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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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LAB CHRONICLE

OrderID:	Q1376	**OrderDate:**	2/17/2025 10:28:54 AM
Client:	GFE LLC	**Project:**	1267 Forest Ave Staten Island NY
Contact:	Frank Galdun	**Location:**	VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1376-01	**MW32**	**Water**			**02/17/25**			**02/17/25**
			VOC-TCLVOA-10	8260-Low			02/18/25	
Q1376-01DL	**MW32DL**	**Water**			**02/17/25**			**02/17/25**
			VOC-TCLVOA-10	8260-Low			02/19/25	
Q1376-02	**MW33**	**Water**			**02/17/25**			**02/17/25**
			VOC-TCLVOA-10	8260-Low			02/18/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1376

Client: GFE LLC

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**MW32**								
Q1376-01	MW32	Water	Acetone		10.0		1.40	5.00	ug/L
Q1376-01	MW32	Water	Carbon Disulfide		0.63	J	0.32	1.00	ug/L
Q1376-01	MW32	Water	Methyl tert-butyl Ether		2.30		0.16	1.00	ug/L
Q1376-01	MW32	Water	Cyclohexane		170	E	1.60	5.00	ug/L
Q1376-01	MW32	Water	2-Butanone		3.80	J	1.30	5.00	ug/L
Q1376-01	MW32	Water	Methylcyclohexane		47.4		0.19	1.00	ug/L
Q1376-01	MW32	Water	Benzene		300	E	0.16	1.00	ug/L
Q1376-01	MW32	Water	4-Methyl-2-Pentanone		11.4	Q	0.75	5.00	ug/L
Q1376-01	MW32	Water	Toluene		35.6		0.18	1.00	ug/L
Q1376-01	MW32	Water	Ethyl Benzene		3.90		0.16	1.00	ug/L
Q1376-01	MW32	Water	m/p-Xylenes		37.4		0.31	2.00	ug/L
Q1376-01	MW32	Water	o-Xylene		3.60		0.14	1.00	ug/L
Q1376-01	MW32	Water	Isopropylbenzene		30.0		0.13	1.00	ug/L
			Total Voc :		656				
Q1376-01	MW32	Water	Isobutane	*	150	J	0	0	ug/L
Q1376-01	MW32	Water	Butane, 2-methyl-	*	610	J	0	0	ug/L
Q1376-01	MW32	Water	Butane, 2,3-dimethyl-	*	69.5	J	0	0	ug/L
Q1376-01	MW32	Water	Cyclopentane, methyl-	*	310	J	0	0	ug/L
Q1376-01	MW32	Water	Butane	*	510	J	0	0	ug/L
Q1376-01	MW32	Water	Pentane	*	72.5	J	0	0	ug/L
Q1376-01	MW32	Water	Cyclopentane	*	400	J	0	0	ug/L
Q1376-01	MW32	Water	Indane	*	190	J	0	0	ug/L
Q1376-01	MW32	Water	Cyclopentene, 1-methyl-	*	62.6	J	0	0	ug/L
Q1376-01	MW32	Water	Cyclopropane, 1,2-dimethyl-, c	*	150	J	0	0	ug/L
Q1376-01	MW32	Water	Tert butyl alcohol	*	87.9	J	5.60	25.0	ug/L
Q1376-01	MW32	Water	n-propylbenzene	*	57.1	J	0.14	1.00	ug/L
Q1376-01	MW32	Water	1,3,5-Trimethylbenzene	*	3.40	J	0.18	1.00	ug/L
Q1376-01	MW32	Water	tert-Butylbenzene	*	0.45	J	0.17	1.00	ug/L
Q1376-01	MW32	Water	1,2,4-Trimethylbenzene	*	0.55	J	0.18	1.00	ug/L
Q1376-01	MW32	Water	sec-Butylbenzene	*	2.30	J	0.17	1.00	ug/L
Q1376-01	MW32	Water	p-Isopropyltoluene	*	1.10	J	0.15	1.00	ug/L
Q1376-01	MW32	Water	n-Butylbenzene	*	2.60	J	0.22	1.00	ug/L
Q1376-01	MW32	Water	Naphthalene	*	17.5	J	0.59	1.00	ug/L
			Total Tics :		2700				
			Total Concentration:		3350				
Client ID:	**MW32DL**								

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Hit Summary Sheet
SW-846

SDG No.: Q1376

Client: GFE LLC

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q1376-01DL	MW32DL	Water	Acetone		17.8	JD	13.9	50.0	ug/L
Q1376-01DL	MW32DL	Water	Cyclohexane		140	D	16.2	50.0	ug/L
Q1376-01DL	MW32DL	Water	Methylcyclohexane		33.9	D	1.90	10.0	ug/L
Q1376-01DL	MW32DL	Water	Benzene		260	D	1.60	10.0	ug/L
Q1376-01DL	MW32DL	Water	Toluene		28.2	D	1.80	10.0	ug/L
Q1376-01DL	MW32DL	Water	Ethyl Benzene		3.30	JD	1.60	10.0	ug/L
Q1376-01DL	MW32DL	Water	m/p-Xylenes		28.7	D	3.10	20.0	ug/L
Q1376-01DL	MW32DL	Water	o-Xylene		3.40	JD	1.40	10.0	ug/L
Q1376-01DL	MW32DL	Water	Isopropylbenzene		22.9	D	1.30	10.0	ug/L
			Total Voc :		538				
			Total Concentration:		538				
Client ID:	**MW33**								
Q1376-02	MW33	Water	Acetone		4.20	J	1.40	5.00	ug/L
Q1376-02	MW33	Water	2-Butanone		3.50	J	1.30	5.00	ug/L
Q1376-02	MW33	Water	Benzene		0.28	J	0.16	1.00	ug/L
Q1376-02	MW33	Water	4-Methyl-2-Pentanone		1.00	JQ	0.75	5.00	ug/L
Q1376-02	MW33	Water	Toluene		0.61	J	0.18	1.00	ug/L
Q1376-02	MW33	Water	m/p-Xylenes		0.66	J	0.31	2.00	ug/L
Q1376-02	MW33	Water	o-Xylene		0.33	J	0.14	1.00	ug/L
			Total Voc :		10.6				
Q1376-02	MW33	Water	Sulfur dioxide	*	10.7	J	0	0	ug/L
			Total Tics :		10.7				
			Total Concentration:		21.3				

QC SUMMARY

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Surrogate Summary

SDG No.: Q1376

Client: GFE LLC

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1376-01	MW32	1,2-Dichloroethane-d4	50	54.1	108	74	125
		Dibromofluoromethane	50	52.3	105	75	124
		Toluene-d8	50	50.4	101	86	113
		4-Bromofluorobenzene	50	55.7	111	77	121
Q1376-01DL	MW32DL	1,2-Dichloroethane-d4	50	55.6	111	74	125
		Dibromofluoromethane	50	51.1	102	75	124
		Toluene-d8	50	49.8	100	86	113
		4-Bromofluorobenzene	50	53.3	107	77	121
Q1376-02	MW33	1,2-Dichloroethane-d4	50	54.9	110	74	125
		Dibromofluoromethane	50	51.5	103	75	124
		Toluene-d8	50	51.4	103	86	113
		4-Bromofluorobenzene	50	50.8	102	77	121
VX0218WBL01	VX0218WBL01	1,2-Dichloroethane-d4	50	56.9	114	74	125
		Dibromofluoromethane	50	52.7	105	75	124
		Toluene-d8	50	51.9	104	86	113
		4-Bromofluorobenzene	50	56.4	113	77	121
VX0218WBS01	VX0218WBS01	1,2-Dichloroethane-d4	50	54.5	109	74	125
		Dibromofluoromethane	50	53.7	107	75	124
		Toluene-d8	50	51.8	104	86	113
		4-Bromofluorobenzene	50	54.3	108	77	121
VX0218WBSD0	VX0218WBSD01	1,2-Dichloroethane-d4	50	53.6	107	74	125
		Dibromofluoromethane	50	53.6	107	75	124
		Toluene-d8	50	52.2	104	86	113
		4-Bromofluorobenzene	50	55.1	110	77	121
VX0219WBL01	VX0219WBL01	1,2-Dichloroethane-d4	50	54.8	110	74	125
		Dibromofluoromethane	50	51.9	104	75	124
		Toluene-d8	50	51.0	102	86	113
		4-Bromofluorobenzene	50	53.8	108	77	121
VX0219WBS01	VX0219WBS01	1,2-Dichloroethane-d4	50	52.4	105	74	125
		Dibromofluoromethane	50	51.6	103	75	124
		Toluene-d8	50	49.9	100	86	113
		4-Bromofluorobenzene	50	50.2	100	77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1376

Client: GFE LLC

Analytical Method: SW8260-Low **Datafile :** VX044979.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0218WBS01	Dichlorodifluoromethane	20	19.1	ug/L	96			69	116	
	Chloromethane	20	18.9	ug/L	95			65	116	
	Vinyl chloride	20	18.8	ug/L	94			65	117	
	Bromomethane	20	30.4	ug/L	152		*	58	125	
	Chloroethane	20	27.2	ug/L	136		*	56	128	
	Trichlorofluoromethane	20	20.7	ug/L	104			73	115	
	1,1,2-Trichlorotrifluoroethane	20	20.4	ug/L	102			80	112	
	1,1-Dichloroethene	20	19.6	ug/L	98			74	110	
	Acetone	100	110	ug/L	110			60	125	
	Carbon disulfide	20	18.8	ug/L	94			64	112	
	Methyl tert-butyl Ether	20	20.3	ug/L	102			78	114	
	Methyl Acetate	20	21.8	ug/L	109			67	125	
	Methylene Chloride	20	20.0	ug/L	100			72	114	
	trans-1,2-Dichloroethene	20	20.3	ug/L	102			75	108	
	1,1-Dichloroethane	20	20.2	ug/L	101			78	112	
	Cyclohexane	20	19.5	ug/L	98			75	110	
	2-Butanone	100	110	ug/L	110			65	122	
	Carbon Tetrachloride	20	20.6	ug/L	103			77	113	
	cis-1,2-Dichloroethene	20	20.1	ug/L	101			77	110	
	Bromochloromethane	20	21.5	ug/L	108			70	124	
	Chloroform	20	20.6	ug/L	103			79	113	
	1,1,1-Trichloroethane	20	20.4	ug/L	102			80	108	
	Methylcyclohexane	20	20.0	ug/L	100			72	115	
	Benzene	20	19.9	ug/L	100			82	109	
	1,2-Dichloroethane	20	21.3	ug/L	106			80	115	
	Trichloroethene	20	20.2	ug/L	101			77	113	
	1,2-Dichloropropane	20	20.3	ug/L	102			83	111	
	Bromodichloromethane	20	21.5	ug/L	108			83	110	
	4-Methyl-2-Pentanone	100	110	ug/L	110			74	118	
	Toluene	20	20.5	ug/L	103			82	110	
	t-1,3-Dichloropropene	20	19.6	ug/L	98			79	110	
	cis-1,3-Dichloropropene	20	20.5	ug/L	103			82	110	
	1,1,2-Trichloroethane	20	20.6	ug/L	103			83	112	
	2-Hexanone	100	110	ug/L	110			73	117	
	Dibromochloromethane	20	21.3	ug/L	106			82	110	
	1,2-Dibromoethane	20	20.5	ug/L	103			81	110	
	Tetrachloroethene	20	21.0	ug/L	105			67	123	
	Chlorobenzene	20	20.6	ug/L	103			82	109	
	Ethyl Benzene	20	20.1	ug/L	101			83	109	
	m/p-Xylenes	40	40.9	ug/L	102			82	110	
	o-Xylene	20	20.3	ug/L	102			83	109	
	Styrene	20	21.0	ug/L	105			80	111	
	Bromoform	20	21.4	ug/L	107			79	109	
	Isopropylbenzene	20	19.4	ug/L	97			83	112	
	1,1,2,2-Tetrachloroethane	20	19.2	ug/L	96			76	118	
	1,3-Dichlorobenzene	20	20.2	ug/L	101			82	108	
	1,4-Dichlorobenzene	20	20.0	ug/L	100			82	107	
	1,2-Dichlorobenzene	20	20.8	ug/L	104			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1376

Client: GFE LLC

Analytical Method: SW8260-Low **Datafile :** VX044979.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0218WBS01	1,2-Dibromo-3-Chloropropane	20	19.3	ug/L	97			68	112	
	1,2,4-Trichlorobenzene	20	20.2	ug/L	101			75	113	
	1,2,3-Trichlorobenzene	20	20.1	ug/L	101			76	114	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1376

Client: GFE LLC

Analytical Method: SW8260-Low **Datafile :** VX044980.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0218WBSD01	Dichlorodifluoromethane	20	19.6	ug/L	98	2		69	116	20
	Chloromethane	20	18.8	ug/L	94	1		65	116	20
	Vinyl chloride	20	18.6	ug/L	93	1		65	117	20
	Bromomethane	20	23.1	ug/L	116	27	*	58	125	20
	Chloroethane	20	24.7	ug/L	124	9		56	128	20
	Trichlorofluoromethane	20	20.0	ug/L	100	4		73	115	20
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/L	100	2		80	112	20
	1,1-Dichloroethene	20	18.8	ug/L	94	4		74	110	20
	Acetone	100	100	ug/L	100	10		60	125	20
	Carbon disulfide	20	17.6	ug/L	88	7		64	112	20
	Methyl tert-butyl Ether	20	20.3	ug/L	102	0		78	114	20
	Methyl Acetate	20	22.4	ug/L	112	3		67	125	20
	Methylene Chloride	20	19.7	ug/L	99	1		72	114	20
	trans-1,2-Dichloroethene	20	19.1	ug/L	96	6		75	108	20
	1,1-Dichloroethane	20	19.7	ug/L	99	2		78	112	20
	Cyclohexane	20	19.4	ug/L	97	1		75	110	20
	2-Butanone	100	110	ug/L	110	0		65	122	20
	Carbon Tetrachloride	20	20.9	ug/L	104	1		77	113	20
	cis-1,2-Dichloroethene	20	20.3	ug/L	102	1		77	110	20
	Bromochloromethane	20	21.0	ug/L	105	3		70	124	20
	Chloroform	20	20.6	ug/L	103	0		79	113	20
	1,1,1-Trichloroethane	20	19.9	ug/L	100	2		80	108	20
	Methylcyclohexane	20	20.2	ug/L	101	1		72	115	20
	Benzene	20	20.4	ug/L	102	2		82	109	20
	1,2-Dichloroethane	20	22.3	ug/L	112	6		80	115	20
	Trichloroethene	20	20.7	ug/L	104	3		77	113	20
	1,2-Dichloropropane	20	21.1	ug/L	106	4		83	111	20
	Bromodichloromethane	20	22.0	ug/L	110	2		83	110	20
	4-Methyl-2-Pentanone	100	120	ug/L	120	9	*	74	118	20
	Toluene	20	21.1	ug/L	106	3		82	110	20
	t-1,3-Dichloropropene	20	20.7	ug/L	104	6		79	110	20
	cis-1,3-Dichloropropene	20	21.1	ug/L	106	3		82	110	20
	1,1,2-Trichloroethane	20	21.9	ug/L	110	7		83	112	20
	2-Hexanone	100	120	ug/L	120	9	*	73	117	20
	Dibromochloromethane	20	22.0	ug/L	110	4		82	110	20
	1,2-Dibromoethane	20	21.8	ug/L	109	6		81	110	20
	Tetrachloroethene	20	20.5	ug/L	103	2		67	123	20
	Chlorobenzene	20	20.4	ug/L	102	1		82	109	20
	Ethyl Benzene	20	20.3	ug/L	102	1		83	109	20
	m/p-Xylenes	40	41.9	ug/L	105	3		82	110	20
	o-Xylene	20	20.1	ug/L	101	1		83	109	20
	Styrene	20	21.3	ug/L	106	1		80	111	20
	Bromoform	20	22.0	ug/L	110	3	*	79	109	20
	Isopropylbenzene	20	19.5	ug/L	98	1		83	112	20
	1,1,2,2-Tetrachloroethane	20	20.1	ug/L	101	5		76	118	20
	1,3-Dichlorobenzene	20	20.1	ug/L	101	0		82	108	20
	1,4-Dichlorobenzene	20	19.9	ug/L	100	0		82	107	20
	1,2-Dichlorobenzene	20	20.6	ug/L	103	1		82	109	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1376

Client: GFE LLC

Analytical Method: SW8260-Low **Datafile :** VX044980.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0218WBSD01	1,2-Dibromo-3-Chloropropane	20	20.9	ug/L	104	7		68	112	20
	1,2,4-Trichlorobenzene	20	19.8	ug/L	99	2		75	113	20
	1,2,3-Trichlorobenzene	20	20.2	ug/L	101	0		76	114	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1376

Client: GFE LLC

Analytical Method: SW8260-Low **Datafile :** VX044999.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0219WBS01	Dichlorodifluoromethane	20	17.1	ug/L	86			69	116	
	Chloromethane	20	15.9	ug/L	79			65	116	
	Vinyl chloride	20	16.1	ug/L	81			65	117	
	Bromomethane	20	18.3	ug/L	92			58	125	
	Chloroethane	20	29.2	ug/L	146		*	56	128	
	Trichlorofluoromethane	20	17.8	ug/L	89			73	115	
	1,1,2-Trichlorotrifluoroethane	20	17.7	ug/L	89			80	112	
	1,1-Dichloroethene	20	17.1	ug/L	86			74	110	
	Acetone	100	89.3	ug/L	89			60	125	
	Carbon disulfide	20	14.7	ug/L	74			64	112	
	Methyl tert-butyl Ether	20	17.0	ug/L	85			78	114	
	Methyl Acetate	20	18.0	ug/L	90			67	125	
	Methylene Chloride	20	17.0	ug/L	85			72	114	
	trans-1,2-Dichloroethene	20	16.9	ug/L	85			75	108	
	1,1-Dichloroethane	20	17.5	ug/L	88			78	112	
	Cyclohexane	20	17.0	ug/L	85			75	110	
	2-Butanone	100	88.0	ug/L	88			65	122	
	Carbon Tetrachloride	20	17.6	ug/L	88			77	113	
	cis-1,2-Dichloroethene	20	17.3	ug/L	86			77	110	
	Bromochloromethane	20	19.4	ug/L	97			70	124	
	Chloroform	20	18.2	ug/L	91			79	113	
	1,1,1-Trichloroethane	20	17.7	ug/L	89			80	108	
	Methylcyclohexane	20	16.9	ug/L	85			72	115	
	Benzene	20	17.3	ug/L	86			82	109	
	1,2-Dichloroethane	20	19.0	ug/L	95			80	115	
	Trichloroethene	20	17.4	ug/L	87			77	113	
	1,2-Dichloropropane	20	17.8	ug/L	89			83	111	
	Bromodichloromethane	20	18.3	ug/L	92			83	110	
	4-Methyl-2-Pentanone	100	91.8	ug/L	92			74	118	
	Toluene	20	17.7	ug/L	89			82	110	
	t-1,3-Dichloropropene	20	16.1	ug/L	81			79	110	
	cis-1,3-Dichloropropene	20	17.4	ug/L	87			82	110	
	1,1,2-Trichloroethane	20	17.9	ug/L	90			83	112	
	2-Hexanone	100	91.9	ug/L	92			73	117	
	Dibromochloromethane	20	17.7	ug/L	89			82	110	
	1,2-Dibromoethane	20	17.1	ug/L	86			81	110	
	Tetrachloroethene	20	18.0	ug/L	90			67	123	
	Chlorobenzene	20	18.4	ug/L	92			82	109	
	Ethyl Benzene	20	17.9	ug/L	90			83	109	
	m/p-Xylenes	40	36.5	ug/L	91			82	110	
	o-Xylene	20	18.1	ug/L	91			83	109	
	Styrene	20	18.4	ug/L	92			80	111	
	Bromoform	20	17.4	ug/L	87			79	109	
	Isopropylbenzene	20	17.7	ug/L	89			83	112	
	1,1,2,2-Tetrachloroethane	20	17.3	ug/L	86			76	118	
	1,3-Dichlorobenzene	20	17.9	ug/L	90			82	108	
	1,4-Dichlorobenzene	20	18.3	ug/L	92			82	107	
	1,2-Dichlorobenzene	20	18.7	ug/L	94			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1376

Client: GFE LLC

Analytical Method: SW8260-Low **Datafile :** VX044999.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0219WBS01	1,2-Dibromo-3-Chloropropane	20	17.1	ug/L	86			68	112	
	1,2,4-Trichlorobenzene	20	17.9	ug/L	90			75	113	
	1,2,3-Trichlorobenzene	20	18.0	ug/L	90			76	114	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0218WBL01

Lab Name: CHEMTECH Contract: GFEL01

Lab Code: CHEM Case No.: Q1376 SAS No.: Q1376 SDG NO.: Q1376

Lab File ID: VX044978.D Lab Sample ID: VX0218WBL01

Date Analyzed: 02/18/2025 Time Analyzed: 11:31

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

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0218WBS01	VX0218WBS01	VX044979.D	02/18/2025
VX0218WBSD01	VX0218WBSD01	VX044980.D	02/18/2025
MW32	Q1376-01	VX044992.D	02/18/2025
MW33	Q1376-02	VX044993.D	02/18/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0219WBL01

Lab Name: CHEMTECH Contract: GFEL01

Lab Code: CHEM Case No.: Q1376 SAS No.: Q1376 SDG NO.: Q1376

Lab File ID: VX044998.D Lab Sample ID: VX0219WBL01

Date Analyzed: 02/19/2025 Time Analyzed: 11:43

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

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0219WBS01	VX0219WBS01	VX044999.D	02/19/2025
MW32DL	Q1376-01DL	VX045004.D	02/19/2025

COMMENTS:

Raw Data: **VX044867.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GFEL01

Lab Code: CHEM Case No.: Q1376 SAS No.: Q1376 SDG NO.: Q1376

Lab File ID: VX044867.D BFB Injection Date: 02/10/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:35

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.7
75	30.0 - 60.0% of mass 95	52.3
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	75.9
175	5.0 - 9.0% of mass 174	5.7 (7.5) 1
176	95.0 - 101.0% of mass 174	72.6 (95.7) 1
177	5.0 - 9.0% of mass 176	4.5 (6.2) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VX044868.D	02/10/2025	10:25
VSTDICC005	VSTDICC005	VX044869.D	02/10/2025	10:48
VSTDICC020	VSTDICC020	VX044870.D	02/10/2025	11:11
VSTDICCC050	VSTDICCC050	VX044871.D	02/10/2025	11:34
VSTDICC100	VSTDICC100	VX044872.D	02/10/2025	12:05
VSTDICC150	VSTDICC150	VX044873.D	02/10/2025	12:28

Raw Data: **VX044975.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GFEL01

Lab Code: CHEM Case No.: Q1376 SAS No.: Q1376 SDG NO.: Q1376

Lab File ID: VX044975.D BFB Injection Date: 02/18/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:46

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.5
75	30.0 - 60.0% of mass 95	53.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.7 (1.1) 1
174	50.0 - 100.0% of mass 95	69
175	5.0 - 9.0% of mass 174	5 (7.2) 1
176	95.0 - 101.0% of mass 174	65.8 (95.3) 1
177	5.0 - 9.0% of mass 176	4.7 (7.2) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX044976.D	02/18/2025	10:45
VX0218WBL01	VX0218WBL01	VX044978.D	02/18/2025	11:31
VX0218WBS01	VX0218WBS01	VX044979.D	02/18/2025	11:54
VX0218WBSD01	VX0218WBSD01	VX044980.D	02/18/2025	12:20
MW32	Q1376-01	VX044992.D	02/18/2025	16:54
MW33	Q1376-02	VX044993.D	02/18/2025	17:17

Raw Data: **VX044995.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GFEL01

Lab Code: CHEM Case No.: Q1376 SAS No.: Q1376 SDG NO.: Q1376

Lab File ID: VX044995.D BFB Injection Date: 02/19/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:57

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.3
75	30.0 - 60.0% of mass 95	52.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	77.3
175	5.0 - 9.0% of mass 174	5.8 (7.5) 1
176	95.0 - 101.0% of mass 174	73.8 (95.4) 1
177	5.0 - 9.0% of mass 176	4.5 (6.1) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX044996.D	02/19/2025	10:52
VX0219WBL01	VX0219WBL01	VX044998.D	02/19/2025	11:43
VX0219WBS01	VX0219WBS01	VX044999.D	02/19/2025	12:06
MW32DL	Q1376-01DL	VX045004.D	02/19/2025	14:04

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GFEL01

Lab Code: CHEM Case No.: Q1376 SAS No.: Q1376 SDG NO.: Q1376

Lab File ID: VX044976.D Date Analyzed: 02/18/2025

Instrument ID: MSVOA_X Time Analyzed: 10:45

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	118005	5.54	207185	6.75	183597	10.05
UPPER LIMIT	236010	6.038	414370	7.251	367194	10.549
LOWER LIMIT	59002.5	5.038	103593	6.251	91798.5	9.549
EPA SAMPLE NO.						
MW32	91141	5.54	179653	6.76	166286	10.05
MW33	81057	5.54	162106	6.76	147456	10.05
VX0218WBL01	92895	5.55	191012	6.76	185140	10.05
VX0218WBS01	109899	5.54	202747	6.76	177300	10.05
VX0218WBSD01	102760	5.54	182711	6.75	163817	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: GFEL01

Lab Code: CHEM Case No.: Q1376 SAS No.: Q1376 SDG NO.: Q1376

Lab File ID: VX044976.D Date Analyzed: 02/18/2025

Instrument ID: MSVOA_X Time Analyzed: 10:45

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

	IS4 AREA #	RT #				
12 HOUR STD	88801	12.018				
UPPER LIMIT	177602	12.518				
LOWER LIMIT	44400.5	11.518				
EPA SAMPLE NO.						
MW32	76215	12.02				
MW33	59734	12.02				
VX0218WBL01	91305	12.02				
VX0218WBS01	83521	12.02				
VX0218WBSD01	77597	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: GFEL01

Lab Code: CHEM Case No.: Q1376 SAS No.: Q1376 SDG NO.: Q1376

Lab File ID: VX044996.D Date Analyzed: 02/19/2025

Instrument ID: MSVOA_X Time Analyzed: 10:52

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	101434	5.54	178680	6.75	161969	10.05
UPPER LIMIT	202868	6.038	357360	7.251	323938	10.549
LOWER LIMIT	50717	5.038	89340	6.251	80984.5	9.549
EPA SAMPLE NO.						
MW32DL	87497	5.54	177846	6.76	162028	10.05
VX0219WBL01	98956	5.54	201046	6.76	186227	10.05
VX0219WBS01	108230	5.55	197953	6.75	168480	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: GFEL01

Lab Code: CHEM Case No.: Q1376 SAS No.: Q1376 SDG NO.: Q1376

Lab File ID: VX044996.D Date Analyzed: 02/19/2025

Instrument ID: MSVOA_X Time Analyzed: 10:52

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

	IS4 AREA #	RT #				
12 HOUR STD	74591	12.018				
UPPER LIMIT	149182	12.518				
LOWER LIMIT	37295.5	11.518				
EPA SAMPLE NO.						
MW32DL	73971	12.02				
VX0219WBL01	85446	12.02				
VX0219WBS01	77023	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

Raw Data: **VX044992.D**

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Report of Analysis

Client:	GFE LLC	Date Collected:	02/17/25
Project:	1267 Forest Ave Staten Island NY	Date Received:	02/17/25
Client Sample ID:	MW32	SDG No.:	Q1376
Lab Sample ID:	Q1376-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044992.D	1		02/18/25 16:54	VX021825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	UQ	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	UQ	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	10.0		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.63	J	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	2.30		0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	170	E	1.60	5.00	ug/L
78-93-3	2-Butanone	3.80	J	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	47.4		0.19	1.00	ug/L
71-43-2	Benzene	300	E	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	11.4	Q	0.75	5.00	ug/L
108-88-3	Toluene	35.6		0.18	1.00	ug/L

Raw Data: **VX044992.D**

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Report of Analysis

Client:	GFE LLC	Date Collected:	02/17/25
Project:	1267 Forest Ave Staten Island NY	Date Received:	02/17/25
Client Sample ID:	MW32	SDG No.:	Q1376
Lab Sample ID:	Q1376-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044992.D	1		02/18/25 16:54	VX021825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	UQ	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	3.90		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	37.4		0.31	2.00	ug/L
95-47-6	o-Xylene	3.60		0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	UQ	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	30.0		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.1		74 - 125	108%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	50.4		86 - 113	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.7		77 - 121	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	91100	5.544			
540-36-3	1,4-Difluorobenzene	180000	6.757			
3114-55-4	Chlorobenzene-d5	166000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	76200	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VX044992.D**

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Report of Analysis

Client:	GFE LLC	Date Collected:	02/17/25
Project:	1267 Forest Ave Staten Island NY	Date Received:	02/17/25
Client Sample ID:	MW32	SDG No.:	Q1376
Lab Sample ID:	Q1376-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044992.D	1		02/18/25 16:54	VX021825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000075-28-5	Isobutane	150	J		1.26	ug/L
000106-97-8	Butane	510	J		1.37	ug/L
000078-78-4	Butane, 2-methyl-	610	J		1.73	ug/L
000109-66-0	Pentane	72.5	J		1.95	ug/L
000930-18-7	Cyclopropane, 1,2-dimethyl-, cis-	150	J		2.21	ug/L
000079-29-8	Butane, 2,3-dimethyl-	69.5	J		2.78	ug/L
000287-92-3	Cyclopentane	400	J		2.86	ug/L
75-65-0	Tert butyl alcohol	87.9	J		2.96	ug/L
000096-37-7	Cyclopentane, methyl-	310	J		4.29	ug/L
000693-89-0	Cyclopentene, 1-methyl-	62.6	J		5.18	ug/L
103-65-1	n-propylbenzene	57.1	J		11.3	ug/L
108-67-8	1,3,5-Trimethylbenzene	3.40	J		11.5	ug/L
98-06-6	tert-Butylbenzene	0.45	J		11.7	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.55	J		11.8	ug/L
135-98-8	sec-Butylbenzene	2.30	J		11.9	ug/L
99-87-6	p-Isopropyltoluene	1.10	J		12.0	ug/L
000496-11-7	Indane	190	J		12.2	ug/L
104-51-8	n-Butylbenzene	2.60	J		12.3	ug/L
91-20-3	Naphthalene	17.5	J		13.8	ug/L

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044992.D
Acq On : 18 Feb 2025 16:54
Operator : JC/MD
Sample : Q1376-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW32

Quant Time: Feb 21 22:46:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

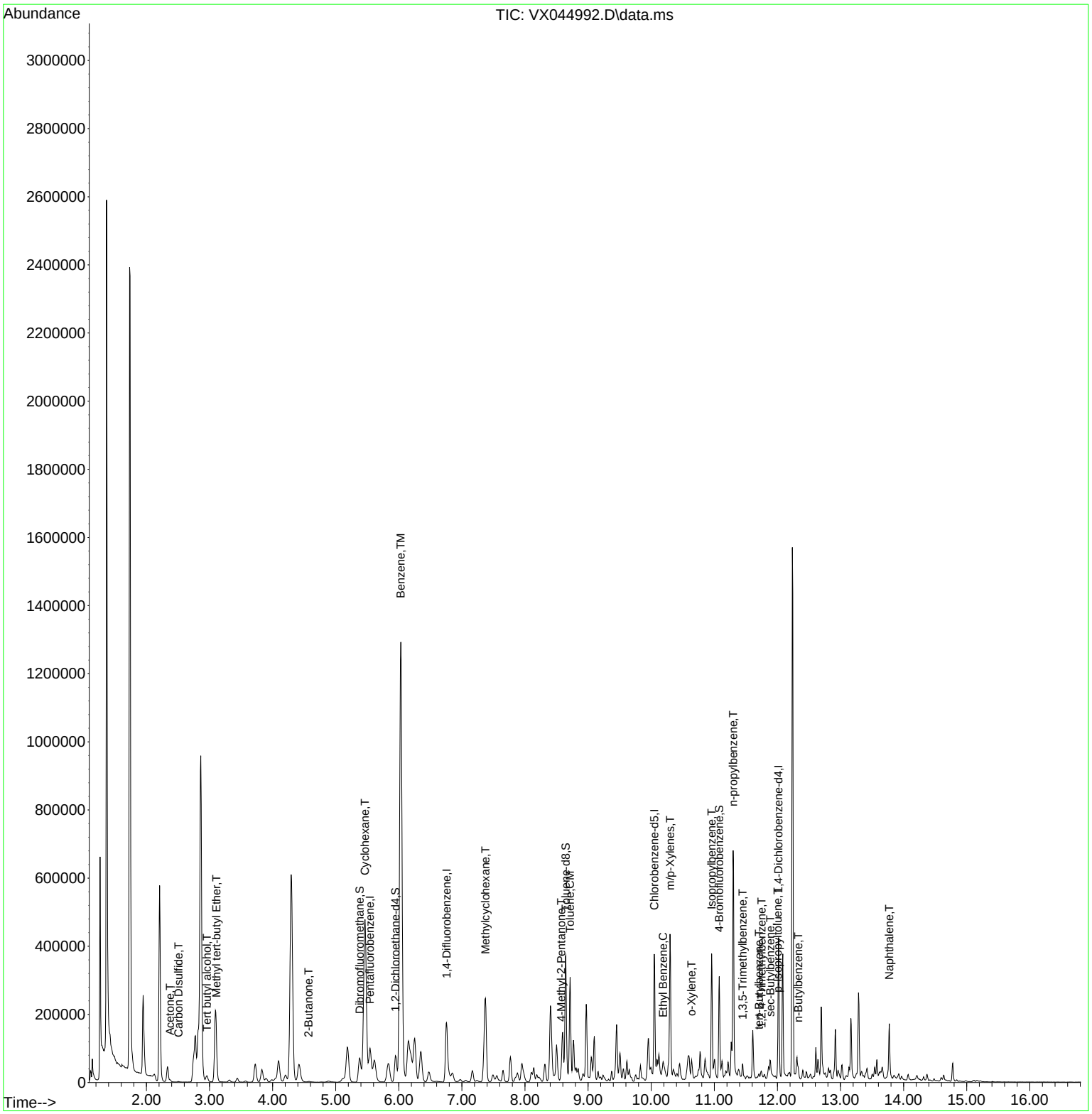
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	91141	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	179653	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	166286	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	76215	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	72164	54.090	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.180%			
35) Dibromofluoromethane	5.379	113	61135	52.340	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.680%			
50) Toluene-d8	8.647	98	222767	50.436	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.880%			
62) 4-Bromofluorobenzene	11.079	95	82970	55.722	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.440%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.959	59	21763	87.929	ug/l #	73
16) Acetone	2.373	43	5389	10.048	ug/l	92
17) Carbon Disulfide	2.508	76	2040	0.633	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	8528	2.282	ug/l #	1
25) 2-Butanone	4.568	43	3338	3.833	ug/l	94
31) Cyclohexane	5.464	56	343918	165.993	ug/l	98
39) Methylcyclohexane	7.373	83	103342	47.434	ug/l	91
40) Benzene	6.031	78	1563555	297.136	ug/l	100
51) 4-Methyl-2-Pentanone	8.574	43	21021	11.423	ug/l #	82
52) Toluene	8.714	92	111679	35.636	ug/l	100
67) Ethyl Benzene	10.189	91	24291	3.854	ug/l	100
68) m/p-Xylenes	10.299	106	86845	37.353	ug/l	97
69) o-Xylene	10.640	106	8399	3.600	ug/l	97
73) Isopropylbenzene	10.957	105	184014	29.986	ug/l	100
78) n-propylbenzene	11.299	91	404384	57.090	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	17175	3.449	ug/l	100
83) tert-Butylbenzene	11.707	119	2260	0.449	ug/l	93
84) 1,2,4-Trimethylbenzene	11.750	105	2703	0.550	ug/l	82
85) sec-Butylbenzene	11.890	105	14375	2.304	ug/l	92
86) p-Isopropyltoluene	12.006	119	5753	1.147	ug/l #	76
89) n-Butylbenzene	12.329	91	11603	2.614	ug/l #	74
95) Naphthalene	13.774	128	96178	17.486	ug/l	98

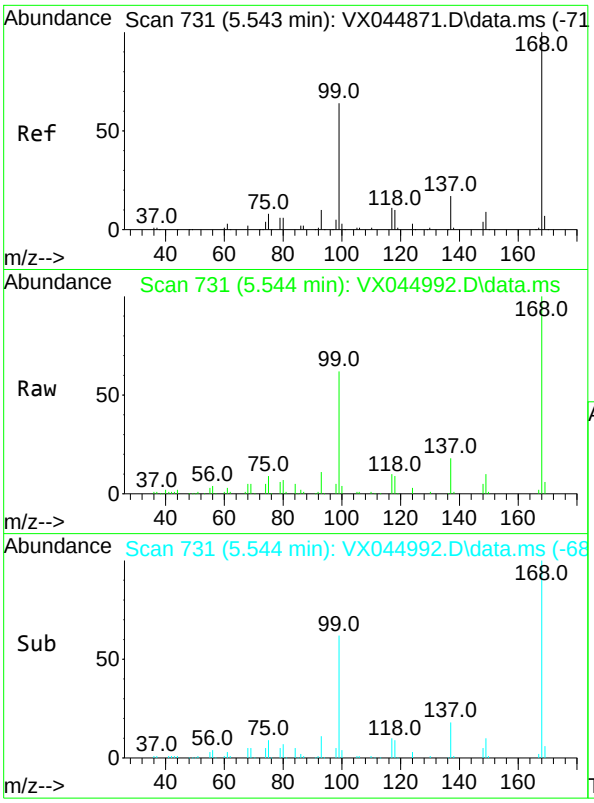
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044992.D
Acq On : 18 Feb 2025 16:54
Operator : JC/MD
Sample : Q1376-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW32

Quant Time: Feb 21 22:46:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration



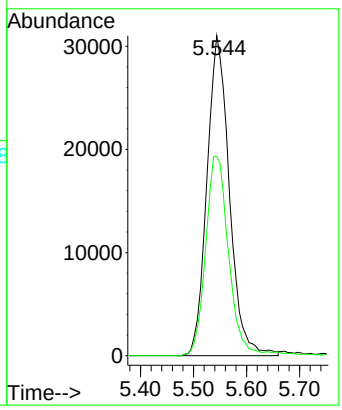


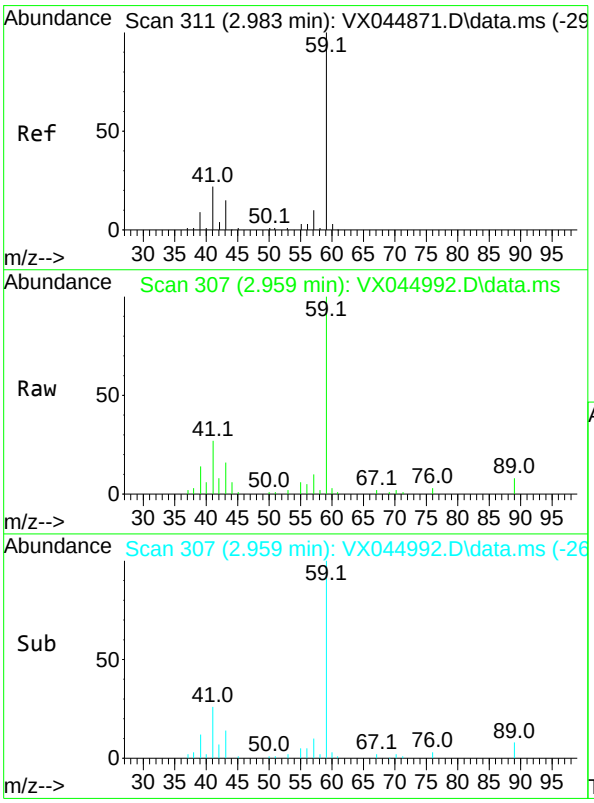
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Instrument :
MSVOA_X
ClientSampleId :
MW32

Tgt Ion:168 Resp: 91141

Ion	Ratio	Lower	Upper
168	100		
99	62.2	51.2	76.8

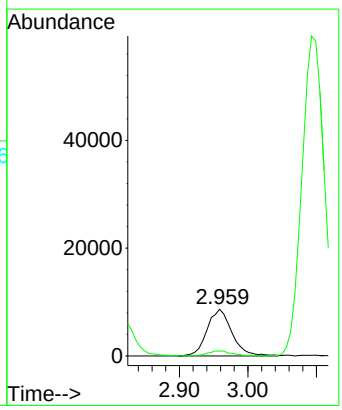


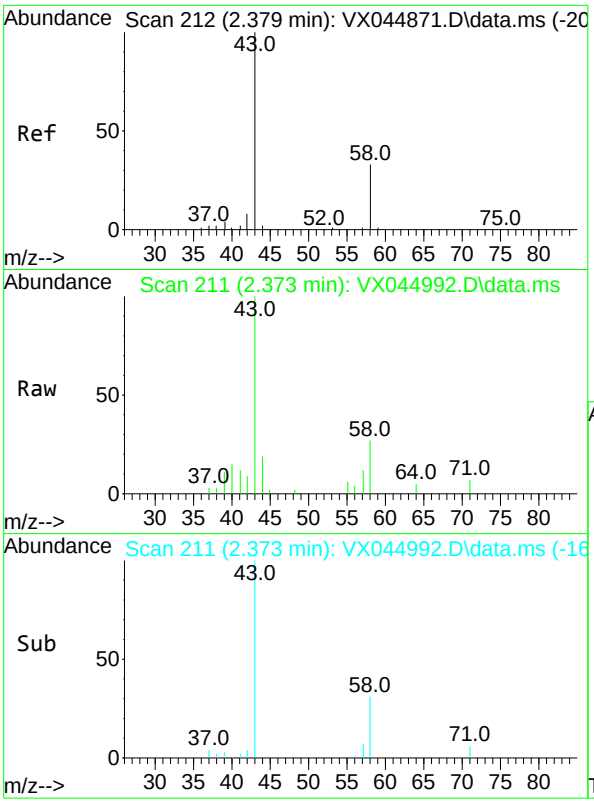


#11
Tert butyl alcohol
Concen: 87.929 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Tgt Ion: 59 Resp: 21763

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.1	12.1#



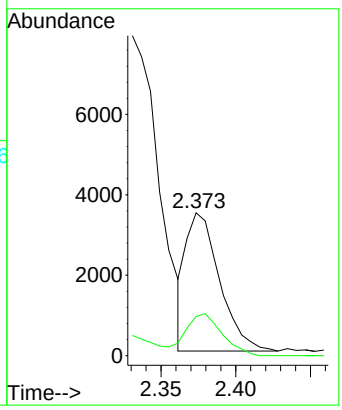


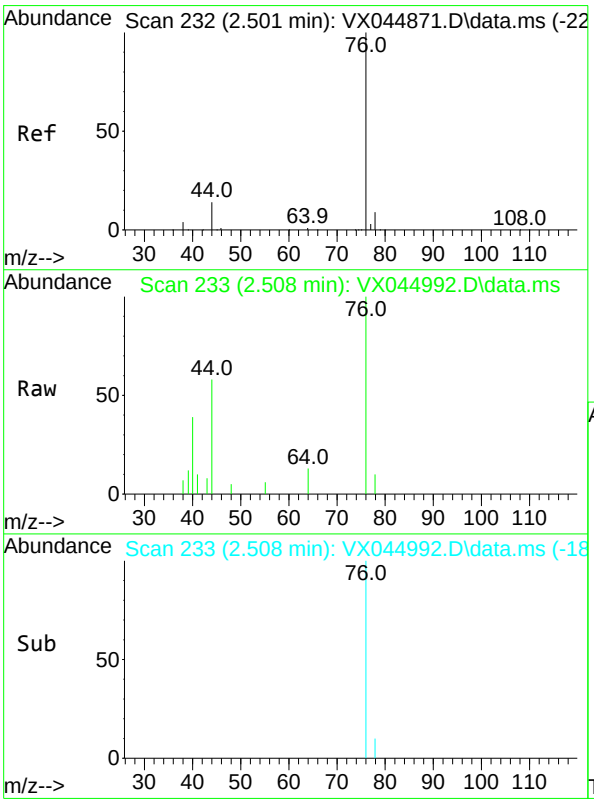
#16
Acetone
Concen: 10.048 ug/l
RT: 2.373 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Instrument :
MSVOA_X
ClientSampleId :
MW32

Tgt Ion: 43 Resp: 5389

Ion	Ratio	Lower	Upper
43	100		
58	28.4	26.5	39.7

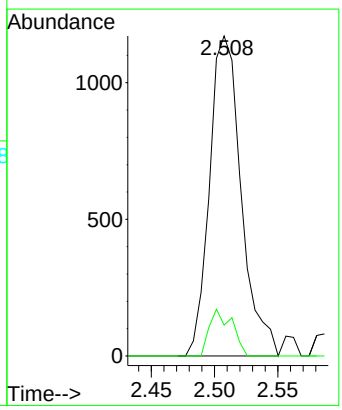


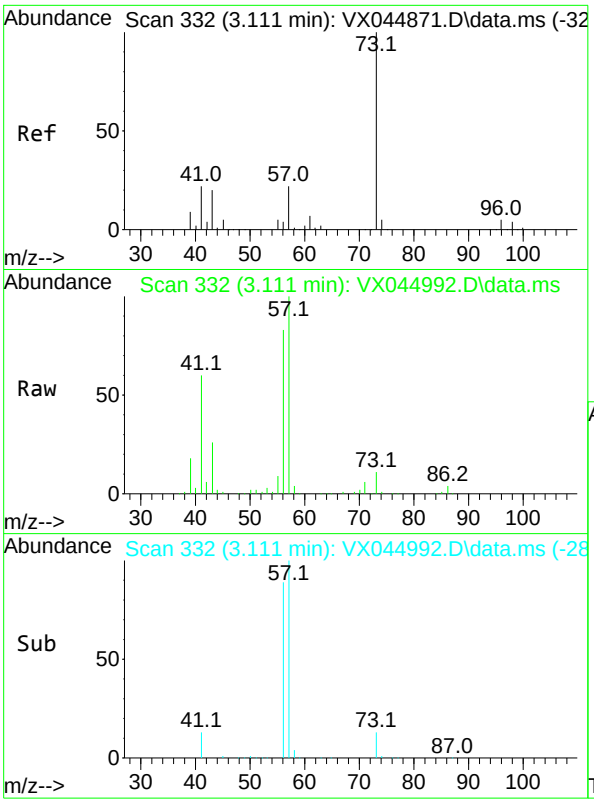


#17
Carbon Disulfide
Concen: 0.633 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.006 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Tgt Ion: 76 Resp: 2040

Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.0	10.4



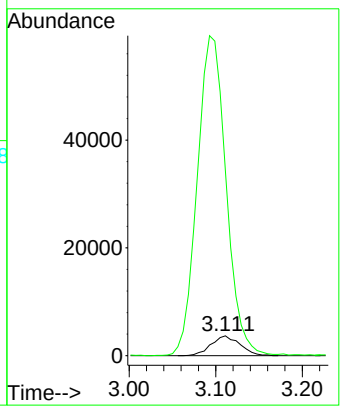


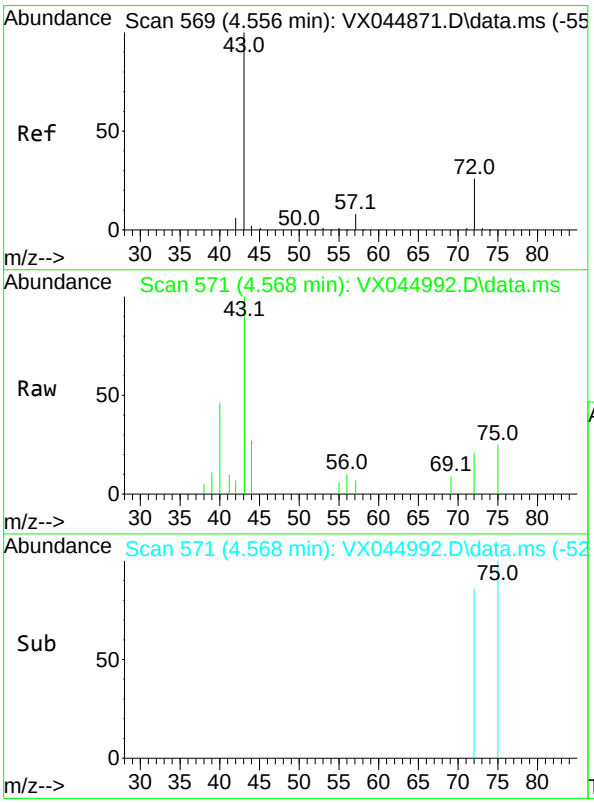
#19
Methyl tert-butyl Ether
Concen: 2.282 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Instrument :
MSVOA_X
ClientSampleId :
MW32

Tgt Ion: 73 Resp: 8528

Ion	Ratio	Lower	Upper
73	100		
57	923.0	17.9	26.9#

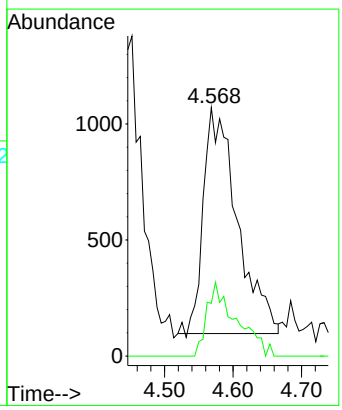


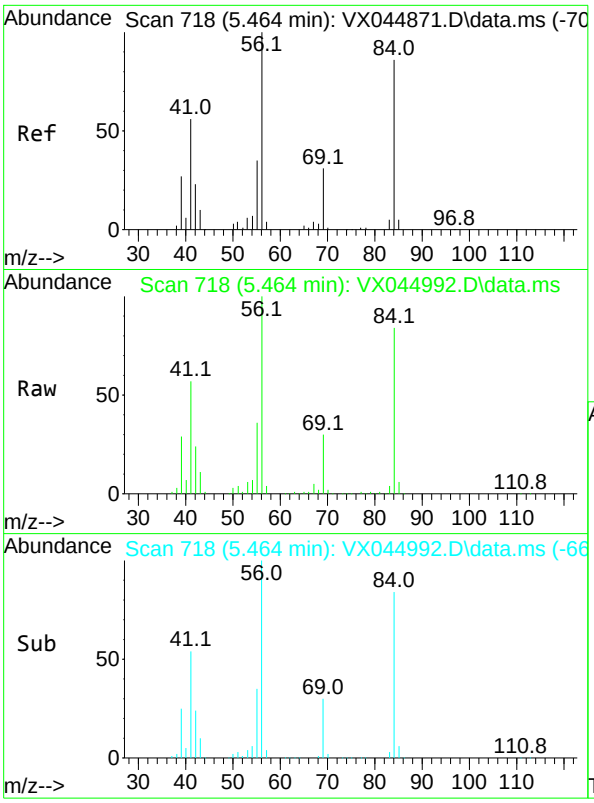


#25
2-Butanone
Concen: 3.833 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Tgt Ion: 43 Resp: 3338

Ion	Ratio	Lower	Upper
43	100		
72	23.3	21.2	31.8



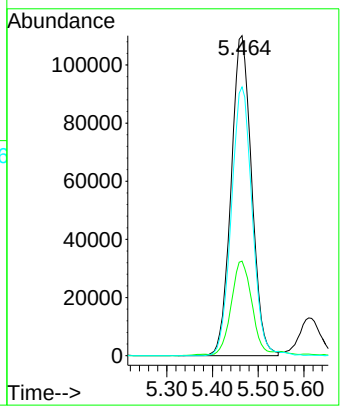


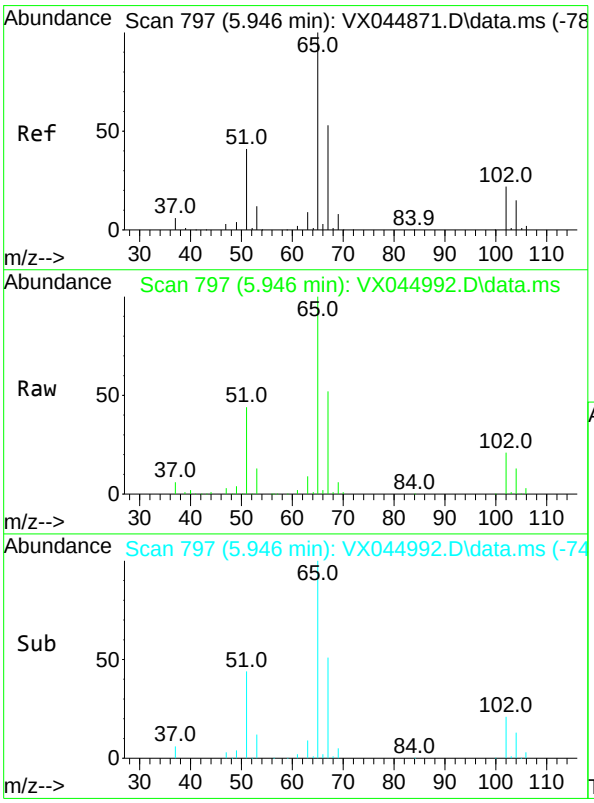
#31
Cyclohexane
Concen: 165.993 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Instrument :
MSVOA_X
ClientSampleId :
MW32

Tgt Ion: 56 Resp: 343918

Ion	Ratio	Lower	Upper
56	100		
69	29.6	24.4	36.6
84	84.0	69.0	103.6

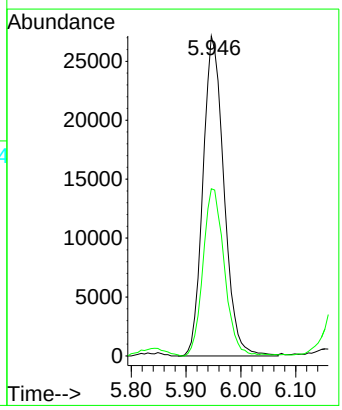


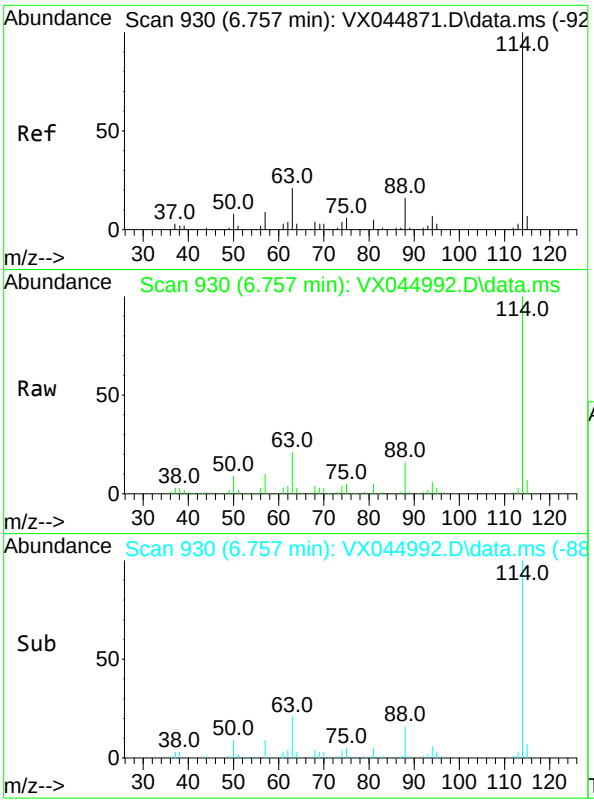


#33
1,2-Dichloroethane-d4
Concen: 54.090 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Tgt Ion: 65 Resp: 72164

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	108.2



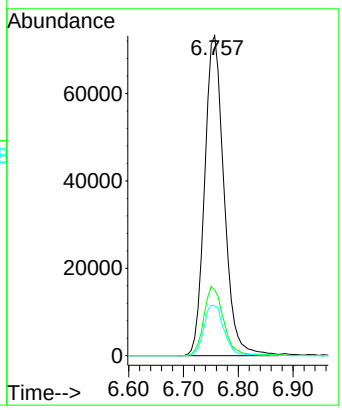


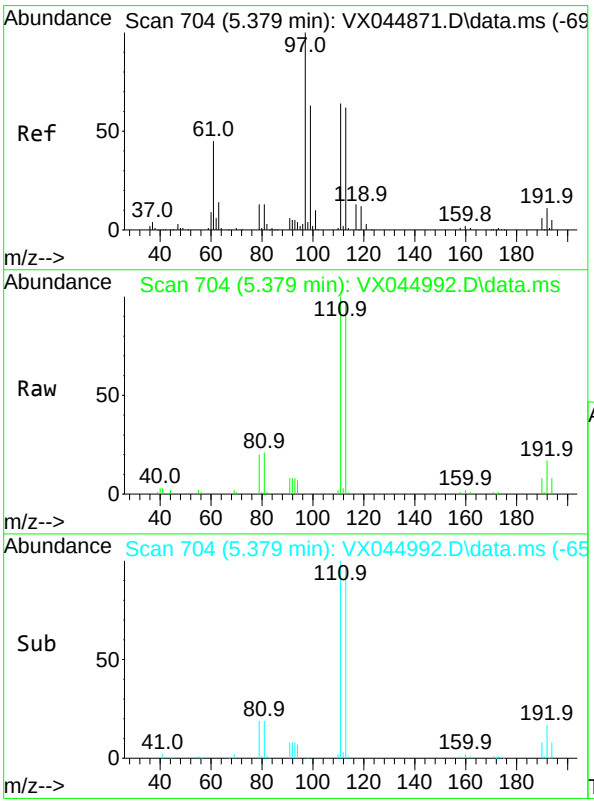
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Instrument :
MSVOA_X
ClientSampleId :
MW32

Tgt Ion:114 Resp: 179653

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	42.4
88	15.6	0.0	31.4

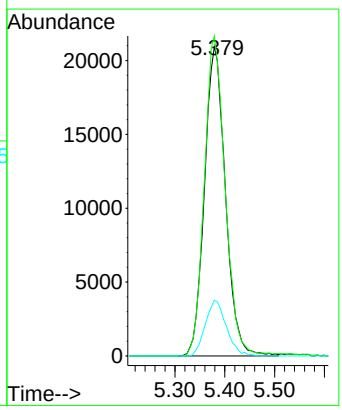


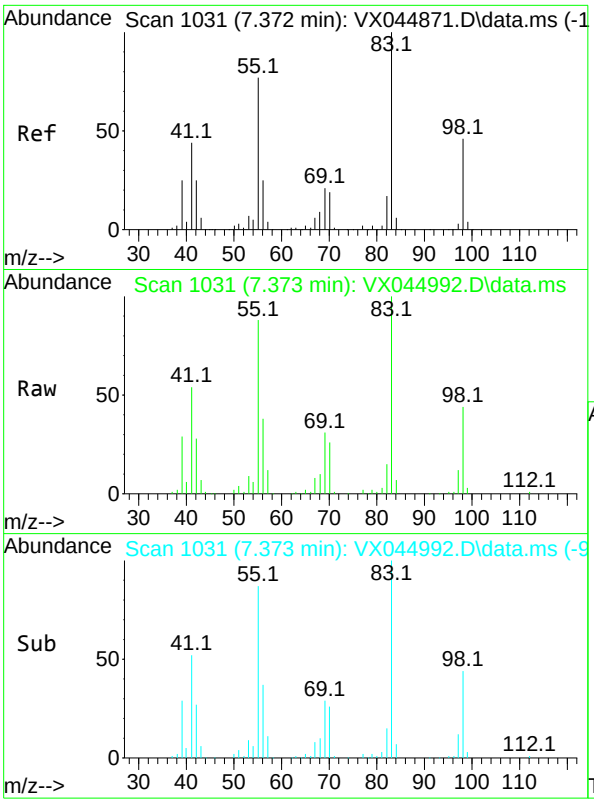


#35
Dibromofluoromethane
Concen: 52.340 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Tgt Ion:113 Resp: 61135

Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.5	125.3
192	18.0	14.4	21.6



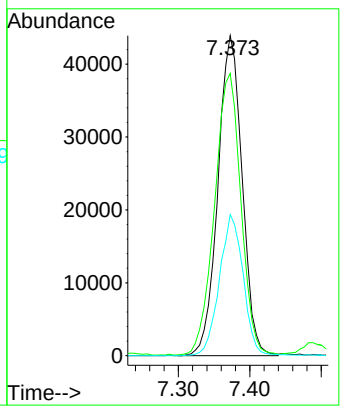


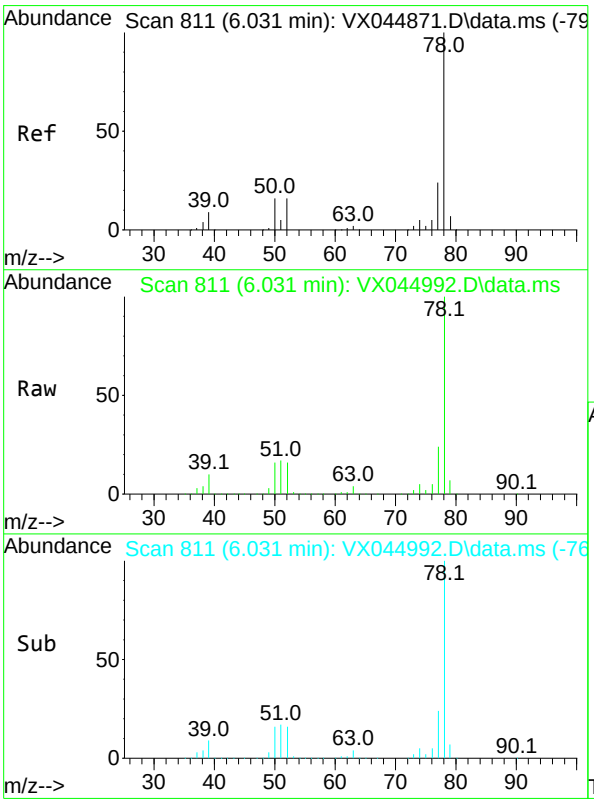
#39
Methylcyclohexane
Concen: 47.434 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Instrument :
MSVOA_X
ClientSampleId :
MW32

Tgt Ion: 83 Resp: 103342

Ion	Ratio	Lower	Upper
83	100		
55	87.9	61.3	91.9
98	44.1	37.0	55.6

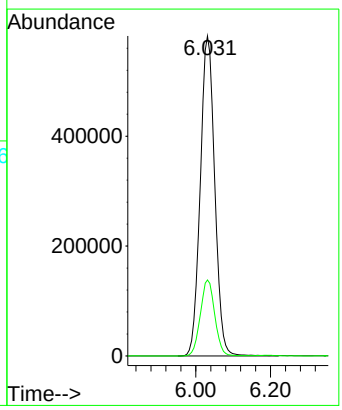


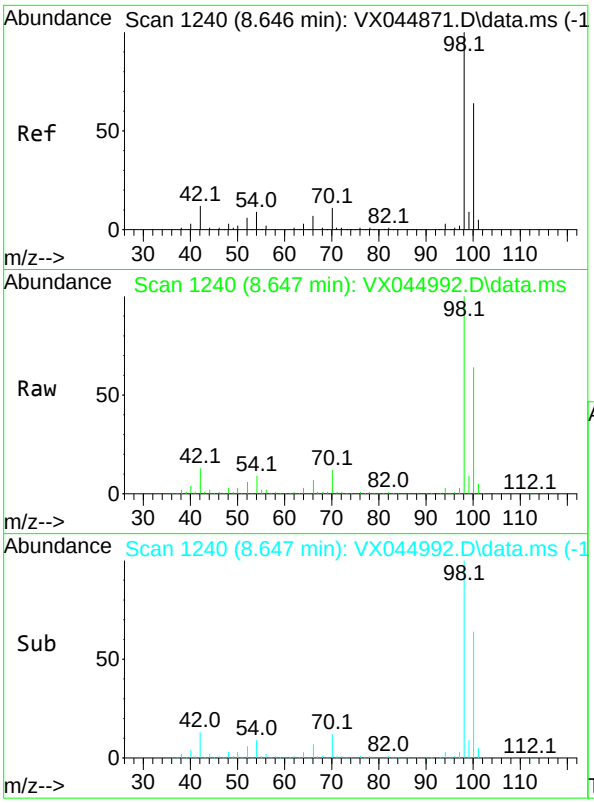


#40
Benzene
Concen: 297.136 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Tgt Ion: 78 Resp: 1563555

Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6



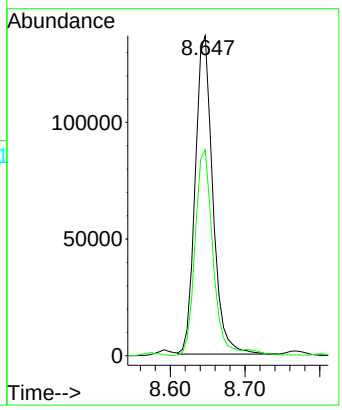


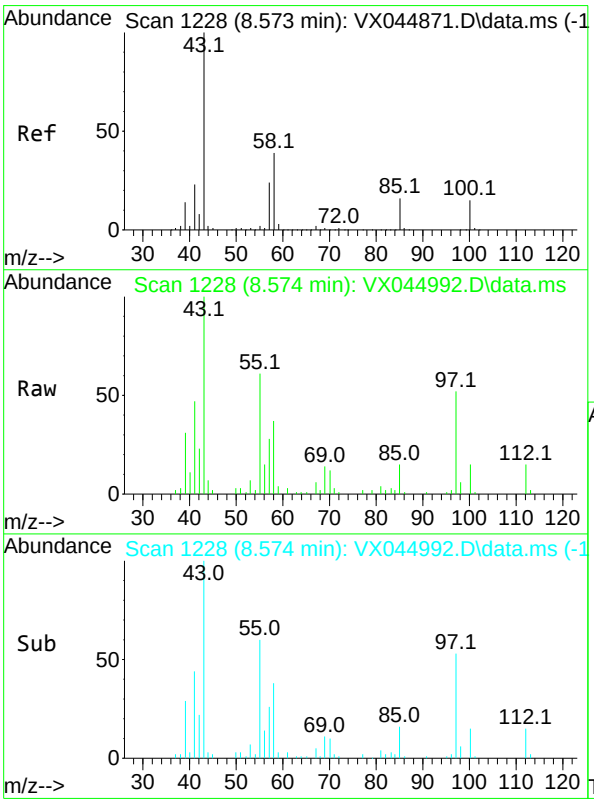
#50
Toluene-d8
Concen: 50.436 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Instrument :
MSVOA_X
ClientSampleId :
MW32

Tgt Ion: 98 Resp: 222767

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.7	79.1

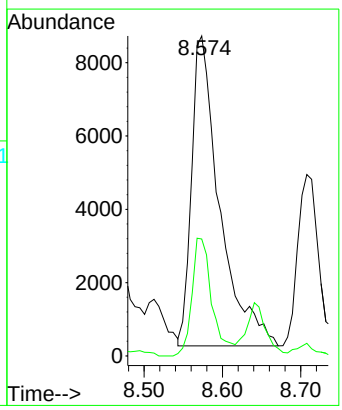


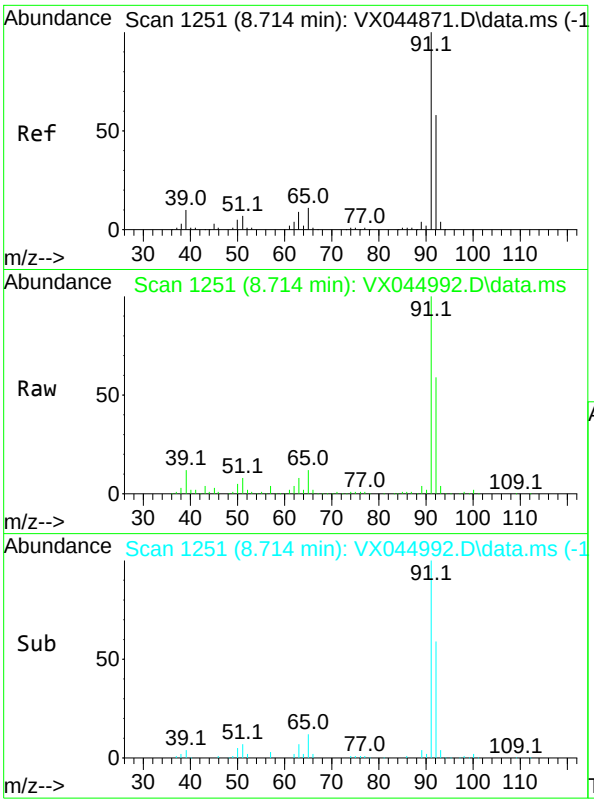


#51
4-Methyl-2-Pentanone
Concen: 11.423 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Tgt Ion: 43 Resp: 21021

Ion	Ratio	Lower	Upper
43	100		
58	27.4	30.8	46.2#



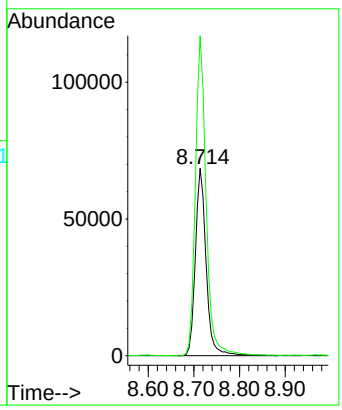


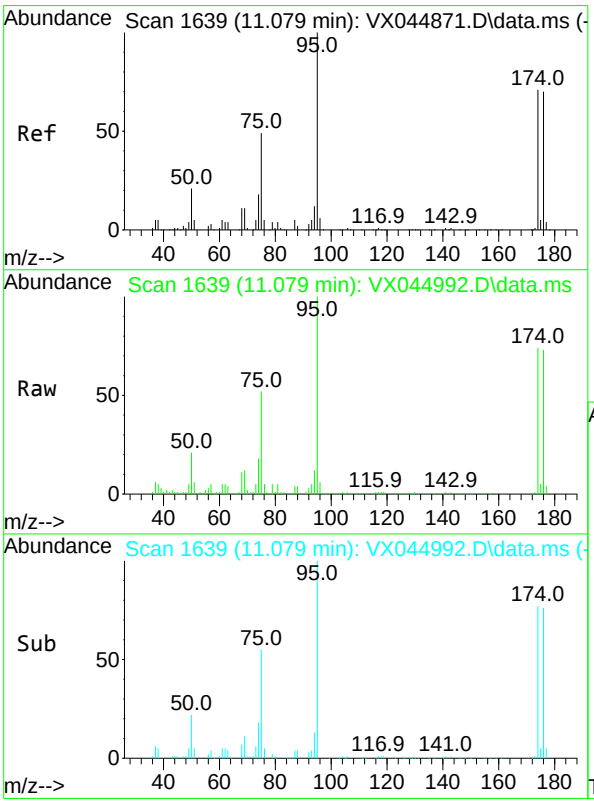
#52
Toluene
Concen: 35.636 ug/l
RT: 8.714 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Instrument :
MSVOA_X
ClientSampleId :
MW32

Tgt Ion: 92 Resp: 111679

Ion	Ratio	Lower	Upper
92	100		
91	171.4	137.4	206.2

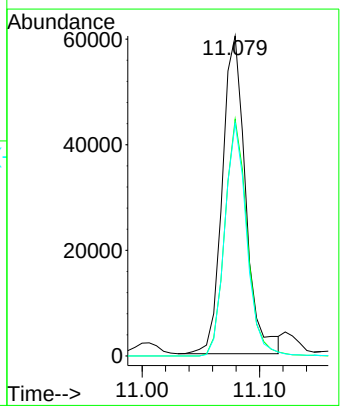


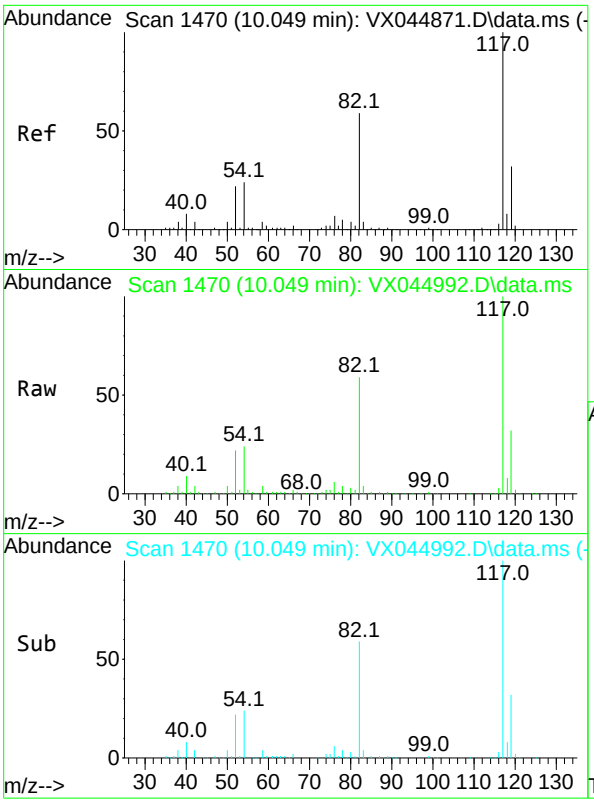


#62
4-Bromofluorobenzene
Concen: 55.722 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Tgt Ion: 95 Resp: 82970

Ion	Ratio	Lower	Upper
95	100		
174	70.9	0.0	142.6
176	69.1	0.0	141.6



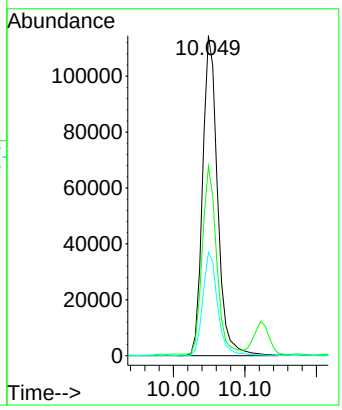


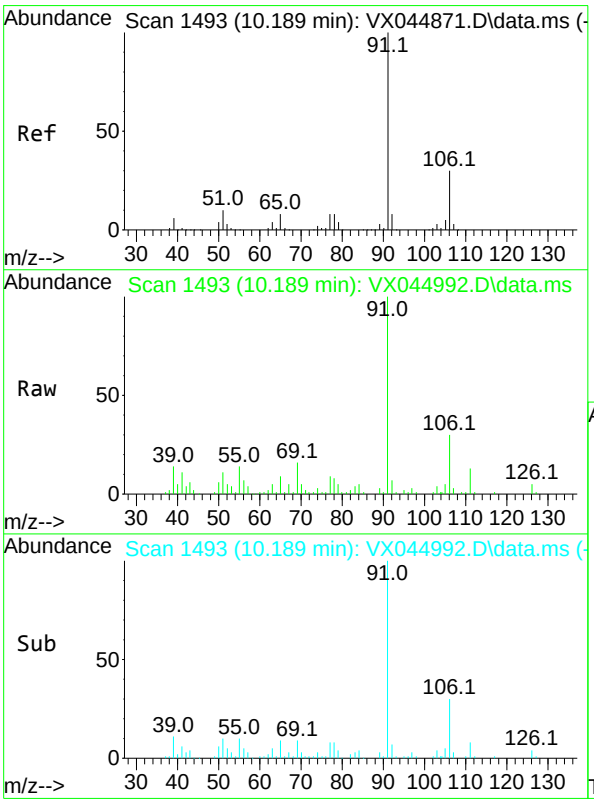
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Instrument :
MSVOA_X
ClientSampleId :
MW32

Tgt Ion:117 Resp: 166286

Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.5	71.3
119	32.3	25.4	38.0

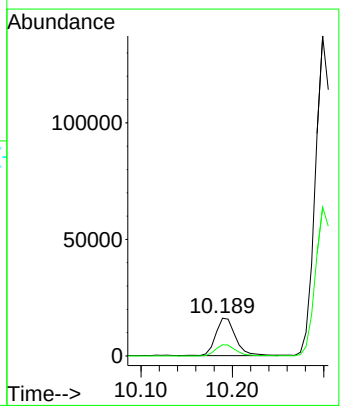


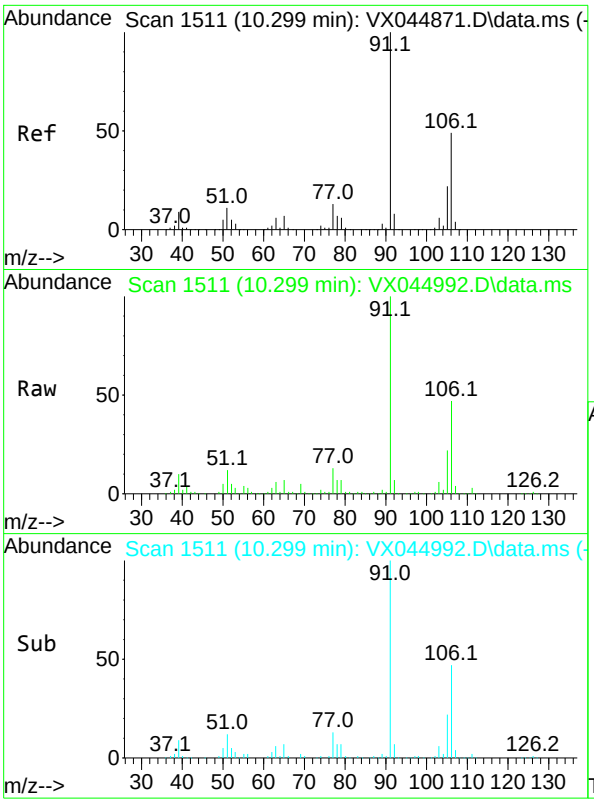


#67
Ethyl Benzene
Concen: 3.854 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Tgt Ion: 91 Resp: 24291

Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.9	35.9



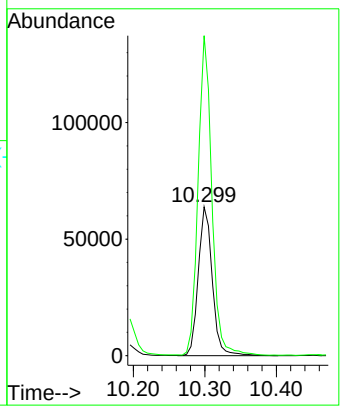


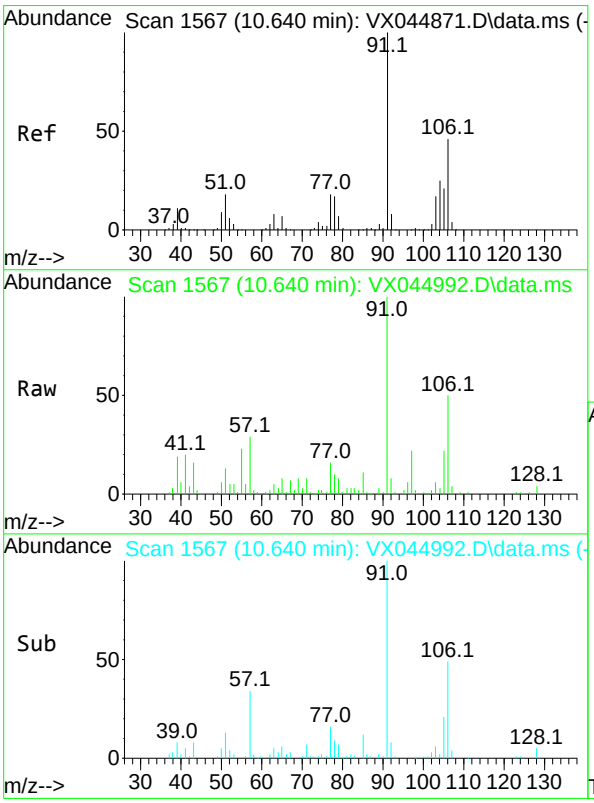
#68
m/p-Xylenes
Concen: 37.353 ug/l
RT: 10.299 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Instrument :
MSVOA_X
ClientSampleId :
MW32

Tgt Ion:106 Resp: 86845

Ion	Ratio	Lower	Upper
106	100		
91	209.7	164.3	246.5

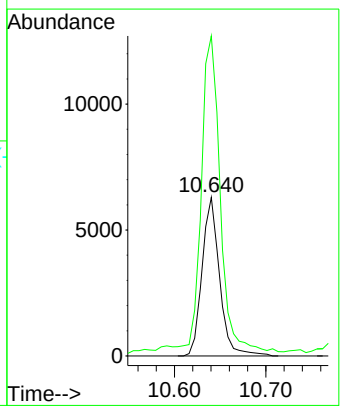


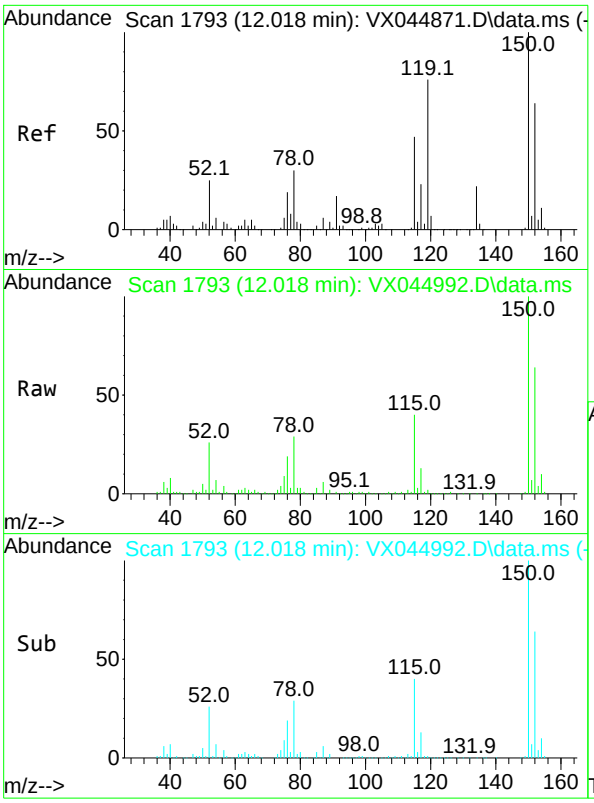


#69
o-Xylene
Concen: 3.600 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Tgt Ion:106 Resp: 8399

Ion	Ratio	Lower	Upper
106	100		
91	212.5	108.5	325.5



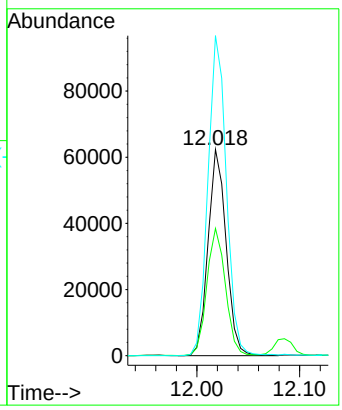


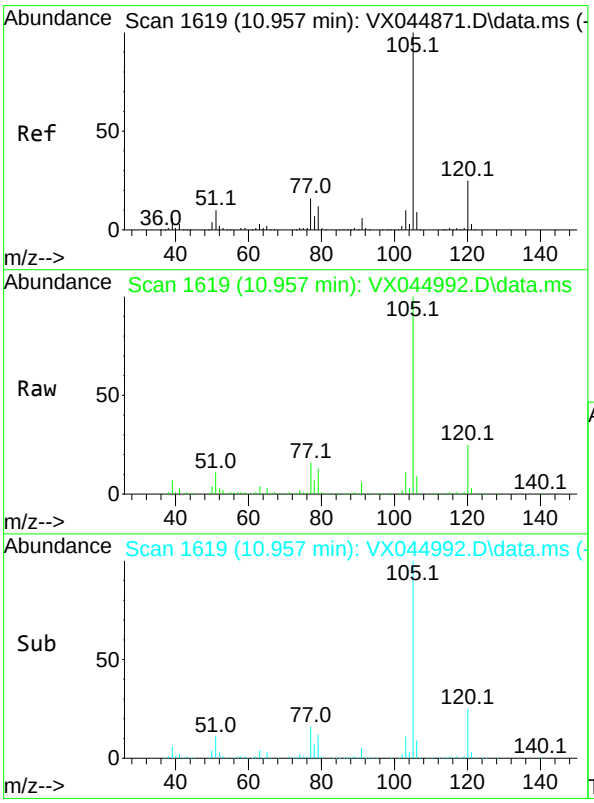
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Instrument :
MSVOA_X
ClientSampleId :
MW32

Tgt Ion:152 Resp: 76215

Ion	Ratio	Lower	Upper
152	100		
115	63.3	43.4	130.1
150	157.8	0.0	350.4

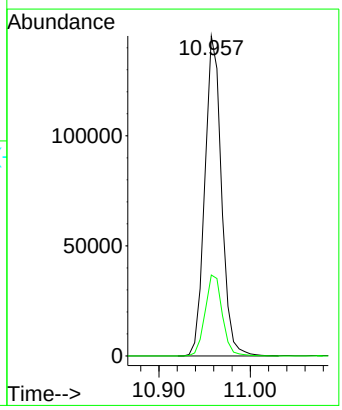


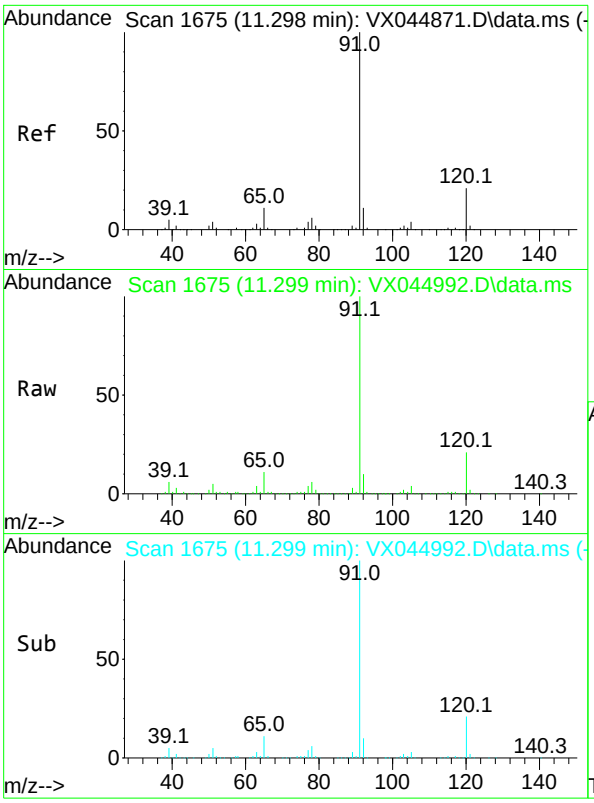


#73
Isopropylbenzene
Concen: 29.986 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Tgt Ion:105 Resp: 184014

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.2	39.5



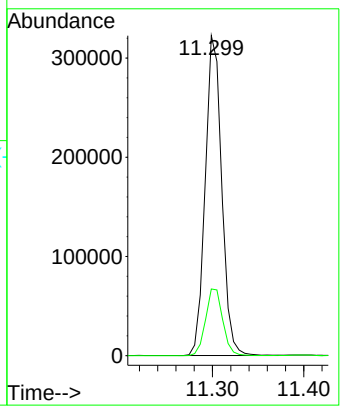


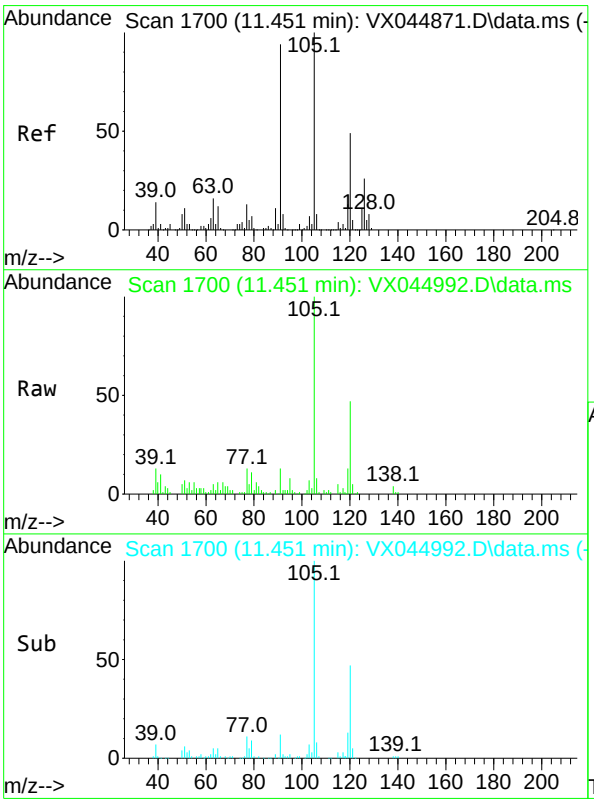
#78
n-propylbenzene
Concen: 57.090 ug/l
RT: 11.299 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Instrument :
MSVOA_X
ClientSampleId :
MW32

Tgt Ion: 91 Resp: 404384

Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.1	33.3

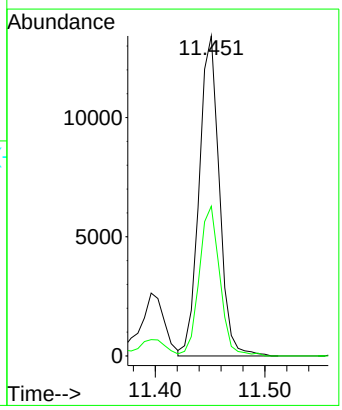


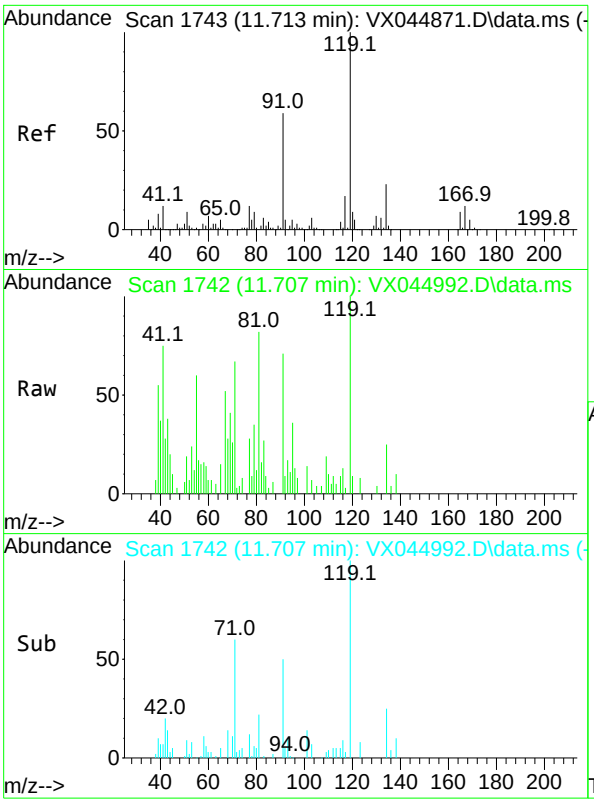


#80
1,3,5-Trimethylbenzene
Concen: 3.449 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Tgt Ion:105 Resp: 17175

Ion	Ratio	Lower	Upper
105	100		
120	47.8	24.0	72.0



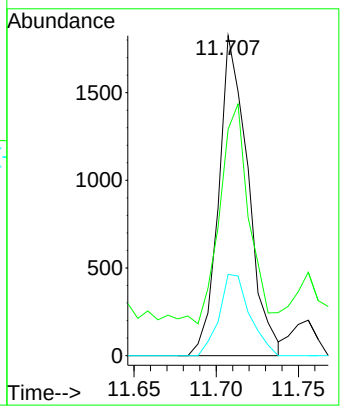


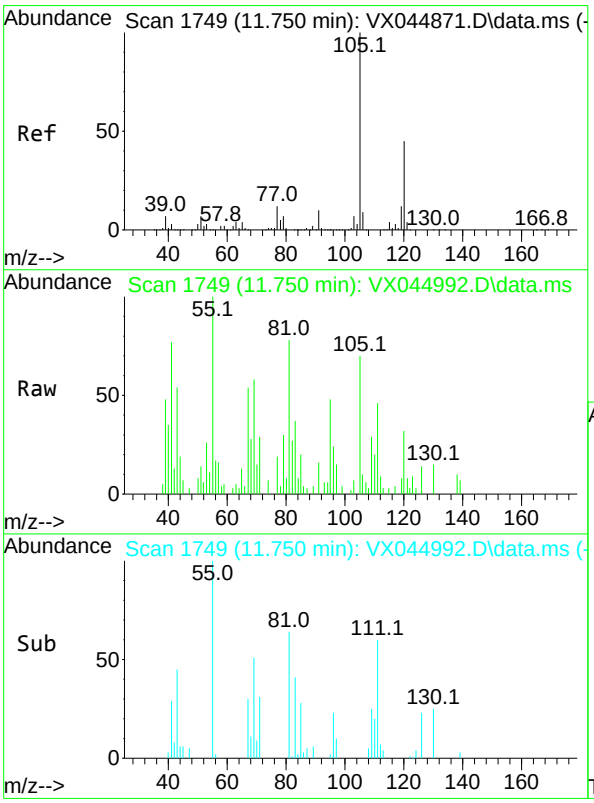
#83
tert-Butylbenzene
Concen: 0.449 ug/l
RT: 11.707 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Instrument :
MSVOA_X
ClientSampleId :
MW32

Tgt Ion:119 Resp: 2260

Ion	Ratio	Lower	Upper
119	100		
91	63.9	29.1	87.4
134	26.5	11.5	34.5

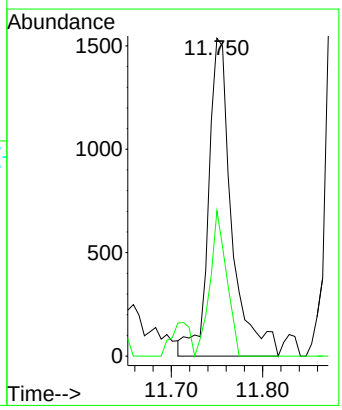


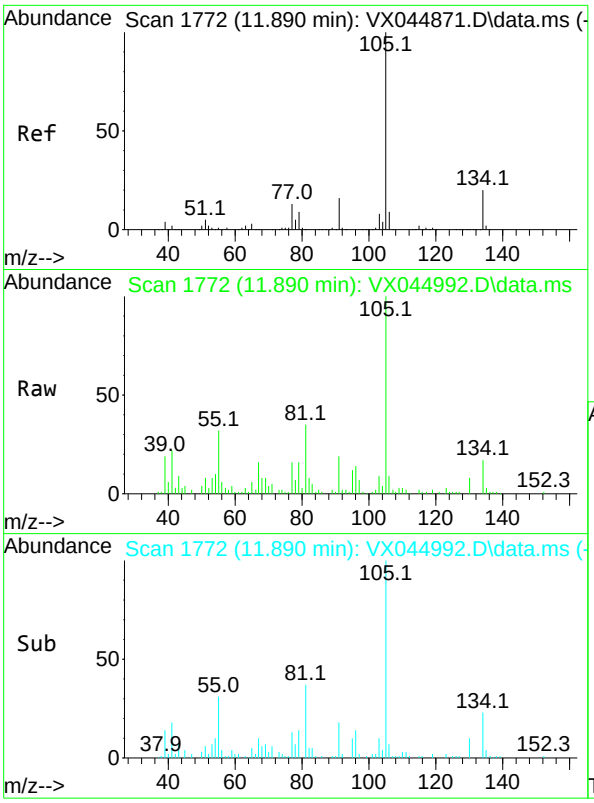


#84
1,2,4-Trimethylbenzene
Concen: 0.550 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Tgt Ion:105 Resp: 2703

Ion	Ratio	Lower	Upper
105	100		
120	32.7	22.4	67.0



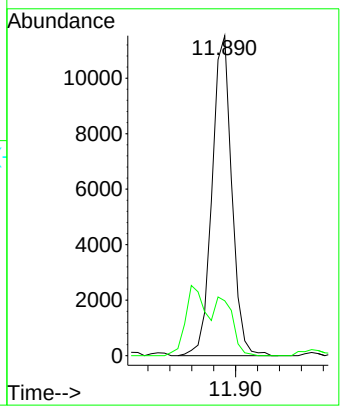


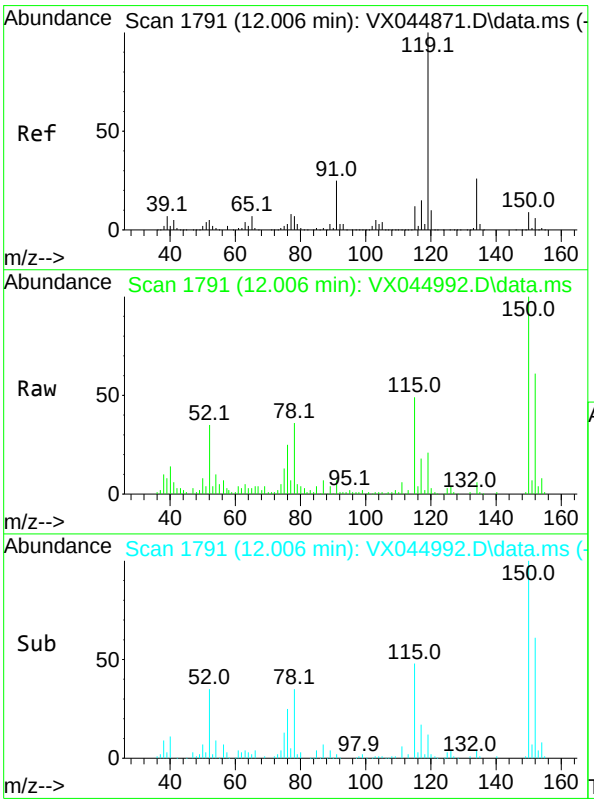
#85
sec-Butylbenzene
Concen: 2.304 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Instrument :
MSVOA_X
ClientSampleId :
MW32

Tgt Ion:105 Resp: 14375

Ion	Ratio	Lower	Upper
105	100		
134	16.1	9.8	29.3

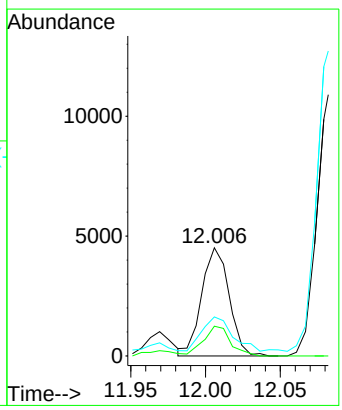


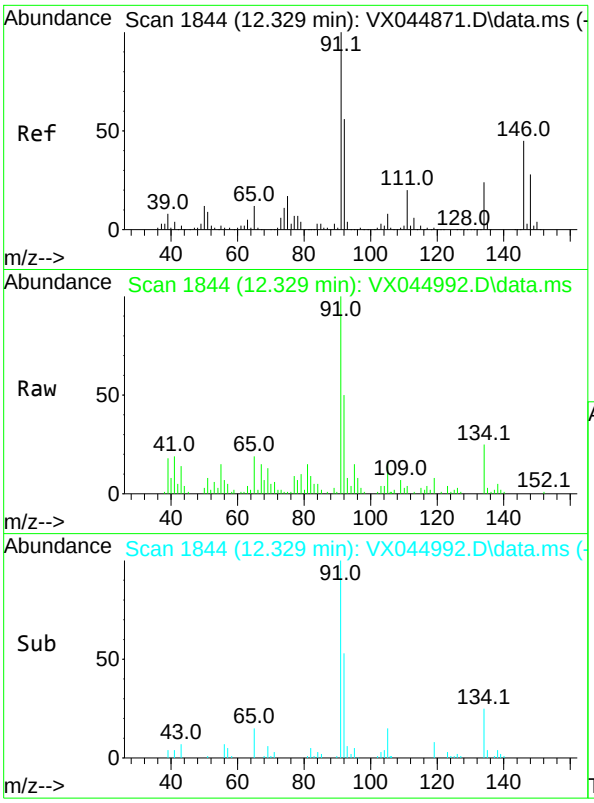


#86
p-Isopropyltoluene
Concen: 1.147 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Tgt Ion:119 Resp: 5753

Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.0	38.9
91	0.0	12.1	36.3#



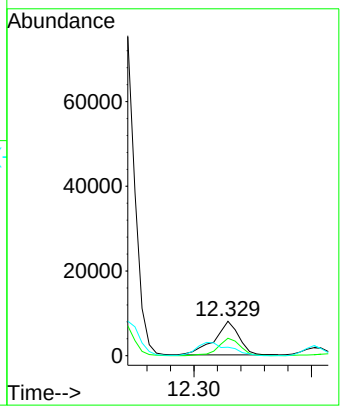


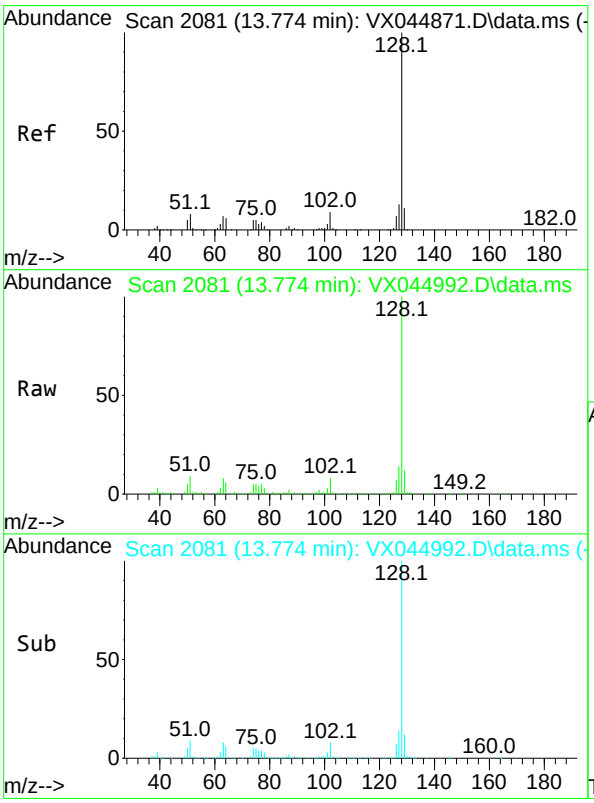
#89
n-Butylbenzene
Concen: 2.614 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Instrument :
MSVOA_X
ClientSampleId :
MW32

Tgt Ion: 91 Resp: 11603

Ion	Ratio	Lower	Upper
91	100		
92	46.2	27.2	81.6
134	52.6	12.1	36.3#

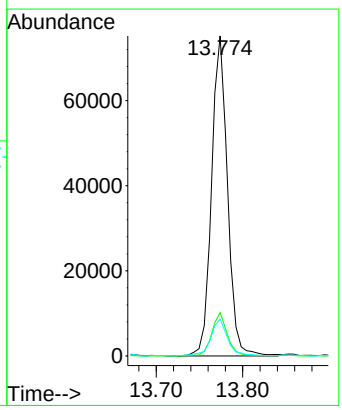




#95
Naphthalene
Concen: 17.486 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044992.D
Acq: 18 Feb 2025 16:54

Tgt Ion:128 Resp: 96178

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.1	15.1
129	12.4	8.9	13.3



Sample Results: **VX044992.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044992.D
Acq On : 18 Feb 2025 16:54
Operator : JC/MD
Sample : Q1376-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW32

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Title : SW846 8260

Signal : TIC: VX044992.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.142	7	9	22	rVB3	61666	78191	2.23%	0.211%
2	1.264	26	29	40	rBV	648978	878958	25.05%	2.369%
3	1.368	43	46	65	rVB	2521938	2907704	82.87%	7.837%
4	1.733	101	106	125	rVB	2362650	3444074	98.16%	9.282%
5	1.947	136	141	156	rVB2	236280	412260	11.75%	1.111%
6	2.209	177	184	196	rVB	574826	872899	24.88%	2.353%
7	2.331	198	204	210	rBV	42327	82337	2.35%	0.222%
8	2.776	261	277	280	rBV2	135998	394804	11.25%	1.064%
9	2.861	280	291	302	rVV	957576	2262900	64.49%	6.099%
10	2.959	302	307	318	rVV	18105	45716	1.30%	0.123%
11	3.093	320	329	342	rVB	209091	483487	13.78%	1.303%
12	3.727	423	433	441	rBV	52656	130382	3.72%	0.351%
13	3.831	442	450	457	rBV	35396	86604	2.47%	0.233%
14	4.093	479	493	504	rVB2	59424	171664	4.89%	0.463%
15	4.202	504	511	516	rVV	18355	48847	1.39%	0.132%
16	4.294	516	526	538	rVV	607620	1747269	49.80%	4.709%
17	4.416	538	546	562	rVB2	51485	165049	4.70%	0.445%
18	5.184	650	672	689	rVB2	102483	355639	10.14%	0.959%
19	5.379	694	704	709	rBV2	70973	203667	5.80%	0.549%
20	5.464	709	718	726	rVV	476637	1505235	42.90%	4.057%
21	5.544	726	731	737	rVV	98772	284215	8.10%	0.766%
22	5.611	738	742	760	rVB3	63755	189820	5.41%	0.512%
23	5.830	766	778	790	rBV4	54314	187308	5.34%	0.505%
24	5.946	790	797	802	rVV	77140	193671	5.52%	0.522%
25	6.031	802	811	823	rVV	1290760	3508762	100.00%	9.457%
26	6.153	823	831	841	rVV3	120485	517601	14.75%	1.395%
27	6.251	841	847	855	rVV4	126991	367158	10.46%	0.990%
28	6.348	855	863	876	rVB2	88573	255940	7.29%	0.690%
29	6.476	876	884	898	rBV3	28525	81008	2.31%	0.218%
30	6.757	920	930	940	rBV	174778	472727	13.47%	1.274%
31	6.848	942	945	957	rVB4	25743	59662	1.70%	0.161%
32	7.165	989	997	1004	rBV	32683	75420	2.15%	0.203%
33	7.373	1019	1031	1042	rVB2	244360	638681	18.20%	1.721%
34	7.488	1042	1050	1056	rBV2	20009	49706	1.42%	0.134%
35	7.653	1071	1077	1088	rVB	33394	66553	1.90%	0.179%
36	7.769	1088	1096	1103	rBV	72495	147211	4.20%	0.397%

Sample Results: **VX044992.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044992.D
Acq On : 18 Feb 2025 16:54
Operator : JC/MD
Sample : Q1376-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW32

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Title : SW846 8260

37	7.879	1103	1114	1120	rBV4	24678	71529	2.04%	0.193%
38	7.952	1120	1126	1143	rVB3	53708	156064	4.45%	0.421%
39	8.104	1143	1151	1153	rBV	27491	54125	1.54%	0.146%
40	8.141	1153	1157	1161	rVB	32089	50181	1.43%	0.135%
41	8.311	1178	1185	1192	rBV3	50293	106381	3.03%	0.287%
42	8.403	1192	1200	1209	rBV2	220056	517911	14.76%	1.396%
43	8.500	1211	1216	1224	rVB3	103628	193455	5.51%	0.521%
44	8.598	1224	1232	1235	rBV3	139634	280898	8.01%	0.757%
45	8.647	1235	1240	1246	rVB	347504	561000	15.99%	1.512%
46	8.714	1246	1251	1256	rBV	283224	420911	12.00%	1.134%
47	8.769	1256	1260	1264	rVV	90066	128487	3.66%	0.346%
48	8.842	1269	1272	1279	rVB3	34418	58836	1.68%	0.159%
49	8.921	1279	1285	1288	rBV3	19263	36381	1.04%	0.098%
50	8.970	1288	1293	1299	rVV	218909	353042	10.06%	0.952%
51	9.049	1302	1306	1310	rVV	62830	107769	3.07%	0.290%
52	9.098	1310	1314	1320	rVB	126731	196524	5.60%	0.530%
53	9.372	1355	1359	1363	rBV	27146	40745	1.16%	0.110%
54	9.451	1363	1372	1376	rVV	162480	292116	8.33%	0.787%
55	9.506	1376	1381	1386	rVV3	76394	136070	3.88%	0.367%
56	9.561	1386	1390	1394	rVB	29936	42711	1.22%	0.115%
57	9.616	1394	1399	1402	rBV	53682	82585	2.35%	0.223%
58	9.829	1430	1434	1446	rVB	43461	76348	2.18%	0.206%
59	9.957	1446	1455	1459	rBV3	122689	250347	7.13%	0.675%
60	10.049	1466	1470	1475	rBV	351921	477955	13.62%	1.288%
61	10.122	1479	1482	1488	rVV	59721	89593	2.55%	0.241%
62	10.189	1488	1493	1503	rVB4	43345	109685	3.13%	0.296%
63	10.299	1503	1511	1517	rBV	418289	611336	17.42%	1.648%
64	10.451	1532	1536	1543	rVB2	45836	81754	2.33%	0.220%
65	10.592	1549	1559	1564	rBV6	70003	195998	5.59%	0.528%
66	10.640	1564	1567	1573	rVB2	53492	81072	2.31%	0.219%
67	10.774	1581	1589	1597	rVB2	77118	142846	4.07%	0.385%
68	10.854	1597	1602	1614	rVV6	55461	127017	3.62%	0.342%
69	10.957	1614	1619	1623	rVV	364673	462475	13.18%	1.246%
70	11.006	1623	1627	1634	rVV4	54799	98071	2.80%	0.264%
71	11.079	1634	1639	1643	rVV	298479	401843	11.45%	1.083%
72	11.122	1643	1646	1650	rVV	50254	71422	2.04%	0.192%
73	11.183	1650	1656	1658	rVV4	21588	39308	1.12%	0.106%
74	11.219	1658	1662	1666	rVV5	46883	78129	2.23%	0.211%
75	11.268	1666	1670	1672	rVV	106826	148959	4.25%	0.401%
76	11.299	1672	1675	1685	rVV	669259	887979	25.31%	2.393%

Sample Results: **VX044992.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044992.D
Acq On : 18 Feb 2025 16:54
Operator : JC/MD
Sample : Q1376-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW32

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Title : SW846 8260

77	11.384	1685	1689	1695	rVV4	26935	59764	1.70%	0.161%
78	11.451	1696	1700	1707	rVB	43179	66111	1.88%	0.178%
79	11.610	1721	1726	1734	rVB	139974	186921	5.33%	0.504%
80	11.860	1761	1767	1769	rBV2	34037	53995	1.54%	0.146%
81	11.884	1769	1771	1782	rVB3	50465	83718	2.39%	0.226%
82	12.018	1787	1793	1799	rBV	413448	526852	15.02%	1.420%
83	12.085	1799	1804	1814	rBV	360220	455564	12.98%	1.228%
84	12.238	1824	1829	1835	rBV	1552254	1975098	56.29%	5.323%
85	12.311	1837	1841	1850	rVB3	63828	129618	3.69%	0.349%
86	12.402	1850	1856	1862	rBV	25761	43117	1.23%	0.116%
87	12.609	1886	1890	1893	rBV	86246	98071	2.80%	0.264%
88	12.640	1893	1895	1900	rVV2	47780	69189	1.97%	0.186%
89	12.695	1900	1904	1912	rVB	199211	265314	7.56%	0.715%
90	12.811	1918	1923	1926	rBV	26918	43171	1.23%	0.116%
91	12.920	1933	1941	1945	rBV	145475	209112	5.96%	0.564%
92	12.963	1945	1948	1954	rVV3	25040	47153	1.34%	0.127%
93	13.024	1954	1958	1964	rVB3	43245	66515	1.90%	0.179%
94	13.164	1978	1981	1990	rVB	174782	232517	6.63%	0.627%
95	13.286	1997	2001	2006	rVB2	242349	313963	8.95%	0.846%
96	13.420	2016	2023	2029	rVB4	31793	67753	1.93%	0.183%
97	13.579	2046	2049	2052	rVB2	46358	56860	1.62%	0.153%
98	13.664	2060	2063	2070	rVB3	32901	52206	1.49%	0.141%
99	13.774	2071	2081	2090	rBV	160601	231002	6.58%	0.623%
100	14.780	2239	2246	2252	rBV2	52883	76636	2.18%	0.207%

Sum of corrected areas: 37103207

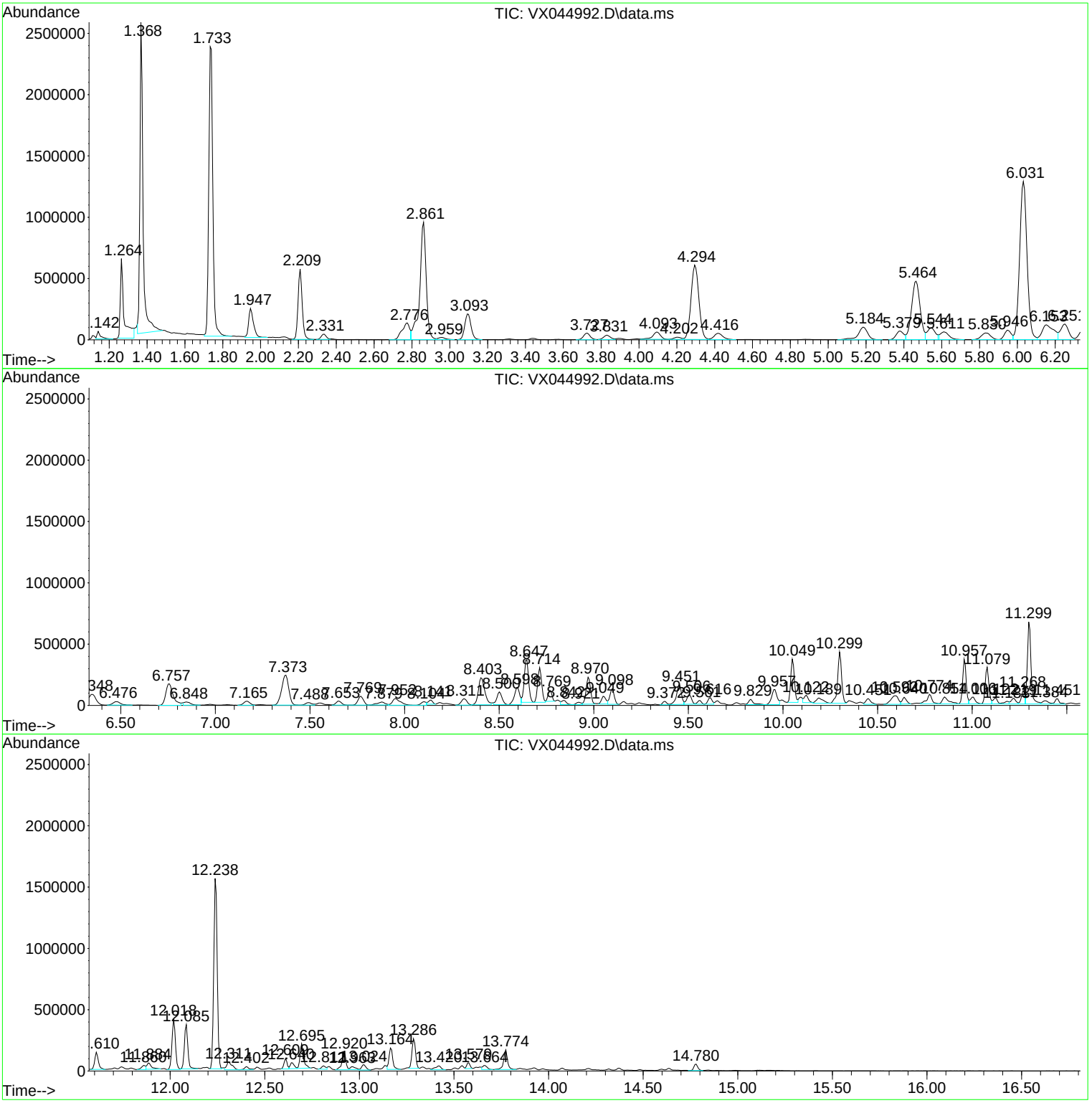
Sample Results: **VX044992.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044992.D
Acq On : 18 Feb 2025 16:54
Operator : JC/MD
Sample : Q1376-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW32

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044992.D
Acq On : 18 Feb 2025 16:54
Operator : JC/MD
Sample : Q1376-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW32

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

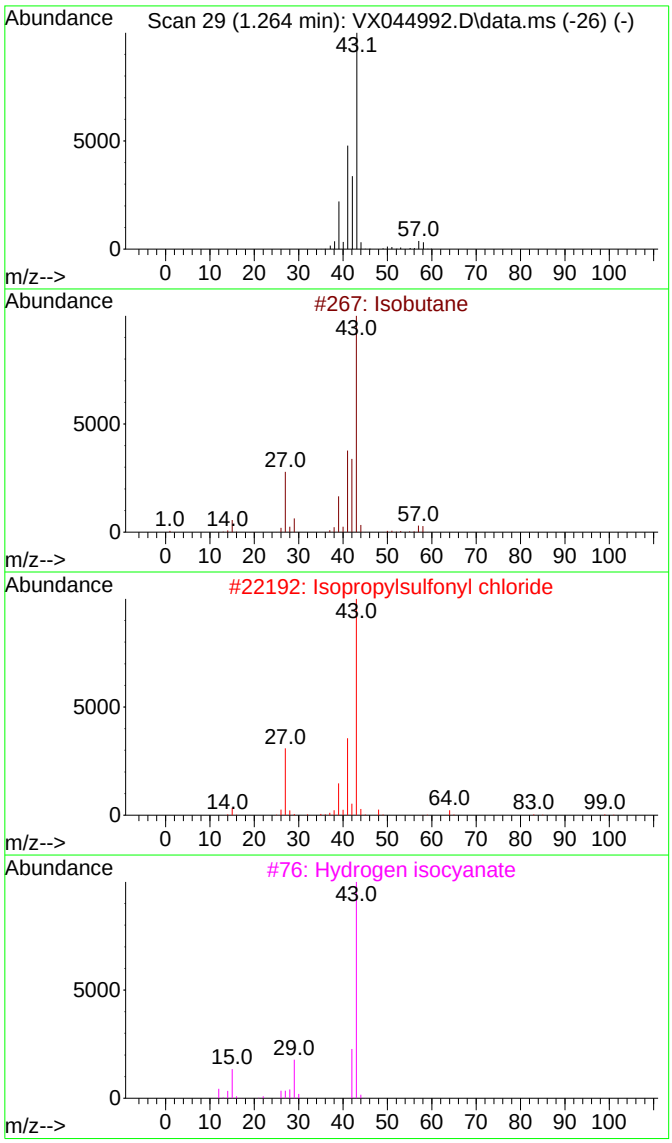
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

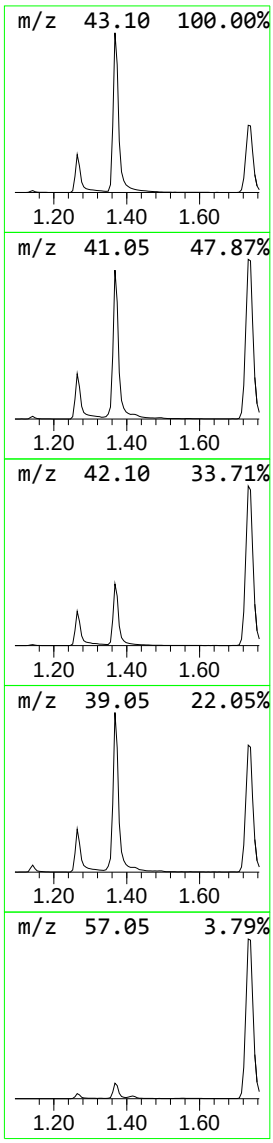
****

Peak Number 1 Isobutane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.264	154.63 ug/l	878958	Pentafluorobenzene	5.544

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	80
2	Isopropylsulfonyl chloride	142	C3H7ClO2S	010147-37-2	9
3	Hydrogen isocyanate	43	CHNO	000075-13-8	4
4	Propane, 2-nitro-	89	C3H7NO2	000079-46-9	4
5	Cyclobutylamine	71	C4H9N	002516-34-9	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044992.D
Acq On : 18 Feb 2025 16:54
Operator : JC/MD
Sample : Q1376-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW32

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

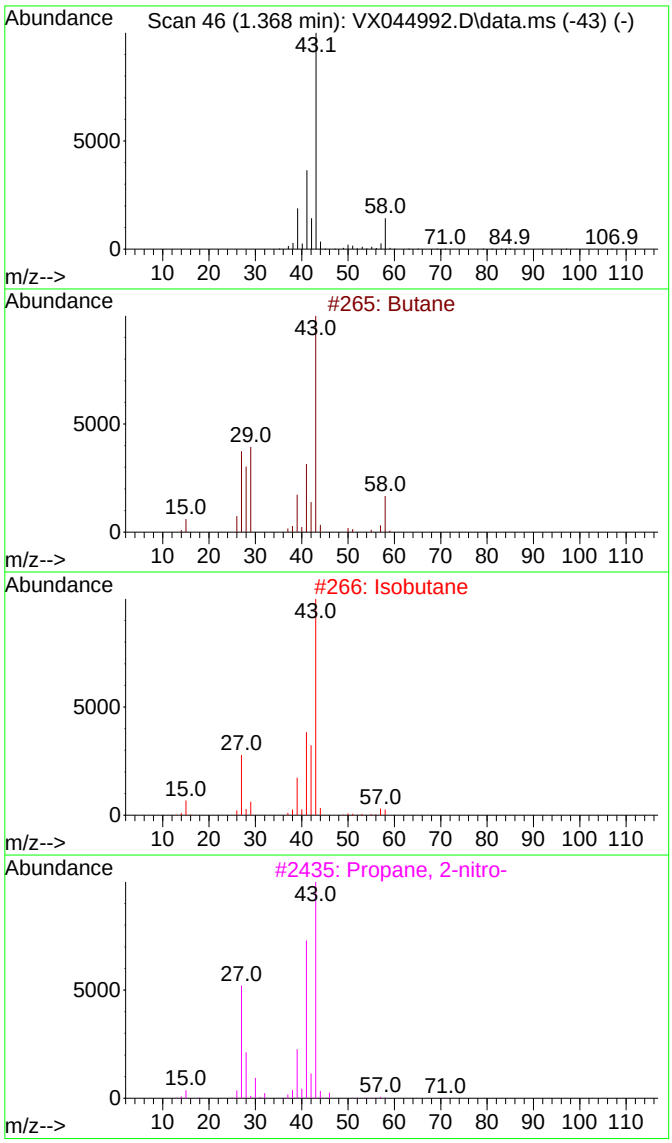
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

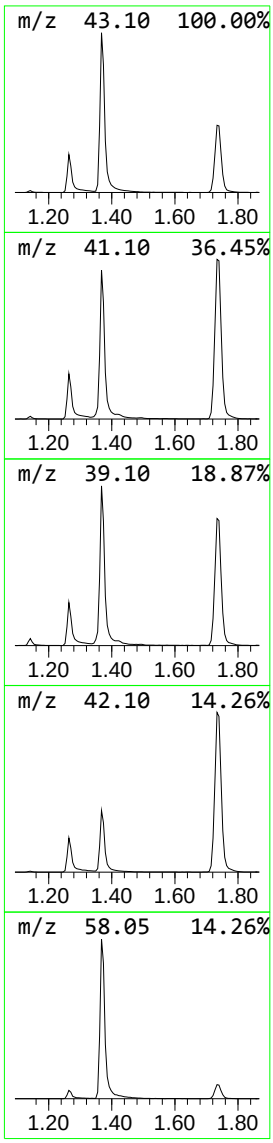
****

Peak Number 2 Butane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.368	511.53 ug/l	2907700	Pentafluorobenzene	5.544

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	80
2	Isobutane	58	C4H10	000075-28-5	9
3	Propane, 2-nitro-	89	C3H7NO2	000079-46-9	9
4	Isopropylsulfonyl chloride	142	C3H7ClO2S	010147-37-2	9
5	Propane, 1-nitro-	89	C3H7NO2	000108-03-2	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044992.D
Acq On : 18 Feb 2025 16:54
Operator : JC/MD
Sample : Q1376-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW32

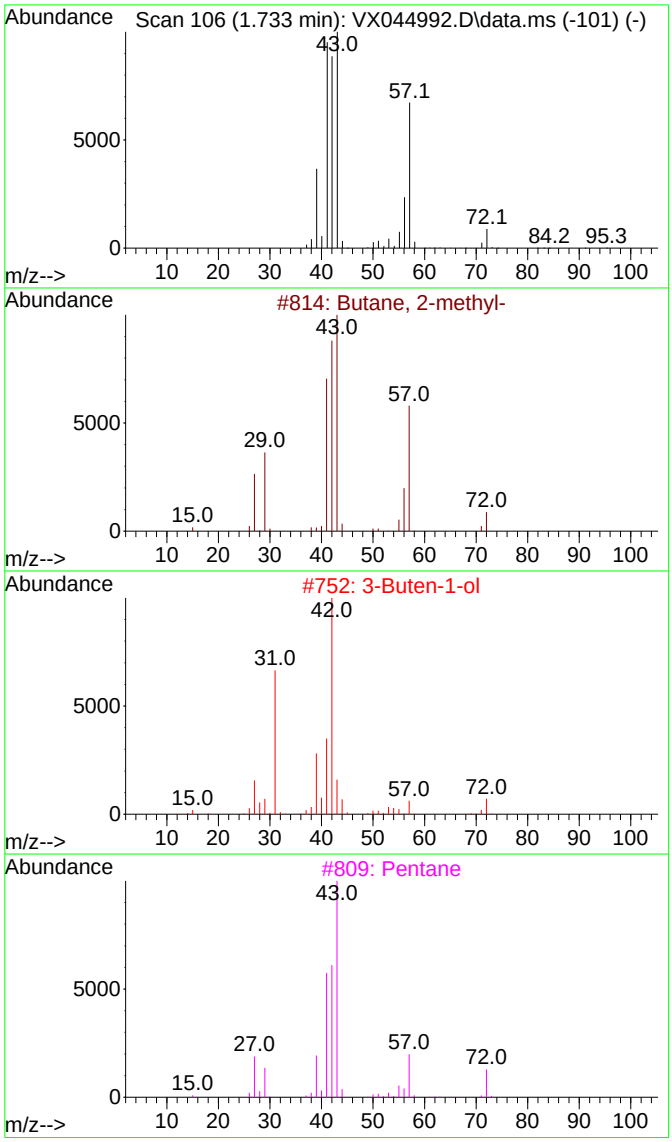
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

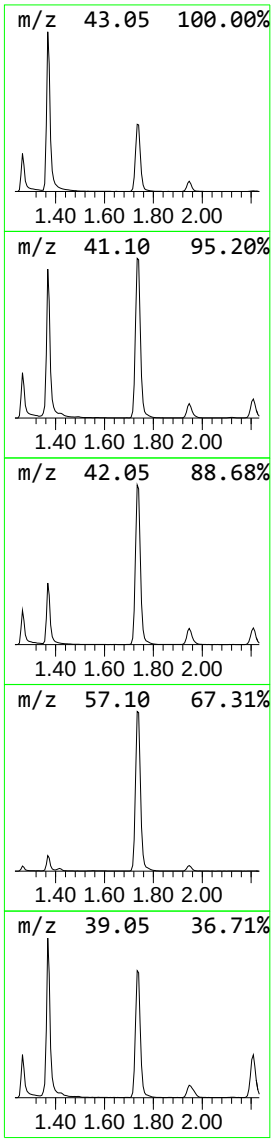
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Butane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.733	605.89 ug/l	3444070	Pentafluorobenzene	5.544

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	86
2	3-Buten-1-ol	72	C4H8O	000627-27-0	47
3	Pentane	72	C5H12	000109-66-0	36
4	Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	16
5	Azetidine	57	C3H7N	000503-29-7	9





Sample Results: **VX044992.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044992.D
Acq On : 18 Feb 2025 16:54
Operator : JC/MD
Sample : Q1376-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW32

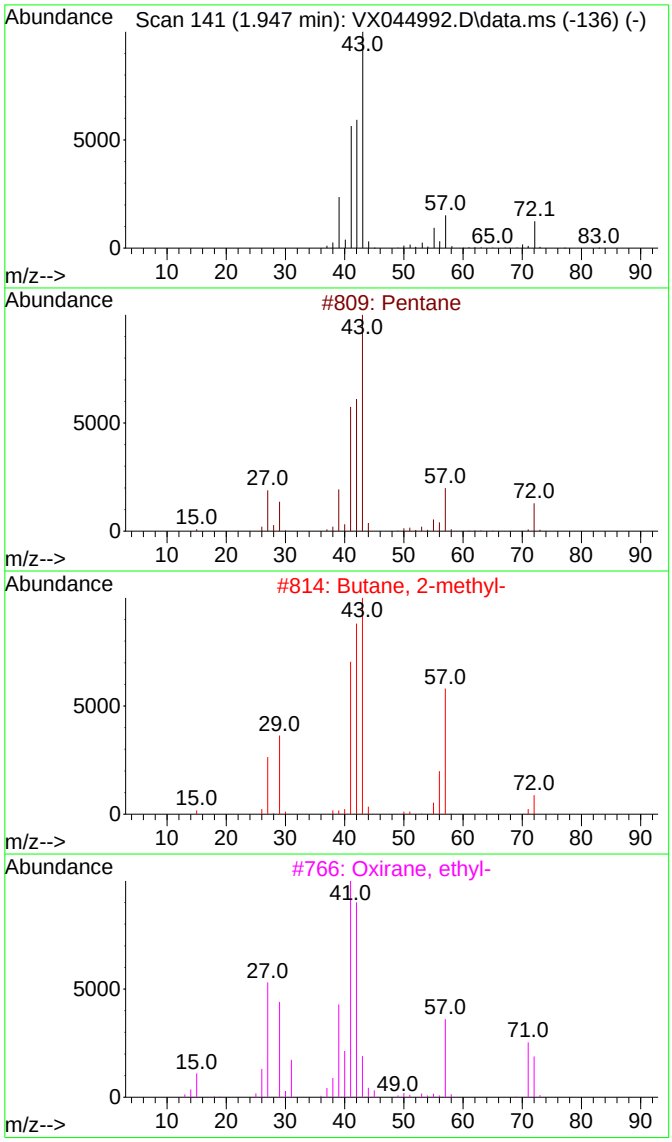
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

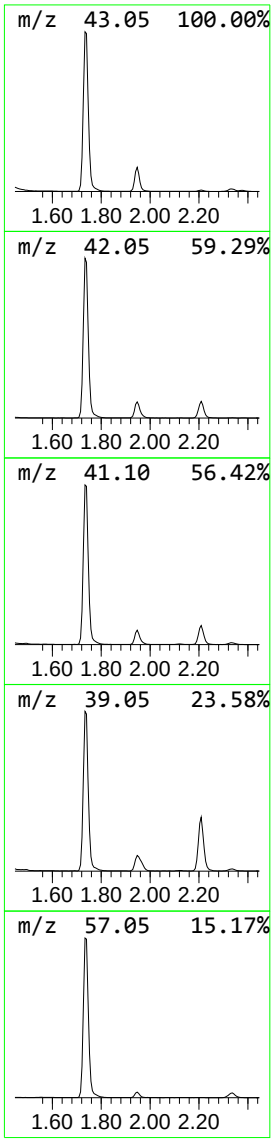
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Pentane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.947	72.53 ug/l	412260	Pentafluorobenzene	5.544

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	87
2	Butane, 2-methyl-	72	C5H12	000078-78-4	59
3	Oxirane, ethyl-	72	C4H8O	000106-88-7	43
4	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	35
5	Butanal, 2,2-dimethyl-	100	C6H12O	002094-75-9	10





Sample Results: **VX044992.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044992.D
Acq On : 18 Feb 2025 16:54
Operator : JC/MD
Sample : Q1376-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW32

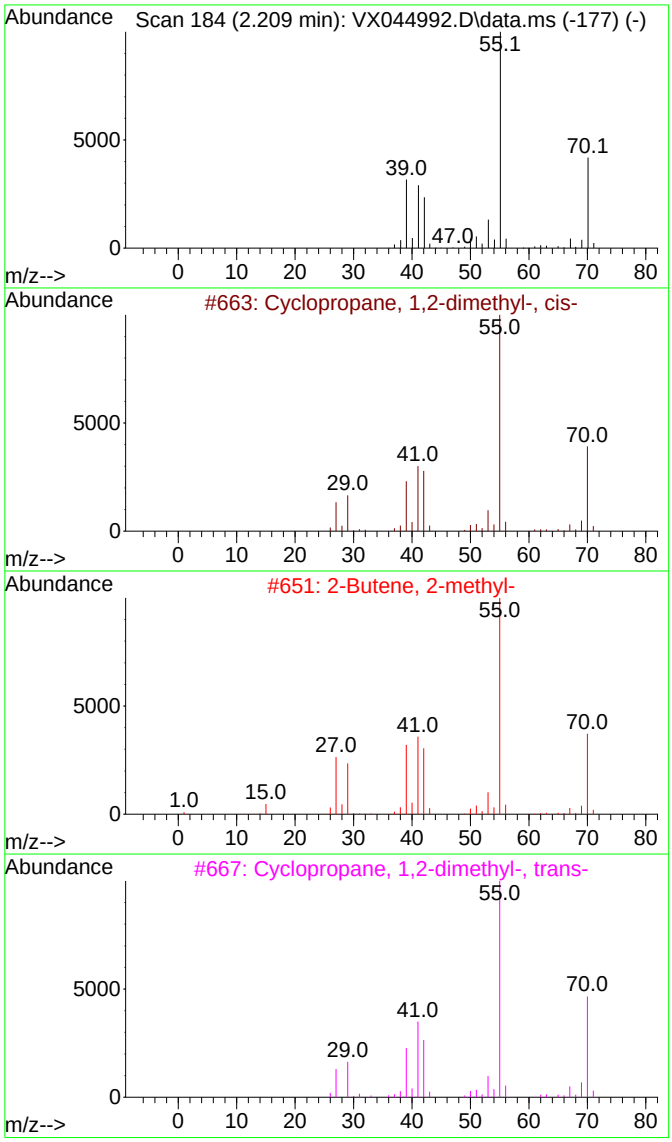
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

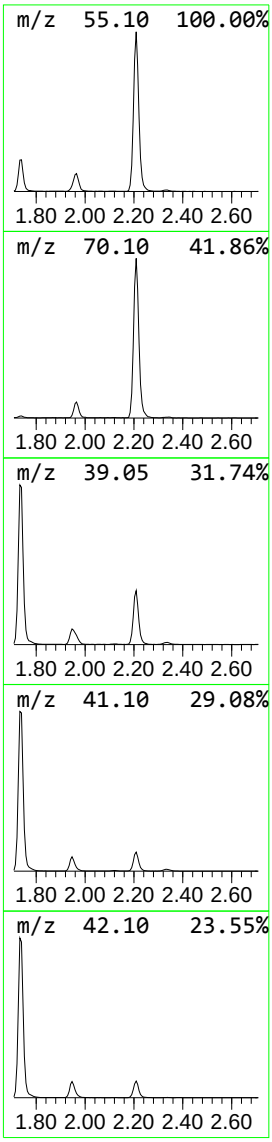
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Cyclopropane, 1,2-dimethyl-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.209	153.56 ug/l	872899	Pentafluorobenzene	5.544

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	91
2	2-Butene, 2-methyl-	70	C5H10	000513-35-9	91
3	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	87
4	2-Pentene, (E)-	70	C5H10	000646-04-8	87
5	2-Pentene	70	C5H10	000109-68-2	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044992.D
Acq On : 18 Feb 2025 16:54
Operator : JC/MD
Sample : Q1376-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW32

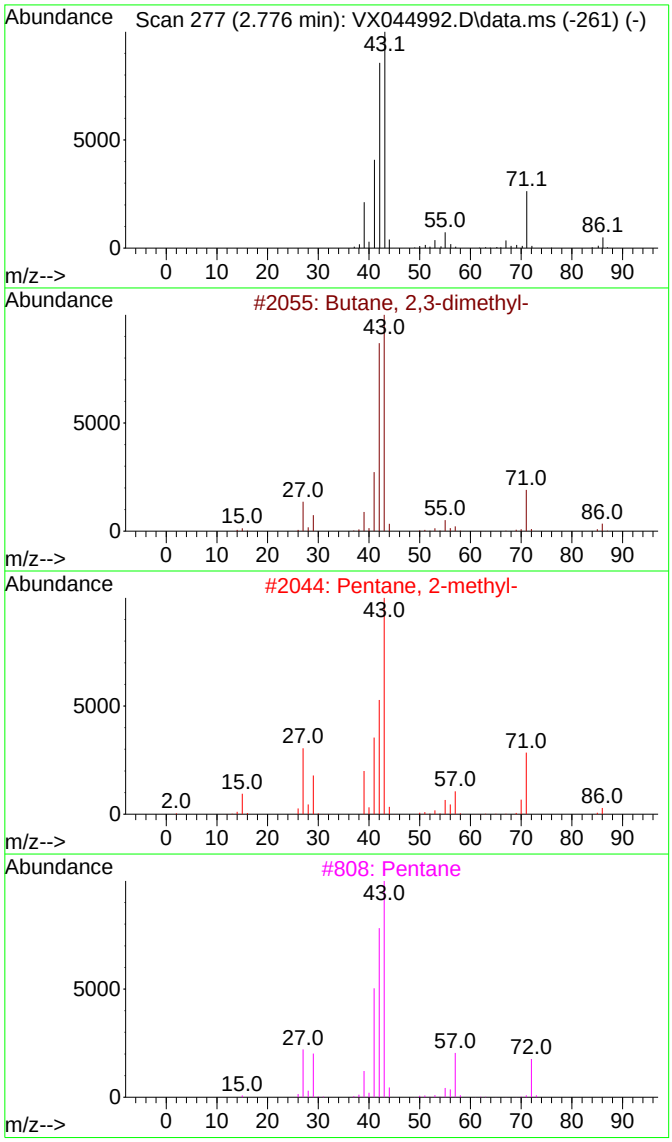
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

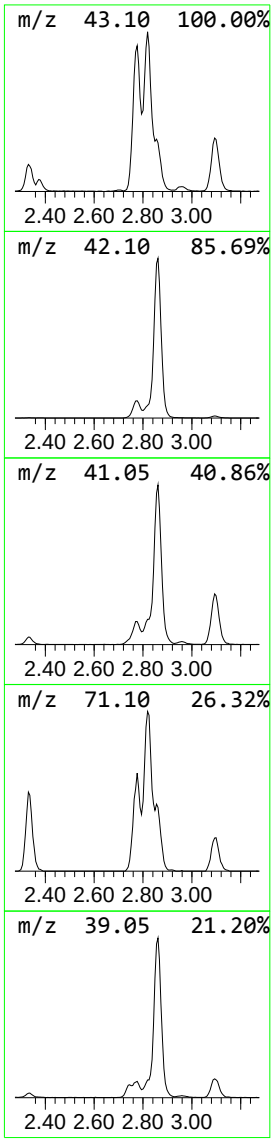
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Butane, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.776	69.46 ug/l	394804	Pentafluorobenzene	5.544

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	47
3	Pentane	72	C5H12	000109-66-0	42
4	Tetrahydrofuran	72	C4H8O	000109-99-9	36
5	Cyclobutane, methyl-	70	C5H10	000598-61-8	28





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044992.D
Acq On : 18 Feb 2025 16:54
Operator : JC/MD
Sample : Q1376-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW32

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

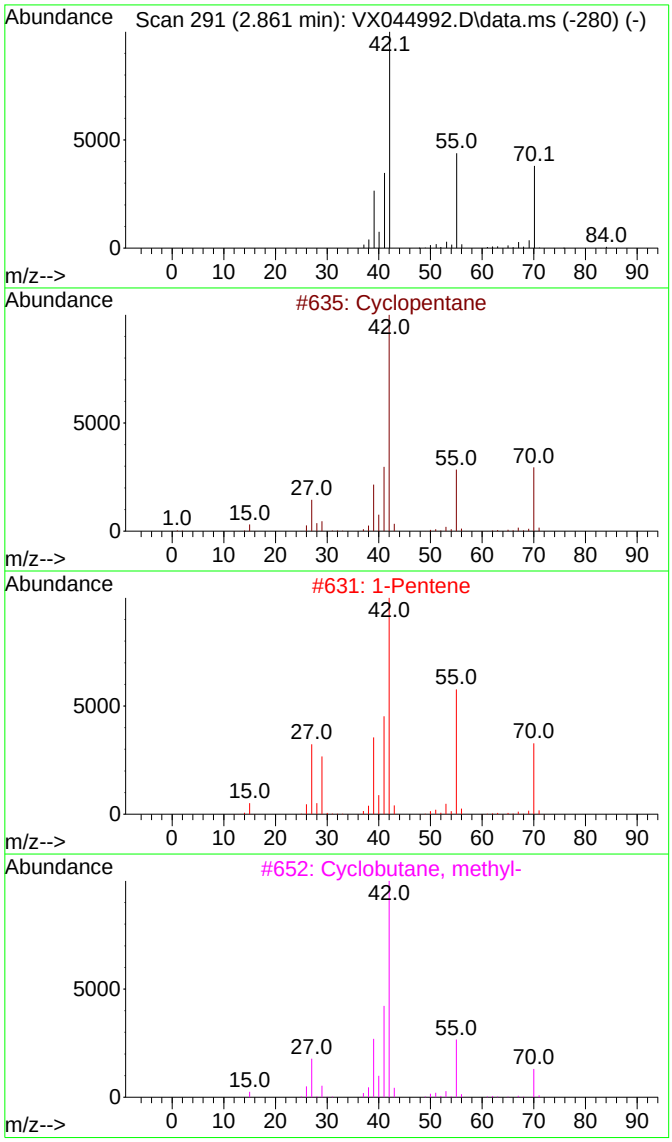
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

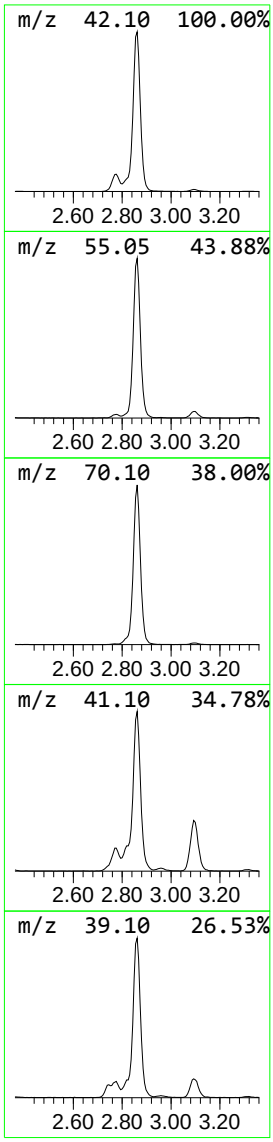
****

Peak Number 7 Cyclopentane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.861	398.10 ug/l	2262900	Pentafluorobenzene	5.544

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	86
2	1-Pentene	70	C5H10	000109-67-1	72
3	Cyclobutane, methyl-	70	C5H10	000598-61-8	59
4	Cyclopropane, ethyl-	70	C5H10	001191-96-4	9
5	3-Buten-1-ol	72	C4H8O	000627-27-0	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044992.D
Acq On : 18 Feb 2025 16:54
Operator : JC/MD
Sample : Q1376-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW32

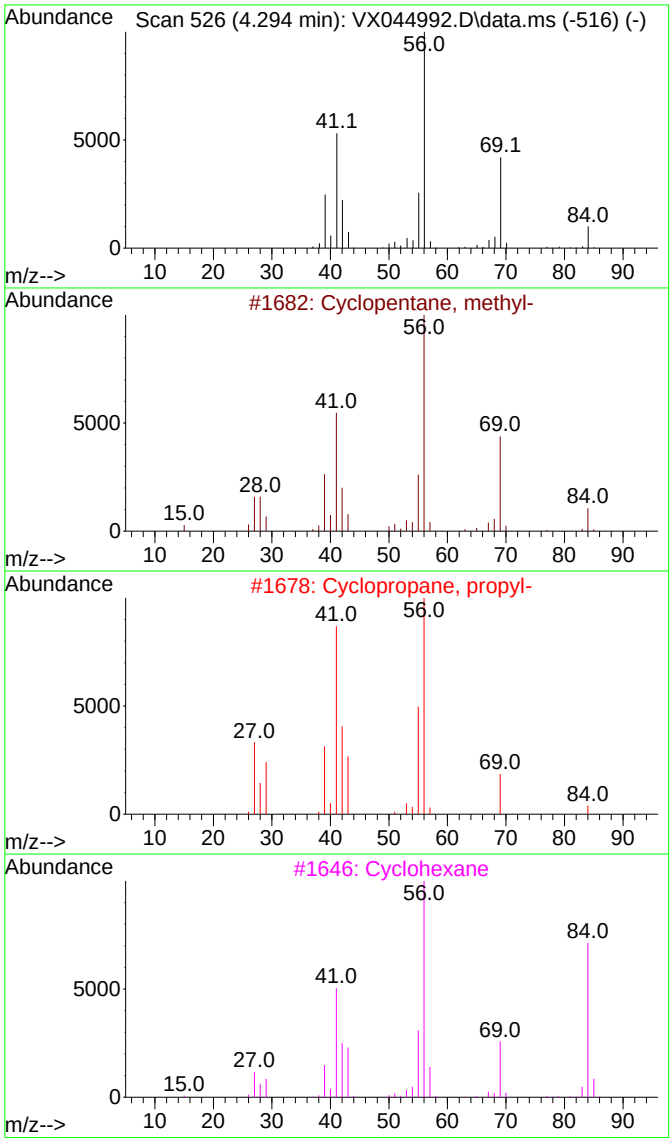
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

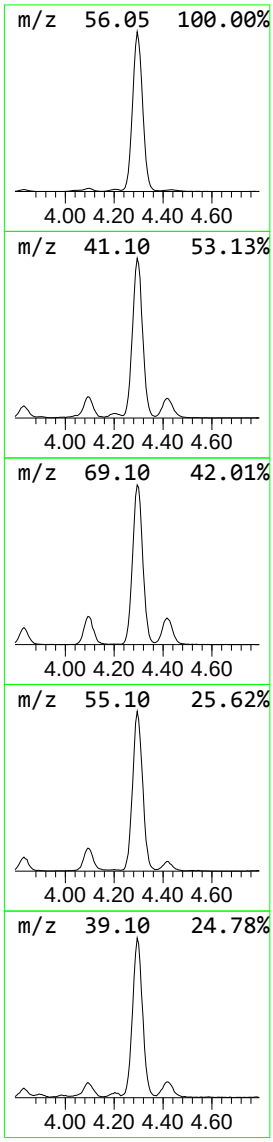
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Cyclopentane, methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.294	307.38 ug/l	1747270	Pentafluorobenzene	5.544

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2	Cyclopropane, propyl-	84	C6H12	002415-72-7	78
3	Cyclohexane	84	C6H12	000110-82-7	78
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
5	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044992.D
Acq On : 18 Feb 2025 16:54
Operator : JC/MD
Sample : Q1376-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW32

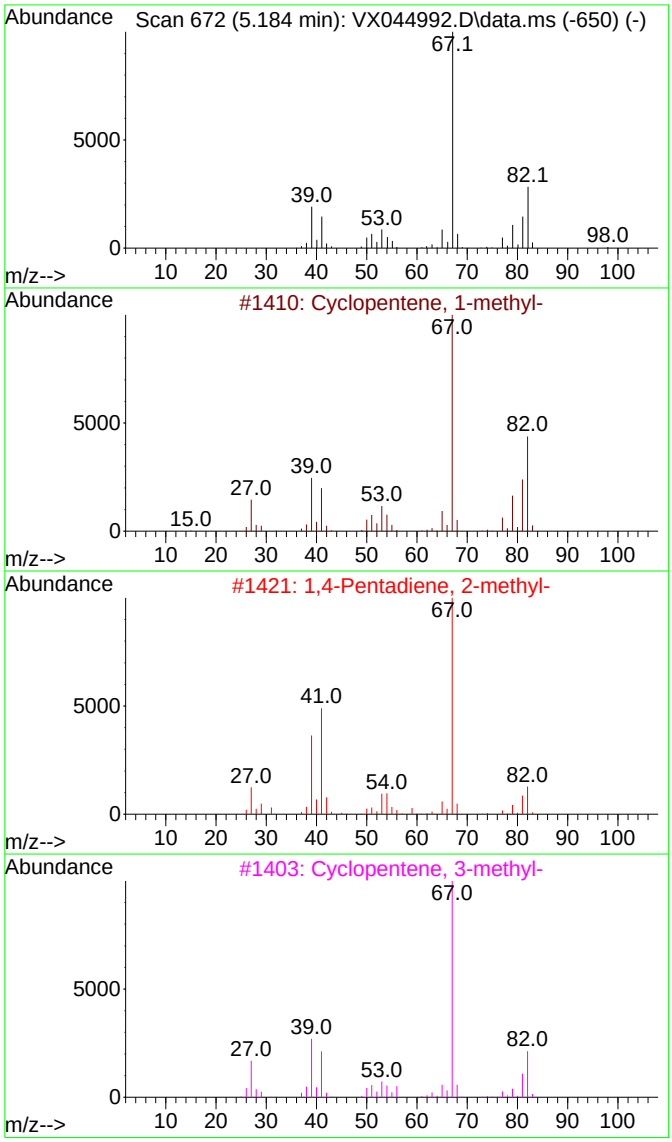
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

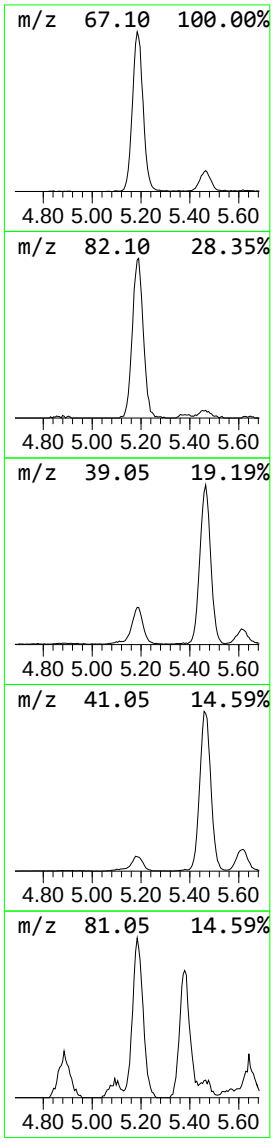
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Cyclopentene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.184	62.57 ug/l	355639	Pentafluorobenzene	5.544

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	93
2	1,4-Pentadiene, 2-methyl-	82	C6H10	000763-30-4	90
3	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	86
4	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	83
5	Cyclopentane, methylene-	82	C6H10	001528-30-9	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044992.D
Acq On : 18 Feb 2025 16:54
Operator : JC/MD
Sample : Q1376-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW32

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

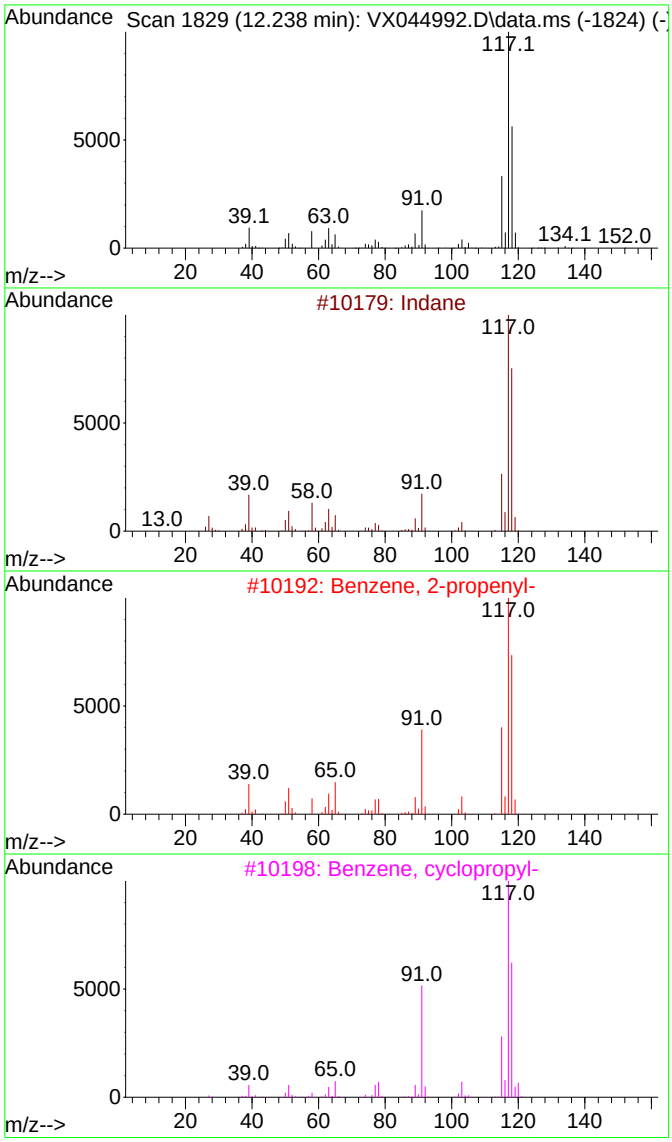
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

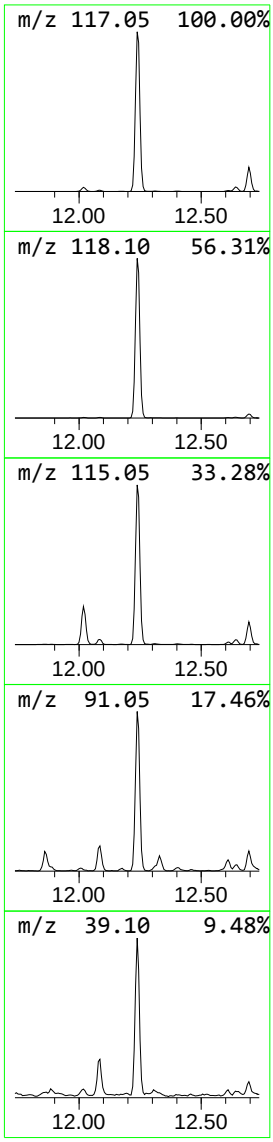
****

Peak Number 10 Indane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.238	187.44 ug/l	1975100	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	74
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	64
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044992.D
Acq On : 18 Feb 2025 16:54
Operator : JC/MD
Sample : Q1376-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW32

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Isobutane	1.264	154.6	ug/l	878958	1	5.544	284215	50.0
Butane	1.368	511.5	ug/l	2907700	1	5.544	284215	50.0
Butane, 2-methyl-	1.733	605.9	ug/l	3444070	1	5.544	284215	50.0
Pentane	1.947	72.5	ug/l	412260	1	5.544	284215	50.0
Cyclopropane, 1...	2.209	153.6	ug/l	872899	1	5.544	284215	50.0
Butane, 2,3-dim...	2.776	69.5	ug/l	394804	1	5.544	284215	50.0
Cyclopentane	2.861	398.1	ug/l	2262900	1	5.544	284215	50.0
Cyclopentane, m...	4.294	307.4	ug/l	1747270	1	5.544	284215	50.0
Cyclopentene, 1...	5.184	62.6	ug/l	355639	1	5.544	284215	50.0
Indane	12.238	187.4	ug/l	1975100	4	12.018	526852	50.0

Raw Data: **VX045004.D**

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

Report of Analysis

Client:	GFE LLC	Date Collected:	02/17/25
Project:	1267 Forest Ave Staten Island NY	Date Received:	02/17/25
Client Sample ID:	MW32DL	SDG No.:	Q1376
Lab Sample ID:	Q1376-01DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045004.D	10		02/19/25 14:04	VX021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	2.10	UD	2.10	10.0	ug/L
74-87-3	Chloromethane	3.50	UD	3.50	10.0	ug/L
75-01-4	Vinyl Chloride	3.40	UD	3.40	10.0	ug/L
74-83-9	Bromomethane	13.6	UD	13.6	50.0	ug/L
75-00-3	Chloroethane	5.60	UDQ	5.60	10.0	ug/L
75-69-4	Trichlorofluoromethane	3.40	UD	3.40	10.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	UD	2.50	10.0	ug/L
75-35-4	1,1-Dichloroethene	2.60	UD	2.60	10.0	ug/L
67-64-1	Acetone	17.8	JD	13.9	50.0	ug/L
75-15-0	Carbon Disulfide	3.20	UD	3.20	10.0	ug/L
1634-04-4	Methyl tert-butyl Ether	1.60	UD	1.60	10.0	ug/L
79-20-9	Methyl Acetate	6.00	UD	6.00	10.0	ug/L
75-09-2	Methylene Chloride	3.20	UD	3.20	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	2.50	UD	2.50	10.0	ug/L
75-34-3	1,1-Dichloroethane	2.30	UD	2.30	10.0	ug/L
110-82-7	Cyclohexane	140	D	16.2	50.0	ug/L
78-93-3	2-Butanone	13.0	UD	13.0	50.0	ug/L
56-23-5	Carbon Tetrachloride	2.50	UD	2.50	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	2.50	UD	2.50	10.0	ug/L
74-97-5	Bromochloromethane	1.80	UD	1.80	10.0	ug/L
67-66-3	Chloroform	2.60	UD	2.60	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	1.90	UD	1.90	10.0	ug/L
108-87-2	Methylcyclohexane	33.9	D	1.90	10.0	ug/L
71-43-2	Benzene	260	D	1.60	10.0	ug/L
107-06-2	1,2-Dichloroethane	2.40	UD	2.40	10.0	ug/L
79-01-6	Trichloroethene	3.20	UD	3.20	10.0	ug/L
78-87-5	1,2-Dichloropropane	1.90	UD	1.90	10.0	ug/L
75-27-4	Bromodichloromethane	2.40	UD	2.40	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	7.50	UD	7.50	50.0	ug/L
108-88-3	Toluene	28.2	D	1.80	10.0	ug/L

Raw Data: **VX045004.D**

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

Report of Analysis

Client:	GFE LLC	Date Collected:	02/17/25
Project:	1267 Forest Ave Staten Island NY	Date Received:	02/17/25
Client Sample ID:	MW32DL	SDG No.:	Q1376
Lab Sample ID:	Q1376-01DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045004.D	10		02/19/25 14:04	VX021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	2.10	UD	2.10	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.80	UD	1.80	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	2.10	UD	2.10	10.0	ug/L
591-78-6	2-Hexanone	11.3	UD	11.3	50.0	ug/L
124-48-1	Dibromochloromethane	1.80	UD	1.80	10.0	ug/L
106-93-4	1,2-Dibromoethane	1.60	UD	1.60	10.0	ug/L
127-18-4	Tetrachloroethene	2.50	UD	2.50	10.0	ug/L
108-90-7	Chlorobenzene	1.30	UD	1.30	10.0	ug/L
100-41-4	Ethyl Benzene	3.30	JD	1.60	10.0	ug/L
179601-23-1	m/p-Xylenes	28.7	D	3.10	20.0	ug/L
95-47-6	o-Xylene	3.40	JD	1.40	10.0	ug/L
100-42-5	Styrene	1.60	UD	1.60	10.0	ug/L
75-25-2	Bromoform	2.10	UD	2.10	10.0	ug/L
98-82-8	Isopropylbenzene	22.9	D	1.30	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.70	UD	2.70	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	2.40	UD	2.40	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	2.70	UD	2.70	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	1.90	UD	1.90	10.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	4.60	UD	4.60	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	4.20	UD	4.20	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	5.10	UD	5.10	10.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.6		74 - 125	111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	49.8		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.3		77 - 121	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	87500	5.544			
540-36-3	1,4-Difluorobenzene	178000	6.757			
3114-55-4	Chlorobenzene-d5	162000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	74000	12.018			

Raw Data: **VX045004.D**

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

Report of Analysis

Client:	GFE LLC	Date Collected:	02/17/25
Project:	1267 Forest Ave Staten Island NY	Date Received:	02/17/25
Client Sample ID:	MW32DL	SDG No.:	Q1376
Lab Sample ID:	Q1376-01DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045004.D	10		02/19/25 14:04	VX021925

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_X\Data\VX021925\
Data File : VX045004.D
Acq On : 19 Feb 2025 14:04
Operator : JC/MD
Sample : Q1376-01DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW32DL

Quant Time: Feb 20 02:38:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

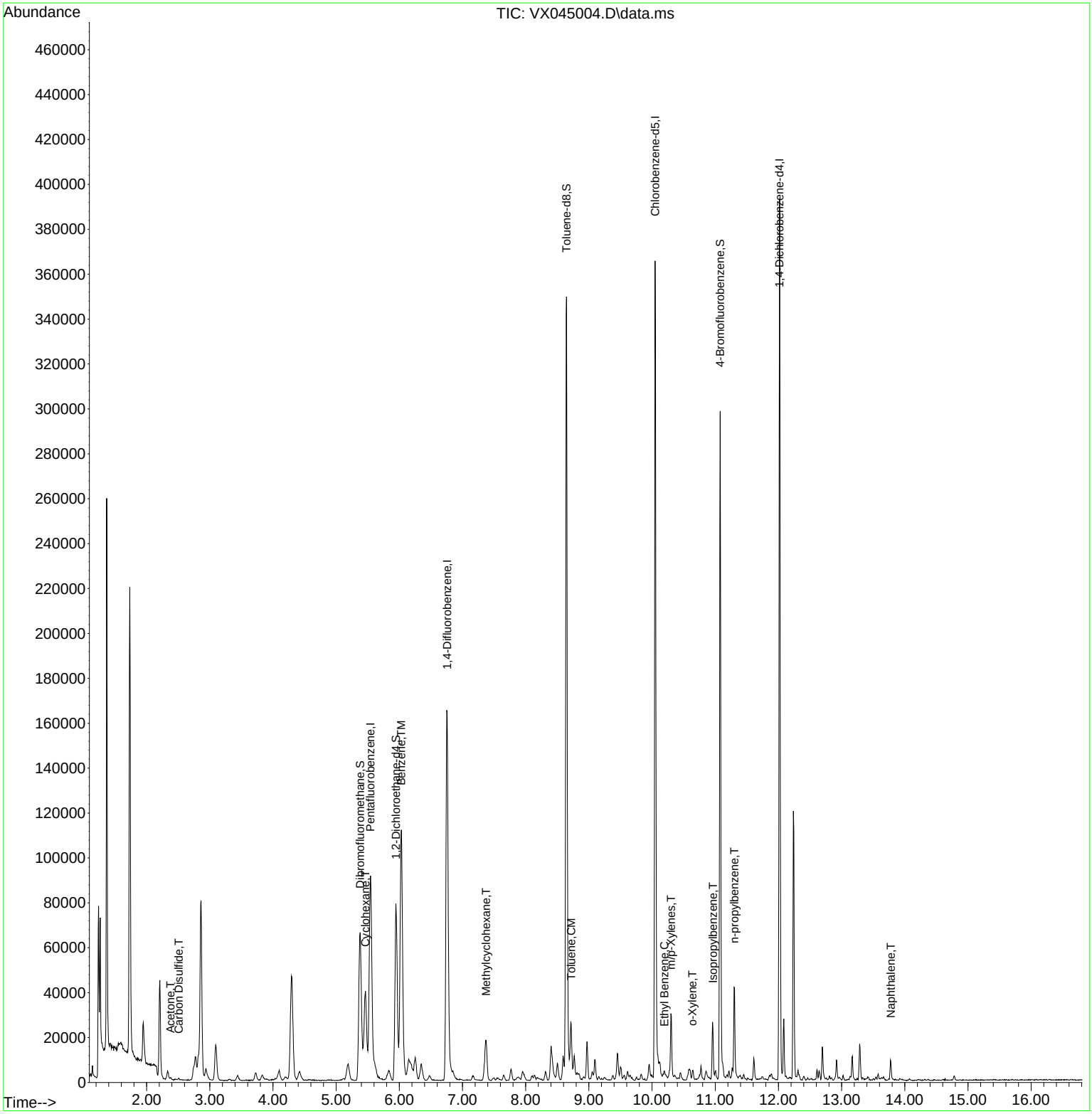
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	87497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	177846	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	162028	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	73971	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	71256	55.634	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.260%			
35) Dibromofluoromethane	5.379	113	59094	51.106	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.220%			
50) Toluene-d8	8.647	98	217606	49.768	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.540%			
62) 4-Bromofluorobenzene	11.079	95	78542	53.284	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.560%			
Target Compounds						Qvalue
16) Acetone	2.380	43	914	1.775	ug/l #	79
17) Carbon Disulfide	2.508	76	823	0.266	ug/l #	87
31) Cyclohexane	5.464	56	27184	13.667	ug/l	98
39) Methylcyclohexane	7.373	83	7301	3.385	ug/l	88
40) Benzene	6.031	78	136868	26.274	ug/l	99
52) Toluene	8.720	92	8739	2.817	ug/l	97
67) Ethyl Benzene	10.195	91	2050	0.334	ug/l #	85
68) m/p-Xylenes	10.299	106	6509	2.873	ug/l	99
69) o-Xylene	10.640	106	765	0.337	ug/l	84
73) Isopropylbenzene	10.963	105	13633	2.289	ug/l	99
78) n-propylbenzene	11.305	91	27520	4.003	ug/l	98
95) Naphthalene	13.780	128	6107	1.144	ug/l	96

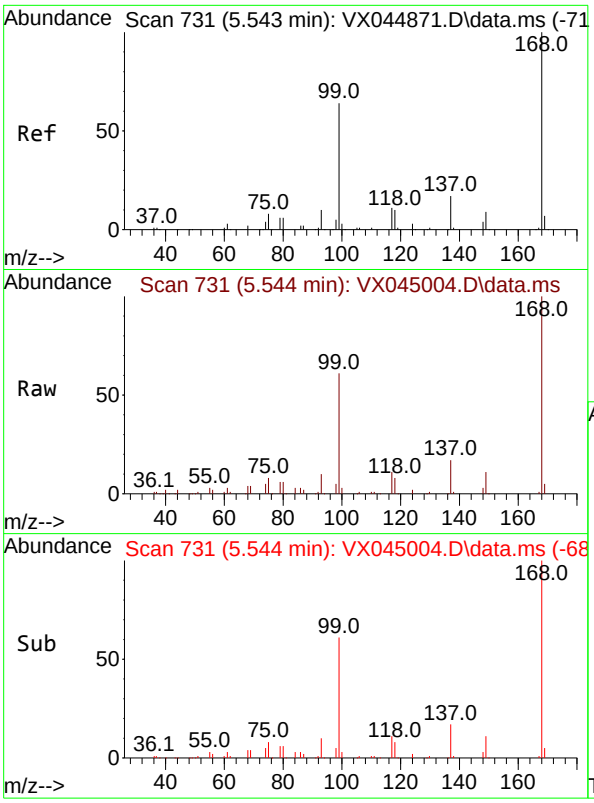
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021925\
Data File : VX045004.D
Acq On : 19 Feb 2025 14:04
Operator : JC/MD
Sample : Q1376-01DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW32DL

Quant Time: Feb 20 02:38:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration



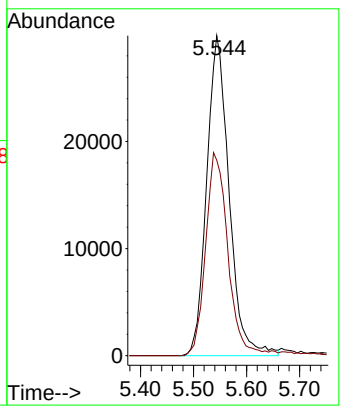


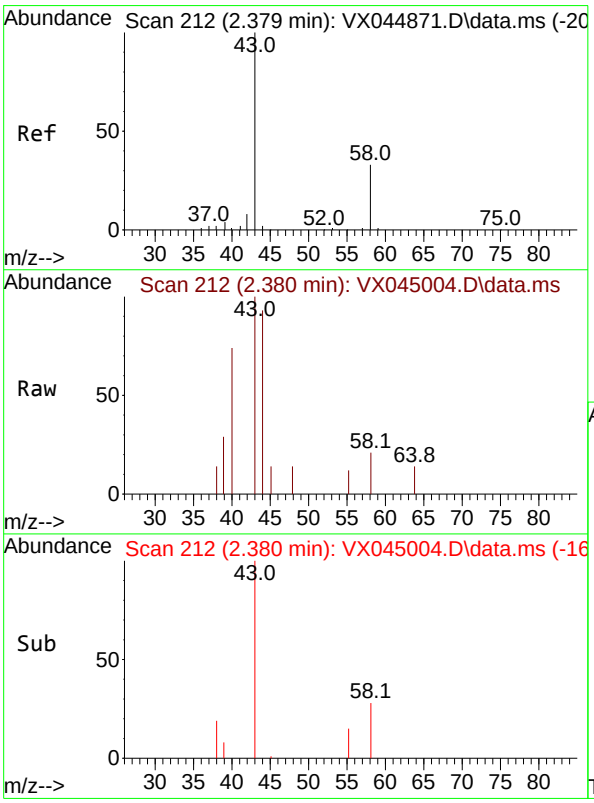
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX045004.D
Acq: 19 Feb 2025 14:04

Instrument :
MSVOA_X
ClientSampleId :
MW32DL

Tgt Ion:168 Resp: 87497

Ion	Ratio	Lower	Upper
168	100		
99	61.1	51.2	76.8

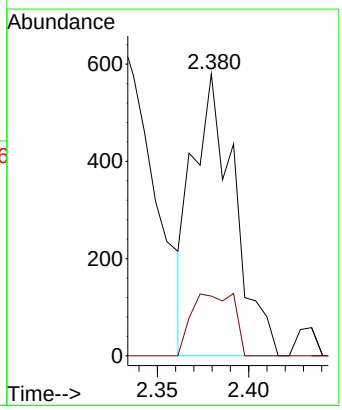


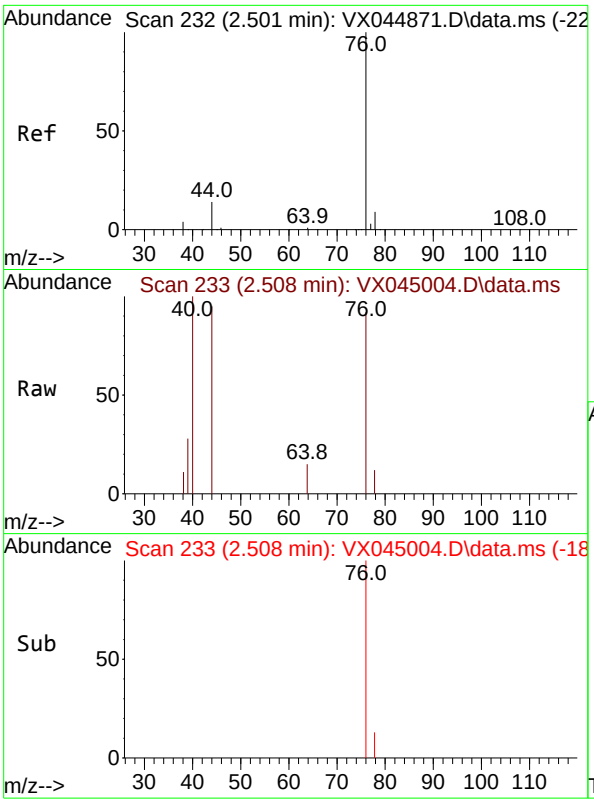


#16
Acetone
Concen: 1.775 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX045004.D
Acq: 19 Feb 2025 14:04

Tgt Ion: 43 Resp: 914

Ion	Ratio	Lower	Upper
43	100		
58	21.2	26.5	39.7#



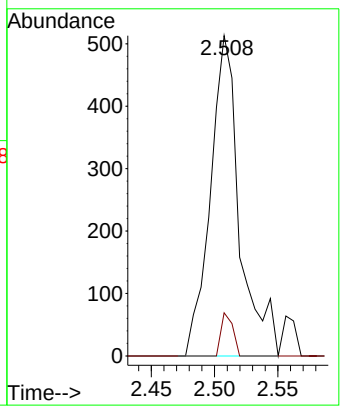


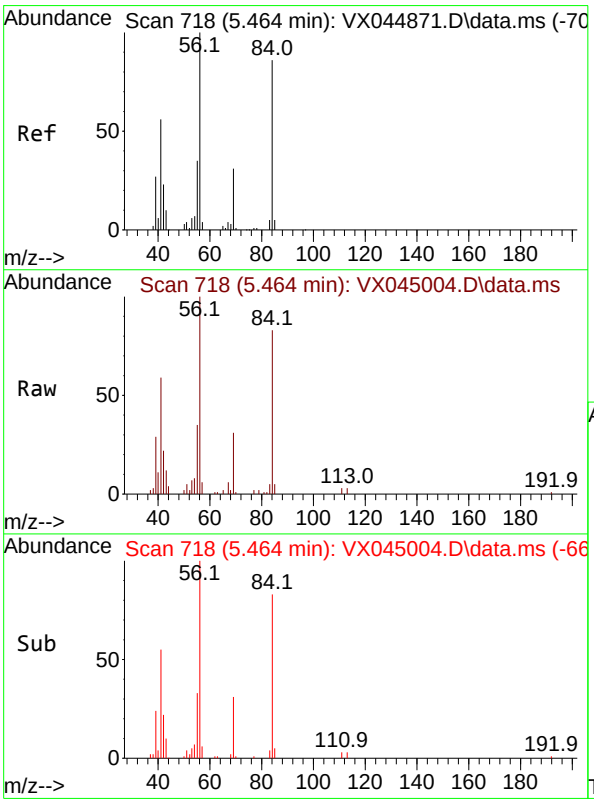
#17
Carbon Disulfide
Concen: 0.266 ug/l
RT: 2.508 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045004.D
Acq: 19 Feb 2025 14:04

Instrument :
MSVOA_X
ClientSampleId :
MW32DL

Tgt Ion: 76 Resp: 823

Ion	Ratio	Lower	Upper
76	100		
78	13.5	7.0	10.4#

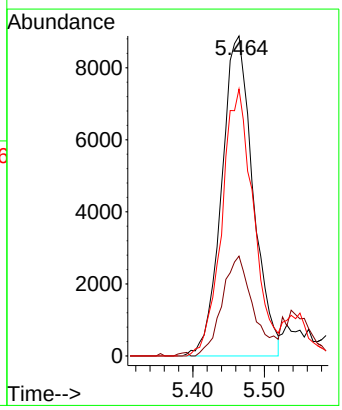


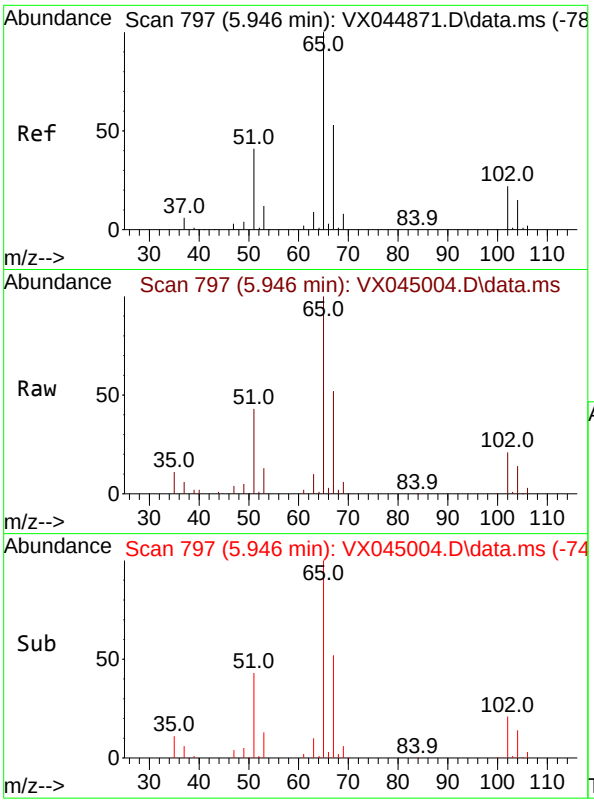


#31
Cyclohexane
Concen: 13.667 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX045004.D
Acq: 19 Feb 2025 14:04

Tgt Ion: 56 Resp: 27184

Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.4	36.6
84	83.4	69.0	103.6



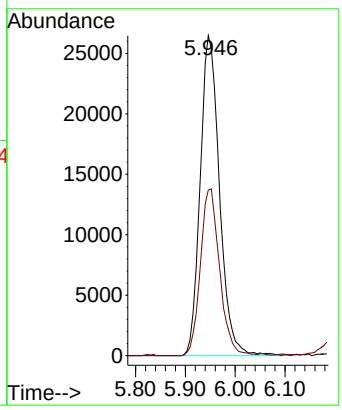


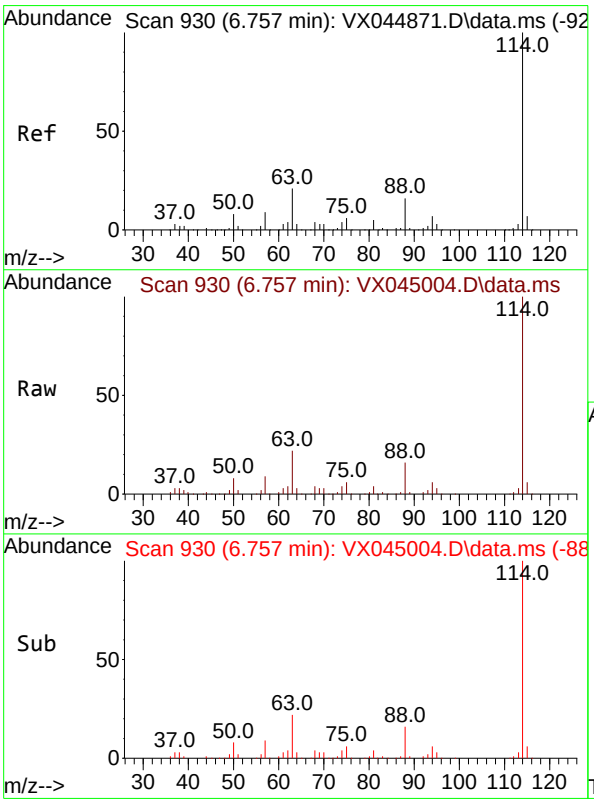
#33
1,2-Dichloroethane-d4
Concen: 55.634 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045004.D
Acq: 19 Feb 2025 14:04

Instrument :
MSVOA_X
ClientSampleId :
MW32DL

Tgt Ion: 65 Resp: 71256

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	108.2

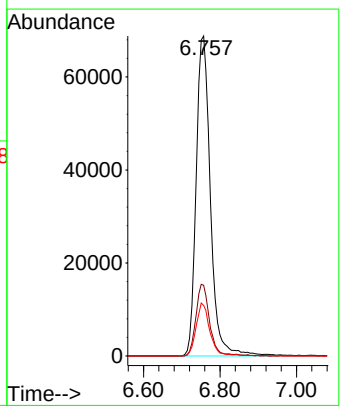


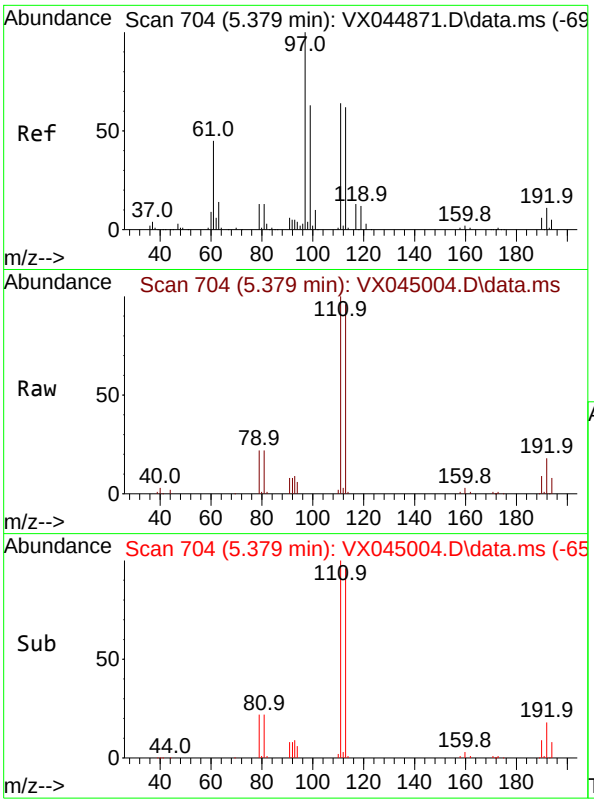


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045004.D
Acq: 19 Feb 2025 14:04

Tgt Ion:114 Resp: 177846

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	42.4
88	15.8	0.0	31.4



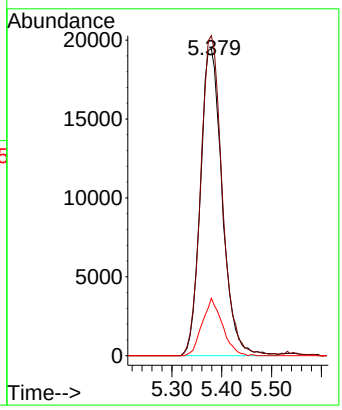


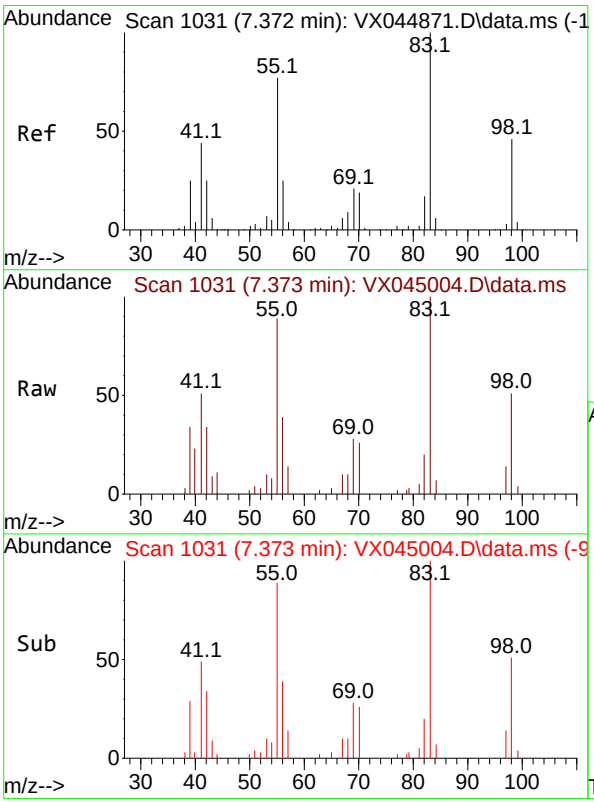
#35
Dibromofluoromethane
Concen: 51.106 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045004.D
Acq: 19 Feb 2025 14:04

Instrument :
MSVOA_X
ClientSampleId :
MW32DL

Tgt Ion:113 Resp: 59094

Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.5	125.3
192	17.3	14.4	21.6

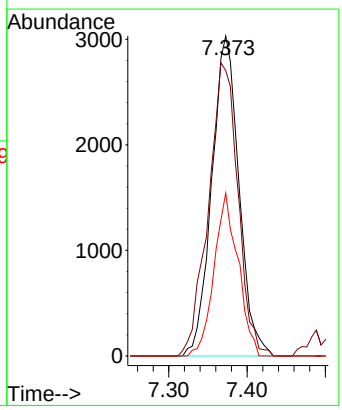


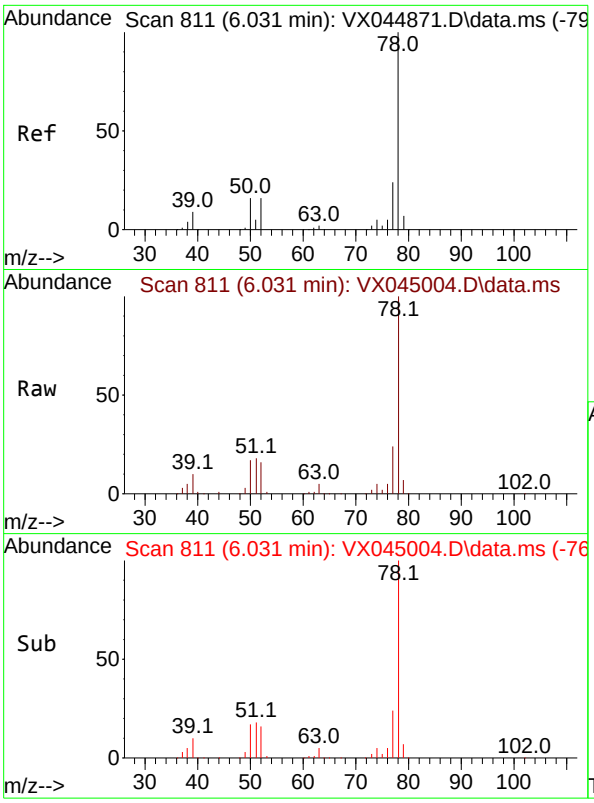


#39
Methylcyclohexane
Concen: 3.385 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VX045004.D
Acq: 19 Feb 2025 14:04

Tgt Ion: 83 Resp: 7301

Ion	Ratio	Lower	Upper
83	100		
55	89.2	61.3	91.9
98	50.9	37.0	55.6



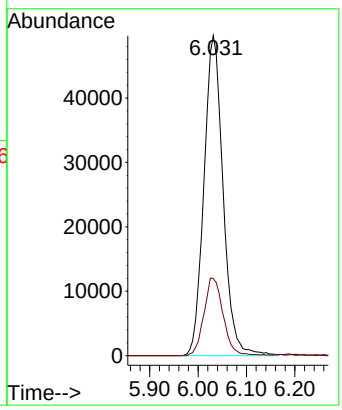


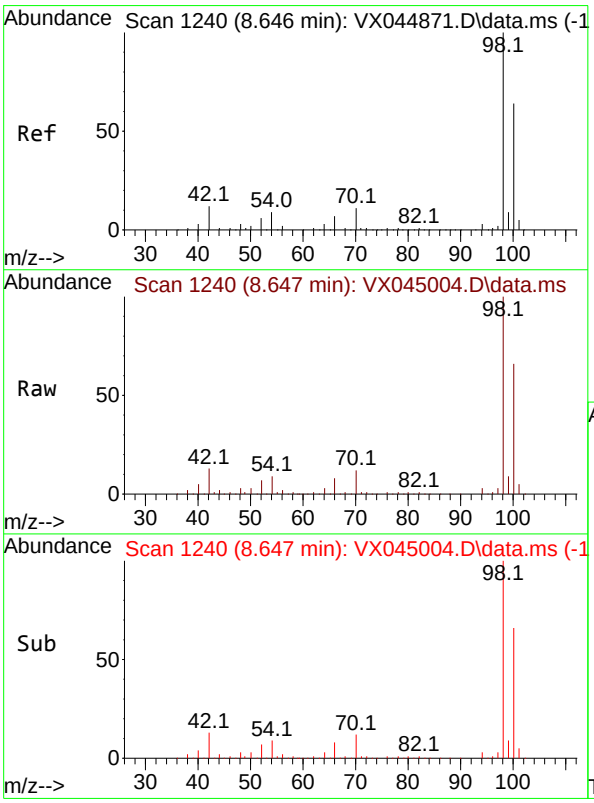
#40
Benzene
Concen: 26.274 ug/l
RT: 6.031 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045004.D
Acq: 19 Feb 2025 14:04

Instrument :
MSVOA_X
ClientSampleId :
MW32DL

Tgt Ion: 78 Resp: 136868

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.6

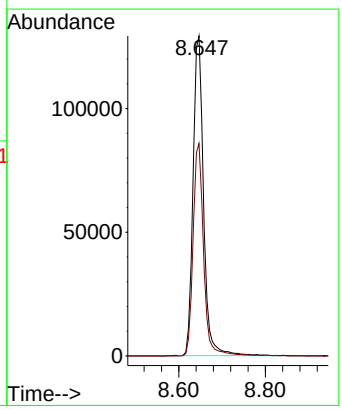


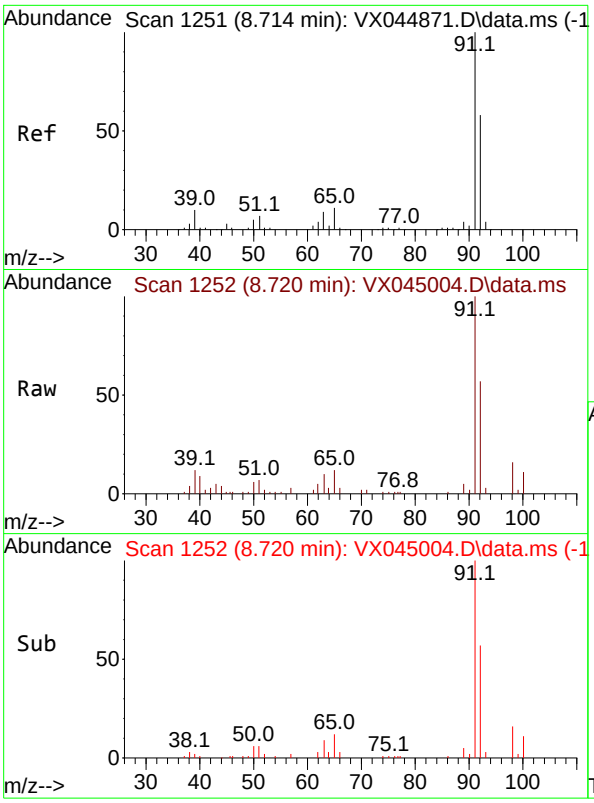


#50
Toluene-d8
Concen: 49.768 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045004.D
Acq: 19 Feb 2025 14:04

Tgt Ion: 98 Resp: 217606

Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.7	79.1



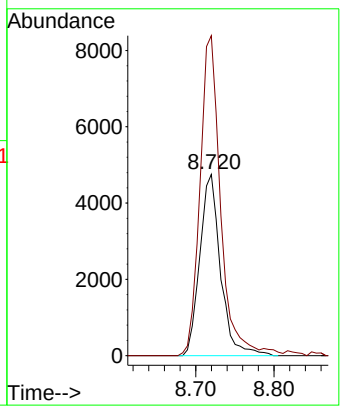


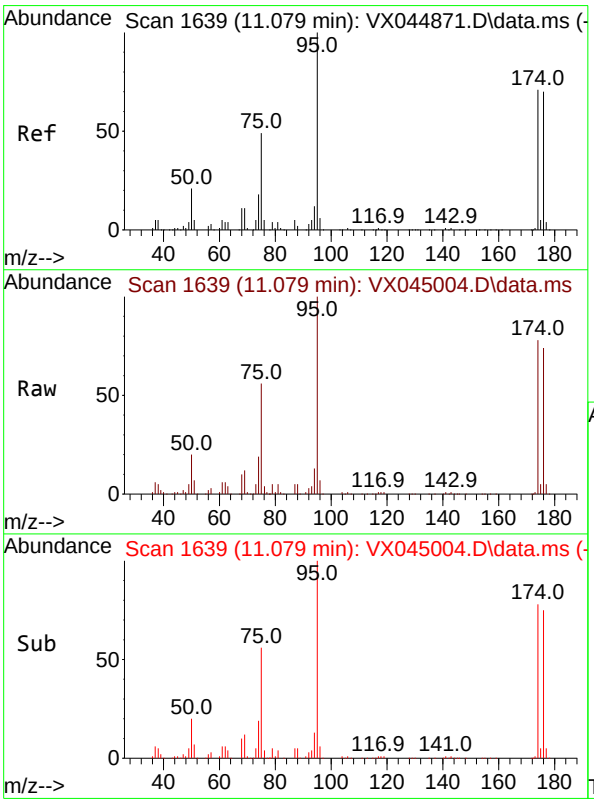
#52
Toluene
Concen: 2.817 ug/l
RT: 8.720 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045004.D
Acq: 19 Feb 2025 14:04

Instrument :
MSVOA_X
ClientSampleId :
MW32DL

Tgt Ion: 92 Resp: 8739

Ion	Ratio	Lower	Upper
92	100		
91	175.8	137.4	206.2

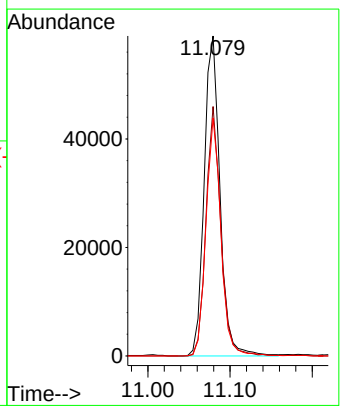


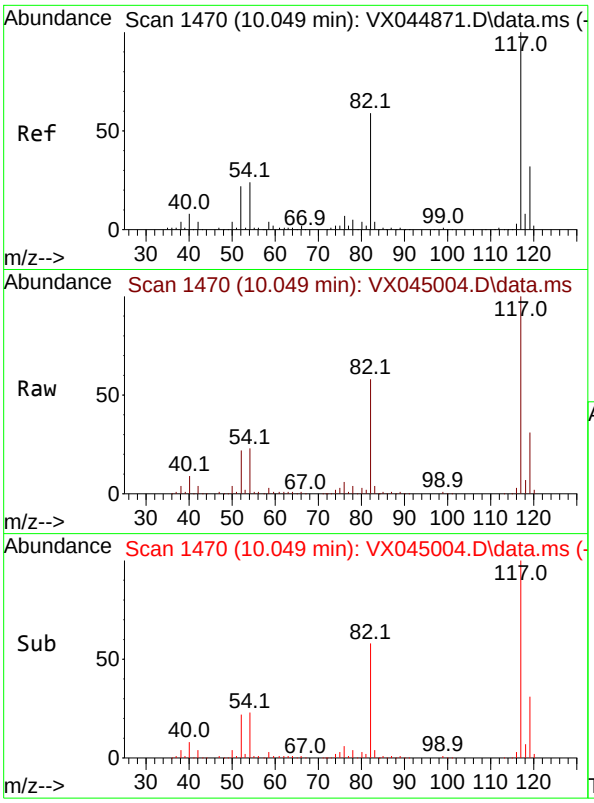


#62
4-Bromofluorobenzene
Concen: 53.284 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045004.D
Acq: 19 Feb 2025 14:04

Tgt Ion: 95 Resp: 78542

Ion	Ratio	Lower	Upper
95	100		
174	73.7	0.0	142.6
176	70.7	0.0	141.6



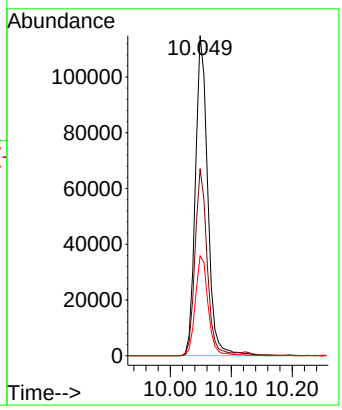


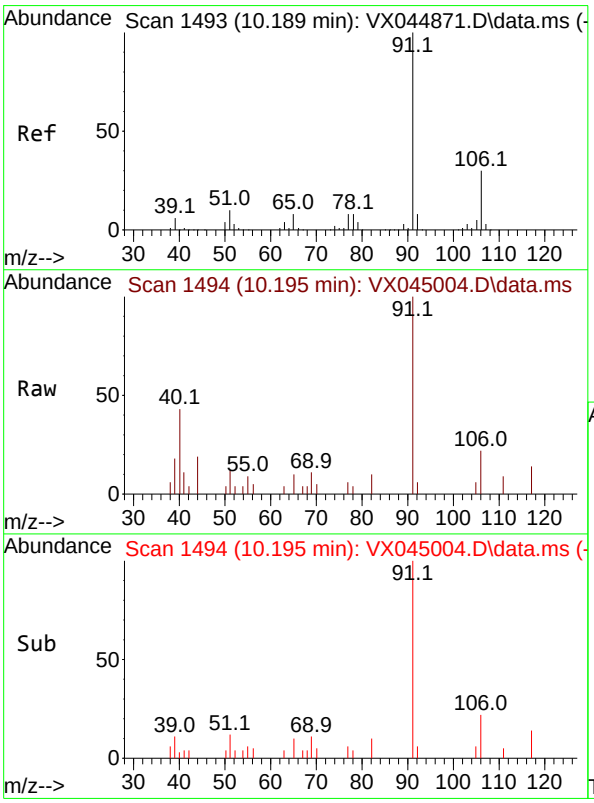
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045004.D
Acq: 19 Feb 2025 14:04

Instrument :
MSVOA_X
ClientSampleId :
MW32DL

Tgt Ion:117 Resp: 162028

Ion	Ratio	Lower	Upper
117	100		
82	58.5	47.5	71.3
119	31.2	25.4	38.0

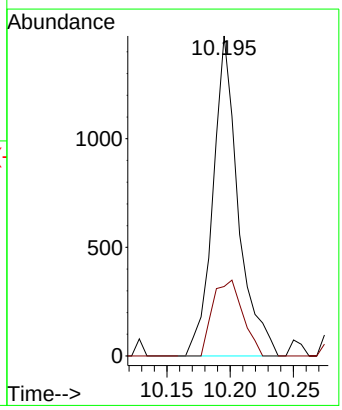


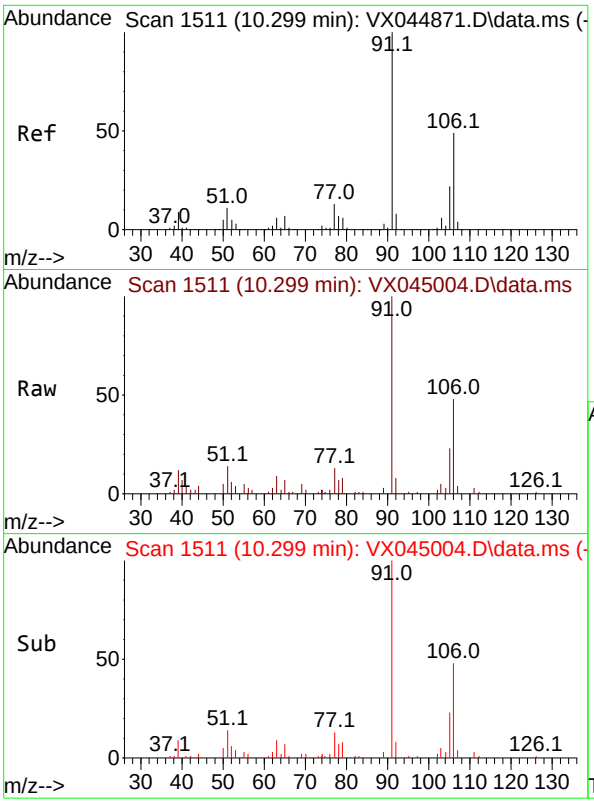


#67
Ethyl Benzene
Concen: 0.334 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX045004.D
Acq: 19 Feb 2025 14:04

Tgt Ion: 91 Resp: 2050

Ion	Ratio	Lower	Upper
91	100		
106	21.7	23.9	35.9#



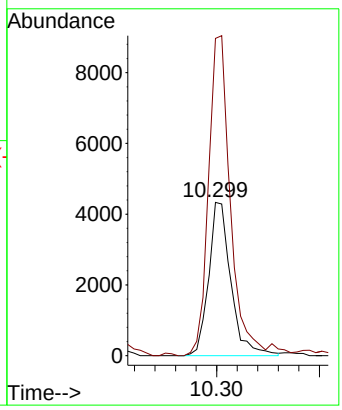


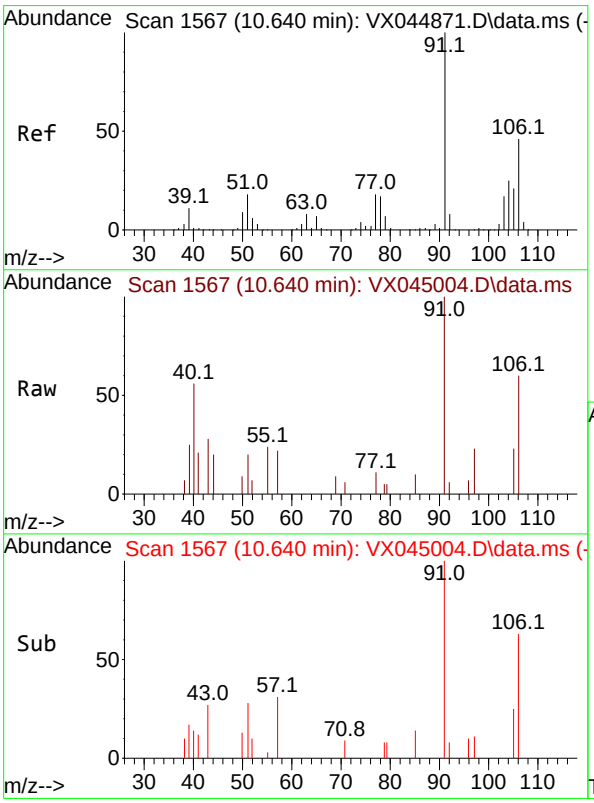
#68
m/p-Xylenes
Concen: 2.873 ug/l
RT: 10.299 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045004.D
Acq: 19 Feb 2025 14:04

Instrument :
MSVOA_X
ClientSampleId :
MW32DL

Tgt Ion:106 Resp: 6509

Ion	Ratio	Lower	Upper
106	100		
91	203.7	164.3	246.5

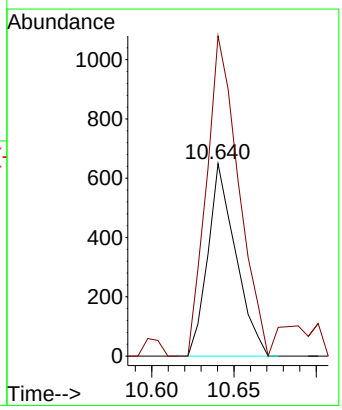


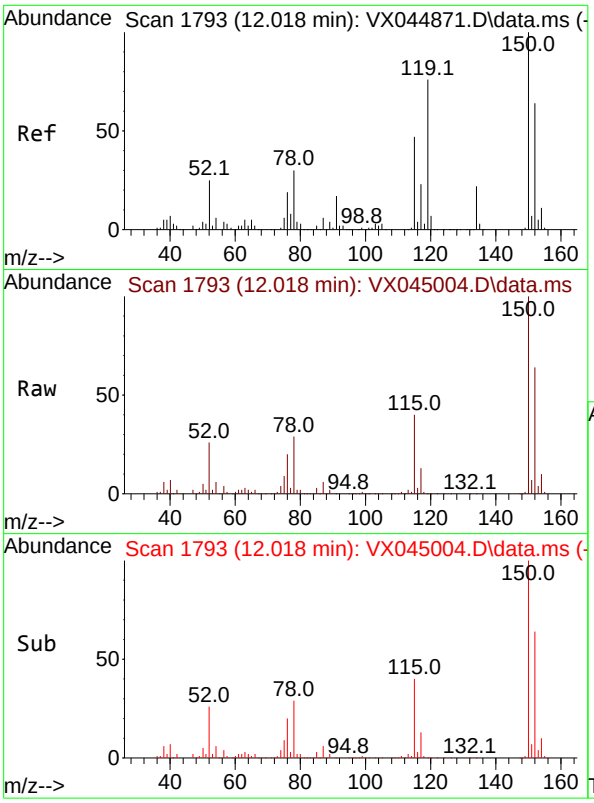


#69
o-Xylene
Concen: 0.337 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX045004.D
Acq: 19 Feb 2025 14:04

Tgt Ion:106 Resp: 765

Ion	Ratio	Lower	Upper
106	100		
91	191.4	108.5	325.5



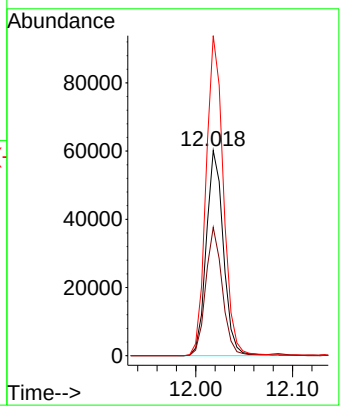


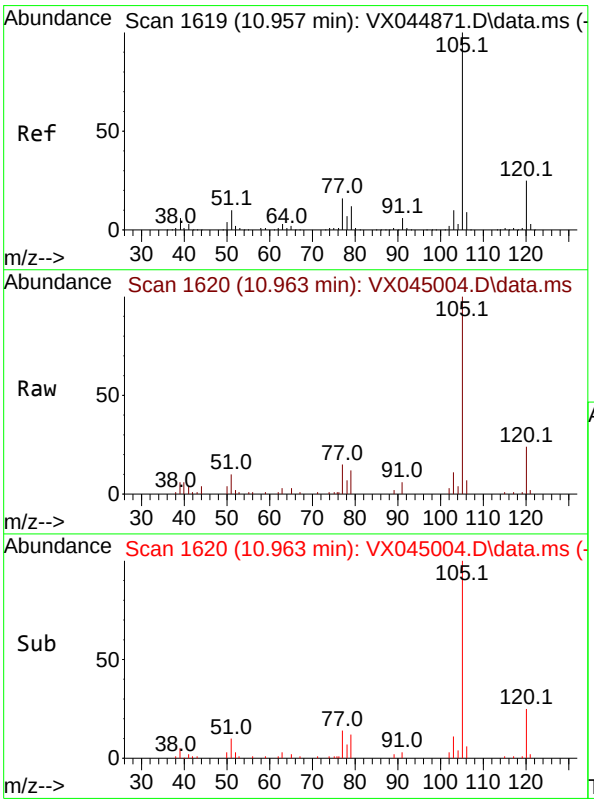
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045004.D
Acq: 19 Feb 2025 14:04

Instrument :
MSVOA_X
ClientSampleId :
MW32DL

Tgt Ion:152 Resp: 73971

Ion	Ratio	Lower	Upper
152	100		
115	60.8	43.4	130.1
150	157.6	0.0	350.4

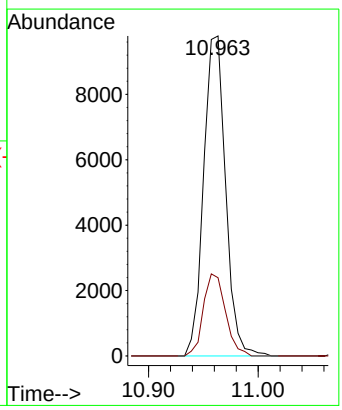


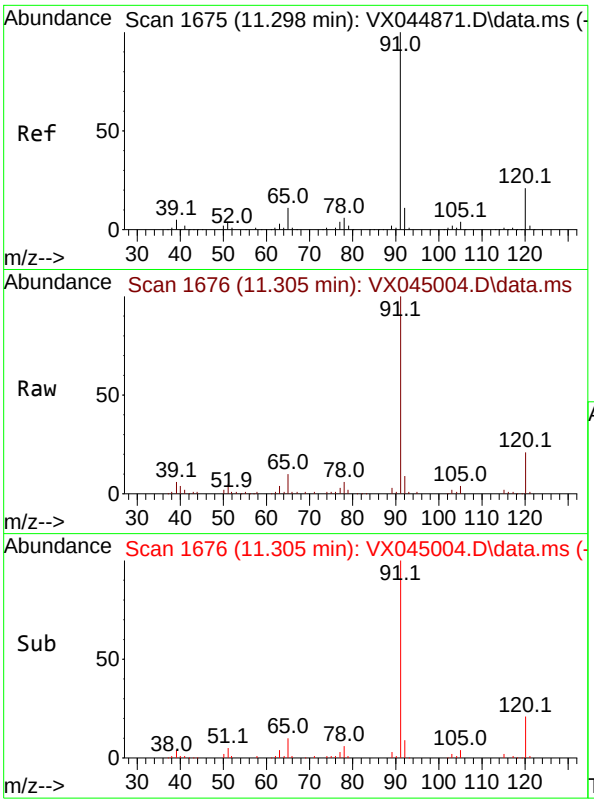


#73
Isopropylbenzene
Concen: 2.289 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX045004.D
Acq: 19 Feb 2025 14:04

Tgt Ion:105 Resp: 13633

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.2	39.5



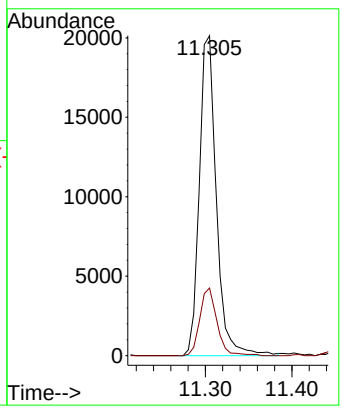


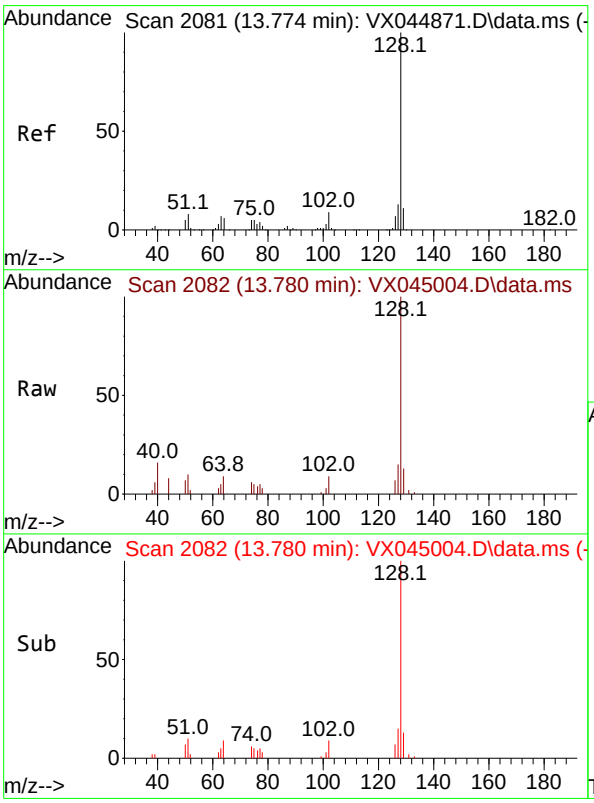
#78
n-propylbenzene
Concen: 4.003 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045004.D
Acq: 19 Feb 2025 14:04

Instrument :
MSVOA_X
ClientSampleId :
MW32DL

Tgt Ion: 91 Resp: 27520

Ion	Ratio	Lower	Upper
91	100		
120	21.3	11.1	33.3

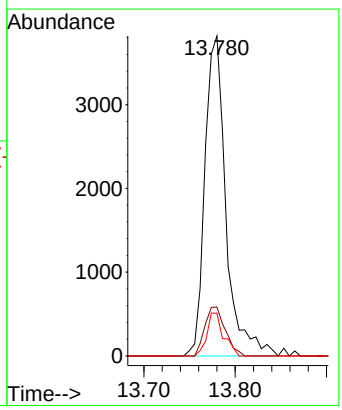




#95
Naphthalene
Concen: 1.144 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX045004.D
Acq: 19 Feb 2025 14:04

Tgt Ion:128 Resp: 6107

Ion	Ratio	Lower	Upper
128	100		
127	14.8	10.1	15.1
129	10.6	8.9	13.3



Raw Data: **VX044993.D**

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

Report of Analysis

Client:	GFE LLC	Date Collected:	02/17/25
Project:	1267 Forest Ave Staten Island NY	Date Received:	02/17/25
Client Sample ID:	MW33	SDG No.:	Q1376
Lab Sample ID:	Q1376-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044993.D	1		02/18/25 17:17	VX021825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	UQ	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	UQ	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	4.20	J	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	3.50	J	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.28	J	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	1.00	JQ	0.75	5.00	ug/L
108-88-3	Toluene	0.61	J	0.18	1.00	ug/L

Raw Data: **VX044993.D**

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

Report of Analysis

Client:	GFE LLC	Date Collected:	02/17/25
Project:	1267 Forest Ave Staten Island NY	Date Received:	02/17/25
Client Sample ID:	MW33	SDG No.:	Q1376
Lab Sample ID:	Q1376-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044993.D	1		02/18/25 17:17	VX021825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	UQ	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.66	J	0.31	2.00	ug/L
95-47-6	o-Xylene	0.33	J	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	UQ	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.9		74 - 125	110%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	51.4		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		77 - 121	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	81100	5.544			
540-36-3	1,4-Difluorobenzene	162000	6.757			
3114-55-4	Chlorobenzene-d5	147000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	59700	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VX044993.D**

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

Report of Analysis

Client:	GFE LLC	Date Collected:	02/17/25
Project:	1267 Forest Ave Staten Island NY	Date Received:	02/17/25
Client Sample ID:	MW33	SDG No.:	Q1376
Lab Sample ID:	Q1376-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044993.D	1		02/18/25 17:17	VX021825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	10.7	J		1.24	ug/L

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044993.D
Acq On : 18 Feb 2025 17:17
Operator : JC/MD
Sample : Q1376-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW33

Quant Time: Feb 19 06:16:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

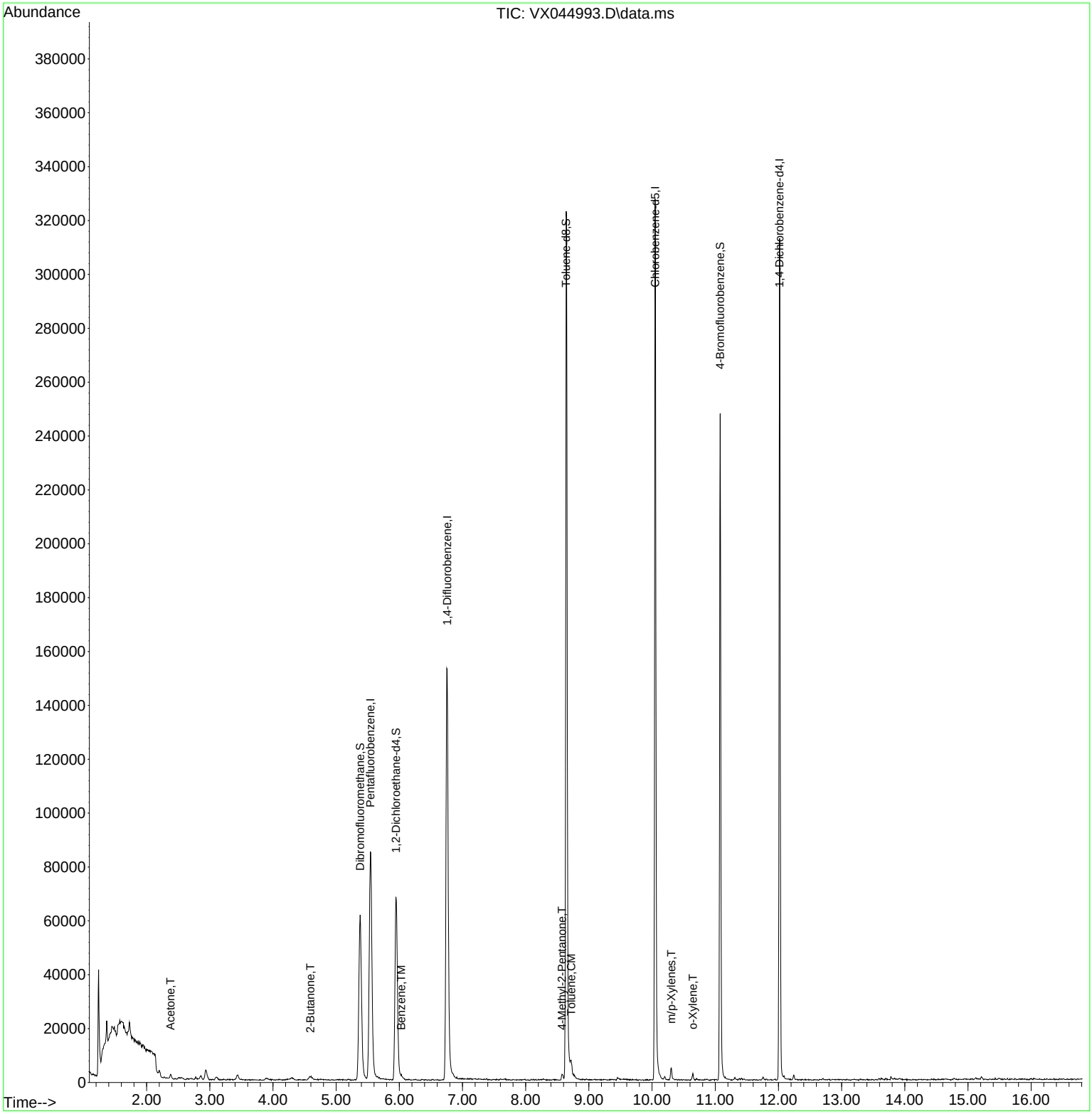
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	81057	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	162106	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	147456	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59734	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	65113	54.877	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.760%			
35) Dibromofluoromethane	5.379	113	54297	51.517	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.040%			
50) Toluene-d8	8.641	98	204953	51.425	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.860%			
62) 4-Bromofluorobenzene	11.079	95	68212	50.769	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.540%			
Target Compounds						Qvalue
16) Acetone	2.380	43	2010	4.214	ug/l	96
25) 2-Butanone	4.593	43	2703	3.490	ug/l #	86
40) Benzene	6.031	78	1330	0.280	ug/l #	83
51) 4-Methyl-2-Pentanone	8.574	43	1713	1.032	ug/l	89
52) Toluene	8.720	92	1731	0.612	ug/l	95
68) m/p-Xylenes	10.305	106	1350	0.655	ug/l	97
69) o-Xylene	10.646	106	685	0.331	ug/l	73

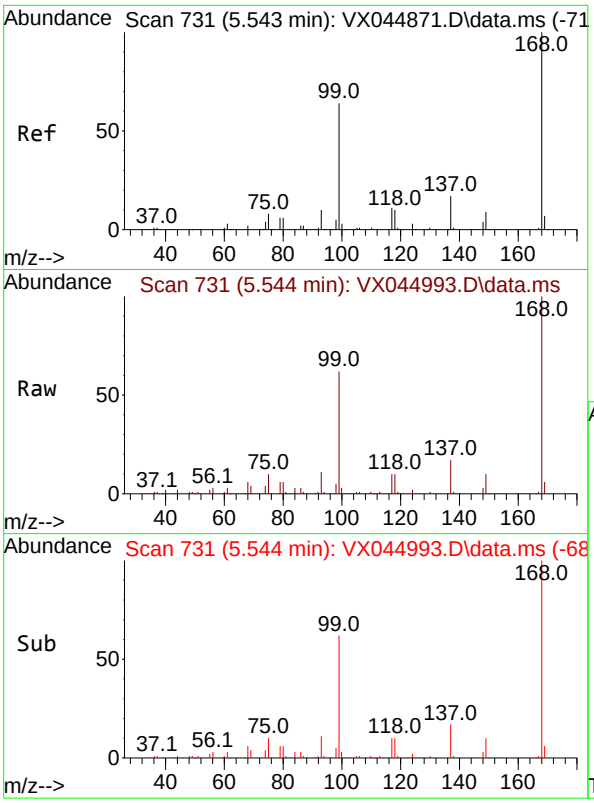
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044993.D
Acq On : 18 Feb 2025 17:17
Operator : JC/MD
Sample : Q1376-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW33

Quant Time: Feb 19 06:16:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration



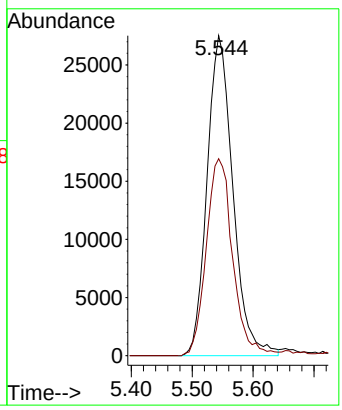


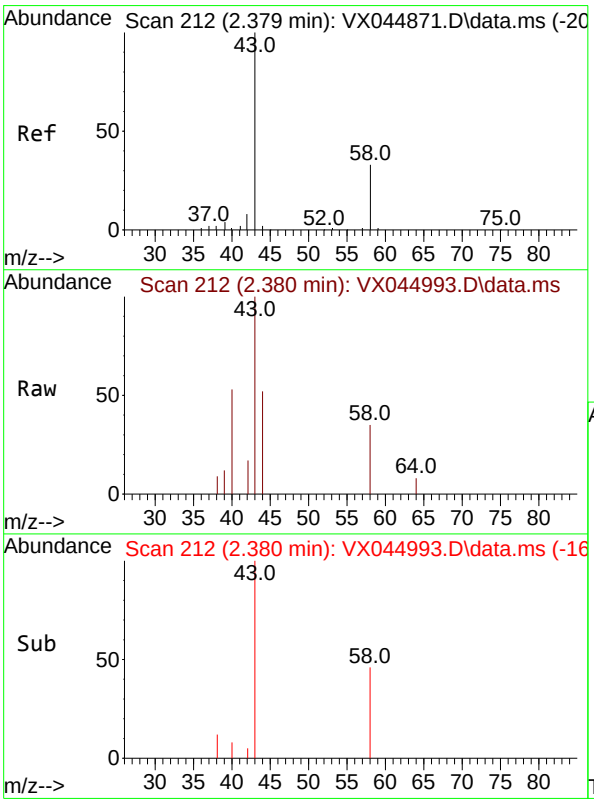
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

Instrument :
MSVOA_X
ClientSampleId :
MW33

Tgt Ion:168 Resp: 81057

Ion	Ratio	Lower	Upper
168	100		
99	61.5	51.2	76.8

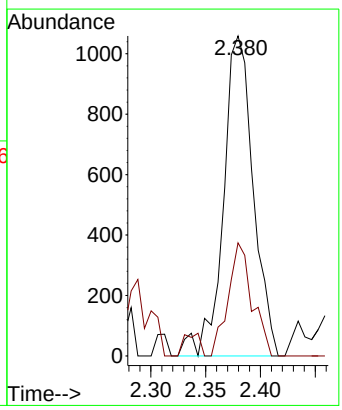


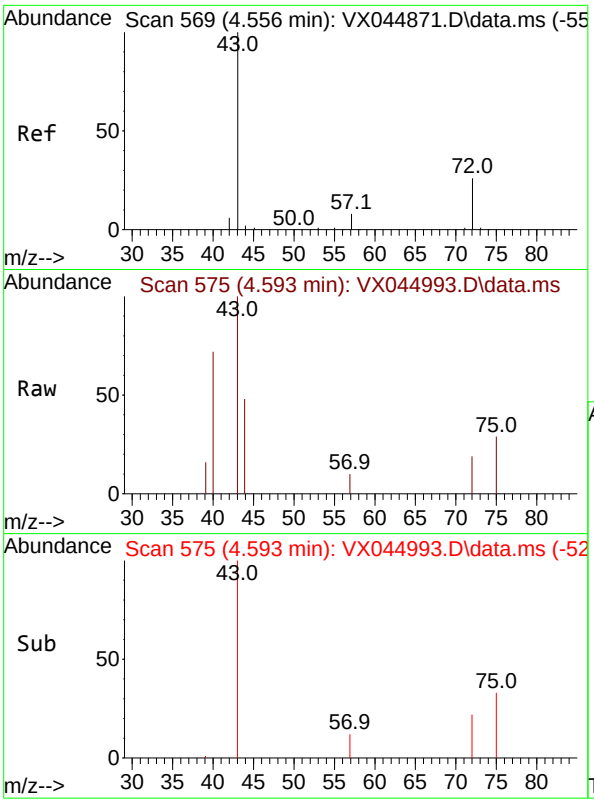


#16
Acetone
Concen: 4.214 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

Tgt Ion: 43 Resp: 2010

Ion	Ratio	Lower	Upper
43	100		
58	35.3	26.5	39.7



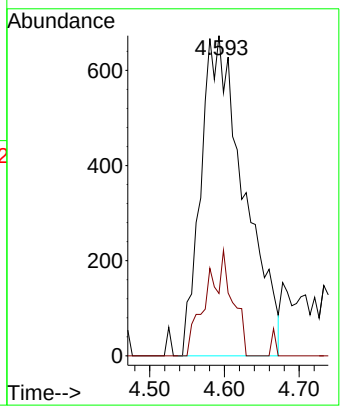


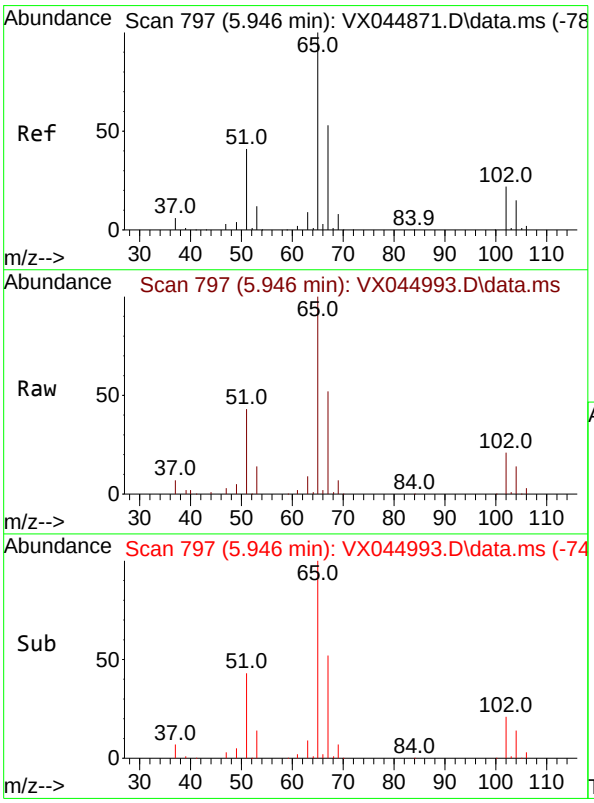
#25
2-Butanone
Concen: 3.490 ug/l
RT: 4.593 min Scan# 5
Delta R.T. 0.037 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

Instrument :
MSVOA_X
ClientSampleId :
MW33

Tgt Ion: 43 Resp: 2703

Ion	Ratio	Lower	Upper
43	100		
72	19.5	21.2	31.8#

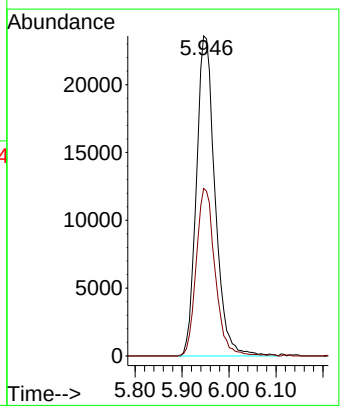


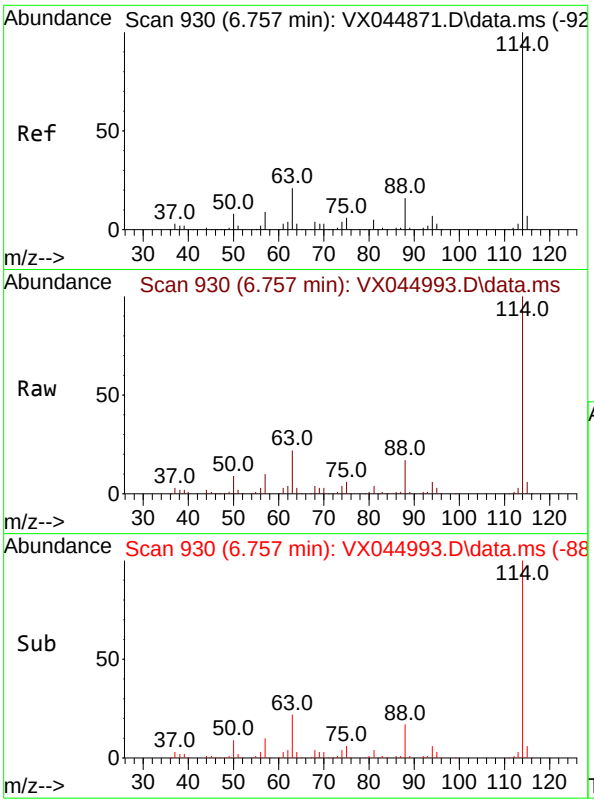


#33
1,2-Dichloroethane-d4
Concen: 54.877 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.000 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

Tgt Ion: 65 Resp: 65113

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	108.2



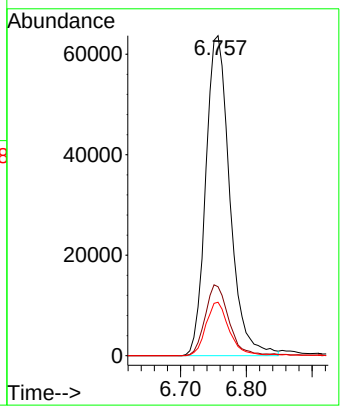


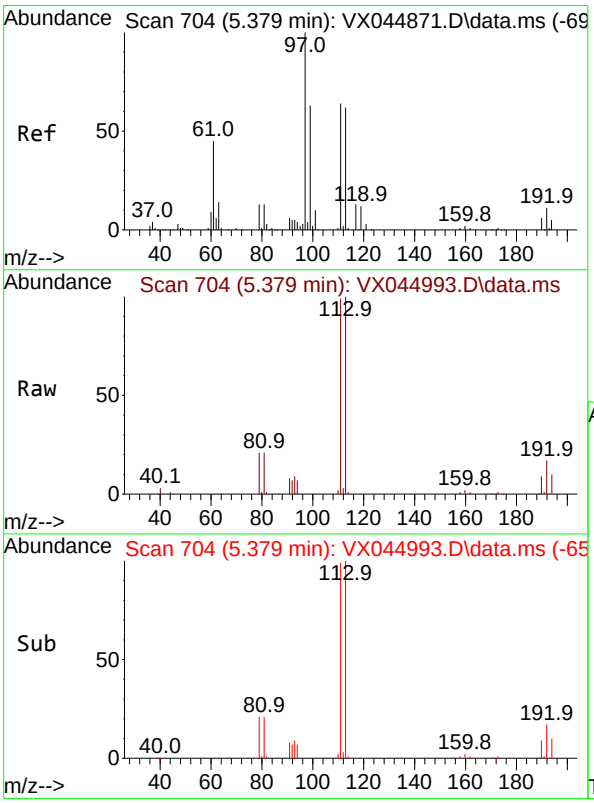
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

Instrument :
MSVOA_X
ClientSampleId :
MW33

Tgt Ion:114 Resp: 162106

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	42.4
88	16.7	0.0	31.4

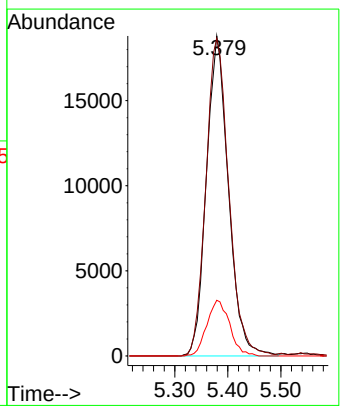


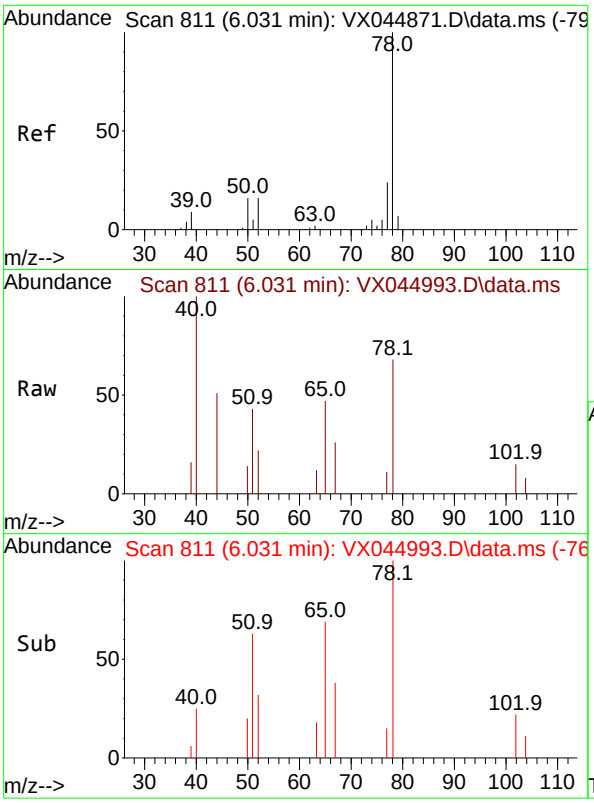


#35
Dibromofluoromethane
Concen: 51.517 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

Tgt Ion:113 Resp: 54297

Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.5	125.3
192	18.0	14.4	21.6



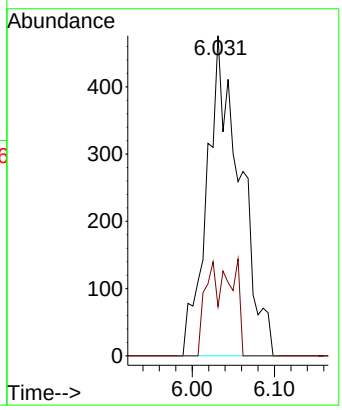


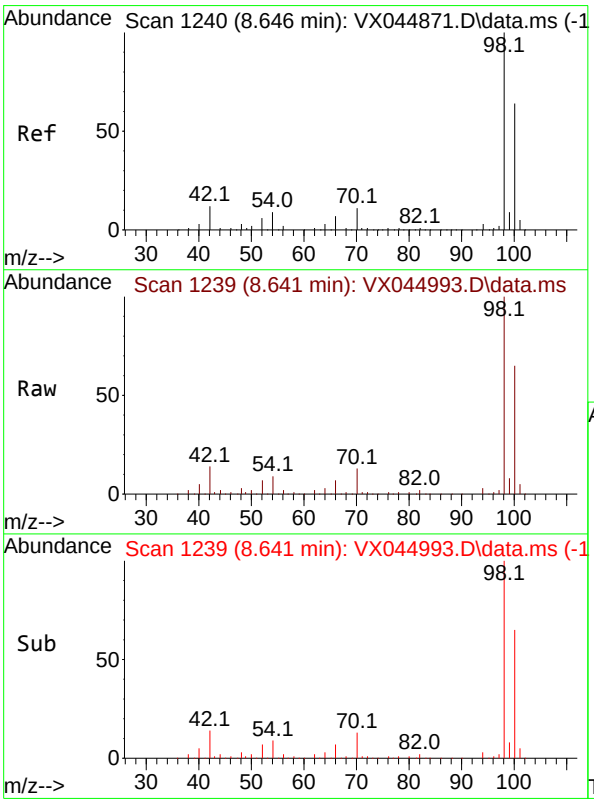
#40
Benzene
Concen: 0.280 ug/l
RT: 6.031 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

Instrument :
MSVOA_X
ClientSampleId :
MW33

Tgt Ion: 78 Resp: 1330

Ion	Ratio	Lower	Upper
78	100		
77	15.3	19.0	28.6#

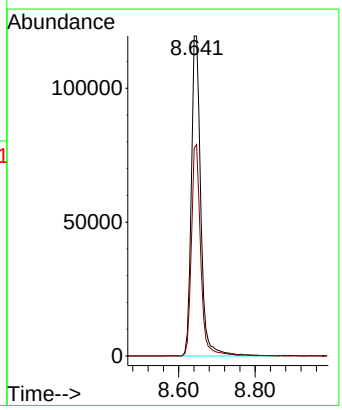


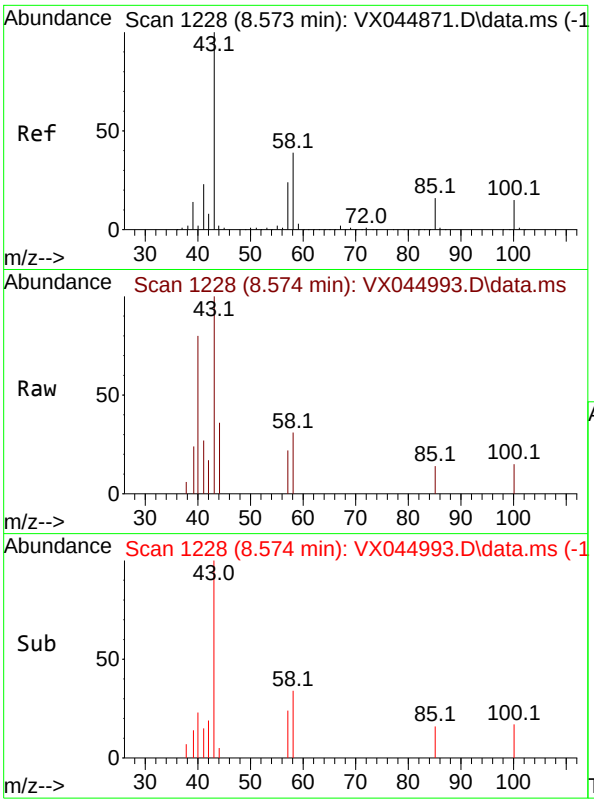


#50
Toluene-d8
Concen: 51.425 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

Tgt Ion: 98 Resp: 204953

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.7	79.1



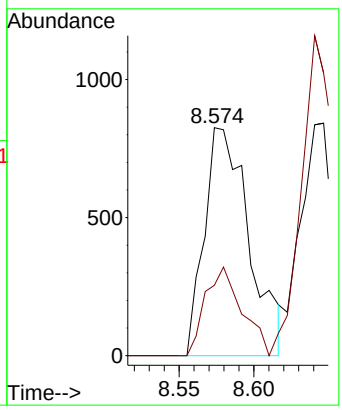


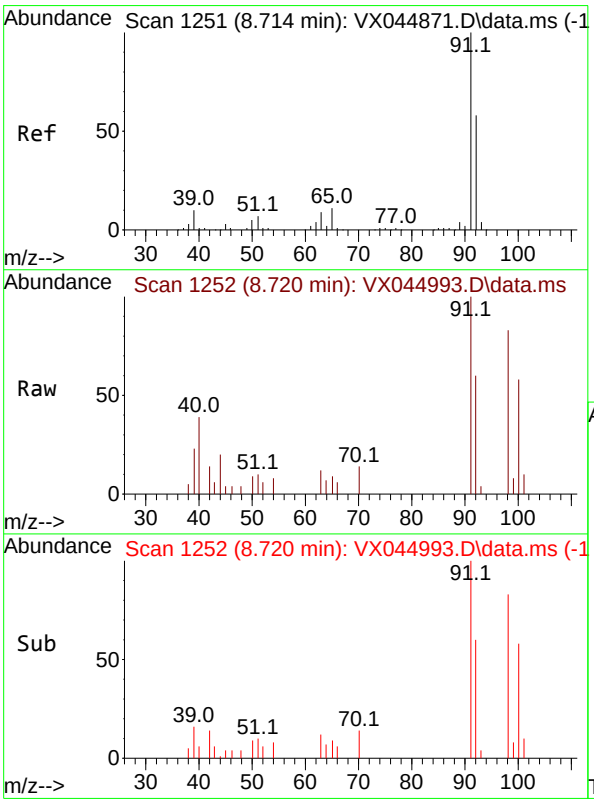
#51
4-Methyl-2-Pentanone
Concen: 1.032 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

Instrument :
MSVOA_X
ClientSampleId :
MW33

Tgt Ion: 43 Resp: 1713

Ion	Ratio	Lower	Upper
43	100		
58	31.9	30.8	46.2

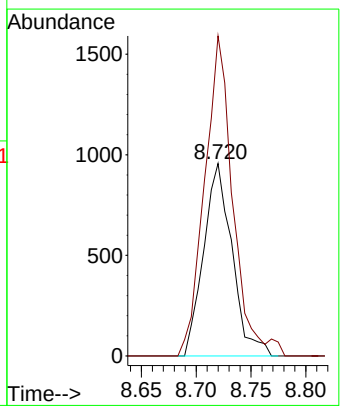


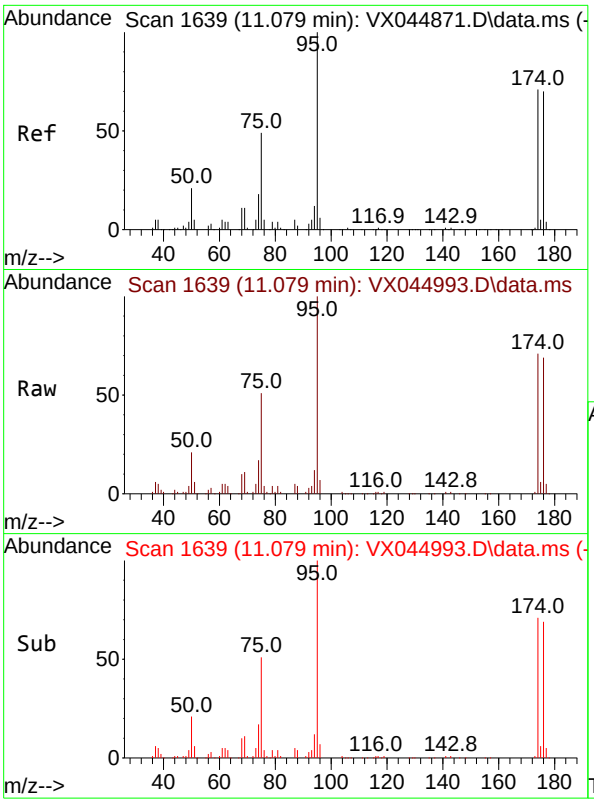


#52
Toluene
Concen: 0.612 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

Tgt Ion: 92 Resp: 1731

Ion	Ratio	Lower	Upper
92	100		
91	165.3	137.4	206.2



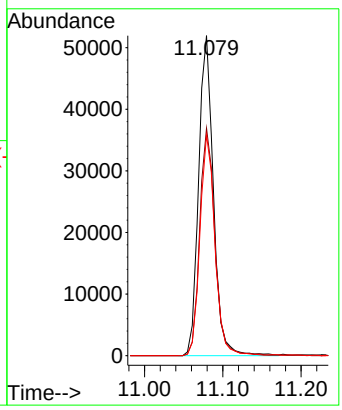


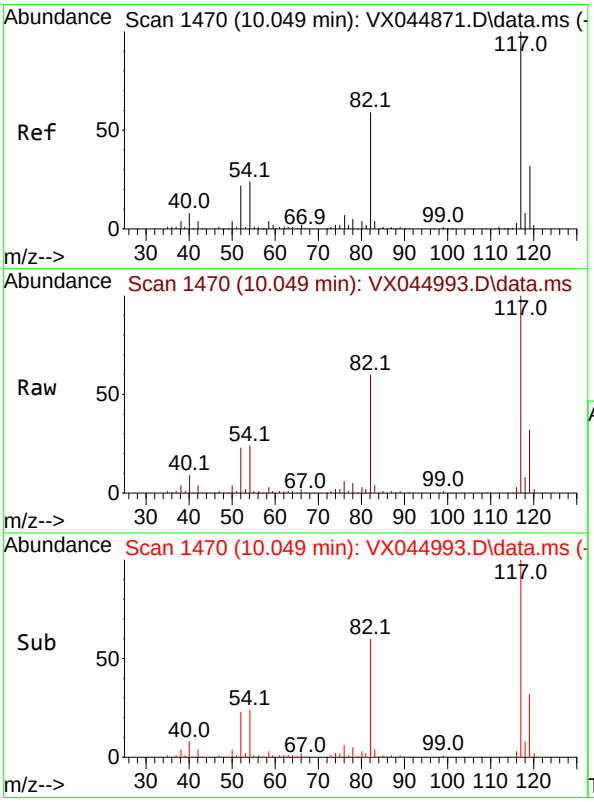
#62
4-Bromofluorobenzene
Concen: 50.769 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

Instrument :
MSVOA_X
ClientSampleId :
MW33

Tgt Ion: 95 Resp: 68212

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	142.6
176	69.7	0.0	141.6

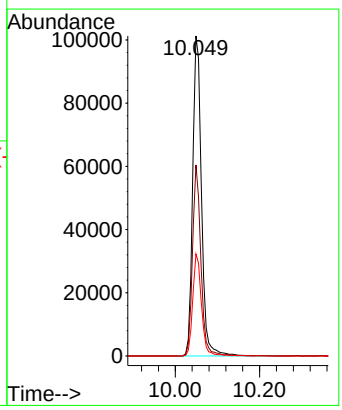


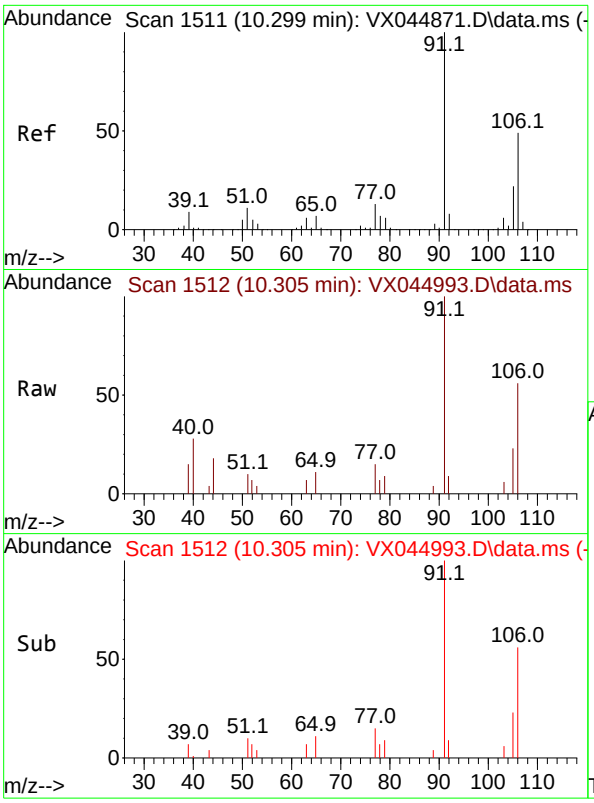


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

Tgt Ion:117 Resp: 147456

Ion	Ratio	Lower	Upper
117	100		
82	59.7	47.5	71.3
119	31.9	25.4	38.0



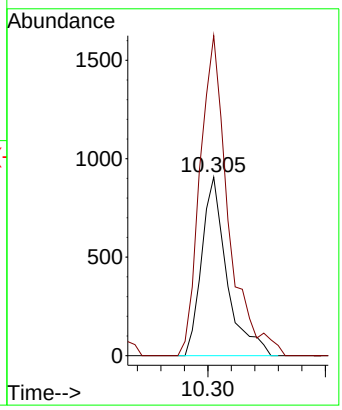


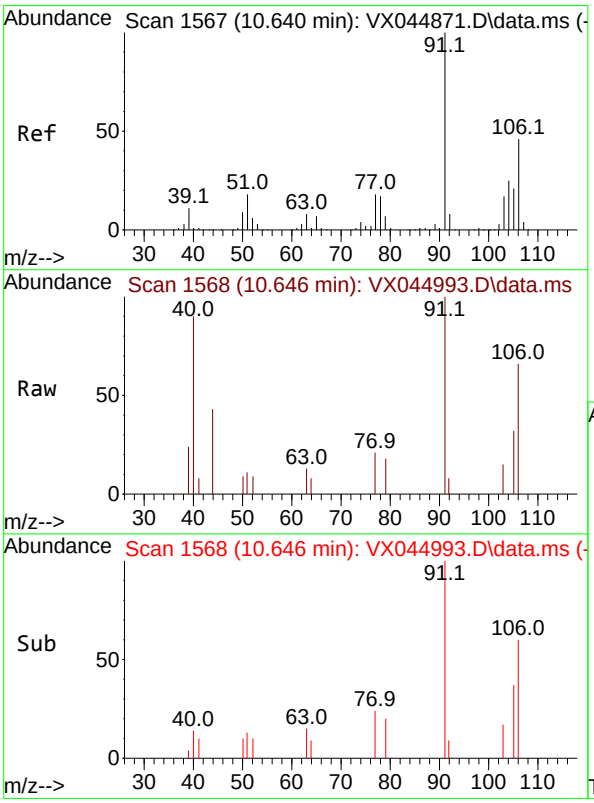
#68
m/p-Xylenes
Concen: 0.655 ug/l
RT: 10.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

Instrument :
MSVOA_X
ClientSampleId :
MW33

Tgt Ion:106 Resp: 1350

Ion	Ratio	Lower	Upper
106	100		
91	201.0	164.3	246.5

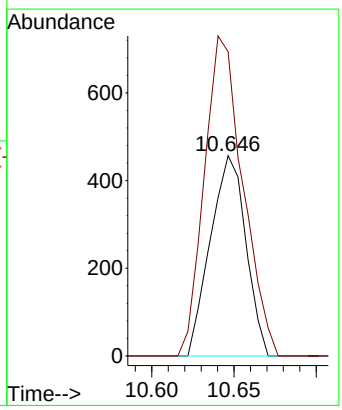


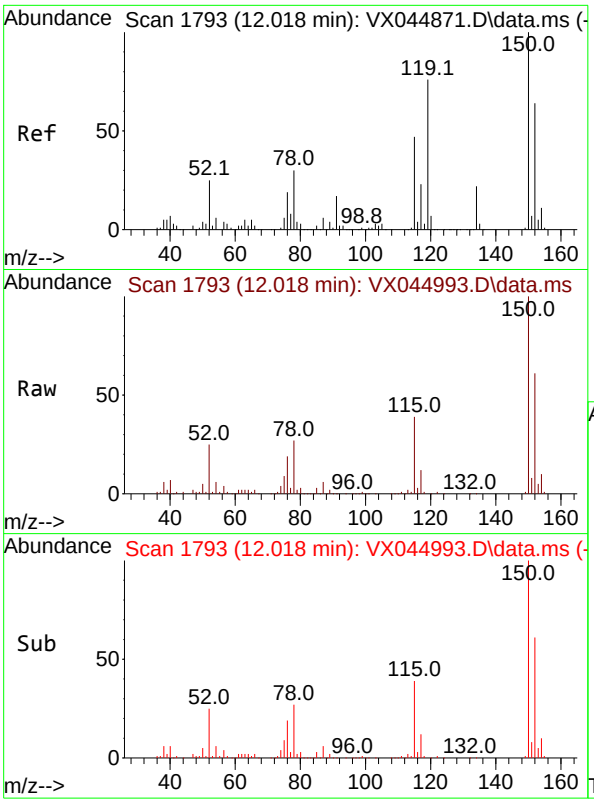


#69
o-Xylene
Concen: 0.331 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

Tgt Ion:106 Resp: 685

Ion	Ratio	Lower	Upper
106	100		
91	173.4	108.5	325.5



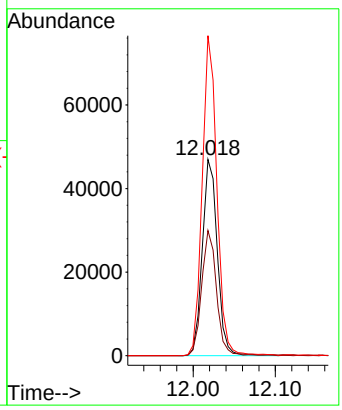


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044993.D
Acq: 18 Feb 2025 17:17

Instrument :
MSVOA_X
ClientSampleId :
MW33

Tgt Ion:152 Resp: 59734

Ion	Ratio	Lower	Upper
152	100		
115	63.0	43.4	130.1
150	158.9	0.0	350.4



Sample Results: **VX044993.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044993.D
Acq On : 18 Feb 2025 17:17
Operator : JC/MD
Sample : Q1376-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW33

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Title : SW846 8260

Signal : TIC: VX044993.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	21	25	31	rBV	39149	53048	9.86%	1.897%
2	1.368	43	46	49	rBV2	7676	7475	1.39%	0.267%
3	2.934	296	303	313	rVB3	3742	9345	1.74%	0.334%
4	5.379	693	704	721	rBV2	61301	181602	33.77%	6.494%
5	5.544	721	731	748	rVV	84197	247293	45.98%	8.843%
6	5.946	789	797	810	rBV	67902	185521	34.49%	6.634%
7	6.751	921	929	945	rBV	152717	387156	71.98%	13.845%
8	8.641	1233	1239	1249	rBV	322007	537835	100.00%	19.233%
9	10.049	1465	1470	1490	rBV	326895	465369	86.53%	16.642%
10	10.305	1506	1512	1516	rBV3	4500	7240	1.35%	0.259%
11	11.079	1634	1639	1651	rBV	247313	329742	61.31%	11.792%
12	12.018	1788	1793	1803	rBV	312284	384757	71.54%	13.759%

Sum of corrected areas: 2796383

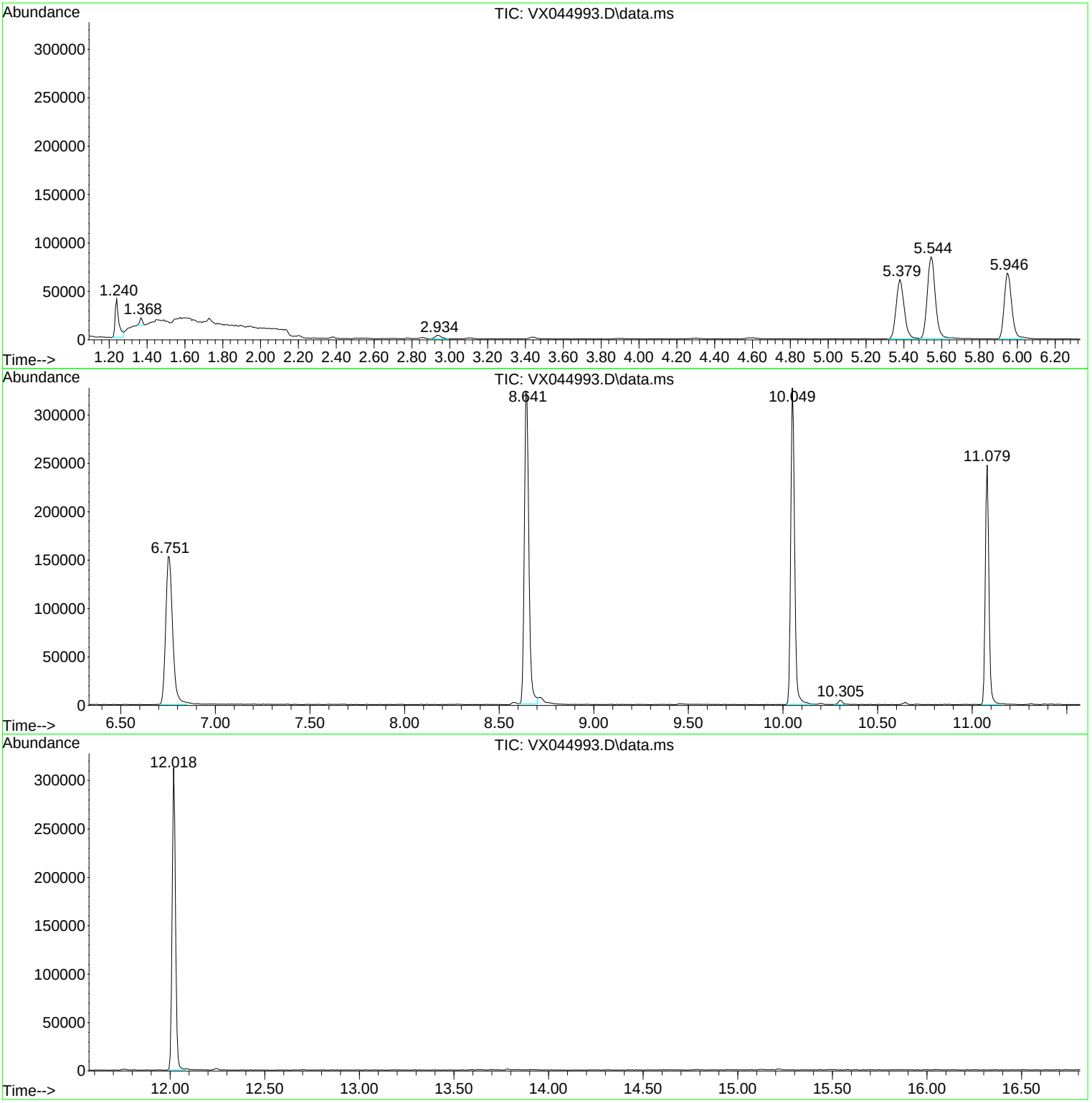
Sample Results: **VX044993.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044993.D
Acq On : 18 Feb 2025 17:17
Operator : JC/MD
Sample : Q1376-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW33

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044993.D
Acq On : 18 Feb 2025 17:17
Operator : JC/MD
Sample : Q1376-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW33

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

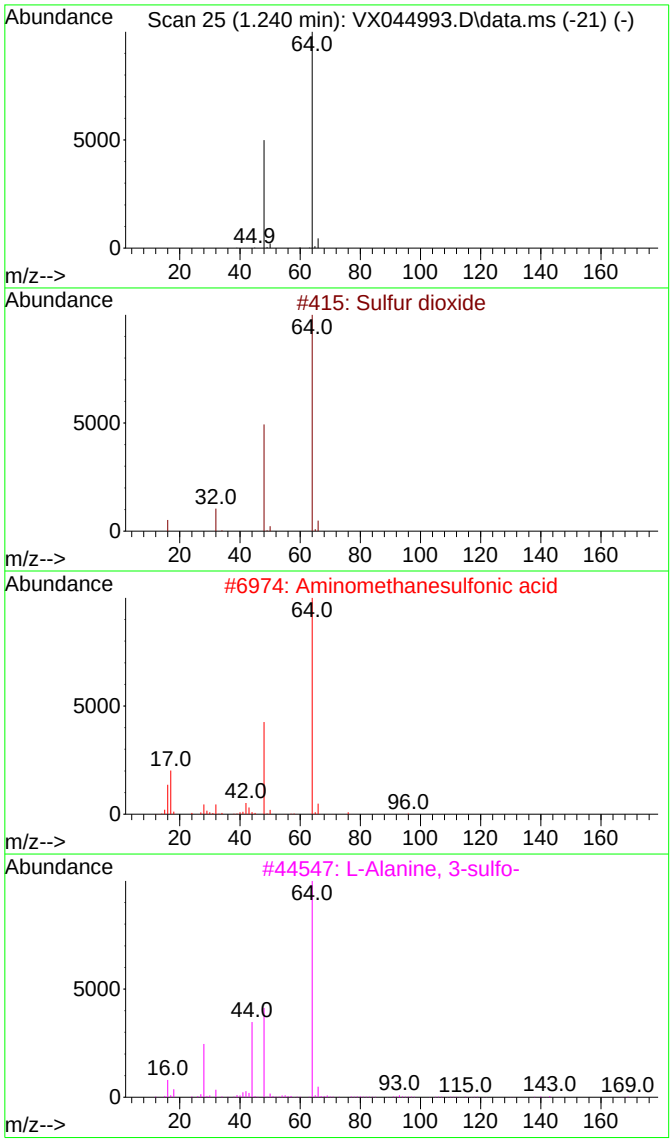
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

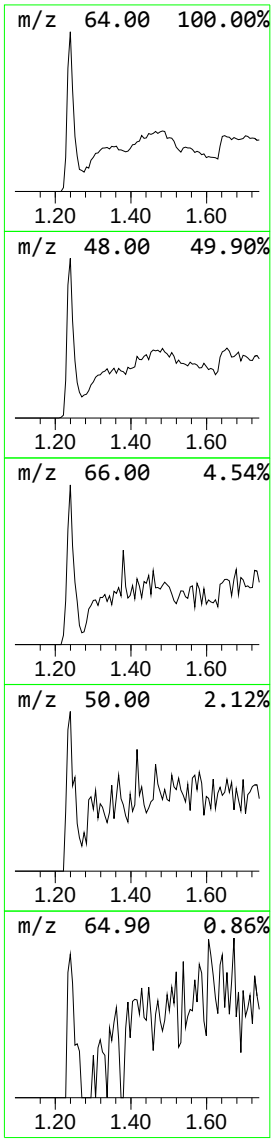
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.240	10.73 ug/l	53048	Pentafluorobenzene	5.544

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	3





Sample Results: **VX044993.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044993.D
Acq On : 18 Feb 2025 17:17
Operator : JC/MD
Sample : Q1376-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW33

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.240	10.7	ug/l	53048	1	5.544	247293	50.0

CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GFEL01

Lab Code: CHEM Case No.: Q1376 SAS No.: Q1376 SDG No.: Q1376

Instrument ID: MSVOA_X Calibration Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Calibration Time(s): 10:25 12:28

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

LAB FILE ID: RRF001 = VX044868.D RRF005 = VX044869.D RRF020 = VX044870.D
RRF050 = VX044871.D RRF100 = VX044872.D RRF150 = VX044873.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.723	0.669	0.716	0.700	0.706	0.693	0.701	2.7
Chloromethane	0.958	0.860	0.862	0.843	0.805	0.793	0.854	6.9
Vinyl Chloride	0.839	0.846	0.847	0.808	0.807	0.814	0.827	2.3
Bromomethane		0.248	0.252	0.249	0.242	0.246	0.247	1.4
Chloroethane	0.500	0.288	0.280	0.341	0.249	0.181	0.307	35.4
Trichlorofluoromethane	1.062	1.066	1.096	1.029	1.013	1.008	1.046	3.3
1,1,2-Trichlorotrifluoroethane	0.583	0.647	0.668	0.626	0.631	0.637	0.632	4.5
1,1-Dichloroethene	0.647	0.639	0.661	0.630	0.632	0.657	0.644	2
Acetone	0.305	0.292	0.298	0.293	0.285	0.292	0.294	2.3
Carbon Disulfide	1.689	1.732	1.786	1.762	1.789	1.846	1.767	3
Methyl tert-butyl Ether	1.941	2.065	2.130	2.046	2.011	2.110	2.050	3.4
Methyl Acetate	0.882	0.901	0.926	0.946	0.922	0.995	0.928	4.2
Methylene Chloride	0.747	0.717	0.741	0.704	0.695	0.720	0.721	2.8
trans-1,2-Dichloroethene	0.608	0.622	0.657	0.640	0.633	0.644	0.634	2.7
1,1-Dichloroethane	1.155	1.257	1.292	1.227	1.209	1.257	1.233	3.9
Cyclohexane		1.154	1.174	1.121	1.107	1.127	1.137	2.4
2-Butanone	0.422	0.472	0.504	0.506	0.477	0.487	0.478	6.4
Carbon Tetrachloride	0.457	0.466	0.478	0.453	0.445	0.459	0.460	2.4
cis-1,2-Dichloroethene	0.680	0.783	0.812	0.758	0.758	0.779	0.762	5.9
Bromochloromethane	0.634	0.579	0.607	0.584	0.572	0.579	0.593	4
Chloroform	1.167	1.209	1.268	1.169	1.153	1.208	1.196	3.5
1,1,1-Trichloroethane	1.014	1.003	1.051	1.005	0.984	1.028	1.014	2.3
Methylcyclohexane	0.509	0.571	0.667	0.622	0.634	0.635	0.606	9.4
Benzene	1.370	1.488	1.577	1.470	1.429	1.453	1.465	4.7
1,2-Dichloroethane	0.417	0.465	0.502	0.472	0.462	0.482	0.467	6.1
Trichloroethene	0.293	0.340	0.367	0.335	0.332	0.343	0.335	7.2
1,2-Dichloropropane	0.343	0.354	0.389	0.367	0.360	0.372	0.364	4.3
Bromodichloromethane	0.428	0.481	0.514	0.500	0.500	0.513	0.489	6.6
4-Methyl-2-Pentanone	0.439	0.514	0.562	0.554	0.506	0.498	0.512	8.6
Toluene	0.776	0.872	0.957	0.898	0.866	0.864	0.872	6.7

* 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.

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: GFEL01

Lab Code: CHEM Case No.: Q1376 SAS No.: Q1376 SDG No.: Q1376

Instrument ID: MSVOA_X Calibration Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Calibration Time(s): 10:25 12:28

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

LAB FILE ID: RRF001 = VX044868.D RRF005 = VX044869.D RRF020 = VX044870.D
RRF050 = VX044871.D RRF100 = VX044872.D RRF150 = VX044873.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.417	0.451	0.518	0.514	0.528	0.543	0.495	10
cis-1,3-Dichloropropene	0.452	0.511	0.587	0.577	0.587	0.599	0.552	10.5
1,1,2-Trichloroethane	0.307	0.342	0.362	0.341	0.331	0.329	0.335	5.4
2-Hexanone	0.313	0.360	0.406	0.404	0.369	0.362	0.369	9.3
Dibromochloromethane	0.317	0.342	0.381	0.373	0.368	0.370	0.359	6.7
1,2-Dibromoethane	0.302	0.330	0.367	0.350	0.345	0.345	0.340	6.5
Tetrachloroethene	0.306	0.311	0.343	0.310	0.307	0.314	0.315	4.4
Chlorobenzene	0.969	1.093	1.140	1.096	1.071	1.076	1.074	5.3
Ethyl Benzene	1.690	1.873	2.021	1.935	1.923	1.929	1.895	5.9
m/p-Xylenes	0.616	0.700	0.754	0.724	0.706	0.694	0.699	6.6
o-Xylene	0.661	0.721	0.747	0.707	0.691	0.681	0.701	4.4
Styrene	0.909	1.124	1.249	1.199	1.161	1.139	1.130	10.4
Bromoform	0.186	0.247	0.272	0.280	0.276	0.287	0.258	14.7
Isopropylbenzene	3.735	4.012	4.347	4.045	3.940	4.076	4.026	4.9
1,1,2,2-Tetrachloroethane	1.429	1.403	1.438	1.366	1.305	1.360	1.383	3.6
1,3-Dichlorobenzene	1.616	1.669	1.741	1.679	1.663	1.703	1.678	2.5
1,4-Dichlorobenzene	1.662	1.712	1.762	1.686	1.660	1.701	1.697	2.2
1,2-Dichlorobenzene	1.512	1.713	1.763	1.666	1.604	1.639	1.650	5.3
1,2-Dibromo-3-Chloropropane	0.202	0.236	0.268	0.258	0.261	0.289	0.252	11.9
1,2,4-Trichlorobenzene	0.860	0.934	1.013	1.013	1.057	1.112	0.998	9
1,2,3-Trichlorobenzene	0.858	0.952	1.042	1.031	1.043	1.109	1.006	8.7
1,2-Dichloroethane-d4		0.764	0.718	0.723	0.707	0.747	0.732	3.2
Dibromofluoromethane		0.335	0.322	0.320	0.320	0.328	0.325	2
Toluene-d8		1.239	1.249	1.239	1.208	1.212	1.229	1.5
4-Bromofluorobenzene		0.404	0.410	0.431	0.415	0.412	0.414	2.5

* 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.

Response Factor Report MSVOA_X2

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X021025W.M
Title : SW846 8260
Last Update : Tue Feb 11 03:41:08 2025
Response Via : Initial Calibration

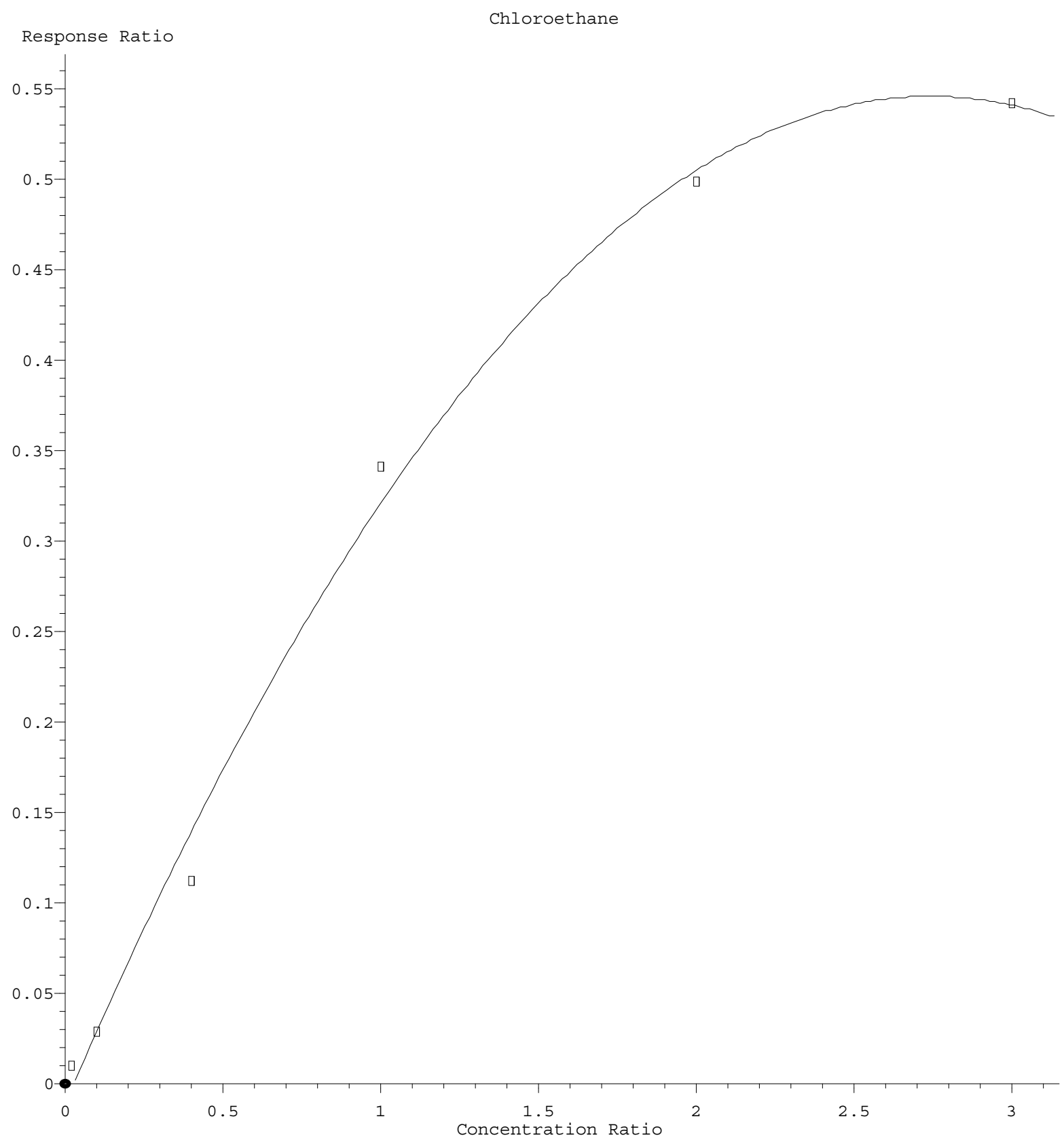
Calibration Files
1 =VX044868.D 5 =VX044869.D 20 =VX044870.D 50 =VX044871.D 100 =VX044872.D 150 =VX044873.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.723	0.669	0.716	0.700	0.706	0.693	0.701	2.71
3)	P	Chloromethane	0.958	0.860	0.862	0.843	0.805	0.793	0.854	6.89
4)	C	Vinyl Chloride	0.839	0.846	0.847	0.808	0.807	0.814	0.827	2.33#
5)	T	Bromomethane		0.248	0.252	0.249	0.242	0.246	0.247	1.44
6)	T	Chloroethane	0.500	0.288	0.280	0.341	0.249	0.181	0.307	35.36
7)	T	Trichlorofluor...	1.062	1.066	1.096	1.029	1.013	1.008	1.046	3.32
8)	T	Diethyl Ether	0.385	0.372	0.399	0.375	0.370	0.374	0.379	2.94
9)	T	1,1,2-Trichlor...	0.583	0.647	0.668	0.626	0.631	0.637	0.632	4.45
10)	T	Methyl Iodide		0.752	0.864	0.847	0.819	0.813	0.819	5.22
11)	T	Tert butyl alc...		0.148	0.138	0.136	0.128	0.129	0.136	5.92
12)	CM	1,1-Dichloroet...	0.647	0.639	0.661	0.630	0.632	0.657	0.644	2.04#
13)	T	Acrolein		0.143	0.131	0.141	0.139	0.145	0.140	3.99
14)	T	Allyl chloride	1.179	1.150	1.187	1.157	1.149	1.167	1.165	1.36
15)	T	Acrylonitrile	0.337	0.354	0.380	0.379	0.360	0.364	0.363	4.41
16)	T	Acetone	0.305	0.292	0.298	0.293	0.285	0.292	0.294	2.26
17)	T	Carbon Disulfide	1.689	1.732	1.786	1.762	1.789	1.846	1.767	3.04
18)	T	Methyl Acetate	0.882	0.901	0.926	0.946	0.922	0.995	0.928	4.22
19)	T	Methyl tert-bu...	1.941	2.065	2.130	2.046	2.011	2.110	2.050	3.36
20)	T	Methylene Chlo...	0.747	0.717	0.741	0.704	0.695	0.720	0.721	2.82
21)	T	trans-1,2-Dich...	0.608	0.622	0.657	0.640	0.633	0.644	0.634	2.74
22)	T	Diisopropyl ether	2.049	2.187	2.322	2.245	2.185	2.233	2.203	4.12
23)	T	Vinyl Acetate	1.540	1.750	1.892	1.860	1.843	1.892	1.796	7.56
24)	P	1,1-Dichloroet...	1.155	1.257	1.292	1.227	1.209	1.257	1.233	3.86
25)	T	2-Butanone	0.422	0.472	0.504	0.506	0.477	0.487	0.478	6.40
26)	T	2,2-Dichloropr...	0.957	0.982	1.000	0.952	0.959	1.017	0.978	2.71
27)	T	cis-1,2-Dichlo...	0.680	0.783	0.812	0.758	0.758	0.779	0.762	5.87
28)	T	Bromochloromet...	0.634	0.579	0.607	0.584	0.572	0.579	0.593	4.04
29)	T	Tetrahydrofuran	0.299	0.310	0.335	0.329	0.313	0.317	0.317	4.13
30)	C	Chloroform	1.167	1.209	1.268	1.169	1.153	1.208	1.196	3.53#
31)	T	Cyclohexane		1.154	1.174	1.121	1.107	1.127	1.137	2.35
32)	T	1,1,1-Trichlor...	1.014	1.003	1.051	1.005	0.984	1.028	1.014	2.26
33)	S	1,2-Dichloroet...		0.764	0.718	0.723	0.707	0.747	0.732	3.17
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.335	0.322	0.320	0.320	0.328	0.325	1.98
36)	T	1,1-Dichloropr...	0.472	0.467	0.490	0.463	0.457	0.465	0.469	2.47
37)	T	Ethyl Acetate	0.477	0.534	0.546	0.527	0.516	0.528	0.522	4.57
38)	T	Carbon Tetrach...	0.457	0.466	0.478	0.453	0.445	0.459	0.460	2.44
39)	T	Methylcyclohexane	0.509	0.571	0.667	0.622	0.634	0.635	0.606	9.36
40)	TM	Benzene	1.370	1.488	1.577	1.470	1.429	1.453	1.465	4.69
41)	T	Methacrylonitrile	0.237	0.262	0.292	0.302	0.287	0.295	0.279	8.84
42)	TM	1,2-Dichloroet...	0.417	0.465	0.502	0.472	0.462	0.482	0.467	6.08
43)	T	Isopropyl Acetate	0.755	0.782	0.899	0.876	0.858	0.885	0.842	7.05
44)	TM	Trichloroethene	0.293	0.340	0.367	0.335	0.332	0.343	0.335	7.20
45)	C	1,2-Dichloropr...	0.343	0.354	0.389	0.367	0.360	0.372	0.364	4.32#
46)	T	Dibromomethane	0.236	0.245	0.270	0.255	0.252	0.258	0.253	4.48
47)	T	Bromodichlorom...	0.428	0.481	0.514	0.500	0.500	0.513	0.489	6.60
48)	T	Methyl methacr...	0.330	0.367	0.424	0.421	0.414	0.427	0.397	10.05
49)	T	1,4-Dioxane	0.009	0.009	0.009	0.009	0.008	0.008	0.009	6.54
50)	S	Toluene-d8		1.239	1.249	1.239	1.208	1.212	1.229	1.49
51)	T	4-Methyl-2-Pen...	0.439	0.514	0.562	0.554	0.506	0.498	0.512	8.61
52)	CM	Toluene	0.776	0.872	0.957	0.898	0.866	0.864	0.872	6.74#
53)	T	t-1,3-Dichloro...	0.417	0.451	0.518	0.514	0.528	0.543	0.495	10.04
54)	T	cis-1,3-Dichlo...	0.452	0.511	0.587	0.577	0.587	0.599	0.552	10.49
55)	T	1,1,2-Trichlor...	0.307	0.342	0.362	0.341	0.331	0.329	0.335	5.44
56)	T	Ethyl methacry...	0.462	0.488	0.583	0.577	0.568	0.571	0.542	9.74

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X021025W.M

57)	T	1,3-Dichloropr...	0.531	0.586	0.641	0.605	0.579	0.578	0.587	6.13
58)	T	2-Chloroethyl ...	0.213	0.249	0.284	0.288	0.281	0.281	0.266	11.18
59)	T	2-Hexanone	0.313	0.360	0.406	0.404	0.369	0.362	0.369	9.31
60)	T	Dibromochlorom...	0.317	0.342	0.381	0.373	0.368	0.370	0.359	6.71
61)	T	1,2-Dibromoethane	0.302	0.330	0.367	0.350	0.345	0.345	0.340	6.55
62)	S	4-Bromofluorob...		0.404	0.410	0.431	0.415	0.412	0.414	2.47
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.306	0.311	0.343	0.310	0.307	0.314	0.315	4.43
65)	PM	Chlorobenzene	0.969	1.093	1.140	1.096	1.071	1.076	1.074	5.32
66)	T	1,1,1,2-Tetrac...	0.302	0.338	0.365	0.354	0.355	0.360	0.346	6.76
67)	C	Ethyl Benzene	1.690	1.873	2.021	1.935	1.923	1.929	1.895	5.87#
68)	T	m/p-Xylenes	0.616	0.700	0.754	0.724	0.706	0.694	0.699	6.58
69)	T	o-Xylene	0.661	0.721	0.747	0.707	0.691	0.681	0.701	4.36
70)	T	Styrene	0.909	1.124	1.249	1.199	1.161	1.139	1.130	10.38
71)	P	Bromoform	0.186	0.247	0.272	0.280	0.276	0.287	0.258	14.69
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.735	4.012	4.347	4.045	3.940	4.076	4.026	4.95
74)	T	N-amyl acetate	1.431	1.744	1.915	1.902	1.889	2.051	1.822	11.80
75)	P	1,1,2,2-Tetrac...	1.429	1.403	1.438	1.366	1.305	1.360	1.383	3.61
76)	T	1,2,3-Trichlor...	1.046	1.153	1.141	1.106	1.085	1.120	1.109	3.53
77)	T	Bromobenzene	0.847	0.920	0.978	0.911	0.897	0.923	0.913	4.65
78)	T	n-propylbenzene	4.049	4.600	4.974	4.723	4.699	4.837	4.647	6.88
79)	T	2-Chlorotoluene	2.859	2.860	3.034	2.842	2.720	2.820	2.856	3.56
80)	T	1,3,5-Trimethy...	2.981	3.326	3.543	3.319	3.201	3.233	3.267	5.64
81)	T	trans-1,4-Dich...		0.346	0.417	0.437	0.457	0.498	0.431	13.01
82)	T	4-Chlorotoluene	2.958	3.156	3.320	3.193	3.116	3.214	3.160	3.81
83)	T	tert-Butylbenzene	3.097	3.350	3.539	3.312	3.236	3.296	3.305	4.38
84)	T	1,2,4-Trimethy...	2.687	3.252	3.535	3.359	3.220	3.295	3.225	8.87
85)	T	sec-Butylbenzene	3.692	4.025	4.421	4.146	4.102	4.169	4.093	5.80
86)	T	p-Isopropyltol...	2.844	3.229	3.546	3.402	3.325	3.401	3.291	7.37
87)	T	1,3-Dichlorobe...	1.616	1.669	1.741	1.679	1.663	1.703	1.678	2.49
88)	T	1,4-Dichlorobe...	1.662	1.712	1.762	1.686	1.660	1.701	1.697	2.22
89)	T	n-Butylbenzene	2.138	2.696	3.087	3.105	3.194	3.251	2.912	14.63
90)	T	Hexachloroethane	0.533	0.589	0.629	0.615	0.643	0.689	0.616	8.53
91)	T	1,2-Dichlorobe...	1.512	1.713	1.763	1.666	1.604	1.639	1.650	5.30
92)	T	1,2-Dibromo-3-...	0.202	0.236	0.268	0.258	0.261	0.289	0.252	11.87
93)	T	1,2,4-Trichlor...	0.860	0.934	1.013	1.013	1.057	1.112	0.998	8.98
94)	T	Hexachlorobuta...	0.383	0.376	0.416	0.383	0.408	0.411	0.396	4.36
95)	T	Naphthalene	2.824	3.432	3.879	3.752	3.771	3.991	3.608	11.84
96)	T	1,2,3-Trichlor...	0.858	0.952	1.042	1.031	1.043	1.109	1.006	8.75

(#) = Out of Range



R = -7.391e-002 A*A + 4.057e-001 A - 1.083e-002
Coef of Det (r^2) = 0.995138 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X021025W.M
Calibration Table Last Updated: Tue Feb 11 03:41:08 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044868.D
Acq On : 10 Feb 2025 10:25
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:33:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	134134	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	254149	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	218570	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	90733	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	1.160	85	1939m	1.031	ug/l		
3) Chloromethane	1.307	50	2571	1.123	ug/l		94
4) Vinyl Chloride	1.374	62	2252	1.015	ug/l		96
6) Chloroethane	1.666	64	1341	2.592	ug/l		91
7) Trichlorofluoromethane	1.874	101	2849	1.016	ug/l		88
8) Diethyl Ether	2.130	74	1032	1.014	ug/l	#	37
9) 1,1,2-Trichlorotrifluo...	2.325	101	1564	0.923	ug/l	#	88
12) 1,1-Dichloroethene	2.307	96	1737	1.005	ug/l		85
14) Allyl chloride	2.654	41	3164	1.013	ug/l		90
15) Acrylonitrile	3.069	53	4527	4.655	ug/l		95
16) Acetone	2.380	43	4095	5.188	ug/l		92
17) Carbon Disulfide	2.502	76	4531	0.956	ug/l	#	88
18) Methyl Acetate	2.697	43	2367	0.950	ug/l		95
19) Methyl tert-butyl Ether	3.117	73	5206	0.946	ug/l	#	87
20) Methylene Chloride	2.782	84	2005	1.037	ug/l	#	90
21) trans-1,2-Dichloroethene	3.087	96	1631	0.959	ug/l		96
22) Diisopropyl ether	3.764	45	5496	0.930	ug/l	#	75
23) Vinyl Acetate	3.727	43	20663	4.288	ug/l		99
24) 1,1-Dichloroethane	3.605	63	3099	0.937	ug/l	#	93
25) 2-Butanone	4.587	43	5660	4.416	ug/l		93
26) 2,2-Dichloropropane	4.471	77	2566	0.978	ug/l		76
27) cis-1,2-Dichloroethene	4.489	96	1825	0.893	ug/l		91
28) Bromochloromethane	4.910	49	1702	1.071	ug/l	#	75
29) Tetrahydrofuran	5.026	42	4014	4.716	ug/l		99
30) Chloroform	5.093	83	3132	0.976	ug/l		94
32) 1,1,1-Trichloroethane	5.379	97	2721	1.000	ug/l	#	50
36) 1,1-Dichloropropene	5.684	75	2399	1.006	ug/l		94
37) Ethyl Acetate	4.721	43	2426m	0.915	ug/l		
38) Carbon Tetrachloride	5.666	117	2322	0.994	ug/l	#	74
39) Methylcyclohexane	7.379	83	2589	0.840	ug/l		96
40) Benzene	6.038	78	6963	0.935	ug/l		94
41) Methacrylonitrile	4.958	41	1205m	0.849	ug/l		
42) 1,2-Dichloroethane	6.099	62	2120	0.894	ug/l		84
43) Isopropyl Acetate	6.355	43	3839	0.897	ug/l	#	88
44) Trichloroethene	7.135	130	1487	0.874	ug/l		76
45) 1,2-Dichloropropane	7.440	63	1746	0.943	ug/l	#	86

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044868.D
Acq On : 10 Feb 2025 10:25
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:33:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) Dibromomethane	7.592	93	1202	0.936 ug/l	95
47) Bromodichloromethane	7.818	83	2176	0.875 ug/l	93
48) Methyl methacrylate	7.720	41	1675	0.830 ug/l	92
49) 1,4-Dioxane	7.696	88	867	20.015 ug/l #	85
51) 4-Methyl-2-Pentanone	8.574	43	11169	4.290 ug/l	96
52) Toluene	8.714	92	3943	0.889 ug/l	100
53) t-1,3-Dichloropropene	8.994	75	2119	0.842 ug/l	90
54) cis-1,3-Dichloropropene	8.366	75	2300	0.820 ug/l #	86
55) 1,1,2-Trichloroethane	9.153	97	1558	0.914 ug/l #	86
56) Ethyl methacrylate	9.128	69	2346	0.852 ug/l #	84
57) 1,3-Dichloropropane	9.311	76	2699	0.905 ug/l	95
58) 2-Chloroethyl Vinyl ether	8.251	63	5401	3.996 ug/l	97
59) 2-Hexanone	9.439	43	7952	4.240 ug/l	95
60) Dibromochloromethane	9.525	129	1613	0.885 ug/l	96
61) 1,2-Dibromoethane	9.610	107	1534	0.888 ug/l	97
64) Tetrachloroethene	9.275	164	1339	0.971 ug/l	91
65) Chlorobenzene	10.080	112	4234	0.902 ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.165	131	1320	0.874 ug/l #	64
67) Ethyl Benzene	10.195	91	7388	0.892 ug/l	98
68) m/p-Xylenes	10.299	106	5387	1.763 ug/l	100
69) o-Xylene	10.640	106	2889	0.942 ug/l	97
70) Styrene	10.659	104	3974	0.804 ug/l	97
71) Bromoform	10.799	173	813	0.721 ug/l #	95
73) Isopropylbenzene	10.964	105	6778	0.928 ug/l	99
74) N-amyl acetate	10.848	43	2596	0.785 ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.207	83	2594	1.033 ug/l	94
76) 1,2,3-Trichloropropane	11.238	75	1898m	0.943 ug/l	
77) Bromobenzene	11.201	156	1537	0.928 ug/l	90
78) n-propylbenzene	11.305	91	7347	0.871 ug/l	98
79) 2-Chlorotoluene	11.366	91	5188	1.001 ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	5410	0.913 ug/l	98
82) 4-Chlorotoluene	11.457	91	5367	0.936 ug/l	99
83) tert-Butylbenzene	11.713	119	5620	0.937 ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	4876	0.833 ug/l	88
85) sec-Butylbenzene	11.890	105	6700	0.902 ug/l	99
86) p-Isopropyltoluene	12.006	119	5161	0.864 ug/l	90
87) 1,3-Dichlorobenzene	11.969	146	2933	0.963 ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	3016m	0.979 ug/l	
89) n-Butylbenzene	12.335	91	3880	0.734 ug/l	93
90) Hexachloroethane	12.536	117	968	0.866 ug/l	98
91) 1,2-Dichlorobenzene	12.341	146	2744	0.917 ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	367	0.801 ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	1560	0.861 ug/l	86
94) Hexachlorobutadiene	13.725	225	695	0.966 ug/l	99
95) Naphthalene	13.780	128	5125	0.783 ug/l	99
96) 1,2,3-Trichlorobenzene	13.969	180	1557	0.853 ug/l	93

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

ICAL Form

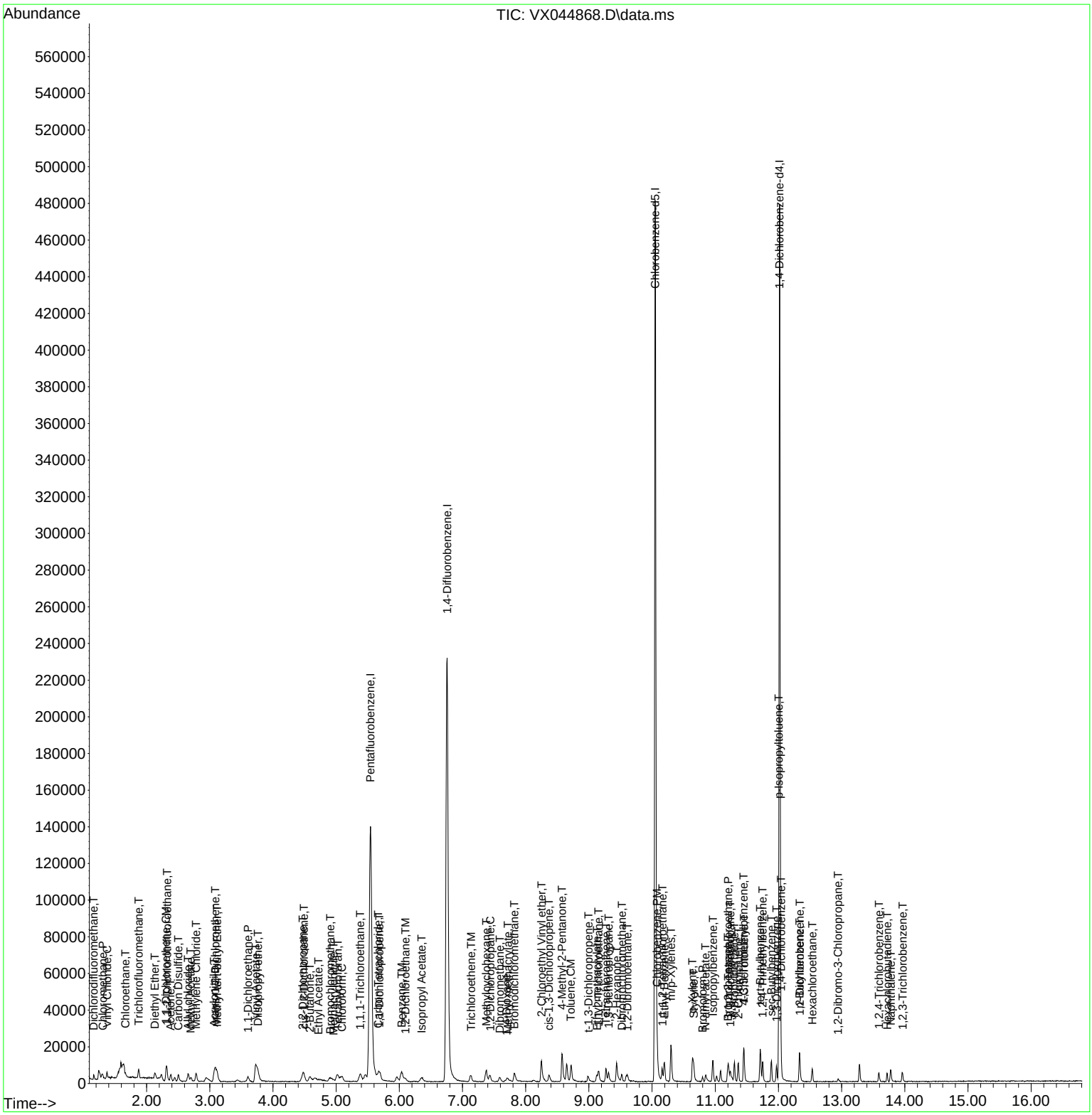
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044868.D
Acq On : 10 Feb 2025 10:25
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 11 03:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:33:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044869.D
Acq On : 10 Feb 2025 10:48
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:36:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:33:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	136105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	253314	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	218625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	95494	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	10397	5.219	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.440%#		
35) Dibromofluoromethane	5.385	113	8482	5.150	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.300%#		
50) Toluene-d8	8.647	98	31381	5.039	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.080%#		
62) 4-Bromofluorobenzene	11.079	95	10229	4.872	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.740%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	9109	4.772	ug/l	94
3) Chloromethane	1.301	50	11711	5.041	ug/l	97
4) Vinyl Chloride	1.374	62	11509	5.113	ug/l	94
5) Bromomethane	1.593	94	3371	5.005	ug/l	89
6) Chloroethane	1.660	64	3918m	4.973	ug/l	
7) Trichlorofluoromethane	1.868	101	14506	5.096	ug/l	100
8) Diethyl Ether	2.136	74	5062	4.904	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.319	101	8805	5.120	ug/l	98
10) Methyl Iodide	2.447	142	10233	4.591	ug/l	99
11) Tert butyl alcohol	2.983	59	10044	27.175	ug/l	100
12) 1,1-Dichloroethene	2.307	96	8692	4.955	ug/l	95
13) Acrolein	2.239	56	9750	25.567	ug/l	98
14) Allyl chloride	2.660	41	15649	4.936	ug/l	98
15) Acrylonitrile	3.062	53	24101	24.422	ug/l	98
16) Acetone	2.386	43	19877	24.817	ug/l	99
17) Carbon Disulfide	2.502	76	23568	4.899	ug/l	98
18) Methyl Acetate	2.703	43	12257	4.850	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	28100	5.034	ug/l	99
20) Methylene Chloride	2.782	84	9757	4.973	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	8470	4.906	ug/l	94
22) Diisopropyl ether	3.757	45	29768	4.963	ug/l #	80
23) Vinyl Acetate	3.721	43	119108	24.358	ug/l	98
24) 1,1-Dichloroethane	3.605	63	17113	5.099	ug/l	98
25) 2-Butanone	4.568	43	32121	24.698	ug/l	98
26) 2,2-Dichloropropane	4.459	77	13365	5.022	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	10662	5.141	ug/l	95
28) Bromochloromethane	4.898	49	7881	4.886	ug/l #	96
29) Tetrahydrofuran	5.013	42	21097	24.429	ug/l	98
30) Chloroform	5.087	83	16449	5.054	ug/l	98
31) Cyclohexane	5.464	56	15705	5.076	ug/l	91
32) 1,1,1-Trichloroethane	5.379	97	13658	4.947	ug/l	98
36) 1,1-Dichloropropene	5.684	75	11835	4.981	ug/l	98
37) Ethyl Acetate	4.721	43	13530	5.122	ug/l	99
38) Carbon Tetrachloride	5.672	117	11797	5.066	ug/l	97
39) Methylcyclohexane	7.373	83	14472	4.711	ug/l	96
40) Benzene	6.038	78	37687	5.079	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044869.D
Acq On : 10 Feb 2025 10:48
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:36:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:33:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.928	41	6648	4.699 ug/l		96
42) 1,2-Dichloroethane	6.086	62	11789	4.985 ug/l		100
43) Isopropyl Acetate	6.342	43	19803	4.640 ug/l		99
44) Trichloroethene	7.123	130	8614	5.079 ug/l		95
45) 1,2-Dichloropropane	7.428	63	8976	4.863 ug/l		98
46) Dibromomethane	7.586	93	6210	4.851 ug/l		95
47) Bromodichloromethane	7.818	83	12173	4.911 ug/l		94
48) Methyl methacrylate	7.702	41	9298	4.620 ug/l		98
49) 1,4-Dioxane	7.678	88	4365	101.099 ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	65064	25.076 ug/l		100
52) Toluene	8.720	92	22090	4.999 ug/l		96
53) t-1,3-Dichloropropene	8.976	75	11413	4.550 ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	12943	4.628 ug/l	#	88
55) 1,1,2-Trichloroethane	9.153	97	8662	5.099 ug/l		98
56) Ethyl methacrylate	9.116	69	12351	4.502 ug/l		96
57) 1,3-Dichloropropane	9.305	76	14839	4.993 ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	31498	23.382 ug/l		99
59) 2-Hexanone	9.433	43	45538	24.359 ug/l		99
60) Dibromochloromethane	9.519	129	8668	4.771 ug/l		99
61) 1,2-Dibromoethane	9.610	107	8353	4.852 ug/l		96
64) Tetrachloroethene	9.269	164	6803	4.934 ug/l		95
65) Chlorobenzene	10.079	112	23903	5.090 ug/l		96
66) 1,1,1,2-Tetrachloroethane	10.159	131	7380	4.883 ug/l		97
67) Ethyl Benzene	10.189	91	40945	4.941 ug/l		97
68) m/p-Xylenes	10.299	106	30627	10.019 ug/l		100
69) o-Xylene	10.640	106	15761	5.139 ug/l		98
70) Styrene	10.653	104	24576	4.973 ug/l		99
71) Bromoform	10.799	173	5391	4.779 ug/l	#	97
73) Isopropylbenzene	10.957	105	38315	4.983 ug/l		100
74) N-amyl acetate	10.842	43	16653	4.786 ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	13394	5.069 ug/l		97
76) 1,2,3-Trichloropropane	11.238	75	11011m	5.201 ug/l		
77) Bromobenzene	11.195	156	8789	5.042 ug/l		97
78) n-propylbenzene	11.305	91	43923	4.949 ug/l		99
79) 2-Chlorotoluene	11.360	91	27311	5.007 ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	31761	5.090 ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	3303	4.013 ug/l		87
82) 4-Chlorotoluene	11.451	91	30138	4.994 ug/l		99
83) tert-Butylbenzene	11.713	119	31992	5.068 ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	31053	5.042 ug/l		98
85) sec-Butylbenzene	11.890	105	38437	4.917 ug/l		98
86) p-Isopropyltoluene	12.006	119	30835	4.905 ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	15935	4.971 ug/l		95
88) 1,4-Dichlorobenzene	12.036	146	16347	5.043 ug/l		95
89) n-Butylbenzene	12.329	91	25747	4.630 ug/l		97
90) Hexachloroethane	12.536	117	5620	4.775 ug/l		94
91) 1,2-Dichlorobenzene	12.335	146	16362	5.193 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2254	4.674 ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	8923	4.680 ug/l		99
94) Hexachlorobutadiene	13.719	225	3595	4.750 ug/l		99
95) Naphthalene	13.774	128	32776	4.756 ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	9093	4.733 ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044869.D
Acq On : 10 Feb 2025 10:48
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:36:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:33:20 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

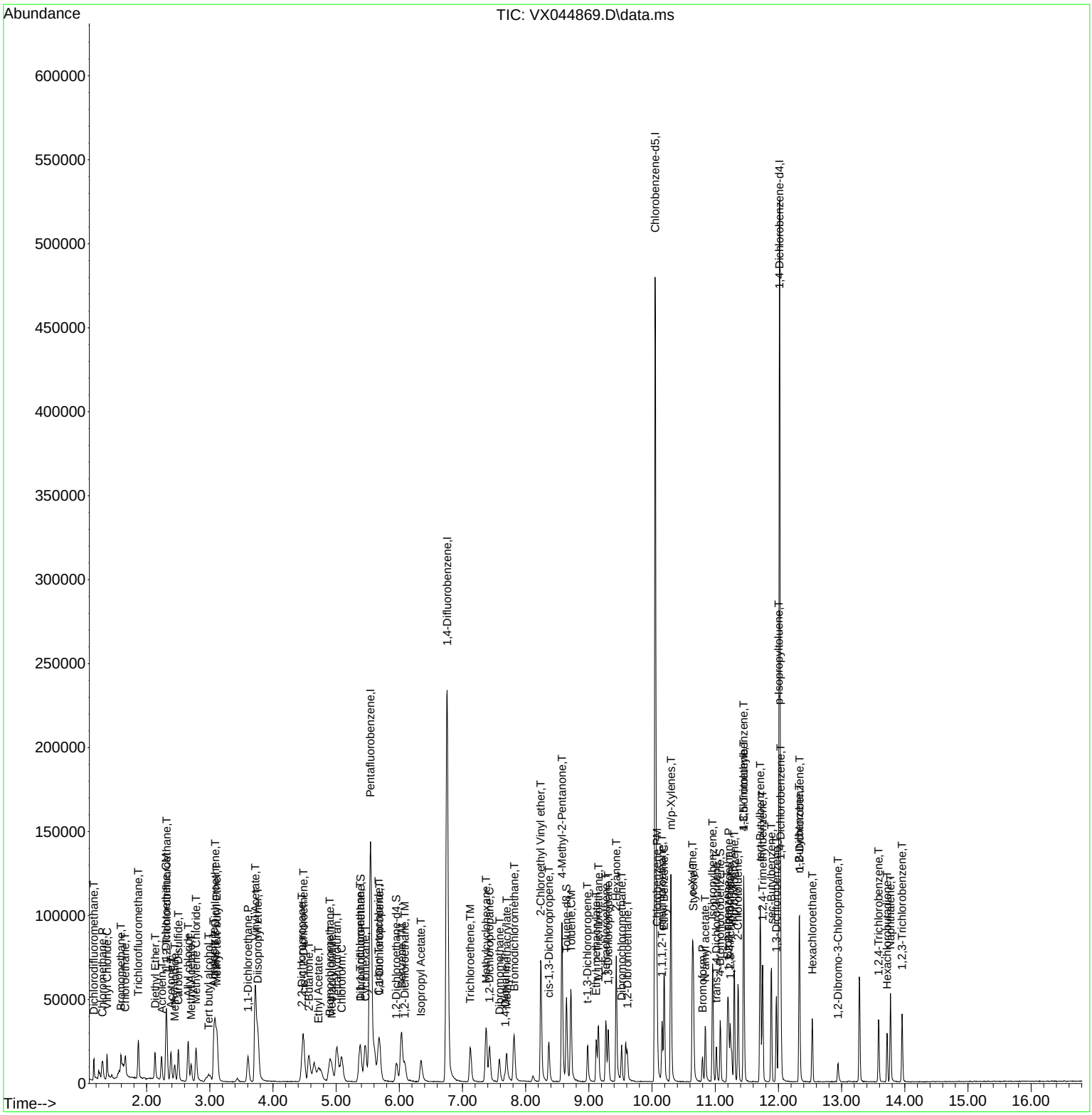
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044869.D
Acq On : 10 Feb 2025 10:48
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 11 03:36:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:33:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044870.D
Acq On : 10 Feb 2025 11:11
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 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	129532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	234445	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	207667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	92093	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	37195	19.616	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 39.240%#			
35) Dibromofluoromethane	5.379	113	30170	19.793	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 39.580%#			
50) Toluene-d8	8.647	98	117127	20.321	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 40.640%#			
62) 4-Bromofluorobenzene	11.079	95	38475	19.800	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 39.600%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	37123	20.434	ug/l	98
3) Chloromethane	1.301	50	44666	20.200	ug/l	95
4) Vinyl Chloride	1.374	62	43901	20.494	ug/l	99
5) Bromomethane	1.593	94	13057	20.369	ug/l	99
6) Chloroethane	1.660	64	14523	16.522	ug/l	94
7) Trichlorofluoromethane	1.868	101	56805	20.969	ug/l	98
8) Diethyl Ether	2.130	74	20699	21.069	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	34593	21.135	ug/l	99
10) Methyl Iodide	2.441	142	44749	21.096	ug/l	99
11) Tert butyl alcohol	2.989	59	35834	101.870	ug/l	100
12) 1,1-Dichloroethene	2.307	96	34270	20.526	ug/l	99
13) Acrolein	2.233	56	33914	93.445	ug/l	99
14) Allyl chloride	2.654	41	61485	20.377	ug/l	98
15) Acrylonitrile	3.063	53	98518	104.896	ug/l	98
16) Acetone	2.380	43	77078	101.119	ug/l	98
17) Carbon Disulfide	2.502	76	92552	20.216	ug/l	99
18) Methyl Acetate	2.703	43	47970	19.943	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	110377	20.779	ug/l	98
20) Methylene Chloride	2.782	84	38390	20.562	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	34064	20.730	ug/l	92
22) Diisopropyl ether	3.757	45	120300	21.074	ug/l	93
23) Vinyl Acetate	3.715	43	490239	105.341	ug/l	99
24) 1,1-Dichloroethane	3.599	63	66942	20.958	ug/l	99
25) 2-Butanone	4.556	43	130481	105.417	ug/l	96
26) 2,2-Dichloropropane	4.471	77	51803	20.451	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	42096	21.328	ug/l	97
28) Bromochloromethane	4.885	49	31474	20.504	ug/l	99
29) Tetrahydrofuran	5.001	42	86875	105.700	ug/l	99
30) Chloroform	5.087	83	65721	21.217	ug/l	98
31) Cyclohexane	5.458	56	60814	20.653	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	54450	20.724	ug/l	100
36) 1,1-Dichloropropene	5.684	75	45991	20.913	ug/l	99
37) Ethyl Acetate	4.715	43	51242	20.949	ug/l	99
38) Carbon Tetrachloride	5.666	117	44802	20.790	ug/l	99
39) Methylcyclohexane	7.373	83	62505	21.985	ug/l	98
40) Benzene	6.031	78	147912	21.540	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044870.D
Acq On : 10 Feb 2025 11:11
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 11 02:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	27347	20.887	ug/l		94
42) 1,2-Dichloroethane	6.086	62	47095	21.519	ug/l		100
43) Isopropyl Acetate	6.336	43	84306	21.343	ug/l		99
44) Trichloroethene	7.123	130	34390	21.910	ug/l		96
45) 1,2-Dichloropropane	7.428	63	36510	21.371	ug/l		99
46) Dibromomethane	7.574	93	25300	21.354	ug/l		99
47) Bromodichloromethane	7.818	83	48202	21.012	ug/l		97
48) Methyl methacrylate	7.690	41	39747	21.341	ug/l		100
49) 1,4-Dioxane	7.665	88	17153	429.262	ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	263394	109.684	ug/l		99
52) Toluene	8.714	92	89726	21.940	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	48613	20.940	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	55026	21.259	ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	33930	21.582	ug/l		98
56) Ethyl methacrylate	9.116	69	54674	21.533	ug/l		99
57) 1,3-Dichloropropane	9.305	76	60079	21.841	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	133072	106.736	ug/l		100
59) 2-Hexanone	9.427	43	190449	110.072	ug/l		98
60) Dibromochloromethane	9.519	129	35706	21.237	ug/l		99
61) 1,2-Dibromoethane	9.604	107	34463	21.628	ug/l		100
64) Tetrachloroethene	9.269	164	28519	21.776	ug/l		97
65) Chlorobenzene	10.073	112	94695	21.230	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	30344	21.136	ug/l		99
67) Ethyl Benzene	10.189	91	167865	21.327	ug/l		100
68) m/p-Xylenes	10.299	106	125271	43.144	ug/l		99
69) o-Xylene	10.640	106	62087	21.310	ug/l		97
70) Styrene	10.653	104	103740	22.101	ug/l		98
71) Bromoform	10.799	173	22592	21.086	ug/l	#	99
73) Isopropylbenzene	10.957	105	160147	21.597	ug/l		99
74) N-amyl acetate	10.842	43	70542	21.023	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	52967	20.787	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	42040m	20.589	ug/l		
77) Bromobenzene	11.195	156	36021	21.426	ug/l		97
78) n-propylbenzene	11.299	91	183212	21.406	ug/l		99
79) 2-Chlorotoluene	11.360	91	111782	21.250	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	130526	21.691	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	15375	19.370	ug/l		96
82) 4-Chlorotoluene	11.451	91	122303	21.016	ug/l		100
83) tert-Butylbenzene	11.713	119	130358	21.414	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	130211	21.924	ug/l		100
85) sec-Butylbenzene	11.890	105	162875	21.607	ug/l		100
86) p-Isopropyltoluene	12.006	119	130643	21.551	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	64141	20.747	ug/l		100
88) 1,4-Dichlorobenzene	12.037	146	64889	20.758	ug/l		98
89) n-Butylbenzene	12.329	91	113705	21.202	ug/l		100
90) Hexachloroethane	12.536	117	23153	20.398	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	64940	21.373	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	9873	21.230	ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	37308	20.292	ug/l		99
94) Hexachlorobutadiene	13.725	225	15312	20.979	ug/l		96
95) Naphthalene	13.774	128	142902	21.502	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	38389	20.722	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044870.D
Acq On : 10 Feb 2025 11:11
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 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 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

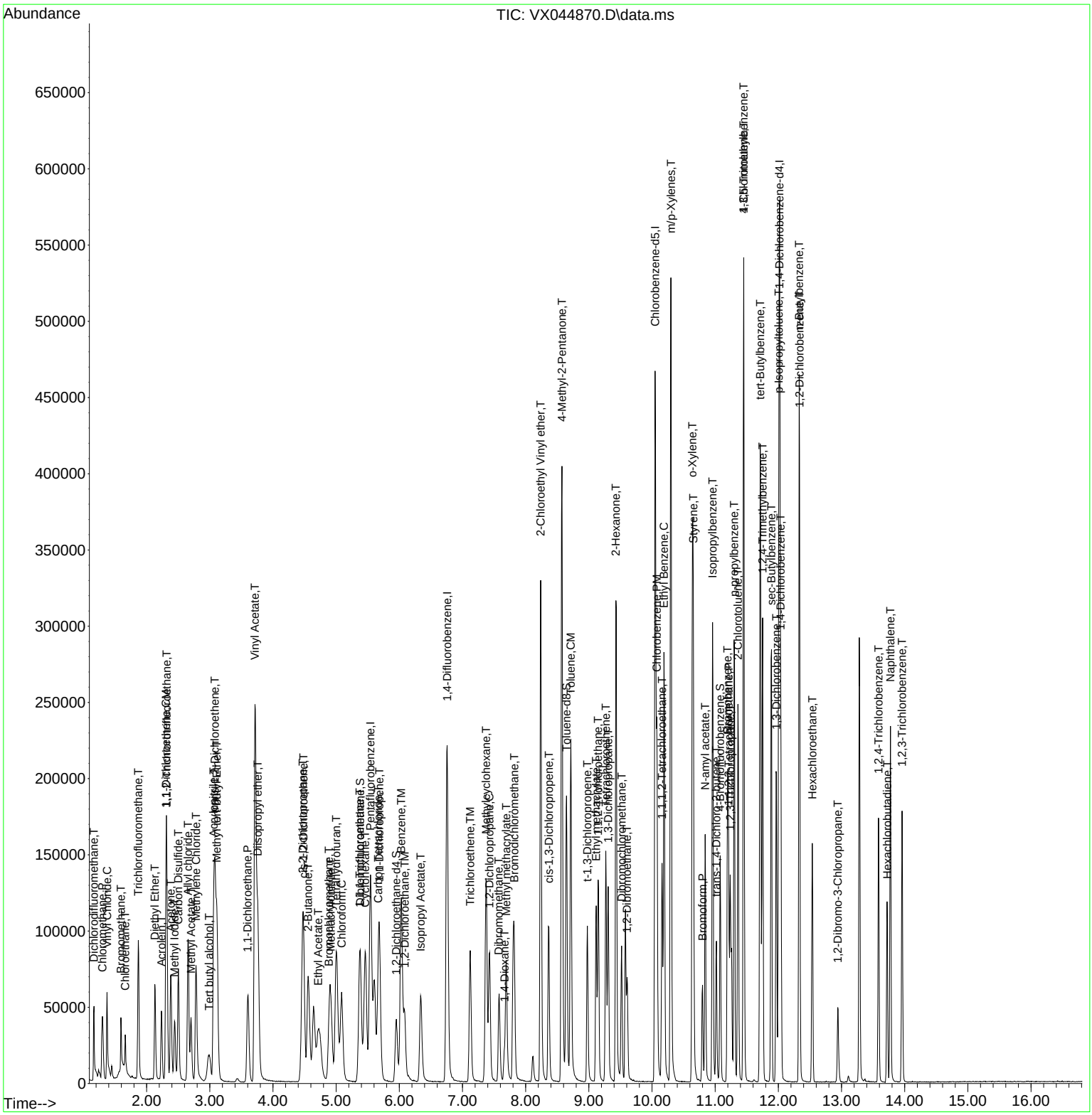
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044870.D
Acq On : 10 Feb 2025 11:11
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 11 02:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044871.D
Acq On : 10 Feb 2025 11:34
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 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:01:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	127984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	233736	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	204751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	92648	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	92593	49.424	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.840%			
35) Dibromofluoromethane	5.379	113	74906	49.291	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.580%			
50) Toluene-d8	8.646	98	289575	50.392	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.780%			
62) 4-Bromofluorobenzene	11.079	95	100798	52.031	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	89581	49.905	ug/l	100
3) Chloromethane	1.300	50	107836	49.359	ug/l	100
4) Vinyl Chloride	1.373	62	103354	48.832	ug/l	100
5) Bromomethane	1.593	94	31886	50.345	ug/l	100
6) Chloroethane	1.666	64	43657	55.583	ug/l	100
7) Trichlorofluoromethane	1.873	101	131729	49.215	ug/l	100
8) Diethyl Ether	2.129	74	48023	49.473	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.318	101	80068	49.511	ug/l	100
10) Methyl Iodide	2.446	142	108383	51.712	ug/l	100
11) Tert butyl alcohol	2.983	59	87254	251.049	ug/l	100
12) 1,1-Dichloroethene	2.312	96	80672	48.904	ug/l	100
13) Acrolein	2.233	56	90518	252.426	ug/l	100
14) Allyl chloride	2.660	41	148044	49.658	ug/l	100
15) Acrylonitrile	3.062	53	242268	261.074	ug/l	100
16) Acetone	2.379	43	187739	249.274	ug/l	100
17) Carbon Disulfide	2.501	76	225511	49.853	ug/l	100
18) Methyl Acetate	2.702	43	121039	50.928	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	261852	49.890	ug/l	100
20) Methylene Chloride	2.782	84	90038	48.808	ug/l	100
21) trans-1,2-Dichloroethene	3.086	96	81950	50.475	ug/l	100
22) Diisopropyl ether	3.757	45	287347	50.946	ug/l	100
23) Vinyl Acetate	3.714	43	1190152	258.830	ug/l	100
24) 1,1-Dichloroethane	3.605	63	157003	49.749	ug/l	100
25) 2-Butanone	4.556	43	323510	264.528	ug/l	100
26) 2,2-Dichloropropane	4.470	77	121901	48.707	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	96965	49.721	ug/l	100
28) Bromochloromethane	4.891	49	74707	49.258	ug/l	100
29) Tetrahydrofuran	5.001	42	210414	259.105	ug/l	100
30) Chloroform	5.086	83	149581	48.874	ug/l	100
31) Cyclohexane	5.464	56	143500	49.322	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	128561	49.523	ug/l	100
36) 1,1-Dichloropropene	5.690	75	108206	49.353	ug/l	100
37) Ethyl Acetate	4.708	43	123238	50.535	ug/l	100
38) Carbon Tetrachloride	5.671	117	105873	49.277	ug/l	100
39) Methylcyclohexane	7.372	83	145338	51.274	ug/l	100
40) Benzene	6.031	78	343557	50.182	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044871.D
Acq On : 10 Feb 2025 11:34
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 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:01:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.915	41	70572	54.065	ug/l		100
42) 1,2-Dichloroethane	6.080	62	110347	50.573	ug/l		100
43) Isopropyl Acetate	6.336	43	204703	51.981	ug/l		100
44) Trichloroethene	7.122	130	78274	50.020	ug/l		100
45) 1,2-Dichloropropane	7.427	63	85733	50.335	ug/l		100
46) Dibromomethane	7.573	93	59625	50.479	ug/l		100
47) Bromodichloromethane	7.817	83	116892	51.108	ug/l		100
48) Methyl methacrylate	7.689	41	98519	53.057	ug/l		100
49) 1,4-Dioxane	7.659	88	42094	1056.618	ug/l		100
51) 4-Methyl-2-Pentanone	8.573	43	647283	270.364	ug/l		100
52) Toluene	8.714	92	210007	51.507	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	120125	51.902	ug/l		100
54) cis-1,3-Dichloropropene	8.360	75	134763	52.223	ug/l		100
55) 1,1,2-Trichloroethane	9.146	97	79741	50.876	ug/l		100
56) Ethyl methacrylate	9.116	69	134975	53.319	ug/l		100
57) 1,3-Dichloropropane	9.305	76	141335	51.537	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	336412	270.652	ug/l		100
59) 2-Hexanone	9.427	43	472301	273.800	ug/l		100
60) Dibromochloromethane	9.518	129	87240	52.045	ug/l		100
61) 1,2-Dibromoethane	9.604	107	81915	51.564	ug/l		100
64) Tetrachloroethene	9.268	164	63537	49.206	ug/l		100
65) Chlorobenzene	10.079	112	224306	51.005	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.158	131	72478	51.203	ug/l		100
67) Ethyl Benzene	10.189	91	396269	51.061	ug/l		100
68) m/p-Xylenes	10.299	106	296507	103.573	ug/l		100
69) o-Xylene	10.640	106	144802	50.409	ug/l		100
70) Styrene	10.652	104	245518	53.051	ug/l		100
71) Bromoform	10.799	173	57417	54.352	ug/l	#	100
73) Isopropylbenzene	10.957	105	374776	50.239	ug/l		100
74) N-amyl acetate	10.841	43	176174	52.189	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	126542	49.364	ug/l		100
76) 1,2,3-Trichloropropane	11.237	75	102508m	49.903	ug/l		
77) Bromobenzene	11.195	156	84448	49.931	ug/l		100
78) n-propylbenzene	11.298	91	437572	50.818	ug/l		100
79) 2-Chlorotoluene	11.359	91	263269	49.749	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	307465	50.789	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	40487	50.701	ug/l		100
82) 4-Chlorotoluene	11.451	91	295844	50.531	ug/l		100
83) tert-Butylbenzene	11.713	119	306830	50.102	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	311205	52.085	ug/l		100
85) sec-Butylbenzene	11.890	105	384155	50.657	ug/l		100
86) p-Isopropyltoluene	12.006	119	315226	51.689	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	155575	50.021	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	156162	49.657	ug/l		100
89) n-Butylbenzene	12.329	91	287649	53.315	ug/l		100
90) Hexachloroethane	12.536	117	56951	49.874	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	154364	50.500	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	23924	51.135	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	93863	50.747	ug/l		100
94) Hexachlorobutadiene	13.725	225	35481	48.321	ug/l		100
95) Naphthalene	13.774	128	347645	51.995	ug/l		100
96) 1,2,3-Trichlorobenzene	13.956	180	95510	51.245	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044871.D
Acq On : 10 Feb 2025 11:34
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 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:01:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 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

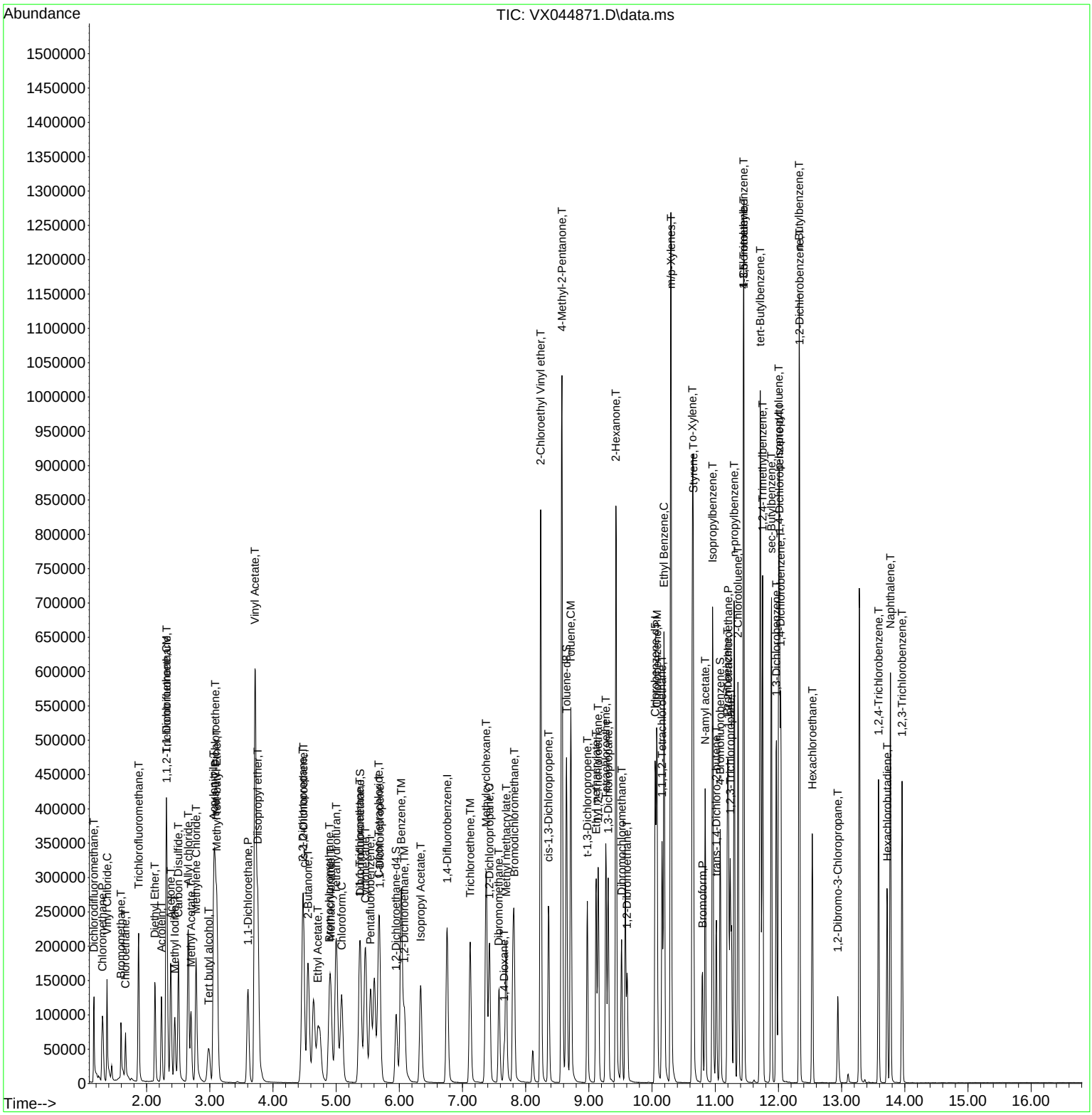
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044871.D
Acq On : 10 Feb 2025 11:34
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 11 02:01:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044872.D
Acq On : 10 Feb 2025 12:05
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 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	129508	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	236372	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	203881	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	91371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	183093	96.580	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 193.160%#			
35) Dibromofluoromethane	5.373	113	151228	98.404	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 196.800%#			
50) Toluene-d8	8.647	98	570976	98.253	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 196.500%#			
62) 4-Bromofluorobenzene	11.079	95	196066	100.079	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 200.160%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	182788	100.632	ug/l	99
3) Chloromethane	1.301	50	208416	94.275	ug/l	99
4) Vinyl Chloride	1.374	62	209017	97.593	ug/l	100
5) Bromomethane	1.593	94	62797	97.984	ug/l	97
6) Chloroethane	1.660	64	64581	100.253	ug/l	98
7) Trichlorofluoromethane	1.868	101	262354	96.865	ug/l	99
8) Diethyl Ether	2.130	74	95914	97.647	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	163414	99.860	ug/l	100
10) Methyl Iodide	2.441	142	212118	100.016	ug/l	99
11) Tert butyl alcohol	3.002	59	165263	469.903	ug/l #	73
12) 1,1-Dichloroethene	2.307	96	163593	98.004	ug/l	98
13) Acrolein	2.233	56	180570	497.628	ug/l	99
14) Allyl chloride	2.654	41	297526	98.624	ug/l	98
15) Acrylonitrile	3.063	53	466855	497.173	ug/l	99
16) Acetone	2.386	43	369720	485.125	ug/l	99
17) Carbon Disulfide	2.502	76	463308	101.216	ug/l	99
18) Methyl Acetate	2.703	43	238689	99.249	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	521003	98.098	ug/l	100
20) Methylene Chloride	2.782	84	180120	96.490	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	164067	99.864	ug/l	95
22) Diisopropyl ether	3.758	45	565927	99.157	ug/l	95
23) Vinyl Acetate	3.715	43	2387200	513.051	ug/l	100
24) 1,1-Dichloroethane	3.599	63	313164	98.064	ug/l	99
25) 2-Butanone	4.550	43	617283	498.801	ug/l	98
26) 2,2-Dichloropropane	4.465	77	248324	98.053	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	196381	99.513	ug/l	99
28) Bromochloromethane	4.885	49	148137	96.524	ug/l	100
29) Tetrahydrofuran	4.995	42	405208	493.104	ug/l	100
30) Chloroform	5.087	83	298690	96.445	ug/l	99
31) Cyclohexane	5.458	56	286830	97.426	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	254941	97.050	ug/l	100
36) 1,1-Dichloropropene	5.684	75	216005	97.422	ug/l	100
37) Ethyl Acetate	4.709	43	244164	99.005	ug/l	99
38) Carbon Tetrachloride	5.666	117	210381	96.828	ug/l	97
39) Methylcyclohexane	7.373	83	299703	104.554	ug/l	98
40) Benzene	6.025	78	675556	97.576	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044872.D
Acq On : 10 Feb 2025 12:05
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 11 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.910	41	135629	102.745 ug/l		99
42) 1,2-Dichloroethane	6.080	62	218174	98.875 ug/l		100
43) Isopropyl Acetate	6.336	43	405489	101.818 ug/l		100
44) Trichloroethene	7.117	130	156832	99.103 ug/l		96
45) 1,2-Dichloropropane	7.422	63	170337	98.893 ug/l		97
46) Dibromomethane	7.574	93	119149	99.747 ug/l		100
47) Bromodichloromethane	7.818	83	236506	102.254 ug/l		97
48) Methyl methacrylate	7.690	41	195892	104.321 ug/l		100
49) 1,4-Dioxane	7.659	88	77816	1931.508 ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	1196887	494.353 ug/l		100
52) Toluene	8.714	92	409318	99.270 ug/l		99
53) t-1,3-Dichloropropene	8.970	75	249725	106.694 ug/l		98
54) cis-1,3-Dichloropropene	8.360	75	277371	106.287 ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	156629	98.817 ug/l		100
56) Ethyl methacrylate	9.116	69	268693	104.958 ug/l		99
57) 1,3-Dichloropropane	9.305	76	273845	98.742 ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	664198	528.405 ug/l		100
59) 2-Hexanone	9.427	43	871904	499.819 ug/l		99
60) Dibromochloromethane	9.519	129	173848	102.557 ug/l		100
61) 1,2-Dibromoethane	9.604	107	162982	101.451 ug/l		98
64) Tetrachloroethene	9.269	164	125294	97.447 ug/l		100
65) Chlorobenzene	10.073	112	436565	99.694 ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	144793	102.728 ug/l		100
67) Ethyl Benzene	10.189	91	784184	101.477 ug/l		100
68) m/p-Xylenes	10.299	106	575559	201.907 ug/l		99
69) o-Xylene	10.640	106	281830	98.530 ug/l		100
70) Styrene	10.653	104	473403	102.728 ug/l		99
71) Bromoform	10.799	173	112371	106.827 ug/l	#	99
73) Isopropylbenzene	10.957	105	719923	97.854 ug/l		99
74) N-amyl acetate	10.842	43	345193	103.687 ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	238529	94.351 ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	198320m	97.896 ug/l		
77) Bromobenzene	11.195	156	163845	98.230 ug/l		100
78) n-propylbenzene	11.299	91	858793	101.132 ug/l		100
79) 2-Chlorotoluene	11.360	91	497149	95.257 ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	584885	97.966 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	83483	106.006 ug/l		98
82) 4-Chlorotoluene	11.451	91	569510	98.634 ug/l		100
83) tert-Butylbenzene	11.713	119	591396	97.917 ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	588385	99.851 ug/l		99
85) sec-Butylbenzene	11.890	105	749534	100.219 ug/l		99
86) p-Isopropyltoluene	12.006	119	607577	101.019 ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	303851	99.061 ug/l		98
88) 1,4-Dichlorobenzene	12.037	146	303417	97.830 ug/l		99
89) n-Butylbenzene	12.329	91	583634	109.686 ug/l		100
90) Hexachloroethane	12.536	117	117533	104.365 ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	293151	97.244 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	47745	103.477 ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	193214	105.921 ug/l		99
94) Hexachlorobutadiene	13.725	225	74605	103.024 ug/l		99
95) Naphthalene	13.774	128	689104	104.505 ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	190534	103.659 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044872.D
Acq On : 10 Feb 2025 12:05
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 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 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

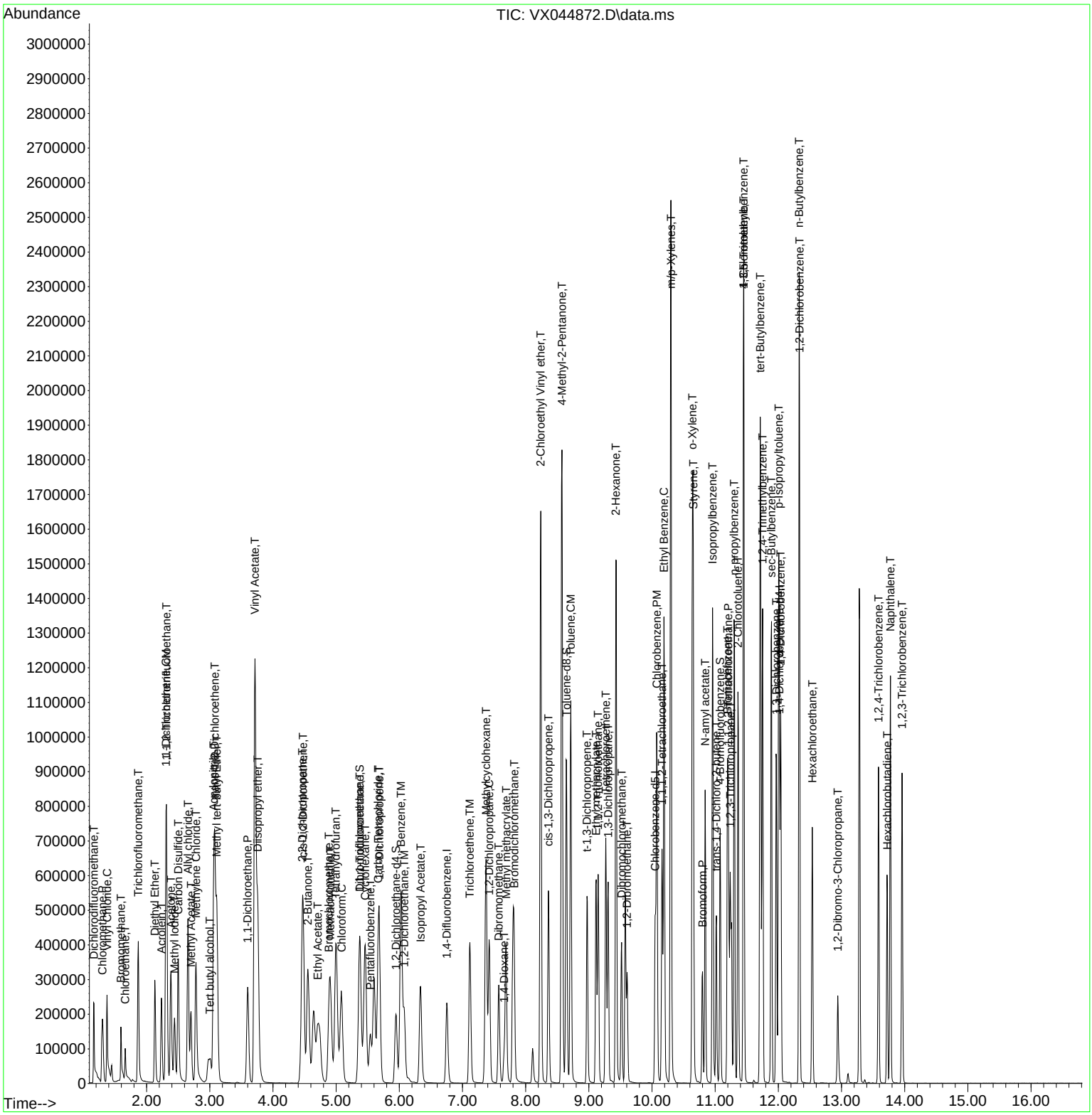
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044872.D
Acq On : 10 Feb 2025 12:05
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 11 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044873.D
Acq On : 10 Feb 2025 12:28
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 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	5.544	168	125253	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	232597	50.000 ug/l	0.00
63) Chlorobenzene-d5	10.049	117	196663	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	84836	50.000 ug/l	# 0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	5.946	65	280853	153.180 ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 306.360%#		
35) Dibromofluoromethane	5.379	113	229218	151.572 ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 303.140%#		
50) Toluene-d8	8.647	98	845632	147.877 ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 295.760%#		
62) 4-Bromofluorobenzene	11.079	95	287486	149.124 ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 298.240%#		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.166	85	260576	148.330 ug/l	96
3) Chloromethane	1.307	50	297968	139.361 ug/l	100
4) Vinyl Chloride	1.374	62	305986	147.723 ug/l	99
5) Bromomethane	1.593	94	92399	149.071 ug/l	96
6) Chloroethane	1.660	64	67889	130.289 ug/l	97
7) Trichlorofluoromethane	1.867	101	378664	144.558 ug/l	99
8) Diethyl Ether	2.136	74	140428	147.822 ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	239215	151.147 ug/l	100
10) Methyl Iodide	2.441	142	305390	148.887 ug/l	100
11) Tert butyl alcohol	3.020	59	242430	712.734 ug/l	100
12) 1,1-Dichloroethene	2.306	96	246987	152.989 ug/l	99
13) Acrolein	2.239	56	273178	778.418 ug/l	100
14) Allyl chloride	2.654	41	438493	150.289 ug/l	97
15) Acrylonitrile	3.068	53	684234	753.423 ug/l	99
16) Acetone	2.386	43	547939	743.398 ug/l	99
17) Carbon Disulfide	2.502	76	693558	156.665 ug/l	100
18) Methyl Acetate	2.703	43	373877	160.743 ug/l	100
19) Methyl tert-butyl Ether	3.117	73	792810	154.347 ug/l	100
20) Methylene Chloride	2.782	84	270575	149.871 ug/l	100
21) trans-1,2-Dichloroethene	3.081	96	242082	152.356 ug/l	93
22) Diisopropyl ether	3.757	45	839126	152.020 ug/l	98
23) Vinyl Acetate	3.721	43	3555031	789.993 ug/l	100
24) 1,1-Dichloroethane	3.605	63	472424	152.959 ug/l	99
25) 2-Butanone	4.556	43	914741	764.276 ug/l	98
26) 2,2-Dichloropropane	4.471	77	382167	156.029 ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	292864	153.446 ug/l	99
28) Bromochloromethane	4.891	49	217387	146.458 ug/l	98
29) Tetrahydrofuran	5.001	42	596045	749.977 ug/l	99
30) Chloroform	5.086	83	453809	151.509 ug/l	99
31) Cyclohexane	5.458	56	423464	148.722 ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	386162	151.996 ug/l	99
36) 1,1-Dichloropropene	5.684	75	324182	148.585 ug/l	100
37) Ethyl Acetate	4.715	43	368763	151.956 ug/l	99
38) Carbon Tetrachloride	5.672	117	320536	149.921 ug/l	98
39) Methylcyclohexane	7.373	83	443218	157.130 ug/l	99
40) Benzene	6.031	78	1014129	148.856 ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044873.D
Acq On : 10 Feb 2025 12:28
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 11 02:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	206155	158.707	ug/l		100
42) 1,2-Dichloroethane	6.080	62	336520	154.984	ug/l		99
43) Isopropyl Acetate	6.336	43	617516	157.575	ug/l		99
44) Trichloroethene	7.117	130	239030	153.496	ug/l		99
45) 1,2-Dichloropropane	7.427	63	259454	153.076	ug/l		100
46) Dibromomethane	7.574	93	179689	152.870	ug/l		99
47) Bromodichloromethane	7.818	83	357623	157.128	ug/l		98
48) Methyl methacrylate	7.690	41	297931	161.236	ug/l		99
49) 1,4-Dioxane	7.665	88	106175	2678.192	ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	1736538	728.887	ug/l		100
52) Toluene	8.714	92	603113	148.645	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	378639	164.398	ug/l		100
54) cis-1,3-Dichloropropene	8.360	75	417724	162.667	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	229548	147.172	ug/l		98
56) Ethyl methacrylate	9.116	69	398535	158.205	ug/l		99
57) 1,3-Dichloropropane	9.305	76	403665	147.915	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	982120	794.010	ug/l		100
59) 2-Hexanone	9.433	43	1264470	736.622	ug/l		99
60) Dibromochloromethane	9.519	129	258320	154.862	ug/l		99
61) 1,2-Dibromoethane	9.604	107	240539	152.157	ug/l		99
64) Tetrachloroethene	9.269	164	184990	149.155	ug/l		96
65) Chlorobenzene	10.073	112	634550	150.224	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	212441	156.255	ug/l		99
67) Ethyl Benzene	10.189	91	1137842	152.647	ug/l		100
68) m/p-Xylenes	10.299	106	818971	297.841	ug/l		98
69) o-Xylene	10.640	106	401928	145.674	ug/l		99
70) Styrene	10.653	104	671843	151.140	ug/l		98
71) Bromoform	10.799	173	169481	167.033	ug/l	#	98
73) Isopropylbenzene	10.957	105	1037402	151.869	ug/l		99
74) N-amyl acetate	10.841	43	521962	168.861	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	346013	147.409	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	284934m	151.485	ug/l		
77) Bromobenzene	11.195	156	234957	151.715	ug/l		99
78) n-propylbenzene	11.305	91	1231079	156.140	ug/l		99
79) 2-Chlorotoluene	11.360	91	717766	148.123	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	822707	148.415	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	126660	173.221	ug/l		98
82) 4-Chlorotoluene	11.451	91	818099	152.602	ug/l		99
83) tert-Butylbenzene	11.713	119	838979	149.610	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	838584	153.274	ug/l		99
85) sec-Butylbenzene	11.890	105	1061101	152.806	ug/l		100
86) p-Isopropyltoluene	12.006	119	865491	154.987	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	433384	152.175	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	432987	150.362	ug/l		100
89) n-Butylbenzene	12.329	91	827359	167.469	ug/l		100
90) Hexachloroethane	12.536	117	175414	167.760	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	417167	149.042	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	73593	171.783	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	283004	167.095	ug/l		98
94) Hexachlorobutadiene	13.725	225	104674	155.682	ug/l		97
95) Naphthalene	13.774	128	1015801	165.916	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	282289	165.408	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044873.D
Acq On : 10 Feb 2025 12:28
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 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 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

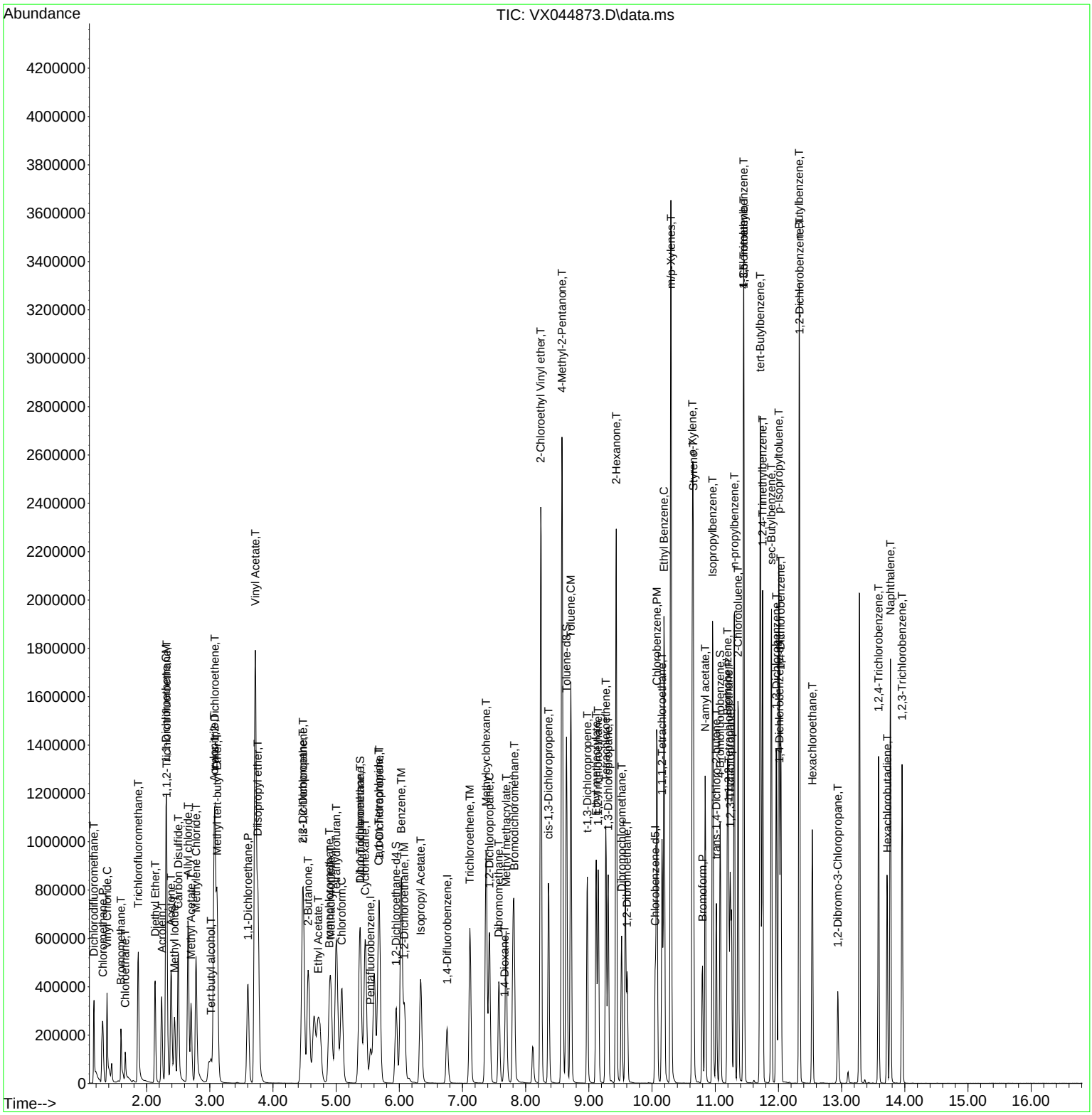
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044873.D
Acq On : 10 Feb 2025 12:28
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 11 02:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	135936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	245098	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	213248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	97087	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	95635	48.061	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.120%			
35) Dibromofluoromethane	5.379	113	78360	49.173	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.340%			
50) Toluene-d8	8.647	98	299178	49.649	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.300%			
62) 4-Bromofluorobenzene	11.079	95	105201	51.786	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.580%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	93752	49.173	ug/l	99
3) Chloromethane	1.300	50	110431	47.590	ug/l	98
4) Vinyl Chloride	1.374	62	105730	47.033	ug/l	100
5) Bromomethane	1.593	94	31428	46.719	ug/l	97
6) Chloroethane	1.660	64	37913	42.198	ug/l	99
7) Trichlorofluoromethane	1.867	101	138044	48.558	ug/l	97
8) Diethyl Ether	2.130	74	49018	47.544	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	86892	50.588	ug/l	98
10) Methyl Iodide	2.447	142	111488	50.082	ug/l	100
11) Tert butyl alcohol	2.983	59	92949	251.791	ug/l	100
12) 1,1-Dichloroethene	2.306	96	83987	47.935	ug/l	95
13) Acrolein	2.233	56	91744	240.879	ug/l	98
14) Allyl chloride	2.654	41	155084	48.976	ug/l	99
15) Acrylonitrile	3.062	53	247921	251.537	ug/l	99
16) Acetone	2.379	43	205743	257.198	ug/l	98
17) Carbon Disulfide	2.501	76	237694	49.472	ug/l	100
18) Methyl Acetate	2.703	43	126015	49.920	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	275685	49.453	ug/l	99
20) Methylene Chloride	2.782	84	94006	47.978	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	84720	49.129	ug/l	98
22) Diisopropyl ether	3.757	45	300357	50.138	ug/l	98
23) Vinyl Acetate	3.715	43	1257431	257.465	ug/l	100
24) 1,1-Dichloroethane	3.599	63	165351	49.329	ug/l	99
25) 2-Butanone	4.556	43	335358	258.175	ug/l	97
26) 2,2-Dichloropropane	4.464	77	133670	50.285	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	102518	49.493	ug/l	99
28) Bromochloromethane	4.891	49	72893	45.250	ug/l	99
29) Tetrahydrofuran	5.001	42	218496	253.318	ug/l	100
30) Chloroform	5.086	83	157312	48.393	ug/l	98
31) Cyclohexane	5.458	56	152073	49.211	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	134626	48.825	ug/l	100
36) 1,1-Dichloropropene	5.684	75	111968	48.702	ug/l	99
37) Ethyl Acetate	4.708	43	126071	49.300	ug/l	99
38) Carbon Tetrachloride	5.672	117	110581	49.083	ug/l	97
39) Methylcyclohexane	7.372	83	158289	53.254	ug/l	98
40) Benzene	6.031	78	358365	49.919	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	73559	53.741	ug/l		99
42) 1,2-Dichloroethane	6.080	62	115339	50.410	ug/l		100
43) Isopropyl Acetate	6.336	43	213901	51.798	ug/l		100
44) Trichloroethene	7.116	130	81911	49.917	ug/l		99
45) 1,2-Dichloropropane	7.427	63	89992	50.387	ug/l		98
46) Dibromomethane	7.580	93	61360	49.540	ug/l		99
47) Bromodichloromethane	7.818	83	122265	50.980	ug/l		99
48) Methyl methacrylate	7.690	41	102900	52.848	ug/l		99
49) 1,4-Dioxane	7.659	88	42658	1021.138	ug/l		98
51) 4-Methyl-2-Pentanone	8.573	43	665564	265.112	ug/l		100
52) Toluene	8.714	92	216682	50.680	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	130405	53.731	ug/l		97
54) cis-1,3-Dichloropropene	8.360	75	143379	52.986	ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	83510	50.811	ug/l		100
56) Ethyl methacrylate	9.116	69	143524	54.068	ug/l		99
57) 1,3-Dichloropropane	9.305	76	146236	50.852	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	370622	284.352	ug/l		99
59) 2-Hexanone	9.427	43	488298	269.951	ug/l		99
60) Dibromochloromethane	9.518	129	90826	51.673	ug/l		99
61) 1,2-Dibromoethane	9.604	107	85683	51.436	ug/l		100
64) Tetrachloroethene	9.268	164	66468	49.424	ug/l		98
65) Chlorobenzene	10.079	112	233373	50.952	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	75488	51.205	ug/l		98
67) Ethyl Benzene	10.189	91	415575	51.415	ug/l		99
68) m/p-Xylenes	10.299	106	310925	104.282	ug/l		100
69) o-Xylene	10.640	106	151995	50.804	ug/l		100
70) Styrene	10.652	104	257972	53.521	ug/l		100
71) Bromoform	10.799	173	59409	53.997	ug/l	#	100
73) Isopropylbenzene	10.957	105	390246	49.921	ug/l		100
74) N-amyl acetate	10.841	43	186145	52.621	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	129829	48.331	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	106893m	49.659	ug/l		
77) Bromobenzene	11.195	156	88129	49.725	ug/l		100
78) n-propylbenzene	11.299	91	463655	51.386	ug/l		99
79) 2-Chlorotoluene	11.360	91	272091	49.065	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	323251	50.956	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	44070	52.665	ug/l		99
82) 4-Chlorotoluene	11.451	91	312112	50.872	ug/l		100
83) tert-Butylbenzene	11.713	119	321772	50.139	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	323035	51.593	ug/l		100
85) sec-Butylbenzene	11.890	105	410197	51.617	ug/l		100
86) p-Isopropyltoluene	12.006	119	336027	52.581	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	164508	50.475	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	163203	49.526	ug/l		100
89) n-Butylbenzene	12.329	91	311764	55.142	ug/l		100
90) Hexachloroethane	12.536	117	61016	50.990	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	161590	50.447	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	25339	51.684	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	102197	52.726	ug/l		99
94) Hexachlorobutadiene	13.719	225	38998	50.683	ug/l		98
95) Naphthalene	13.774	128	371576	53.033	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	100730	51.575	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

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

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

ICAL Form

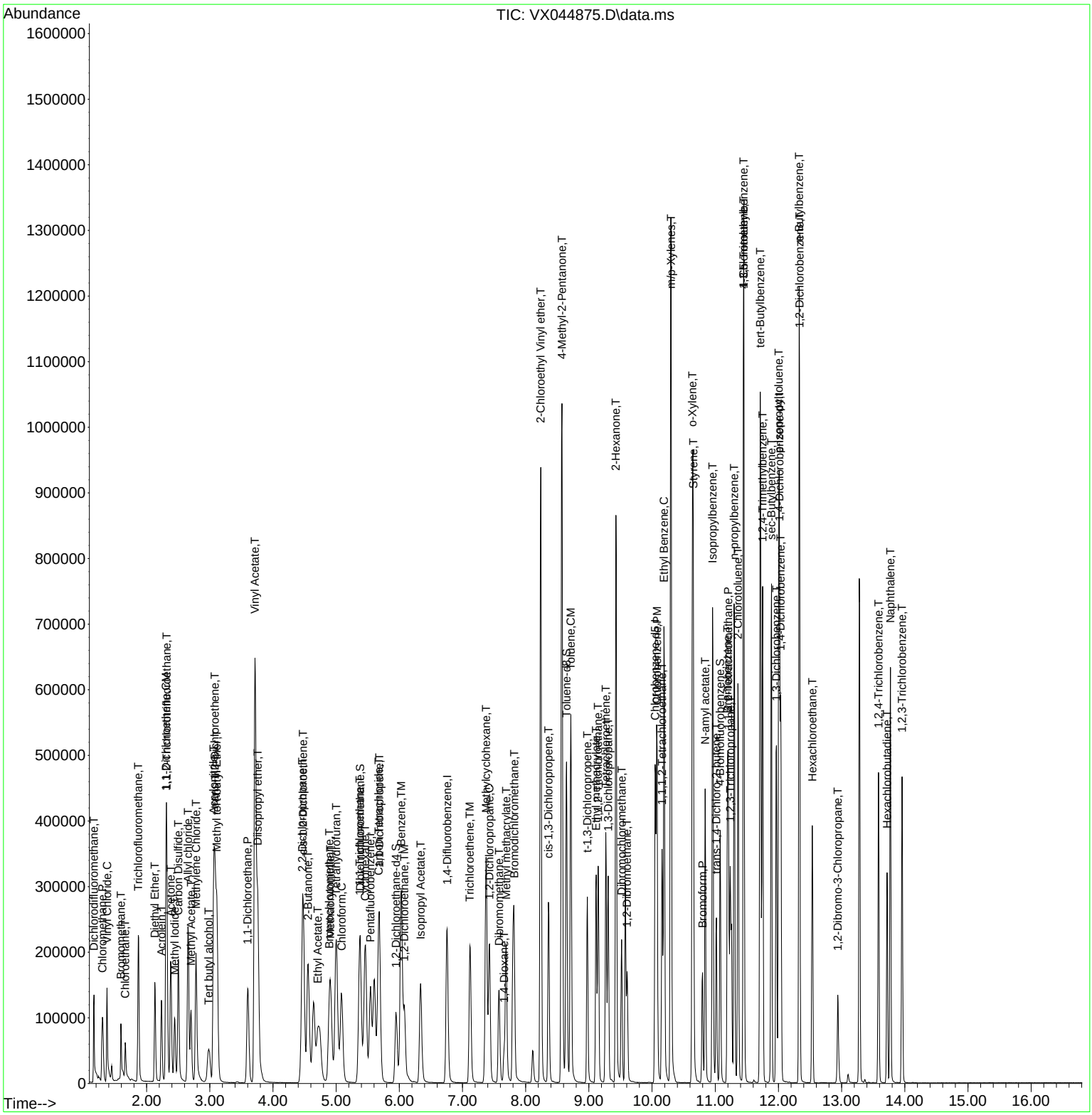
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	106	0.00
2	T	Dichlorodifluoromethane	0.701	0.690	1.6	105	0.00
3	P	Chloromethane	0.854	0.812	4.9	102	0.00
4	C	Vinyl Chloride	0.827	0.778	5.9#	102	0.00
5	T	Bromomethane	0.247	0.231	6.5	99	0.00
6	T	Chloroethane	0.307	0.279	9.1	87	0.00
7	T	Trichlorofluoromethane	1.046	1.016	2.9	105	0.00
8	T	Diethyl Ether	0.379	0.361	4.7	102	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.632	0.639	-1.1	109	0.00
10	T	Methyl Iodide	0.819	0.820	-0.1	103	0.00
11	T	Tert butyl alcohol	0.136	0.137	-0.7	107	0.00
12	CM	1,1-Dichloroethene	0.644	0.618	4.0#	104	0.00
13	T	Acrolein	0.140	0.135	3.6	101	0.00
14	T	Allyl chloride	1.165	1.141	2.1	105	0.00
15	T	Acrylonitrile	0.363	0.365	-0.6	102	0.00
16	T	Acetone	0.294	0.303	-3.1	110	0.00
17	T	Carbon Disulfide	1.767	1.749	1.0	105	0.00
18	T	Methyl Acetate	0.928	0.927	0.1	104	0.00
19	T	Methyl tert-butyl Ether	2.050	2.028	1.1	105	0.00
20	T	Methylene Chloride	0.721	0.692	4.0	104	0.00
21	T	trans-1,2-Dichloroethene	0.634	0.623	1.7	103	0.00
22	T	Diisopropyl ether	2.203	2.210	-0.3	105	0.00
23	T	Vinyl Acetate	1.796	1.850	-3.0	106	0.00
24	P	1,1-Dichloroethane	1.233	1.216	1.4	105	0.00
25	T	2-Butanone	0.478	0.493	-3.1	104	0.00
26	T	2,2-Dichloropropane	0.978	0.983	-0.5	110	0.00
27	T	cis-1,2-Dichloroethene	0.762	0.754	1.0	106	0.00
28	T	Bromochloromethane	0.593	0.536	9.6	98	0.00
29	T	Tetrahydrofuran	0.317	0.321	-1.3	104	0.00
30	C	Chloroform	1.196	1.157	3.3#	105	0.00
31	T	Cyclohexane	1.137	1.119	1.6	106	0.00
32	T	1,1,1-Trichloroethane	1.014	0.990	2.4	105	0.00
33	S	1,2-Dichloroethane-d4	0.732	0.704	3.8	103	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35	S	Dibromofluoromethane	0.325	0.320	1.5	105	0.00
36	T	1,1-Dichloropropene	0.469	0.457	2.6	103	0.00
37	T	Ethyl Acetate	0.522	0.514	1.5	102	0.00
38	T	Carbon Tetrachloride	0.460	0.451	2.0	104	0.00
39	T	Methylcyclohexane	0.606	0.646	-6.6	109	0.00
40	TM	Benzene	1.465	1.462	0.2	104	0.00
41	T	Methacrylonitrile	0.279	0.300	-7.5	104	0.00
42	TM	1,2-Dichloroethane	0.467	0.471	-0.9	105	0.00
43	T	Isopropyl Acetate	0.842	0.873	-3.7	104	0.00
44	TM	Trichloroethene	0.335	0.334	0.3	105	0.00
45	C	1,2-Dichloropropane	0.364	0.367	-0.8#	105	0.00
46	T	Dibromomethane	0.253	0.250	1.2	103	0.00
47	T	Bromodichloromethane	0.489	0.499	-2.0	105	0.00
48	T	Methyl methacrylate	0.397	0.420	-5.8	104	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.009	0.009	0.0	101	0.00
50	S	Toluene-d8	1.229	1.221	0.7	103	0.00
51	T	4-Methyl-2-Pentanone	0.512	0.543	-6.1	103	0.00
52	CM	Toluene	0.872	0.884	-1.4#	103	0.00
53	T	t-1,3-Dichloropropene	0.495	0.532	-7.5	109	0.00
54	T	cis-1,3-Dichloropropene	0.552	0.585	-6.0	106	0.00
55	T	1,1,2-Trichloroethane	0.335	0.341	-1.8	105	0.00
56	T	Ethyl methacrylate	0.542	0.586	-8.1	106	0.00
57	T	1,3-Dichloropropane	0.587	0.597	-1.7	103	0.00
58	T	2-Chloroethyl Vinyl ether	0.266	0.302	-13.5	110	0.00
59	T	2-Hexanone	0.369	0.398	-7.9	103	0.00
60	T	Dibromochloromethane	0.359	0.371	-3.3	104	0.00
61	T	1,2-Dibromoethane	0.340	0.350	-2.9	105	0.00
62	S	4-Bromofluorobenzene	0.414	0.429	-3.6	104	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64	T	Tetrachloroethene	0.315	0.312	1.0	105	0.00
65	PM	Chlorobenzene	1.074	1.094	-1.9	104	0.00
66	T	1,1,1,2-Tetrachloroethane	0.346	0.354	-2.3	104	0.00
67	C	Ethyl Benzene	1.895	1.949	-2.8#	105	0.00
68	T	m/p-Xylenes	0.699	0.729	-4.3	105	0.00
69	T	o-Xylene	0.701	0.713	-1.7	105	0.00
70	T	Styrene	1.130	1.210	-7.1	105	0.00
71	P	Bromoform	0.258	0.279	-8.1	103	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
73	T	Isopropylbenzene	4.026	4.020	0.1	104	0.00
74	T	N-amyl acetate	1.822	1.917	-5.2	106	0.00
75	P	1,1,2,2-Tetrachloroethane	1.383	1.337	3.3	103	0.00
76	T	1,2,3-Trichloropropane	1.109	1.101	0.7	104	0.00
77	T	Bromobenzene	0.913	0.908	0.5	104	0.00
78	T	n-propylbenzene	4.647	4.776	-2.8	106	0.00
79	T	2-Chlorotoluene	2.856	2.803	1.9	103	0.00
80	T	1,3,5-Trimethylbenzene	3.267	3.329	-1.9	105	0.00
81	T	trans-1,4-Dichloro-2-butene	0.431	0.454	-5.3	109	0.00
82	T	4-Chlorotoluene	3.160	3.215	-1.7	105	0.00
83	T	tert-Butylbenzene	3.305	3.314	-0.3	105	0.00
84	T	1,2,4-Trimethylbenzene	3.225	3.327	-3.2	104	0.00
85	T	sec-Butylbenzene	4.093	4.225	-3.2	107	0.00
86	T	p-Isopropyltoluene	3.291	3.461	-5.2	107	0.00
87	T	1,3-Dichlorobenzene	1.678	1.694	-1.0	106	0.00
88	T	1,4-Dichlorobenzene	1.697	1.681	0.9	105	0.00
89	T	n-Butylbenzene	2.912	3.211	-10.3	108	0.00
90	T	Hexachloroethane	0.616	0.628	-1.9	107	0.00
91	T	1,2-Dichlorobenzene	1.650	1.664	-0.8	105	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.252	0.261	-3.6	106	0.00
93	T	1,2,4-Trichlorobenzene	0.998	1.053	-5.5	109	0.00
94	T	Hexachlorobutadiene	0.396	0.402	-1.5	110	0.00
95	T	Naphthalene	3.608	3.827	-6.1	107	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.006	1.038	-3.2	105	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\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	106	0.00
2	T	Dichlorodifluoromethane	50.000	49.173	1.7	105	0.00
3	P	Chloromethane	50.000	47.590	4.8	102	0.00
4	C	Vinyl Chloride	50.000	47.033	5.9#	102	0.00
5	T	Bromomethane	50.000	46.719	6.6	99	0.00
6	T	Chloroethane	50.000	42.198	15.6	87	0.00
7	T	Trichlorofluoromethane	50.000	48.558	2.9	105	0.00
8	T	Diethyl Ether	50.000	47.544	4.9	102	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.588	-1.2	109	0.00
10	T	Methyl Iodide	50.000	50.082	-0.2	103	0.00
11	T	Tert butyl alcohol	250.000	251.791	-0.7	107	0.00
12	CM	1,1-Dichloroethene	50.000	47.935	4.1#	104	0.00
13	T	Acrolein	250.000	240.879	3.6	101	0.00
14	T	Allyl chloride	50.000	48.976	2.0	105	0.00
15	T	Acrylonitrile	250.000	251.537	-0.6	102	0.00
16	T	Acetone	250.000	257.198	-2.9	110	0.00
17	T	Carbon Disulfide	50.000	49.472	1.1	105	0.00
18	T	Methyl Acetate	50.000	49.920	0.2	104	0.00
19	T	Methyl tert-butyl Ether	50.000	49.453	1.1	105	0.00
20	T	Methylene Chloride	50.000	47.978	4.0	104	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.129	1.7	103	0.00
22	T	Diisopropyl ether	50.000	50.138	-0.3	105	0.00
23	T	Vinyl Acetate	250.000	257.465	-3.0	106	0.00
24	P	1,1-Dichloroethane	50.000	49.329	1.3	105	0.00
25	T	2-Butanone	250.000	258.175	-3.3	104	0.00
26	T	2,2-Dichloropropane	50.000	50.285	-0.6	110	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.493	1.0	106	0.00
28	T	Bromochloromethane	50.000	45.250	9.5	98	0.00
29	T	Tetrahydrofuran	250.000	253.318	-1.3	104	0.00
30	C	Chloroform	50.000	48.393	3.2#	105	0.00
31	T	Cyclohexane	50.000	49.211	1.6	106	0.00
32	T	1,1,1-Trichloroethane	50.000	48.825	2.3	105	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.061	3.9	103	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35	S	Dibromofluoromethane	50.000	49.173	1.7	105	0.00
36	T	1,1-Dichloropropene	50.000	48.702	2.6	103	0.00
37	T	Ethyl Acetate	50.000	49.300	1.4	102	0.00
38	T	Carbon Tetrachloride	50.000	49.083	1.8	104	0.00
39	T	Methylcyclohexane	50.000	53.254	-6.5	109	0.00
40	TM	Benzene	50.000	49.919	0.2	104	0.00
41	T	Methacrylonitrile	50.000	53.741	-7.5	104	0.00
42	TM	1,2-Dichloroethane	50.000	50.410	-0.8	105	0.00
43	T	Isopropyl Acetate	50.000	51.798	-3.6	104	0.00
44	TM	Trichloroethene	50.000	49.917	0.2	105	0.00
45	C	1,2-Dichloropropane	50.000	50.387	-0.8#	105	0.00
46	T	Dibromomethane	50.000	49.540	0.9	103	0.00
47	T	Bromodichloromethane	50.000	50.980	-2.0	105	0.00
48	T	Methyl methacrylate	50.000	52.848	-5.7	104	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1021.138	-2.1	101	0.00
50	S	Toluene-d8	50.000	49.649	0.7	103	0.00
51	T	4-Methyl-2-Pentanone	250.000	265.112	-6.0	103	0.00
52	CM	Toluene	50.000	50.680	-1.4#	103	0.00
53	T	t-1,3-Dichloropropene	50.000	53.731	-7.5	109	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.986	-6.0	106	0.00
55	T	1,1,2-Trichloroethane	50.000	50.811	-1.6	105	0.00
56	T	Ethyl methacrylate	50.000	54.068	-8.1	106	0.00
57	T	1,3-Dichloropropane	50.000	50.852	-1.7	103	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	284.352	-13.7	110	0.00
59	T	2-Hexanone	250.000	269.951	-8.0	103	0.00
60	T	Dibromochloromethane	50.000	51.673	-3.3	104	0.00
61	T	1,2-Dibromoethane	50.000	51.436	-2.9	105	0.00
62	S	4-Bromofluorobenzene	50.000	51.786	-3.6	104	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	104	0.00
64	T	Tetrachloroethene	50.000	49.424	1.2	105	0.00
65	PM	Chlorobenzene	50.000	50.952	-1.9	104	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.205	-2.4	104	0.00
67	C	Ethyl Benzene	50.000	51.415	-2.8#	105	0.00
68	T	m/p-Xylenes	100.000	104.282	-4.3	105	0.00
69	T	o-Xylene	50.000	50.804	-1.6	105	0.00
70	T	Styrene	50.000	53.521	-7.0	105	0.00
71	P	Bromoform	50.000	53.997	-8.0	103	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	105	0.00
73	T	Isopropylbenzene	50.000	49.921	0.2	104	0.00
74	T	N-amyl acetate	50.000	52.621	-5.2	106	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.331	3.3	103	0.00
76	T	1,2,3-Trichloropropane	50.000	49.659	0.7	104	0.00
77	T	Bromobenzene	50.000	49.725	0.5	104	0.00
78	T	n-propylbenzene	50.000	51.386	-2.8	106	0.00
79	T	2-Chlorotoluene	50.000	49.065	1.9	103	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.956	-1.9	105	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	52.665	-5.3	109	0.00
82	T	4-Chlorotoluene	50.000	50.872	-1.7	105	0.00
83	T	tert-Butylbenzene	50.000	50.139	-0.3	105	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.593	-3.2	104	0.00
85	T	sec-Butylbenzene	50.000	51.617	-3.2	107	0.00
86	T	p-Isopropyltoluene	50.000	52.581	-5.2	107	0.00
87	T	1,3-Dichlorobenzene	50.000	50.475	-1.0	106	0.00
88	T	1,4-Dichlorobenzene	50.000	49.526	0.9	105	0.00
89	T	n-Butylbenzene	50.000	55.142	-10.3	108	0.00
90	T	Hexachloroethane	50.000	50.990	-2.0	107	0.00
91	T	1,2-Dichlorobenzene	50.000	50.447	-0.9	105	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.684	-3.4	106	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.726	-5.5	109	0.00
94	T	Hexachlorobutadiene	50.000	50.683	-1.4	110	0.00
95	T	Naphthalene	50.000	53.033	-6.1	107	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.575	-3.2	105	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX044976.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: GFEL01

Lab Code: CHEM Case No.: Q1376 SAS No.: Q1376 SDG No.: Q1376

Instrument ID: MSVOA_X Calibration Date/Time: 02/18/2025 10:45

Lab File ID: VX044976.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:25 12:28

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.701	0.674		-3.85	20
Chloromethane	0.854	0.757	0.1	-11.36	20
Vinyl Chloride	0.827	0.732		-11.49	20
Bromomethane	0.247	0.366		48.18	20
Chloroethane	0.307	0.412		34.2	20
Trichlorofluoromethane	1.046	1.004		-4.01	20
1,1,2-Trichlorotrifluoroethane	0.632	0.600		-5.06	20
1,1-Dichloroethene	0.644	0.581		-9.78	20
Acetone	0.294	0.280		-4.76	20
Carbon Disulfide	1.767	1.593		-9.85	20
Methyl tert-butyl Ether	2.050	1.970		-3.9	20
Methyl Acetate	0.928	0.940		1.29	20
Methylene Chloride	0.721	0.669		-7.21	20
trans-1,2-Dichloroethene	0.634	0.587		-7.41	20
1,1-Dichloroethane	1.233	1.162	0.1	-5.76	20
Cyclohexane	1.137	1.033		-9.15	20
2-Butanone	0.478	0.460		-3.77	20
Carbon Tetrachloride	0.460	0.461		0.22	20
cis-1,2-Dichloroethene	0.762	0.724		-4.99	20
Bromochloromethane	0.593	0.592		-0.17	20
Chloroform	1.196	1.154		-3.51	20
1,1,1-Trichloroethane	1.014	0.971		-4.24	20
Methylcyclohexane	0.606	0.612		0.99	20
Benzene	1.465	1.414		-3.48	20
1,2-Dichloroethane	0.467	0.488		4.5	20
Trichloroethene	0.335	0.335		0	20
1,2-Dichloropropane	0.364	0.366		0.55	20
Bromodichloromethane	0.489	0.514		5.11	20
4-Methyl-2-Pentanone	0.512	0.536		4.69	20
Toluene	0.872	0.862		-1.15	20
t-1,3-Dichloropropene	0.495	0.530		7.07	20
cis-1,3-Dichloropropene	0.552	0.579		4.89	20
1,1,2-Trichloroethane	0.335	0.339		1.19	20
2-Hexanone	0.369	0.395		7.05	20
Dibromochloromethane	0.359	0.386		7.52	20
1,2-Dibromoethane	0.340	0.345		1.47	20
Tetrachloroethene	0.315	0.308		-2.22	20
Chlorobenzene	1.074	1.071	0.3	-0.28	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: GFEL01

Lab Code: CHEM Case No.: Q1376 SAS No.: Q1376 SDG No.: Q1376

Instrument ID: MSVOA_X Calibration Date/Time: 02/18/2025 10:45

Lab File ID: VX044976.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:25 12:28

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.895	1.877		-0.95	20
m/p-Xylenes	0.699	0.694		-0.71	20
o-Xylene	0.701	0.678		-3.28	20
Styrene	1.130	1.169		3.45	20
Bromoform	0.258	0.283	0.1	9.69	20
Isopropylbenzene	4.026	3.650		-9.34	20
1,1,2,2-Tetrachloroethane	1.383	1.259	0.3	-8.97	20
1,3-Dichlorobenzene	1.678	1.635		-2.56	20
1,4-Dichlorobenzene	1.697	1.657		-2.36	20
1,2-Dichlorobenzene	1.650	1.605		-2.73	20
1,2-Dibromo-3-Chloropropane	0.252	0.241		-4.36	20
1,2,4-Trichlorobenzene	0.998	1.051		5.31	20
1,2,3-Trichlorobenzene	1.006	1.016		0.99	20
1,2-Dichloroethane-d4	0.732	0.750		2.46	20
Dibromofluoromethane	0.325	0.345		6.15	20
Toluene-d8	1.229	1.278		3.99	20
4-Bromofluorobenzene	0.414	0.457		10.39	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\VX021825\
Data File : VX044976.D
Acq On : 18 Feb 2025 10:45
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 18 11:13:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	118005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	207185	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	183597	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	88801	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	88505	51.24	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.48%			
35) Dibromofluoromethane	5.373	113	71537	53.11	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.22%			
50) Toluene-d8	8.641	98	264709	51.97	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.94%			
62) 4-Bromofluorobenzene	11.079	95	94655	55.12	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.24%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	79532	48.05	ug/l	98
3) Chloromethane	1.294	50	89366	44.36	ug/l	98
4) Vinyl Chloride	1.374	62	86399	44.27	ug/l	98
5) Bromomethane	1.599	94	43230	74.03	ug/l	98
6) Chloroethane	1.679	64	52022	77.62	ug/l	98
7) Trichlorofluoromethane	1.886	101	118458	48.00	ug/l	99
8) Diethyl Ether	2.130	74	44086	49.26	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	70768	47.46	ug/l	98
10) Methyl Iodide	2.447	142	91917	47.56	ug/l	98
11) Tert butyl alcohol	2.947	59	72730	226.96	ug/l	100
12) 1,1-Dichloroethene	2.313	96	68545	45.07	ug/l	96
13) Acrolein	2.233	56	89524	270.77	ug/l	99
14) Allyl chloride	2.660	41	131785	47.94	ug/l	99
15) Acrylonitrile	3.056	53	208149	243.27	ug/l	99
16) Acetone	2.373	43	165312	238.06	ug/l	96
17) Carbon Disulfide	2.508	76	187991	45.07	ug/l	99
18) Methyl Acetate	2.697	43	110883	50.60	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	232450	48.03	ug/l	99
20) Methylene Chloride	2.782	84	78990	46.44	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	69252	46.26	ug/l	94
22) Diisopropyl ether	3.751	45	257144	49.45	ug/l	94
23) Vinyl Acetate	3.715	43	1065465	251.31	ug/l	100
24) 1,1-Dichloroethane	3.599	63	137149	47.13	ug/l	100
25) 2-Butanone	4.538	43	271668	240.92	ug/l	94
26) 2,2-Dichloropropane	4.465	77	109467	47.44	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	85380	47.48	ug/l	98
28) Bromochloromethane	4.885	49	69881	49.97	ug/l	100
29) Tetrahydrofuran	4.995	42	177361	236.87	ug/l	99
30) Chloroform	5.086	83	136159	48.25	ug/l	96
31) Cyclohexane	5.464	56	121894	45.44	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	114614	47.88	ug/l	99
36) 1,1-Dichloropropene	5.684	75	92923	47.81	ug/l	99
37) Ethyl Acetate	4.696	43	108339	50.12	ug/l	98
38) Carbon Tetrachloride	5.666	117	95463	50.13	ug/l	98
39) Methylcyclohexane	7.373	83	126871	50.50	ug/l	98
40) Benzene	6.025	78	293013	48.28	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044976.D
Acq On : 18 Feb 2025 10:45
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 18 11:13:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	60945	52.67	ug/l		99
42) 1,2-Dichloroethane	6.080	62	101150	52.30	ug/l		98
43) Isopropyl Acetate	6.330	43	178579	51.16	ug/l		99
44) Trichloroethene	7.117	130	69360	50.00	ug/l		98
45) 1,2-Dichloropropane	7.421	63	75767	50.18	ug/l		100
46) Dibromomethane	7.574	93	53216	50.83	ug/l		98
47) Bromodichloromethane	7.812	83	106534	52.55	ug/l		99
48) Methyl methacrylate	7.684	41	85130	51.72	ug/l		98
49) 1,4-Dioxane	7.653	88	35704	1011.07	ug/l		99
51) 4-Methyl-2-Pentanone	8.568	43	555541	261.78	ug/l		99
52) Toluene	8.714	92	178656	49.43	ug/l		100
53) t-1,3-Dichloropropene	8.970	75	109793	53.52	ug/l		96
54) cis-1,3-Dichloropropene	8.360	75	119963	52.44	ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	70262	50.57	ug/l		98
56) Ethyl methacrylate	9.110	69	115147	51.32	ug/l		97
57) 1,3-Dichloropropane	9.305	76	121286	49.89	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.232	63	301429	273.58	ug/l		99
59) 2-Hexanone	9.427	43	409204	267.62	ug/l		97
60) Dibromochloromethane	9.512	129	79957	53.81	ug/l		99
61) 1,2-Dibromoethane	9.604	107	71400	50.71	ug/l		98
64) Tetrachloroethene	9.269	164	56478	48.78	ug/l		97
65) Chlorobenzene	10.073	112	196568	49.85	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	63488	50.02	ug/l		99
67) Ethyl Benzene	10.189	91	344608	49.52	ug/l		100
68) m/p-Xylenes	10.299	106	254807	99.26	ug/l		99
69) o-Xylene	10.640	106	124437	48.31	ug/l		99
70) Styrene	10.653	104	214624	51.72	ug/l		99
71) Bromoform	10.793	173	51973	54.87	ug/l	#	99
73) Isopropylbenzene	10.957	105	324136	45.33	ug/l		99
74) N-amyl acetate	10.842	43	156526	48.38	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	111814	45.51	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	101933m	51.77	ug/l		
77) Bromobenzene	11.195	156	75531	46.59	ug/l		99
78) n-propylbenzene	11.299	91	392244	47.53	ug/l		100
79) 2-Chlorotoluene	11.360	91	226171	44.59	ug/l		98
80) 1,3,5-Trimethylbenzene	11.445	105	270445	46.61	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.012	75	35570	46.47	ug/l		98
82) 4-Chlorotoluene	11.451	91	268193	47.79	ug/l		100
83) tert-Butylbenzene	11.713	119	274415	46.75	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	273687	47.79	ug/l		100
85) sec-Butylbenzene	11.890	105	350459	48.22	ug/l		100
86) p-Isopropyltoluene	12.006	119	289729	49.57	ug/l		99
87) 1,3-Dichlorobenzene	11.963	146	145157	48.69	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	147103	48.81	ug/l		99
89) n-Butylbenzene	12.329	91	283636	54.85	ug/l		100
90) Hexachloroethane	12.536	117	52382	47.86	ug/l		100
91) 1,2-Dichlorobenzene	12.329	146	142515	48.64	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21445	47.82	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	93307	52.63	ug/l		100
94) Hexachlorobutadiene	13.719	225	37861	53.80	ug/l		99
95) Naphthalene	13.774	128	310246	48.41	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	90229	50.51	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044976.D
Acq On : 18 Feb 2025 10:45
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 18 11:13:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

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

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

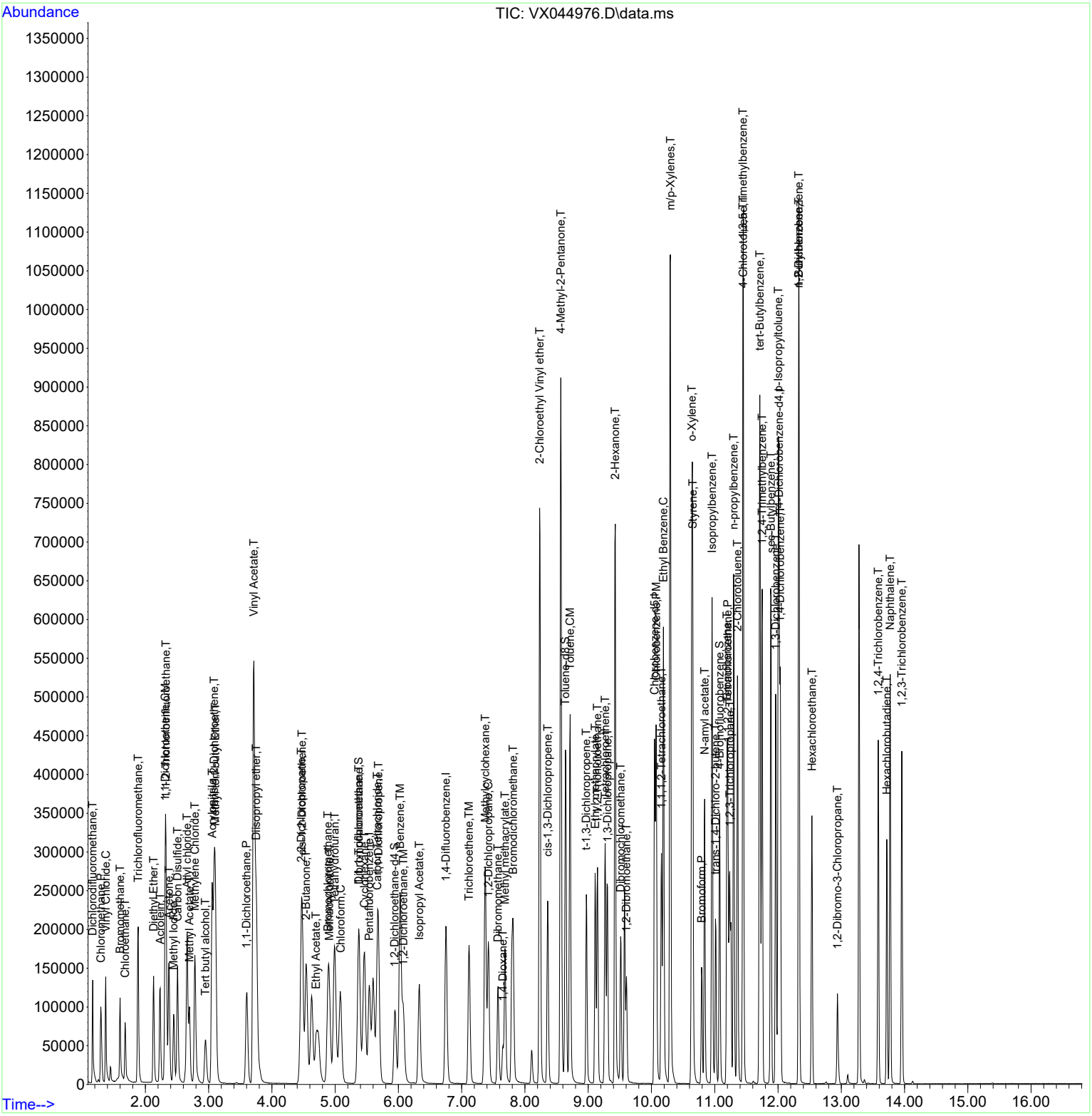
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044976.D
Acq On : 18 Feb 2025 10:45
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 18 11:13:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025



Sample Results: **VX044976.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044976.D
Acq On : 18 Feb 2025 10:45
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 19 06:07:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	92	0.00
2	T	Dichlorodifluoromethane	0.701	0.674	3.9	89	0.00
3	P	Chloromethane	0.854	0.757	11.4	83	0.00
4	C	Vinyl Chloride	0.827	0.732	11.5#	84	0.00
5	T	Bromomethane	0.247	0.366	-48.2#	136	0.00
6	T	Chloroethane	0.307	0.412	-34.2#	111	0.01
7	T	Trichlorofluoromethane	1.046	1.004	4.0	90	0.01
8	T	Diethyl Ether	0.379	0.374	1.3	92	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.632	0.600	5.1	88	0.00
10	T	Methyl Iodide	0.819	0.779	4.9	85	0.00
11	T	Tert butyl alcohol	0.136	0.123	9.6	83	-0.04
12	CM	1,1-Dichloroethene	0.644	0.581	9.8#	85	0.00
13	T	Acrolein	0.140	0.152	-8.6	99	0.00
14	T	Allyl chloride	1.165	1.117	4.1	89	0.00
15	T	Acrylonitrile	0.363	0.353	2.8	86	0.00
16	T	Acetone	0.294	0.280	4.8	88	0.00
17	T	Carbon Disulfide	1.767	1.593	9.8	83	0.00
18	T	Methyl Acetate	0.928	0.940	-1.3	92	0.00
19	T	Methyl tert-butyl Ether	2.050	1.970	3.9	89	0.00
20	T	Methylene Chloride	0.721	0.669	7.2	88	0.00
21	T	trans-1,2-Dichloroethene	0.634	0.587	7.4	85	0.00
22	T	Diisopropyl ether	2.203	2.179	1.1	89	0.00
23	T	Vinyl Acetate	1.796	1.806	-0.6	90	0.00
24	P	1,1-Dichloroethane	1.233	1.162	5.8	87	0.00
25	T	2-Butanone	0.478	0.460	3.8	84	-0.02
26	T	2,2-Dichloropropane	0.978	0.928	5.1	90	0.00
27	T	cis-1,2-Dichloroethene	0.762	0.724	5.0	88	0.00
28	T	Bromochloromethane	0.593	0.592	0.2	94	0.00
29	T	Tetrahydrofuran	0.317	0.301	5.0	84	0.00
30	C	Chloroform	1.196	1.154	3.5#	91	0.00
31	T	Cyclohexane	1.137	1.033	9.1	85	0.00
32	T	1,1,1-Trichloroethane	1.014	0.971	4.2	89	0.00
33	S	1,2-Dichloroethane-d4	0.732	0.750	-2.5	96	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	89	0.00
35	S	Dibromofluoromethane	0.325	0.345	-6.2	96	0.00
36	T	1,1-Dichloropropene	0.469	0.449	4.3	86	0.00
37	T	Ethyl Acetate	0.522	0.523	-0.2	88	-0.01
38	T	Carbon Tetrachloride	0.460	0.461	-0.2	90	0.00
39	T	Methylcyclohexane	0.606	0.612	-1.0	87	0.00
40	TM	Benzene	1.465	1.414	3.5	85	0.00
41	T	Methacrylonitrile	0.279	0.294	-5.4	86	0.00
42	TM	1,2-Dichloroethane	0.467	0.488	-4.5	92	0.00
43	T	Isopropyl Acetate	0.842	0.862	-2.4	87	0.00
44	TM	Trichloroethene	0.335	0.335	0.0	89	0.00
45	C	1,2-Dichloropropane	0.364	0.366	-0.5#	88	0.00
46	T	Dibromomethane	0.253	0.257	-1.6	89	0.00
47	T	Bromodichloromethane	0.489	0.514	-5.1	91	0.00
48	T	Methyl methacrylate	0.397	0.411	-3.5	86	0.00

Sample Results: **VX044976.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044976.D
Acq On : 18 Feb 2025 10:45
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 19 06:07:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.009	0.009	0.0	85	0.00
50	S	Toluene-d8	1.229	1.278	-4.0	91	0.00
51	T	4-Methyl-2-Pentanone	0.512	0.536	-4.7	86	0.00
52	CM	Toluene	0.872	0.862	1.1#	85	0.00
53	T	t-1,3-Dichloropropene	0.495	0.530	-7.1	91	0.00
54	T	cis-1,3-Dichloropropene	0.552	0.579	-4.9	89	0.00
55	T	1,1,2-Trichloroethane	0.335	0.339	-1.2	88	0.00
56	T	Ethyl methacrylate	0.542	0.556	-2.6	85	0.00
57	T	1,3-Dichloropropane	0.587	0.585	0.3	86	0.00
58	T	2-Chloroethyl Vinyl ether	0.266	0.291	-9.4	90	0.00
59	T	2-Hexanone	0.369	0.395	-7.0	87	0.00
60	T	Dibromochloromethane	0.359	0.386	-7.5	92	0.00
61	T	1,2-Dibromoethane	0.340	0.345	-1.5	87	0.00
62	S	4-Bromofluorobenzene	0.414	0.457	-10.4	94	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
64	T	Tetrachloroethene	0.315	0.308	2.2	89	0.00
65	PM	Chlorobenzene	1.074	1.071	0.3	88	0.00
66	T	1,1,1,2-Tetrachloroethane	0.346	0.346	0.0	88	0.00
67	C	Ethyl Benzene	1.895	1.877	0.9#	87	0.00
68	T	m/p-Xylenes	0.699	0.694	0.7	86	0.00
69	T	o-Xylene	0.701	0.678	3.3	86	0.00
70	T	Styrene	1.130	1.169	-3.5	87	0.00
71	P	Bromoform	0.258	0.283	-9.7	91	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
73	T	Isopropylbenzene	4.026	3.650	9.3	86	0.00
74	T	N-amyl acetate	1.822	1.763	3.2	89	0.00
75	P	1,1,2,2-Tetrachloroethane	1.383	1.259	9.0	88	0.00
76	T	1,2,3-Trichloropropane	1.109	1.063	4.1	92	0.00
77	T	Bromobenzene	0.913	0.851	6.8	89	0.00
78	T	n-propylbenzene	4.647	4.417	4.9	90	0.00
79	T	2-Chlorotoluene	2.856	2.547	10.8	86	0.00
80	T	1,3,5-Trimethylbenzene	3.267	3.046	6.8	88	0.00
81	T	trans-1,4-Dichloro-2-butene	0.431	0.401	7.0	88	0.00
82	T	4-Chlorotoluene	3.160	3.020	4.4	91	0.00
83	T	tert-Butylbenzene	3.305	3.090	6.5	89	0.00
84	T	1,2,4-Trimethylbenzene	3.225	3.082	4.4	88	0.00
85	T	sec-Butylbenzene	4.093	3.947	3.6	91	0.00
86	T	p-Isopropyltoluene	3.291	3.263	0.9	92	0.00
87	T	1,3-Dichlorobenzene	1.678	1.635	2.6	93	0.00
88	T	1,4-Dichlorobenzene	1.697	1.657	2.4	94	0.00
89	T	n-Butylbenzene	2.912	3.194	-9.7	99	0.00
90	T	Hexachloroethane	0.616	0.590	4.2	92	0.00
91	T	1,2-Dichlorobenzene	1.650	1.605	2.7	92	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.252	0.241	4.4	90	0.00
93	T	1,2,4-Trichlorobenzene	0.998	1.051	-5.3	99	0.00
94	T	Hexachlorobutadiene	0.396	0.426	-7.6	107	0.00
95	T	Naphthalene	3.608	3.494	3.2	89	0.00

Sample Results: **VX044976.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044976.D
Acq On : 18 Feb 2025 10:45
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 19 06:07:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.006	1.016	-1.0	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX044976.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044976.D
Acq On : 18 Feb 2025 10:45
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 19 06:07:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	92	0.00
2	T	Dichlorodifluoromethane	50.000	48.053	3.9	89	0.00
3	P	Chloromethane	50.000	44.364	11.3	83	0.00
4	C	Vinyl Chloride	50.000	44.273	11.5#	84	0.00
5	T	Bromomethane	50.000	74.028	-48.1#	136	0.00
6	T	Chloroethane	50.000	69.835	-39.7#	111	0.01
7	T	Trichlorofluoromethane	50.000	48.000	4.0	90	0.01
8	T	Diethyl Ether	50.000	49.258	1.5	92	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.461	5.1	88	0.00
10	T	Methyl Iodide	50.000	47.565	4.9	85	0.00
11	T	Tert butyl alcohol	250.000	226.956	9.2	83	-0.04
12	CM	1,1-Dichloroethene	50.000	45.066	9.9#	85	0.00
13	T	Acrolein	250.000	270.766	-8.3	99	0.00
14	T	Allyl chloride	50.000	47.942	4.1	89	0.00
15	T	Acrylonitrile	250.000	243.274	2.7	86	0.00
16	T	Acetone	250.000	238.057	4.8	88	0.00
17	T	Carbon Disulfide	50.000	45.073	9.9	83	0.00
18	T	Methyl Acetate	50.000	50.601	-1.2	92	0.00
19	T	Methyl tert-butyl Ether	50.000	48.034	3.9	89	0.00
20	T	Methylene Chloride	50.000	46.440	7.1	88	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.261	7.5	85	0.00
22	T	Diisopropyl ether	50.000	49.447	1.1	89	0.00
23	T	Vinyl Acetate	250.000	251.308	-0.5	90	0.00
24	P	1,1-Dichloroethane	50.000	47.133	5.7	87	0.00
25	T	2-Butanone	250.000	240.923	3.6	84	-0.02
26	T	2,2-Dichloropropane	50.000	47.438	5.1	90	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.483	5.0	88	0.00
28	T	Bromochloromethane	50.000	49.972	0.1	94	0.00
29	T	Tetrahydrofuran	250.000	236.873	5.3	84	0.00
30	C	Chloroform	50.000	48.250	3.5#	91	0.00
31	T	Cyclohexane	50.000	45.439	9.1	85	0.00
32	T	1,1,1-Trichloroethane	50.000	47.884	4.2	89	0.00
33	S	1,2-Dichloroethane-d4	50.000	51.237	-2.5	96	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	89	0.00
35	S	Dibromofluoromethane	50.000	53.107	-6.2	96	0.00
36	T	1,1-Dichloropropene	50.000	47.814	4.4	86	0.00
37	T	Ethyl Acetate	50.000	50.119	-0.2	88	-0.01
38	T	Carbon Tetrachloride	50.000	50.126	-0.3	90	0.00
39	T	Methylcyclohexane	50.000	50.495	-1.0	87	0.00
40	TM	Benzene	50.000	48.284	3.4	85	0.00
41	T	Methacrylonitrile	50.000	52.673	-5.3	86	0.00
42	TM	1,2-Dichloroethane	50.000	52.298	-4.6	92	0.00
43	T	Isopropyl Acetate	50.000	51.158	-2.3	87	0.00
44	TM	Trichloroethene	50.000	50.004	-0.0	89	0.00
45	C	1,2-Dichloropropane	50.000	50.185	-0.4#	88	0.00
46	T	Dibromomethane	50.000	50.826	-1.7	89	0.00
47	T	Bromodichloromethane	50.000	52.549	-5.1	91	0.00
48	T	Methyl methacrylate	50.000	51.722	-3.4	86	0.00

Sample Results: **VX044976.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044976.D
Acq On : 18 Feb 2025 10:45
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 19 06:07:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1011.072	-1.1	85	0.00
50	S	Toluene-d8	50.000	51.968	-3.9	91	0.00
51	T	4-Methyl-2-Pentanone	250.000	261.781	-4.7	86	0.00
52	CM	Toluene	50.000	49.433	1.1#	85	0.00
53	T	t-1,3-Dichloropropene	50.000	53.517	-7.0	91	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.445	-4.9	89	0.00
55	T	1,1,2-Trichloroethane	50.000	50.573	-1.1	88	0.00
56	T	Ethyl methacrylate	50.000	51.316	-2.6	85	0.00
57	T	1,3-Dichloropropane	50.000	49.894	0.2	86	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	273.585	-9.4	90	0.00
59	T	2-Hexanone	250.000	267.622	-7.0	87	0.00
60	T	Dibromochloromethane	50.000	53.813	-7.6	92	0.00
61	T	1,2-Dibromoethane	50.000	50.705	-1.4	87	0.00
62	S	4-Bromofluorobenzene	50.000	55.122	-10.2	94	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	90	0.00
64	T	Tetrachloroethene	50.000	48.778	2.4	89	0.00
65	PM	Chlorobenzene	50.000	49.847	0.3	88	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.020	-0.0	88	0.00
67	C	Ethyl Benzene	50.000	49.521	1.0#	87	0.00
68	T	m/p-Xylenes	100.000	99.262	0.7	86	0.00
69	T	o-Xylene	50.000	48.310	3.4	86	0.00
70	T	Styrene	50.000	51.719	-3.4	87	0.00
71	P	Bromoform	50.000	54.868	-9.7	91	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	96	0.00
73	T	Isopropylbenzene	50.000	45.333	9.3	86	0.00
74	T	N-amyl acetate	50.000	48.377	3.2	89	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	45.508	9.0	88	0.00
76	T	1,2,3-Trichloropropane	50.000	47.933	4.1	92	0.00
77	T	Bromobenzene	50.000	46.594	6.8	89	0.00
78	T	n-propylbenzene	50.000	47.528	4.9	90	0.00
79	T	2-Chlorotoluene	50.000	44.590	10.8	86	0.00
80	T	1,3,5-Trimethylbenzene	50.000	46.609	6.8	88	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	46.474	7.1	88	0.00
82	T	4-Chlorotoluene	50.000	47.793	4.4	91	0.00
83	T	tert-Butylbenzene	50.000	46.750	6.5	89	0.00
84	T	1,2,4-Trimethylbenzene	50.000	47.790	4.4	88	0.00
85	T	sec-Butylbenzene	50.000	48.215	3.6	91	0.00
86	T	p-Isopropyltoluene	50.000	49.566	0.9	92	0.00
87	T	1,3-Dichlorobenzene	50.000	48.694	2.6	93	0.00
88	T	1,4-Dichlorobenzene	50.000	48.806	2.4	94	0.00
89	T	n-Butylbenzene	50.000	54.848	-9.7	99	0.00
90	T	Hexachloroethane	50.000	47.860	4.3	92	0.00
91	T	1,2-Dichlorobenzene	50.000	48.643	2.7	92	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	47.822	4.4	90	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.632	-5.3	99	0.00
94	T	Hexachlorobutadiene	50.000	53.796	-7.6	107	0.00
95	T	Naphthalene	50.000	48.411	3.2	89	0.00

Sample Results: **VX044976.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044976.D
Acq On : 18 Feb 2025 10:45
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 19 06:07:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.509	-1.0	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX044996.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: GFEL01

Lab Code: CHEM Case No.: Q1376 SAS No.: Q1376 SDG No.: Q1376

Instrument ID: MSVOA_X Calibration Date/Time: 02/19/2025 10:52

Lab File ID: VX044996.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:25 12:28

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.701	0.701		0	20
Chloromethane	0.854	0.793	0.1	-7.14	20
Vinyl Chloride	0.827	0.796		-3.75	20
Bromomethane	0.247	0.249		0.81	20
Chloroethane	0.307	0.500		62.87	20
Trichlorofluoromethane	1.046	1.062		1.53	20
1,1,2-Trichlorotrifluoroethane	0.632	0.636		0.63	20
1,1-Dichloroethene	0.644	0.625		-2.95	20
Acetone	0.294	0.293		-0.34	20
Carbon Disulfide	1.767	1.596		-9.68	20
Methyl tert-butyl Ether	2.050	2.068		0.88	20
Methyl Acetate	0.928	0.961		3.56	20
Methylene Chloride	0.721	0.712		-1.25	20
trans-1,2-Dichloroethene	0.634	0.615		-3	20
1,1-Dichloroethane	1.233	1.254	0.1	1.7	20
Cyclohexane	1.137	1.103		-2.99	20
2-Butanone	0.478	0.484		1.25	20
Carbon Tetrachloride	0.460	0.489		6.3	20
cis-1,2-Dichloroethene	0.762	0.775		1.71	20
Bromochloromethane	0.593	0.595		0.34	20
Chloroform	1.196	1.242		3.85	20
1,1,1-Trichloroethane	1.014	1.050		3.55	20
Methylcyclohexane	0.606	0.642		5.94	20
Benzene	1.465	1.542		5.26	20
1,2-Dichloroethane	0.467	0.522		11.78	20
Trichloroethene	0.335	0.353		5.37	20
1,2-Dichloropropane	0.364	0.389		6.87	20
Bromodichloromethane	0.489	0.550		12.47	20
4-Methyl-2-Pentanone	0.512	0.564		10.16	20
Toluene	0.872	0.938		7.57	20
t-1,3-Dichloropropene	0.495	0.533		7.68	20
cis-1,3-Dichloropropene	0.552	0.603		9.24	20
1,1,2-Trichloroethane	0.335	0.364		8.66	20
2-Hexanone	0.369	0.409		10.84	20
Dibromochloromethane	0.359	0.404		12.53	20
1,2-Dibromoethane	0.340	0.367		7.94	20
Tetrachloroethene	0.315	0.322		2.22	20
Chlorobenzene	1.074	1.120	0.3	4.28	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VX044996.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: GFEL01

Lab Code: CHEM Case No.: Q1376 SAS No.: Q1376 SDG No.: Q1376

Instrument ID: MSVOA_X Calibration Date/Time: 02/19/2025 10:52

Lab File ID: VX044996.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:25 12:28

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.895	1.990		5.01	20
m/p-Xylenes	0.699	0.740		5.87	20
o-Xylene	0.701	0.722		3	20
Styrene	1.130	1.230		8.85	20
Bromoform	0.258	0.279	0.1	8.14	20
Isopropylbenzene	4.026	4.113		2.16	20
1,1,2,2-Tetrachloroethane	1.383	1.344	0.3	-2.82	20
1,3-Dichlorobenzene	1.678	1.777		5.9	20
1,4-Dichlorobenzene	1.697	1.753		3.3	20
1,2-Dichlorobenzene	1.650	1.704		3.27	20
1,2-Dibromo-3-Chloropropane	0.252	0.249		-1.19	20
1,2,4-Trichlorobenzene	0.998	1.092		9.42	20
1,2,3-Trichlorobenzene	1.006	1.098		9.15	20
1,2-Dichloroethane-d4	0.732	0.656		-10.38	20
Dibromofluoromethane	0.325	0.295		-9.23	20
Toluene-d8	1.229	1.088		-11.47	20
4-Bromofluorobenzene	0.414	0.390		-5.8	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\VX021925\
Data File : VX044996.D
Acq On : 19 Feb 2025 10:52
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 20 02:33:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	101434	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	178680	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	161969	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	74591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	66511	44.794	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 89.580%			
35) Dibromofluoromethane	5.373	113	52771	45.425	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.840%			
50) Toluene-d8	8.641	98	194366	44.245	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 88.500%			
62) 4-Bromofluorobenzene	11.079	95	69627	47.015	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	71059	49.948	ug/l	98
3) Chloromethane	1.294	50	80436	46.454	ug/l	99
4) Vinyl Chloride	1.374	62	80728	48.126	ug/l	99
5) Bromomethane	1.593	94	25241	50.285	ug/l	95
6) Chloroethane	1.666	64	50696	97.753	ug/l	97
7) Trichlorofluoromethane	1.874	101	107715	50.777	ug/l	100
8) Diethyl Ether	2.130	74	41521	53.971	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.325	101	64558	50.369	ug/l	98
10) Methyl Iodide	2.447	142	75738	45.595	ug/l	98
11) Tert butyl alcohol	2.989	59	59901	217.460	ug/l	100
12) 1,1-Dichloroethene	2.313	96	63396	48.490	ug/l	98
13) Acrolein	2.233	56	58363	205.357	ug/l	98
14) Allyl chloride	2.654	41	117039	49.534	ug/l	98
15) Acrylonitrile	3.056	53	181518	246.808	ug/l	98
16) Acetone	2.373	43	148842	249.356	ug/l	95
17) Carbon Disulfide	2.508	76	161914	45.163	ug/l	99
18) Methyl Acetate	2.697	43	97477	51.750	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	209721	50.417	ug/l	99
20) Methylene Chloride	2.782	84	72196	49.380	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	62411	48.502	ug/l	91
22) Diisopropyl ether	3.751	45	235626	52.711	ug/l	92
23) Vinyl Acetate	3.715	43	939094	257.688	ug/l	100
24) 1,1-Dichloroethane	3.599	63	127172	50.844	ug/l	99
25) 2-Butanone	4.544	43	245338	253.117	ug/l	95
26) 2,2-Dichloropropane	4.465	77	98366	49.591	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	78568	50.832	ug/l	99
28) Bromochloromethane	4.885	49	60375	50.228	ug/l	99
29) Tetrahydrofuran	4.995	42	159904	248.446	ug/l	98
30) Chloroform	5.080	83	126006	51.947	ug/l	97
31) Cyclohexane	5.458	56	111835	48.500	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	106467	51.747	ug/l	99
36) 1,1-Dichloropropene	5.684	75	85534	51.033	ug/l	99
37) Ethyl Acetate	4.702	43	92405	49.567	ug/l	98
38) Carbon Tetrachloride	5.666	117	87410	53.220	ug/l	97
39) Methylcyclohexane	7.373	83	114681	52.925	ug/l	98
40) Benzene	6.025	78	275503	52.641	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021925\
Data File : VX044996.D
Acq On : 19 Feb 2025 10:52
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 20 02:33:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	54906	55.024	ug/l		99
42) 1,2-Dichloroethane	6.074	62	93316	55.945	ug/l		98
43) Isopropyl Acetate	6.330	43	158018	52.490	ug/l		98
44) Trichloroethene	7.117	130	63126	52.769	ug/l		99
45) 1,2-Dichloropropane	7.421	63	69479	53.362	ug/l		96
46) Dibromomethane	7.574	93	48275	53.463	ug/l		98
47) Bromodichloromethane	7.812	83	98247	56.192	ug/l		100
48) Methyl methacrylate	7.690	41	77361	54.500	ug/l		97
49) 1,4-Dioxane	7.659	88	31299	1027.728	ug/l		97
51) 4-Methyl-2-Pentanone	8.568	43	504087	275.429	ug/l		98
52) Toluene	8.714	92	167630	53.781	ug/l		100
53) t-1,3-Dichloropropene	8.970	75	95165	53.787	ug/l		98
54) cis-1,3-Dichloropropene	8.360	75	107755	54.623	ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	65082	54.318	ug/l		98
56) Ethyl methacrylate	9.110	69	104293	53.894	ug/l		96
57) 1,3-Dichloropropane	9.305	76	114312	54.527	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.232	63	267481	281.503	ug/l		100
59) 2-Hexanone	9.427	43	364965	276.768	ug/l		97
60) Dibromochloromethane	9.519	129	72124	56.285	ug/l		99
61) 1,2-Dibromoethane	9.604	107	65515	53.948	ug/l		98
64) Tetrachloroethene	9.269	164	52119	51.024	ug/l		96
65) Chlorobenzene	10.073	112	181459	52.161	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	59706	53.322	ug/l		99
67) Ethyl Benzene	10.189	91	322376	52.512	ug/l		97
68) m/p-Xylenes	10.299	106	239803	105.892	ug/l		99
69) o-Xylene	10.640	106	116936	51.460	ug/l		97
70) Styrene	10.652	104	199300	54.439	ug/l		99
71) Bromoform	10.799	173	45256	54.156	ug/l	#	99
73) Isopropylbenzene	10.957	105	306799	51.082	ug/l		100
74) N-amyl acetate	10.841	43	139944	51.492	ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.207	83	100244	48.572	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	81525m	49.296	ug/l		
77) Bromobenzene	11.195	156	69215	50.832	ug/l		99
78) n-propylbenzene	11.299	91	364521	52.583	ug/l		100
79) 2-Chlorotoluene	11.360	91	214710	50.395	ug/l		100
80) 1,3,5-Trimethylbenzene	11.445	105	253309	51.973	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	26991	41.983	ug/l		94
82) 4-Chlorotoluene	11.451	91	246062	52.203	ug/l		99
83) tert-Butylbenzene	11.713	119	257768	52.280	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	255195	53.050	ug/l		100
85) sec-Butylbenzene	11.884	105	324931	53.219	ug/l		100
86) p-Isopropyltoluene	12.006	119	262276	53.418	ug/l		99
87) 1,3-Dichlorobenzene	11.963	146	132572	52.944	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	130786	51.658	ug/l		98
89) n-Butylbenzene	12.329	91	244043	56.182	ug/l		99
90) Hexachloroethane	12.536	117	45480	49.470	ug/l		98
91) 1,2-Dichlorobenzene	12.329	146	127089	51.642	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18560	49.274	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	81425	54.679	ug/l		100
94) Hexachlorobutadiene	13.719	225	32349	54.721	ug/l		98
95) Naphthalene	13.774	128	279838	51.985	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	81892	54.575	ug/l		98

Sample Results: **VX044996.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021925\
Data File : VX044996.D
Acq On : 19 Feb 2025 10:52
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 20 02:33:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

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

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

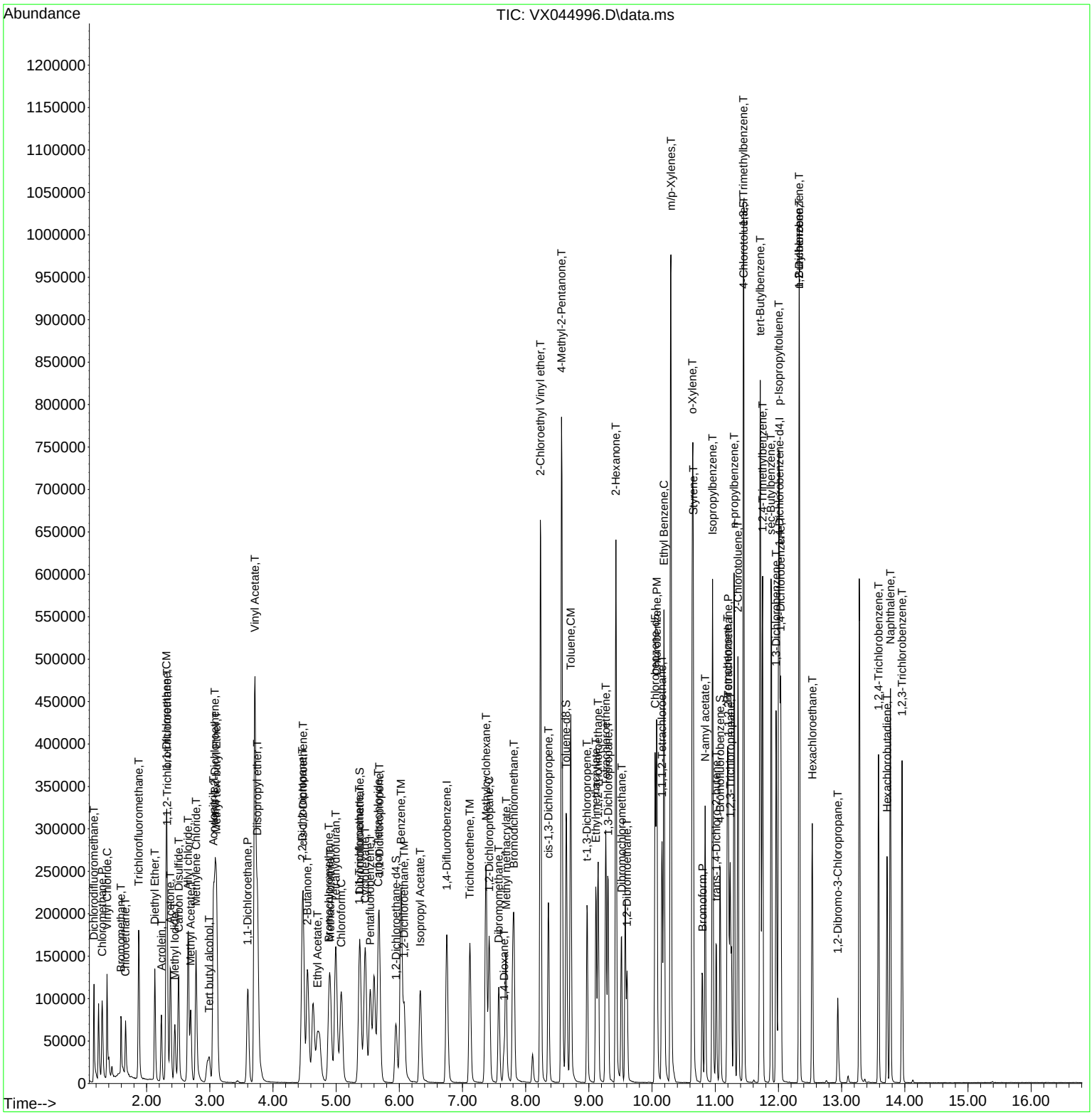
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021925\
Data File : VX044996.D
Acq On : 19 Feb 2025 10:52
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 20 02:33:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025



Sample Results: **VX044996.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021925\
Data File : VX044996.D
Acq On : 19 Feb 2025 10:52
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 20 02:33:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	79	0.00
2	T	Dichlorodifluoromethane	0.701	0.701	0.0	79	0.00
3	P	Chloromethane	0.854	0.793	7.1	75	0.00
4	C	Vinyl Chloride	0.827	0.796	3.7#	78	0.00
5	T	Bromomethane	0.247	0.249	-0.8	79	0.00
6	T	Chloroethane	0.307	0.500	-62.9#	116	0.00
7	T	Trichlorofluoromethane	1.046	1.062	-1.5	82	0.00
8	T	Diethyl Ether	0.379	0.409	-7.9	86	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.632	0.636	-0.6	81	0.00
10	T	Methyl Iodide	0.819	0.747	8.8	70	0.00
11	T	Tert butyl alcohol	0.136	0.118	13.2	69	0.00
12	CM	1,1-Dichloroethene	0.644	0.625	3.0#	79	0.00
13	T	Acrolein	0.140	0.115	17.9	64	0.00
14	T	Allyl chloride	1.165	1.154	0.9	79	0.00
15	T	Acrylonitrile	0.363	0.358	1.4	75	0.00
16	T	Acetone	0.294	0.293	0.3	79	0.00
17	T	Carbon Disulfide	1.767	1.596	9.7	72	0.00
18	T	Methyl Acetate	0.928	0.961	-3.6	81	0.00
19	T	Methyl tert-butyl Ether	2.050	2.068	-0.9	80	0.00
20	T	Methylene Chloride	0.721	0.712	1.2	80	0.00
21	T	trans-1,2-Dichloroethene	0.634	0.615	3.0	76	0.00
22	T	Diisopropyl ether	2.203	2.323	-5.4	82	0.00
23	T	Vinyl Acetate	1.796	1.852	-3.1	79	0.00
24	P	1,1-Dichloroethane	1.233	1.254	-1.7	81	0.00
25	T	2-Butanone	0.478	0.484	-1.3	76	-0.01
26	T	2,2-Dichloropropane	0.978	0.970	0.8	81	0.00
27	T	cis-1,2-Dichloroethene	0.762	0.775	-1.7	81	0.00
28	T	Bromochloromethane	0.593	0.595	-0.3	81	0.00
29	T	Tetrahydrofuran	0.317	0.315	0.6	76	0.00
30	C	Chloroform	1.196	1.242	-3.8#	84	0.00
31	T	Cyclohexane	1.137	1.103	3.0	78	0.00
32	T	1,1,1-Trichloroethane	1.014	1.050	-3.6	83	0.00
33	S	1,2-Dichloroethane-d4	0.732	0.656	10.4	72	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	76	0.00
35	S	Dibromofluoromethane	0.325	0.295	9.2	70	0.00
36	T	1,1-Dichloropropene	0.469	0.479	-2.1	79	0.00
37	T	Ethyl Acetate	0.522	0.517	1.0	75	0.00
38	T	Carbon Tetrachloride	0.460	0.489	-6.3	83	0.00
39	T	Methylcyclohexane	0.606	0.642	-5.9	79	0.00
40	TM	Benzene	1.465	1.542	-5.3	80	0.00
41	T	Methacrylonitrile	0.279	0.307	-10.0	78	0.00
42	TM	1,2-Dichloroethane	0.467	0.522	-11.8	85	0.00
43	T	Isopropyl Acetate	0.842	0.884	-5.0	77	0.00
44	TM	Trichloroethene	0.335	0.353	-5.4	81	0.00
45	C	1,2-Dichloropropane	0.364	0.389	-6.9#	81	0.00
46	T	Dibromomethane	0.253	0.270	-6.7	81	0.00
47	T	Bromodichloromethane	0.489	0.550	-12.5	84	0.00
48	T	Methyl methacrylate	0.397	0.433	-9.1	79	0.00

Sample Results: **VX044996.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021925\
Data File : VX044996.D
Acq On : 19 Feb 2025 10:52
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 20 02:33:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.009	0.009	0.0	74	0.00
50	S	Toluene-d8	1.229	1.088	11.5	67	0.00
51	T	4-Methyl-2-Pentanone	0.512	0.564	-10.2	78	0.00
52	CM	Toluene	0.872	0.938	-7.6#	80	0.00
53	T	t-1,3-Dichloropropene	0.495	0.533	-7.7	79	0.00
54	T	cis-1,3-Dichloropropene	0.552	0.603	-9.2	80	0.00
55	T	1,1,2-Trichloroethane	0.335	0.364	-8.7	82	0.00
56	T	Ethyl methacrylate	0.542	0.584	-7.7	77	0.00
57	T	1,3-Dichloropropane	0.587	0.640	-9.0	81	0.00
58	T	2-Chloroethyl Vinyl ether	0.266	0.299	-12.4	80	0.00
59	T	2-Hexanone	0.369	0.409	-10.8	77	0.00
60	T	Dibromochloromethane	0.359	0.404	-12.5	83	0.00
61	T	1,2-Dibromoethane	0.340	0.367	-7.9	80	0.00
62	S	4-Bromofluorobenzene	0.414	0.390	5.8	69	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	79	0.00
64	T	Tetrachloroethene	0.315	0.322	-2.2	82	0.00
65	PM	Chlorobenzene	1.074	1.120	-4.3	81	0.00
66	T	1,1,1,2-Tetrachloroethane	0.346	0.369	-6.6	82	0.00
67	C	Ethyl Benzene	1.895	1.990	-5.0#	81	0.00
68	T	m/p-Xylenes	0.699	0.740	-5.9	81	0.00
69	T	o-Xylene	0.701	0.722	-3.0	81	0.00
70	T	Styrene	1.130	1.230	-8.8	81	0.00
71	P	Bromoform	0.258	0.279	-8.1	79	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	81	0.00
73	T	Isopropylbenzene	4.026	4.113	-2.2	82	0.00
74	T	N-amyl acetate	1.822	1.876	-3.0	79	0.00
75	P	1,1,2,2-Tetrachloroethane	1.383	1.344	2.8	79	0.00
76	T	1,2,3-Trichloropropane	1.109	1.093	1.4	80	0.00
77	T	Bromobenzene	0.913	0.928	-1.6	82	0.00
78	T	n-propylbenzene	4.647	4.887	-5.2	83	0.00
79	T	2-Chlorotoluene	2.856	2.878	-0.8	82	0.00
80	T	1,3,5-Trimethylbenzene	3.267	3.396	-3.9	82	0.00
81	T	trans-1,4-Dichloro-2-butene	0.431	0.362	16.0	67	0.00
82	T	4-Chlorotoluene	3.160	3.299	-4.4	83	0.00
83	T	tert-Butylbenzene	3.305	3.456	-4.6	84	0.00
84	T	1,2,4-Trimethylbenzene	3.225	3.421	-6.1	82	0.00
85	T	sec-Butylbenzene	4.093	4.356	-6.4	85	0.00
86	T	p-Isopropyltoluene	3.291	3.516	-6.8	83	0.00
87	T	1,3-Dichlorobenzene	1.678	1.777	-5.9	85	0.00
88	T	1,4-Dichlorobenzene	1.697	1.753	-3.3	84	0.00
89	T	n-Butylbenzene	2.912	3.272	-12.4	85	0.00
90	T	Hexachloroethane	0.616	0.610	1.0	80	0.00
91	T	1,2-Dichlorobenzene	1.650	1.704	-3.3	82	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.252	0.249	1.2	78	0.00
93	T	1,2,4-Trichlorobenzene	0.998	1.092	-9.4	87	0.00
94	T	Hexachlorobutadiene	0.396	0.434	-9.6	91	0.00
95	T	Naphthalene	3.608	3.752	-4.0	80	0.00

Sample Results: **VX044996.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021925\
Data File : VX044996.D
Acq On : 19 Feb 2025 10:52
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 20 02:33:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.006	1.098	-9.1	86	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX044996.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021925\
Data File : VX044996.D
Acq On : 19 Feb 2025 10:52
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 20 02:33:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	79	0.00
2	T	Dichlorodifluoromethane	50.000	49.948	0.1	79	0.00
3	P	Chloromethane	50.000	46.454	7.1	75	0.00
4	C	Vinyl Chloride	50.000	48.126	3.7#	78	0.00
5	T	Bromomethane	50.000	50.285	-0.6	79	0.00
6	T	Chloroethane	50.000	97.753	-95.5#	116	0.00
7	T	Trichlorofluoromethane	50.000	50.777	-1.6	82	0.00
8	T	Diethyl Ether	50.000	53.971	-7.9	86	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.369	-0.7	81	0.00
10	T	Methyl Iodide	50.000	45.595	8.8	70	0.00
11	T	Tert butyl alcohol	250.000	217.460	13.0	69	0.00
12	CM	1,1-Dichloroethene	50.000	48.490	3.0#	79	0.00
13	T	Acrolein	250.000	205.357	17.9	64	0.00
14	T	Allyl chloride	50.000	49.534	0.9	79	0.00
15	T	Acrylonitrile	250.000	246.808	1.3	75	0.00
16	T	Acetone	250.000	249.356	0.3	79	0.00
17	T	Carbon Disulfide	50.000	45.163	9.7	72	0.00
18	T	Methyl Acetate	50.000	51.750	-3.5	81	0.00
19	T	Methyl tert-butyl Ether	50.000	50.417	-0.8	80	0.00
20	T	Methylene Chloride	50.000	49.380	1.2	80	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.502	3.0	76	0.00
22	T	Diisopropyl ether	50.000	52.711	-5.4	82	0.00
23	T	Vinyl Acetate	250.000	257.688	-3.1	79	0.00
24	P	1,1-Dichloroethane	50.000	50.844	-1.7	81	0.00
25	T	2-Butanone	250.000	253.117	-1.2	76	-0.01
26	T	2,2-Dichloropropane	50.000	49.591	0.8	81	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.832	-1.7	81	0.00
28	T	Bromochloromethane	50.000	50.228	-0.5	81	0.00
29	T	Tetrahydrofuran	250.000	248.446	0.6	76	0.00
30	C	Chloroform	50.000	51.947	-3.9#	84	0.00
31	T	Cyclohexane	50.000	48.500	3.0	78	0.00
32	T	1,1,1-Trichloroethane	50.000	51.747	-3.5	83	0.00
33	S	1,2-Dichloroethane-d4	50.000	44.794	10.4	72	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	76	0.00
35	S	Dibromofluoromethane	50.000	45.425	9.2	70	0.00
36	T	1,1-Dichloropropene	50.000	51.033	-2.1	79	0.00
37	T	Ethyl Acetate	50.000	49.567	0.9	75	0.00
38	T	Carbon Tetrachloride	50.000	53.220	-6.4	83	0.00
39	T	Methylcyclohexane	50.000	52.925	-5.8	79	0.00
40	TM	Benzene	50.000	52.641	-5.3	80	0.00
41	T	Methacrylonitrile	50.000	55.024	-10.0	78	0.00
42	TM	1,2-Dichloroethane	50.000	55.945	-11.9	85	0.00
43	T	Isopropyl Acetate	50.000	52.490	-5.0	77	0.00
44	TM	Trichloroethene	50.000	52.769	-5.5	81	0.00
45	C	1,2-Dichloropropane	50.000	53.362	-6.7#	81	0.00
46	T	Dibromomethane	50.000	53.463	-6.9	81	0.00
47	T	Bromodichloromethane	50.000	56.192	-12.4	84	0.00
48	T	Methyl methacrylate	50.000	54.500	-9.0	79	0.00

Sample Results: **VX044996.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021925\
Data File : VX044996.D
Acq On : 19 Feb 2025 10:52
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 20 02:33:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1027.728	-2.8	74	0.00
50	S	Toluene-d8	50.000	44.245	11.5	67	0.00
51	T	4-Methyl-2-Pentanone	250.000	275.429	-10.2	78	0.00
52	CM	Toluene	50.000	53.781	-7.6#	80	0.00
53	T	t-1,3-Dichloropropene	50.000	53.787	-7.6	79	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.623	-9.2	80	0.00
55	T	1,1,2-Trichloroethane	50.000	54.318	-8.6	82	0.00
56	T	Ethyl methacrylate	50.000	53.894	-7.8	77	0.00
57	T	1,3-Dichloropropane	50.000	54.527	-9.1	81	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	281.503	-12.6	80	0.00
59	T	2-Hexanone	250.000	276.768	-10.7	77	0.00
60	T	Dibromochloromethane	50.000	56.285	-12.6	83	0.00
61	T	1,2-Dibromoethane	50.000	53.948	-7.9	80	0.00
62	S	4-Bromofluorobenzene	50.000	47.015	6.0	69	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	79	0.00
64	T	Tetrachloroethene	50.000	51.024	-2.0	82	0.00
65	PM	Chlorobenzene	50.000	52.161	-4.3	81	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	53.322	-6.6	82	0.00
67	C	Ethyl Benzene	50.000	52.512	-5.0#	81	0.00
68	T	m/p-Xylenes	100.000	105.892	-5.9	81	0.00
69	T	o-Xylene	50.000	51.460	-2.9	81	0.00
70	T	Styrene	50.000	54.439	-8.9	81	0.00
71	P	Bromoform	50.000	54.156	-8.3	79	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	81	0.00
73	T	Isopropylbenzene	50.000	51.082	-2.2	82	0.00
74	T	N-amyl acetate	50.000	51.492	-3.0	79	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.572	2.9	79	0.00
76	T	1,2,3-Trichloropropane	50.000	49.296	1.4	80	0.00
77	T	Bromobenzene	50.000	50.832	-1.7	82	0.00
78	T	n-propylbenzene	50.000	52.583	-5.2	83	0.00
79	T	2-Chlorotoluene	50.000	50.395	-0.8	82	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.973	-3.9	82	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	41.983	16.0	67	0.00
82	T	4-Chlorotoluene	50.000	52.203	-4.4	83	0.00
83	T	tert-Butylbenzene	50.000	52.280	-4.6	84	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.050	-6.1	82	0.00
85	T	sec-Butylbenzene	50.000	53.219	-6.4	85	0.00
86	T	p-Isopropyltoluene	50.000	53.418	-6.8	83	0.00
87	T	1,3-Dichlorobenzene	50.000	52.944	-5.9	85	0.00
88	T	1,4-Dichlorobenzene	50.000	51.658	-3.3	84	0.00
89	T	n-Butylbenzene	50.000	56.182	-12.4	85	0.00
90	T	Hexachloroethane	50.000	49.470	1.1	80	0.00
91	T	1,2-Dichlorobenzene	50.000	51.642	-3.3	82	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.274	1.5	78	0.00
93	T	1,2,4-Trichlorobenzene	50.000	54.679	-9.4	87	0.00
94	T	Hexachlorobutadiene	50.000	54.721	-9.4	91	0.00
95	T	Naphthalene	50.000	51.985	-4.0	80	0.00

Sample Results: **VX044996.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021925\
Data File : VX044996.D
Acq On : 19 Feb 2025 10:52
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 20 02:33:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	54.575	-9.2	86	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

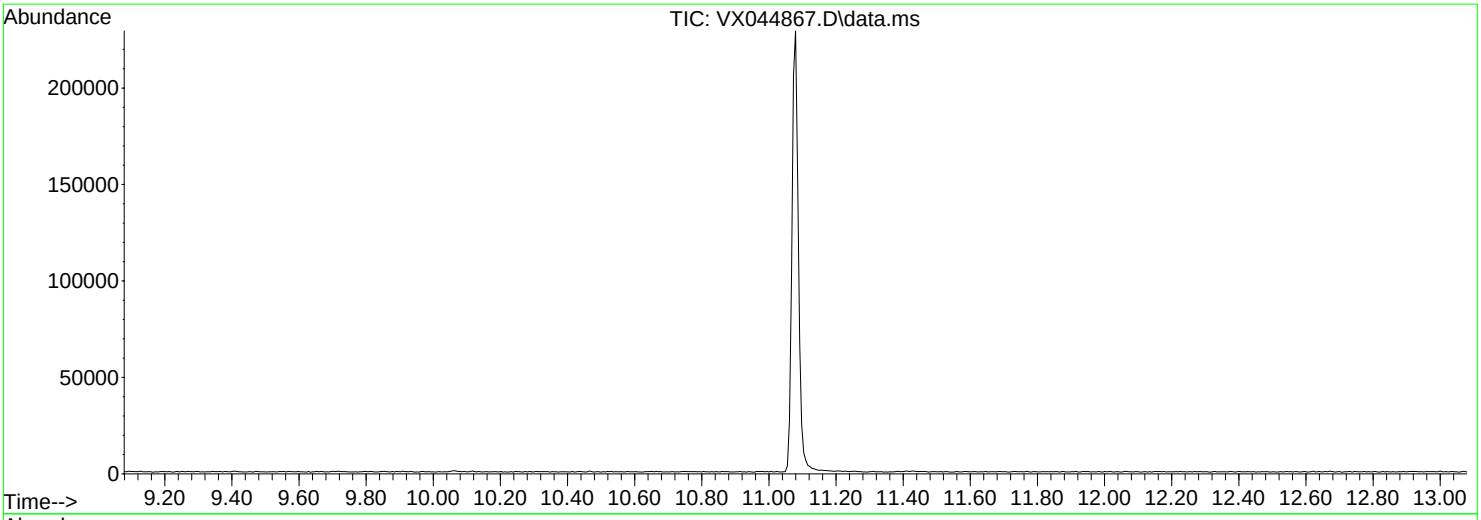
Sample Results: **VX044867.D**

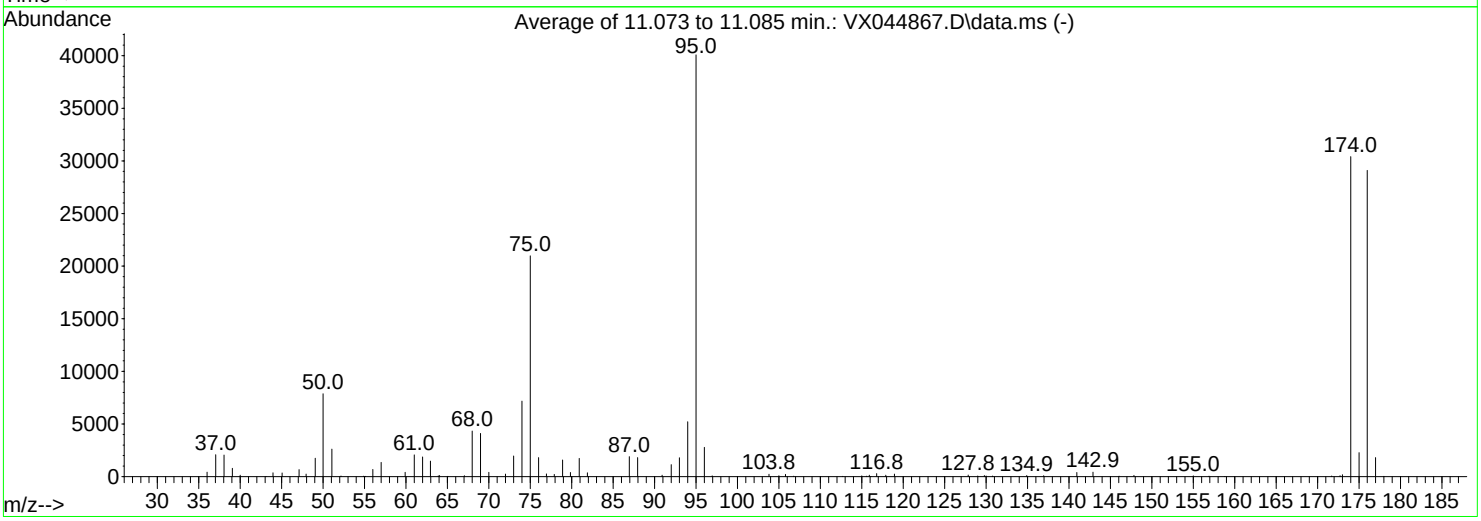
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044867.D
Acq On : 10 Feb 2025 09:35
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Title : SW846 8260
Last Update : Tue Feb 11 03:41:08 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	19.7	7876	PASS
75	95	30	60	52.3	20977	PASS
95	95	100	100	100.0	40077	PASS
96	95	5	9	6.9	2783	PASS
173	174	0.00	2	0.6	186	PASS
174	95	50	100	75.9	30400	PASS
175	174	5	9	7.5	2286	PASS
176	174	95	101	95.7	29104	PASS
177	176	5	9	6.2	1810	PASS

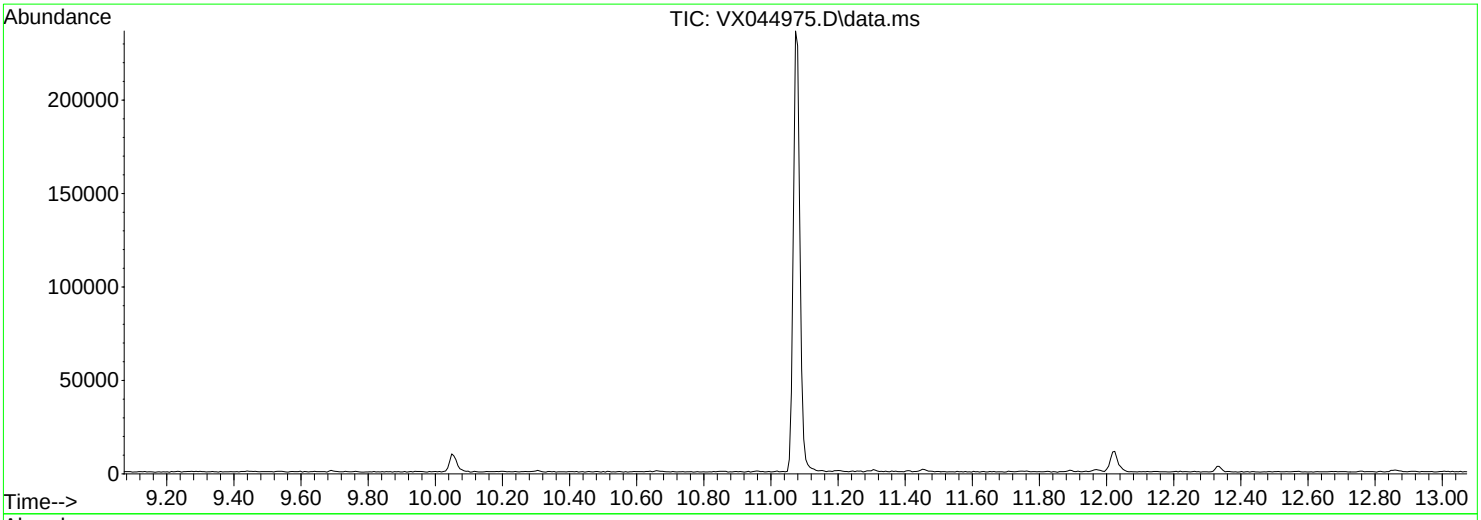
Sample Results: **VX044975.D**

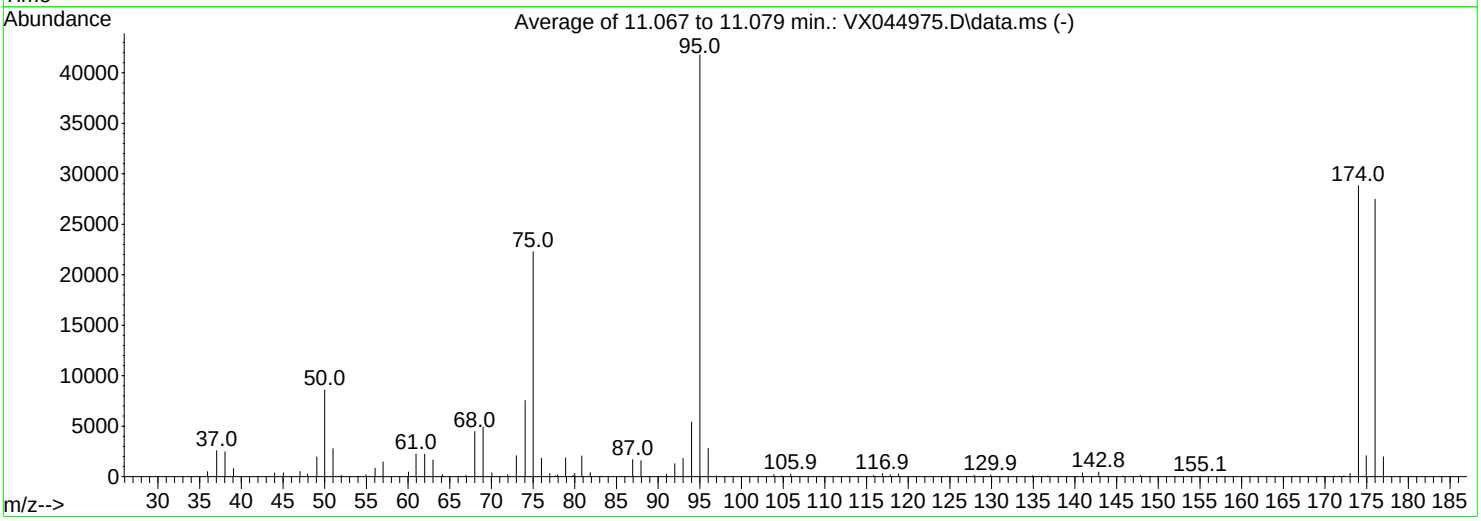
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044975.D
Acq On : 18 Feb 2025 09:46
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Title : SW846 8260
Last Update : Tue Feb 11 03:41:08 2025





AutoFind: Scans 1637, 1638, 1639; 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	20.5	8576	PASS
75	95	30	60	53.4	22293	PASS
95	95	100	100	100.0	41784	PASS
96	95	5	9	6.7	2810	PASS
173	174	0.00	2	1.1	311	PASS
174	95	50	100	69.0	28824	PASS
175	174	5	9	7.2	2082	PASS
176	174	95	101	95.3	27481	PASS
177	176	5	9	7.2	1967	PASS

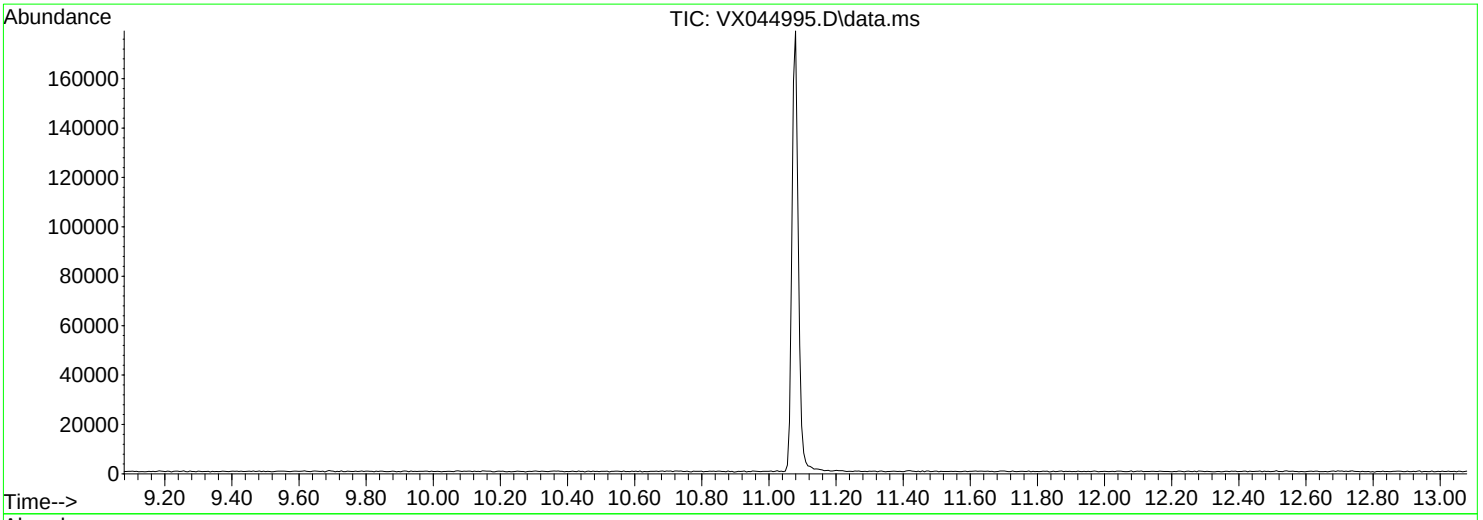
Sample Results: **VX044995.D**

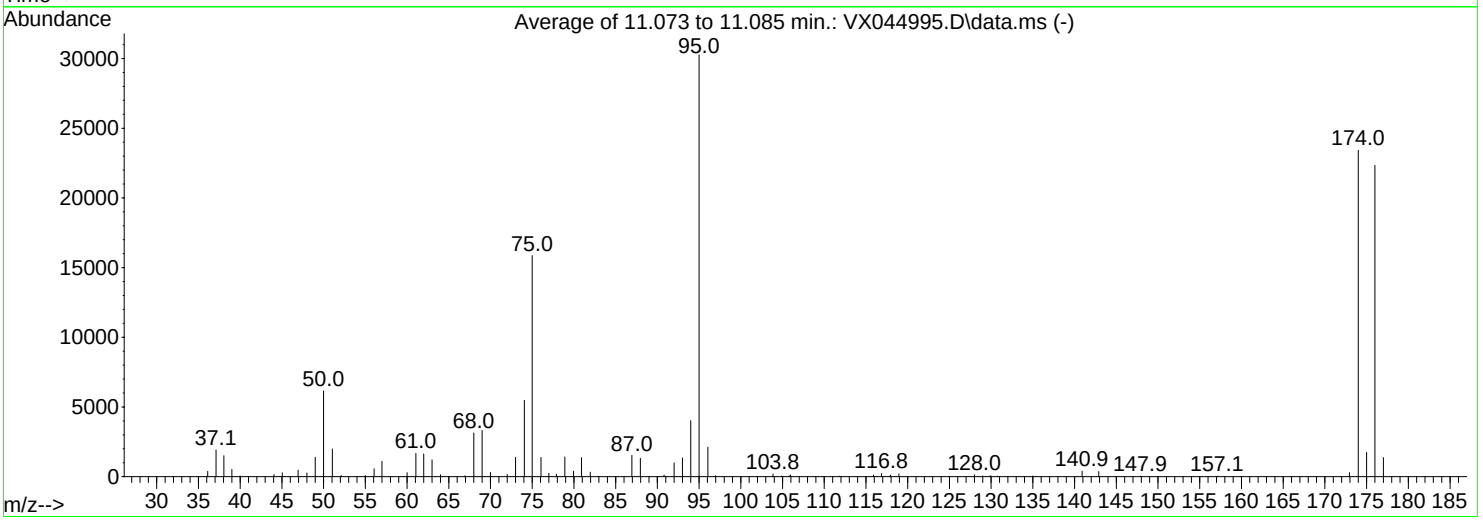
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021925\
Data File : VX044995.D
Acq On : 19 Feb 2025 09:57
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Title : SW846 8260
Last Update : Tue Feb 11 03:41:08 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	20.3	6155	PASS
75	95	30	60	52.4	15869	PASS
95	95	100	100	100.0	30267	PASS
96	95	5	9	7.0	2111	PASS
173	174	0.00	2	1.2	282	PASS
174	95	50	100	77.3	23411	PASS
175	174	5	9	7.5	1746	PASS
176	174	95	101	95.4	22344	PASS
177	176	5	9	6.1	1369	PASS

Raw Data: **VX044978.D**

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

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	1267 Forest Ave Staten Island NY	Date Received:	
Client Sample ID:	VX0218WBL01	SDG No.:	Q1376
Lab Sample ID:	VX0218WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044978.D	1		02/18/25 11:31	VX021825

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

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

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	1267 Forest Ave Staten Island NY	Date Received:	
Client Sample ID:	VX0218WBL01	SDG No.:	Q1376
Lab Sample ID:	VX0218WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044978.D	1		02/18/25 11:31	VX021825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.9		74 - 125	114%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	51.9		86 - 113	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.4		77 - 121	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	92900	5.55			
540-36-3	1,4-Difluorobenzene	191000	6.757			
3114-55-4	Chlorobenzene-d5	185000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	91300	12.018			

Raw Data: **VX044978.D**

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

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	1267 Forest Ave Staten Island NY	Date Received:	
Client Sample ID:	VX0218WBL01	SDG No.:	Q1376
Lab Sample ID:	VX0218WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044978.D	1		02/18/25 11:31	VX021825

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_X\Data\VX021825\
Data File : VX044978.D
Acq On : 18 Feb 2025 11:31
Operator : JC/MD
Sample : VX0218WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBL01

Quant Time: Feb 18 11:57:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

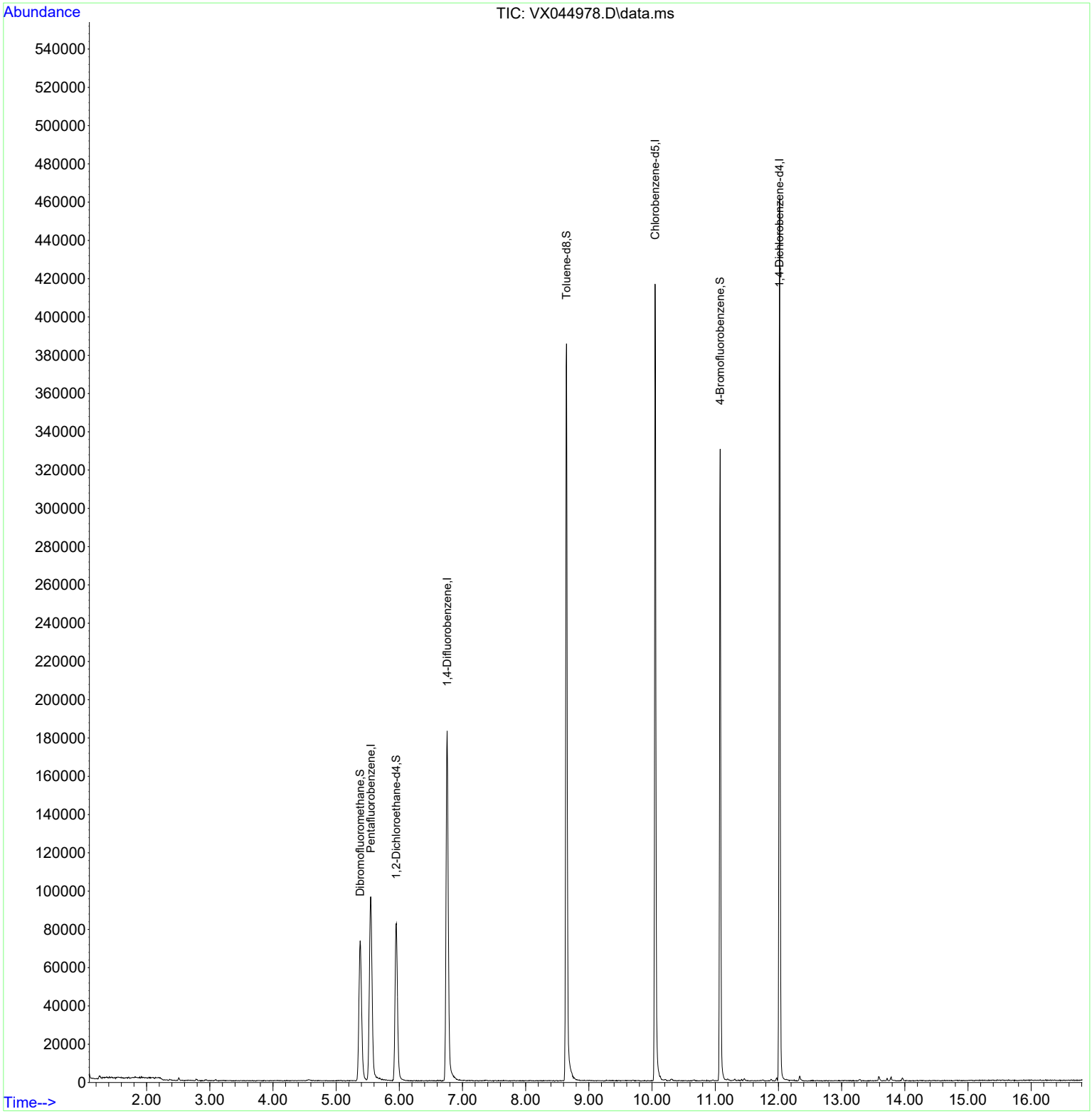
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	92895	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	191012	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	185140	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	91305	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	77390	56.91	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.82%			
35) Dibromofluoromethane	5.379	113	65431	52.69	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.38%			
50) Toluene-d8	8.647	98	243600	51.87	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.74%			
62) 4-Bromofluorobenzene	11.079	95	89284	56.40	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 112.80%			
Target Compounds						Qvalue

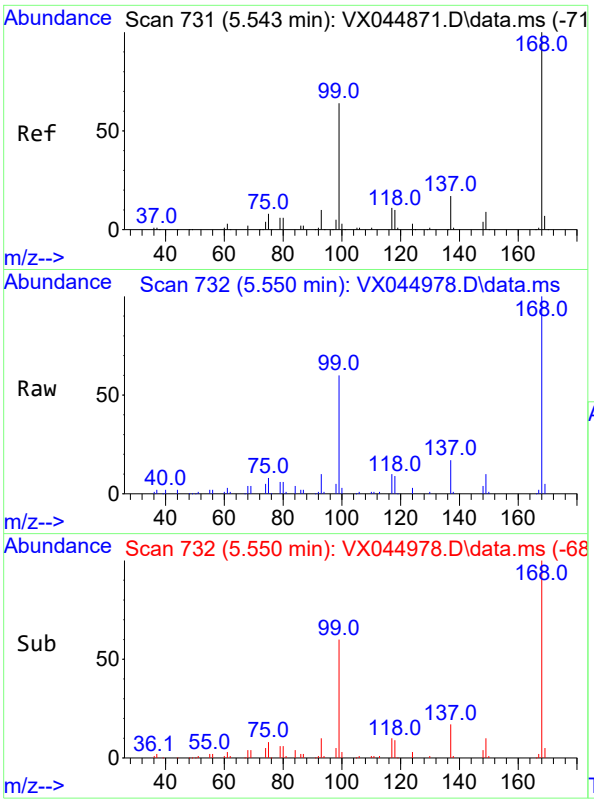
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044978.D
Acq On : 18 Feb 2025 11:31
Operator : JC/MD
Sample : VX0218WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBL01

Quant Time: Feb 18 11:57:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration



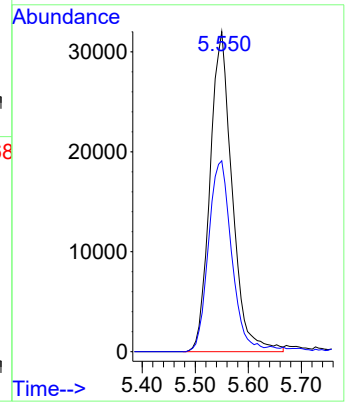


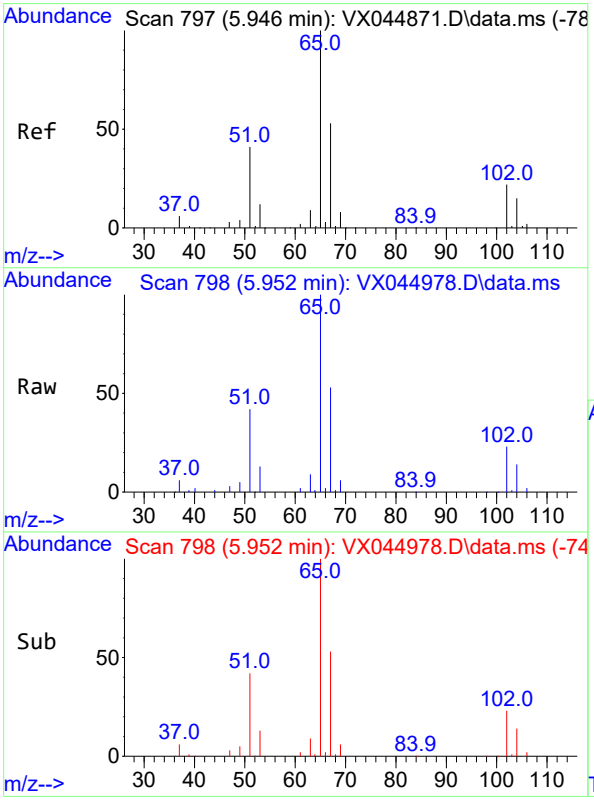
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.007 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBL01

Tgt Ion:168 Resp: 92895

Ion	Ratio	Lower	Upper
168	100		
99	59.6	51.2	76.8

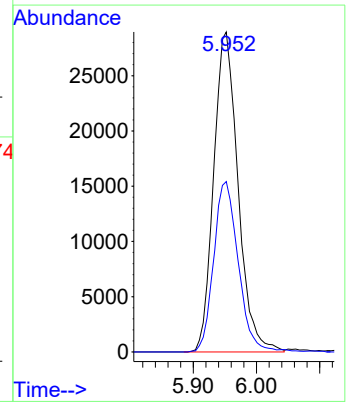


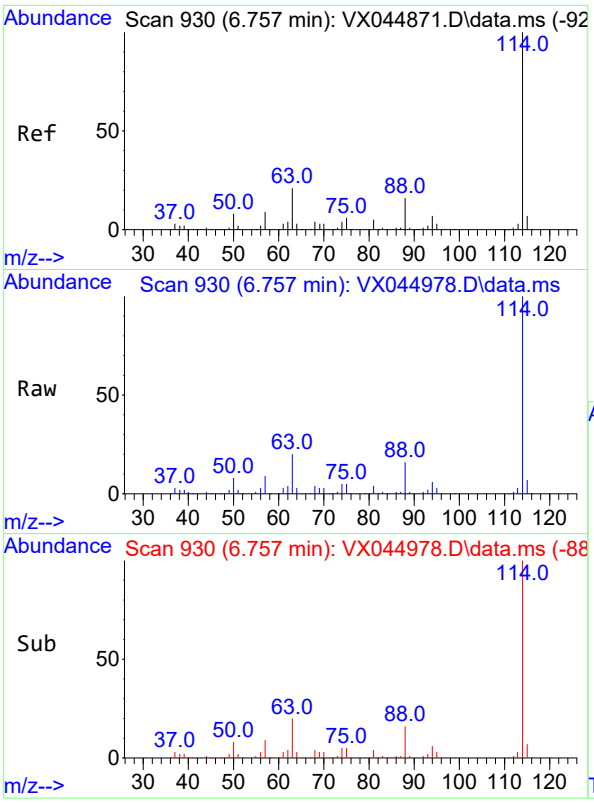


#33
1,2-Dichloroethane-d4
Concen: 56.91 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

Tgt Ion: 65 Resp: 77390

Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	108.2



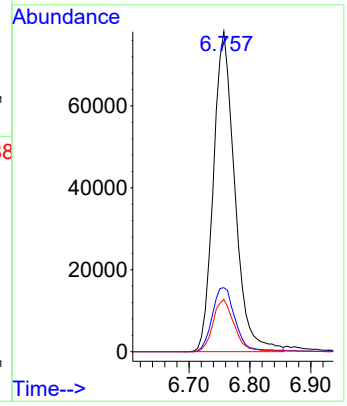


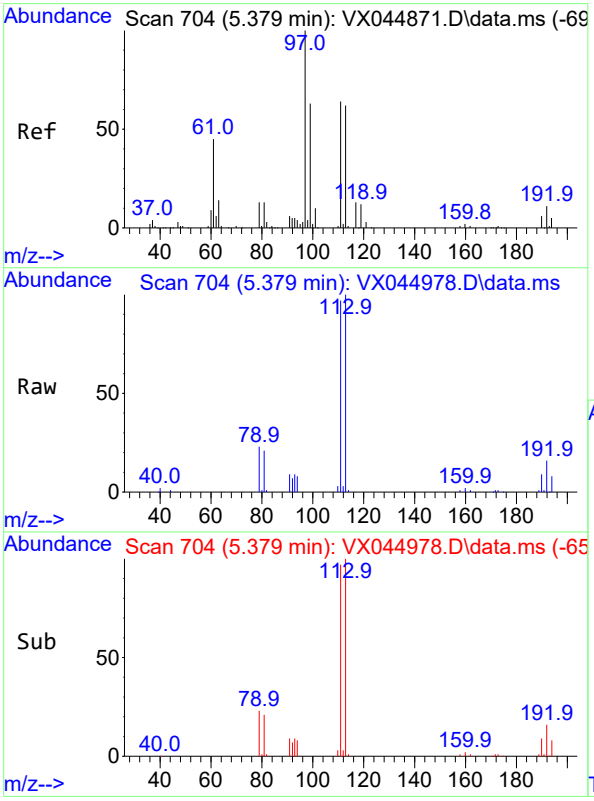
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBL01

Tgt Ion:114 Resp: 191012

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	42.4
88	16.3	0.0	31.4

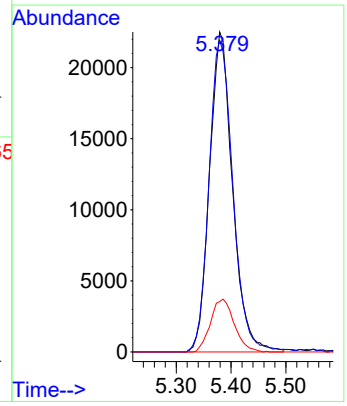


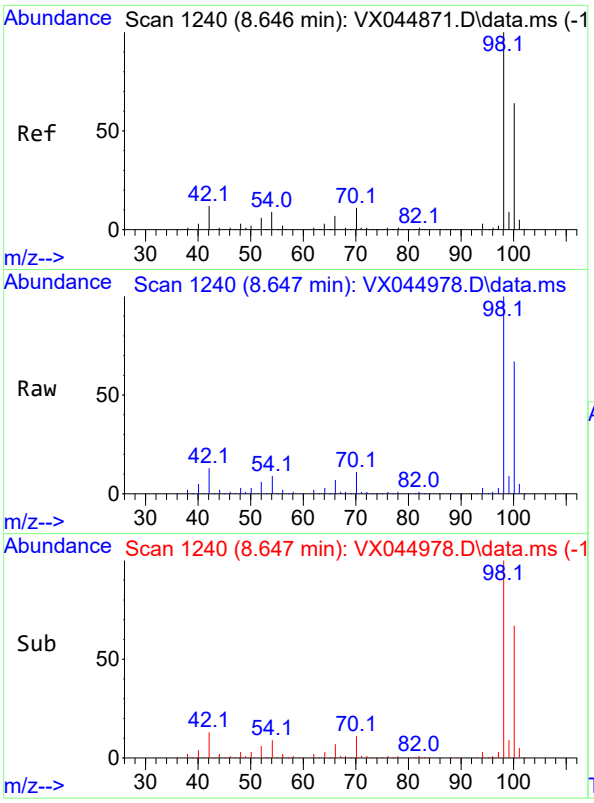


#35
Dibromofluoromethane
Concen: 52.69 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

Tgt Ion:113 Resp: 65431

Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.5	125.3
192	17.1	14.4	21.6



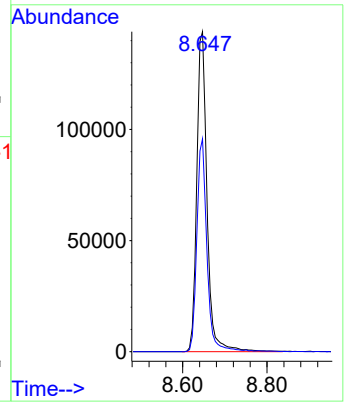


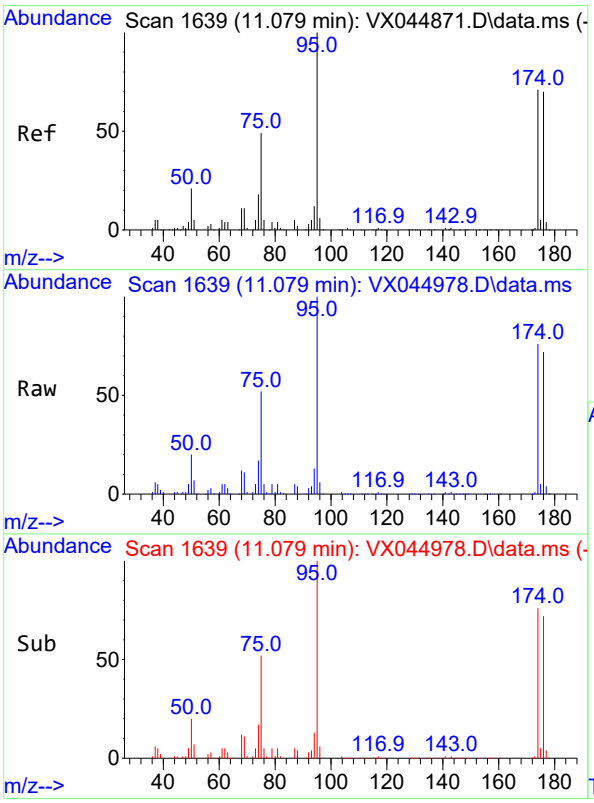
#50
Toluene-d8
Concen: 51.87 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBL01

Tgt Ion: 98 Resp: 243600

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.7	79.1

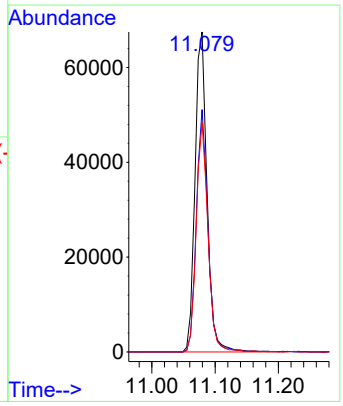


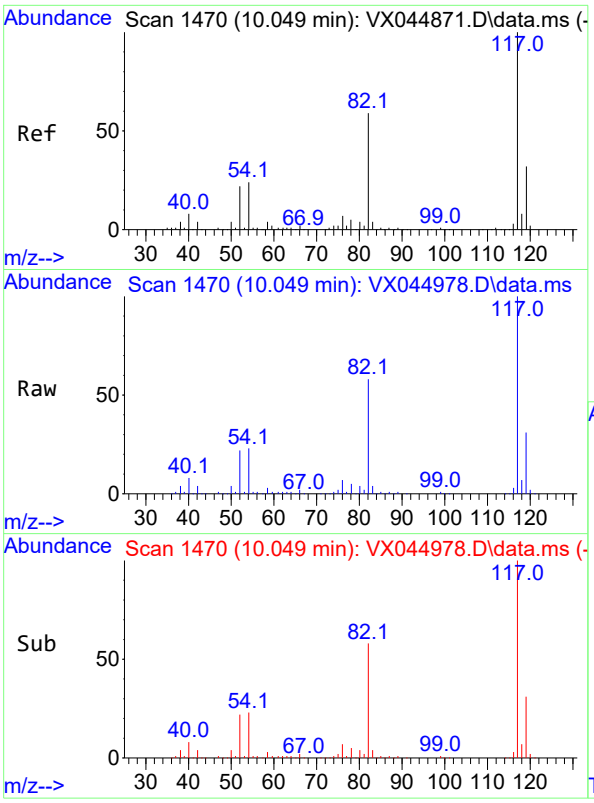


#62
4-Bromofluorobenzene
Concen: 56.40 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

Tgt Ion: 95 Resp: 89284

Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	142.6
176	70.1	0.0	141.6



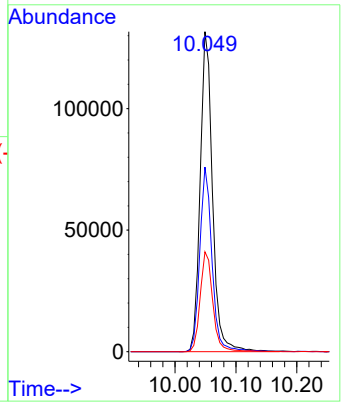


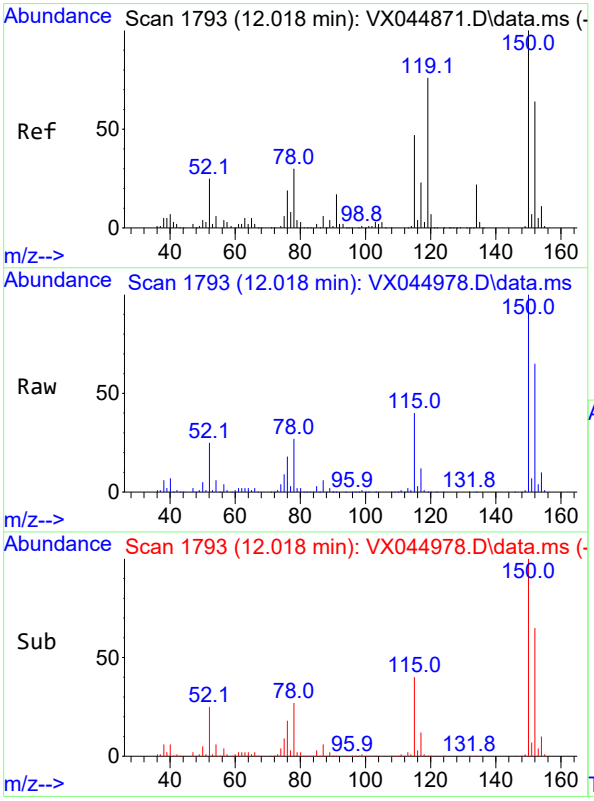
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBL01

Tgt Ion:117 Resp: 185140

Ion	Ratio	Lower	Upper
117	100		
82	57.7	47.5	71.3
119	31.2	25.4	38.0

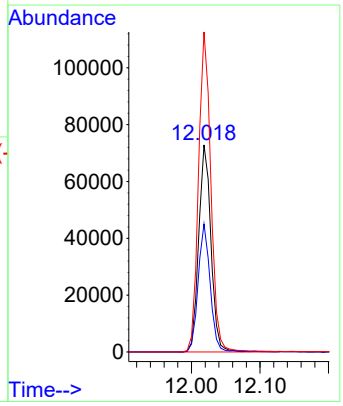




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

Tgt Ion:152 Resp: 91305

Ion	Ratio	Lower	Upper
152	100		
115	60.2	43.4	130.1
150	155.1	0.0	350.4



Sample Results: **VX044978.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044978.D
Acq On : 18 Feb 2025 11:31
Operator : JC/MD
Sample : VX0218WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Title : SW846 8260

Signal : TIC: VX044978.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.379	693	704	720	rBV2	73225	217144	33.19%	6.320%
2	5.550	720	732	746	rBV	95658	283992	43.41%	8.266%
3	5.952	788	798	818	rBV	82300	224234	34.28%	6.527%
4	6.757	921	930	948	rBV	182658	453656	69.34%	13.204%
5	8.647	1233	1240	1258	rBV	385137	654215	100.00%	19.042%
6	10.049	1464	1470	1482	rBV	416355	583649	89.21%	16.988%
7	11.079	1634	1639	1651	rBV	329870	435448	66.56%	12.675%
8	12.018	1788	1793	1808	rBV	460606	583284	89.16%	16.978%

Sum of corrected areas: 3435622

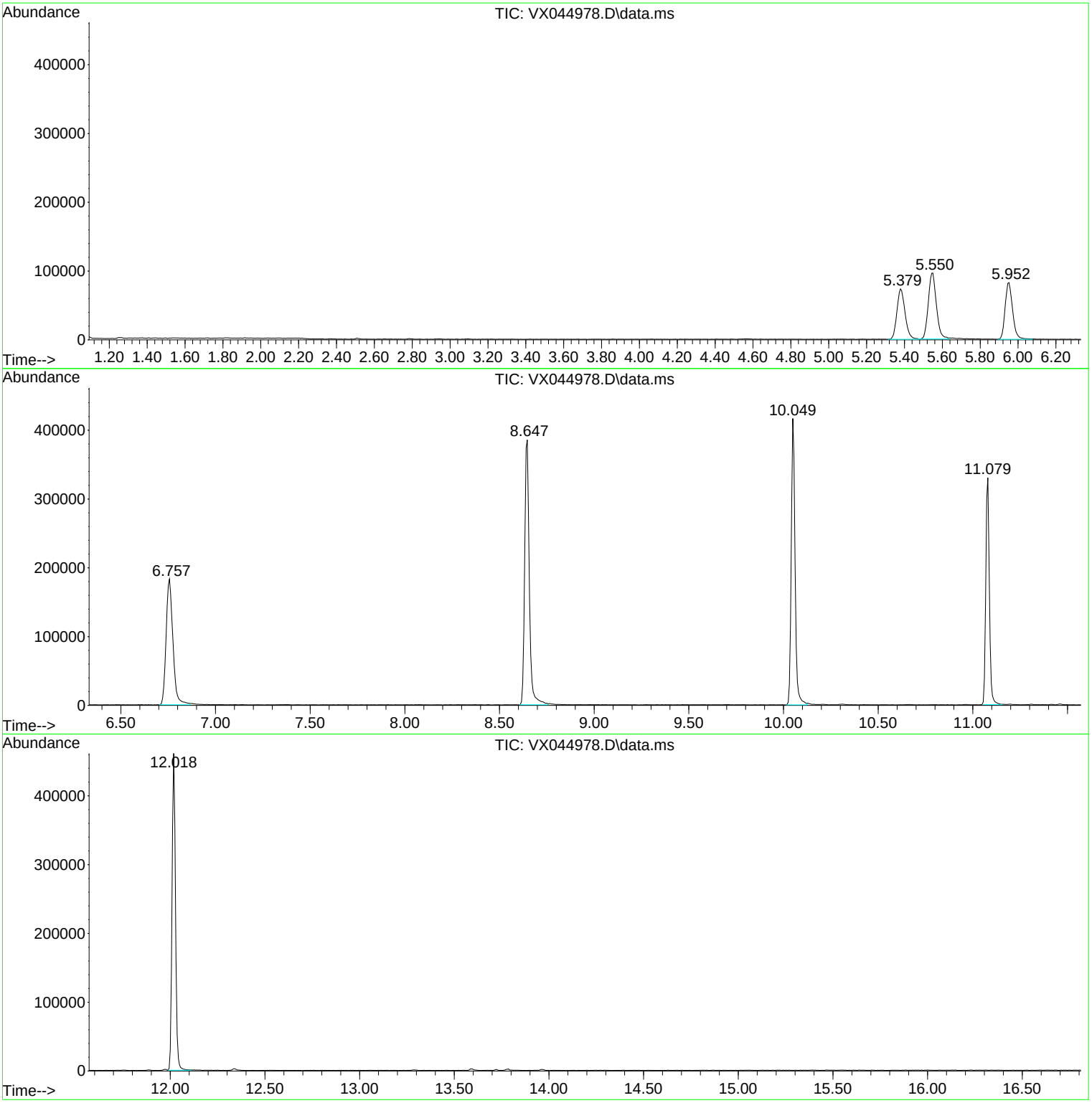
Sample Results: **VX044978.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044978.D
Acq On : 18 Feb 2025 11:31
Operator : JC/MD
Sample : VX0218WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX044978.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044978.D
Acq On : 18 Feb 2025 11:31
Operator : JC/MD
Sample : VX0218WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044978.D
Acq On : 18 Feb 2025 11:31
Operator : JC/MD
Sample : VX0218WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

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

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

Raw Data: **VX044998.D**

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

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	1267 Forest Ave Staten Island NY	Date Received:	
Client Sample ID:	VX0219WBL01	SDG No.:	Q1376
Lab Sample ID:	VX0219WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044998.D	1		02/19/25 11:43	VX021925

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

Raw Data: **VX044998.D**

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

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	1267 Forest Ave Staten Island NY	Date Received:	
Client Sample ID:	VX0219WBL01	SDG No.:	Q1376
Lab Sample ID:	VX0219WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044998.D	1		02/19/25 11:43	VX021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.8		74 - 125	110%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	51.0		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.8		77 - 121	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	99000	5.537			
540-36-3	1,4-Difluorobenzene	201000	6.757			
3114-55-4	Chlorobenzene-d5	186000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	85400	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VX044998.D**

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

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	1267 Forest Ave Staten Island NY	Date Received:	
Client Sample ID:	VX0219WBL01	SDG No.:	Q1376
Lab Sample ID:	VX0219WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044998.D	1		02/19/25 11:43	VX021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	19.4	J		1.24	ug/L

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021925\
Data File : VX044998.D
Acq On : 19 Feb 2025 11:43
Operator : JC/MD
Sample : VX0219WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBL01

Quant Time: Feb 20 02:35:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	98956	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	201046	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	186227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	85446	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	79349	54.779	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.560%			
35) Dibromofluoromethane	5.373	113	67771	51.847	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.700%			
50) Toluene-d8	8.641	98	251891	50.961	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.920%			
62) 4-Bromofluorobenzene	11.079	95	89636	53.793	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.580%			

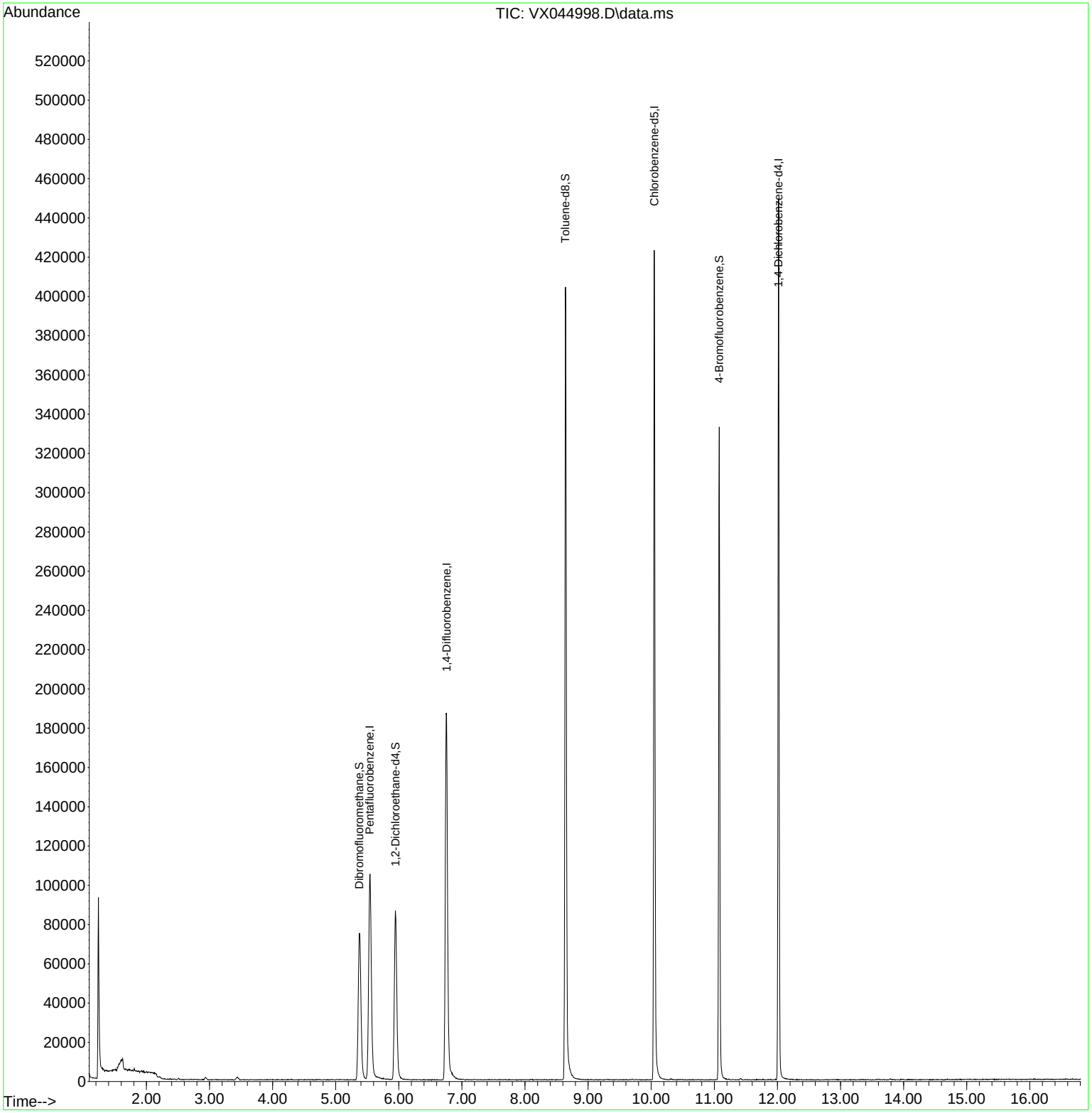
Target Compounds Qvalue

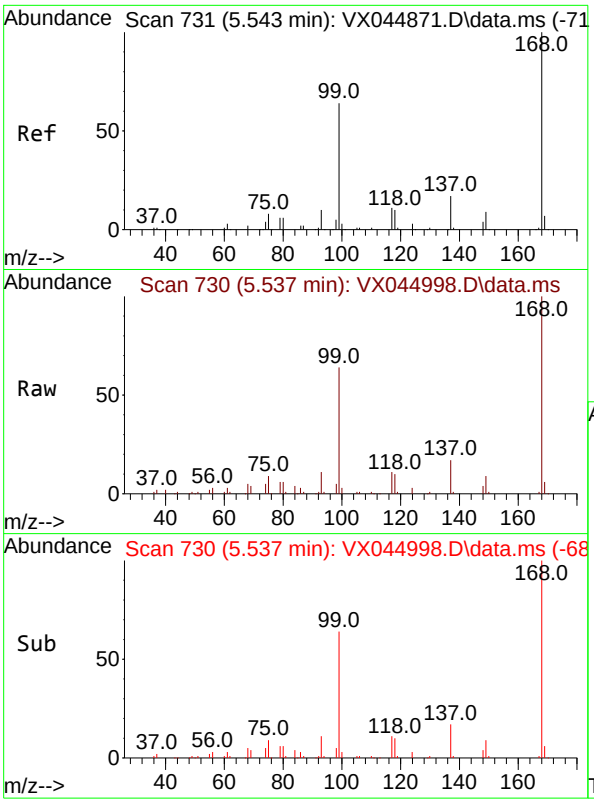
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021925\
Data File : VX044998.D
Acq On : 19 Feb 2025 11:43
Operator : JC/MD
Sample : VX0219WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBL01

Quant Time: Feb 20 02:35:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration



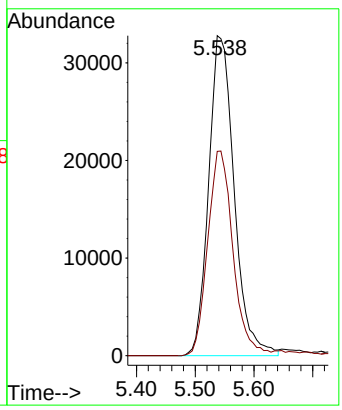


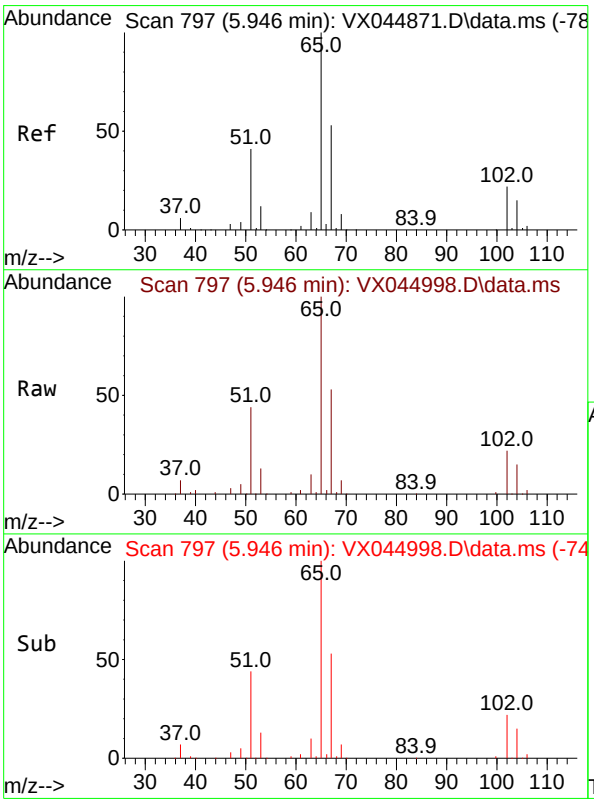
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044998.D
Acq: 19 Feb 2025 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBL01

Tgt Ion:168 Resp: 98956

Ion	Ratio	Lower	Upper
168	100		
99	63.8	51.2	76.8

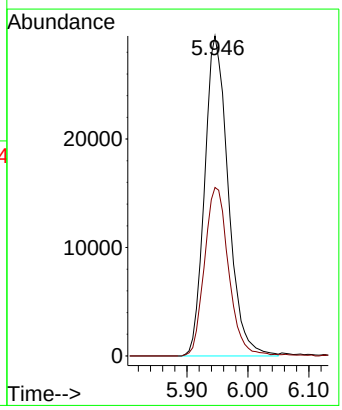


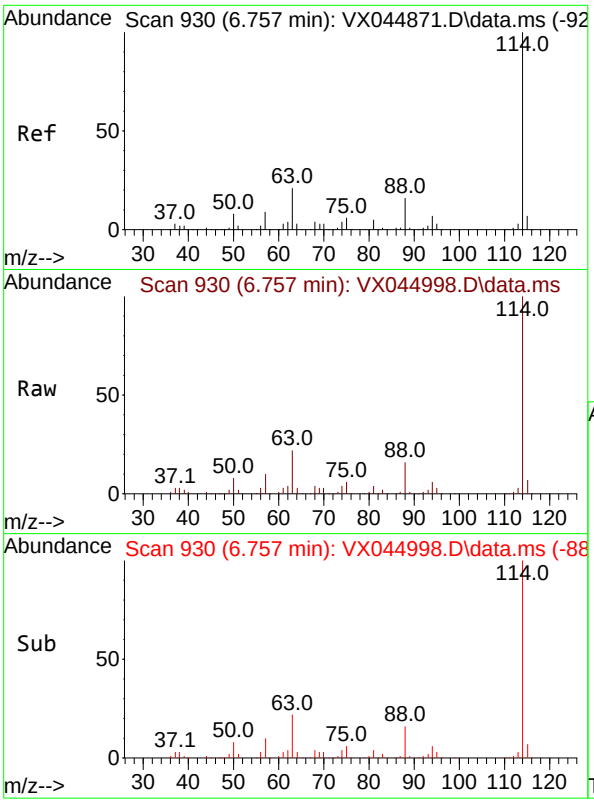


#33
1,2-Dichloroethane-d4
Concen: 54.779 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.000 min
Lab File: VX044998.D
Acq: 19 Feb 2025 11:43

Tgt Ion: 65 Resp: 79349

Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	108.2



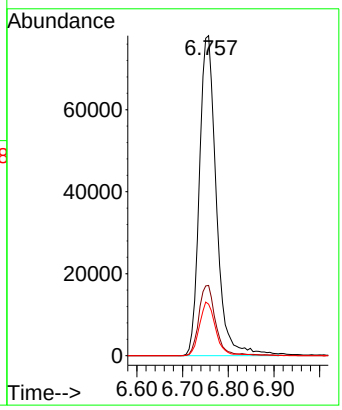


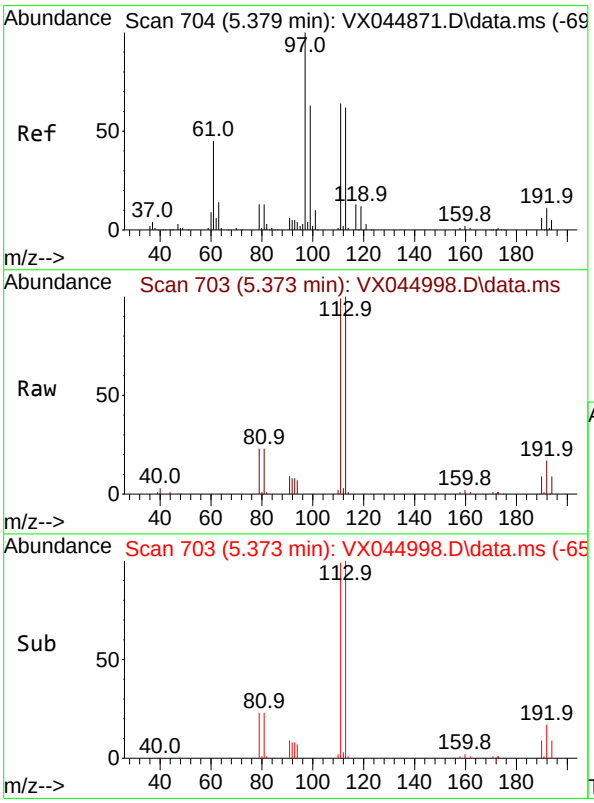
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX044998.D
Acq: 19 Feb 2025 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBL01

Tgt Ion:114 Resp: 201046

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	42.4
88	16.1	0.0	31.4

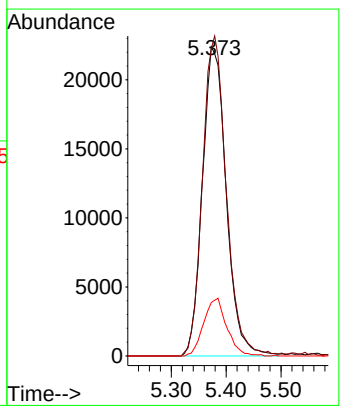


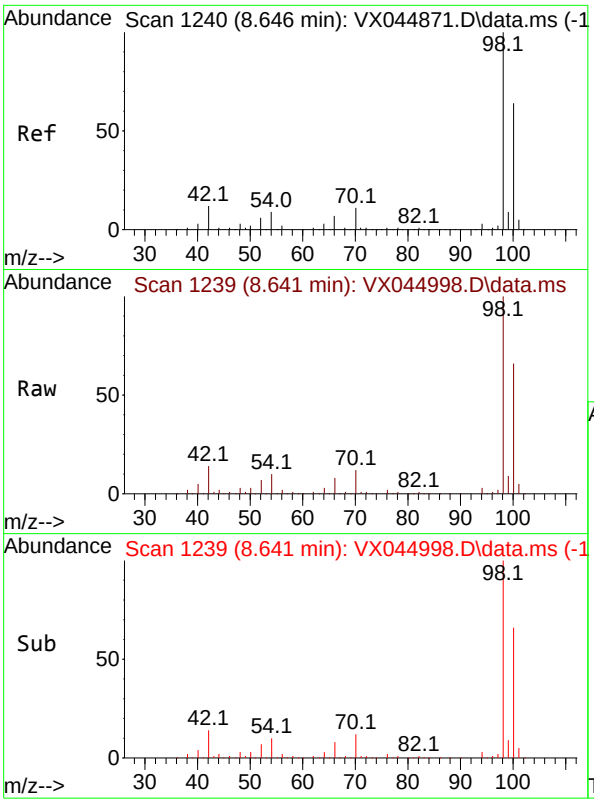


#35
Dibromofluoromethane
Concen: 51.847 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX044998.D
Acq: 19 Feb 2025 11:43

Tgt Ion:113 Resp: 67771

Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.5	125.3
192	18.0	14.4	21.6



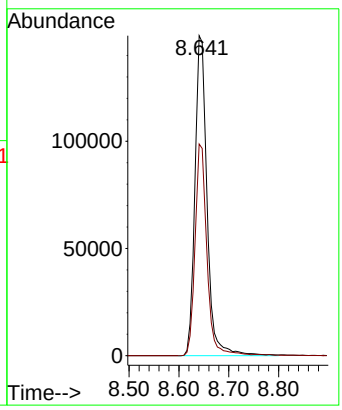


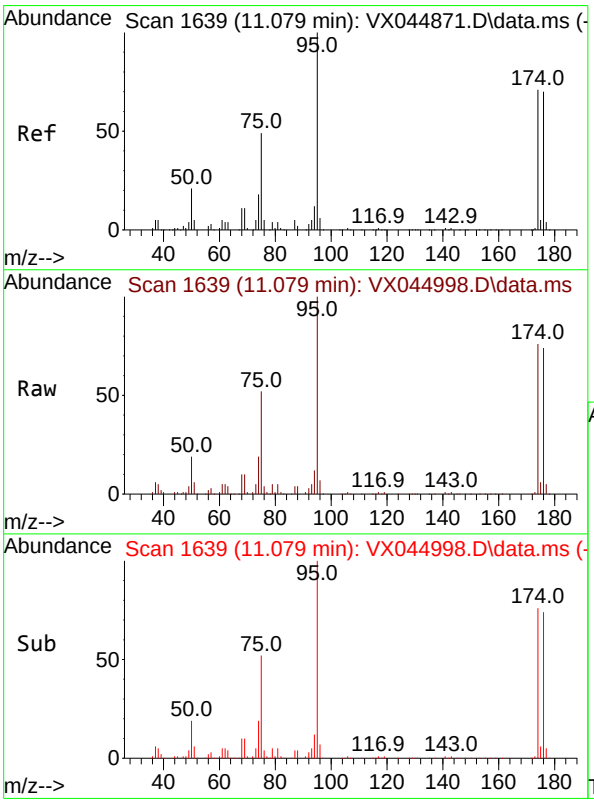
#50
Toluene-d8
Concen: 50.961 ug/l
RT: 8.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044998.D
Acq: 19 Feb 2025 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBL01

Tgt Ion: 98 Resp: 251891

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.7	79.1

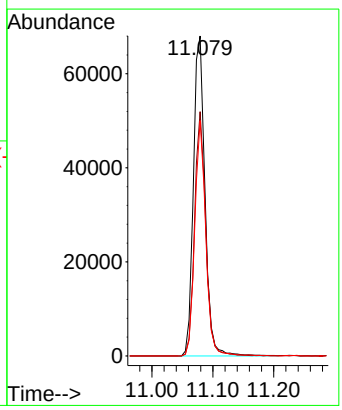


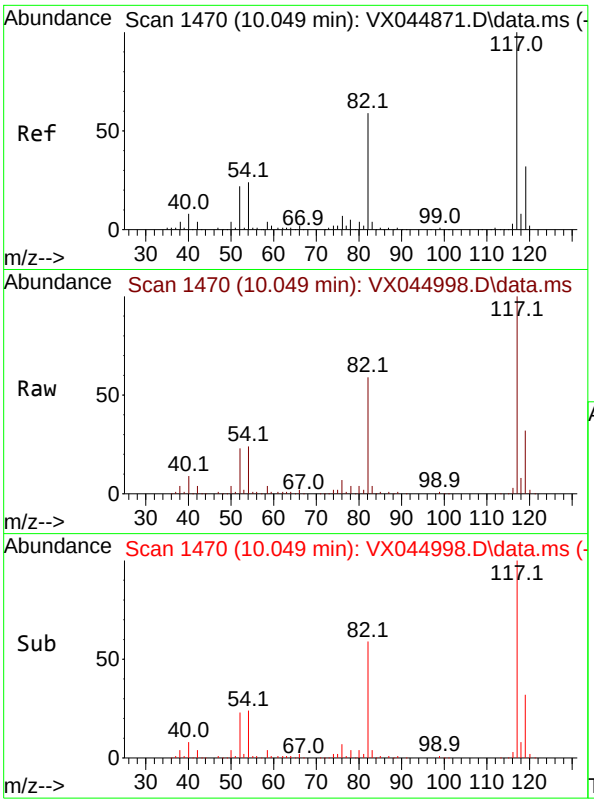


#62
4-Bromofluorobenzene
Concen: 53.793 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044998.D
Acq: 19 Feb 2025 11:43

Tgt Ion: 95 Resp: 89636

Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	142.6
176	69.9	0.0	141.6



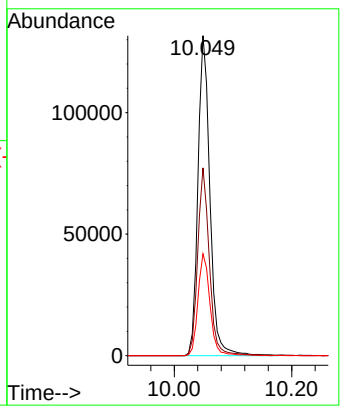


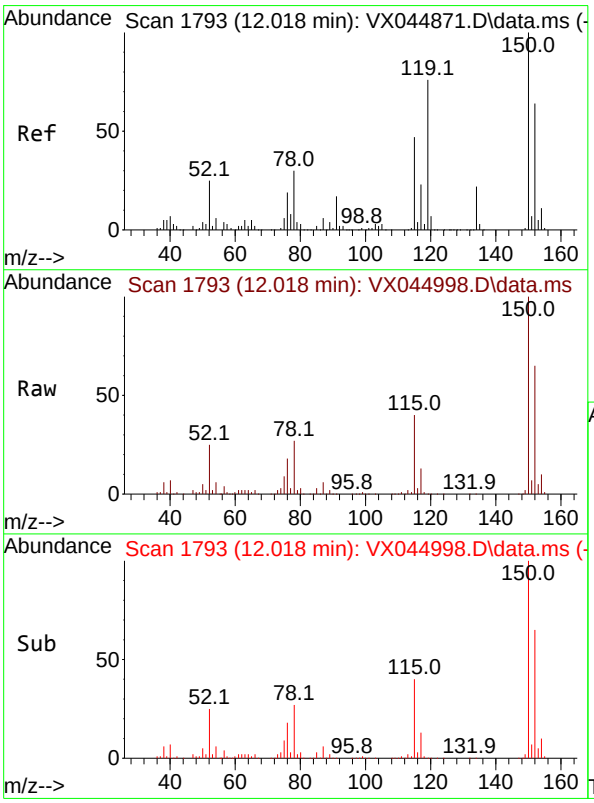
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044998.D
Acq: 19 Feb 2025 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBL01

Tgt Ion:117 Resp: 186227

Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.5	71.3
119	31.9	25.4	38.0

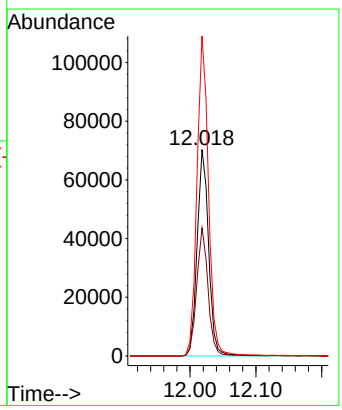




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044998.D
Acq: 19 Feb 2025 11:43

Tgt Ion:152 Resp: 85446

Ion	Ratio	Lower	Upper
152	100		
115	61.5	43.4	130.1
150	156.0	0.0	350.4



LSC Area Percent Report

Sample Results: **VX044998.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021925\
Data File : VX044998.D
Acq On : 19 Feb 2025 11:43
Operator : JC/MD
Sample : VX0219WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Title : SW846 8260

Signal : TIC: VX044998.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.239	21	25	34	rBV	92259	118553	17.51%	3.274%
2	1.599	72	84	85	rBV4	5630	16482	2.43%	0.455%
3	5.373	694	703	720	rBV2	74778	227833	33.65%	6.292%
4	5.544	720	731	747	rBV	104237	304960	45.04%	8.422%
5	5.946	788	797	811	rBV	85997	229433	33.88%	6.336%
6	6.751	920	929	947	rBV	186903	476182	70.32%	13.150%
7	8.641	1233	1239	1260	rBV	403715	677137	100.00%	18.700%
8	10.049	1464	1470	1493	rBV	422632	594438	87.79%	16.416%
9	11.079	1633	1639	1656	rBV	332504	434022	64.10%	11.986%
10	12.018	1788	1793	1805	rBV	448870	542059	80.05%	14.969%

Sum of corrected areas: 3621099

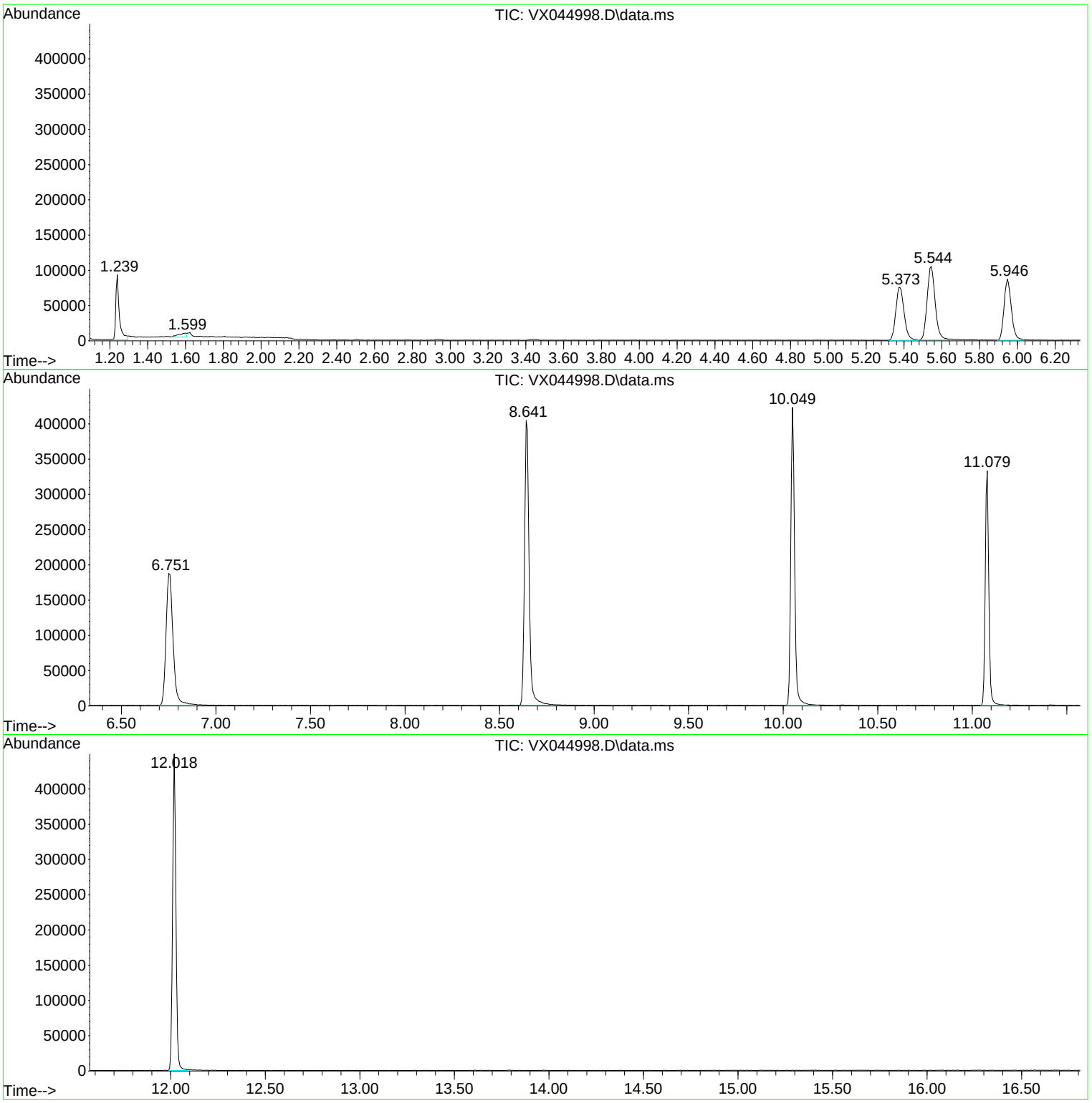
Sample Results: **VX044998.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021925\
Data File : VX044998.D
Acq On : 19 Feb 2025 11:43
Operator : JC/MD
Sample : VX0219WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021925\
Data File : VX044998.D
Acq On : 19 Feb 2025 11:43
Operator : JC/MD
Sample : VX0219WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBL01

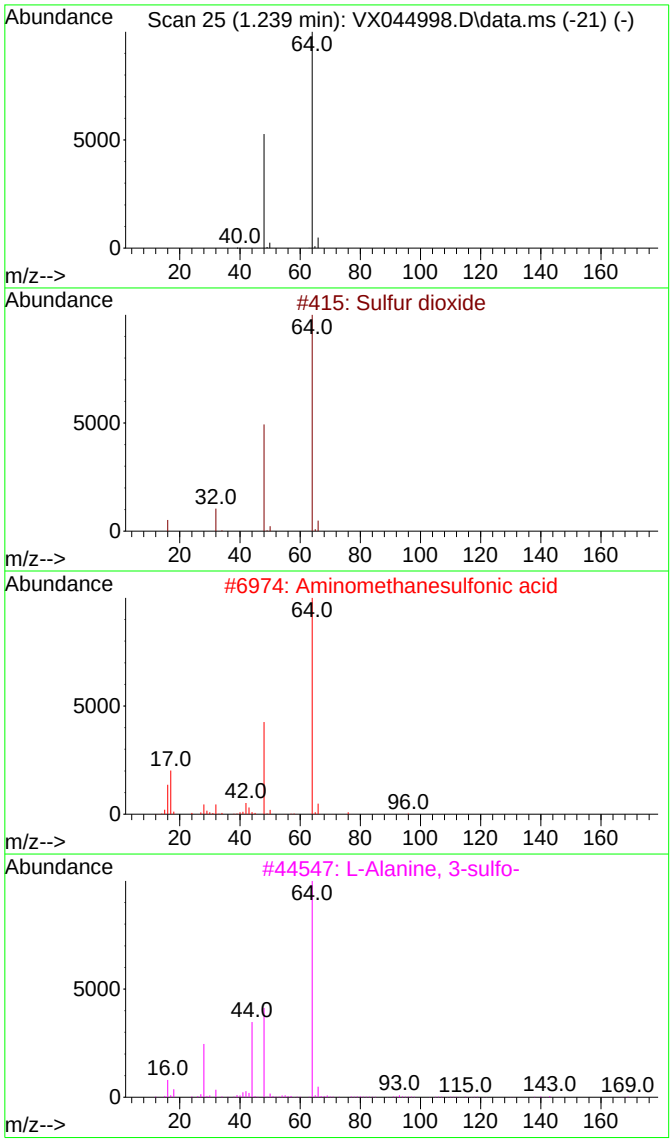
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

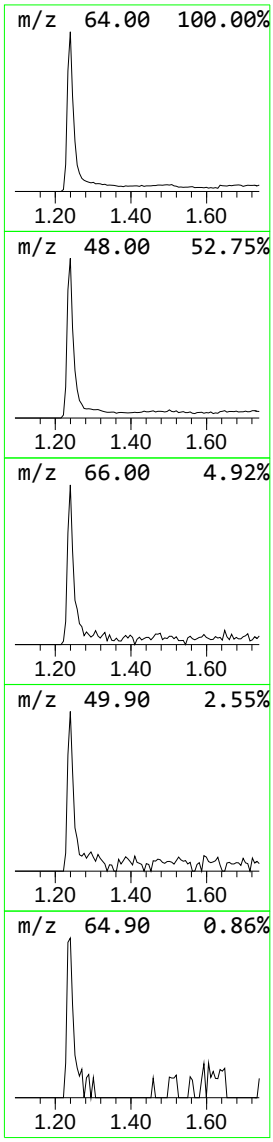
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.239	19.44 ug/l	118553	Pentafluorobenzene	5.537

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	3





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021925\
Data File : VX044998.D
Acq On : 19 Feb 2025 11:43
Operator : JC/MD
Sample : VX0219WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.239	19.4	ug/l	118553	1	5.537	304960	50.0

Raw Data: **VX044979.D**

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

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	1267 Forest Ave Staten Island NY	Date Received:	
Client Sample ID:	VX0218WBS01	SDG No.:	Q1376
Lab Sample ID:	VX0218WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044979.D	1		02/18/25 11:54	VX021825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.1		0.21	1.00	ug/L
74-87-3	Chloromethane	18.9		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	18.8		0.34	1.00	ug/L
74-83-9	Bromomethane	30.4		1.40	5.00	ug/L
75-00-3	Chloroethane	27.2		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.7		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.4		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.6		0.26	1.00	ug/L
67-64-1	Acetone	110		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	18.8		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.3		0.16	1.00	ug/L
79-20-9	Methyl Acetate	21.8		0.60	1.00	ug/L
75-09-2	Methylene Chloride	20.0		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.3		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.2		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.5		1.60	5.00	ug/L
78-93-3	2-Butanone	110		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.6		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.1		0.25	1.00	ug/L
74-97-5	Bromochloromethane	21.5		0.18	1.00	ug/L
67-66-3	Chloroform	20.6		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.4		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	20.0		0.19	1.00	ug/L
71-43-2	Benzene	19.9		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.3		0.24	1.00	ug/L
79-01-6	Trichloroethene	20.2		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.3		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	21.5		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	5.00	ug/L
108-88-3	Toluene	20.5		0.18	1.00	ug/L

Raw Data: **VX044979.D**

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

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	1267 Forest Ave Staten Island NY	Date Received:	
Client Sample ID:	VX0218WBS01	SDG No.:	Q1376
Lab Sample ID:	VX0218WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044979.D	1		02/18/25 11:54	VX021825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.6		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.5		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.6		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	21.3		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.5		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	21.0		0.25	1.00	ug/L
108-90-7	Chlorobenzene	20.6		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	20.1		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	40.9		0.31	2.00	ug/L
95-47-6	o-Xylene	20.3		0.14	1.00	ug/L
100-42-5	Styrene	21.0		0.16	1.00	ug/L
75-25-2	Bromoform	21.4		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	19.4		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.2		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.2		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.0		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.8		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.3		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.2		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.1		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.5		74 - 125	109%	SPK: 50
1868-53-7	Dibromofluoromethane	53.7		75 - 124	107%	SPK: 50
2037-26-5	Toluene-d8	51.8		86 - 113	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.2		77 - 121	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	110000	5.544			
540-36-3	1,4-Difluorobenzene	203000	6.757			
3114-55-4	Chlorobenzene-d5	177000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	83500	12.018			

Raw Data: **VX044979.D**

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

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	1267 Forest Ave Staten Island NY	Date Received:	
Client Sample ID:	VX0218WBS01	SDG No.:	Q1376
Lab Sample ID:	VX0218WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044979.D	1		02/18/25 11:54	VX021825

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_X\Data\VX021825\
Data File : VX044979.D
Acq On : 18 Feb 2025 11:54
Operator : JC/MD
Sample : VX0218WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 18 12:21:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	109899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	202747	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	177300	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	83521	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	87606	54.46	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.92%			
35) Dibromofluoromethane	5.379	113	70807	53.72	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.44%			
50) Toluene-d8	8.647	98	258244	51.81	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.62%			
62) 4-Bromofluorobenzene	11.079	95	91160	54.25	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	29516	19.15	ug/l	95
3) Chloromethane	1.295	50	35417	18.88	ug/l	99
4) Vinyl Chloride	1.374	62	34176	18.80	ug/l	99
5) Bromomethane	1.599	94	16532	30.40	ug/l	96
6) Chloroethane	1.679	64	20657	27.20	ug/l	97
7) Trichlorofluoromethane	1.886	101	47564	20.69	ug/l	98
8) Diethyl Ether	2.130	74	17904	21.48	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	28270	20.36	ug/l	99
10) Methyl Iodide	2.447	142	36989	20.55	ug/l	97
11) Tert butyl alcohol	2.953	59	31469	105.44	ug/l	99
12) 1,1-Dichloroethene	2.319	96	27700	19.56	ug/l	98
13) Acrolein	2.233	56	30180	98.01	ug/l	97
14) Allyl chloride	2.660	41	52178	20.38	ug/l	97
15) Acrylonitrile	3.056	53	84609	106.18	ug/l	100
16) Acetone	2.374	43	69130	106.89	ug/l	94
17) Carbon Disulfide	2.508	76	72970	18.79	ug/l	99
18) Methyl Acetate	2.697	43	44529	21.82	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	91397	20.28	ug/l	99
20) Methylene Chloride	2.782	84	31735	20.03	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	28289	20.29	ug/l	95
22) Diisopropyl ether	3.751	45	100615	20.77	ug/l #	81
23) Vinyl Acetate	3.715	43	403959	102.31	ug/l	100
24) 1,1-Dichloroethane	3.605	63	54774	20.21	ug/l	98
25) 2-Butanone	4.550	43	113278	107.87	ug/l	94
26) 2,2-Dichloropropane	4.465	77	42654	19.85	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	33680	20.11	ug/l	98
28) Bromochloromethane	4.891	49	28007	21.51	ug/l	99
29) Tetrahydrofuran	4.995	42	73949	106.05	ug/l	99
30) Chloroform	5.087	83	54225	20.63	ug/l	97
31) Cyclohexane	5.465	56	48717	19.50	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	45552	20.43	ug/l	97
36) 1,1-Dichloropropene	5.690	75	38002	19.98	ug/l	98
37) Ethyl Acetate	4.709	43	41751	19.74	ug/l	99
38) Carbon Tetrachloride	5.672	117	38320	20.56	ug/l	99
39) Methylcyclohexane	7.373	83	49064	19.96	ug/l	96
40) Benzene	6.031	78	117972	19.87	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044979.D
Acq On : 18 Feb 2025 11:54
Operator : JC/MD
Sample : VX0218WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 18 12:21:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	24724	21.84	ug/l		98
42) 1,2-Dichloroethane	6.080	62	40402	21.35	ug/l		99
43) Isopropyl Acetate	6.336	43	69420	20.32	ug/l		98
44) Trichloroethene	7.123	130	27404	20.19	ug/l		100
45) 1,2-Dichloropropane	7.428	63	30000	20.31	ug/l		96
46) Dibromomethane	7.574	93	21173	20.66	ug/l		97
47) Bromodichloromethane	7.818	83	42613	21.48	ug/l		97
48) Methyl methacrylate	7.690	41	33167	20.59	ug/l		97
49) 1,4-Dioxane	7.653	88	15602	451.49	ug/l		98
51) 4-Methyl-2-Pentanone	8.568	43	228582	110.07	ug/l		98
52) Toluene	8.714	92	72346	20.46	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	39377	19.61	ug/l		96
54) cis-1,3-Dichloropropene	8.360	75	45813	20.47	ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	27955	20.56	ug/l		99
56) Ethyl methacrylate	9.110	69	43499	19.81	ug/l		96
57) 1,3-Dichloropropane	9.305	76	49217	20.69	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	105247	97.62	ug/l		100
59) 2-Hexanone	9.427	43	166721	111.42	ug/l		96
60) Dibromochloromethane	9.519	129	30948	21.28	ug/l		98
61) 1,2-Dibromoethane	9.604	107	28254	20.50	ug/l		100
64) Tetrachloroethene	9.269	164	23498	21.02	ug/l		99
65) Chlorobenzene	10.073	112	78593	20.64	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	24960	20.36	ug/l		99
67) Ethyl Benzene	10.189	91	135368	20.14	ug/l		99
68) m/p-Xylenes	10.299	106	101372	40.89	ug/l		98
69) o-Xylene	10.640	106	50439	20.28	ug/l		99
70) Styrene	10.653	104	84167	21.00	ug/l		100
71) Bromoform	10.799	173	19556	21.38	ug/l	#	98
73) Isopropylbenzene	10.957	105	130439	19.40	ug/l		100
74) N-amyl acetate	10.842	43	59624	19.59	ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.207	83	44288	19.16	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	42527m	22.97	ug/l		
77) Bromobenzene	11.195	156	30253	19.84	ug/l		97
78) n-propylbenzene	11.299	91	152349	19.63	ug/l		100
79) 2-Chlorotoluene	11.360	91	91778	19.24	ug/l		99
80) 1,3,5-Trimethylbenzene	11.445	105	108175	19.82	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	12106	16.82	ug/l		88
82) 4-Chlorotoluene	11.451	91	105620	20.01	ug/l		100
83) tert-Butylbenzene	11.713	119	108865	19.72	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	109438	20.32	ug/l		98
85) sec-Butylbenzene	11.884	105	135332	19.80	ug/l		100
86) p-Isopropyltoluene	12.006	119	110856	20.16	ug/l		99
87) 1,3-Dichlorobenzene	11.963	146	56611	20.19	ug/l		98
88) 1,4-Dichlorobenzene	12.037	146	56743	20.02	ug/l		99
89) n-Butylbenzene	12.329	91	100938	20.75	ug/l		99
90) Hexachloroethane	12.536	117	19319	18.77	ug/l		99
91) 1,2-Dichlorobenzene	12.329	146	57211	20.76	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8149	19.32	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	33743	20.24	ug/l		100
94) Hexachlorobutadiene	13.719	225	13328	20.13	ug/l		98
95) Naphthalene	13.774	128	118089	19.59	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	33820	20.13	ug/l		98

Sample Results: **VX044979.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044979.D
Acq On : 18 Feb 2025 11:54
Operator : JC/MD
Sample : VX0218WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 18 12:21:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

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

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

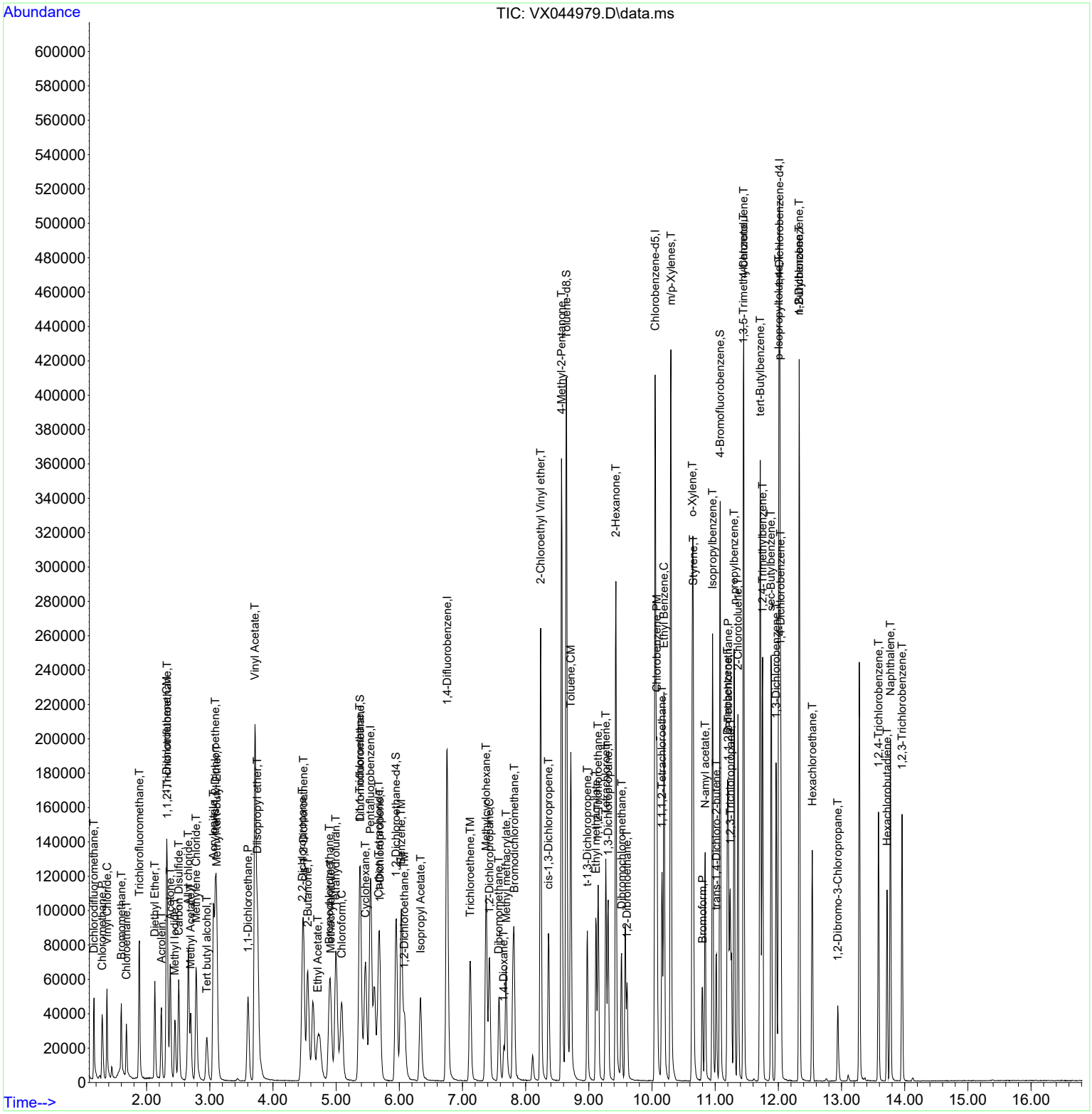
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044979.D
Acq On : 18 Feb 2025 11:54
Operator : JC/MD
Sample : VX0218WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 18 12:21:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025



Raw Data: **VX044999.D**

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

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	1267 Forest Ave Staten Island NY	Date Received:	
Client Sample ID:	VX0219WBS01	SDG No.:	Q1376
Lab Sample ID:	VX0219WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044999.D	1		02/19/25 12:06	VX021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.1		0.21	1.00	ug/L
74-87-3	Chloromethane	15.9		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	16.1		0.34	1.00	ug/L
74-83-9	Bromomethane	18.3		1.40	5.00	ug/L
75-00-3	Chloroethane	29.2		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	17.8		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	17.7		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.1		0.26	1.00	ug/L
67-64-1	Acetone	89.3		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	14.7		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.0		0.16	1.00	ug/L
79-20-9	Methyl Acetate	18.0		0.60	1.00	ug/L
75-09-2	Methylene Chloride	17.0		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	16.9		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.5		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.0		1.60	5.00	ug/L
78-93-3	2-Butanone	88.0		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	17.6		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.3		0.25	1.00	ug/L
74-97-5	Bromochloromethane	19.4		0.18	1.00	ug/L
67-66-3	Chloroform	18.2		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.7		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	16.9		0.19	1.00	ug/L
71-43-2	Benzene	17.3		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.0		0.24	1.00	ug/L
79-01-6	Trichloroethene	17.4		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	17.8		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	18.3		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	91.8		0.75	5.00	ug/L
108-88-3	Toluene	17.7		0.18	1.00	ug/L

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

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	1267 Forest Ave Staten Island NY	Date Received:	
Client Sample ID:	VX0219WBS01	SDG No.:	Q1376
Lab Sample ID:	VX0219WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044999.D	1		02/19/25 12:06	VX021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	16.1		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	17.4		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	17.9		0.21	1.00	ug/L
591-78-6	2-Hexanone	91.9		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	17.7		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	17.1		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	18.0		0.25	1.00	ug/L
108-90-7	Chlorobenzene	18.4		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	17.9		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	36.5		0.31	2.00	ug/L
95-47-6	o-Xylene	18.1		0.14	1.00	ug/L
100-42-5	Styrene	18.4		0.16	1.00	ug/L
75-25-2	Bromoform	17.4		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	17.7		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.3		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.9		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.3		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.7		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.1		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.9		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.0		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.4		74 - 125	105%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	49.9		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		77 - 121	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	108000	5.55			
540-36-3	1,4-Difluorobenzene	198000	6.751			
3114-55-4	Chlorobenzene-d5	168000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	77000	12.018			

Raw Data: **VX044999.D**

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

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	1267 Forest Ave Staten Island NY	Date Received:	
Client Sample ID:	VX0219WBS01	SDG No.:	Q1376
Lab Sample ID:	VX0219WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044999.D	1		02/19/25 12:06	VX021925

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_X\Data\VX021925\
Data File : VX044999.D
Acq On : 19 Feb 2025 12:06
Operator : JC/MD
Sample : VX0219WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 20 02:35:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	108230	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	197953	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	168480	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	77023	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	82958	52.363	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.720%			
35) Dibromofluoromethane	5.373	113	66432	51.617	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.240%			
50) Toluene-d8	8.647	98	242972	49.925	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.840%			
62) 4-Bromofluorobenzene	11.079	95	82350	50.192	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.380%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	26011	17.135	ug/l	97
3) Chloromethane	1.294	50	29405	15.916	ug/l	99
4) Vinyl Chloride	1.374	62	28826	16.105	ug/l	97
5) Bromomethane	1.593	94	9817	18.329	ug/l	100
6) Chloroethane	1.672	64	21728	29.181	ug/l	91
7) Trichlorofluoromethane	1.880	101	40281	17.796	ug/l	97
8) Diethyl Ether	2.129	74	14844	18.083	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	24177	17.679	ug/l	99
10) Methyl Iodide	2.446	142	23687	13.364	ug/l	96
11) Tert butyl alcohol	2.971	59	22511	76.591	ug/l	99
12) 1,1-Dichloroethene	2.312	96	23821	17.076	ug/l	98
13) Acrolein	2.233	56	25294	83.411	ug/l	96
14) Allyl chloride	2.660	41	42128	16.710	ug/l	97
15) Acrylonitrile	3.062	53	66846	85.182	ug/l	97
16) Acetone	2.379	43	56868	89.289	ug/l	94
17) Carbon Disulfide	2.507	76	56420	14.749	ug/l	96
18) Methyl Acetate	2.703	43	36146	17.985	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	75357	16.978	ug/l	99
20) Methylene Chloride	2.788	84	26572	17.033	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	23182	16.884	ug/l	95
22) Diisopropyl ether	3.757	45	84350	17.685	ug/l	95
23) Vinyl Acetate	3.715	43	334014	85.898	ug/l	97
24) 1,1-Dichloroethane	3.605	63	46730	17.510	ug/l	97
25) 2-Butanone	4.550	43	91022	88.011	ug/l	91
26) 2,2-Dichloropropane	4.464	77	34503	16.302	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	28593	17.338	ug/l	98
28) Bromochloromethane	4.885	49	24932	19.439	ug/l	99
29) Tetrahydrofuran	5.001	42	59735	86.984	ug/l	98
30) Chloroform	5.086	83	47015	18.165	ug/l	98
31) Cyclohexane	5.458	56	41737	16.964	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	38946	17.741	ug/l	99
36) 1,1-Dichloropropene	5.690	75	31126	16.763	ug/l	100
37) Ethyl Acetate	4.702	43	34312	16.613	ug/l	98
38) Carbon Tetrachloride	5.665	117	32104	17.644	ug/l	98
39) Methylcyclohexane	7.372	83	40686	16.948	ug/l	99
40) Benzene	6.031	78	100130	17.269	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021925\
Data File : VX044999.D
Acq On : 19 Feb 2025 12:06
Operator : JC/MD
Sample : VX0219WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 20 02:35:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	19580	17.712	ug/l		99
42) 1,2-Dichloroethane	6.080	62	35123	19.007	ug/l		100
43) Isopropyl Acetate	6.336	43	55948	16.775	ug/l		98
44) Trichloroethene	7.122	130	23043	17.387	ug/l		93
45) 1,2-Dichloropropane	7.427	63	25633	17.770	ug/l		99
46) Dibromomethane	7.574	93	17850	17.844	ug/l		97
47) Bromodichloromethane	7.817	83	35404	18.278	ug/l		95
48) Methyl methacrylate	7.689	41	27013	17.178	ug/l		99
49) 1,4-Dioxane	7.659	88	11576	343.099	ug/l		96
51) 4-Methyl-2-Pentanone	8.567	43	186123	91.795	ug/l		96
52) Toluene	8.714	92	61087	17.691	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	31514	16.077	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	37932	17.356	ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	23754	17.895	ug/l		99
56) Ethyl methacrylate	9.116	69	35857	16.725	ug/l		97
57) 1,3-Dichloropropane	9.305	76	41849	18.018	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	88245	83.829	ug/l		100
59) 2-Hexanone	9.427	43	134195	91.857	ug/l		96
60) Dibromochloromethane	9.518	129	25149	17.715	ug/l		99
61) 1,2-Dibromoethane	9.610	107	22976	17.077	ug/l		100
64) Tetrachloroethene	9.268	164	19163	18.036	ug/l		95
65) Chlorobenzene	10.073	112	66743	18.444	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	20956	17.992	ug/l		99
67) Ethyl Benzene	10.189	91	114602	17.946	ug/l		100
68) m/p-Xylenes	10.299	106	86005	36.510	ug/l		98
69) o-Xylene	10.640	106	42774	18.096	ug/l		98
70) Styrene	10.652	104	70180	18.429	ug/l		99
71) Bromoform	10.799	173	15131	17.407	ug/l	#	99
73) Isopropylbenzene	10.957	105	110068	17.748	ug/l		100
74) N-amyl acetate	10.841	43	47317	16.860	ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.207	83	36798	17.267	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	29248m	17.127	ug/l		
77) Bromobenzene	11.195	156	25697	18.276	ug/l		97
78) n-propylbenzene	11.299	91	129177	18.046	ug/l		100
79) 2-Chlorotoluene	11.360	91	78368	17.813	ug/l		98
80) 1,3,5-Trimethylbenzene	11.445	105	91771	18.235	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	8239	12.411	ug/l		87
82) 4-Chlorotoluene	11.451	91	87455	17.968	ug/l		100
83) tert-Butylbenzene	11.713	119	91738	18.018	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	91351	18.391	ug/l		100
85) sec-Butylbenzene	11.890	105	116480	18.475	ug/l		99
86) p-Isopropyltoluene	12.006	119	93192	18.381	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	46375	17.936	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	47780	18.276	ug/l		99
89) n-Butylbenzene	12.329	91	82080	18.299	ug/l		98
90) Hexachloroethane	12.536	117	14816	15.607	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	47522	18.701	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	6669	17.146	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	27532	17.905	ug/l		98
94) Hexachlorobutadiene	13.719	225	11251	18.431	ug/l		98
95) Naphthalene	13.774	128	99717	17.939	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	27924	18.022	ug/l		99

Sample Results: **VX044999.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021925\
Data File : VX044999.D
Acq On : 19 Feb 2025 12:06
Operator : JC/MD
Sample : VX0219WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025

Quant Time: Feb 20 02:35:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

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

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

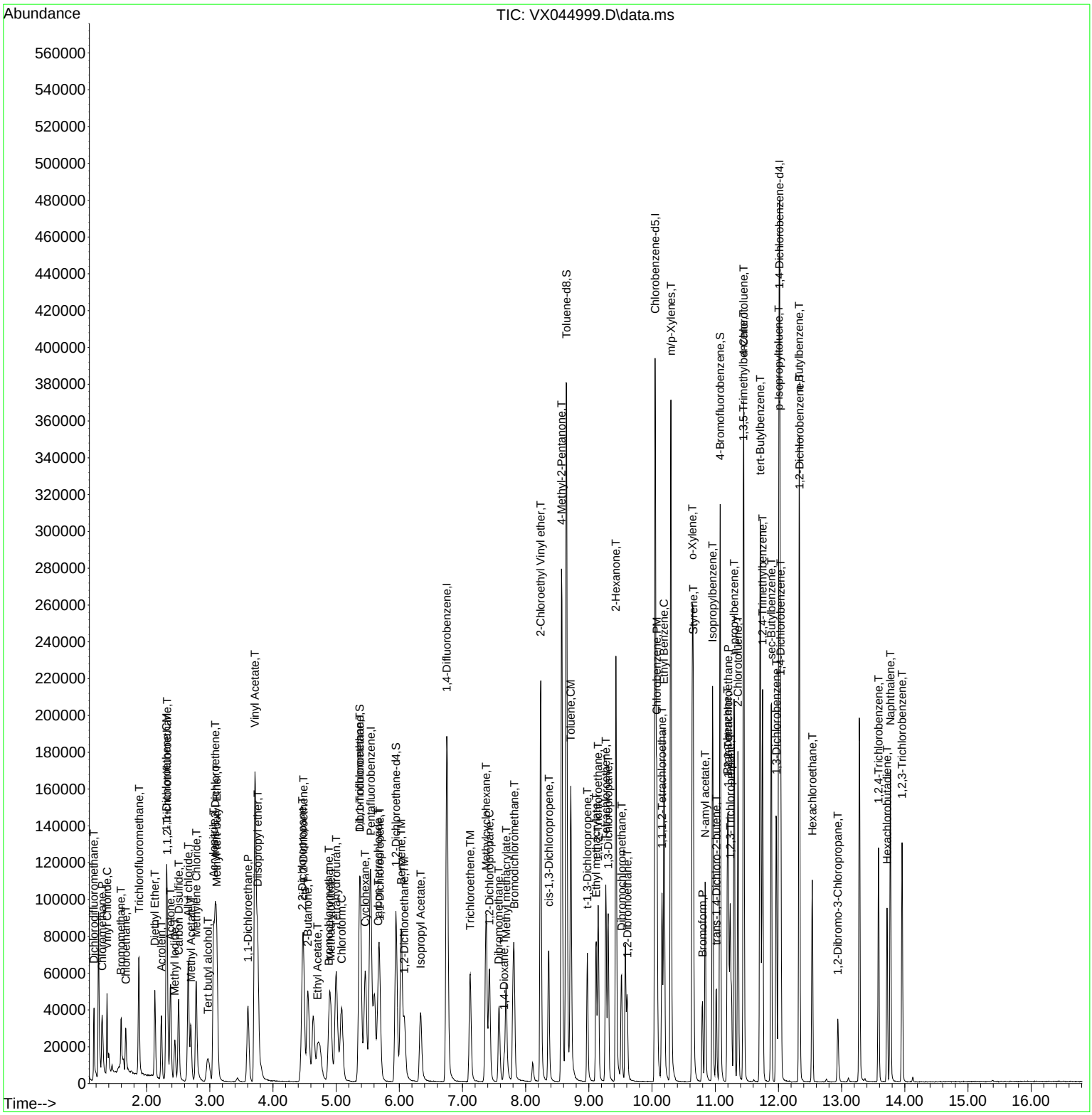
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021925\
Data File : VX044999.D
Acq On : 19 Feb 2025 12:06
Operator : JC/MD
Sample : VX0219WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 20 02:35:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0219WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/20/2025
Supervised By :Mahesh Dadoda 02/20/2025



Raw Data: **VX044980.D**

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

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	1267 Forest Ave Staten Island NY	Date Received:	
Client Sample ID:	VX0218WBSD01	SDG No.:	Q1376
Lab Sample ID:	VX0218WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044980.D	1		02/18/25 12:20	VX021825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.6		0.21	1.00	ug/L
74-87-3	Chloromethane	18.8		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	18.6		0.34	1.00	ug/L
74-83-9	Bromomethane	23.1		1.40	5.00	ug/L
75-00-3	Chloroethane	24.7		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.0		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.8		0.26	1.00	ug/L
67-64-1	Acetone	100		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	17.6		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.3		0.16	1.00	ug/L
79-20-9	Methyl Acetate	22.4		0.60	1.00	ug/L
75-09-2	Methylene Chloride	19.7		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.1		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.7		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.4		1.60	5.00	ug/L
78-93-3	2-Butanone	110		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.9		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.3		0.25	1.00	ug/L
74-97-5	Bromochloromethane	21.0		0.18	1.00	ug/L
67-66-3	Chloroform	20.6		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.9		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	20.2		0.19	1.00	ug/L
71-43-2	Benzene	20.4		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	22.3		0.24	1.00	ug/L
79-01-6	Trichloroethene	20.7		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.1		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	22.0		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	120		0.75	5.00	ug/L
108-88-3	Toluene	21.1		0.18	1.00	ug/L

Raw Data: **VX044980.D**

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

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	1267 Forest Ave Staten Island NY	Date Received:	
Client Sample ID:	VX0218WBSD01	SDG No.:	Q1376
Lab Sample ID:	VX0218WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044980.D	1		02/18/25 12:20	VX021825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.7		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.1		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.9		0.21	1.00	ug/L
591-78-6	2-Hexanone	120		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	22.0		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.8		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	20.5		0.25	1.00	ug/L
108-90-7	Chlorobenzene	20.4		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	20.3		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	41.9		0.31	2.00	ug/L
95-47-6	o-Xylene	20.1		0.14	1.00	ug/L
100-42-5	Styrene	21.3		0.16	1.00	ug/L
75-25-2	Bromoform	22.0		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	19.5		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.1		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.1		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.9		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.6		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.9		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.8		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.2		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.6		74 - 125	107%	SPK: 50
1868-53-7	Dibromofluoromethane	53.6		75 - 124	107%	SPK: 50
2037-26-5	Toluene-d8	52.2		86 - 113	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.2		77 - 121	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	103000	5.544			
540-36-3	1,4-Difluorobenzene	183000	6.751			
3114-55-4	Chlorobenzene-d5	164000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	77600	12.018			

Raw Data: **VX044980.D**

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

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	1267 Forest Ave Staten Island NY	Date Received:	
Client Sample ID:	VX0218WBSD01	SDG No.:	Q1376
Lab Sample ID:	VX0218WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044980.D	1		02/18/25 12:20	VX021825

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_X\Data\VX021825\
Data File : VX044980.D
Acq On : 18 Feb 2025 12:20
Operator : JC/MD
Sample : VX0218WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 18 12:46:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	102760	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	182711	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	163817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	77597	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	80621	53.60	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.20%			
35) Dibromofluoromethane	5.379	113	63678	53.60	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.20%			
50) Toluene-d8	8.641	98	234589	52.22	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.44%			
62) 4-Bromofluorobenzene	11.079	95	83522	55.15	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	28249	19.60	ug/l	95
3) Chloromethane	1.295	50	33009	18.82	ug/l	97
4) Vinyl Chloride	1.374	62	31544	18.56	ug/l	98
5) Bromomethane	1.593	94	11727	23.06	ug/l	97
6) Chloroethane	1.673	64	17628	24.70	ug/l	99
7) Trichlorofluoromethane	1.880	101	42901	19.96	ug/l	97
8) Diethyl Ether	2.130	74	16831	21.60	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.325	101	25942	19.98	ug/l	98
10) Methyl Iodide	2.447	142	33846	20.11	ug/l	97
11) Tert butyl alcohol	2.965	59	29379	105.28	ug/l	99
12) 1,1-Dichloroethene	2.313	96	24880	18.78	ug/l	98
13) Acrolein	2.233	56	27990	97.22	ug/l	99
14) Allyl chloride	2.660	41	47470	19.83	ug/l	98
15) Acrylonitrile	3.056	53	77709	104.30	ug/l	98
16) Acetone	2.374	43	63293	104.67	ug/l	95
17) Carbon Disulfide	2.508	76	64044	17.63	ug/l	100
18) Methyl Acetate	2.697	43	42718	22.39	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	85357	20.25	ug/l	99
20) Methylene Chloride	2.782	84	29107	19.65	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	24842	19.06	ug/l	97
22) Diisopropyl ether	3.751	45	92690	20.47	ug/l #	87
23) Vinyl Acetate	3.715	43	380479	103.06	ug/l	100
24) 1,1-Dichloroethane	3.599	63	49952	19.71	ug/l	99
25) 2-Butanone	4.550	43	104839	106.77	ug/l	94
26) 2,2-Dichloropropane	4.465	77	38755	19.29	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	31776	20.29	ug/l	97
28) Bromochloromethane	4.885	49	25580	21.01	ug/l	98
29) Tetrahydrofuran	4.995	42	68331	104.80	ug/l	99
30) Chloroform	5.080	83	50571	20.58	ug/l	97
31) Cyclohexane	5.465	56	45252	19.37	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	41389	19.86	ug/l	99
36) 1,1-Dichloropropene	5.684	75	33650	19.63	ug/l	100
37) Ethyl Acetate	4.702	43	40428	21.21	ug/l	98
38) Carbon Tetrachloride	5.666	117	35048	20.87	ug/l	95
39) Methylcyclohexane	7.373	83	44803	20.22	ug/l	96
40) Benzene	6.032	78	109312	20.43	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044980.D
Acq On : 18 Feb 2025 12:20
Operator : JC/MD
Sample : VX0218WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 18 12:46:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	23214	22.75	ug/l		98
42) 1,2-Dichloroethane	6.074	62	38097	22.34	ug/l		99
43) Isopropyl Acetate	6.336	43	66575	21.63	ug/l		99
44) Trichloroethene	7.117	130	25305	20.69	ug/l		98
45) 1,2-Dichloropropane	7.422	63	28027	21.05	ug/l		97
46) Dibromomethane	7.574	93	19523	21.14	ug/l		97
47) Bromodichloromethane	7.818	83	39420	22.05	ug/l		97
48) Methyl methacrylate	7.690	41	31980	22.03	ug/l		97
49) 1,4-Dioxane	7.659	88	14349	460.77	ug/l		97
51) 4-Methyl-2-Pentanone	8.568	43	218798	116.91	ug/l		97
52) Toluene	8.714	92	67152	21.07	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	37528	20.74	ug/l		96
54) cis-1,3-Dichloropropene	8.360	75	42469	21.05	ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	26791	21.87	ug/l		96
56) Ethyl methacrylate	9.110	69	42037	21.24	ug/l		99
57) 1,3-Dichloropropane	9.305	76	46838	21.85	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	98907	101.80	ug/l		100
59) 2-Hexanone	9.427	43	159295	118.13	ug/l		96
60) Dibromochloromethane	9.519	129	28885	22.04	ug/l		99
61) 1,2-Dibromoethane	9.604	107	27011	21.75	ug/l		97
64) Tetrachloroethene	9.269	164	21207	20.53	ug/l		97
65) Chlorobenzene	10.073	112	71865	20.42	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	23477	20.73	ug/l		99
67) Ethyl Benzene	10.189	91	126039	20.30	ug/l		100
68) m/p-Xylenes	10.299	106	95875	41.86	ug/l		99
69) o-Xylene	10.640	106	46253	20.13	ug/l		98
70) Styrene	10.653	104	78838	21.29	ug/l		100
71) Bromoform	10.799	173	18572	21.97	ug/l	#	100
73) Isopropylbenzene	10.957	105	121744	19.49	ug/l		98
74) N-amyl acetate	10.842	43	56816	20.10	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	43128	20.09	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	33656m	19.56	ug/l		
77) Bromobenzene	11.195	156	28098	19.84	ug/l		97
78) n-propylbenzene	11.299	91	139912	19.40	ug/l		100
79) 2-Chlorotoluene	11.360	91	85074	19.19	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	101076	19.94	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	11690	17.48	ug/l		93
82) 4-Chlorotoluene	11.451	91	97222	19.83	ug/l		99
83) tert-Butylbenzene	11.713	119	103413	20.16	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	101505	20.28	ug/l		100
85) sec-Butylbenzene	11.884	105	127946	20.14	ug/l		100
86) p-Isopropyltoluene	12.006	119	104717	20.50	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	52470	20.14	ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	52440	19.91	ug/l		99
89) n-Butylbenzene	12.329	91	93083	20.60	ug/l		99
90) Hexachloroethane	12.536	117	17961	18.78	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	52728	20.60	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8186	20.89	ug/l		95
93) 1,2,4-Trichlorobenzene	13.585	180	30741	19.84	ug/l		99
94) Hexachlorobutadiene	13.719	225	12717	20.68	ug/l		97
95) Naphthalene	13.774	128	112198	20.04	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	31514	20.19	ug/l		98

Sample Results: **VX044980.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044980.D
Acq On : 18 Feb 2025 12:20
Operator : JC/MD
Sample : VX0218WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 18 12:46:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

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

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

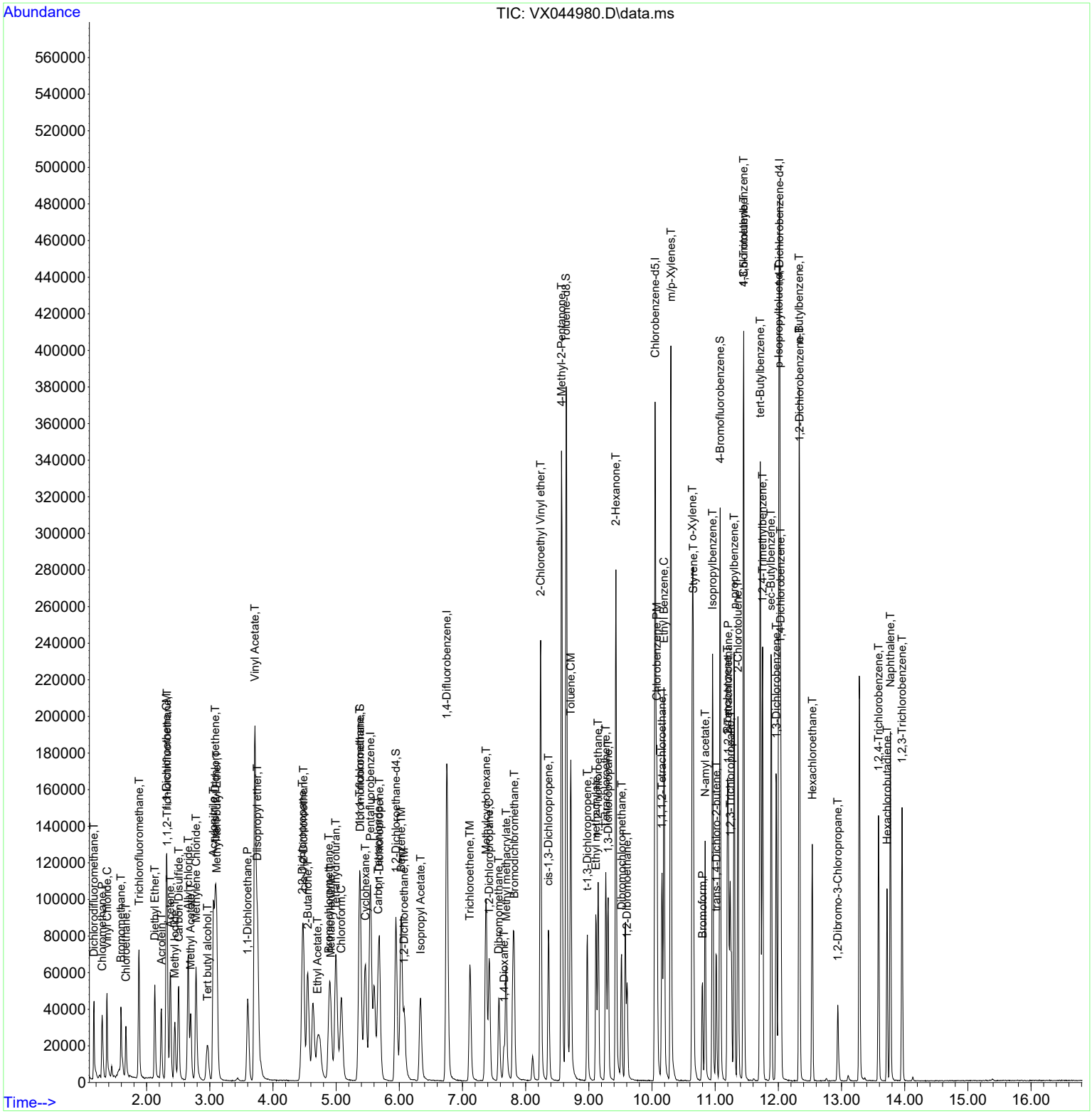
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044980.D
Acq On : 18 Feb 2025 12:20
Operator : JC/MD
Sample : VX0218WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 18 12:46:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025



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Manual Integration Report

Sequence:	VX021025	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX044868.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDICC001	VX044868.D	1,4-Dichlorobenzene	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDICC001	VX044868.D	Dichlorodifluoromethane	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDICC001	VX044868.D	Ethyl Acetate	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDICC001	VX044868.D	Methacrylonitrile	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDICC005	VX044869.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:40:57 AM	MMDadoda	2/11/2025 10:09:18 AM	Peak Integrated by Software
VSTDICC005	VX044869.D	Chloroethane	JOHN	2/11/2025 9:40:57 AM	MMDadoda	2/11/2025 10:09:18 AM	Peak Integrated by Software
VSTDICC020	VX044870.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:03 AM	MMDadoda	2/11/2025 10:09:33 AM	Peak Integrated by Software
VSTDICCC050	VX044871.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:07 AM	MMDadoda	2/11/2025 10:09:36 AM	Peak Integrated by Software
VSTDICC100	VX044872.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:11 AM	MMDadoda	2/11/2025 10:09:40 AM	Peak Integrated by Software
VSTDICC150	VX044873.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:16 AM	MMDadoda	2/11/2025 10:09:49 AM	Peak Integrated by Software
VSTDICV050	VX044875.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:20 AM	MMDadoda	2/11/2025 10:09:53 AM	Peak Integrated by Software
VSTDCCC050	VX044891.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:46 AM	MMDadoda	2/11/2025 10:10:13 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX021025	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	VX021825	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX044976.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:44:59 AM	MMDadoda	2/19/2025 12:45:24 PM	Peak Integrated by Software
VSTDCCC050	VX044976.D	Chloroethane	JOHN	2/19/2025 9:44:59 AM	MMDadoda	2/19/2025 12:45:24 PM	Peak Integrated by Software
VX0218WBS01	VX044979.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:45:04 AM	MMDadoda	2/19/2025 12:45:28 PM	Peak Integrated by Software
VX0218WBSD01	VX044980.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:45:08 AM	MMDadoda	2/19/2025 12:46:09 PM	Peak Integrated by Software
VSTDCCC050	VX044994.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:45:38 AM	MMDadoda	2/19/2025 12:45:46 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX021925	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX044996.D	1,2,3-Trichloropropane	JOHN	2/20/2025 9:46:15 AM	MMDadoda	2/20/2025 12:10:59 PM	Peak Integrated by Software
VX0219WBS01	VX044999.D	1,2,3-Trichloropropane	JOHN	2/20/2025 9:46:21 AM	MMDadoda	2/20/2025 12:11:01 PM	Peak Integrated by Software
VSTDCCC050	VX045006.D	1,2,3-Trichloropropane	JOHN	2/20/2025 9:46:35 AM	MMDadoda	2/20/2025 12:11:19 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021025

Review By	John Carlone	Review On	2/11/2025 9:43:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/11/2025 2:05:25 PM		
SubDirectory	VX021025	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132955
Initial Calibration Stds	VP132960,VP132961,VP132962,VP132963,VP132964,VP132965
CCC	VP132956
Internal Standard/PEM	
ICV/I.BLK	VP132966
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX044867.D	10 Feb 2025 09:35	JC/MD	Ok
2	VSTDICC001	VX044868.D	10 Feb 2025 10:25	JC/MD	Ok,M
3	VSTDICC005	VX044869.D	10 Feb 2025 10:48	JC/MD	Ok,M
4	VSTDICC020	VX044870.D	10 Feb 2025 11:11	JC/MD	Ok,M
5	VSTDICCC050	VX044871.D	10 Feb 2025 11:34	JC/MD	Ok,M
6	VSTDICC100	VX044872.D	10 Feb 2025 12:05	JC/MD	Ok,M
7	VSTDICC150	VX044873.D	10 Feb 2025 12:28	JC/MD	Ok,M
8	IBLK	VX044874.D	10 Feb 2025 12:51	JC/MD	Ok
9	VSTDICV050	VX044875.D	10 Feb 2025 13:15	JC/MD	Ok,M
10	VX0210MBL01	VX044876.D	10 Feb 2025 13:43	JC/MD	Ok
11	VX0210WBL01	VX044877.D	10 Feb 2025 14:06	JC/MD	Ok
12	VX0210WBS01	VX044878.D	10 Feb 2025 14:29	JC/MD	Ok,M
13	VX0210WBSD01	VX044879.D	10 Feb 2025 14:55	JC/MD	Ok,M
14	Q1250-02	VX044880.D	10 Feb 2025 15:18	JC/MD	Ok
15	Q1250-01	VX044881.D	10 Feb 2025 15:41	JC/MD	Ok
16	Q1250-03	VX044882.D	10 Feb 2025 16:04	JC/MD	Ok
17	Q1250-04	VX044883.D	10 Feb 2025 16:27	JC/MD	Ok
18	Q1250-05	VX044884.D	10 Feb 2025 16:51	JC/MD	Ok
19	Q1250-10	VX044885.D	10 Feb 2025 17:14	JC/MD	Ok
20	Q1250-11	VX044886.D	10 Feb 2025 17:37	JC/MD	Ok
21	Q1250-12	VX044887.D	10 Feb 2025 18:00	JC/MD	Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021025

Review By	John Carlone	Review On	2/11/2025 9:43:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/11/2025 2:05:25 PM		
SubDirectory	VX021025	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132955
Initial Calibration Stds	VP132960,VP132961,VP132962,VP132963,VP132964,VP132965
CCC	VP132956
Internal Standard/PEM	
ICV/I.BLK	VP132966
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1250-06	VX044888.D	10 Feb 2025 18:23	JC/MD	Ok
23	Q1250-07MS	VX044889.D	10 Feb 2025 18:46	JC/MD	Ok,M
24	Q1250-08MSD	VX044890.D	10 Feb 2025 19:09	JC/MD	Ok,M
25	VSTDCCC050	VX044891.D	10 Feb 2025 19:32	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021825

Review By	John Carlone	Review On	2/19/2025 9:48:22 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/19/2025 1:34:48 PM		
SubDirectory	VX021825	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133065
Initial Calibration Stds	
CCC	VP133066,VP133067
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX044975.D	18 Feb 2025 09:46	JC/MD	Ok
2	VSTDCCC050	VX044976.D	18 Feb 2025 10:45	JC/MD	Ok,M
3	VX0218MBL01	VX044977.D	18 Feb 2025 11:08	JC/MD	Ok
4	VX0218WBL01	VX044978.D	18 Feb 2025 11:31	JC/MD	Ok
5	VX0218WBS01	VX044979.D	18 Feb 2025 11:54	JC/MD	Ok,M
6	VX0218WBSD01	VX044980.D	18 Feb 2025 12:20	JC/MD	Ok,M
7	IBLK	VX044981.D	18 Feb 2025 12:42	JC/MD	Ok
8	Q1363-02	VX044982.D	18 Feb 2025 13:05	JC/MD	Ok
9	Q1370-01	VX044983.D	18 Feb 2025 13:28	JC/MD	Ok
10	Q1370-02	VX044984.D	18 Feb 2025 13:51	JC/MD	Ok
11	Q1370-03	VX044985.D	18 Feb 2025 14:14	JC/MD	Ok
12	Q1370-04	VX044986.D	18 Feb 2025 14:37	JC/MD	Ok
13	PB166736TB	VX044987.D	18 Feb 2025 15:00	JC/MD	Ok,M
14	PB166736ZHE#01	VX044988.D	18 Feb 2025 15:23	JC/MD	Ok
15	PB166736ZHE#02	VX044989.D	18 Feb 2025 15:46	JC/MD	Ok,M
16	Q1373-01	VX044990.D	18 Feb 2025 16:08	JC/MD	ReRun
17	Q1373-02	VX044991.D	18 Feb 2025 16:31	JC/MD	Ok
18	Q1376-01	VX044992.D	18 Feb 2025 16:54	JC/MD	Dilution
19	Q1376-02	VX044993.D	18 Feb 2025 17:17	JC/MD	Ok
20	VSTDCCC050	VX044994.D	18 Feb 2025 17:40	JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021925

Review By	John Carlone	Review On	2/20/2025 9:47:39 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/20/2025 12:12:31 PM		
SubDirectory	VX021925	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133086
Initial Calibration Stds	
CCC	VP133087,VP133088
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX044995.D	19 Feb 2025 09:57	JC/MD	Ok
2	VSTDCCC050	VX044996.D	19 Feb 2025 10:52	JC/MD	Ok,M
3	VX0219MBL01	VX044997.D	19 Feb 2025 11:20	JC/MD	Ok
4	VX0219WBL01	VX044998.D	19 Feb 2025 11:43	JC/MD	Ok
5	VX0219WBS01	VX044999.D	19 Feb 2025 12:06	JC/MD	Ok,M
6	VX0219WBSD01	VX045000.D	19 Feb 2025 12:33	JC/MD	Ok,M
7	Q1373-01RE	VX045001.D	19 Feb 2025 12:56	JC/MD	Confirms
8	IBLK	VX045002.D	19 Feb 2025 13:18	JC/MD	Ok
9	IBLK	VX045003.D	19 Feb 2025 13:41	JC/MD	Ok
10	Q1376-01DL	VX045004.D	19 Feb 2025 14:04	JC/MD	Ok
11	Q1393-05	VX045005.D	19 Feb 2025 15:28	JC/MD	ReRun
12	VSTDCCC050	VX045006.D	19 Feb 2025 16:07	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021025

Review By	John Carlone	Review On	2/11/2025 9:43:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/11/2025 2:05:25 PM		
SubDirectory	VX021025	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132955
Initial Calibration Stds	VP132960,VP132961,VP132962,VP132963,VP132964,VP132965
CCC	VP132956
Internal Standard/PEM	
ICV/I.BLK	VP132966
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX044867.D	10 Feb 2025 09:35		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX044868.D	10 Feb 2025 10:25		JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX044869.D	10 Feb 2025 10:48		JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX044870.D	10 Feb 2025 11:11		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX044871.D	10 Feb 2025 11:34		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX044872.D	10 Feb 2025 12:05		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX044873.D	10 Feb 2025 12:28		JC/MD	Ok,M
8	IBLK	IBLK	VX044874.D	10 Feb 2025 12:51		JC/MD	Ok
9	VSTDICV050	ICVVX021025	VX044875.D	10 Feb 2025 13:15		JC/MD	Ok,M
10	VX0210MBL01	VX0210MBL01	VX044876.D	10 Feb 2025 13:43		JC/MD	Ok
11	VX0210WBL01	VX0210WBL01	VX044877.D	10 Feb 2025 14:06		JC/MD	Ok
12	VX0210WBS01	VX0210WBS01	VX044878.D	10 Feb 2025 14:29		JC/MD	Ok,M
13	VX0210WBSD01	VX0210WBSD01	VX044879.D	10 Feb 2025 14:55		JC/MD	Ok,M
14	Q1250-02	BP-VPB-192-GW-420-4	VX044880.D	10 Feb 2025 15:18	vial B pH<2	JC/MD	Ok
15	Q1250-01	BP-VPB-192-TB-20250	VX044881.D	10 Feb 2025 15:41	vial B pH<2 TB	JC/MD	Ok
16	Q1250-03	BP-VPB-192-GW-300-3	VX044882.D	10 Feb 2025 16:04	vial B pH<2	JC/MD	Ok
17	Q1250-04	BP-VPB-192-GW-320-3	VX044883.D	10 Feb 2025 16:27	vial B pH<2	JC/MD	Ok
18	Q1250-05	BP-VPB-192-GW-340-3	VX044884.D	10 Feb 2025 16:51	vial B pH<2	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021025

Review By	John Carlone	Review On	2/11/2025 9:43:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/11/2025 2:05:25 PM		
SubDirectory	VX021025	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132955
Initial Calibration Stds	VP132960,VP132961,VP132962,VP132963,VP132964,VP132965
CCC	VP132956
Internal Standard/PEM	
ICV/I.BLK	VP132966
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1250-10	BP-VPB-192-GW-380-3	VX044885.D	10 Feb 2025 17:14	vial B pH<2	JC/MD	Ok
20	Q1250-11	BP-VPB-192-GW-400-4	VX044886.D	10 Feb 2025 17:37	vial B pH<2	JC/MD	Ok
21	Q1250-12	BP-VPB-192-GW-440-4	VX044887.D	10 Feb 2025 18:00	vial B pH<2	JC/MD	Ok
22	Q1250-06	BP-VPB-192-GW-360-3	VX044888.D	10 Feb 2025 18:23	vial B pH<2	JC/MD	Ok
23	Q1250-07MS	BP-VPB-192-GW-360-3	VX044889.D	10 Feb 2025 18:46	vial B pH<2	JC/MD	Ok,M
24	Q1250-08MSD	BP-VPB-192-GW-360-3	VX044890.D	10 Feb 2025 19:09	vial B pH<2	JC/MD	Ok,M
25	VSTDCCC050	VSTDCCC050EC	VX044891.D	10 Feb 2025 19:32		JC/MD	Ok,M

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021825

Review By	John Carlone	Review On	2/19/2025 9:48:22 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/19/2025 1:34:48 PM		
SubDirectory	VX021825	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133065
Initial Calibration Stds	
CCC	VP133066,VP133067
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX044975.D	18 Feb 2025 09:46		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX044976.D	18 Feb 2025 10:45	V13516	JC/MD	Ok,M
3	VX0218MBL01	VX0218MBL01	VX044977.D	18 Feb 2025 11:08		JC/MD	Ok
4	VX0218WBL01	VX0218WBL01	VX044978.D	18 Feb 2025 11:31		JC/MD	Ok
5	VX0218WBS01	VX0218WBS01	VX044979.D	18 Feb 2025 11:54		JC/MD	Ok,M
6	VX0218WBSD01	VX0218WBSD01	VX044980.D	18 Feb 2025 12:20		JC/MD	Ok,M
7	IBLK	IBLK	VX044981.D	18 Feb 2025 12:42		JC/MD	Ok
8	Q1363-02	EB-01-021125	VX044982.D	18 Feb 2025 13:05	vial B pH<2 EB	JC/MD	Ok
9	Q1370-01	Storage-Blank-SOIL-RE	VX044983.D	18 Feb 2025 13:28	vial A pH<2	JC/MD	Ok
10	Q1370-02	Storage-Blank-WATER-	VX044984.D	18 Feb 2025 13:51	vial A pH<2	JC/MD	Ok
11	Q1370-03	Storage-Blank-WATER-	VX044985.D	18 Feb 2025 14:14	vial A pH<2	JC/MD	Ok
12	Q1370-04	Storage-Blank-SAMPLE	VX044986.D	18 Feb 2025 14:37	vial A pH<2	JC/MD	Ok
13	PB166736TB	PB166736TB	VX044987.D	18 Feb 2025 15:00		JC/MD	Ok,M
14	PB166736ZHE#01	PB166736ZHE#01	VX044988.D	18 Feb 2025 15:23		JC/MD	Ok
15	PB166736ZHE#02	PB166736ZHE#02	VX044989.D	18 Feb 2025 15:46		JC/MD	Ok,M
16	Q1373-01	VB27161	VX044990.D	18 Feb 2025 16:08	vial A pH#5.0 Surrogate Fail	JC/MD	ReRun
17	Q1373-02	VDR25992	VX044991.D	18 Feb 2025 16:31	vial A pH#5.0	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021825

Review By	John Carlone	Review On	2/19/2025 9:48:22 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/19/2025 1:34:48 PM		
SubDirectory	VX021825	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133065
Initial Calibration Stds	
CCC	VP133066,VP133067
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1376-01	MW32	VX044992.D	18 Feb 2025 16:54	vial A pH<2 BSD failed high for comp. #51; Need 10X	JC/MD	Dilution
19	Q1376-02	MW33	VX044993.D	18 Feb 2025 17:17	vial A pH<2	JC/MD	Ok
20	VSTDCCC050	VSTDCCC050EC	VX044994.D	18 Feb 2025 17:40		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021925

Review By	John Carlone	Review On	2/20/2025 9:47:39 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/20/2025 12:12:31 PM		
SubDirectory	VX021925	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133086
Initial Calibration Stds	
CCC	VP133087,VP133088
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX044995.D	19 Feb 2025 09:57		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX044996.D	19 Feb 2025 10:52	CCAL failed high for comp. #6	JC/MD	Ok,M
3	VX0219MBL01	VX0219MBL01	VX044997.D	19 Feb 2025 11:20		JC/MD	Ok
4	VX0219WBL01	VX0219WBL01	VX044998.D	19 Feb 2025 11:43		JC/MD	Ok
5	VX0219WBS01	VX0219WBS01	VX044999.D	19 Feb 2025 12:06	BS failed high for comp. #6	JC/MD	Ok,M
6	VX0219WBSD01	VX0219WBSD01	VX045000.D	19 Feb 2025 12:33	BSD failed high for comp. #6	JC/MD	Ok,M
7	Q1373-01RE	VB27161RE	VX045001.D	19 Feb 2025 12:56	vial B pH#5.0 Surrogate Fail	JC/MD	Confirms
8	IBLK	IBLK	VX045002.D	19 Feb 2025 13:18		JC/MD	Ok
9	IBLK	IBLK	VX045003.D	19 Feb 2025 13:41		JC/MD	Ok
10	Q1376-01DL	MW32DL	VX045004.D	19 Feb 2025 14:04	vial B pH<2	JC/MD	Ok
11	Q1393-05	PURGE-WATER-COMP	VX045005.D	19 Feb 2025 15:28	CCAL failed high for comp. #6; BS ,BSD failed high for comp. #6	JC/MD	ReRun
12	VSTDCCC050	VSTDCCC050EC	VX045006.D	19 Feb 2025 16:07		JC/MD	Ok,M

M : Manual Integration

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q1376
QUOTE NO.
COC Number 2046166

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: GFE LLC
ADDRESS: 58 NOKOMIS AVE
CITY: HIAWATHA STATE: NJ ZIP: 07034
ATTENTION: FRANK GALDUN
PHONE: FRANK FAX: GALDUN
frankg4@optonline.net

CLIENT PROJECT INFORMATION

PROJECT NAME: 1269 FOREST AVE
PROJECT NO.: STATEN ISLAND, NY LOCATION:
PROJECT MANAGER: FRANK GALDUN
e-mail: SEE LEFT
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: SAME PO#:
ADDRESS: AS
CITY LEFT STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) 3 DAY 3 DAY 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

ERA 8260 VOC

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
								A									← Specify Preservatives: A-HCl, B-HN03, C-H2SO4, D-NaOH, E-ICE, F-OTHER
1.	MW32	W			2/17	2:50	3	✓									
2.	MW33	W			2/17	3:20	3	✓									
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	2/17/25	1. 1017
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 4.6°C °C
Comments:

Page 1 of 1

CLIENT: ☒ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1376 GFEL01
Client Name : GFE LLC
Client Contact : Frank Galdun
Invoice Name : GFE LLC
Invoice Contact : Frank Galdun

Order Date : 2/17/2025 10:28:54 AM
Project Name : 1267 Forest Avem Staten Is
Receive DateTime : 2/17/2025 10:17:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 1
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1376-01	MW32	Water	02/17/2025	08:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q1376-02	MW33	Water	02/17/2025	08:20					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

Relinguished By :
Date / Time : 2/17/25 1115

Received By :
Date / Time : 02/17/25 11:15 RH 4

Storage Area : VOA Refridgerator Room