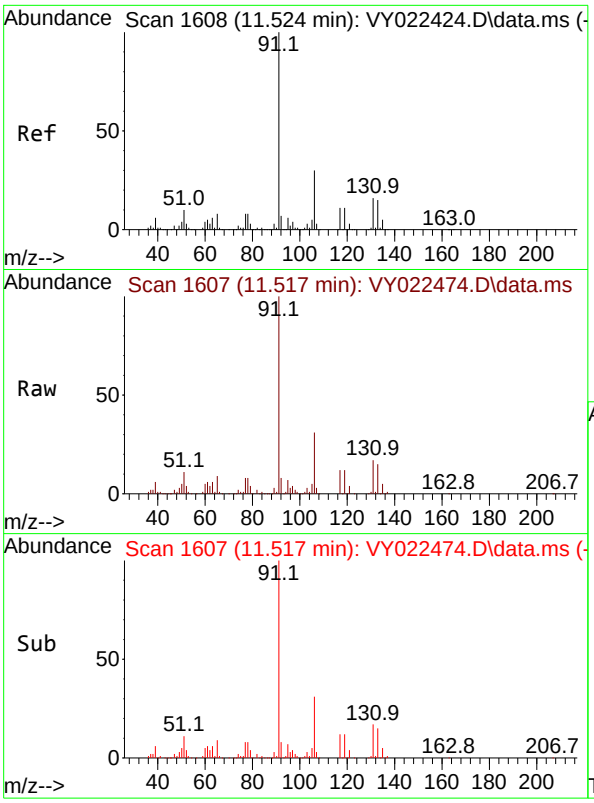


#66
1,1,1,2-Tetrachloroethane
Concen: 20.988 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion:131 Resp: 42628

Ion	Ratio	Lower	Upper
131	100		
133	93.3	46.6	139.8
119	65.9	33.3	99.8





#67
Ethyl Benzene
Concen: 20.817 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 91 Resp: 23171

Ion	Ratio	Lower	Upper
91	100		
106	31.5	24.4	36.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

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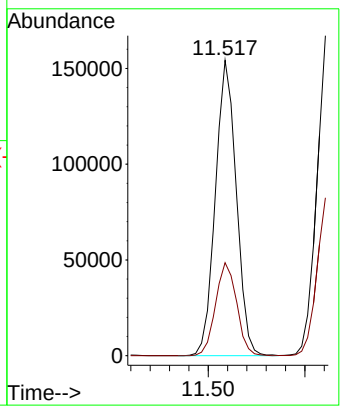
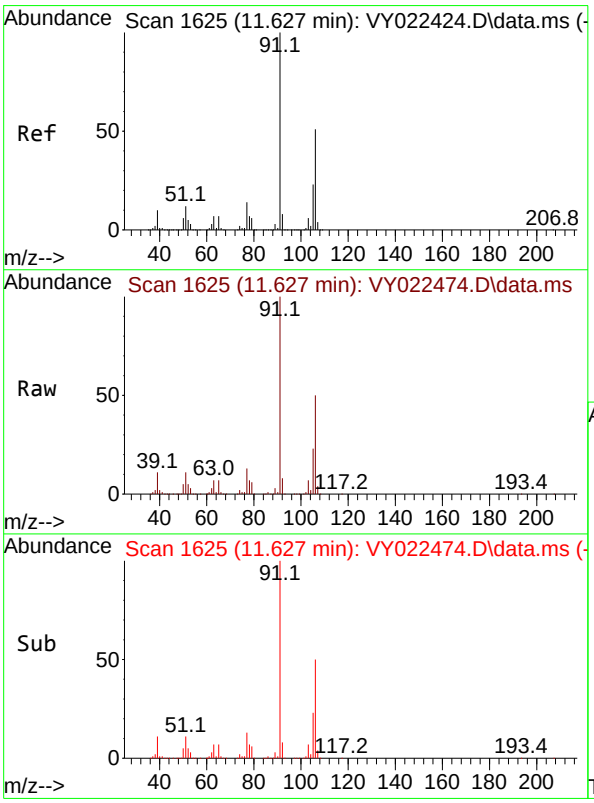
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

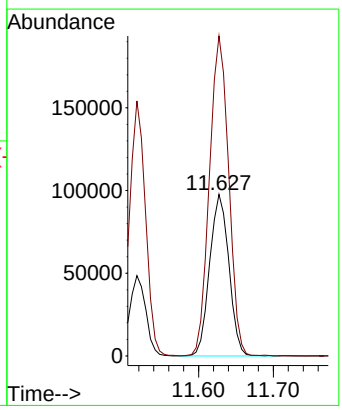


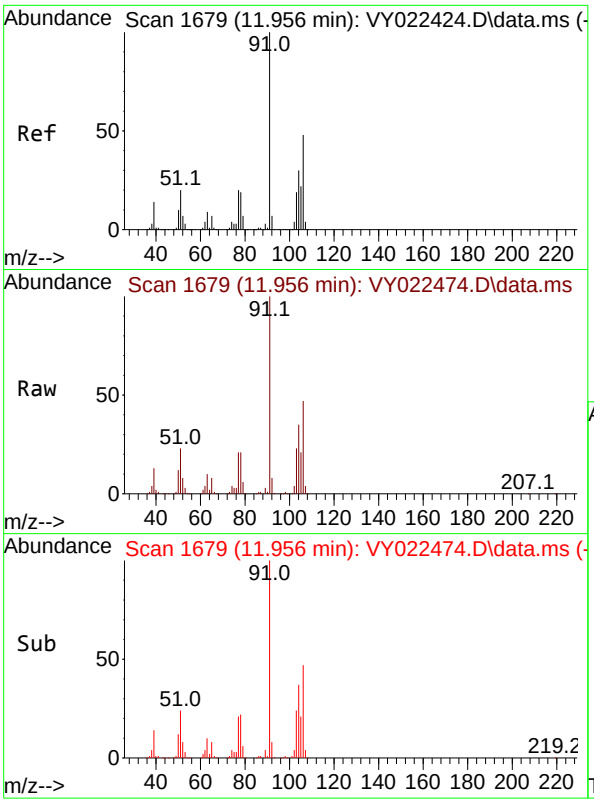


#68
m/p-Xylenes
Concen: 41.337 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion:106 Resp: 174451

Ion	Ratio	Lower	Upper
106	100		
91	198.3	159.8	239.8





#69
o-Xylene
Concen: 21.188 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion:106 Resp: 8403

Ion	Ratio	Lower	Upper
106	100		
91	208.8	106.3	318.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

Manual Integrations
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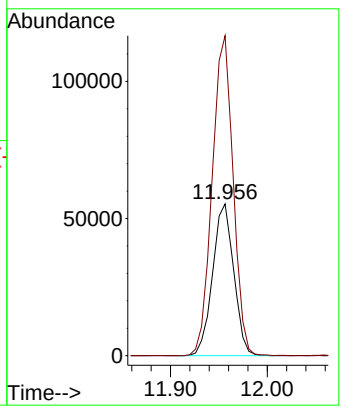
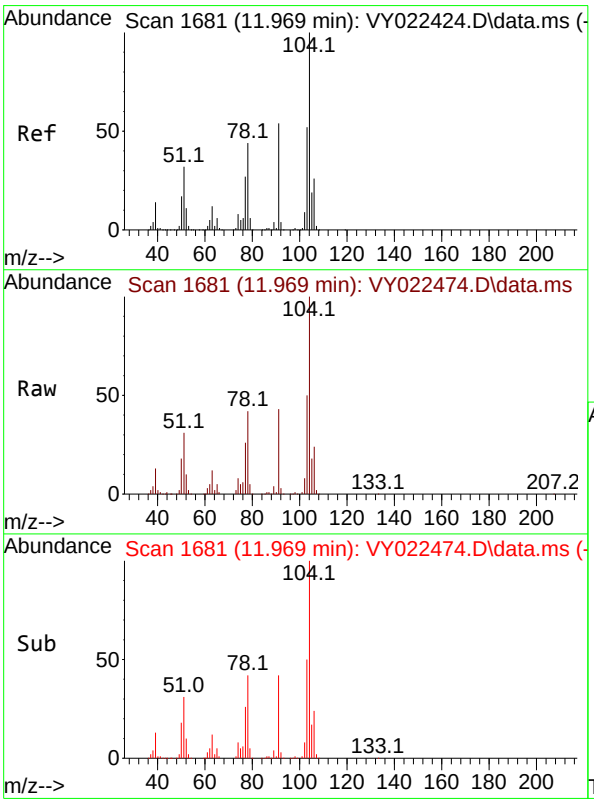
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

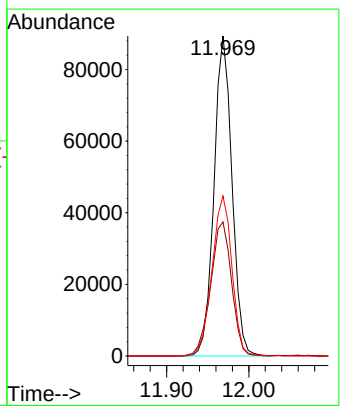


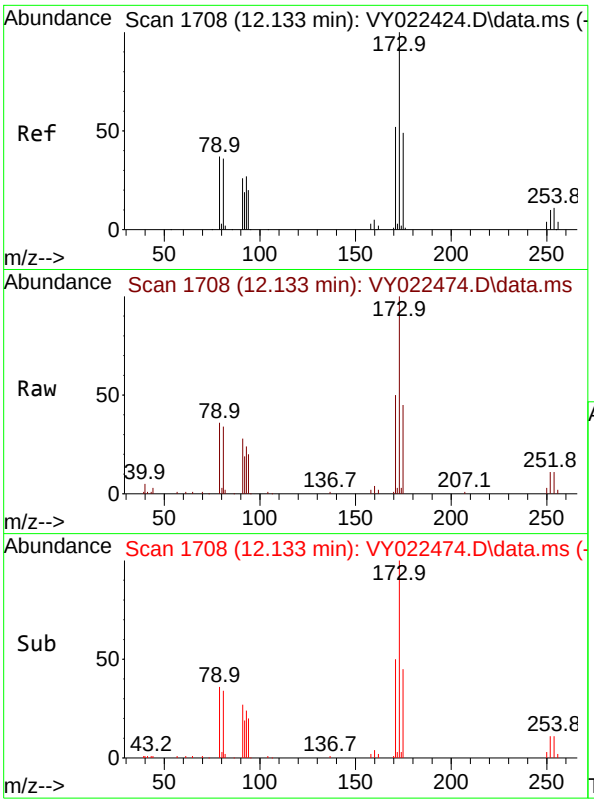


#70
Styrene
Concen: 20.601 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion:104 Resp: 136057

Ion	Ratio	Lower	Upper
104	100		
78	48.5	38.8	58.2
103	55.2	43.4	65.2

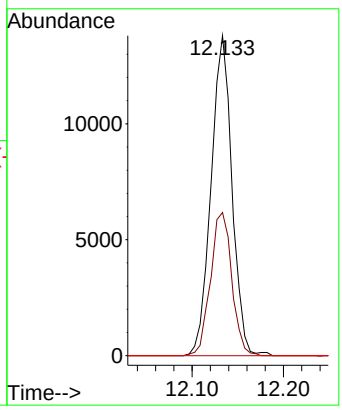




#71
Bromoform
Concen: 20.632 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion:173 Resp: 2195

Ion	Ratio	Lower	Upper
173	100		
175	45.5	24.3	73.0
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

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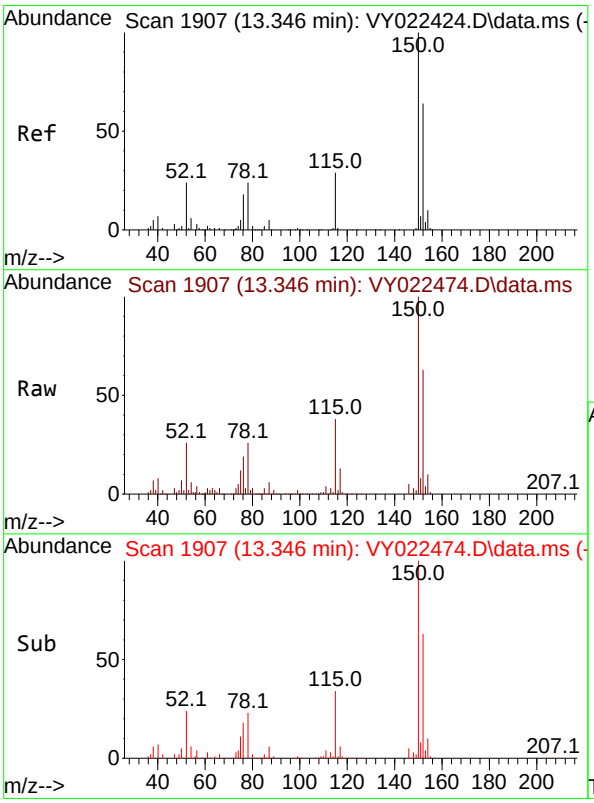
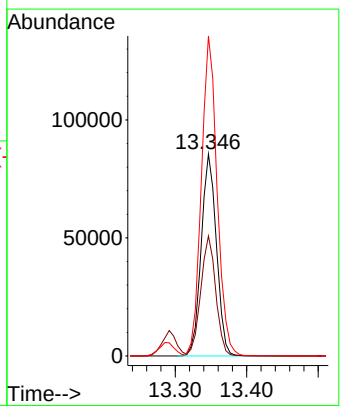
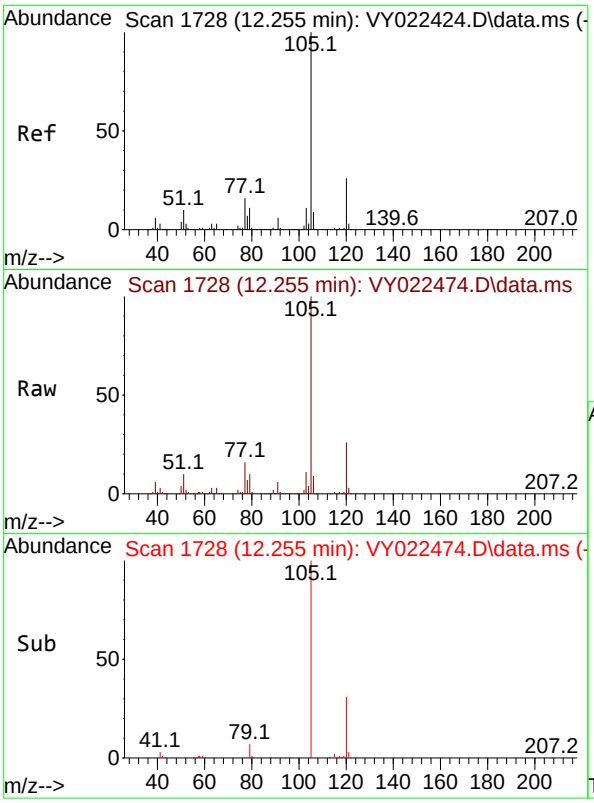


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion:152 Resp: 126345

Ion	Ratio	Lower	Upper
152	100		
115	58.5	28.4	85.3
150	164.0	0.0	345.8

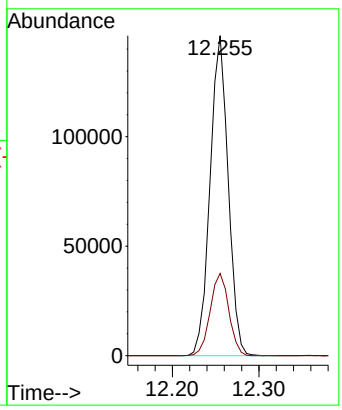




#73
Isopropylbenzene
Concen: 21.343 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion:105 Resp: 21222

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

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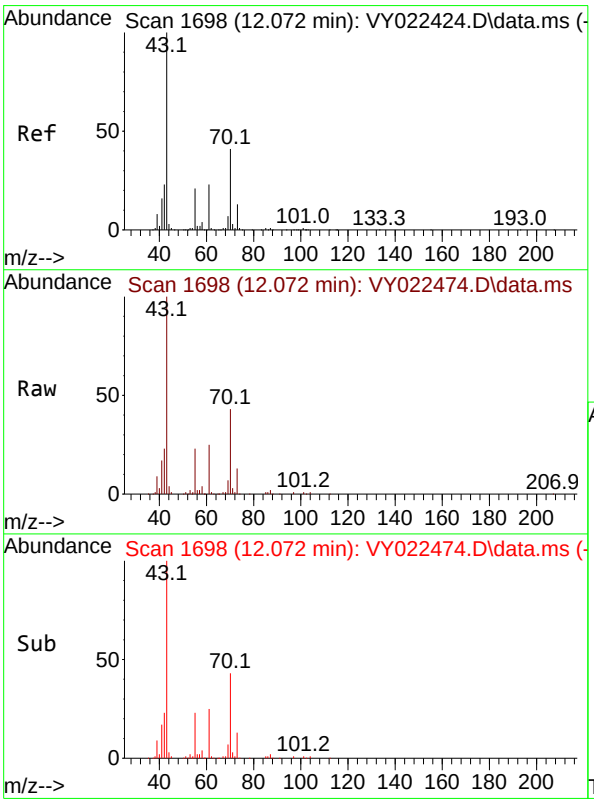
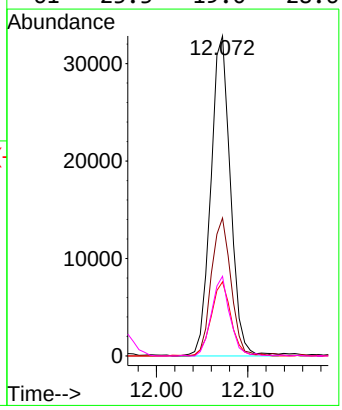
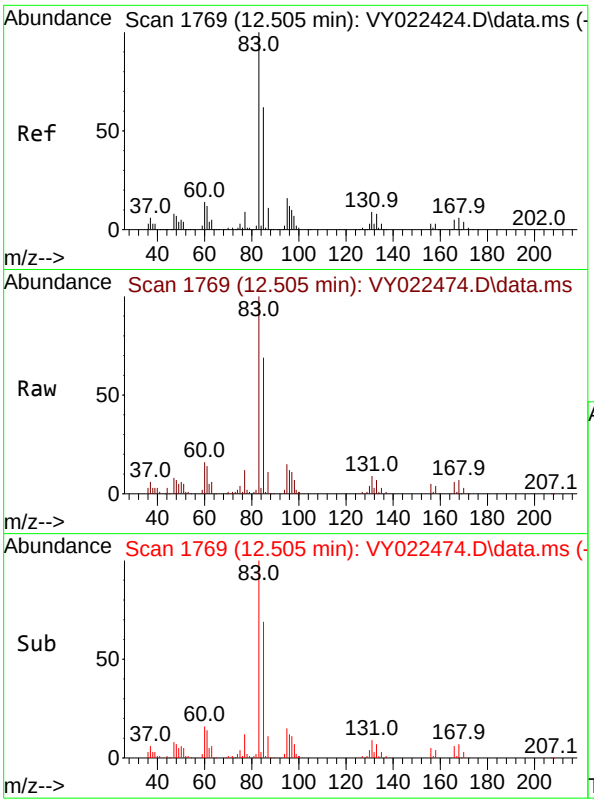


#74
N-amyl acetate
Concen: 20.176 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 43 Resp: 49092

Ion	Ratio	Lower	Upper
43	100		
70	43.0	33.0	49.4
55	23.4	17.5	26.3
61	23.3	19.0	28.6





#75
1,1,2,2-Tetrachloroethane
Concen: 21.281 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 83 Resp: 3334

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.8	14.4
85	64.3	32.0	96.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

Manual Integrations
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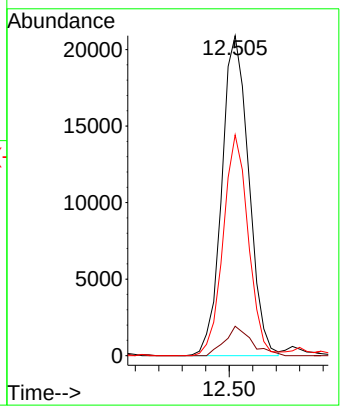
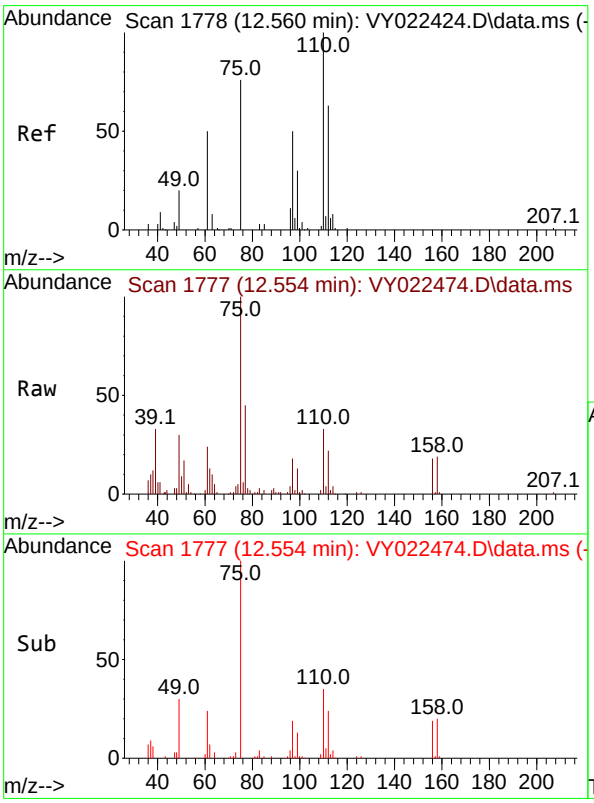
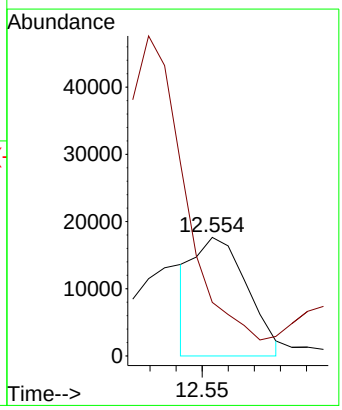


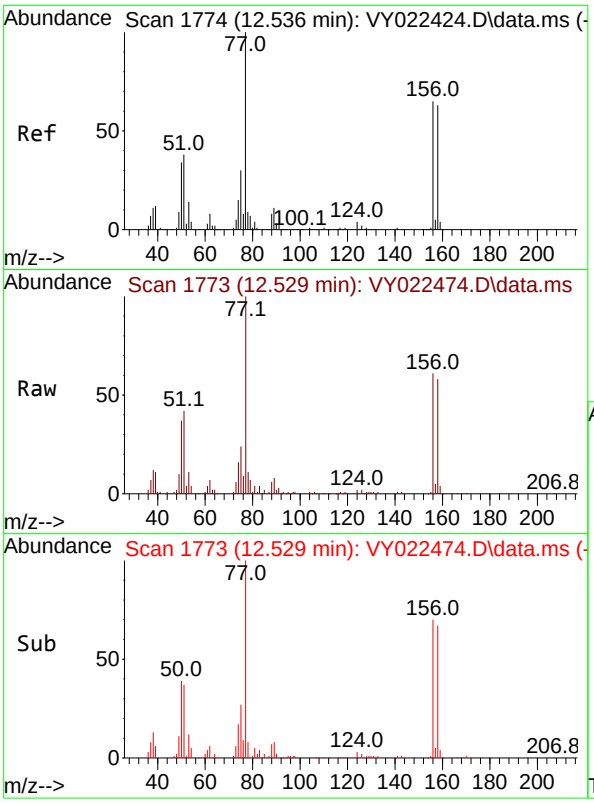


#76
1,2,3-Trichloropropane
Concen: 19.810 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 75 Resp: 25071

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

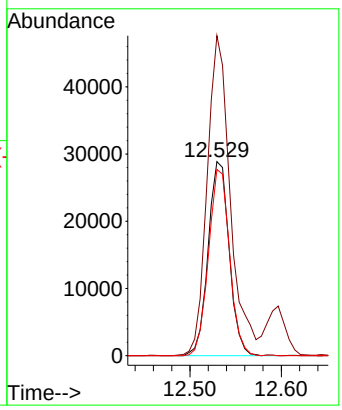




#77
Bromobenzene
Concen: 21.566 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion:156 Resp: 4614

Ion	Ratio	Lower	Upper
156	100		
77	180.7	91.4	274.2
158	96.1	48.1	144.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

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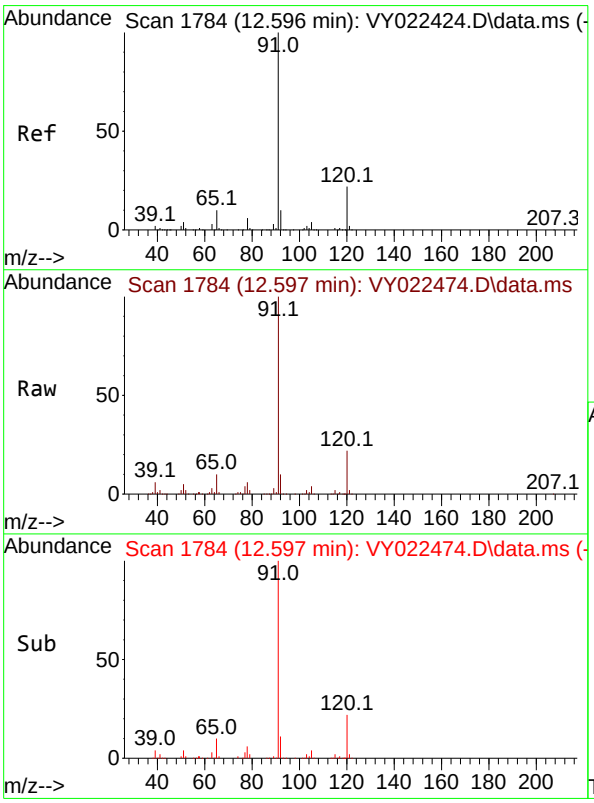
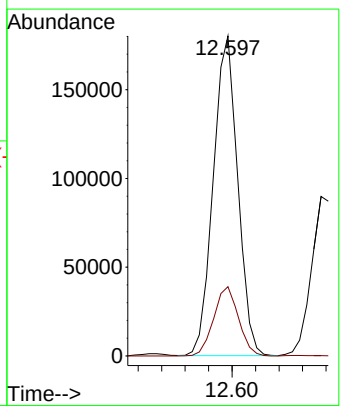
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

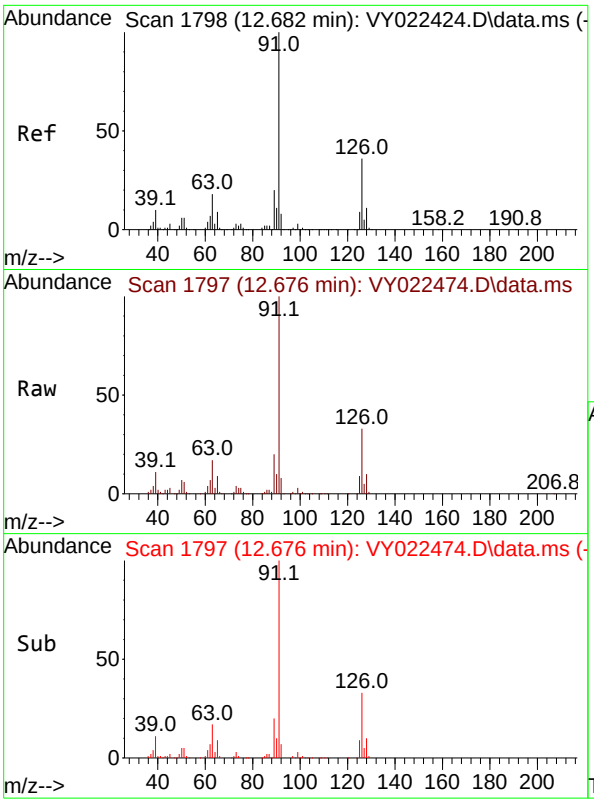


#78
n-propylbenzene
Concen: 21.829 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 91 Resp: 260496

Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.2	33.5

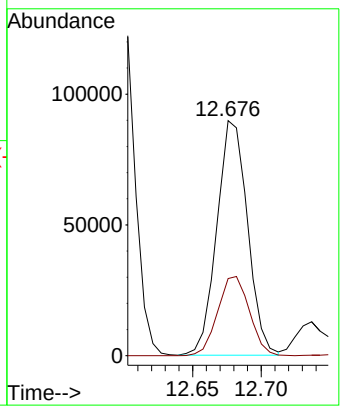




#79
2-Chlorotoluene
Concen: 21.674 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 91 Resp: 14001

Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.4	52.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

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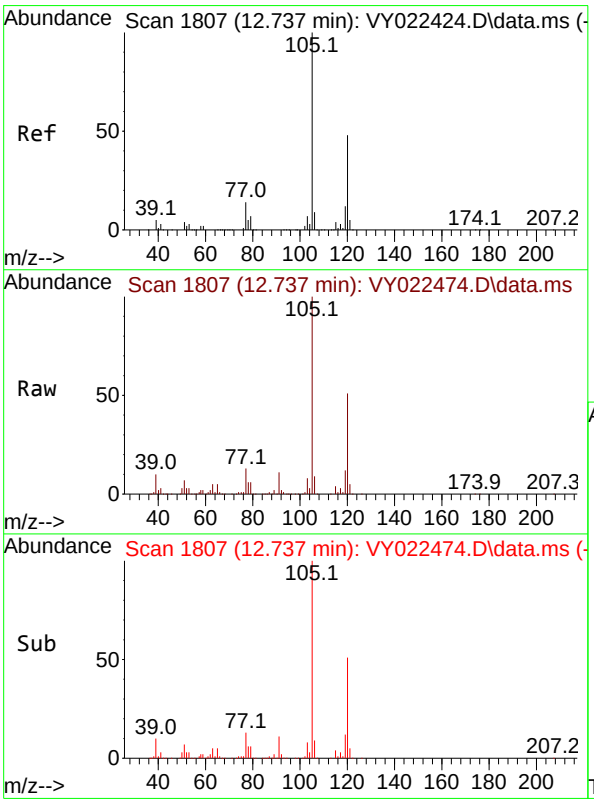
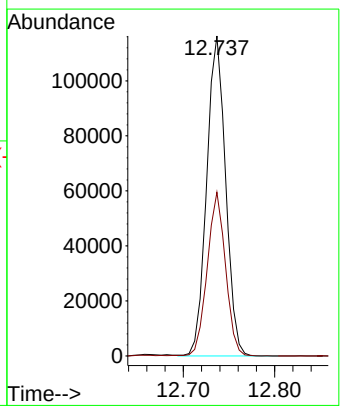
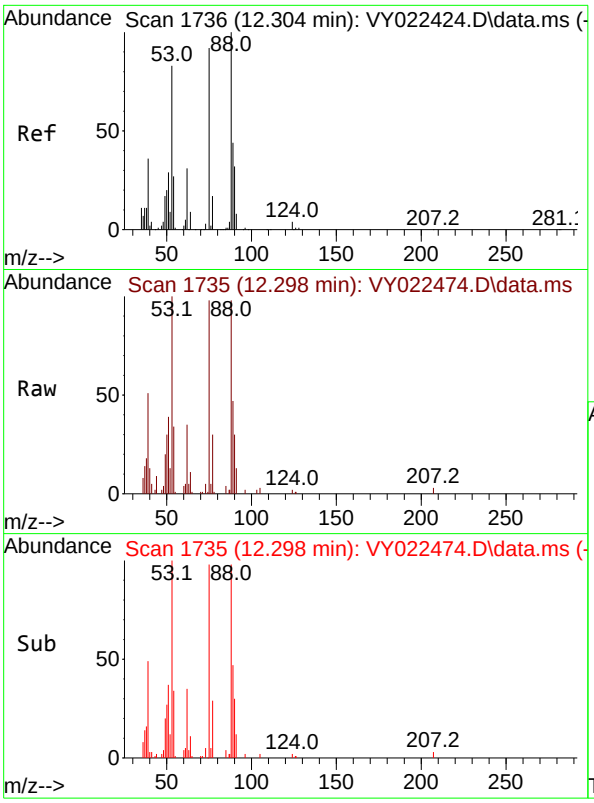


#80
1,3,5-Trimethylbenzene
Concen: 21.476 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion:105 Resp: 166861

Ion	Ratio	Lower	Upper
105	100		
120	49.4	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 20.101 ug/l
RT: 12.298 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 75 Resp: 1124

Ion	Ratio	Lower	Upper
75	100		
53	97.1	75.1	112.7
89	44.1	37.4	56.0

Instrument :
MSVOA_Y
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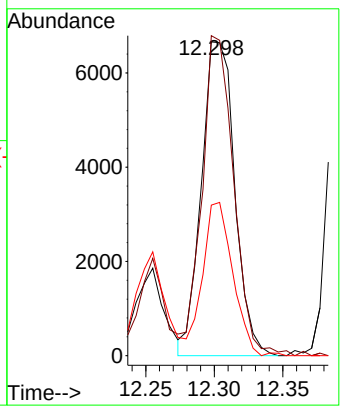
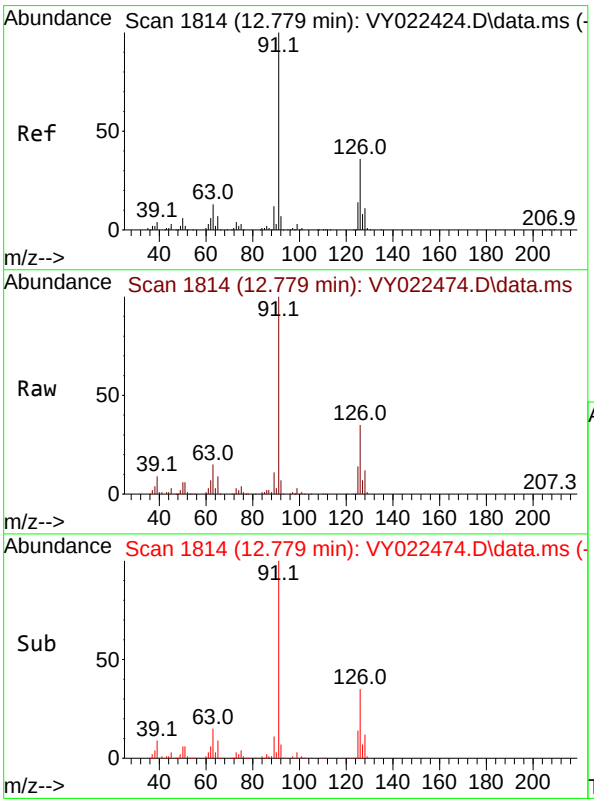
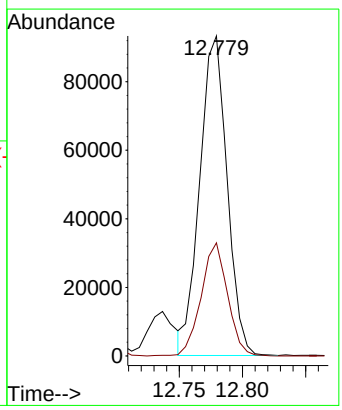


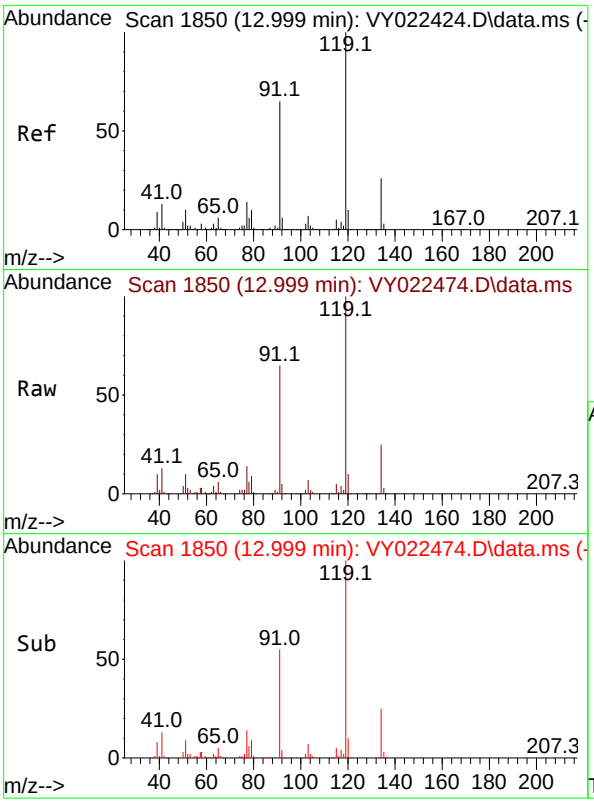


#82
4-Chlorotoluene
Concen: 21.051 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 91 Resp: 140053

Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.2	51.6





#83
tert-Butylbenzene
Concen: 21.381 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion:119 Resp: 15008

Ion	Ratio	Lower	Upper
119	100		
91	65.1	31.8	95.3
134	25.8	13.0	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

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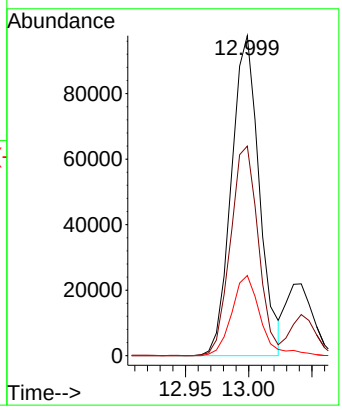
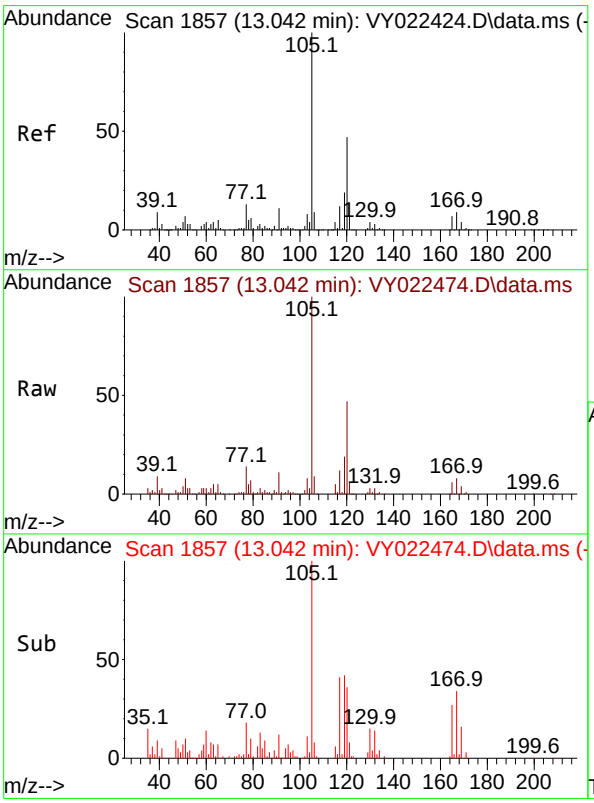
Supervised By :Mahesh Dadoda 06/02/2025

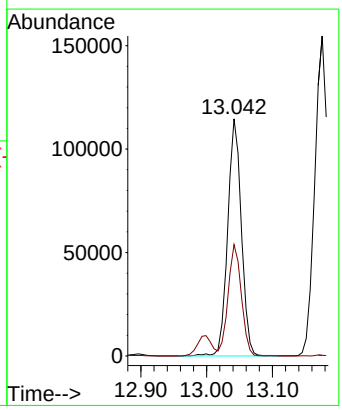


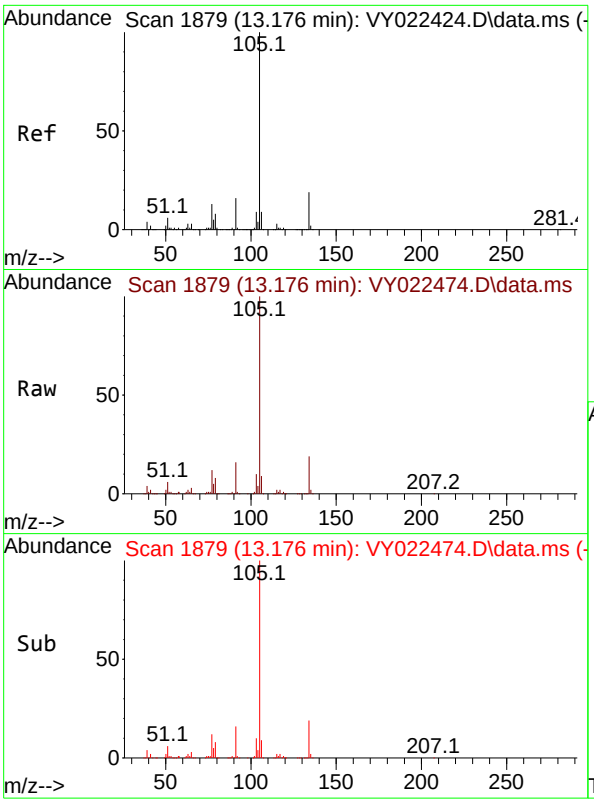


#84
1,2,4-Trimethylbenzene
Concen: 21.208 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion:105 Resp: 165819

Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.9	68.5





#85
sec-Butylbenzene
Concen: 21.428 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion:105 Resp: 22306

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.7	29.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

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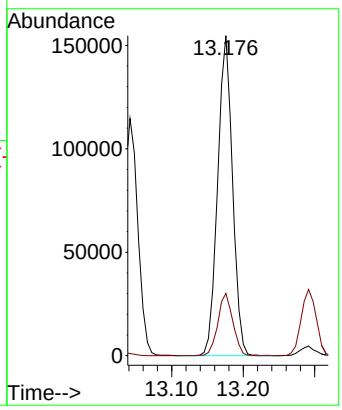
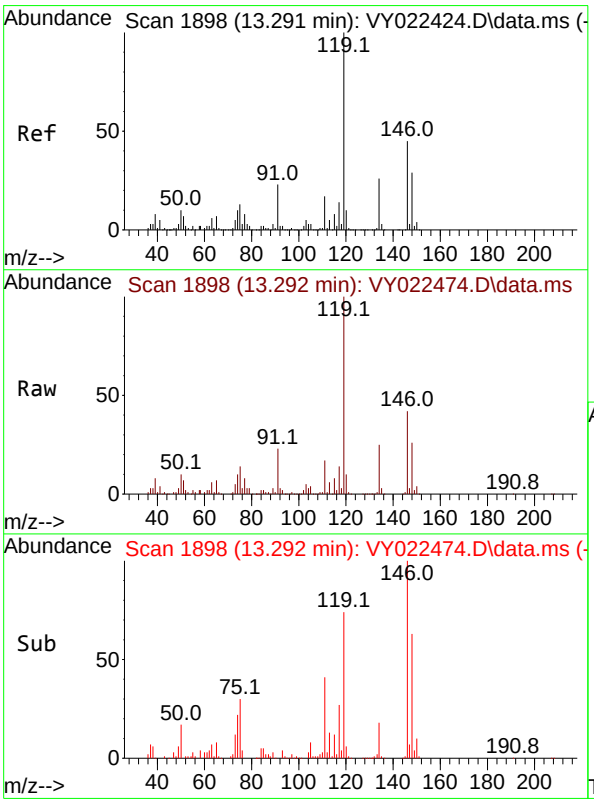
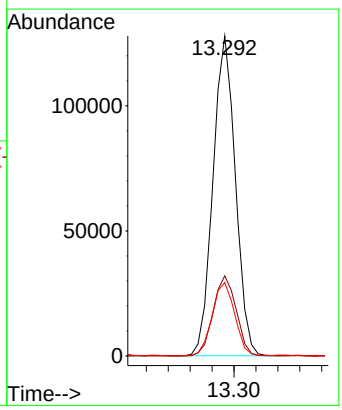


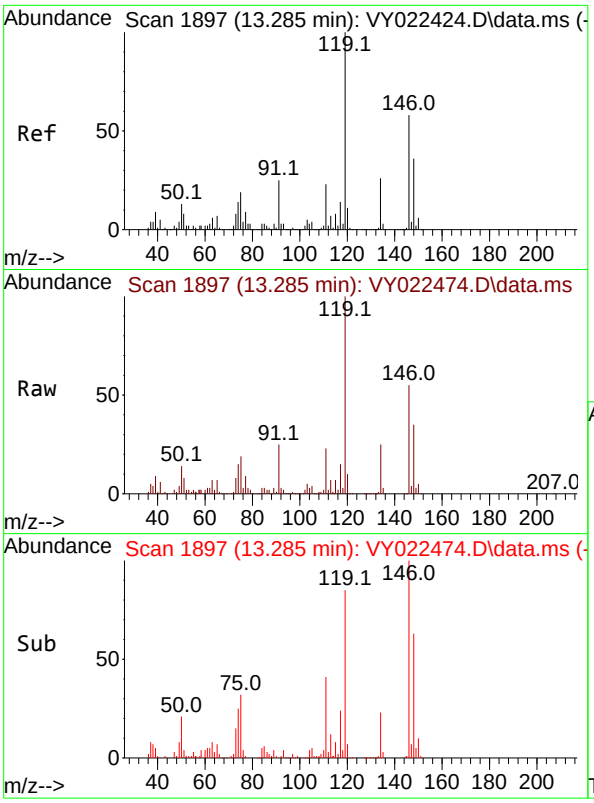


#86
p-Isopropyltoluene
Concen: 20.892 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion:119 Resp: 181615

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	39.0
91	23.2	11.6	34.8





#87
1,3-Dichlorobenzene
Concen: 20.987 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion:146 Resp: 9036

Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.6	58.8
148	61.9	31.7	95.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

Manual Integrations
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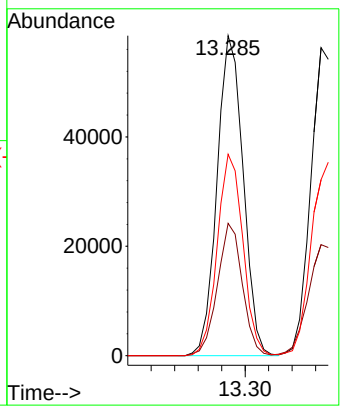
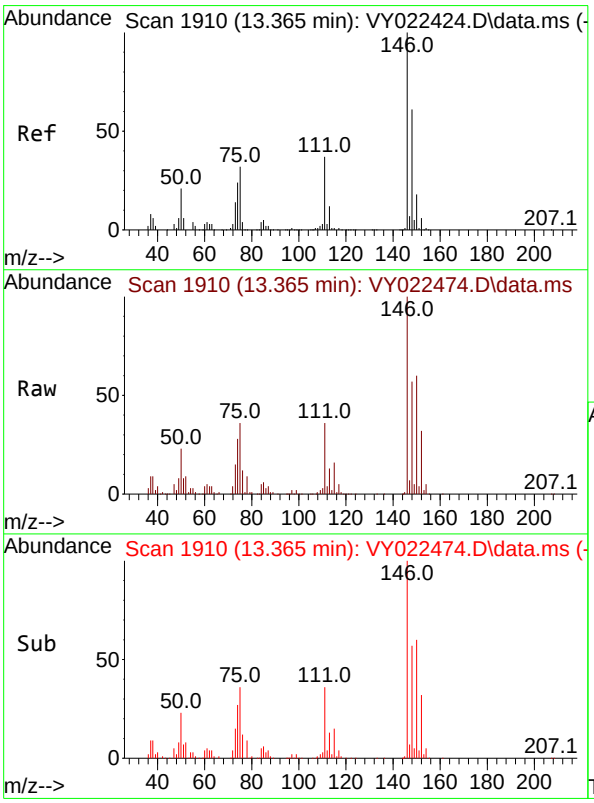
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

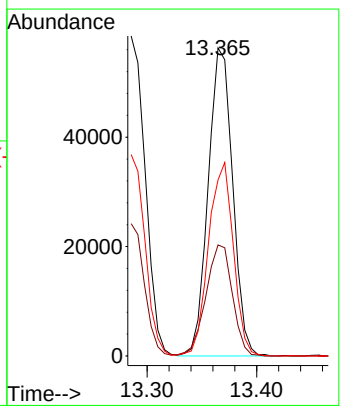


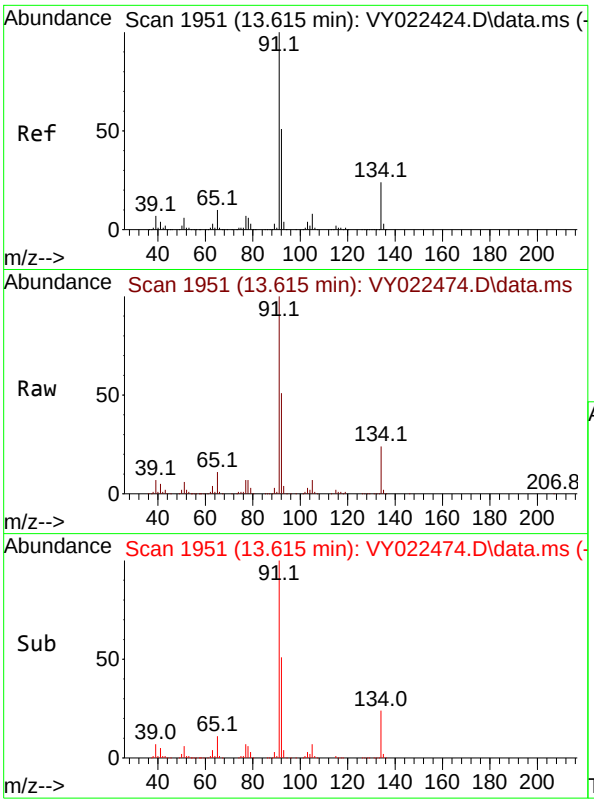


#88
1,4-Dichlorobenzene
Concen: 21.264 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion:146 Resp: 87543

Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.7	56.1
148	63.6	31.4	94.3

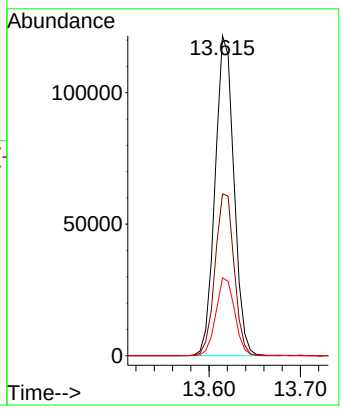




#89
n-Butylbenzene
Concen: 21.359 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 91 Resp: 17409

Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.9	77.6
134	24.3	12.4	37.0



Instrument :
MSVOA_Y
ClientSampleId :
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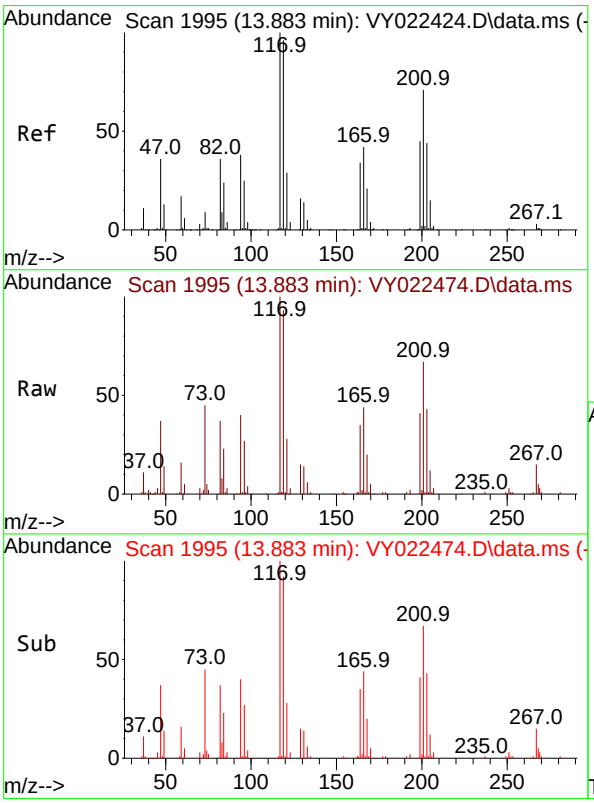
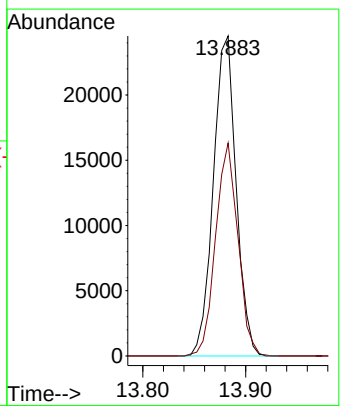
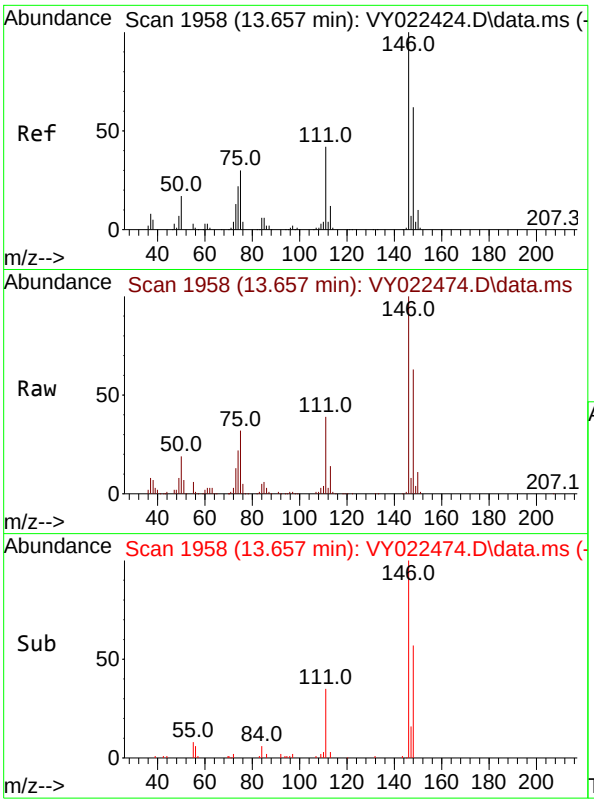


#90
Hexachloroethane
Concen: 21.814 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion:117 Resp: 37738

Ion	Ratio	Lower	Upper
117	100		
201	65.2	35.0	105.0

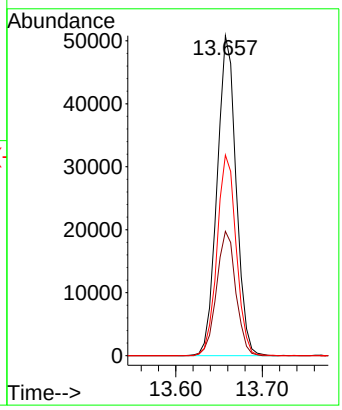




#91
1,2-Dichlorobenzene
Concen: 21.505 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion:146 Resp: 7733

Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.5	61.6
148	63.3	31.9	95.9



Instrument :
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ClientSampleId :
VY0530SBS01

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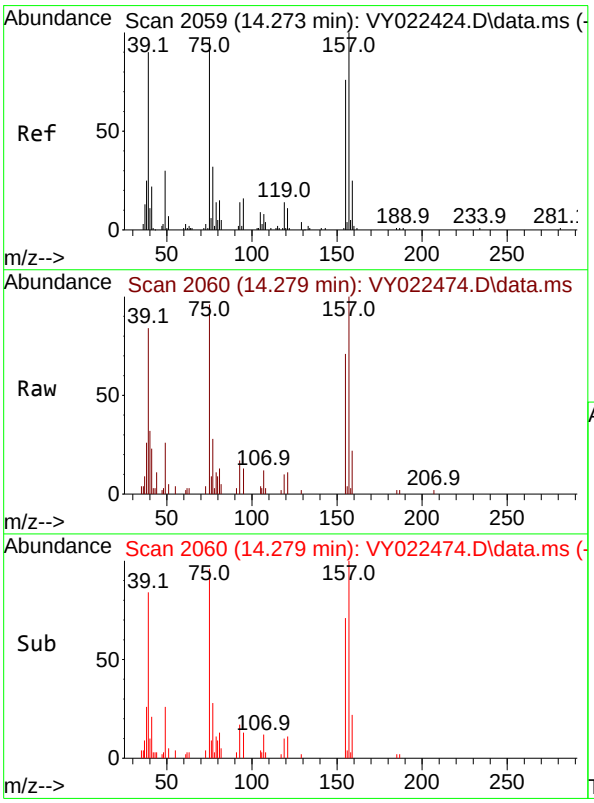
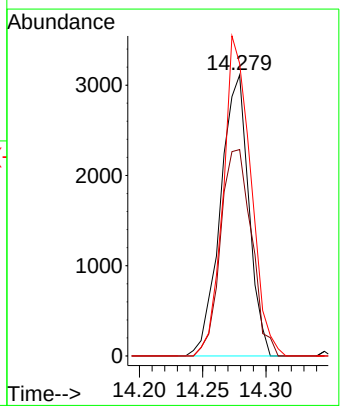
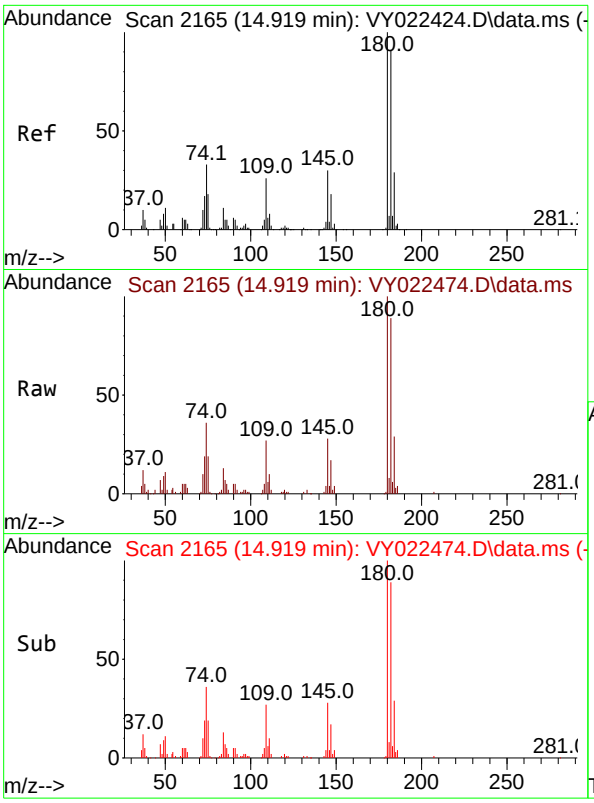


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.001 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion: 75 Resp: 4842

Ion	Ratio	Lower	Upper
75	100		
155	80.7	42.3	126.8
157	110.7	54.4	163.3





#93
1,2,4-Trichlorobenzene
Concen: 20.180 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion:180 Resp: 4023

Ion	Ratio	Lower	Upper
180	100		
182	93.5	46.2	138.6
145	28.9	14.2	42.8

Instrument :
MSVOA_Y
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VY0530SBS01

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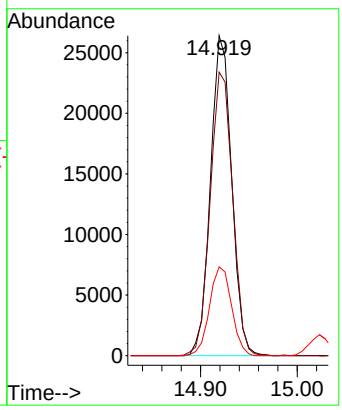
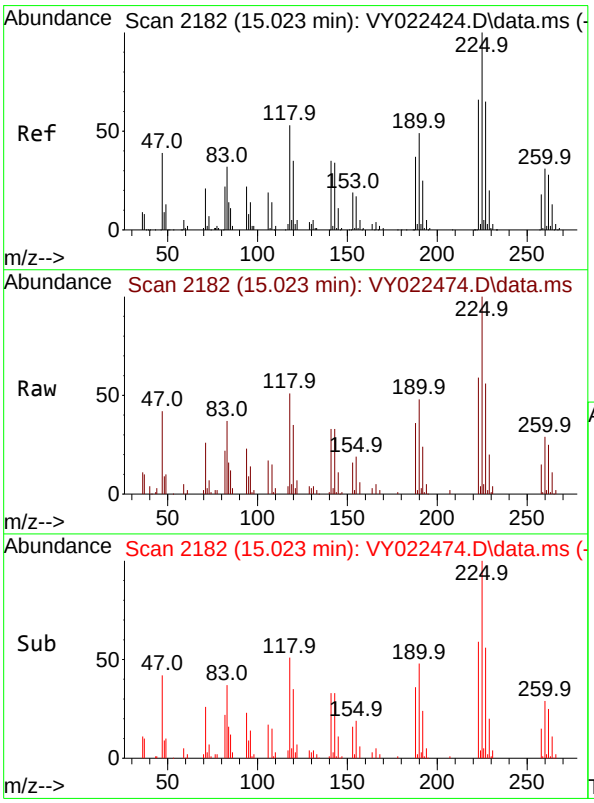
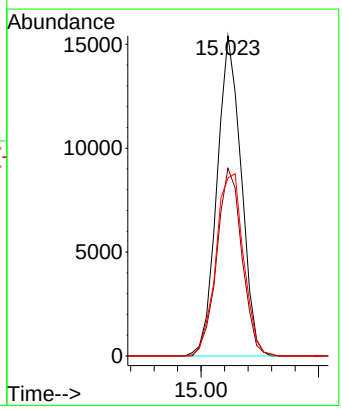


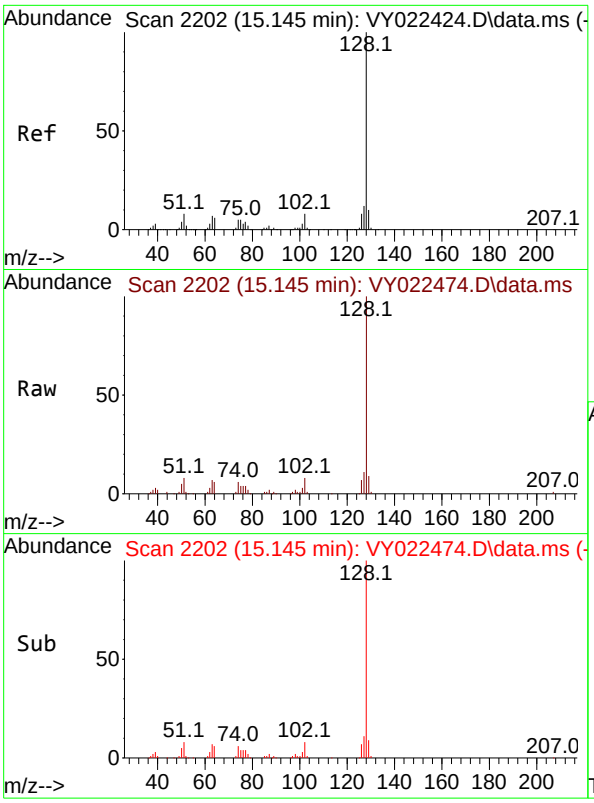


#94
Hexachlorobutadiene
Concen: 21.052 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion:225 Resp: 22027

Ion	Ratio	Lower	Upper
225	100		
223	61.0	32.6	97.7
227	65.1	33.0	99.0

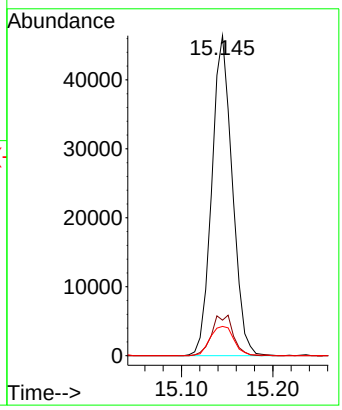




#95
Naphthalene
Concen: 19.568 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion:128 Resp: 7212

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.4
129	10.8	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBS01

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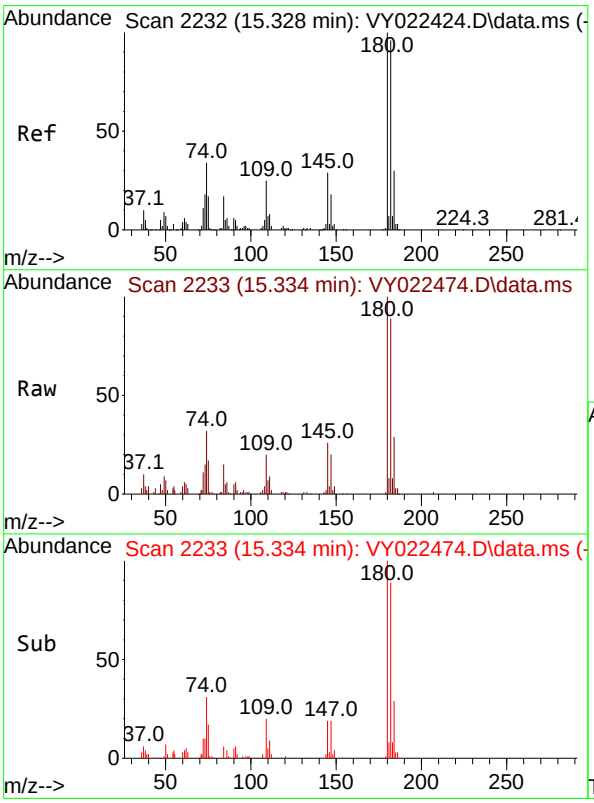
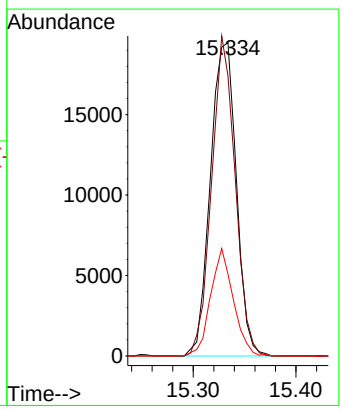
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.842 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.006 min
Lab File: VY022474.D
Acq: 30 May 2025 13:14

Tgt Ion:180 Resp: 34078

Ion	Ratio	Lower	Upper
180	100		
182	92.7	48.1	144.3
145	30.1	14.9	44.5



Raw Data: **VY022500.D**

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

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	
Project:	NYC DOT Harper Street Yard North	Date Received:	
Client Sample ID:	VY0602SBS01	SDG No.:	Q2161
Lab Sample ID:	VY0602SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022500.D	1		06/02/25 16:24	VY060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	22.1		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.1		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.5		0.79	5.00	ug/Kg
74-83-9	Bromomethane	21.8		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.8		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	22.2		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.8		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.5		1.00	5.00	ug/Kg
67-64-1	Acetone	87.0		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.3		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.5		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	21.6		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	19.1		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.9		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.6		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.2		0.79	5.00	ug/Kg
78-93-3	2-Butanone	96.6		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.0		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.8		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.1		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.0		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.3		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.5		0.91	5.00	ug/Kg
71-43-2	Benzene	20.6		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.6		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.5		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.8		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.0		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	98.7		3.60	25.0	ug/Kg
108-88-3	Toluene	20.0		0.78	5.00	ug/Kg

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Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	
Project:	NYC DOT Harper Street Yard North	Date Received:	
Client Sample ID:	VY0602SBS01	SDG No.:	Q2161
Lab Sample ID:	VY0602SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022500.D	1		06/02/25 16:24	VY060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.8		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.4		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.2		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	96.4		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.9		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.7		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.8		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.3		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.8		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.6		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.8		0.82	5.00	ug/Kg
100-42-5	Styrene	19.4		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.6		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.6		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.1		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.2		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.6		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.0		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	21.0		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.7		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	21.0		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.8		63 - 155	102%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	51.9		74 - 123	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		17 - 146	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	202000	7.713			
540-36-3	1,4-Difluorobenzene	343000	8.616			
3114-55-4	Chlorobenzene-d5	291000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	137000	13.347			

Raw Data: **VY022500.D**

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

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	
Project:	NYC DOT Harper Street Yard North	Date Received:	
Client Sample ID:	VY0602SBS01	SDG No.:	Q2161
Lab Sample ID:	VY0602SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022500.D	1		06/02/25 16:24	VY060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **VY022500.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022500.D
Acq On : 02 Jun 2025 16:24
Operator : SY/MD
Sample : VY0602SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 03 04:06:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	201633	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	342745	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	291387	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	136847	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114608	50.821	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.640%			
35) Dibromofluoromethane	7.634	113	105595	51.616	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.240%			
50) Toluene-d8	10.109	98	428859	51.881	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.760%			
62) 4-Bromofluorobenzene	12.408	95	124988	50.748	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	39935	22.122	ug/l	96
3) Chloromethane	2.068	50	101674	19.065	ug/l	96
4) Vinyl Chloride	2.202	62	126839	20.502	ug/l	99
5) Bromomethane	2.592	94	128977	21.751	ug/l	99
6) Chloroethane	2.733	64	88378	20.812	ug/l	94
7) Trichlorofluoromethane	3.050	101	116559	22.193	ug/l	95
8) Diethyl Ether	3.458	74	24924	21.072	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.818	101	45942	20.769	ug/l	99
10) Methyl Iodide	4.007	142	40495	16.916	ug/l	99
11) Tert butyl alcohol	4.872	59	16403	101.837	ug/l #	94
12) 1,1-Dichloroethene	3.787	96	43373	20.513	ug/l	97
13) Acrolein	3.653	56	21372	106.469	ug/l	99
14) Allyl chloride	4.385	41	67622	20.372	ug/l	98
15) Acrylonitrile	5.067	53	51228	102.265	ug/l	100
16) Acetone	3.873	43	39865	87.044	ug/l	100
17) Carbon Disulfide	4.110	76	137329	20.286	ug/l	99
18) Methyl Acetate	4.391	43	29232	21.554	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	122005	20.486	ug/l	96
20) Methylene Chloride	4.616	84	49679	19.096	ug/l	93
21) trans-1,2-Dichloroethene	5.110	96	49459	20.900	ug/l	90
22) Diisopropyl ether	6.019	45	154177	20.867	ug/l	98
23) Vinyl Acetate	5.958	43	438115	100.183	ug/l	96
24) 1,1-Dichloroethane	5.921	63	89731	20.615	ug/l	100
25) 2-Butanone	6.896	43	63810	96.591	ug/l	99
26) 2,2-Dichloropropane	6.884	77	78015	20.285	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	56961	20.824	ug/l	97
28) Bromochloromethane	7.244	49	38081	20.070	ug/l	99
29) Tetrahydrofuran	7.268	42	42953	100.809	ug/l	99
30) Chloroform	7.427	83	90548	21.002	ug/l	92
31) Cyclohexane	7.701	56	87597	20.214	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	81457	21.283	ug/l	99
36) 1,1-Dichloropropene	7.835	75	67552	20.345	ug/l	100
37) Ethyl Acetate	6.988	43	30209	20.402	ug/l	99
38) Carbon Tetrachloride	7.817	117	68070	19.984	ug/l	99
39) Methylcyclohexane	9.109	83	91254	20.451	ug/l	98
40) Benzene	8.079	78	201994	20.597	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022500.D
Acq On : 02 Jun 2025 16:24
Operator : SY/MD
Sample : VY0602SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 03 04:06:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.226	41	15554	17.984 ug/l #	85
42) 1,2-Dichloroethane	8.158	62	55244	20.631 ug/l	100
43) Isopropyl Acetate	8.201	43	63478	19.850 ug/l	99
44) Trichloroethene	8.866	130	49225	20.538 ug/l	98
45) 1,2-Dichloropropane	9.140	63	48255	20.820 ug/l	98
46) Dibromomethane	9.231	93	26738	20.506 ug/l	98
47) Bromodichloromethane	9.426	83	69412	20.994 ug/l	98
48) Methyl methacrylate	9.219	41	29530	19.675 ug/l	98
49) 1,4-Dioxane	9.237	88	5855	379.032 ug/l #	92
51) 4-Methyl-2-Pentanone	10.000	43	157411	98.730 ug/l	98
52) Toluene	10.170	92	123267	20.002 ug/l	99
53) t-1,3-Dichloropropene	10.396	75	61460	19.840 ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	73669	20.429 ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	33530	20.167 ug/l	95
56) Ethyl methacrylate	10.438	69	47531	19.779 ug/l	100
57) 1,3-Dichloropropane	10.719	76	60889	20.662 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	105730	96.908 ug/l	100
59) 2-Hexanone	10.762	43	102819	96.426 ug/l	99
60) Dibromochloromethane	10.914	129	42049	19.901 ug/l	98
61) 1,2-Dibromoethane	11.018	107	31360	20.694 ug/l	99
64) Tetrachloroethene	10.646	164	52041	20.762 ug/l	98
65) Chlorobenzene	11.444	112	130814	20.287 ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.518	131	42902	19.751 ug/l	99
67) Ethyl Benzene	11.518	91	236616	19.784 ug/l	98
68) m/p-Xylenes	11.627	106	179501	39.592 ug/l	99
69) o-Xylene	11.957	106	84353	19.844 ug/l	99
70) Styrene	11.969	104	136180	19.381 ug/l	98
71) Bromoform	12.133	173	22650	19.595 ug/l #	98
73) Isopropylbenzene	12.255	105	220709	19.645 ug/l	98
74) N-amyl acetate	12.072	43	53050	18.714 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	37051	20.093 ug/l	95
76) 1,2,3-Trichloropropane	12.554	75	27956m	17.857 ug/l	
77) Bromobenzene	12.530	156	45984	19.395 ug/l	95
78) n-propylbenzene	12.597	91	271685	19.799 ug/l	99
79) 2-Chlorotoluene	12.682	91	143224	19.693 ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	172628	19.571 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	12535	19.335 ug/l	96
82) 4-Chlorotoluene	12.780	91	147519	19.662 ug/l	100
83) tert-Butylbenzene	12.999	119	159035	20.089 ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	172573	19.562 ug/l	100
85) sec-Butylbenzene	13.176	105	238665	19.684 ug/l	99
86) p-Isopropyltoluene	13.292	119	195572	19.569 ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	92264	19.207 ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	91384	19.614 ug/l	99
89) n-Butylbenzene	13.615	91	187105	19.733 ug/l	99
90) Hexachloroethane	13.883	117	40235	20.679 ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	81675	20.026 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5636	20.993 ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	46082	20.717 ug/l	98
94) Hexachlorobutadiene	15.023	225	26078	21.241 ug/l	97
95) Naphthalene	15.145	128	86538	20.273 ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	39996	20.981 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022500.D
Acq On : 02 Jun 2025 16:24
Operator : SY/MD
Sample : VY0602SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 03 04:06:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

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

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

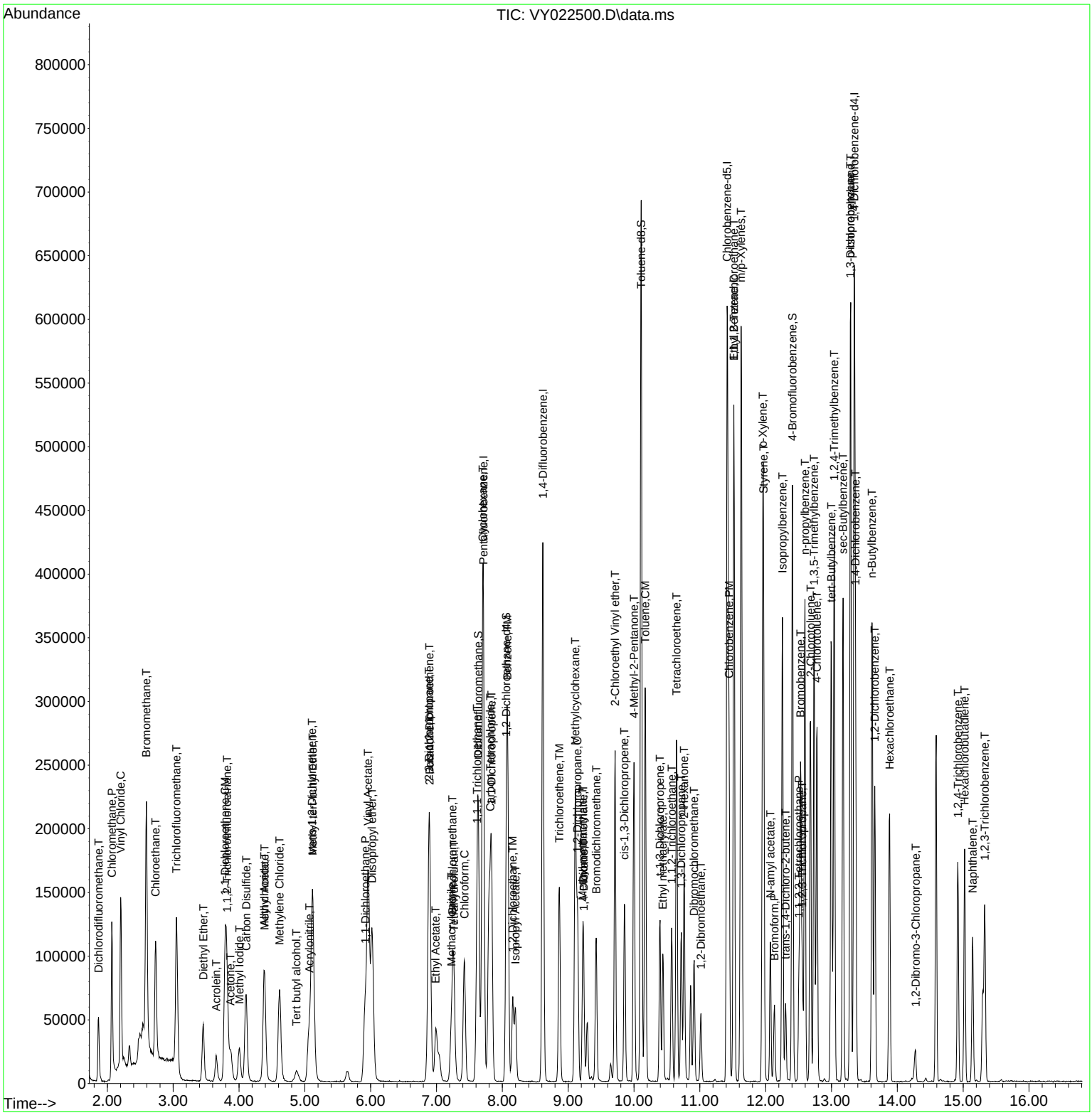
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022500.D
Acq On : 02 Jun 2025 16:24
Operator : SY/MD
Sample : VY0602SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

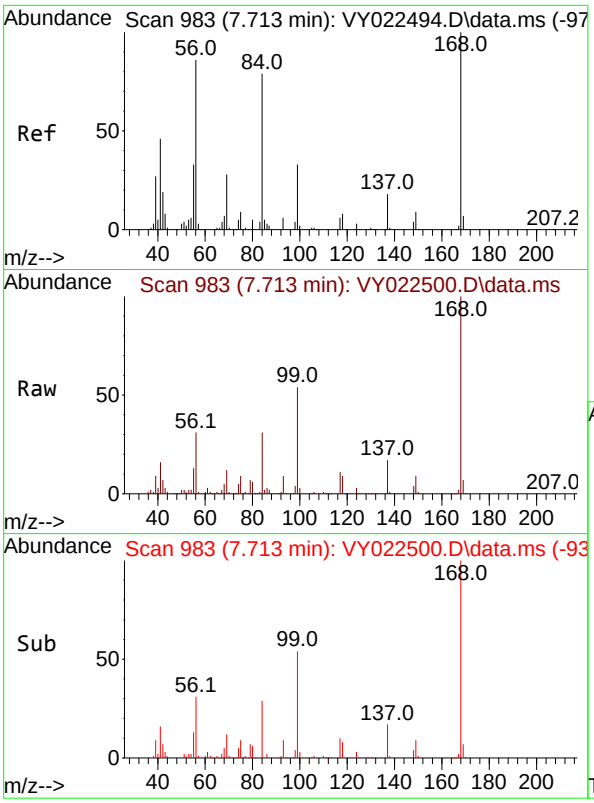
Quant Time: Jun 03 04:06:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

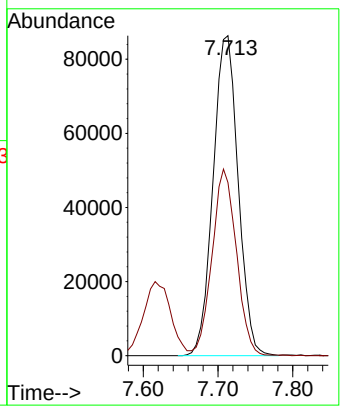




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion:168 Resp: 20163

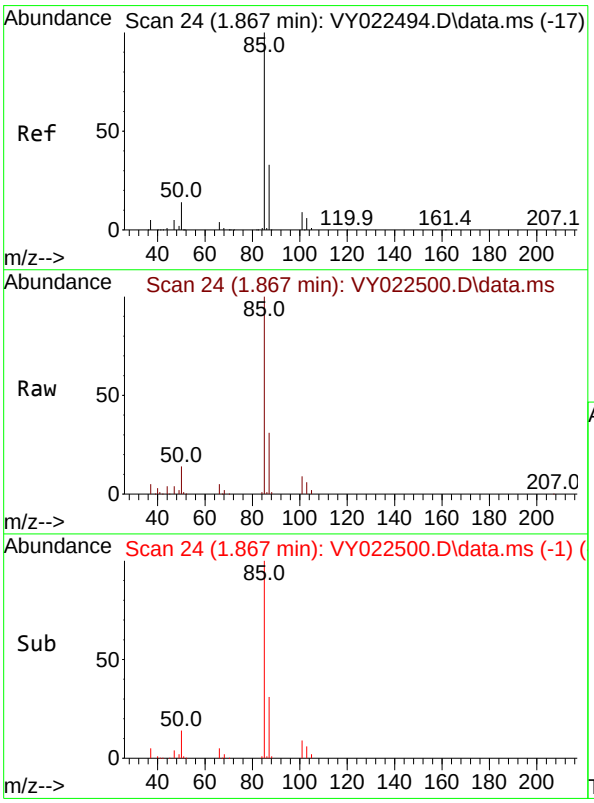
Ion	Ratio	Lower	Upper
168	100		
99	53.9	44.3	66.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

Manual Integrations
APPROVED

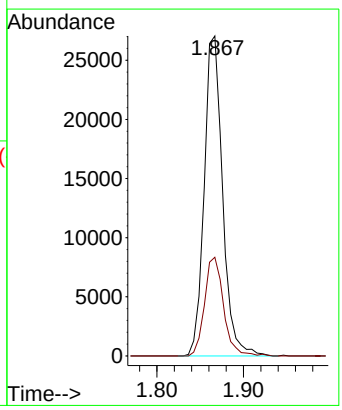
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

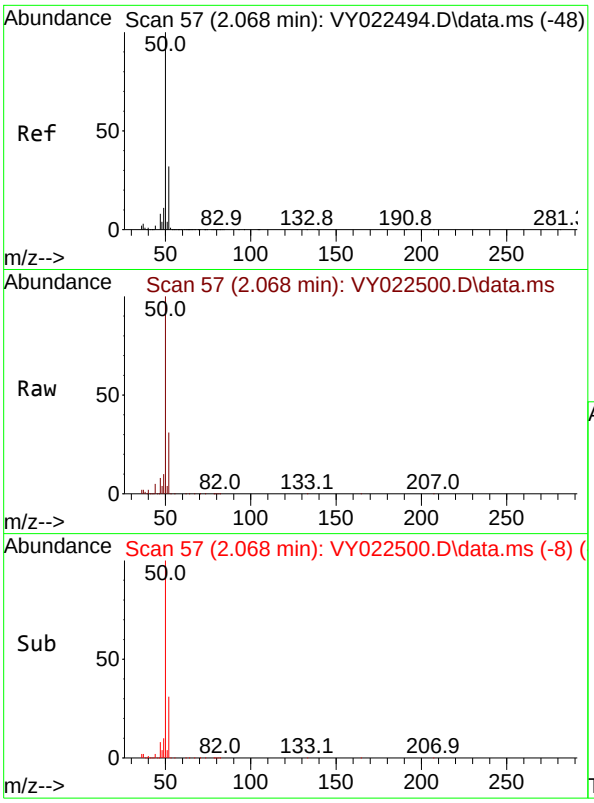


#2
Dichlorodifluoromethane
Concen: 22.122 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 85 Resp: 39935

Ion	Ratio	Lower	Upper
85	100		
87	30.8	16.7	50.0





#3
Chloromethane
Concen: 19.065 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 50 Resp: 10167

Ion	Ratio	Lower	Upper
50	100		
52	30.5	26.0	39.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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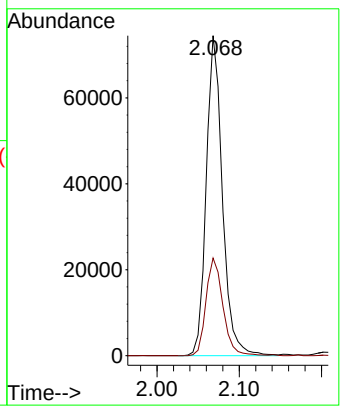
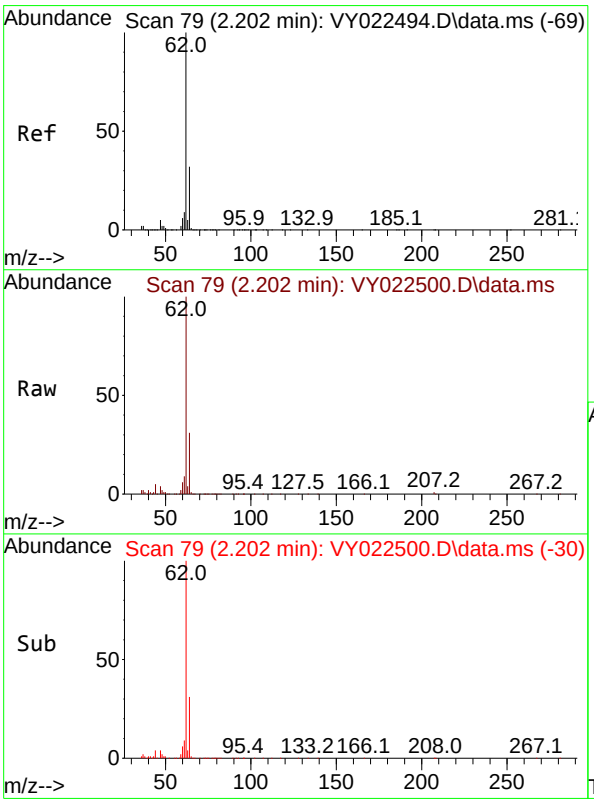
Supervised By :Mahesh Dadoda 06/03/2025

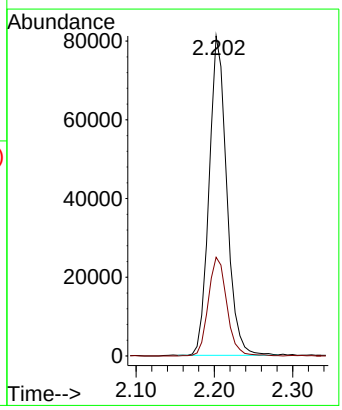


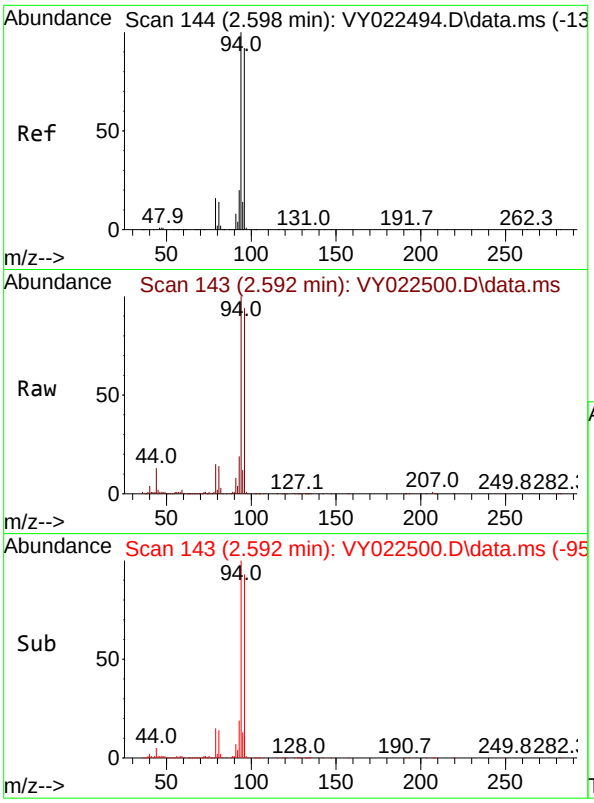


#4
Vinyl Chloride
Concen: 20.502 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 62 Resp: 126839

Ion	Ratio	Lower	Upper
62	100		
64	30.9	25.3	37.9

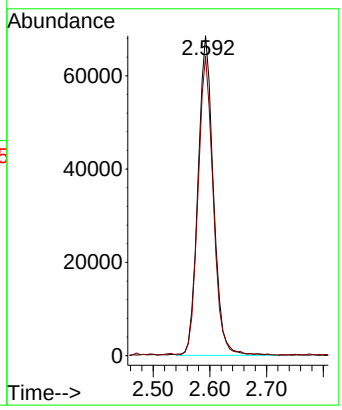




#5
Bromomethane
Concen: 21.751 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 94 Resp: 12897

Ion	Ratio	Lower	Upper
94	100		
96	93.4	74.0	111.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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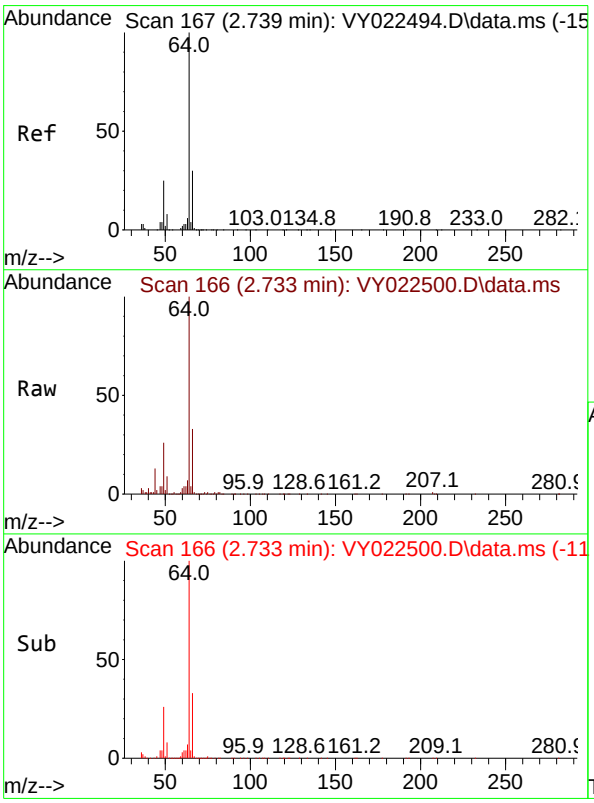
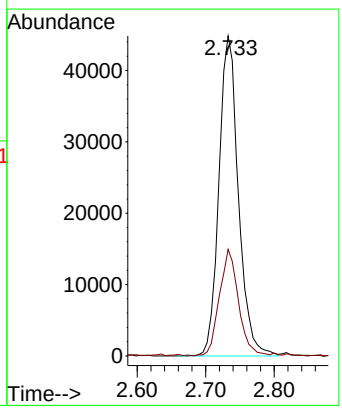
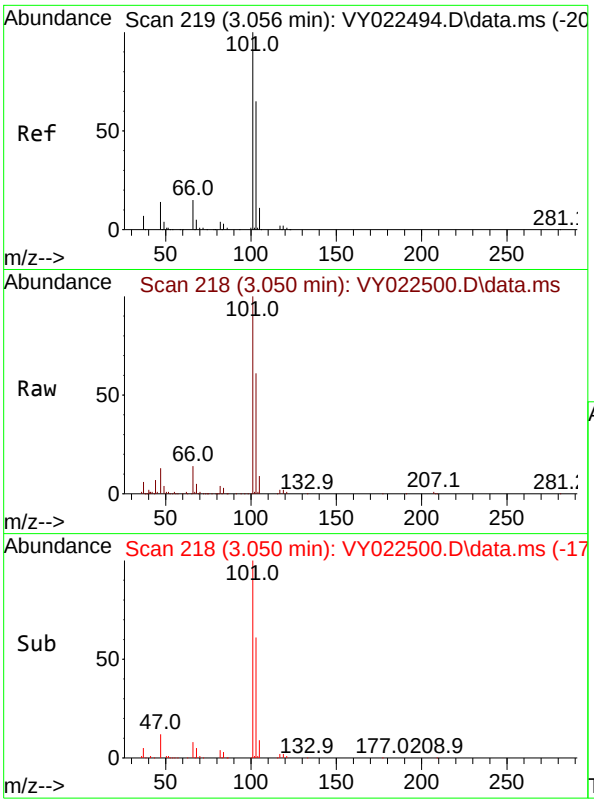


#6
Chloroethane
Concen: 20.812 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 64 Resp: 88378

Ion	Ratio	Lower	Upper
64	100		
66	33.0	23.8	35.6

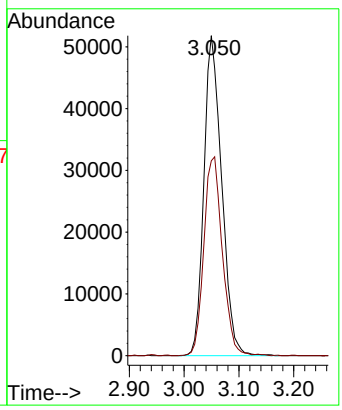




#7
Trichlorofluoromethane
Concen: 22.193 ug/l
RT: 3.050 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion:101 Resp: 11655

Ion	Ratio	Lower	Upper
101	100		
103	60.9	52.2	78.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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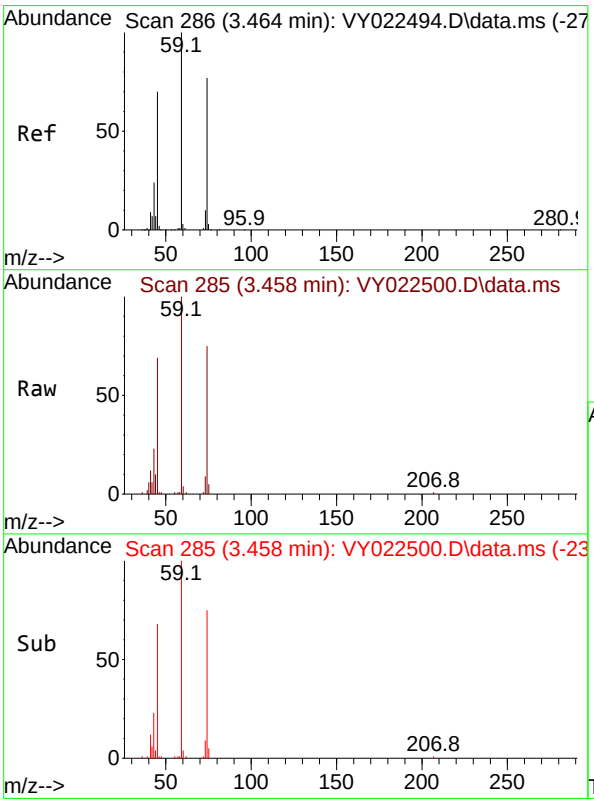
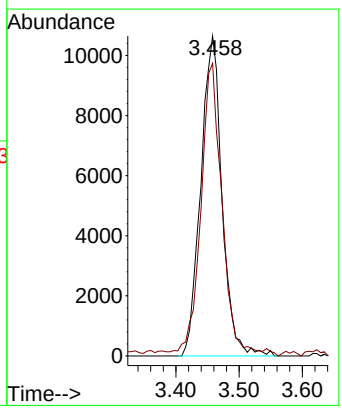
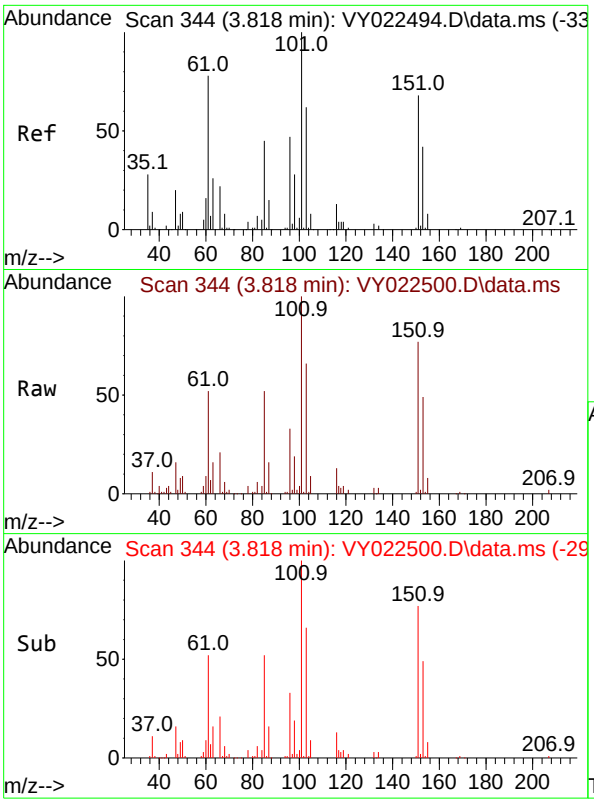


#8
Diethyl Ether
Concen: 21.072 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 74 Resp: 24924

Ion	Ratio	Lower	Upper
74	100		
45	86.3	45.9	137.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.769 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion:101 Resp: 4594

Ion	Ratio	Lower	Upper
101	100		
85	49.6	39.3	58.9
151	71.4	57.8	86.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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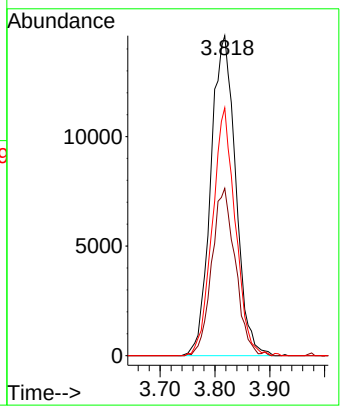
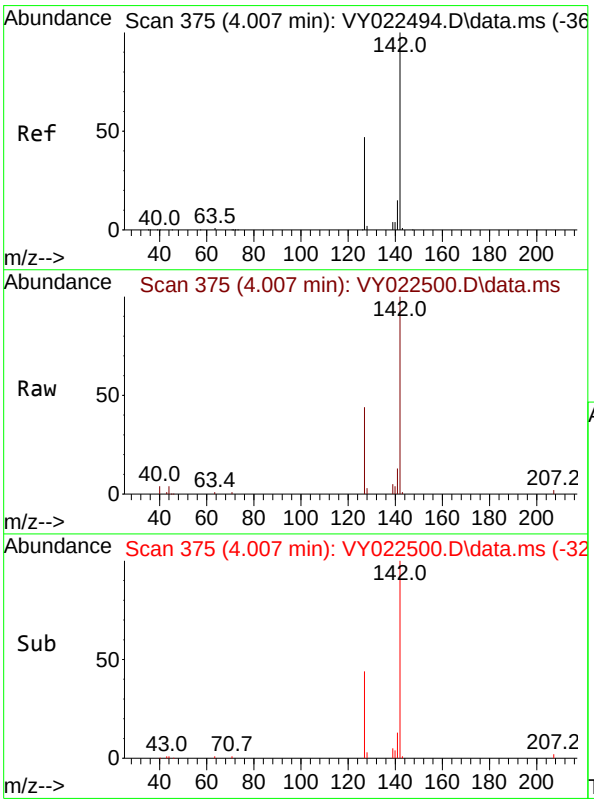
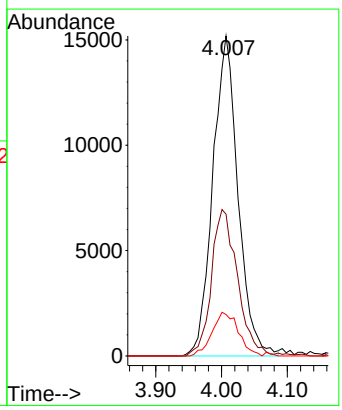


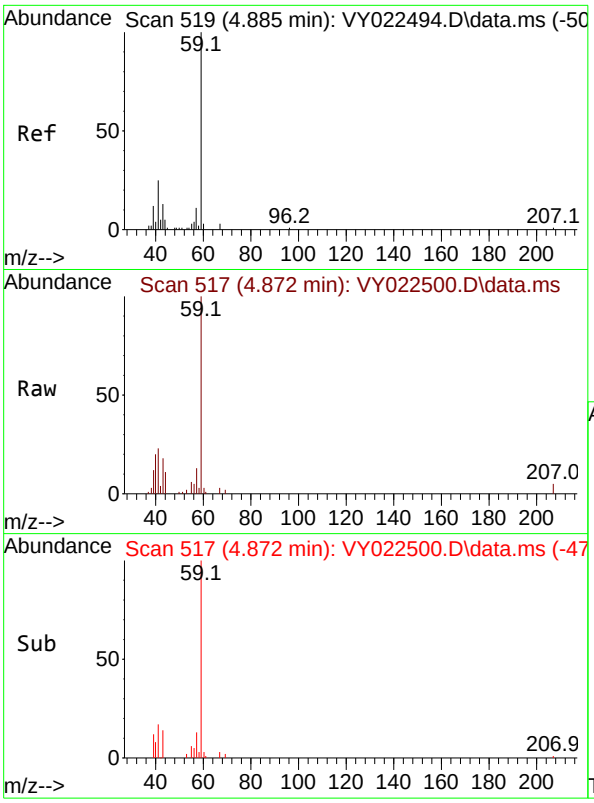


#10
Methyl Iodide
Concen: 16.916 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion:142 Resp: 40495

Ion	Ratio	Lower	Upper
142	100		
127	47.1	37.1	55.7
141	14.2	11.4	17.2

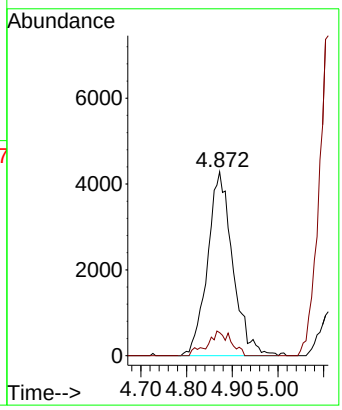




#11
Tert butyl alcohol
Concen: 101.837 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 59 Resp: 1640

Ion	Ratio	Lower	Upper
59	100		
57	12.4	8.0	12.0#



Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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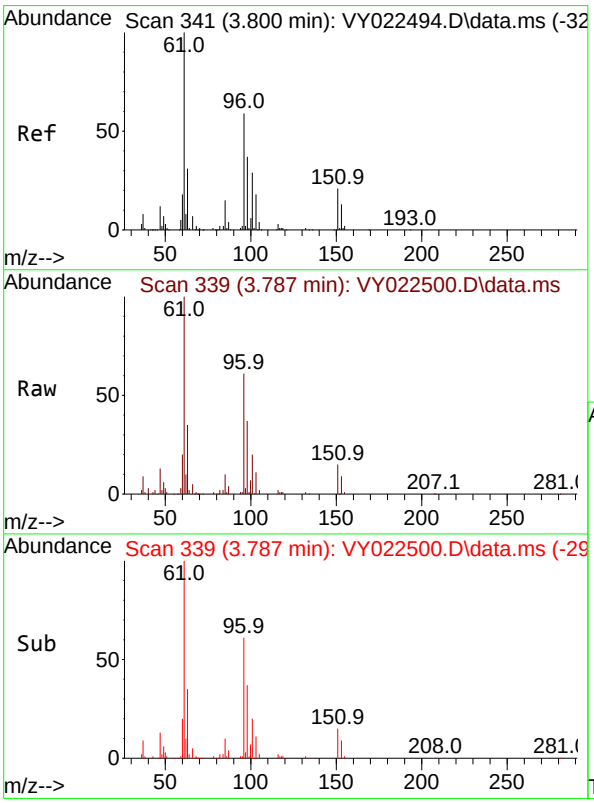
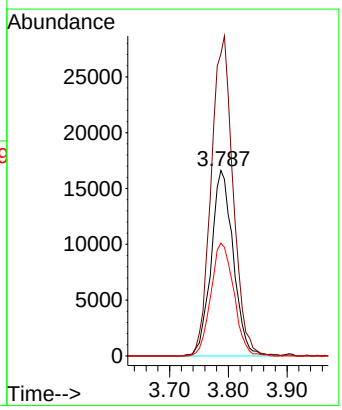
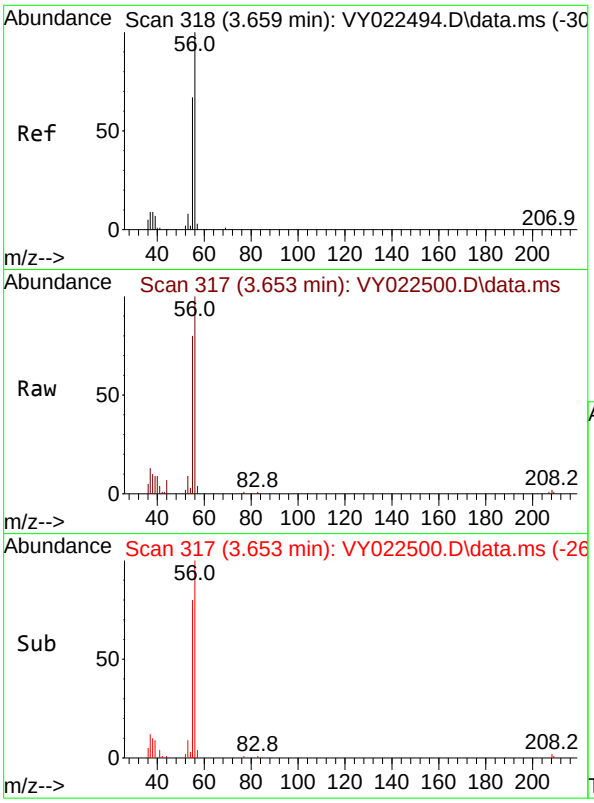


#12
1,1-Dichloroethene
Concen: 20.513 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.012 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 96 Resp: 43373

Ion	Ratio	Lower	Upper
96	100		
61	163.0	134.6	201.8
98	60.8	50.2	75.4





#13
Acrolein
Concen: 106.469 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 56 Resp: 2137

Ion	Ratio	Lower	Upper
56	100		
55	72.5	57.0	85.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

Manual Integrations
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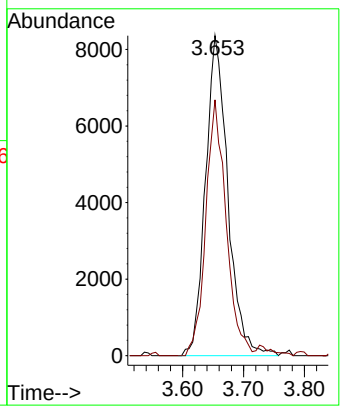
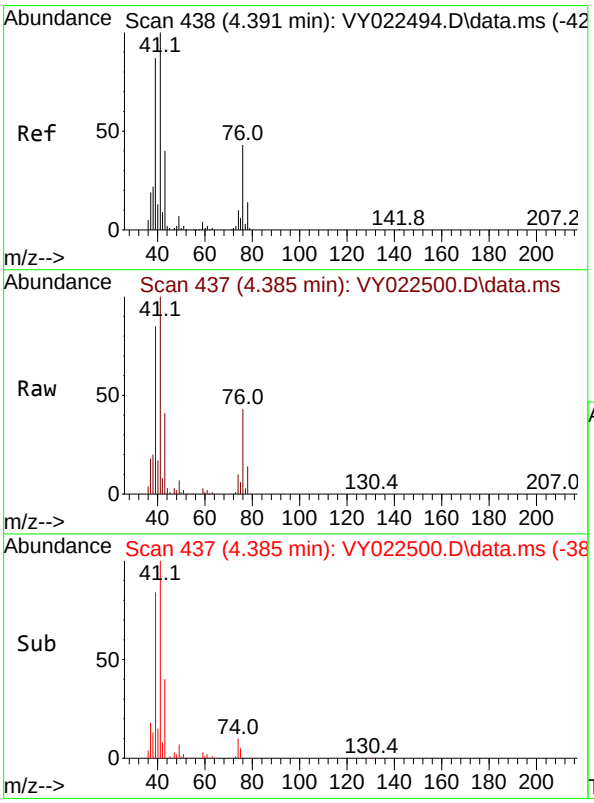
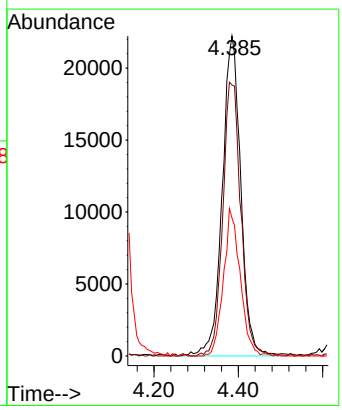


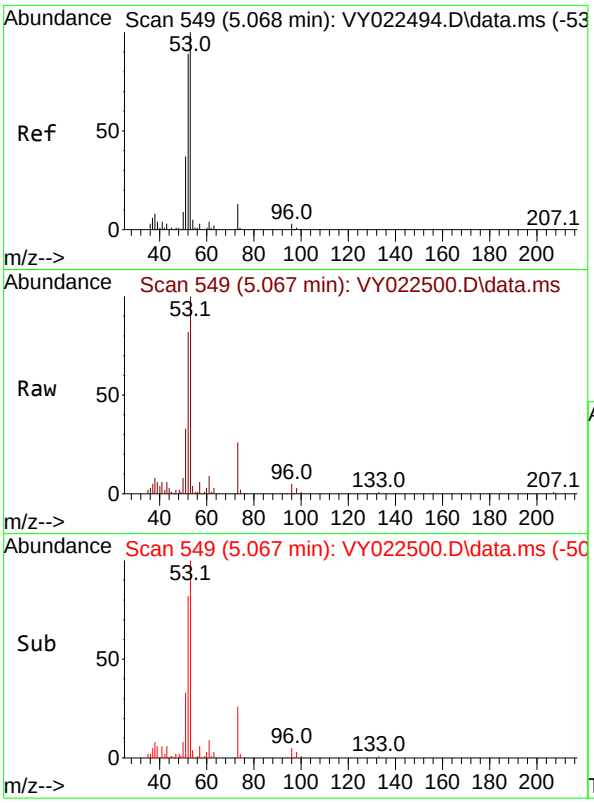


#14
Allyl chloride
Concen: 20.372 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 41 Resp: 67622

Ion	Ratio	Lower	Upper
41	100		
39	83.6	69.1	103.7
76	41.7	33.5	50.3





#15
Acrylonitrile
Concen: 102.265 ug/l
RT: 5.067 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 53 Resp: 5122

Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.7	98.5
51	37.0	30.1	45.1

Instrument :
MSVOA_Y
ClientSampleId :
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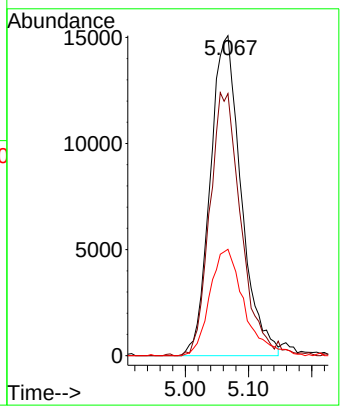
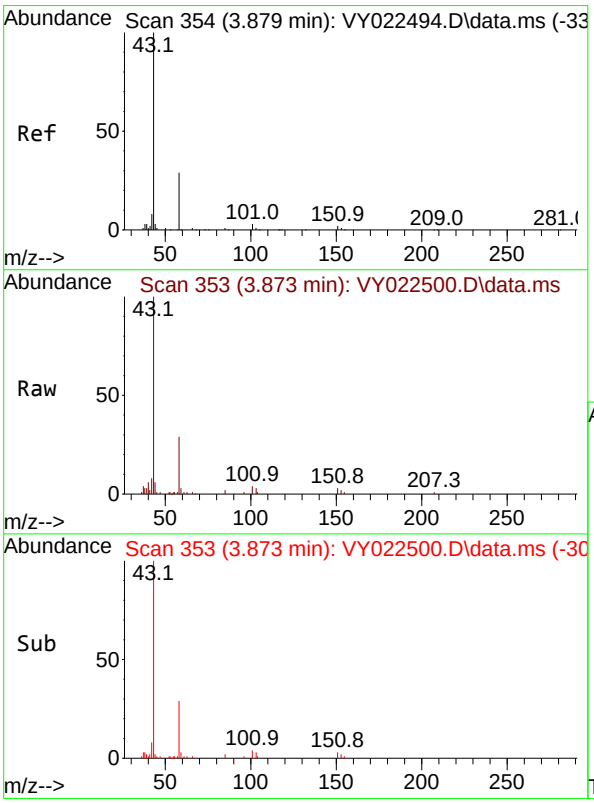
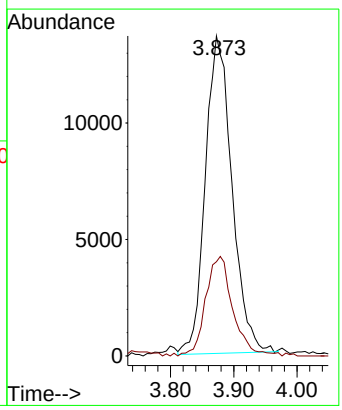


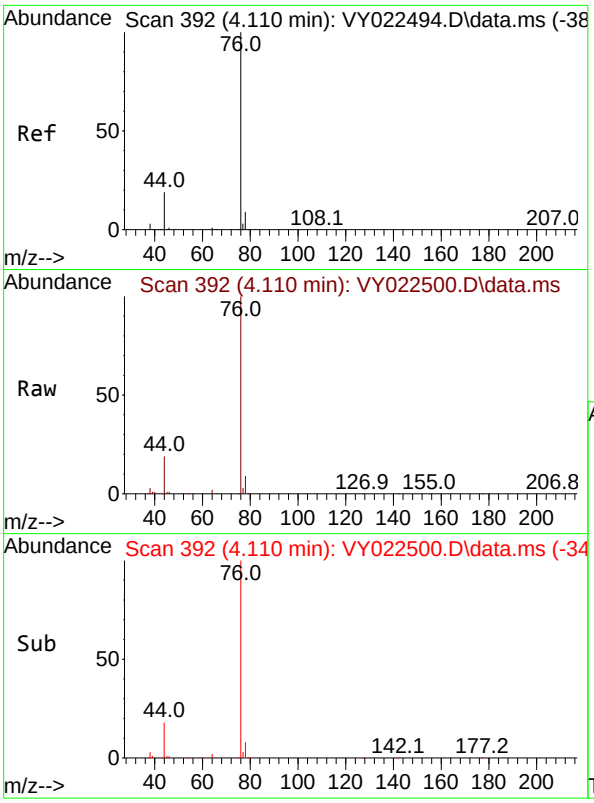


#16
Acetone
Concen: 87.044 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 43 Resp: 39865

Ion	Ratio	Lower	Upper
43	100		
58	29.9	24.0	36.0





#17
Carbon Disulfide
Concen: 20.286 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 76 Resp: 13732

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.2

Instrument :
MSVOA_Y
ClientSampleId :
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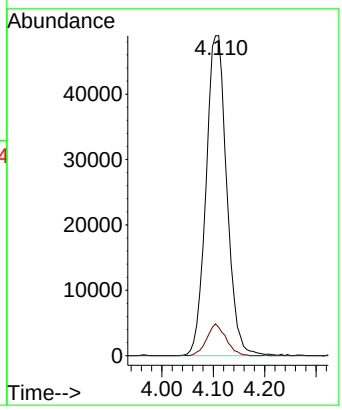
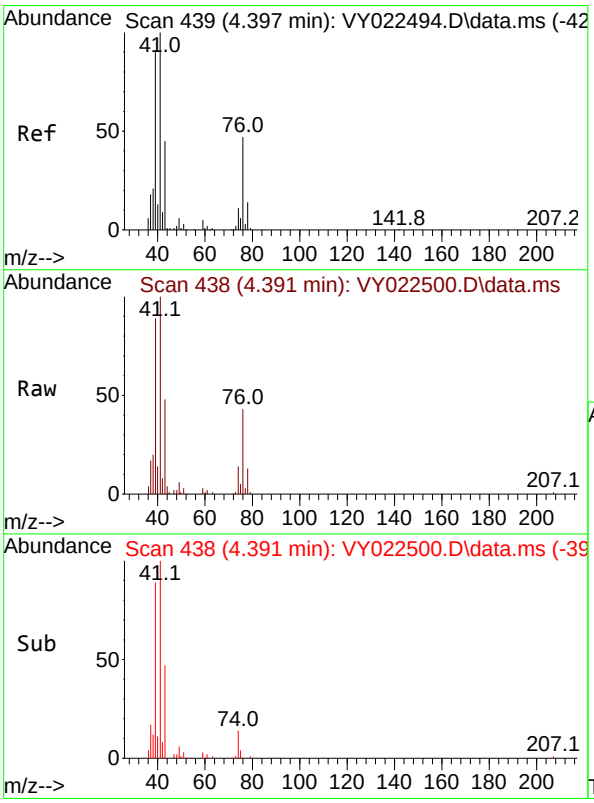
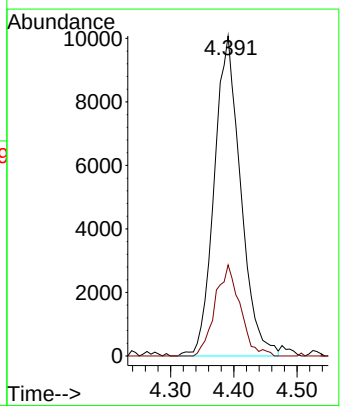


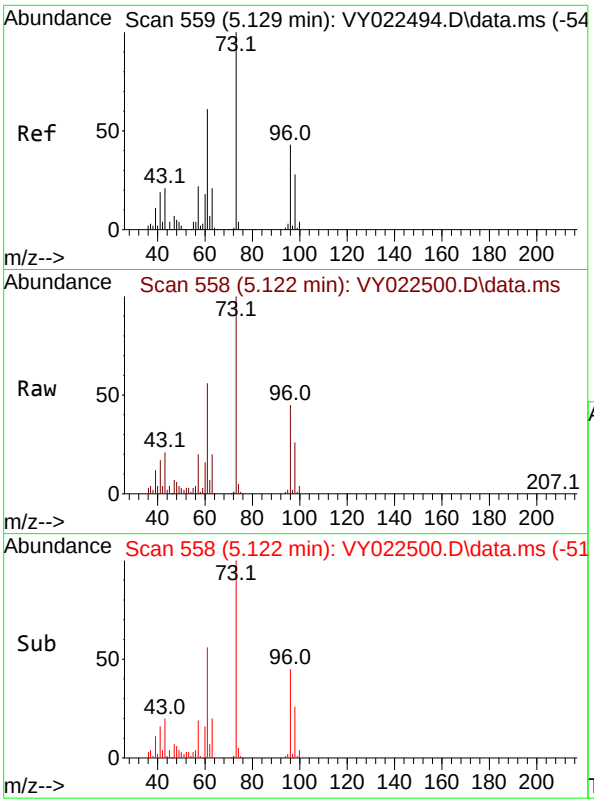


#18
Methyl Acetate
Concen: 21.554 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 43 Resp: 29232

Ion	Ratio	Lower	Upper
43	100		
74	26.9	19.8	29.6





#19
Methyl tert-butyl Ether
Concen: 20.486 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 73 Resp: 12200

Ion	Ratio	Lower	Upper
73	100		
57	20.0	17.4	26.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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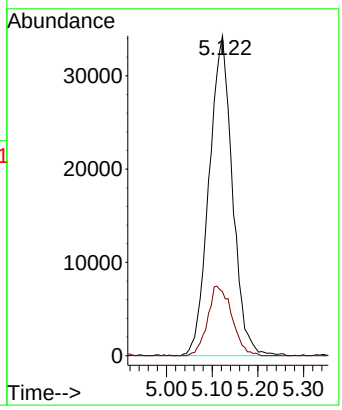
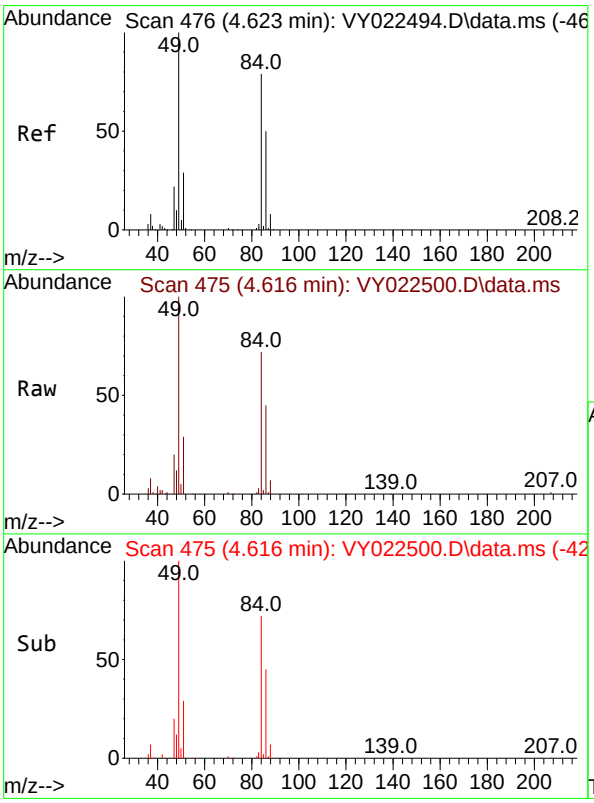
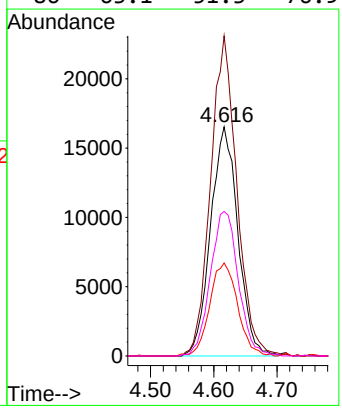


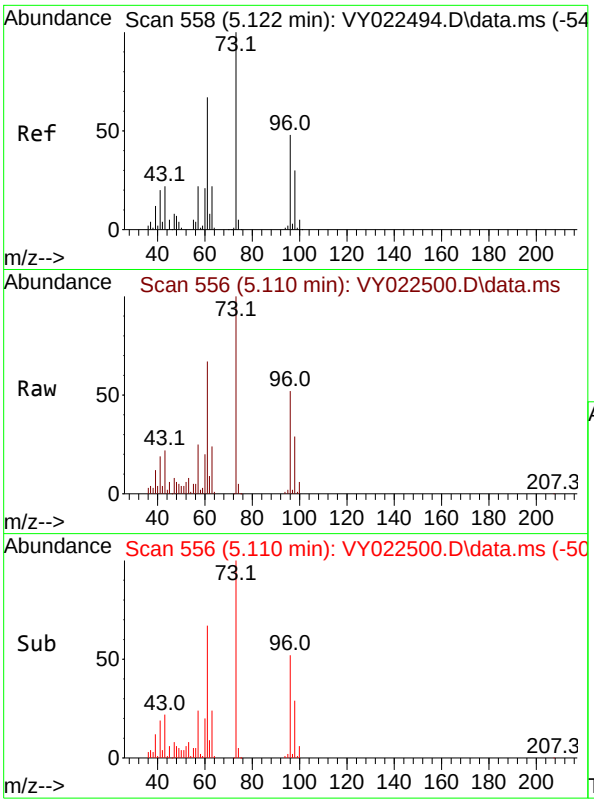


#20
Methylene Chloride
Concen: 19.096 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 84 Resp: 49679

Ion	Ratio	Lower	Upper
84	100		
49	139.7	101.9	152.9
51	40.6	29.8	44.8
86	63.1	51.3	76.9

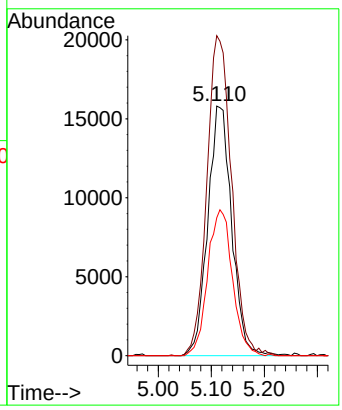




#21
trans-1,2-Dichloroethene
Concen: 20.900 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 96 Resp: 4945

Ion	Ratio	Lower	Upper
96	100		
61	128.2	112.6	169.0
98	55.2	50.6	75.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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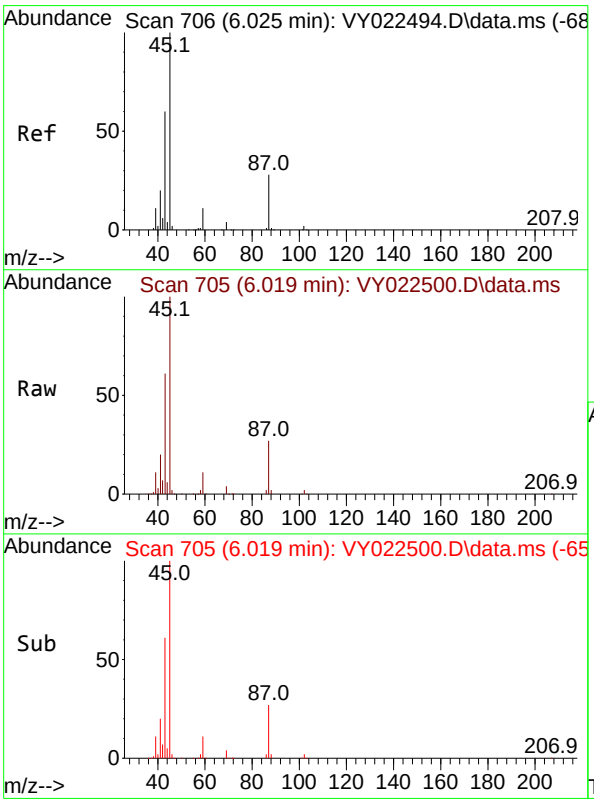
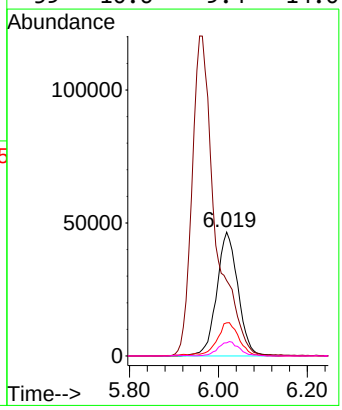
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

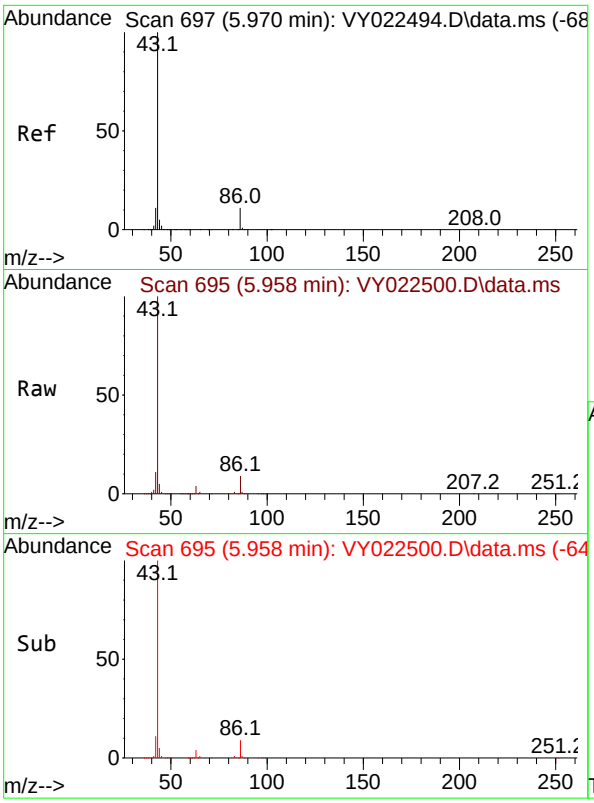


#22
Diisopropyl ether
Concen: 20.867 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 45 Resp: 154177

Ion	Ratio	Lower	Upper
45	100		
43	60.0	48.3	72.5
87	26.7	23.0	34.6
59	10.6	9.4	14.0





#23
Vinyl Acetate
Concen: 100.183 ug/l
RT: 5.958 min Scan# 6
Delta R.T. -0.012 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 43 Resp: 43811

Ion	Ratio	Lower	Upper
43	100		
86	9.3	8.6	12.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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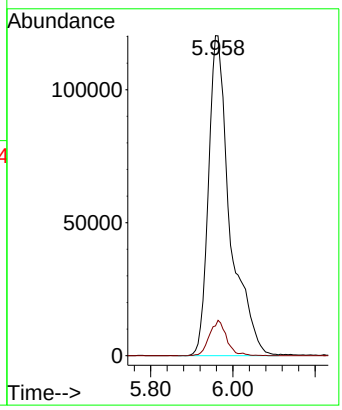
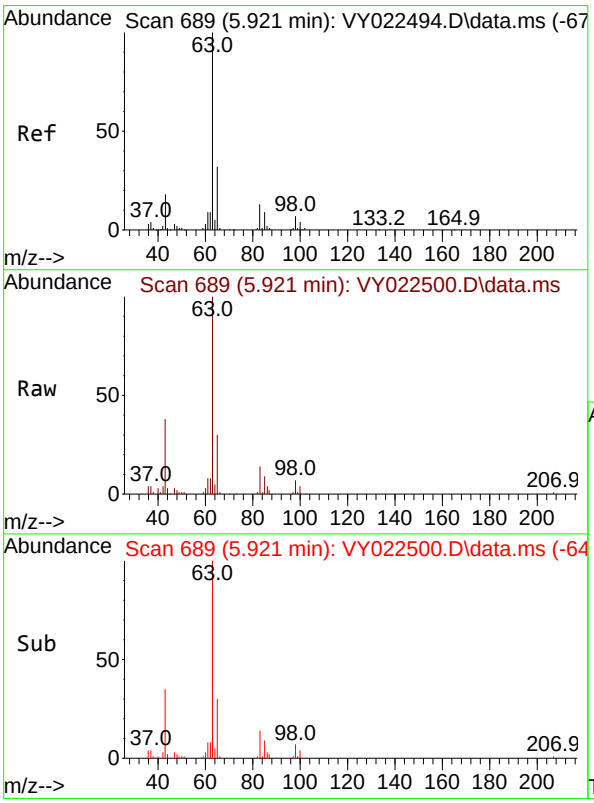
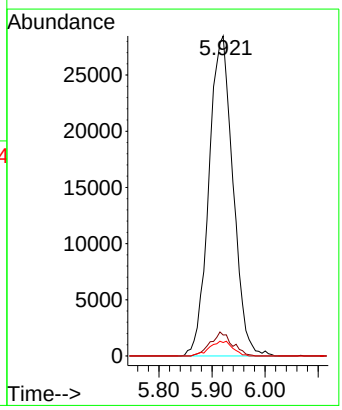


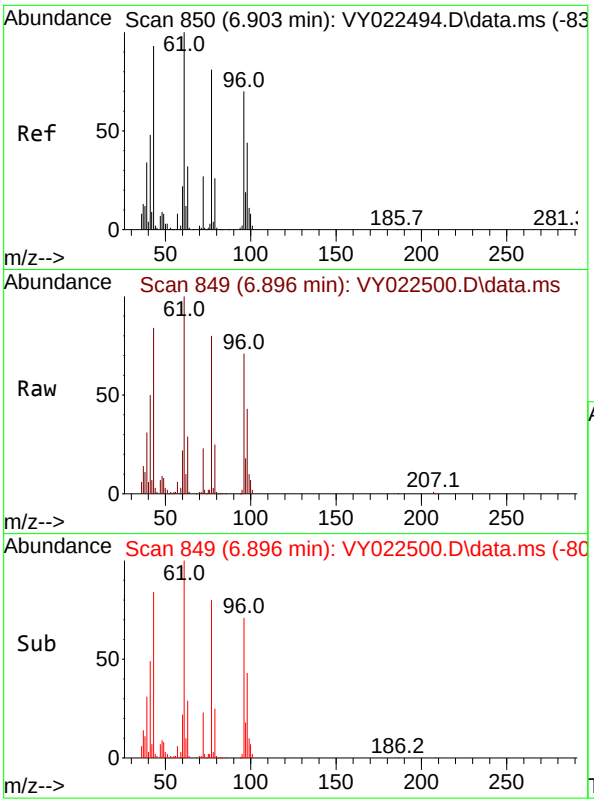


#24
1,1-Dichloroethane
Concen: 20.615 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 63 Resp: 89731

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.4	10.1
100	4.2	2.1	6.3





#25
2-Butanone
Concen: 96.591 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 43 Resp: 6381

Ion	Ratio	Lower	Upper
43	100		
72	27.9	22.9	34.3

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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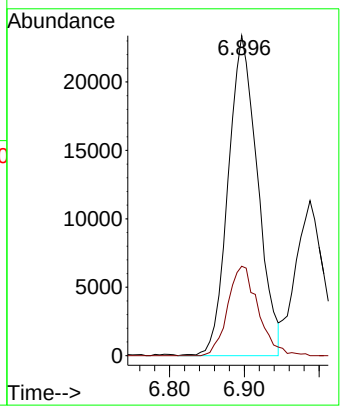
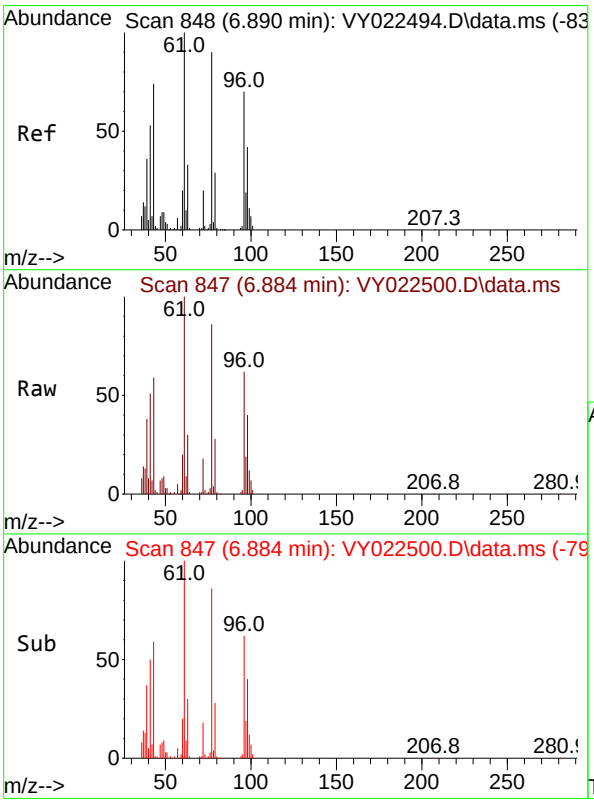
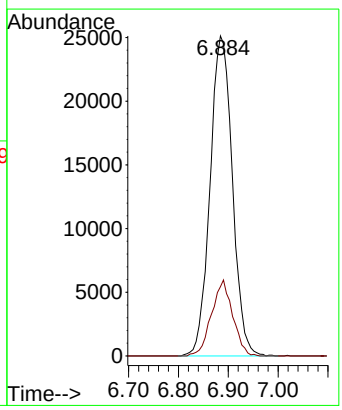


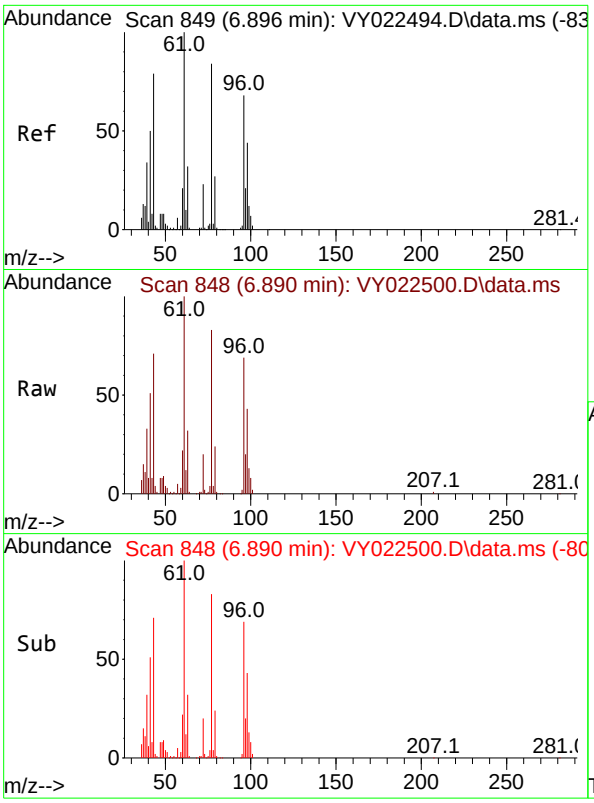


#26
2,2-Dichloropropane
Concen: 20.285 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 77 Resp: 78015

Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.4	34.2





#27
cis-1,2-Dichloroethene
Concen: 20.824 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 96 Resp: 5696

Ion	Ratio	Lower	Upper
96	100		
61	148.1	0.0	290.0
98	61.7	0.0	128.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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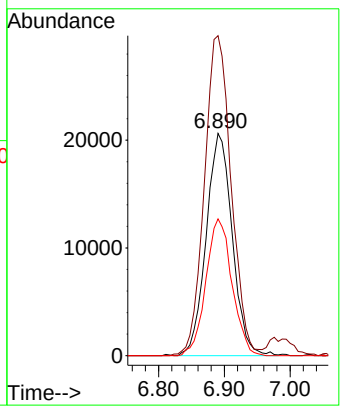
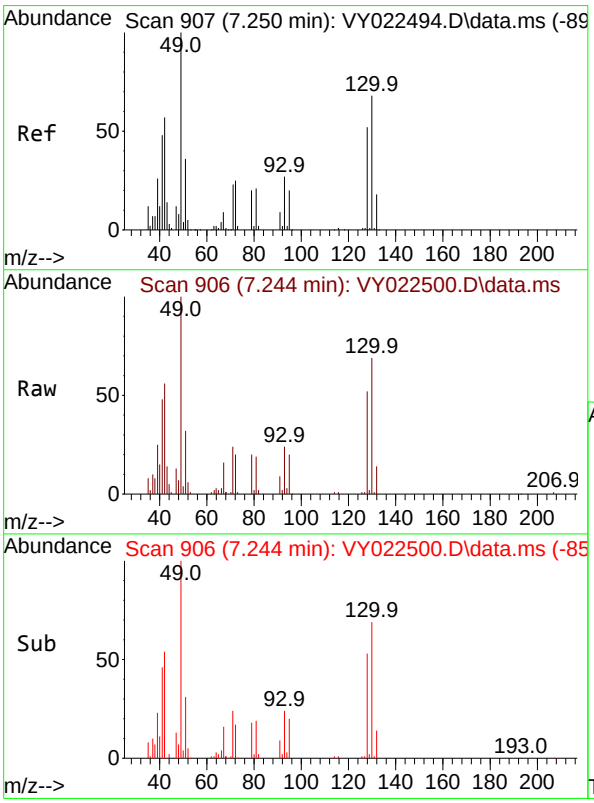
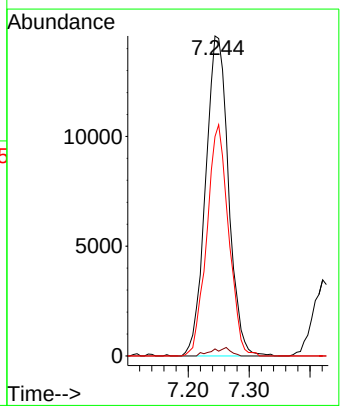


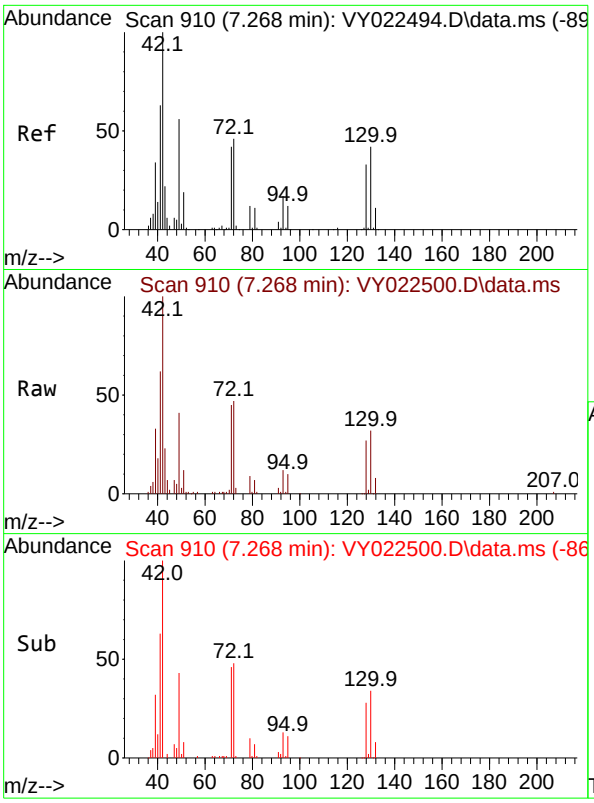


#28
Bromochloromethane
Concen: 20.070 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 49 Resp: 38081

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.6
130	68.8	55.7	83.5





#29
Tetrahydrofuran
Concen: 100.809 ug/l
RT: 7.268 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 42 Resp: 4295

Ion	Ratio	Lower	Upper
42	100		
72	45.4	37.4	56.2
71	42.7	34.2	51.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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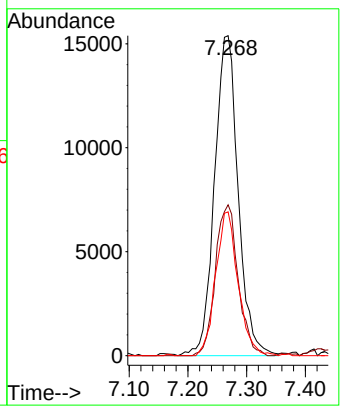
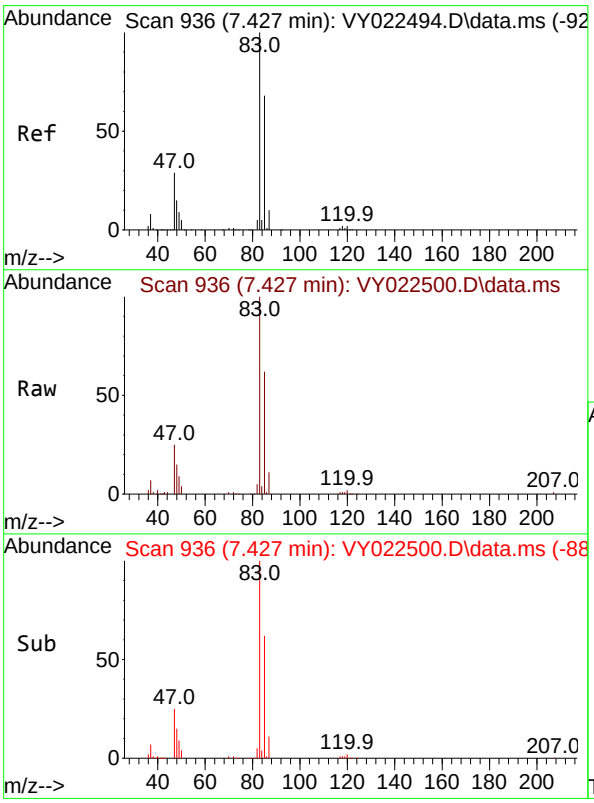
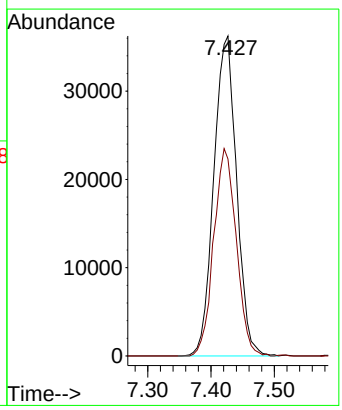


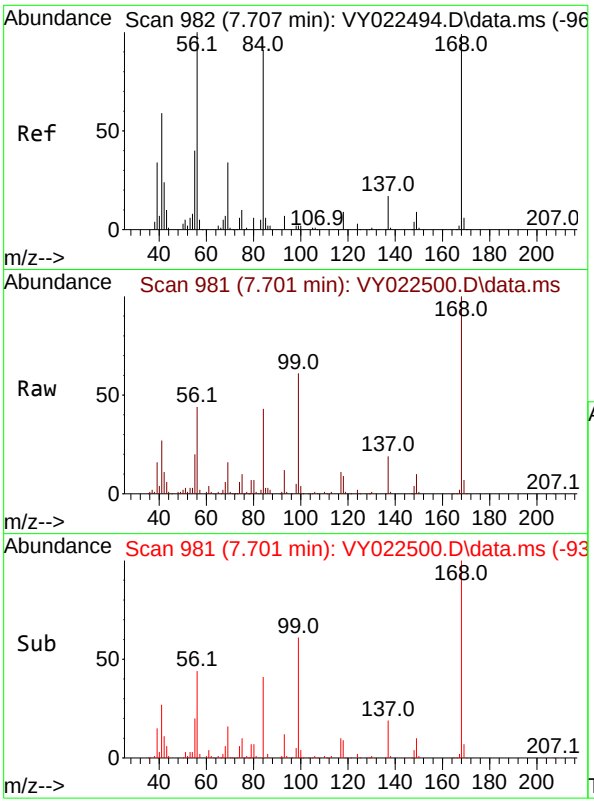


#30
Chloroform
Concen: 21.002 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 83 Resp: 90548

Ion	Ratio	Lower	Upper
83	100		
85	61.6	54.2	81.4





#31
Cyclohexane
Concen: 20.214 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 56 Resp: 8759

Ion	Ratio	Lower	Upper
56	100		
69	36.4	27.0	40.6
84	94.6	72.6	109.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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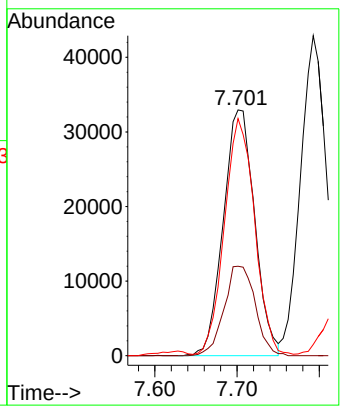
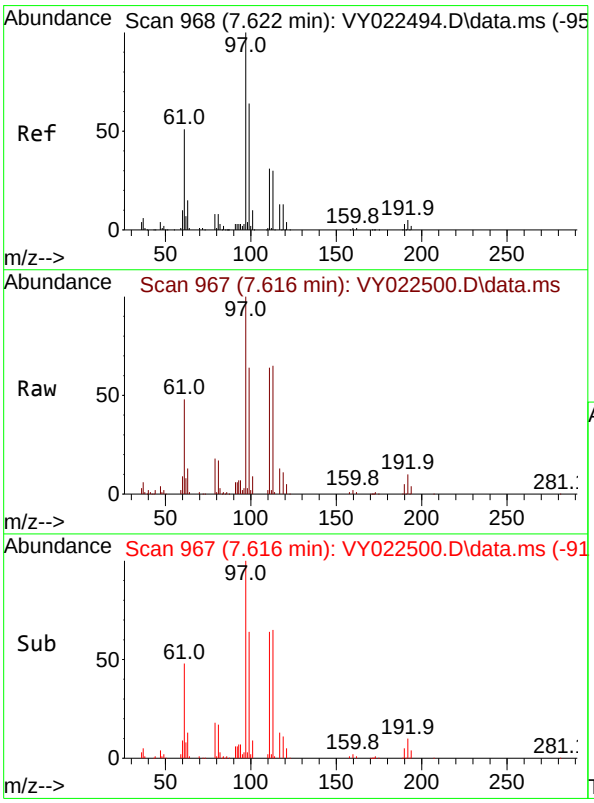
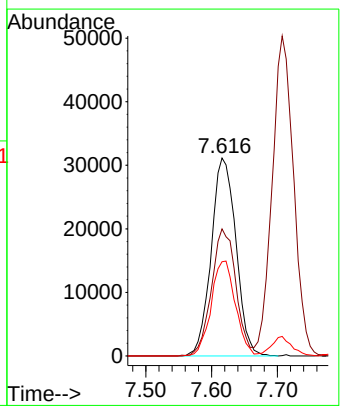


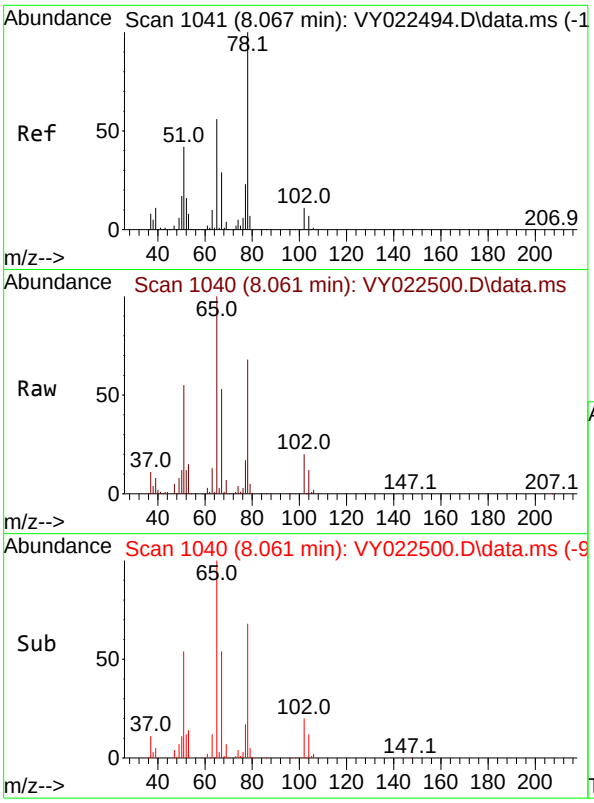


#32
1,1,1-Trichloroethane
Concen: 21.283 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 97 Resp: 81457

Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.9	76.3
61	47.3	38.5	57.7





#33
1,2-Dichloroethane-d4
Concen: 50.821 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 65 Resp: 11460

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	103.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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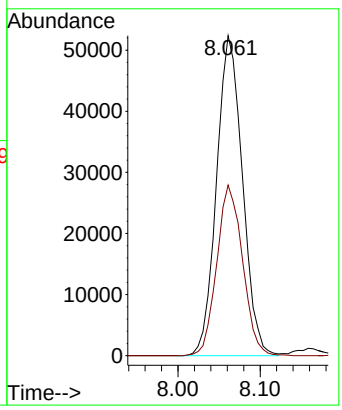
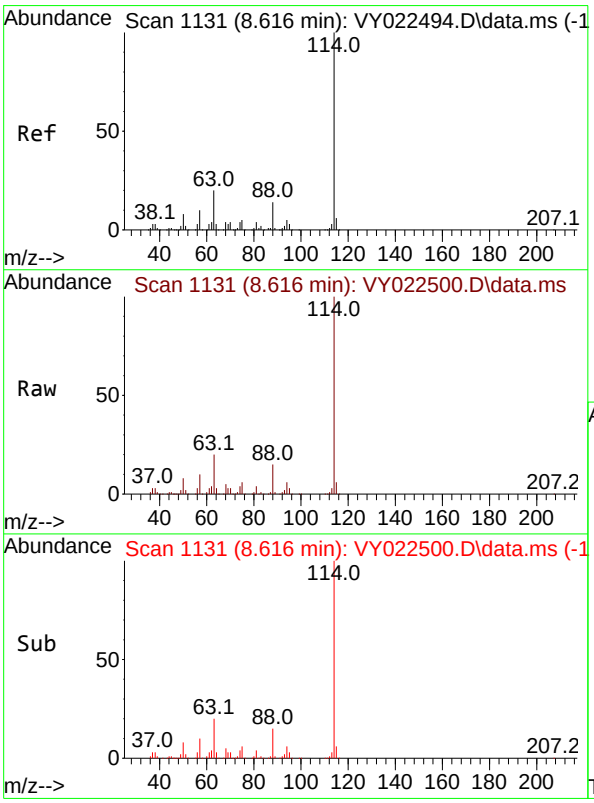
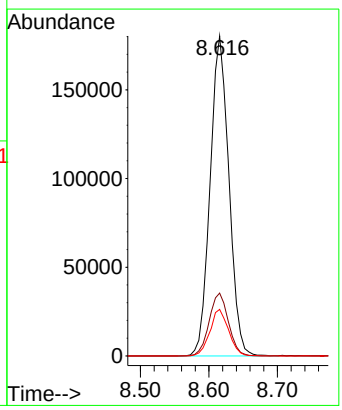


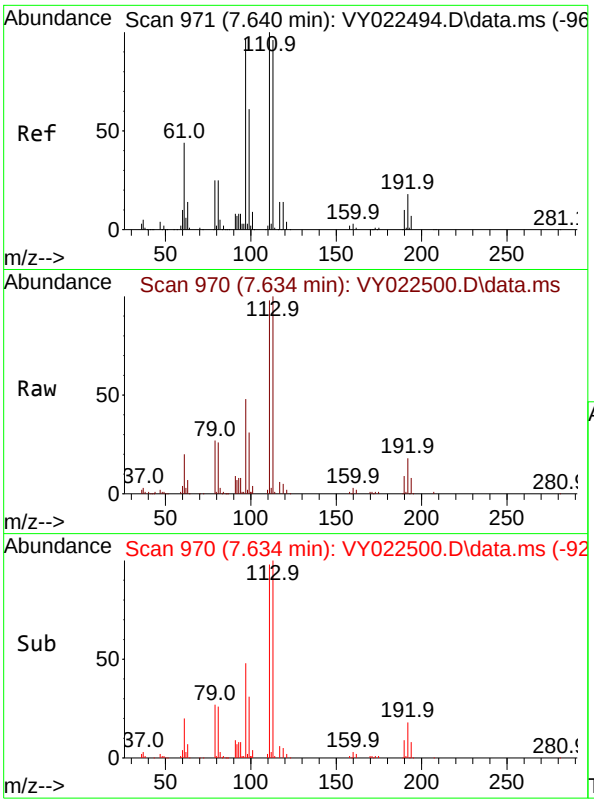


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion:114 Resp: 342745

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	40.8
88	14.5	0.0	27.8

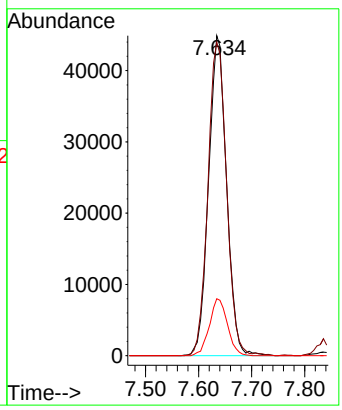




#35
Dibromofluoromethane
Concen: 51.616 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion:113 Resp: 10559

Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.1	121.7
192	17.9	14.2	21.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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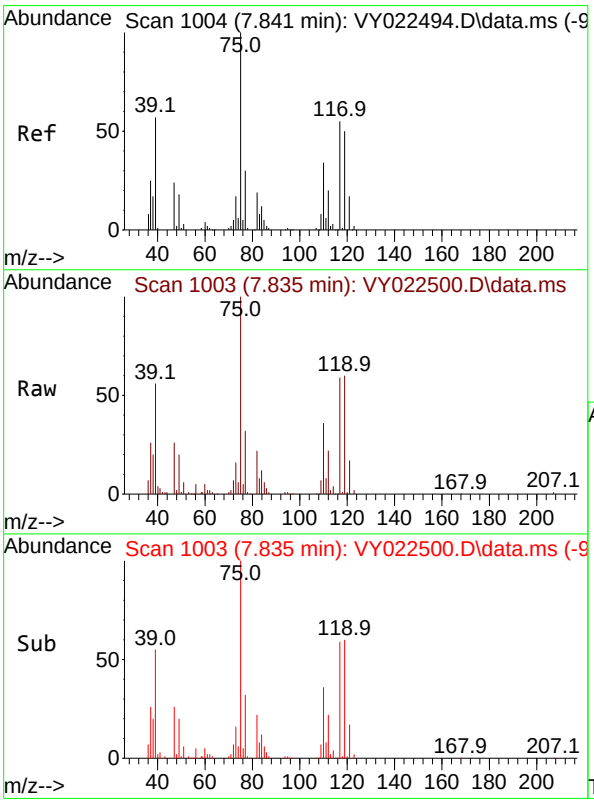
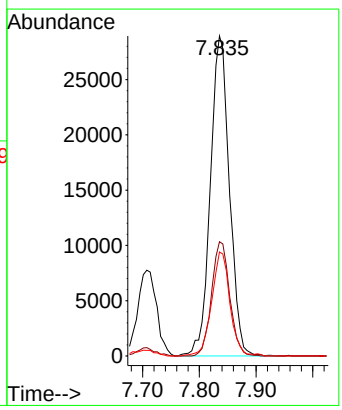
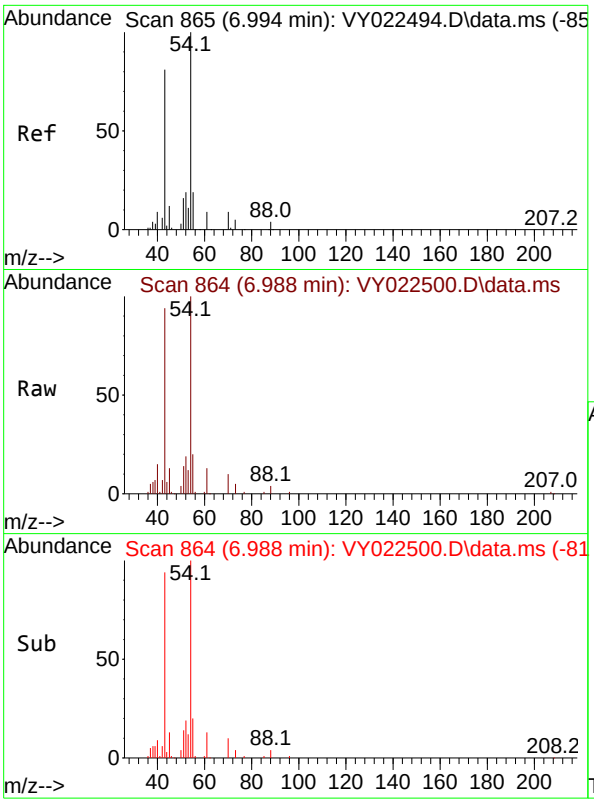


#36
1,1-Dichloropropene
Concen: 20.345 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 75 Resp: 67552

Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.9	50.7
77	31.3	24.8	37.2





#37
Ethyl Acetate
Concen: 20.402 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 43 Resp: 3020

Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.5	17.3
70	9.7	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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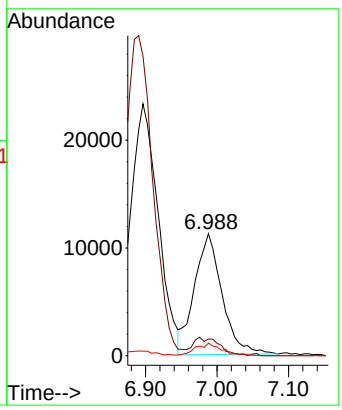
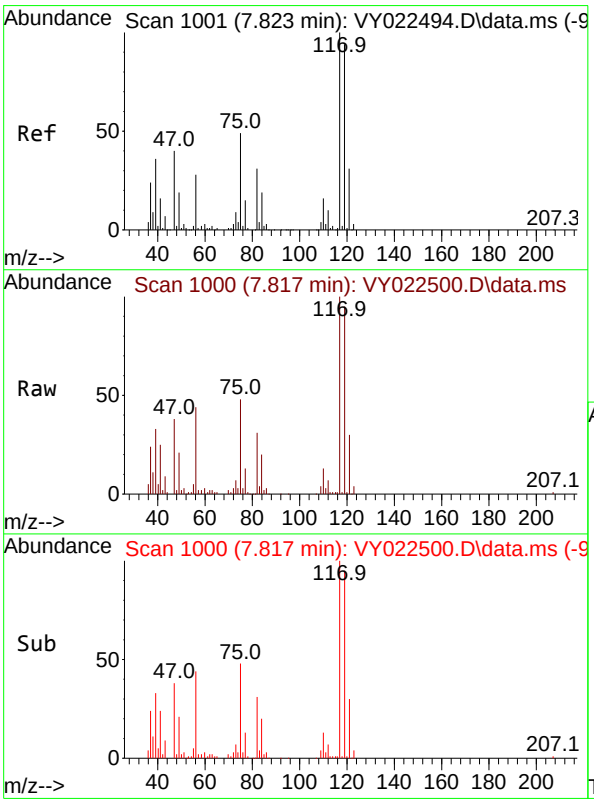
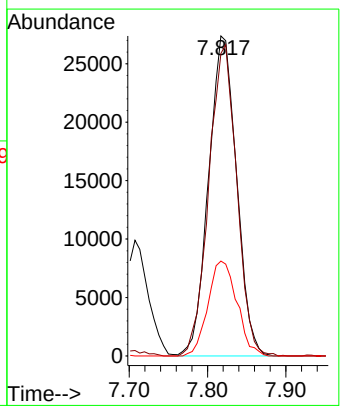


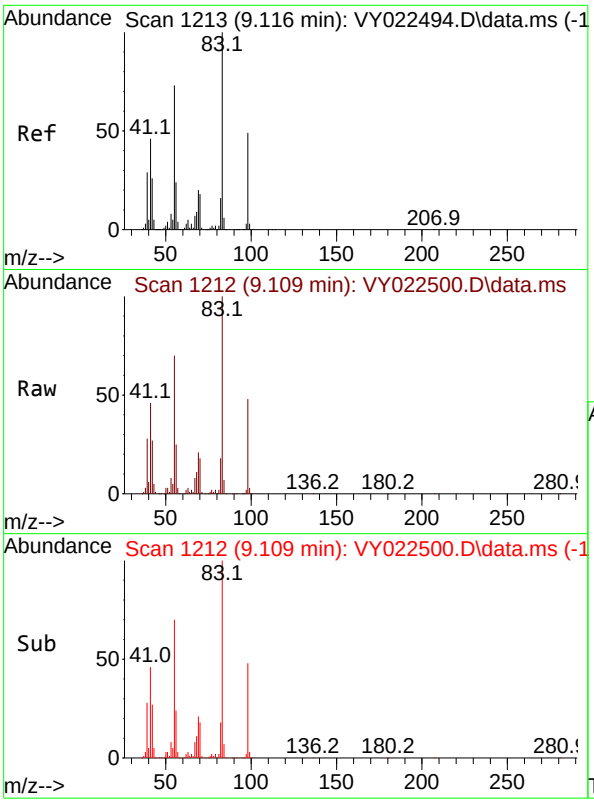


#38
Carbon Tetrachloride
Concen: 19.984 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion:117 Resp: 68070

Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.0	112.6
121	29.6	25.0	37.4





#39
Methylcyclohexane
Concen: 20.451 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 83 Resp: 9125

Ion	Ratio	Lower	Upper
83	100		
55	70.1	58.1	87.1
98	48.1	39.0	58.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

Manual Integrations
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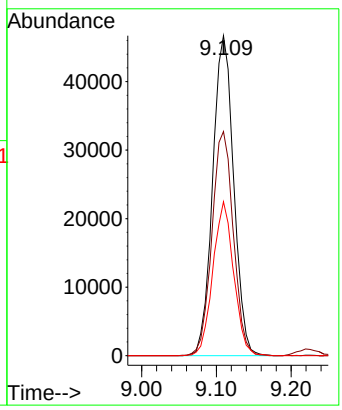
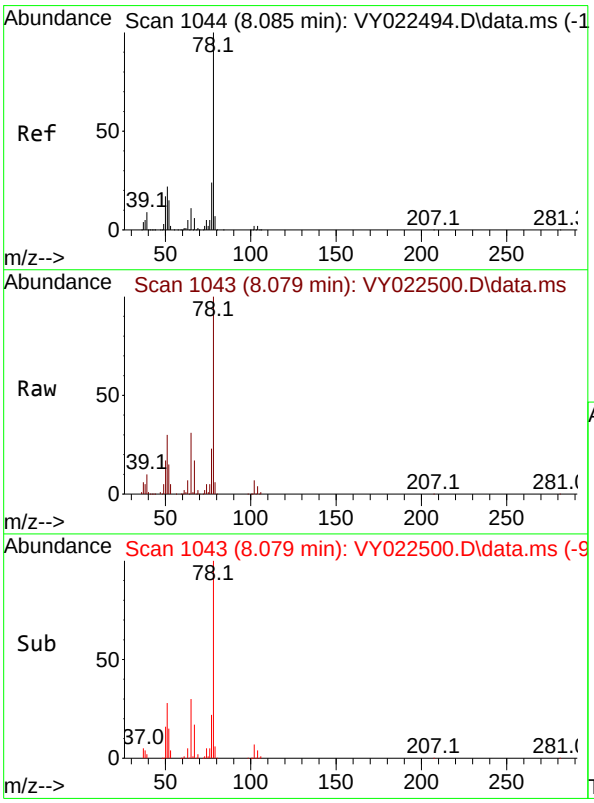
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

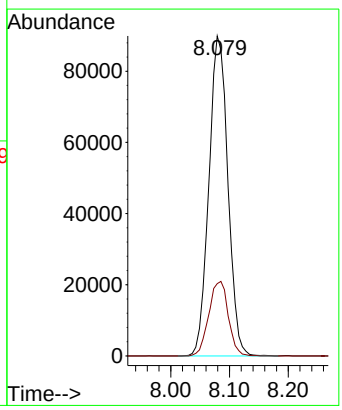


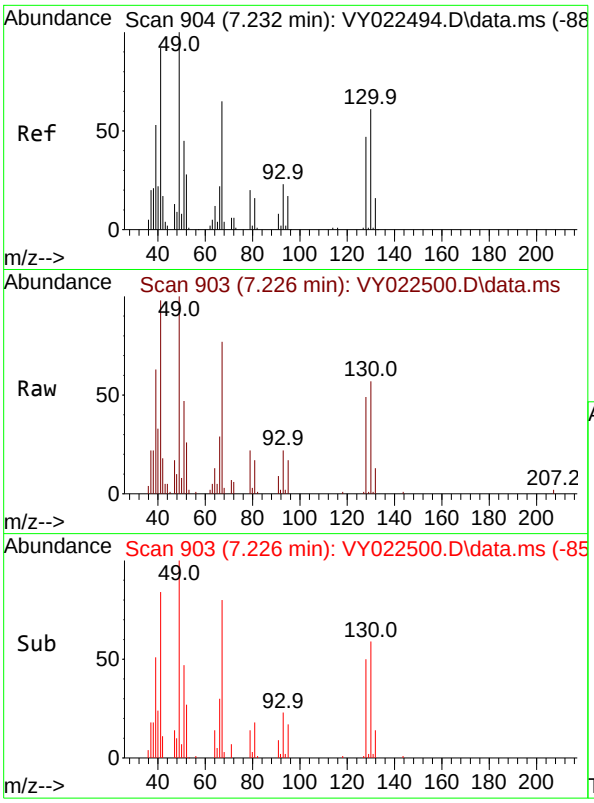


#40
Benzene
Concen: 20.597 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 78 Resp: 201994

Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.3	28.9

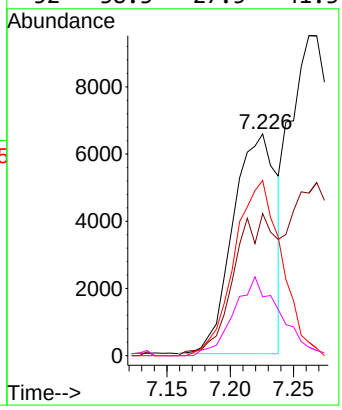




#41
Methacrylonitrile
Concen: 17.984 ug/l
RT: 7.226 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 41 Resp: 1555

Ion	Ratio	Lower	Upper
41	100		
39	36.7	46.6	69.8
67	86.9	63.3	94.9
52	38.3	27.5	41.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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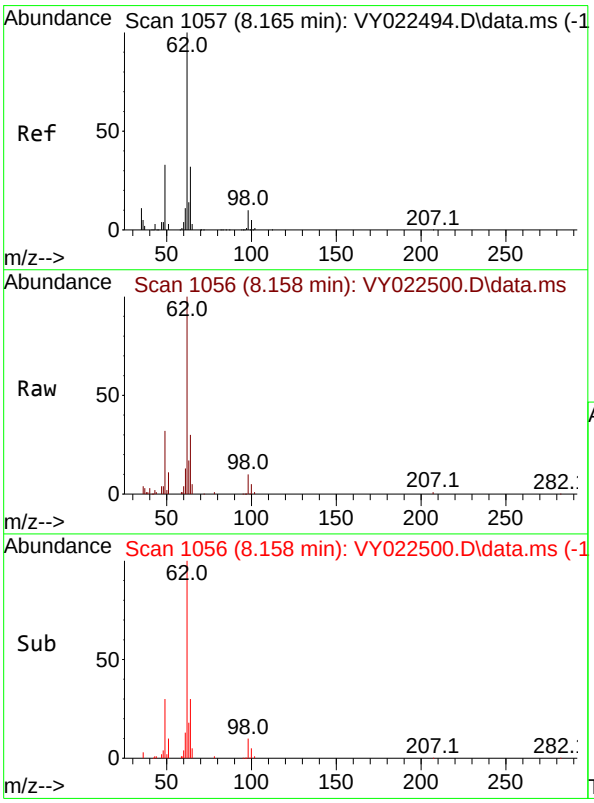
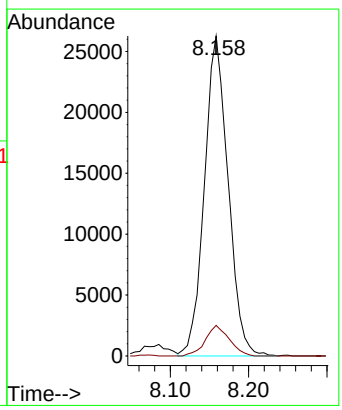
Supervised By :Mahesh Dadoda 06/03/2025

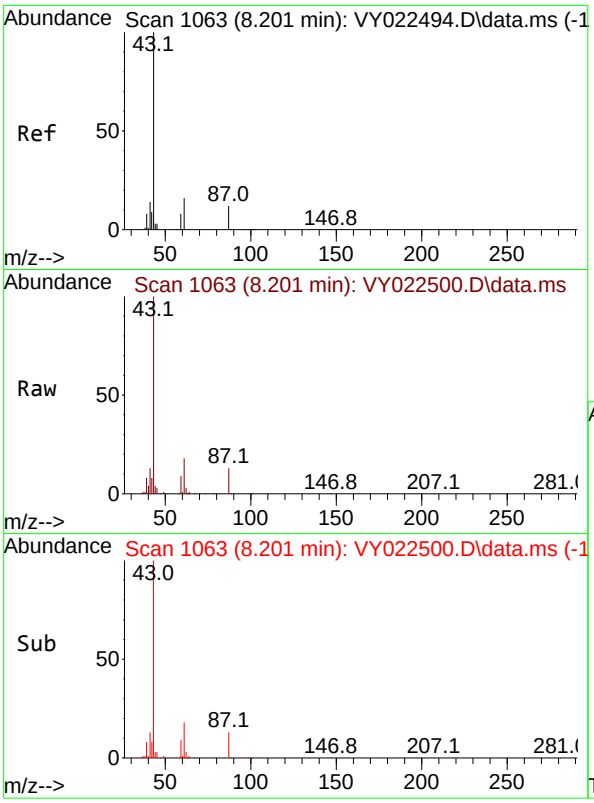


#42
1,2-Dichloroethane
Concen: 20.631 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 62 Resp: 55244

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.2





#43
Isopropyl Acetate
Concen: 19.850 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 43 Resp: 6347

Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.6	23.4
87	13.6	10.2	15.4

Instrument :
MSVOA_Y
ClientSampleId :
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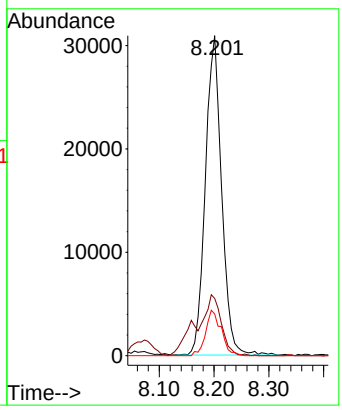
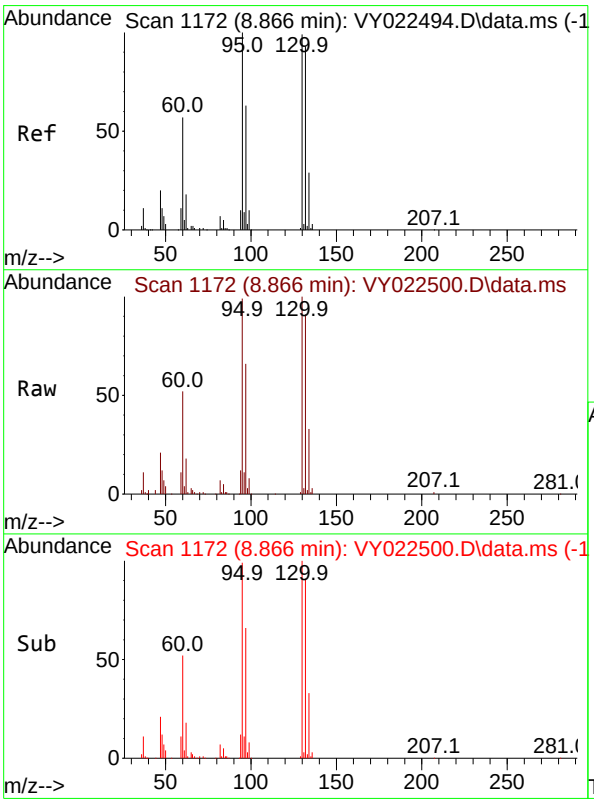
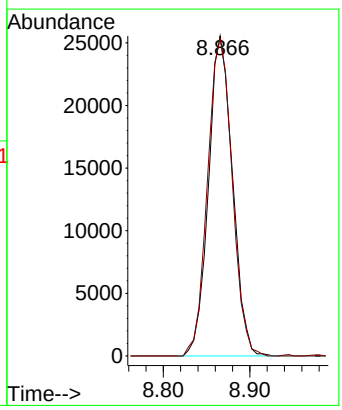


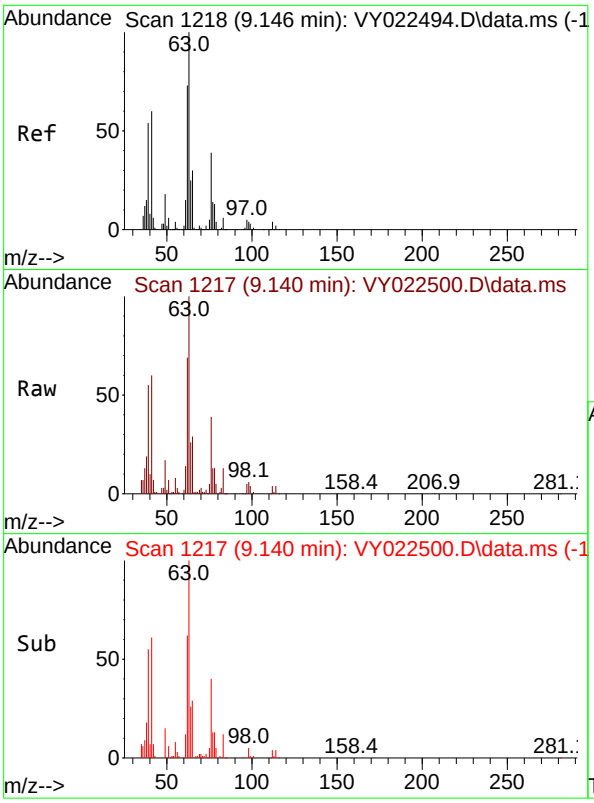


#44
Trichloroethene
Concen: 20.538 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion:130 Resp: 49225

Ion	Ratio	Lower	Upper
130	100		
95	99.2	0.0	203.0





#45
1,2-Dichloropropane
Concen: 20.820 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 63 Resp: 4825

Ion	Ratio	Lower	Upper
63	100		
65	29.1	24.0	36.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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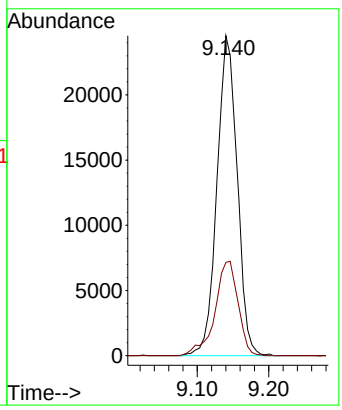
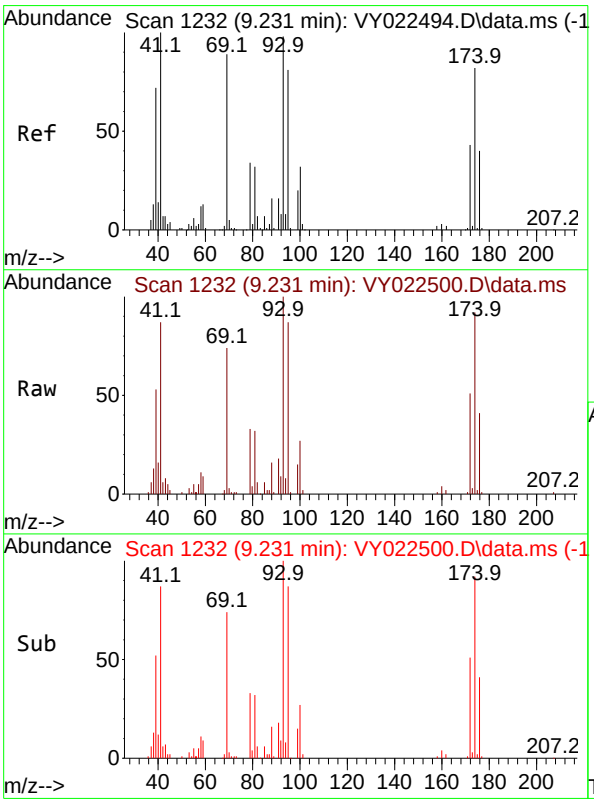
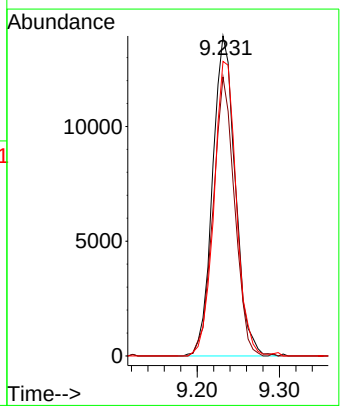


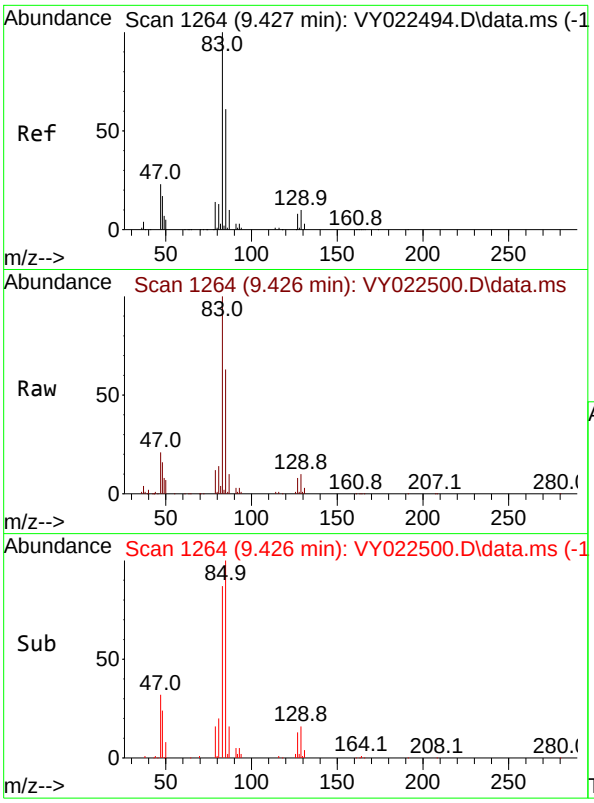


#46
Dibromomethane
Concen: 20.506 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 93 Resp: 26738

Ion	Ratio	Lower	Upper
93	100		
95	82.5	65.6	98.4
174	90.6	70.4	105.6

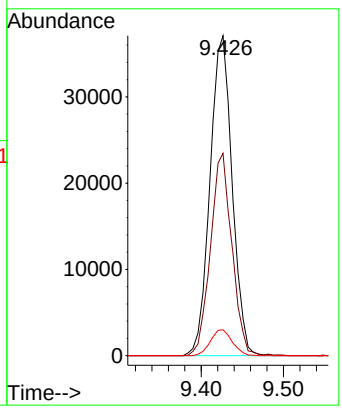




#47
Bromodichloromethane
Concen: 20.994 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 83 Resp: 6941

Ion	Ratio	Lower	Upper
83	100		
85	63.2	49.1	73.7
127	8.1	6.2	9.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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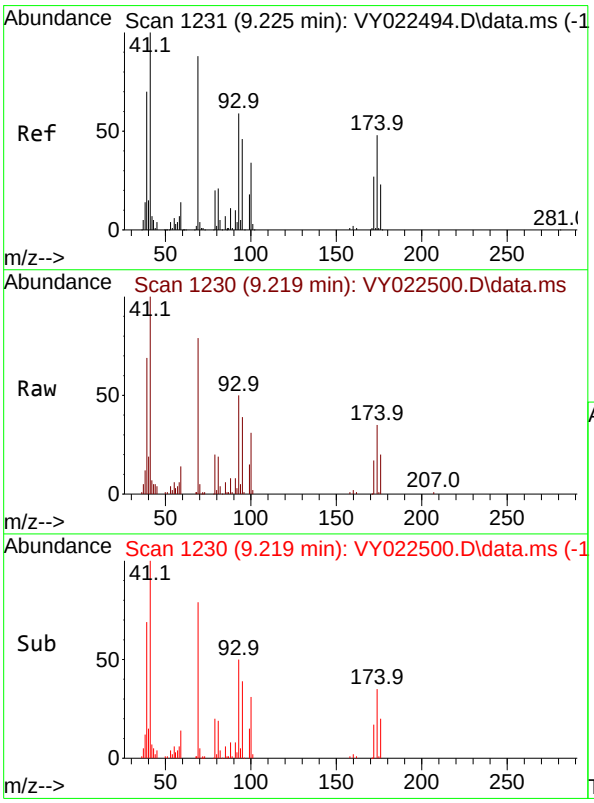
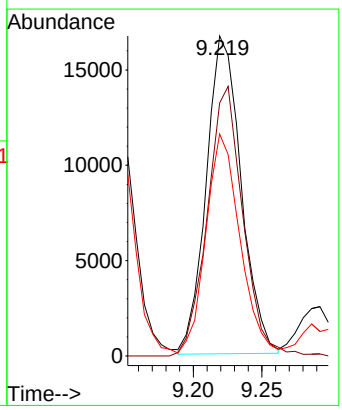
Supervised By :Mahesh Dadoda 06/03/2025

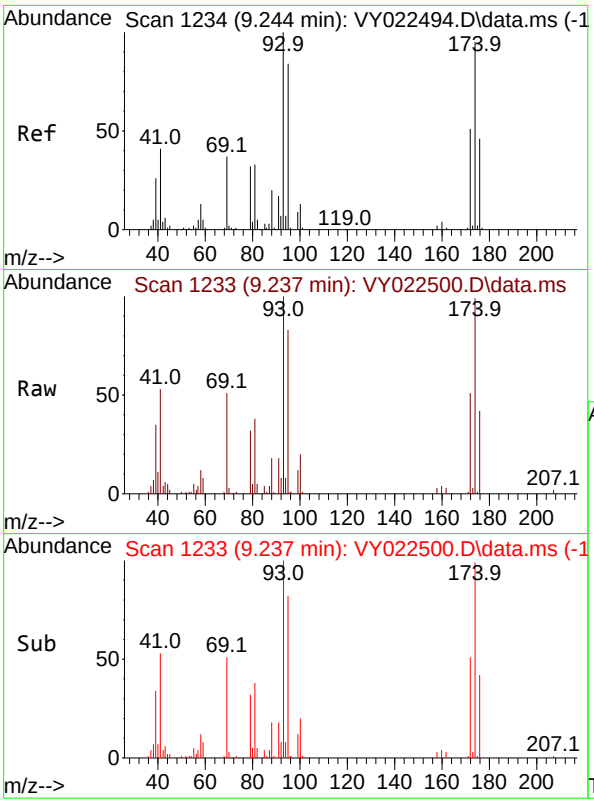


#48
Methyl methacrylate
Concen: 19.675 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 41 Resp: 29530

Ion	Ratio	Lower	Upper
41	100		
69	86.4	67.8	101.8
39	66.9	55.0	82.4





#49
1,4-Dioxane
Concen: 379.032 ug/l
RT: 9.237 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 88 Resp: 585

Ion	Ratio	Lower	Upper
88	100		
43	41.5	25.4	38.2
58	66.0	54.9	82.3

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

Manual Integrations
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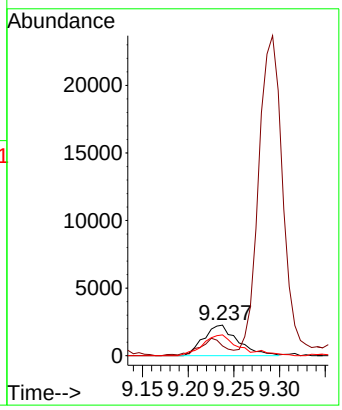
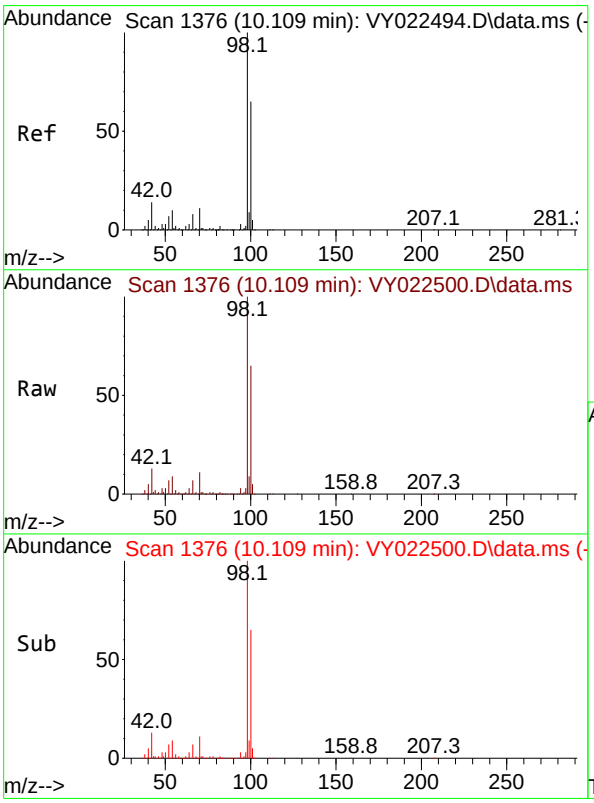
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

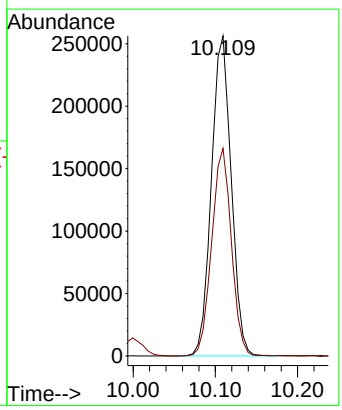


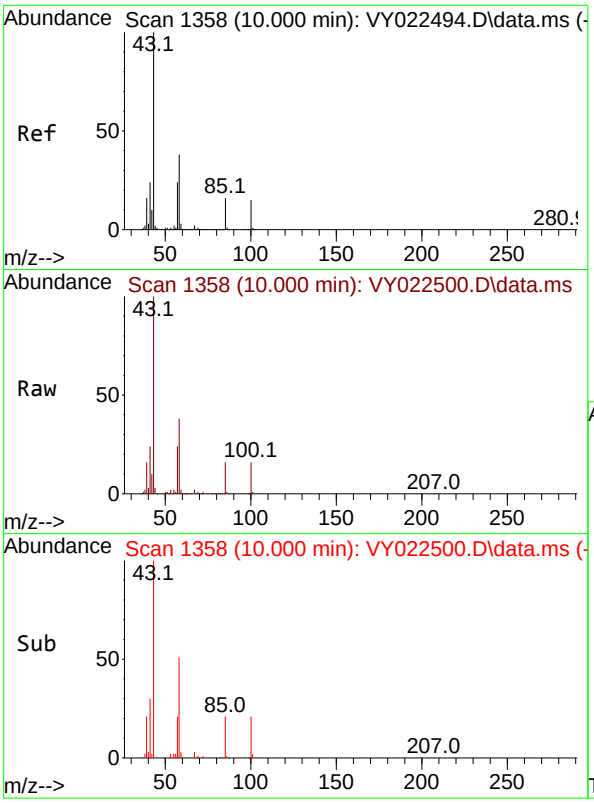


#50
Toluene-d8
Concen: 51.881 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 98 Resp: 428859

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.0





#51
4-Methyl-2-Pentanone
Concen: 98.730 ug/l
RT: 10.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 43 Resp: 15741

Ion	Ratio	Lower	Upper
43	100		
58	38.9	30.4	45.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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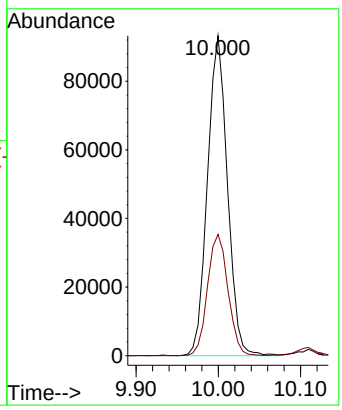
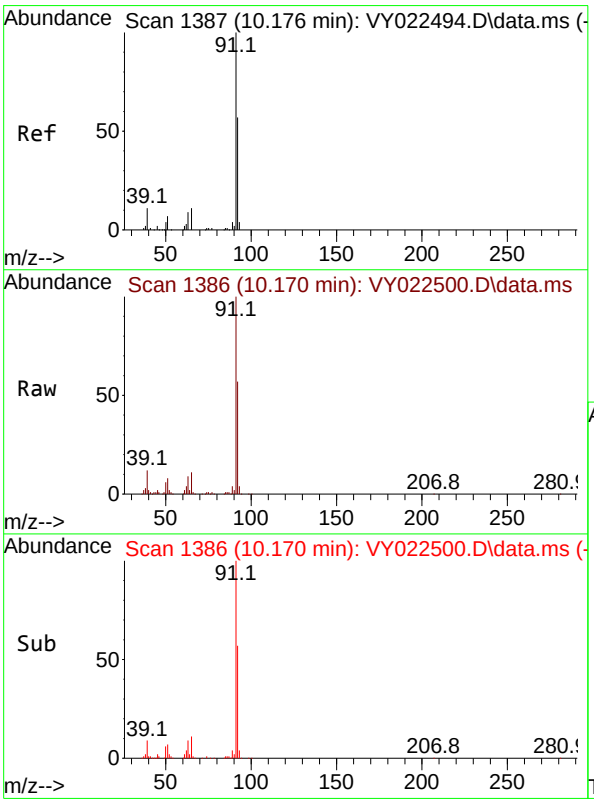
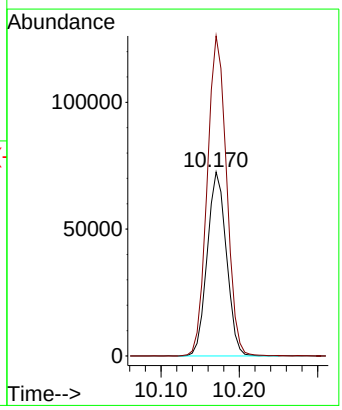


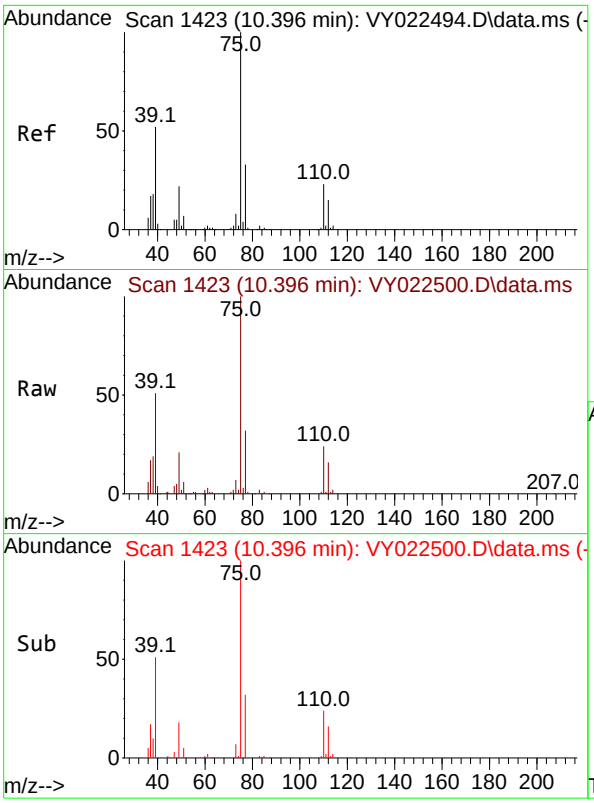


#52
Toluene
Concen: 20.002 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 92 Resp: 123267

Ion	Ratio	Lower	Upper
92	100		
91	175.2	139.0	208.4

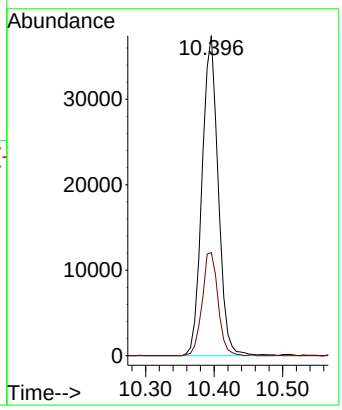




#53
t-1,3-Dichloropropene
Concen: 19.840 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 75 Resp: 6146

Ion	Ratio	Lower	Upper
75	100		
77	32.2	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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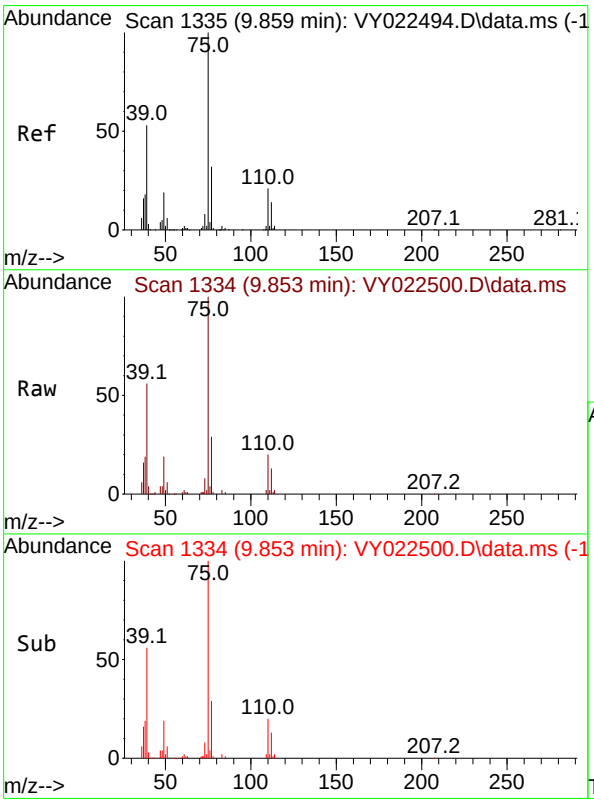
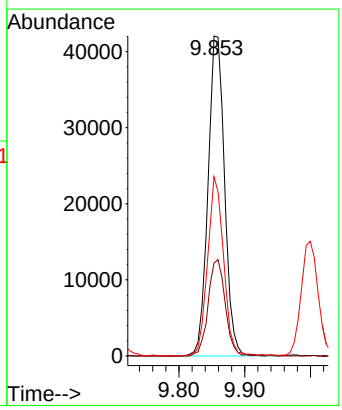
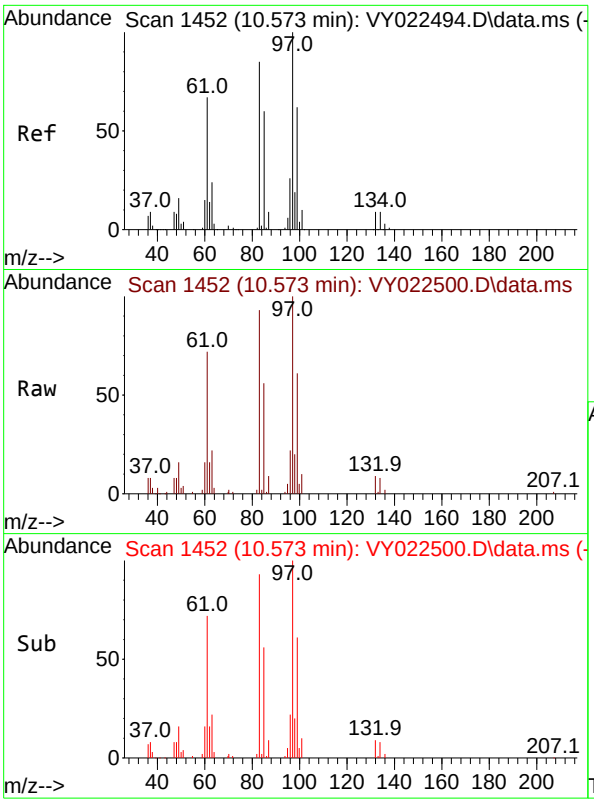


#54
cis-1,3-Dichloropropene
Concen: 20.429 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 75 Resp: 73669

Ion	Ratio	Lower	Upper
75	100		
77	29.0	25.3	37.9
39	56.0	42.7	64.1

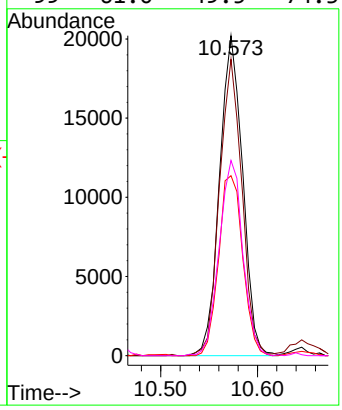




#55
1,1,2-Trichloroethane
Concen: 20.167 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 97 Resp: 3353

Ion	Ratio	Lower	Upper
97	100		
83	92.6	68.1	102.1
85	56.3	48.2	72.2
99	61.0	49.5	74.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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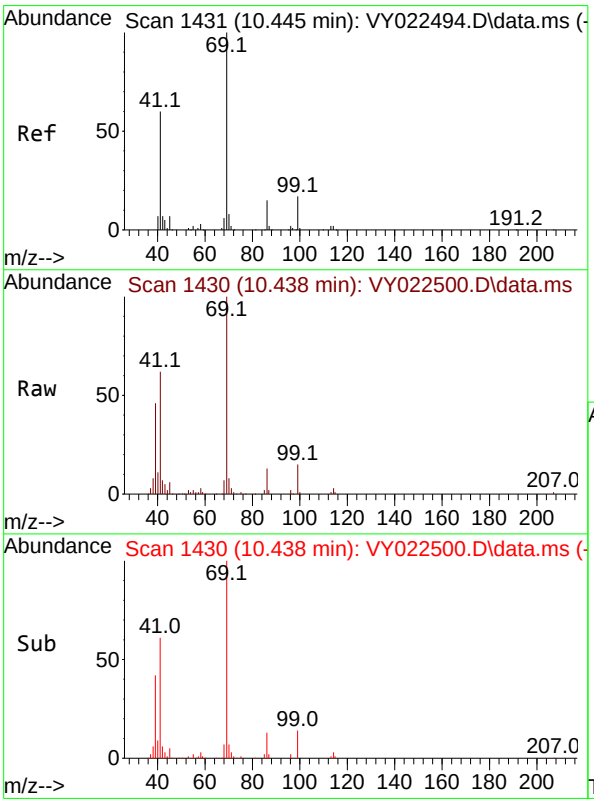
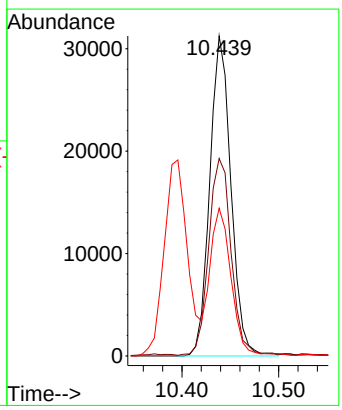
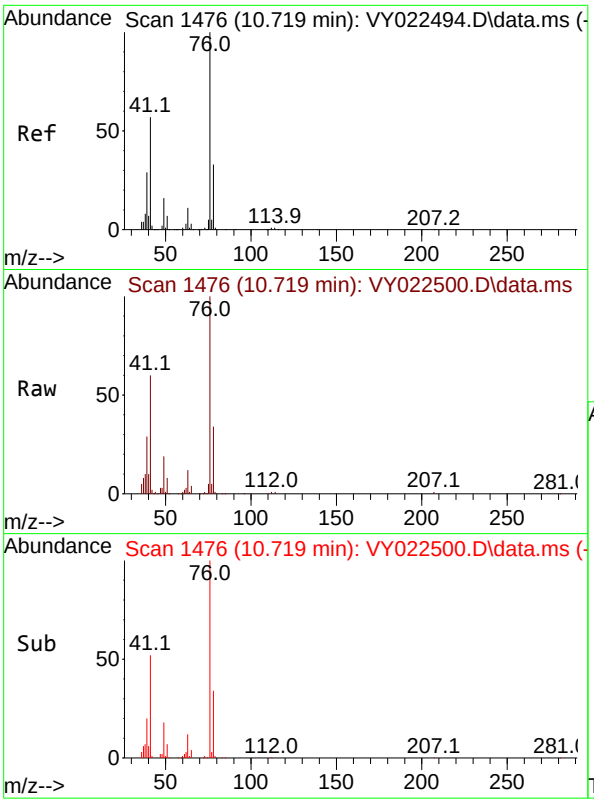


#56
Ethyl methacrylate
Concen: 19.779 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 69 Resp: 47531

Ion	Ratio	Lower	Upper
69	100		
41	65.4	52.2	78.2
39	45.6	36.7	55.1

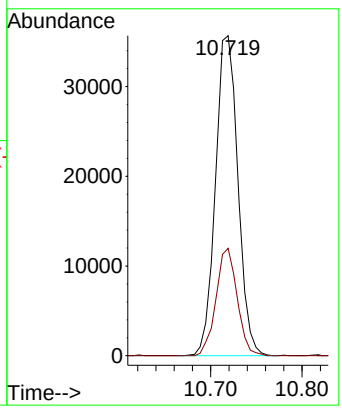




#57
1,3-Dichloropropane
Concen: 20.662 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 76 Resp: 6088

Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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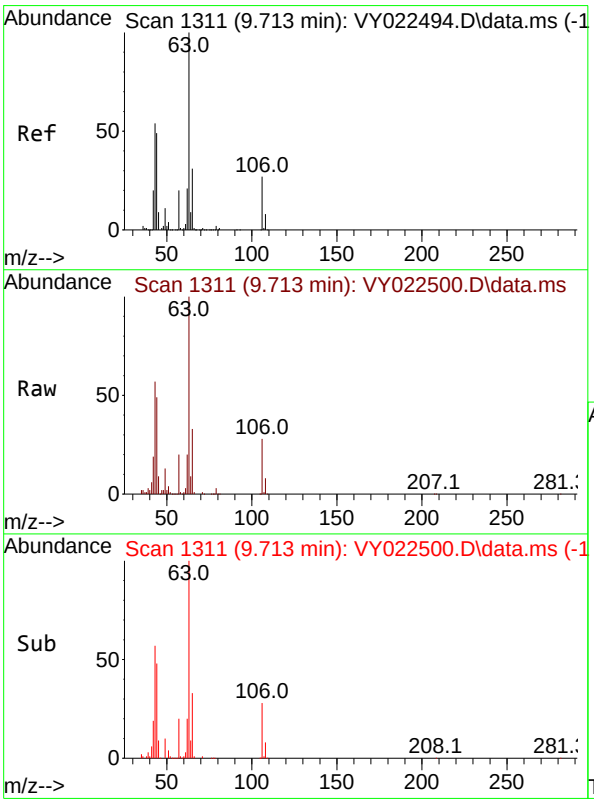
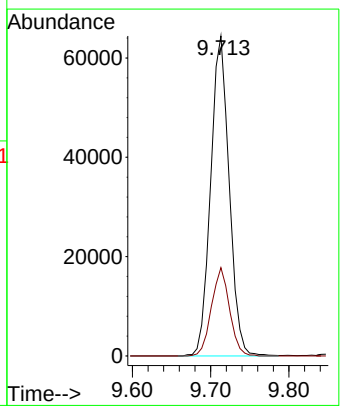
Supervised By :Mahesh Dadoda 06/03/2025

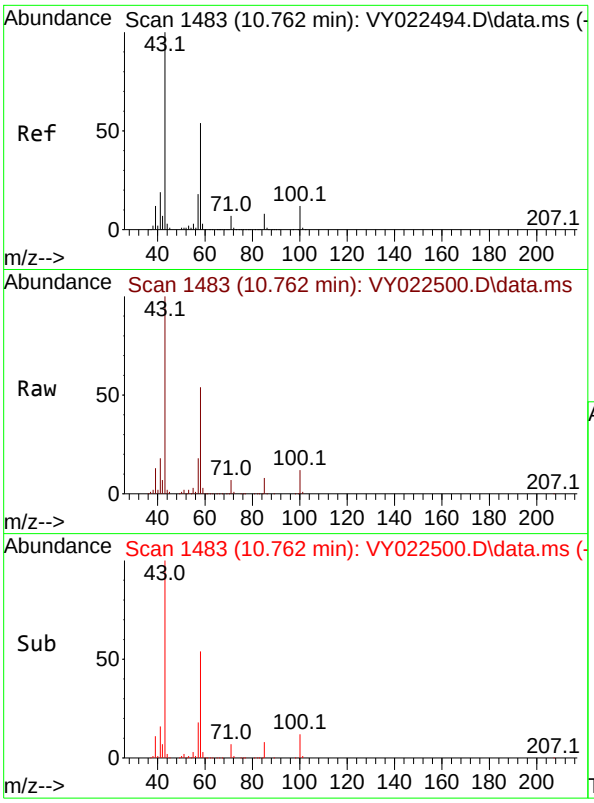


#58
2-Chloroethyl Vinyl ether
Concen: 96.908 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 63 Resp: 105730

Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.6	32.4





#59
2-Hexanone
Concen: 96.426 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 43 Resp: 10281

Ion	Ratio	Lower	Upper
43	100		
58	54.1	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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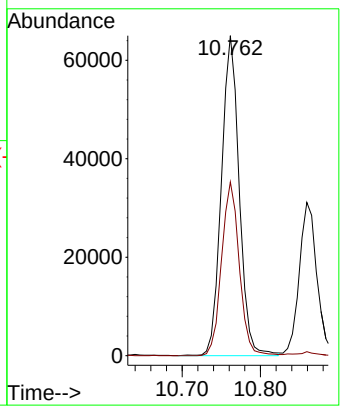
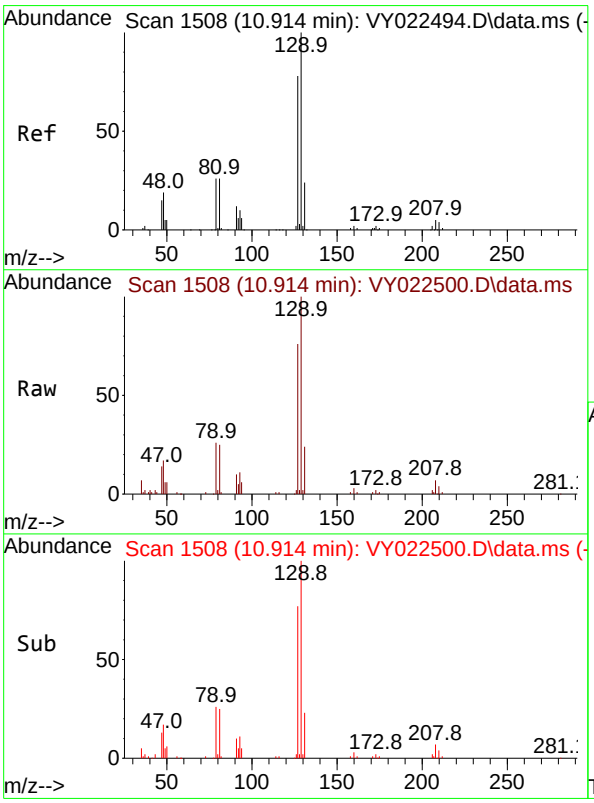
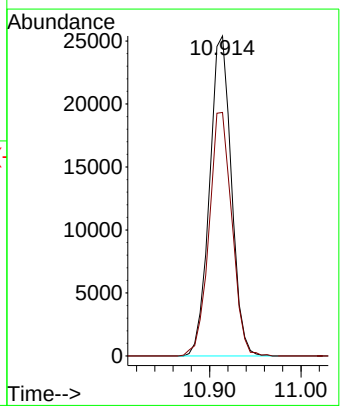


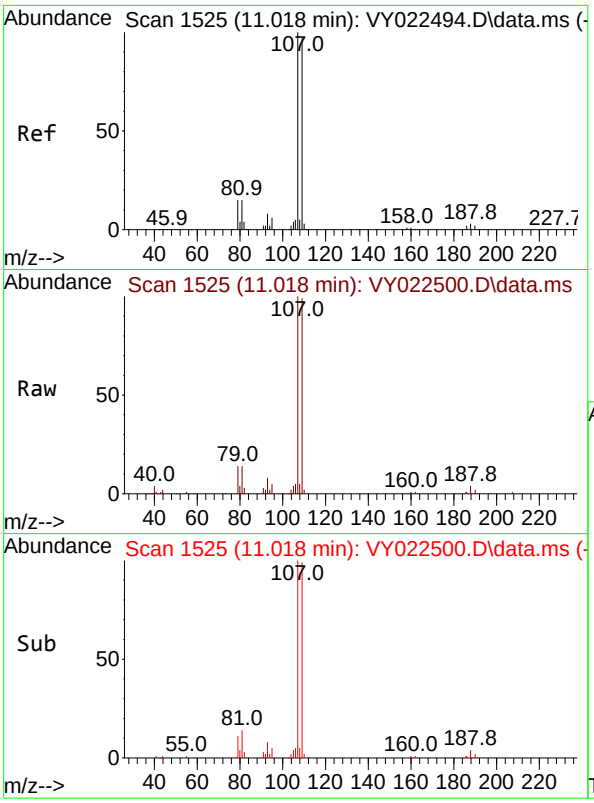


#60
Dibromochloromethane
Concen: 19.901 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion:129 Resp: 42049

Ion	Ratio	Lower	Upper
129	100		
127	79.7	39.1	117.2

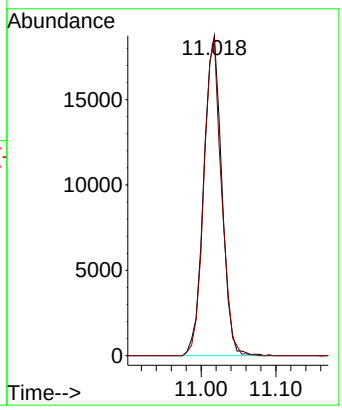




#61
1,2-Dibromoethane
Concen: 20.694 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion:107 Resp: 3136

Ion	Ratio	Lower	Upper
107	100		
109	96.4	77.7	116.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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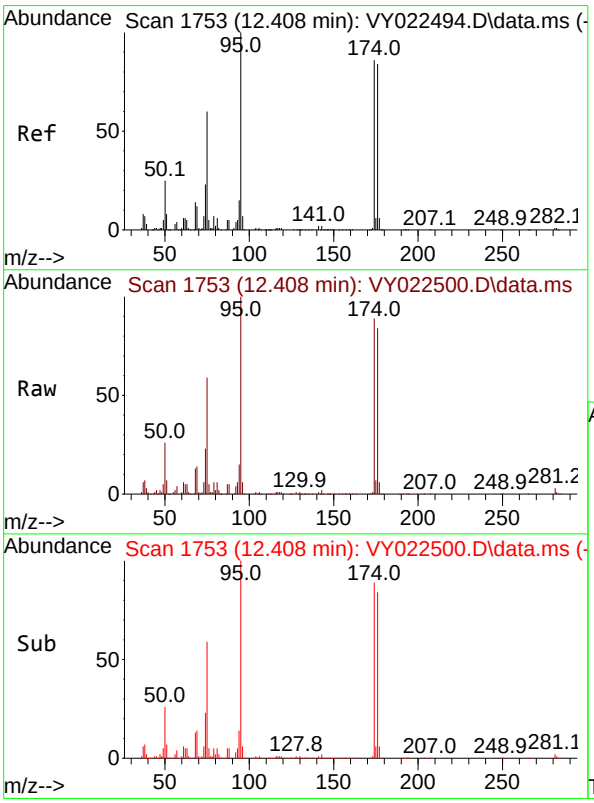
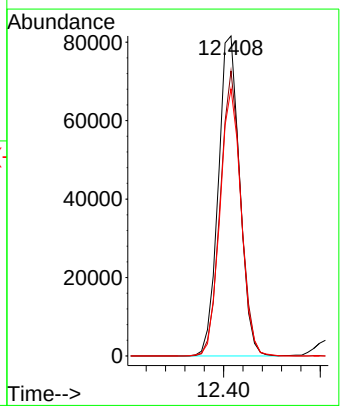
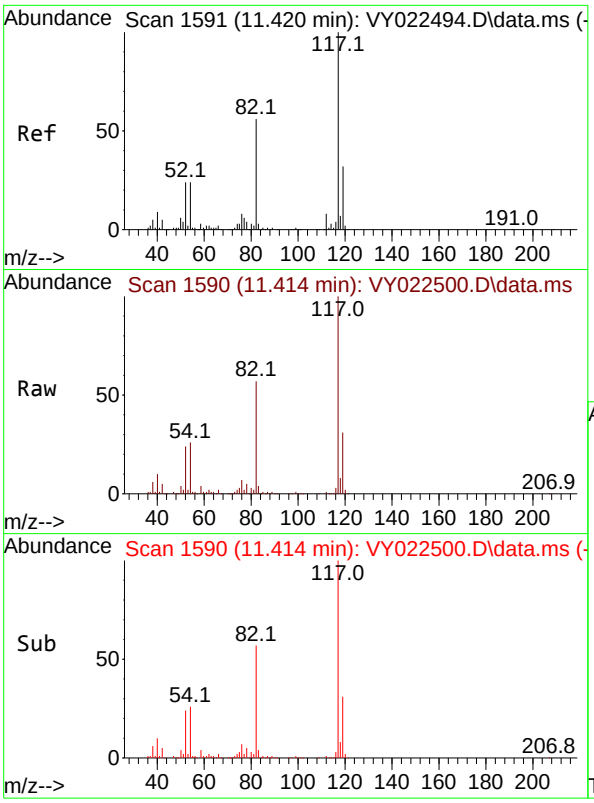


#62
4-Bromofluorobenzene
Concen: 50.748 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 95 Resp: 124988

Ion	Ratio	Lower	Upper
95	100		
174	85.7	0.0	170.0
176	82.6	0.0	166.2

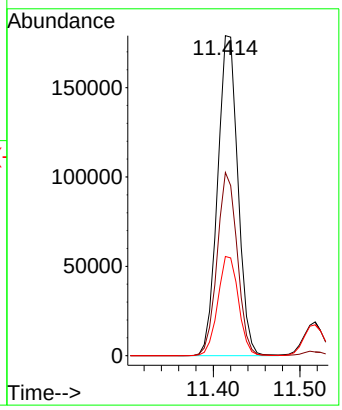




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion:117 Resp: 29138

Ion	Ratio	Lower	Upper
117	100		
82	57.3	44.6	66.8
119	31.0	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
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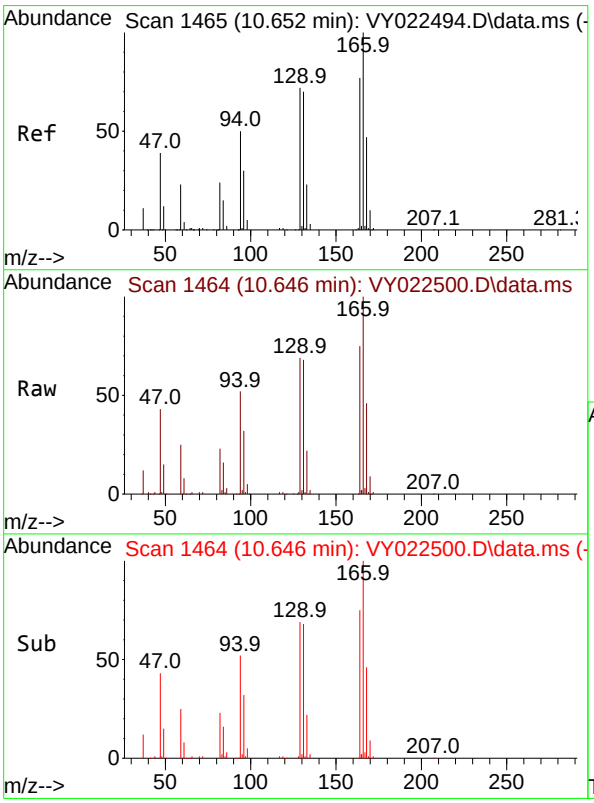
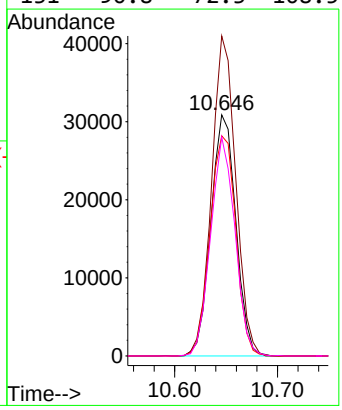
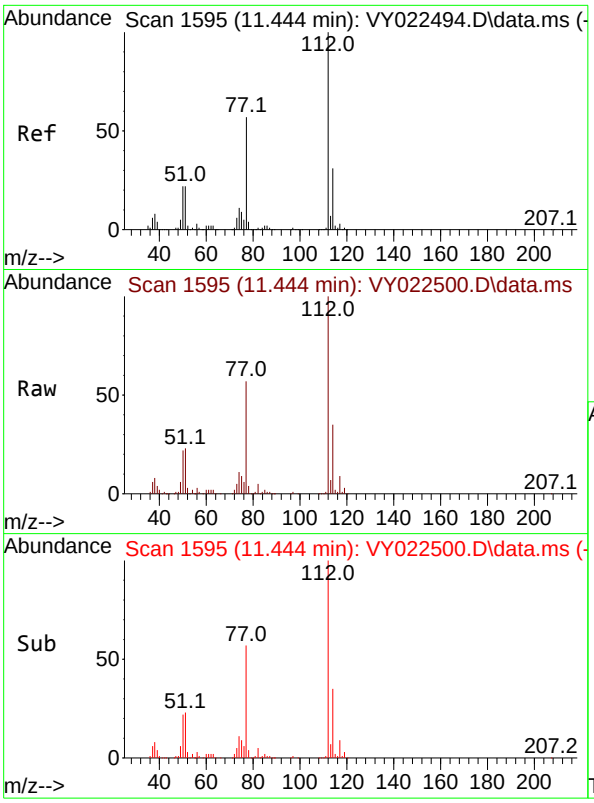


#64
Tetrachloroethene
Concen: 20.762 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion:164 Resp: 52041

Ion	Ratio	Lower	Upper
164	100		
166	132.8	104.0	156.0
129	91.3	74.5	111.7
131	90.8	72.3	108.5

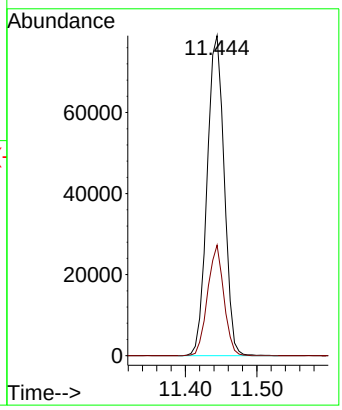




#65
Chlorobenzene
Concen: 20.287 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion:112 Resp: 13081

Ion	Ratio	Lower	Upper
112	100		
114	34.6	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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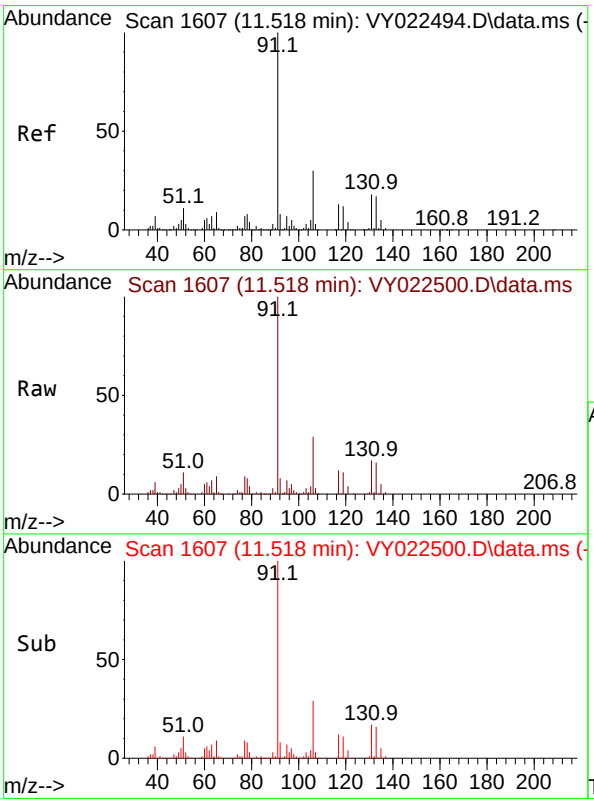
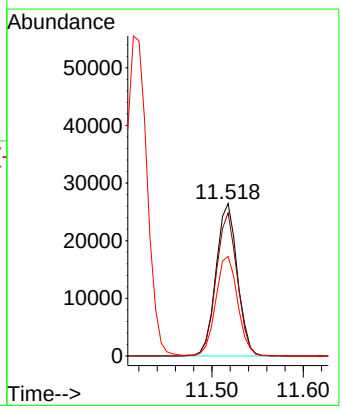
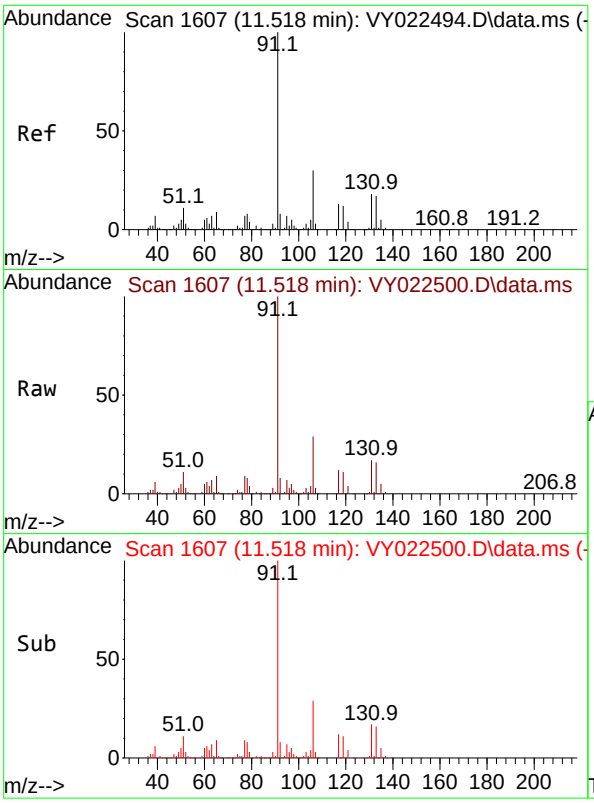


#66
1,1,1,2-Tetrachloroethane
Concen: 19.751 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion:131 Resp: 42902

Ion	Ratio	Lower	Upper
131	100		
133	93.3	47.3	141.8
119	67.3	33.1	99.3

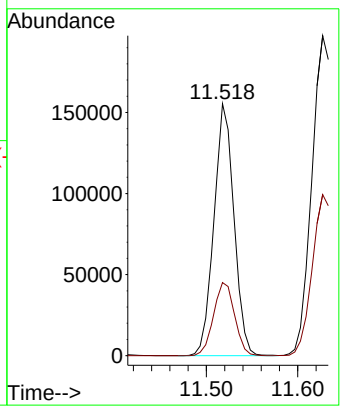




#67
Ethyl Benzene
Concen: 19.784 ug/l
RT: 11.518 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 91 Resp: 23661

Ion	Ratio	Lower	Upper
91	100		
106	29.0	24.2	36.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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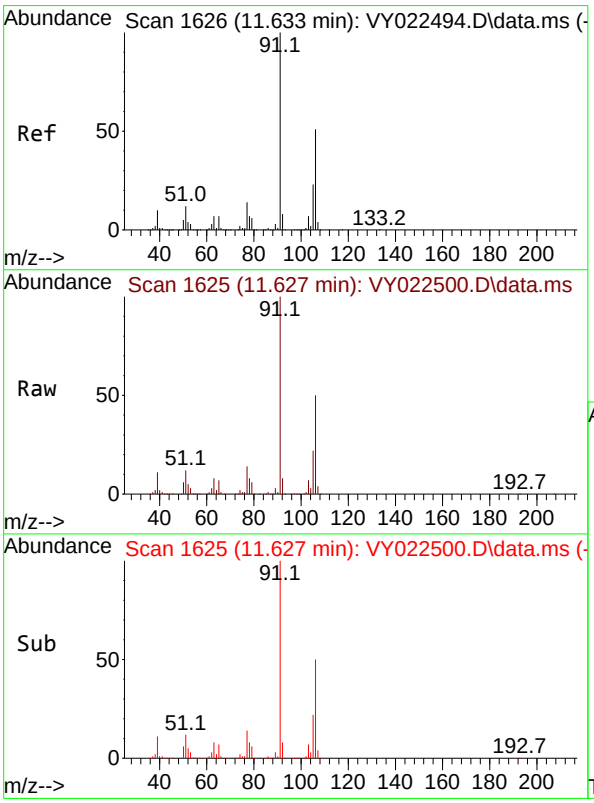
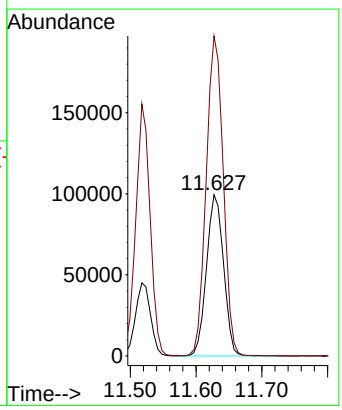
Supervised By :Mahesh Dadoda 06/03/2025

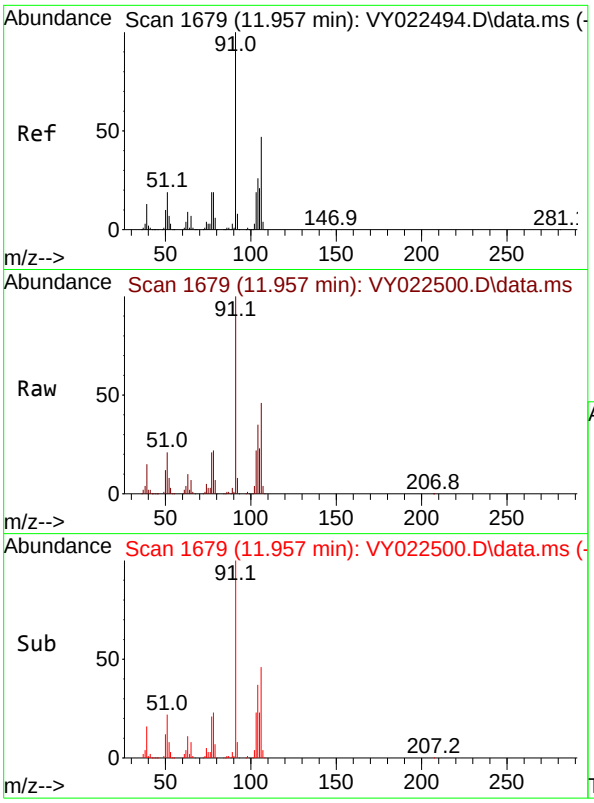


#68
m/p-Xylenes
Concen: 39.592 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion:106 Resp: 179501

Ion	Ratio	Lower	Upper
106	100		
91	198.0	159.4	239.0

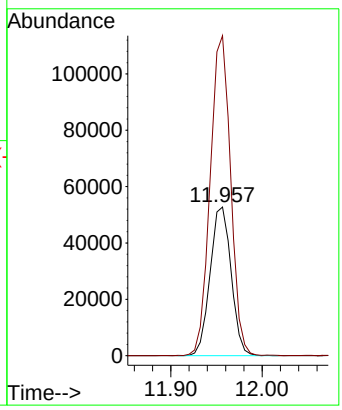




#69
o-Xylene
Concen: 19.844 ug/l
RT: 11.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion:106 Resp: 8435

Ion	Ratio	Lower	Upper
106	100		
91	209.3	105.8	317.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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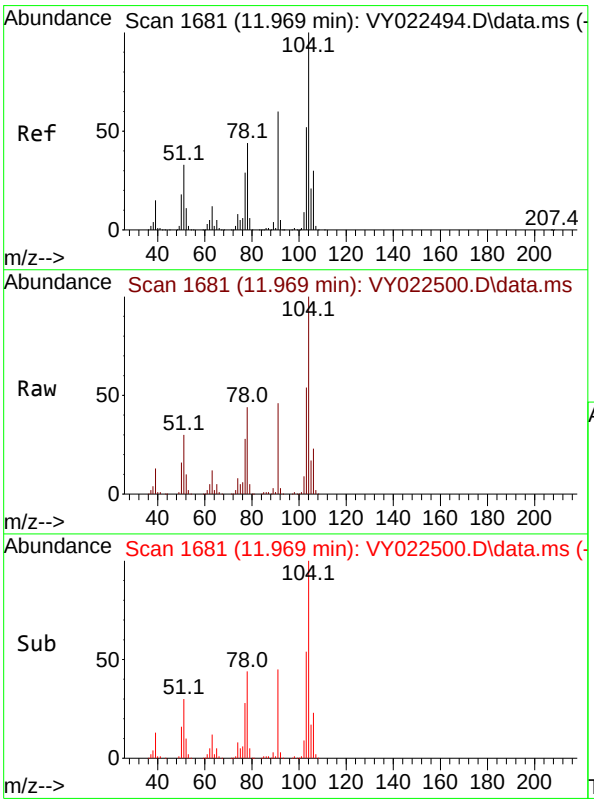
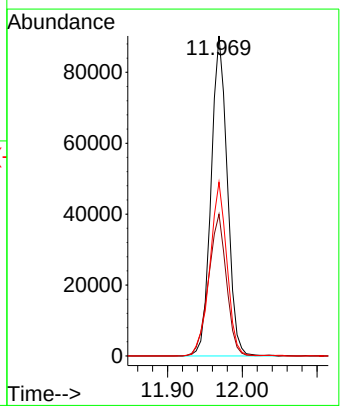
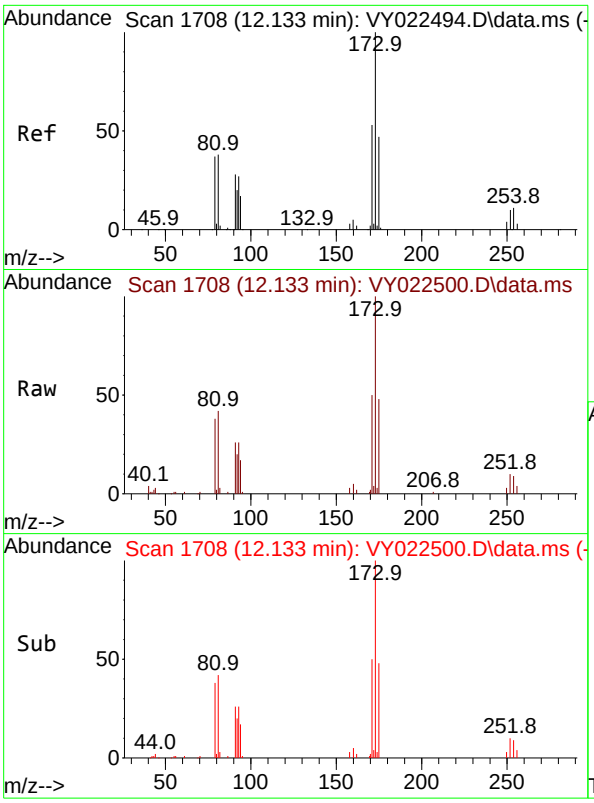


#70
Styrene
Concen: 19.381 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion:104 Resp: 136180

Ion	Ratio	Lower	Upper
104	100		
78	48.8	39.5	59.3
103	57.1	44.1	66.1

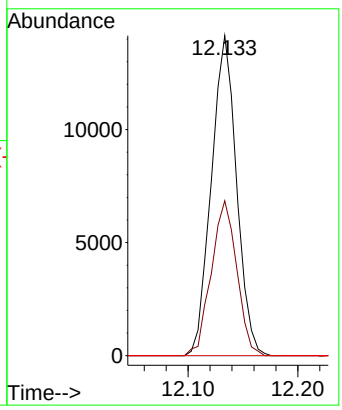




#71
Bromoform
Concen: 19.595 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion:173 Resp: 2265

Ion	Ratio	Lower	Upper
173	100		
175	48.9	23.8	71.5
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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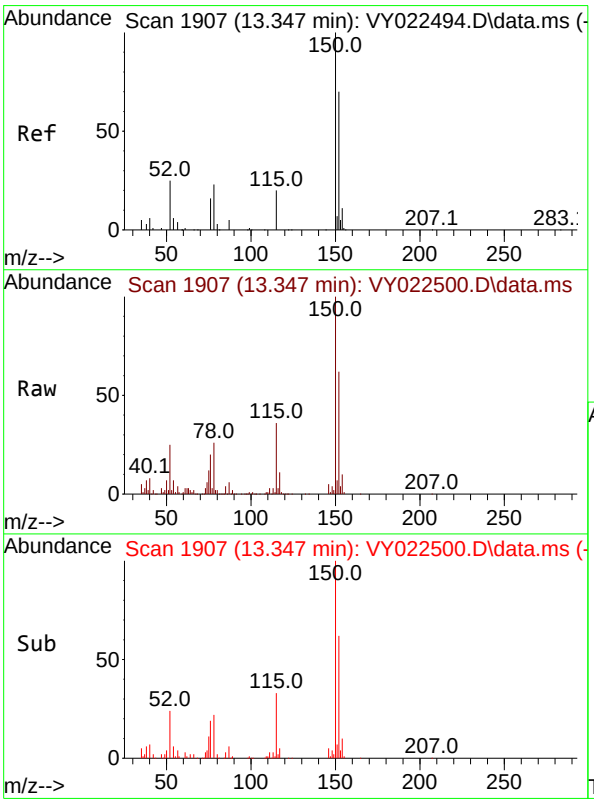
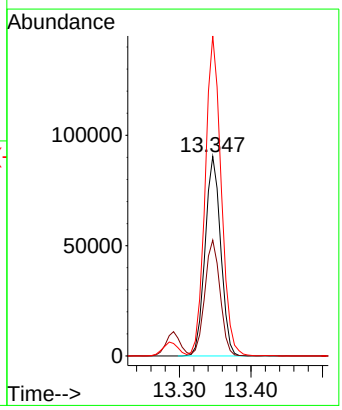
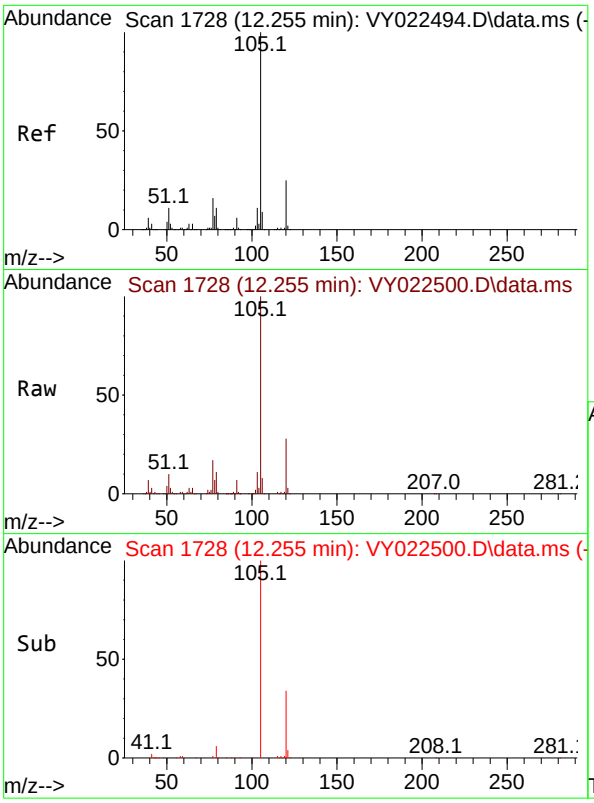


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion:152 Resp: 136847

Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.9	86.7
150	164.3	0.0	349.6

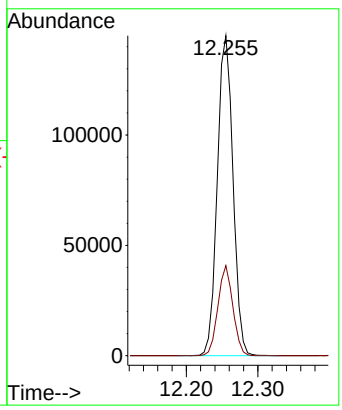




#73
Isopropylbenzene
Concen: 19.645 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion:105 Resp: 22070

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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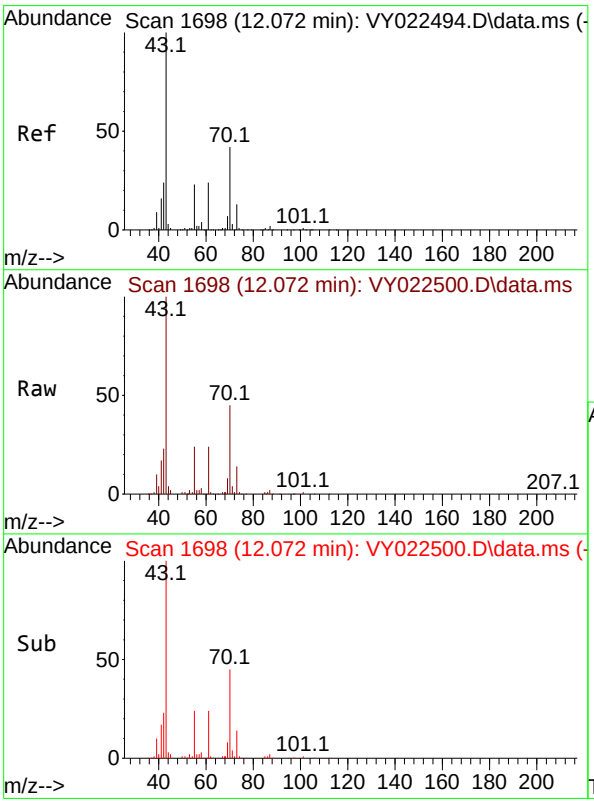
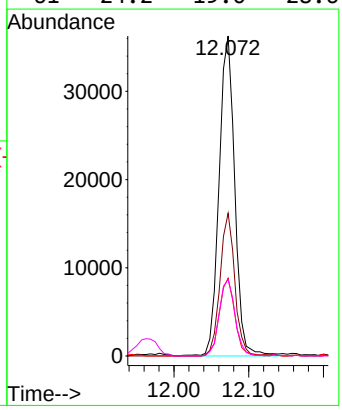
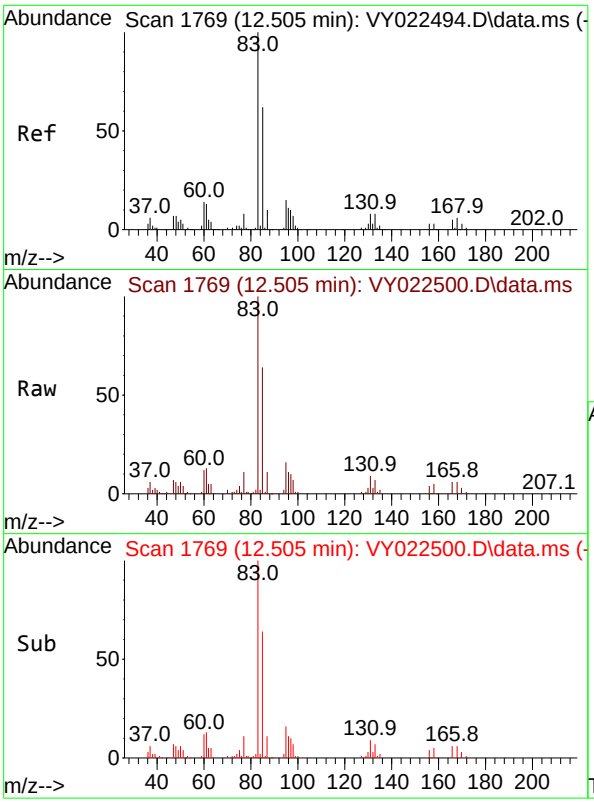


#74
N-amyl acetate
Concen: 18.714 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 43 Resp: 53050

Ion	Ratio	Lower	Upper
43	100		
70	41.9	34.2	51.2
55	24.0	18.2	27.4
61	24.2	19.0	28.6

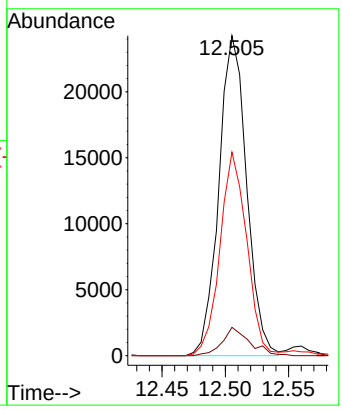




#75
1,1,2,2-Tetrachloroethane
Concen: 20.093 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 83 Resp: 3705

Ion	Ratio	Lower	Upper
83	100		
131	8.7	4.9	14.7
85	61.3	32.6	97.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

Manual Integrations
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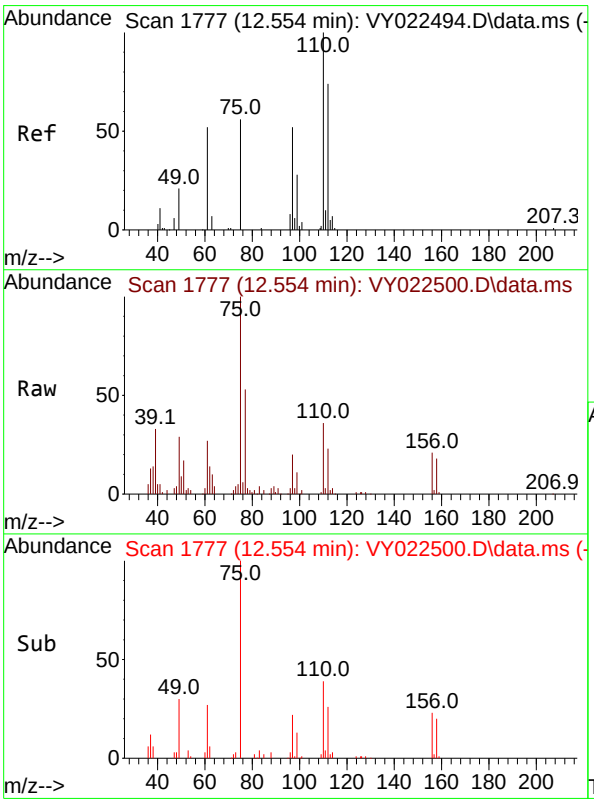
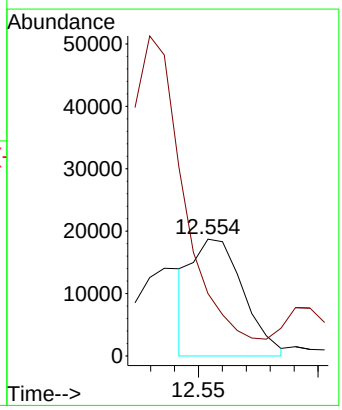
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

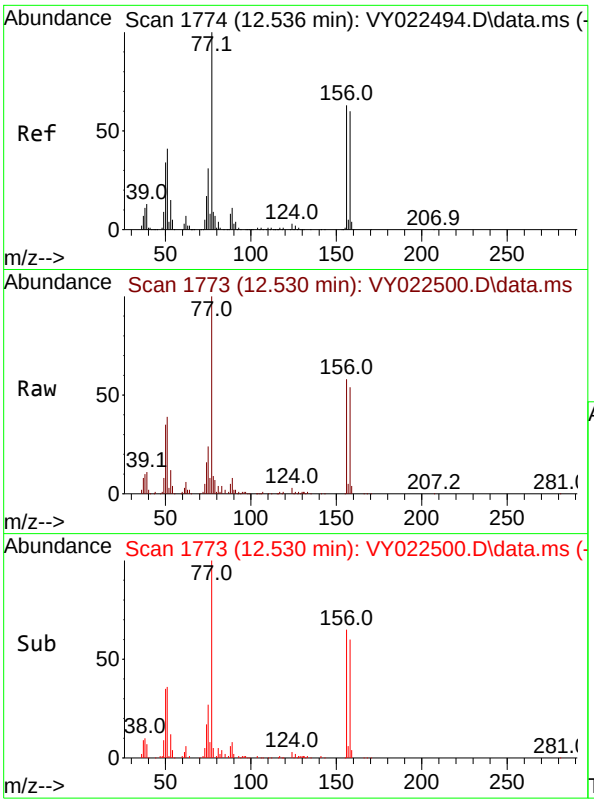


#76
1,2,3-Trichloropropane
Concen: 17.857 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 75 Resp: 27956

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

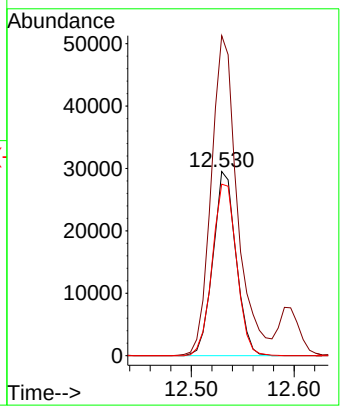




#77
Bromobenzene
Concen: 19.395 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion:156 Resp: 4598

Ion	Ratio	Lower	Upper
156	100		
77	196.9	94.0	282.1
158	98.3	48.2	144.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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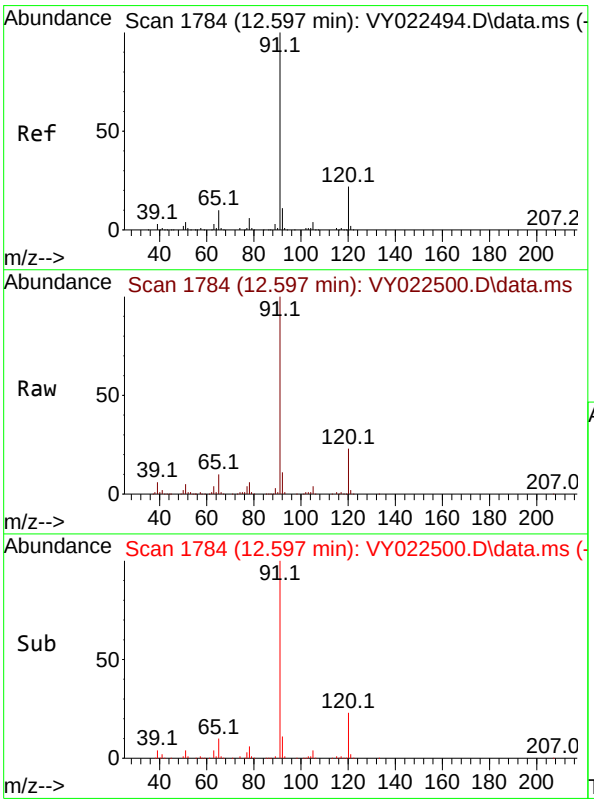
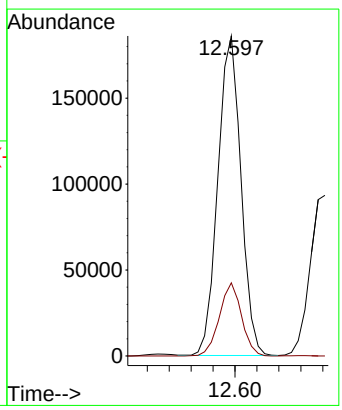
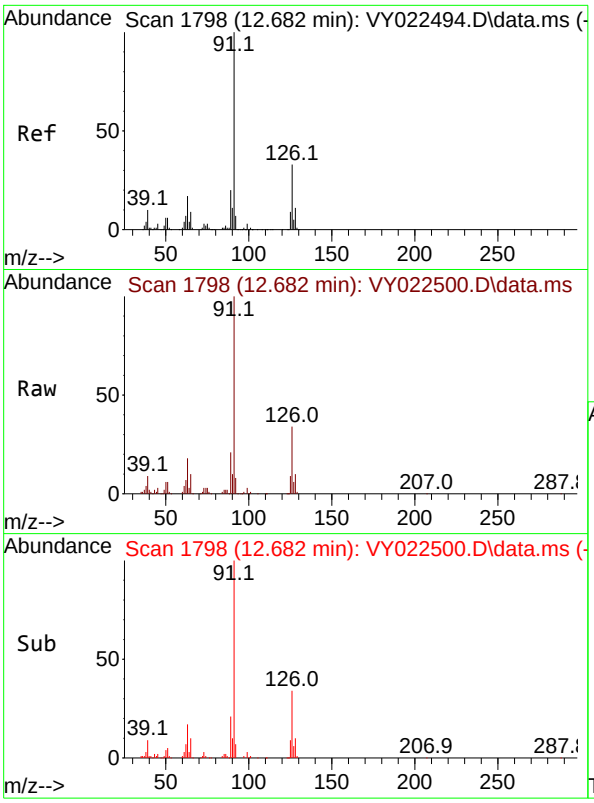


#78
n-propylbenzene
Concen: 19.799 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 91 Resp: 271685

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4





#79
2-Chlorotoluene
Concen: 19.693 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 91 Resp: 14322

Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.0	51.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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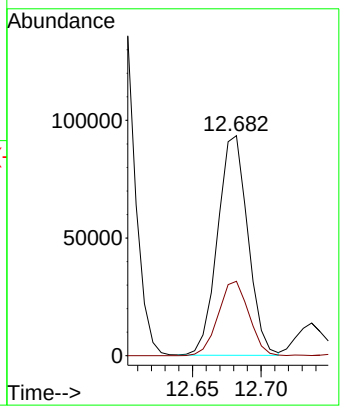
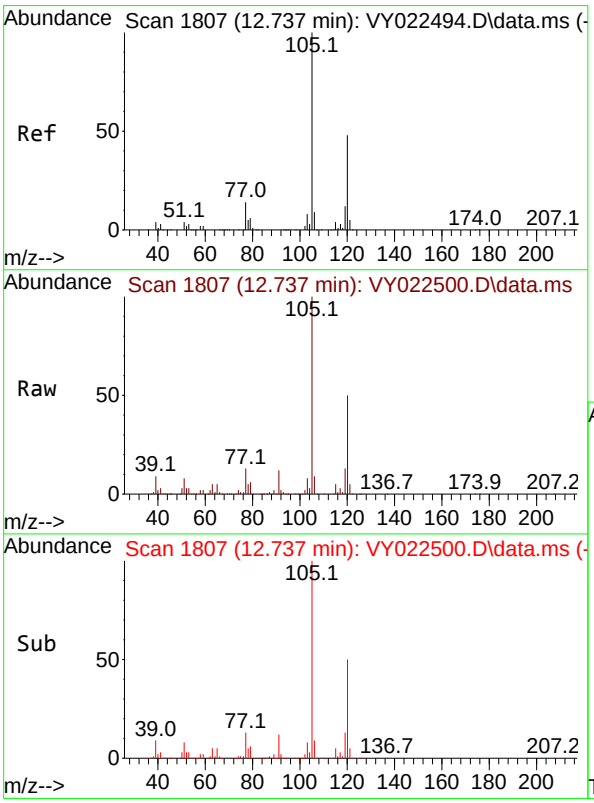
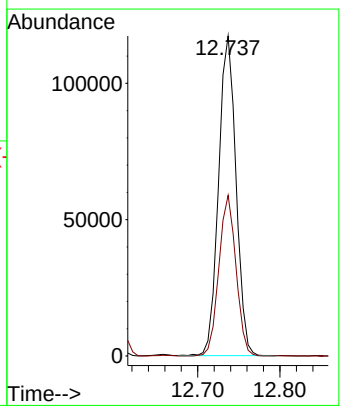


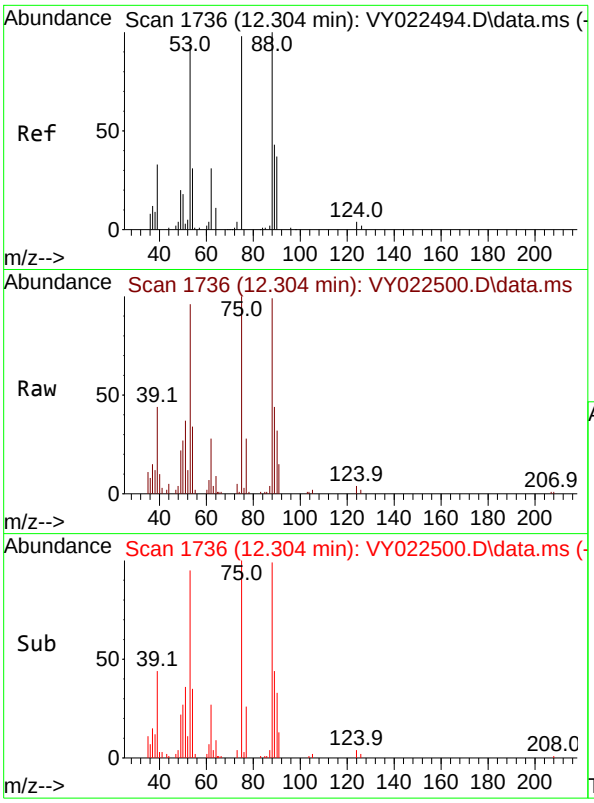


#80
1,3,5-Trimethylbenzene
Concen: 19.571 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion:105 Resp: 172628

Ion	Ratio	Lower	Upper
105	100		
120	49.3	24.1	72.4

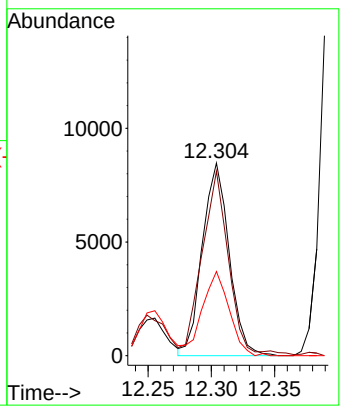




#81
trans-1,4-Dichloro-2-butene
Concen: 19.335 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 75 Resp: 1253

Ion	Ratio	Lower	Upper
75	100		
53	93.3	78.5	117.7
89	44.1	35.7	53.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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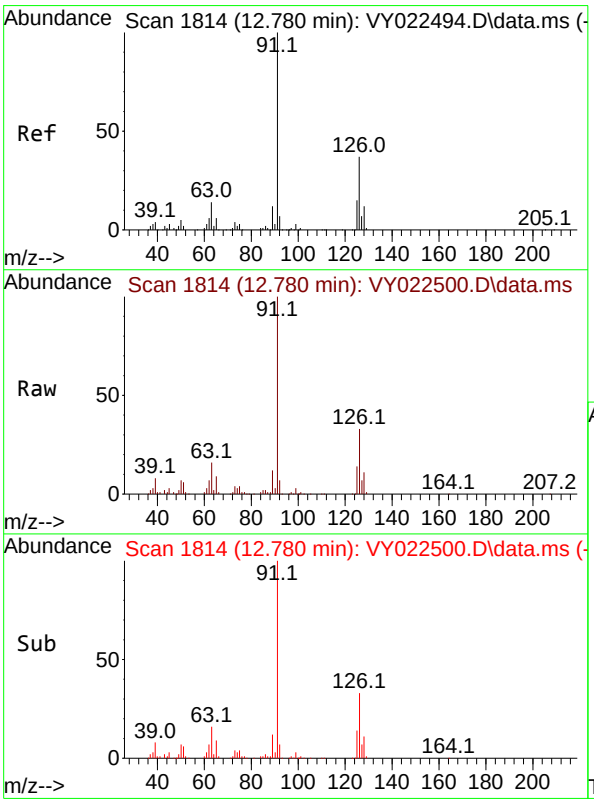
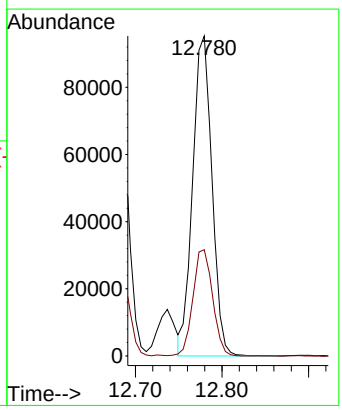
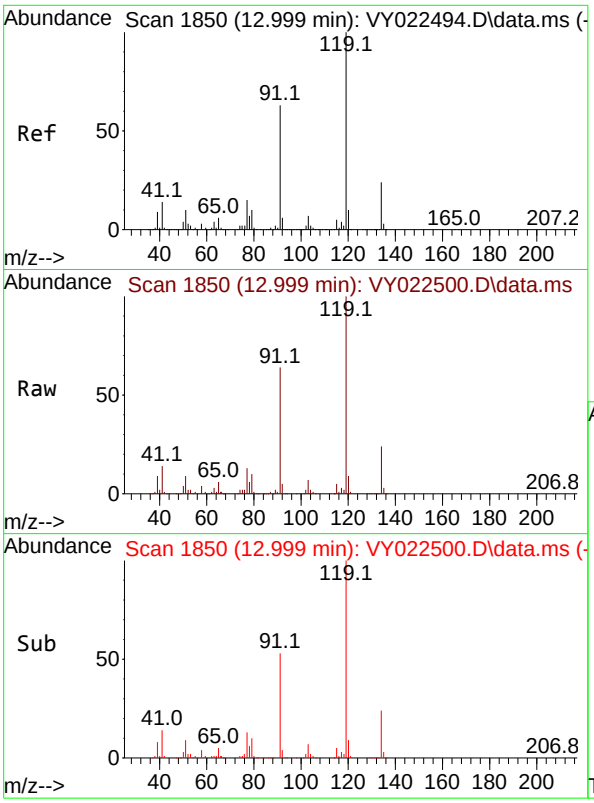


#82
4-Chlorotoluene
Concen: 19.662 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 91 Resp: 147519

Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.0	50.9





#83
tert-Butylbenzene
Concen: 20.089 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion:119 Resp: 15903

Ion	Ratio	Lower	Upper
119	100		
91	64.6	32.1	96.3
134	25.7	13.0	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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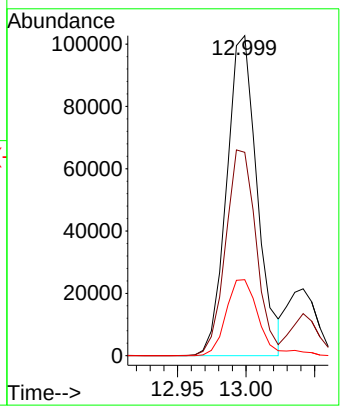
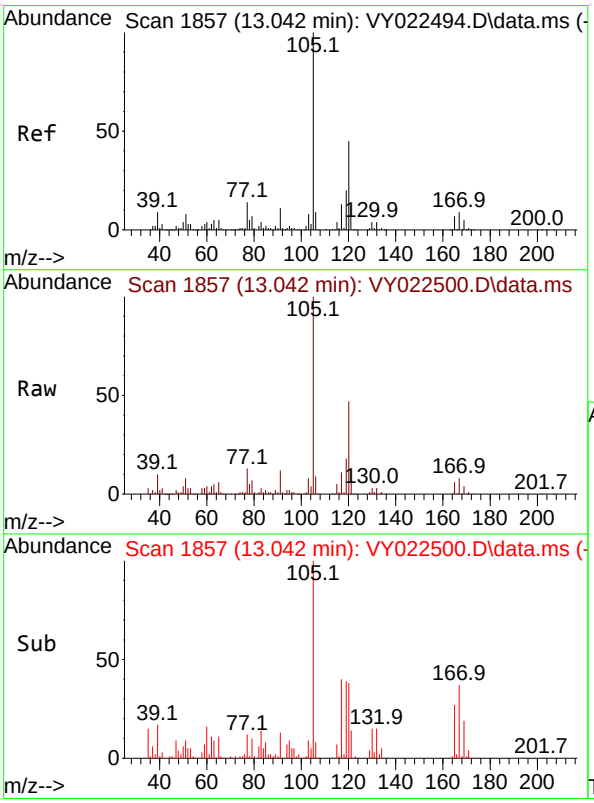
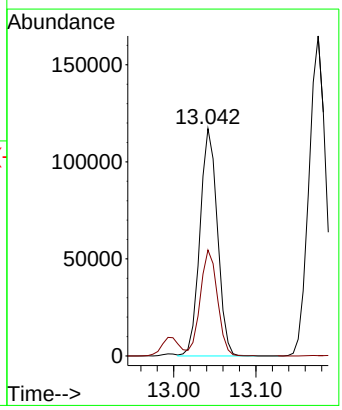


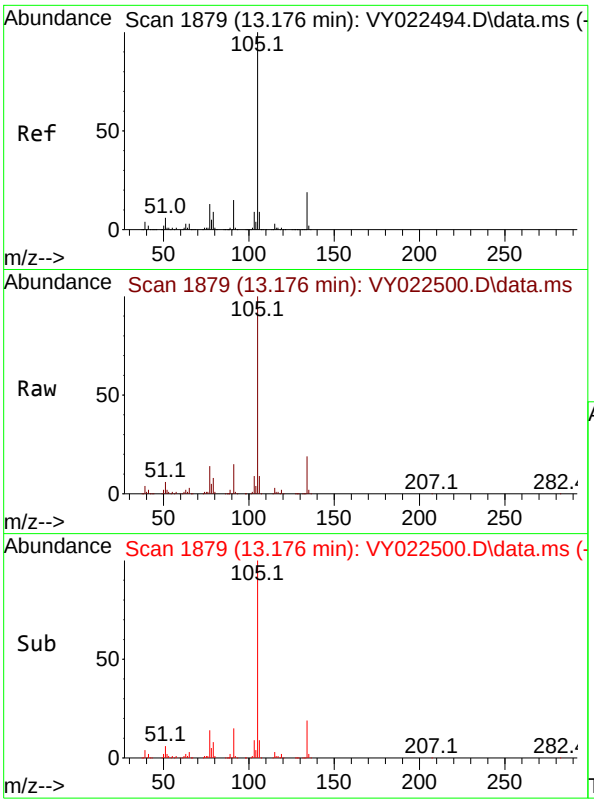


#84
1,2,4-Trimethylbenzene
Concen: 19.562 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion:105 Resp: 172573

Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.7	68.1





#85
sec-Butylbenzene
Concen: 19.684 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion:105 Resp: 23866

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.7	28.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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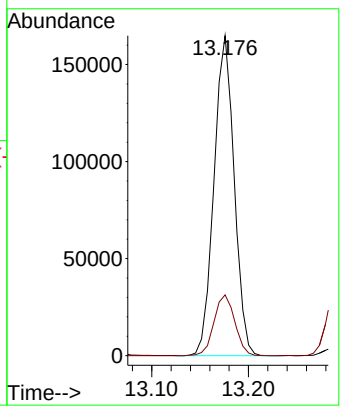
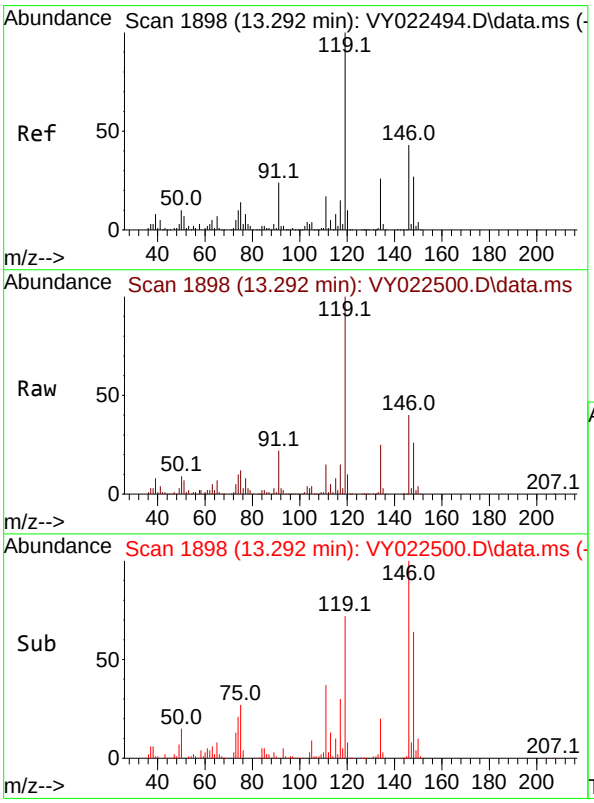
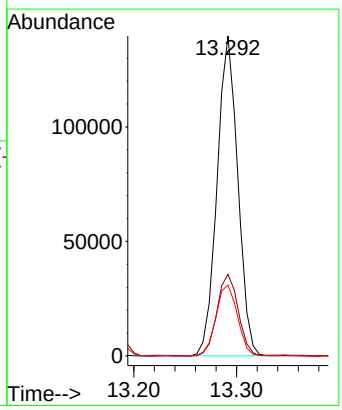


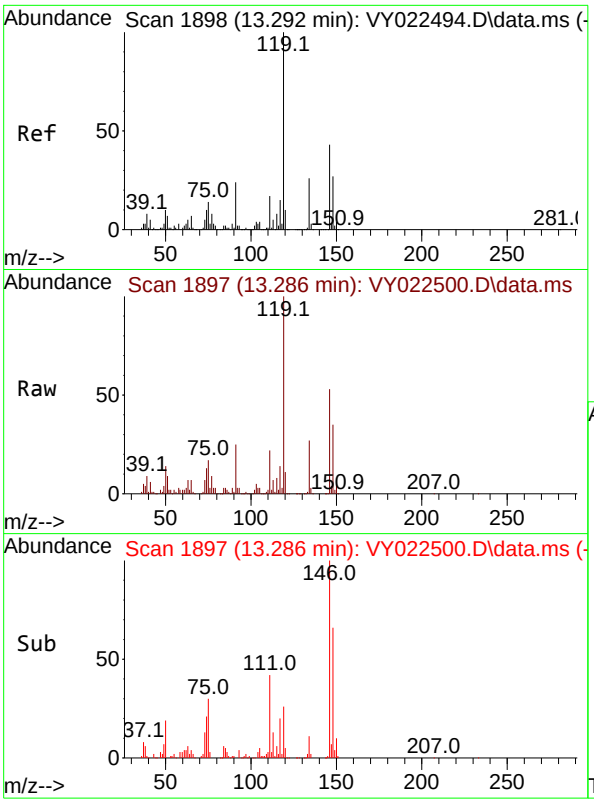


#86
p-Isopropyltoluene
Concen: 19.569 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion:119 Resp: 195572

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.1	39.1
91	23.1	11.6	34.8

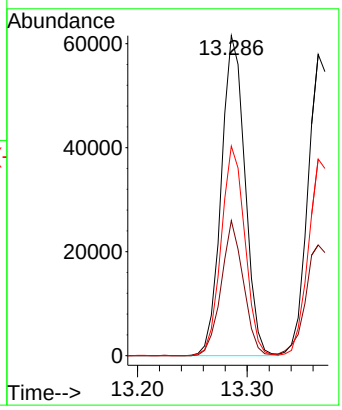




#87
1,3-Dichlorobenzene
Concen: 19.207 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion:146 Resp: 9226

Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.1	60.2
148	65.5	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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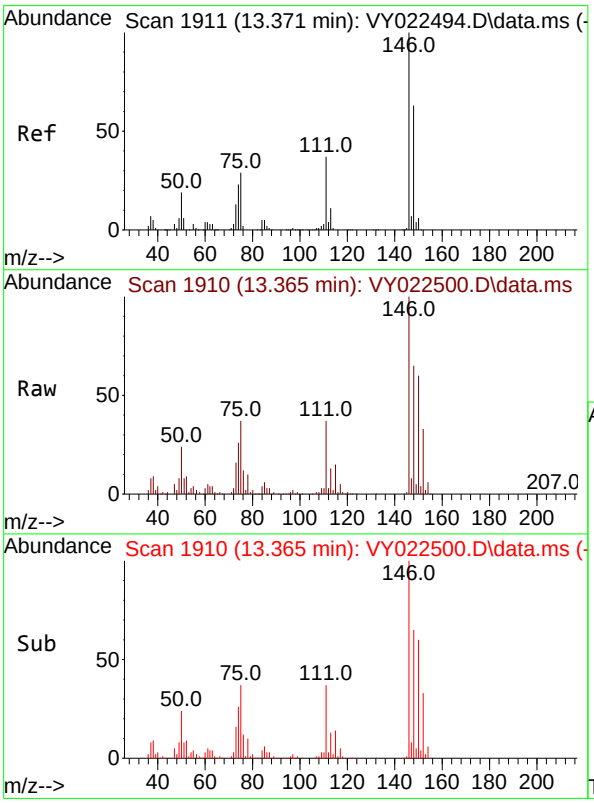
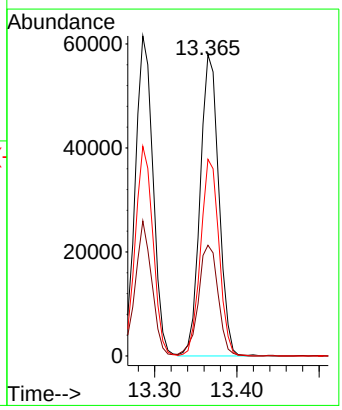
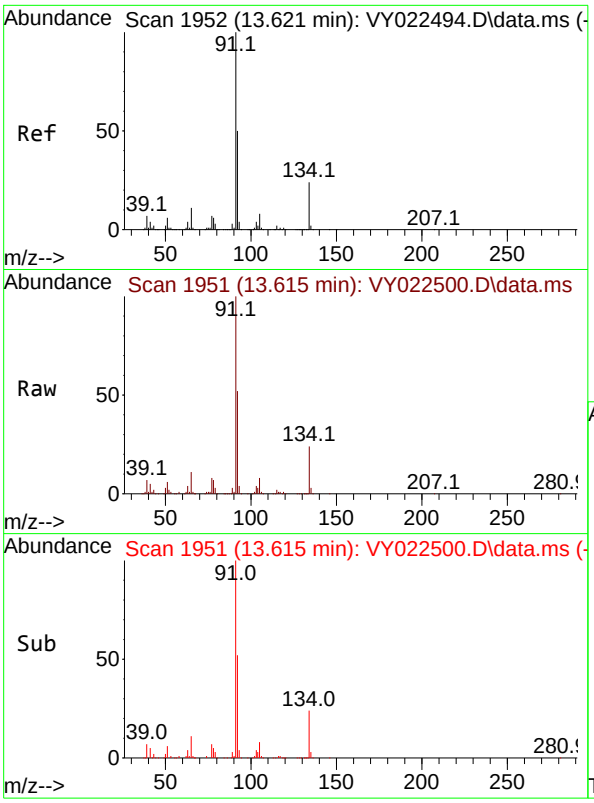


#88
1,4-Dichlorobenzene
Concen: 19.614 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion:146 Resp: 91384

Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.2
148	64.6	31.6	94.8

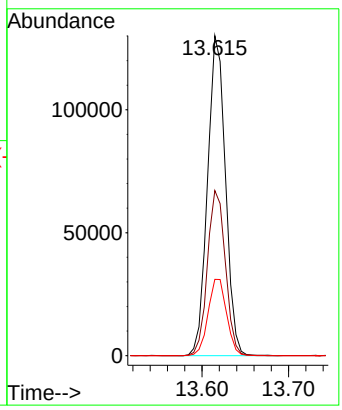




#89
n-Butylbenzene
Concen: 19.733 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 91 Resp: 18710

Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.9	77.8
134	24.8	12.0	36.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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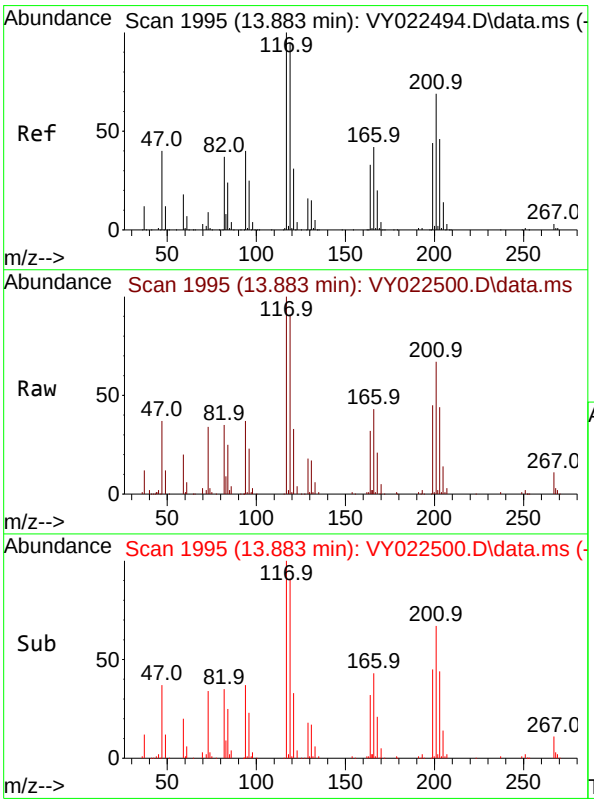
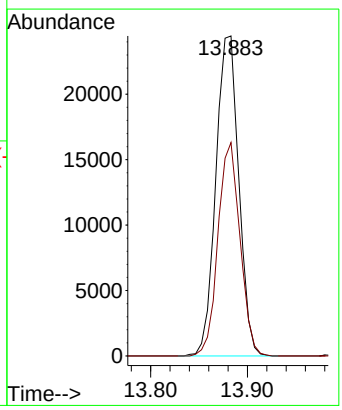
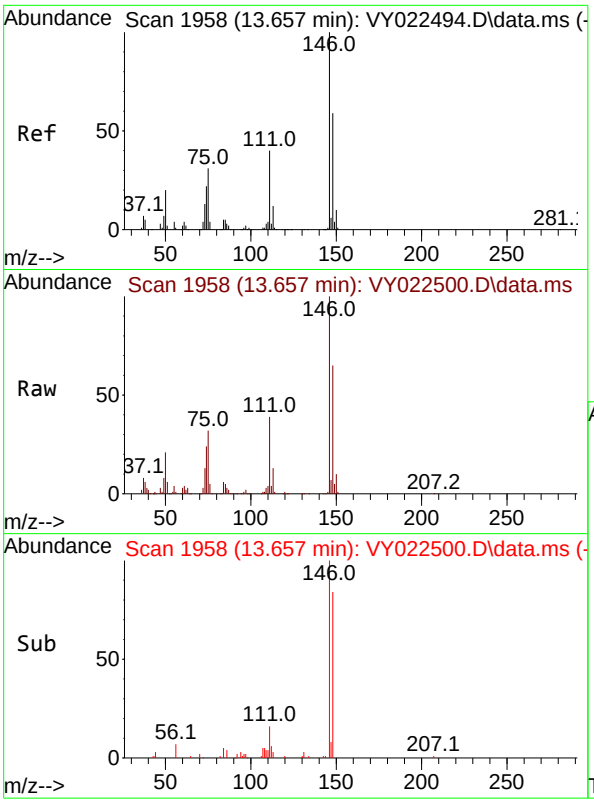


#90
Hexachloroethane
Concen: 20.679 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion:117 Resp: 40235

Ion	Ratio	Lower	Upper
117	100		
201	64.1	34.0	102.0

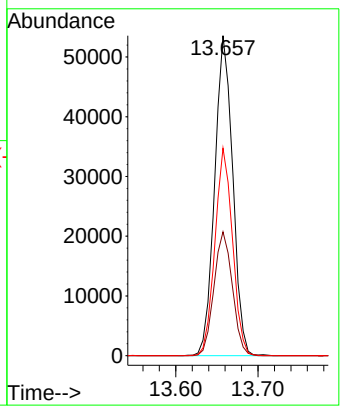




#91
1,2-Dichlorobenzene
Concen: 20.026 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion:146 Resp: 8167

Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.2	60.6
148	63.2	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

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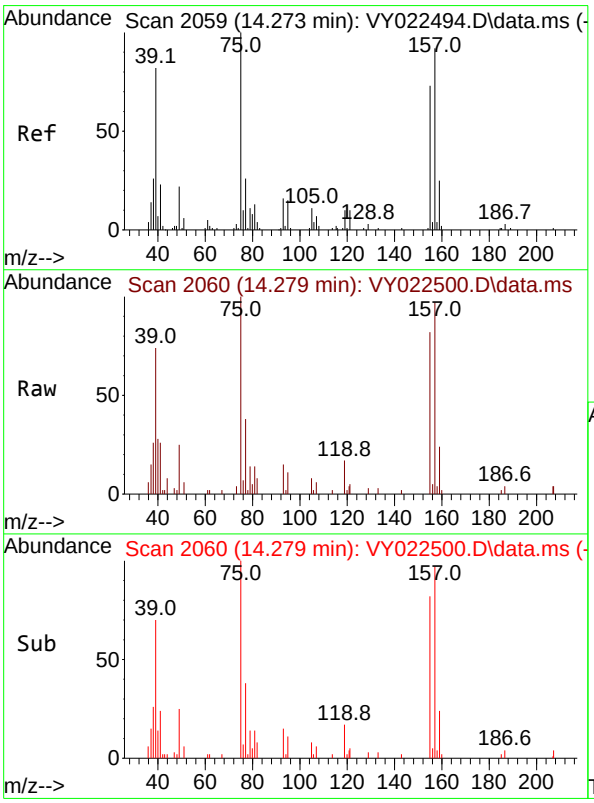
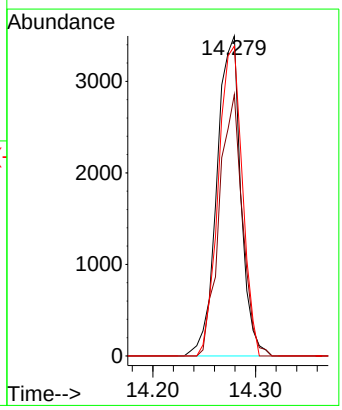
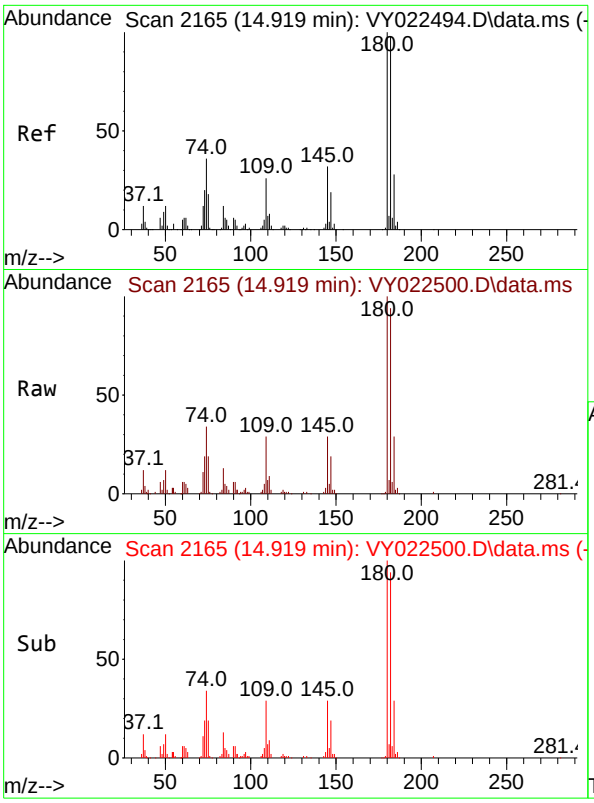


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.993 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion: 75 Resp: 5636

Ion	Ratio	Lower	Upper
75	100		
155	79.3	39.9	119.6
157	97.2	54.0	162.0

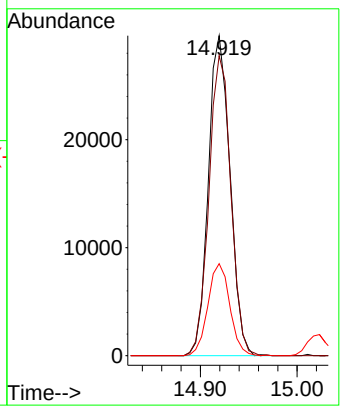




#93
1,2,4-Trichlorobenzene
Concen: 20.717 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion:180 Resp: 4608

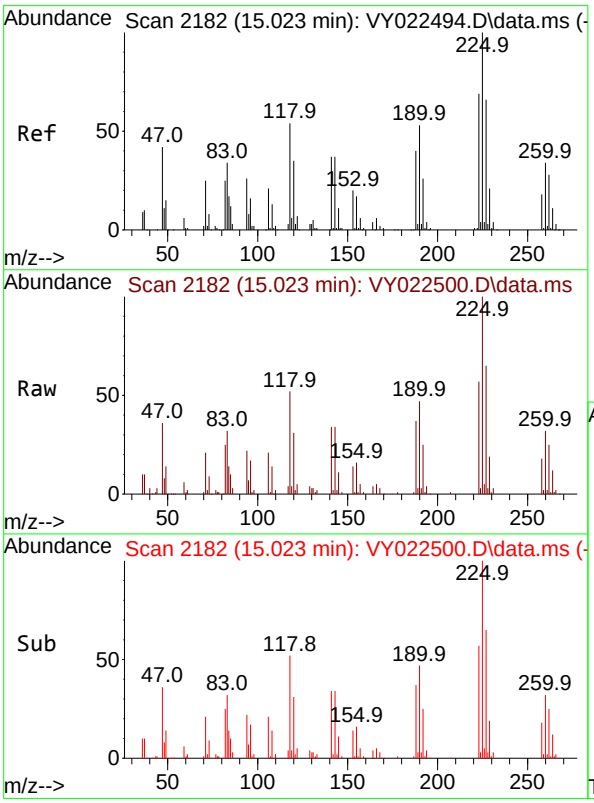
Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.4	145.3
145	29.2	15.5	46.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

Manual Integrations
APPROVED

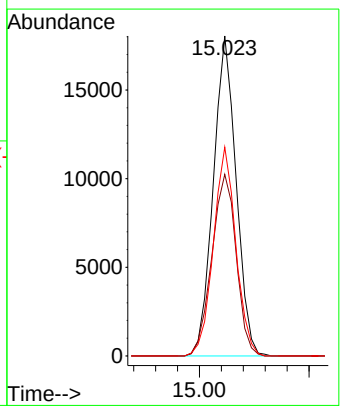
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

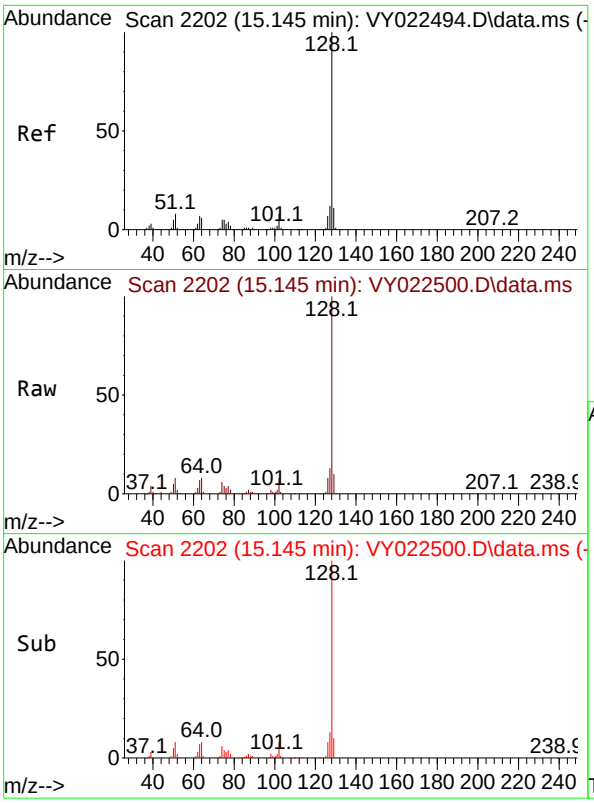


#94
Hexachlorobutadiene
Concen: 21.241 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion:225 Resp: 26078

Ion	Ratio	Lower	Upper
225	100		
223	60.5	32.5	97.4
227	64.4	32.3	96.9

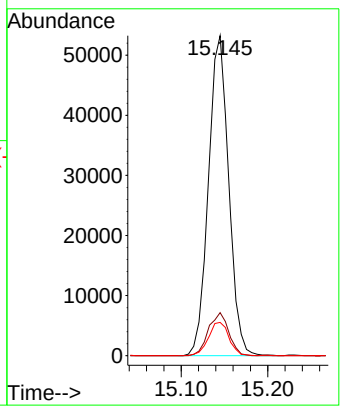




#95
Naphthalene
Concen: 20.273 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion:128 Resp: 8653

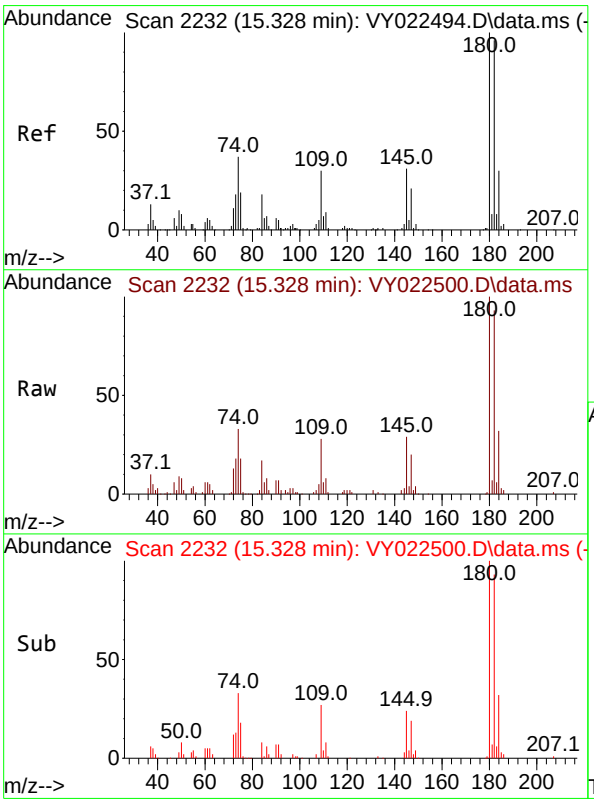
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	10.6	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0602SBS01

Manual Integrations
APPROVED

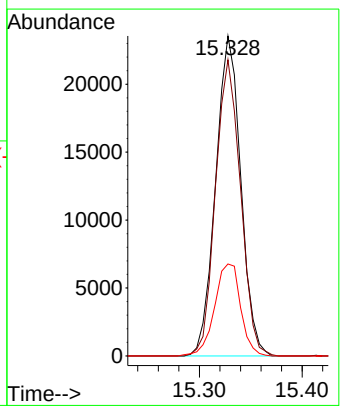
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.981 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022500.D
Acq: 02 Jun 2025 16:24

Tgt Ion:180 Resp: 39996

Ion	Ratio	Lower	Upper
180	100		
182	91.8	47.1	141.3
145	29.8	15.2	45.6



Raw Data: **VY022475.D**

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

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	
Project:	NYC DOT Harper Street Yard North	Date Received:	
Client Sample ID:	VY0530SBSD01	SDG No.:	Q2161
Lab Sample ID:	VY0530SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022475.D	1		05/30/25 13:37	VY053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	22.8		1.10	5.00	ug/Kg
74-87-3	Chloromethane	22.5		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	24.0		0.79	5.00	ug/Kg
74-83-9	Bromomethane	25.9		1.10	5.00	ug/Kg
75-00-3	Chloroethane	26.2		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	25.1		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	22.2		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	22.2		1.00	5.00	ug/Kg
67-64-1	Acetone	120		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	21.5		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	23.1		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	24.2		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	21.9		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.8		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	22.8		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	21.3		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.8		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	22.4		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	22.9		1.20	5.00	ug/Kg
67-66-3	Chloroform	23.4		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	22.2		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.0		0.91	5.00	ug/Kg
71-43-2	Benzene	21.6		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	22.2		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.9		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	22.1		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.5		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		3.60	25.0	ug/Kg
108-88-3	Toluene	21.1		0.78	5.00	ug/Kg

Raw Data: **VY022475.D**

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

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	
Project:	NYC DOT Harper Street Yard North	Date Received:	
Client Sample ID:	VY0530SBSD01	SDG No.:	Q2161
Lab Sample ID:	VY0530SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022475.D	1		05/30/25 13:37	VY053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.2		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.7		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.6		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.8		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.5		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.5		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	21.4		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.6		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.9		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.7		0.82	5.00	ug/Kg
100-42-5	Styrene	20.6		0.71	5.00	ug/Kg
75-25-2	Bromoform	21.1		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.1		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	22.8		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.9		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.3		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.7		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	22.6		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	21.5		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	22.4		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.4		63 - 155	111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	50.5		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		17 - 146	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	193000	7.707			
540-36-3	1,4-Difluorobenzene	341000	8.615			
3114-55-4	Chlorobenzene-d5	286000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	129000	13.346			

Raw Data: **VY022475.D**

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

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	
Project:	NYC DOT Harper Street Yard North	Date Received:	
Client Sample ID:	VY0530SBSD01	SDG No.:	Q2161
Lab Sample ID:	VY0530SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022475.D	1		05/30/25 13:37	VY053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
Data File : VY022475.D
Acq On : 30 May 2025 13:37
Operator : SY/MD
Sample : VY0530SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 31 02:26:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	192865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	341345	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	286239	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	129296	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	112494	55.376	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.760%			
35) Dibromofluoromethane	7.634	113	101870	50.960	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.920%			
50) Toluene-d8	10.109	98	411336	50.476	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.960%			
62) 4-Bromofluorobenzene	12.407	95	119420	48.447	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	41913	22.778	ug/l	100
3) Chloromethane	2.068	50	101758	22.482	ug/l	100
4) Vinyl Chloride	2.202	62	132171	24.038	ug/l	98
5) Bromomethane	2.592	94	129230	25.863	ug/l	96
6) Chloroethane	2.732	64	94210	26.220	ug/l	95
7) Trichlorofluoromethane	3.049	101	116591	25.132	ug/l	96
8) Diethyl Ether	3.452	74	25565	23.899	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.811	101	45228	22.222	ug/l	98
10) Methyl Iodide	4.007	142	48911	21.301	ug/l	99
11) Tert butyl alcohol	4.866	59	16440	114.811	ug/l	98
12) 1,1-Dichloroethene	3.787	96	44855	22.198	ug/l	97
13) Acrolein	3.647	56	19079	88.924	ug/l	95
14) Allyl chloride	4.384	41	68247	22.452	ug/l	98
15) Acrylonitrile	5.055	53	50290	116.636	ug/l	98
16) Acetone	3.872	43	38985	116.785	ug/l #	82
17) Carbon Disulfide	4.104	76	138519	21.481	ug/l	97
18) Methyl Acetate	4.391	43	30242	24.185	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	124020	23.118	ug/l	96
20) Methylene Chloride	4.616	84	51532	21.861	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	48010	21.763	ug/l	95
22) Diisopropyl ether	6.018	45	154900	23.090	ug/l	98
23) Vinyl Acetate	5.957	43	438371	113.806	ug/l	100
24) 1,1-Dichloroethane	5.915	63	90316	22.784	ug/l	99
25) 2-Butanone	6.896	43	63344	113.939	ug/l	97
26) 2,2-Dichloropropane	6.884	77	72791	20.279	ug/l	97
27) cis-1,2-Dichloroethene	6.890	96	57133	22.371	ug/l	100
28) Bromochloromethane	7.244	49	37950	22.926	ug/l	97
29) Tetrahydrofuran	7.262	42	42492	114.604	ug/l	99
30) Chloroform	7.421	83	91451	23.412	ug/l	98
31) Cyclohexane	7.695	56	83402	21.344	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	78657	22.188	ug/l	97
36) 1,1-Dichloropropene	7.835	75	65541	20.662	ug/l	99
37) Ethyl Acetate	6.982	43	31394	23.287	ug/l	99
38) Carbon Tetrachloride	7.817	117	68840	20.833	ug/l	96
39) Methylcyclohexane	9.109	83	84194	19.967	ug/l	99
40) Benzene	8.079	78	204274	21.642	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
Data File : VY022475.D
Acq On : 30 May 2025 13:37
Operator : SY/MD
Sample : VY0530SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 31 02:26:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	17827	21.788	ug/l		92
42) 1,2-Dichloroethane	8.158	62	55429	22.235	ug/l		100
43) Isopropyl Acetate	8.195	43	63655	21.608	ug/l	#	87
44) Trichloroethene	8.865	130	48848	20.935	ug/l		96
45) 1,2-Dichloropropane	9.140	63	49095	22.138	ug/l		100
46) Dibromomethane	9.231	93	27085	21.863	ug/l		99
47) Bromodichloromethane	9.420	83	68363	21.459	ug/l		99
48) Methyl methacrylate	9.219	41	29313	21.436	ug/l		99
49) 1,4-Dioxane	9.231	88	6107	446.301	ug/l		96
51) 4-Methyl-2-Pentanone	9.999	43	158464	109.023	ug/l		98
52) Toluene	10.170	92	124518	21.121	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	59934	20.197	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	72299	20.735	ug/l		97
55) 1,1,2-Trichloroethane	10.572	97	33847	21.609	ug/l		97
56) Ethyl methacrylate	10.438	69	48106	21.402	ug/l		97
57) 1,3-Dichloropropane	10.713	76	59841	21.679	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	114668	102.360	ug/l		97
59) 2-Hexanone	10.761	43	103386	108.537	ug/l		99
60) Dibromochloromethane	10.908	129	41620	20.801	ug/l		97
61) 1,2-Dibromoethane	11.011	107	30765	21.475	ug/l		95
64) Tetrachloroethene	10.646	164	50033	20.524	ug/l		95
65) Chlorobenzene	11.438	112	130710	21.416	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.511	131	43433	21.003	ug/l		98
67) Ethyl Benzene	11.517	91	233369	20.592	ug/l		99
68) m/p-Xylenes	11.627	106	175815	40.918	ug/l		99
69) o-Xylene	11.956	106	83473	20.671	ug/l		100
70) Styrene	11.968	104	138213	20.555	ug/l		99
71) Bromoform	12.133	173	22879	21.122	ug/l	#	100
73) Isopropylbenzene	12.255	105	214979	21.126	ug/l		100
74) N-amyl acetate	12.066	43	54359	21.831	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	36547	22.795	ug/l		100
76) 1,2,3-Trichloropropane	12.560	75	26916m	20.783	ug/l		
77) Bromobenzene	12.529	156	46660	21.307	ug/l		96
78) n-propylbenzene	12.596	91	258848	21.196	ug/l		99
79) 2-Chlorotoluene	12.682	91	140123	21.197	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	168562	21.200	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	11579	20.219	ug/l		94
82) 4-Chlorotoluene	12.779	91	143318	21.050	ug/l		99
83) tert-Butylbenzene	12.999	119	153276	21.337	ug/l		100
84) 1,2,4-Trimethylbenzene	13.041	105	167123	20.887	ug/l		99
85) sec-Butylbenzene	13.176	105	227335	21.339	ug/l		99
86) p-Isopropyltoluene	13.291	119	183805	20.661	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	91908	20.859	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	89674	21.285	ug/l		98
89) n-Butylbenzene	13.615	91	178440	21.392	ug/l		99
90) Hexachloroethane	13.877	117	37771	21.335	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	79820	21.689	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5590	22.564	ug/l		93
93) 1,2,4-Trichlorobenzene	14.919	180	43765	21.451	ug/l		97
94) Hexachlorobutadiene	15.023	225	23775	22.204	ug/l		95
95) Naphthalene	15.145	128	83556	22.153	ug/l		98
96) 1,2,3-Trichlorobenzene	15.328	180	37490	22.405	ug/l		98

Sample Results: **VY022475.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
Data File : VY022475.D
Acq On : 30 May 2025 13:37
Operator : SY/MD
Sample : VY0530SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

Quant Time: May 31 02:26:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 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_Y\Data\VY053025\
Data File : VY022475.D
Acq On : 30 May 2025 13:37
Operator : SY/MD
Sample : VY0530SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 31 02:26:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/02/2025
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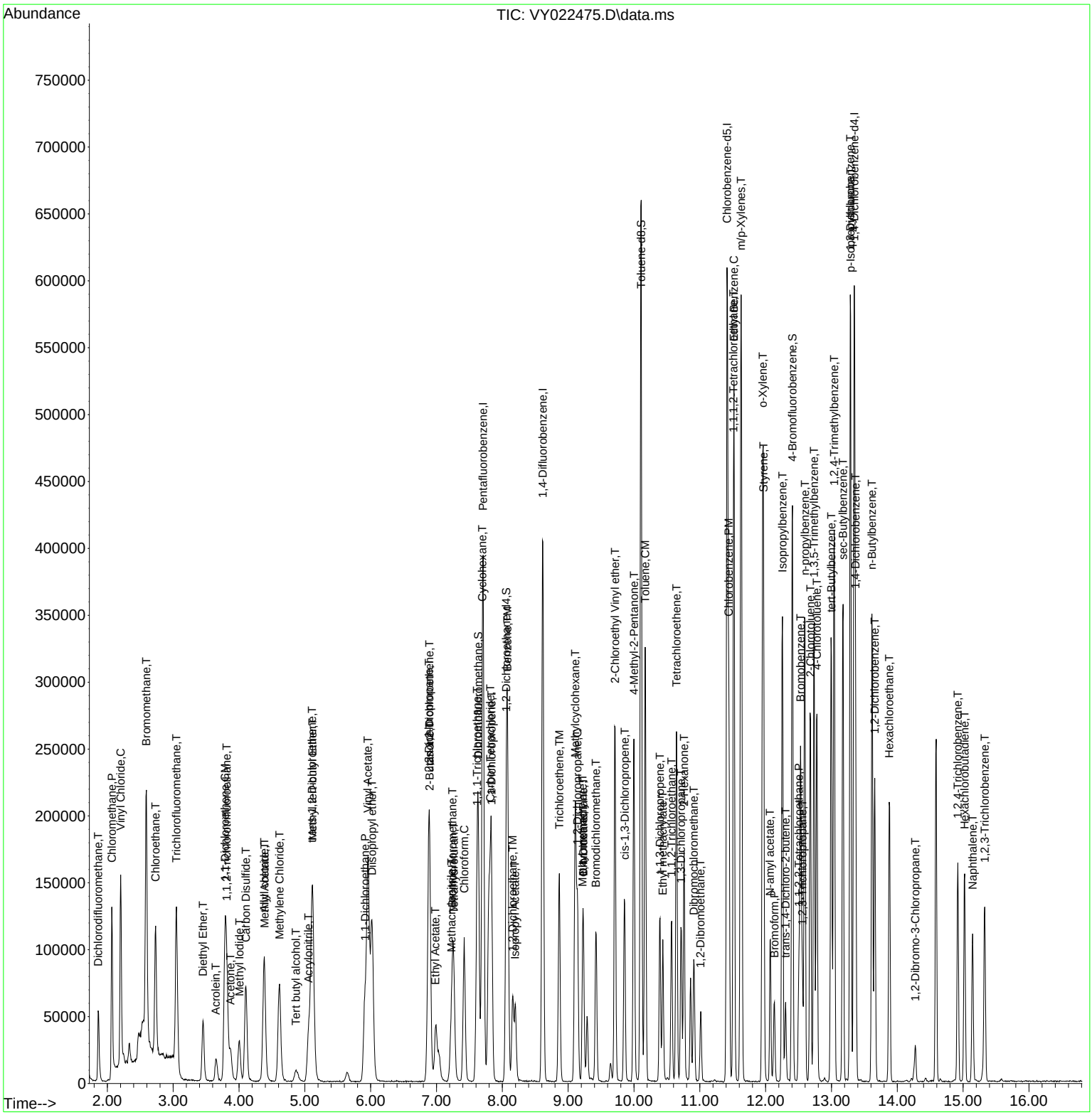
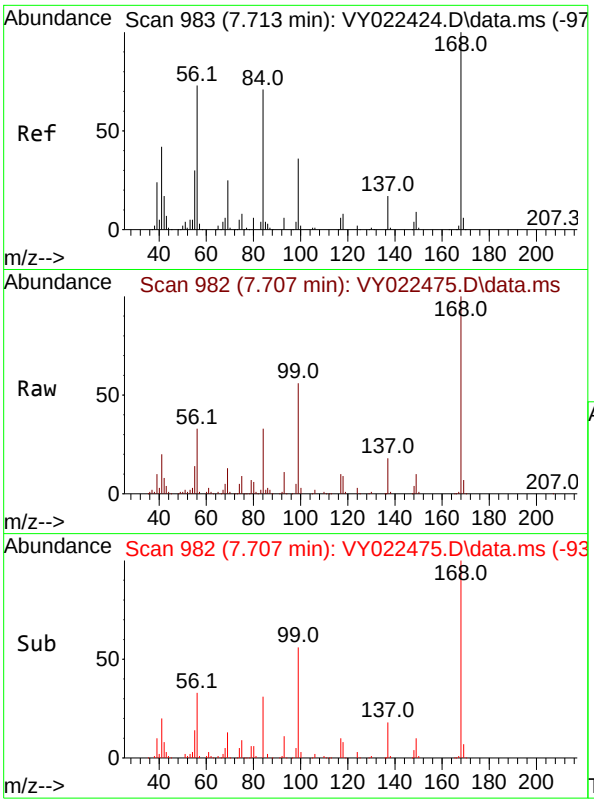
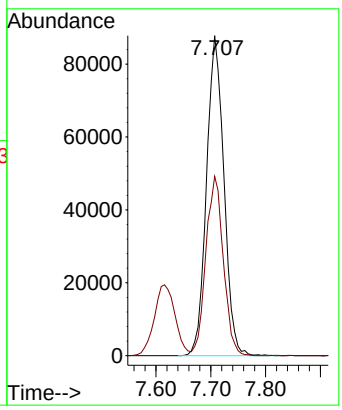




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion:168 Resp: 19286

Ion	Ratio	Lower	Upper
168	100		
99	55.9	44.7	67.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

Manual Integrations
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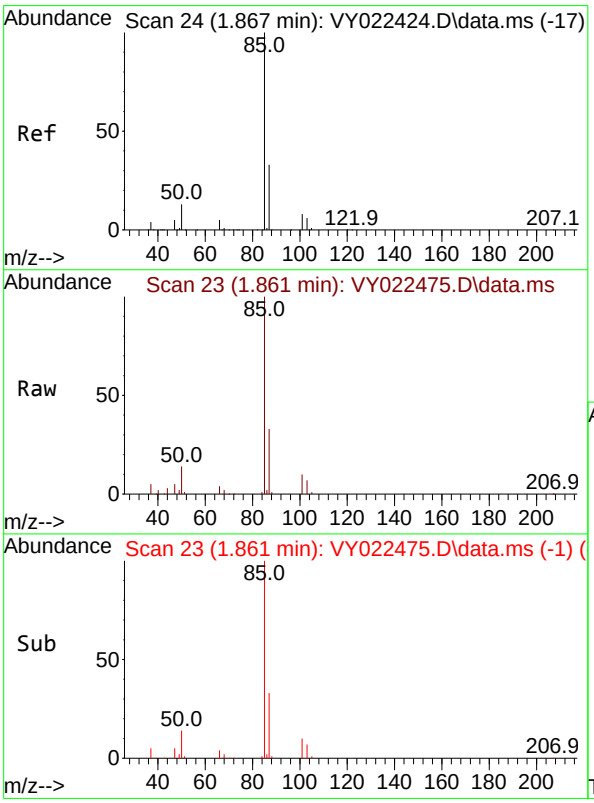
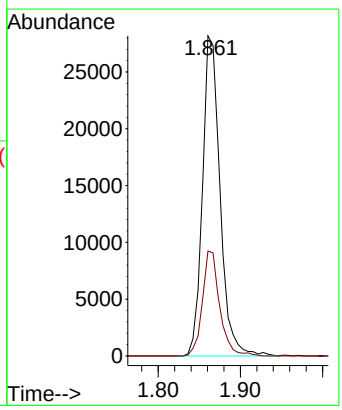
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

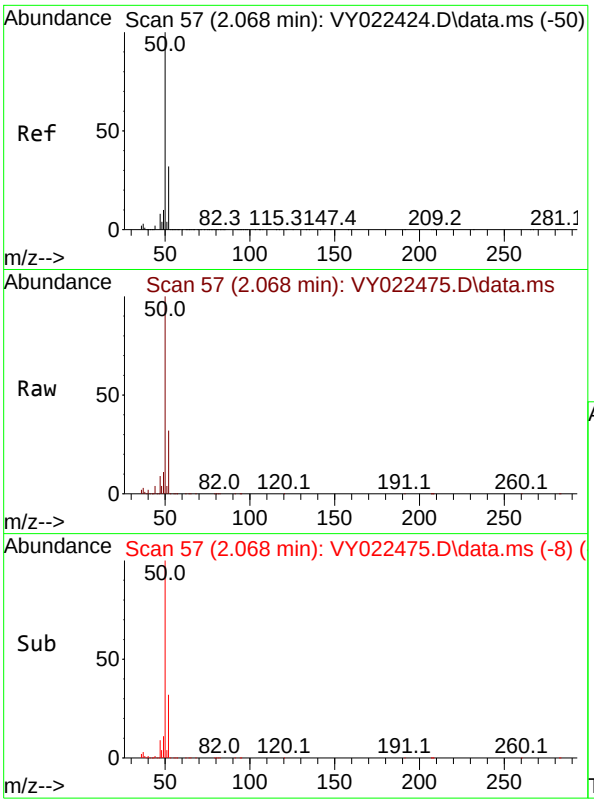


#2
Dichlorodifluoromethane
Concen: 22.778 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 85 Resp: 41913

Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.4	49.2





#3
Chloromethane
Concen: 22.482 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 50 Resp: 10175

Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.5	38.3

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

Manual Integrations
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Reviewed By :John Carlone 06/02/2025
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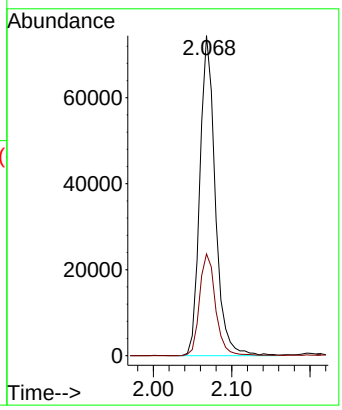
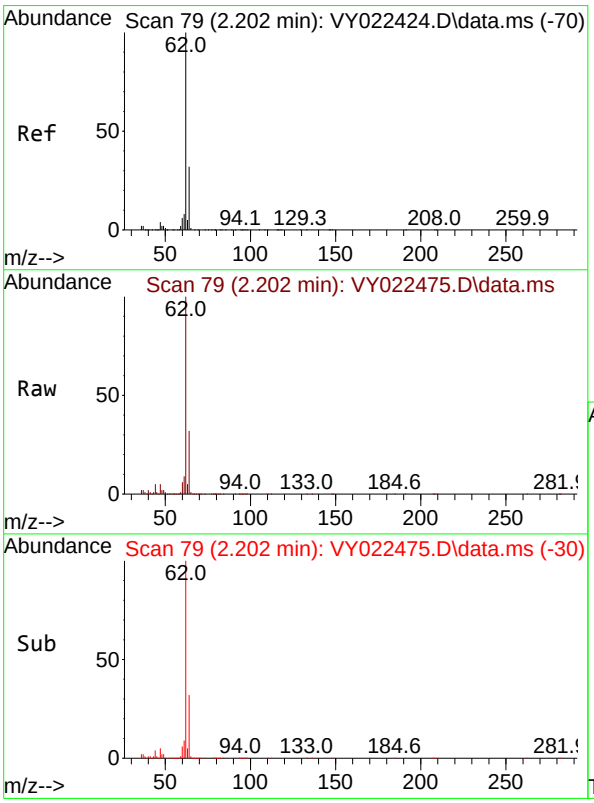
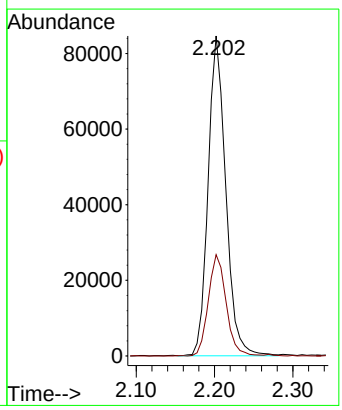


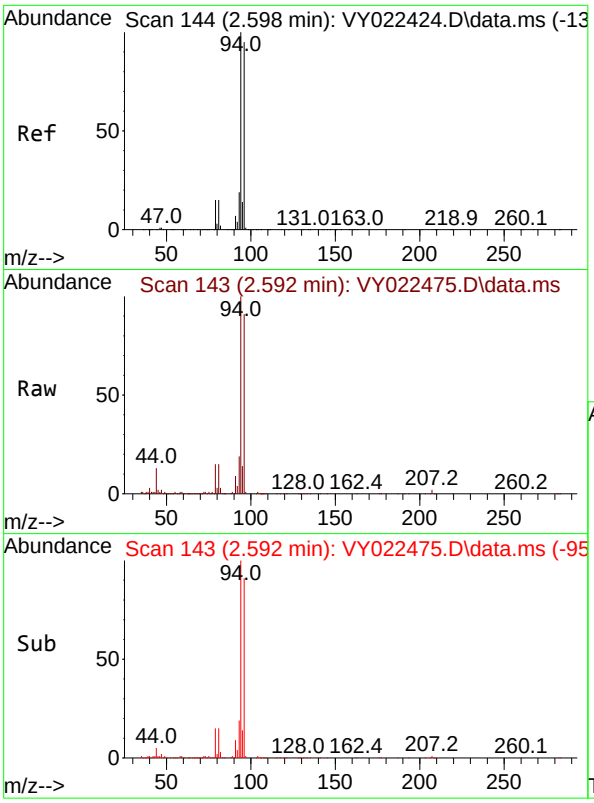


#4
Vinyl Chloride
Concen: 24.038 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 62 Resp: 132171

Ion	Ratio	Lower	Upper
62	100		
64	31.6	26.0	39.0





#5
Bromomethane
Concen: 25.863 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

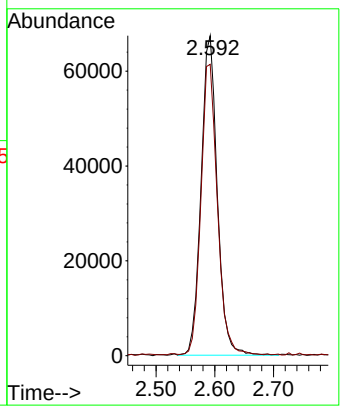
Tgt Ion: 94 Resp: 12923

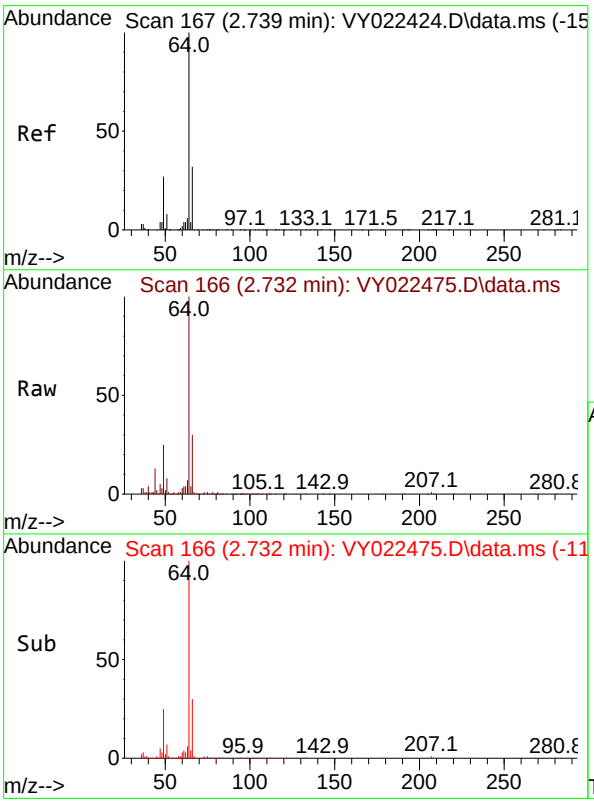
Ion	Ratio	Lower	Upper
94	100		
96	90.8	76.0	114.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

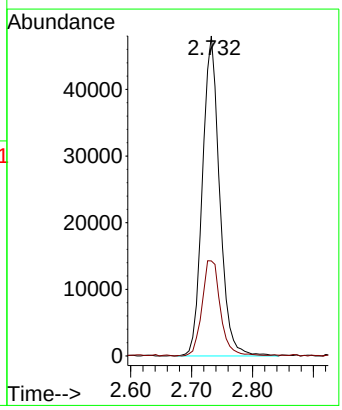


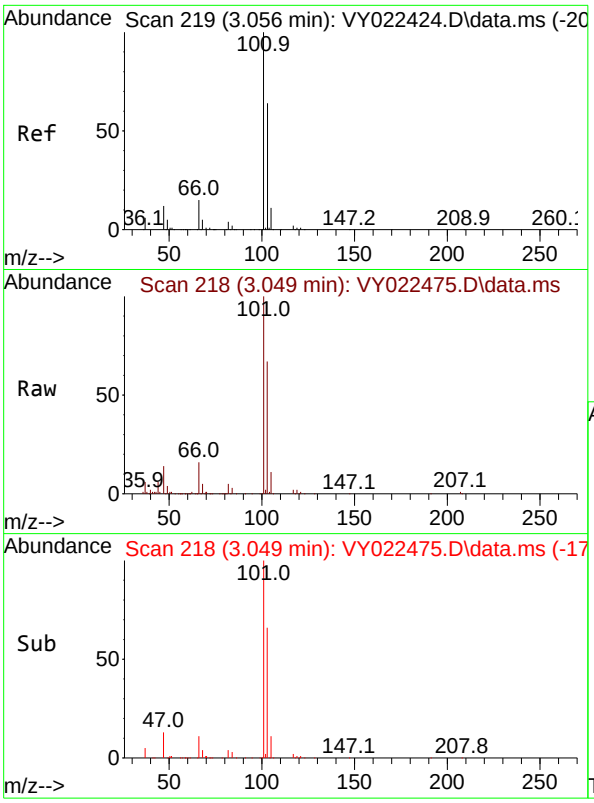


#6
Chloroethane
Concen: 26.220 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 64 Resp: 94210

Ion	Ratio	Lower	Upper
64	100		
66	29.6	25.9	38.9

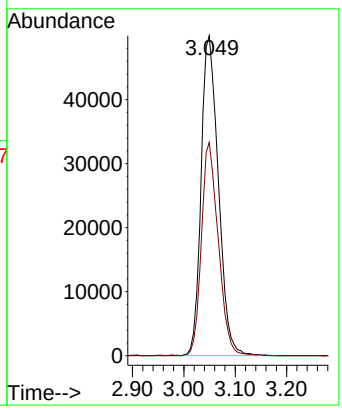




#7
Trichlorofluoromethane
Concen: 25.132 ug/l
RT: 3.049 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion:101 Resp: 11659

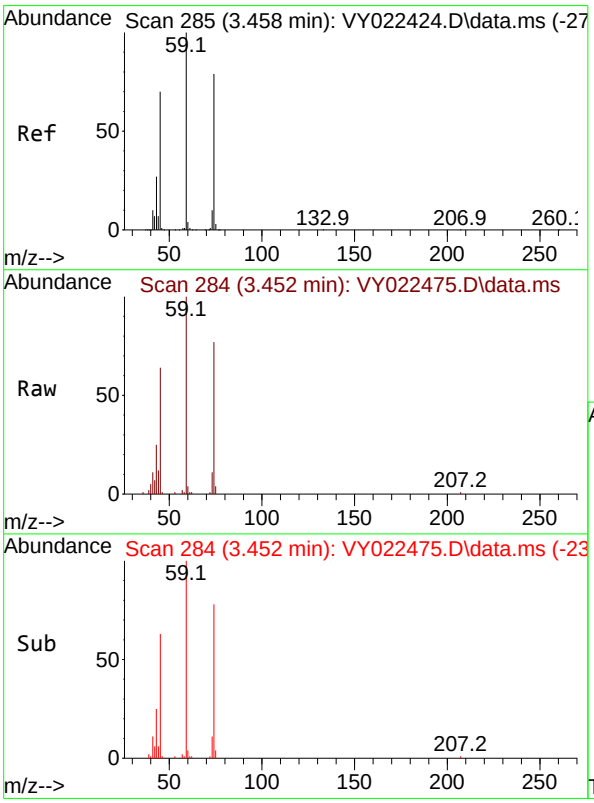
Ion	Ratio	Lower	Upper
101	100		
103	66.7	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

Manual Integrations
APPROVED

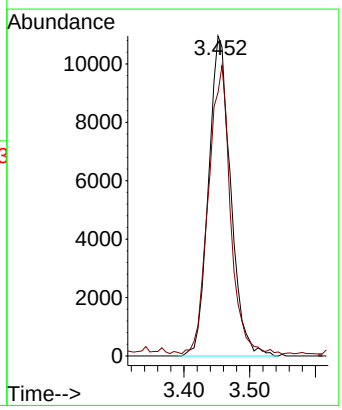
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

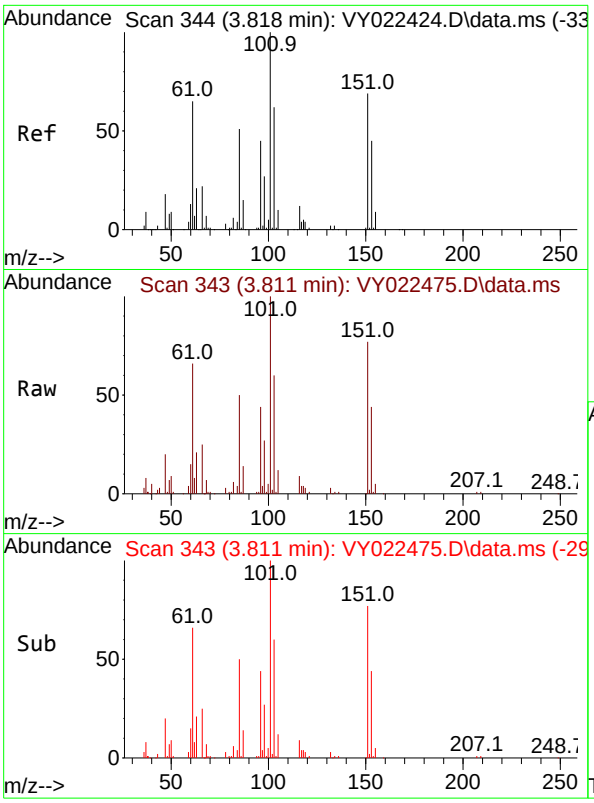


#8
Diethyl Ether
Concen: 23.899 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 74 Resp: 25565

Ion	Ratio	Lower	Upper
74	100		
45	89.3	44.9	134.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.222 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

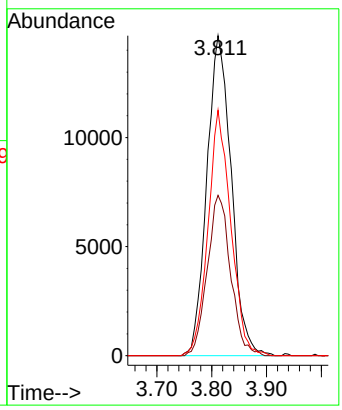
Tgt Ion:101 Resp: 4522

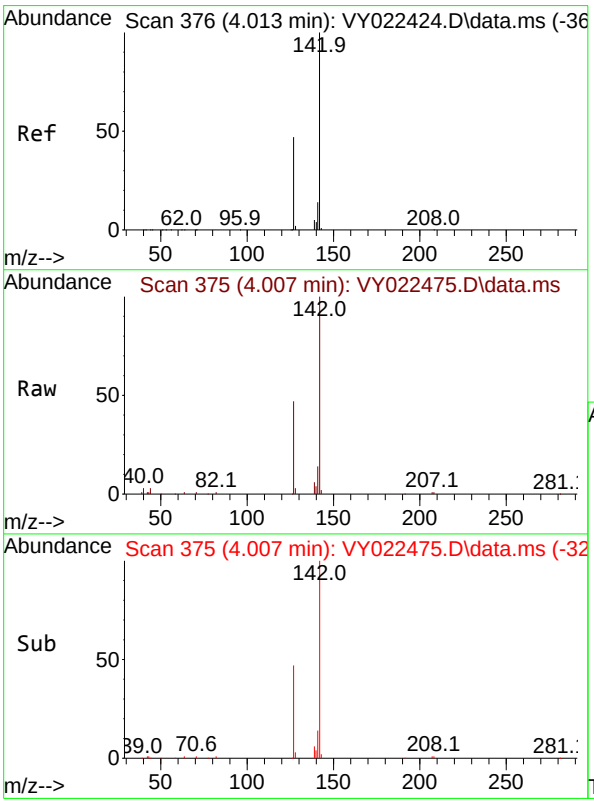
Ion	Ratio	Lower	Upper
101	100		
85	48.0	39.2	58.8
151	71.9	58.8	88.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

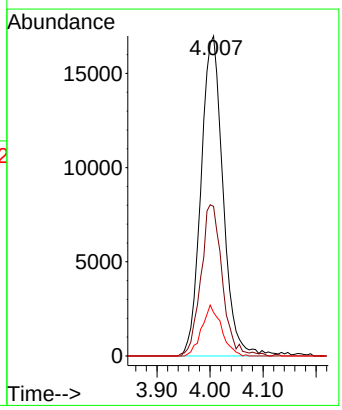


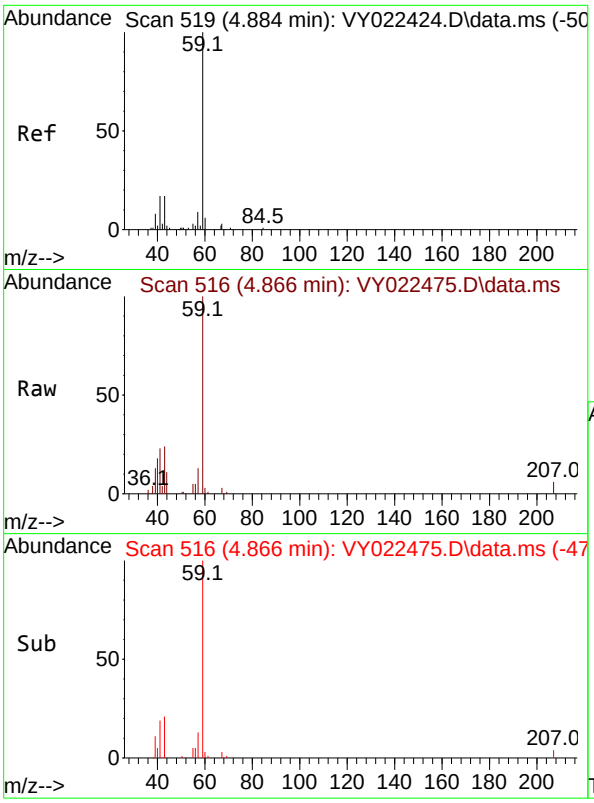


#10
Methyl Iodide
Concen: 21.301 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion:142 Resp: 48911

Ion	Ratio	Lower	Upper
142	100		
127	46.2	36.2	54.4
141	14.2	11.6	17.4





#11
Tert butyl alcohol
Concen: 114.811 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.018 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 59 Resp: 1644

Ion	Ratio	Lower	Upper
59	100		
57	10.8	9.1	13.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/02/2025
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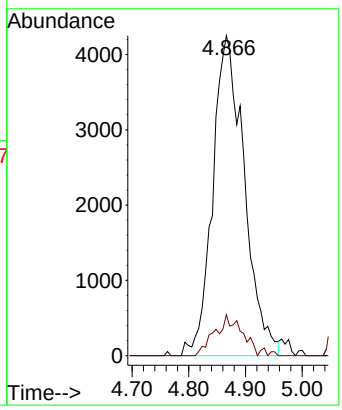
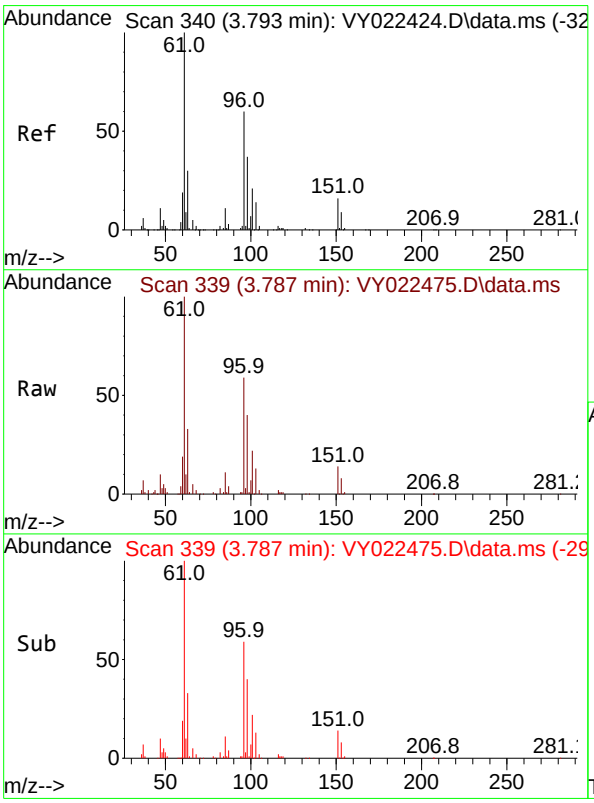
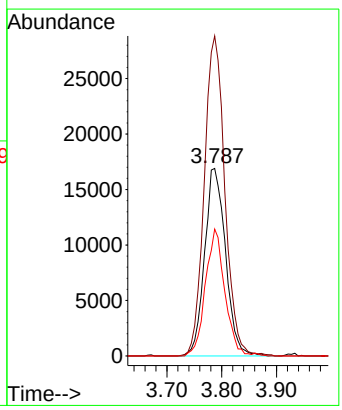


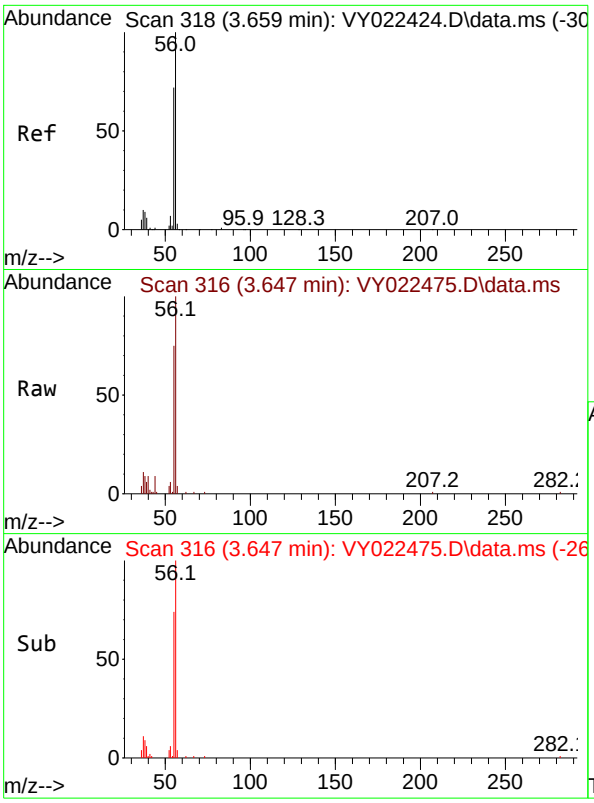


#12
1,1-Dichloroethene
Concen: 22.198 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 96 Resp: 44855

Ion	Ratio	Lower	Upper
96	100		
61	170.6	134.1	201.1
98	67.6	50.2	75.2

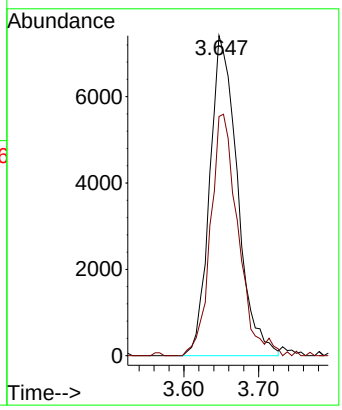




#13
Acrolein
Concen: 88.924 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 56 Resp: 1907

Ion	Ratio	Lower	Upper
56	100		
55	75.0	56.5	84.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

Manual Integrations
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Reviewed By :John Carlone 06/02/2025
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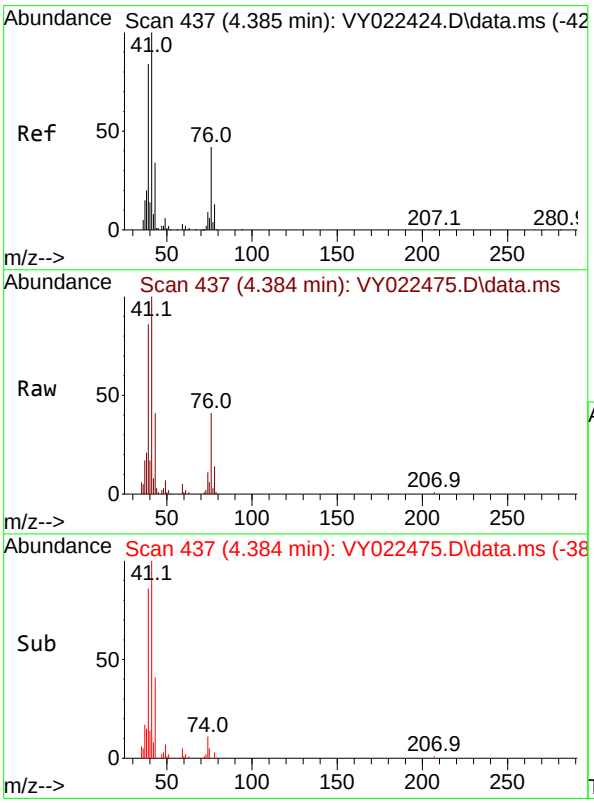
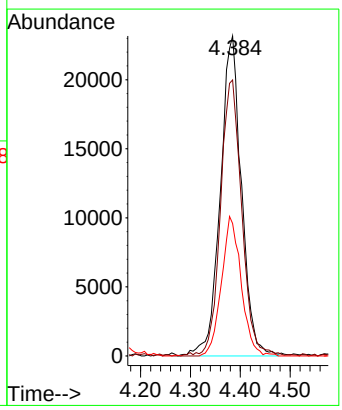
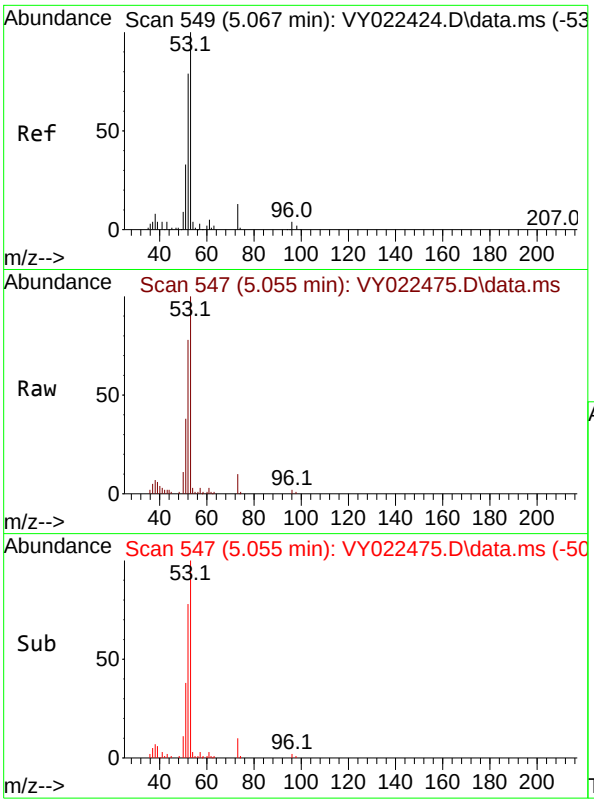


#14
Allyl chloride
Concen: 22.452 ug/l
RT: 4.384 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 41 Resp: 68247

Ion	Ratio	Lower	Upper
41	100		
39	85.1	66.6	100.0
76	40.7	33.7	50.5





#15
Acrylonitrile
Concen: 116.636 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.012 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 53 Resp: 5029

Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.1	97.7
51	39.0	30.0	45.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

Manual Integrations
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Reviewed By :John Carlone 06/02/2025
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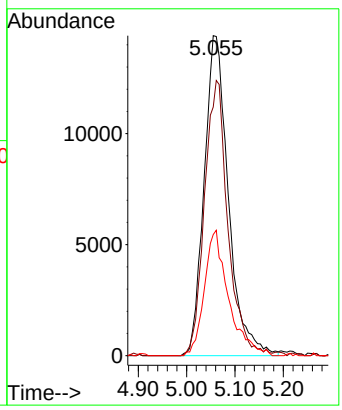
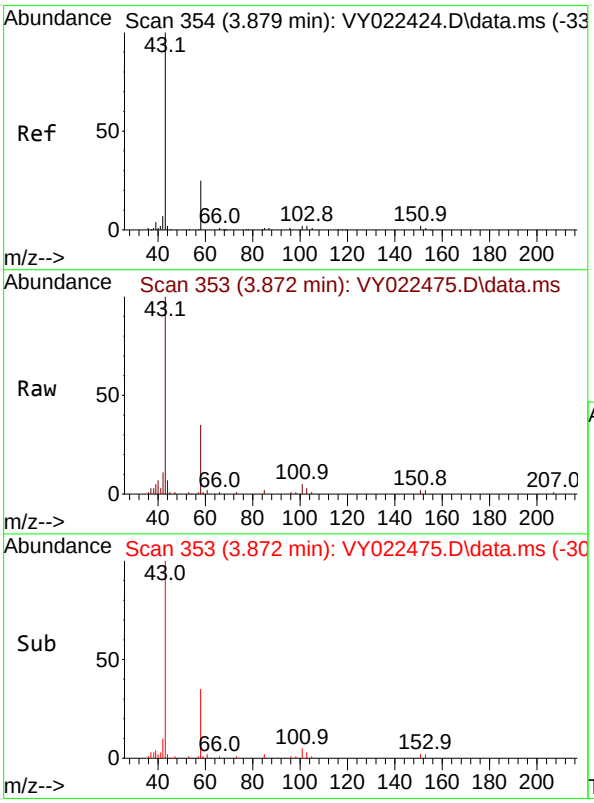
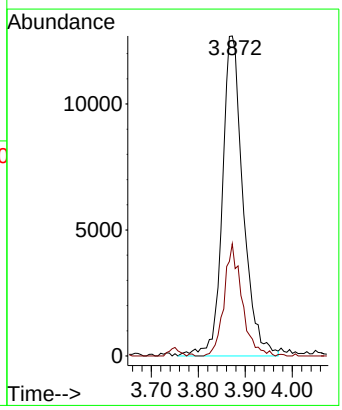


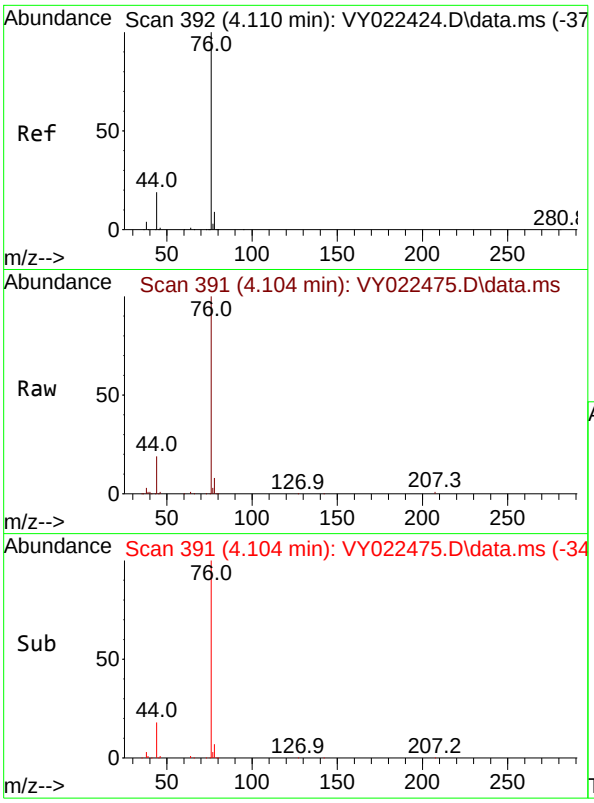


#16
Acetone
Concen: 116.785 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 43 Resp: 38985

Ion	Ratio	Lower	Upper
43	100		
58	34.6	20.6	30.8#





#17
Carbon Disulfide
Concen: 21.481 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 76 Resp: 13851

Ion	Ratio	Lower	Upper
76	100		
78	7.9	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

Manual Integrations
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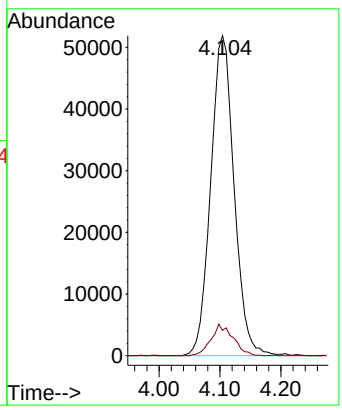
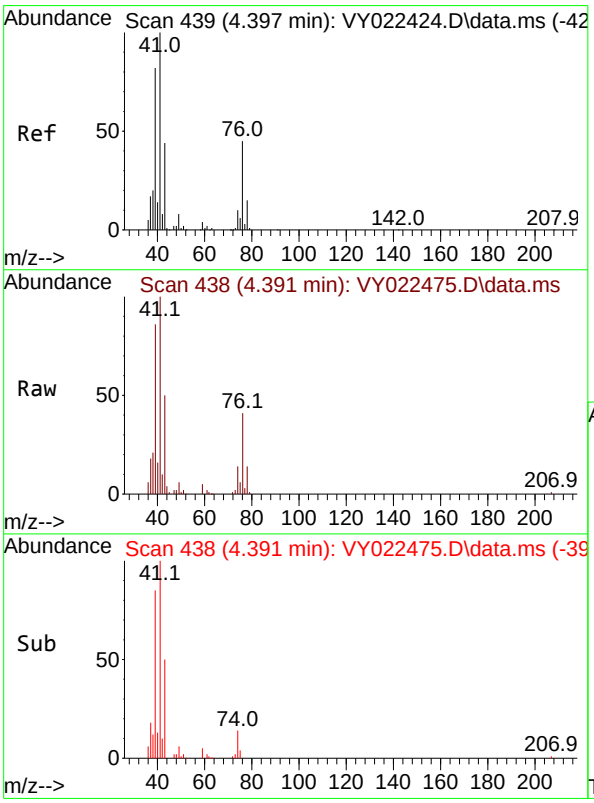
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

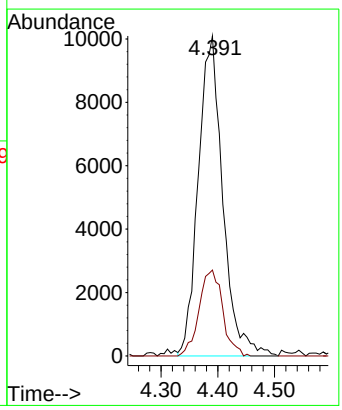


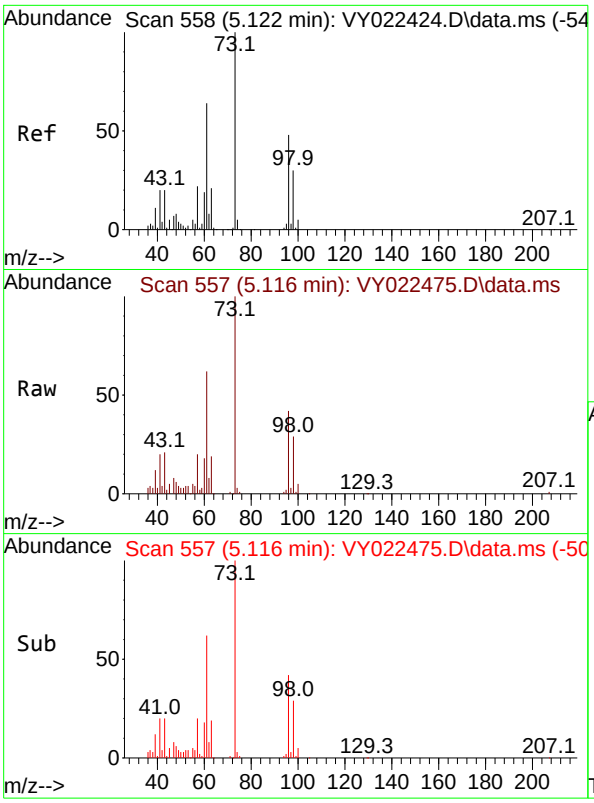


#18
Methyl Acetate
Concen: 24.185 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 43 Resp: 30242

Ion	Ratio	Lower	Upper
43	100		
74	25.8	21.2	31.8





#19
Methyl tert-butyl Ether
Concen: 23.118 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 73 Resp: 12402

Ion	Ratio	Lower	Upper
73	100		
57	20.2	17.7	26.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

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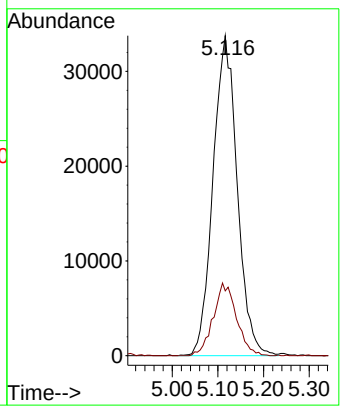
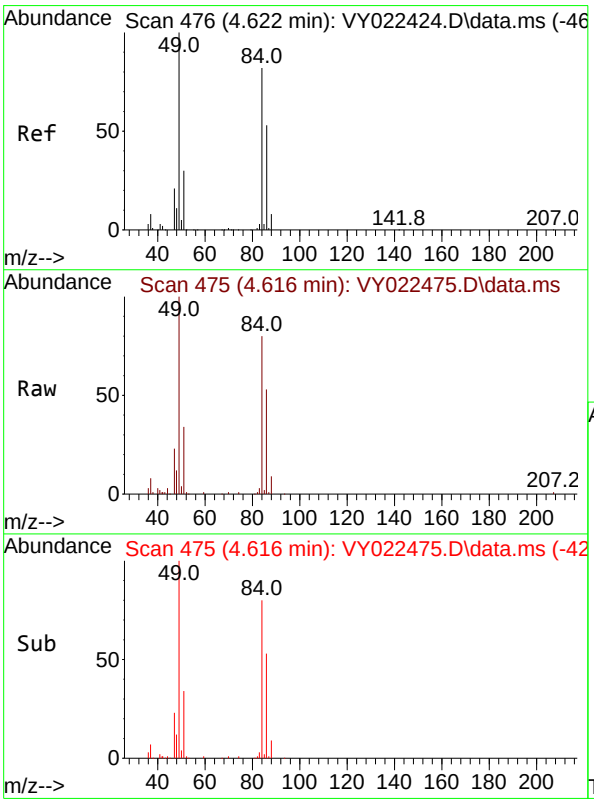
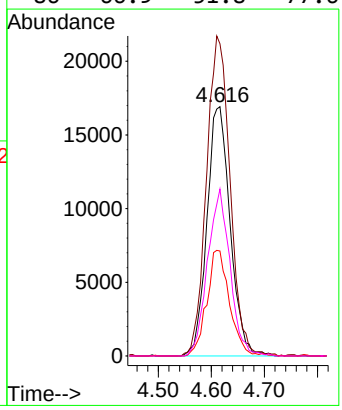


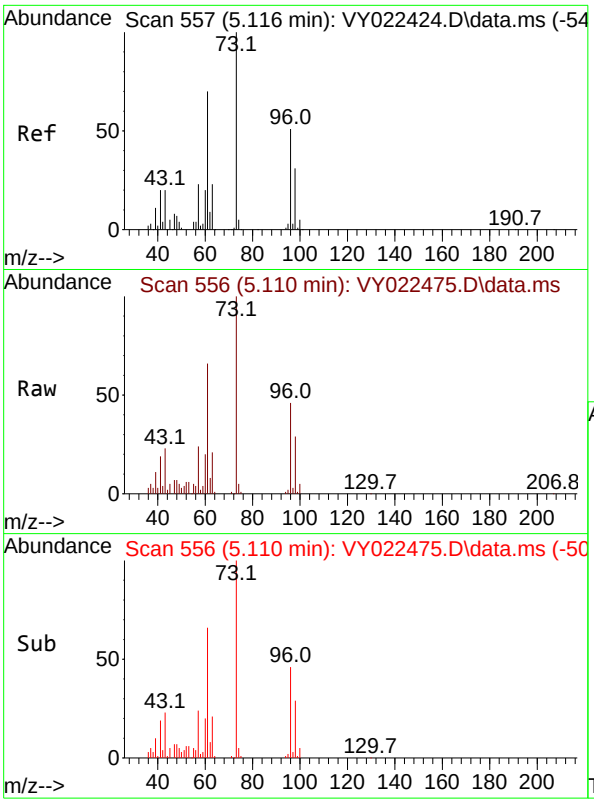


#20
Methylene Chloride
Concen: 21.861 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 84 Resp: 51532

Ion	Ratio	Lower	Upper
84	100		
49	125.2	97.8	146.8
51	42.1	29.5	44.3
86	66.9	51.8	77.6

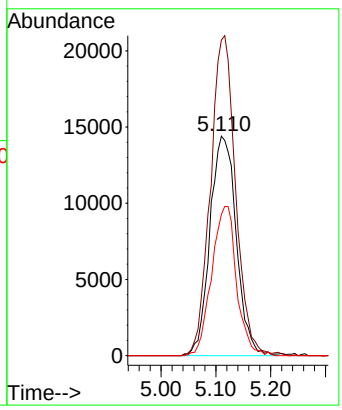




#21
trans-1,2-Dichloroethene
Concen: 21.763 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 96 Resp: 4801

Ion	Ratio	Lower	Upper
96	100		
61	143.8	110.4	165.6
98	64.3	48.6	73.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

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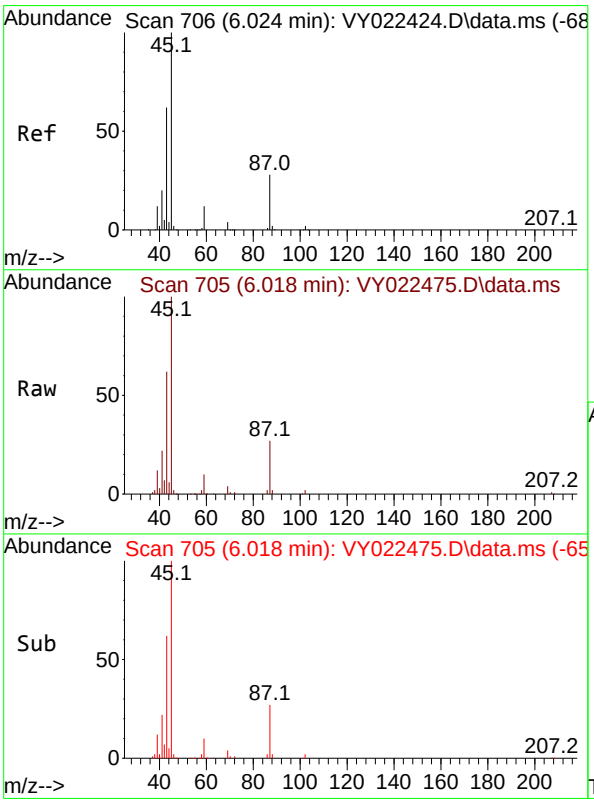
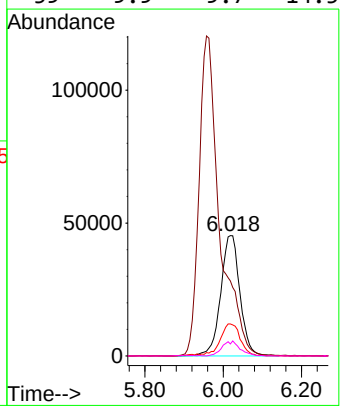
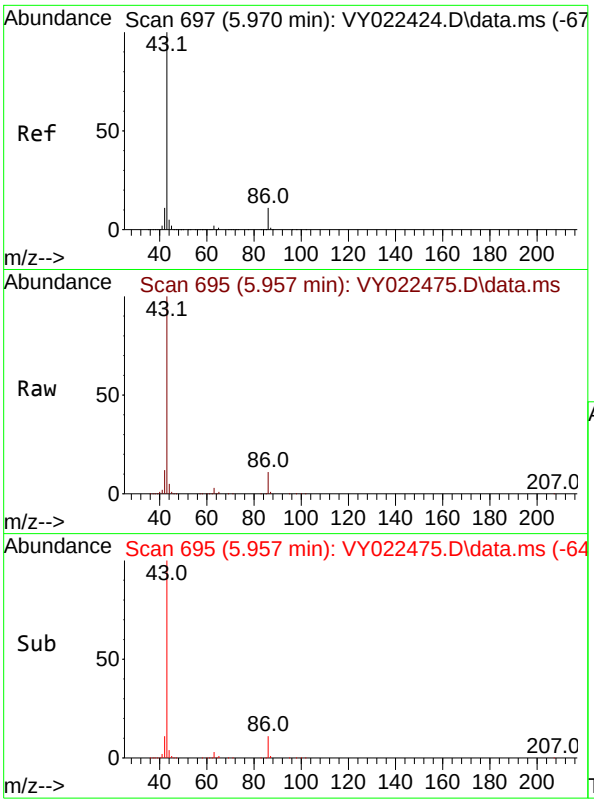


#22
Diisopropyl ether
Concen: 23.090 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 45 Resp: 154900

Ion	Ratio	Lower	Upper
45	100		
43	62.1	49.8	74.8
87	26.5	23.0	34.6
59	9.9	9.7	14.5

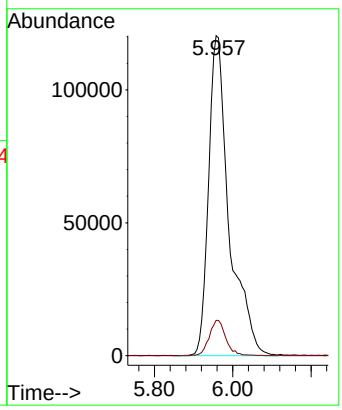




#23
Vinyl Acetate
Concen: 113.806 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.012 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 43 Resp: 43837

Ion	Ratio	Lower	Upper
43	100		
86	11.0	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
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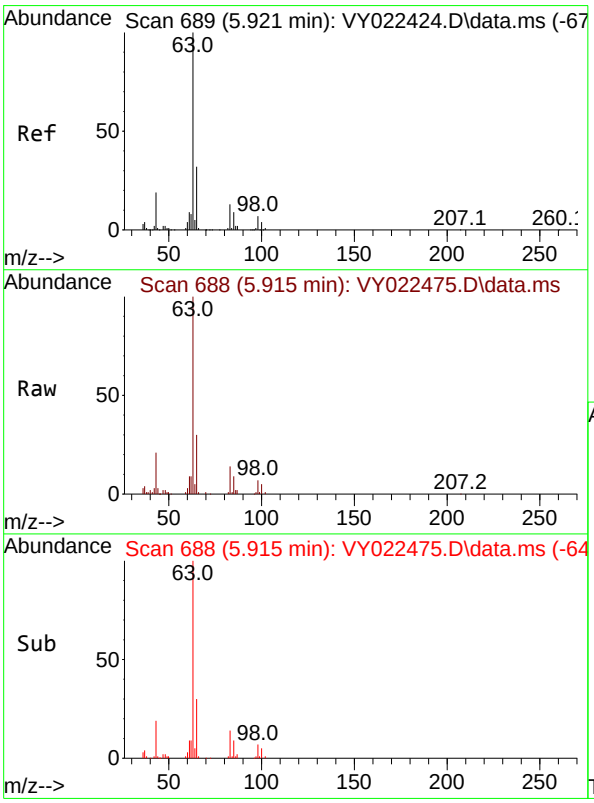
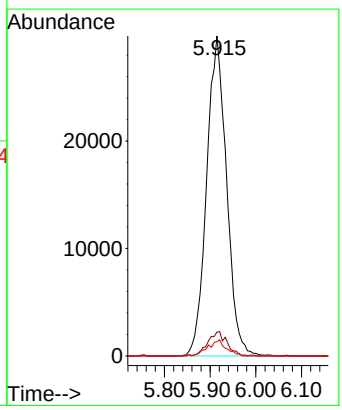
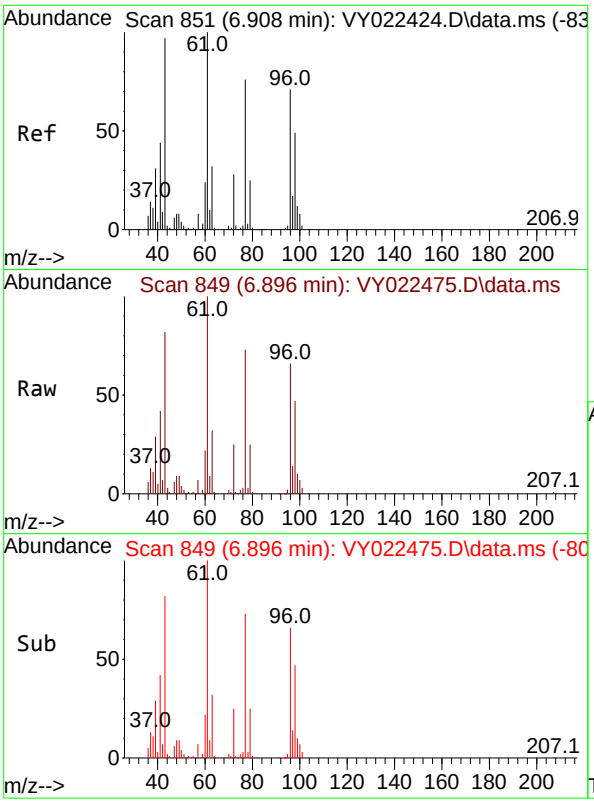


#24
1,1-Dichloroethane
Concen: 22.784 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 63 Resp: 90316

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.5	10.5
100	4.5	2.1	6.5





#25
2-Butanone
Concen: 113.939 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 43 Resp: 6334

Ion	Ratio	Lower	Upper
43	100		
72	30.0	22.8	34.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

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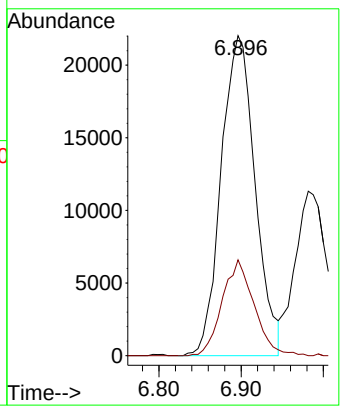
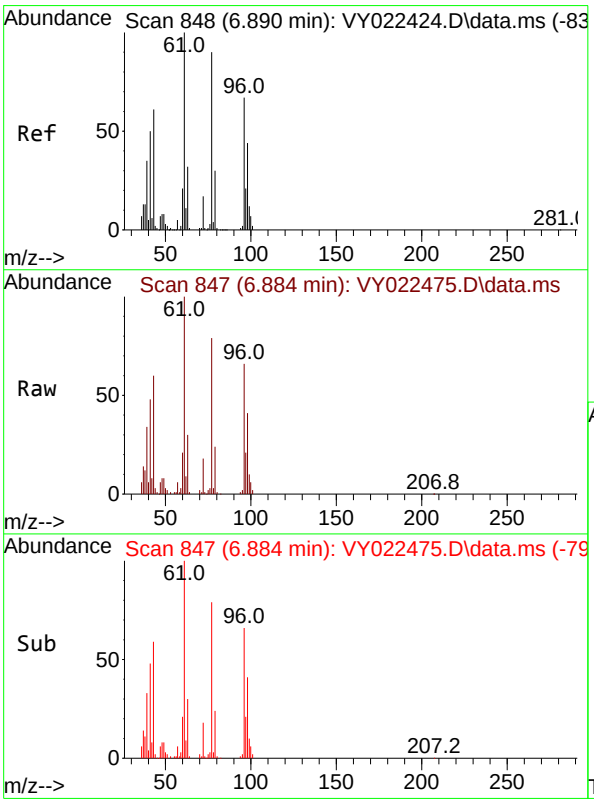
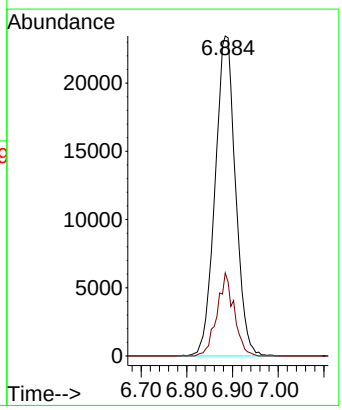


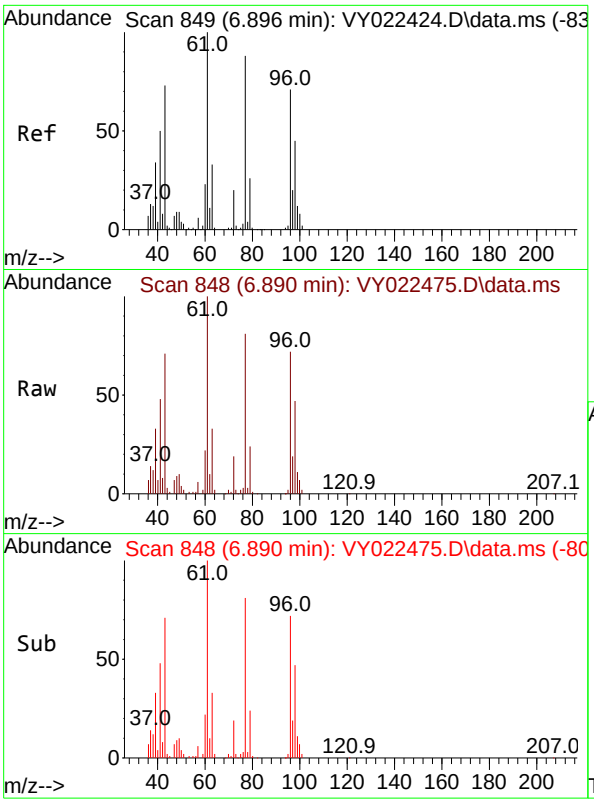


#26
2,2-Dichloropropane
Concen: 20.279 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 77 Resp: 72791

Ion	Ratio	Lower	Upper
77	100		
97	21.8	11.6	34.7





#27
cis-1,2-Dichloroethene
Concen: 22.371 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 96 Resp: 5713

Ion	Ratio	Lower	Upper
96	100		
61	145.4	0.0	292.0
98	65.1	0.0	131.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

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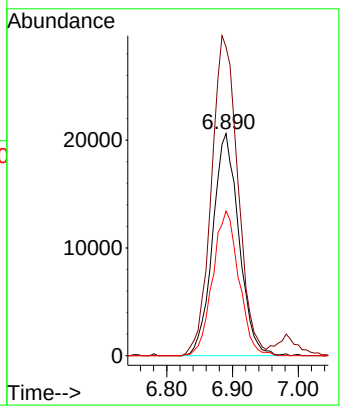
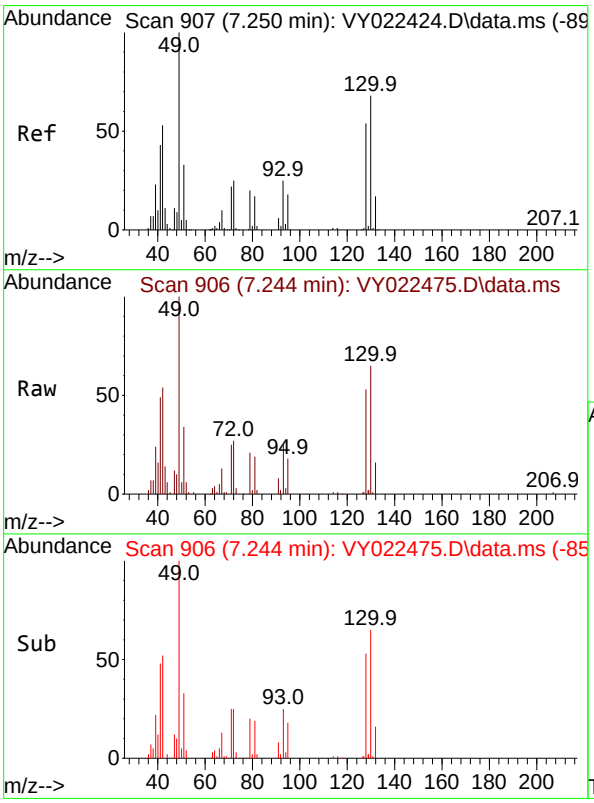
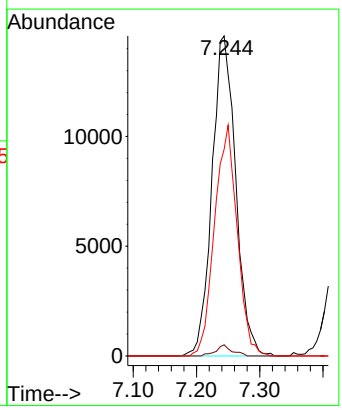


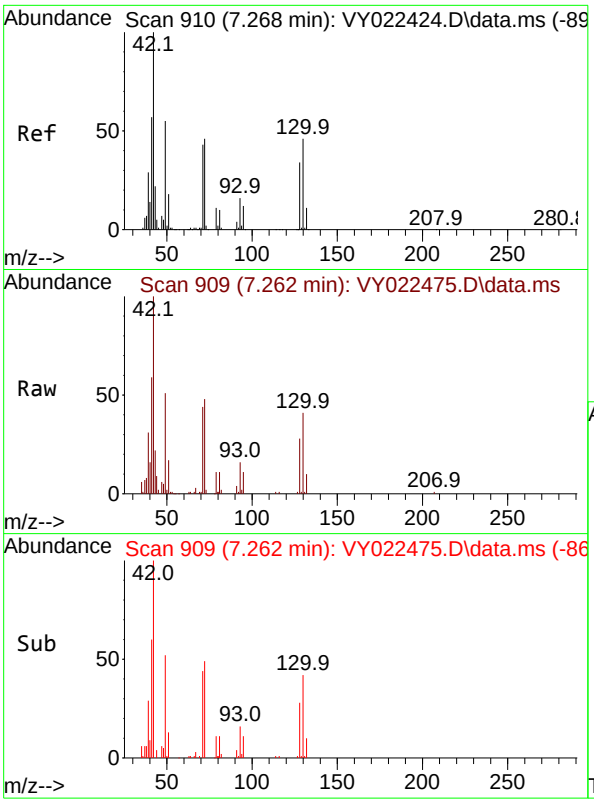


#28
Bromochloromethane
Concen: 22.926 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 49 Resp: 37950

Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.0
130	68.8	56.9	85.3





#29
Tetrahydrofuran
Concen: 114.604 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 42 Resp: 4249

Ion	Ratio	Lower	Upper
42	100		
72	47.8	37.7	56.5
71	43.5	34.7	52.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

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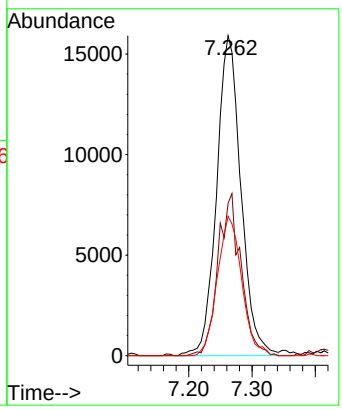
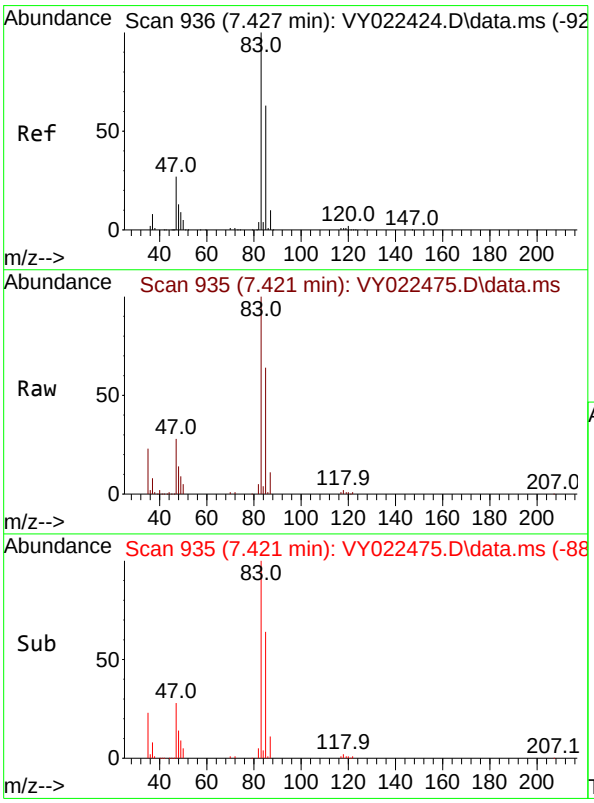
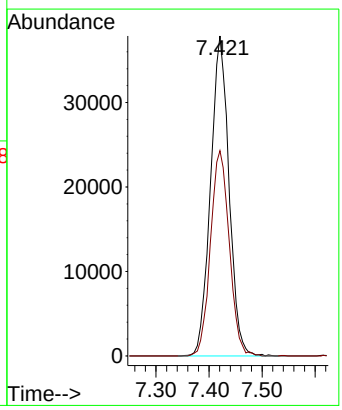


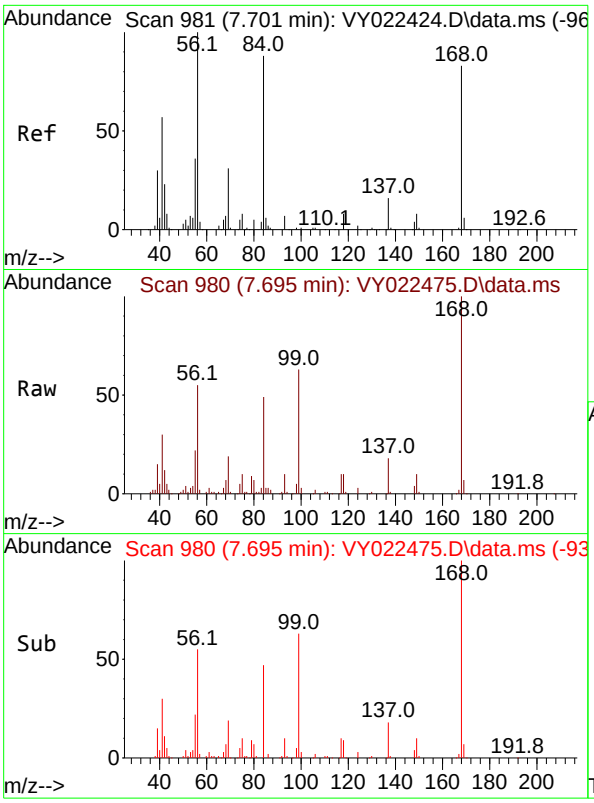


#30
Chloroform
Concen: 23.412 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 83 Resp: 91451

Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.1	75.1





#31
Cyclohexane
Concen: 21.344 ug/l
RT: 7.695 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 56 Resp: 8340

Ion	Ratio	Lower	Upper
56	100		
69	34.8	24.6	36.8
84	87.9	70.4	105.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

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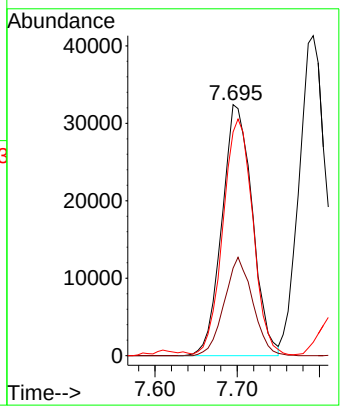
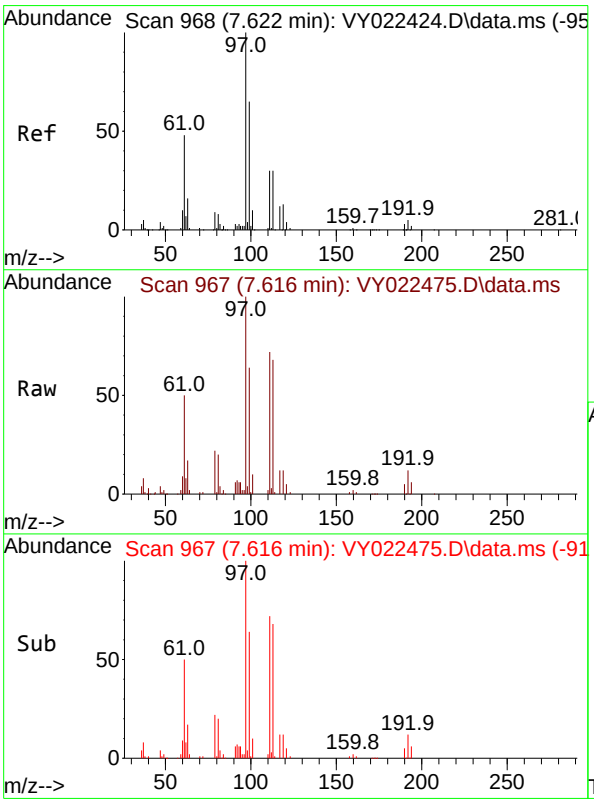
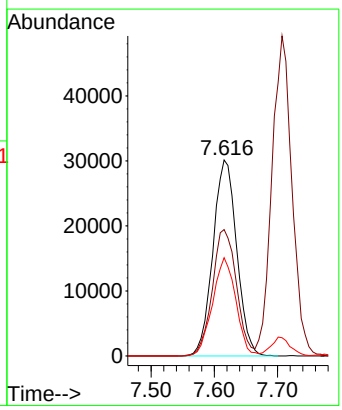


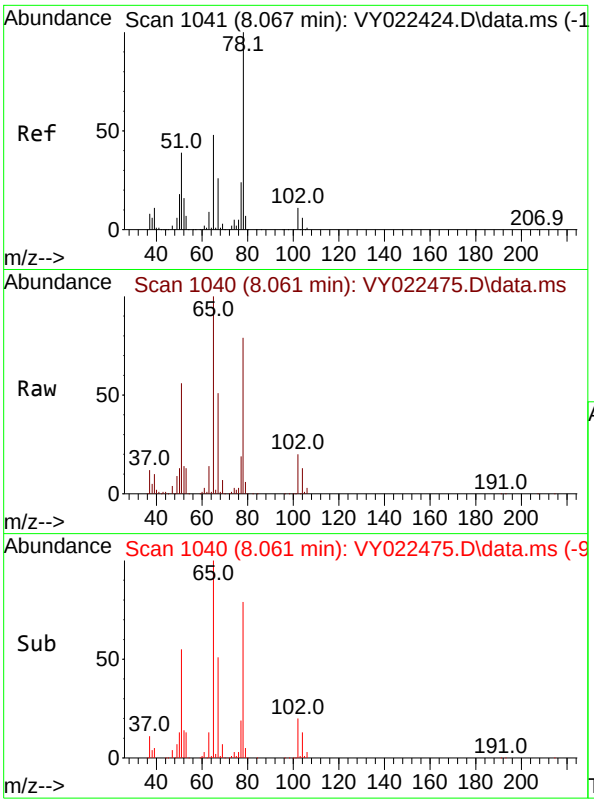


#32
1,1,1-Trichloroethane
Concen: 22.188 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 97 Resp: 78657

Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.3	76.9
61	49.0	37.3	55.9





#33
1,2-Dichloroethane-d4
Concen: 55.376 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 65 Resp: 11249

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	104.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

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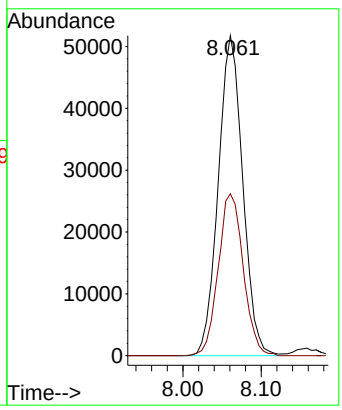
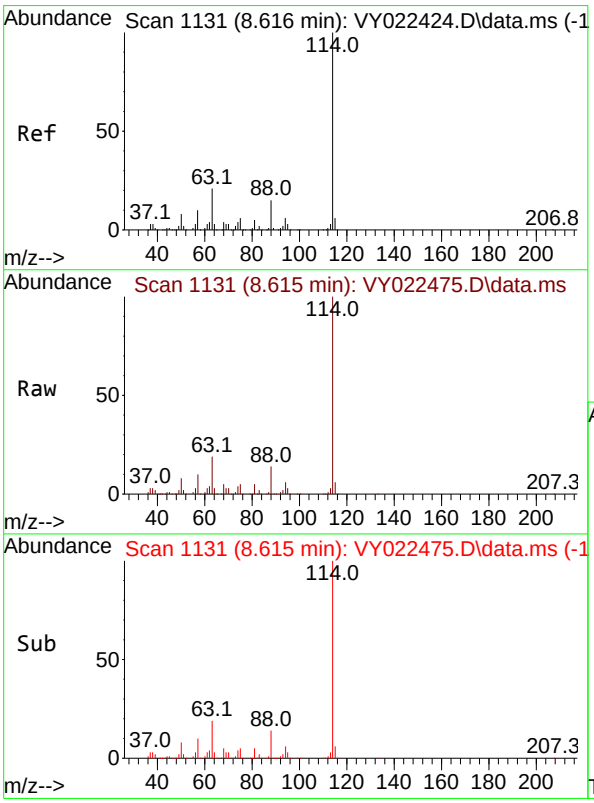
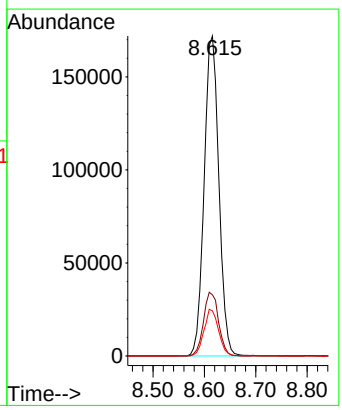


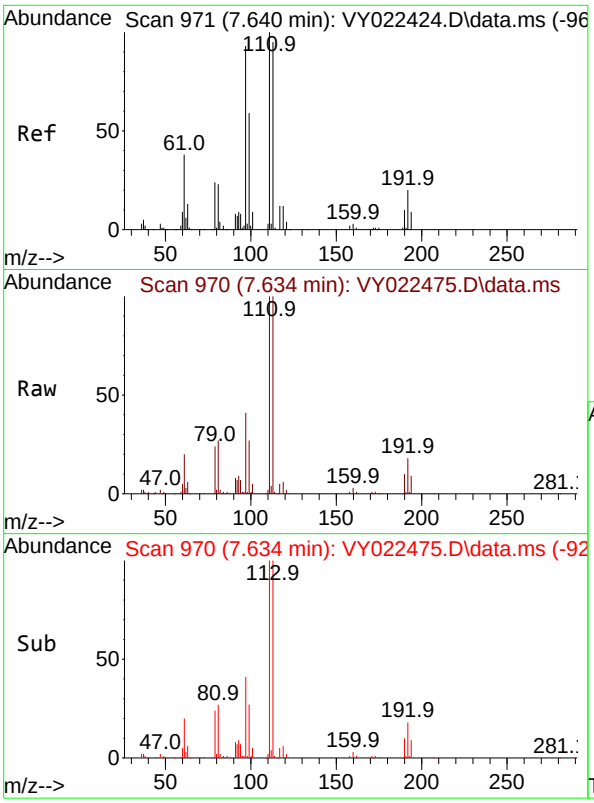


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion:114 Resp: 341345

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	42.6
88	14.1	0.0	29.4

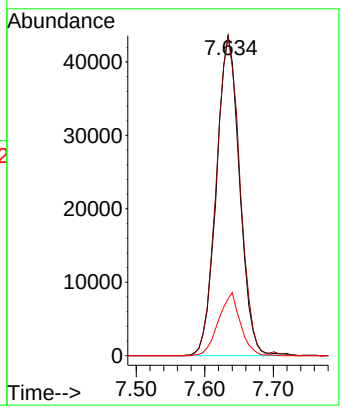




#35
Dibromofluoromethane
Concen: 50.960 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion:113 Resp: 10187

Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.4	123.6
192	18.6	15.2	22.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

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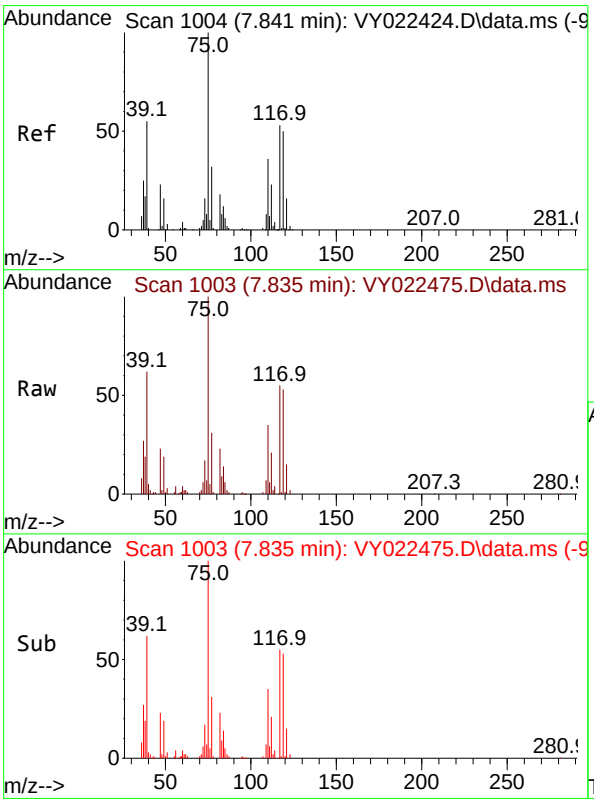
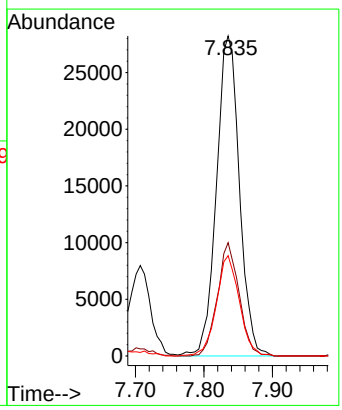
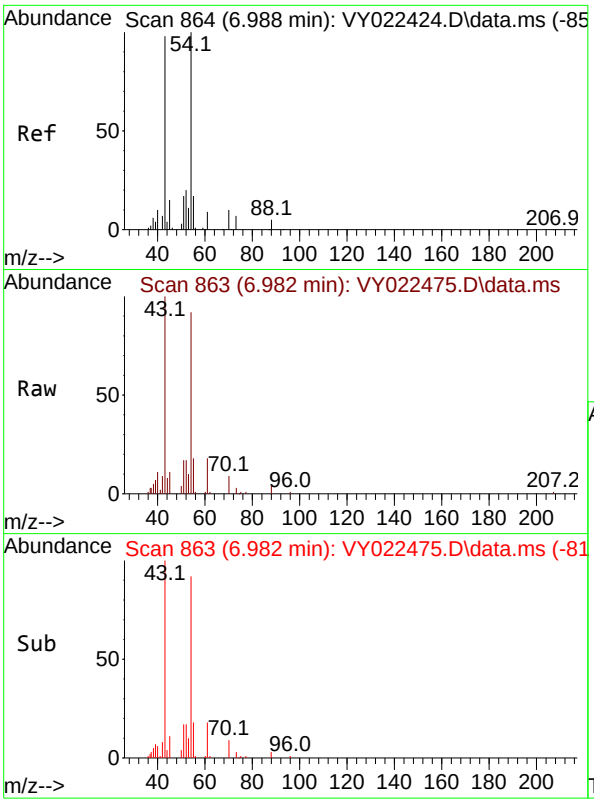


#36
1,1-Dichloropropene
Concen: 20.662 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 75 Resp: 65541

Ion	Ratio	Lower	Upper
75	100		
110	33.4	17.1	51.2
77	31.4	25.1	37.7





#37
Ethyl Acetate
Concen: 23.287 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 43 Resp: 3139

Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.7	17.5
70	10.5	7.8	11.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

Manual Integrations
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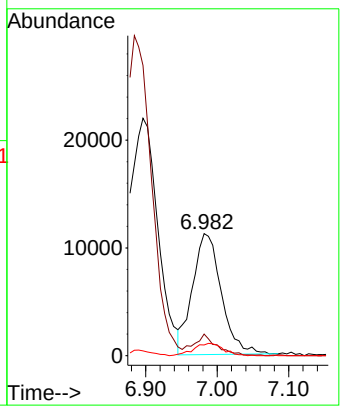
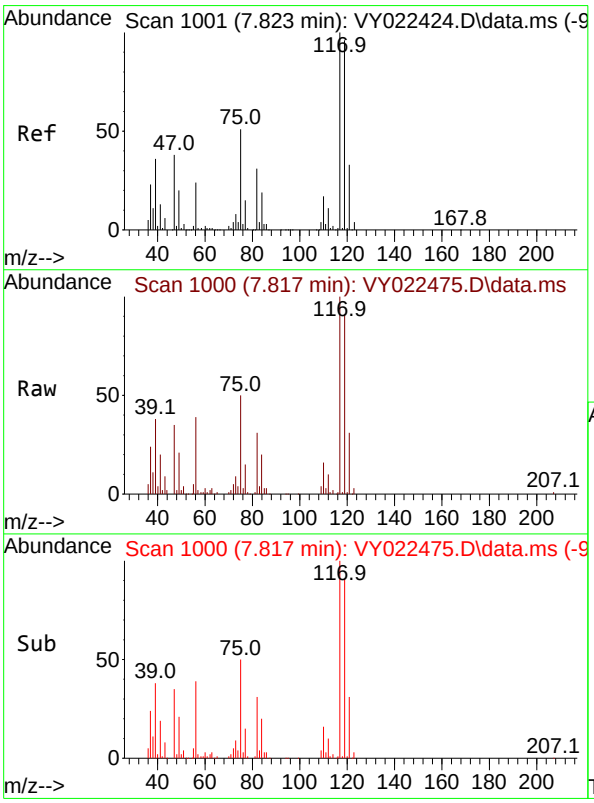
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

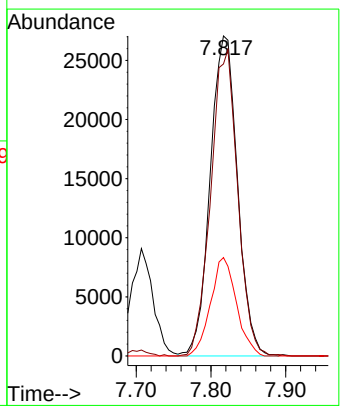


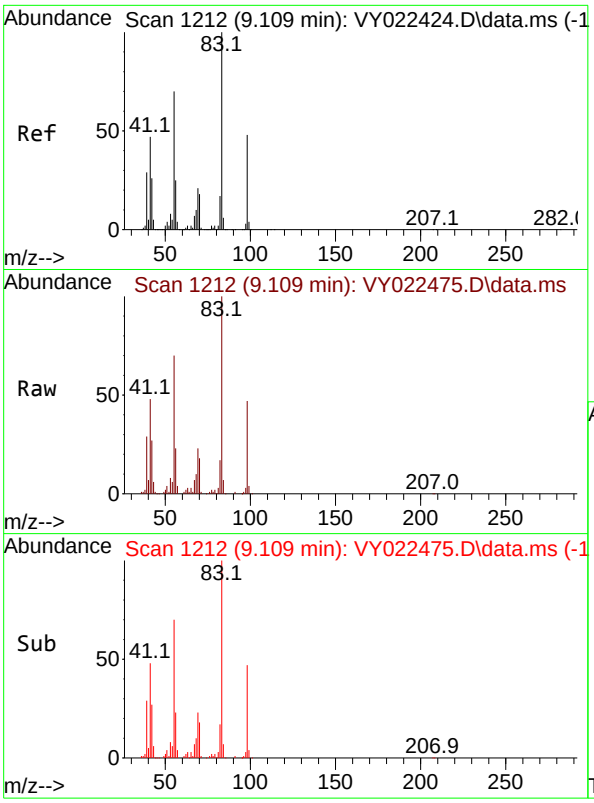


#38
Carbon Tetrachloride
Concen: 20.833 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion:117 Resp: 68840

Ion	Ratio	Lower	Upper
117	100		
119	91.3	76.3	114.5
121	30.7	26.1	39.1





#39
Methylcyclohexane
Concen: 19.967 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 83 Resp: 8419

Ion	Ratio	Lower	Upper
83	100		
55	70.4	56.2	84.2
98	47.0	38.4	57.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

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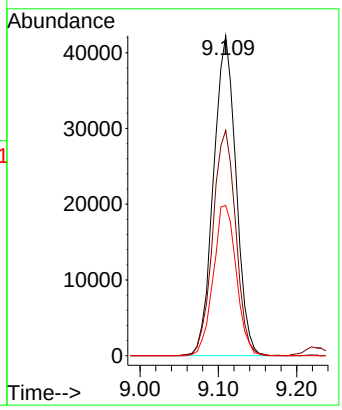
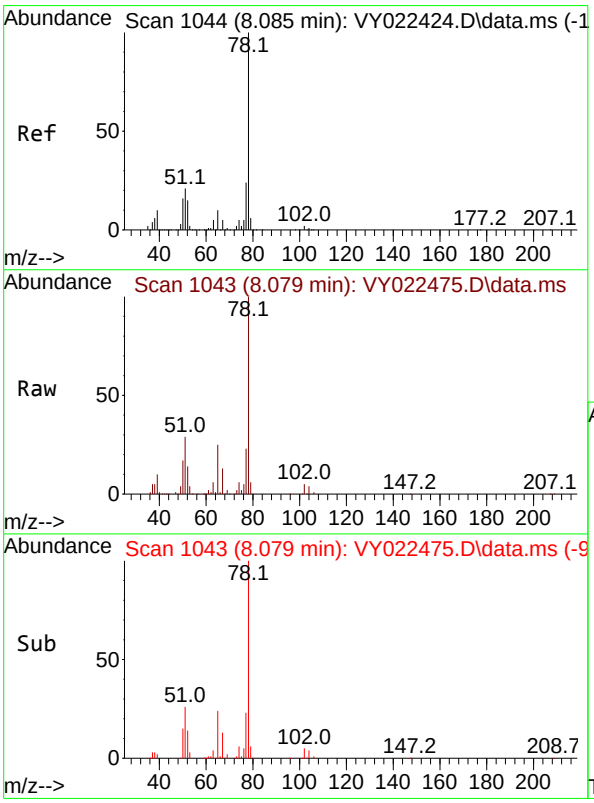
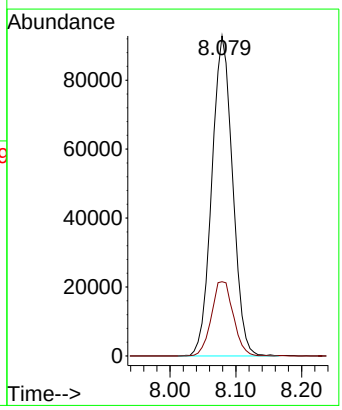


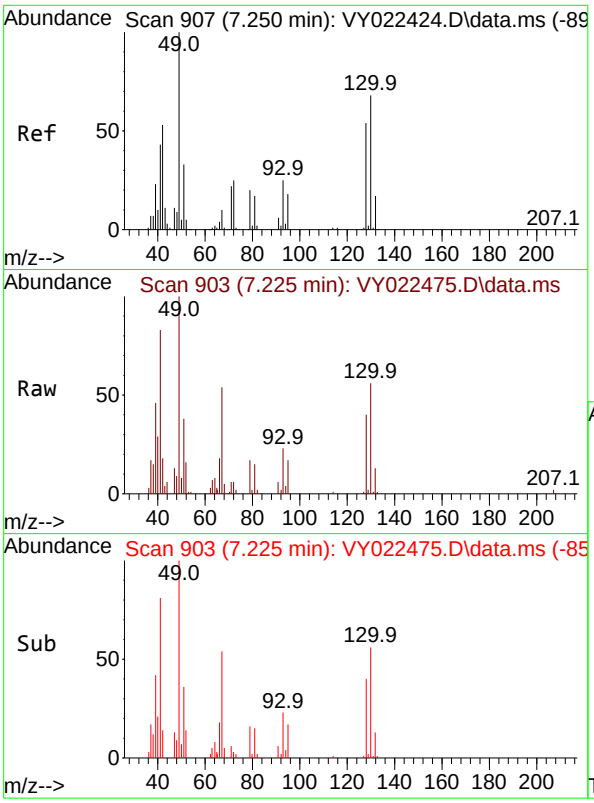


#40
Benzene
Concen: 21.642 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 78 Resp: 204274

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.4	29.2

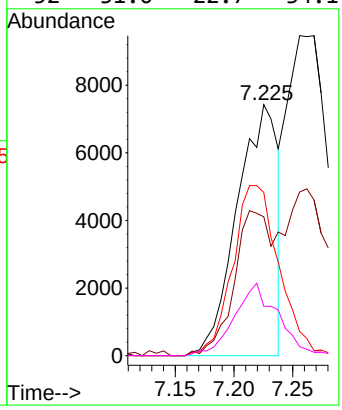




#41
Methacrylonitrile
Concen: 21.788 ug/l
RT: 7.225 min Scan# 9
Delta R.T. -0.024 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 41 Resp: 1782

Ion	Ratio	Lower	Upper
41	100		
39	51.0	40.4	60.6
67	77.4	53.0	79.4
52	31.0	22.7	34.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

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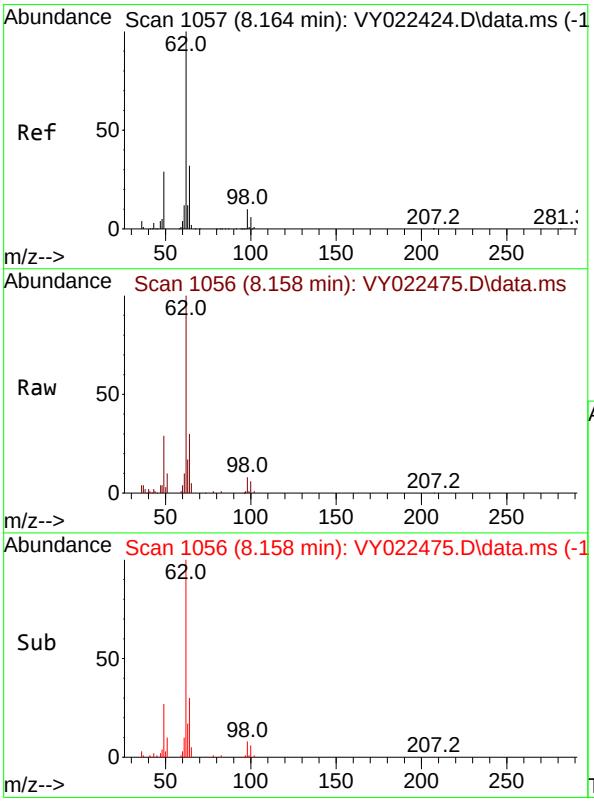
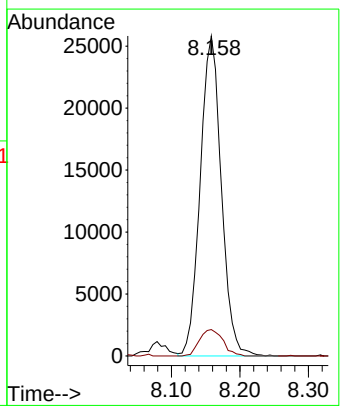
Supervised By :Mahesh Dadoda 06/02/2025

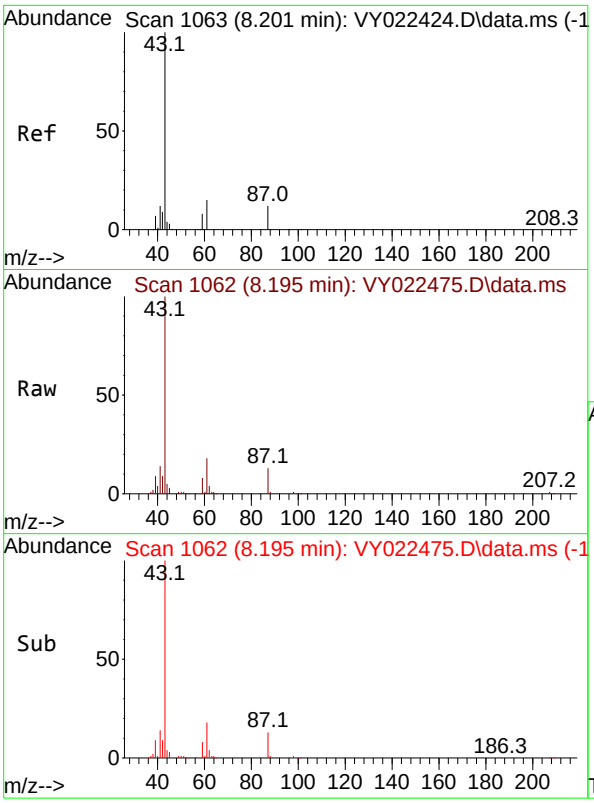


#42
1,2-Dichloroethane
Concen: 22.235 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 62 Resp: 55429

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.4





#43
Isopropyl Acetate
Concen: 21.608 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 43 Resp: 6365

Ion	Ratio	Lower	Upper
43	100		
61	29.1	15.4	23.0
87	13.1	10.6	15.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

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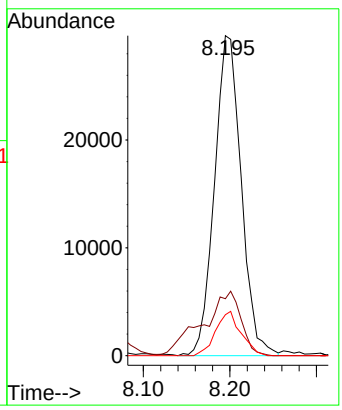
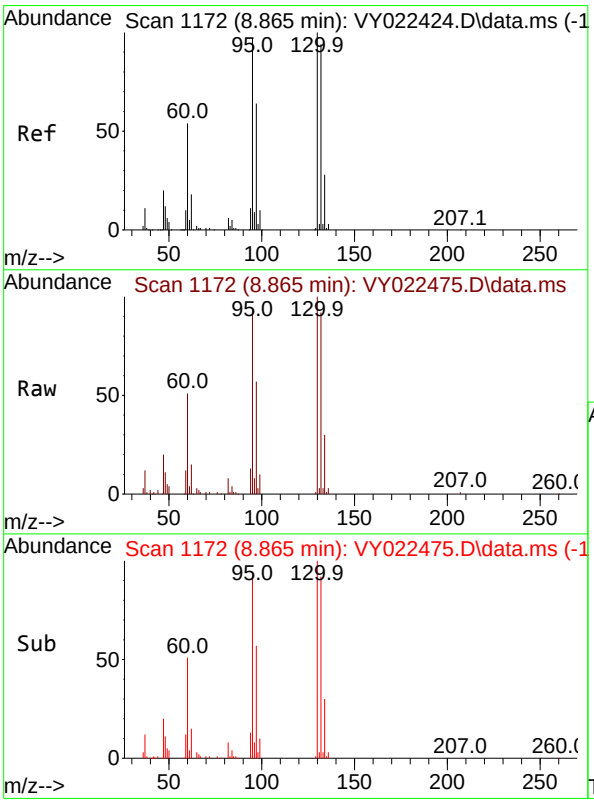
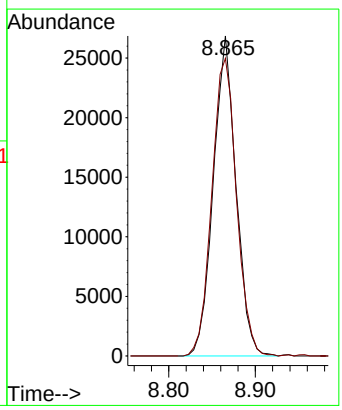


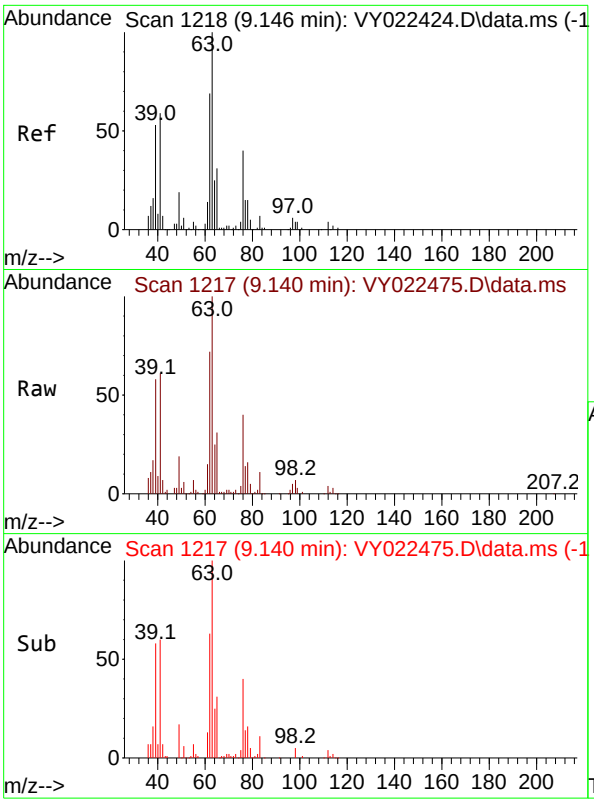


#44
Trichloroethene
Concen: 20.935 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion:130 Resp: 48848

Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	194.8





#45
1,2-Dichloropropane
Concen: 22.138 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 63 Resp: 4909

Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.1	37.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

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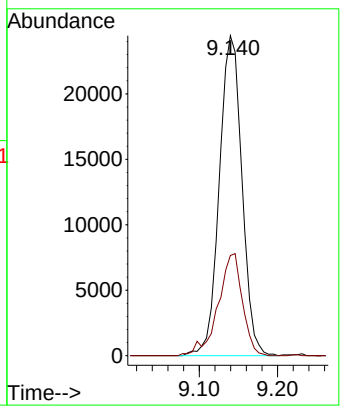
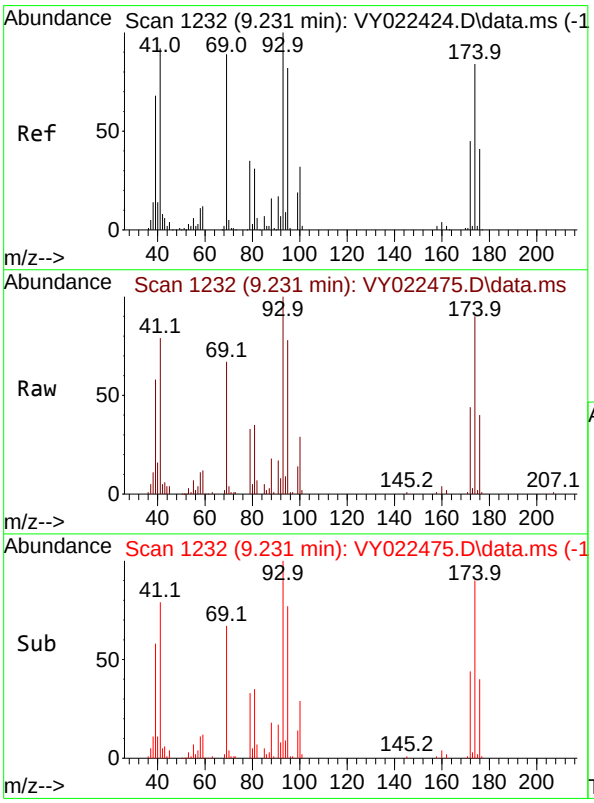
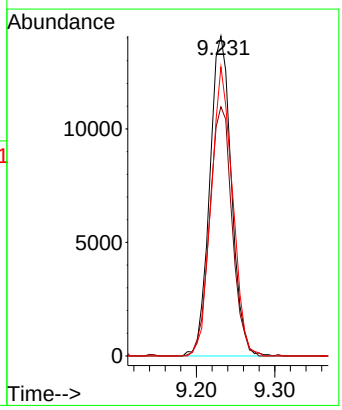


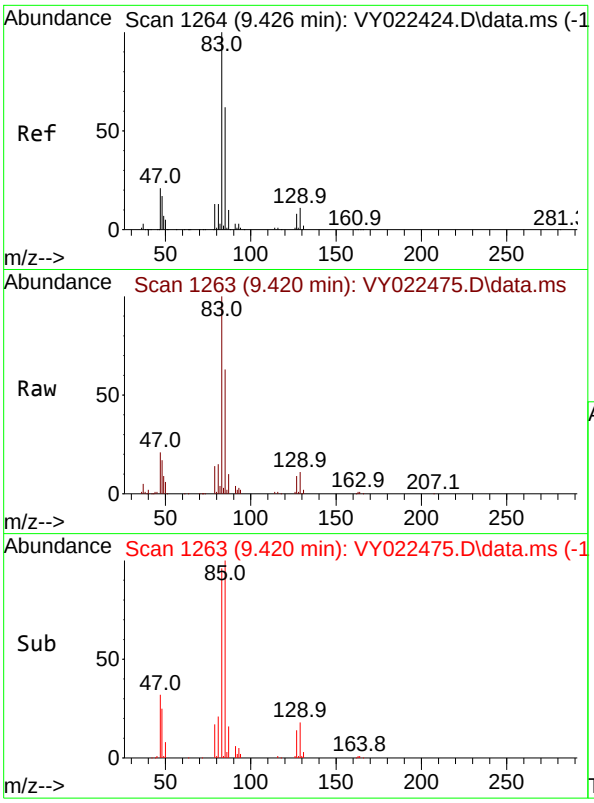


#46
Dibromomethane
Concen: 21.863 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 93 Resp: 27085

Ion	Ratio	Lower	Upper
93	100		
95	80.3	66.2	99.2
174	89.0	71.1	106.7

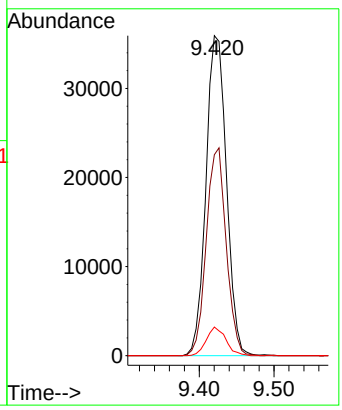




#47
Bromodichloromethane
Concen: 21.459 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 83 Resp: 6836

Ion	Ratio	Lower	Upper
83	100		
85	62.8	49.8	74.6
127	9.0	6.6	9.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

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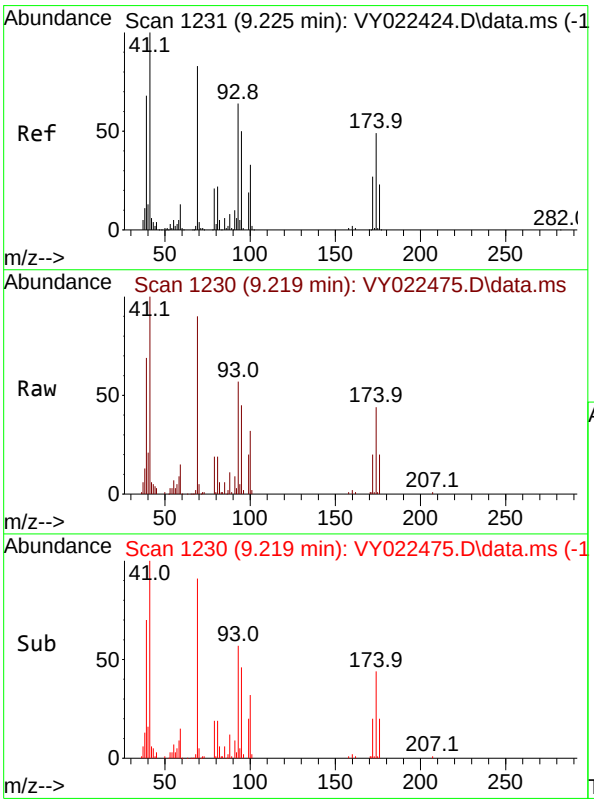
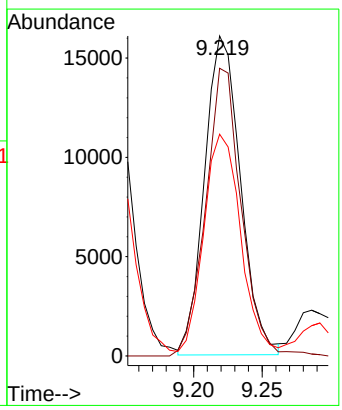
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

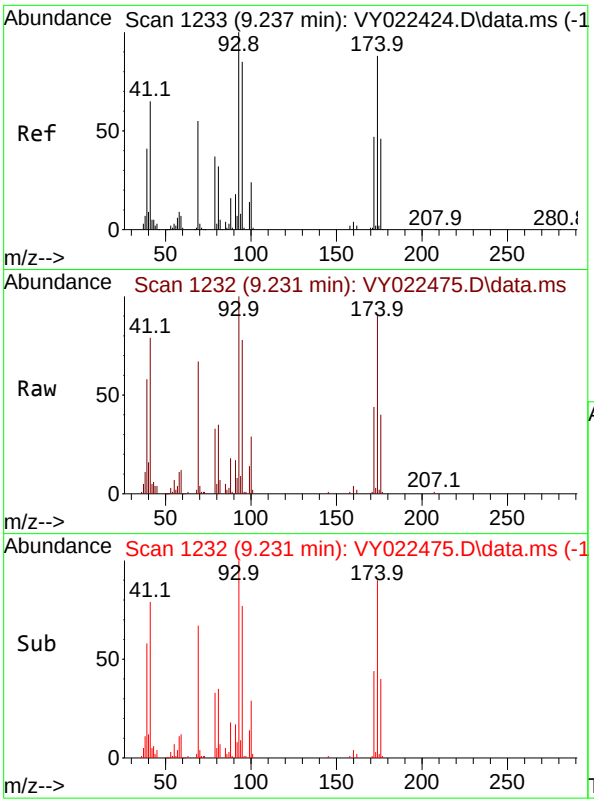


#48
Methyl methacrylate
Concen: 21.436 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 41 Resp: 29313

Ion	Ratio	Lower	Upper
41	100		
69	89.5	70.3	105.5
39	69.6	55.4	83.0





#49
1,4-Dioxane
Concen: 446.301 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 88 Resp: 610

Ion	Ratio	Lower	Upper
88	100		
43	36.5	26.9	40.3
58	66.7	55.8	83.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

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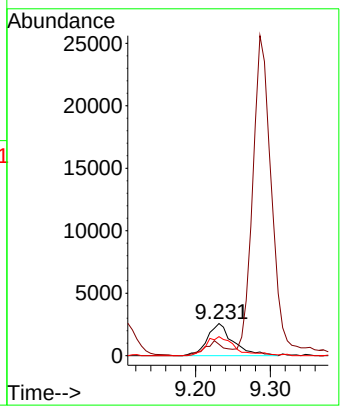
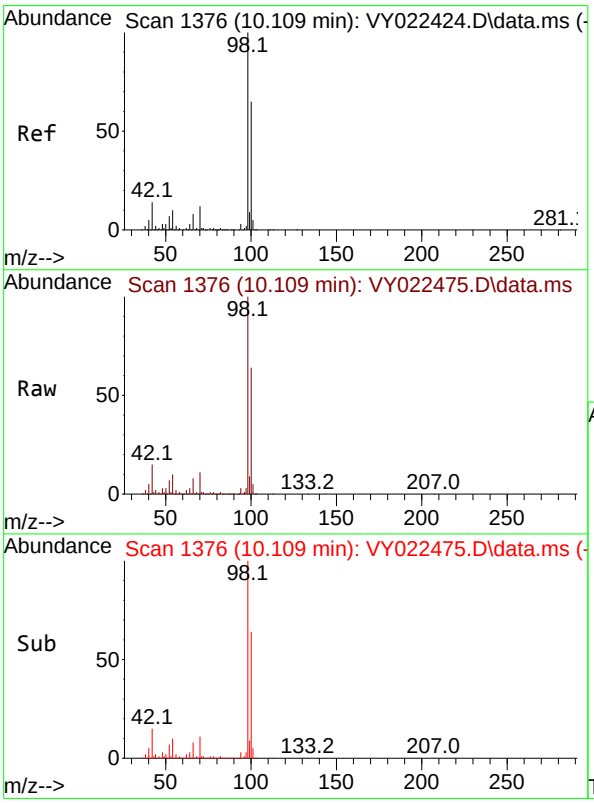
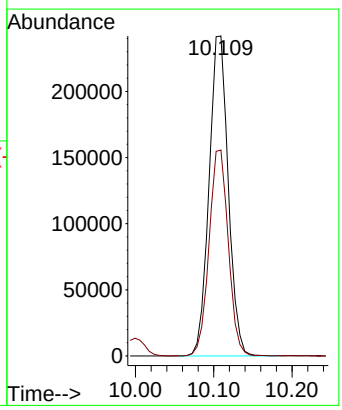


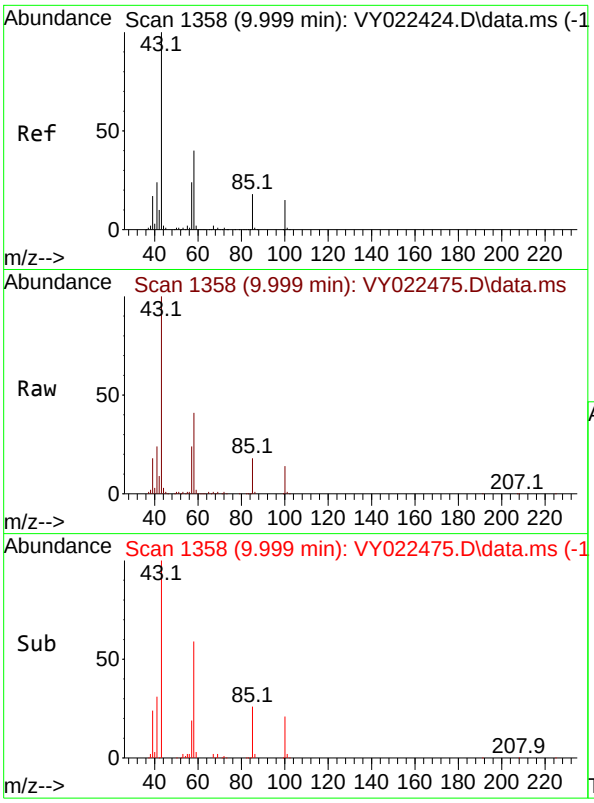


#50
Toluene-d8
Concen: 50.476 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 98 Resp: 411336

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.2	78.2

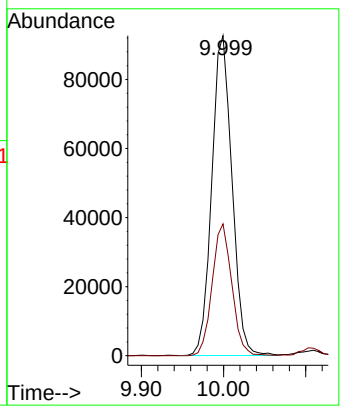




#51
4-Methyl-2-Pentanone
Concen: 109.023 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 43 Resp: 15846

Ion	Ratio	Lower	Upper
43	100		
58	40.0	31.2	46.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

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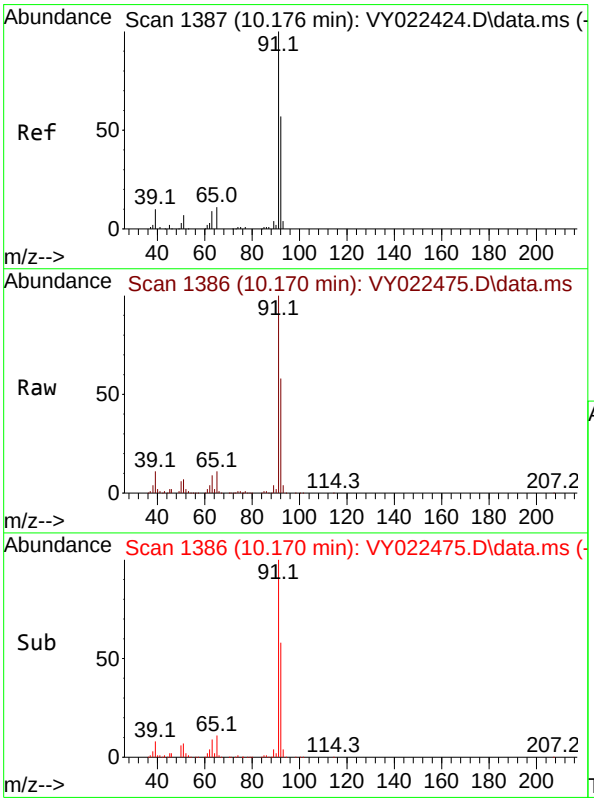
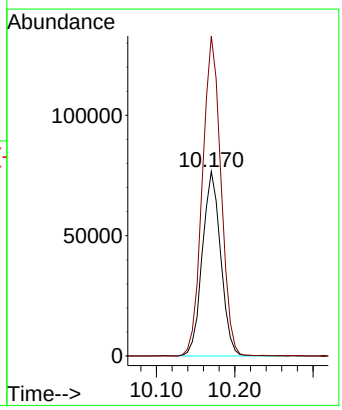
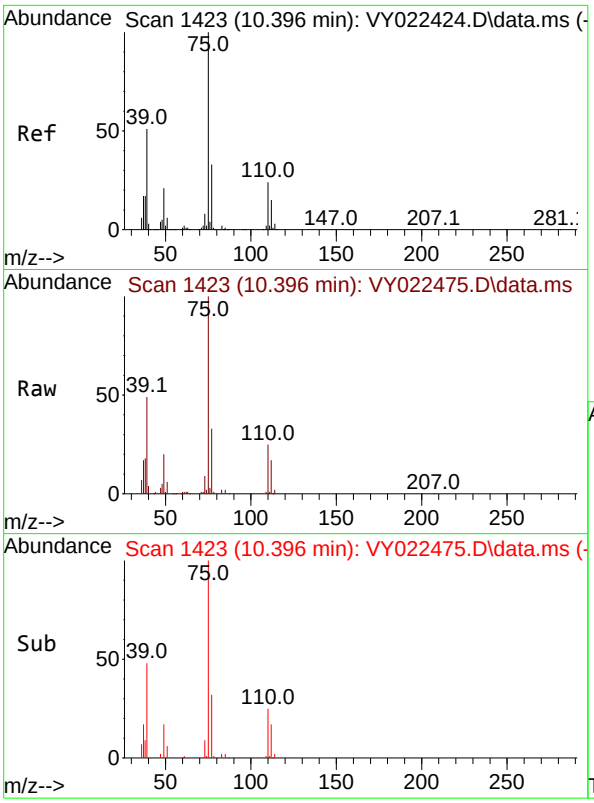


#52
Toluene
Concen: 21.121 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 92 Resp: 124518

Ion	Ratio	Lower	Upper
92	100		
91	175.8	139.8	209.6

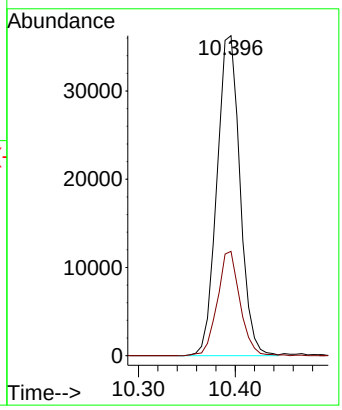




#53
t-1,3-Dichloropropene
Concen: 20.197 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 75 Resp: 5993

Ion	Ratio	Lower	Upper
75	100		
77	32.6	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

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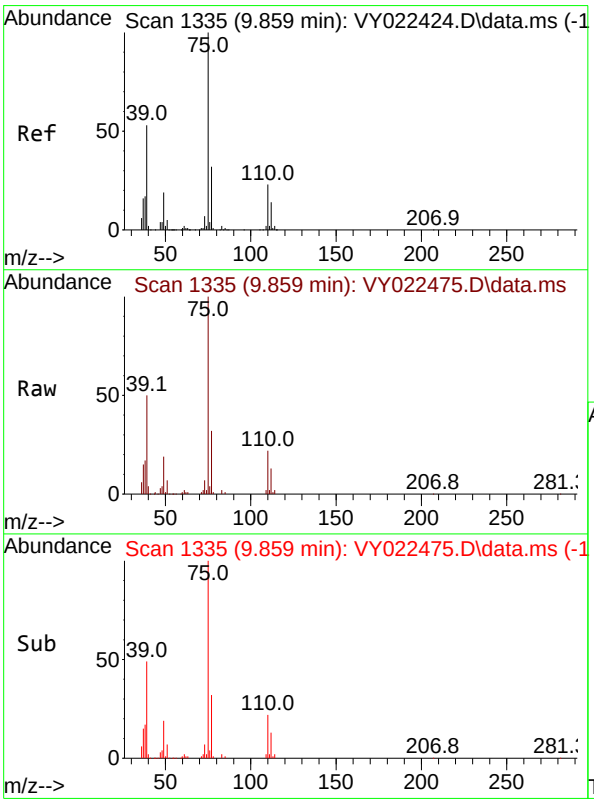
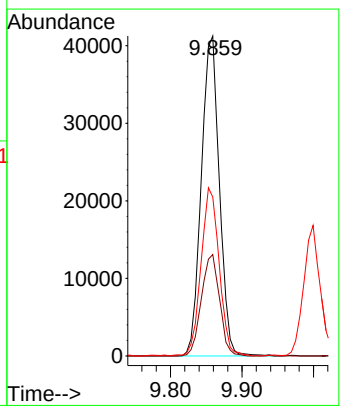
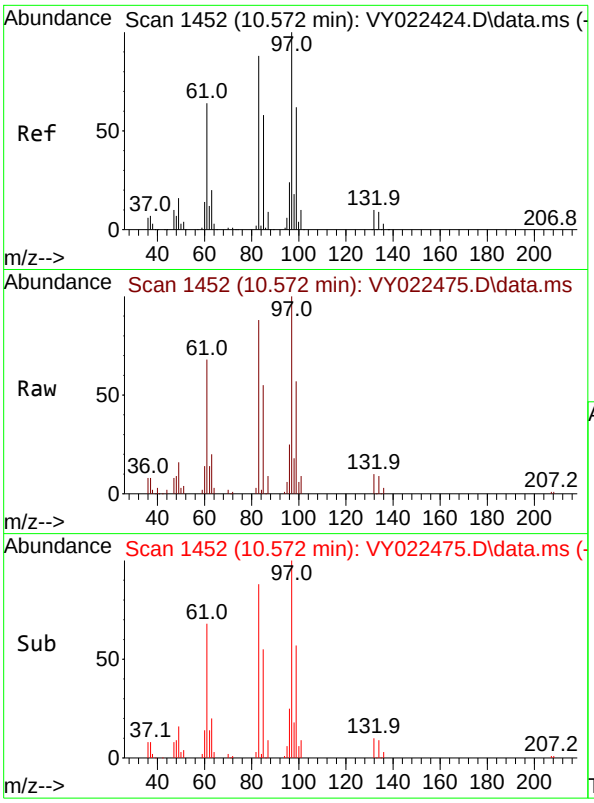


#54
cis-1,3-Dichloropropene
Concen: 20.735 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 75 Resp: 72299

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2
39	49.5	42.5	63.7

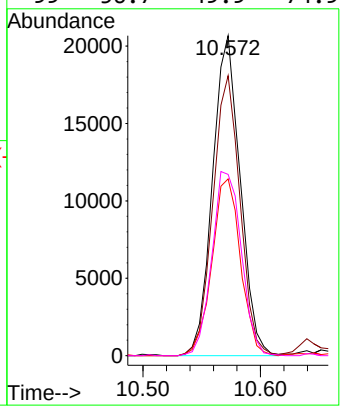




#55
1,1,2-Trichloroethane
Concen: 21.609 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 97 Resp: 3384

Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.2	105.4
85	55.2	46.1	69.1
99	56.7	49.9	74.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

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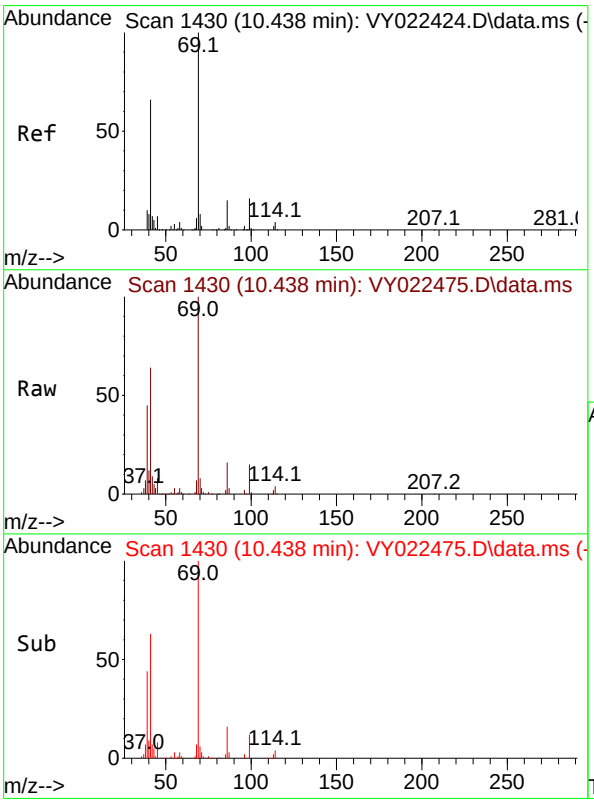
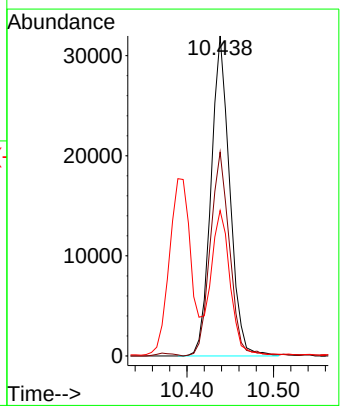
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

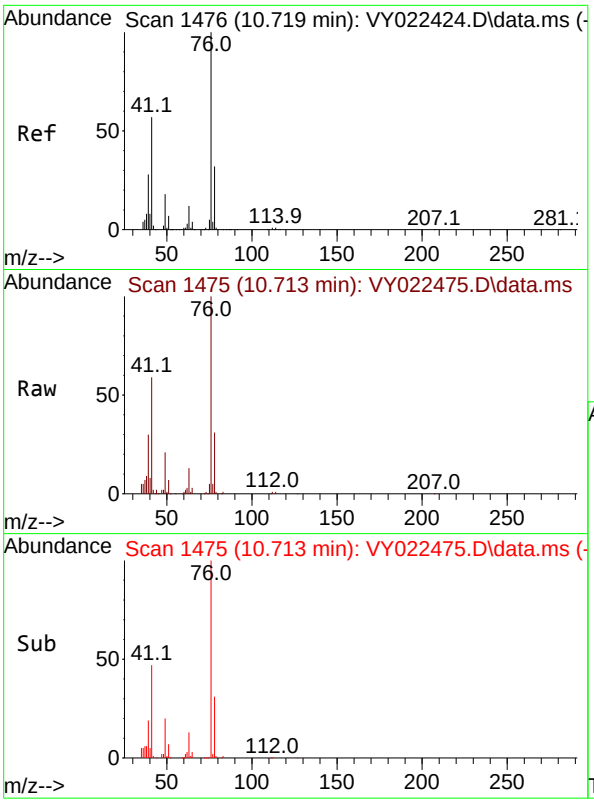


#56
Ethyl methacrylate
Concen: 21.402 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 69 Resp: 48106

Ion	Ratio	Lower	Upper
69	100		
41	66.0	51.2	76.8
39	46.3	35.2	52.8

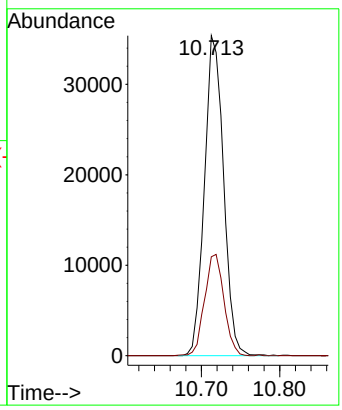




#57
1,3-Dichloropropane
Concen: 21.679 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 76 Resp: 5984

Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

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Reviewed By :John Carlone 06/02/2025
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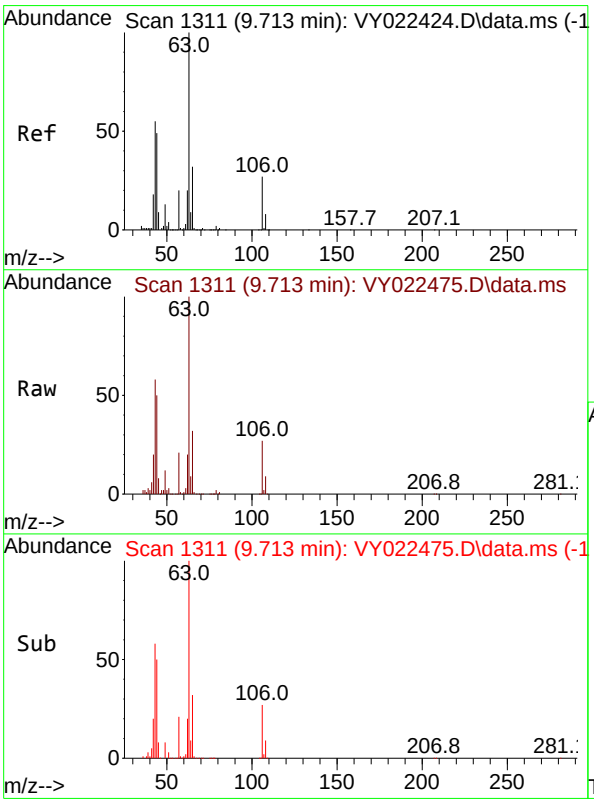
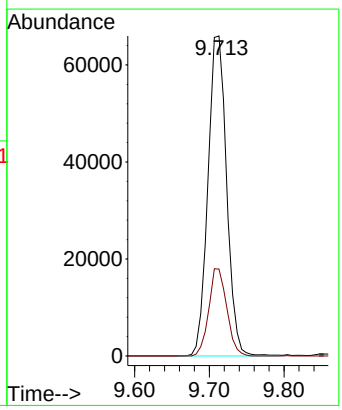
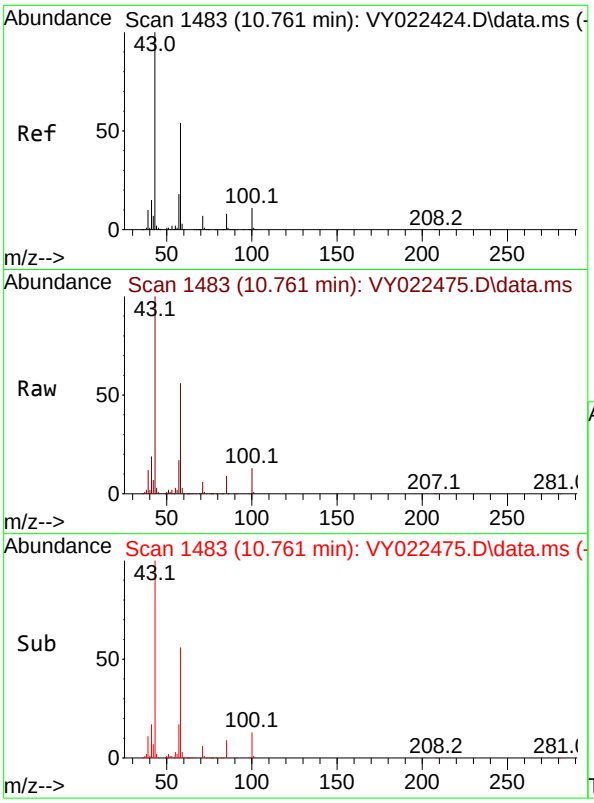


#58
2-Chloroethyl Vinyl ether
Concen: 102.360 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 63 Resp: 114668

Ion	Ratio	Lower	Upper
63	100		
106	26.2	22.2	33.2





#59
2-Hexanone
Concen: 108.537 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 43 Resp: 10338

Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.1	81.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

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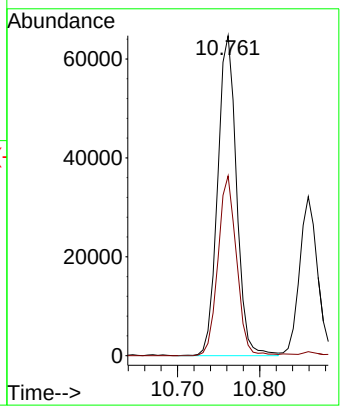
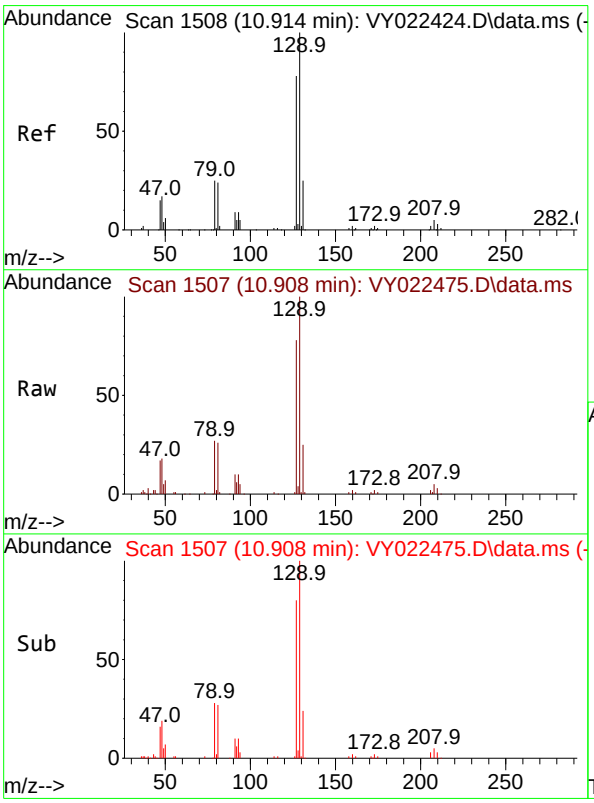
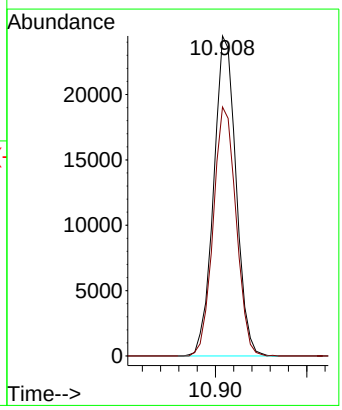


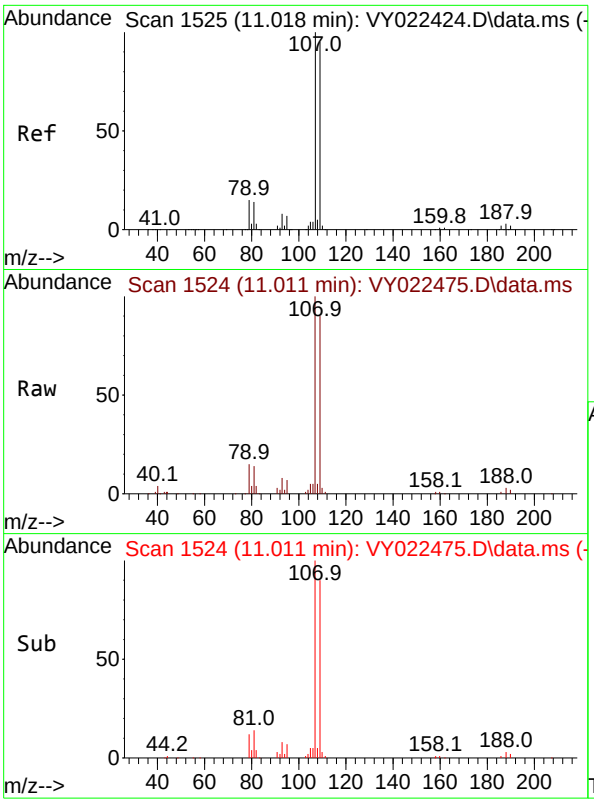


#60
Dibromochloromethane
Concen: 20.801 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion:129 Resp: 41620

Ion	Ratio	Lower	Upper
129	100		
127	79.2	38.3	114.8





#61
1,2-Dibromoethane
Concen: 21.475 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion:107 Resp: 3076

Ion	Ratio	Lower	Upper
107	100		
109	96.9	74.0	111.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

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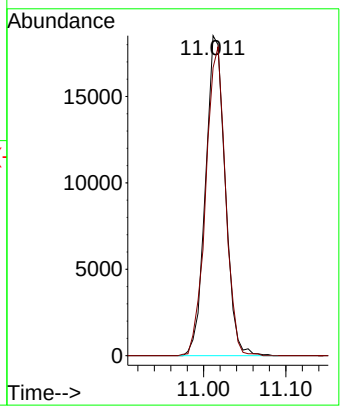
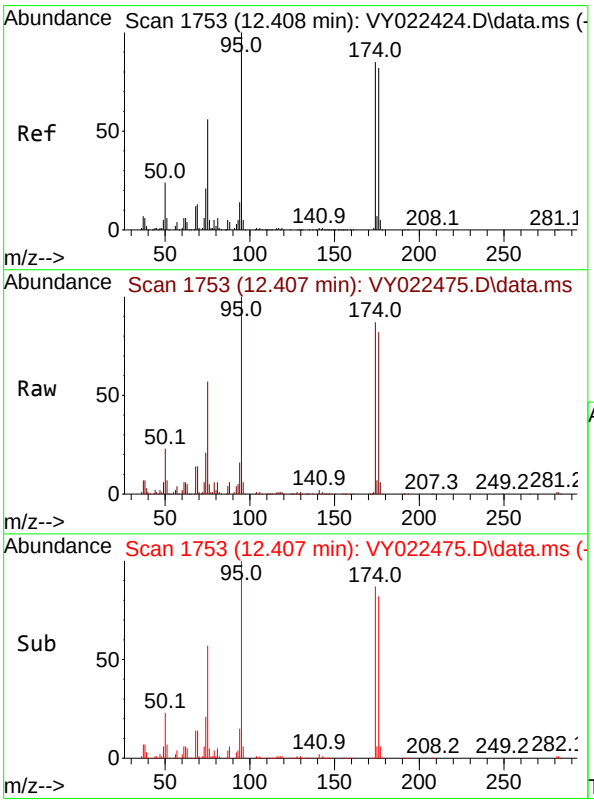
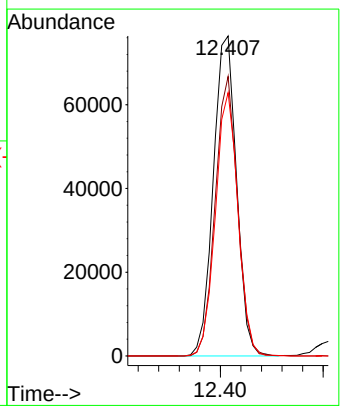


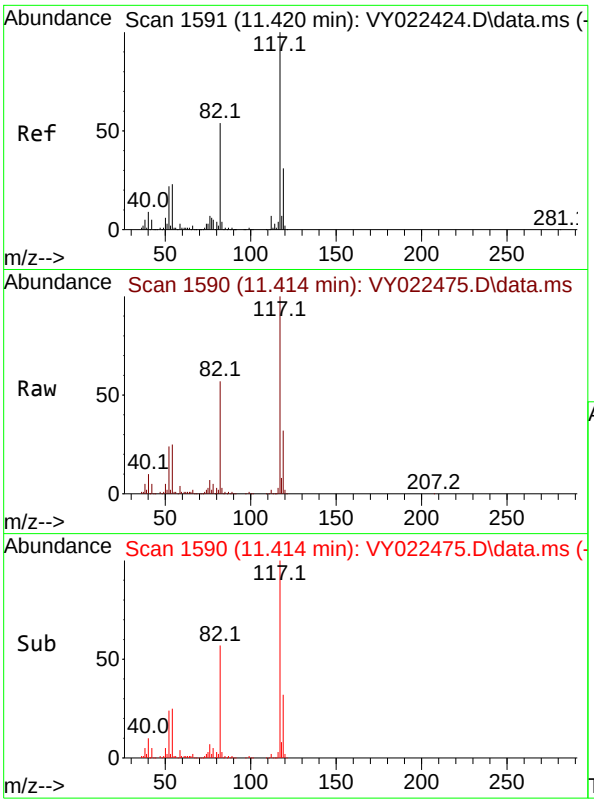


#62
4-Bromofluorobenzene
Concen: 48.447 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 95 Resp: 119420

Ion	Ratio	Lower	Upper
95	100		
174	84.0	0.0	171.6
176	80.2	0.0	164.6

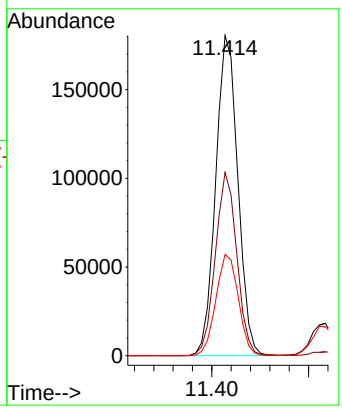




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion:117 Resp: 28623

Ion	Ratio	Lower	Upper
117	100		
82	57.3	43.3	64.9
119	31.6	24.5	36.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

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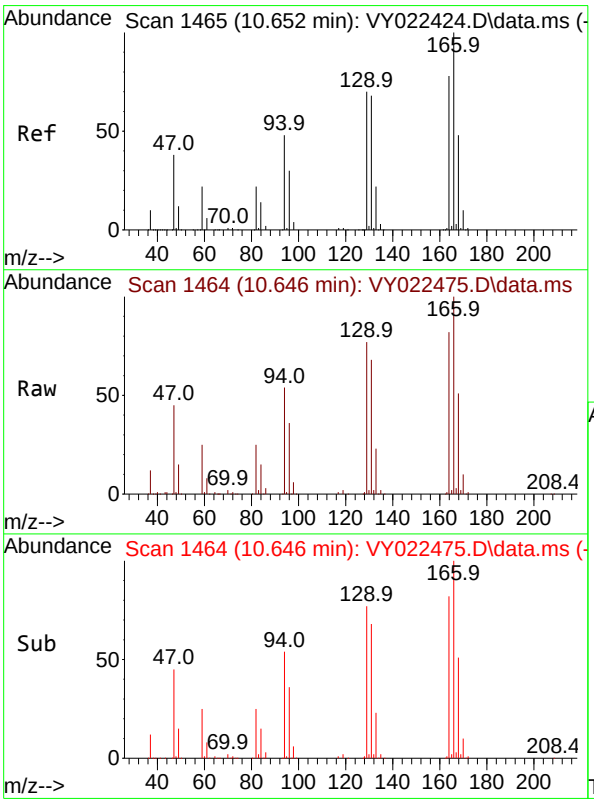
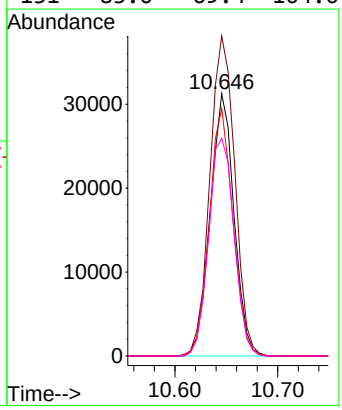
Supervised By :Mahesh Dadoda 06/02/2025

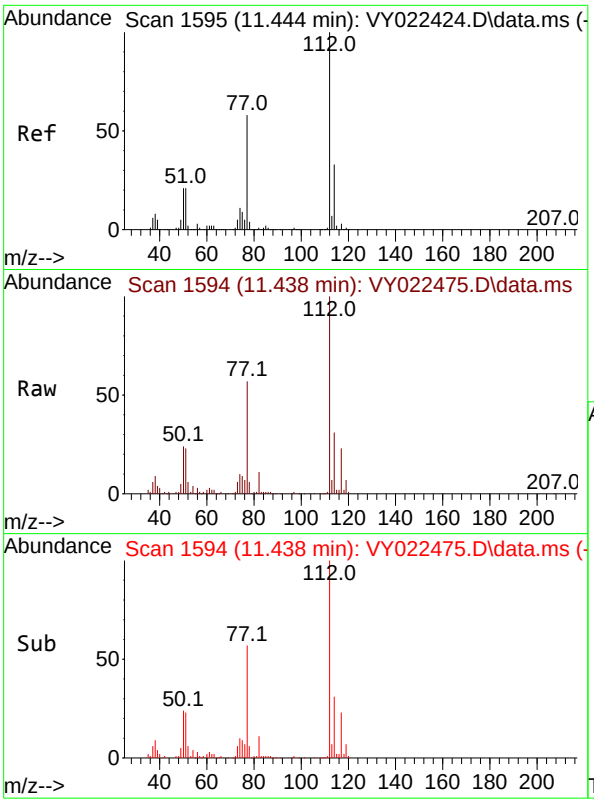


#64
Tetrachloroethene
Concen: 20.524 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion:164 Resp: 50033

Ion	Ratio	Lower	Upper
164	100		
166	122.0	102.0	153.0
129	94.3	71.3	106.9
131	83.0	69.4	104.0





#65
Chlorobenzene
Concen: 21.416 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion:112 Resp: 13071

Ion	Ratio	Lower	Upper
112	100		
114	31.1	26.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

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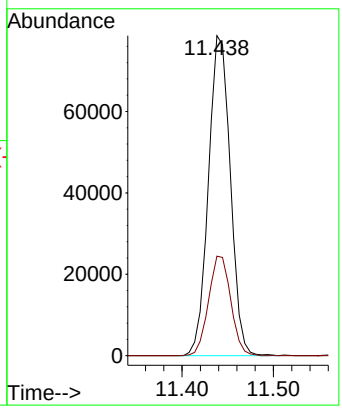
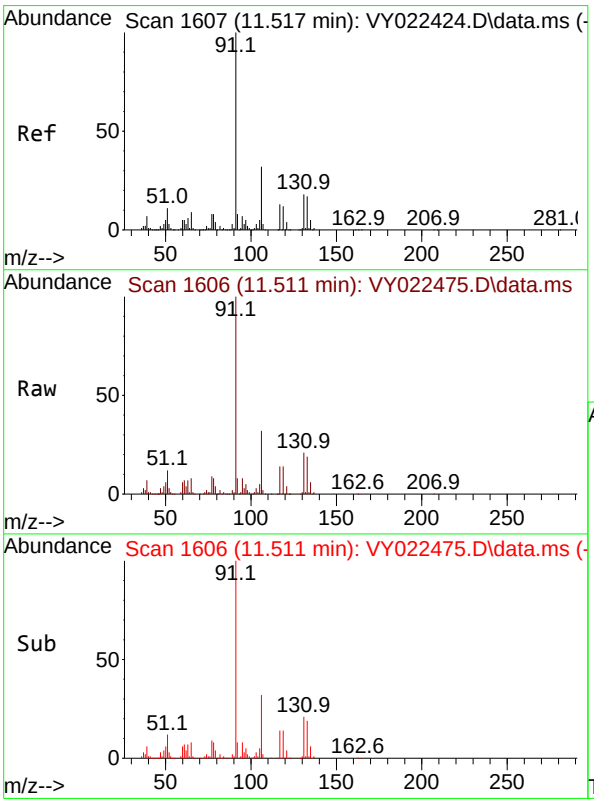
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

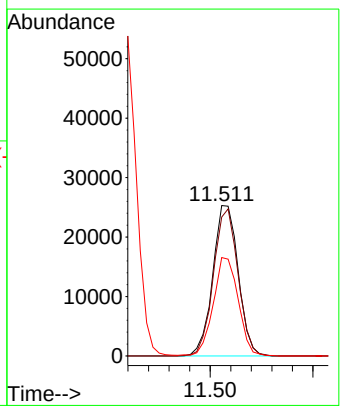


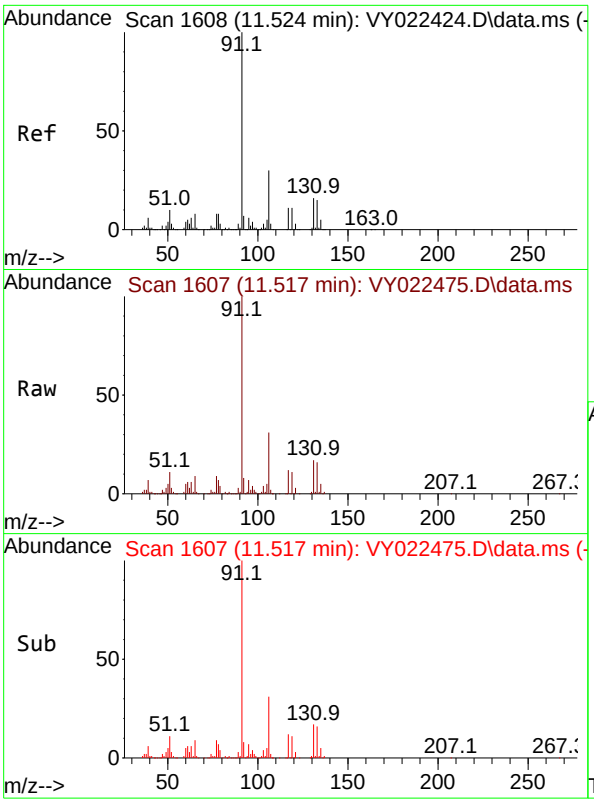


#66
1,1,1,2-Tetrachloroethane
Concen: 21.003 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion:131 Resp: 43433

Ion	Ratio	Lower	Upper
131	100		
133	94.6	46.6	139.8
119	64.2	33.3	99.8

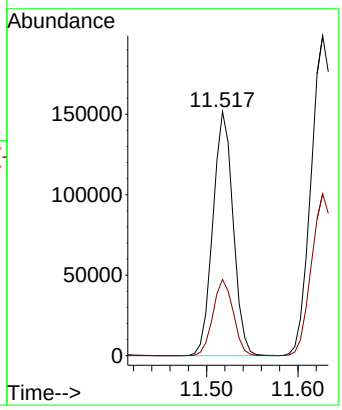




#67
Ethyl Benzene
Concen: 20.592 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 91 Resp: 23336

Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.4	36.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

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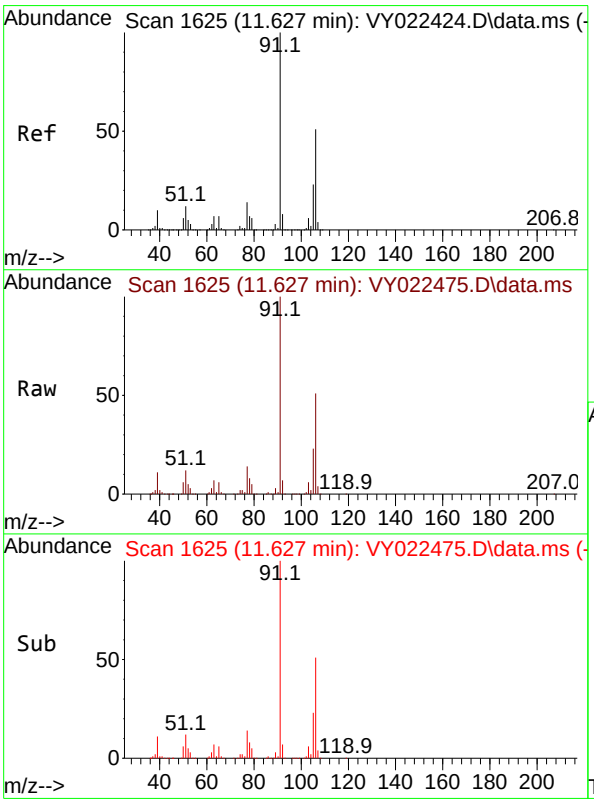
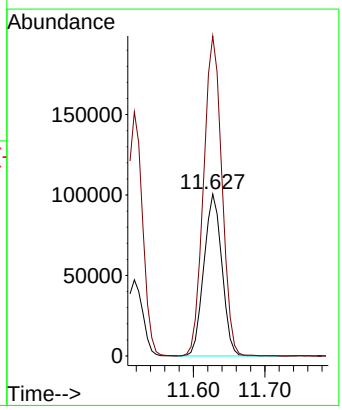
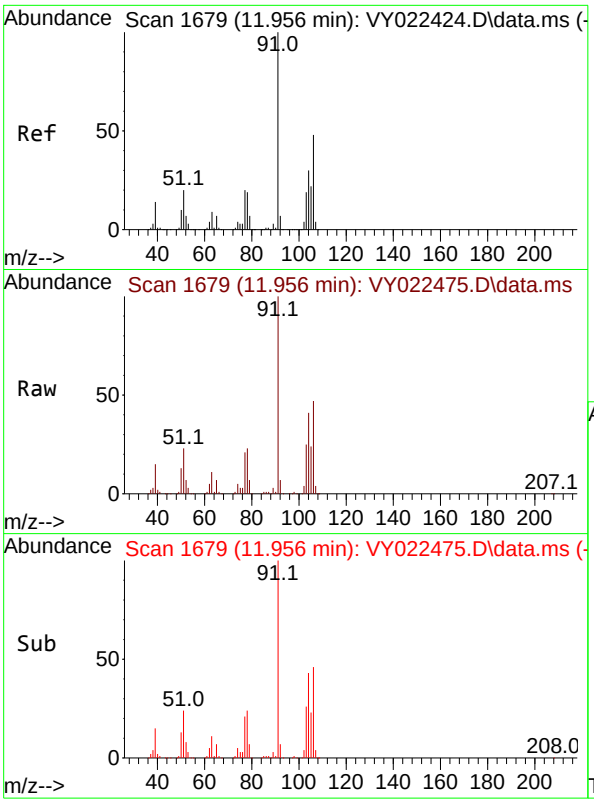


#68
m/p-Xylenes
Concen: 40.918 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion:106 Resp: 175815

Ion	Ratio	Lower	Upper
106	100		
91	201.3	159.8	239.8

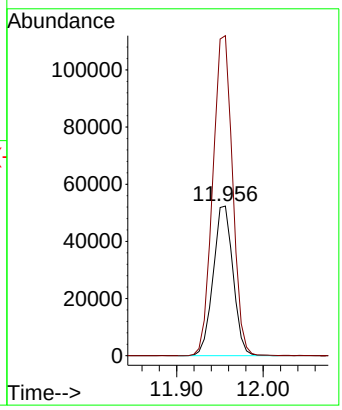




#69
o-Xylene
Concen: 20.671 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion:106 Resp: 8347

Ion	Ratio	Lower	Upper
106	100		
91	212.5	106.3	318.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

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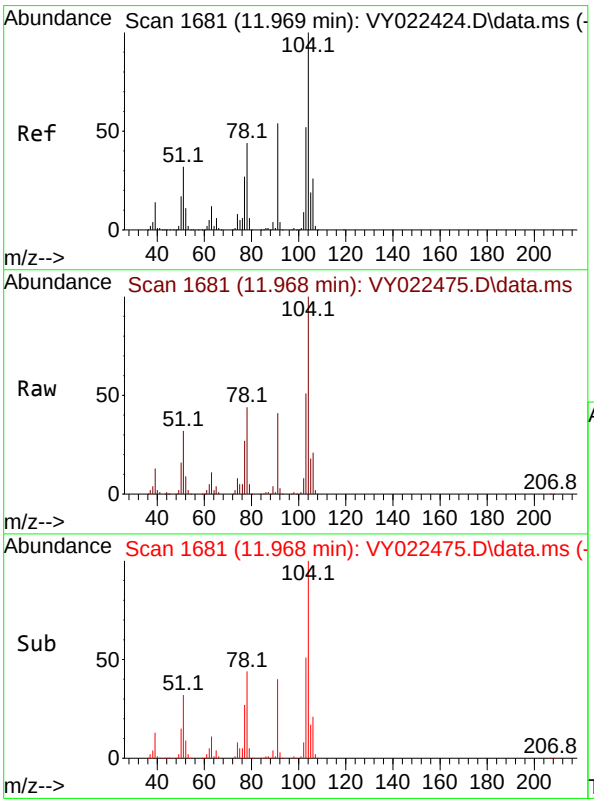
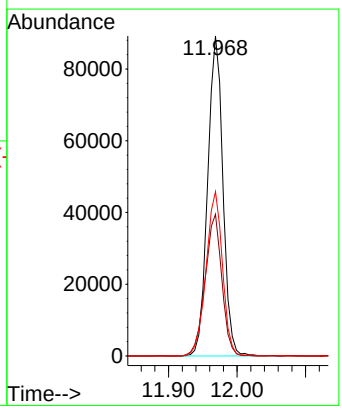
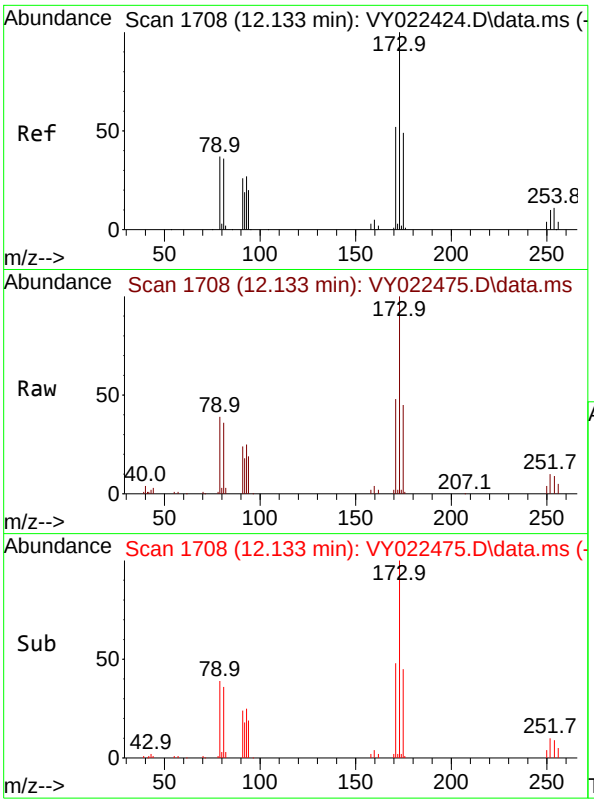


#70
Styrene
Concen: 20.555 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion:104 Resp: 138213

Ion	Ratio	Lower	Upper
104	100		
78	48.7	38.8	58.2
103	55.3	43.4	65.2

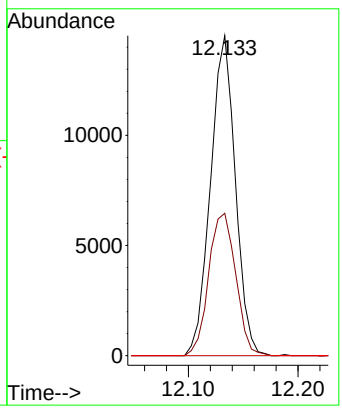




#71
Bromoform
Concen: 21.122 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion:173 Resp: 2287

Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	73.0
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

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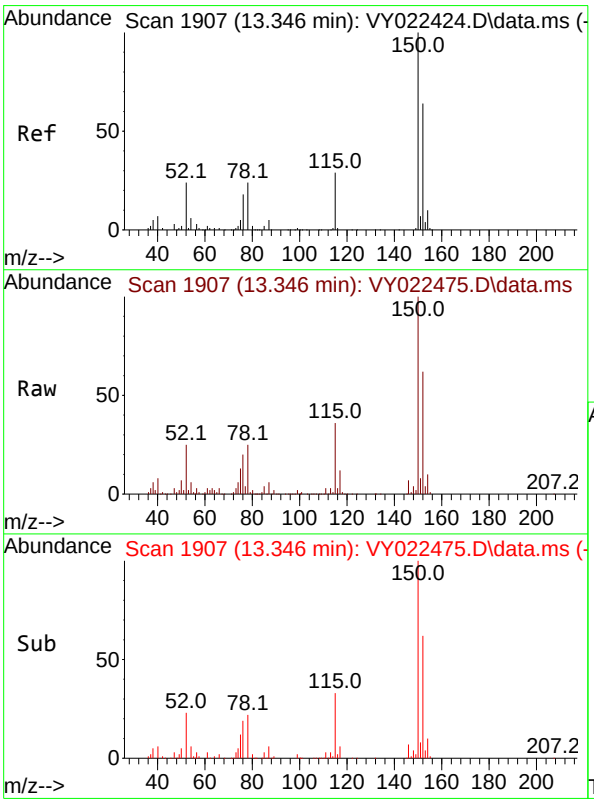
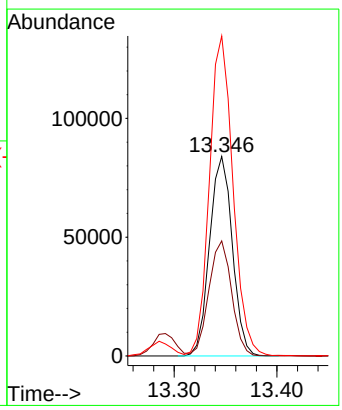
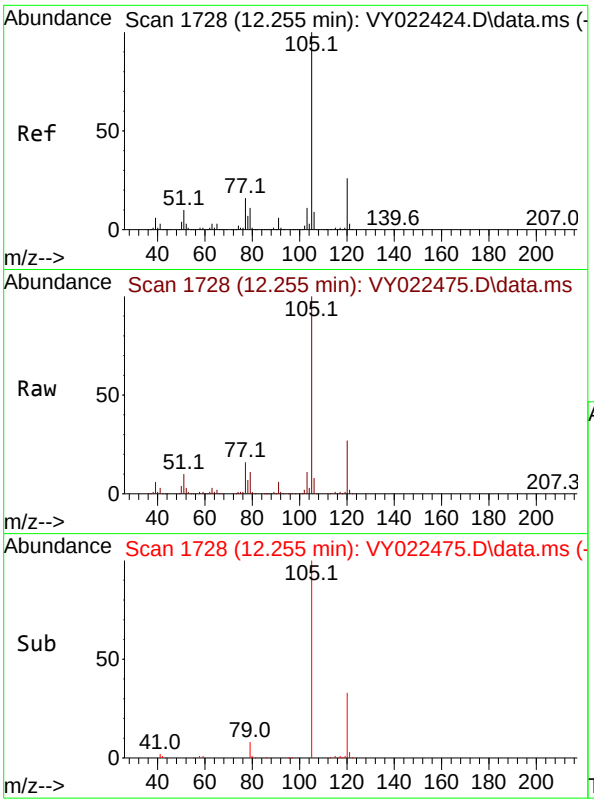


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion:152 Resp: 129296

Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.4	85.3
150	165.7	0.0	345.8

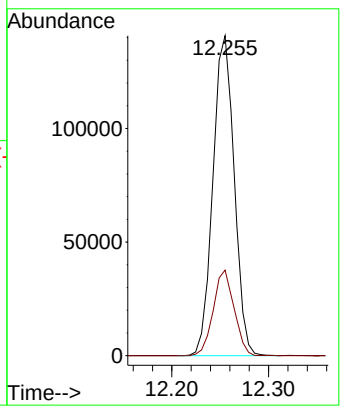




#73
Isopropylbenzene
Concen: 21.126 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion:105 Resp: 21497

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

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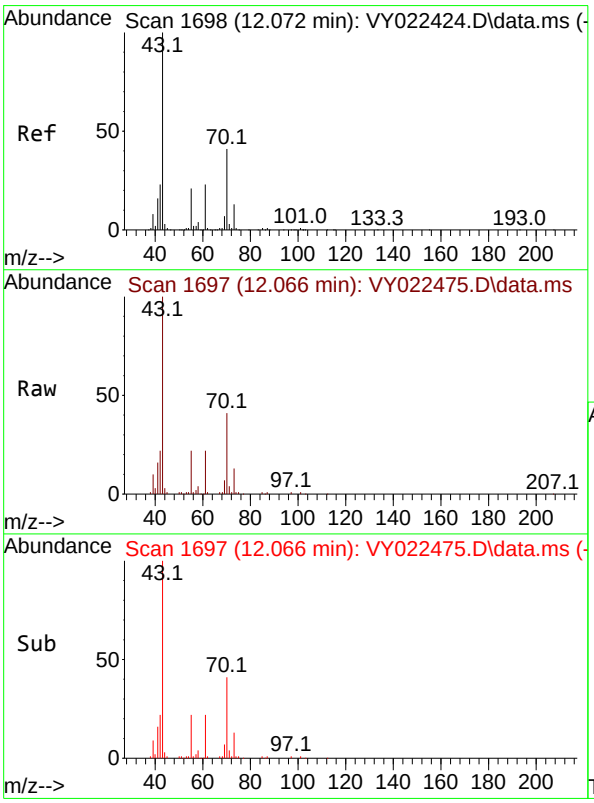
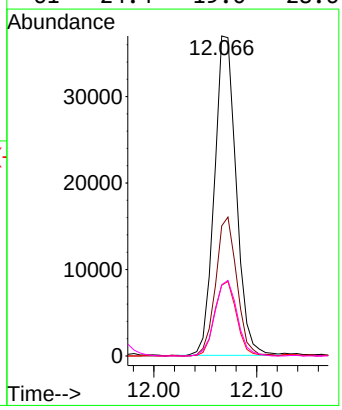
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

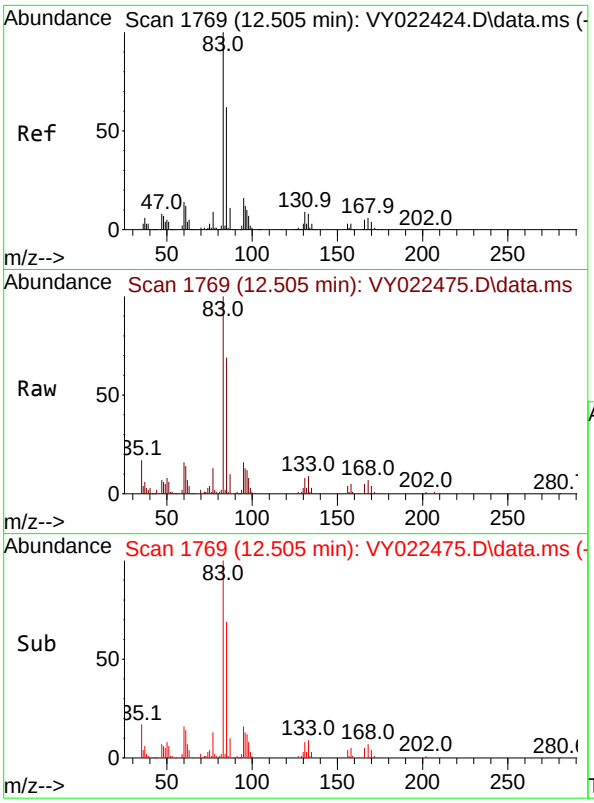


#74
N-amyl acetate
Concen: 21.831 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 43 Resp: 54359

Ion	Ratio	Lower	Upper
43	100		
70	42.5	33.0	49.4
55	23.4	17.5	26.3
61	24.4	19.0	28.6

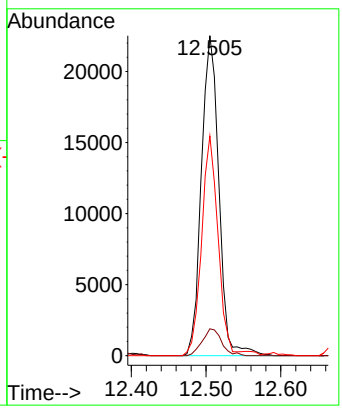




#75
1,1,2,2-Tetrachloroethane
Concen: 22.795 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 83 Resp: 3654

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.8	14.4
85	64.1	32.0	96.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

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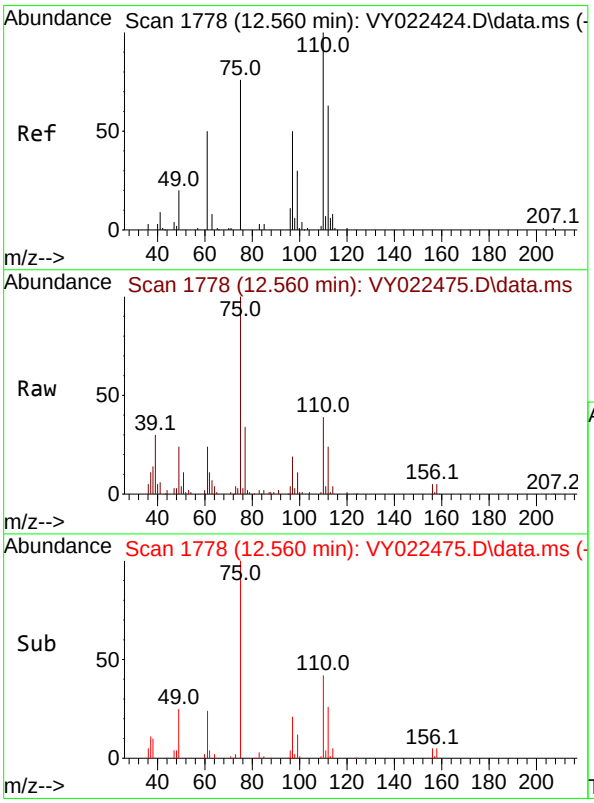
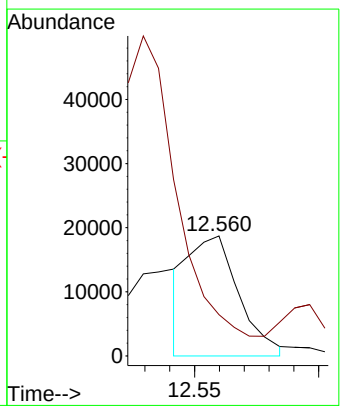
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

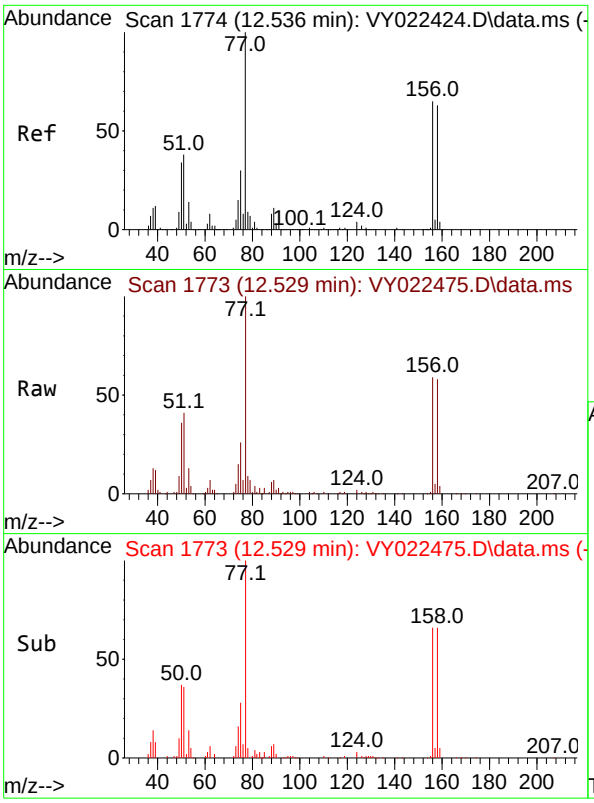


#76
1,2,3-Trichloropropane
Concen: 20.783 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 75 Resp: 26916

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

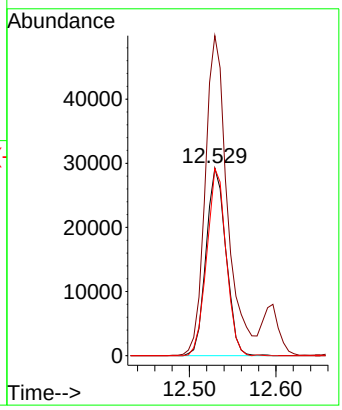




#77
Bromobenzene
Concen: 21.307 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion:156 Resp: 4666

Ion	Ratio	Lower	Upper
156	100		
77	191.3	91.4	274.2
158	97.0	48.1	144.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

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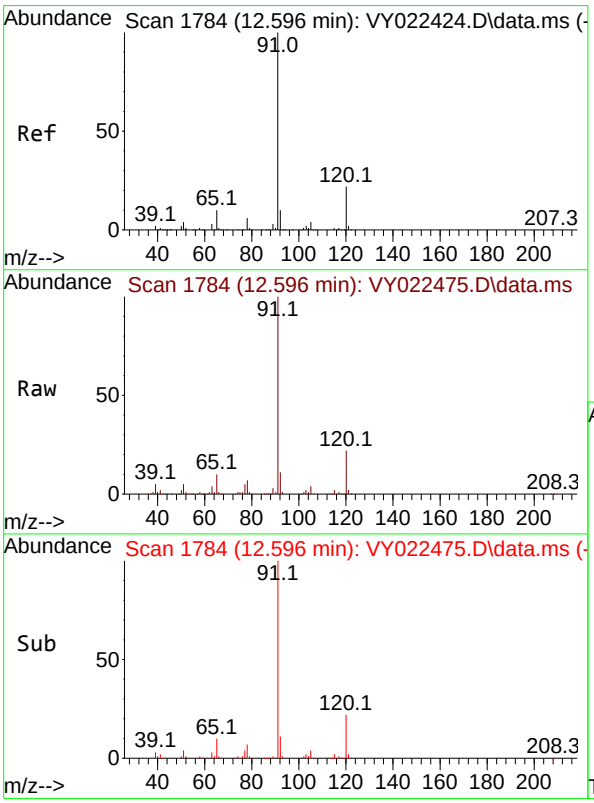
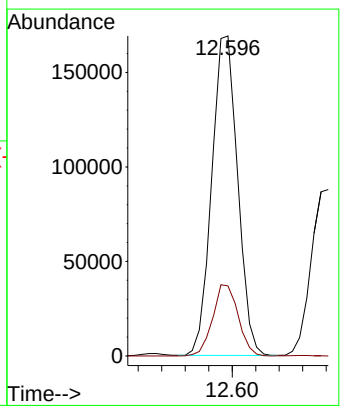
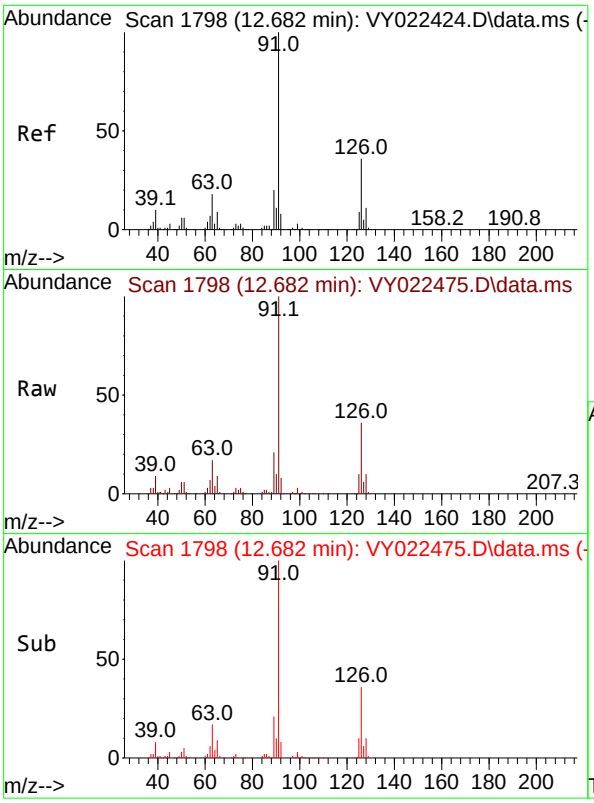


#78
n-propylbenzene
Concen: 21.196 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 91 Resp: 258848

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.2	33.5

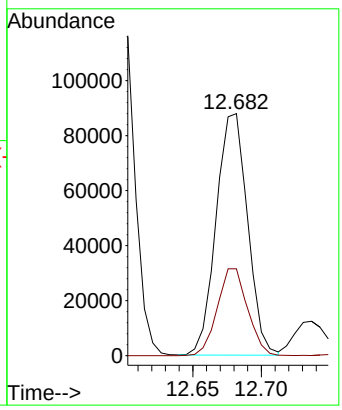




#79
2-Chlorotoluene
Concen: 21.197 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 91 Resp: 14012

Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.4	52.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

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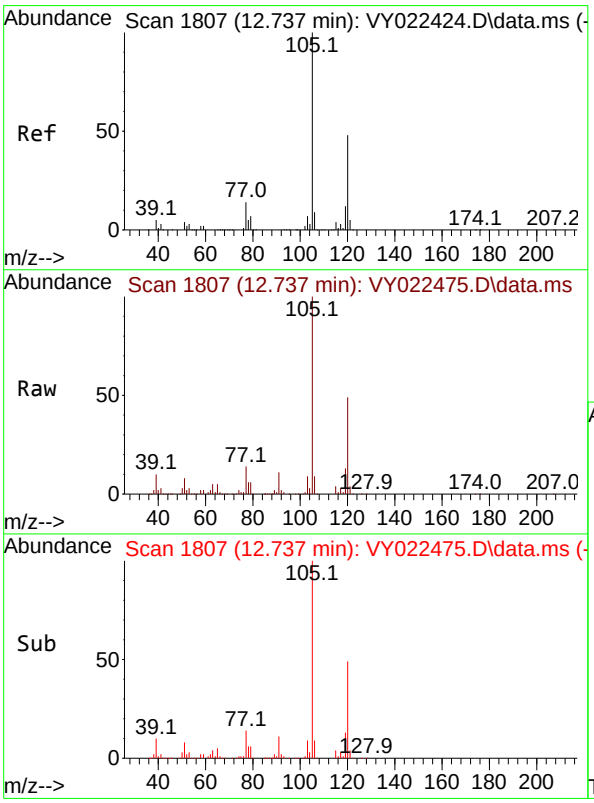
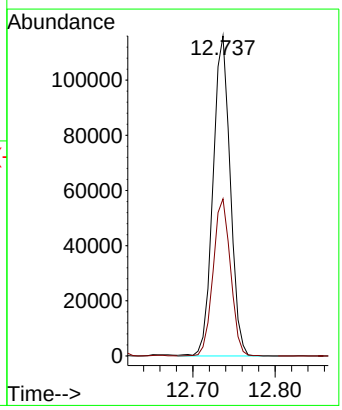
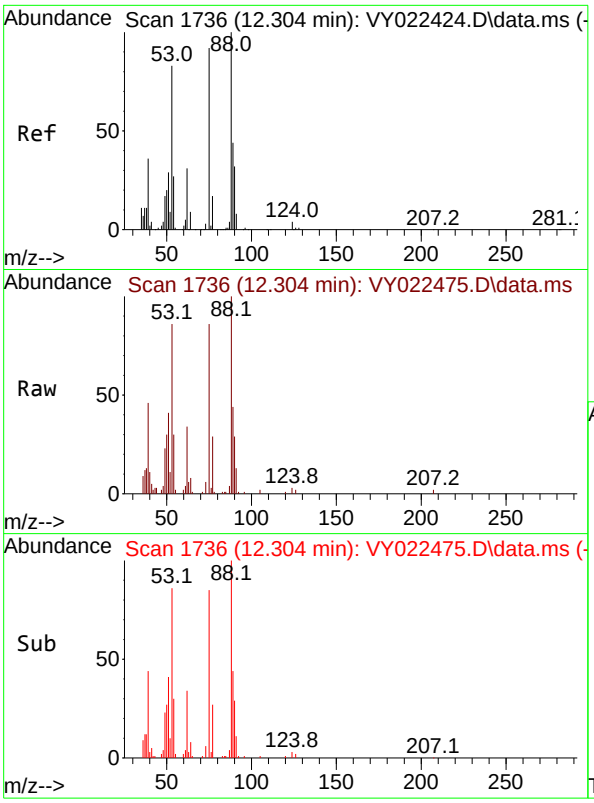


#80
1,3,5-Trimethylbenzene
Concen: 21.200 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion:105 Resp: 168562

Ion	Ratio	Lower	Upper
105	100		
120	49.6	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 20.219 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 75 Resp: 1157

Ion	Ratio	Lower	Upper
75	100		
53	101.9	75.1	112.7
89	47.1	37.4	56.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

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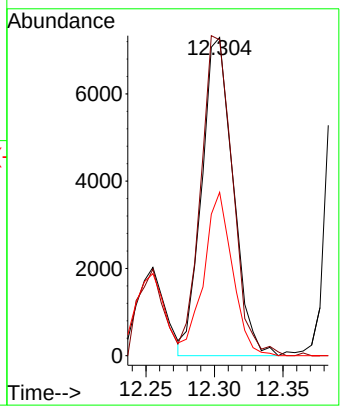
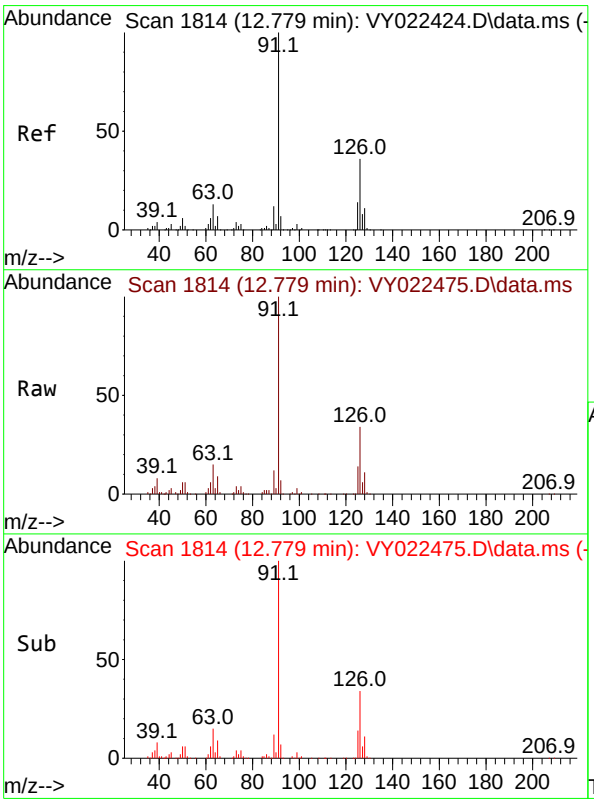
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

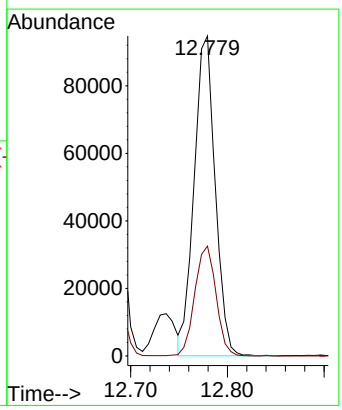


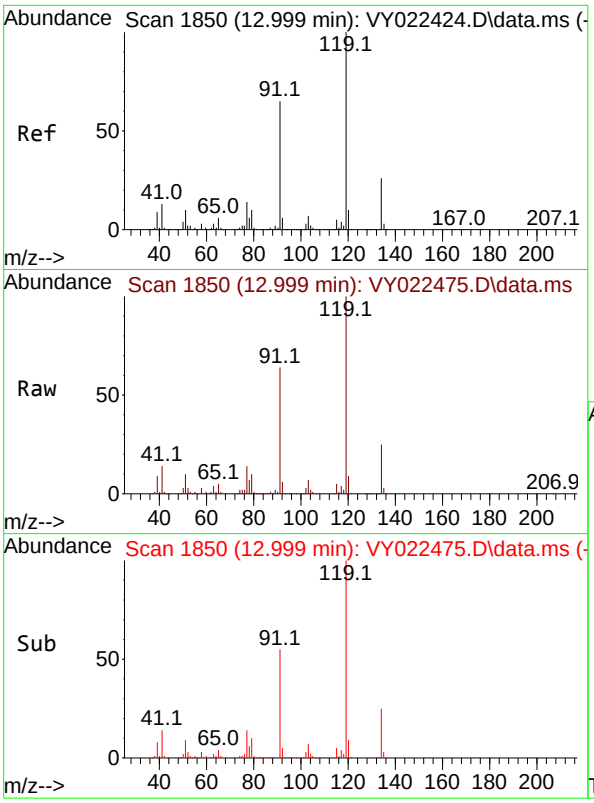


#82
4-Chlorotoluene
Concen: 21.050 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 91 Resp: 143318

Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.2	51.6

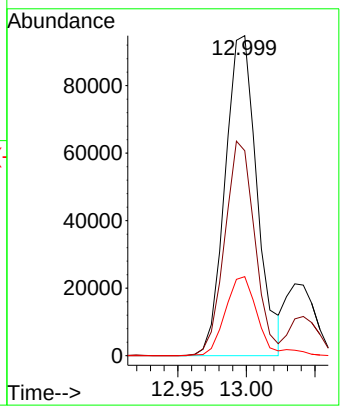




#83
tert-Butylbenzene
Concen: 21.337 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion:119 Resp: 15327

Ion	Ratio	Lower	Upper
119	100		
91	63.7	31.8	95.3
134	25.4	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

Manual Integrations
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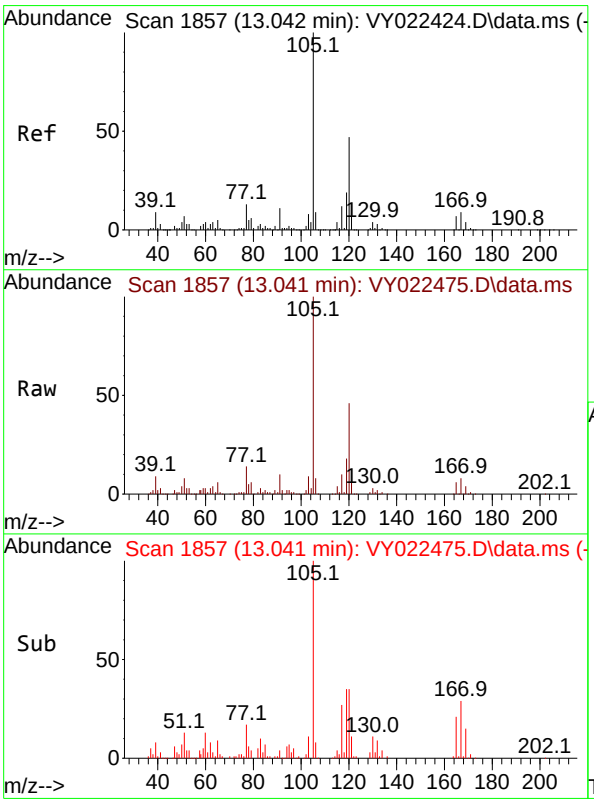
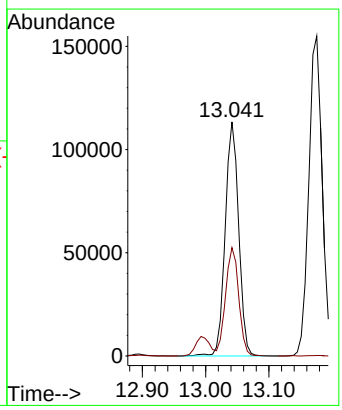
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

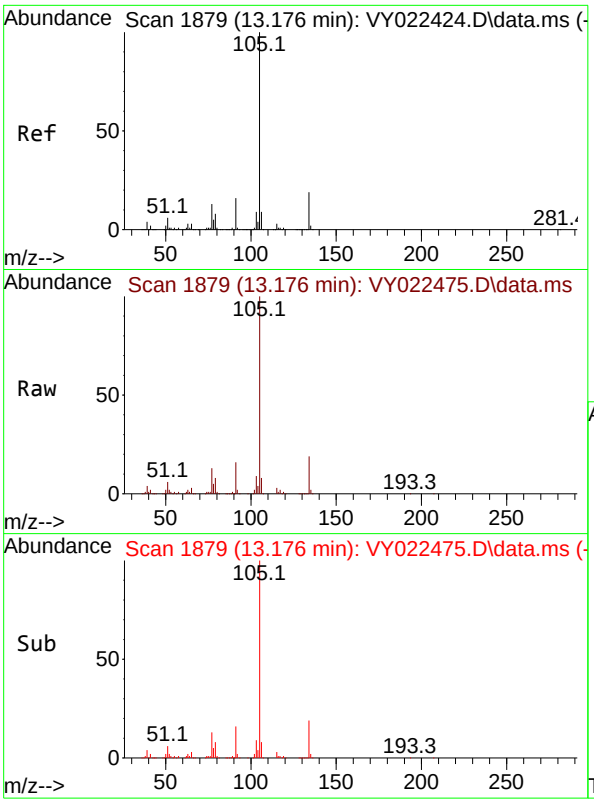


#84
1,2,4-Trimethylbenzene
Concen: 20.887 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion:105 Resp: 167123

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.9	68.5





#85
sec-Butylbenzene
Concen: 21.339 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion:105 Resp: 22733

Ion	Ratio	Lower	Upper
105	100		
134	20.0	9.7	29.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

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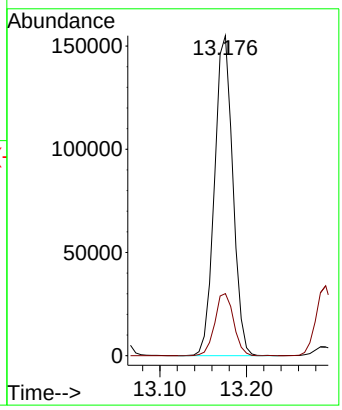
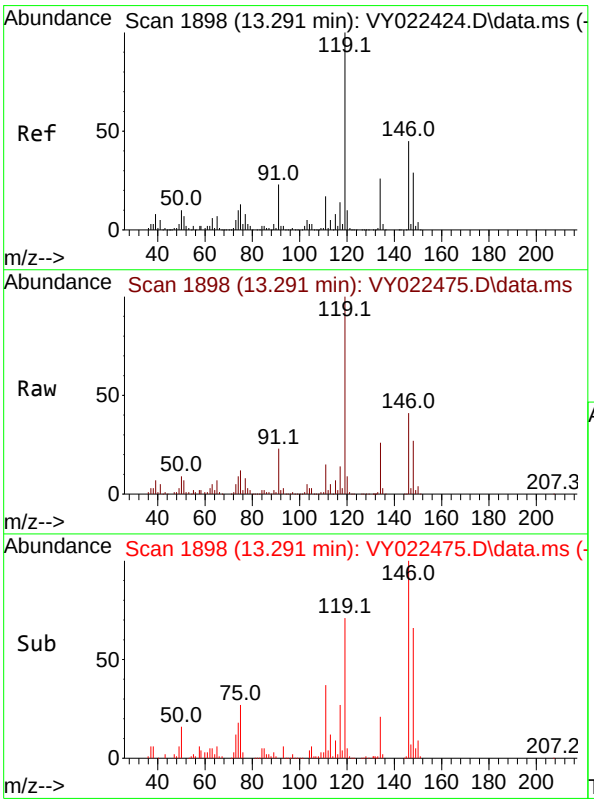
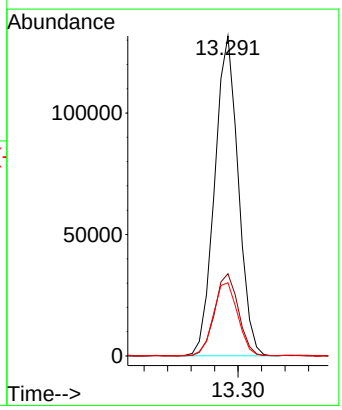


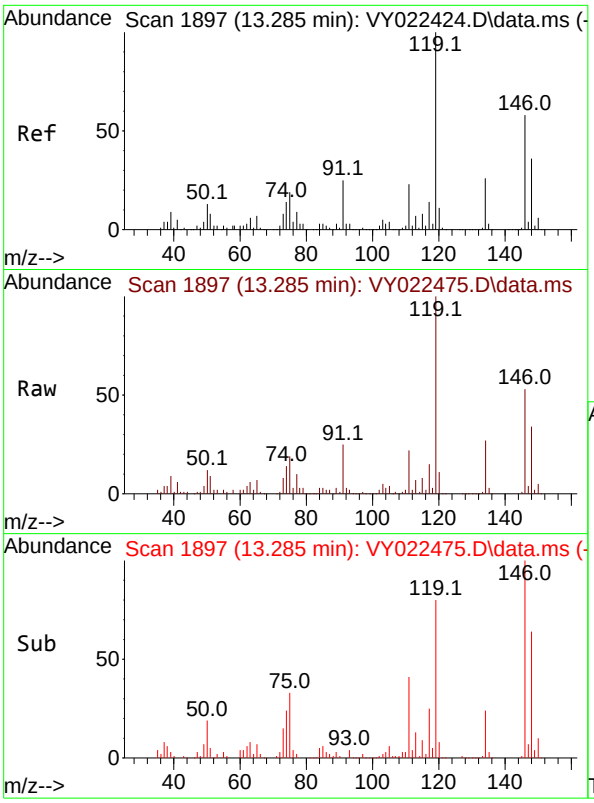


#86
p-Isopropyltoluene
Concen: 20.661 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion:119 Resp: 183805

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	39.0
91	23.5	11.6	34.8





#87
1,3-Dichlorobenzene
Concen: 20.859 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion:146 Resp: 9190

Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.6	58.8
148	63.8	31.7	95.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

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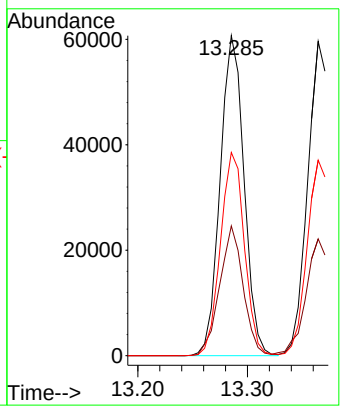
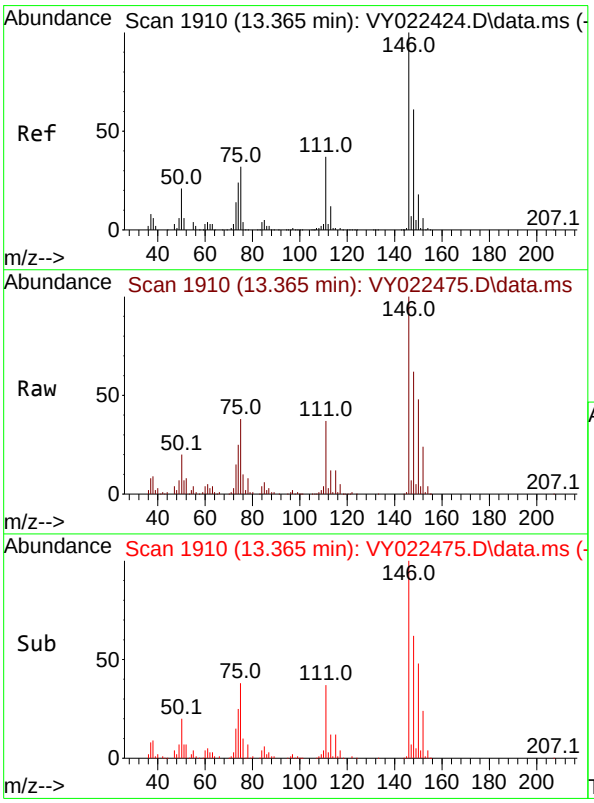
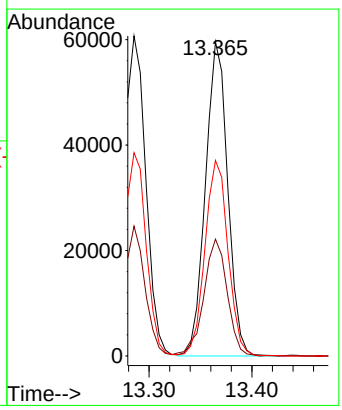


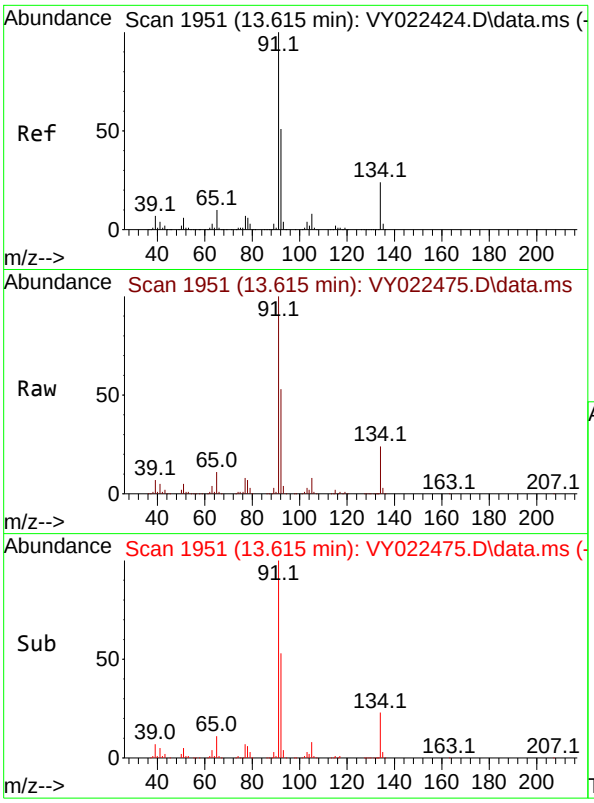


#88
1,4-Dichlorobenzene
Concen: 21.285 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion:146 Resp: 89674

Ion	Ratio	Lower	Upper
146	100		
111	39.2	18.7	56.1
148	64.5	31.4	94.3





#89
n-Butylbenzene
Concen: 21.392 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 91 Resp: 17844

Ion	Ratio	Lower	Upper
91	100		
92	50.9	25.9	77.6
134	24.2	12.4	37.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

Manual Integrations
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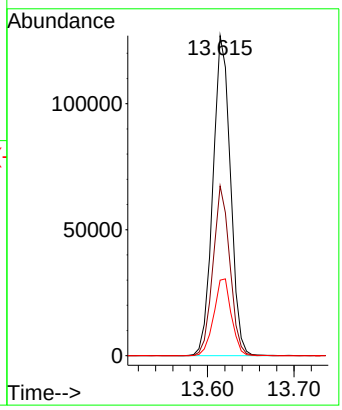
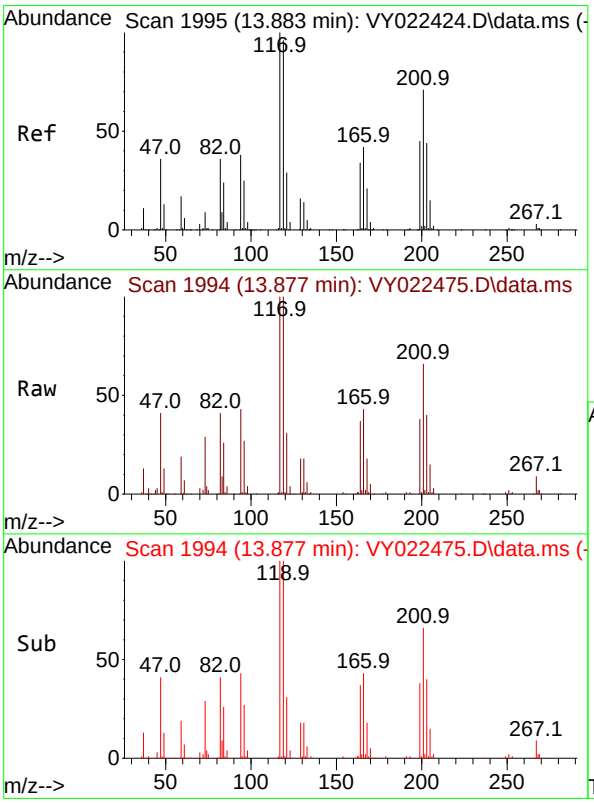
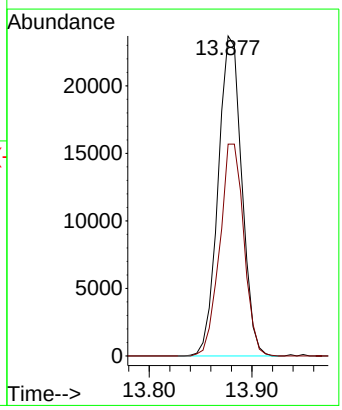


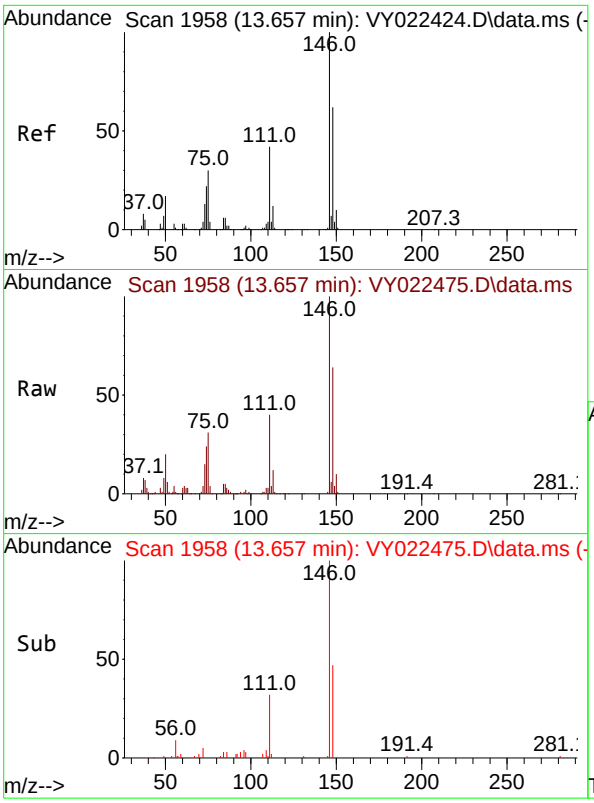


#90
Hexachloroethane
Concen: 21.335 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion:117 Resp: 37771

Ion	Ratio	Lower	Upper
117	100		
201	67.7	35.0	105.0

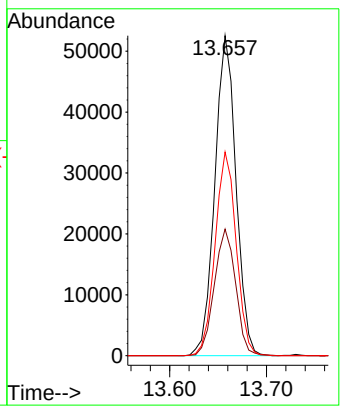




#91
1,2-Dichlorobenzene
Concen: 21.689 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion:146 Resp: 7982

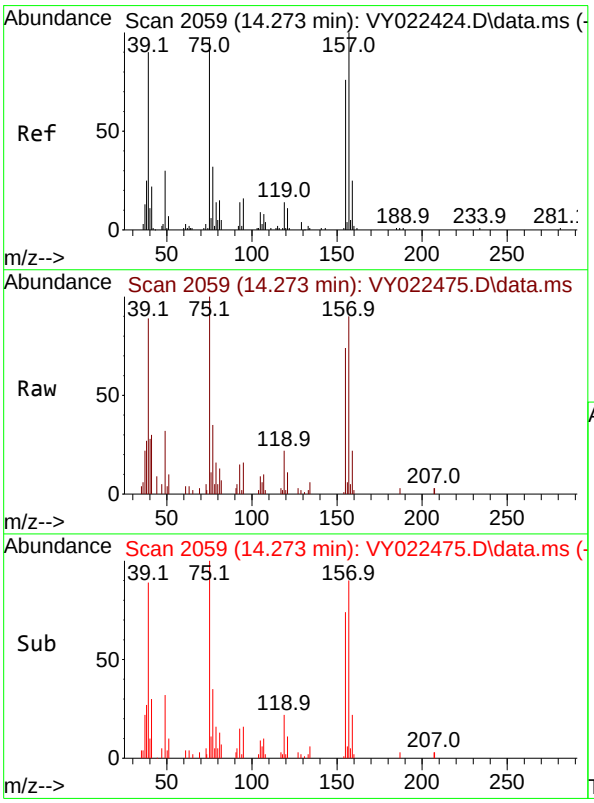
Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.5	61.6
148	63.4	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

Manual Integrations
APPROVED

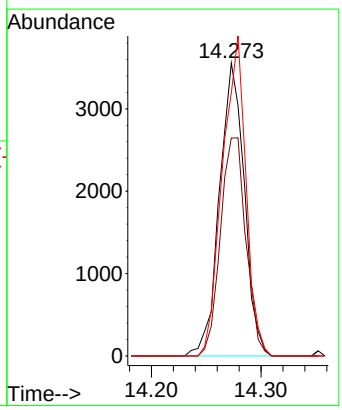
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

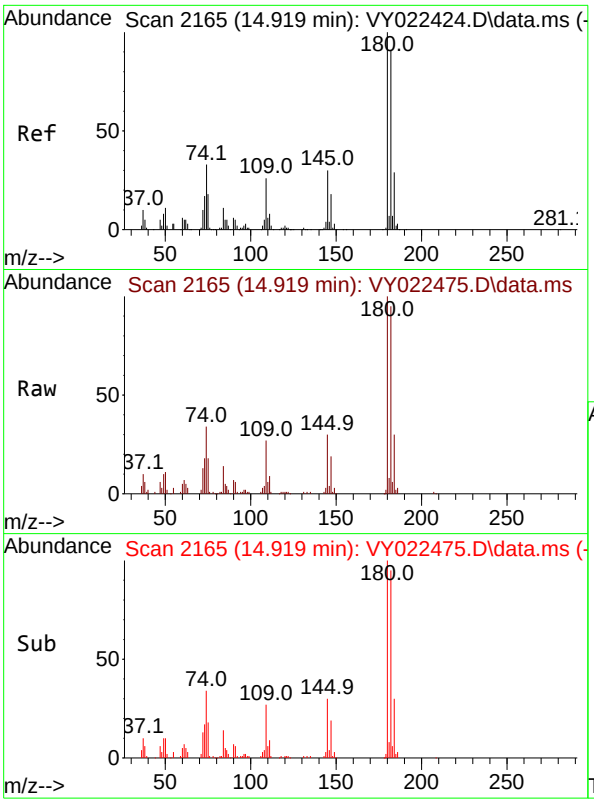


#92
1,2-Dibromo-3-Chloropropane
Concen: 22.564 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion: 75 Resp: 5590

Ion	Ratio	Lower	Upper
75	100		
155	76.2	42.3	126.8
157	103.2	54.4	163.3

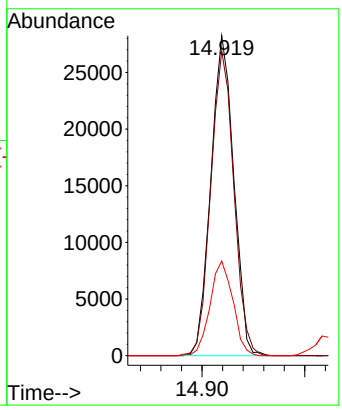




#93
1,2,4-Trichlorobenzene
Concen: 21.451 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion:180 Resp: 4376

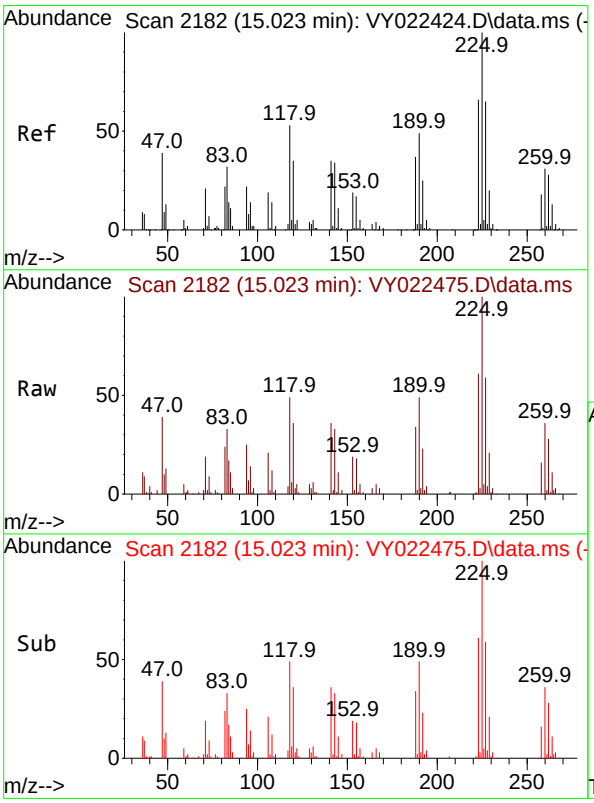
Ion	Ratio	Lower	Upper
180	100		
182	95.6	46.2	138.6
145	29.6	14.2	42.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

Manual Integrations
APPROVED

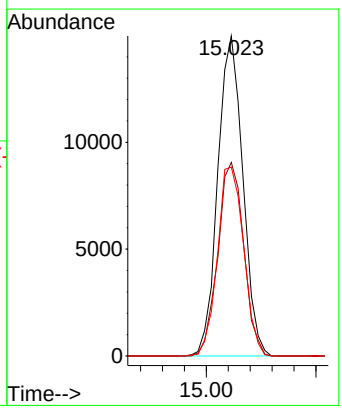
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

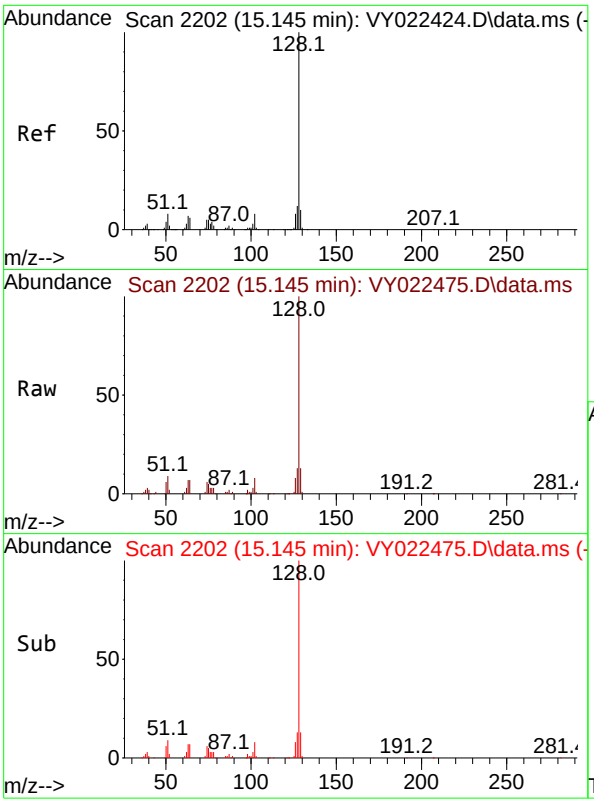


#94
Hexachlorobutadiene
Concen: 22.204 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion:225 Resp: 23775

Ion	Ratio	Lower	Upper
225	100		
223	62.2	32.6	97.7
227	61.7	33.0	99.0

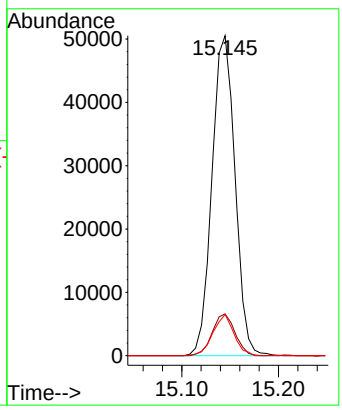




#95
Naphthalene
Concen: 22.153 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion:128 Resp: 8355

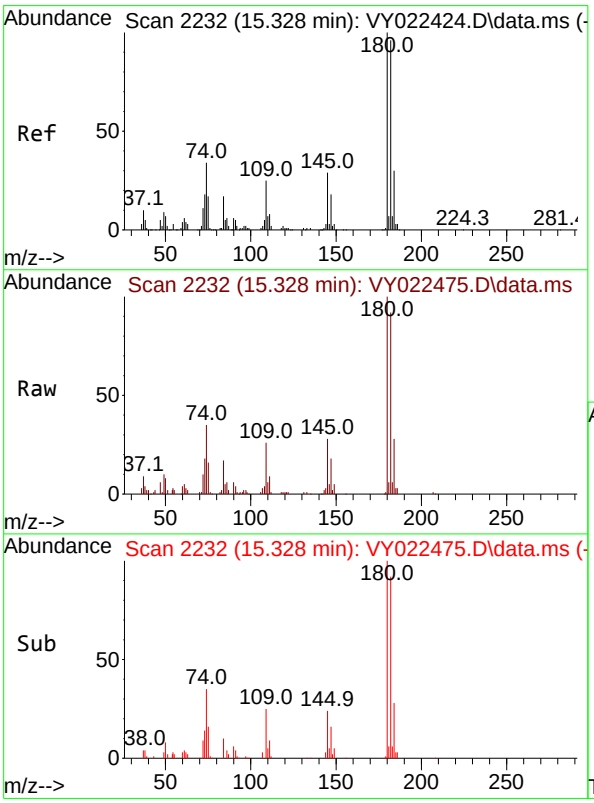
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	11.8	8.5	12.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

Manual Integrations
APPROVED

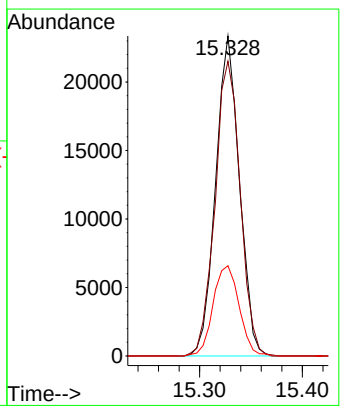
Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025



#96
1,2,3-Trichlorobenzene
Concen: 22.405 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022475.D
Acq: 30 May 2025 13:37

Tgt Ion:180 Resp: 37490

Ion	Ratio	Lower	Upper
180	100		
182	97.7	48.1	144.3
145	30.9	14.9	44.5



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

Manual Integration Report

Sequence:	VY052725	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY022421.D	1,2,3-Trichloropropane	Amit	5/28/2025 12:55:29 PM	MMDadoda	5/28/2025 12:56:04 PM	Peak Integrated by Software
VSTDICC005	VY022421.D	Methacrylonitrile	Amit	5/28/2025 12:55:29 PM	MMDadoda	5/28/2025 12:56:04 PM	Peak Integrated by Software
VSTDICC005	VY022421.D	Tert butyl alcohol	Amit	5/28/2025 12:55:29 PM	MMDadoda	5/28/2025 12:56:04 PM	Peak Integrated by Software
VSTDICC010	VY022422.D	1,2,3-Trichloropropane	Amit	5/28/2025 12:55:43 PM	MMDadoda	5/28/2025 12:56:10 PM	Peak Integrated by Software
VSTDICC010	VY022422.D	Methacrylonitrile	Amit	5/28/2025 12:55:43 PM	MMDadoda	5/28/2025 12:56:10 PM	Peak Integrated by Software
VSTDICC020	VY022423.D	1,2,3-Trichloropropane	Amit	5/28/2025 12:55:47 PM	MMDadoda	5/28/2025 12:56:14 PM	Peak Integrated by Software
VSTDICC020	VY022423.D	Methacrylonitrile	Amit	5/28/2025 12:55:47 PM	MMDadoda	5/28/2025 12:56:14 PM	Peak Integrated by Software
VSTDICCC050	VY022424.D	1,2,3-Trichloropropane	Amit	5/28/2025 12:55:51 PM	MMDadoda	5/28/2025 12:56:29 PM	Peak Integrated by Software
VSTDICC100	VY022425.D	1,2,3-Trichloropropane	Amit	5/28/2025 12:55:55 PM	MMDadoda	5/28/2025 12:56:33 PM	Peak Integrated by Software
VSTDICC150	VY022426.D	1,2,3-Trichloropropane	Amit	5/28/2025 12:55:59 PM	MMDadoda	5/28/2025 12:56:36 PM	Peak Integrated by Software
VSTDICC150	VY022426.D	Methacrylonitrile	Amit	5/28/2025 12:55:59 PM	MMDadoda	5/28/2025 12:56:36 PM	Peak Integrated by Software
VSTDICV050	VY022428.D	1,2,3-Trichloropropane	Amit	5/28/2025 12:56:03 PM	MMDadoda	5/28/2025 12:56:40 PM	Peak Integrated by Software
VSTDICV050	VY022428.D	Methacrylonitrile	Amit	5/28/2025 12:56:03 PM	MMDadoda	5/28/2025 12:56:40 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY052725	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022438.D	1,2,3-Trichloropropane	Amit	5/28/2025 12:56:20 PM	MMDadoda	5/28/2025 12:56:54 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vy053025	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022472.D	1,2,3-Trichloropropane	JOHN	6/2/2025 1:22:50 PM	MMDadoda	6/2/2025 1:32:47 PM	Peak Integrated by Software
VSTDCCC050	VY022472.D	Methacrylonitrile	JOHN	6/2/2025 1:22:50 PM	MMDadoda	6/2/2025 1:32:47 PM	Peak Integrated by Software
VY0530SBS01	VY022474.D	1,2,3-Trichloropropane	JOHN	6/2/2025 1:22:54 PM	MMDadoda	6/2/2025 1:32:49 PM	Peak Integrated by Software
VY0530SBS01	VY022474.D	Methacrylonitrile	JOHN	6/2/2025 1:22:54 PM	MMDadoda	6/2/2025 1:32:49 PM	Peak Integrated by Software
VY0530SBSD01	VY022475.D	1,2,3-Trichloropropane	JOHN	6/2/2025 1:22:58 PM	MMDadoda	6/2/2025 1:32:51 PM	Peak Integrated by Software
VSTDCCC050	VY022487.D	1,2,3-Trichloropropane	JOHN	6/2/2025 1:23:07 PM	MMDadoda	6/2/2025 1:32:54 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vy060225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY022491.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:25 AM	MMDadoda	6/3/2025 2:38:13 PM	Peak Integrated by Software
VSTDICC005	VY022491.D	1,4-Dioxane	SAM	6/3/2025 8:26:25 AM	MMDadoda	6/3/2025 2:38:13 PM	Peak Integrated by Software
VSTDICC005	VY022491.D	Ethyl Acetate	SAM	6/3/2025 8:26:25 AM	MMDadoda	6/3/2025 2:38:13 PM	Peak Integrated by Software
VSTDICC010	VY022492.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:30 AM	MMDadoda	6/3/2025 2:38:15 PM	Peak Integrated by Software
VSTDICC010	VY022492.D	Dibromomethane	SAM	6/3/2025 8:26:30 AM	MMDadoda	6/3/2025 2:38:15 PM	Peak Integrated by Software
VSTDICC010	VY022492.D	Methacrylonitrile	SAM	6/3/2025 8:26:30 AM	MMDadoda	6/3/2025 2:38:15 PM	Peak Integrated by Software
VSTDICC020	VY022493.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:28:00 AM	MMDadoda	6/3/2025 2:38:17 PM	Peak Integrated by Software
VSTDICCC050	VY022494.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:28:05 AM	MMDadoda	6/3/2025 2:38:19 PM	Peak Integrated by Software
VSTDICC100	VY022495.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:35 AM	MMDadoda	6/3/2025 2:38:20 PM	Peak Integrated by Software
VSTDICC100	VY022495.D	Methacrylonitrile	SAM	6/3/2025 8:26:35 AM	MMDadoda	6/3/2025 2:38:20 PM	Peak Integrated by Software
VSTDICC150	VY022496.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:28:09 AM	MMDadoda	6/3/2025 2:38:22 PM	Peak Integrated by Software
VSTDICV050	VY022498.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:42 AM	MMDadoda	6/3/2025 2:38:25 PM	Peak Integrated by Software
VY0602SBS01	VY022500.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:52 AM	MMDadoda	6/3/2025 2:38:26 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vy060225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022509.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:27:00 AM	MMDadoda	6/3/2025 2:38:29 PM	Peak Integrated by Software

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY052725

Review By	Amit Patel	Review On	5/28/2025 12:56:58 PM				
Supervise By	Mahesh Dadoda	Supervise On	5/28/2025 12:57:05 PM				
SubDirectory	VY052725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y052725s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134020
Initial Calibration Stds	VP134021,VP134022,VP134024,VP134026,VP134028,VP134029
CCC	VP134031
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134030
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022420.D	27 May 2025 08:20	SY/MD	Ok
2	VSTDICC005	VY022421.D	27 May 2025 08:50	SY/MD	Ok,M
3	VSTDICC010	VY022422.D	27 May 2025 09:14	SY/MD	Ok,M
4	VSTDICC020	VY022423.D	27 May 2025 09:36	SY/MD	Ok,M
5	VSTDICCC050	VY022424.D	27 May 2025 09:59	SY/MD	Ok,M
6	VSTDICC100	VY022425.D	27 May 2025 10:22	SY/MD	Ok,M
7	VSTDICC150	VY022426.D	27 May 2025 10:44	SY/MD	Ok,M
8	VIBLK	VY022427.D	27 May 2025 11:20	SY/MD	Ok
9	VSTDICV050	VY022428.D	27 May 2025 11:56	SY/MD	Ok,M
10	VY0527SBL01	VY022429.D	27 May 2025 13:12	SY/MD	Ok
11	VY0527SBS01	VY022430.D	27 May 2025 13:35	SY/MD	Ok,M
12	VY0527SBSD01	VY022431.D	27 May 2025 13:57	SY/MD	Ok,M
13	Q2118-11RE	VY022432.D	27 May 2025 14:27	SY/MD	Confirms
14	Q2113-01	VY022433.D	27 May 2025 14:51	SY/MD	Not Ok
15	Q2128-03	VY022434.D	27 May 2025 15:14	SY/MD	Ok
16	Q2127-11RE	VY022435.D	27 May 2025 15:38	SY/MD	Confirms
17	Q2130-01	VY022436.D	27 May 2025 16:01	SY/MD	Ok
18	VIBLK	VY022437.D	27 May 2025 16:24	SY/MD	Ok
19	VSTDCCC050	VY022438.D	27 May 2025 17:10	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY053025

Review By	Mahesh Dadoda	Review On	6/2/2025 1:32:58 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/2/2025 1:35:00 PM				
SubDirectory	VY053025	HP Acquire Method	MSVOA_Y	HP Processing Method	82y052725s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134076
Initial Calibration Stds	
CCC	VP134077,VP134078
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022471.D	30 May 2025 07:54	SY/MD	Ok
2	VSTDCCC050	VY022472.D	30 May 2025 11:20	SY/MD	Ok,M
3	VY0530SBL01	VY022473.D	30 May 2025 12:42	SY/MD	Ok
4	VY0530SBS01	VY022474.D	30 May 2025 13:14	SY/MD	Ok,M
5	VY0530SBSD01	VY022475.D	30 May 2025 13:37	SY/MD	Ok,M
6	Q2151-03	VY022476.D	30 May 2025 14:18	SY/MD	Ok
7	Q2152-01	VY022477.D	30 May 2025 14:41	SY/MD	Ok
8	Q2153-01	VY022478.D	30 May 2025 15:04	SY/MD	ReRun
9	Q2159-02	VY022479.D	30 May 2025 15:28	SY/MD	Ok
10	Q2160-06	VY022480.D	30 May 2025 15:51	SY/MD	Ok
11	Q2173-02	VY022481.D	30 May 2025 16:15	SY/MD	Ok
12	Q2173-08	VY022482.D	30 May 2025 16:38	SY/MD	Ok
13	Q2173-14	VY022483.D	30 May 2025 17:02	SY/MD	Ok
14	Q2161-01	VY022484.D	30 May 2025 17:25	SY/MD	Not Ok
15	Q2161-02	VY022485.D	30 May 2025 17:48	SY/MD	Ok
16	VIBLK	VY022486.D	30 May 2025 18:12	SY/MD	Ok
17	VSTDCCC050	VY022487.D	30 May 2025 18:57	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060225

Review By	Mahesh Dadoda	Review On	6/3/2025 2:38:36 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM				
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M		

STD. NAME	STD REF.#
Tune/Reschk	VP134084
Initial Calibration Stds	VP134085,VP134086,VP134087,VP134088,VP134089,VP134090
CCC	VP134092,VP134093
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134091
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022488.D	02 Jun 2025 08:31	SY/MD	Ok
2	VSTDCCC050	VY022489.D	02 Jun 2025 09:08	SY/MD	Not Ok
3	VY0602SBL01	VY022490.D	02 Jun 2025 10:38	SY/MD	Not Ok
4	VSTDICC005	VY022491.D	02 Jun 2025 11:46	SY/MD	Ok,M
5	VSTDICC010	VY022492.D	02 Jun 2025 12:09	SY/MD	Ok,M
6	VSTDICC020	VY022493.D	02 Jun 2025 12:32	SY/MD	Ok,M
7	VSTDICCC050	VY022494.D	02 Jun 2025 12:54	SY/MD	Ok,M
8	VSTDICC100	VY022495.D	02 Jun 2025 13:17	SY/MD	Ok,M
9	VSTDICC150	VY022496.D	02 Jun 2025 13:39	SY/MD	Ok,M
10	VIBLK	VY022497.D	02 Jun 2025 14:03	SY/MD	Ok
11	VSTDICV050	VY022498.D	02 Jun 2025 14:59	SY/MD	Ok,M
12	VY0602SBL02	VY022499.D	02 Jun 2025 16:00	SY/MD	Ok
13	VY0602SBS01	VY022500.D	02 Jun 2025 16:24	SY/MD	Ok,M
14	VY0602SBSD01	VY022501.D	02 Jun 2025 16:47	SY/MD	Ok,M
15	Q2160-02	VY022502.D	02 Jun 2025 17:10	SY/MD	Ok
16	Q2152-01	VY022503.D	02 Jun 2025 17:34	SY/MD	Not Ok
17	Q2153-01RE	VY022504.D	02 Jun 2025 17:57	SY/MD	Confirms
18	Q2147-02	VY022505.D	02 Jun 2025 18:21	SY/MD	Not Ok
19	Q2150-02	VY022506.D	02 Jun 2025 18:44	SY/MD	Ok
20	Q2150-05RE	VY022507.D	02 Jun 2025 19:08	SY/MD	Confirms
21	Q2161-01	VY022508.D	02 Jun 2025 19:31	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060225

Review By	Mahesh Dadoda	Review On	6/3/2025 2:38:36 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM				
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M		

STD. NAME	STD REF.#
Tune/Reschk	VP134084
Initial Calibration Stds	VP134085,VP134086,VP134087,VP134088,VP134089,VP134090
CCC	VP134092,VP134093
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134091
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC050	VY022509.D	02 Jun 2025 19:54	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY052725

Review By	Amit Patel	Review On	5/28/2025 12:56:58 PM		
Supervise By	Mahesh Dadoda	Supervise On	5/28/2025 12:57:05 PM		
SubDirectory	VY052725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y052725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134020
Initial Calibration Stds	VP134021,VP134022,VP134024,VP134026,VP134028,VP134029
CCC	VP134031
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134030
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022420.D	27 May 2025 08:20		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY022421.D	27 May 2025 08:50		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY022422.D	27 May 2025 09:14		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY022423.D	27 May 2025 09:36		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY022424.D	27 May 2025 09:59		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY022425.D	27 May 2025 10:22		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY022426.D	27 May 2025 10:44		SY/MD	Ok,M
8	VIBLK	VIBLK	VY022427.D	27 May 2025 11:20		SY/MD	Ok
9	VSTDICV050	ICVVY052725	VY022428.D	27 May 2025 11:56		SY/MD	Ok,M
10	VY0527SBL01	VY0527SBL01	VY022429.D	27 May 2025 13:12		SY/MD	Ok
11	VY0527SBS01	VY0527SBS01	VY022430.D	27 May 2025 13:35		SY/MD	Ok,M
12	VY0527SBSD01	VY0527SBSD01	VY022431.D	27 May 2025 13:57		SY/MD	Ok,M
13	Q2118-11RE	BP-VPB-182-GW-500-5	VY022432.D	27 May 2025 14:27	vial-B Surrogate Fail	SY/MD	Confirms
14	Q2113-01	HD-02-05222025	VY022433.D	27 May 2025 14:51	vial-B not purged	SY/MD	Not Ok
15	Q2128-03	TP03-MHM-VOC	VY022434.D	27 May 2025 15:14	vial-A	SY/MD	Ok
16	Q2127-11RE	COMP-2RE	VY022435.D	27 May 2025 15:38	vial-B Internal Standard Fail	SY/MD	Confirms
17	Q2130-01	TP-3	VY022436.D	27 May 2025 16:01	vial-A	SY/MD	Ok
18	VIBLK	VIBLK	VY022437.D	27 May 2025 16:24		SY/MD	Ok

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY052725

Review By	Amit Patel	Review On	5/28/2025 12:56:58 PM		
Supervise By	Mahesh Dadoda	Supervise On	5/28/2025 12:57:05 PM		
SubDirectory	VY052725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y052725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134020
Initial Calibration Stds	VP134021,VP134022,VP134024,VP134026,VP134028,VP134029
CCC	VP134031
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134030
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	VSTDCCC050	VSTDCCC050EC	VY022438.D	27 May 2025 17:10		SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY053025

Review By	Mahesh Dadoda	Review On	6/2/2025 1:32:58 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/2/2025 1:35:00 PM		
SubDirectory	VY053025	HP Acquire Method	MSVOA_Y	HP Processing Method	82y052725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134076
Initial Calibration Stds	
CCC	VP134077,VP134078
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022471.D	30 May 2025 07:54		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022472.D	30 May 2025 11:20		SY/MD	Ok,M
3	VY0530SBL01	VY0530SBL01	VY022473.D	30 May 2025 12:42		SY/MD	Ok
4	VY0530SBS01	VY0530SBS01	VY022474.D	30 May 2025 13:14		SY/MD	Ok,M
5	VY0530SBSD01	VY0530SBSD01	VY022475.D	30 May 2025 13:37		SY/MD	Ok,M
6	Q2151-03	WC-1-VOC	VY022476.D	30 May 2025 14:18	vial A	SY/MD	Ok
7	Q2152-01	OK-02-05292025	VY022477.D	30 May 2025 14:41	Internal Standard Fail; Surrogate Fail,vial A	SY/MD	Ok
8	Q2153-01	TR-04-0592025	VY022478.D	30 May 2025 15:04	Internal and surrogate fail,vial A	SY/MD	ReRun
9	Q2159-02	TP05-MHO-VOC	VY022479.D	30 May 2025 15:28	vial A	SY/MD	Ok
10	Q2160-06	TP05-MHH-VOC	VY022480.D	30 May 2025 15:51	vial A	SY/MD	Ok
11	Q2173-02	OR-400-CF-402B-VOC	VY022481.D	30 May 2025 16:15	vial A	SY/MD	Ok
12	Q2173-08	OR-400-CF-402B-VOC	VY022482.D	30 May 2025 16:38	vial A	SY/MD	Ok
13	Q2173-14	OR-400-CF-402B-VOC	VY022483.D	30 May 2025 17:02	vial A	SY/MD	Ok
14	Q2161-01	B27-SOIL-SAMPLE	VY022484.D	30 May 2025 17:25	not purge,vial A	SY/MD	Not Ok
15	Q2161-02	B28-SOIL-SAMPLE	VY022485.D	30 May 2025 17:48	Internal Standard Fail; Surrogate Fail,vial A	SY/MD	Ok
16	VIBLK	VIBLK	VY022486.D	30 May 2025 18:12		SY/MD	Ok
17	VSTDCCC050	VSTDCCC050EC	VY022487.D	30 May 2025 18:57		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060225

Review By	Mahesh Dadoda	Review On	6/3/2025 2:38:36 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM		
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M

STD. NAME	STD REF.#
Tune/Reschk	VP134084
Initial Calibration Stds	VP134085,VP134086,VP134087,VP134088,VP134089,VP134090
CCC	VP134092,VP134093
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134091
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022488.D	02 Jun 2025 08:31		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022489.D	02 Jun 2025 09:08	Need ICAL	SY/MD	Not Ok
3	VY0602SBL01	VY0602SBL01	VY022490.D	02 Jun 2025 10:38		SY/MD	Not Ok
4	VSTDICC005	VSTDICC005	VY022491.D	02 Jun 2025 11:46		SY/MD	Ok,M
5	VSTDICC010	VSTDICC010	VY022492.D	02 Jun 2025 12:09		SY/MD	Ok,M
6	VSTDICC020	VSTDICC020	VY022493.D	02 Jun 2025 12:32		SY/MD	Ok,M
7	VSTDICCC050	VSTDICCC050	VY022494.D	02 Jun 2025 12:54		SY/MD	Ok,M
8	VSTDICC100	VSTDICC100	VY022495.D	02 Jun 2025 13:17		SY/MD	Ok,M
9	VSTDICC150	VSTDICC150	VY022496.D	02 Jun 2025 13:39		SY/MD	Ok,M
10	VIBLK	VIBLK	VY022497.D	02 Jun 2025 14:03		SY/MD	Ok
11	VSTDICV050	ICVVY060225	VY022498.D	02 Jun 2025 14:59	Icv Fail For DOD For Com.# 18	SY/MD	Ok,M
12	VY0602SBL02	VY0602SBL02	VY022499.D	02 Jun 2025 16:00		SY/MD	Ok
13	VY0602SBS01	VY0602SBS01	VY022500.D	02 Jun 2025 16:24		SY/MD	Ok,M
14	VY0602SBSD01	VY0602SBSD01	VY022501.D	02 Jun 2025 16:47		SY/MD	Ok,M
15	Q2160-02	TP04-MHG-VOC	VY022502.D	02 Jun 2025 17:10	vial A	SY/MD	Ok
16	Q2152-01	OK-02-05292025	VY022503.D	02 Jun 2025 17:34	Not Purged,vial B	SY/MD	Not Ok
17	Q2153-01RE	TR-04-0592025RE	VY022504.D	02 Jun 2025 17:57	Surrogate Fail;Internal Standard Fail, vial B	SY/MD	Confirms

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060225

Review By	Mahesh Dadoda	Review On	6/3/2025 2:38:36 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM		
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M

STD. NAME	STD REF.#
Tune/Reschk	VP134084
Initial Calibration Stds	VP134085,VP134086,VP134087,VP134088,VP134089,VP134090
CCC	VP134092,VP134093
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134091
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2147-02	VOC	VY022505.D	02 Jun 2025 18:21	Not purge,vial B	SY/MD	Not Ok
19	Q2150-02	TP-42	VY022506.D	02 Jun 2025 18:44	vial B	SY/MD	Ok
20	Q2150-05RE	TP-47RE	VY022507.D	02 Jun 2025 19:08	Internal Standard Fail,vial B	SY/MD	Confirms
21	Q2161-01	B27-SOIL-SAMPLE	VY022508.D	02 Jun 2025 19:31	vial-B	SY/MD	Ok
22	VSTDCCC050	VSTDCCC050EC	VY022509.D	02 Jun 2025 19:54		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/2/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 05/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:33
Out Date: 05/31/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135959

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q2159-01	TP05-MHO-WC	1	1.18	10.28	11.46	9.71	83.0	
Q2159-02	TP05-MHO-VOC	2	1.18	10.54	11.72	10.12	84.8	
Q2159-03	TP05-MHO-EPH	3	1.15	10.24	11.39	8.78	74.5	
Q2160-01	TP04-MHG-WC	4	1.19	10.38	11.57	10.25	87.3	
Q2160-02	TP04-MHG-VOC	5	1.19	10.30	11.49	10.17	87.2	
Q2160-03	TP04-MHG-EPH	6	1.17	10.09	11.26	9.99	87.4	
Q2160-05	TP05-MHG-WC	7	1.19	10.40	11.59	9.78	82.6	
Q2160-06	TP05-MHG-VOC	8	1.19	10.46	11.65	10.18	85.9	
Q2160-07	TP05-MHG-EPH	9	1.17	10.76	11.93	10.00	82.1	
Q2161-01	B27-SOIL-SAMPLE	20	1.15	10.13	11.28	10.15	88.8	
Q2161-02	B28-SOIL-SAMPLE	21	1.18	10.72	11.9	10.62	88.1	
Q2162-01	BP-VPB-182-GW-580-582	22	1.19	10.27	11.46	2.14	9.3	sludge sample
Q2164-05	SVOC-GPC-BLANK	10	1.00	1.00	2.00	2.00	100.0	
Q2164-06	PEST-GPC-BLANK	11	1.00	1.00	2.00	2.00	100.0	
Q2164-07	PEST-GPC-BLANK-SPIKE	12	1.00	1.00	2.00	2.00	100.0	
Q2164-08	PCB-GPC-BLANK	13	1.00	1.00	2.00	2.00	100.0	
Q2164-09	PCB-GPC-BLANK-SPIKE	14	1.00	1.00	2.00	2.00	100.0	
Q2164-10	SVOC-GPC2-BLANK	15	1.00	1.00	2.00	2.00	100.0	
Q2164-11	PEST-GPC2-BLANK	16	1.00	1.00	2.00	2.00	100.0	
Q2164-12	PEST-GPC2-BLANK-SPIKE	17	1.00	1.00	2.00	2.00	100.0	
Q2164-13	PCB-GPC2-BLANK	18	1.00	1.00	2.00	2.00	100.0	
Q2164-14	PCB-GCP2-BLANK-SPIKE	19	1.00	1.00	2.00	2.00	100.0	
Q2166-01	1	23	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2166-02	2	24	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2166-03	3	25	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2166-04	4	26	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2166-05	5	27	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2166-06	6	28	1.00	1.00	2.00	2.00	100.0	wipe sample

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/2/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 05/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:33
Out Date: 05/31/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135959

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q2166-07	7	29	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2166-08	8	30	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2166-09	9	31	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2166-10	10	32	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2166-11	11	33	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2166-12	12	34	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2166-13	13	35	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2166-14	14	36	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2166-15	15	37	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2166-16	16	38	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2166-17	17	39	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2166-18	18	40	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2166-19	19	41	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2166-20	20	42	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2166-21	21	43	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2166-22	22	44	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2166-23	23	45	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2166-24	24	46	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2166-25	25	47	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2166-26	26	48	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2166-27	27	49	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2166-28	28	50	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2166-29	29	51	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2166-30	30	52	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2172-01	TP06-MHQ	53	1.13	10.73	11.86	10.39	86.3	
Q2172-02	TP06-MHQ-VOC	54	1.14	9.96	11.1	9.95	88.5	
Q2172-03	TP06-MHQ-EPH	55	1.18	10.72	11.9	10.44	86.4	
Q2173-01	OR-400-CF-402B-COMP-23	56	1.16	10.24	11.4	10.00	86.3	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/2/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 05/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:33
Out Date: 05/31/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135959

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q2173-02	OR-400-CF-402B-VOC-23	57	1.19	10.23	11.42	10.47	90.7	
Q2173-03	OR-400-CF-402B-61	58	1.16	10.13	11.29	10.28	90.0	
Q2173-04	OR-400-CF-402B-62	59	1.15	10.14	11.29	9.86	85.9	
Q2173-05	OR-400-CF-402B-63	60	1.15	10.80	11.95	10.03	82.2	
Q2173-07	OR-400-CF-402B-COMP-24	61	1.16	10.72	11.88	9.75	80.1	
Q2173-08	OR-400-CF-402B-VOC-24	62	1.12	10.85	11.97	9.91	81.0	
Q2173-09	OR-400-CF-402B-64	63	1.19	10.46	11.65	9.71	81.5	
Q2173-10	OR-400-CF-402B-65	64	1.17	10.74	11.91	9.63	78.8	
Q2173-11	OR-400-CF-402B-66	65	1.16	10.46	11.62	9.76	82.2	
Q2173-13	OR-400-CF-402B-COMP-25	66	1.16	10.51	11.67	9.82	82.4	
Q2173-14	OR-400-CF-402B-VOC-25	67	1.18	10.62	11.8	10.46	87.4	
Q2173-15	OR-400-CF-402B-67	68	1.15	10.81	11.96	9.84	80.4	
Q2173-16	OR-400-CF-402B-68	69	1.16	10.53	11.69	10.4	87.7	
Q2173-17	OR-400-CF-402B-69	70	1.13	10.79	11.92	9.96	81.8	
Q2174-01	DP1	71	1.15	10.03	11.18	10.82	96.4	
Q2174-02	D1	72	1.13	10.27	11.4	10.85	94.6	
Q2174-03	D2	73	1.13	10.26	11.39	10.22	88.6	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB 135959

WorkList Name : %1-053025 **WorkList ID :** 189833 **Department :** Wet-Chemistry **Date :** 05-30-2025 08:02:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2159-01	TP05-MHO-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/29/2025	Chemtech -SO
Q2159-02	TP05-MHO-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/29/2025	Chemtech -SO
Q2159-03	TP05-MHO-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/29/2025	Chemtech -SO
Q2160-01	TP04-MHG-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/29/2025	Chemtech -SO
Q2160-02	TP04-MHG-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/29/2025	Chemtech -SO
Q2160-03	TP04-MHG-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/29/2025	Chemtech -SO
Q2160-05	TP05-MHG-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/29/2025	Chemtech -SO
Q2160-06	TP05-MHG-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/29/2025	Chemtech -SO
Q2160-07	TP05-MHG-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/29/2025	Chemtech -SO
Q2161-01	B27-SOIL-SAMPLE	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/29/2025	Chemtech -SO
Q2161-02	B28-SOIL-SAMPLE	Solid	Percent Solids	Cool 4 deg C	SCAL01	L41	05/12/2025	Chemtech -SO
Q2162-01	BP-VPB-182-GW-580-582	Solid	Percent Solids	Cool 4 deg C	SCAL01	L41	05/12/2025	Chemtech -SO
Q2164-05	SVOC-GPC-BLANK	Solid	Percent Solids	1:1 HCl to pH < 2	TETR06	L31	05/27/2025	Chemtech -SO
Q2164-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	05/23/2025	Chemtech -SO
Q2164-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	05/23/2025	Chemtech -SO
Q2164-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	05/23/2025	Chemtech -SO
Q2164-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	05/23/2025	Chemtech -SO
Q2164-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	05/23/2025	Chemtech -SO
Q2164-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	05/23/2025	Chemtech -SO
Q2164-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	05/23/2025	Chemtech -SO
Q2164-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	05/23/2025	Chemtech -SO

Date/Time 05/30/25 15:10

Raw Sample Received by: RCWC

Raw Sample Relinquished by: T. Cisneros

Date/Time 05/30/25 17:30

Raw Sample Received by: T. Cisneros

Raw Sample Relinquished by: RCWC

WORKLIST(Hardcopy Internal Chain)

VB 135959

WorkList Name : %1-053025 **WorkList ID :** 189833 **Department :** Wet-Chemistry **Date :** 05-30-2025 08:02:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2164-14	PCB-GCP2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	05/23/2025	Chemtech -SO
Q2166-01	1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2166-02	2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2166-03	3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2166-04	4	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2166-05	5	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2166-06	6	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2166-07	7	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2166-08	8	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2166-09	9	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2166-10	10	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2166-11	11	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2166-12	12	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2166-13	13	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2166-14	14	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2166-15	15	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2166-16	16	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2166-17	17	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2166-18	18	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2166-19	19	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2166-20	20	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO

Date/Time 05/30/25 15:10

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 05/30/25 17:30

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

VB 135959

WorkList Name : %1-053025 **WorkList ID :** 189833 **Department :** Wet-Chemistry **Date :** 05-30-2025 08:02:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2166-21	21	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2166-22	22	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2166-23	23	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2166-24	24	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2166-25	25	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2166-26	26	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2166-27	27	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2166-28	28	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2166-29	29	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2166-30	30	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2172-01	TP06-MHQ	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2172-02	TP06-MHQ-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/30/2025	Chemtech -SO
Q2172-03	TP06-MHQ-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/30/2025	Chemtech -SO
Q2173-01	OR-400-CF-402B-COMP-23	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/30/2025	Chemtech -SO
Q2173-02	OR-400-CF-402B-VOC-23	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/30/2025	Chemtech -SO
Q2173-03	OR-400-CF-402B-61	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/30/2025	Chemtech -SO
Q2173-04	OR-400-CF-402B-62	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/30/2025	Chemtech -SO
Q2173-05	OR-400-CF-402B-63	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/30/2025	Chemtech -SO
Q2173-07	OR-400-CF-402B-COMP-24	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/30/2025	Chemtech -SO
Q2173-08	OR-400-CF-402B-VOC-24	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/30/2025	Chemtech -SO
Q2173-09	OR-400-CF-402B-64	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/30/2025	Chemtech -SO

Date/Time 05/30/25 1540

Raw Sample Received by: RB (WC)

Raw Sample Relinquished by: J.C (SM)

Date/Time 05/30/25 1730

Raw Sample Received by: J.C (SM)

Raw Sample Relinquished by: RB WC

WORKLIST(Hardcopy Internal Chain)

135959

WorkList Name : %1-053025 **WorkList ID :** 189833 **Department :** Wet-Chemistry **Date :** 05-30-2025 08:02:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2173-10	OR-400-CF-402B-65	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/30/2025	Chemtech -SO
Q2173-11	OR-400-CF-402B-66	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/30/2025	Chemtech -SO
Q2173-13	OR-400-CF-402B-COMP-25	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/30/2025	Chemtech -SO
Q2173-14	OR-400-CF-402B-VOC-25	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/30/2025	Chemtech -SO
Q2173-15	OR-400-CF-402B-67	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/30/2025	Chemtech -SO
Q2173-16	OR-400-CF-402B-68	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/30/2025	Chemtech -SO
Q2173-17	OR-400-CF-402B-69	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/30/2025	Chemtech -SO
Q2174-01	DP1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/30/2025	Chemtech -SO
Q2174-02	D1	Solid	Percent Solids	Cool 4 deg C	GENV01	L41	05/30/2025	Chemtech -SO
Q2174-03	D2	Solid	Percent Solids	Cool 4 deg C	GENV01	L41	05/30/2025	Chemtech -SO

Date/Time 05/30/25 15:10

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 05/30/25 17:30

Raw Sample Received by:

Raw Sample Relinquished by:

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. 020
COC Number 2046354

Q2161

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Scalamandre Tully IV
ADDRESS:
CITY STATE: ZIP:
ATTENTION: Dean Deroe
PHONE: 718 446 7000 FAX: 718 458 5199

CLIENT PROJECT INFORMATION

PROJECT NAME: Harper Street Yard
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Same PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

❑ Level 1 (Results Only) ❑ Level 4 (QC + Full Raw Data)
❑ Level 2 (Results + QC) ❑ NJ Reduced ❑ US EPA CLP
❑ Level 3 (Results + QC + Raw Data) ❑ NYS ASP A ❑ NYS ASP B
❑ Other _____
❑ EDD FORMAT _____

ANALYSIS

1: Full TCLP 2: PCBs 3. IRC 4 5 6 7 8 9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	B2,7 Soil Sample	S		X	5/12	1pm		X	X	X							Possible
2.	B2 8 soil sample	S		X	5/12	1pm		X	X	X							
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. [illegible]	5/12	1.
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
2.	5/13/25 1233	2.
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
3.		3.

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP _____ °C
Comments: Hold both samples for possible additional analysis per Clean Earth North Jersey pending TCLP analysis
5.2

Page _____ of

CLIENT: ❑ Hand Delivered ❑ Other

Shipment Complete ❑ YES ❑ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2161 SCAL01
Client Name : Scalamandre – Tully JV
Client Contact : Dean Devoe
Invoice Name : Scalamandre – Tully JV
Invoice Contact : Dean Devoe

Order Date : 5/30/2025 11:29:00 AM
Project Name : NYC DOT Harper Street Ya
Receive DateTime : 5/13/2025 12:33:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 2
EDD Type : Excel NY
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2161-01	B27-SOIL-SAMPLE	Solid	05/12/2025	13:00					
					VOCMS Group1		8260D		10 Bus. Days
Q2161-02	B28-SOIL-SAMPLE	Solid	05/12/2025	13:00					
					VOCMS Group1		8260D		10 Bus. Days

Relinguished By :
Date / Time : 5/30/25 1150

Received By :
Date / Time : 5/30/25 1150

Storage Area : VOA Refridgerator Room