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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:	Q2554	**OrderDate:**	7/10/2025 9:19:00 AM
Client:	Garden State Laboratories, Inc.	**Project:**	Waste Water 2025
Contact:	Sharon Ercoliani	**Location:**	VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2554-01	**250709071-01 VOA**	**Water**			**07/09/25**			**07/10/25**
			VOCMS Group1	624.1			07/10/25	
			VOCMS Group2	8260-Low			07/10/25	
Q2554-01RE	**250709071-01 VOARE**	**Water**			**07/09/25**			**07/10/25**
			VOCMS Group1	624.1			07/10/25	
Q2554-02	**250709059-10 Trip blank**	**Water**			**07/09/25**			**07/10/25**
			VOCMS Group1	624.1			07/10/25	
			VOCMS Group2	8260-Low			07/10/25	
Q2554-03	**250709104-01 VOA**	**Water**			**07/09/25**			**07/10/25**
			VOCMS Group1	624.1			07/10/25	
			VOCMS Group2	8260-Low			07/10/25	
Q2554-04	**250709059-11 Trip blank**	**Water**			**07/09/25**			**07/10/25**
			VOCMS Group1	624.1			07/10/25	
			VOCMS Group2	8260-Low			07/10/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2554

Client: Garden State Laboratories, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**250709071-01 VOA**								
Q2554-01	250709071-01 VOA	Water	Acetone		1100	E	1.50	5.00	ug/L
Q2554-01	250709071-01 VOA	Water	Methyl tert-butyl Ether		2.00		0.16	1.00	ug/L
Q2554-01	250709071-01 VOA	Water	Methyl Acetate		2.80		0.27	1.00	ug/L
Q2554-01	250709071-01 VOA	Water	Methylene Chloride		0.73	J	0.28	1.00	ug/L
Q2554-01	250709071-01 VOA	Water	2-Butanone		1300	E	0.98	5.00	ug/L
Q2554-01	250709071-01 VOA	Water	Benzene		4.30		0.15	1.00	ug/L
Q2554-01	250709071-01 VOA	Water	4-Methyl-2-Pentanone		8.90	Q	0.68	5.00	ug/L
Q2554-01	250709071-01 VOA	Water	Toluene		6.70		0.14	1.00	ug/L
Q2554-01	250709071-01 VOA	Water	Chlorobenzene		1.30		0.12	1.00	ug/L
Q2554-01	250709071-01 VOA	Water	Ethyl Benzene		7.40		0.13	1.00	ug/L
Q2554-01	250709071-01 VOA	Water	m/p-Xylenes		7.80		0.24	2.00	ug/L
Q2554-01	250709071-01 VOA	Water	o-Xylene		4.70		0.12	1.00	ug/L
Q2554-01	250709071-01 VOA	Water	Isopropylbenzene		1.50		0.12	1.00	ug/L
Q2554-01	250709071-01 VOA	Water	1,4-Dichlorobenzene		3.50		0.19	1.00	ug/L
			Total Voc :		2450				
Q2554-01	250709071-01 VOA	Water	Methanethiol	*	14.6	J	0	0	ug/L
Q2554-01	250709071-01 VOA	Water	1-Hexanol, 2-ethyl-	*	8.10	J	0	0	ug/L
Q2554-01	250709071-01 VOA	Water	Dimethyl ether	*	25.5	J	0	0	ug/L
Q2554-01	250709071-01 VOA	Water	(+)-2-Bornanone	*	34.9	J	0	0	ug/L
Q2554-01	250709071-01 VOA	Water	Eucalyptol	*	6.40	J	0	0	ug/L
Q2554-01	250709071-01 VOA	Water	Fenchone	*	21.9	J	0	0	ug/L
Q2554-01	250709071-01 VOA	Water	Cyclohexene,1-(2-methylpropy	*	20.1	J	0	0	ug/L
Q2554-01	250709071-01 VOA	Water	3-Hexanone, 2-methyl-	*	7.90	J	0	0	ug/L
Q2554-01	250709071-01 VOA	Water	Tetrahydrofuran	*	490	J	0.99	5.00	ug/L
Q2554-01	250709071-01 VOA	Water	Tert butyl alcohol	*	4000	J	5.50	25.0	ug/L
Q2554-01	250709071-01 VOA	Water	Diethyl Ether	*	4.90	J	0.31	1.00	ug/L
Q2554-01	250709071-01 VOA	Water	Isopropyl Alcohol	*	26.9	J	0	0	ug/L
Q2554-01	250709071-01 VOA	Water	n-propylbenzene	*	0.62	J	0.13	1.00	ug/L
Q2554-01	250709071-01 VOA	Water	1,3,5-Trimethylbenzene	*	0.71	J	0.15	1.00	ug/L
Q2554-01	250709071-01 VOA	Water	1,2,4-Trimethylbenzene	*	3.10	J	0.14	1.00	ug/L
Q2554-01	250709071-01 VOA	Water	p-Isopropyltoluene	*	4.30	J	0.13	1.00	ug/L
Q2554-01	250709071-01 VOA	Water	Naphthalene	*	36.1	J	0.20	1.00	ug/L
Q2554-01	250709071-01 VOA	Water	1,4-Dioxane	*	88.0	J	6.90	100	ug/L
Q2554-01	250709071-01 VOA	Water	Methyl methacrylate	*	1.20	J	0.28	1.00	ug/L
			Total Tics :		4800				
			Total Concentration:		7250				

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Hit Summary Sheet
SW-846

SDG No.: Q2554

Client: Garden State Laboratories, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**250709104-01 VOA**								
Q2554-03	250709104-01 VOA	Water	Chloroethane		0.74	J	0.47	1.00	ug/L
Q2554-03	250709104-01 VOA	Water	Acetone		6.50		1.50	5.00	ug/L
Q2554-03	250709104-01 VOA	Water	Carbon Disulfide		0.34	J	0.21	1.00	ug/L
Q2554-03	250709104-01 VOA	Water	Methyl tert-butyl Ether		0.54	J	0.16	1.00	ug/L
Q2554-03	250709104-01 VOA	Water	Benzene		1.60		0.15	1.00	ug/L
Q2554-03	250709104-01 VOA	Water	Toluene		0.71	J	0.14	1.00	ug/L
Q2554-03	250709104-01 VOA	Water	Chlorobenzene		15.5		0.12	1.00	ug/L
Q2554-03	250709104-01 VOA	Water	Ethyl Benzene		2.70		0.13	1.00	ug/L
Q2554-03	250709104-01 VOA	Water	m/p-Xylenes		3.20		0.24	2.00	ug/L
Q2554-03	250709104-01 VOA	Water	o-Xylene		2.50		0.12	1.00	ug/L
Q2554-03	250709104-01 VOA	Water	Isopropylbenzene		1.30		0.12	1.00	ug/L
Q2554-03	250709104-01 VOA	Water	1,4-Dichlorobenzene		7.70		0.19	1.00	ug/L
Q2554-03	250709104-01 VOA	Water	1,2-Dichlorobenzene		0.56	J	0.16	1.00	ug/L
			Total Voc :		43.9				
Q2554-03	250709104-01 VOA	Water	Tetrahydrofuran	*	150	J	0.99	5.00	ug/L
Q2554-03	250709104-01 VOA	Water	Tert butyl alcohol	*	220	J	5.50	25.0	ug/L
Q2554-03	250709104-01 VOA	Water	Diethyl Ether	*	12.5	J	0.31	1.00	ug/L
Q2554-03	250709104-01 VOA	Water	n-propylbenzene	*	0.70	J	0.13	1.00	ug/L
Q2554-03	250709104-01 VOA	Water	2-Chlorotoluene	*	0.62	J	0.14	1.00	ug/L
Q2554-03	250709104-01 VOA	Water	1,3,5-Trimethylbenzene	*	0.30	J	0.15	1.00	ug/L
Q2554-03	250709104-01 VOA	Water	1,2,4-Trimethylbenzene	*	1.80	J	0.14	1.00	ug/L
Q2554-03	250709104-01 VOA	Water	Naphthalene	*	11.4	J	0.20	1.00	ug/L
Q2554-03	250709104-01 VOA	Water	1,4-Dioxane	*	190	J	6.90	100	ug/L
			Total Tics :		587				
			Total Concentration:		631				

QC SUMMARY

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Surrogate Summary

SDG No.: Q2554

Client: Garden State Laboratories, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2554-01	250709071-01 VOA	1,2-Dichloroethane-d4	50	52.5	105		74	125
		Dibromofluoromethane	50	46.6	93		75	124
		Toluene-d8	50	51.0	102		86	113
		4-Bromofluorobenzene	50	53.0	106		77	121
Q2554-02	250709059-10 Trip blank	1,2-Dichloroethane-d4	50	53.8	108		74	125
		Dibromofluoromethane	50	49.4	99		75	124
		Toluene-d8	50	50.6	101		86	113
		4-Bromofluorobenzene	50	50.7	101		77	121
Q2554-03	250709104-01 VOA	1,2-Dichloroethane-d4	50	51.1	102		74	125
		Dibromofluoromethane	50	47.5	95		75	124
		Toluene-d8	50	49.5	99		86	113
		4-Bromofluorobenzene	50	50.4	101		77	121
Q2554-04	250709059-11 Trip blank	1,2-Dichloroethane-d4	50	54.5	109		74	125
		Dibromofluoromethane	50	49.4	99		75	124
		Toluene-d8	50	50.3	100		86	113
		4-Bromofluorobenzene	50	50.4	101		77	121
VX0710WBL01	VX0710WBL01	1,2-Dichloroethane-d4	50	56.6	113		74	125
		Dibromofluoromethane	50	49.6	99		75	124
		Toluene-d8	50	50.8	102		86	113
		4-Bromofluorobenzene	50	51.5	103		77	121
VX0710WBS01	VX0710WBS01	1,2-Dichloroethane-d4	50	51.9	104		74	125
		Dibromofluoromethane	50	51.2	102		75	124
		Toluene-d8	50	49.9	100		86	113
		4-Bromofluorobenzene	50	52.6	105		77	121
VX0710WBSD0	VX0710WBSD01	1,2-Dichloroethane-d4	50	52.1	104		74	125
		Dibromofluoromethane	50	51.2	102		75	124
		Toluene-d8	50	49.6	99		86	113
		4-Bromofluorobenzene	50	52.7	105		77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q2554**	**Analytical Method:**	**SW8260-Low**
Client:	**Garden State Laboratories, Inc.**	**Datafile :**	VX046936.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0710WBS01	Dichlorodifluoromethane	20	18.6	ug/L	93			69	116	
	Chloromethane	20	18.8	ug/L	94			65	116	
	Vinyl chloride	20	18.3	ug/L	92			65	117	
	Bromomethane	20	19.2	ug/L	96			58	125	
	Chloroethane	20	18.1	ug/L	91			56	128	
	Trichlorofluoromethane	20	19.4	ug/L	97			73	115	
	1,1,2-Trichlorotrifluoroethane	20	19.6	ug/L	98			80	112	
	1,1-Dichloroethene	20	18.2	ug/L	91			74	110	
	Acetone	100	96.3	ug/L	96			60	125	
	Carbon disulfide	20	16.9	ug/L	85			64	112	
	Methyl tert-butyl Ether	20	20.0	ug/L	100			78	114	
	Methyl Acetate	20	23.0	ug/L	115			67	125	
	Methylene Chloride	20	20.6	ug/L	103			72	114	
	trans-1,2-Dichloroethene	20	19.4	ug/L	97			75	108	
	1,1-Dichloroethane	20	19.9	ug/L	100			78	112	
	Cyclohexane	20	18.8	ug/L	94			75	110	
	2-Butanone	100	100	ug/L	100			65	122	
	Carbon Tetrachloride	20	19.5	ug/L	98			77	113	
	cis-1,2-Dichloroethene	20	19.4	ug/L	97			77	110	
	Bromochloromethane	20	21.7	ug/L	109			70	124	
	Chloroform	20	19.7	ug/L	99			79	113	
	1,1,1-Trichloroethane	20	19.3	ug/L	97			80	108	
	Methylcyclohexane	20	17.8	ug/L	89			72	115	
	Benzene	20	19.1	ug/L	96			82	109	
	1,2-Dichloroethane	20	20.0	ug/L	100			80	115	
	Trichloroethene	20	18.3	ug/L	92			77	113	
	1,2-Dichloropropane	20	19.5	ug/L	98			83	111	
	Bromodichloromethane	20	19.4	ug/L	97			83	110	
	4-Methyl-2-Pentanone	100	110	ug/L	110			74	118	
	Toluene	20	19.7	ug/L	99			82	110	
	t-1,3-Dichloropropene	20	19.1	ug/L	96			79	110	
	cis-1,3-Dichloropropene	20	19.3	ug/L	97			82	110	
	1,1,2-Trichloroethane	20	20.5	ug/L	103			83	112	
	2-Hexanone	100	110	ug/L	110			73	117	
	Dibromochloromethane	20	19.9	ug/L	100			82	110	
	1,2-Dibromoethane	20	20.2	ug/L	101			81	110	
	Tetrachloroethene	20	18.4	ug/L	92			67	123	
	Chlorobenzene	20	19.2	ug/L	96			82	109	
	Ethyl Benzene	20	19.3	ug/L	97			83	109	
	m/p-Xylenes	40	38.5	ug/L	96			82	110	
	o-Xylene	20	19.1	ug/L	96			83	109	
	Styrene	20	19.7	ug/L	99			80	111	
	Bromoform	20	19.4	ug/L	97			79	109	
	Isopropylbenzene	20	18.9	ug/L	95			83	112	
	1,1,2,2-Tetrachloroethane	20	19.5	ug/L	98			76	118	
	1,3-Dichlorobenzene	20	19.0	ug/L	95			82	108	
	1,4-Dichlorobenzene	20	18.5	ug/L	93			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.: Q2554 **Analytical Method:** SW8260-Low

Client: Garden State Laboratories, Inc. **Datafile :** VX046936.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0710WBS01	1,2-Dibromo-3-Chloropropane	20	19.3	ug/L	97			68	112	
	1,2,4-Trichlorobenzene	20	17.8	ug/L	89			75	113	
	1,2,3-Trichlorobenzene	20	18.7	ug/L	94			76	114	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2554 **Analytical Method:** SW8260-Low

Client: Garden State Laboratories, Inc. **Datafile :** VX046937.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0710WBSD01	Dichlorodifluoromethane	20	17.6	ug/L	88	6		69	116	19
	Chloromethane	20	17.9	ug/L	90	4		65	116	21
	Vinyl chloride	20	17.5	ug/L	88	4		65	117	19
	Bromomethane	20	19.1	ug/L	96	0		58	125	20
	Chloroethane	20	17.7	ug/L	89	2		56	128	20
	Trichlorofluoromethane	20	18.8	ug/L	94	3		73	115	16
	1,1,2-Trichlorotrifluoroethane	20	19.2	ug/L	96	2		80	112	15
	1,1-Dichloroethene	20	18.0	ug/L	90	1		74	110	20
	Acetone	100	98.0	ug/L	98	2		60	125	20
	Carbon disulfide	20	16.3	ug/L	81	5		64	112	20
	Methyl tert-butyl Ether	20	21.1	ug/L	106	6		78	114	20
	Methyl Acetate	20	24.3	ug/L	121	5		67	125	20
	Methylene Chloride	20	20.6	ug/L	103	0		72	114	20
	trans-1,2-Dichloroethene	20	18.5	ug/L	93	4		75	108	16
	1,1-Dichloroethane	20	19.5	ug/L	98	2		78	112	20
	Cyclohexane	20	18.9	ug/L	95	1		75	110	20
	2-Butanone	100	110	ug/L	110	10		65	122	26
	Carbon Tetrachloride	20	19.5	ug/L	98	0		77	113	15
	cis-1,2-Dichloroethene	20	19.3	ug/L	97	0		77	110	20
	Bromochloromethane	20	21.4	ug/L	107	2		70	124	20
	Chloroform	20	20.0	ug/L	100	1		79	113	20
	1,1,1-Trichloroethane	20	19.5	ug/L	98	1		80	108	20
	Methylcyclohexane	20	18.2	ug/L	91	2		72	115	20
	Benzene	20	19.5	ug/L	98	2		82	109	15
	1,2-Dichloroethane	20	20.7	ug/L	104	4		80	115	20
	Trichloroethene	20	18.7	ug/L	94	2		77	113	15
	1,2-Dichloropropane	20	20.3	ug/L	102	4		83	111	16
	Bromodichloromethane	20	20.4	ug/L	102	5		83	110	16
	4-Methyl-2-Pentanone	100	120	ug/L	120	9	*	74	118	25
	Toluene	20	19.9	ug/L	100	1		82	110	16
	t-1,3-Dichloropropene	20	20.0	ug/L	100	4		79	110	20
	cis-1,3-Dichloropropene	20	19.8	ug/L	99	2		82	110	16
	1,1,2-Trichloroethane	20	21.2	ug/L	106	3		83	112	20
	2-Hexanone	100	110	ug/L	110	0		73	117	25
	Dibromochloromethane	20	20.7	ug/L	104	4		82	110	20
	1,2-Dibromoethane	20	20.8	ug/L	104	3		81	110	20
	Tetrachloroethene	20	18.5	ug/L	93	1		67	123	15
	Chlorobenzene	20	19.6	ug/L	98	2		82	109	15
	Ethyl Benzene	20	19.5	ug/L	98	1		83	109	16
	m/p-Xylenes	40	39.1	ug/L	98	2		82	110	15
	o-Xylene	20	19.2	ug/L	96	0		83	109	20
	Styrene	20	20.1	ug/L	101	2		80	111	17
	Bromoform	20	20.1	ug/L	101	4		79	109	20
	Isopropylbenzene	20	19.4	ug/L	97	2		83	112	29
	1,1,2,2-Tetrachloroethane	20	20.6	ug/L	103	5		76	118	20
	1,3-Dichlorobenzene	20	19.8	ug/L	99	4		82	108	20
	1,4-Dichlorobenzene	20	18.8	ug/L	94	1		82	107	15
	1,2-Dichlorobenzene	20	19.5	ug/L	98	4		82	109	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q2554**	**Analytical Method:**	**SW8260-Low**
Client:	**Garden State Laboratories, Inc.**	**Datafile :**	VX046937.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0710WBSD01	1,2-Dibromo-3-Chloropropane	20	20.5	ug/L	103	6		68	112	20
	1,2,4-Trichlorobenzene	20	19.2	ug/L	96	8		75	113	29
	1,2,3-Trichlorobenzene	20	19.6	ug/L	98	4		76	114	29

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX0710WBL01

Lab Name: Alliance Contract: GARD04

Lab Code: ACE SDG NO.: Q2554

Lab File ID: VX046935.D Lab Sample ID: VX0710WBL01

Date Analyzed: 07/10/2025 Time Analyzed: 11:44

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
VX0710WBS01	VX0710WBS01	VX046936.D	07/10/2025
VX0710WBSD01	VX0710WBSD01	VX046937.D	07/10/2025
250709059-10 Trip blank	Q2554-02	VX046941.D	07/10/2025
250709059-11 Trip blank	Q2554-04	VX046942.D	07/10/2025
250709104-01 VOA	Q2554-03	VX046950.D	07/10/2025
250709071-01 VOA	Q2554-01	VX046951.D	07/10/2025

COMMENTS:

Raw Data: **VX046859.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: GARD04
Lab Code: ACE
SDG NO.: Q2554
Lab File ID: VX046859.D
BFB Injection Date: 07/02/2025
Instrument ID: MSVOA_X
BFB Injection Time: 11:12
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	18.2
75	30.0 - 60.0% of mass 95	50.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.8 (1) 1
174	50.0 - 100.0% of mass 95	75.5
175	5.0 - 9.0% of mass 174	5.6 (7.4) 1
176	95.0 - 101.0% of mass 174	73.3 (97.1) 1
177	5.0 - 9.0% of mass 176	4.9 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VX046860.D	07/02/2025	12:11
VSTDICC005	VSTDICC005	VX046861.D	07/02/2025	12:37
VSTDICC020	VSTDICC020	VX046862.D	07/02/2025	13:18
VSTDICCC050	VSTDICCC050	VX046863.D	07/02/2025	13:39
VSTDICC100	VSTDICC100	VX046864.D	07/02/2025	14:10
VSTDICC150	VSTDICC150	VX046865.D	07/02/2025	14:31

Raw Data: **VX046932.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: GARD04
Lab Code: ACE
SDG NO.: Q2554
Lab File ID: VX046932.D
BFB Injection Date: 07/10/2025
Instrument ID: MSVOA_X
BFB Injection Time: 08:43
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.2
75	30.0 - 60.0% of mass 95	52.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	75.5
175	5.0 - 9.0% of mass 174	5.7 (7.6) 1
176	95.0 - 101.0% of mass 174	71.9 (95.2) 1
177	5.0 - 9.0% of mass 176	5.1 (7.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX046933.D	07/10/2025	09:54
VX0710WBL01	VX0710WBL01	VX046935.D	07/10/2025	11:44
VX0710WBS01	VX0710WBS01	VX046936.D	07/10/2025	12:10
VX0710WBSD01	VX0710WBSD01	VX046937.D	07/10/2025	12:35
250709059-10 Trip blank	Q2554-02	VX046941.D	07/10/2025	14:00
250709059-11 Trip blank	Q2554-04	VX046942.D	07/10/2025	14:21
250709104-01 VOA	Q2554-03	VX046950.D	07/10/2025	17:12
250709071-01 VOA	Q2554-01	VX046951.D	07/10/2025	17:34

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GARD04

Lab Code: ACE SDG NO.: Q2554

Lab File ID: VX046933.D Date Analyzed: 07/10/2025

Instrument ID: MSVOA_X Time Analyzed: 09:54

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	309661	5.56	506196	6.76	449744	10.05
UPPER LIMIT	619322	6.056	1012390	7.263	899488	10.549
LOWER LIMIT	154831	5.056	253098	6.263	224872	9.549
EPA SAMPLE NO.						
250709071-01 VOA	426063	5.56	761385	6.77	719131	10.06
250709059-10 Trip blank	336838	5.57	597114	6.77	559535	10.06
250709104-01 VOA	454545	5.57	801050	6.77	733561	10.06
250709059-11 Trip blank	339396	5.56	600517	6.77	555080	10.06
VX0710WBL01	311309	5.56	568946	6.76	543608	10.06
VX0710WBS01	342120	5.56	567066	6.76	521192	10.06
VX0710WBSD01	319533	5.56	525170	6.76	482068	10.06

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

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GARD04

Lab Code: ACE SDG NO.: Q2554

Lab File ID: VX046933.D Date Analyzed: 07/10/2025

Instrument ID: MSVOA_X Time Analyzed: 09:54

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

	IS4 AREA #	RT #				
12 HOUR STD	231018	12.018				
UPPER LIMIT	462036	12.518				
LOWER LIMIT	115509	11.518				
EPA SAMPLE NO.						
250709071-01 VOA	364444	12.02				
250709059-10 Trip blank	278760	12.02				
250709104-01 VOA	377959	12.02				
250709059-11 Trip blank	279121	12.02				
VX0710WBL01	271904	12.02				
VX0710WBS01	270401	12.02				
VX0710WBSD01	249133	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: **VX046951.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	07/09/25
Project:	Waste Water 2025	Date Received:	07/10/25
Client Sample ID:	250709071-01 VOA	SDG No.:	Q2554
Lab Sample ID:	Q2554-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046951.D	1	07/10/25 17:34	VX071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	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	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1100	E	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	2.00		0.16	1.00	ug/L
79-20-9	Methyl Acetate	2.80		0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.73	J	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	1300	E	0.98	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	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	4.30		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	8.90	Q	0.68	5.00	ug/L
108-88-3	Toluene	6.70		0.14	1.00	ug/L

Raw Data: **VX046951.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	07/09/25
Project:	Waste Water 2025	Date Received:	07/10/25
Client Sample ID:	250709071-01 VOA	SDG No.:	Q2554
Lab Sample ID:	Q2554-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046951.D	1	07/10/25 17:34	VX071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	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	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	1.30		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	7.40		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	7.80		0.24	2.00	ug/L
95-47-6	o-Xylene	4.70		0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.50		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	3.50		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.5		74 - 125	105%	SPK: 50
1868-53-7	Dibromofluoromethane	46.7		75 - 124	93%	SPK: 50
2037-26-5	Toluene-d8	51.0		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.0		77 - 121	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	426000	5.562			
540-36-3	1,4-Difluorobenzene	761000	6.769			
3114-55-4	Chlorobenzene-d5	719000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	364000	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VX046951.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	07/09/25
Project:	Waste Water 2025	Date Received:	07/10/25
Client Sample ID:	250709071-01 VOA	SDG No.:	Q2554
Lab Sample ID:	Q2554-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046951.D	1	07/10/25 17:34	VX071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000115-10-6	Dimethyl ether	25.5	J		1.27	ug/L
000074-93-1	Methanethiol	14.6	J		1.57	ug/L
60-29-7	Diethyl Ether	4.90	J		2.15	ug/L
67-63-0	Isopropyl Alcohol	26.9	J		2.53	ug/L
75-65-0	Tert butyl alcohol	4000	J		2.95	ug/L
109-99-9	Tetrahydrofuran	490	J		5.01	ug/L
123-91-1	1,4-Dioxane	88.0	J		7.67	ug/L
80-62-6	Methyl methacrylate	1.20	J		7.71	ug/L
007379-12-6	3-Hexanone, 2-methyl-	7.90	J		9.38	ug/L
103-65-1	n-propylbenzene	0.62	J		11.3	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.71	J		11.5	ug/L
95-63-6	1,2,4-Trimethylbenzene	3.10	J		11.8	ug/L
99-87-6	p-Isopropyltoluene	4.30	J		12.0	ug/L
000470-82-6	Eucalyptol	6.40	J		12.1	ug/L
000104-76-7	1-Hexanol, 2-ethyl-	8.10	J		12.2	ug/L
001195-79-5	Fenchone	21.9	J		12.9	ug/L
000464-49-3	(+)-2-Bornanone	34.9	J		13.5	ug/L
003983-03-7	Cyclohexene,1-(2-methylpropyl)-	20.1	J		13.6	ug/L
91-20-3	Naphthalene	36.1	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\VX071025\
Data File : VX046951.D
Acq On : 10 Jul 2025 17:34
Operator : JC/MD
Sample : Q2554-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jul 11 01:34:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA

Manual Integrations APPROVED

Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	426063	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	761385	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	719131	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	364444	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	295255	52.455	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.920%			
35) Dibromofluoromethane	5.397	113	241105	46.651	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.300%			
50) Toluene-d8	8.647	98	929469	50.972	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.940%			
62) 4-Bromofluorobenzene	11.079	95	366996	52.955	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.920%			
Target Compounds						Qvalue
8) Diethyl Ether	2.148	74	12942	4.851	ug/l	94
11) Tert butyl alcohol	2.953	59	1482678	4016.362	ug/l	100
16) Acetone	2.386	43	1842869	1054.034	ug/l	99
18) Methyl Acetate	2.715	43	12829	2.784	ug/l	93
19) Methyl tert-butyl Ether	3.129	73	25499	1.954	ug/l	91
20) Methylene Chloride	2.800	84	3746	0.725	ug/l #	92
25) 2-Butanone	4.562	43	3136222	1344.471	ug/l	99
29) Tetrahydrofuran	5.007	42	729213	490.393	ug/l	98
40) Benzene	6.050	78	90851	4.307	ug/l	100
48) Methyl methacrylate	7.708	41	5452m	1.161	ug/l	
49) 1,4-Dioxane	7.671	88	4790	88.009	ug/l #	77
51) 4-Methyl-2-Pentanone	8.580	43	47987	8.938	ug/l	95
52) Toluene	8.720	92	87478	6.693	ug/l	99
65) Chlorobenzene	10.079	112	20832	1.340	ug/l	96
67) Ethyl Benzene	10.195	91	196380	7.375	ug/l	100
68) m/p-Xylenes	10.299	106	78521	7.826	ug/l	98
69) o-Xylene	10.640	106	45570	4.702	ug/l	97
73) Isopropylbenzene	10.963	105	37211	1.452	ug/l	98
78) n-propylbenzene	11.305	91	18995	0.615	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	14835	0.713	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	65198	3.099	ug/l	98
86) p-Isopropyltoluene	12.006	119	98500	4.339	ug/l	97
88) 1,4-Dichlorobenzene	12.036	146	43370	3.492	ug/l	91
95) Naphthalene	13.774	128	747664	36.112	ug/l	100

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

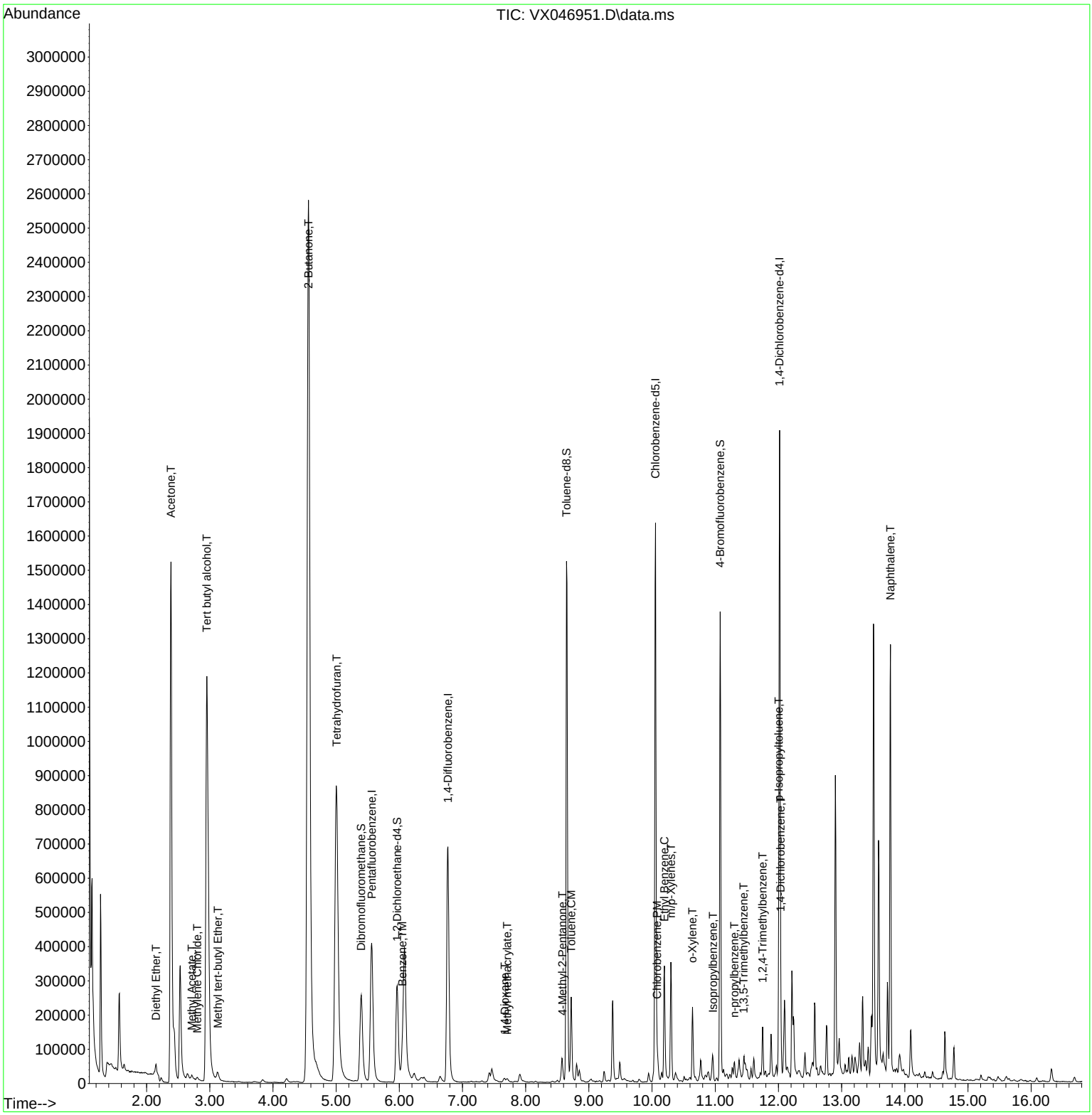
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046951.D
Acq On : 10 Jul 2025 17:34
Operator : JC/MD
Sample : Q2554-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

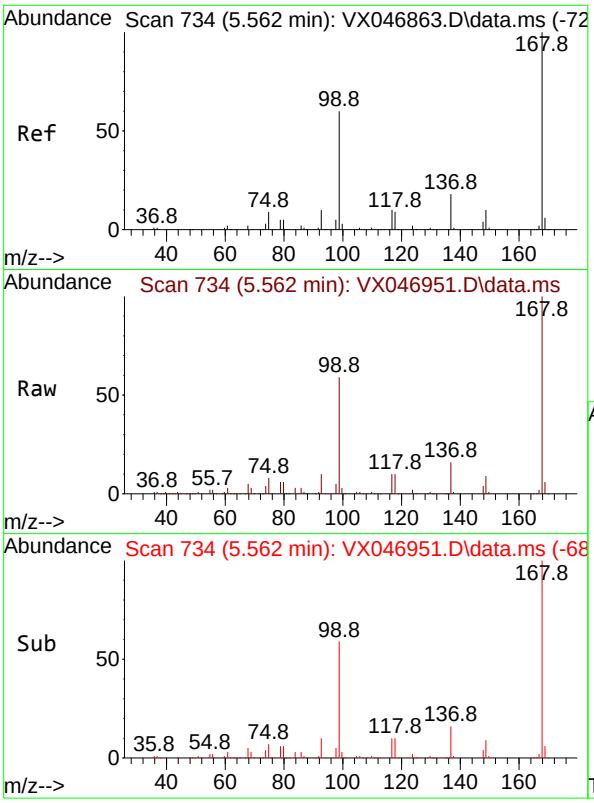
Quant Time: Jul 11 01:34:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA

Manual Integrations APPROVED

Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

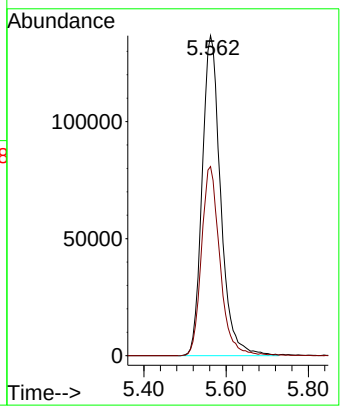




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

Tgt Ion:168 Resp: 42606

Ion	Ratio	Lower	Upper
168	100		
99	59.1	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA

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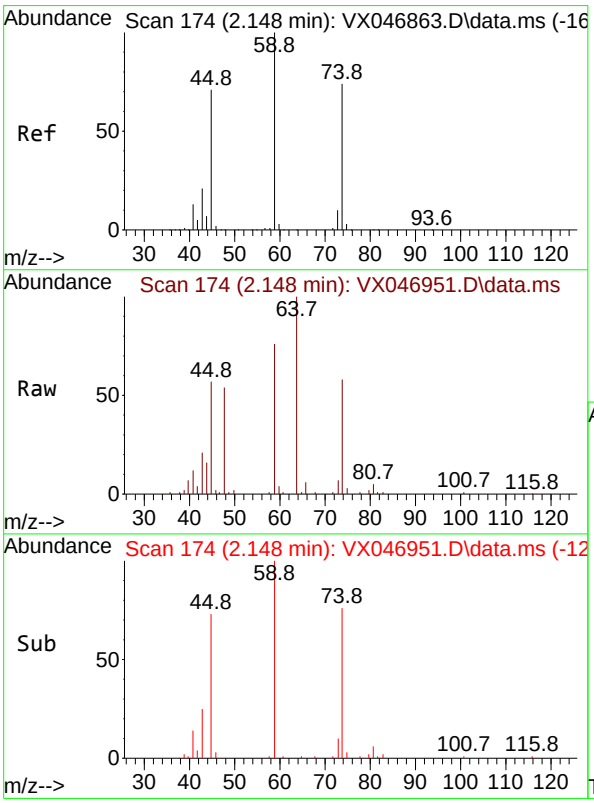
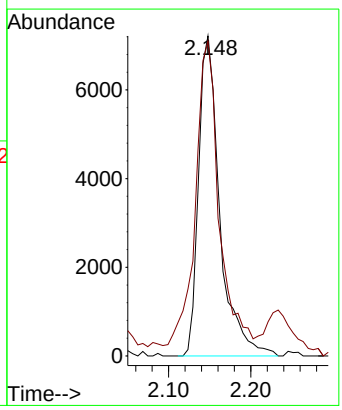
Supervised By :Mahesh Dadoda 07/14/2025

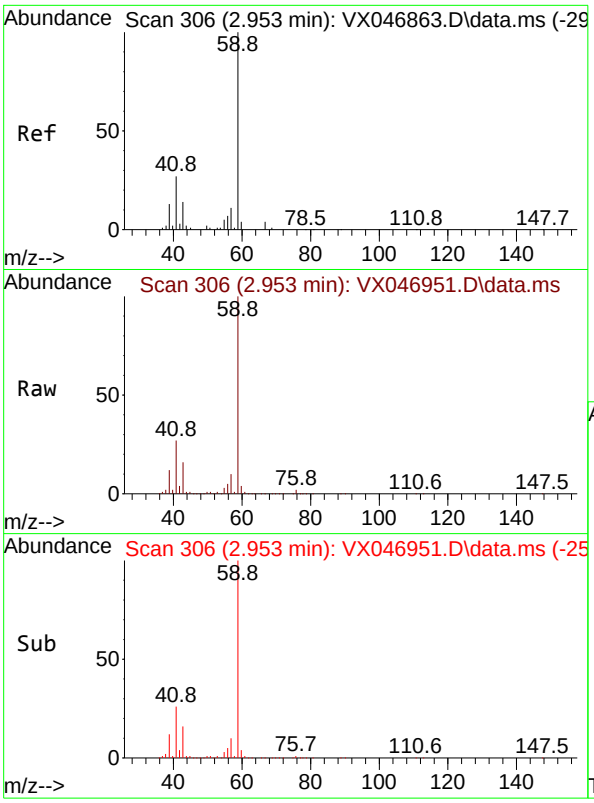


#8
Diethyl Ether
Concen: 4.851 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

Tgt Ion: 74 Resp: 12942

Ion	Ratio	Lower	Upper
74	100		
45	107.2	50.7	152.1





#11
Tert butyl alcohol
Concen: 4016.362 ug/l
RT: 2.953 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

Tgt Ion: 59 Resp: 148267

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.5	12.7

Instrument :
MSVOA_X
ClientSampleId :
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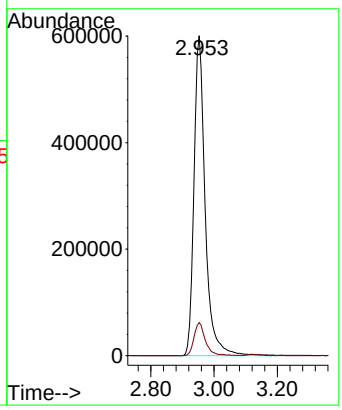
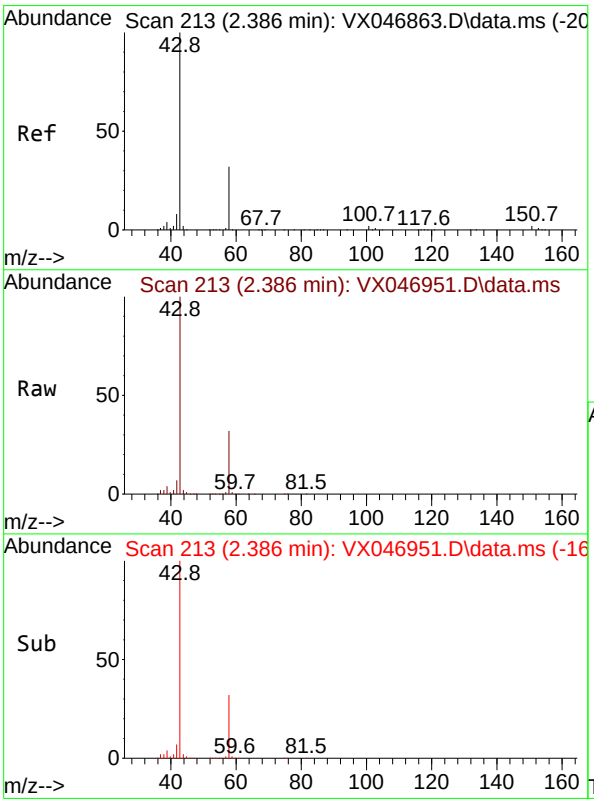
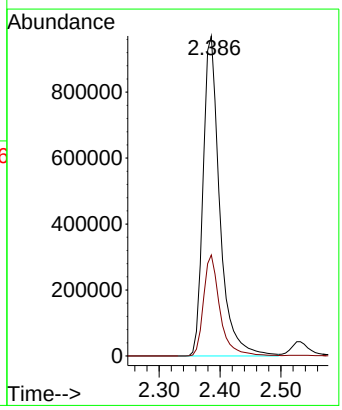


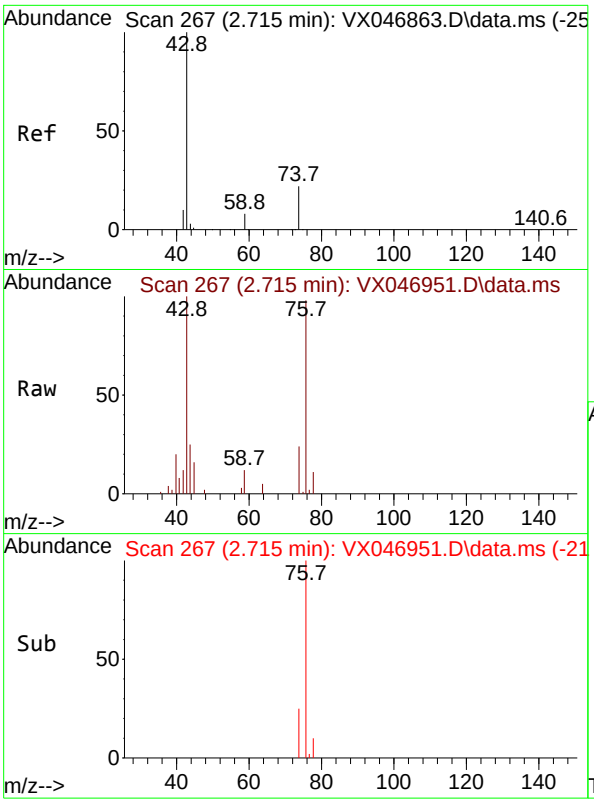


#16
Acetone
Concen: 1054.034 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

Tgt Ion: 43 Resp: 1842869

Ion	Ratio	Lower	Upper
43	100		
58	31.5	25.8	38.6





#18
Methyl Acetate
Concen: 2.784 ug/l
RT: 2.715 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

Tgt Ion: 43 Resp: 1282

Ion	Ratio	Lower	Upper
43	100		
74	26.4	18.3	27.5

Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA

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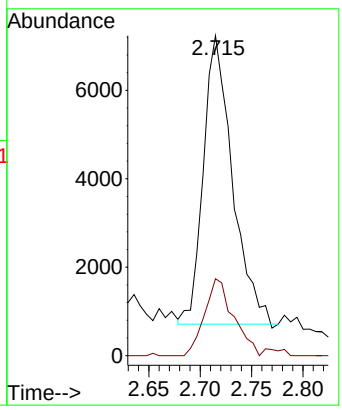
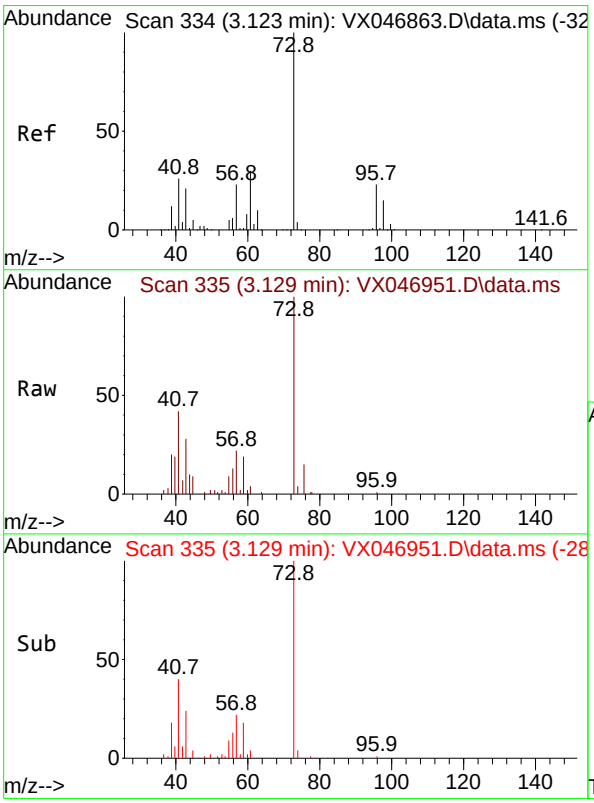
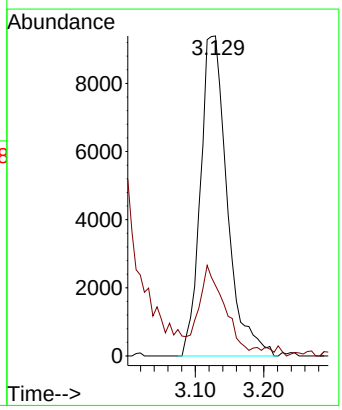


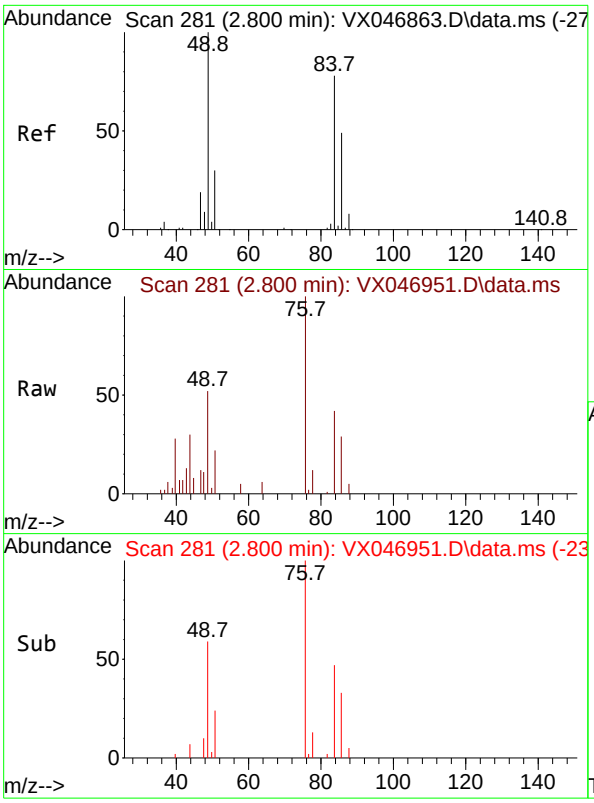


#19
Methyl tert-butyl Ether
Concen: 1.954 ug/l
RT: 3.129 min Scan# 335
Delta R.T. 0.006 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

Tgt Ion: 73 Resp: 25499

Ion	Ratio	Lower	Upper
73	100		
57	18.9	18.6	28.0

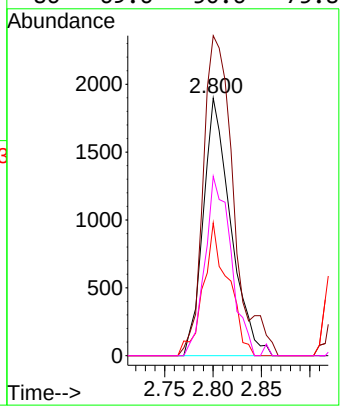




#20
Methylene Chloride
Concen: 0.725 ug/l
RT: 2.800 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

Tgt Ion: 84 Resp: 374

Ion	Ratio	Lower	Upper
84	100		
49	124.2	102.8	154.2
51	51.6	31.1	46.7#
86	69.6	50.6	75.8



Instrument :
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ClientSampleId :
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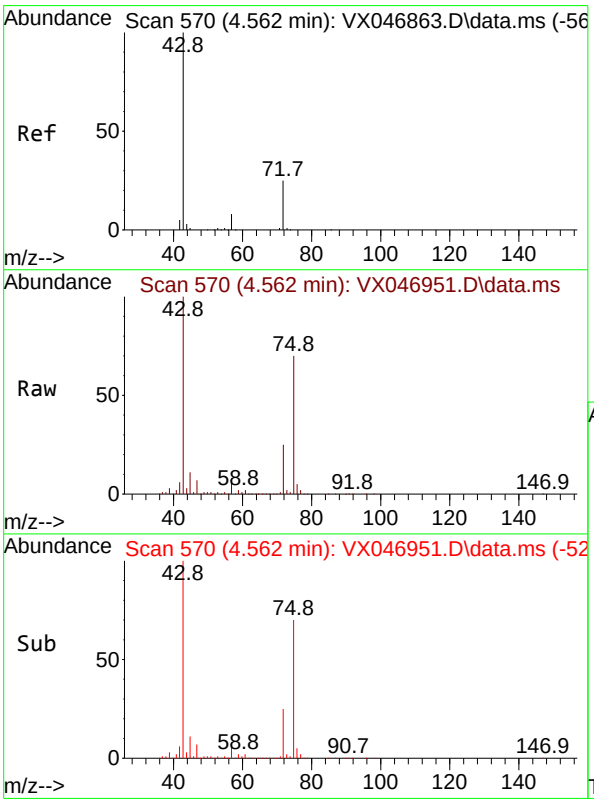
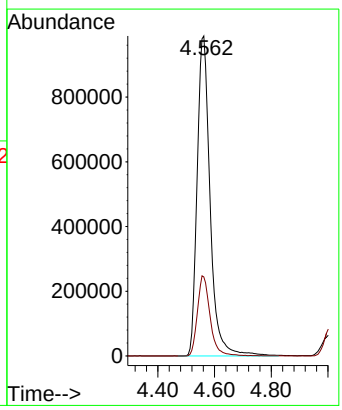
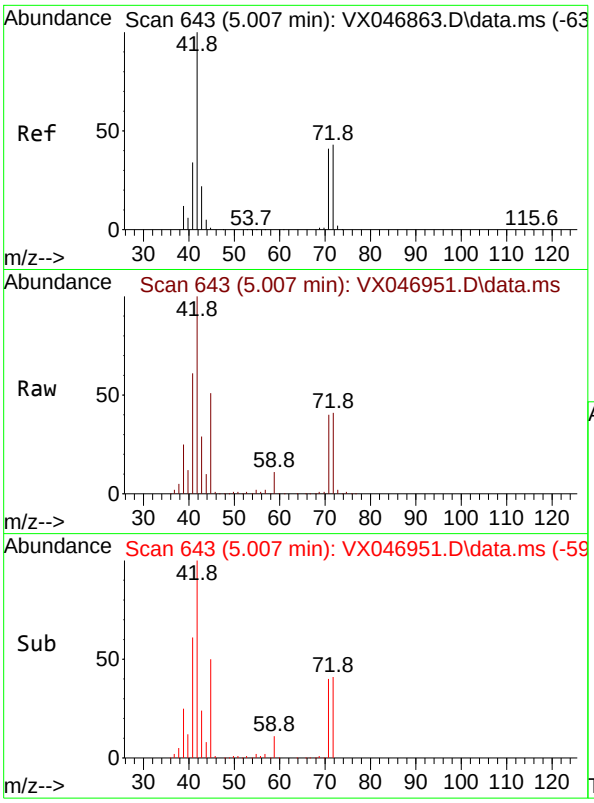


#25
2-Butanone
Concen: 1344.471 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

Tgt Ion: 43 Resp: 3136222

Ion	Ratio	Lower	Upper
43	100		
72	24.7	20.0	30.0

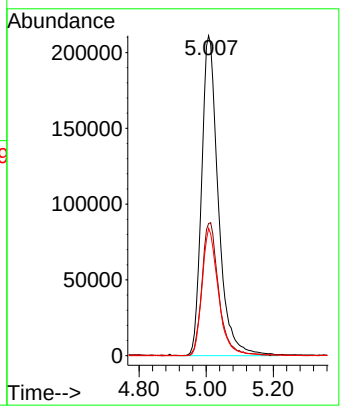




#29
Tetrahydrofuran
Concen: 490.393 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

Tgt Ion: 42 Resp: 72921

Ion	Ratio	Lower	Upper
42	100		
72	42.0	35.1	52.7
71	38.8	31.9	47.9



Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA

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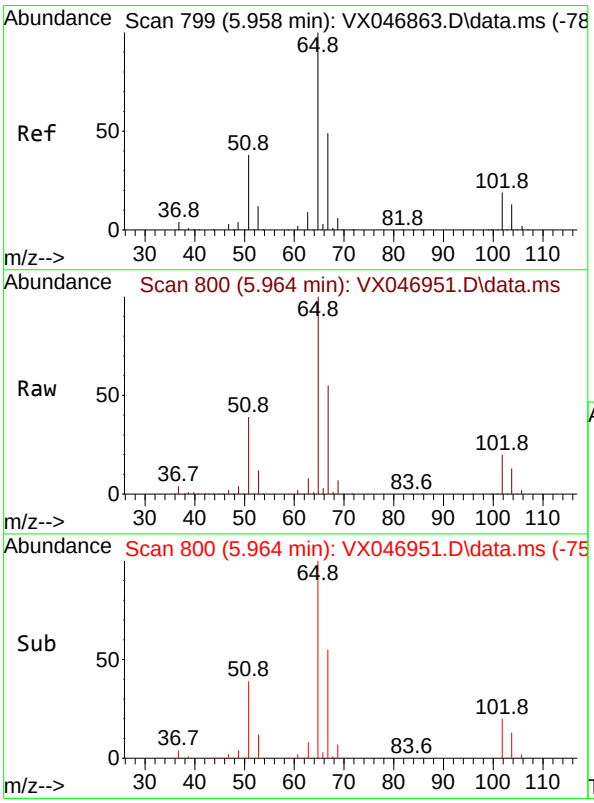
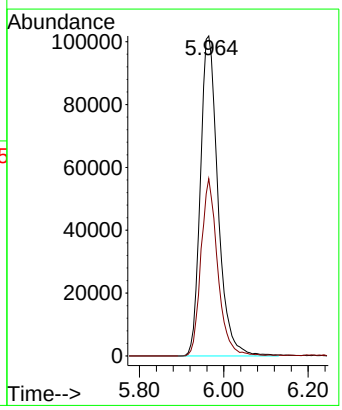
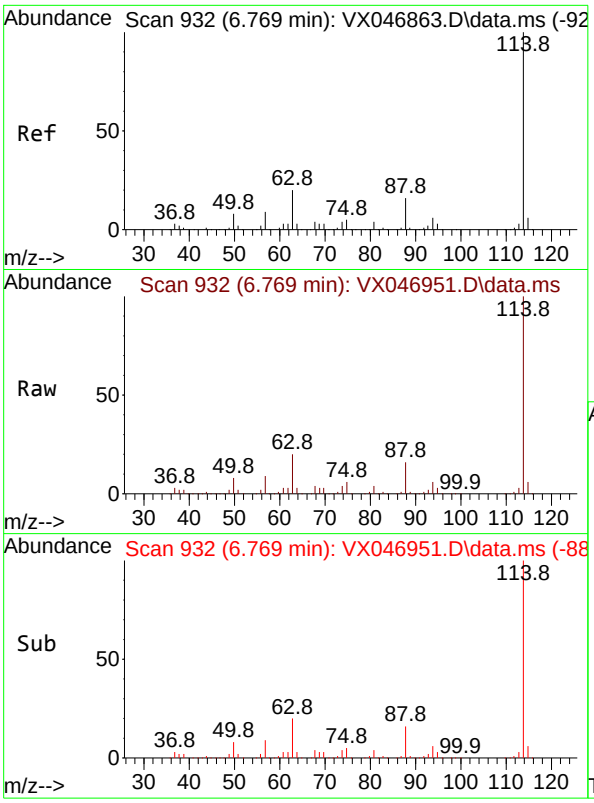


#33
1,2-Dichloroethane-d4
Concen: 52.455 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

Tgt Ion: 65 Resp: 295255

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	105.2





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

Tgt Ion:114 Resp: 76138

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.4
88	16.0	0.0	31.0

Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA

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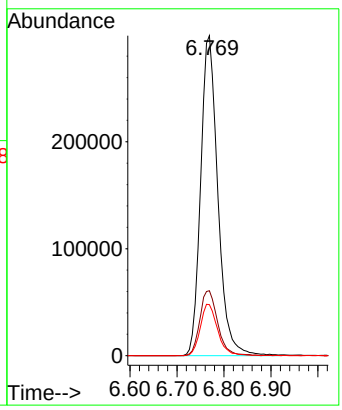
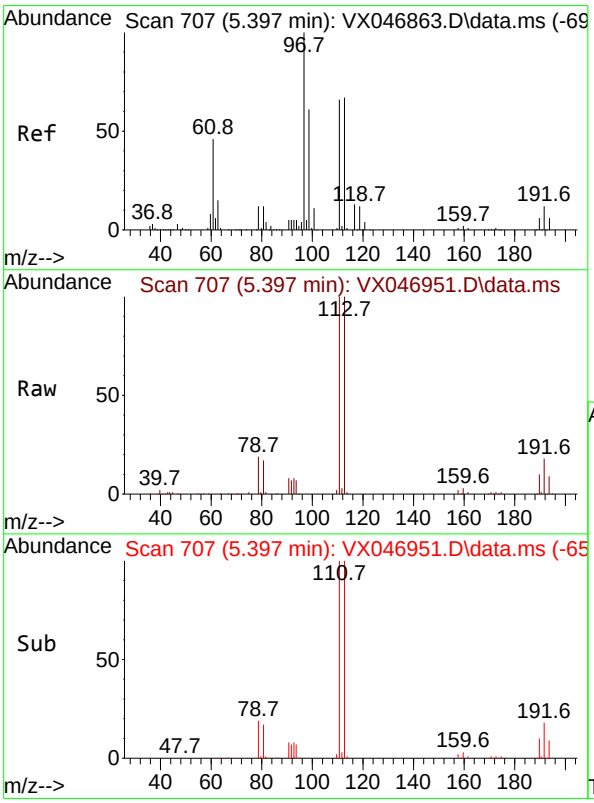
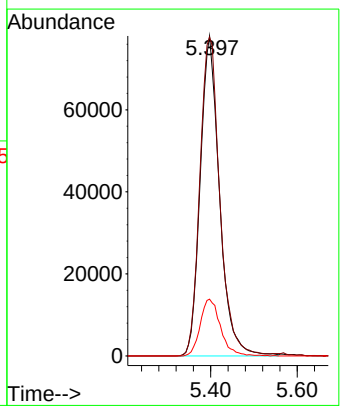


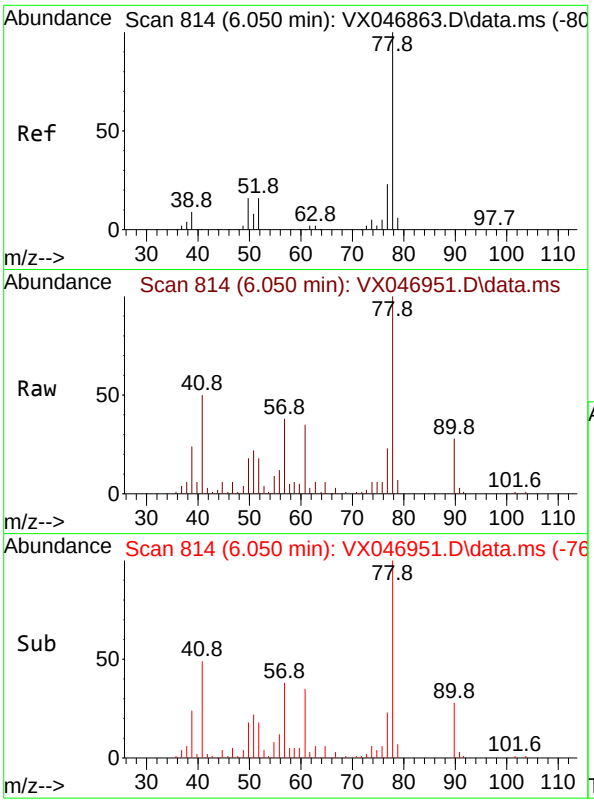


#35
Dibromofluoromethane
Concen: 46.651 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

Tgt Ion:113 Resp: 241105

Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.2	121.8
192	18.7	15.3	22.9





#40
Benzene
Concen: 4.307 ug/l
RT: 6.050 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

Tgt Ion: 78 Resp: 9085

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1

Instrument :
MSVOA_X
ClientSampleId :
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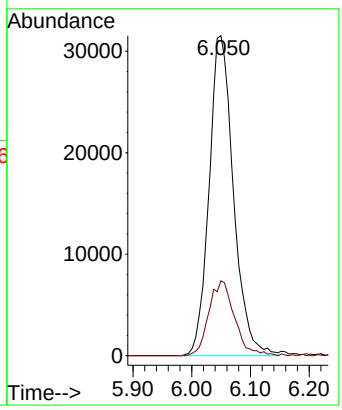
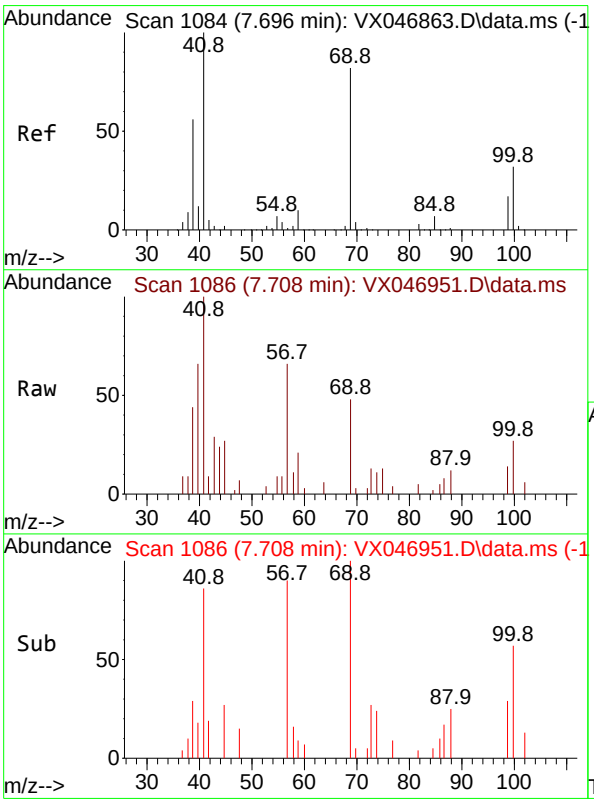
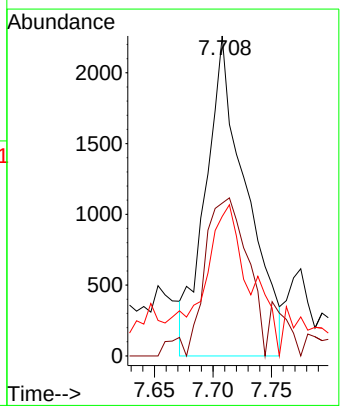


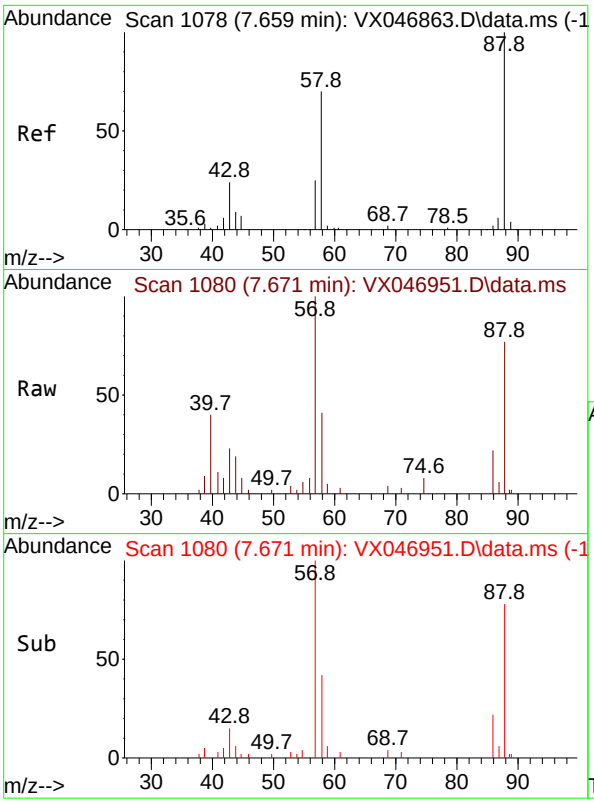


#48
Methyl methacrylate
Concen: 1.161 ug/l m
RT: 7.708 min Scan# 1086
Delta R.T. 0.012 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

Tgt Ion: 41 Resp: 5452

Ion	Ratio	Lower	Upper
41	100		
69	50.6	65.8	98.8#
39	55.6	43.8	65.6





#49
1,4-Dioxane
Concen: 88.009 ug/l
RT: 7.671 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

Tgt Ion: 88 Resp: 479

Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.7	47.5#
58	71.8	57.5	86.3

Instrument :
MSVOA_X
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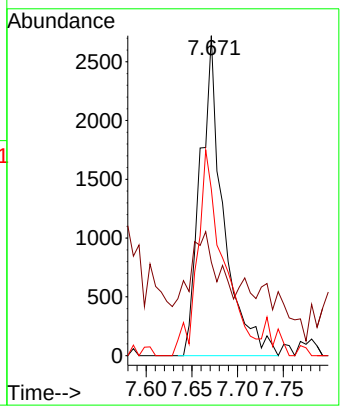
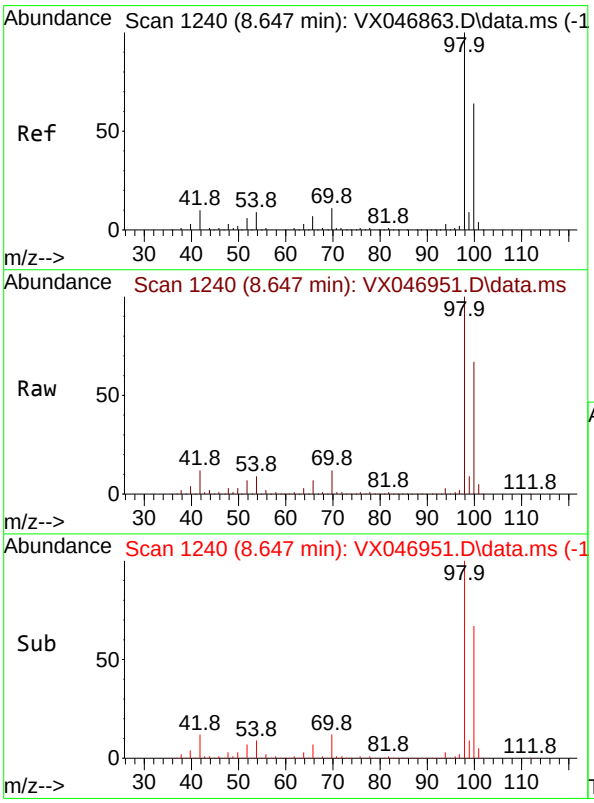
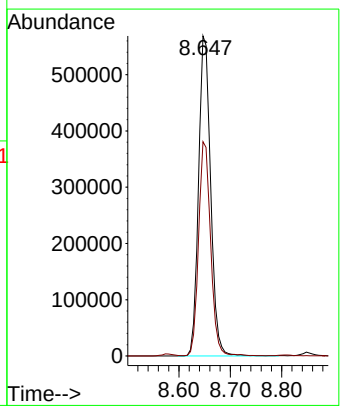


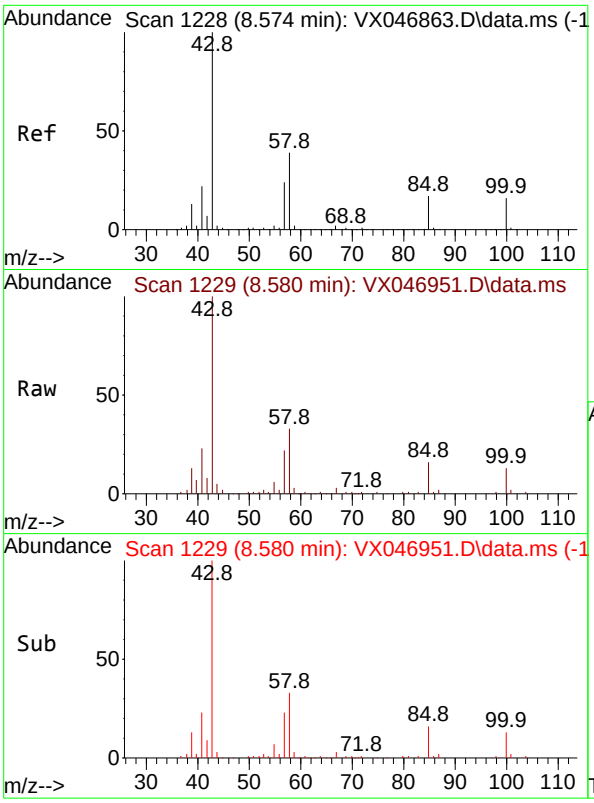


#50
Toluene-d8
Concen: 50.972 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

Tgt Ion: 98 Resp: 929469

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.0	79.6

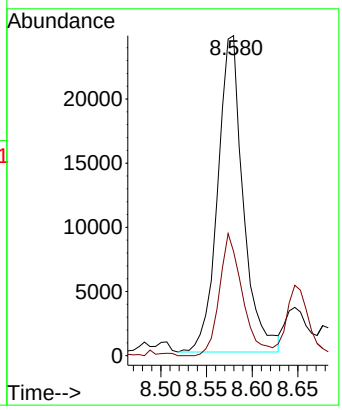




#51
4-Methyl-2-Pentanone
Concen: 8.938 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

Tgt Ion: 43 Resp: 4798

Ion	Ratio	Lower	Upper
43	100		
58	34.9	30.4	45.6



Instrument :
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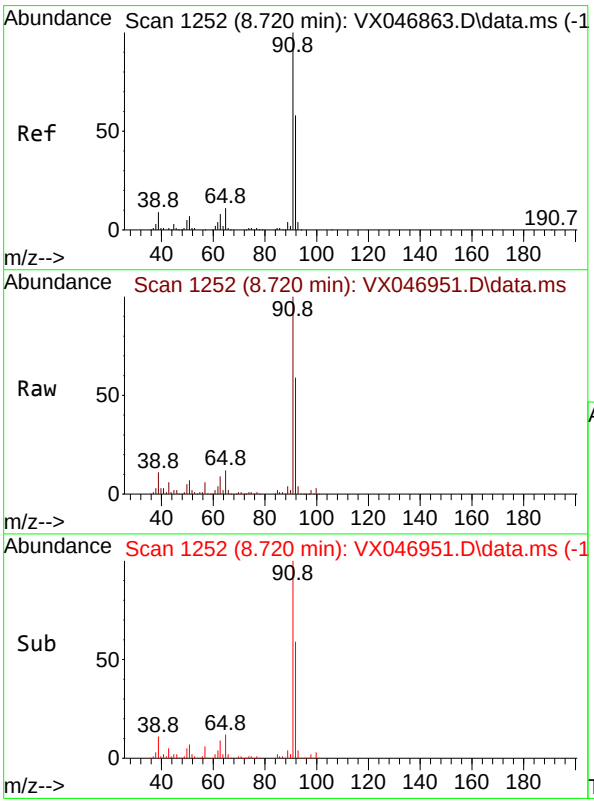
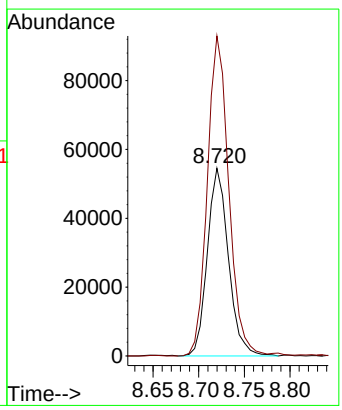
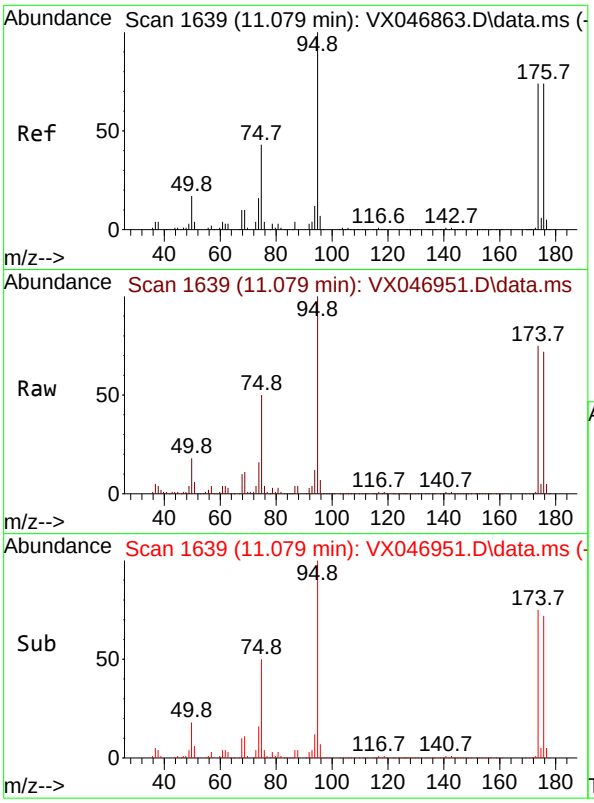


#52
Toluene
Concen: 6.693 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

Tgt Ion: 92 Resp: 87478

Ion	Ratio	Lower	Upper
92	100		
91	174.0	137.9	206.9

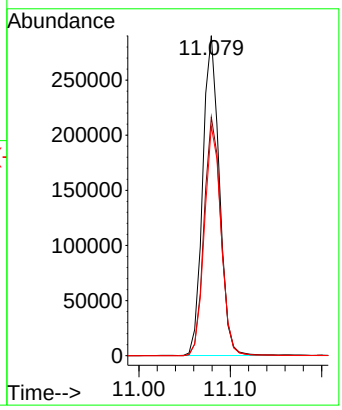




#62
4-Bromofluorobenzene
Concen: 52.955 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

Tgt Ion: 95 Resp: 36699

Ion	Ratio	Lower	Upper
95	100		
174	75.4	0.0	152.0
176	72.3	0.0	145.2



Instrument :
MSVOA_X
ClientSampleId :
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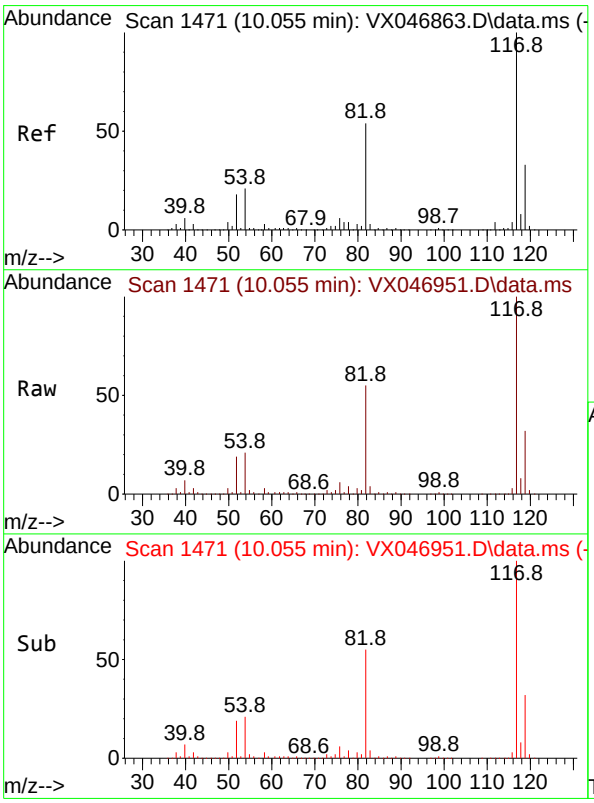
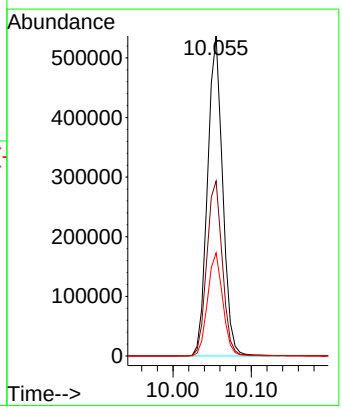
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

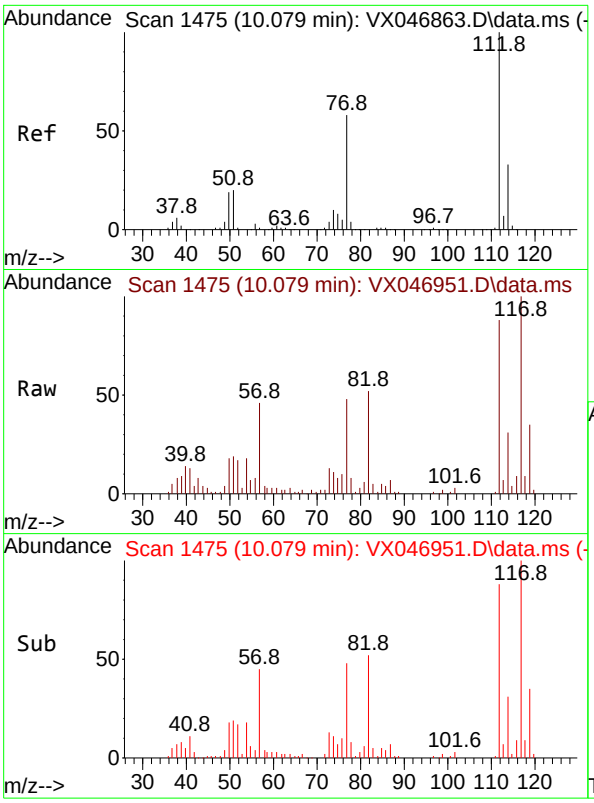


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

Tgt Ion:117 Resp: 719131

Ion	Ratio	Lower	Upper
117	100		
82	54.7	43.3	64.9
119	32.2	26.4	39.6





#65
Chlorobenzene
Concen: 1.340 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

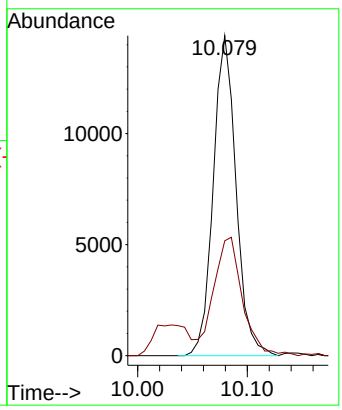
Tgt Ion:112 Resp: 2083

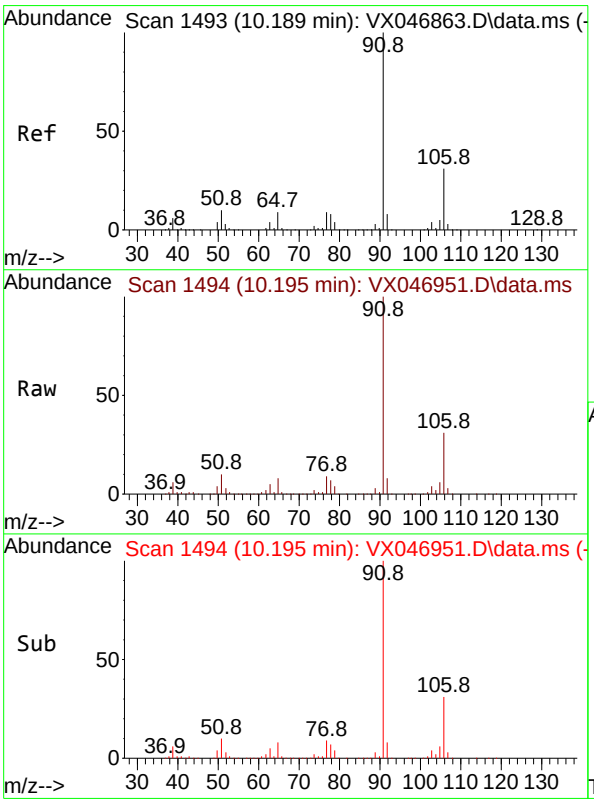
Ion	Ratio	Lower	Upper
112	100		
114	35.1	26.3	39.5

Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

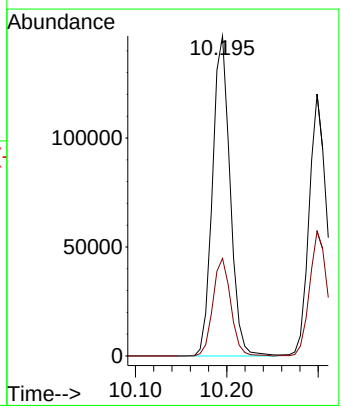


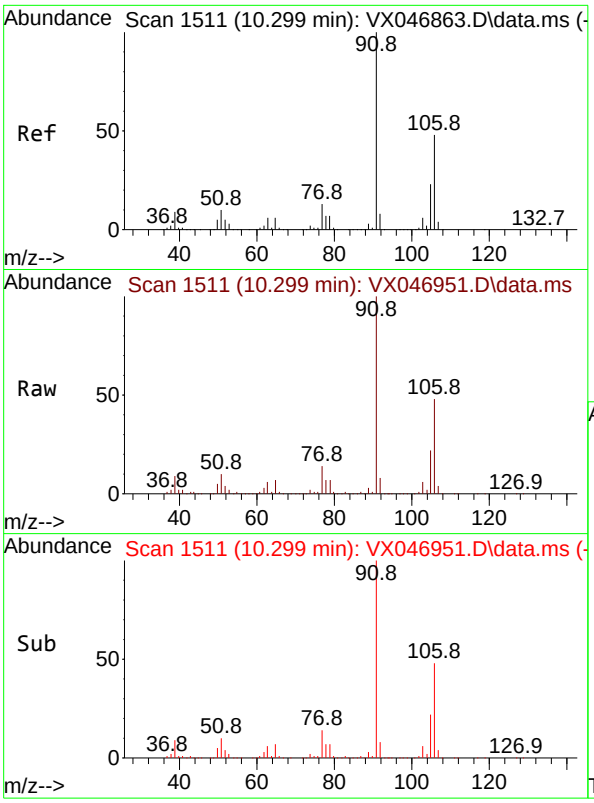


#67
Ethyl Benzene
Concen: 7.375 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

Tgt Ion: 91 Resp: 196380

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.4	36.6





#68
m/p-Xylenes
Concen: 7.826 ug/l
RT: 10.299 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

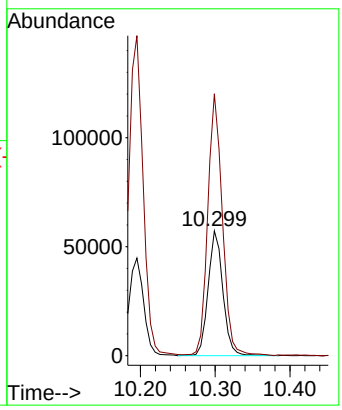
Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA

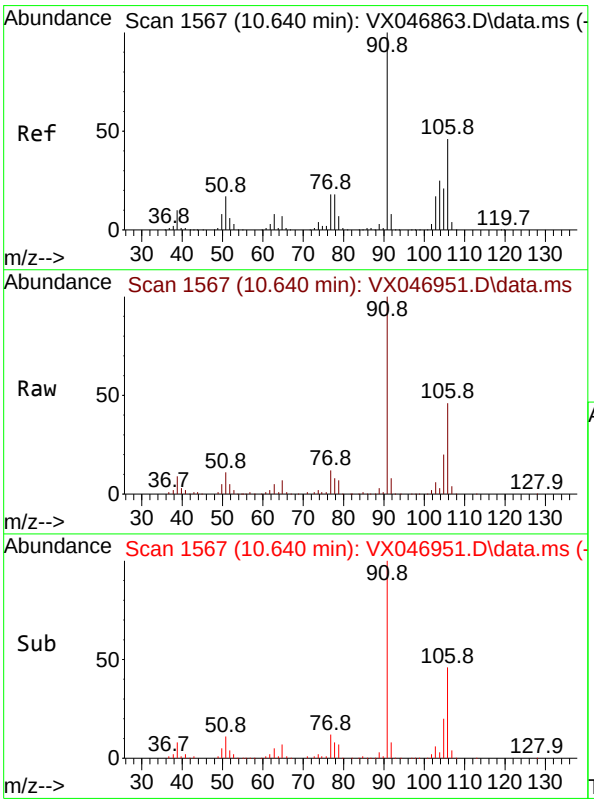
Tgt Ion:106 Resp: 7852

Ion	Ratio	Lower	Upper
106	100		
91	208.3	164.6	246.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

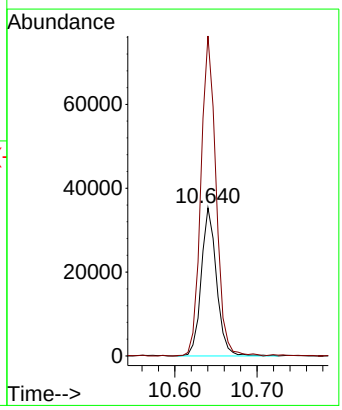


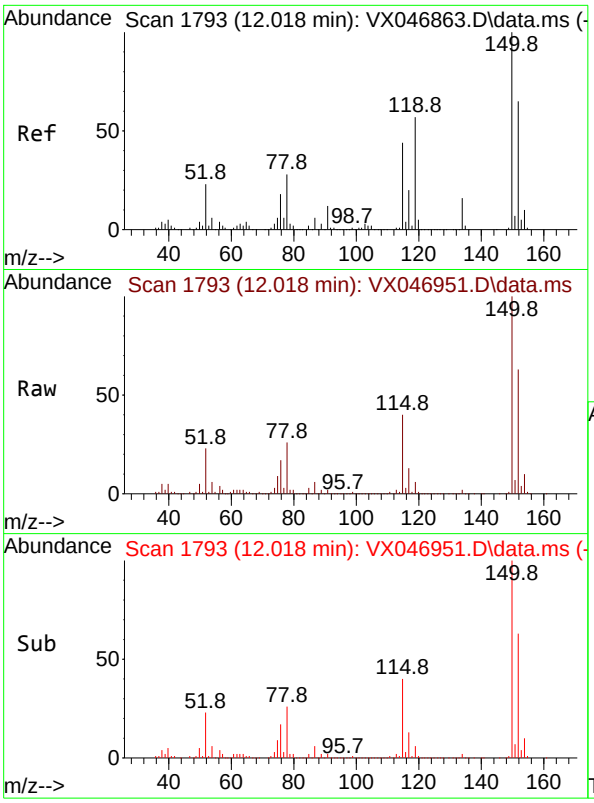


#69
o-Xylene
Concen: 4.702 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

Tgt Ion:106 Resp: 45570

Ion	Ratio	Lower	Upper
106	100		
91	214.1	109.5	328.5

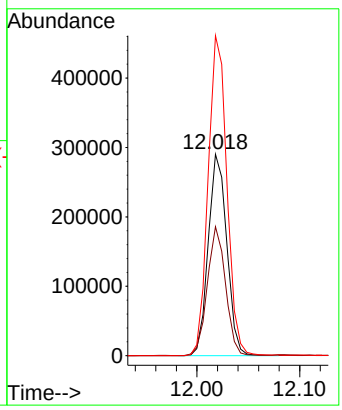




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

Tgt Ion:152 Resp: 36444

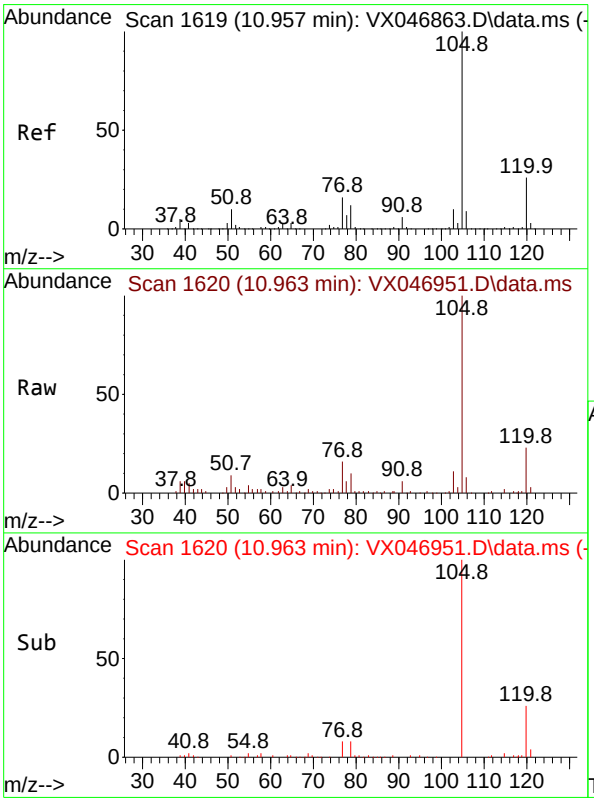
Ion	Ratio	Lower	Upper
152	100		
115	62.4	42.4	127.1
150	160.1	0.0	349.2



Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA

Manual Integrations
APPROVED

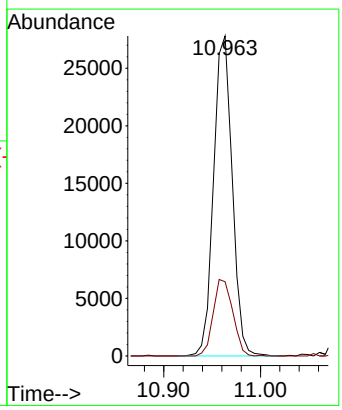
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

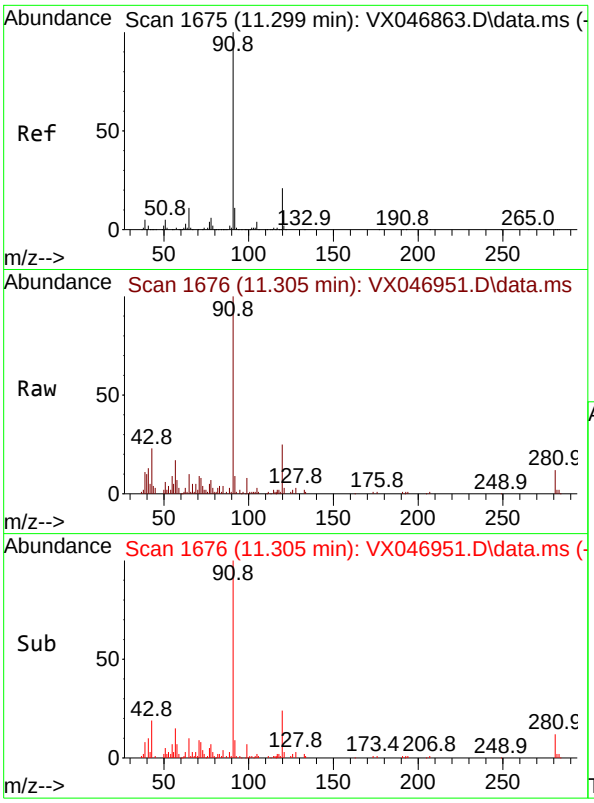


#73
Isopropylbenzene
Concen: 1.452 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

Tgt Ion:105 Resp: 37211

Ion	Ratio	Lower	Upper
105	100		
120	25.1	13.2	39.5





#78
n-propylbenzene
Concen: 0.615 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

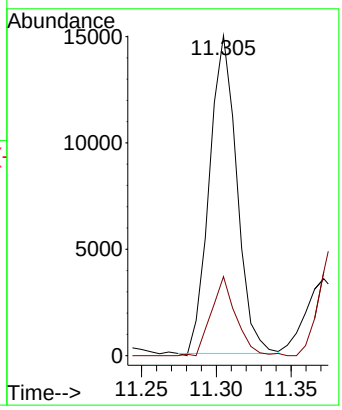
Tgt Ion: 91 Resp: 1899

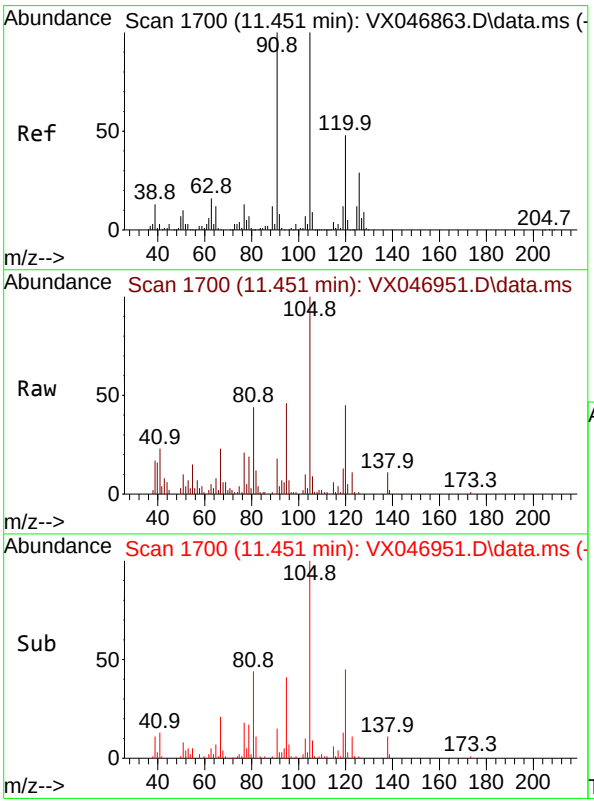
Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.2	33.5

Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

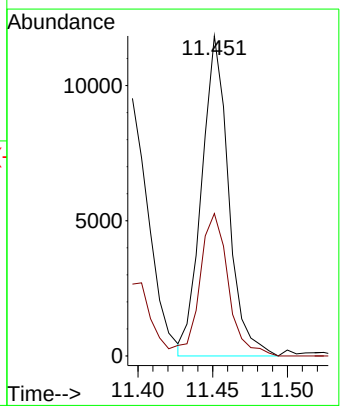


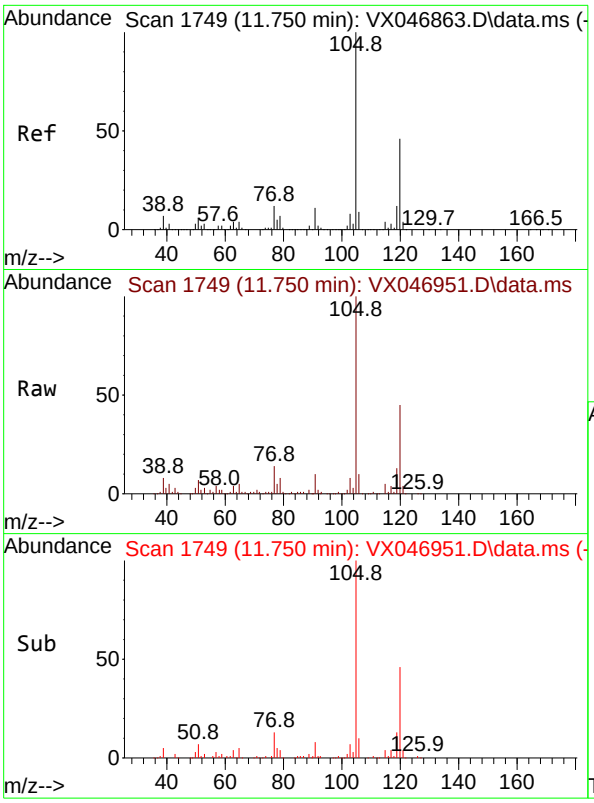


#80
1,3,5-Trimethylbenzene
Concen: 0.713 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

Tgt Ion:105 Resp: 14835

Ion	Ratio	Lower	Upper
105	100		
120	47.2	24.1	72.4





#84
1,2,4-Trimethylbenzene
Concen: 3.099 ug/l
RT: 11.750 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

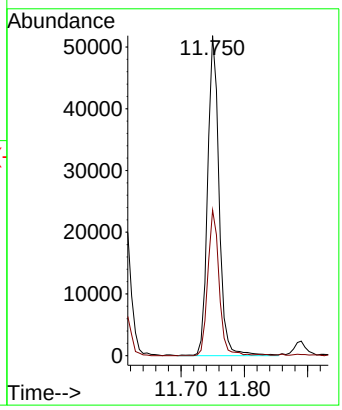
Tgt Ion:105 Resp: 6519

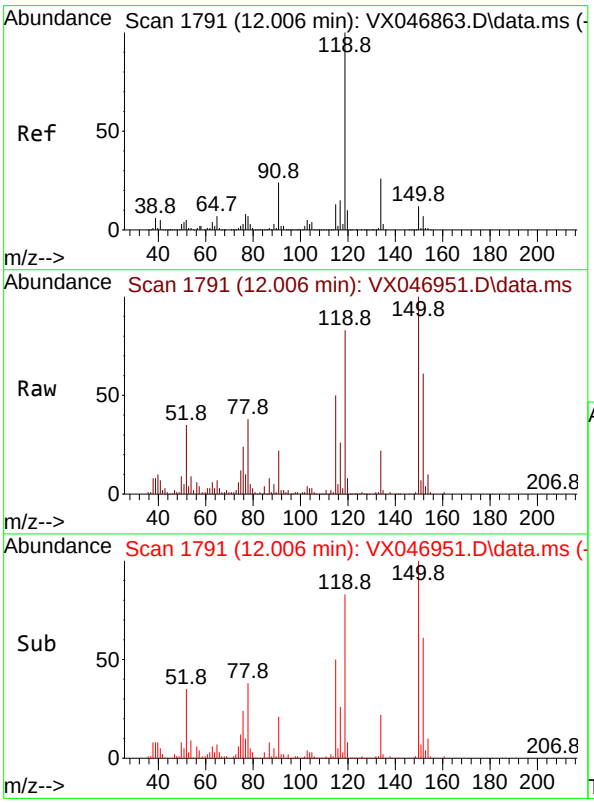
Ion	Ratio	Lower	Upper
105	100		
120	45.0	23.3	69.8

Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

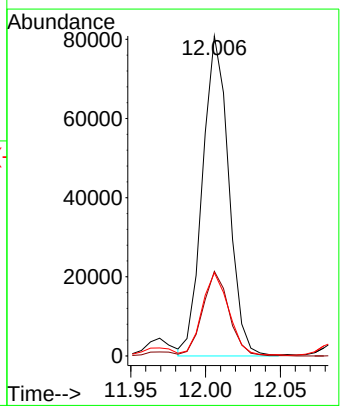


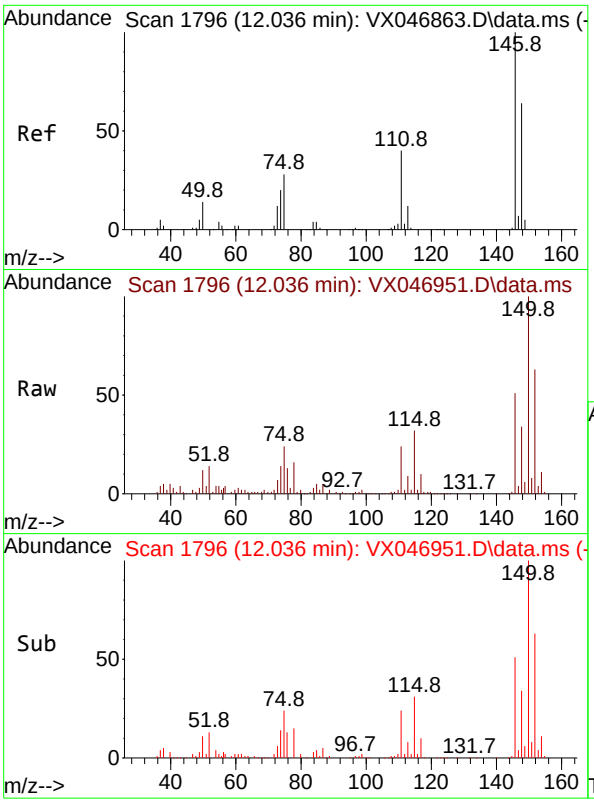


#86
p-Isopropyltoluene
Concen: 4.339 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

Tgt Ion:119 Resp: 98500

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.0	39.0
91	27.1	12.0	36.1

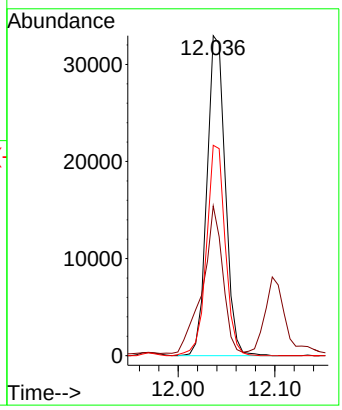




#88
1,4-Dichlorobenzene
Concen: 3.492 ug/l
RT: 12.036 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

Tgt Ion:146 Resp: 4337

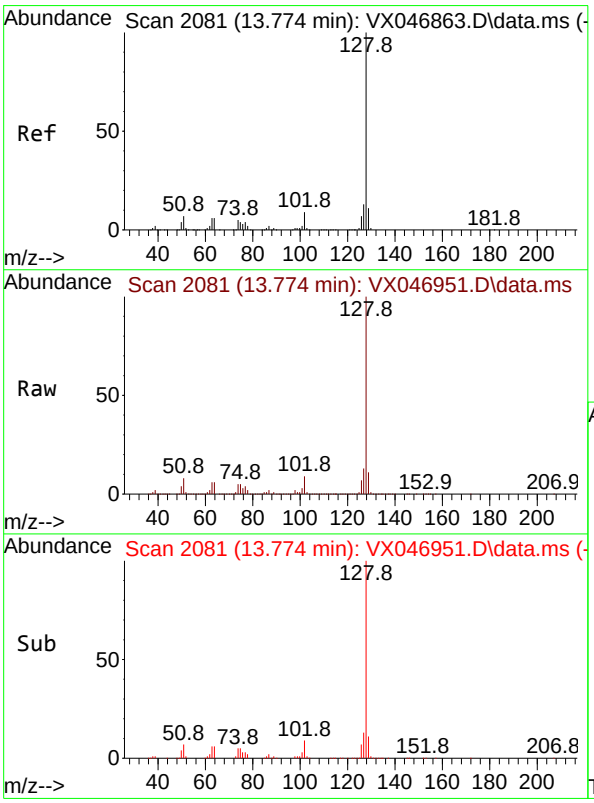
Ion	Ratio	Lower	Upper
146	100		
111	50.7	20.2	60.5
148	67.3	32.4	97.0



Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA

Manual Integrations
APPROVED

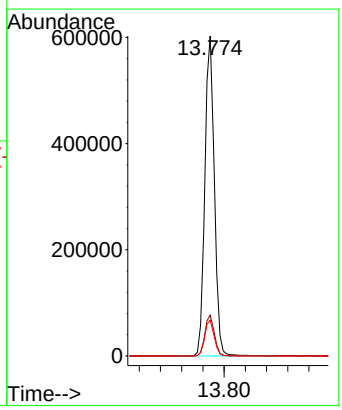
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#95
Naphthalene
Concen: 36.112 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046951.D
Acq: 10 Jul 2025 17:34

Tgt Ion:128 Resp: 747664

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	11.1	8.6	13.0



Sample Results: **VX046951.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046951.D
Acq On : 10 Jul 2025 17:34
Operator : JC/MD
Sample : Q2554-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA

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\82X070225W.M
Title : SW846 8260

Signal : TIC: VX046951.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.136	5	8	26	rVB	565304	1053689	12.22%	2.158%
2	1.270	27	30	42	rVB	533071	639129	7.41%	1.309%
3	1.374	42	47	52	rBV3	41805	109811	1.27%	0.225%
4	1.569	74	79	87	rBV	224303	365686	4.24%	0.749%
5	2.148	170	174	184	rVB2	48806	125956	1.46%	0.258%
6	2.386	206	213	220	rBV	1521858	2861222	33.17%	5.859%
7	2.532	231	237	252	rBV	329692	674737	7.82%	1.382%
8	2.953	297	306	328	rBV	1182578	3452377	40.03%	7.069%
9	4.562	553	570	612	rBV2	2578747	8625375	100.00%	17.662%
10	5.001	630	642	682	rBV3	862960	3239610	37.56%	6.634%
11	5.397	696	707	722	rBV2	250536	779991	9.04%	1.597%
12	5.562	724	734	755	rVB2	403968	1253084	14.53%	2.566%
13	5.964	790	800	808	rBV2	282562	793489	9.20%	1.625%
14	6.080	808	819	837	rVV3	392644	1424613	16.52%	2.917%
15	6.769	923	932	952	rVV	686410	1765719	20.47%	3.616%
16	8.574	1221	1228	1234	rBV	69329	135661	1.57%	0.278%
17	8.647	1234	1240	1247	rVV	1521191	2480604	28.76%	5.079%
18	8.720	1247	1252	1261	rVV	247133	425023	4.93%	0.870%
19	8.805	1261	1266	1270	rVV2	50543	88974	1.03%	0.182%
20	9.378	1353	1360	1368	rBV	236584	381393	4.42%	0.781%
21	10.055	1461	1471	1483	rBV	1633783	2426574	28.13%	4.969%
22	10.195	1490	1494	1504	rVV	337466	514874	5.97%	1.054%
23	10.299	1504	1511	1518	rVV	348195	498918	5.78%	1.022%
24	10.640	1563	1567	1573	rBV	210680	281201	3.26%	0.576%
25	10.768	1580	1588	1596	rBV	60488	117833	1.37%	0.241%
26	10.957	1613	1619	1625	rVB	75958	125441	1.45%	0.257%
27	11.079	1633	1639	1645	rBV	1370972	1784416	20.69%	3.654%
28	11.378	1682	1688	1694	rBV3	51866	100729	1.17%	0.206%
29	11.457	1694	1701	1703	rBV2	60493	92891	1.08%	0.190%
30	11.610	1722	1726	1735	rVB	59403	94665	1.10%	0.194%
31	11.750	1745	1749	1753	rVB	139947	162871	1.89%	0.334%
32	11.884	1767	1771	1779	rVB2	123833	163252	1.89%	0.334%
33	12.018	1787	1793	1800	rBV2	1880462	2638492	30.59%	5.403%
34	12.097	1800	1806	1811	rBV2	212633	336114	3.90%	0.688%
35	12.213	1821	1825	1828	rBV	311163	426424	4.94%	0.873%
36	12.420	1853	1859	1863	rBV3	73590	111057	1.29%	0.227%

Sample Results: **VX046951.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046951.D
Acq On : 10 Jul 2025 17:34
Operator : JC/MD
Sample : Q2554-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA

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\82X070225W.M
Title : SW846 8260

37	12.542	1872	1879	1881	rBV5	40658	93174	1.08%	0.191%
38	12.573	1881	1884	1889	rVB	197413	252493	2.93%	0.517%
39	12.762	1910	1915	1920	rVB2	145938	209004	2.42%	0.428%
40	12.902	1931	1938	1944	rBV	873309	1156720	13.41%	2.369%
41	12.963	1944	1948	1958	rVB3	103901	180037	2.09%	0.369%
42	13.286	1995	2001	2005	rVV4	89248	139075	1.61%	0.285%
43	13.335	2005	2009	2014	rVV	222863	309403	3.59%	0.634%
44	13.420	2019	2023	2027	rVB2	81114	109927	1.27%	0.225%
45	13.475	2027	2032	2033	rBV2	171246	236884	2.75%	0.485%
46	13.506	2033	2037	2045	rVV	1310504	1842654	21.36%	3.773%
47	13.585	2045	2050	2059	rVV3	677182	1060017	12.29%	2.171%
48	13.658	2059	2062	2069	rVV3	54529	105505	1.22%	0.216%
49	13.725	2069	2073	2077	rVV2	262111	349919	4.06%	0.717%
50	13.774	2077	2081	2089	rVB	1248162	1559506	18.08%	3.193%
51	13.920	2100	2105	2112	rBV5	51835	105630	1.22%	0.216%
52	14.097	2128	2134	2145	rBV2	137560	248579	2.88%	0.509%
53	14.633	2219	2222	2231	rVB	138826	195609	2.27%	0.401%
54	14.780	2239	2246	2252	rVB2	92141	130670	1.51%	0.268%

Sum of corrected areas: 48836701

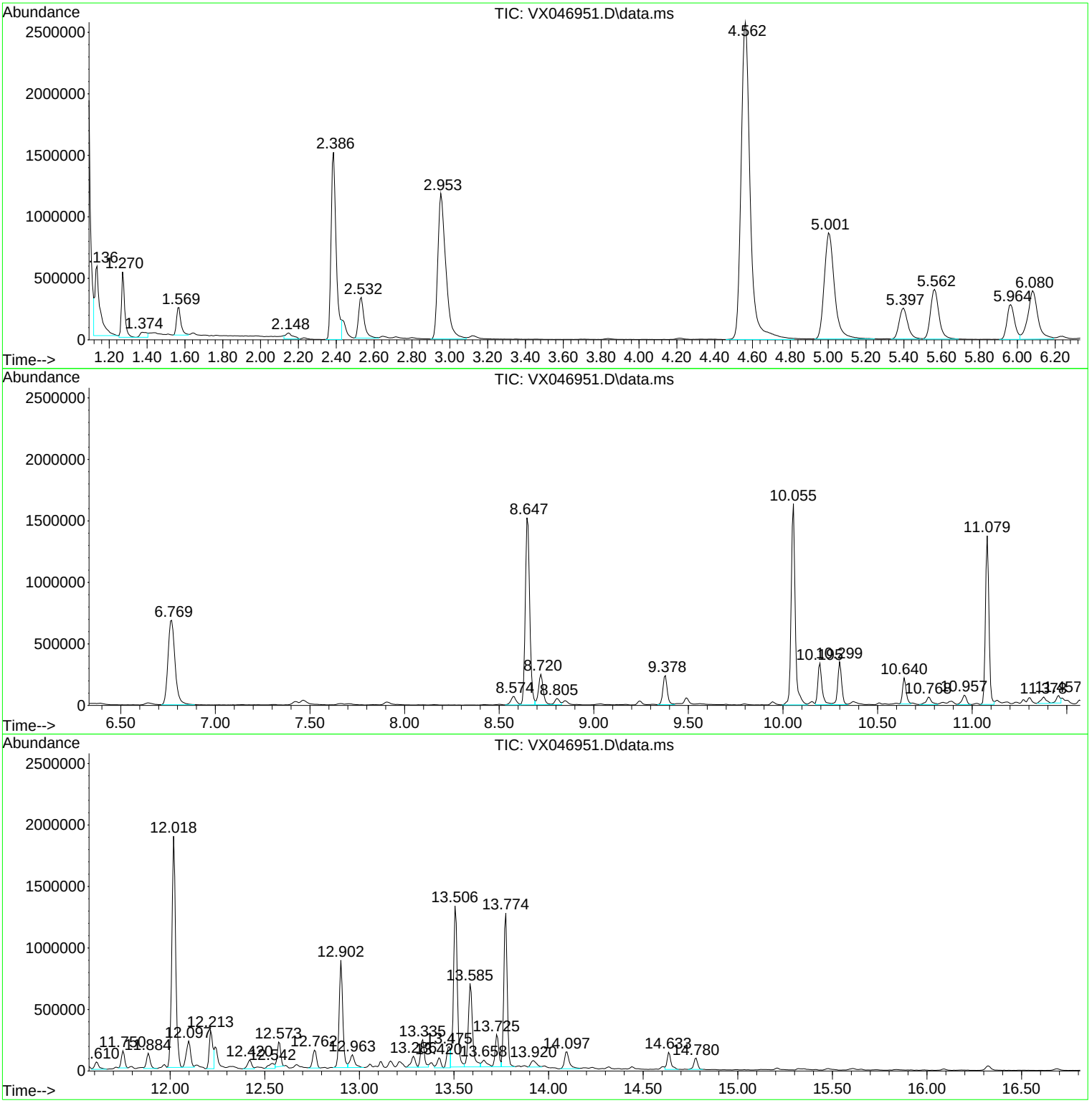
Sample Results: **VX046951.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046951.D
Acq On : 10 Jul 2025 17:34
Operator : JC/MD
Sample : Q2554-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046951.D
Acq On : 10 Jul 2025 17:34
Operator : JC/MD
Sample : Q2554-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

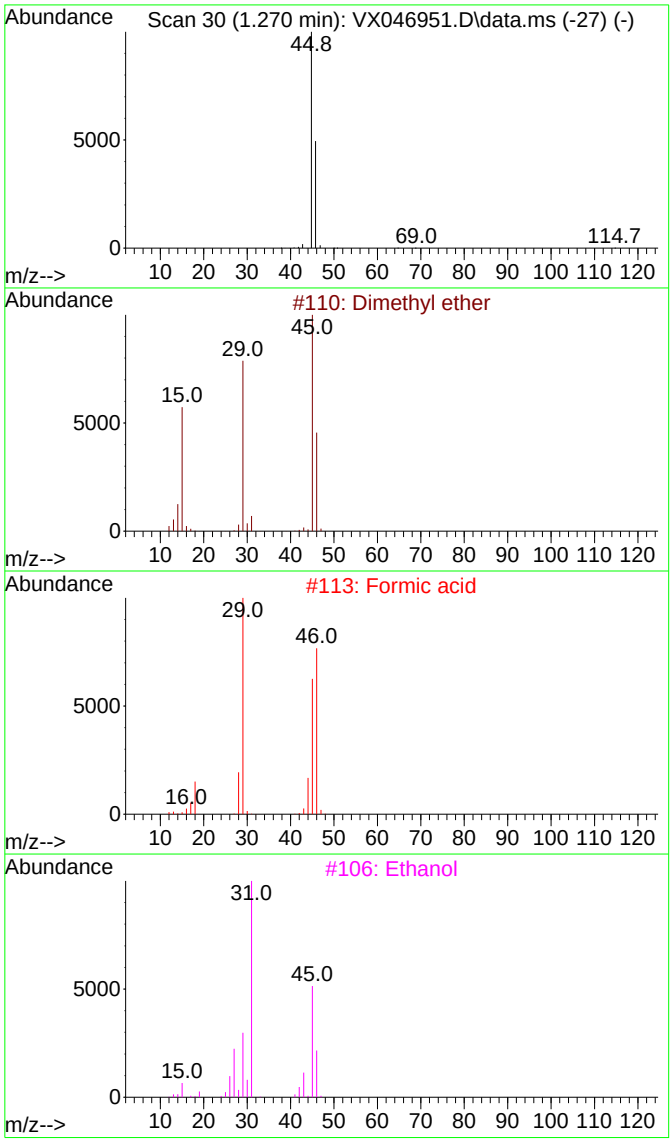
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

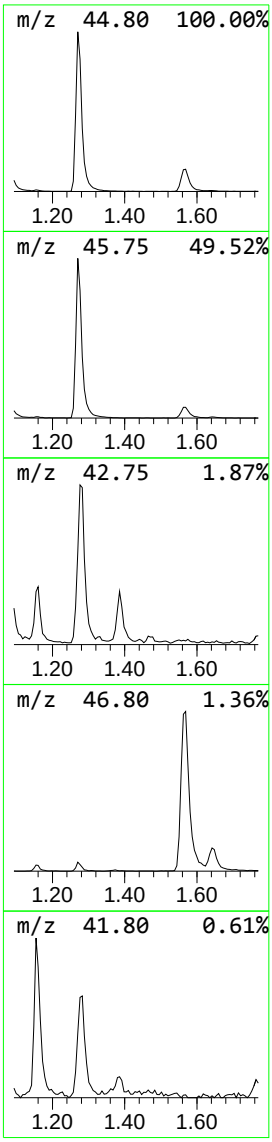
****

Peak Number 2 Dimethyl ether Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.270	25.50 ug/l	639129	Pentafluorobenzene	5.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl ether	46	C2H6O	000115-10-6	64
2	Formic acid	46	CH2O2	000064-18-6	7
3	Ethanol	46	C2H6O	000064-17-5	7
4	Oxalic acid	90	C2H2O4	000144-62-7	4
5	Methane, nitroso-	45	CH3NO	000865-40-7	3





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046951.D
Acq On : 10 Jul 2025 17:34
Operator : JC/MD
Sample : Q2554-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

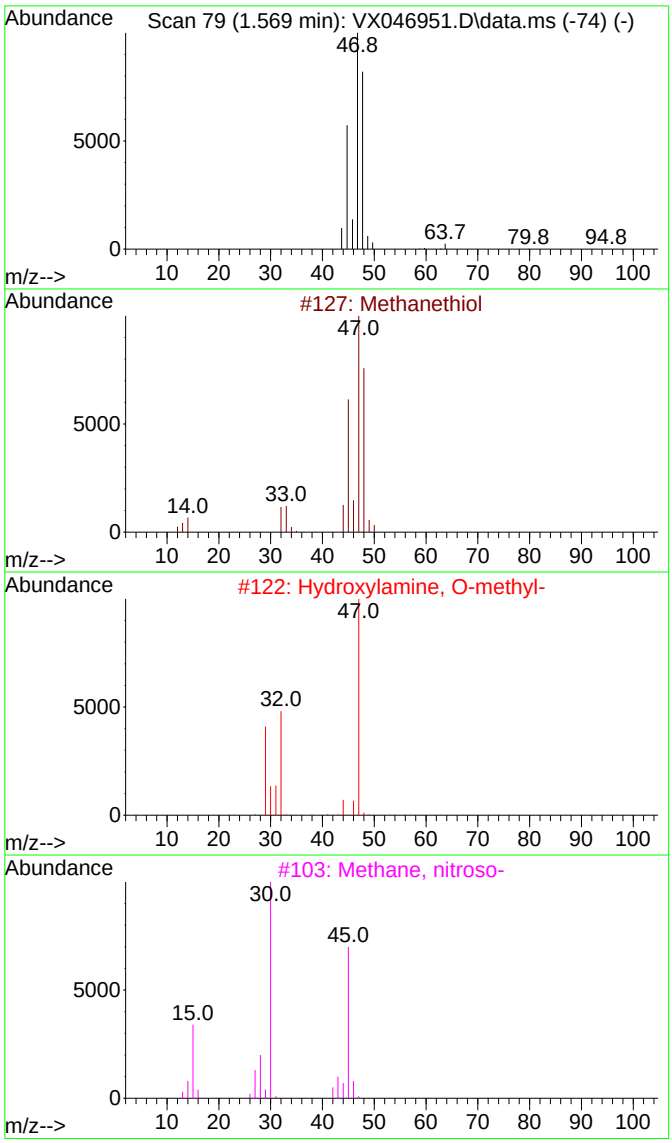
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

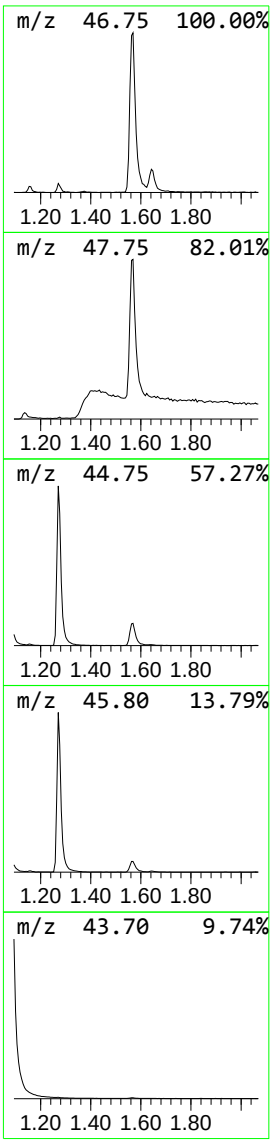
****

Peak Number 3 Methanethiol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.569	14.59 ug/l	365686	Pentafluorobenzene	5.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methanethiol	48	CH4S	000074-93-1	91
2	Hydroxylamine, O-methyl-	47	CH5NO	000067-62-9	7
3	Methane, nitroso-	45	CH3NO	000865-40-7	5
4	Formamide	45	CH3NO	000075-12-7	4
5	Nitrous acid	47	HNO2	007782-77-6	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046951.D
Acq On : 10 Jul 2025 17:34
Operator : JC/MD
Sample : Q2554-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

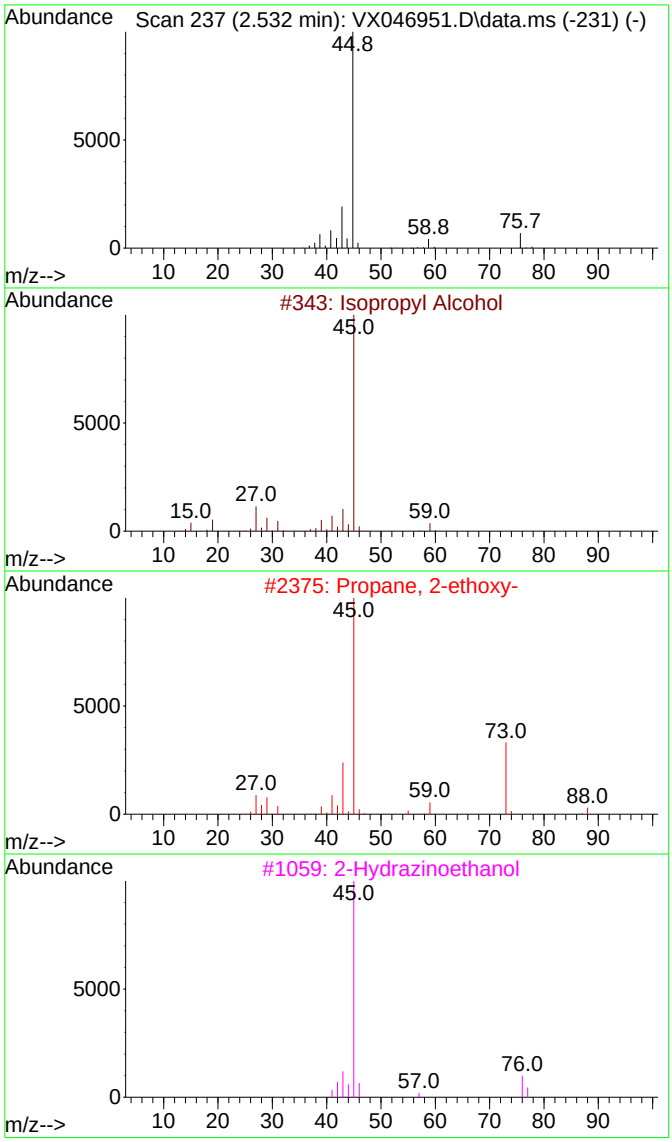
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

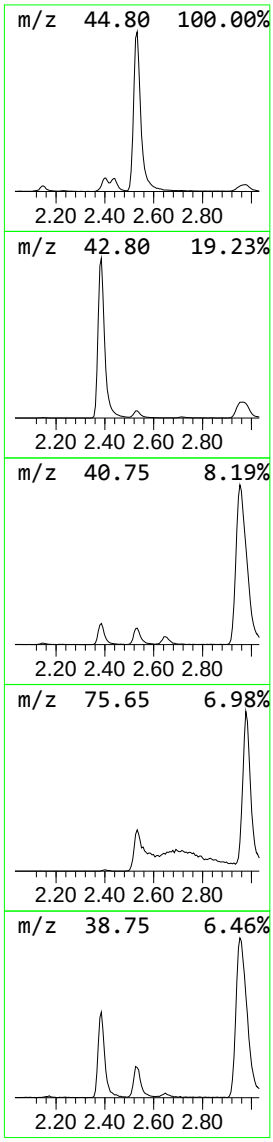
****

Peak Number 4 Isopropyl Alcohol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.532	26.92 ug/l	674737	Pentafluorobenzene	5.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	78
2	Propane, 2-ethoxy-	88	C5H12O	000625-54-7	40
3	2-Hydrazinoethanol	76	C2H8N2O	000109-84-2	9
4	Hydrazine, ethyl-	60	C2H8N2	000624-80-6	9
5	(R)-(-)-2-Pentanol	88	C5H12O	031087-44-2	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046951.D
Acq On : 10 Jul 2025 17:34
Operator : JC/MD
Sample : Q2554-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA

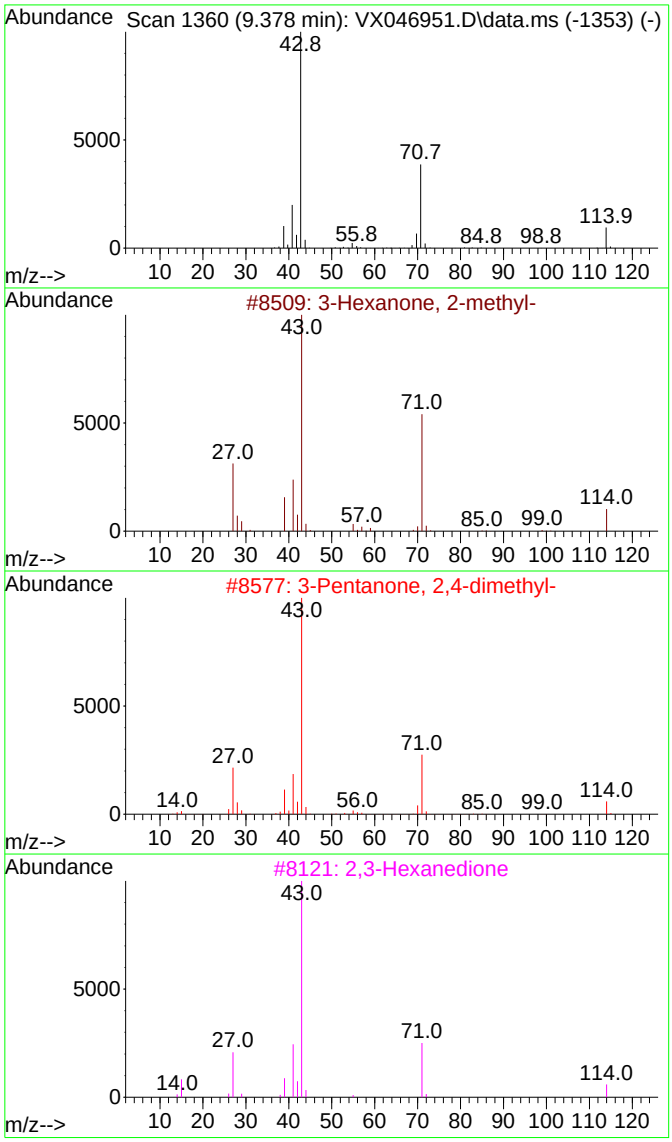
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

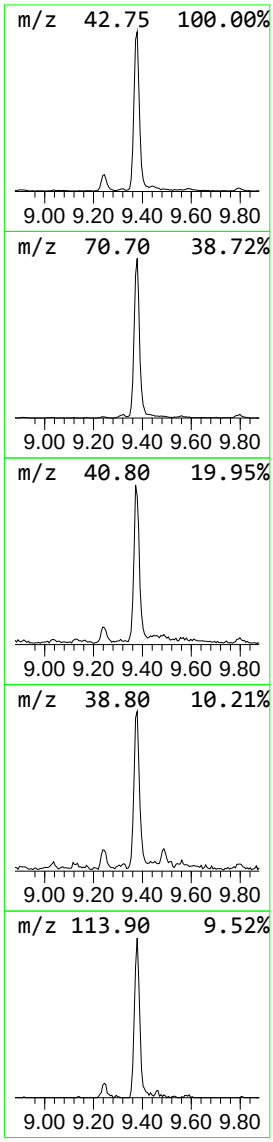
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 3-Hexanone, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.378	7.86 ug/l	381393	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	90
2	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	90
3	2,3-Hexanedione	114	C6H10O2	003848-24-6	86
4	4-Heptanone	114	C7H14O	000123-19-3	59
5	Pyrrolidine	71	C4H9N	000123-75-1	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046951.D
Acq On : 10 Jul 2025 17:34
Operator : JC/MD
Sample : Q2554-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

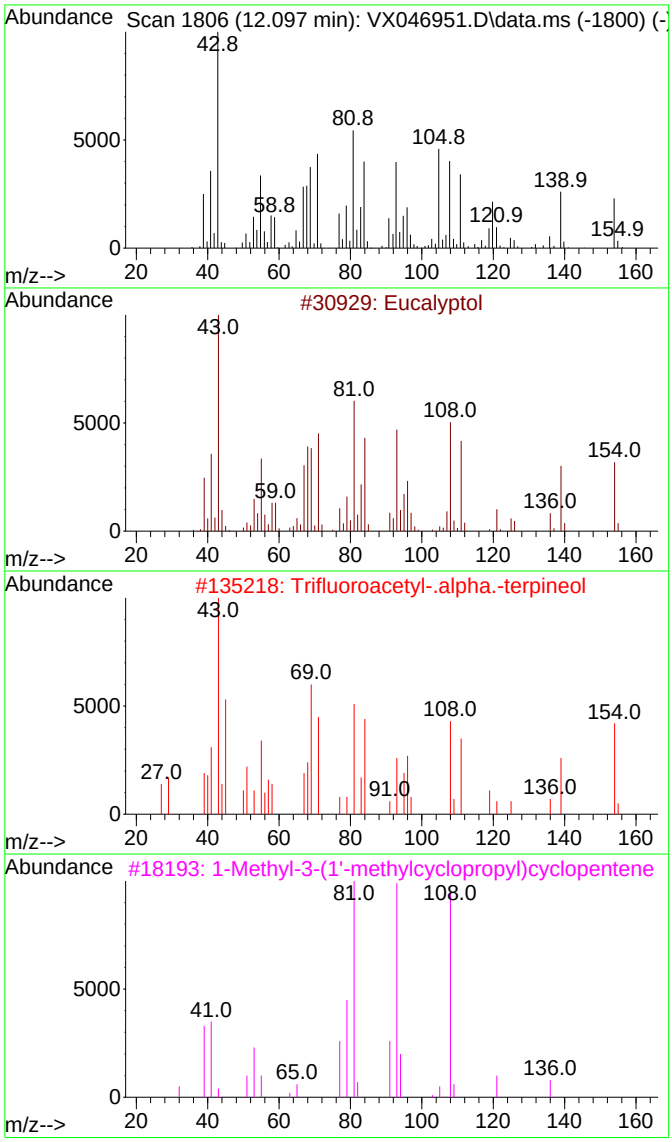
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

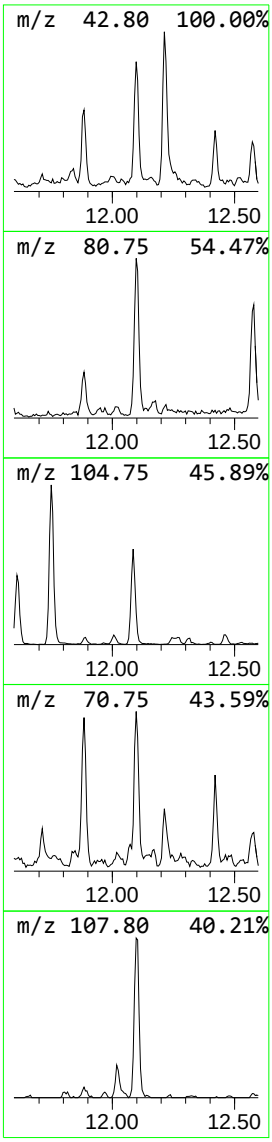
****

Peak Number 6 Eucalyptol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.097	6.37 ug/l	336114	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eucalyptol	154	C10H18O	000470-82-6	98
2	Trifluoroacetyl-.alpha.-terpineol	250	C12H17F3O2	1000058-17-6	38
3	1-Methyl-3-(1'-methylcyclopropyl...	136	C10H16	103240-53-5	35
4	Cyclohexanol, 1-methyl-4-(1-meth...	154	C10H18O	007299-41-4	22
5	5-Hepten-2-one, 6-methyl-	126	C8H14O	000110-93-0	20





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046951.D
Acq On : 10 Jul 2025 17:34
Operator : JC/MD
Sample : Q2554-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

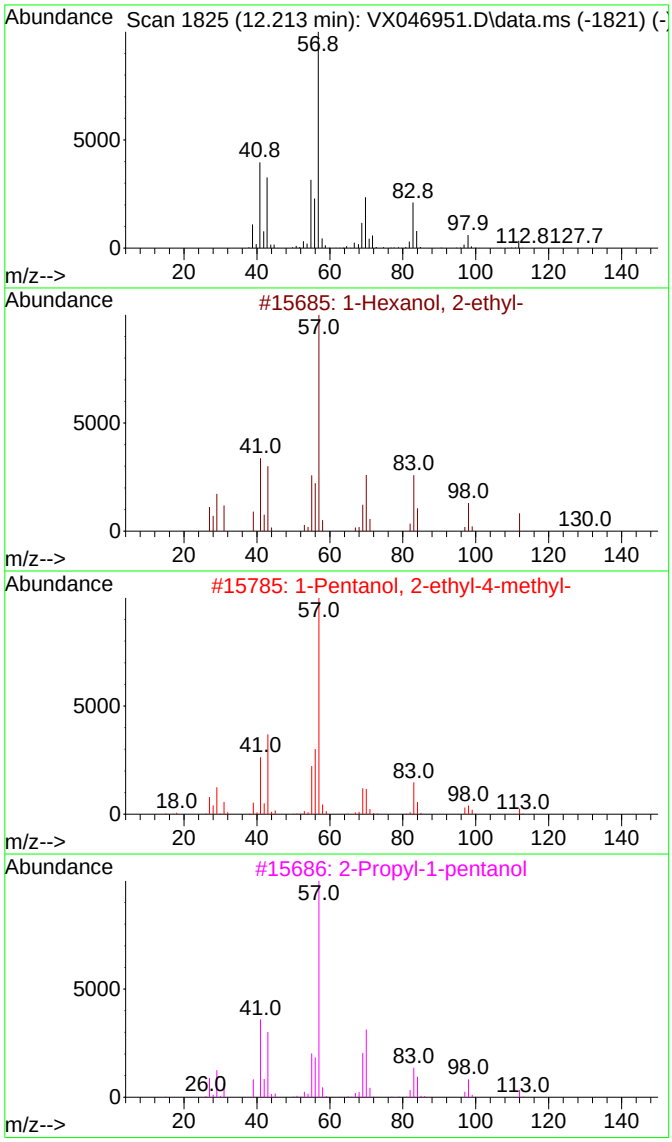
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

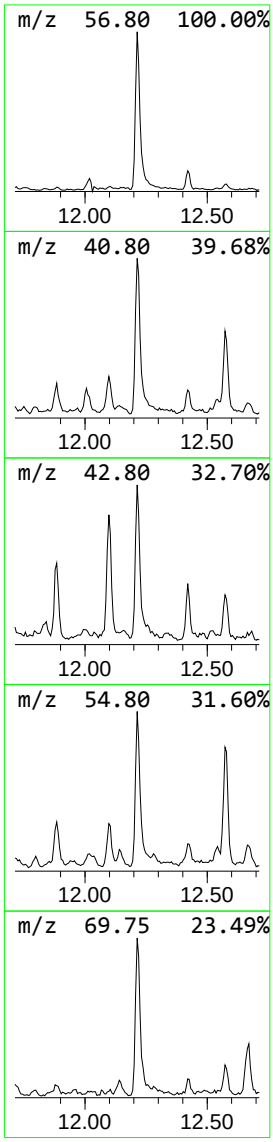
****

Peak Number 7 1-Hexanol, 2-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.213	8.08 ug/l	426424	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	78
2	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	56
3	2-Propyl-1-pentanol	130	C8H18O	058175-57-8	47
4	Carbonic acid, heptyl prop-1-en-...	200	C11H20O3	1000382-54-1	47
5	Pentadecafluorooctanoic acid, 2-...	526	C16H17F15O2	1000406-80-9	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046951.D
Acq On : 10 Jul 2025 17:34
Operator : JC/MD
Sample : Q2554-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

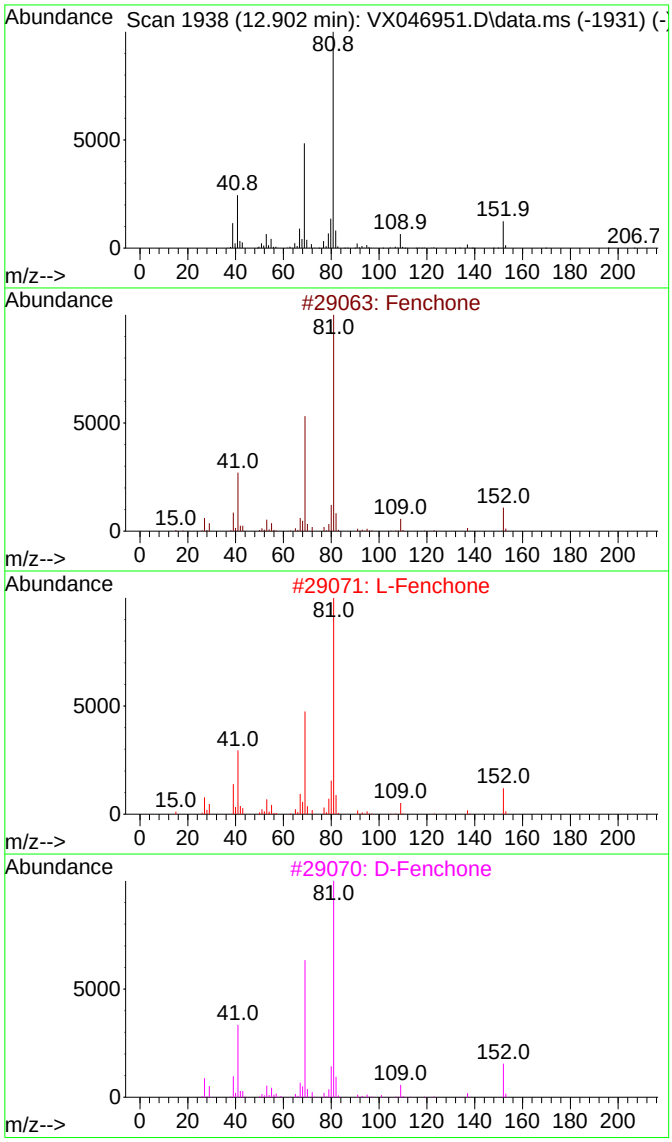
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

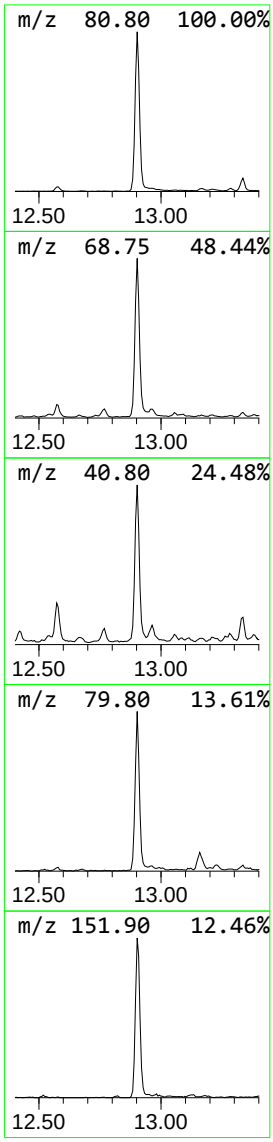
****

Peak Number 8 Fenchone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.902	21.92 ug/l	1156720	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fenchone	152	C10H16O	001195-79-5	95
2	L-Fenchone	152	C10H16O	007787-20-4	95
3	D-Fenchone	152	C10H16O	004695-62-9	94
4	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	45
5	Ethanone, 1-(2-methyl-2-cyclopen...	124	C8H12O	001767-84-6	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046951.D
Acq On : 10 Jul 2025 17:34
Operator : JC/MD
Sample : Q2554-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

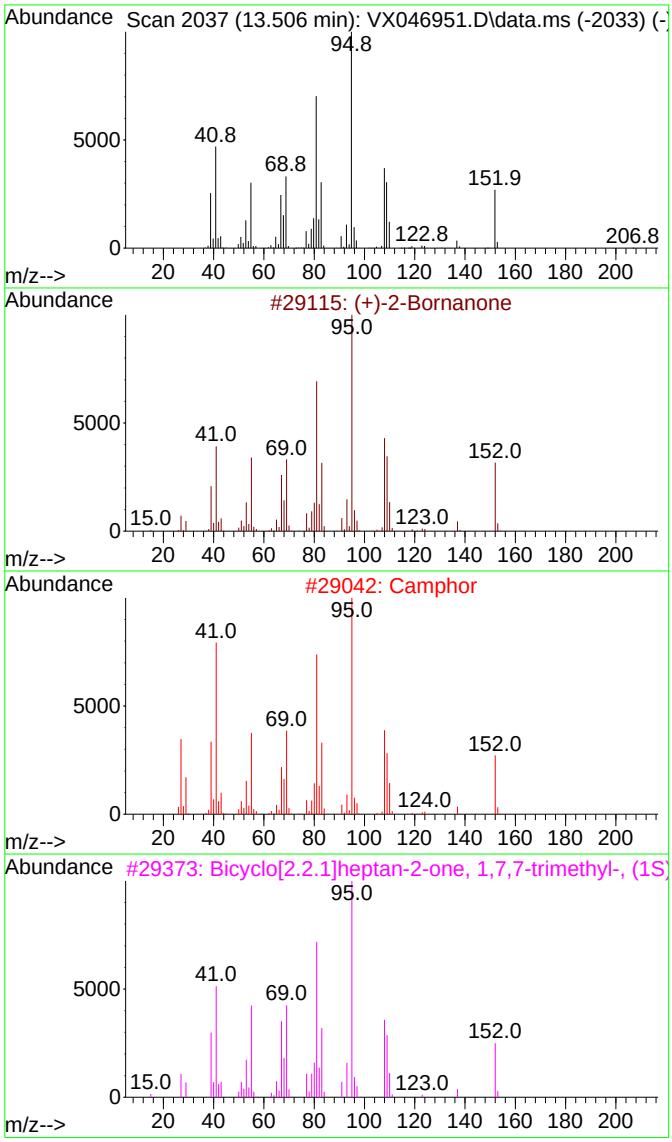
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

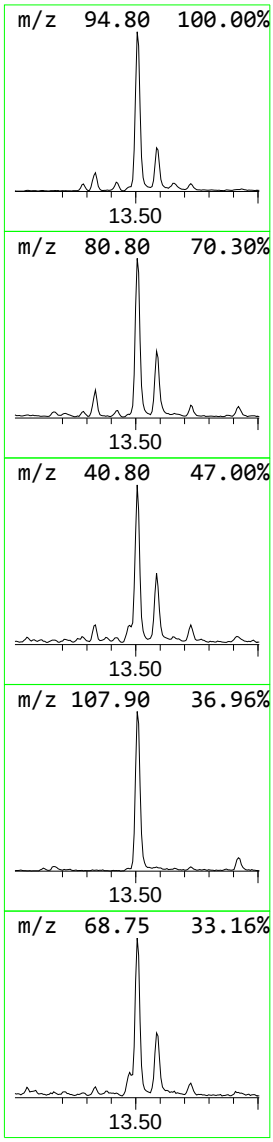
****

Peak Number 9 (+)-2-Bornanone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.506	34.92 ug/l	1842650	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(+)-2-Bornanone	152	C10H16O	000464-49-3	98
2	Camphor	152	C10H16O	000076-22-2	97
3	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	96
4	2-Butanone, 4-(5-methyl-2-furanyl)-	152	C9H12O2	013679-56-6	49
5	1-Adamantanol	152	C10H16O	000768-95-6	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046951.D
Acq On : 10 Jul 2025 17:34
Operator : JC/MD
Sample : Q2554-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA

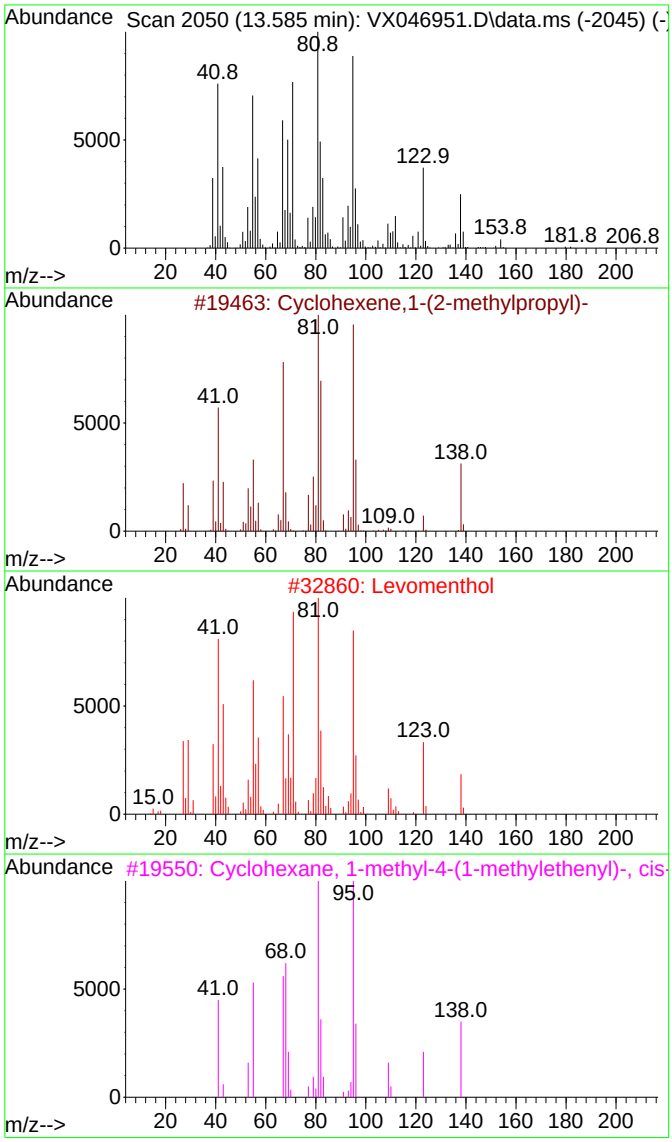
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

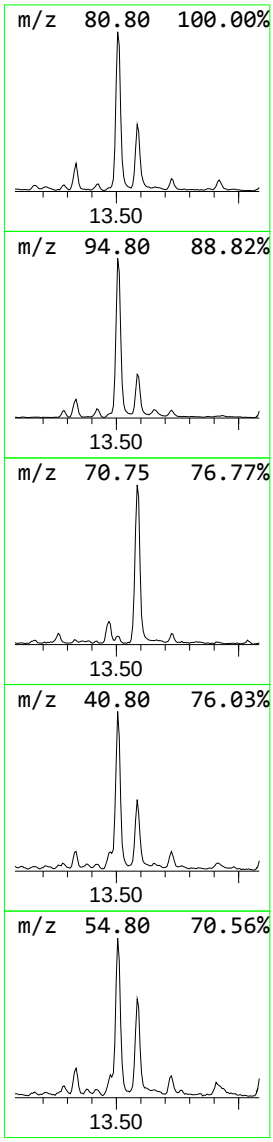
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Cyclohexene,1-(2-methylprop... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.585	20.09 ug/l	1060020	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene,1-(2-methylpropyl)-	138	C10H18	003983-03-7	96
2	Levomenthol	156	C10H20O	002216-51-5	86
3	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001879-07-8	70
4	dl-Menthol	156	C10H20O	000089-78-1	64
5	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	62





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046951.D
Acq On : 10 Jul 2025 17:34
Operator : JC/MD
Sample : Q2554-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250709071-01 VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.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
Dimethyl ether	1.270	25.5	ug/l	639129	1	5.562	1253080	50.0
Methanethiol	1.569	14.6	ug/l	365686	1	5.562	1253080	50.0
Isopropyl Alcohol	2.532	26.9	ug/l	674737	1	5.562	1253080	50.0
3-Hexanone, 2-m...	9.378	7.9	ug/l	381393	3	10.055	2426570	50.0
Eucalyptol	12.097	6.4	ug/l	336114	4	12.018	2638490	50.0
1-Hexanol, 2-et...	12.213	8.1	ug/l	426424	4	12.018	2638490	50.0
Fenchone	12.902	21.9	ug/l	1156720	4	12.018	2638490	50.0
(+)-2-Bornanone	13.506	34.9	ug/l	1842650	4	12.018	2638490	50.0
Cyclohexene,1-(...	13.585	20.1	ug/l	1060020	4	12.018	2638490	50.0

Raw Data: **VX046941.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	07/09/25
Project:	Waste Water 2025	Date Received:	07/10/25
Client Sample ID:	250709059-10 Trip blank	SDG No.:	Q2554
Lab Sample ID:	Q2554-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046941.D	1	07/10/25 14:00	VX071025

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

Raw Data: **VX046941.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	07/09/25
Project:	Waste Water 2025	Date Received:	07/10/25
Client Sample ID:	250709059-10 Trip blank	SDG No.:	Q2554
Lab Sample ID:	Q2554-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046941.D	1	07/10/25 14:00	VX071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	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	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.8		74 - 125	108%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		75 - 124	99%	SPK: 50
2037-26-5	Toluene-d8	50.6		86 - 113	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		77 - 121	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	337000	5.568			
540-36-3	1,4-Difluorobenzene	597000	6.769			
3114-55-4	Chlorobenzene-d5	560000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	279000	12.018			

Raw Data: **VX046941.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	07/09/25
Project:	Waste Water 2025	Date Received:	07/10/25
Client Sample ID:	250709059-10 Trip blank	SDG No.:	Q2554
Lab Sample ID:	Q2554-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046941.D	1	07/10/25 14:00	VX071025

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\VX071025\
Data File : VX046941.D
Acq On : 10 Jul 2025 14:00
Operator : JC/MD
Sample : Q2554-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250709059-10 Trip blank

Quant Time: Jul 11 01:29:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

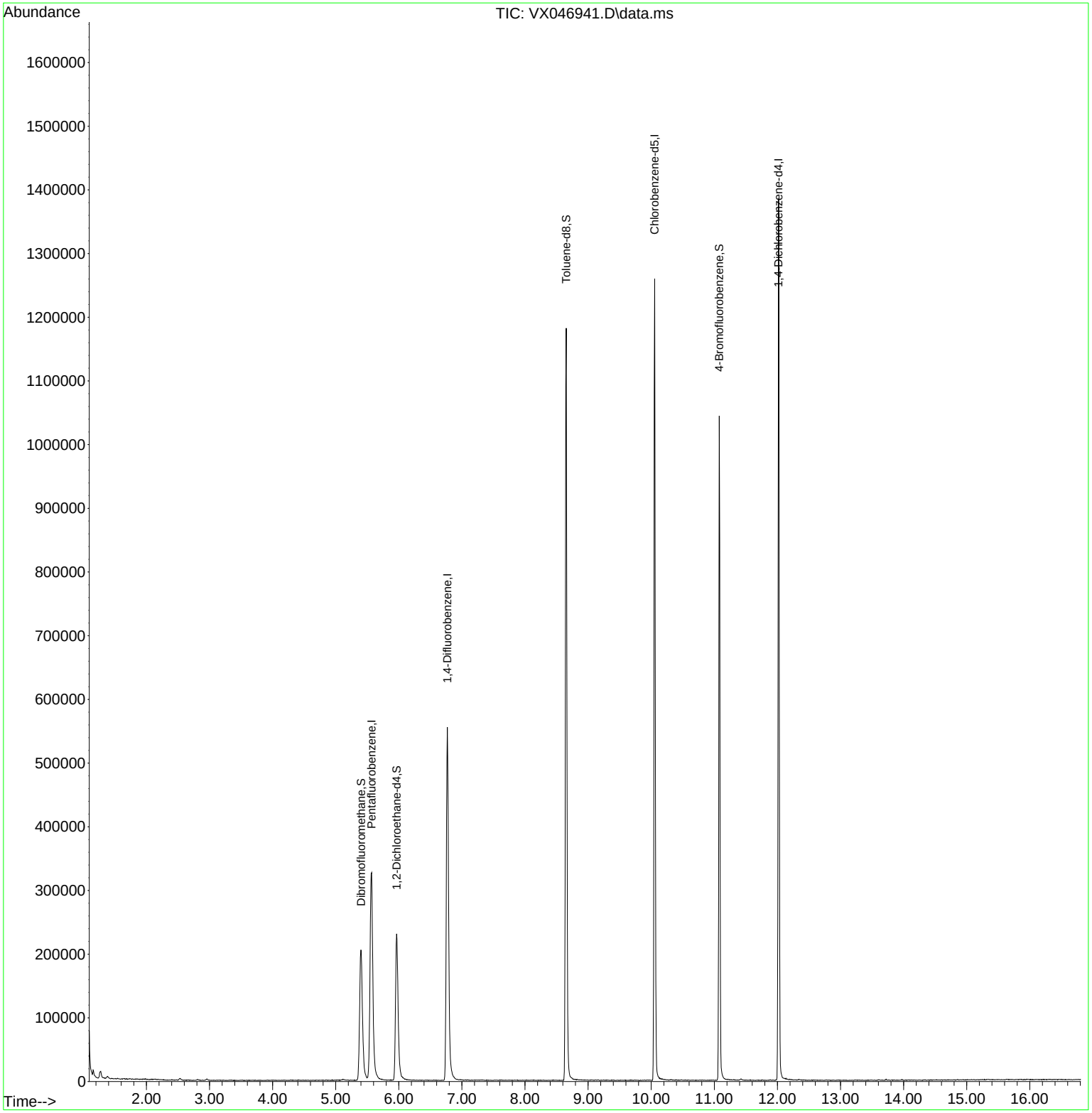
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	336838	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	597114	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	559535	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	278760	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	239477	53.816	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.640%			
35) Dibromofluoromethane	5.403	113	200030	49.351	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.700%			
50) Toluene-d8	8.652	98	724272	50.646	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.300%			
62) 4-Bromofluorobenzene	11.079	95	275692	50.725	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.440%			
Target Compounds						Qvalue

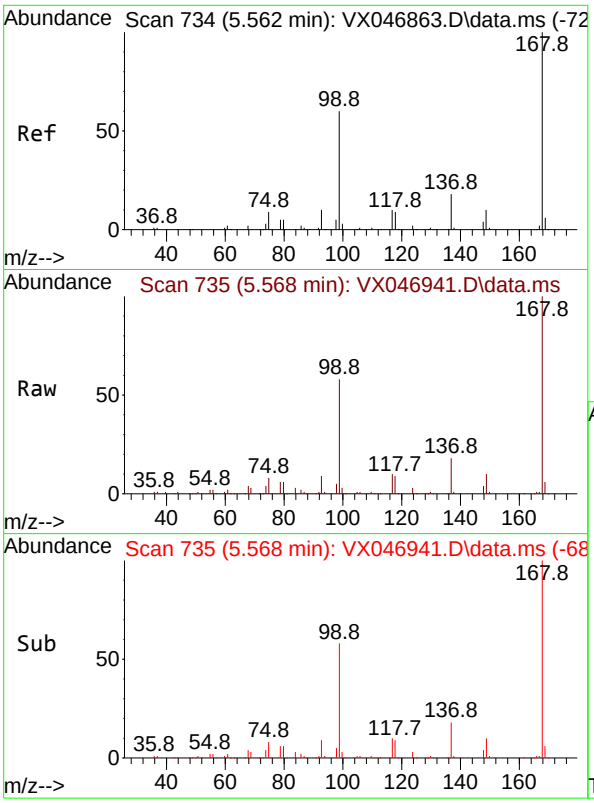
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046941.D
Acq On : 10 Jul 2025 14:00
Operator : JC/MD
Sample : Q2554-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250709059-10 Trip blank

Quant Time: Jul 11 01:29:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration



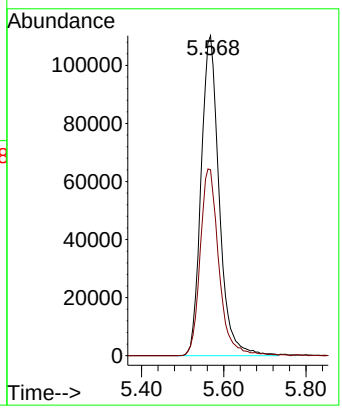


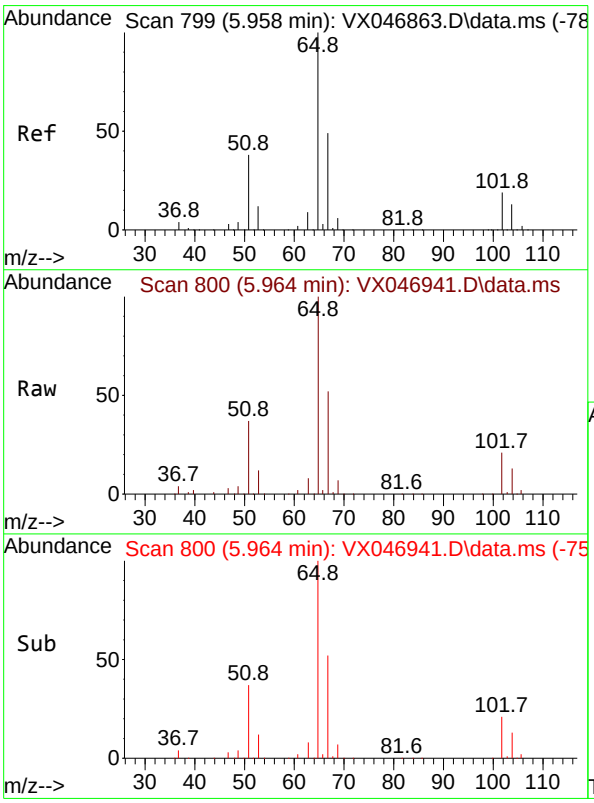
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046941.D
Acq: 10 Jul 2025 14:00

Instrument :
MSVOA_X
ClientSampleId :
250709059-10 Trip blank

Tgt Ion:168 Resp: 336838

Ion	Ratio	Lower	Upper
168	100		
99	58.1	48.8	73.2

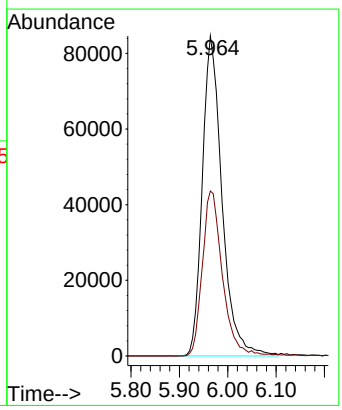


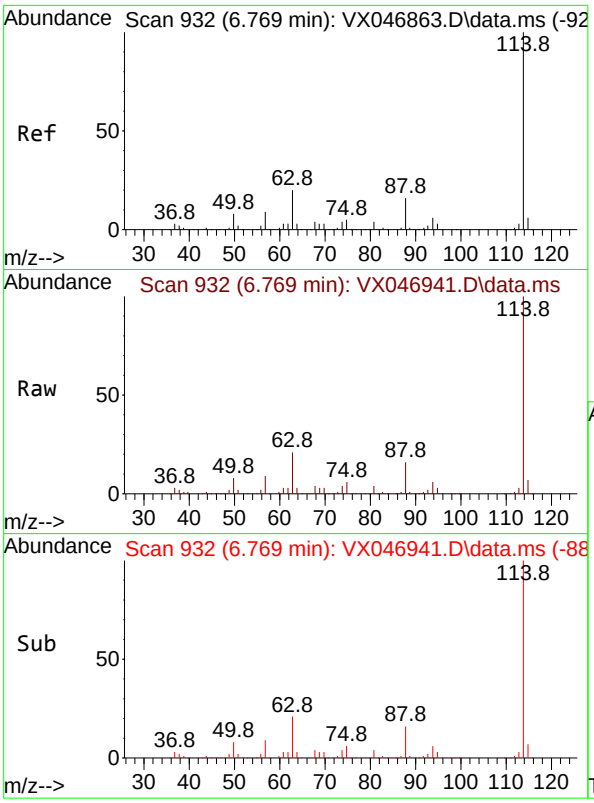


#33
1,2-Dichloroethane-d4
Concen: 53.816 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX046941.D
Acq: 10 Jul 2025 14:00

Tgt Ion: 65 Resp: 239477

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	105.2



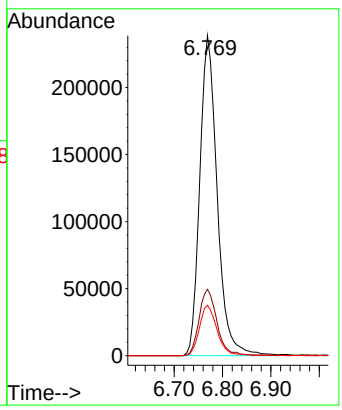


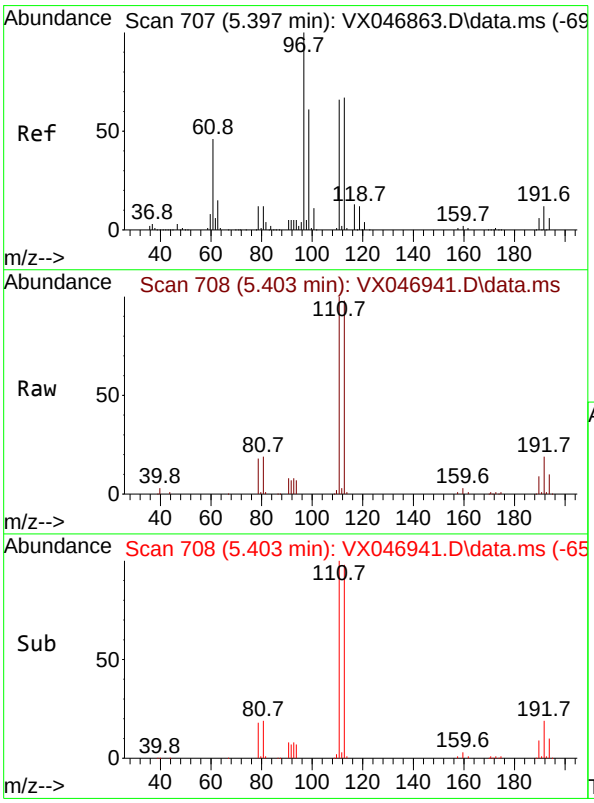
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046941.D
Acq: 10 Jul 2025 14:00

Instrument :
MSVOA_X
ClientSampleId :
250709059-10 Trip blank

Tgt Ion:114 Resp: 597114

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.4
88	15.8	0.0	31.0

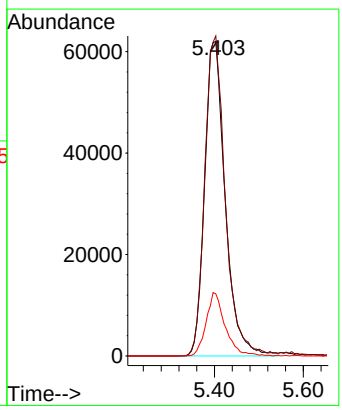


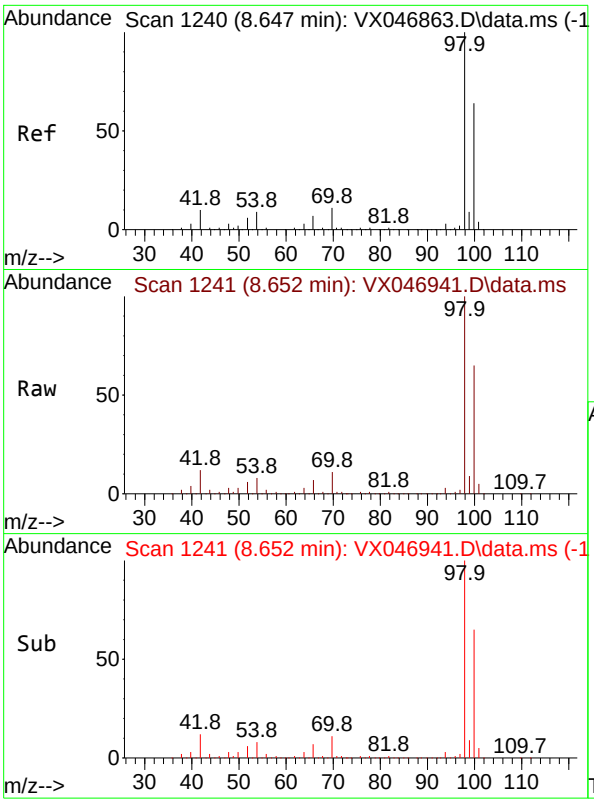


#35
Dibromofluoromethane
Concen: 49.351 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX046941.D
Acq: 10 Jul 2025 14:00

Tgt Ion:113 Resp: 200030

Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.2	121.8
192	18.6	15.3	22.9



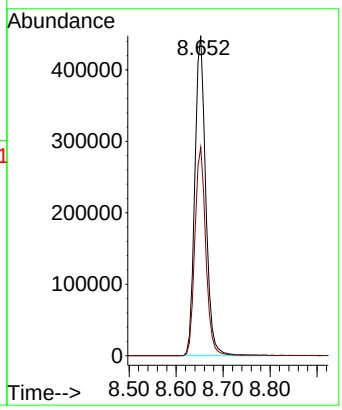


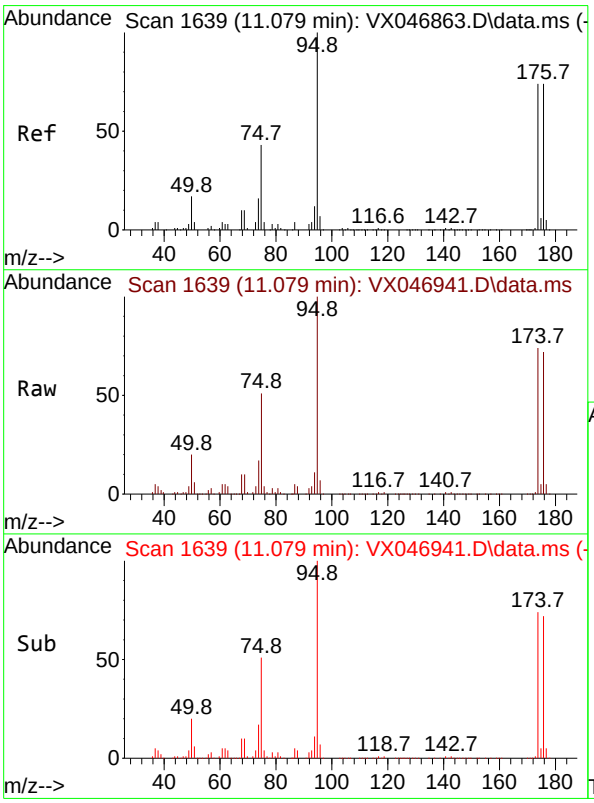
#50
Toluene-d8
Concen: 50.646 ug/l
RT: 8.652 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046941.D
Acq: 10 Jul 2025 14:00

Instrument :
MSVOA_X
ClientSampleId :
250709059-10 Trip blank

Tgt Ion: 98 Resp: 724272

Ion	Ratio	Lower	Upper
98	100		
100	65.5	53.0	79.6

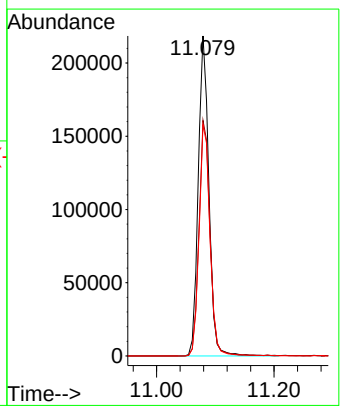


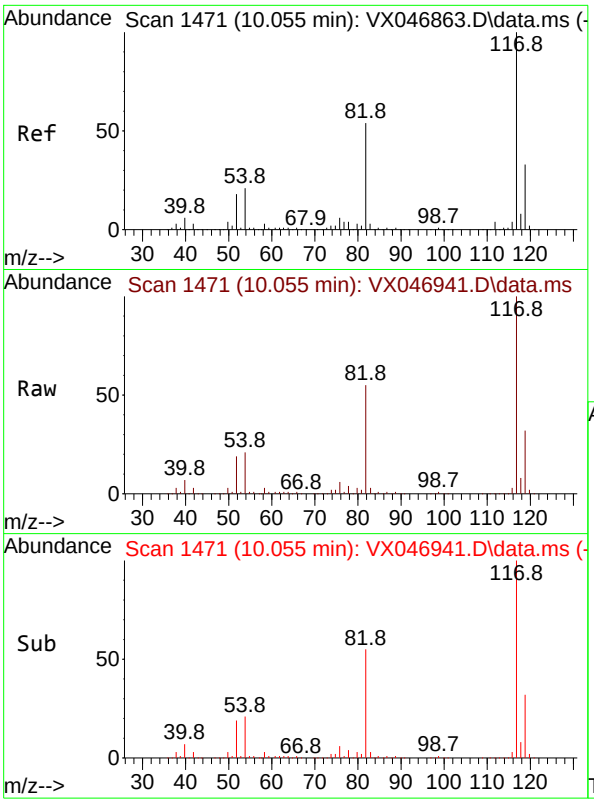


#62
4-Bromofluorobenzene
Concen: 50.725 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046941.D
Acq: 10 Jul 2025 14:00

Tgt Ion: 95 Resp: 275692

Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	152.0
176	74.1	0.0	145.2



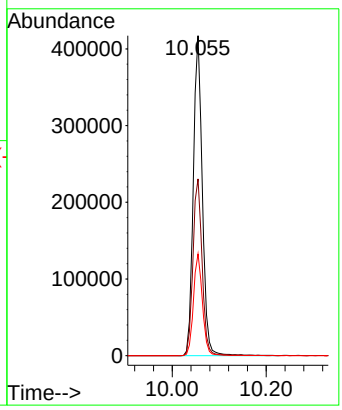


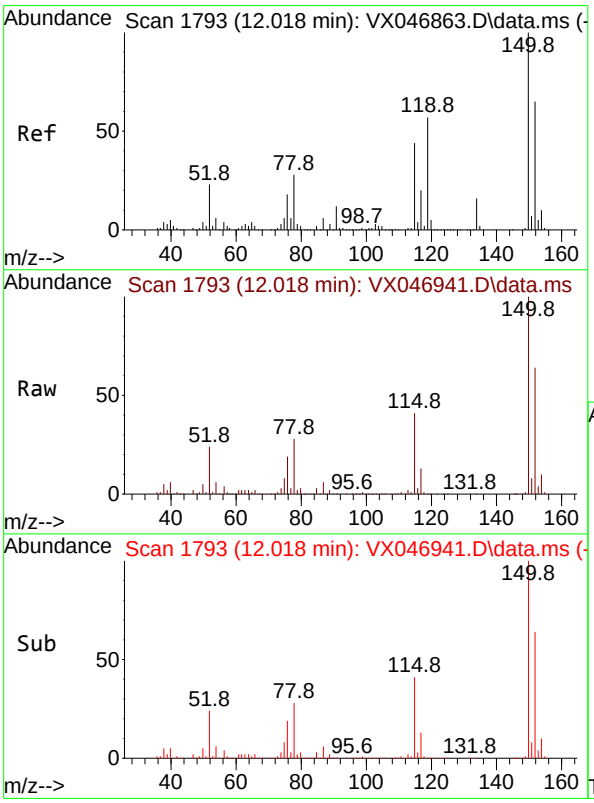
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046941.D
Acq: 10 Jul 2025 14:00

Instrument :
MSVOA_X
ClientSampleId :
250709059-10 Trip blank

Tgt Ion:117 Resp: 559535

Ion	Ratio	Lower	Upper
117	100		
82	55.3	43.3	64.9
119	31.8	26.4	39.6

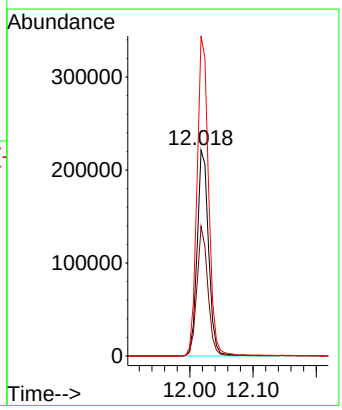




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046941.D
Acq: 10 Jul 2025 14:00

Tgt Ion:152 Resp: 278760

Ion	Ratio	Lower	Upper
152	100		
115	60.4	42.4	127.1
150	157.6	0.0	349.2



Sample Results: **VX046941.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046941.D
Acq On : 10 Jul 2025 14:00
Operator : JC/MD
Sample : Q2554-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250709059-10 Trip blank

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\82X070225W.M
Title : SW846 8260

Signal : TIC: VX046941.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.154	9	11	24	rVB	12612	21915	1.13%	0.210%
2	1.276	24	31	37	rBV3	10804	22268	1.15%	0.213%
3	5.397	697	707	723	rBV3	204348	648727	33.52%	6.211%
4	5.568	724	735	760	rVB	324857	1013548	52.37%	9.704%
5	5.964	791	800	821	rBV	229577	659042	34.05%	6.310%
6	6.769	921	932	956	rBV	554522	1406914	72.70%	13.471%
7	8.652	1234	1241	1258	rBV	1181136	1935261	100.00%	18.529%
8	10.055	1465	1471	1485	rBV	1258807	1716720	88.71%	16.437%
9	11.079	1634	1639	1655	rBV	1042601	1314235	67.91%	12.583%
10	12.018	1788	1793	1807	rBV	1383855	1705726	88.14%	16.332%

Sum of corrected areas: 10444356

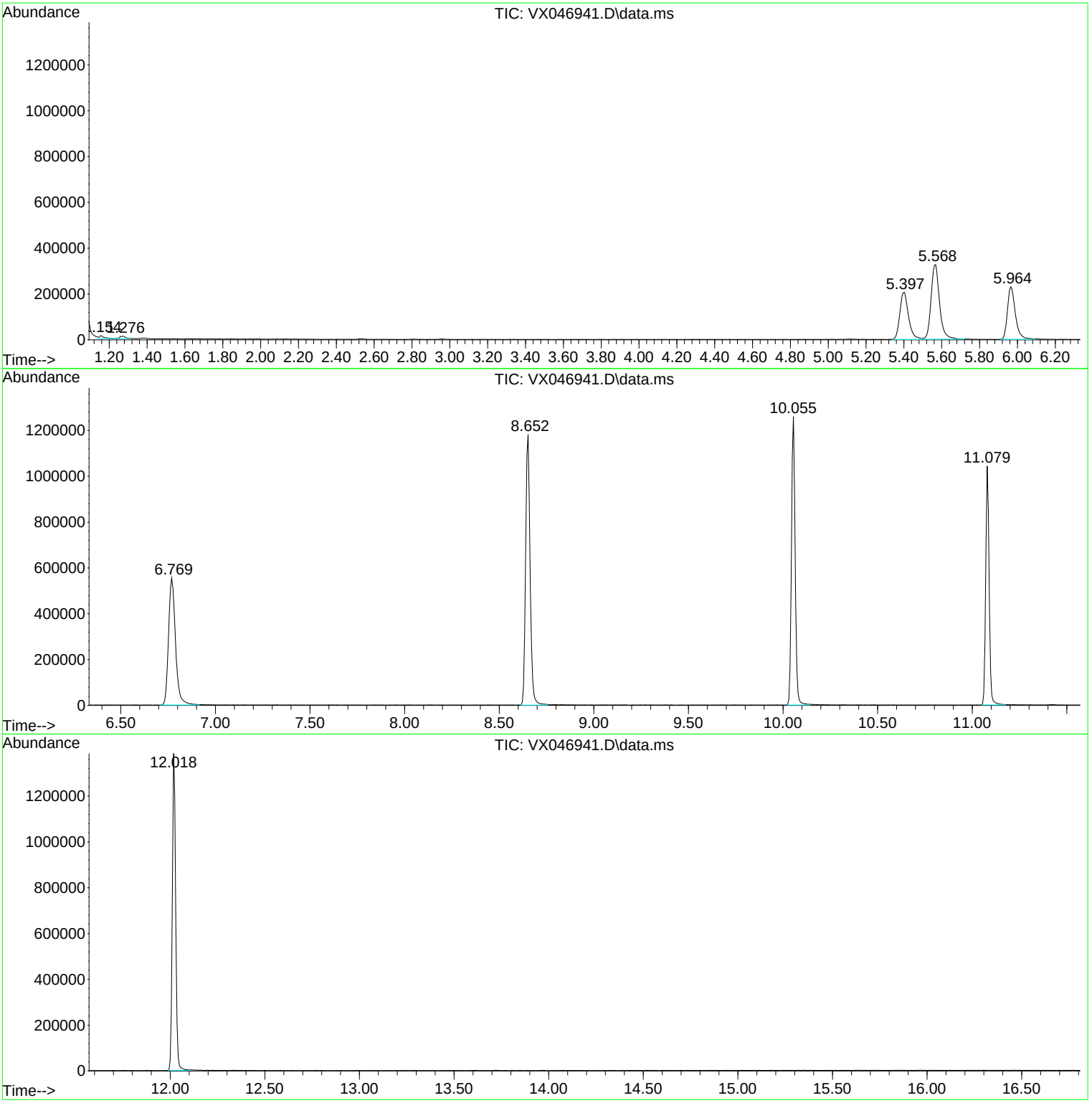
Sample Results: **VX046941.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046941.D
Acq On : 10 Jul 2025 14:00
Operator : JC/MD
Sample : Q2554-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250709059-10 Trip blank

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046941.D
Acq On : 10 Jul 2025 14:00
Operator : JC/MD
Sample : Q2554-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250709059-10 Trip blank

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.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\VX071025\
Data File : VX046941.D
Acq On : 10 Jul 2025 14:00
Operator : JC/MD
Sample : Q2554-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250709059-10 Trip blank

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.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: **VX046950.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	07/09/25
Project:	Waste Water 2025	Date Received:	07/10/25
Client Sample ID:	250709104-01 VOA	SDG No.:	Q2554
Lab Sample ID:	Q2554-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046950.D	1	07/10/25 17:12	VX071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.74	J	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	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	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	6.50		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.34	J	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.54	J	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	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	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	1.60		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	UQ	0.68	5.00	ug/L
108-88-3	Toluene	0.71	J	0.14	1.00	ug/L

Raw Data: **VX046950.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	07/09/25
Project:	Waste Water 2025	Date Received:	07/10/25
Client Sample ID:	250709104-01 VOA	SDG No.:	Q2554
Lab Sample ID:	Q2554-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046950.D	1	07/10/25 17:12	VX071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	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	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	15.5		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	2.70		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	3.20		0.24	2.00	ug/L
95-47-6	o-Xylene	2.50		0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.30		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	7.70		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.56	J	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.1		74 - 125	102%	SPK: 50
1868-53-7	Dibromofluoromethane	47.5		75 - 124	95%	SPK: 50
2037-26-5	Toluene-d8	49.5		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		77 - 121	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	455000	5.568			
540-36-3	1,4-Difluorobenzene	801000	6.769			
3114-55-4	Chlorobenzene-d5	734000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	378000	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VX046950.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	07/09/25
Project:	Waste Water 2025	Date Received:	07/10/25
Client Sample ID:	250709104-01 VOA	SDG No.:	Q2554
Lab Sample ID:	Q2554-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046950.D	1	07/10/25 17:12	VX071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
60-29-7	Diethyl Ether	12.5	J		2.15	ug/L
75-65-0	Tert butyl alcohol	220	J		2.95	ug/L
109-99-9	Tetrahydrofuran	150	J		5.01	ug/L
123-91-1	1,4-Dioxane	190	J		7.67	ug/L
103-65-1	n-propylbenzene	0.70	J		11.3	ug/L
95-49-8	2-Chlorotoluene	0.62	J		11.4	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.30	J		11.5	ug/L
95-63-6	1,2,4-Trimethylbenzene	1.80	J		11.8	ug/L
91-20-3	Naphthalene	11.4	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\VX071025\
Data File : VX046950.D
Acq On : 10 Jul 2025 17:12
Operator : JC/MD
Sample : Q2554-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250709104-01 VOA

Quant Time: Jul 11 01:34:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

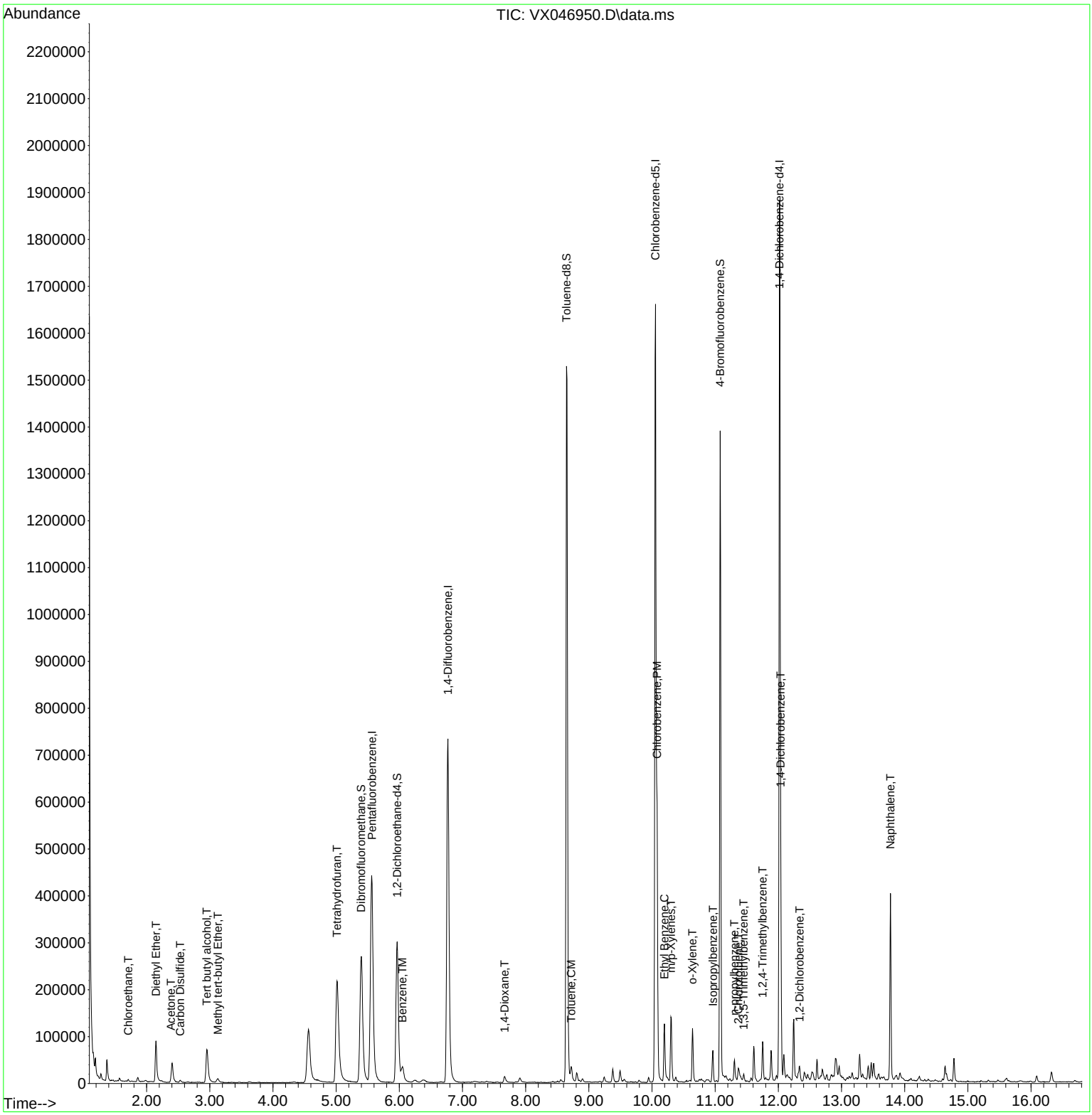
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	454545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	801050	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	733561	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	377959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	307115	51.143	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.280%			
35) Dibromofluoromethane	5.398	113	258015	47.451	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.900%			
50) Toluene-d8	8.647	98	950258	49.532	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.060%			
62) 4-Bromofluorobenzene	11.079	95	367787	50.442	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.880%			
Target Compounds						Qvalue
6) Chloroethane	1.709	64	2510	0.735	ug/l #	86
8) Diethyl Ether	2.148	74	35457	12.459	ug/l	98
11) Tert butyl alcohol	2.953	59	86481	219.585	ug/l	100
16) Acetone	2.386	43	12066	6.469	ug/l	99
17) Carbon Disulfide	2.532	76	4363	0.338	ug/l	98
19) Methyl tert-butyl Ether	3.130	73	7469	0.537	ug/l #	86
29) Tetrahydrofuran	5.013	42	240907	151.858	ug/l	97
40) Benzene	6.050	78	36432	1.642	ug/l	92
49) 1,4-Dioxane	7.665	88	10719	187.193	ug/l	93
52) Toluene	8.720	92	9694	0.705	ug/l	94
65) Chlorobenzene	10.080	112	246260	15.527	ug/l	98
67) Ethyl Benzene	10.195	91	72385	2.665	ug/l	99
68) m/p-Xylenes	10.299	106	33101	3.234	ug/l	97
69) o-Xylene	10.640	106	24924	2.521	ug/l	100
73) Isopropylbenzene	10.964	105	33365	1.256	ug/l	97
78) n-propylbenzene	11.305	91	22415	0.700	ug/l	98
79) 2-Chlorotoluene	11.366	91	11698	0.618	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	6376	0.295	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	38440	1.762	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	99603	7.732	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	6759	0.564	ug/l	97
95) Naphthalene	13.774	128	244699	11.396	ug/l	100

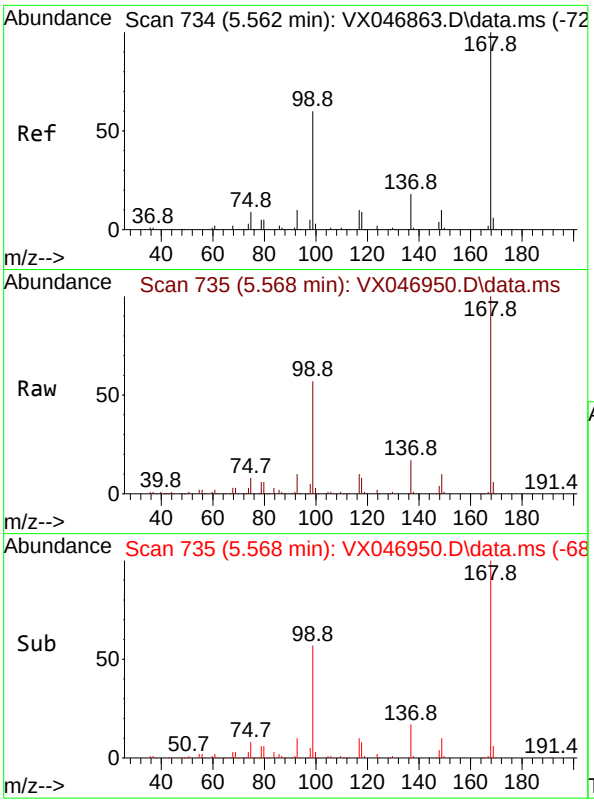
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046950.D
Acq On : 10 Jul 2025 17:12
Operator : JC/MD
Sample : Q2554-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250709104-01 VOA

Quant Time: Jul 11 01:34:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration



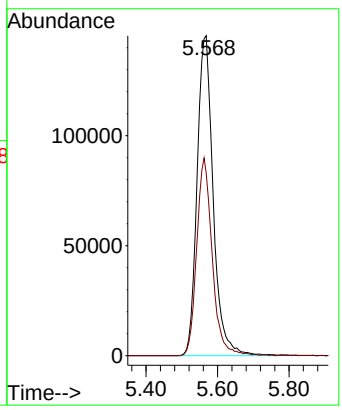


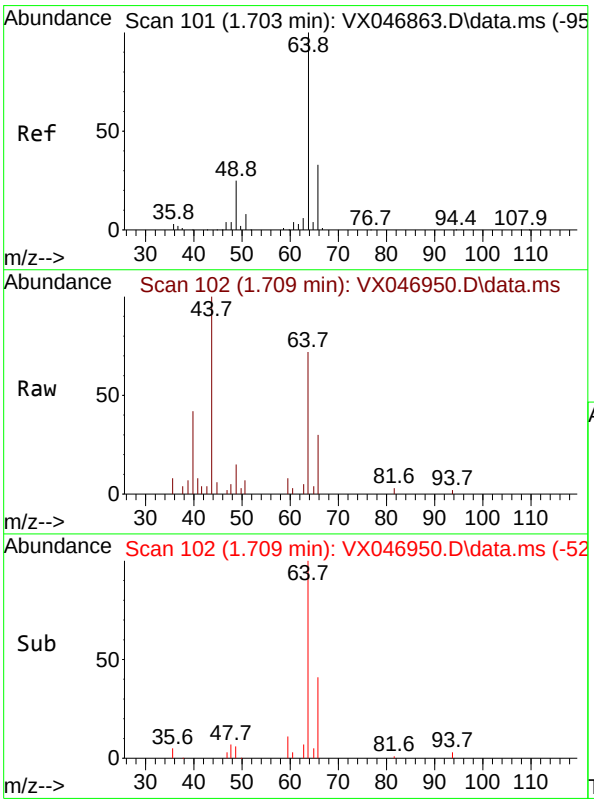
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046950.D
Acq: 10 Jul 2025 17:12

Instrument :
MSVOA_X
ClientSampleId :
250709104-01 VOA

Tgt Ion:168 Resp: 454545

Ion	Ratio	Lower	Upper
168	100		
99	57.0	48.8	73.2

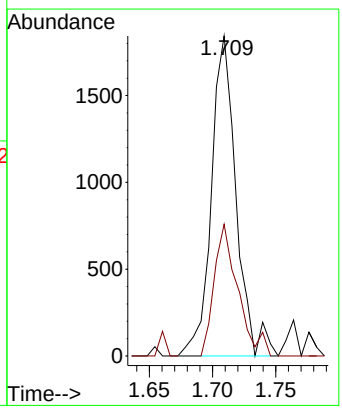


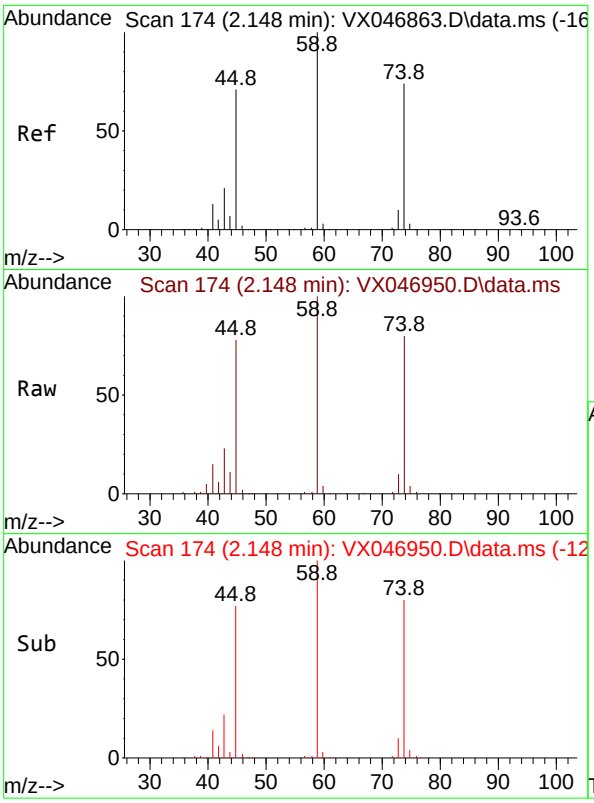


#6
Chloroethane
Concen: 0.735 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.006 min
Lab File: VX046950.D
Acq: 10 Jul 2025 17:12

Tgt Ion: 64 Resp: 2510

Ion	Ratio	Lower	Upper
64	100		
66	41.2	26.4	39.6#



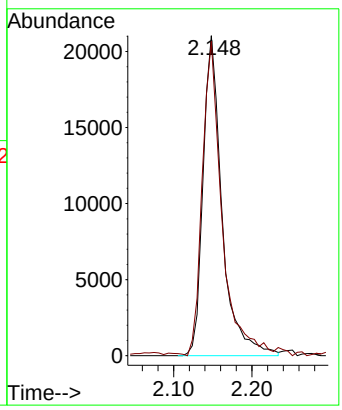


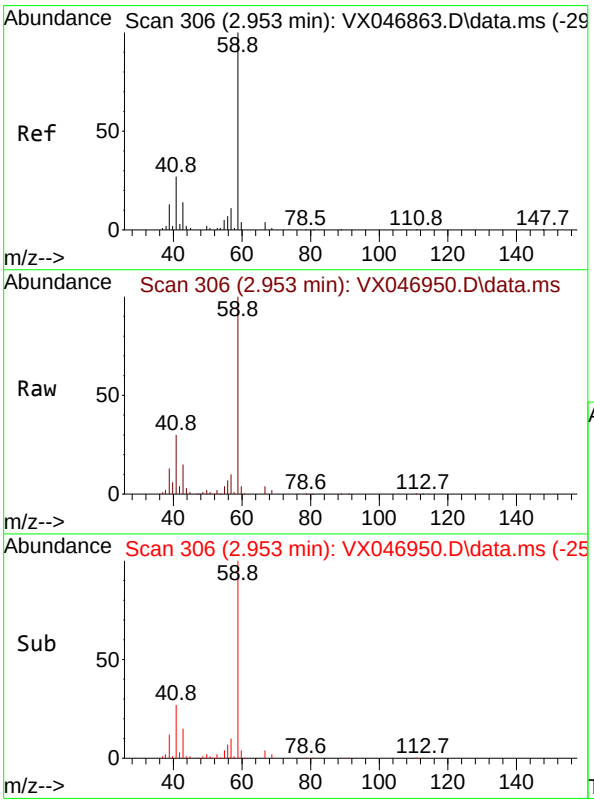
#8
Diethyl Ether
Concen: 12.459 ug/l
RT: 2.148 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046950.D
Acq: 10 Jul 2025 17:12

Instrument :
MSVOA_X
ClientSampleId :
250709104-01 VOA

Tgt Ion: 74 Resp: 35457

Ion	Ratio	Lower	Upper
74	100		
45	99.5	50.7	152.1

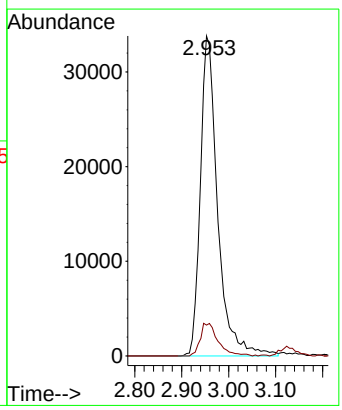


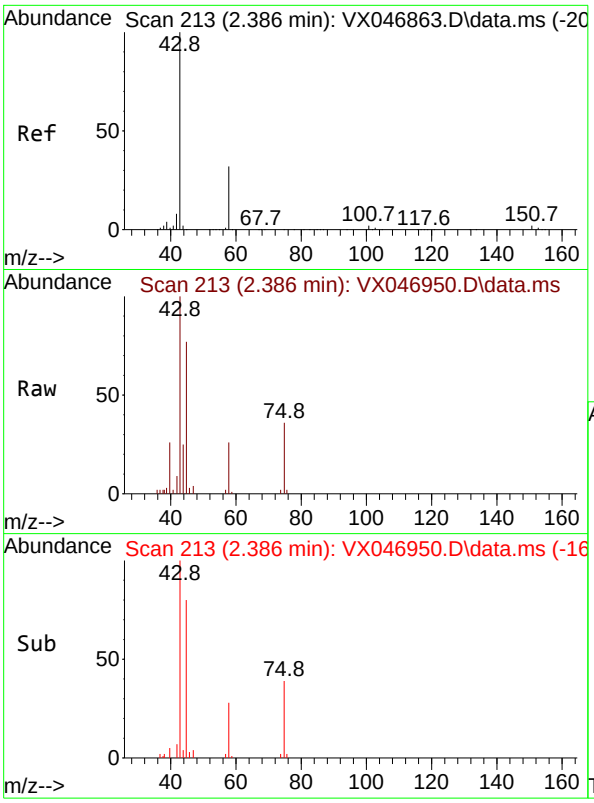


#11
Tert butyl alcohol
Concen: 219.585 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.000 min
Lab File: VX046950.D
Acq: 10 Jul 2025 17:12

Tgt Ion: 59 Resp: 86481

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.5	12.7



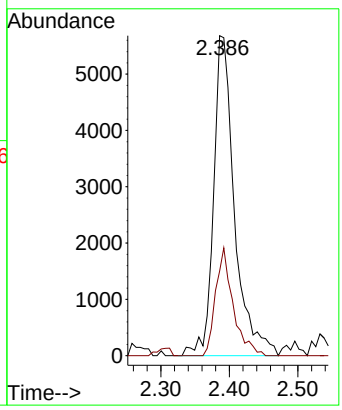


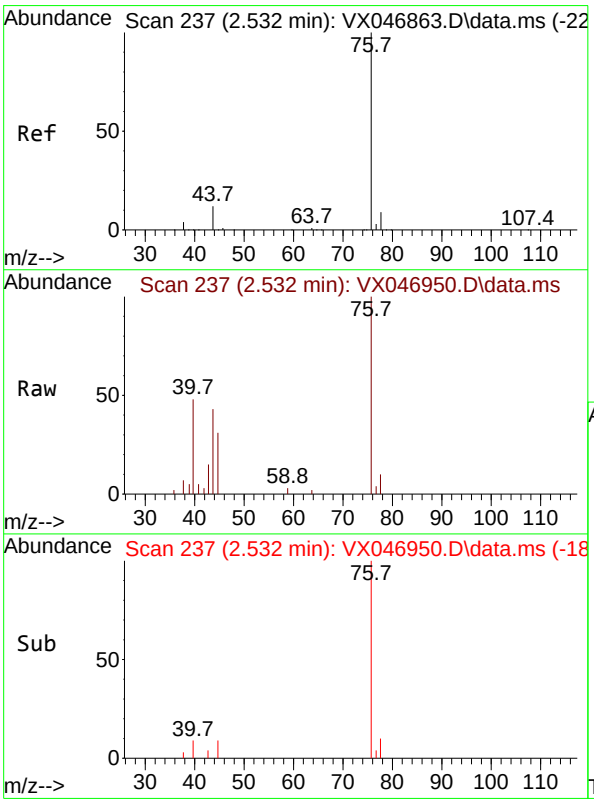
#16
Acetone
Concen: 6.469 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046950.D
Acq: 10 Jul 2025 17:12

Instrument :
MSVOA_X
ClientSampleId :
250709104-01 VOA

Tgt Ion: 43 Resp: 12066

Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.8	38.6

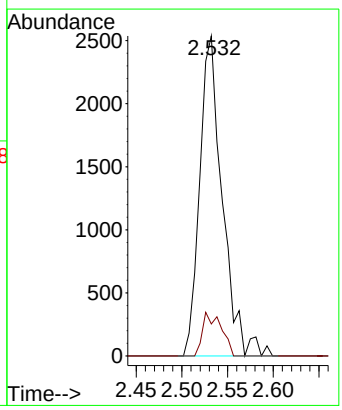


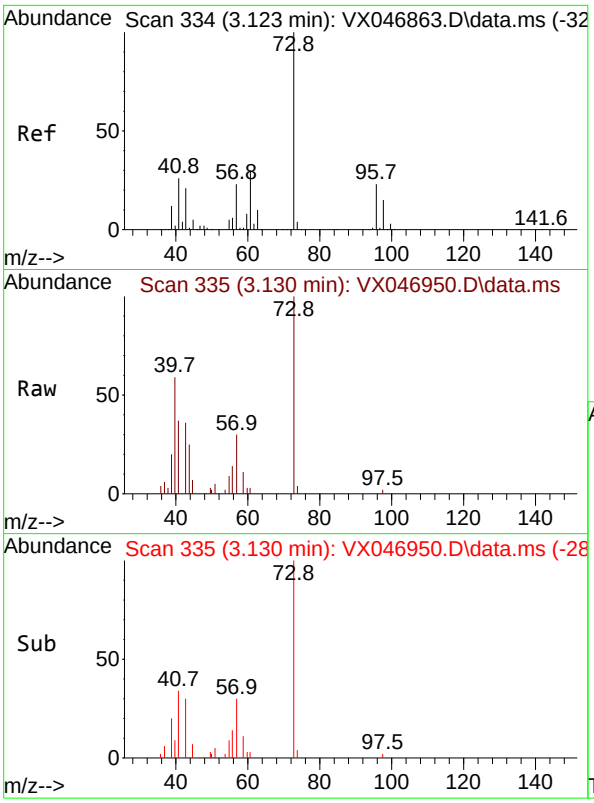


#17
Carbon Disulfide
Concen: 0.338 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX046950.D
Acq: 10 Jul 2025 17:12

Tgt Ion: 76 Resp: 4363

Ion	Ratio	Lower	Upper
76	100		
78	10.0	7.4	11.2



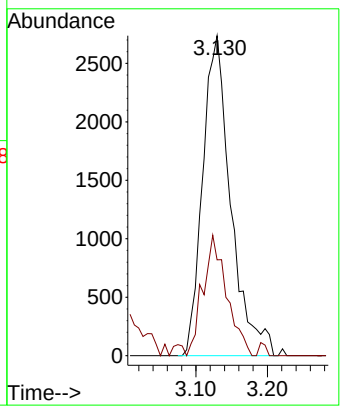


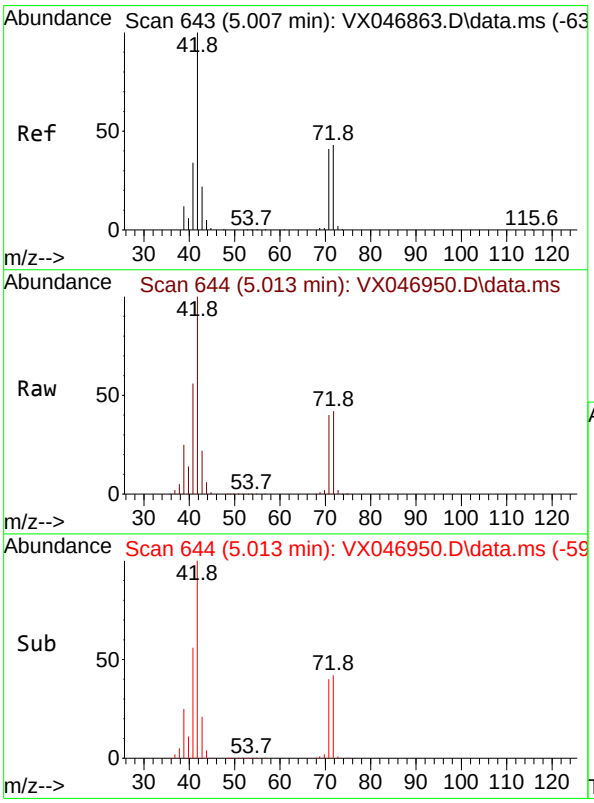
#19
Methyl tert-butyl Ether
Concen: 0.537 ug/l
RT: 3.130 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046950.D
Acq: 10 Jul 2025 17:12

Instrument :
MSVOA_X
ClientSampleId :
250709104-01 VOA

Tgt Ion: 73 Resp: 7469

Ion	Ratio	Lower	Upper
73	100		
57	30.0	18.6	28.0#

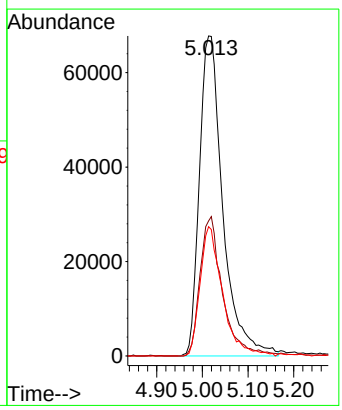


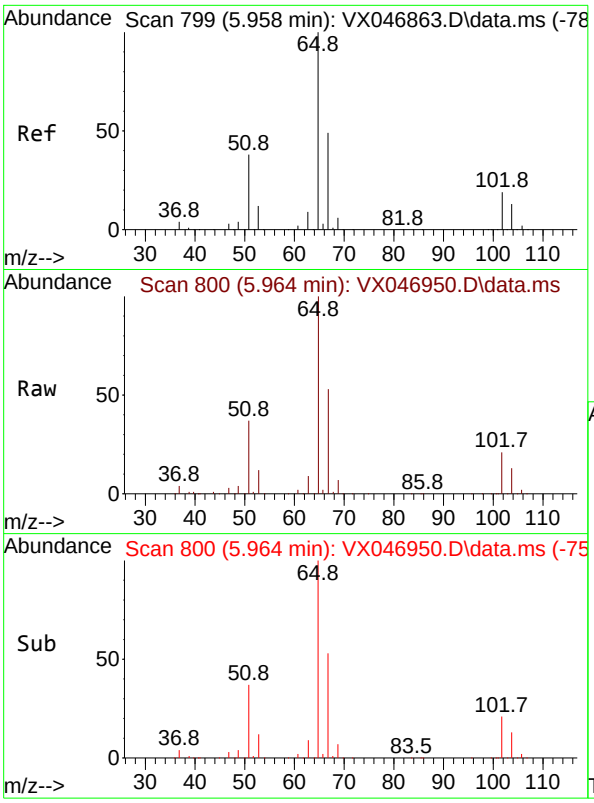


#29
Tetrahydrofuran
Concen: 151.858 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.006 min
Lab File: VX046950.D
Acq: 10 Jul 2025 17:12

Tgt Ion: 42 Resp: 240907

Ion	Ratio	Lower	Upper
42	100		
72	41.8	35.1	52.7
71	38.8	31.9	47.9



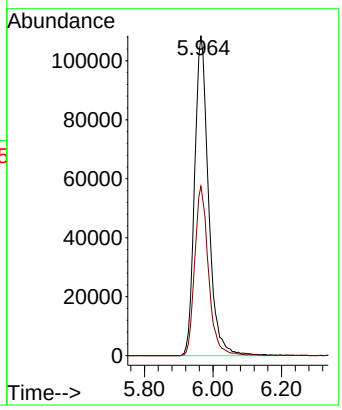


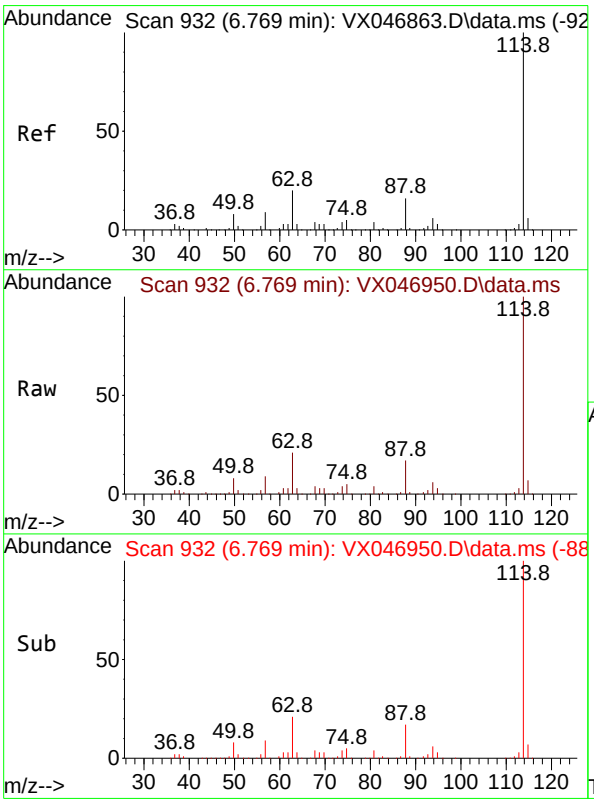
#33
1,2-Dichloroethane-d4
Concen: 51.143 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046950.D
Acq: 10 Jul 2025 17:12

Instrument :
MSVOA_X
ClientSampleId :
250709104-01 VOA

Tgt Ion: 65 Resp: 307115

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	105.2

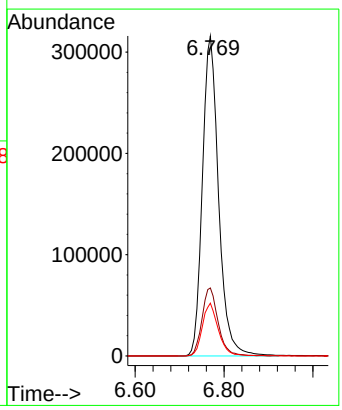


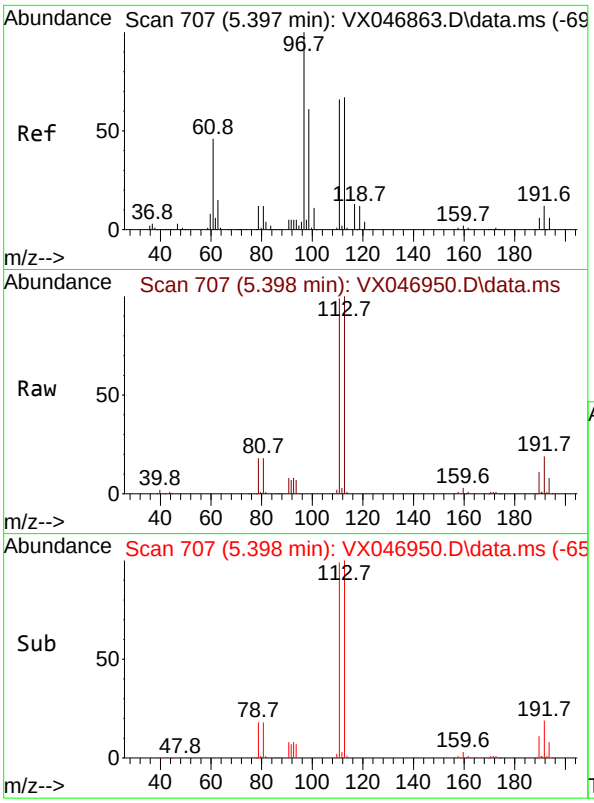


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX046950.D
Acq: 10 Jul 2025 17:12

Tgt Ion:114 Resp: 801050

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	40.4
88	16.5	0.0	31.0



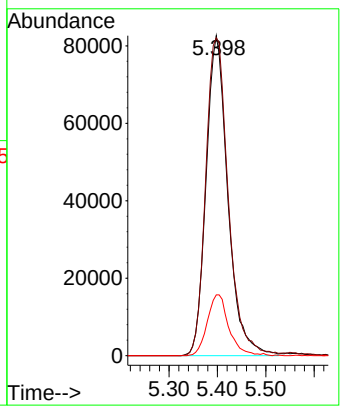


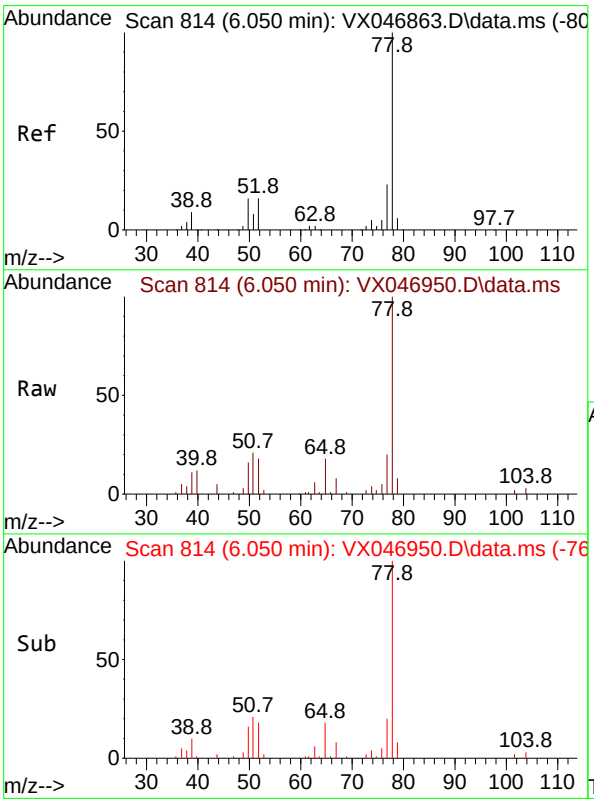
#35
Dibromofluoromethane
Concen: 47.451 ug/l
RT: 5.398 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046950.D
Acq: 10 Jul 2025 17:12

Instrument :
MSVOA_X
ClientSampleId :
250709104-01 VOA

Tgt Ion:113 Resp: 258015

Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.2	121.8
192	18.9	15.3	22.9

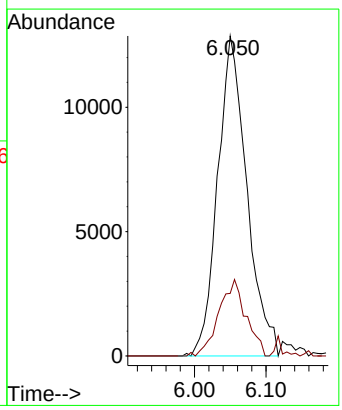


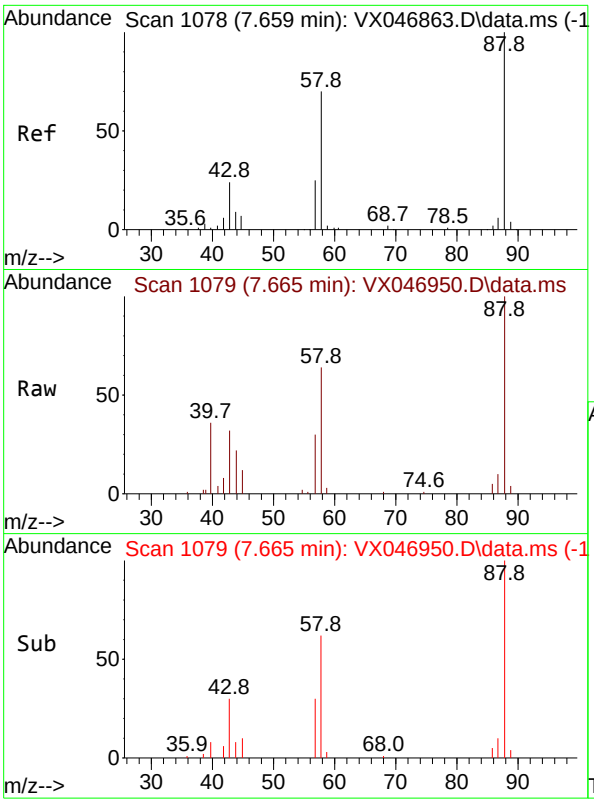


#40
Benzene
Concen: 1.642 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.000 min
Lab File: VX046950.D
Acq: 10 Jul 2025 17:12

Tgt Ion: 78 Resp: 36432

Ion	Ratio	Lower	Upper
78	100		
77	19.6	18.7	28.1



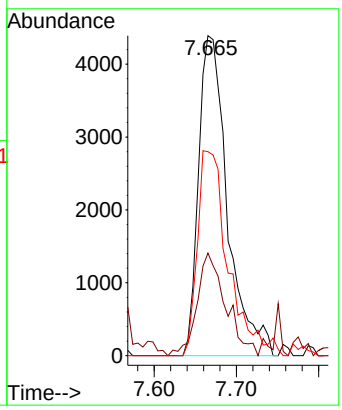


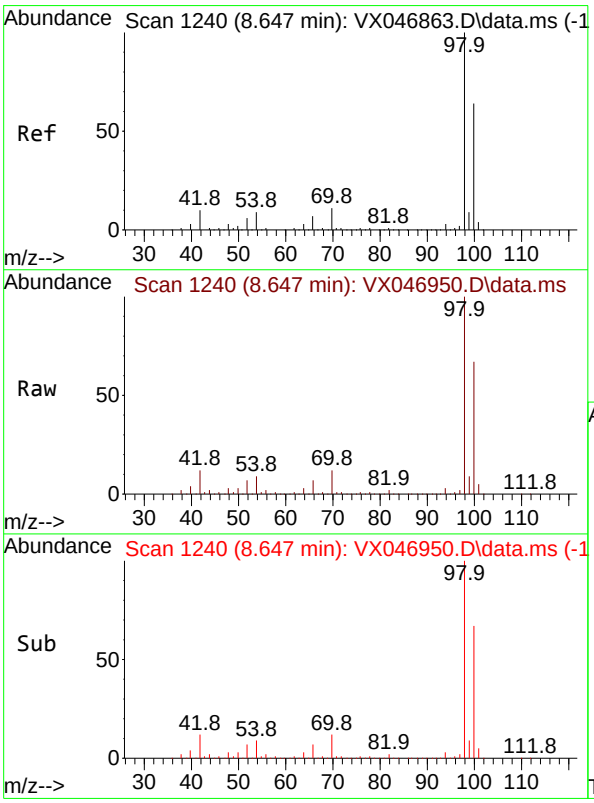
#49
1,4-Dioxane
Concen: 187.193 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046950.D
Acq: 10 Jul 2025 17:12

Instrument :
MSVOA_X
ClientSampleId :
250709104-01 VOA

Tgt Ion: 88 Resp: 10719

Ion	Ratio	Lower	Upper
88	100		
43	31.9	31.7	47.5
58	68.2	57.5	86.3

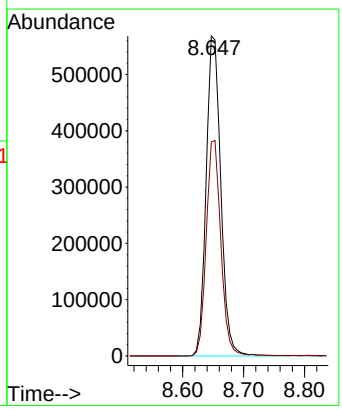


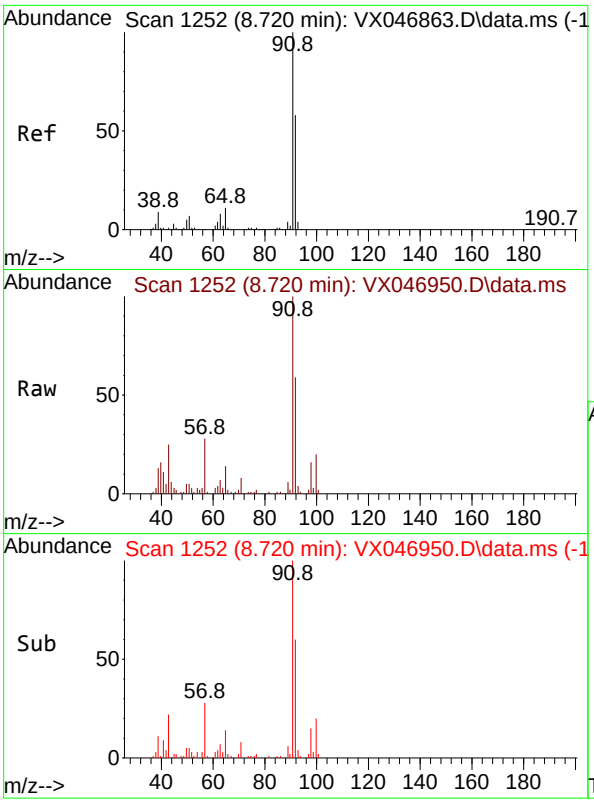


#50
Toluene-d8
Concen: 49.532 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046950.D
Acq: 10 Jul 2025 17:12

Tgt Ion: 98 Resp: 950258

Ion	Ratio	Lower	Upper
98	100		
100	67.4	53.0	79.6



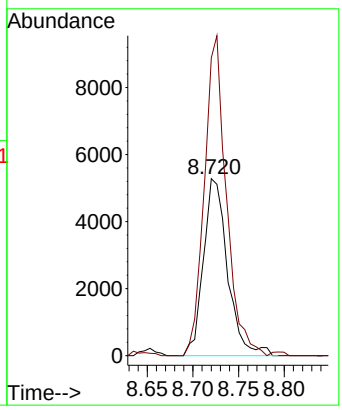


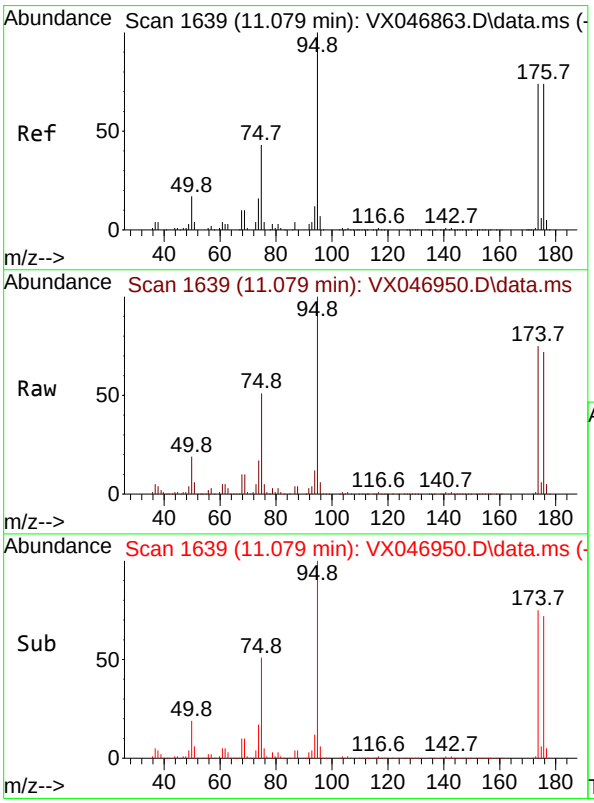
#52
Toluene
Concen: 0.705 ug/l
RT: 8.720 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046950.D
Acq: 10 Jul 2025 17:12

Instrument :
MSVOA_X
ClientSampleId :
250709104-01 VOA

Tgt Ion: 92 Resp: 9694

Ion	Ratio	Lower	Upper
92	100		
91	164.3	137.9	206.9

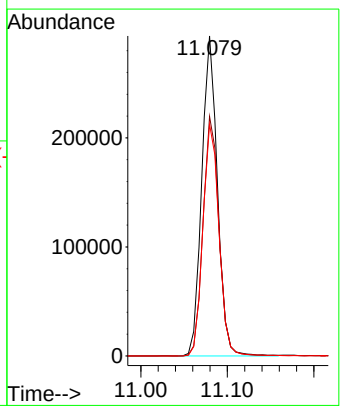


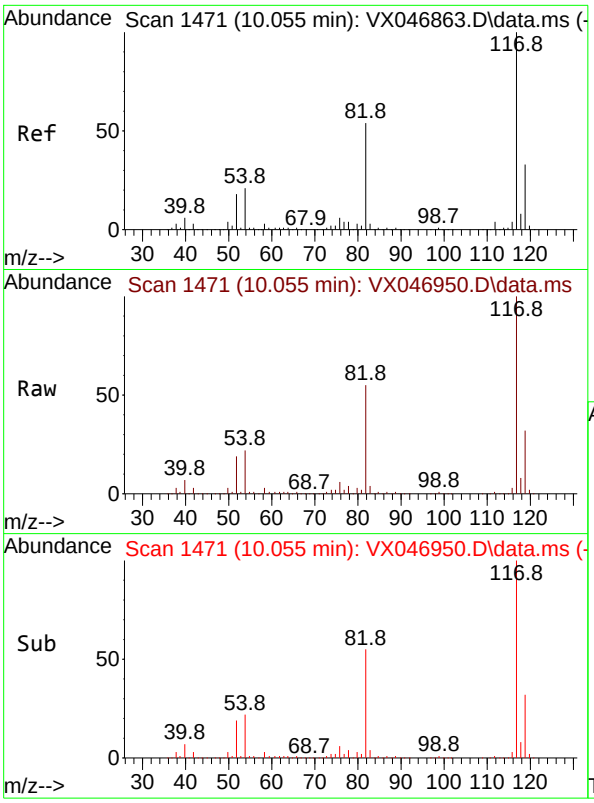


#62
4-Bromofluorobenzene
Concen: 50.442 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046950.D
Acq: 10 Jul 2025 17:12

Tgt Ion: 95 Resp: 367787

Ion	Ratio	Lower	Upper
95	100		
174	76.4	0.0	152.0
176	74.8	0.0	145.2



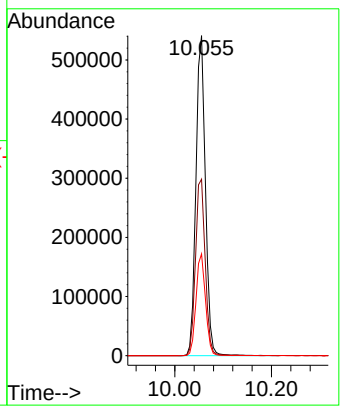


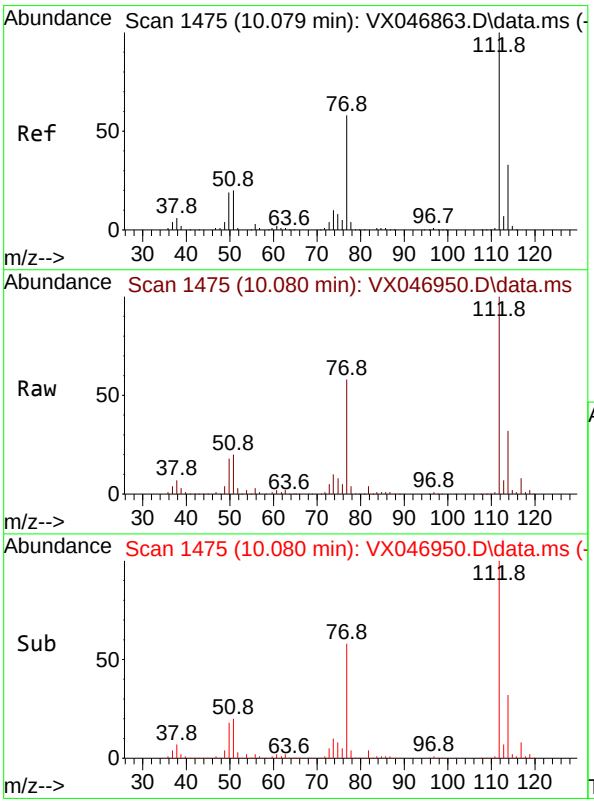
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046950.D
Acq: 10 Jul 2025 17:12

Instrument :
MSVOA_X
ClientSampleId :
250709104-01 VOA

Tgt Ion:117 Resp: 733561

Ion	Ratio	Lower	Upper
117	100		
82	55.2	43.3	64.9
119	31.8	26.4	39.6

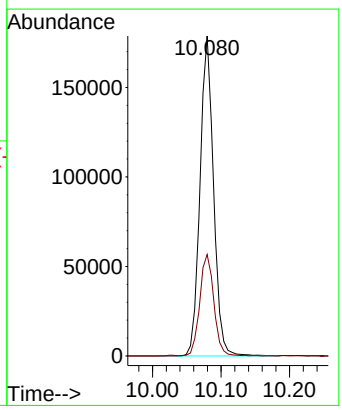


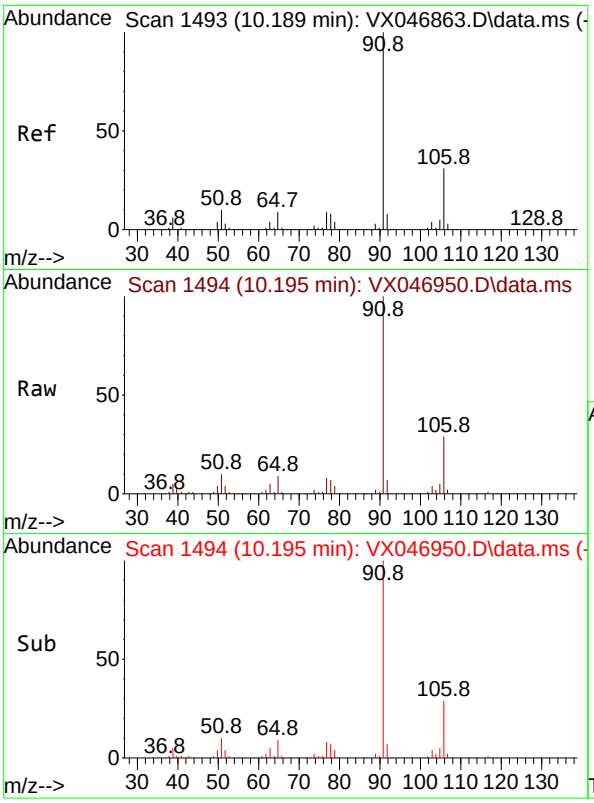


#65
Chlorobenzene
Concen: 15.527 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX046950.D
Acq: 10 Jul 2025 17:12

Tgt Ion:112 Resp: 246260

Ion	Ratio	Lower	Upper
112	100		
114	31.7	26.3	39.5



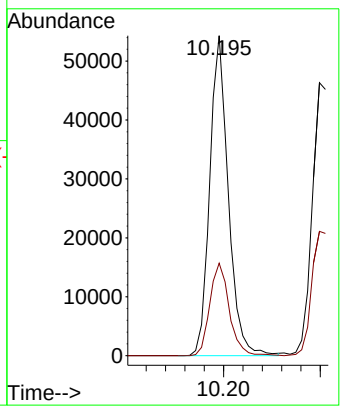


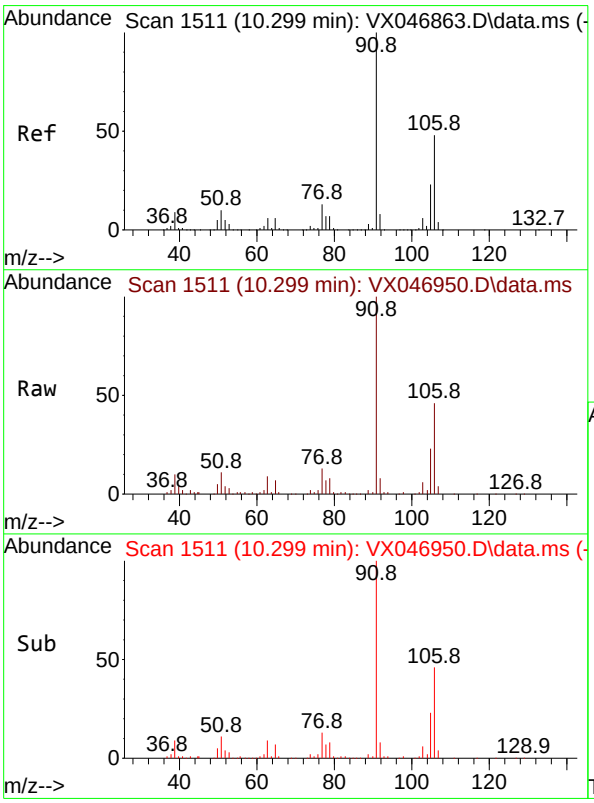
#67
Ethyl Benzene
Concen: 2.665 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046950.D
Acq: 10 Jul 2025 17:12

Instrument :
MSVOA_X
ClientSampleId :
250709104-01 VOA

Tgt Ion: 91 Resp: 72385

Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.4	36.6

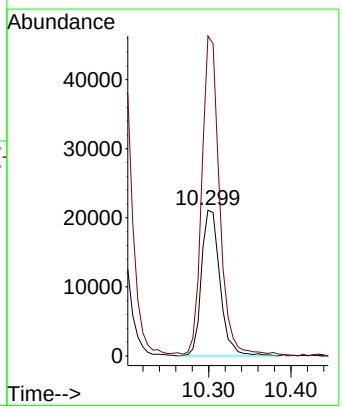


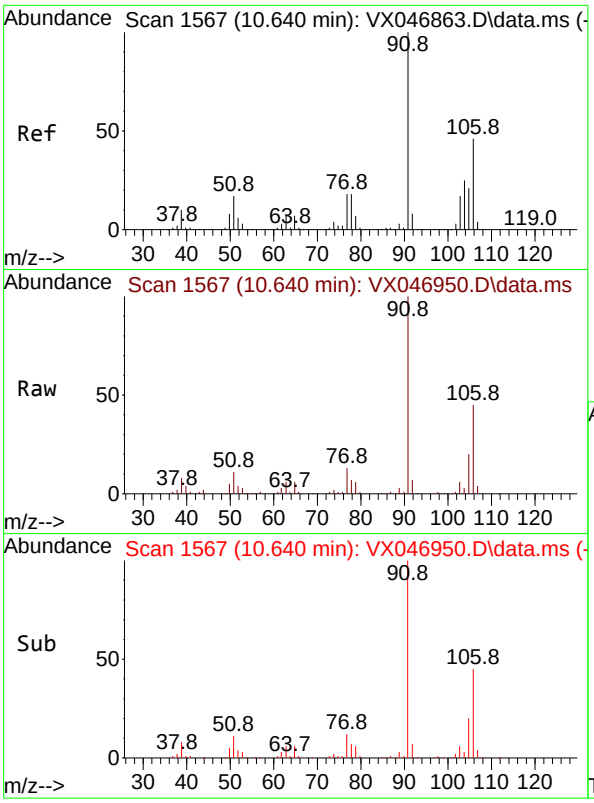


#68
m/p-Xylenes
Concen: 3.234 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046950.D
Acq: 10 Jul 2025 17:12

Tgt Ion:106 Resp: 33101

Ion	Ratio	Lower	Upper
106	100		
91	211.0	164.6	246.8



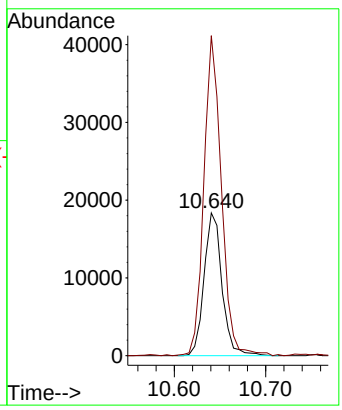


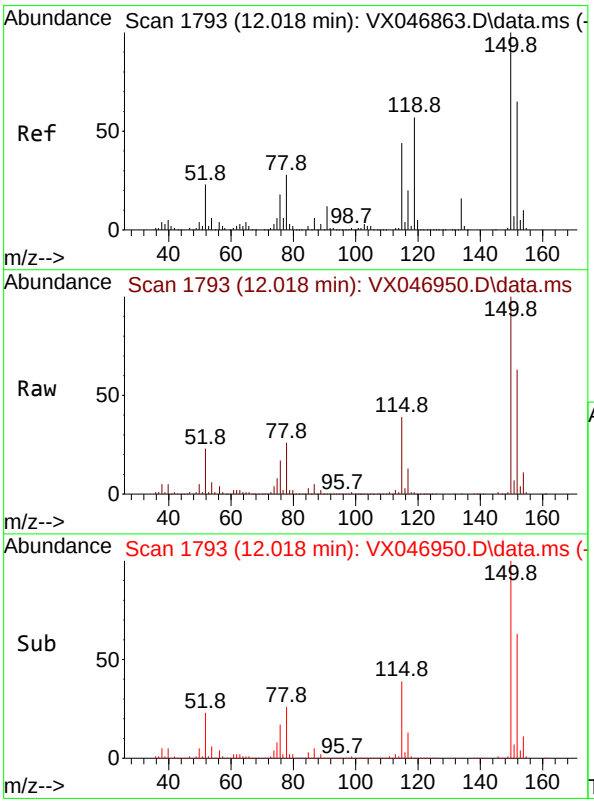
#69
o-Xylene
Concen: 2.521 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046950.D
Acq: 10 Jul 2025 17:12

Instrument :
MSVOA_X
ClientSampleId :
250709104-01 VOA

Tgt Ion:106 Resp: 24924

Ion	Ratio	Lower	Upper
106	100		
91	219.4	109.5	328.5

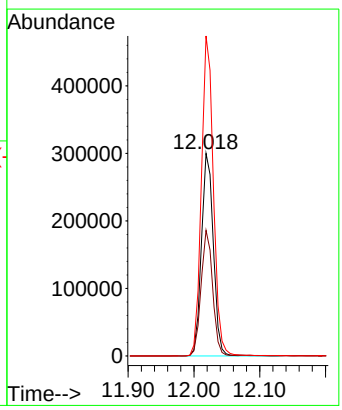


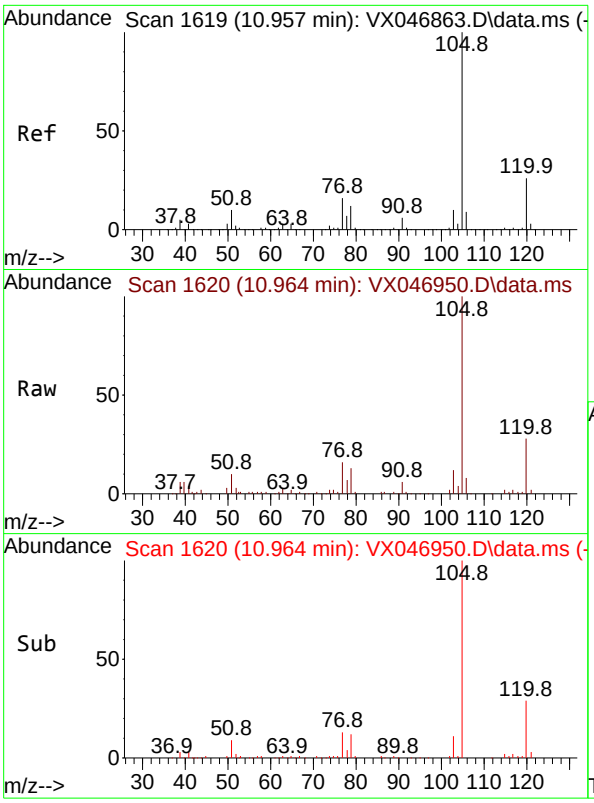


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046950.D
Acq: 10 Jul 2025 17:12

Tgt Ion:152 Resp: 377959

Ion	Ratio	Lower	Upper
152	100		
115	60.2	42.4	127.1
150	158.8	0.0	349.2



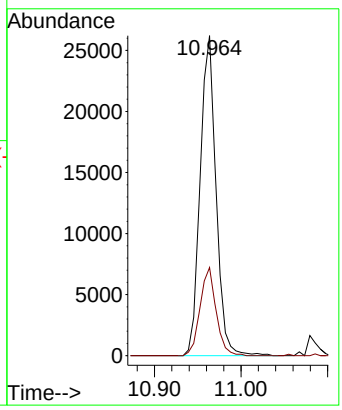


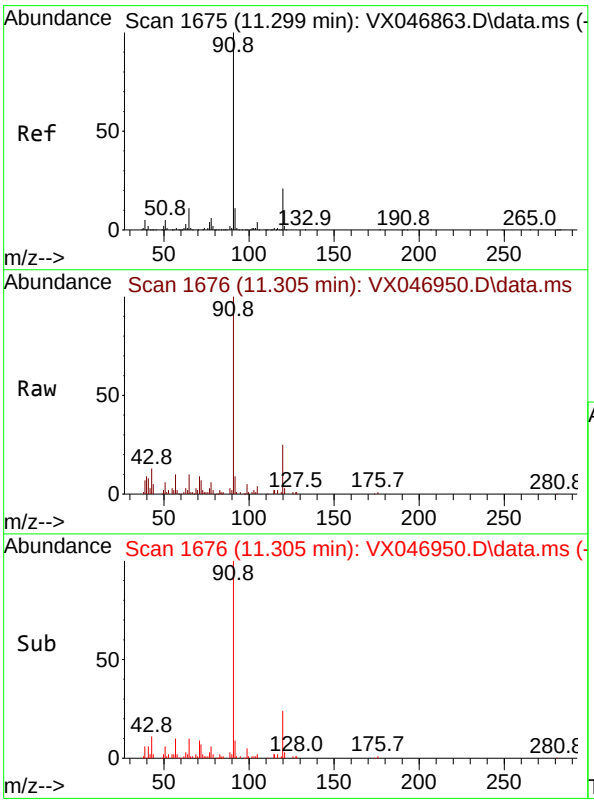
#73
Isopropylbenzene
Concen: 1.256 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046950.D
Acq: 10 Jul 2025 17:12

Instrument :
MSVOA_X
ClientSampleId :
250709104-01 VOA

Tgt Ion:105 Resp: 33365

Ion	Ratio	Lower	Upper
105	100		
120	27.9	13.2	39.5

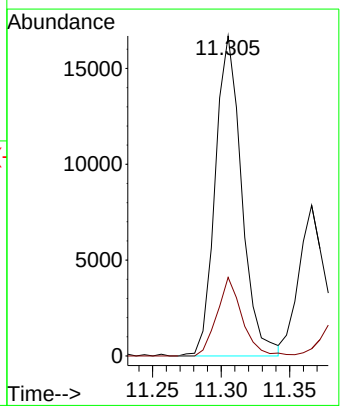


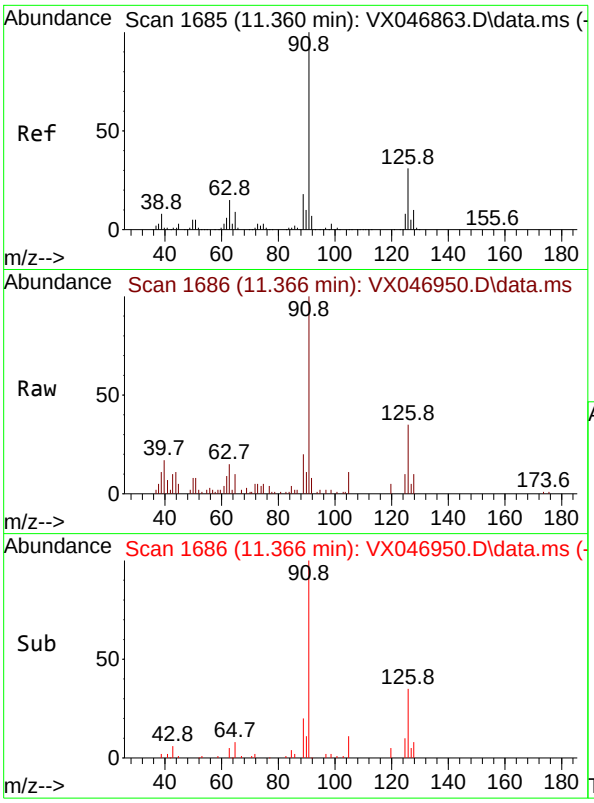


#78
n-propylbenzene
Concen: 0.700 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046950.D
Acq: 10 Jul 2025 17:12

Tgt Ion: 91 Resp: 22415

Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.2	33.5



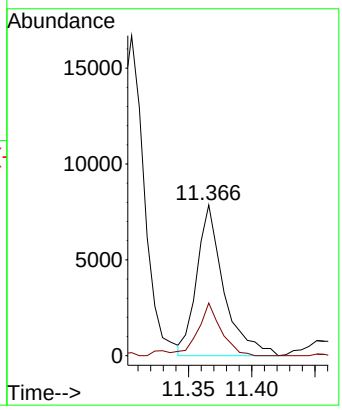


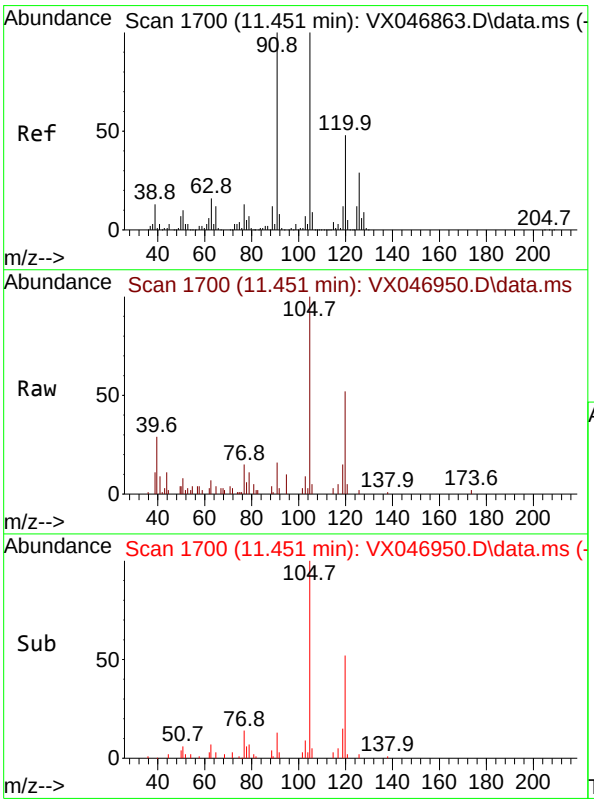
#79
2-Chlorotoluene
Concen: 0.618 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046950.D
Acq: 10 Jul 2025 17:12

Instrument :
MSVOA_X
ClientSampleId :
250709104-01 VOA

Tgt Ion: 91 Resp: 11698

Ion	Ratio	Lower	Upper
91	100		
126	29.6	16.6	49.8

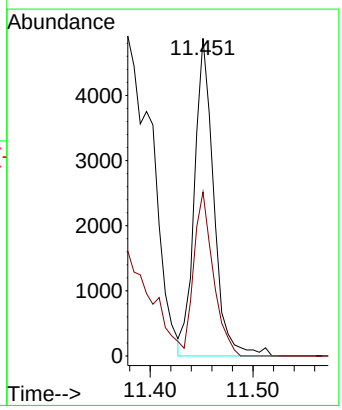


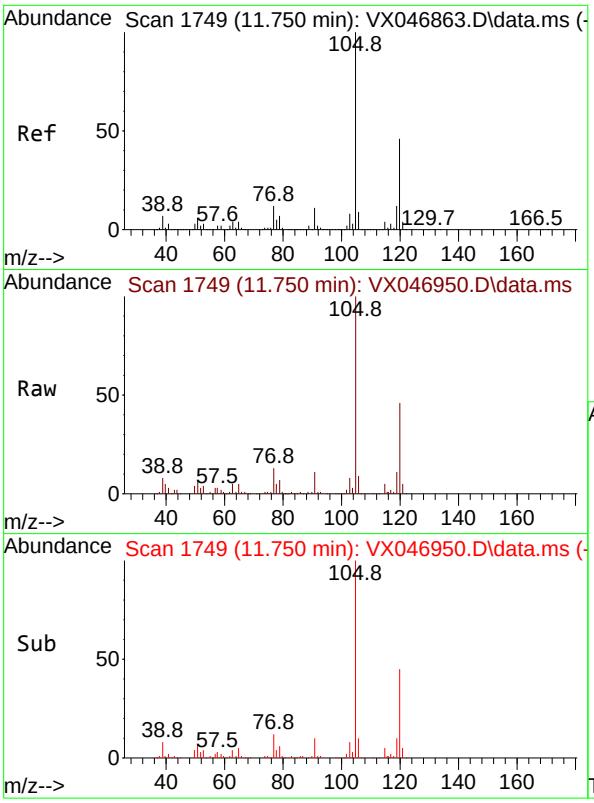


#80
1,3,5-Trimethylbenzene
Concen: 0.295 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046950.D
Acq: 10 Jul 2025 17:12

Tgt Ion:105 Resp: 6376

Ion	Ratio	Lower	Upper
105	100		
120	51.4	24.1	72.4



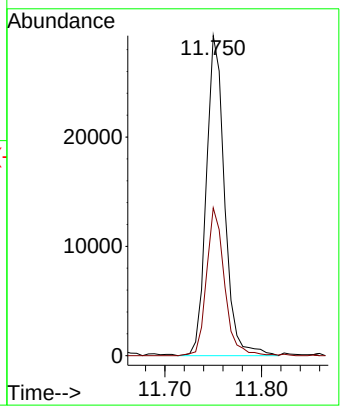


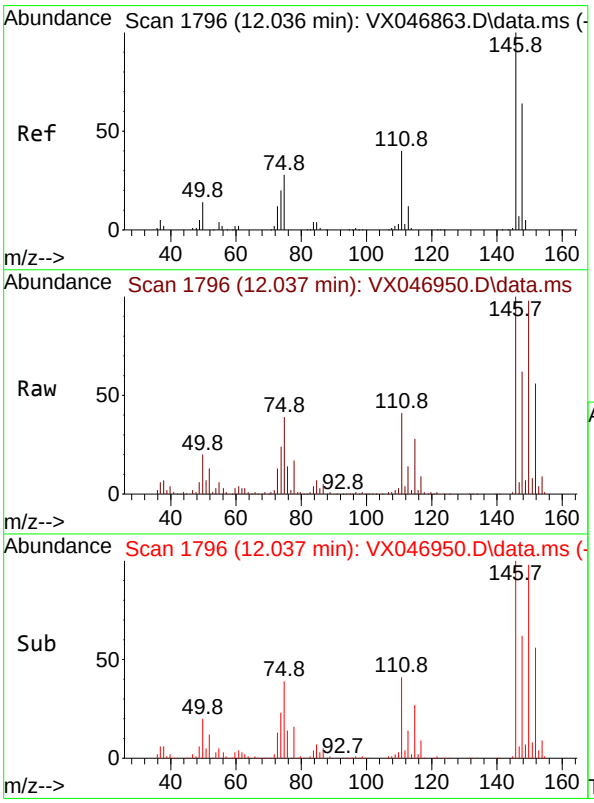
#84
1,2,4-Trimethylbenzene
Concen: 1.762 ug/l
RT: 11.750 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046950.D
Acq: 10 Jul 2025 17:12

Instrument :
MSVOA_X
ClientSampleId :
250709104-01 VOA

Tgt Ion:105 Resp: 38440

Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.3	69.8

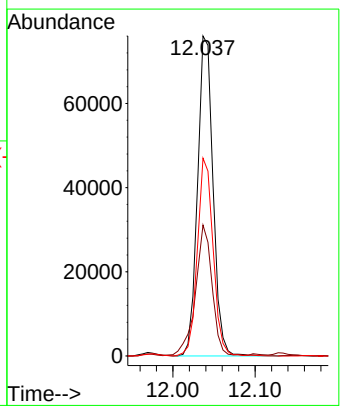


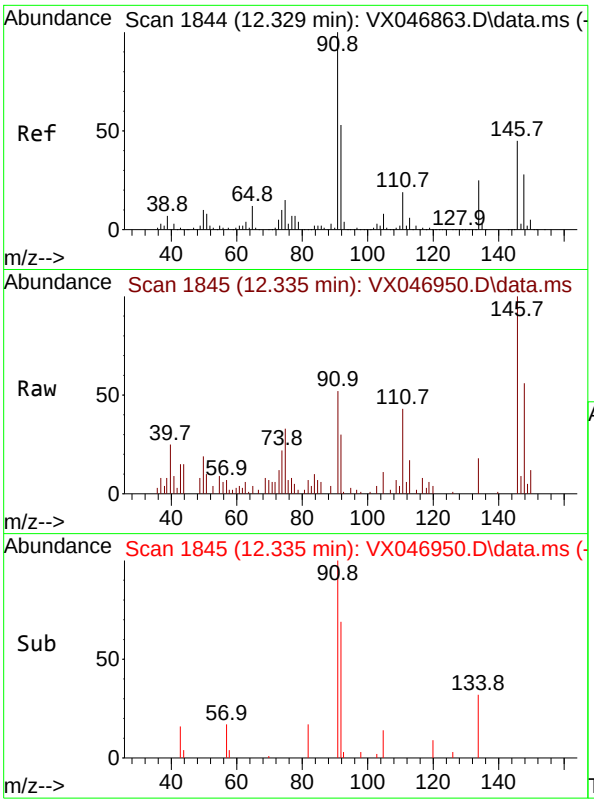


#88
1,4-Dichlorobenzene
Concen: 7.732 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046950.D
Acq: 10 Jul 2025 17:12

Tgt Ion:146 Resp: 99603

Ion	Ratio	Lower	Upper
146	100		
111	43.9	20.2	60.5
148	62.8	32.4	97.0



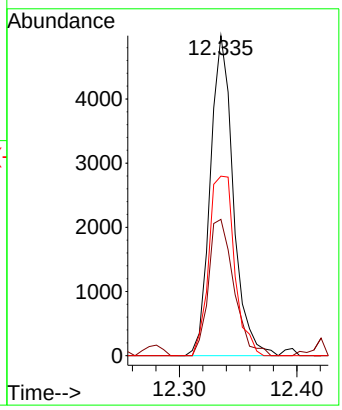


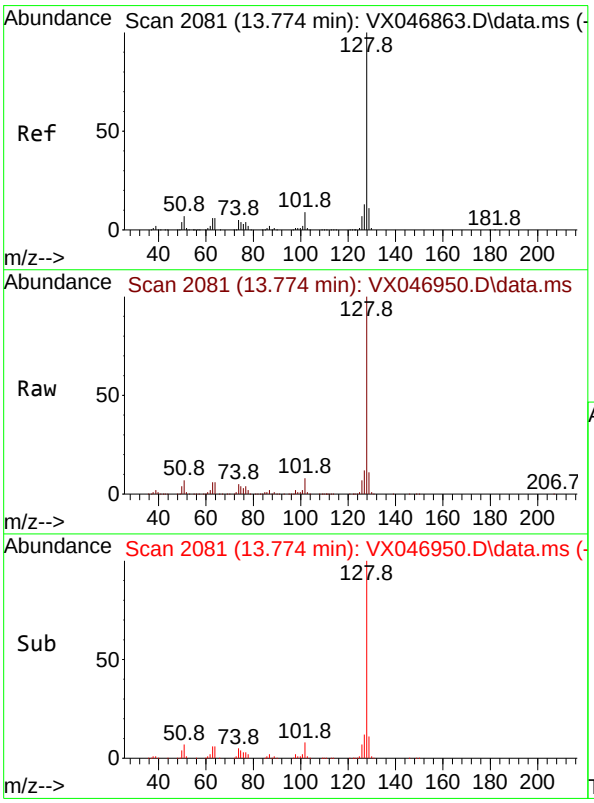
#91
1,2-Dichlorobenzene
Concen: 0.564 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046950.D
Acq: 10 Jul 2025 17:12

Instrument :
MSVOA_X
ClientSampleId :
250709104-01 VOA

Tgt Ion:146 Resp: 6759

Ion	Ratio	Lower	Upper
146	100		
111	47.2	21.1	63.1
148	63.1	31.6	95.0

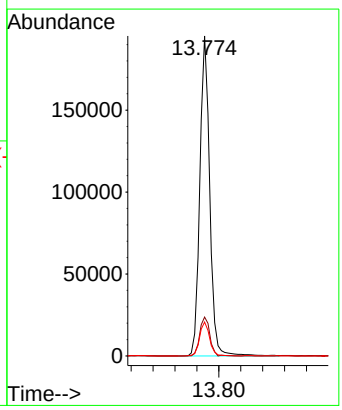




#95
Naphthalene
Concen: 11.396 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX046950.D
Acq: 10 Jul 2025 17:12

Tgt Ion:128 Resp: 244699

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.4
129	10.7	8.6	13.0



Sample Results: **VX046950.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046950.D
Acq On : 10 Jul 2025 17:12
Operator : JC/MD
Sample : Q2554-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250709104-01 VOA

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\82X070225W.M
Title : SW846 8260

Signal : TIC: VX046950.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.191	15	17	28	rVB	43279	61666	2.01%	0.317%
2	1.374	42	47	55	rVB2	44631	65088	2.12%	0.335%
3	2.148	168	174	186	rBV	87288	152863	4.99%	0.787%
4	2.404	209	216	233	rBV2	40984	90601	2.96%	0.466%
5	2.953	299	306	321	rBV	69758	171010	5.58%	0.880%
6	4.562	557	570	586	rBV2	113432	425278	13.87%	2.189%
7	5.013	634	644	669	rBV	215342	754881	24.63%	3.886%
8	5.398	694	707	724	rBV3	268465	854514	27.88%	4.399%
9	5.562	724	734	758	rVB	439803	1357823	44.30%	6.990%
10	5.964	790	800	809	rBV	299701	823470	26.86%	4.239%
11	6.769	922	932	953	rBV	732261	1865061	60.84%	9.601%
12	8.647	1233	1240	1249	rBV	1526348	2552664	83.28%	13.141%
13	8.720	1249	1252	1261	rVV2	30897	60003	1.96%	0.309%
14	9.379	1354	1360	1367	rBV	27460	42757	1.39%	0.220%
15	9.494	1374	1379	1385	rBV	22848	35692	1.16%	0.184%
16	10.055	1462	1471	1486	rBV2	1658375	3065320	100.00%	15.781%
17	10.195	1489	1494	1500	rBV	121665	174238	5.68%	0.897%
18	10.299	1506	1511	1520	rVB	135868	202934	6.62%	1.045%
19	10.640	1563	1567	1576	rVB	113767	151851	4.95%	0.782%
20	10.964	1614	1620	1625	rBV	67016	88529	2.89%	0.456%
21	11.079	1634	1639	1646	rBV	1387369	1768345	57.69%	9.104%
22	11.305	1668	1676	1682	rBV	45138	70999	2.32%	0.366%
23	11.366	1682	1686	1696	rVV2	27637	67040	2.19%	0.345%
24	11.610	1722	1726	1737	rVB	74951	107068	3.49%	0.551%
25	11.750	1738	1749	1754	rBV	84852	122094	3.98%	0.629%
26	11.884	1765	1771	1779	rVB	63912	88424	2.88%	0.455%
27	12.018	1787	1793	1801	rBV2	1872143	2689347	87.73%	13.845%
28	12.085	1801	1804	1809	rVB	49020	64570	2.11%	0.332%
29	12.244	1824	1830	1835	rBV2	130354	182732	5.96%	0.941%
30	12.335	1839	1845	1851	rVB5	31921	65613	2.14%	0.338%
31	12.408	1853	1857	1863	rBV7	18557	36709	1.20%	0.189%
32	12.530	1872	1877	1886	rVB4	17199	40289	1.31%	0.207%
33	12.610	1886	1890	1894	rBV	44191	53439	1.74%	0.275%
34	12.695	1901	1904	1912	rVB2	21289	35916	1.17%	0.185%
35	12.902	1934	1938	1944	rVV2	42155	92330	3.01%	0.475%
36	12.963	1944	1948	1953	rVB4	21723	32269	1.05%	0.166%

Sample Results: **VX046950.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046950.D
Acq On : 10 Jul 2025 17:12
Operator : JC/MD
Sample : Q2554-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250709104-01 VOA

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\82X070225W.M
Title : SW846 8260

37	13.286	1996	2001	2006	rBV2	52717	74505	2.43%	0.384%
38	13.420	2018	2023	2027	rBV4	27806	38211	1.25%	0.197%
39	13.469	2027	2031	2034	rVV2	35888	48417	1.58%	0.249%
40	13.512	2034	2038	2045	rVB4	33696	55310	1.80%	0.285%
41	13.774	2075	2081	2089	rBV	396814	498105	16.25%	2.564%
42	13.926	2102	2106	2121	rVB	16226	42540	1.39%	0.219%
43	14.640	2219	2223	2225	rBV	29036	38700	1.26%	0.199%
44	14.780	2241	2246	2256	rVB	49545	72976	2.38%	0.376%
45	16.322	2492	2499	2510	rVB3	21073	42525	1.39%	0.219%

Sum of corrected areas: 19424716

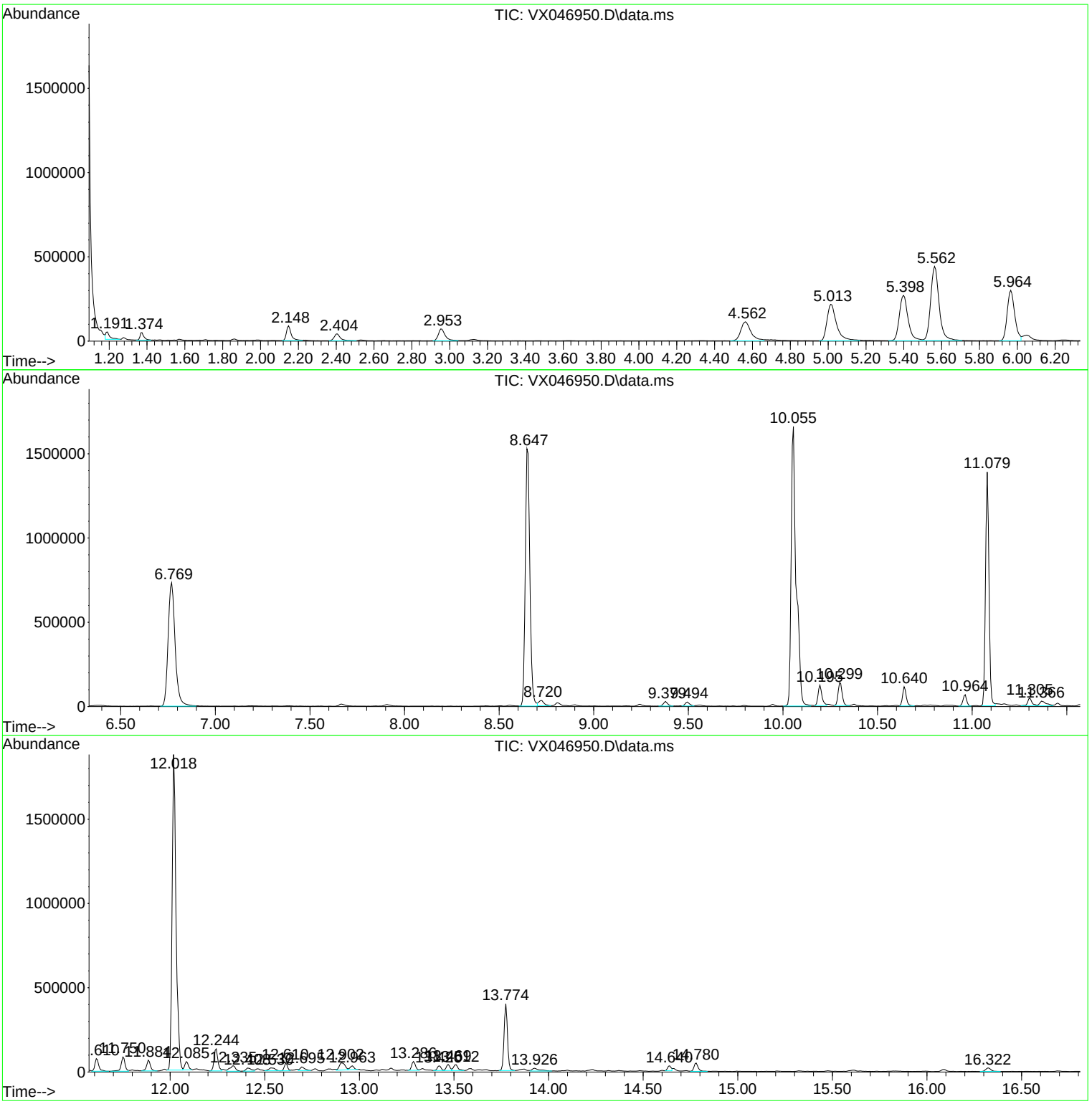
Sample Results: **VX046950.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046950.D
Acq On : 10 Jul 2025 17:12
Operator : JC/MD
Sample : Q2554-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250709104-01 VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX046950.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046950.D
Acq On : 10 Jul 2025 17:12
Operator : JC/MD
Sample : Q2554-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250709104-01 VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.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\VX071025\
Data File : VX046950.D
Acq On : 10 Jul 2025 17:12
Operator : JC/MD
Sample : Q2554-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250709104-01 VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.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: **VX046942.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	07/09/25
Project:	Waste Water 2025	Date Received:	07/10/25
Client Sample ID:	250709059-11 Trip blank	SDG No.:	Q2554
Lab Sample ID:	Q2554-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046942.D	1	07/10/25 14:21	VX071025

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

Raw Data: **VX046942.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	07/09/25
Project:	Waste Water 2025	Date Received:	07/10/25
Client Sample ID:	250709059-11 Trip blank	SDG No.:	Q2554
Lab Sample ID:	Q2554-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046942.D	1	07/10/25 14:21	VX071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	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	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.5		74 - 125	109%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		75 - 124	99%	SPK: 50
2037-26-5	Toluene-d8	50.2		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		77 - 121	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	339000	5.562			
540-36-3	1,4-Difluorobenzene	601000	6.769			
3114-55-4	Chlorobenzene-d5	555000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	279000	12.018			

Raw Data: **VX046942.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	07/09/25
Project:	Waste Water 2025	Date Received:	07/10/25
Client Sample ID:	250709059-11 Trip blank	SDG No.:	Q2554
Lab Sample ID:	Q2554-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046942.D	1	07/10/25 14:21	VX071025

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\VX071025\
Data File : VX046942.D
Acq On : 10 Jul 2025 14:21
Operator : JC/MD
Sample : Q2554-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250709059-11 Trip blank

Quant Time: Jul 11 01:30:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	339396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	600517	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	555080	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	279121	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	244408	54.510	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.020%			
35) Dibromofluoromethane	5.397	113	201406	49.409	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.820%			
50) Toluene-d8	8.653	98	722653	50.247	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.500%			
62) 4-Bromofluorobenzene	11.079	95	275498	50.402	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.800%			

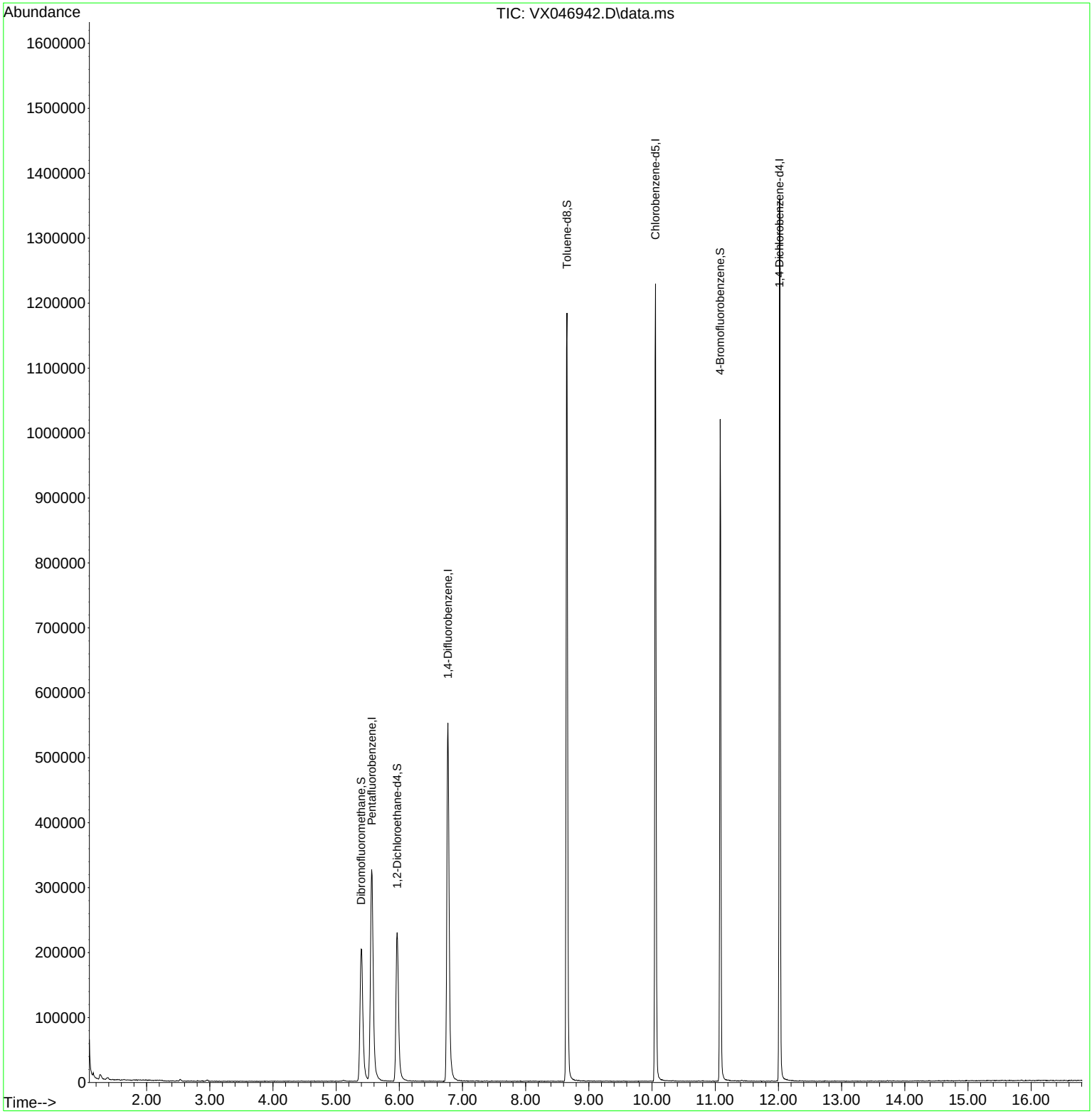
Target Compounds Qvalue

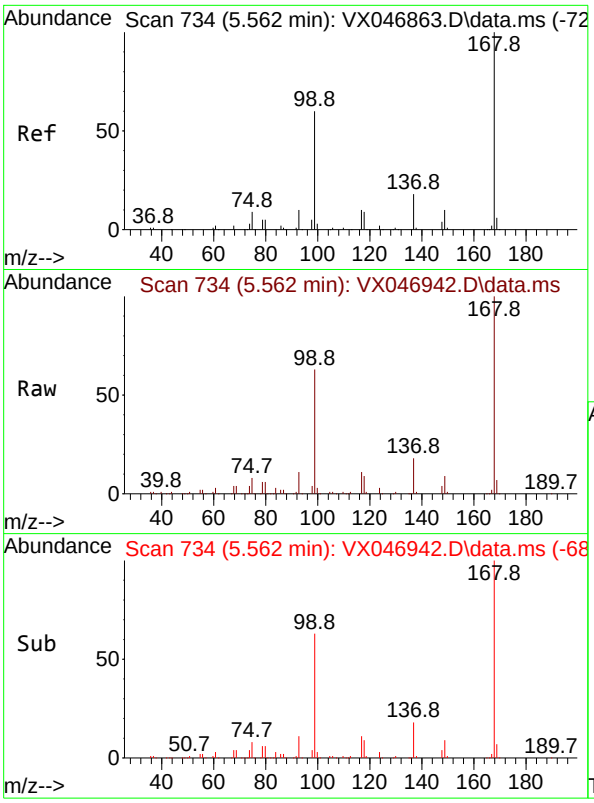
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046942.D
Acq On : 10 Jul 2025 14:21
Operator : JC/MD
Sample : Q2554-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250709059-11 Trip blank

Quant Time: Jul 11 01:30:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration



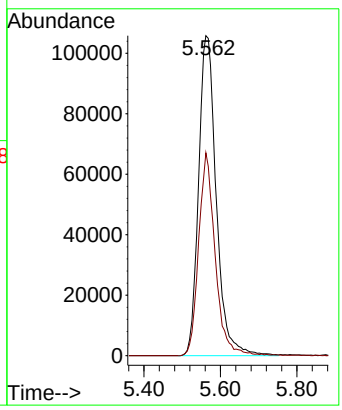


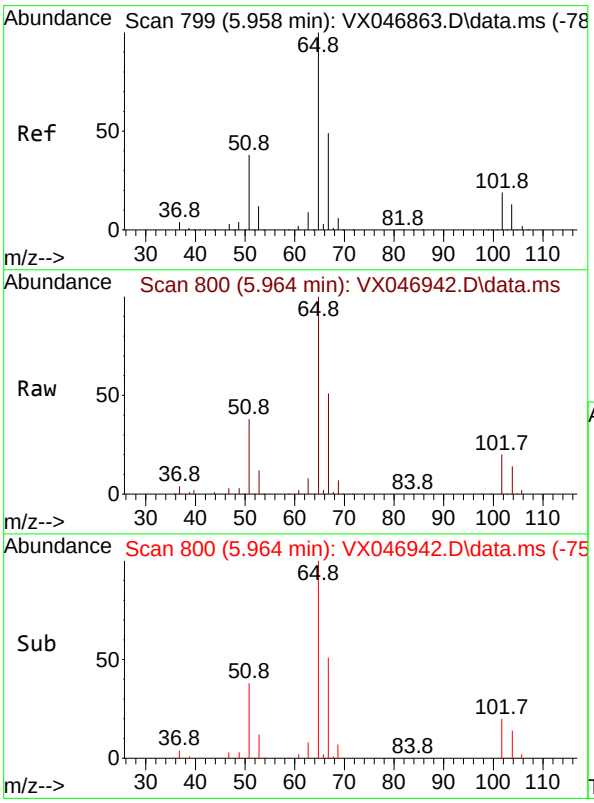
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046942.D
Acq: 10 Jul 2025 14:21

Instrument :
MSVOA_X
ClientSampleId :
250709059-11 Trip blank

Tgt Ion:168 Resp: 339396

Ion	Ratio	Lower	Upper
168	100		
99	63.4	48.8	73.2

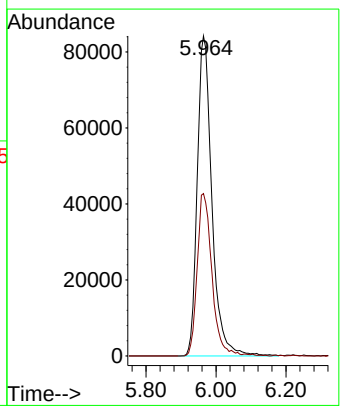


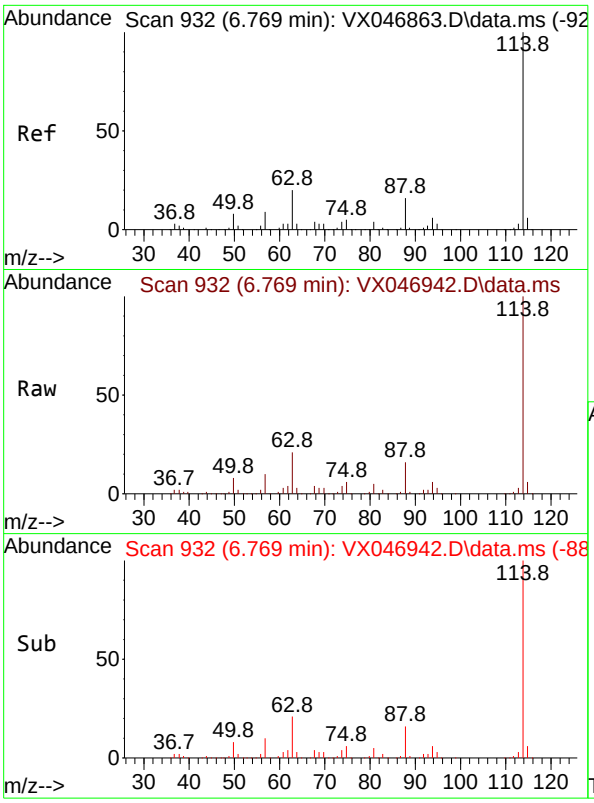


#33
1,2-Dichloroethane-d4
Concen: 54.510 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX046942.D
Acq: 10 Jul 2025 14:21

Tgt Ion: 65 Resp: 244408

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	105.2



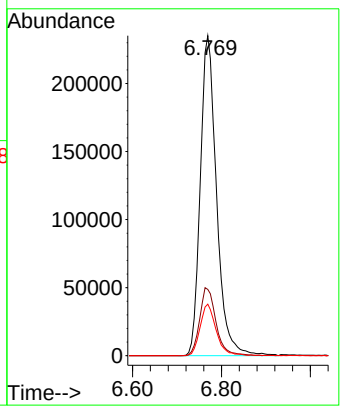


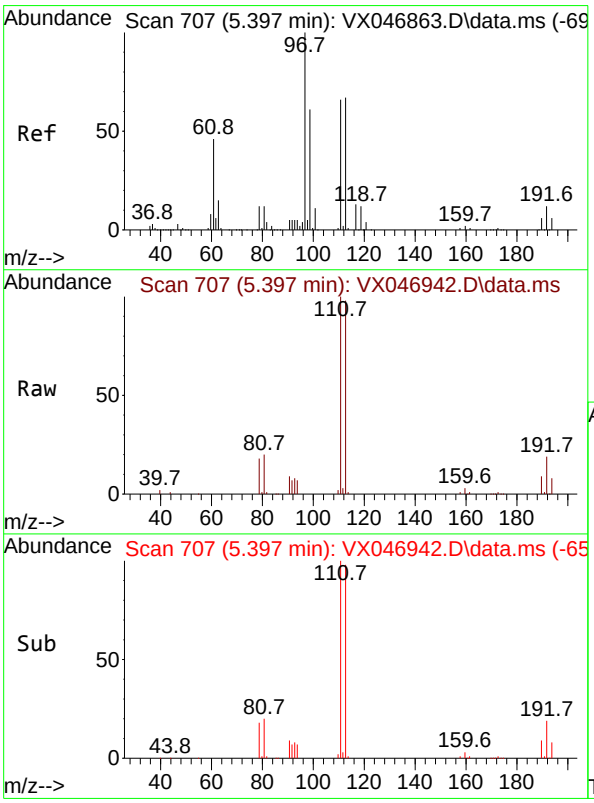
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046942.D
Acq: 10 Jul 2025 14:21

Instrument :
MSVOA_X
ClientSampleId :
250709059-11 Trip blank

Tgt Ion:114 Resp: 600517

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	40.4
88	16.1	0.0	31.0

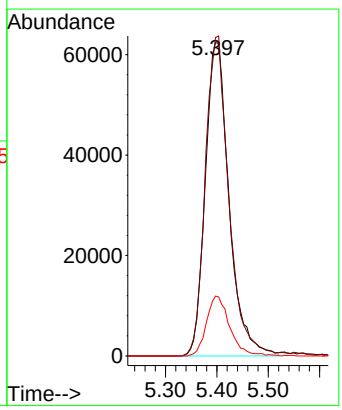


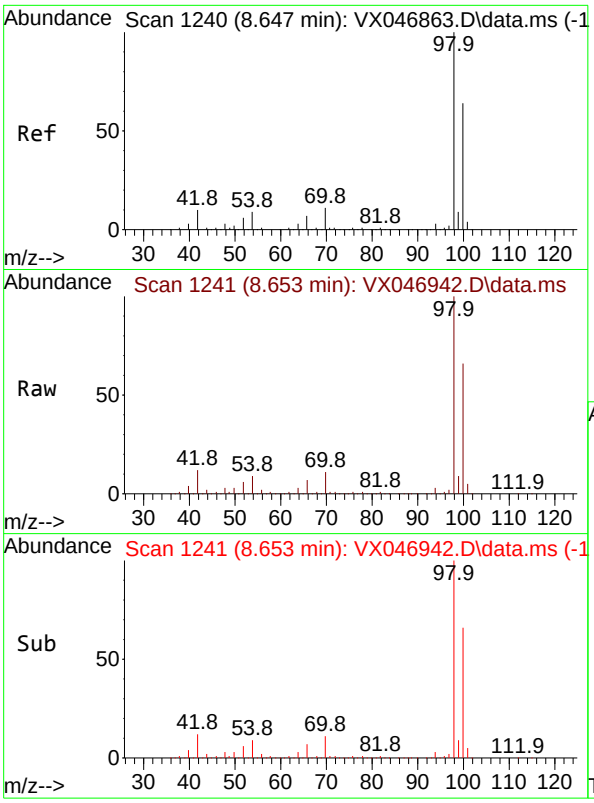


#35
Dibromofluoromethane
Concen: 49.409 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046942.D
Acq: 10 Jul 2025 14:21

Tgt Ion:113 Resp: 201406

Ion	Ratio	Lower	Upper
113	100		
111	100.4	81.2	121.8
192	18.6	15.3	22.9



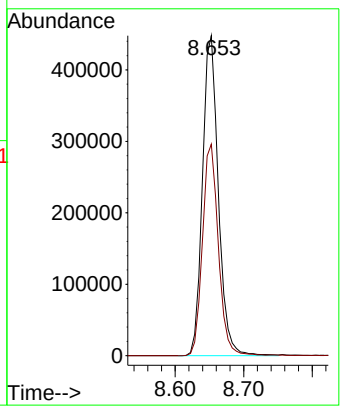


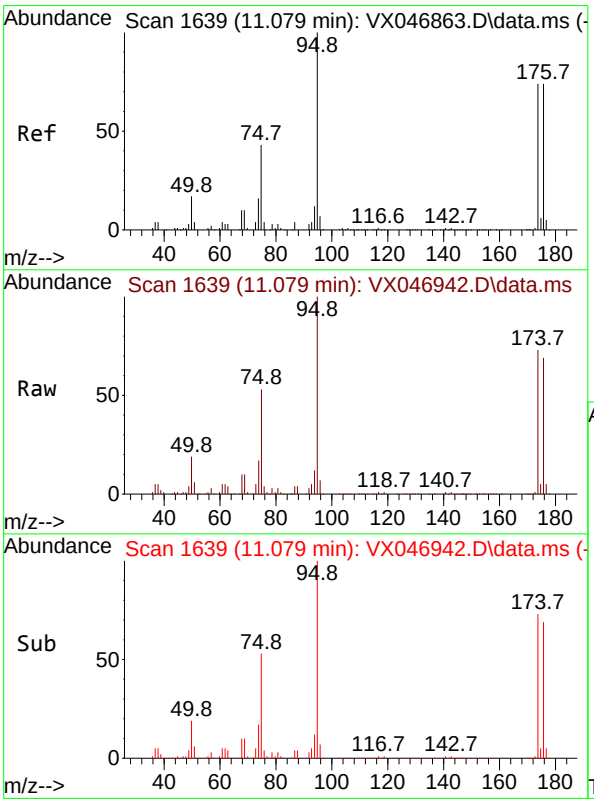
#50
Toluene-d8
Concen: 50.247 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046942.D
Acq: 10 Jul 2025 14:21

Instrument :
MSVOA_X
ClientSampleId :
250709059-11 Trip blank

Tgt Ion: 98 Resp: 722653

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.6

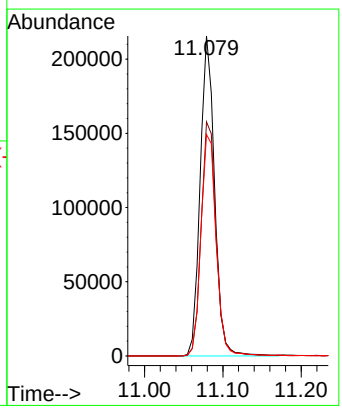


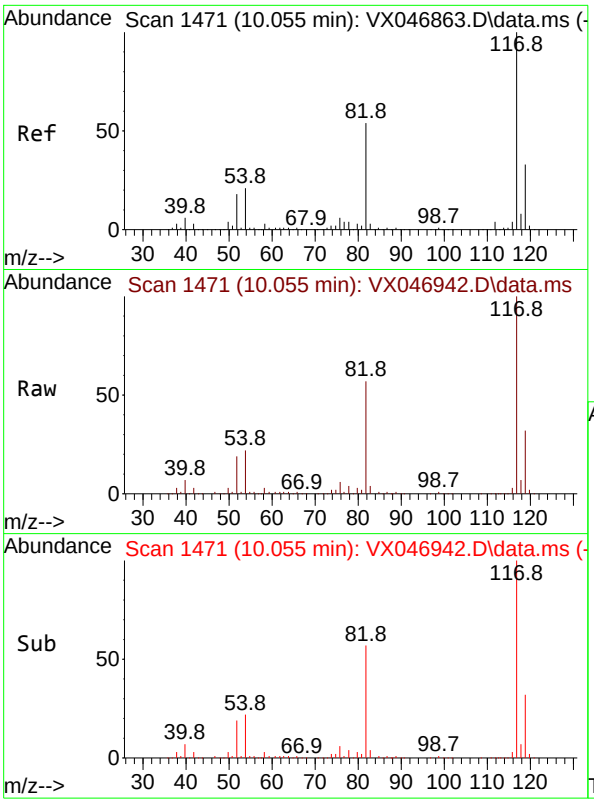


#62
4-Bromofluorobenzene
Concen: 50.402 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046942.D
Acq: 10 Jul 2025 14:21

Tgt Ion: 95 Resp: 275498

Ion	Ratio	Lower	Upper
95	100		
174	75.8	0.0	152.0
176	72.9	0.0	145.2



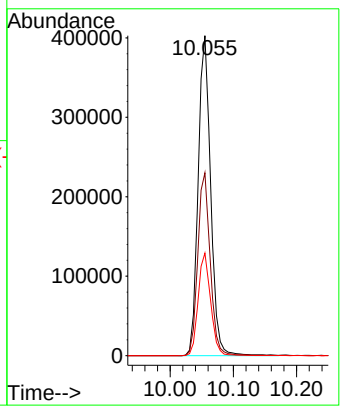


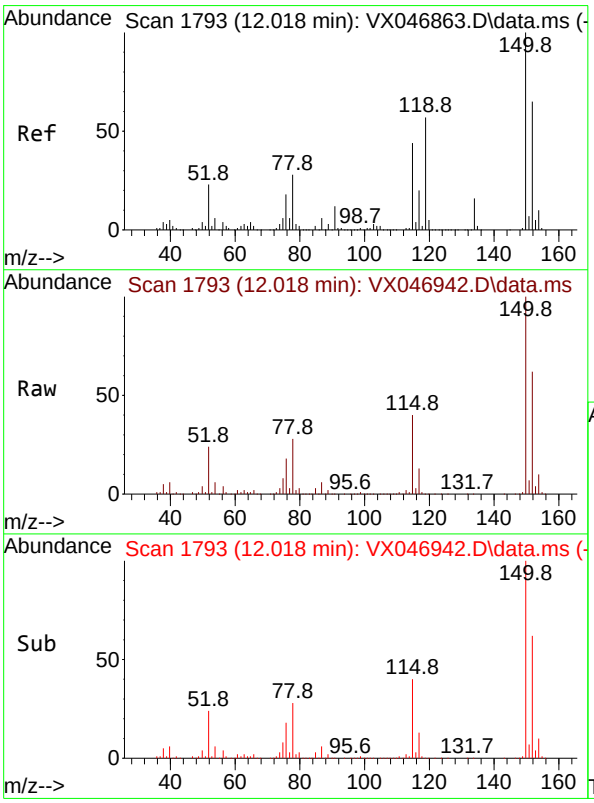
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046942.D
Acq: 10 Jul 2025 14:21

Instrument :
MSVOA_X
ClientSampleId :
250709059-11 Trip blank

Tgt Ion:117 Resp: 555080

Ion	Ratio	Lower	Upper
117	100		
82	57.1	43.3	64.9
119	32.0	26.4	39.6

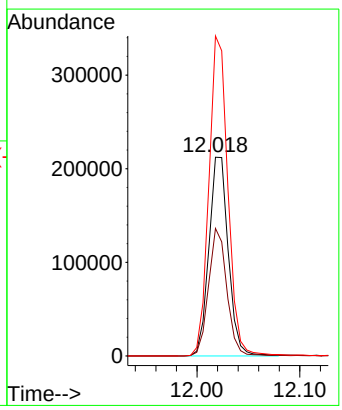




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046942.D
Acq: 10 Jul 2025 14:21

Tgt Ion:152 Resp: 279121

Ion	Ratio	Lower	Upper
152	100		
115	61.0	42.4	127.1
150	157.8	0.0	349.2



Sample Results: **VX046942.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046942.D
Acq On : 10 Jul 2025 14:21
Operator : JC/MD
Sample : Q2554-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250709059-11 Trip blank

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\82X070225W.M
Title : SW846 8260

Signal : TIC: VX046942.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.397	695	707	724	rBV2	203408	654111	33.75%	6.268%
2	5.562	724	734	760	rVB	324762	1020078	52.63%	9.775%
3	5.964	791	800	821	rBV	228883	664247	34.27%	6.365%
4	6.769	922	932	950	rBV	551767	1405761	72.53%	13.471%
5	8.653	1233	1241	1257	rBV	1183166	1938131	100.00%	18.573%
6	10.055	1465	1471	1487	rBV	1228058	1718233	88.65%	16.465%
7	11.079	1634	1639	1653	rBV	1019092	1318763	68.04%	12.637%
8	12.018	1788	1793	1805	rBV	1358388	1716076	88.54%	16.445%

Sum of corrected areas: 10435400

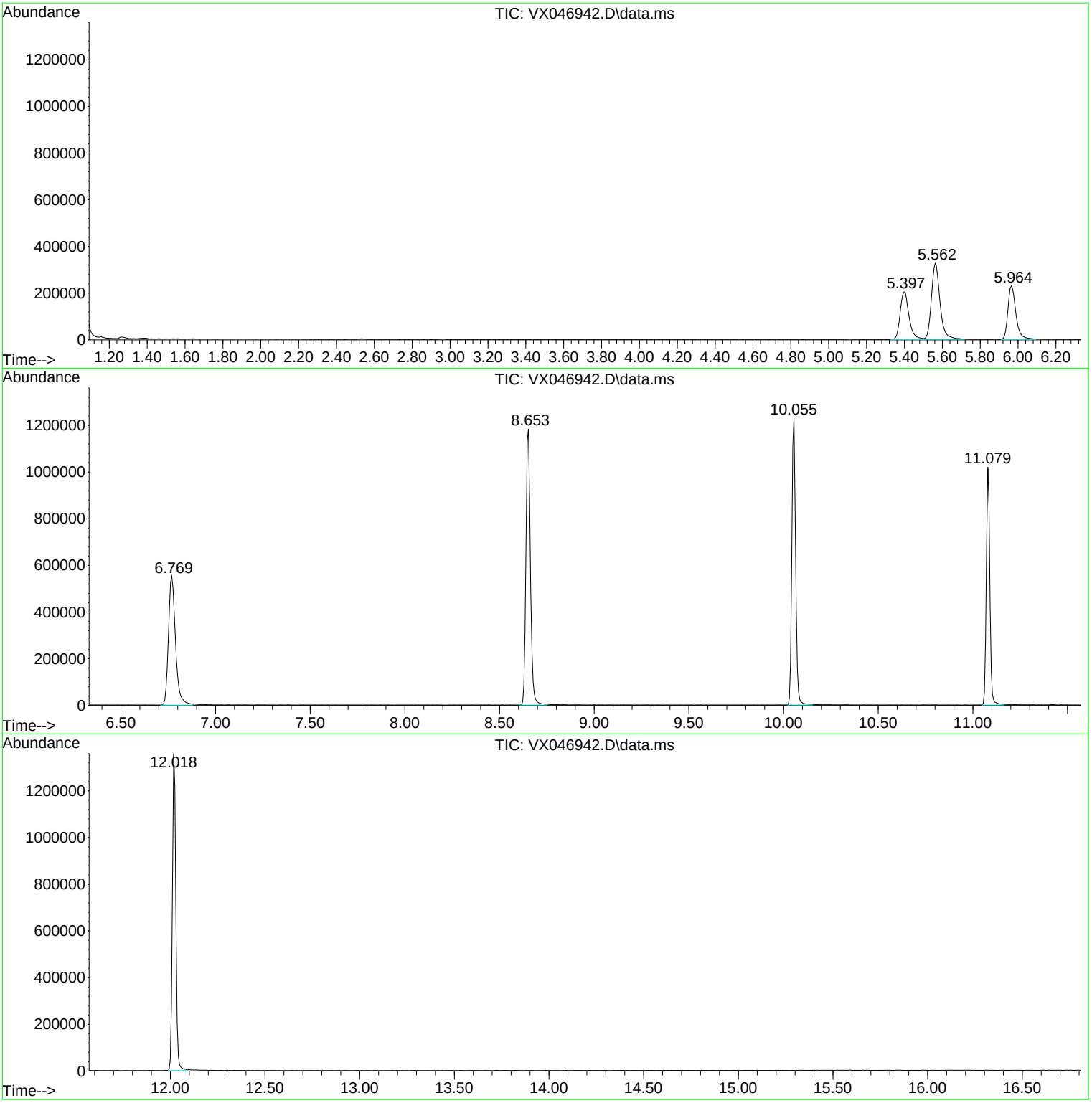
Sample Results: **VX046942.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046942.D
Acq On : 10 Jul 2025 14:21
Operator : JC/MD
Sample : Q2554-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250709059-11 Trip blank

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX046942.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046942.D
Acq On : 10 Jul 2025 14:21
Operator : JC/MD
Sample : Q2554-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250709059-11 Trip blank

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Sample Results: **VX046942.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046942.D
Acq On : 10 Jul 2025 14:21
Operator : JC/MD
Sample : Q2554-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250709059-11 Trip blank

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

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

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

CALIBRATION SUMMARY

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GARD04

Lab Code: ACE SDG No.: Q2554

Instrument ID: MSVOA_X Calibration Date(s): 07/02/2025 07/02/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:11 14:31

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

LAB FILE ID: RRF001 = VX046860.D RRF005 = VX046861.D RRF020 = VX046862.D
RRF050 = VX046863.D RRF100 = VX046864.D RRF150 = VX046865.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.445	0.433	0.512	0.487	0.503	0.490	0.478	6.7
Chloromethane	0.505	0.507	0.541	0.508	0.543	0.530	0.522	3.4
Vinyl Chloride	0.568	0.549	0.591	0.550	0.589	0.566	0.569	3.2
Bromomethane		0.402	0.402	0.360	0.369	0.295	0.366	12
Chloroethane	0.443	0.365	0.383	0.347	0.362	0.354	0.376	9.4
Trichlorofluoromethane	0.847	0.874	0.921	0.857	0.893	0.885	0.880	3
1,1,2-Trichlorotrifluoroethane	0.527	0.571	0.583	0.548	0.572	0.562	0.561	3.6
1,1-Dichloroethene	0.543	0.555	0.546	0.524	0.546	0.540	0.542	1.9
Acetone	0.236	0.210	0.195	0.193	0.197	0.200	0.205	7.9
Carbon Disulfide	1.585	1.425	1.405	1.342	1.398	1.376	1.422	6
Methyl tert-butyl Ether	1.447	1.470	1.540	1.528	1.587	1.615	1.531	4.2
Methyl Acetate	0.488	0.474	0.560	0.553	0.570	0.599	0.541	9.1
Methylene Chloride	0.623	0.625	0.624	0.585	0.596	0.588	0.607	3.1
trans-1,2-Dichloroethene	0.552	0.564	0.575	0.541	0.551	0.545	0.555	2.3
1,1-Dichloroethane	1.080	1.084	1.074	1.039	1.055	1.050	1.064	1.7
Cyclohexane		0.973	0.977	0.918	0.926	0.927	0.944	3
2-Butanone	0.260	0.270	0.275	0.275	0.276	0.286	0.274	3.1
Carbon Tetrachloride	0.471	0.505	0.495	0.476	0.480	0.478	0.484	2.7
cis-1,2-Dichloroethene	0.711	0.669	0.688	0.660	0.670	0.666	0.677	2.8
Bromochloromethane	0.529	0.543	0.524	0.528	0.516	0.508	0.525	2.3
Chloroform	1.150	1.106	1.112	1.048	1.052	1.050	1.087	3.9
1,1,1-Trichloroethane	0.944	0.897	0.908	0.886	0.901	0.910	0.908	2.2
Methylcyclohexane	0.539	0.588	0.589	0.567	0.578	0.576	0.573	3.2
Benzene	1.391	1.445	1.452	1.356	1.342	1.324	1.385	3.9
1,2-Dichloroethane	0.499	0.477	0.487	0.460	0.453	0.446	0.470	4.4
Trichloroethene	0.386	0.377	0.365	0.344	0.347	0.344	0.361	5
1,2-Dichloropropane	0.364	0.340	0.362	0.346	0.345	0.342	0.350	3
Bromodichloromethane	0.538	0.508	0.535	0.510	0.508	0.507	0.518	2.9
4-Methyl-2-Pentanone	0.330	0.340	0.368	0.366	0.353	0.357	0.353	4.3
Toluene	0.855	0.894	0.906	0.841	0.831	0.823	0.858	3.9

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

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GARD04

Lab Code: ACE SDG No.: Q2554

Instrument ID: MSVOA_X Calibration Date(s): 07/02/2025 07/02/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:11 14:31

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

LAB FILE ID: RRF001 = VX046860.D RRF005 = VX046861.D RRF020 = VX046862.D
RRF050 = VX046863.D RRF100 = VX046864.D RRF150 = VX046865.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.408	0.431	0.467	0.472	0.490	0.504	0.462	7.8
cis-1,3-Dichloropropene	0.496	0.499	0.532	0.533	0.549	0.554	0.527	4.7
1,1,2-Trichloroethane	0.325	0.329	0.328	0.318	0.310	0.308	0.320	2.8
2-Hexanone	0.205	0.227	0.245	0.247	0.238	0.242	0.234	6.8
Dibromochloromethane	0.383	0.390	0.393	0.377	0.376	0.377	0.383	1.9
1,2-Dibromoethane	0.323	0.317	0.332	0.320	0.317	0.317	0.321	1.8
Tetrachloroethene	0.353	0.346	0.345	0.315	0.320	0.318	0.333	5.1
Chlorobenzene	1.111	1.117	1.113	1.049	1.051	1.045	1.081	3.3
Ethyl Benzene	1.810	1.868	1.929	1.830	1.846	1.824	1.851	2.3
m/p-Xylenes	0.702	0.710	0.731	0.688	0.683	0.672	0.698	3.1
o-Xylene	0.676	0.677	0.703	0.665	0.663	0.660	0.674	2.4
Styrene	1.070	1.152	1.228	1.175	1.157	1.134	1.153	4.5
Bromoform	0.269	0.261	0.273	0.269	0.275	0.275	0.270	1.9
Isopropylbenzene	3.267	3.428	3.611	3.601	3.592	3.590	3.515	4
1,1,2,2-Tetrachloroethane	1.000	0.948	0.981	0.963	0.939	0.968	0.966	2.3
1,3-Dichlorobenzene	1.615	1.664	1.673	1.627	1.625	1.619	1.637	1.5
1,4-Dichlorobenzene	1.852	1.776	1.711	1.632	1.622	1.632	1.704	5.5
1,2-Dichlorobenzene	1.626	1.592	1.625	1.568	1.560	1.550	1.587	2.1
1,2-Dibromo-3-Chloropropane	0.158	0.151	0.164	0.171	0.178	0.192	0.169	8.7
1,2,4-Trichlorobenzene	1.016	1.020	1.078	1.087	1.121	1.145	1.078	4.9
1,2,3-Trichlorobenzene	0.900	0.965	1.033	1.045	1.069	1.099	1.019	7.2
1,2-Dichloroethane-d4		0.722	0.652	0.647	0.641	0.640	0.661	5.3
Dibromofluoromethane		0.355	0.346	0.339	0.332	0.325	0.339	3.5
Toluene-d8		1.278	1.220	1.195	1.160	1.135	1.197	4.6
4-Bromofluorobenzene		0.493	0.469	0.455	0.433	0.426	0.455	6

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

Response Factor Report MSVOA_X2

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X070225W.M
Title : SW846 8260
Last Update : Thu Jul 03 05:51:11 2025
Response Via : Initial Calibration

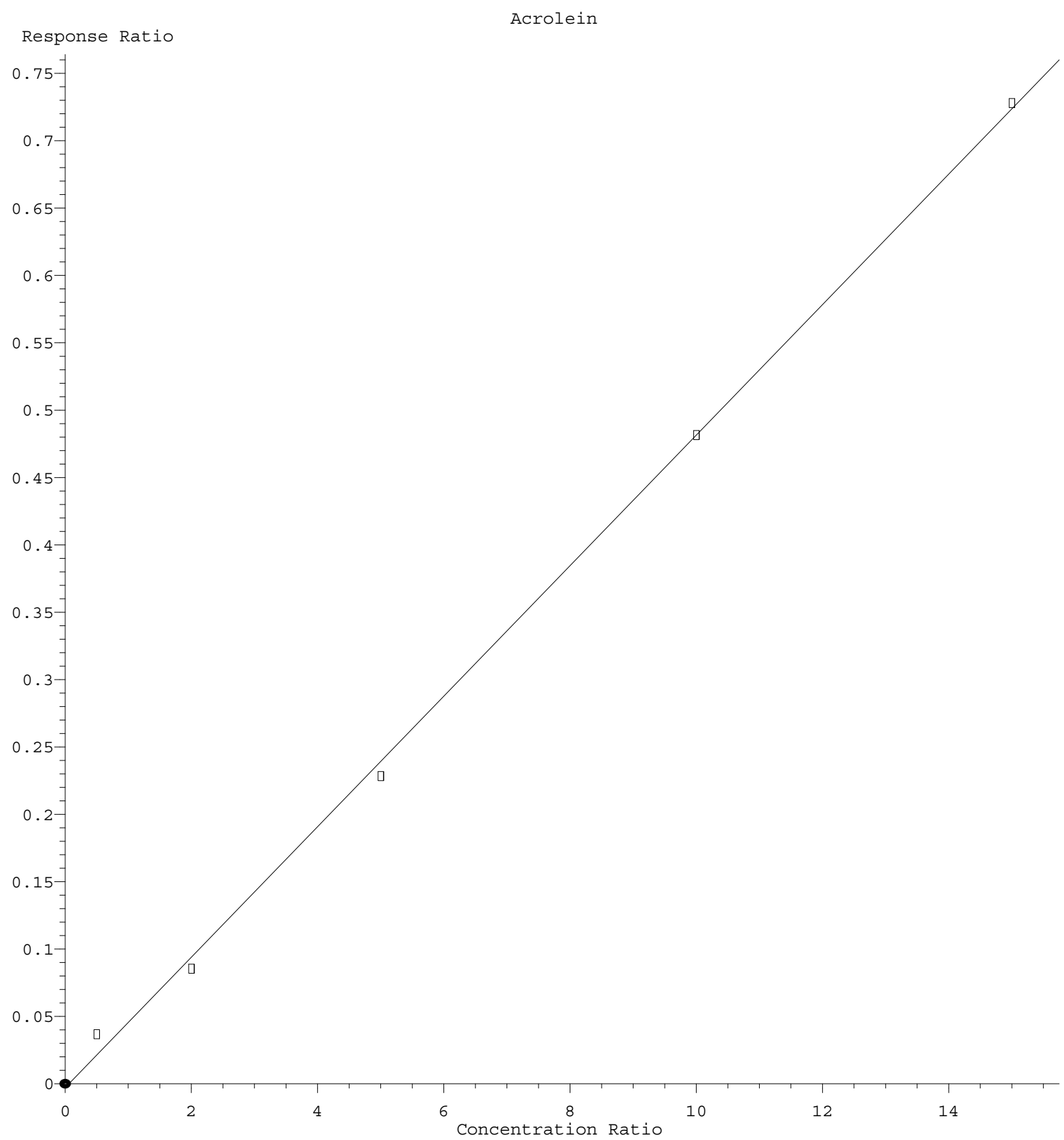
Calibration Files
1 =VX046860.D 5 =VX046861.D 20 =VX046862.D 50 =VX046863.D 100 =VX046864.D 150 =VX046865.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.445	0.433	0.512	0.487	0.503	0.490	0.478	6.67
3)	P	Chloromethane	0.505	0.507	0.541	0.508	0.543	0.530	0.522	3.38
4)	C	Vinyl Chloride	0.568	0.549	0.591	0.550	0.589	0.566	0.569	3.19#
5)	T	Bromomethane		0.402	0.402	0.360	0.369	0.295	0.366	12.04
6)	T	Chloroethane	0.443	0.365	0.383	0.347	0.362	0.354	0.376	9.38
7)	T	Trichlorofluor...	0.847	0.874	0.921	0.857	0.893	0.885	0.880	3.02
8)	T	Diethyl Ether	0.315	0.308	0.316	0.304	0.317	0.317	0.313	1.78
9)	T	1,1,2-Trichlor...	0.527	0.571	0.583	0.548	0.572	0.562	0.561	3.58
10)	T	Methyl Iodide		0.465	0.581	0.631	0.681	0.696	0.611	15.27
11)	T	Tert butyl alc...		0.044	0.042	0.042	0.043	0.045	0.043	3.54
12)	CM	1,1-Dichloroet...	0.543	0.555	0.546	0.524	0.546	0.540	0.542	1.85#
13)	T	Acrolein		0.074	0.043	0.046	0.048	0.049	0.052	24.05
14)	T	Allyl chloride	0.975	0.939	0.963	0.943	0.988	0.983	0.965	2.12
15)	T	Acrylonitrile	0.266	0.238	0.249	0.246	0.250	0.254	0.250	3.81
16)	T	Acetone	0.236	0.210	0.195	0.193	0.197	0.200	0.205	7.90
17)	T	Carbon Disulfide	1.585	1.425	1.405	1.342	1.398	1.376	1.422	5.98
18)	T	Methyl Acetate	0.488	0.474	0.560	0.553	0.570	0.599	0.541	9.08
19)	T	Methyl tert-bu...	1.447	1.470	1.540	1.528	1.587	1.615	1.531	4.25
20)	T	Methylene Chlo...	0.623	0.625	0.624	0.585	0.596	0.588	0.607	3.14
21)	T	trans-1,2-Dich...	0.552	0.564	0.575	0.541	0.551	0.545	0.555	2.31
22)	T	Diisopropyl ether	1.666	1.831	1.967	1.905	1.927	1.893	1.865	5.75
23)	T	Vinyl Acetate	1.255	1.341	1.423	1.423	1.465	1.475	1.397	6.02
24)	P	1,1-Dichloroet...	1.080	1.084	1.074	1.039	1.055	1.050	1.064	1.71
25)	T	2-Butanone	0.260	0.270	0.275	0.275	0.276	0.286	0.274	3.07
26)	T	2,2-Dichloropr...	0.832	0.746	0.782	0.761	0.802	0.826	0.792	4.38
27)	T	cis-1,2-Dichlo...	0.711	0.669	0.688	0.660	0.670	0.666	0.677	2.78
28)	T	Bromochloromet...	0.529	0.543	0.524	0.528	0.516	0.508	0.525	2.29
29)	T	Tetrahydrofuran	0.175	0.162	0.174	0.175	0.178	0.183	0.175	4.02
30)	C	Chloroform	1.150	1.106	1.112	1.048	1.052	1.050	1.087	3.93#
31)	T	Cyclohexane		0.973	0.977	0.918	0.926	0.927	0.944	3.00
32)	T	1,1,1-Trichlor...	0.944	0.897	0.908	0.886	0.901	0.910	0.908	2.17
33)	S	1,2-Dichloroet...		0.722	0.652	0.647	0.641	0.640	0.661	5.29
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.355	0.346	0.339	0.332	0.325	0.339	3.47
36)	T	1,1-Dichloropr...	0.499	0.477	0.461	0.439	0.434	0.437	0.458	5.71
37)	T	Ethyl Acetate	0.506	0.376	0.371	0.360	0.355	0.373	0.390	14.73
38)	T	Carbon Tetrach...	0.471	0.505	0.495	0.476	0.480	0.478	0.484	2.73
39)	T	Methylcyclohexane	0.539	0.588	0.589	0.567	0.578	0.576	0.573	3.20
40)	TM	Benzene	1.391	1.445	1.452	1.356	1.342	1.324	1.385	3.88
41)	T	Methacrylonitrile	0.175	0.196	0.222	0.213	0.221	0.222	0.208	9.12
42)	TM	1,2-Dichloroet...	0.499	0.477	0.487	0.460	0.453	0.446	0.470	4.39
43)	T	Isopropyl Acetate	0.508	0.562	0.613	0.618	0.630	0.652	0.597	8.82
44)	TM	Trichloroethene	0.386	0.377	0.365	0.344	0.347	0.344	0.361	5.02
45)	C	1,2-Dichloropr...	0.364	0.340	0.362	0.346	0.345	0.342	0.350	3.03#
46)	T	Dibromomethane	0.247	0.246	0.250	0.240	0.236	0.237	0.242	2.35
47)	T	Bromodichlorom...	0.538	0.508	0.535	0.510	0.508	0.507	0.518	2.87
48)	T	Methyl methacr...	0.257	0.294	0.307	0.322	0.329	0.343	0.308	9.89
49)	T	1,4-Dioxane	0.003	0.004	0.004	0.004	0.004	0.004	0.004	2.38
50)	S	Toluene-d8		1.278	1.220	1.195	1.160	1.135	1.197	4.60
51)	T	4-Methyl-2-Pen...	0.330	0.340	0.368	0.366	0.353	0.357	0.353	4.26
52)	CM	Toluene	0.855	0.894	0.906	0.841	0.831	0.823	0.858	3.95#
53)	T	t-1,3-Dichloro...	0.408	0.431	0.467	0.472	0.490	0.504	0.462	7.81
54)	T	cis-1,3-Dichlo...	0.496	0.499	0.532	0.533	0.549	0.554	0.527	4.71
55)	T	1,1,2-Trichlor...	0.325	0.329	0.328	0.318	0.310	0.308	0.320	2.82
56)	T	Ethyl methacry...	0.390	0.409	0.447	0.459	0.468	0.482	0.442	8.13

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X070225W.M

57)	T	1,3-Dichloropr...	0.567	0.567	0.572	0.541	0.528	0.527	0.550	3.76
58)	T	2-Chloroethyl ...	0.217	0.235	0.258	0.267	0.260	0.259	0.249	7.69
59)	T	2-Hexanone	0.205	0.227	0.245	0.247	0.238	0.242	0.234	6.83
60)	T	Dibromochlorom...	0.383	0.390	0.393	0.377	0.376	0.377	0.383	1.94
61)	T	1,2-Dibromoethane	0.323	0.317	0.332	0.320	0.317	0.317	0.321	1.82
62)	S	4-Bromofluorob...		0.493	0.469	0.455	0.433	0.426	0.455	5.97
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.353	0.346	0.345	0.315	0.320	0.318	0.333	5.13
65)	PM	Chlorobenzene	1.111	1.117	1.113	1.049	1.051	1.045	1.081	3.32
66)	T	1,1,1,2-Tetrac...	0.366	0.347	0.377	0.359	0.366	0.367	0.363	2.75
67)	C	Ethyl Benzene	1.810	1.868	1.929	1.830	1.846	1.824	1.851	2.32#
68)	T	m/p-Xylenes	0.702	0.710	0.731	0.688	0.683	0.672	0.698	3.05
69)	T	o-Xylene	0.676	0.677	0.703	0.665	0.663	0.660	0.674	2.36
70)	T	Styrene	1.070	1.152	1.228	1.175	1.157	1.134	1.153	4.50
71)	P	Bromoform	0.269	0.261	0.273	0.269	0.275	0.275	0.270	1.94
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.267	3.428	3.611	3.601	3.592	3.590	3.515	3.97
74)	T	N-amyl acetate	0.953	1.079	1.194	1.270	1.303	1.367	1.194	12.93
75)	P	1,1,2,2-Tetrac...	1.000	0.948	0.981	0.963	0.939	0.968	0.966	2.26
76)	T	1,2,3-Trichlor...	0.781	0.720	0.770	0.787	0.791	0.787	0.773	3.46
77)	T	Bromobenzene	0.868	0.890	0.876	0.876	0.870	0.872	0.875	0.89
78)	T	n-propylbenzene	4.048	4.223	4.362	4.293	4.271	4.233	4.238	2.50
79)	T	2-Chlorotoluene	2.441	2.523	2.596	2.482	2.498	2.474	2.503	2.13
80)	T	1,3,5-Trimethy...	2.574	2.780	3.014	2.924	2.947	2.896	2.856	5.54
81)	T	trans-1,4-Dich...		0.236	0.267	0.292	0.312	0.333	0.288	13.09
82)	T	4-Chlorotoluene	2.755	2.916	2.982	2.915	2.899	2.859	2.888	2.64
83)	T	tert-Butylbenzene	2.733	2.876	3.036	3.020	3.031	3.002	2.950	4.13
84)	T	1,2,4-Trimethy...	2.615	2.872	3.017	2.949	2.930	2.937	2.887	4.88
85)	T	sec-Butylbenzene	3.475	3.721	3.852	3.782	3.766	3.719	3.719	3.47
86)	T	p-Isopropyltol...	2.948	3.159	3.181	3.162	3.160	3.077	3.114	2.87
87)	T	1,3-Dichlorobe...	1.615	1.664	1.673	1.627	1.625	1.619	1.637	1.50
88)	T	1,4-Dichlorobe...	1.852	1.776	1.711	1.632	1.622	1.632	1.704	5.52
89)	T	n-Butylbenzene	2.747	2.891	3.036	2.987	2.983	2.914	2.926	3.51
90)	T	Hexachloroethane	0.530	0.523	0.537	0.554	0.581	0.589	0.552	4.95
91)	T	1,2-Dichlorobe...	1.626	1.592	1.625	1.568	1.560	1.550	1.587	2.07
92)	T	1,2-Dibromo-3-...	0.158	0.151	0.164	0.171	0.178	0.192	0.169	8.69
93)	T	1,2,4-Trichlor...	1.016	1.020	1.078	1.087	1.121	1.145	1.078	4.86
94)	T	Hexachlorobuta...	0.393	0.397	0.421	0.409	0.408	0.411	0.407	2.52
95)	T	Naphthalene	2.210	2.537	2.893	3.034	3.096	3.273	2.840	13.92
96)	T	1,2,3-Trichlor...	0.900	0.965	1.033	1.045	1.069	1.099	1.019	7.20

(#) = Out of Range



Response = 4.842e-002 * Amt - 2.745e-003
Coef of Det (r^2) = 0.998662 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X070225W.M
Calibration Table Last Updated: Thu Jul 03 05:51:11 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046860.D
Acq On : 02 Jul 2025 12:11
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:29:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.556	168	372069	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.763	114	622566	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	571866	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	290571	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l		
Spiked Amount 50.000	Range 78 - 117		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 92 - 112		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 83 - 123		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.185	85	3309	0.930	ug/l		89
3) Chloromethane	1.307	50	3761	0.967	ug/l		89
4) Vinyl Chloride	1.386	62	4227	0.998	ug/l		99
6) Chloroethane	1.703	64	3296	1.179	ug/l		94
7) Trichlorofluoromethane	1.910	101	6304	0.963	ug/l		88
8) Diethyl Ether	2.148	74	2346	1.007	ug/l		94
9) 1,1,2-Trichlorotrifluo...	2.349	101	3923	0.940	ug/l		93
12) 1,1-Dichloroethene	2.337	96	4037	1.001	ug/l		90
14) Allyl chloride	2.678	41	7259	1.011	ug/l		96
15) Acrylonitrile	3.081	53	9914m	5.298	ug/l		
16) Acetone	2.386	43	8778	5.749	ug/l		89
17) Carbon Disulfide	2.532	76	11797	1.115	ug/l	#	88
18) Methyl Acetate	2.715	43	3632	0.903	ug/l		99
19) Methyl tert-butyl Ether	3.123	73	10768	0.945	ug/l		96
20) Methylene Chloride	2.800	84	4636	1.027	ug/l	#	91
21) trans-1,2-Dichloroethene	3.111	96	4109	0.995	ug/l		92
22) Diisopropyl ether	3.776	45	12396	0.893	ug/l	#	56
23) Vinyl Acetate	3.739	43	46702	4.492	ug/l		97
24) 1,1-Dichloroethane	3.623	63	8033	1.015	ug/l		98
25) 2-Butanone	4.599	43	9681m	4.752	ug/l		
26) 2,2-Dichloropropane	4.483	77	6192	1.051	ug/l		93
27) cis-1,2-Dichloroethene	4.501	96	5289	1.049	ug/l		98
28) Bromochloromethane	4.910	49	3938	1.008	ug/l	#	95
29) Tetrahydrofuran	5.025	42	6512	5.015	ug/l	#	62
30) Chloroform	5.111	83	8561	1.059	ug/l	#	80
32) 1,1,1-Trichloroethane	5.391	97	7025	1.040	ug/l	#	49
36) 1,1-Dichloropropene	5.702	75	6211	1.089	ug/l		91
37) Ethyl Acetate	4.763	43	6302m	1.298	ug/l		
38) Carbon Tetrachloride	5.690	117	5859m	0.959	ug/l		
39) Methylcyclohexane	7.385	83	6714	0.941	ug/l		86
40) Benzene	6.050	78	17315	1.004	ug/l	#	87
41) Methacrylonitrile	4.958	41	2181m	0.842	ug/l		
42) 1,2-Dichloroethane	6.104	62	6218	1.062	ug/l		88
43) Isopropyl Acetate	6.354	43	6331	0.851	ug/l	#	79
44) Trichloroethene	7.135	130	4807	1.071	ug/l		94
45) 1,2-Dichloropropane	7.446	63	4536	1.041	ug/l	#	77

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046860.D
Acq On : 02 Jul 2025 12:11
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:29:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	7.592	93	3072	1.018	ug/l		96
47) Bromodichloromethane	7.830	83	6705	1.040	ug/l		91
48) Methyl methacrylate	7.714	41	3198	0.833	ug/l	#	54
49) 1,4-Dioxane	7.683	88	860m	19.325	ug/l		
51) 4-Methyl-2-Pentanone	8.580	43	20561	4.684	ug/l		97
52) Toluene	8.726	92	10648	0.996	ug/l		96
53) t-1,3-Dichloropropene	8.994	75	5080	0.883	ug/l		97
54) cis-1,3-Dichloropropene	8.372	75	6171	0.940	ug/l	#	47
55) 1,1,2-Trichloroethane	9.159	97	4046	1.016	ug/l	#	84
56) Ethyl methacrylate	9.122	69	4850	0.880	ug/l		95
57) 1,3-Dichloropropane	9.311	76	7057	1.030	ug/l		94
58) 2-Chloroethyl Vinyl ether	8.250	63	13509	4.352	ug/l		100
59) 2-Hexanone	9.439	43	12742	4.376	ug/l		94
60) Dibromochloromethane	9.519	129	4772	1.002	ug/l		95
61) 1,2-Dibromoethane	9.610	107	4026	1.007	ug/l		100
64) Tetrachloroethene	9.275	164	4039	1.061	ug/l	#	86
65) Chlorobenzene	10.079	112	12712	1.028	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.165	131	4188	1.008	ug/l	#	65
67) Ethyl Benzene	10.195	91	20707	0.978	ug/l		96
68) m/p-Xylenes	10.305	106	16047	2.011	ug/l		91
69) o-Xylene	10.640	106	7726	1.002	ug/l		95
70) Styrene	10.659	104	12236	0.928	ug/l		98
71) Bromoform	10.805	173	3071	0.994	ug/l	#	97
73) Isopropylbenzene	10.963	105	18985	0.929	ug/l		100
74) N-amyl acetate	10.848	43	5537	0.798	ug/l	#	91
75) 1,1,2,2-Tetrachloroethane	11.213	83	5809	1.034	ug/l		94
76) 1,2,3-Trichloropropane	11.238	75	4536m	1.010	ug/l		
77) Bromobenzene	11.201	156	5045	0.992	ug/l		96
78) n-propylbenzene	11.305	91	23522	0.955	ug/l		98
79) 2-Chlorotoluene	11.366	91	14185	0.975	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	14958	0.901	ug/l		100
82) 4-Chlorotoluene	11.457	91	16012	0.954	ug/l		97
83) tert-Butylbenzene	11.713	119	15883	0.927	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	15197	0.906	ug/l		96
85) sec-Butylbenzene	11.890	105	20193	0.934	ug/l		99
86) p-Isopropyltoluene	12.006	119	17131	0.946	ug/l		93
87) 1,3-Dichlorobenzene	11.969	146	9388	0.987	ug/l		97
88) 1,4-Dichlorobenzene	12.036	146	10764m	1.087	ug/l		
89) n-Butylbenzene	12.335	91	15963	0.939	ug/l		99
90) Hexachloroethane	12.536	117	3079	0.960	ug/l		91
91) 1,2-Dichlorobenzene	12.335	146	9448	1.025	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	920	0.937	ug/l		95
93) 1,2,4-Trichlorobenzene	13.591	180	5904	0.942	ug/l		98
94) Hexachlorobutadiene	13.725	225	2281	0.966	ug/l		87
95) Naphthalene	13.780	128	12846	0.778	ug/l		98
96) 1,2,3-Trichlorobenzene	13.963	180	5231	0.884	ug/l		95

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

ICAL Form

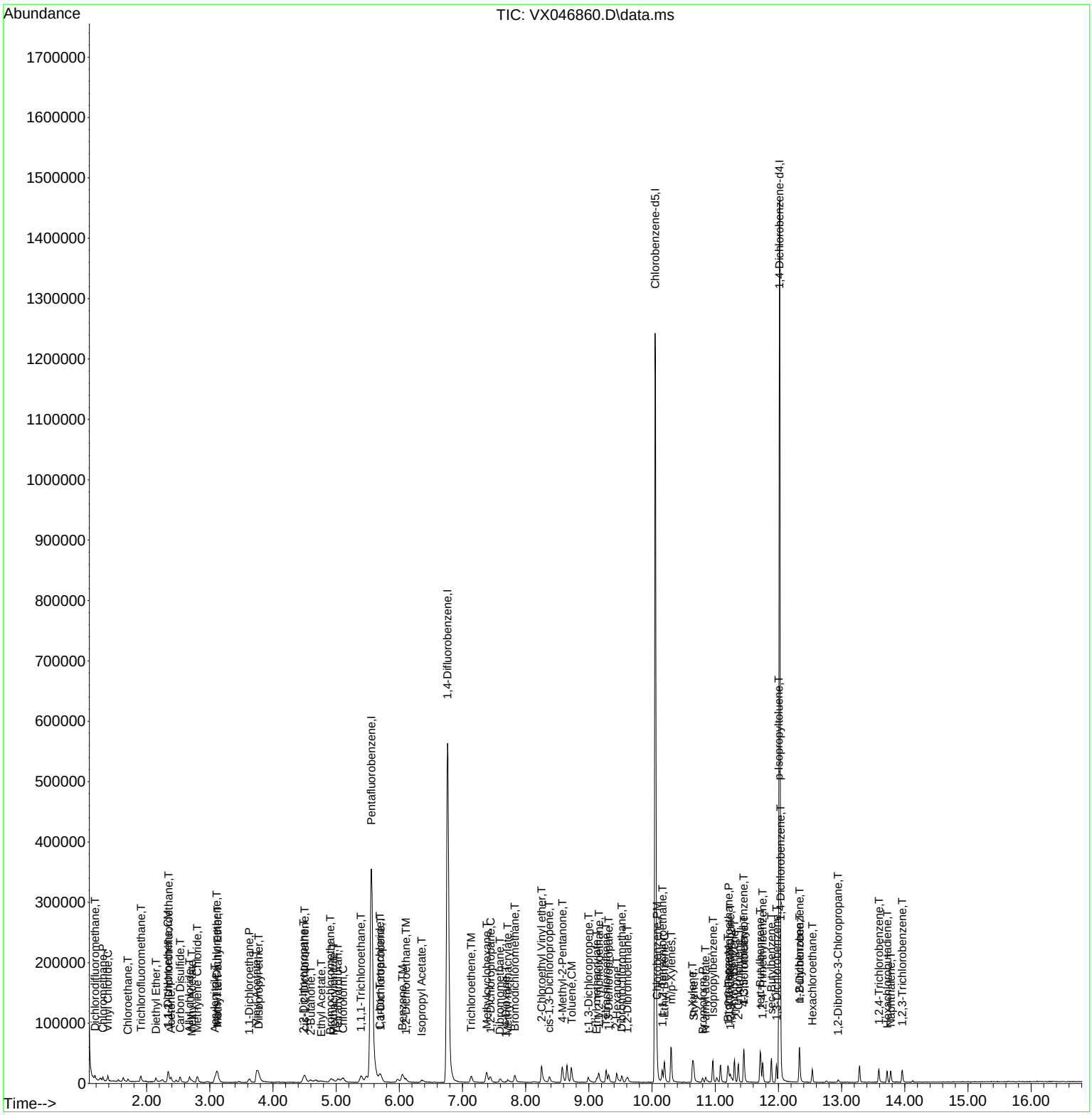
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046860.D
Acq On : 02 Jul 2025 12:11
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 05:29:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046861.D
Acq On : 02 Jul 2025 12:37
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 03 05:30:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	396691	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	652365	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	592225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	309407	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	28658	5.468	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	10.940%#		
35) Dibromofluoromethane	5.397	113	23179	5.234	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.460%#		
50) Toluene-d8	8.647	98	83349	5.335	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	10.660%#		
62) 4-Bromofluorobenzene	11.079	95	32156	5.415	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	10.840%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.178	85	17184	4.530	ug/l	99
3) Chloromethane	1.306	50	20130	4.857	ug/l	95
4) Vinyl Chloride	1.386	62	21789	4.827	ug/l	99
5) Bromomethane	1.623	94	15966	5.505	ug/l	93
6) Chloroethane	1.703	64	14497	4.864	ug/l	97
7) Trichlorofluoromethane	1.904	101	34689	4.970	ug/l	98
8) Diethyl Ether	2.148	74	12204	4.914	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.343	101	22655	5.094	ug/l	98
10) Methyl Iodide	2.465	142	18441	3.806	ug/l	95
11) Tert butyl alcohol	2.952	59	8771	25.519	ug/l	100
12) 1,1-Dichloroethene	2.337	96	22008	5.116	ug/l	100
13) Acrolein	2.245	56	14598	40.835	ug/l	98
14) Allyl chloride	2.678	41	37266	4.866	ug/l	95
15) Acrylonitrile	3.074	53	47130	23.621	ug/l	100
16) Acetone	2.385	43	41693	25.612	ug/l	94
17) Carbon Disulfide	2.526	76	56543	5.012	ug/l	98
18) Methyl Acetate	2.715	43	18796	4.381	ug/l	92
19) Methyl tert-butyl Ether	3.123	73	58304	4.800	ug/l	96
20) Methylene Chloride	2.800	84	24790	5.150	ug/l	92
21) trans-1,2-Dichloroethene	3.105	96	22385	5.086	ug/l	98
22) Diisopropyl ether	3.763	45	72646	4.910	ug/l #	74
23) Vinyl Acetate	3.733	43	265941	23.992	ug/l	97
24) 1,1-Dichloroethane	3.617	63	42994	5.095	ug/l	97
25) 2-Butanone	4.568	43	53597	24.678	ug/l	99
26) 2,2-Dichloropropane	4.483	77	29599	4.713	ug/l	79
27) cis-1,2-Dichloroethene	4.501	96	26549	4.940	ug/l	96
28) Bromochloromethane	4.915	49	21555	5.176	ug/l	94
29) Tetrahydrofuran	5.019	42	32120	23.200	ug/l	98
30) Chloroform	5.098	83	43886	5.091	ug/l	99
31) Cyclohexane	5.482	56	38601	5.153	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	35598	4.943	ug/l	95
36) 1,1-Dichloropropene	5.702	75	31138	5.212	ug/l	98
37) Ethyl Acetate	4.733	43	24519	4.818	ug/l #	92
38) Carbon Tetrachloride	5.690	117	32963	5.151	ug/l	93
39) Methylcyclohexane	7.385	83	38332	5.129	ug/l	99
40) Benzene	6.043	78	94260	5.216	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046861.D
Acq On : 02 Jul 2025 12:37
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:30:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.934	41	12777	4.707	ug/l	#	94
42) 1,2-Dichloroethane	6.092	62	31102	5.068	ug/l		98
43) Isopropyl Acetate	6.348	43	36681	4.706	ug/l		98
44) Trichloroethene	7.128	130	24587	5.227	ug/l		98
45) 1,2-Dichloropropane	7.433	63	22205	4.863	ug/l		91
46) Dibromomethane	7.586	93	16018	5.063	ug/l		99
47) Bromodichloromethane	7.824	83	33143	4.907	ug/l		99
48) Methyl methacrylate	7.702	41	19166	4.762	ug/l		98
49) 1,4-Dioxane	7.671	88	4647	99.650	ug/l	#	90
51) 4-Methyl-2-Pentanone	8.573	43	110844	24.096	ug/l		100
52) Toluene	8.720	92	58295	5.206	ug/l		99
53) t-1,3-Dichloropropene	8.982	75	28142	4.668	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	32562	4.732	ug/l		92
55) 1,1,2-Trichloroethane	9.153	97	21431	5.138	ug/l		96
56) Ethyl methacrylate	9.122	69	26665	4.619	ug/l		97
57) 1,3-Dichloropropane	9.311	76	37000	5.152	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.244	63	76711	23.583	ug/l		99
59) 2-Hexanone	9.433	43	73995	24.251	ug/l		94
60) Dibromochloromethane	9.518	129	25465	5.101	ug/l		96
61) 1,2-Dibromoethane	9.610	107	20695	4.940	ug/l		98
64) Tetrachloroethene	9.274	164	20514	5.203	ug/l		97
65) Chlorobenzene	10.079	112	66148	5.166	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.158	131	20533	4.770	ug/l		94
67) Ethyl Benzene	10.195	91	110637	5.046	ug/l		97
68) m/p-Xylenes	10.299	106	84083	10.176	ug/l		100
69) o-Xylene	10.640	106	40078	5.021	ug/l		99
70) Styrene	10.652	104	68250	4.998	ug/l		99
71) Bromoform	10.799	173	15461	4.831	ug/l	#	99
73) Isopropylbenzene	10.963	105	106065	4.876	ug/l		98
74) N-amyl acetate	10.841	43	33387	4.517	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	29333	4.905	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	22279m	4.660	ug/l		
77) Bromobenzene	11.195	156	27534	5.082	ug/l		95
78) n-propylbenzene	11.298	91	130658	4.982	ug/l		97
79) 2-Chlorotoluene	11.359	91	78075	5.042	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	86020	4.867	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	7304	4.100	ug/l	#	81
82) 4-Chlorotoluene	11.451	91	90236	5.049	ug/l		100
83) tert-Butylbenzene	11.713	119	88998	4.876	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	88868	4.975	ug/l		95
85) sec-Butylbenzene	11.890	105	115141	5.003	ug/l		100
86) p-Isopropyltoluene	12.006	119	97742	5.072	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	51500	5.083	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	54943	5.210	ug/l		95
89) n-Butylbenzene	12.329	91	89435	4.939	ug/l		97
90) Hexachloroethane	12.536	117	16170	4.733	ug/l		94
91) 1,2-Dichlorobenzene	12.335	146	49253	5.016	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	4675	4.469	ug/l		90
93) 1,2,4-Trichlorobenzene	13.585	180	31558	4.731	ug/l		100
94) Hexachlorobutadiene	13.719	225	12292	4.886	ug/l		97
95) Naphthalene	13.774	128	78483	4.465	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	29854	4.737	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046861.D
Acq On : 02 Jul 2025 12:37
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:30:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration

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

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

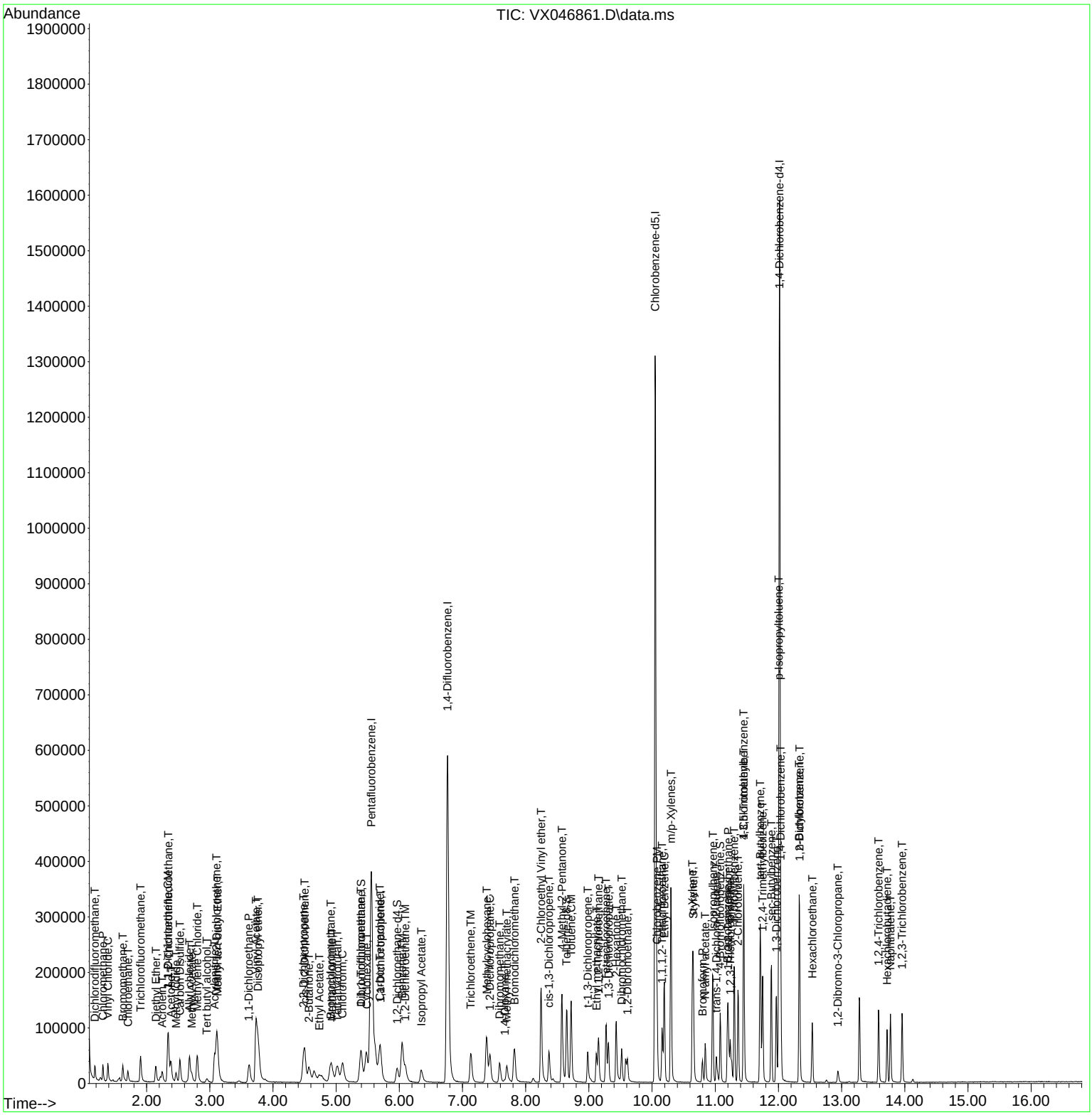
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046861.D
Acq On : 02 Jul 2025 12:37
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 03 05:30:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046862.D
Acq On : 02 Jul 2025 13:18
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:31:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	399111	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	642908	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	576289	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	296482	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	104091	19.742	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	39.480%#		
35) Dibromofluoromethane	5.391	113	88863	20.362	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	40.720%#		
50) Toluene-d8	8.647	98	313624	20.369	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	40.740%#		
62) 4-Bromofluorobenzene	11.079	95	120554	20.601	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	41.200%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.184	85	81688	21.402	ug/l	99
3) Chloromethane	1.306	50	86312	20.697	ug/l	97
4) Vinyl Chloride	1.386	62	94339	20.773	ug/l	100
5) Bromomethane	1.629	94	64159	21.988	ug/l	97
6) Chloroethane	1.703	64	61209	20.412	ug/l	100
7) Trichlorofluoromethane	1.904	101	147045	20.941	ug/l	98
8) Diethyl Ether	2.142	74	50485	20.203	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.343	101	93041	20.794	ug/l	98
10) Methyl Iodide	2.465	142	92753	19.028	ug/l	100
11) Tert butyl alcohol	2.952	59	33170	95.921	ug/l	99
12) 1,1-Dichloroethene	2.337	96	87106	20.127	ug/l	99
13) Acrolein	2.245	56	34095	91.049	ug/l	97
14) Allyl chloride	2.678	41	153719	19.950	ug/l	99
15) Acrylonitrile	3.068	53	198794	99.028	ug/l	99
16) Acetone	2.379	43	155869	95.170	ug/l	98
17) Carbon Disulfide	2.526	76	224317	19.764	ug/l	98
18) Methyl Acetate	2.709	43	89471	20.726	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	245776	20.110	ug/l	100
20) Methylene Chloride	2.800	84	99547	20.555	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	91856	20.742	ug/l	94
22) Diisopropyl ether	3.763	45	314003	21.094	ug/l	94
23) Vinyl Acetate	3.727	43	1136064	101.868	ug/l	100
24) 1,1-Dichloroethane	3.617	63	171529	20.204	ug/l	100
25) 2-Butanone	4.556	43	219759	100.571	ug/l	99
26) 2,2-Dichloropropane	4.483	77	124894	19.767	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	109844	20.316	ug/l	99
28) Bromochloromethane	4.903	49	83733	19.985	ug/l	97
29) Tetrahydrofuran	5.001	42	138587	99.493	ug/l	99
30) Chloroform	5.098	83	177543	20.470	ug/l	97
31) Cyclohexane	5.470	56	155952	20.692	ug/l	93
32) 1,1,1-Trichloroethane	5.391	97	144962	20.005	ug/l	98
36) 1,1-Dichloropropene	5.702	75	118611	20.144	ug/l	97
37) Ethyl Acetate	4.720	43	95352	19.013	ug/l	99
38) Carbon Tetrachloride	5.684	117	127307	20.188	ug/l	97
39) Methylcyclohexane	7.378	83	151595	20.582	ug/l	96
40) Benzene	6.043	78	373429	20.968	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046862.D
Acq On : 02 Jul 2025 13:18
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:31:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	57138	21.358	ug/l		95
42) 1,2-Dichloroethane	6.086	62	125114	20.689	ug/l		99
43) Isopropyl Acetate	6.336	43	157613	20.519	ug/l		100
44) Trichloroethene	7.128	130	93746	20.221	ug/l		100
45) 1,2-Dichloropropane	7.427	63	93205	20.714	ug/l		99
46) Dibromomethane	7.580	93	64260	20.612	ug/l		100
47) Bromodichloromethane	7.817	83	137600	20.670	ug/l		98
48) Methyl methacrylate	7.695	41	78897	19.892	ug/l		97
49) 1,4-Dioxane	7.659	88	18907	411.405	ug/l		97
51) 4-Methyl-2-Pentanone	8.567	43	473773	104.508	ug/l		99
52) Toluene	8.714	92	232882	21.102	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	120040	20.206	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	136889	20.187	ug/l		98
55) 1,1,2-Trichloroethane	9.146	97	84451	20.545	ug/l		97
56) Ethyl methacrylate	9.116	69	114929	20.200	ug/l		99
57) 1,3-Dichloropropane	9.305	76	147193	20.795	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	331143	103.298	ug/l		100
59) 2-Hexanone	9.427	43	314535	104.602	ug/l		99
60) Dibromochloromethane	9.518	129	100960	20.523	ug/l		100
61) 1,2-Dibromoethane	9.610	107	85342	20.672	ug/l		100
64) Tetrachloroethene	9.268	164	79577	20.740	ug/l		96
65) Chlorobenzene	10.073	112	256491	20.586	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.158	131	86804	20.724	ug/l		99
67) Ethyl Benzene	10.189	91	444690	20.841	ug/l		99
68) m/p-Xylenes	10.299	106	337082	41.924	ug/l		98
69) o-Xylene	10.640	106	162094	20.870	ug/l		99
70) Styrene	10.652	104	283121	21.307	ug/l		100
71) Bromoform	10.799	173	62957	20.215	ug/l	#	98
73) Isopropylbenzene	10.957	105	428283	20.549	ug/l		100
74) N-amyl acetate	10.841	43	141581	19.991	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	116329	20.298	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	91349m	19.941	ug/l		
77) Bromobenzene	11.195	156	103902	20.014	ug/l		96
78) n-propylbenzene	11.298	91	517332	20.585	ug/l		100
79) 2-Chlorotoluene	11.359	91	307886	20.748	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	357455	21.108	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	31721	18.582	ug/l		94
82) 4-Chlorotoluene	11.451	91	353678	20.654	ug/l		99
83) tert-Butylbenzene	11.713	119	360024	20.583	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	357753	20.900	ug/l		95
85) sec-Butylbenzene	11.890	105	456837	20.715	ug/l		100
86) p-Isopropyltoluene	12.006	119	377192	20.425	ug/l		100
87) 1,3-Dichlorobenzene	11.963	146	198351	20.429	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	202881	20.078	ug/l		99
89) n-Butylbenzene	12.329	91	360061	20.750	ug/l		99
90) Hexachloroethane	12.536	117	63705	19.459	ug/l		99
91) 1,2-Dichlorobenzene	12.329	146	192682	20.479	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	19455	19.409	ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	127830	19.999	ug/l		99
94) Hexachlorobutadiene	13.725	225	49928	20.713	ug/l		99
95) Naphthalene	13.774	128	343123	20.372	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	122506	20.284	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046862.D
Acq On : 02 Jul 2025 13:18
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:31:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 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

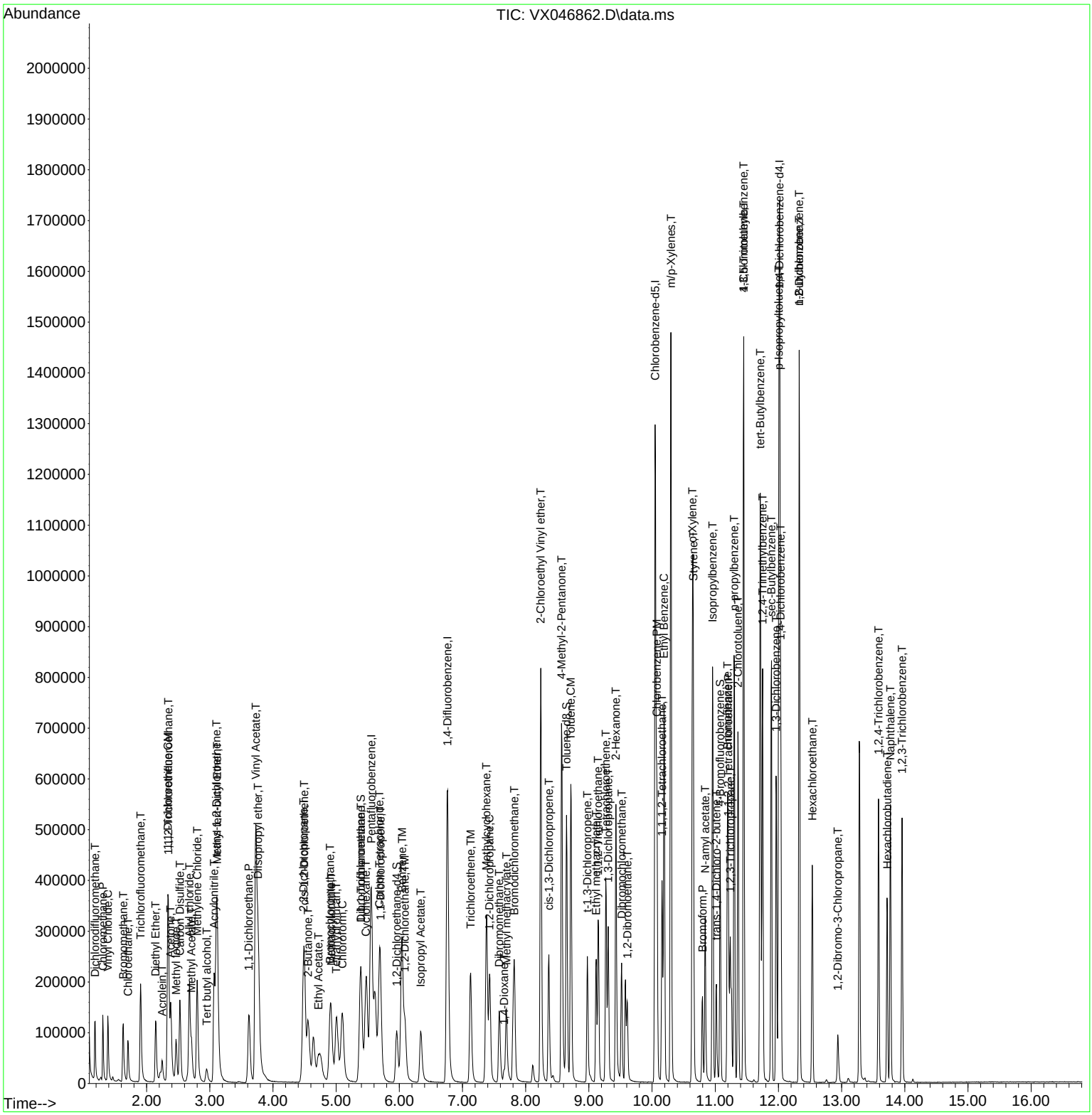
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046862.D
Acq On : 02 Jul 2025 13:18
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 03 05:31:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046863.D
Acq On : 02 Jul 2025 13:39
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:32:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	368182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	601240	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	539902	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	266829	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	238206	48.973	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 97.940%			
35) Dibromofluoromethane	5.397	113	203814	49.939	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.880%			
50) Toluene-d8	8.647	98	718232	49.879	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.760%			
62) 4-Bromofluorobenzene	11.079	95	273366	49.952	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	179160	50.881	ug/l	100
3) Chloromethane	1.307	50	186908	48.585	ug/l	100
4) Vinyl Chloride	1.386	62	202462	48.327	ug/l	100
5) Bromomethane	1.624	94	132366	49.174	ug/l	100
6) Chloroethane	1.703	64	127577	46.118	ug/l	100
7) Trichlorofluoromethane	1.904	101	315495	48.704	ug/l	100
8) Diethyl Ether	2.148	74	112089	48.624	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.349	101	201760	48.880	ug/l	100
10) Methyl Iodide	2.471	142	232179	51.631	ug/l	100
11) Tert butyl alcohol	2.953	59	77545	243.081	ug/l	100
12) 1,1-Dichloroethene	2.337	96	193069	48.359	ug/l	100
13) Acrolein	2.246	56	84088	238.671	ug/l	100
14) Allyl chloride	2.678	41	347253	48.854	ug/l	100
15) Acrylonitrile	3.075	53	453047	244.641	ug/l	100
16) Acetone	2.386	43	355803	235.495	ug/l	100
17) Carbon Disulfide	2.532	76	494153	47.196	ug/l	100
18) Methyl Acetate	2.715	43	203643	51.137	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	562569	49.898	ug/l	100
20) Methylene Chloride	2.800	84	215411	48.215	ug/l	100
21) trans-1,2-Dichloroethene	3.105	96	199150	48.748	ug/l	100
22) Diisopropyl ether	3.770	45	701332	51.071	ug/l	100
23) Vinyl Acetate	3.733	43	2620249	254.689	ug/l	100
24) 1,1-Dichloroethane	3.623	63	382510	48.841	ug/l	100
25) 2-Butanone	4.562	43	506469	251.252	ug/l	100
26) 2,2-Dichloropropane	4.489	77	280159	48.066	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	243080	48.734	ug/l	100
28) Bromochloromethane	4.910	49	194431	50.303	ug/l	100
29) Tetrahydrofuran	5.007	42	322800	251.209	ug/l	100
30) Chloroform	5.105	83	386035	48.247	ug/l	100
31) Cyclohexane	5.483	56	337894	48.598	ug/l	100
32) 1,1,1-Trichloroethane	5.397	97	326288	48.811	ug/l	100
36) 1,1-Dichloropropene	5.702	75	264243	47.988	ug/l	100
37) Ethyl Acetate	4.721	43	216259	46.111	ug/l	100
38) Carbon Tetrachloride	5.690	117	286310	48.549	ug/l	100
39) Methylcyclohexane	7.385	83	341159	49.529	ug/l	100
40) Benzene	6.050	78	815341	48.954	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046863.D
Acq On : 02 Jul 2025 13:39
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:32:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	127915	51.128	ug/l		100
42) 1,2-Dichloroethane	6.092	62	276628	48.913	ug/l		100
43) Isopropyl Acetate	6.342	43	371859	51.765	ug/l		100
44) Trichloroethene	7.129	130	206841	47.708	ug/l		100
45) 1,2-Dichloropropane	7.434	63	207864	49.398	ug/l		100
46) Dibromomethane	7.586	93	144114	49.430	ug/l		100
47) Bromodichloromethane	7.824	83	306696	49.265	ug/l		100
48) Methyl methacrylate	7.696	41	193493	52.165	ug/l		100
49) 1,4-Dioxane	7.659	88	43664	1015.947	ug/l		100
51) 4-Methyl-2-Pentanone	8.574	43	1101634	259.847	ug/l		100
52) Toluene	8.720	92	505397	48.969	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	284038	51.124	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	320678	50.567	ug/l		100
55) 1,1,2-Trichloroethane	9.153	97	191073	49.704	ug/l		100
56) Ethyl methacrylate	9.116	69	276170	51.905	ug/l		100
57) 1,3-Dichloropropane	9.305	76	325345	49.150	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.244	63	802354	267.636	ug/l		100
59) 2-Hexanone	9.427	43	742855	264.164	ug/l		100
60) Dibromochloromethane	9.519	129	226427	49.218	ug/l		100
61) 1,2-Dibromoethane	9.610	107	192320	49.814	ug/l		100
64) Tetrachloroethene	9.275	164	170176	47.341	ug/l		100
65) Chlorobenzene	10.079	112	566582	48.538	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	193638	49.347	ug/l		100
67) Ethyl Benzene	10.189	91	987806	49.415	ug/l		100
68) m/p-Xylenes	10.299	106	743275	98.674	ug/l		100
69) o-Xylene	10.640	106	358798	49.311	ug/l		100
70) Styrene	10.653	104	634597	50.976	ug/l		100
71) Bromoform	10.799	173	145282	49.794	ug/l	#	100
73) Isopropylbenzene	10.957	105	960979	51.232	ug/l		100
74) N-amyl acetate	10.842	43	338897	53.169	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	256928	49.814	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	210006m	50.937	ug/l		
77) Bromobenzene	11.195	156	233851	50.052	ug/l		100
78) n-propylbenzene	11.299	91	1145518	50.647	ug/l		100
79) 2-Chlorotoluene	11.360	91	662335	49.595	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	780315	51.198	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	77831	50.659	ug/l		100
82) 4-Chlorotoluene	11.451	91	777681	50.461	ug/l		100
83) tert-Butylbenzene	11.713	119	805925	51.197	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	786934	51.082	ug/l		100
85) sec-Butylbenzene	11.884	105	1009027	50.840	ug/l		100
86) p-Isopropyltoluene	12.006	119	843813	50.770	ug/l		100
87) 1,3-Dichlorobenzene	11.963	146	434168	49.687	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	435439	47.882	ug/l		100
89) n-Butylbenzene	12.329	91	797119	51.042	ug/l		100
90) Hexachloroethane	12.536	117	147768	50.152	ug/l		100
91) 1,2-Dichlorobenzene	12.329	146	418287	49.398	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	45584	50.530	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	290148	50.438	ug/l		100
94) Hexachlorobutadiene	13.719	225	109236	50.352	ug/l		100
95) Naphthalene	13.774	128	809540	53.405	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	278713	51.278	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046863.D
Acq On : 02 Jul 2025 13:39
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:32:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 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

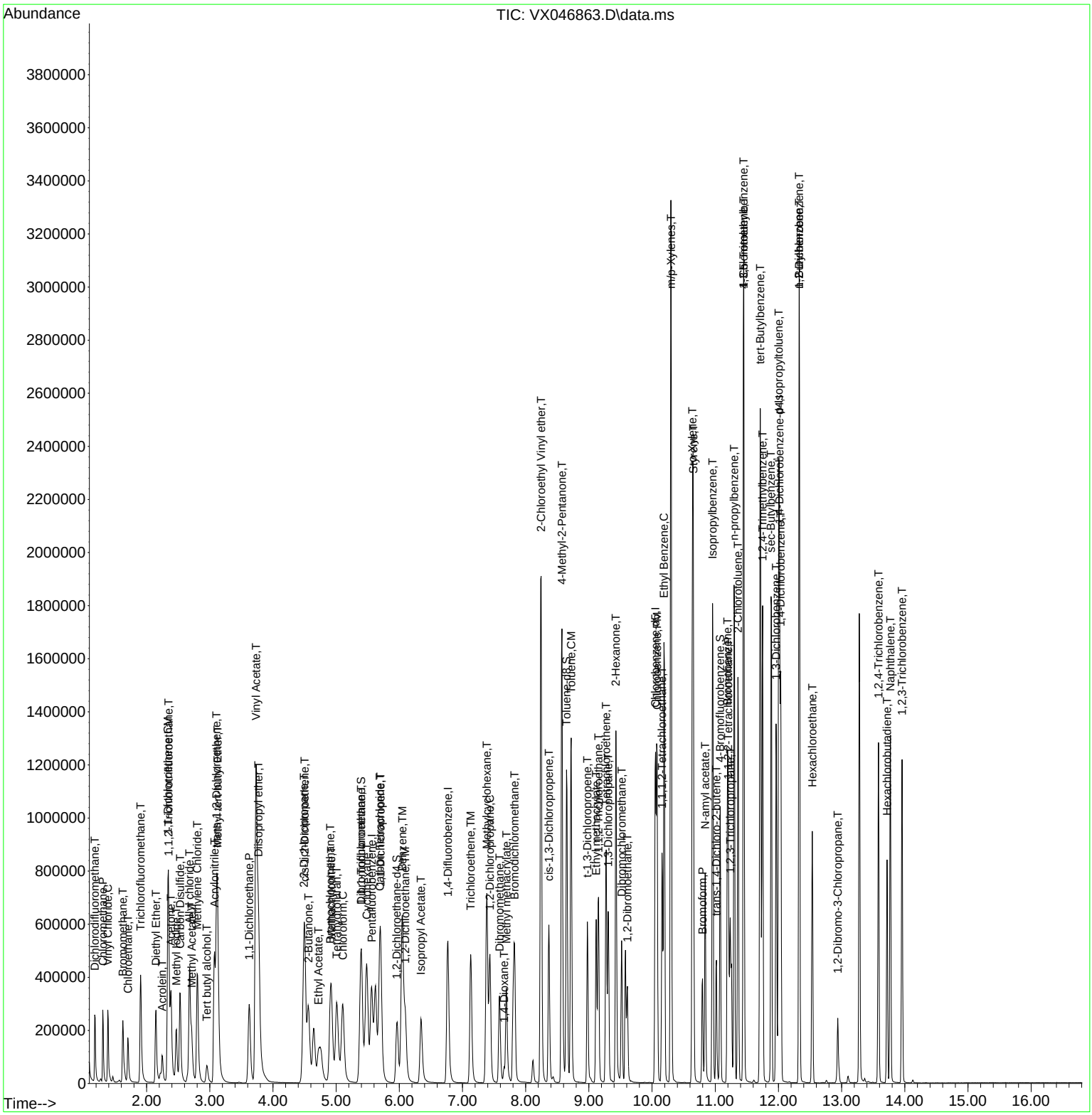
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046863.D
Acq On : 02 Jul 2025 13:39
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 03 05:32:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046864.D
Acq On : 02 Jul 2025 14:10
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:33:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	360099	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	591959	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	521464	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	253960	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	461552	97.021	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 194.040%#			
35) Dibromofluoromethane	5.385	113	393465	97.920	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 195.840%#			
50) Toluene-d8	8.647	98	1373545	96.884	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 193.760%#			
62) 4-Bromofluorobenzene	11.079	95	513224	95.251	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 190.500%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	361969	105.107	ug/l	99
3) Chloromethane	1.307	50	391364	104.014	ug/l	98
4) Vinyl Chloride	1.386	62	424193	103.527	ug/l	100
5) Bromomethane	1.618	94	265849	100.979	ug/l	100
6) Chloroethane	1.697	64	260651	96.337	ug/l	99
7) Trichlorofluoromethane	1.904	101	643202	101.523	ug/l	98
8) Diethyl Ether	2.142	74	228526	101.358	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.343	101	412204	102.105	ug/l	99
10) Methyl Iodide	2.465	142	490208	111.457	ug/l	99
11) Tert butyl alcohol	2.953	59	156192	500.607	ug/l	99
12) 1,1-Dichloroethene	2.331	96	393053	100.660	ug/l	97
13) Acrolein	2.245	56	173378	500.012	ug/l	100
14) Allyl chloride	2.672	41	711428	102.334	ug/l	99
15) Acrylonitrile	3.068	53	898537	496.093	ug/l	100
16) Acetone	2.380	43	707647	478.882	ug/l	98
17) Carbon Disulfide	2.526	76	1006664	98.304	ug/l	99
18) Methyl Acetate	2.709	43	410853	105.486	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	1142805	103.638	ug/l	98
20) Methylene Chloride	2.800	84	428892	98.153	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	396705	99.285	ug/l	97
22) Diisopropyl ether	3.764	45	1387980	103.342	ug/l	97
23) Vinyl Acetate	3.727	43	5276627	524.403	ug/l	100
24) 1,1-Dichloroethane	3.617	63	759957	99.213	ug/l	100
25) 2-Butanone	4.550	43	992659	503.497	ug/l	99
26) 2,2-Dichloropropane	4.483	77	577382	101.283	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	482620	98.931	ug/l	100
28) Bromochloromethane	4.904	49	371458	98.260	ug/l	100
29) Tetrahydrofuran	5.001	42	640795	509.872	ug/l	99
30) Chloroform	5.099	83	757773	96.834	ug/l	100
31) Cyclohexane	5.477	56	667229	98.120	ug/l	100
32) 1,1,1-Trichloroethane	5.391	97	649123	99.286	ug/l	99
36) 1,1-Dichloropropene	5.696	75	514002	94.809	ug/l	99
37) Ethyl Acetate	4.715	43	420101	90.979	ug/l	98
38) Carbon Tetrachloride	5.684	117	567706	97.774	ug/l	98
39) Methylcyclohexane	7.379	83	683852	100.837	ug/l	99
40) Benzene	6.044	78	1589318	96.921	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046864.D
Acq On : 02 Jul 2025 14:10
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:33:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	261090	105.996	ug/l	99
42) 1,2-Dichloroethane	6.086	62	536004	96.261	ug/l	100
43) Isopropyl Acetate	6.336	43	746174	105.501	ug/l	100
44) Trichloroethene	7.123	130	411222	96.336	ug/l	98
45) 1,2-Dichloropropane	7.427	63	408244	98.538	ug/l	100
46) Dibromomethane	7.580	93	279372	97.324	ug/l	99
47) Bromodichloromethane	7.818	83	601292	98.101	ug/l	98
48) Methyl methacrylate	7.690	41	389200	106.573	ug/l	100
49) 1,4-Dioxane	7.659	88	82890	1958.872	ug/l	97
51) 4-Methyl-2-Pentanone	8.568	43	2089507	500.587	ug/l	99
52) Toluene	8.714	92	984220	96.858	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	580117	106.052	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	650539	104.190	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	367441	97.082	ug/l	98
56) Ethyl methacrylate	9.116	69	554620	105.873	ug/l	99
57) 1,3-Dichloropropane	9.305	76	625220	95.933	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	1541497	522.248	ug/l	100
59) 2-Hexanone	9.427	43	1406681	508.068	ug/l	100
60) Dibromochloromethane	9.519	129	445393	98.331	ug/l	99
61) 1,2-Dibromoethane	9.604	107	375661	98.827	ug/l	99
64) Tetrachloroethene	9.269	164	333229	95.978	ug/l	95
65) Chlorobenzene	10.073	112	1095855	97.200	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	381396	100.632	ug/l	99
67) Ethyl Benzene	10.189	91	1925349	99.720	ug/l	99
68) m/p-Xylenes	10.299	106	1424898	195.851	ug/l	99
69) o-Xylene	10.640	106	691874	98.448	ug/l	99
70) Styrene	10.653	104	1206962	100.381	ug/l	99
71) Bromoform	10.799	173	286378	101.623	ug/l	100
73) Isopropylbenzene	10.957	105	1824241	102.183	ug/l	100
74) N-amyl acetate	10.842	43	661864	109.100	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	477117	97.192	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	401735m	102.378	ug/l	
77) Bromobenzene	11.195	156	441962	99.388	ug/l	98
78) n-propylbenzene	11.299	91	2169188	100.767	ug/l	99
79) 2-Chlorotoluene	11.360	91	1268825	99.822	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	1497082	103.204	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	158326	108.273	ug/l	98
82) 4-Chlorotoluene	11.451	91	1472712	100.402	ug/l	100
83) tert-Butylbenzene	11.713	119	1539450	102.751	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	1488102	101.492	ug/l	97
85) sec-Butylbenzene	11.890	105	1912633	101.251	ug/l	99
86) p-Isopropyltoluene	12.006	119	1605082	101.466	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	825505	99.260	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	823926	95.192	ug/l	100
89) n-Butylbenzene	12.329	91	1515258	101.944	ug/l	100
90) Hexachloroethane	12.536	117	294961	105.182	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	792536	98.339	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	90270	105.136	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	569410	104.000	ug/l	100
94) Hexachlorobutadiene	13.725	225	207095	100.298	ug/l	99
95) Naphthalene	13.774	128	1572381	108.986	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	543127	104.988	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046864.D
Acq On : 02 Jul 2025 14:10
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:33:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 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

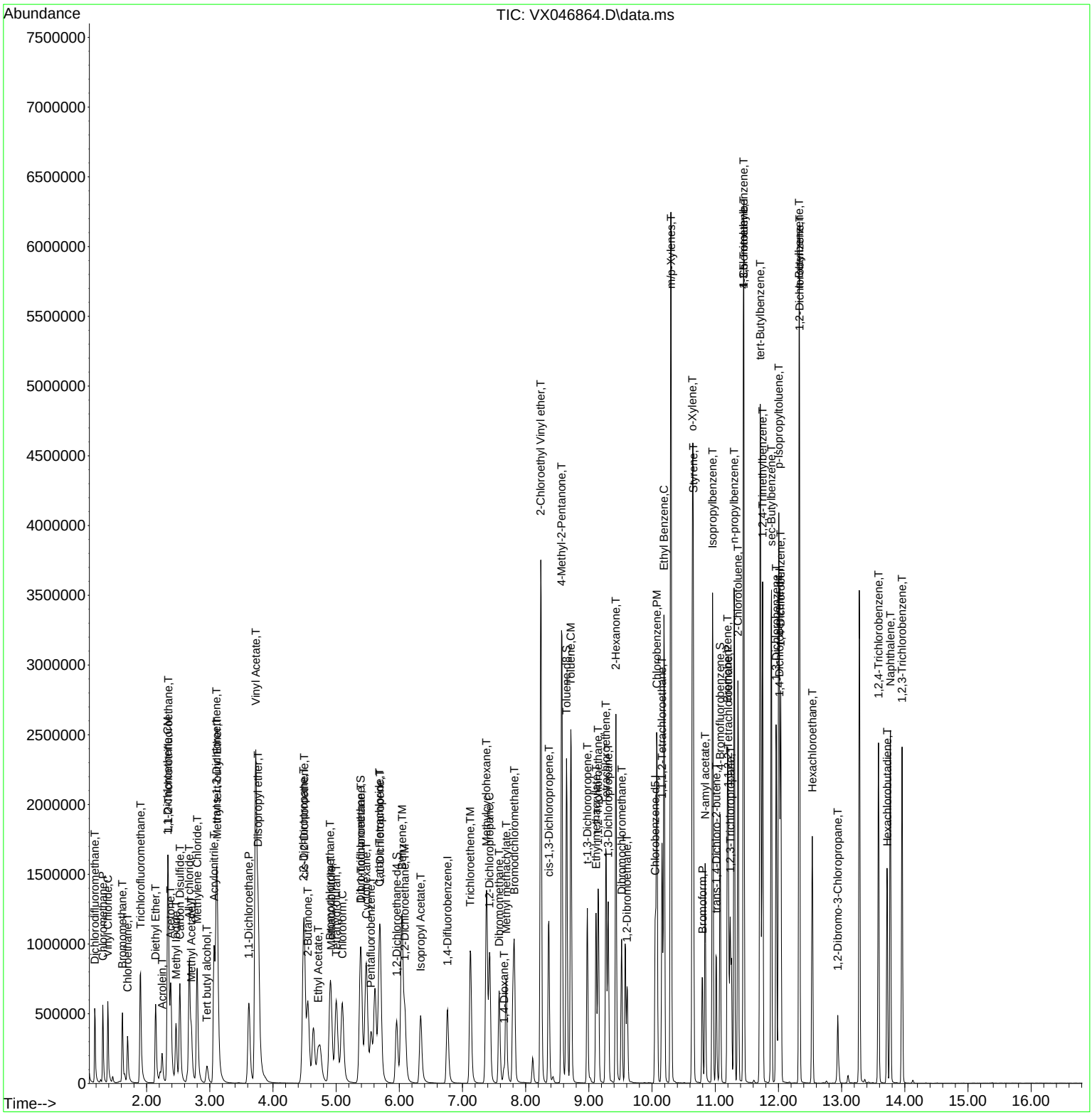
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046864.D
Acq On : 02 Jul 2025 14:10
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 03 05:33:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046865.D
Acq On : 02 Jul 2025 14:31
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:34:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	337940	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	564585	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	498758	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	240348	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	649303	145.436	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 290.880%#			
35) Dibromofluoromethane	5.391	113	550160	143.554	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 287.100%#			
50) Toluene-d8	8.653	98	1923179	142.230	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 284.460%#			
62) 4-Bromofluorobenzene	11.079	95	721016	140.303	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 280.600%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	497096	153.809	ug/l	99
3) Chloromethane	1.307	50	537388	152.188	ug/l	98
4) Vinyl Chloride	1.386	62	574277	149.346	ug/l	99
5) Bromomethane	1.611	94	298828	120.949	ug/l	100
6) Chloroethane	1.697	64	358739	141.285	ug/l	99
7) Trichlorofluoromethane	1.904	101	897728	150.988	ug/l	99
8) Diethyl Ether	2.148	74	321838	152.105	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.343	101	569627	150.352	ug/l	99
10) Methyl Iodide	2.465	142	705949	171.034	ug/l	98
11) Tert butyl alcohol	2.965	59	229819	784.885	ug/l	99
12) 1,1-Dichloroethene	2.337	96	547474	149.400	ug/l	97
13) Acrolein	2.245	56	245973	754.434	ug/l	98
14) Allyl chloride	2.678	41	996540	152.745	ug/l	99
15) Acrylonitrile	3.075	53	1288046	757.776	ug/l	99
16) Acetone	2.386	43	1013283	730.677	ug/l	99
17) Carbon Disulfide	2.526	76	1394541	145.111	ug/l	99
18) Methyl Acetate	2.709	43	607185	166.116	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	1637759	158.264	ug/l	98
20) Methylene Chloride	2.800	84	596413	145.441	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	552703	147.398	ug/l	97
22) Diisopropyl ether	3.770	45	1919430	152.282	ug/l	99
23) Vinyl Acetate	3.733	43	7476523	791.755	ug/l	100
24) 1,1-Dichloroethane	3.623	63	1064068	148.024	ug/l	100
25) 2-Butanone	4.562	43	1449681	783.522	ug/l	100
26) 2,2-Dichloropropane	4.489	77	837466	156.539	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	674986	147.435	ug/l	100
28) Bromochloromethane	4.910	49	515523	145.311	ug/l	99
29) Tetrahydrofuran	5.007	42	928390	787.145	ug/l	100
30) Chloroform	5.105	83	1064448	144.942	ug/l	100
31) Cyclohexane	5.483	56	939695	147.249	ug/l	100
32) 1,1,1-Trichloroethane	5.391	97	922378	150.332	ug/l	98
36) 1,1-Dichloropropene	5.702	75	739394	142.995	ug/l	99
37) Ethyl Acetate	4.721	43	631521	143.396	ug/l	98
38) Carbon Tetrachloride	5.684	117	809906	146.250	ug/l	98
39) Methylcyclohexane	7.385	83	974901	150.724	ug/l	99
40) Benzene	6.043	78	2243029	143.418	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046865.D
Acq On : 02 Jul 2025 14:31
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 03 05:34:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	375761	159.945	ug/l	99
42) 1,2-Dichloroethane	6.092	62	756183	142.387	ug/l	100
43) Isopropyl Acetate	6.342	43	1104335	163.711	ug/l	100
44) Trichloroethene	7.129	130	583397	143.298	ug/l	97
45) 1,2-Dichloropropane	7.433	63	579224	146.587	ug/l	99
46) Dibromomethane	7.586	93	401338	146.592	ug/l	99
47) Bromodichloromethane	7.824	83	858188	146.803	ug/l	99
48) Methyl methacrylate	7.696	41	580607	166.693	ug/l	99
49) 1,4-Dioxane	7.665	88	122695	3040.136	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	3026947	760.332	ug/l	98
52) Toluene	8.720	92	1394797	143.918	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	853017	163.503	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	939003	157.682	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	521889	144.574	ug/l	98
56) Ethyl methacrylate	9.116	69	816206	163.362	ug/l	100
57) 1,3-Dichloropropane	9.305	76	893213	143.699	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	2192288	778.743	ug/l	100
59) 2-Hexanone	9.427	43	2051712	776.972	ug/l	100
60) Dibromochloromethane	9.518	129	637739	147.623	ug/l	99
61) 1,2-Dibromoethane	9.610	107	536592	148.009	ug/l	100
64) Tetrachloroethene	9.275	164	475745	143.265	ug/l	96
65) Chlorobenzene	10.079	112	1563433	144.986	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	548552	151.325	ug/l	100
67) Ethyl Benzene	10.195	91	2729559	147.809	ug/l	98
68) m/p-Xylenes	10.299	106	2009645	288.799	ug/l	99
69) o-Xylene	10.640	106	987134	146.856	ug/l	99
70) Styrene	10.652	104	1697064	147.567	ug/l	98
71) Bromoform	10.799	173	411264	152.584	ug/l	97
73) Isopropylbenzene	10.963	105	2588441	153.200	ug/l	100
74) N-amyl acetate	10.841	43	986018	171.738	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	698105	150.263	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	567147m	152.717	ug/l	
77) Bromobenzene	11.195	156	628974	149.454	ug/l	99
78) n-propylbenzene	11.305	91	3052066	149.810	ug/l	99
79) 2-Chlorotoluene	11.360	91	1784161	148.315	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	2088013	152.092	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	239775	173.259	ug/l	95
82) 4-Chlorotoluene	11.451	91	2061746	148.519	ug/l	99
83) tert-Butylbenzene	11.713	119	2164507	152.653	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	2118023	152.635	ug/l	97
85) sec-Butylbenzene	11.890	105	2681731	150.005	ug/l	99
86) p-Isopropyltoluene	12.006	119	2218491	148.186	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	1167669	148.354	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	1176579	143.634	ug/l	99
89) n-Butylbenzene	12.329	91	2101194	149.371	ug/l	99
90) Hexachloroethane	12.536	117	424369	159.899	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	1117598	146.526	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	138617	170.588	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	825907	159.391	ug/l	99
94) Hexachlorobutadiene	13.725	225	296507	151.734	ug/l	99
95) Naphthalene	13.774	128	2359854	172.832	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	792593	161.887	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046865.D
Acq On : 02 Jul 2025 14:31
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:34:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 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

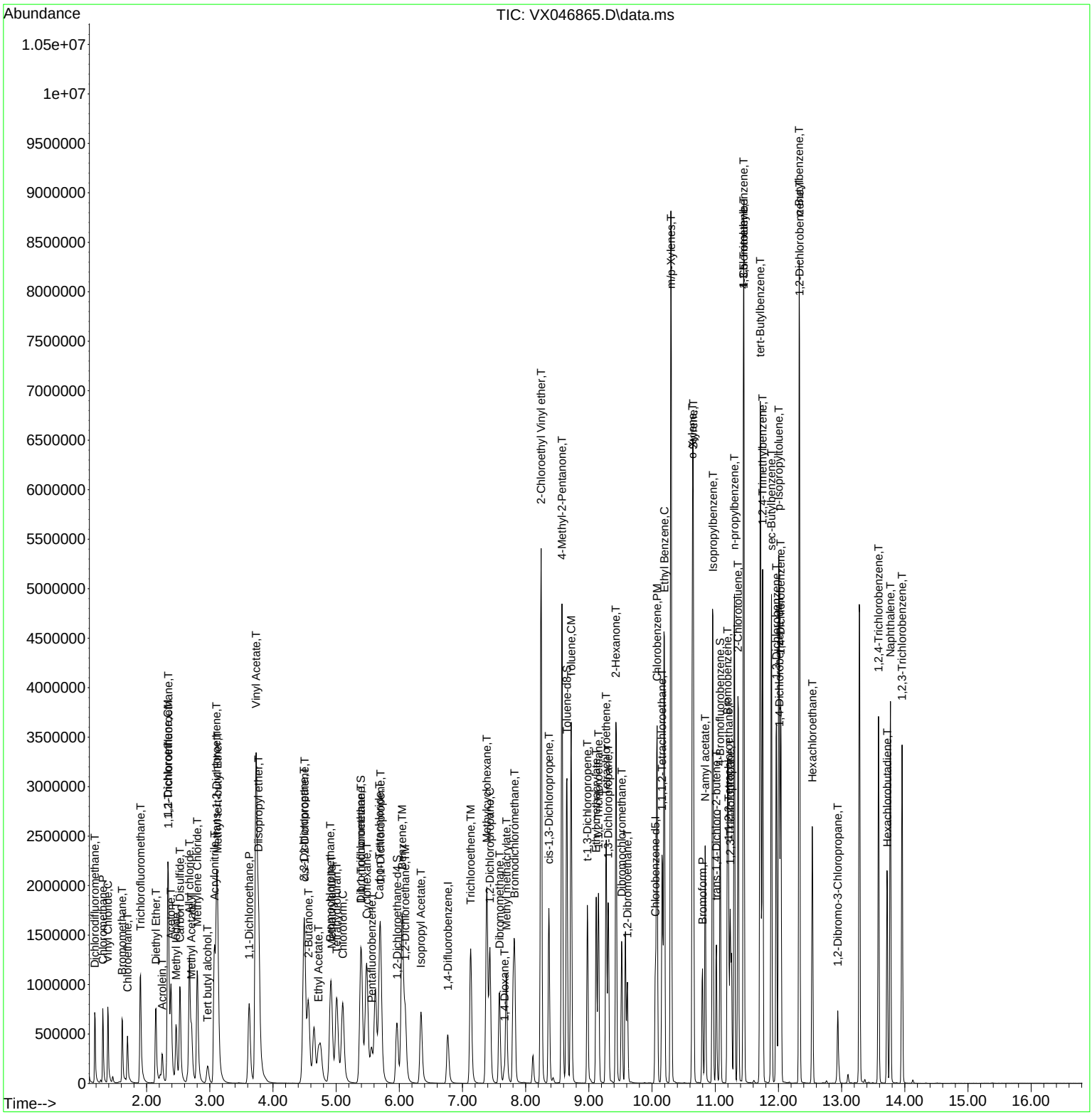
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046865.D
Acq On : 02 Jul 2025 14:31
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 03 05:34:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046867.D
Acq On : 02 Jul 2025 15:14
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX070225

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:55:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	376229	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	610660	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	549326	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	275295	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	242648	48.819	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 97.640%			
35) Dibromofluoromethane	5.397	113	208822	50.377	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.760%			
50) Toluene-d8	8.647	98	731941	50.047	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.100%			
62) 4-Bromofluorobenzene	11.079	95	282463	50.818	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	178684	49.661	ug/l	98
3) Chloromethane	1.307	50	192497	48.967	ug/l	100
4) Vinyl Chloride	1.386	62	208626	48.733	ug/l	99
5) Bromomethane	1.624	94	141065	51.285	ug/l	97
6) Chloroethane	1.703	64	132155	46.751	ug/l	100
7) Trichlorofluoromethane	1.904	101	326501	49.325	ug/l	98
8) Diethyl Ether	2.148	74	117004	49.670	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.349	101	208780	49.499	ug/l	100
10) Methyl Iodide	2.471	142	229855	50.021	ug/l	97
11) Tert butyl alcohol	2.953	59	86884	266.531	ug/l	100
12) 1,1-Dichloroethene	2.337	96	197950	48.521	ug/l	99
13) Acrolein	2.252	56	87230	242.250	ug/l	98
14) Allyl chloride	2.678	41	359895	49.549	ug/l	99
15) Acrylonitrile	3.075	53	482124	255.809	ug/l	99
16) Acetone	2.386	43	376127	243.622	ug/l	97
17) Carbon Disulfide	2.532	76	501161	46.842	ug/l	100
18) Methyl Acetate	2.715	43	217113	53.354	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	601377	52.199	ug/l	99
20) Methylene Chloride	2.800	84	224143	49.097	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	205950	49.334	ug/l	99
22) Diisopropyl ether	3.770	45	723627	51.568	ug/l	97
23) Vinyl Acetate	3.733	43	2777219	264.173	ug/l	99
24) 1,1-Dichloroethane	3.623	63	395739	49.449	ug/l	99
25) 2-Butanone	4.562	43	538755	261.552	ug/l	98
26) 2,2-Dichloropropane	4.489	77	293933	49.351	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	247860	48.630	ug/l	99
28) Bromochloromethane	4.910	49	198401	50.232	ug/l	98
29) Tetrahydrofuran	5.013	42	350947	267.272	ug/l	99
30) Chloroform	5.105	83	395292	48.348	ug/l	100
31) Cyclohexane	5.483	56	350463	49.328	ug/l	97
32) 1,1,1-Trichloroethane	5.397	97	335397	49.101	ug/l	99
36) 1,1-Dichloropropene	5.702	75	275506	49.261	ug/l	100
37) Ethyl Acetate	4.721	43	229364	48.151	ug/l	100
38) Carbon Tetrachloride	5.690	117	291659	49.327	ug/l	99
39) Methylcyclohexane	7.385	83	355028	50.747	ug/l	98
40) Benzene	6.050	78	835235	49.375	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046867.D
Acq On : 02 Jul 2025 15:14
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX070225

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:55:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	137841	54.246	ug/l		98
42) 1,2-Dichloroethane	6.092	62	282094	49.110	ug/l		100
43) Isopropyl Acetate	6.342	43	390969	53.586	ug/l		99
44) Trichloroethene	7.129	130	212780	48.321	ug/l		100
45) 1,2-Dichloropropane	7.434	63	213351	49.920	ug/l		98
46) Dibromomethane	7.586	93	146563	49.494	ug/l		100
47) Bromodichloromethane	7.824	83	313088	49.516	ug/l		97
48) Methyl methacrylate	7.696	41	206773	54.886	ug/l		99
49) 1,4-Dioxane	7.659	88	47208	1081.463	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	1163206	270.137	ug/l		100
52) Toluene	8.720	92	524414	50.028	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	298344	52.871	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	334998	52.010	ug/l		99
55) 1,1,2-Trichloroethane	9.153	97	194738	49.876	ug/l		98
56) Ethyl methacrylate	9.116	69	294579	54.511	ug/l		99
57) 1,3-Dichloropropane	9.305	76	334325	49.728	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.245	63	817519	268.488	ug/l		100
59) 2-Hexanone	9.427	43	792449	277.453	ug/l		100
60) Dibromochloromethane	9.519	129	234044	50.089	ug/l		99
61) 1,2-Dibromoethane	9.610	107	200842	51.219	ug/l		100
64) Tetrachloroethene	9.275	164	174726	47.773	ug/l		93
65) Chlorobenzene	10.080	112	584424	49.208	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	199525	49.975	ug/l		99
67) Ethyl Benzene	10.189	91	1013473	49.829	ug/l		99
68) m/p-Xylenes	10.299	106	760571	99.238	ug/l		100
69) o-Xylene	10.640	106	368751	49.809	ug/l		99
70) Styrene	10.653	104	644744	50.903	ug/l		100
71) Bromoform	10.799	173	147395	49.651	ug/l	#	99
73) Isopropylbenzene	10.957	105	981991	50.742	ug/l		100
74) N-amyl acetate	10.842	43	359547	54.674	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	269327	50.612	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	218733m	51.422	ug/l		
77) Bromobenzene	11.195	156	237950	49.363	ug/l		99
78) n-propylbenzene	11.299	91	1172148	50.231	ug/l		100
79) 2-Chlorotoluene	11.360	91	678845	49.268	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	808534	51.418	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	82807	52.240	ug/l		99
82) 4-Chlorotoluene	11.451	91	802710	50.483	ug/l		100
83) tert-Butylbenzene	11.713	119	826920	50.916	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	801503	50.428	ug/l		100
85) sec-Butylbenzene	11.890	105	1032626	50.429	ug/l		100
86) p-Isopropyltoluene	12.006	119	867283	50.577	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	446776	49.558	ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	448682	47.821	ug/l		99
89) n-Butylbenzene	12.329	91	817746	50.753	ug/l		99
90) Hexachloroethane	12.536	117	151888	49.965	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	424172	48.553	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	48557	52.171	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	301081	50.729	ug/l		99
94) Hexachlorobutadiene	13.719	225	117882	52.667	ug/l		99
95) Naphthalene	13.774	128	844747	54.014	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	285334	50.881	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046867.D
Acq On : 02 Jul 2025 15:14
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX070225

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:55:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 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

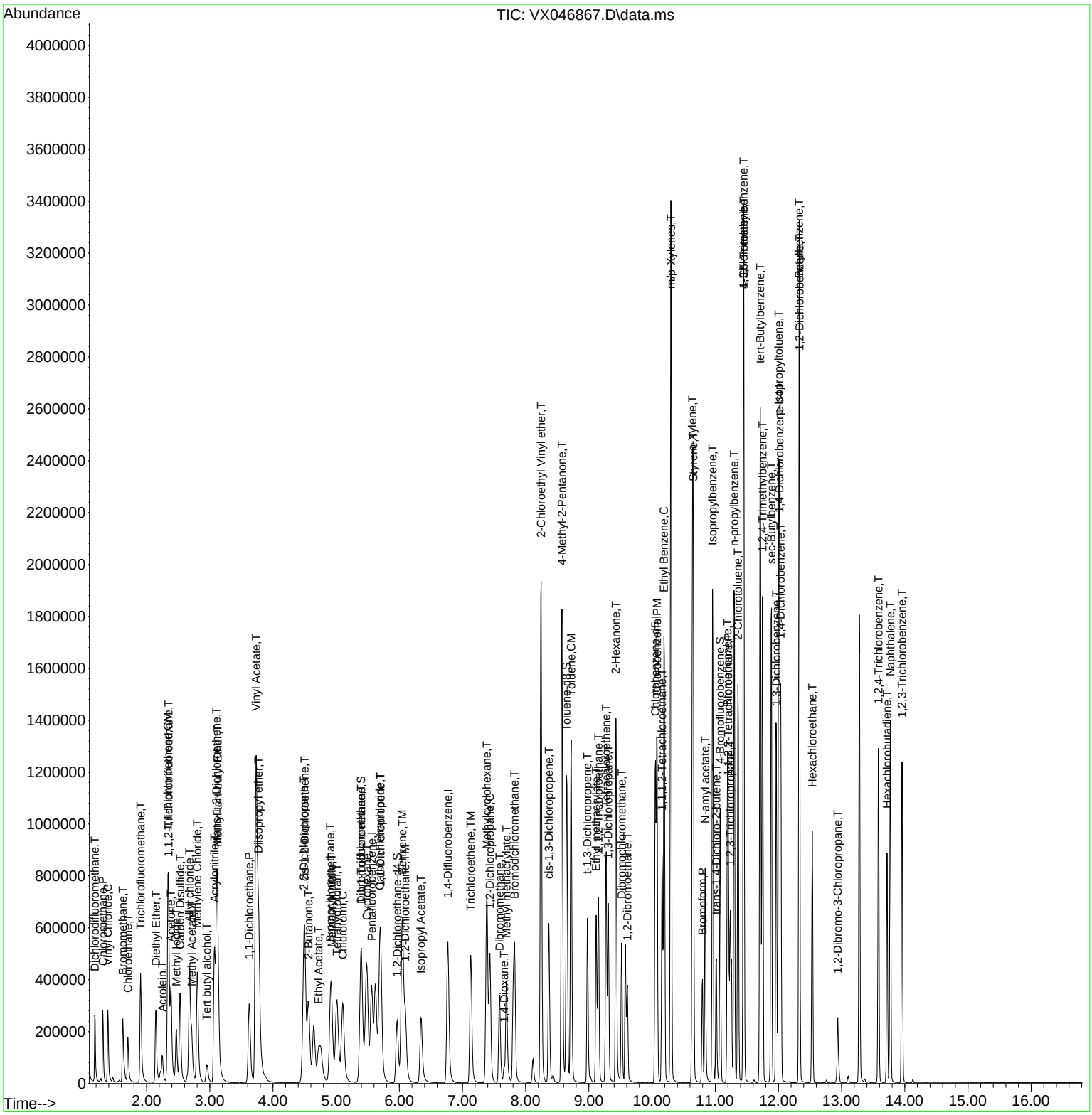
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046867.D
Acq On : 02 Jul 2025 15:14
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 03 05:55:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX070225

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046867.D
Acq On : 02 Jul 2025 15:14
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX070225

Quant Time: Jul 03 05:55:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 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	102	0.00
2	T	Dichlorodifluoromethane	0.478	0.475	0.6	100	0.00
3	P	Chloromethane	0.522	0.512	1.9	103	0.00
4	C	Vinyl Chloride	0.569	0.555	2.5#	103	0.00
5	T	Bromomethane	0.366	0.375	-2.5	107	0.00
6	T	Chloroethane	0.376	0.351	6.6	104	0.00
7	T	Trichlorofluoromethane	0.880	0.868	1.4	103	0.00
8	T	Diethyl Ether	0.313	0.311	0.6	104	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.561	0.555	1.1	103	0.00
10	T	Methyl Iodide	0.611	0.611	0.0	99	0.00
11	T	Tert butyl alcohol	0.043	0.046	-7.0	112	0.00
12	CM	1,1-Dichloroethene	0.542	0.526	3.0#	103	0.00
13	T	Acrolein	0.052	0.046	11.5	104	0.00
14	T	Allyl chloride	0.965	0.957	0.8	104	0.00
15	T	Acrylonitrile	0.250	0.256	-2.4	106	0.00
16	T	Acetone	0.205	0.200	2.4	106	0.00
17	T	Carbon Disulfide	1.422	1.332	6.3	101	0.00
18	T	Methyl Acetate	0.541	0.577	-6.7	107	0.00
19	T	Methyl tert-butyl Ether	1.531	1.598	-4.4	107	0.00
20	T	Methylene Chloride	0.607	0.596	1.8	104	0.00
21	T	trans-1,2-Dichloroethene	0.555	0.547	1.4	103	0.00
22	T	Diisopropyl ether	1.865	1.923	-3.1	103	0.00
23	T	Vinyl Acetate	1.397	1.476	-5.7	106	0.00
24	P	1,1-Dichloroethane	1.064	1.052	1.1	103	0.00
25	T	2-Butanone	0.274	0.286	-4.4	106	0.00
26	T	2,2-Dichloropropane	0.792	0.781	1.4	105	0.00
27	T	cis-1,2-Dichloroethene	0.677	0.659	2.7	102	0.00
28	T	Bromochloromethane	0.525	0.527	-0.4	102	0.00
29	T	Tetrahydrofuran	0.175	0.187	-6.9	109	0.00
30	C	Chloroform	1.087	1.051	3.3#	102	0.00
31	T	Cyclohexane	0.944	0.932	1.3	104	0.00
32	T	1,1,1-Trichloroethane	0.908	0.891	1.9	103	0.00
33	S	1,2-Dichloroethane-d4	0.661	0.645	2.4	102	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	102	0.00
35	S	Dibromofluoromethane	0.339	0.342	-0.9	102	0.00
36	T	1,1-Dichloropropene	0.458	0.451	1.5	104	0.00
37	T	Ethyl Acetate	0.390	0.376	3.6	106	0.00
38	T	Carbon Tetrachloride	0.484	0.478	1.2	102	0.00
39	T	Methylcyclohexane	0.573	0.581	-1.4	104	0.00
40	TM	Benzene	1.385	1.368	1.2	102	0.00
41	T	Methacrylonitrile	0.208	0.226	-8.7	108	0.00
42	TM	1,2-Dichloroethane	0.470	0.462	1.7	102	0.00
43	T	Isopropyl Acetate	0.597	0.640	-7.2	105	0.00
44	TM	Trichloroethene	0.361	0.348	3.6	103	0.00
45	C	1,2-Dichloropropane	0.350	0.349	0.3#	103	0.00
46	T	Dibromomethane	0.242	0.240	0.8	102	0.00
47	T	Bromodichloromethane	0.518	0.513	1.0	102	0.00
48	T	Methyl methacrylate	0.308	0.339	-10.1	107	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046867.D
Acq On : 02 Jul 2025 15:14
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX070225

Quant Time: Jul 03 05:55:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.004	0.004	0.0	108	0.00
50	S	Toluene-d8	1.197	1.199	-0.2	102	0.00
51	T	4-Methyl-2-Pentanone	0.353	0.381	-7.9	106	0.00
52	CM	Toluene	0.858	0.859	-0.1#	104	0.00
53	T	t-1,3-Dichloropropene	0.462	0.489	-5.8	105	0.00
54	T	cis-1,3-Dichloropropene	0.527	0.549	-4.2	104	0.00
55	T	1,1,2-Trichloroethane	0.320	0.319	0.3	102	0.00
56	T	Ethyl methacrylate	0.442	0.482	-9.0	107	0.00
57	T	1,3-Dichloropropane	0.550	0.547	0.5	103	0.00
58	T	2-Chloroethyl Vinyl ether	0.249	0.268	-7.6	102	0.00
59	T	2-Hexanone	0.234	0.260	-11.1	107	0.00
60	T	Dibromochloromethane	0.383	0.383	0.0	103	0.00
61	T	1,2-Dibromoethane	0.321	0.329	-2.5	104	0.00
62	S	4-Bromofluorobenzene	0.455	0.463	-1.8	103	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
64	T	Tetrachloroethene	0.333	0.318	4.5	103	0.00
65	PM	Chlorobenzene	1.081	1.064	1.6	103	0.00
66	T	1,1,1,2-Tetrachloroethane	0.363	0.363	0.0	103	0.00
67	C	Ethyl Benzene	1.851	1.845	0.3#	103	0.00
68	T	m/p-Xylenes	0.698	0.692	0.9	102	0.00
69	T	o-Xylene	0.674	0.671	0.4	103	0.00
70	T	Styrene	1.153	1.174	-1.8	102	0.00
71	P	Bromoform	0.270	0.268	0.7	101	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73	T	Isopropylbenzene	3.515	3.567	-1.5	102	0.00
74	T	N-amyl acetate	1.194	1.306	-9.4	106	0.00
75	P	1,1,2,2-Tetrachloroethane	0.966	0.978	-1.2	105	0.00
76	T	1,2,3-Trichloropropane	0.773	0.795	-2.8	104	0.00
77	T	Bromobenzene	0.875	0.864	1.3	102	0.00
78	T	n-propylbenzene	4.238	4.258	-0.5	102	0.00
79	T	2-Chlorotoluene	2.503	2.466	1.5	102	0.00
80	T	1,3,5-Trimethylbenzene	2.856	2.937	-2.8	104	0.00
81	T	trans-1,4-Dichloro-2-butene	0.288	0.301	-4.5	106	0.00
82	T	4-Chlorotoluene	2.888	2.916	-1.0	103	0.00
83	T	tert-Butylbenzene	2.950	3.004	-1.8	103	0.00
84	T	1,2,4-Trimethylbenzene	2.887	2.911	-0.8	102	0.00
85	T	sec-Butylbenzene	3.719	3.751	-0.9	102	0.00
86	T	p-Isopropyltoluene	3.114	3.150	-1.2	103	0.00
87	T	1,3-Dichlorobenzene	1.637	1.623	0.9	103	0.00
88	T	1,4-Dichlorobenzene	1.704	1.630	4.3	103	0.00
89	T	n-Butylbenzene	2.926	2.970	-1.5	103	0.00
90	T	Hexachloroethane	0.552	0.552	0.0	103	0.00
91	T	1,2-Dichlorobenzene	1.587	1.541	2.9	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.169	0.176	-4.1	107	0.00
93	T	1,2,4-Trichlorobenzene	1.078	1.094	-1.5	104	0.00
94	T	Hexachlorobutadiene	0.407	0.428	-5.2	108	0.00
95	T	Naphthalene	2.840	3.069	-8.1	104	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046867.D
Acq On : 02 Jul 2025 15:14
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX070225

Quant Time: Jul 03 05:55:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 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	1.019	1.036	-1.7	102	0.00

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046867.D
Acq On : 02 Jul 2025 15:14
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX070225

Quant Time: Jul 03 05:55:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 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	102	0.00
2	T	Dichlorodifluoromethane	50.000	49.661	0.7	100	0.00
3	P	Chloromethane	50.000	48.967	2.1	103	0.00
4	C	Vinyl Chloride	50.000	48.733	2.5#	103	0.00
5	T	Bromomethane	50.000	51.285	-2.6	107	0.00
6	T	Chloroethane	50.000	46.751	6.5	104	0.00
7	T	Trichlorofluoromethane	50.000	49.325	1.3	103	0.00
8	T	Diethyl Ether	50.000	49.670	0.7	104	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.499	1.0	103	0.00
10	T	Methyl Iodide	50.000	50.021	-0.0	99	0.00
11	T	Tert butyl alcohol	250.000	266.531	-6.6	112	0.00
12	CM	1,1-Dichloroethene	50.000	48.521	3.0#	103	0.00
13	T	Acrolein	250.000	242.250	3.1	104	0.00
14	T	Allyl chloride	50.000	49.549	0.9	104	0.00
15	T	Acrylonitrile	250.000	255.809	-2.3	106	0.00
16	T	Acetone	250.000	243.622	2.6	106	0.00
17	T	Carbon Disulfide	50.000	46.842	6.3	101	0.00
18	T	Methyl Acetate	50.000	53.354	-6.7	107	0.00
19	T	Methyl tert-butyl Ether	50.000	52.199	-4.4	107	0.00
20	T	Methylene Chloride	50.000	49.097	1.8	104	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.334	1.3	103	0.00
22	T	Diisopropyl ether	50.000	51.568	-3.1	103	0.00
23	T	Vinyl Acetate	250.000	264.173	-5.7	106	0.00
24	P	1,1-Dichloroethane	50.000	49.449	1.1	103	0.00
25	T	2-Butanone	250.000	261.552	-4.6	106	0.00
26	T	2,2-Dichloropropane	50.000	49.351	1.3	105	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.630	2.7	102	0.00
28	T	Bromochloromethane	50.000	50.232	-0.5	102	0.00
29	T	Tetrahydrofuran	250.000	267.272	-6.9	109	0.00
30	C	Chloroform	50.000	48.348	3.3#	102	0.00
31	T	Cyclohexane	50.000	49.328	1.3	104	0.00
32	T	1,1,1-Trichloroethane	50.000	49.101	1.8	103	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.819	2.4	102	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	102	0.00
35	S	Dibromofluoromethane	50.000	50.377	-0.8	102	0.00
36	T	1,1-Dichloropropene	50.000	49.261	1.5	104	0.00
37	T	Ethyl Acetate	50.000	48.151	3.7	106	0.00
38	T	Carbon Tetrachloride	50.000	49.327	1.3	102	0.00
39	T	Methylcyclohexane	50.000	50.747	-1.5	104	0.00
40	TM	Benzene	50.000	49.375	1.3	102	0.00
41	T	Methacrylonitrile	50.000	54.246	-8.5	108	0.00
42	TM	1,2-Dichloroethane	50.000	49.110	1.8	102	0.00
43	T	Isopropyl Acetate	50.000	53.586	-7.2	105	0.00
44	TM	Trichloroethene	50.000	48.321	3.4	103	0.00
45	C	1,2-Dichloropropane	50.000	49.920	0.2#	103	0.00
46	T	Dibromomethane	50.000	49.494	1.0	102	0.00
47	T	Bromodichloromethane	50.000	49.516	1.0	102	0.00
48	T	Methyl methacrylate	50.000	54.886	-9.8	107	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046867.D
Acq On : 02 Jul 2025 15:14
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX070225

Quant Time: Jul 03 05:55:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 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	1081.463	-8.1	108	0.00
50	S	Toluene-d8	50.000	50.047	-0.1	102	0.00
51	T	4-Methyl-2-Pentanone	250.000	270.137	-8.1	106	0.00
52	CM	Toluene	50.000	50.028	-0.1#	104	0.00
53	T	t-1,3-Dichloropropene	50.000	52.871	-5.7	105	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.010	-4.0	104	0.00
55	T	1,1,2-Trichloroethane	50.000	49.876	0.2	102	0.00
56	T	Ethyl methacrylate	50.000	54.511	-9.0	107	0.00
57	T	1,3-Dichloropropane	50.000	49.728	0.5	103	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	268.488	-7.4	102	0.00
59	T	2-Hexanone	250.000	277.453	-11.0	107	0.00
60	T	Dibromochloromethane	50.000	50.089	-0.2	103	0.00
61	T	1,2-Dibromoethane	50.000	51.219	-2.4	104	0.00
62	S	4-Bromofluorobenzene	50.000	50.818	-1.6	103	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	102	0.00
64	T	Tetrachloroethene	50.000	47.773	4.5	103	0.00
65	PM	Chlorobenzene	50.000	49.208	1.6	103	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.975	0.0	103	0.00
67	C	Ethyl Benzene	50.000	49.829	0.3#	103	0.00
68	T	m/p-Xylenes	100.000	99.238	0.8	102	0.00
69	T	o-Xylene	50.000	49.809	0.4	103	0.00
70	T	Styrene	50.000	50.903	-1.8	102	0.00
71	P	Bromoform	50.000	49.651	0.7	101	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73	T	Isopropylbenzene	50.000	50.742	-1.5	102	0.00
74	T	N-amyl acetate	50.000	54.674	-9.3	106	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.612	-1.2	105	0.00
76	T	1,2,3-Trichloropropane	50.000	51.422	-2.8	104	0.00
77	T	Bromobenzene	50.000	49.363	1.3	102	0.00
78	T	n-propylbenzene	50.000	50.231	-0.5	102	0.00
79	T	2-Chlorotoluene	50.000	49.268	1.5	102	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.418	-2.8	104	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	52.240	-4.5	106	0.00
82	T	4-Chlorotoluene	50.000	50.483	-1.0	103	0.00
83	T	tert-Butylbenzene	50.000	50.916	-1.8	103	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.428	-0.9	102	0.00
85	T	sec-Butylbenzene	50.000	50.429	-0.9	102	0.00
86	T	p-Isopropyltoluene	50.000	50.577	-1.2	103	0.00
87	T	1,3-Dichlorobenzene	50.000	49.558	0.9	103	0.00
88	T	1,4-Dichlorobenzene	50.000	47.821	4.4	103	0.00
89	T	n-Butylbenzene	50.000	50.753	-1.5	103	0.00
90	T	Hexachloroethane	50.000	49.965	0.1	103	0.00
91	T	1,2-Dichlorobenzene	50.000	48.553	2.9	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.171	-4.3	107	0.00
93	T	1,2,4-Trichlorobenzene	50.000	50.729	-1.5	104	0.00
94	T	Hexachlorobutadiene	50.000	52.667	-5.3	108	0.00
95	T	Naphthalene	50.000	54.014	-8.0	104	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046867.D
Acq On : 02 Jul 2025 15:14
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX070225

Quant Time: Jul 03 05:55:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 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	50.881	-1.8	102	0.00

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

Raw Data: **VX046933.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: GARD04
Lab Code: ACE
SDG No.: Q2554
Instrument ID: MSVOA_X
Calibration Date/Time: 07/10/2025 09:54
Lab File ID: VX046933.D
Init. Calib. Date(s): 07/02/2025 07/02/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 12:11 14:31
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.478	0.491		2.72	20
Chloromethane	0.522	0.530	0.1	1.53	20
Vinyl Chloride	0.569	0.575		1.05	20
Bromomethane	0.366	0.384		4.92	20
Chloroethane	0.376	0.378		0.53	20
Trichlorofluoromethane	0.880	0.925		5.11	20
1,1,2-Trichlorotrifluoroethane	0.561	0.602		7.31	20
1,1-Dichloroethene	0.542	0.561		3.51	20
Acetone	0.205	0.237		15.61	20
Carbon Disulfide	1.422	1.331		-6.4	20
Methyl tert-butyl Ether	1.531	1.789		16.85	20
Methyl Acetate	0.541	0.697		28.83	20
Methylene Chloride	0.607	0.664		9.39	20
trans-1,2-Dichloroethene	0.555	0.582		4.86	20
1,1-Dichloroethane	1.064	1.156	0.1	8.65	20
Cyclohexane	0.944	0.949		0.53	20
2-Butanone	0.274	0.323		17.88	20
Carbon Tetrachloride	0.484	0.514		6.2	20
cis-1,2-Dichloroethene	0.677	0.724		6.94	20
Bromochloromethane	0.525	0.563		7.24	20
Chloroform	1.087	1.184		8.92	20
1,1,1-Trichloroethane	0.908	0.966		6.39	20
Methylcyclohexane	0.573	0.572		-0.17	20
Benzene	1.385	1.459		5.34	20
1,2-Dichloroethane	0.470	0.518		10.21	20
Trichloroethene	0.361	0.366		1.38	20
1,2-Dichloropropane	0.350	0.379		8.29	20
Bromodichloromethane	0.518	0.576		11.2	20
4-Methyl-2-Pentanone	0.353	0.415		17.56	20
Toluene	0.858	0.906		5.59	20
t-1,3-Dichloropropene	0.462	0.530		14.72	20
cis-1,3-Dichloropropene	0.527	0.594		12.71	20
1,1,2-Trichloroethane	0.320	0.359		12.19	20
2-Hexanone	0.234	0.282		20.51	20
Dibromochloromethane	0.383	0.429		12.01	20
1,2-Dibromoethane	0.321	0.361		12.46	20
Tetrachloroethene	0.333	0.343		3	20
Chlorobenzene	1.081	1.156	0.3	6.94	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: **VX046933.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: GARD04

Lab Code: ACE | SDG No.: Q2554

Instrument ID: MSVOA_X | Calibration Date/Time: 07/10/2025 09:54

Lab File ID: VX046933.D | Init. Calib. Date(s): 07/02/2025 07/02/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 12:11 14:31

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.851	1.991		7.56	20
m/p-Xylenes	0.698	0.748		7.16	20
o-Xylene	0.674	0.731		8.46	20
Styrene	1.153	1.280		11.02	20
Bromoform	0.270	0.310	0.1	14.81	20
Isopropylbenzene	3.515	3.800		8.11	20
1,1,2,2-Tetrachloroethane	0.966	1.071	0.3	10.87	20
1,3-Dichlorobenzene	1.637	1.724		5.32	20
1,4-Dichlorobenzene	1.704	1.741		2.17	20
1,2-Dichlorobenzene	1.587	1.671		5.29	20
1,2-Dibromo-3-Chloropropane	0.169	0.191		13.02	20
1,2,4-Trichlorobenzene	1.078	1.137		5.47	20
1,2,3-Trichlorobenzene	1.019	1.098		7.75	20
1,2-Dichloroethane-d4	0.661	0.672		1.66	20
Dibromofluoromethane	0.339	0.344		1.48	20
Toluene-d8	1.197	1.173		-2.01	20
4-Bromofluorobenzene	0.455	0.452		-0.66	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\VX071025\
Data File : VX046933.D
Acq On : 10 Jul 2025 09:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 11 07:53:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	309661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	506196	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	449744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	231018	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	208244	50.904	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.800%			
35) Dibromofluoromethane	5.391	113	174249	50.712	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.420%			
50) Toluene-d8	8.646	98	593543	48.959	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.920%			
62) 4-Bromofluorobenzene	11.079	95	228990	49.699	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.184	85	151949	51.309	ug/l	99
3) Chloromethane	1.306	50	164098	50.717	ug/l	95
4) Vinyl Chloride	1.386	62	177948	50.503	ug/l	97
5) Bromomethane	1.623	94	118796	52.473	ug/l	100
6) Chloroethane	1.703	64	116983	50.280	ug/l	98
7) Trichlorofluoromethane	1.904	101	286380	52.565	ug/l	99
8) Diethyl Ether	2.142	74	107924	55.664	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.343	101	186453	53.708	ug/l	100
10) Methyl Iodide	2.465	142	206546	54.611	ug/l	99
11) Tert butyl alcohol	2.952	59	81303	303.026	ug/l	100
12) 1,1-Dichloroethene	2.337	96	173641	51.712	ug/l	98
13) Acrolein	2.245	56	86467	291.173	ug/l	100
14) Allyl chloride	2.678	41	322811	53.998	ug/l	99
15) Acrylonitrile	3.068	53	449828	289.980	ug/l	99
16) Acetone	2.385	43	366304	288.263	ug/l	100
17) Carbon Disulfide	2.526	76	412212	46.811	ug/l	100
18) Methyl Acetate	2.709	43	215920	64.467	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	553871	58.411	ug/l	99
20) Methylene Chloride	2.800	84	205618	54.721	ug/l	99
21) trans-1,2-Dichloroethene	3.099	96	180079	52.410	ug/l	97
22) Diisopropyl ether	3.763	45	670716	58.072	ug/l	96
23) Vinyl Acetate	3.727	43	2477454	286.319	ug/l	100
24) 1,1-Dichloroethane	3.617	63	357940	54.341	ug/l	99
25) 2-Butanone	4.550	43	500177	295.023	ug/l	99
26) 2,2-Dichloropropane	4.483	77	260044	53.046	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	224062	53.411	ug/l	100
28) Bromochloromethane	4.903	49	174450	53.663	ug/l	98
29) Tetrahydrofuran	5.001	42	319193	295.346	ug/l	99
30) Chloroform	5.098	83	366588	54.475	ug/l	99
31) Cyclohexane	5.476	56	293928	50.264	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	299014	53.185	ug/l	99
36) 1,1-Dichloropropene	5.702	75	233003	50.259	ug/l	98
37) Ethyl Acetate	4.714	43	204824	51.873	ug/l	99
38) Carbon Tetrachloride	5.677	117	260404	53.130	ug/l	98
39) Methylcyclohexane	7.378	83	289659	49.948	ug/l	98
40) Benzene	6.037	78	738545	52.669	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046933.D
Acq On : 10 Jul 2025 09:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 11 07:53:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.915	41	131689	62.520	ug/l		96
42) 1,2-Dichloroethane	6.086	62	262211	55.069	ug/l		99
43) Isopropyl Acetate	6.336	43	354544	58.622	ug/l		100
44) Trichloroethene	7.122	130	185363	50.782	ug/l		96
45) 1,2-Dichloropropane	7.427	63	191861	54.156	ug/l		97
46) Dibromomethane	7.580	93	133790	54.505	ug/l		100
47) Bromodichloromethane	7.817	83	291450	55.607	ug/l		99
48) Methyl methacrylate	7.689	41	183752	58.841	ug/l		98
49) 1,4-Dioxane	7.659	88	45551	1258.852	ug/l		99
51) 4-Methyl-2-Pentanone	8.567	43	1050082	294.193	ug/l		100
52) Toluene	8.714	92	458577	52.775	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	268066	57.309	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	300493	56.281	ug/l		97
55) 1,1,2-Trichloroethane	9.146	97	181961	56.221	ug/l		98
56) Ethyl methacrylate	9.116	69	261996	58.487	ug/l		99
57) 1,3-Dichloropropane	9.305	76	307072	55.100	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	750523	297.352	ug/l		99
59) 2-Hexanone	9.427	43	714728	301.884	ug/l		99
60) Dibromochloromethane	9.518	129	217275	56.096	ug/l		98
61) 1,2-Dibromoethane	9.610	107	182626	56.184	ug/l		100
64) Tetrachloroethene	9.274	164	154054	51.447	ug/l		91
65) Chlorobenzene	10.079	112	519904	53.468	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.158	131	182763	55.912	ug/l		100
67) Ethyl Benzene	10.189	91	895395	53.771	ug/l		99
68) m/p-Xylenes	10.299	106	673223	107.290	ug/l		99
69) o-Xylene	10.640	106	328951	54.271	ug/l		99
70) Styrene	10.652	104	575709	55.516	ug/l		100
71) Bromoform	10.799	173	139236	57.288	ug/l	#	97
73) Isopropylbenzene	10.957	105	877918	54.059	ug/l		99
74) N-amyl acetate	10.841	43	314316	56.957	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	247309	55.381	ug/l		99
76) 1,2,3-Trichloropropane	11.237	75	196306m	54.995	ug/l		
77) Bromobenzene	11.195	156	214087	52.925	ug/l		98
78) n-propylbenzene	11.298	91	1034484	52.828	ug/l		99
79) 2-Chlorotoluene	11.359	91	601179	51.994	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	711235	53.899	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	73354	55.146	ug/l		97
82) 4-Chlorotoluene	11.451	91	713998	53.511	ug/l		100
83) tert-Butylbenzene	11.713	119	732365	53.736	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	714758	53.589	ug/l		97
85) sec-Butylbenzene	11.890	105	903499	52.579	ug/l		100
86) p-Isopropyltoluene	12.006	119	757887	52.668	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	398386	52.660	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	402250	51.089	ug/l		100
89) n-Butylbenzene	12.329	91	710200	52.526	ug/l		100
90) Hexachloroethane	12.536	117	135916	53.280	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	386093	52.664	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	44132	56.504	ug/l		95
93) 1,2,4-Trichlorobenzene	13.585	180	262781	52.762	ug/l		99
94) Hexachlorobutadiene	13.725	225	95431	50.808	ug/l		99
95) Naphthalene	13.774	128	748433	57.028	ug/l		100
96) 1,2,3-Trichlorobenzene	13.956	180	253738	53.919	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046933.D
Acq On : 10 Jul 2025 09:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 11 07:53:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

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

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

Sample Results: **VX046933.D**

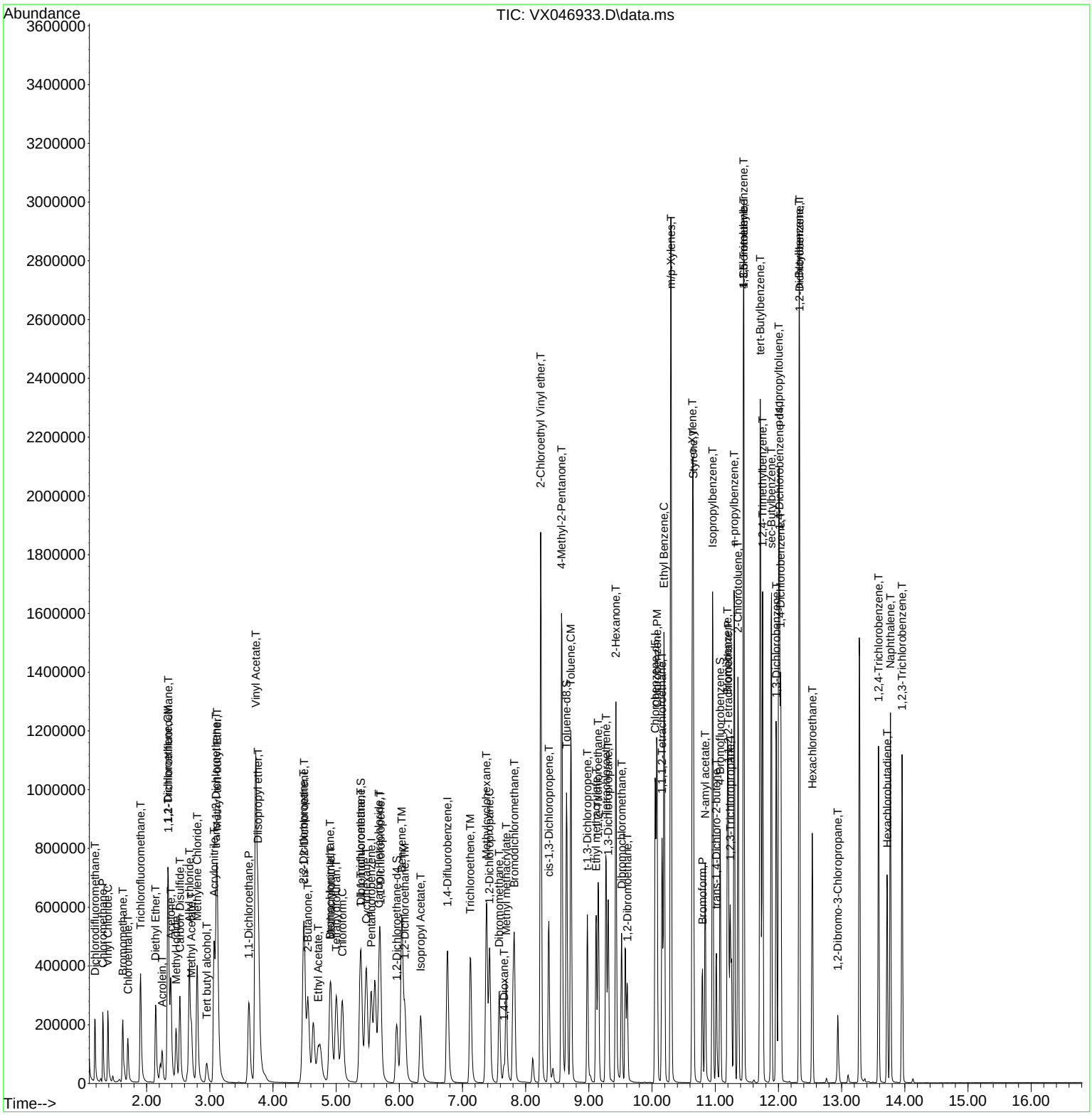
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046933.D
Acq On : 10 Jul 2025 09:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 11 07:53:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



Sample Results: **VX046933.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046933.D
Acq On : 10 Jul 2025 09:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jul 11 07:53:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 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	84	0.00
2	T	Dichlorodifluoromethane	0.478	0.491	-2.7	85	0.00
3	P	Chloromethane	0.522	0.530	-1.5	88	0.00
4	C	Vinyl Chloride	0.569	0.575	-1.1#	88	0.00
5	T	Bromomethane	0.366	0.384	-4.9	90	0.00
6	T	Chloroethane	0.376	0.378	-0.5	92	0.00
7	T	Trichlorofluoromethane	0.880	0.925	-5.1	91	0.00
8	T	Diethyl Ether	0.313	0.349	-11.5	96	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.561	0.602	-7.3	92	0.00
10	T	Methyl Iodide	0.611	0.667	-9.2	89	0.00
11	T	Tert butyl alcohol	0.043	0.053	-23.3	105	0.00
12	CM	1,1-Dichloroethene	0.542	0.561	-3.5#	90	0.00
13	T	Acrolein	0.052	0.056	-7.7	103	0.00
14	T	Allyl chloride	0.965	1.042	-8.0	93	0.00
15	T	Acrylonitrile	0.250	0.291	-16.4	99	0.00
16	T	Acetone	0.205	0.237	-15.6	103	0.00
17	T	Carbon Disulfide	1.422	1.331	6.4	83	0.00
18	T	Methyl Acetate	0.541	0.697	-28.8#	106	0.00
19	T	Methyl tert-butyl Ether	1.531	1.789	-16.9	98	0.00
20	T	Methylene Chloride	0.607	0.664	-9.4	95	0.00
21	T	trans-1,2-Dichloroethene	0.555	0.582	-4.9	90	0.00
22	T	Diisopropyl ether	1.865	2.166	-16.1	96	0.00
23	T	Vinyl Acetate	1.397	1.600	-14.5	95	0.00
24	P	1,1-Dichloroethane	1.064	1.156	-8.6	94	0.00
25	T	2-Butanone	0.274	0.323	-17.9	99	-0.01
26	T	2,2-Dichloropropane	0.792	0.840	-6.1	93	0.00
27	T	cis-1,2-Dichloroethene	0.677	0.724	-6.9	92	0.00
28	T	Bromochloromethane	0.525	0.563	-7.2	90	0.00
29	T	Tetrahydrofuran	0.175	0.206	-17.7	99	0.00
30	C	Chloroform	1.087	1.184	-8.9#	95	0.00
31	T	Cyclohexane	0.944	0.949	-0.5	87	0.00
32	T	1,1,1-Trichloroethane	0.908	0.966	-6.4	92	-0.01
33	S	1,2-Dichloroethane-d4	0.661	0.672	-1.7	87	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	84	0.00
35	S	Dibromofluoromethane	0.339	0.344	-1.5	85	0.00
36	T	1,1-Dichloropropene	0.458	0.460	-0.4	88	0.00
37	T	Ethyl Acetate	0.390	0.405	-3.8	95	0.00
38	T	Carbon Tetrachloride	0.484	0.514	-6.2	91	-0.01
39	T	Methylcyclohexane	0.573	0.572	0.2	85	0.00
40	TM	Benzene	1.385	1.459	-5.3	91	-0.01
41	T	Methacrylonitrile	0.208	0.260	-25.0#	103	0.00
42	TM	1,2-Dichloroethane	0.470	0.518	-10.2	95	0.00
43	T	Isopropyl Acetate	0.597	0.700	-17.3	95	0.00
44	TM	Trichloroethene	0.361	0.366	-1.4	90	0.00
45	C	1,2-Dichloropropane	0.350	0.379	-8.3#	92	0.00
46	T	Dibromomethane	0.242	0.264	-9.1	93	0.00
47	T	Bromodichloromethane	0.518	0.576	-11.2	95	0.00
48	T	Methyl methacrylate	0.308	0.363	-17.9	95	0.00

Sample Results: **VX046933.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046933.D
Acq On : 10 Jul 2025 09:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jul 11 07:53:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.004	0.004	0.0	104	0.00
50	S	Toluene-d8	1.197	1.173	2.0	83	0.00
51	T	4-Methyl-2-Pentanone	0.353	0.415	-17.6	95	0.00
52	CM	Toluene	0.858	0.906	-5.6#	91	0.00
53	T	t-1,3-Dichloropropene	0.462	0.530	-14.7	94	0.00
54	T	cis-1,3-Dichloropropene	0.527	0.594	-12.7	94	0.00
55	T	1,1,2-Trichloroethane	0.320	0.359	-12.2	95	0.00
56	T	Ethyl methacrylate	0.442	0.518	-17.2	95	0.00
57	T	1,3-Dichloropropane	0.550	0.607	-10.4	94	0.00
58	T	2-Chloroethyl Vinyl ether	0.249	0.297	-19.3	94	0.00
59	T	2-Hexanone	0.234	0.282	-20.5	96	0.00
60	T	Dibromochloromethane	0.383	0.429	-12.0	96	0.00
61	T	1,2-Dibromoethane	0.321	0.361	-12.5	95	0.00
62	S	4-Bromofluorobenzene	0.455	0.452	0.7	84	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	83	0.00
64	T	Tetrachloroethene	0.333	0.343	-3.0	91	0.00
65	PM	Chlorobenzene	1.081	1.156	-6.9	92	0.00
66	T	1,1,1,2-Tetrachloroethane	0.363	0.406	-11.8	94	0.00
67	C	Ethyl Benzene	1.851	1.991	-7.6#	91	0.00
68	T	m/p-Xylenes	0.698	0.748	-7.2	91	0.00
69	T	o-Xylene	0.674	0.731	-8.5	92	0.00
70	T	Styrene	1.153	1.280	-11.0	91	0.00
71	P	Bromoform	0.270	0.310	-14.8	96	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	87	0.00
73	T	Isopropylbenzene	3.515	3.800	-8.1	91	0.00
74	T	N-amyl acetate	1.194	1.361	-14.0	93	0.00
75	P	1,1,2,2-Tetrachloroethane	0.966	1.071	-10.9	96	0.00
76	T	1,2,3-Trichloropropane	0.773	0.850	-10.0	93	0.00
77	T	Bromobenzene	0.875	0.927	-5.9	92	0.00
78	T	n-propylbenzene	4.238	4.478	-5.7	90	0.00
79	T	2-Chlorotoluene	2.503	2.602	-4.0	91	0.00
80	T	1,3,5-Trimethylbenzene	2.856	3.079	-7.8	91	0.00
81	T	trans-1,4-Dichloro-2-butene	0.288	0.318	-10.4	94	0.00
82	T	4-Chlorotoluene	2.888	3.091	-7.0	92	0.00
83	T	tert-Butylbenzene	2.950	3.170	-7.5	91	0.00
84	T	1,2,4-Trimethylbenzene	2.887	3.094	-7.2	91	0.00
85	T	sec-Butylbenzene	3.719	3.911	-5.2	90	0.00
86	T	p-Isopropyltoluene	3.114	3.281	-5.4	90	0.00
87	T	1,3-Dichlorobenzene	1.637	1.724	-5.3	92	0.00
88	T	1,4-Dichlorobenzene	1.704	1.741	-2.2	92	0.00
89	T	n-Butylbenzene	2.926	3.074	-5.1	89	0.00
90	T	Hexachloroethane	0.552	0.588	-6.5	92	0.00
91	T	1,2-Dichlorobenzene	1.587	1.671	-5.3	92	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.169	0.191	-13.0	97	0.00
93	T	1,2,4-Trichlorobenzene	1.078	1.137	-5.5	91	0.00
94	T	Hexachlorobutadiene	0.407	0.413	-1.5	87	0.00
95	T	Naphthalene	2.840	3.240	-14.1	92	0.00

Sample Results: **VX046933.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046933.D
Acq On : 10 Jul 2025 09:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jul 11 07:53:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 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	1.019	1.098	-7.8	91	0.00

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

Evaluate Continuing Calibration Report

Sample Results: **VX046933.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046933.D
Acq On : 10 Jul 2025 09:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jul 11 07:53:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 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	84	0.00
2	T	Dichlorodifluoromethane	50.000	51.309	-2.6	85	0.00
3	P	Chloromethane	50.000	50.717	-1.4	88	0.00
4	C	Vinyl Chloride	50.000	50.503	-1.0#	88	0.00
5	T	Bromomethane	50.000	52.473	-4.9	90	0.00
6	T	Chloroethane	50.000	50.280	-0.6	92	0.00
7	T	Trichlorofluoromethane	50.000	52.565	-5.1	91	0.00
8	T	Diethyl Ether	50.000	55.664	-11.3	96	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	53.708	-7.4	92	0.00
10	T	Methyl Iodide	50.000	54.611	-9.2	89	0.00
11	T	Tert butyl alcohol	250.000	303.026	-21.2	105	0.00
12	CM	1,1-Dichloroethene	50.000	51.712	-3.4#	90	0.00
13	T	Acrolein	250.000	291.173	-16.5	103	0.00
14	T	Allyl chloride	50.000	53.998	-8.0	93	0.00
15	T	Acrylonitrile	250.000	289.980	-16.0	99	0.00
16	T	Acetone	250.000	288.263	-15.3	103	0.00
17	T	Carbon Disulfide	50.000	46.811	6.4	83	0.00
18	T	Methyl Acetate	50.000	64.467	-28.9#	106	0.00
19	T	Methyl tert-butyl Ether	50.000	58.411	-16.8	98	0.00
20	T	Methylene Chloride	50.000	54.721	-9.4	95	0.00
21	T	trans-1,2-Dichloroethene	50.000	52.410	-4.8	90	0.00
22	T	Diisopropyl ether	50.000	58.072	-16.1	96	0.00
23	T	Vinyl Acetate	250.000	286.319	-14.5	95	0.00
24	P	1,1-Dichloroethane	50.000	54.341	-8.7	94	0.00
25	T	2-Butanone	250.000	295.023	-18.0	99	-0.01
26	T	2,2-Dichloropropane	50.000	53.046	-6.1	93	0.00
27	T	cis-1,2-Dichloroethene	50.000	53.411	-6.8	92	0.00
28	T	Bromochloromethane	50.000	53.663	-7.3	90	0.00
29	T	Tetrahydrofuran	250.000	295.346	-18.1	99	0.00
30	C	Chloroform	50.000	54.475	-9.0#	95	0.00
31	T	Cyclohexane	50.000	50.264	-0.5	87	0.00
32	T	1,1,1-Trichloroethane	50.000	53.185	-6.4	92	-0.01
33	S	1,2-Dichloroethane-d4	50.000	50.904	-1.8	87	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	84	0.00
35	S	Dibromofluoromethane	50.000	50.712	-1.4	85	0.00
36	T	1,1-Dichloropropene	50.000	50.259	-0.5	88	0.00
37	T	Ethyl Acetate	50.000	51.873	-3.7	95	0.00
38	T	Carbon Tetrachloride	50.000	53.130	-6.3	91	-0.01
39	T	Methylcyclohexane	50.000	49.948	0.1	85	0.00
40	TM	Benzene	50.000	52.669	-5.3	91	-0.01
41	T	Methacrylonitrile	50.000	62.520	-25.0#	103	0.00
42	TM	1,2-Dichloroethane	50.000	55.069	-10.1	95	0.00
43	T	Isopropyl Acetate	50.000	58.622	-17.2	95	0.00
44	TM	Trichloroethene	50.000	50.782	-1.6	90	0.00
45	C	1,2-Dichloropropane	50.000	54.156	-8.3#	92	0.00
46	T	Dibromomethane	50.000	54.505	-9.0	93	0.00
47	T	Bromodichloromethane	50.000	55.607	-11.2	95	0.00
48	T	Methyl methacrylate	50.000	58.841	-17.7	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046933.D
Acq On : 10 Jul 2025 09:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jul 11 07:53:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 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	1258.852	-25.9#	104	0.00
50	S	Toluene-d8	50.000	48.959	2.1	83	0.00
51	T	4-Methyl-2-Pentanone	250.000	294.193	-17.7	95	0.00
52	CM	Toluene	50.000	52.775	-5.5#	91	0.00
53	T	t-1,3-Dichloropropene	50.000	57.309	-14.6	94	0.00
54	T	cis-1,3-Dichloropropene	50.000	56.281	-12.6	94	0.00
55	T	1,1,2-Trichloroethane	50.000	56.221	-12.4	95	0.00
56	T	Ethyl methacrylate	50.000	58.487	-17.0	95	0.00
57	T	1,3-Dichloropropane	50.000	55.100	-10.2	94	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	297.352	-18.9	94	0.00
59	T	2-Hexanone	250.000	301.884	-20.8	96	0.00
60	T	Dibromochloromethane	50.000	56.096	-12.2	96	0.00
61	T	1,2-Dibromoethane	50.000	56.184	-12.4	95	0.00
62	S	4-Bromofluorobenzene	50.000	49.699	0.6	84	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	83	0.00
64	T	Tetrachloroethene	50.000	51.447	-2.9	91	0.00
65	PM	Chlorobenzene	50.000	53.468	-6.9	92	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	55.912	-11.8	94	0.00
67	C	Ethyl Benzene	50.000	53.771	-7.5#	91	0.00
68	T	m/p-Xylenes	100.000	107.290	-7.3	91	0.00
69	T	o-Xylene	50.000	54.271	-8.5	92	0.00
70	T	Styrene	50.000	55.516	-11.0	91	0.00
71	P	Bromoform	50.000	57.288	-14.6	96	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	87	0.00
73	T	Isopropylbenzene	50.000	54.059	-8.1	91	0.00
74	T	N-amyl acetate	50.000	56.957	-13.9	93	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	55.381	-10.8	96	0.00
76	T	1,2,3-Trichloropropane	50.000	54.995	-10.0	93	0.00
77	T	Bromobenzene	50.000	52.925	-5.8	92	0.00
78	T	n-propylbenzene	50.000	52.828	-5.7	90	0.00
79	T	2-Chlorotoluene	50.000	51.994	-4.0	91	0.00
80	T	1,3,5-Trimethylbenzene	50.000	53.899	-7.8	91	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	55.146	-10.3	94	0.00
82	T	4-Chlorotoluene	50.000	53.511	-7.0	92	0.00
83	T	tert-Butylbenzene	50.000	53.736	-7.5	91	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.589	-7.2	91	0.00
85	T	sec-Butylbenzene	50.000	52.579	-5.2	90	0.00
86	T	p-Isopropyltoluene	50.000	52.668	-5.3	90	0.00
87	T	1,3-Dichlorobenzene	50.000	52.660	-5.3	92	0.00
88	T	1,4-Dichlorobenzene	50.000	51.089	-2.2	92	0.00
89	T	n-Butylbenzene	50.000	52.526	-5.1	89	0.00
90	T	Hexachloroethane	50.000	53.280	-6.6	92	0.00
91	T	1,2-Dichlorobenzene	50.000	52.664	-5.3	92	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	56.504	-13.0	97	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.762	-5.5	91	0.00
94	T	Hexachlorobutadiene	50.000	50.808	-1.6	87	0.00
95	T	Naphthalene	50.000	57.028	-14.1	92	0.00

Sample Results: **VX046933.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046933.D
Acq On : 10 Jul 2025 09:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jul 11 07:53:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	53.919	-7.8	91	0.00

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

QC SAMPLE DATA

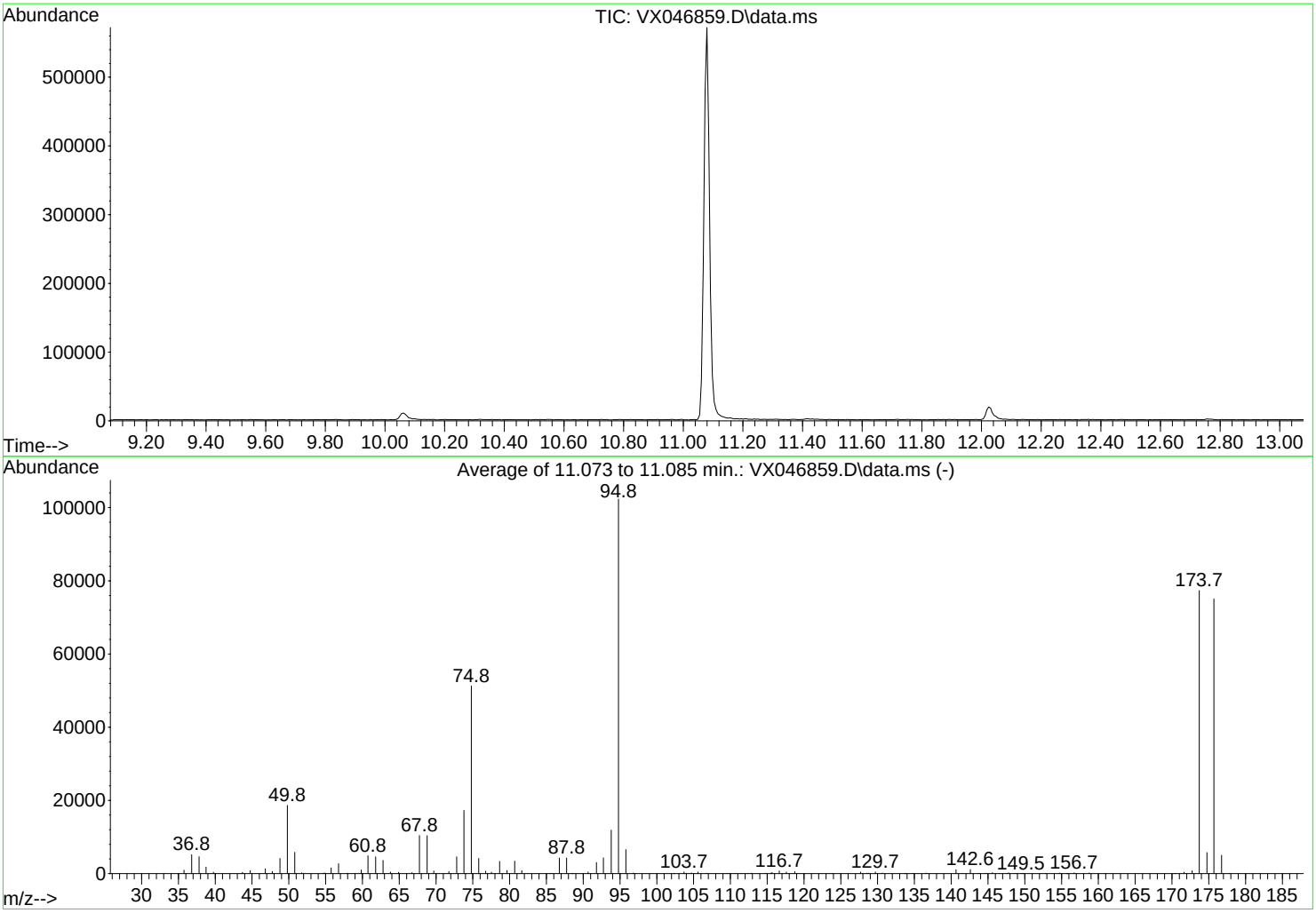
Sample Results: **VX046859.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046859.D
Acq On : 02 Jul 2025 11:12
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\82X070225W.M
Title : SW846 8260
Last Update : Thu Jul 03 05:51:11 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	18.2	18657	PASS
75	95	30	60	50.1	51248	PASS
95	95	100	100	100.0	102357	PASS
96	95	5	9	6.4	6574	PASS
173	174	0.00	2	1.0	779	PASS
174	95	50	100	75.5	77328	PASS
175	174	5	9	7.4	5758	PASS
176	174	95	101	97.1	75051	PASS
177	176	5	9	6.7	5020	PASS

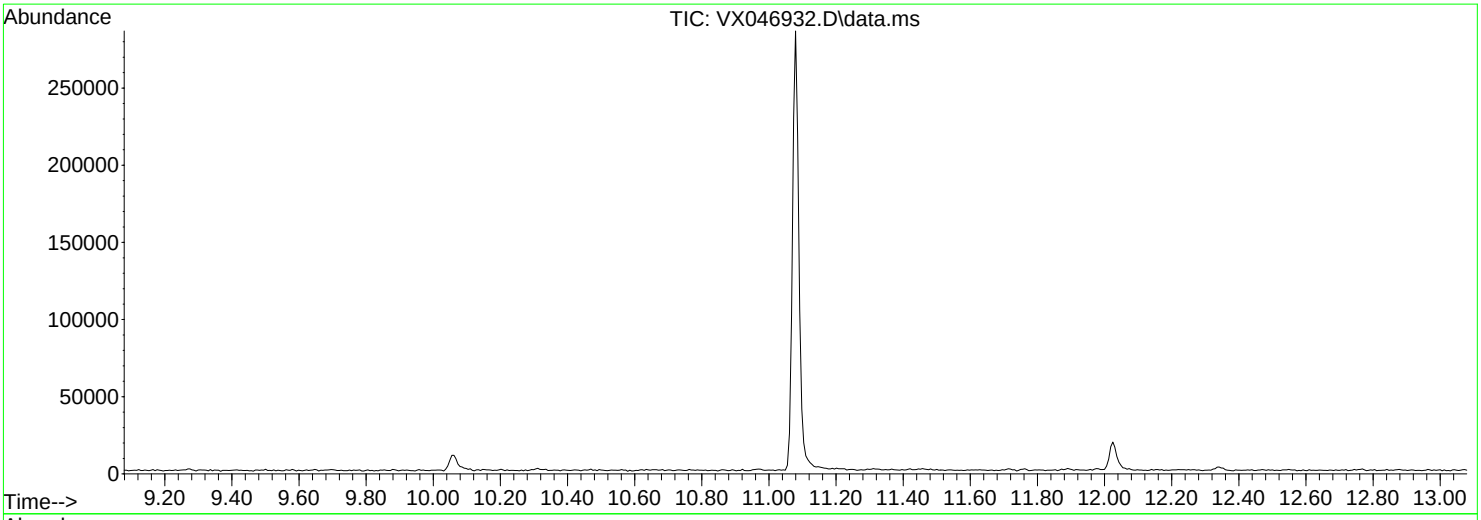
Sample Results: **VX046932.D**

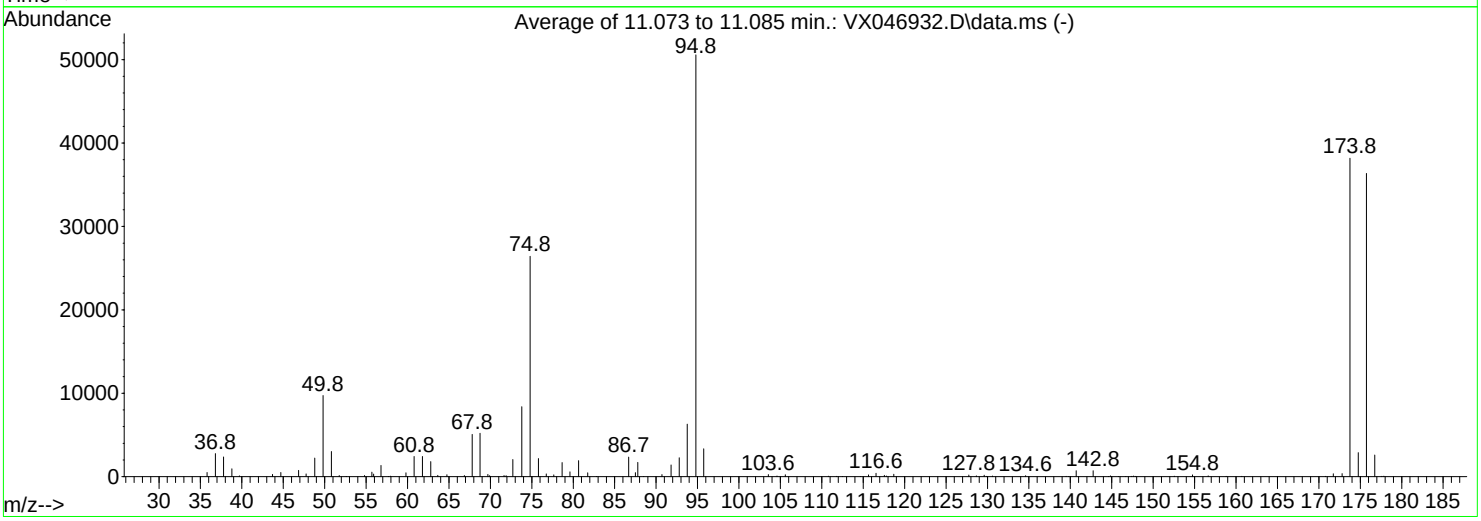
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046932.D
Acq On : 10 Jul 2025 08:43
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Title : SW846 8260
Last Update : Thu Jul 03 05:51:11 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	19.2	9734	PASS
75	95	30	60	52.3	26427	PASS
95	95	100	100	100.0	50573	PASS
96	95	5	9	6.6	3335	PASS
173	174	0.00	2	1.0	375	PASS
174	95	50	100	75.5	38187	PASS
175	174	5	9	7.6	2886	PASS
176	174	95	101	95.2	36363	PASS
177	176	5	9	7.1	2582	PASS

Raw Data: **VX046935.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VX0710WBL01	SDG No.:	Q2554
Lab Sample ID:	VX0710WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046935.D	1	07/10/25 11:44	VX071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	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	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	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	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	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	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	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:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VX0710WBL01	SDG No.:	Q2554
Lab Sample ID:	VX0710WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046935.D	1	07/10/25 11:44	VX071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	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	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.6		74 - 125	113%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		75 - 124	99%	SPK: 50
2037-26-5	Toluene-d8	50.8		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		77 - 121	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	311000	5.555			
540-36-3	1,4-Difluorobenzene	569000	6.763			
3114-55-4	Chlorobenzene-d5	544000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	272000	12.018			

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VX0710WBL01	SDG No.:	Q2554
Lab Sample ID:	VX0710WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046935.D	1	07/10/25 11:44	VX071025

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\VX071025\
Data File : VX046935.D
Acq On : 10 Jul 2025 11:44
Operator : JC/MD
Sample : VX0710WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0710WBL01

Quant Time: Jul 11 01:26:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.555	168	311309	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	568946	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	543608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	271904	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	232769	56.598	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.200%			
35) Dibromofluoromethane	5.391	113	191587	49.608	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.220%			
50) Toluene-d8	8.646	98	692184	50.799	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.600%			
62) 4-Bromofluorobenzene	11.079	95	266771	51.513	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.020%			

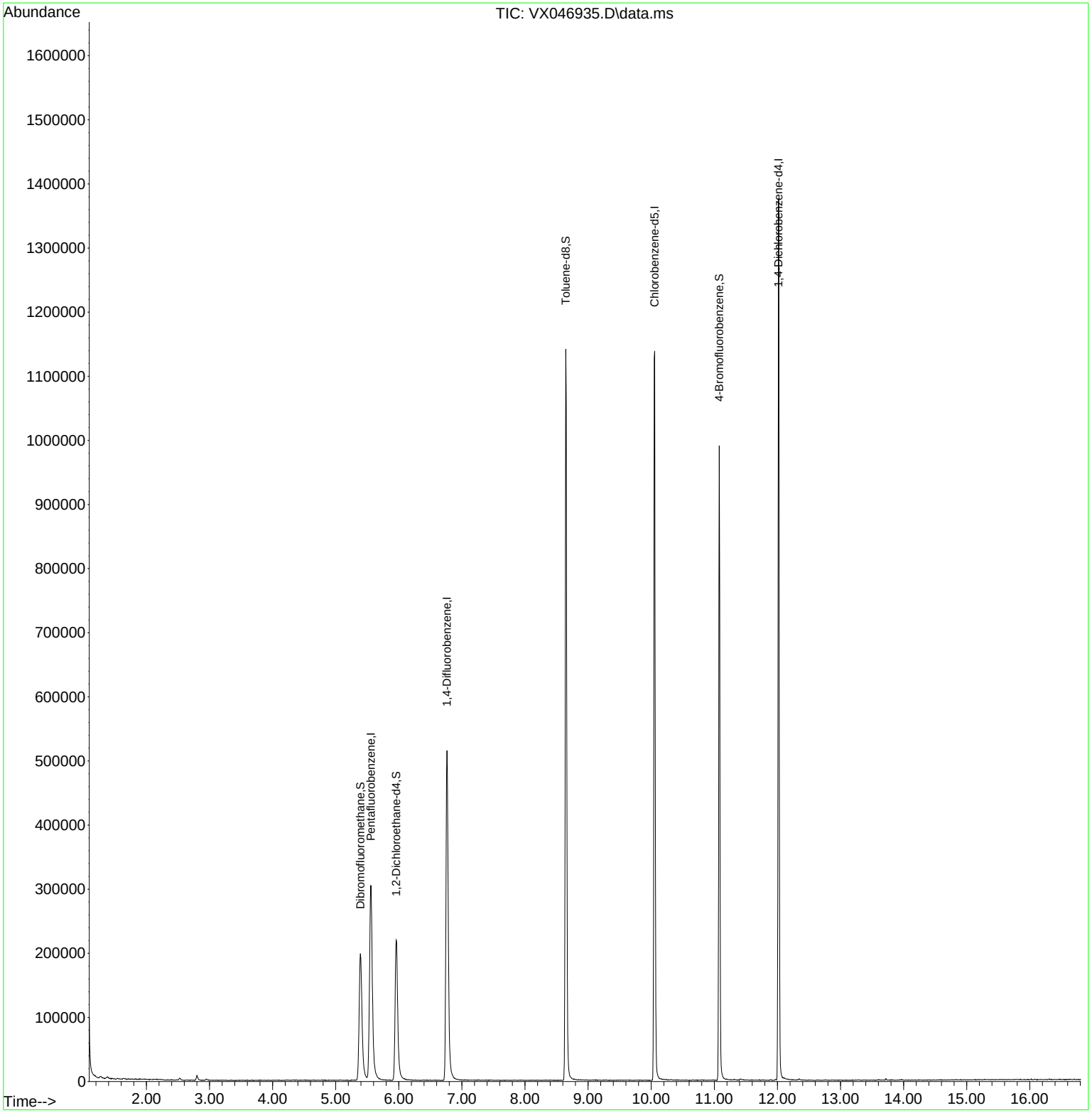
Target Compounds Qvalue

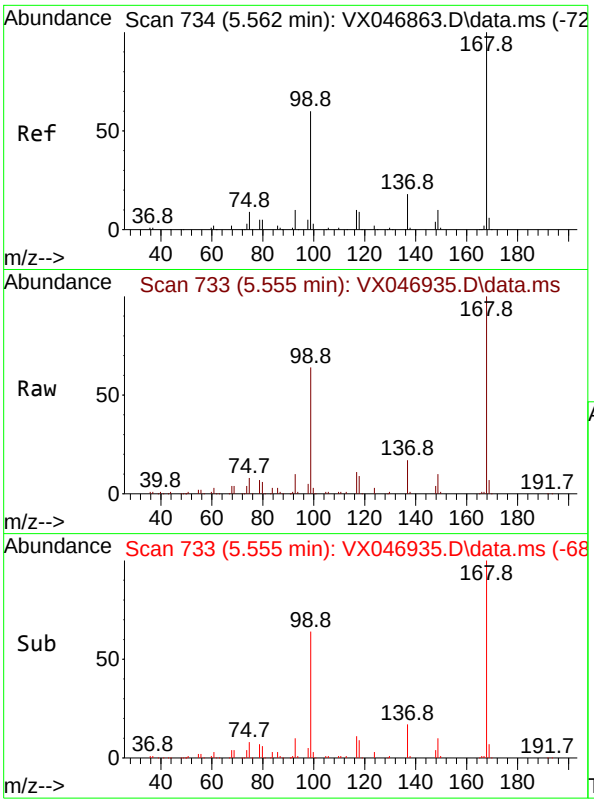
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046935.D
Acq On : 10 Jul 2025 11:44
Operator : JC/MD
Sample : VX0710WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0710WBL01

Quant Time: Jul 11 01:26:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration



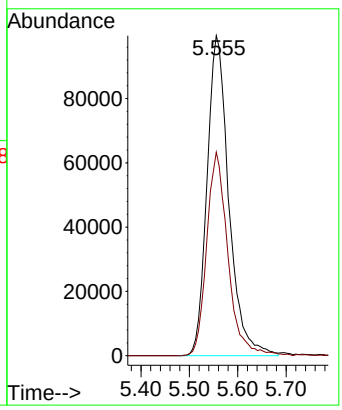


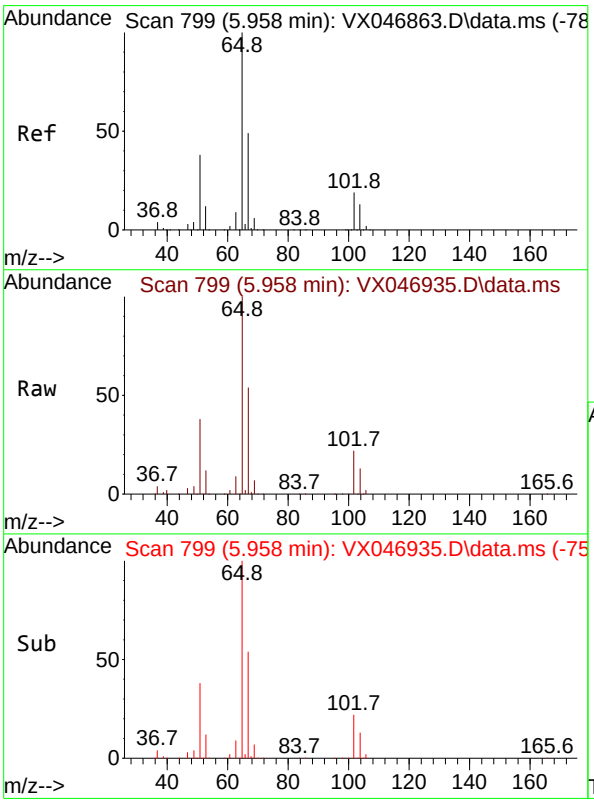
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.555 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX046935.D
Acq: 10 Jul 2025 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0710WBL01

Tgt Ion:168 Resp: 311309

Ion	Ratio	Lower	Upper
168	100		
99	63.6	48.8	73.2

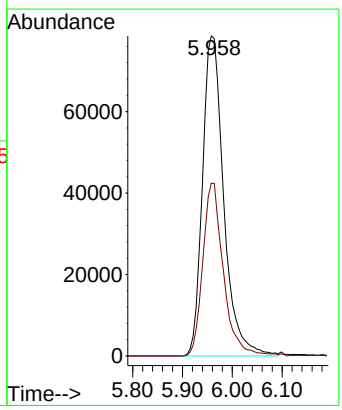


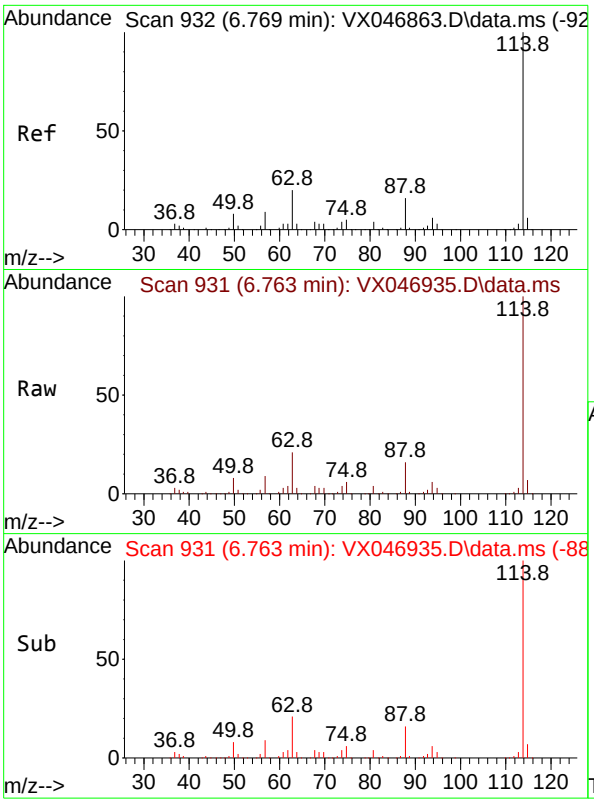


#33
1,2-Dichloroethane-d4
Concen: 56.598 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX046935.D
Acq: 10 Jul 2025 11:44

Tgt Ion: 65 Resp: 232769

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	105.2



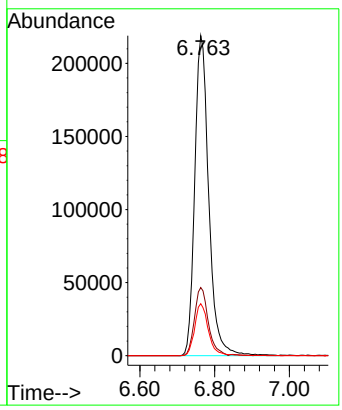


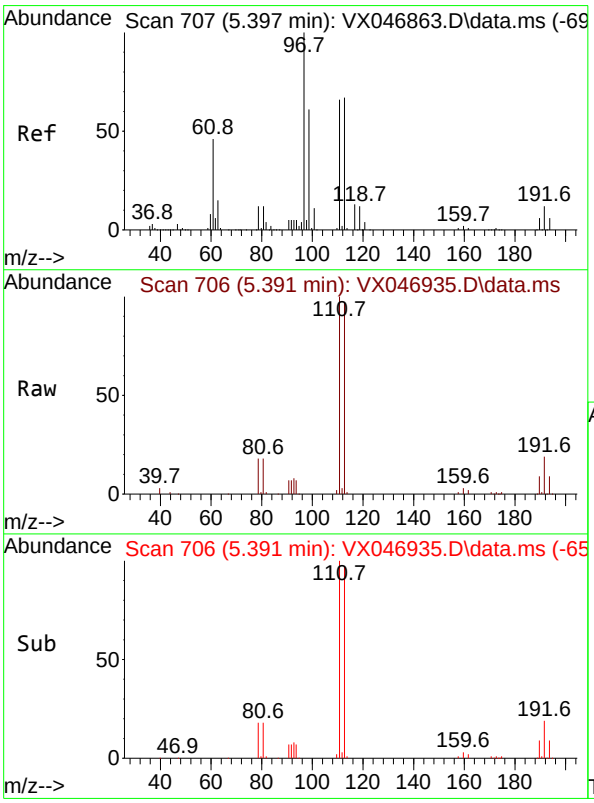
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 9
Delta R.T. -0.007 min
Lab File: VX046935.D
Acq: 10 Jul 2025 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0710WBL01

Tgt Ion:114 Resp: 568946

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	40.4
88	16.3	0.0	31.0

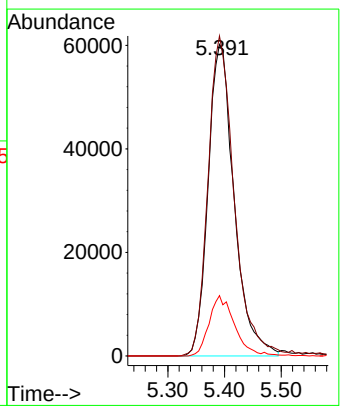


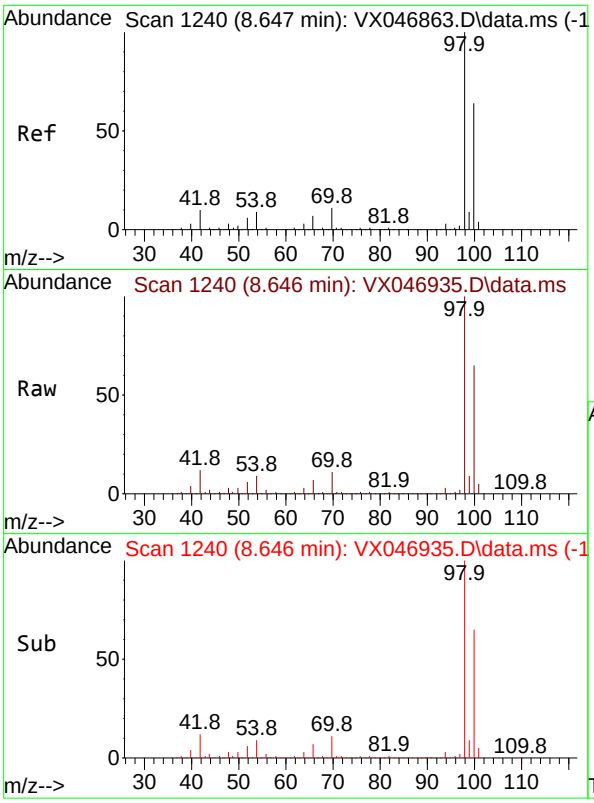


#35
Dibromofluoromethane
Concen: 49.608 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.007 min
Lab File: VX046935.D
Acq: 10 Jul 2025 11:44

Tgt Ion:113 Resp: 191587

Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.2	121.8
192	19.1	15.3	22.9



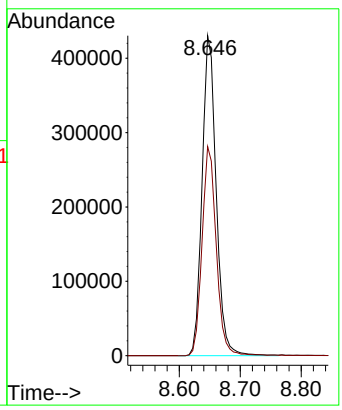


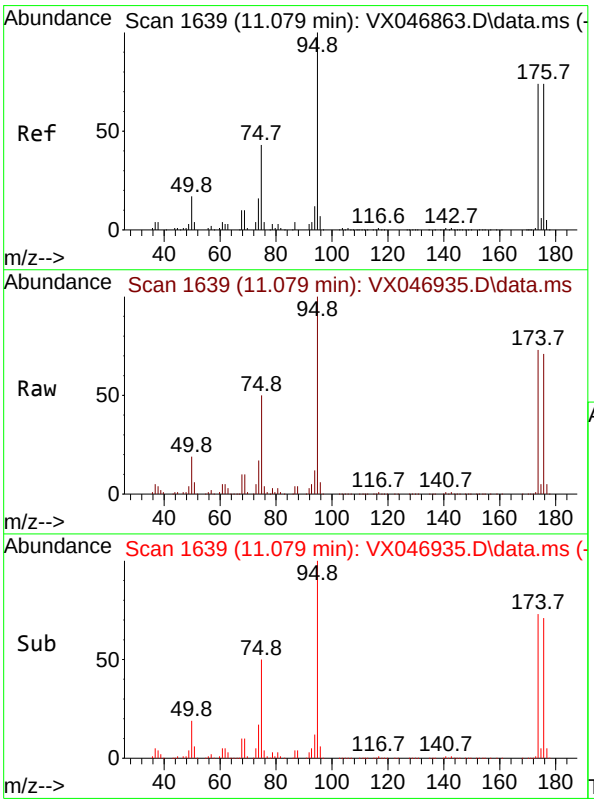
#50
Toluene-d8
Concen: 50.799 ug/l
RT: 8.646 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046935.D
Acq: 10 Jul 2025 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0710WBL01

Tgt Ion: 98 Resp: 692184

Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.0	79.6

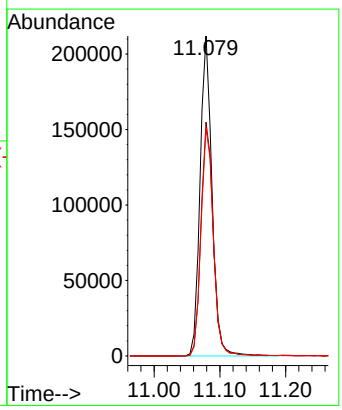


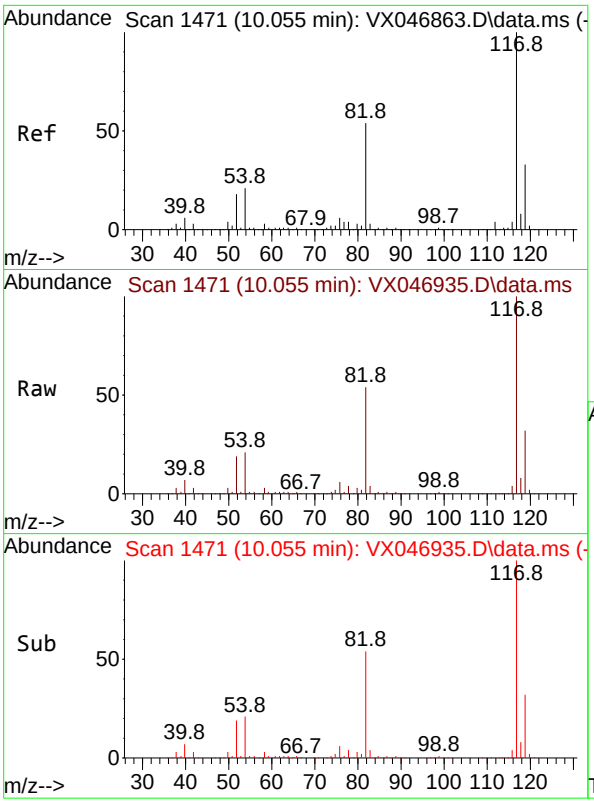


#62
4-Bromofluorobenzene
Concen: 51.513 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046935.D
Acq: 10 Jul 2025 11:44

Tgt Ion: 95 Resp: 266771

Ion	Ratio	Lower	Upper
95	100		
174	75.9	0.0	152.0
176	73.7	0.0	145.2



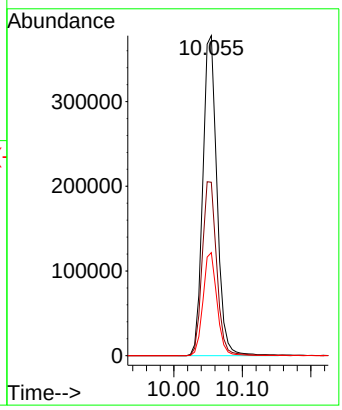


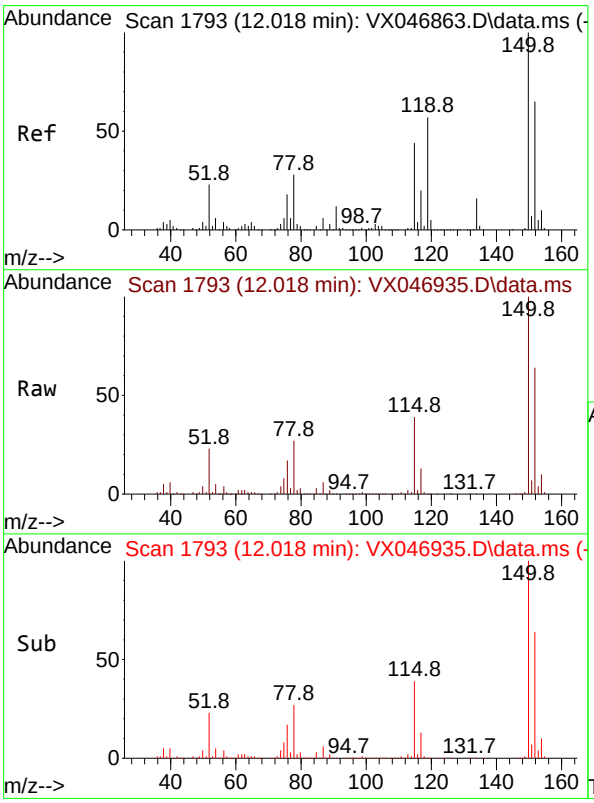
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046935.D
Acq: 10 Jul 2025 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0710WBL01

Tgt Ion:117 Resp: 543608

Ion	Ratio	Lower	Upper
117	100		
82	54.2	43.3	64.9
119	32.2	26.4	39.6

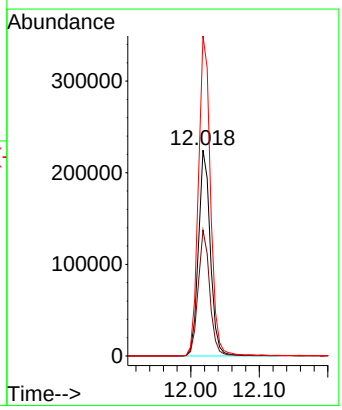




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046935.D
Acq: 10 Jul 2025 11:44

Tgt Ion:152 Resp: 271904

Ion	Ratio	Lower	Upper
152	100		
115	59.8	42.4	127.1
150	158.6	0.0	349.2



Sample Results: **VX046935.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046935.D
Acq On : 10 Jul 2025 11:44
Operator : JC/MD
Sample : VX0710WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0710WBL01

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\82X070225W.M
Title : SW846 8260

Signal : TIC: VX046935.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.391	694	706	723	rBV3	197586	633668	34.11%	6.330%
2	5.555	723	733	755	rVB	302424	944882	50.86%	9.439%
3	5.958	789	799	821	rBV2	218636	646842	34.82%	6.462%
4	6.763	922	931	957	rBV	514445	1339691	72.11%	13.384%
5	8.646	1233	1240	1261	rBV	1140292	1857754	100.00%	18.559%
6	10.055	1465	1471	1487	rBV	1137415	1663715	89.56%	16.621%
7	11.079	1634	1639	1656	rBV	988904	1267962	68.25%	12.667%
8	12.018	1788	1793	1806	rBV	1374516	1655375	89.11%	16.537%

Sum of corrected areas: 10009889

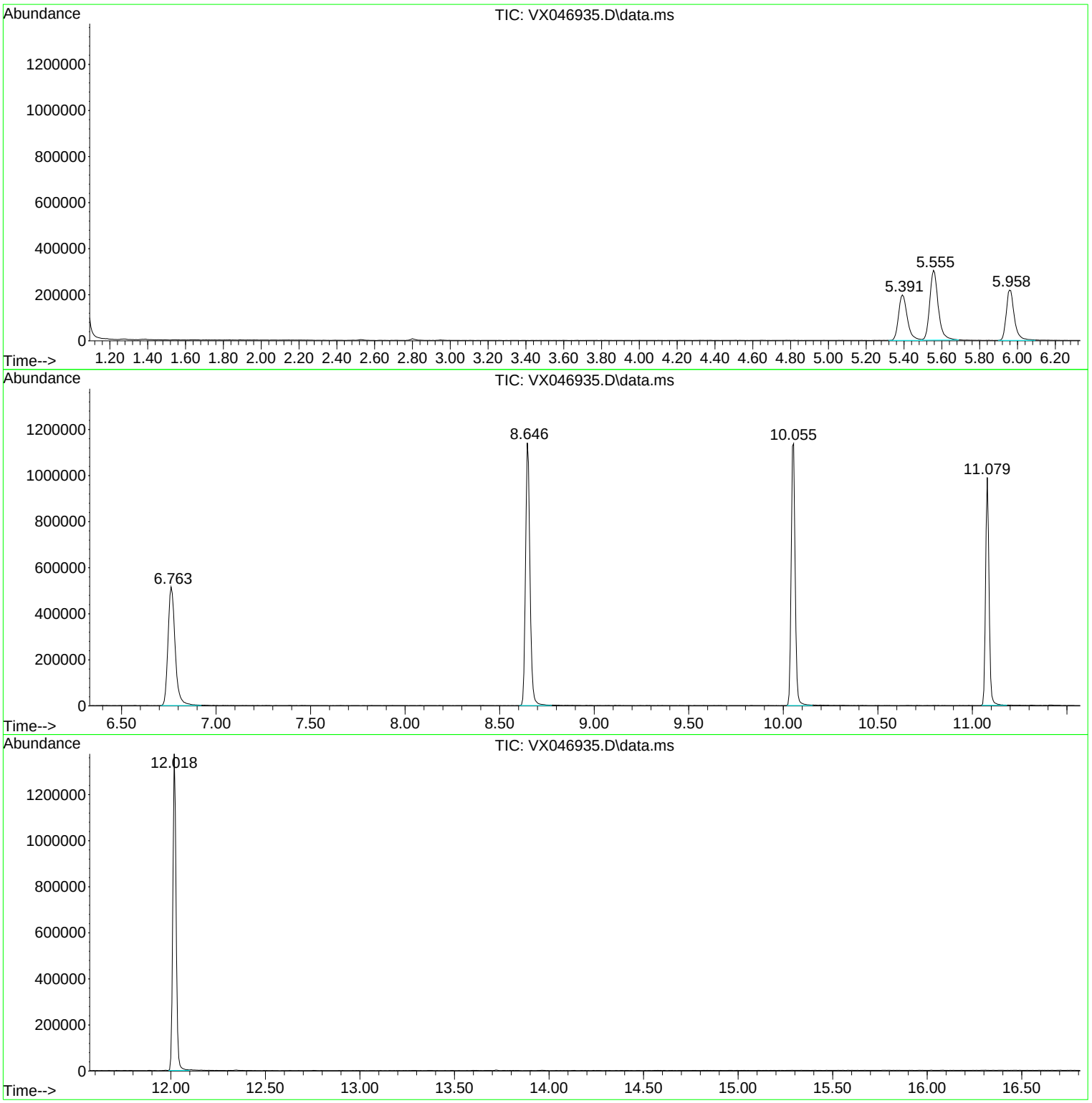
Sample Results: **VX046935.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046935.D
Acq On : 10 Jul 2025 11:44
Operator : JC/MD
Sample : VX0710WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0710WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX046935.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046935.D
Acq On : 10 Jul 2025 11:44
Operator : JC/MD
Sample : VX0710WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0710WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.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\VX071025\
Data File : VX046935.D
Acq On : 10 Jul 2025 11:44
Operator : JC/MD
Sample : VX0710WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0710WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.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: **VX046936.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VX0710WBS01	SDG No.:	Q2554
Lab Sample ID:	VX0710WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046936.D	1	07/10/25 12:10	VX071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.6		0.22	1.00	ug/L
74-87-3	Chloromethane	18.8		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	18.3		0.26	1.00	ug/L
74-83-9	Bromomethane	19.2		1.40	5.00	ug/L
75-00-3	Chloroethane	18.1		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.4		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.6		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.2		0.23	1.00	ug/L
67-64-1	Acetone	96.3		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	16.9		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.0		0.16	1.00	ug/L
79-20-9	Methyl Acetate	23.0		0.27	1.00	ug/L
75-09-2	Methylene Chloride	20.6		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.4		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.9		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.8		1.50	5.00	ug/L
78-93-3	2-Butanone	100		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.5		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.4		0.19	1.00	ug/L
74-97-5	Bromochloromethane	21.7		0.22	1.00	ug/L
67-66-3	Chloroform	19.7		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.3		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	17.8		0.16	1.00	ug/L
71-43-2	Benzene	19.1		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.0		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.3		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.5		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	19.4		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L
108-88-3	Toluene	19.7		0.14	1.00	ug/L

Raw Data: **VX046936.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VX0710WBS01	SDG No.:	Q2554
Lab Sample ID:	VX0710WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046936.D	1	07/10/25 12:10	VX071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.1		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.3		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.5		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	19.9		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.2		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	18.4		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.2		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.3		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	38.5		0.24	2.00	ug/L
95-47-6	o-Xylene	19.1		0.12	1.00	ug/L
100-42-5	Styrene	19.7		0.15	1.00	ug/L
75-25-2	Bromoform	19.4		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	18.9		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.5		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.0		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.5		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.7		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.3		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.8		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.7		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.9		74 - 125	104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	49.9		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.6		77 - 121	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	342000	5.562			
540-36-3	1,4-Difluorobenzene	567000	6.763			
3114-55-4	Chlorobenzene-d5	521000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	270000	12.018			

Raw Data: **VX046936.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VX0710WBS01	SDG No.:	Q2554
Lab Sample ID:	VX0710WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046936.D	1	07/10/25 12:10	VX071025

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\VX071025\
Data File : VX046936.D
Acq On : 10 Jul 2025 12:10
Operator : JC/MD
Sample : VX0710WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 11 01:26:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0710WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	342120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	567066	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	521192	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	270401	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	234548	51.894	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.780%			
35) Dibromofluoromethane	5.391	113	197050	51.192	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.380%			
50) Toluene-d8	8.647	98	678032	49.925	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.860%			
62) 4-Bromofluorobenzene	11.079	95	271465	52.594	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.180%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	61016	18.649	ug/l	96
3) Chloromethane	1.307	50	67307	18.828	ug/l	99
4) Vinyl Chloride	1.386	62	71046	18.250	ug/l	95
5) Bromomethane	1.630	94	48098	19.229	ug/l	95
6) Chloroethane	1.703	64	46534	18.103	ug/l	96
7) Trichlorofluoromethane	1.904	101	116905	19.422	ug/l	98
8) Diethyl Ether	2.148	74	41110	19.192	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.349	101	75030	19.562	ug/l	98
10) Methyl Iodide	2.465	142	74997	17.948	ug/l	99
11) Tert butyl alcohol	2.946	59	30821	103.975	ug/l	99
12) 1,1-Dichloroethene	2.337	96	67539	18.206	ug/l	98
13) Acrolein	2.245	56	31369	97.516	ug/l	99
14) Allyl chloride	2.678	41	124487	18.848	ug/l	100
15) Acrylonitrile	3.068	53	174048	101.555	ug/l	99
16) Acetone	2.386	43	135205	96.305	ug/l	92
17) Carbon Disulfide	2.526	76	164198	16.877	ug/l	99
18) Methyl Acetate	2.715	43	85181	23.019	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	209200	19.969	ug/l	99
20) Methylene Chloride	2.800	84	85351	20.559	ug/l	95
21) trans-1,2-Dichloroethene	3.105	96	73715	19.419	ug/l	95
22) Diisopropyl ether	3.763	45	260326	20.401	ug/l #	79
23) Vinyl Acetate	3.733	43	943294	98.673	ug/l	99
24) 1,1-Dichloroethane	3.617	63	144666	19.879	ug/l	99
25) 2-Butanone	4.562	43	196139	104.714	ug/l	99
26) 2,2-Dichloropropane	4.483	77	100390	18.536	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	89983	19.415	ug/l	99
28) Bromochloromethane	4.903	49	77759	21.650	ug/l	98
29) Tetrahydrofuran	5.013	42	124356	104.148	ug/l	99
30) Chloroform	5.099	83	146648	19.725	ug/l	96
31) Cyclohexane	5.483	56	121774	18.849	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	119784	19.284	ug/l	97
36) 1,1-Dichloropropene	5.702	75	98120	18.893	ug/l	99
37) Ethyl Acetate	4.727	43	83234	18.817	ug/l	98
38) Carbon Tetrachloride	5.684	117	106862	19.463	ug/l	96
39) Methylcyclohexane	7.385	83	115800	17.825	ug/l	98
40) Benzene	6.043	78	299729	19.081	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046936.D
Acq On : 10 Jul 2025 12:10
Operator : JC/MD
Sample : VX0710WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 11 01:26:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0710WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	50916	21.578	ug/l	99
42) 1,2-Dichloroethane	6.092	62	106539	19.973	ug/l	99
43) Isopropyl Acetate	6.342	43	136536	20.152	ug/l	100
44) Trichloroethene	7.129	130	74786	18.289	ug/l	96
45) 1,2-Dichloropropane	7.433	63	77257	19.466	ug/l	96
46) Dibromomethane	7.586	93	54255	19.730	ug/l	100
47) Bromodichloromethane	7.824	83	114011	19.418	ug/l	97
48) Methyl methacrylate	7.696	41	70593	20.179	ug/l	98
49) 1,4-Dioxane	7.665	88	16434	405.420	ug/l	94
51) 4-Methyl-2-Pentanone	8.573	43	422464	105.653	ug/l	99
52) Toluene	8.720	92	191596	19.683	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	99831	19.051	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	115486	19.308	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	74446	20.533	ug/l	97
56) Ethyl methacrylate	9.116	69	97179	19.365	ug/l	95
57) 1,3-Dichloropropane	9.311	76	125336	20.076	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	272902	96.516	ug/l	100
59) 2-Hexanone	9.427	43	285526	107.654	ug/l	99
60) Dibromochloromethane	9.518	129	86441	19.922	ug/l	99
61) 1,2-Dibromoethane	9.610	107	73636	20.222	ug/l	98
64) Tetrachloroethene	9.275	164	63838	18.397	ug/l	98
65) Chlorobenzene	10.079	112	216268	19.192	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	73716	19.460	ug/l	99
67) Ethyl Benzene	10.195	91	372697	19.313	ug/l	100
68) m/p-Xylenes	10.299	106	280311	38.549	ug/l	100
69) o-Xylene	10.640	106	134279	19.117	ug/l	100
70) Styrene	10.652	104	236656	19.693	ug/l	99
71) Bromoform	10.799	173	54539	19.364	ug/l	98
73) Isopropylbenzene	10.957	105	358608	18.866	ug/l	99
74) N-amyl acetate	10.841	43	121038	18.739	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	101874	19.491	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	79044m	18.919	ug/l	
77) Bromobenzene	11.195	156	88746	18.744	ug/l	100
78) n-propylbenzene	11.305	91	429853	18.754	ug/l	99
79) 2-Chlorotoluene	11.360	91	256603	18.960	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	293197	18.983	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	27406	17.602	ug/l	95
82) 4-Chlorotoluene	11.451	91	300271	19.226	ug/l	100
83) tert-Butylbenzene	11.713	119	301031	18.871	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	297901	19.082	ug/l	95
85) sec-Butylbenzene	11.890	105	372487	18.520	ug/l	99
86) p-Isopropyltoluene	12.006	119	314193	18.654	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	168470	19.025	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	170202	18.469	ug/l	99
89) n-Butylbenzene	12.329	91	283785	17.932	ug/l	99
90) Hexachloroethane	12.536	117	53299	17.851	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	160687	18.726	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	17681	19.341	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	103852	17.815	ug/l	99
94) Hexachlorobutadiene	13.725	225	37291	16.962	ug/l	99
95) Naphthalene	13.774	128	295355	19.227	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	102820	18.667	ug/l	100

Sample Results: **VX046936.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046936.D
Acq On : 10 Jul 2025 12:10
Operator : JC/MD
Sample : VX0710WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0710WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

Quant Time: Jul 11 01:26:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

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

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

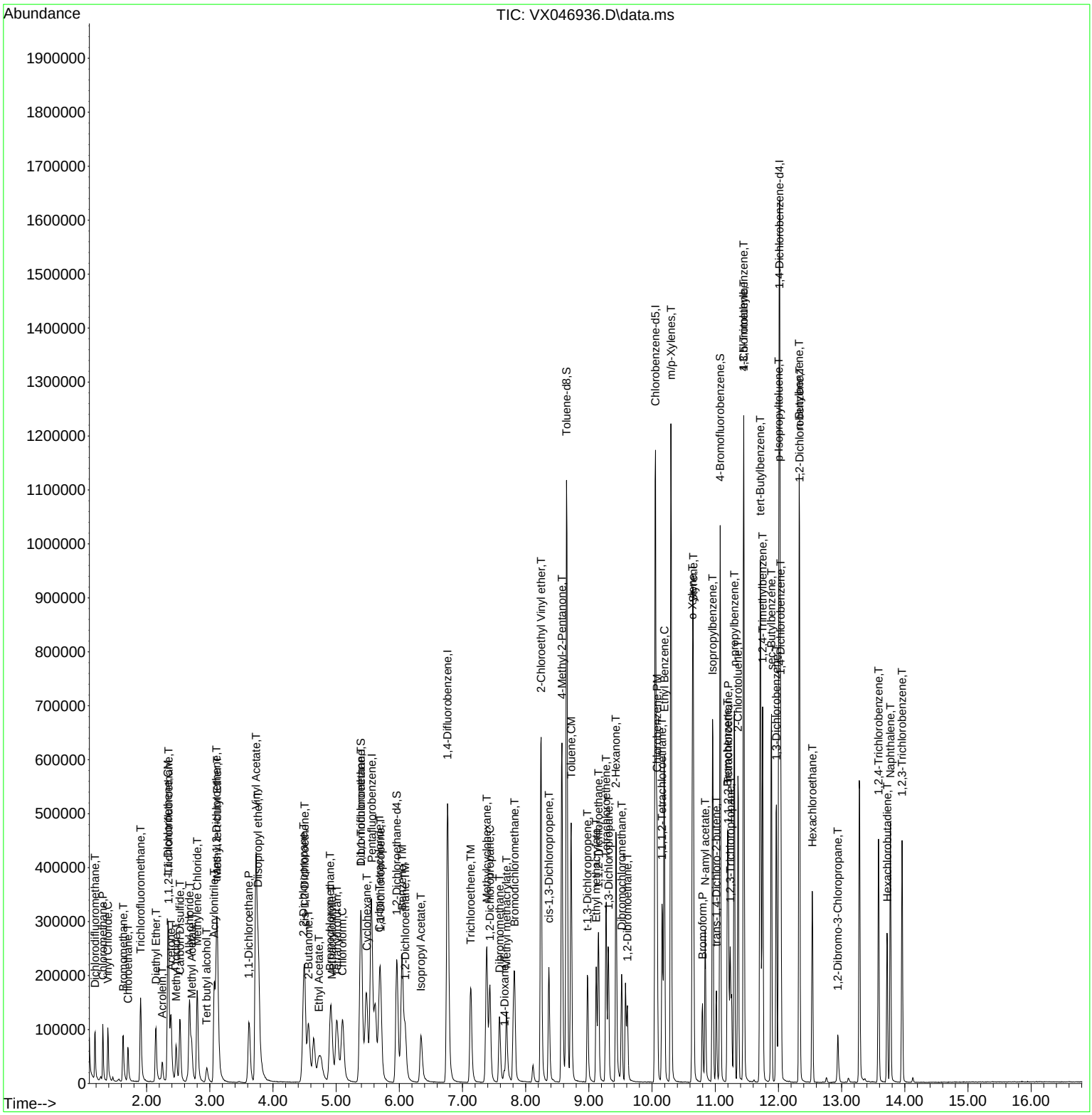
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046936.D
Acq On : 10 Jul 2025 12:10
Operator : JC/MD
Sample : VX0710WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 11 01:26:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0710WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



Raw Data: **VX046937.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VX0710WBSD01	SDG No.:	Q2554
Lab Sample ID:	VX0710WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046937.D	1	07/10/25 12:35	VX071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.6		0.22	1.00	ug/L
74-87-3	Chloromethane	17.9		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	17.5		0.26	1.00	ug/L
74-83-9	Bromomethane	19.1		1.40	5.00	ug/L
75-00-3	Chloroethane	17.7		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.8		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.2		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.0		0.23	1.00	ug/L
67-64-1	Acetone	98.0		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	16.3		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.1		0.16	1.00	ug/L
79-20-9	Methyl Acetate	24.3		0.27	1.00	ug/L
75-09-2	Methylene Chloride	20.6		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.5		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.5		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.9		1.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.5		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.3		0.19	1.00	ug/L
74-97-5	Bromochloromethane	21.4		0.22	1.00	ug/L
67-66-3	Chloroform	20.0		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.5		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	18.2		0.16	1.00	ug/L
71-43-2	Benzene	19.5		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.7		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.7		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.3		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	20.4		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	120		0.68	5.00	ug/L
108-88-3	Toluene	19.9		0.14	1.00	ug/L

Raw Data: **VX046937.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VX0710WBSD01	SDG No.:	Q2554
Lab Sample ID:	VX0710WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046937.D	1	07/10/25 12:35	VX071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.0		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.8		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.2		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	20.7		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.8		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	18.5		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.6		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.5		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	39.1		0.24	2.00	ug/L
95-47-6	o-Xylene	19.2		0.12	1.00	ug/L
100-42-5	Styrene	20.1		0.15	1.00	ug/L
75-25-2	Bromoform	20.1		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	19.4		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.6		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.8		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.8		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.5		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.5		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.2		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.6		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.1		74 - 125	104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	49.6		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.7		77 - 121	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	320000	5.562			
540-36-3	1,4-Difluorobenzene	525000	6.763			
3114-55-4	Chlorobenzene-d5	482000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	249000	12.018			

Raw Data: **VX046937.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VX0710WBSD01	SDG No.:	Q2554
Lab Sample ID:	VX0710WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046937.D	1	07/10/25 12:35	VX071025

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\VX071025\
Data File : VX046937.D
Acq On : 10 Jul 2025 12:35
Operator : JC/MD
Sample : VX0710WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 11 01:27:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0710WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	319533	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	525170	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	482068	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	249133	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	220021	52.121	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.240%			
35) Dibromofluoromethane	5.391	113	182598	51.222	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.440%			
50) Toluene-d8	8.647	98	623409	49.565	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.120%			
62) 4-Bromofluorobenzene	11.079	95	252132	52.745	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	53733	17.584	ug/l	98
3) Chloromethane	1.307	50	59649	17.866	ug/l	94
4) Vinyl Chloride	1.386	62	63527	17.472	ug/l	94
5) Bromomethane	1.624	94	44527	19.060	ug/l	96
6) Chloroethane	1.703	64	42569	17.731	ug/l	96
7) Trichlorofluoromethane	1.904	101	105523	18.770	ug/l	98
8) Diethyl Ether	2.148	74	39050	19.519	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.343	101	68760	19.195	ug/l	99
10) Methyl Iodide	2.465	142	72032	18.457	ug/l	97
11) Tert butyl alcohol	2.953	59	31363	113.282	ug/l	99
12) 1,1-Dichloroethene	2.337	96	62360	17.998	ug/l	98
13) Acrolein	2.246	56	30430	101.174	ug/l	100
14) Allyl chloride	2.678	41	116429	18.874	ug/l	99
15) Acrylonitrile	3.075	53	168593	105.325	ug/l	99
16) Acetone	2.386	43	128443	97.956	ug/l	96
17) Carbon Disulfide	2.526	76	147876	16.274	ug/l	99
18) Methyl Acetate	2.715	43	83919	24.281	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	206539	21.108	ug/l	99
20) Methylene Chloride	2.800	84	79772	20.574	ug/l	96
21) trans-1,2-Dichloroethene	3.105	96	65723	18.537	ug/l	99
22) Diisopropyl ether	3.764	45	249844	20.964	ug/l #	80
23) Vinyl Acetate	3.733	43	918815	102.907	ug/l	100
24) 1,1-Dichloroethane	3.617	63	132724	19.527	ug/l	100
25) 2-Butanone	4.562	43	193429	110.567	ug/l	97
26) 2,2-Dichloropropane	4.483	77	91246	18.038	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	83722	19.341	ug/l	98
28) Bromochloromethane	4.910	49	71901	21.434	ug/l	100
29) Tetrahydrofuran	5.013	42	124855	111.958	ug/l	98
30) Chloroform	5.099	83	139208	20.047	ug/l	98
31) Cyclohexane	5.477	56	114072	18.905	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	112983	19.475	ug/l	99
36) 1,1-Dichloropropene	5.702	75	90333	18.781	ug/l	100
37) Ethyl Acetate	4.715	43	79219	19.338	ug/l #	95
38) Carbon Tetrachloride	5.684	117	99159	19.500	ug/l	99
39) Methylcyclohexane	7.385	83	109536	18.206	ug/l	98
40) Benzene	6.044	78	283408	19.481	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046937.D
Acq On : 10 Jul 2025 12:35
Operator : JC/MD
Sample : VX0710WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 11 01:27:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0710WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	47598	21.781	ug/l		97
42) 1,2-Dichloroethane	6.092	62	102213	20.691	ug/l		99
43) Isopropyl Acetate	6.342	43	135040	21.521	ug/l		100
44) Trichloroethene	7.129	130	70835	18.705	ug/l		98
45) 1,2-Dichloropropane	7.434	63	74569	20.288	ug/l		98
46) Dibromomethane	7.586	93	52704	20.695	ug/l		99
47) Bromodichloromethane	7.824	83	110763	20.369	ug/l		99
48) Methyl methacrylate	7.696	41	70164	21.656	ug/l		98
49) 1,4-Dioxane	7.659	88	17500	466.159	ug/l		96
51) 4-Methyl-2-Pentanone	8.574	43	426933	115.289	ug/l		98
52) Toluene	8.720	92	179467	19.908	ug/l		98
53) t-1,3-Dichloropropene	8.982	75	97297	20.049	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	109903	19.841	ug/l		99
55) 1,1,2-Trichloroethane	9.153	97	71082	21.169	ug/l		96
56) Ethyl methacrylate	9.116	69	97795	21.042	ug/l		98
57) 1,3-Dichloropropane	9.305	76	120732	20.881	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	266721	101.855	ug/l		98
59) 2-Hexanone	9.427	43	282302	114.930	ug/l		99
60) Dibromochloromethane	9.519	129	83023	20.660	ug/l		98
61) 1,2-Dibromoethane	9.610	107	70125	20.794	ug/l		98
64) Tetrachloroethene	9.275	164	59405	18.508	ug/l		96
65) Chlorobenzene	10.080	112	204652	19.636	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	70200	20.036	ug/l		98
67) Ethyl Benzene	10.195	91	347539	19.471	ug/l		98
68) m/p-Xylenes	10.299	106	262922	39.092	ug/l		99
69) o-Xylene	10.640	106	125026	19.244	ug/l		97
70) Styrene	10.653	104	223608	20.117	ug/l		99
71) Bromoform	10.799	173	52454	20.135	ug/l	#	98
73) Isopropylbenzene	10.964	105	339278	19.373	ug/l		99
74) N-amyl acetate	10.842	43	122668	20.612	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	99420	20.645	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	79046m	20.534	ug/l		
77) Bromobenzene	11.195	156	84831	19.446	ug/l		99
78) n-propylbenzene	11.299	91	402815	19.075	ug/l		99
79) 2-Chlorotoluene	11.360	91	238425	19.121	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	281806	19.803	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	27480	19.157	ug/l		95
82) 4-Chlorotoluene	11.451	91	286076	19.881	ug/l		100
83) tert-Butylbenzene	11.713	119	282461	19.218	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	285057	19.818	ug/l		96
85) sec-Butylbenzene	11.890	105	356072	19.215	ug/l		100
86) p-Isopropyltoluene	12.006	119	295422	19.037	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	161268	19.767	ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	159372	18.770	ug/l		97
89) n-Butylbenzene	12.329	91	270809	18.573	ug/l		99
90) Hexachloroethane	12.536	117	50082	18.205	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	154222	19.507	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	17282	20.518	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	103384	19.248	ug/l		98
94) Hexachlorobutadiene	13.719	225	37025	18.279	ug/l		99
95) Naphthalene	13.774	128	295349	20.868	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	99576	19.621	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046937.D
Acq On : 10 Jul 2025 12:35
Operator : JC/MD
Sample : VX0710WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 11 01:27:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0710WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

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

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

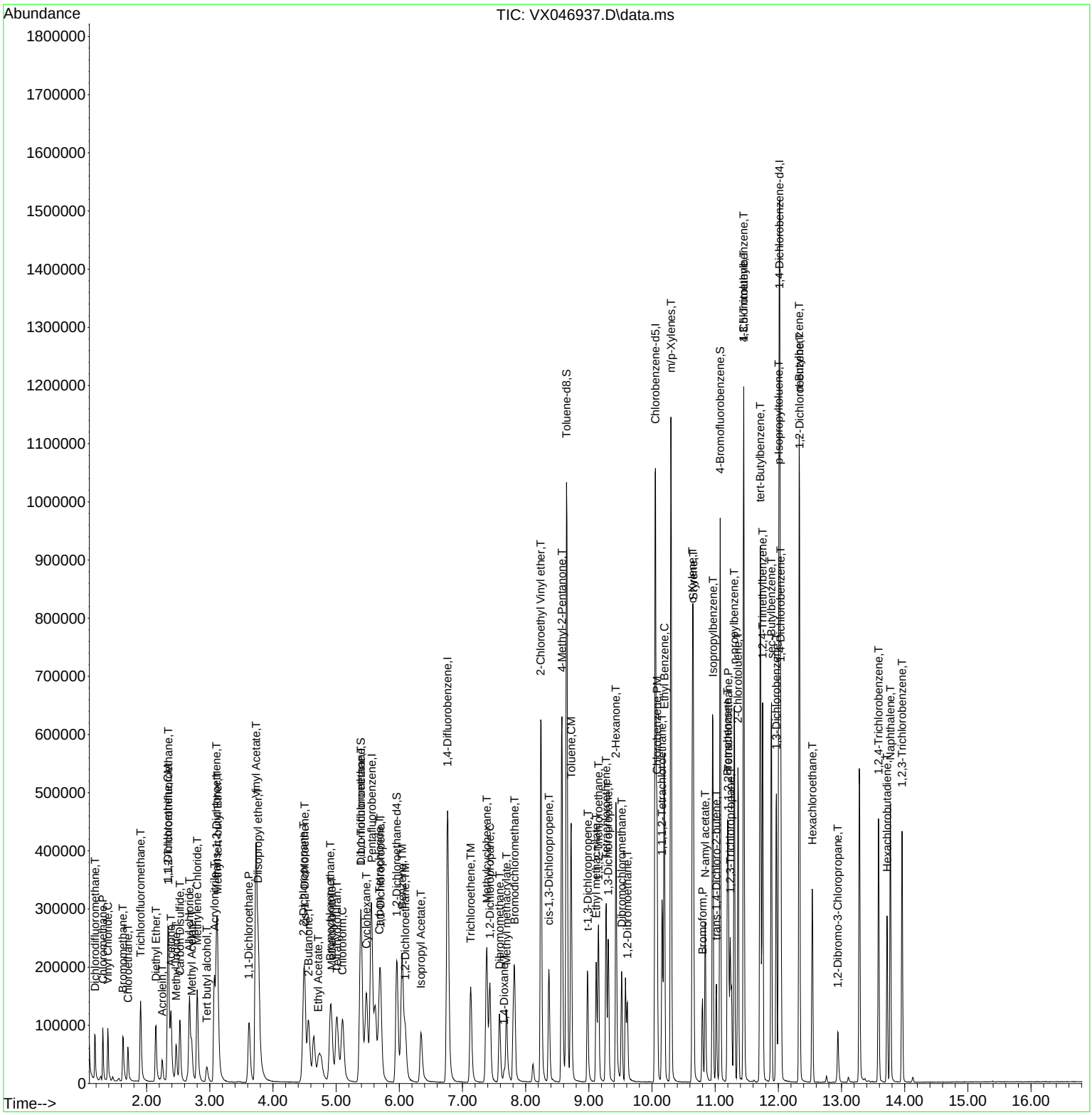
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046937.D
Acq On : 10 Jul 2025 12:35
Operator : JC/MD
Sample : VX0710WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 11 01:27:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0710WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



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

Manual Integration Report

Sequence:	VX070225	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX046860.D	1,2,3-Trichloropropane	JOHN	7/3/2025 8:43:52 AM	MMDadoda	7/3/2025 3:09:42 PM	Peak Integrated by Software
VSTDICC001	VX046860.D	1,4-Dichlorobenzene	JOHN	7/3/2025 8:43:52 AM	MMDadoda	7/3/2025 3:09:42 PM	Peak Integrated by Software
VSTDICC001	VX046860.D	1,4-Dioxane	JOHN	7/3/2025 8:43:52 AM	MMDadoda	7/3/2025 3:09:42 PM	Peak Integrated by Software
VSTDICC001	VX046860.D	2-Butanone	JOHN	7/3/2025 8:43:52 AM	MMDadoda	7/3/2025 3:09:42 PM	Peak Integrated by Software
VSTDICC001	VX046860.D	Acrylonitrile	JOHN	7/3/2025 8:43:52 AM	MMDadoda	7/3/2025 3:09:42 PM	Peak Integrated by Software
VSTDICC001	VX046860.D	Carbon Tetrachloride	JOHN	7/3/2025 8:43:52 AM	MMDadoda	7/3/2025 3:09:42 PM	Peak Integrated by Software
VSTDICC001	VX046860.D	Ethyl Acetate	JOHN	7/3/2025 8:43:52 AM	MMDadoda	7/3/2025 3:09:42 PM	Peak Integrated by Software
VSTDICC001	VX046860.D	Methacrylonitrile	JOHN	7/3/2025 8:43:52 AM	MMDadoda	7/3/2025 3:09:42 PM	Peak Integrated by Software
VSTDICC005	VX046861.D	1,2,3-Trichloropropane	JOHN	7/3/2025 8:43:57 AM	MMDadoda	7/3/2025 3:09:44 PM	Peak Integrated by Software
VSTDICC020	VX046862.D	1,2,3-Trichloropropane	JOHN	7/3/2025 8:44:01 AM	MMDadoda	7/3/2025 3:09:46 PM	Peak Integrated by Software
VSTDICCC050	VX046863.D	1,2,3-Trichloropropane	JOHN	7/3/2025 8:44:05 AM	MMDadoda	7/3/2025 3:09:47 PM	Peak Integrated by Software
VSTDICC100	VX046864.D	1,2,3-Trichloropropane	JOHN	7/3/2025 8:44:09 AM	MMDadoda	7/3/2025 3:09:49 PM	Peak Integrated by Software
VSTDICC150	VX046865.D	1,2,3-Trichloropropane	JOHN	7/3/2025 8:44:13 AM	MMDadoda	7/3/2025 3:09:51 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VX070225	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VX046867.D	1,2,3-Trichloropropane	JOHN	7/3/2025 8:44:17 AM	MMDadoda	7/3/2025 3:09:53 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vx071025	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX046933.D	1,2,3-Trichloropropane	JOHN	7/11/2025 8:39:45 AM	MMDadoda	7/14/2025 7:46:10 AM	Peak Integrated by Software
VX0710WBS01	VX046936.D	1,2,3-Trichloropropane	JOHN	7/11/2025 8:39:49 AM	MMDadoda	7/14/2025 7:46:12 AM	Peak Integrated by Software
VX0710WBSD01	VX046937.D	1,2,3-Trichloropropane	JOHN	7/11/2025 8:39:53 AM	MMDadoda	7/14/2025 7:46:17 AM	Peak Integrated by Software
Q2554-01	VX046951.D	Methyl methacrylate	JOHN	7/11/2025 8:40:23 AM	MMDadoda	7/14/2025 7:46:28 AM	Peak Integrated by Software
VSTDCCC050	VX046959.D	1,2,3-Trichloropropane	JOHN	7/11/2025 8:41:21 AM	MMDadoda	7/14/2025 7:47:02 AM	Peak Integrated by Software

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX070225

Review By	John Carlone	Review On	7/3/2025 8:44:30 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/3/2025 3:09:59 PM		
SubDirectory	VX070225	HP Acquire Method		HP Processing Method	82X070225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134642
Initial Calibration Stds	VP134633,VP134634,VP134635,VP134638,VP134639,VP134640
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP134641
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046859.D	02 Jul 2025 11:12	JC/MD	Ok
2	VSTDICC001	VX046860.D	02 Jul 2025 12:11	JC/MD	Ok,M
3	VSTDICC005	VX046861.D	02 Jul 2025 12:37	JC/MD	Ok,M
4	VSTDICC020	VX046862.D	02 Jul 2025 13:18	JC/MD	Ok,M
5	VSTDICCC050	VX046863.D	02 Jul 2025 13:39	JC/MD	Ok,M
6	VSTDICC100	VX046864.D	02 Jul 2025 14:10	JC/MD	Ok,M
7	VSTDICC150	VX046865.D	02 Jul 2025 14:31	JC/MD	Ok,M
8	VIBLK	VX046866.D	02 Jul 2025 14:53	JC/MD	Ok
9	VSTDICV050	VX046867.D	02 Jul 2025 15:14	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 # VX071025

Review By	John Carlone	Review On	7/11/2025 8:53:41 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/14/2025 7:47:20 AM		
SubDirectory	VX071025	HP Acquire Method		HP Processing Method	82X070225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134710
Initial Calibration Stds	
CCC	VP134714,VP134715
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046932.D	10 Jul 2025 08:43	JC/MD	Ok
2	VSTDCCC050	VX046933.D	10 Jul 2025 09:54	JC/MD	Ok,M
3	VX0710MBL01	VX046934.D	10 Jul 2025 10:22	JC/MD	Ok
4	VX0710WBL01	VX046935.D	10 Jul 2025 11:44	JC/MD	Ok
5	VX0710WBS01	VX046936.D	10 Jul 2025 12:10	JC/MD	Ok,M
6	VX0710WBSD01	VX046937.D	10 Jul 2025 12:35	JC/MD	Ok,M
7	IBLK	VX046938.D	10 Jul 2025 12:57	JC/MD	Ok
8	Q2553-06	VX046939.D	10 Jul 2025 13:18	JC/MD	Ok
9	Q2553-05	VX046940.D	10 Jul 2025 13:39	JC/MD	ReRun
10	Q2554-02	VX046941.D	10 Jul 2025 14:00	JC/MD	Ok
11	Q2554-04	VX046942.D	10 Jul 2025 14:21	JC/MD	Ok
12	Q2553-01	VX046943.D	10 Jul 2025 14:43	JC/MD	Ok,M
13	Q2553-02	VX046944.D	10 Jul 2025 15:04	JC/MD	Ok,M
14	Q2553-03	VX046945.D	10 Jul 2025 15:26	JC/MD	Ok,M
15	Q2553-04	VX046946.D	10 Jul 2025 15:47	JC/MD	Ok,M
16	PB168762TB	VX046947.D	10 Jul 2025 16:08	JC/MD	Ok,M
17	Q2517-04	VX046948.D	10 Jul 2025 16:30	JC/MD	Ok
18	Q2519-04	VX046949.D	10 Jul 2025 16:51	JC/MD	Ok,M
19	Q2554-03	VX046950.D	10 Jul 2025 17:12	JC/MD	Ok
20	Q2554-01	VX046951.D	10 Jul 2025 17:34	JC/MD	Ok,M
21	IBLK	VX046952.D	10 Jul 2025 17:55	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX071025

Review By	John Carlone	Review On	7/11/2025 8:53:41 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/14/2025 7:47:20 AM		
SubDirectory	VX071025	HP Acquire Method		HP Processing Method	82X070225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134710
Initial Calibration Stds	
CCC	VP134714,VP134715
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VX0710MBS01	VX046953.D	10 Jul 2025 18:16	JC/MD	Ok,M
23	VX0710MBSD01	VX046954.D	10 Jul 2025 18:37	JC/MD	Ok,M
24	Q2480-05	VX046955.D	10 Jul 2025 18:59	JC/MD	Ok,M
25	Q2480-06ME	VX046956.D	10 Jul 2025 19:20	JC/MD	Ok,M
26	Q2480-07ME	VX046957.D	10 Jul 2025 19:41	JC/MD	Not Ok
27	Q2480-08	VX046958.D	10 Jul 2025 20:02	JC/MD	Ok,M
28	VSTDCCC050	VX046959.D	10 Jul 2025 20:23	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX070225

Review By	John Carlone	Review On	7/3/2025 8:44:30 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/3/2025 3:09:59 PM		
SubDirectory	VX070225	HP Acquire Method		HP Processing Method	82X070225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134642
Initial Calibration Stds	VP134633,VP134634,VP134635,VP134638,VP134639,VP134640
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP134641
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046859.D	02 Jul 2025 11:12		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX046860.D	02 Jul 2025 12:11		JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX046861.D	02 Jul 2025 12:37	%D Failed for com.#13 in 5 ppb	JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX046862.D	02 Jul 2025 13:18		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX046863.D	02 Jul 2025 13:39	LR-13	JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX046864.D	02 Jul 2025 14:10		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX046865.D	02 Jul 2025 14:31		JC/MD	Ok,M
8	VIBLK	VIBLK	VX046866.D	02 Jul 2025 14:53		JC/MD	Ok
9	VSTDICV050	ICVVX070225	VX046867.D	02 Jul 2025 15:14		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX071025

Review By	John Carlone	Review On	7/11/2025 8:53:41 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/14/2025 7:47:20 AM		
SubDirectory	VX071025	HP Acquire Method		HP Processing Method	82X070225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134710
Initial Calibration Stds	
CCC	VP134714,VP134715
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	VX046932.D	10 Jul 2025 08:43		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX046933.D	10 Jul 2025 09:54		JC/MD	Ok,M
3	VX0710MBL01	VX0710MBL01	VX046934.D	10 Jul 2025 10:22		JC/MD	Ok
4	VX0710WBL01	VX0710WBL01	VX046935.D	10 Jul 2025 11:44		JC/MD	Ok
5	VX0710WBS01	VX0710WBS01	VX046936.D	10 Jul 2025 12:10		JC/MD	Ok,M
6	VX0710WBSD01	VX0710WBSD01	VX046937.D	10 Jul 2025 12:35		JC/MD	Ok,M
7	IBLK	IBLK	VX046938.D	10 Jul 2025 12:57		JC/MD	Ok
8	Q2553-06	TB	VX046939.D	10 Jul 2025 13:18	vial A pH<2 TB	JC/MD	Ok
9	Q2553-05	FB	VX046940.D	10 Jul 2025 13:39	vial A pH<2 FB;Hit of com.#17	JC/MD	ReRun
10	Q2554-02	250709059-10 Trip blar	VX046941.D	10 Jul 2025 14:00	vial A pH#6.0 TB	JC/MD	Ok
11	Q2554-04	250709059-11 Trip blar	VX046942.D	10 Jul 2025 14:21	vial A pH#6.0 TB	JC/MD	Ok
12	Q2553-01	AOC-201	VX046943.D	10 Jul 2025 14:43	vial A pH<2	JC/MD	Ok,M
13	Q2553-02	AOC-202	VX046944.D	10 Jul 2025 15:04	vial A pH<2	JC/MD	Ok,M
14	Q2553-03	AOC-203	VX046945.D	10 Jul 2025 15:26	vial A pH<2	JC/MD	Ok,M
15	Q2553-04	AOC-205	VX046946.D	10 Jul 2025 15:47	vial A pH<2	JC/MD	Ok,M
16	PB168762TB	PB168762TB	VX046947.D	10 Jul 2025 16:08		JC/MD	Ok,M
17	Q2517-04	TP-14	VX046948.D	10 Jul 2025 16:30	vial A pH#5.0	JC/MD	Ok
18	Q2519-04	TP-15	VX046949.D	10 Jul 2025 16:51	vial A pH#5.0	JC/MD	Ok,M

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX071025

Review By	John Carlone	Review On	7/11/2025 8:53:41 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/14/2025 7:47:20 AM		
SubDirectory	VX071025	HP Acquire Method		HP Processing Method	82X070225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134710
Initial Calibration Stds	
CCC	VP134714,VP134715
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2554-03	250709104-01 VOA	VX046950.D	10 Jul 2025 17:12	vial A pH#6.0	JC/MD	Ok
20	Q2554-01	250709071-01 VOA	VX046951.D	10 Jul 2025 17:34	vial A pH#6.0 Need 5X. No more vials.	JC/MD	Ok,M
21	IBLK	IBLK	VX046952.D	10 Jul 2025 17:55		JC/MD	Ok
22	VX0710MBS01	VX0710MBS01	VX046953.D	10 Jul 2025 18:16	BS Failed Low for com.#05	JC/MD	Ok,M
23	VX0710MBSD01	VX0710MBSD01	VX046954.D	10 Jul 2025 18:37	BSD Failed Low for com.#05	JC/MD	Ok,M
24	Q2480-05	GPX5	VX046955.D	10 Jul 2025 18:59		JC/MD	Ok,M
25	Q2480-06ME	GPX6ME	VX046956.D	10 Jul 2025 19:20		JC/MD	Ok,M
26	Q2480-07ME	GPX7ME	VX046957.D	10 Jul 2025 19:41	Not match	JC/MD	Not Ok
27	Q2480-08	GPX8	VX046958.D	10 Jul 2025 20:02		JC/MD	Ok,M
28	VSTDCCC050	VSTDCCC050EC	VX046959.D	10 Jul 2025 20:23		JC/MD	Ok,M

M : Manual Integration

SHIPPING DOCUMENTS

2 2554

Garden State Laboratories, Inc.

Main Lab - 410 Hillside Avenue, Hillside NJ 07205 - NJDEP Lab Cert. #20044
Jersey Shore Lab - 54 Main Street, Waretown NJ 08758 - NJDEP Lab Cert. #15037

Tel. 800-273-8901/908-688-8900 Fax 908-688-8966 www.gslabs.com info@gslabs.com

Office and Drop off Locations

North Jersey Office: 225 Sparta Avenue, Sparta, NJ 07871 Tel. 973-729-1827

West Jersey Office: 2050 Route 31 North, Glen Gardner, NJ 08826 Tel. 908-537-7414

FOR SAMPLE RECEIVING USE ONLY

DATE/TIME/TEMP. REC'D AT LAB:

Page _____ of _____

GSL CLIENT #

MICRO #

CHEM. #

SAMPLE REC'D BY:

- ☐ GSL FIELD SAMPLER/PICK-UP
- ☐ PICK-UP AT DROP OFF LOCATION
- ☐ DELIVERED BY CLIENT

CHAIN OF CUSTODY RECORD - PRESS HARD AND PRINT CLEARLY - USE BALL POINT PEN

IMPORTANT: PRINTED NAMES & SIGNATURES ARE REQUIRED

CLIENT INFORMATION (REPORT TO BE SENT TO)

Name: Garden State Laboratories, Inc. Contact/Authorized by: Robert Szot

Mailing Address: 410 Hillside Ave. Phone: 908-688-8900 EXT 129

City/State/Zip: Hilside, NJ. 07205 Email: rszot@gslabs.com

SAMPLE INFORMATION

SAMPLE TYPE: WASTE WATER

SAMPLE LOCATION: ACUA SW LANDFILL LEACHATE TANKS

Grab	Comp	SAMPLE ID	SAMPLE COLLECTION Date	Time	AM	PM	ANALYSIS REQUIRED (Print Legibly) ☐ List attached Total Pages ____	CONTAINER INFORMATION No.	Type*	Size	Pres.*
		* DM 7/9/25									
X	X*	250709071-01 VOA	7/9/25	9:25			EPA 8260 TCL LIST + Acrolien & Acrylonitrile	3	V	40mL	A
X		250709059-10 Trip blank					EPA 8260 TCL LIST + Acrolien & Acrylonitrile	2	V	40mL	A
X		250709104-01 VOA	7/9/25	10:42			↓ ↓	3	V	40mL	A
X		250709059-11 Trip blank					↓ ↓	2	V	40mL	A

⇨ *Container Type: P = Plastic G = Glass A = Amber Glass T = Sterile Thio V = Vial Other/Specify: _____

⇨ *Preservation Code: A = Non Preserved B = Sulfuric Acid C = Sodium Hydroxide D = Nitric Acid E = Hydrochloric Acid F = Zinc Acetate G = Sodium Thiosulfate H = Ascorbic Acid I = Cooled Other/Specify: _____

☐ SUBCONTRACTED WORK

TURNAROUND TIME: ☒ Standard ☐ Rush (If RUSH REQUESTED) Rush Due by:

SEND TO: Chem Tech

REPORT FORMAT: ☒ Standard Report ☐ Other/Specify:

☐ Standard Report + E2 PWS ID#:

DATE/TIME:

METHOD OF SHIPMENT: Deliver

PAYMENT INFORMATION

☐ Sampling/Pick-up Fee: $ ☐ Composite Fee: $ ☐ Rush Fee: $ Amount Due: $

Payment Method: ☐ Credit Card Type: ☐ Check # ☐ Other: See Quote

Note: ATL16

VOA UNPRESERVED DUE TO EFFERVESCENSE - 3 DAY TAT PER JORDAN HEDVAT

SAMPLE CUSTODY EXCHANGES MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION
PLEASE PRINT YOUR NAME LEGIBLY, USE FULL LEGAL SIGNATURE, DATE AND TIME

Sampled by (PRINT):	Signature:	Date/Time:
Client/Client's Representative (PRINT):	Signature:	Date/Time:
1. Received/Relinquished by (PRINT): Megan Howarth	Signature: Mga Howarth	Date/Time: 7/9/25 17:00
2. Received/Relinquished by (PRINT): Matt JACKSON	Signature: Matt Jackson	Date/Time: 7/10/25 9:14AM

Jahmir Davis

7-10-25 0914

3.4 C

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

Laboratory Certification

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

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2554 GARD04
Client Name : Garden State Laboratories, I
Client Contact : Sharon Ercoliani
Invoice Name : Garden State Laboratories, I
Invoice Contact : Sharon Ercoliani

Order Date : 7/10/2025 9:19:00 AM
Project Name : Waste Water 2025
Receive DateTime : 7/10/2025 9:14:00 AM
Purchase Order :

Project Mgr :
Report Type : Level I
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
Q2554-01	250709071-01 VOA	Water	07/09/2025	09:25					
					VOCMS Group1		624.1		10 Bus. Days
					VOCMS Group2		8260-Low		10 Bus. Days
Q2554-02	250709059-10 Trip blank	Water	07/09/2025	09:25					
					VOCMS Group1		624.1		10 Bus. Days
					VOCMS Group2		8260-Low		10 Bus. Days
Q2554-03	250709104-01 VOA	Water	07/09/2025	10:42					
					VOCMS Group1		624.1		10 Bus. Days
					VOCMS Group2		8260-Low		10 Bus. Days
Q2554-04	250709059-11 Trip blank	Water	07/09/2025	10:42					
					VOCMS Group1		624.1		10 Bus. Days
					VOCMS Group2		8260-Low		10 Bus. Days

Alliance CHNICAL GR UP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2554 GARD04
Client Name : Garden State Laboratories, I
Client Contact : Sharon Ercoliani
Invoice Name : Garden State Laboratories, I
Invoice Contact : Sharon Ercoliani

Order Date : 7/10/2025 9:19:00 AM
Project Name : Waste Water 2025
Receive DateTime : 7/10/2025 9:14:00 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

Relinguished By :
Date / Time : 7-10-25 1000

Received By : TC
Date / Time : 7/10/25 1000
Storage Area : VOA Refridgerator Room