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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:	Q2924	**OrderDate:**	8/20/2025 3:43:00 PM
Client:	AECOM	**Project:**	National Grid Equity - Brooklyn NY
Contact:	Peter S	**Location:**	J23,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2924-01	**MW-10C-082025**	**Water**			**08/20/25**			**08/20/25**
			VOC-TCLVOA-10	8260D			08/21/25	
Q2924-02	**MW-201-082025**	**Water**			**08/20/25**			**08/20/25**
			VOC-TCLVOA-10	8260D			08/21/25	
Q2924-02DL	**MW-201-082025DL**	**Water**			**08/20/25**			**08/20/25**
			VOC-TCLVOA-10	8260D			08/22/25	
Q2924-02DL2	**MW-201-082025DL2**	**Water**			**08/20/25**			**08/20/25**
			VOC-TCLVOA-10	8260D			08/22/25	
Q2924-05	**MW-2B-082025**	**Water**			**08/20/25**			**08/20/25**
			VOC-TCLVOA-10	8260D			08/21/25	
Q2924-05DL	**MW-2B-082025DL**	**Water**			**08/20/25**			**08/20/25**
			VOC-TCLVOA-10	8260D			08/22/25	
Q2924-05DL2	**MW-2B-082025DL2**	**Water**			**08/20/25**			**08/20/25**
			VOC-TCLVOA-10	8260D			08/22/25	
Q2924-06	**MW-2A-082025**	**Water**			**08/20/25**			**08/20/25**
			VOC-TCLVOA-10	8260D			08/21/25	
Q2924-07	**MW-18C-082025**	**Water**			**08/20/25**			**08/20/25**
			VOC-TCLVOA-10	8260D			08/21/25	
Q2924-08	**MW-16A-082025**	**Water**			**08/20/25**			**08/20/25**
			VOC-TCLVOA-10	8260D			08/21/25	
Q2924-09	**MW-16C-082025**	**Water**			**08/20/25**			**08/20/25**
			VOC-TCLVOA-10	8260D			08/21/25	

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LAB CHRONICLE

Q2924-10	**MW-8A-082025**	**Water**			**08/20/25**		**08/20/25**
			VOC-TCLVOA-10	8260D		08/21/25	
Q2924-11	**FB-01-082025**	**Water**			**08/20/25**		**08/20/25**
			VOC-TCLVOA-10	8260D		08/21/25	
Q2924-12	**TB**	**Water**			**08/15/25**		**08/20/25**
			VOC-TCLVOA-10	8260D		08/21/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2924

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**MW-10C-082025**								
Q2924-01	MW-10C-082025	Water	Vinyl Chloride		2.60	J	0.26	5.00	ug/L
Q2924-01	MW-10C-082025	Water	cis-1,2-Dichloroethene		6.70		0.19	5.00	ug/L
Q2924-01	MW-10C-082025	Water	Trichloroethene		5.40		0.090	5.00	ug/L
Q2924-01	MW-10C-082025	Water	Tetrachloroethene		29.9		0.23	5.00	ug/L
			Total Voc :		44.6				
			Total Concentration:		44.6				
Client ID:	**MW-201-082025**								
Q2924-02	MW-201-082025	Water	Methyl tert-butyl Ether		0.92	J	0.16	5.00	ug/L
Q2924-02	MW-201-082025	Water	trans-1,2-Dichloroethene		210	E	0.23	5.00	ug/L
Q2924-02	MW-201-082025	Water	cis-1,2-Dichloroethene		150	E	0.19	5.00	ug/L
Q2924-02	MW-201-082025	Water	Benzene		1700	E	0.15	5.00	ug/L
Q2924-02	MW-201-082025	Water	Trichloroethene		26.9		0.090	5.00	ug/L
Q2924-02	MW-201-082025	Water	Toluene		3400	E	0.14	5.00	ug/L
Q2924-02	MW-201-082025	Water	Ethyl Benzene		650	E	0.13	5.00	ug/L
Q2924-02	MW-201-082025	Water	m/p-Xylenes		2400	E	0.24	10.0	ug/L
Q2924-02	MW-201-082025	Water	o-Xylene		2500	E	0.12	5.00	ug/L
Q2924-02	MW-201-082025	Water	Styrene		1900	E	0.15	5.00	ug/L
Q2924-02	MW-201-082025	Water	Isopropylbenzene		8.40		0.12	5.00	ug/L
			Total Voc :		12900				
Q2924-02	MW-201-082025	Water	Indene	*	4200	J	0	0	ug/L
Q2924-02	MW-201-082025	Water	Benzene, 1-ethenyl-3-methyl-	*	340	J	0	0	ug/L
Q2924-02	MW-201-082025	Water	Benzo[c]thiophene	*	280	J	0	0	ug/L
Q2924-02	MW-201-082025	Water	Benzene, 1,2,3-trimethyl-	*	230	J	0	0	ug/L
Q2924-02	MW-201-082025	Water	Benzene, 1-ethenyl-4-methyl-	*	960	J	0	0	ug/L
Q2924-02	MW-201-082025	Water	2-Methylindene	*	620	J	0	0	ug/L
Q2924-02	MW-201-082025	Water	Benzene, (1-methyl-2-cyclopro	*	750	J	0	0	ug/L
Q2924-02	MW-201-082025	Water	n-propylbenzene	*	30.4	J	0.13	5.00	ug/L
Q2924-02	MW-201-082025	Water	1,3,5-Trimethylbenzene	*	190	J	0.15	5.00	ug/L
Q2924-02	MW-201-082025	Water	1,2,4-Trimethylbenzene	*	660	J	0.14	5.00	ug/L
			Total Tics :		8260				
			Total Concentration:		21200				
Client ID:	**MW-201-082025DL**								
Q2924-02DL	MW-201-082025DI	Water	cis-1,2-Dichloroethene		130	JD	19.0	500	ug/L
Q2924-02DL	MW-201-082025DI	Water	Benzene		5200	D	15.0	500	ug/L
Q2924-02DL	MW-201-082025DI	Water	Toluene		19900	ED	14.0	500	ug/L
Q2924-02DL	MW-201-082025DI	Water	Ethyl Benzene		570	D	13.0	500	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q2924

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q2924-02DL	MW-201-082025DI	Water	m/p-Xylenes		3300	D	24.0	1000	ug/L
Q2924-02DL	MW-201-082025DI	Water	o-Xylene		2000	D	12.0	500	ug/L
Q2924-02DL	MW-201-082025DI	Water	Styrene		5100	D	15.0	500	ug/L
			Total Voc :		36200				
			Total Concentration:		36200				
Client ID:	**MW-201-082025DL2**								
Q2924-02DL2	MW-201-082025DI	Water	Benzene		3700	D	60.0	2000	ug/L
Q2924-02DL2	MW-201-082025DI	Water	Toluene		14000	D	56.0	2000	ug/L
Q2924-02DL2	MW-201-082025DI	Water	Ethyl Benzene		410	JD	52.0	2000	ug/L
Q2924-02DL2	MW-201-082025DI	Water	m/p-Xylenes		2200	JD	96.0	4000	ug/L
Q2924-02DL2	MW-201-082025DI	Water	o-Xylene		1300	JD	48.0	2000	ug/L
Q2924-02DL2	MW-201-082025DI	Water	Styrene		3200	D	60.0	2000	ug/L
			Total Voc :		24800				
			Total Concentration:		24800				
Client ID:	**MW-2B-082025**								
Q2924-05	MW-2B-082025	Water	Acetone		2.40	J	1.50	25.0	ug/L
Q2924-05	MW-2B-082025	Water	Methyl tert-butyl Ether		9.60		0.16	5.00	ug/L
Q2924-05	MW-2B-082025	Water	trans-1,2-Dichloroethene		30.5		0.23	5.00	ug/L
Q2924-05	MW-2B-082025	Water	cis-1,2-Dichloroethene		58.4		0.19	5.00	ug/L
Q2924-05	MW-2B-082025	Water	Methylcyclohexane		1.30	J	0.16	5.00	ug/L
Q2924-05	MW-2B-082025	Water	Benzene		1600	E	0.15	5.00	ug/L
Q2924-05	MW-2B-082025	Water	Trichloroethene		1.90	J	0.090	5.00	ug/L
Q2924-05	MW-2B-082025	Water	Toluene		13.6		0.14	5.00	ug/L
Q2924-05	MW-2B-082025	Water	Ethyl Benzene		610	E	0.13	5.00	ug/L
Q2924-05	MW-2B-082025	Water	m/p-Xylenes		55.8		0.24	10.0	ug/L
Q2924-05	MW-2B-082025	Water	o-Xylene		50.4		0.12	5.00	ug/L
Q2924-05	MW-2B-082025	Water	Isopropylbenzene		78.7		0.12	5.00	ug/L
			Total Voc :		2510				
Q2924-05	MW-2B-082025	Water	Indene	*	93.1	J	0	0	ug/L
Q2924-05	MW-2B-082025	Water	Indane	*	2600	J	0	0	ug/L
Q2924-05	MW-2B-082025	Water	Benzene, 1,2,3-trimethyl-	*	130	J	0	0	ug/L
Q2924-05	MW-2B-082025	Water	Benzene, 2-ethenyl-1,4-dimeth	*	150	J	0	0	ug/L
Q2924-05	MW-2B-082025	Water	2-Methylindene	*	74.7	J	0	0	ug/L
Q2924-05	MW-2B-082025	Water	Benzene, 1-ethenyl-4-ethyl-	*	180	J	0	0	ug/L
Q2924-05	MW-2B-082025	Water	Benzene, (1-methyl-2-cyclopro	*	220	J	0	0	ug/L
Q2924-05	MW-2B-082025	Water	n-propylbenzene	*	22.1	J	0.13	5.00	ug/L
Q2924-05	MW-2B-082025	Water	1,3,5-Trimethylbenzene	*	19.7	J	0.15	5.00	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q2924

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q2924-05	MW-2B-082025	Water	1,2,4-Trimethylbenzene	*	57.4	J	0.14	5.00	ug/L
			Total Tics :		3550				
			Total Concentration:		6060				
Client ID:	**MW-2B-082025DL**								
Q2924-05DL	MW-2B-082025DL	Water	trans-1,2-Dichloroethene		30.5	JDQ	4.60	100	ug/L
Q2924-05DL	MW-2B-082025DL	Water	cis-1,2-Dichloroethene		47.2	JD	3.80	100	ug/L
Q2924-05DL	MW-2B-082025DL	Water	Benzene		5100	ED	3.00	100	ug/L
Q2924-05DL	MW-2B-082025DL	Water	Ethyl Benzene		680	D	2.60	100	ug/L
Q2924-05DL	MW-2B-082025DL	Water	m/p-Xylenes		49.5	JD	4.80	200	ug/L
Q2924-05DL	MW-2B-082025DL	Water	o-Xylene		42.5	JD	2.40	100	ug/L
Q2924-05DL	MW-2B-082025DL	Water	Isopropylbenzene		66.0	JD	2.40	100	ug/L
			Total Voc :		6020				
			Total Concentration:		6020				
Client ID:	**MW-2B-082025DL2**								
Q2924-05DL2	MW-2B-082025DL	Water	cis-1,2-Dichloroethene		59.4	JD	19.0	500	ug/L
Q2924-05DL2	MW-2B-082025DL	Water	Benzene		4900	D	15.0	500	ug/L
Q2924-05DL2	MW-2B-082025DL	Water	Ethyl Benzene		570	D	13.0	500	ug/L
			Total Voc :		5530				
			Total Concentration:		5530				
Client ID:	**MW-2A-082025**								
Q2924-06	MW-2A-082025	Water	Acetone		190		1.50	25.0	ug/L
Q2924-06	MW-2A-082025	Water	Chloroform		2.10	J	0.25	5.00	ug/L
Q2924-06	MW-2A-082025	Water	Benzene		30.7		0.15	5.00	ug/L
Q2924-06	MW-2A-082025	Water	Trichloroethene		0.48	J	0.090	5.00	ug/L
Q2924-06	MW-2A-082025	Water	Tetrachloroethene		5.40		0.23	5.00	ug/L
Q2924-06	MW-2A-082025	Water	Ethyl Benzene		0.46	J	0.13	5.00	ug/L
Q2924-06	MW-2A-082025	Water	Isopropylbenzene		0.26	J	0.12	5.00	ug/L
			Total Voc :		229				
Q2924-06	MW-2A-082025	Water	Ethanol	*	61.3	J	0	0	ug/L
Q2924-06	MW-2A-082025	Water	Sulfur dioxide	*	150	J	0	0	ug/L
Q2924-06	MW-2A-082025	Water	Isopropyl Alcohol	*	14.4	J	0	0	ug/L
			Total Tics :		226				
			Total Concentration:		455				
Client ID:	**MW-18C-082025**								
Q2924-07	MW-18C-082025	Water	Vinyl Chloride		37.3		0.26	5.00	ug/L
Q2924-07	MW-18C-082025	Water	Acetone		1.70	J	1.50	25.0	ug/L
Q2924-07	MW-18C-082025	Water	Methyl tert-butyl Ether		5.30		0.16	5.00	ug/L
Q2924-07	MW-18C-082025	Water	trans-1,2-Dichloroethene		5.90		0.23	5.00	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q2924

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q2924-07	MW-18C-082025	Water	cis-1,2-Dichloroethene		6.20		0.19	5.00	ug/L
Q2924-07	MW-18C-082025	Water	Benzene		0.65	J	0.15	5.00	ug/L
Q2924-07	MW-18C-082025	Water	Trichloroethene		2.20	J	0.090	5.00	ug/L
Q2924-07	MW-18C-082025	Water	Toluene		4.30	J	0.14	5.00	ug/L
Q2924-07	MW-18C-082025	Water	Tetrachloroethene		2.10	J	0.23	5.00	ug/L
			Total Voc :		65.7				
Q2924-07	MW-18C-082025	Water	Sulfur dioxide	*	38.7	J	0	0	ug/L
			Total Tics :		38.7				
			Total Concentration:		104				
Client ID:	**MW-16A-082025**								
Q2924-08	MW-16A-082025	Water	Sulfur dioxide	*	100	J	0	0	ug/L
			Total Tics :		100				
			Total Concentration:		100				
Client ID:	**MW-16C-082025**								
Q2924-09	MW-16C-082025	Water	Vinyl Chloride		53.8		0.26	5.00	ug/L
Q2924-09	MW-16C-082025	Water	1,1-Dichloroethene		0.65	J	0.23	5.00	ug/L
Q2924-09	MW-16C-082025	Water	Methyl tert-butyl Ether		17.7		0.16	5.00	ug/L
Q2924-09	MW-16C-082025	Water	trans-1,2-Dichloroethene		85.5		0.23	5.00	ug/L
Q2924-09	MW-16C-082025	Water	cis-1,2-Dichloroethene		32.7		0.19	5.00	ug/L
Q2924-09	MW-16C-082025	Water	Benzene		5.50		0.15	5.00	ug/L
Q2924-09	MW-16C-082025	Water	Trichloroethene		14.7		0.090	5.00	ug/L
Q2924-09	MW-16C-082025	Water	Tetrachloroethene		1.30	J	0.23	5.00	ug/L
Q2924-09	MW-16C-082025	Water	Ethyl Benzene		0.61	J	0.13	5.00	ug/L
Q2924-09	MW-16C-082025	Water	Isopropylbenzene		0.54	J	0.12	5.00	ug/L
			Total Voc :		213				
Q2924-09	MW-16C-082025	Water	2-Methylindene	*	7.10	J	0	0	ug/L
Q2924-09	MW-16C-082025	Water	Sulfur dioxide	*	10.9	J	0	0	ug/L
Q2924-09	MW-16C-082025	Water	Benzene, 1-ethenyl-3-ethyl-	*	46.6	J	0	0	ug/L
			Total Tics :		64.6				
			Total Concentration:		278				
Client ID:	**MW-8A-082025**								
Q2924-10	MW-8A-082025	Water	Acetone		2.80	J	1.50	25.0	ug/L
Q2924-10	MW-8A-082025	Water	Trichloroethene		0.49	J	0.090	5.00	ug/L
			Total Voc :		3.29				
Q2924-10	MW-8A-082025	Water	Sulfur dioxide	*	20.8	J	0	0	ug/L
			Total Tics :		20.8				
			Total Concentration:		24.1				
Client ID:	**FB-01-082025**								
Q2924-11	FB-01-082025	Water	Acetone		14.1	J	1.50	25.0	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q2924

Client: AECOM

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Voc :	14.1				
			Total Concentration:	14.1				

QC SUMMARY

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

SDG No.: Q2924

Client: AECOM

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
Q2924-01	MW-10C-082025	1,2-Dichloroethane-d4	50	54.8	110		74	125
		Dibromofluoromethane	50	46.5	93		75	124
		Toluene-d8	50	45.0	90		86	113
		4-Bromofluorobenzene	50	41.7	83		77	121
Q2924-02	MW-201-082025	1,2-Dichloroethane-d4	50	57.6	115		74	125
		Dibromofluoromethane	50	44.5	89		75	124
		Toluene-d8	50	44.9	90		86	113
		4-Bromofluorobenzene	50	55.7	111		77	121
Q2924-02DL	MW-201-082025DL	1,2-Dichloroethane-d4	50	59.8	120		74	125
		Dibromofluoromethane	50	44.9	90		75	124
		Toluene-d8	50	45.7	91		86	113
		4-Bromofluorobenzene	50	46.9	94		77	121
Q2924-02DL2	MW-201-082025DL2	1,2-Dichloroethane-d4	50	51.2	102		74	125
		Dibromofluoromethane	50	44.3	89		75	124
		Toluene-d8	50	44.2	88		86	113
		4-Bromofluorobenzene	50	46.6	93		77	121
Q2924-03MS	MW-201-082025MS	1,2-Dichloroethane-d4	50	50.4	101		74	125
		Dibromofluoromethane	50	44.4	89		75	124
		Toluene-d8	50	43.9	88		86	113
		4-Bromofluorobenzene	50	45.0	90		77	121
Q2924-04MSD	MW-201-082025MSD	1,2-Dichloroethane-d4	50	52.6	105		74	125
		Dibromofluoromethane	50	47.2	94		75	124
		Toluene-d8	50	44.3	89		86	113
		4-Bromofluorobenzene	50	60.7	121		77	121
Q2924-05	MW-2B-082025	1,2-Dichloroethane-d4	50	57.5	115		74	125
		Dibromofluoromethane	50	44.9	90		75	124
		Toluene-d8	50	43.4	87		86	113
		4-Bromofluorobenzene	50	54.0	108		77	121
Q2924-05DL	MW-2B-082025DL	1,2-Dichloroethane-d4	50	51.7	103		74	125
		Dibromofluoromethane	50	43.5	87		75	124
		Toluene-d8	50	43.7	87		86	113
		4-Bromofluorobenzene	50	47.5	95		77	121
Q2924-05DL2	MW-2B-082025DL2	1,2-Dichloroethane-d4	50	59.7	119		74	125
		Dibromofluoromethane	50	45.2	90		75	124
		Toluene-d8	50	44.9	90		86	113
		4-Bromofluorobenzene	50	45.2	90		77	121
Q2924-06	MW-2A-082025	1,2-Dichloroethane-d4	50	49.3	99		74	125
		Dibromofluoromethane	50	44.6	89		75	124
		Toluene-d8	50	44.0	88		86	113
		4-Bromofluorobenzene	50	41.9	84		77	121
Q2924-07	MW-18C-082025	1,2-Dichloroethane-d4	50	48.7	97		74	125
		Dibromofluoromethane	50	44.7	89		75	124
		Toluene-d8	50	44.0	88		86	113
		4-Bromofluorobenzene	50	44.2	88		77	121
Q2924-08	MW-16A-082025	1,2-Dichloroethane-d4	50	51.1	102		74	125
		Dibromofluoromethane	50	45.8	91		75	124
		Toluene-d8	50	44.4	89		86	113
		4-Bromofluorobenzene	50	44.8	89		77	121
Q2924-09	MW-16C-082025	1,2-Dichloroethane-d4	50	50.9	102		74	125
		Dibromofluoromethane	50	44.7	89		75	124

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Surrogate Summary

SDG No.: Q2924

Client: AECOM

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2924-09	MW-16C-082025	Toluene-d8	50	44.2	88		86	113
		4-Bromofluorobenzene	50	45.7	91		77	121
Q2924-10	MW-8A-082025	1,2-Dichloroethane-d4	50	51.0	102		74	125
		Dibromofluoromethane	50	45.0	90		75	124
		Toluene-d8	50	55.1	110		86	113
		4-Bromofluorobenzene	50	58.8	118		77	121
Q2924-11	FB-01-082025	1,2-Dichloroethane-d4	50	53.6	107		74	125
		Dibromofluoromethane	50	46.8	93		75	124
		Toluene-d8	50	44.6	89		86	113
		4-Bromofluorobenzene	50	41.7	83		77	121
Q2924-12	TB	1,2-Dichloroethane-d4	50	52.9	106		74	125
		Dibromofluoromethane	50	47.1	94		75	124
		Toluene-d8	50	45.1	90		86	113
		4-Bromofluorobenzene	50	40.6	81		77	121

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Surrogate Summary

SDG No.: Q2924

Client: AECOM

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
VV0821WBL01	VV0821WBL01	1,2-Dichloroethane-d4	50	48.2	96		74	125
		Dibromofluoromethane	50	43.8	88		75	124
		Toluene-d8	50	43.4	87		86	113
		4-Bromofluorobenzene	50	42.3	85		77	121
VV0821WBS01	VV0821WBS01	1,2-Dichloroethane-d4	50	55.0	110		74	125
		Dibromofluoromethane	50	44.8	90		75	124
		Toluene-d8	50	49.6	99		86	113
		4-Bromofluorobenzene	50	48.8	98		77	121
VV0822WBL01	VV0822WBL01	1,2-Dichloroethane-d4	50	60.0	120		74	125
		Dibromofluoromethane	50	47.4	95		75	124
		Toluene-d8	50	47.7	95		86	113
		4-Bromofluorobenzene	50	49.3	99		77	121
VV0822WBS01	VV0822WBS01	1,2-Dichloroethane-d4	50	48.5	97		74	125
		Dibromofluoromethane	50	46.0	92		75	124
		Toluene-d8	50	46.3	93		86	113
		4-Bromofluorobenzene	50	48.5	97		77	121

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2924 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VV039005.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q2924-03MS		**Client Sample ID : MW-201-082025MS**									
Dichlorodifluoromethane	50	0	38.4	ug/L	77				73	120	
Chloromethane	50	0	32.4	ug/L	65				58	133	
Vinyl chloride	50	0	39.7	ug/L	79				69	125	
Bromomethane	50	0	24.9	ug/L	50				28	165	
Chloroethane	50	0	52.0	ug/L	104				70	141	
Trichlorofluoromethane	50	0	45.7	ug/L	91				72	124	
1,1,2-Trichlorotrifluoroethane	50	0	44.6	ug/L	89				75	117	
1,1-Dichloroethene	50	0	49.2	ug/L	98				53	162	
Acetone	250	0	210	ug/L	84				44	150	
Carbon disulfide	50	0	47.5	ug/L	95				44	135	
Methyl tert-butyl Ether	50	0.92	55.4	ug/L	109				82	133	
Methyl Acetate	50	0	47.7	ug/L	95				76	138	
Methylene Chloride	50	0	43.3	ug/L	87				79	115	
trans-1,2-Dichloroethene	50	210	220	ug/L	20	*			76	118	
1,1-Dichloroethane	50	0	42.5	ug/L	85				78	122	
Cyclohexane	50	0	41.1	ug/L	82				71	119	
2-Butanone	250	0	230	ug/L	92				67	137	
Carbon Tetrachloride	50	0	42.2	ug/L	84				66	133	
cis-1,2-Dichloroethene	50	150	170	ug/L	40	*			82	124	
Bromochloromethane	50	0	45.2	ug/L	90				72	130	
Chloroform	50	0	41.8	ug/L	84				83	119	
1,1,1-Trichloroethane	50	0	42.5	ug/L	85				83	117	
Methylcyclohexane	50	0	45.2	ug/L	90				64	120	
Benzene	50	1700	1600	ug/L	-200	*			81	128	
1,2-Dichloroethane	50	0	180	ug/L	360	*			76	120	
Trichloroethene	50	26.9	74.0	ug/L	94				28	175	
1,2-Dichloropropane	50	0	40.8	ug/L	82	*			85	116	
Bromodichloromethane	50	0	40.6	ug/L	81				54	157	
4-Methyl-2-Pentanone	250	0	220	ug/L	88				72	137	
Toluene	50	3400	3300	ug/L	-200	*			85	115	
t-1,3-Dichloropropene	50	0	41.0	ug/L	82				60	141	
cis-1,3-Dichloropropene	50	0	42.6	ug/L	85				36	161	
1,1,2-Trichloroethane	50	0	37.2	ug/L	74				27	175	
2-Hexanone	250	0	160	ug/L	64	*			75	131	
Dibromochloromethane	50	0	38.7	ug/L	77				59	164	
1,2-Dibromoethane	50	0	39.9	ug/L	80	*			85	119	
Tetrachloroethene	50	0	43.7	ug/L	87				48	153	
Chlorobenzene	50	0	44.2	ug/L	88				85	114	
Ethyl Benzene	50	650	650	ug/L	0	*			81	128	
m/p-Xylenes	100	2400	2300	ug/L	-100	*			69	129	
o-Xylene	50	2500	2200	ug/L	-600	*			75	127	
Styrene	50	1900	1800	ug/L	-200	*			84	128	
Bromoform	50	0	45.4	ug/L	91				73	147	
Isopropylbenzene	50	8.40	43.6	ug/L	70	*			76	121	
1,1,2,2-Tetrachloroethane	50	0	28.9	ug/L	58	*			81	131	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2924 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VV039005.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
1,3-Dichlorobenzene	50	0	45.0	ug/L	90				84	110	
1,4-Dichlorobenzene	50	0	43.8	ug/L	88				81	111	
1,2-Dichlorobenzene	50	0	46.1	ug/L	92				82	113	
1,2-Dibromo-3-Chloropropane	50	0	46.0	ug/L	92				79	137	
1,2,4-Trichlorobenzene	50	0	51.9	ug/L	104				73	120	
1,2,3-Trichlorobenzene	50	0	51.6	ug/L	103				75	119	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2924 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VV039006.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q2924-04MSD		**Client Sample ID : MW-201-082025MSD**									
Dichlorodifluoromethane	50	0	44.7	ug/L	89		15		73	120	20
Chloromethane	50	0	49.3	ug/L	99		41	*	58	133	20
Vinyl chloride	50	0	57.5	ug/L	115		37	*	69	125	20
Bromomethane	50	0	31.1	ug/L	62		22	*	28	165	20
Chloroethane	50	0	60.7	ug/L	121		15		70	141	20
Trichlorofluoromethane	50	0	47.5	ug/L	95		4		72	124	20
1,1,2-Trichlorotrifluoroethane	50	0	44.0	ug/L	88		1		75	117	20
1,1-Dichloroethene	50	0	54.6	ug/L	109		10		53	162	20
Acetone	250	0	260	ug/L	104		21	*	44	150	20
Carbon disulfide	50	0	55.4	ug/L	111		15		44	135	20
Methyl tert-butyl Ether	50	0.92	67.5	ug/L	133		20		82	133	20
Methyl Acetate	50	0	61.9	ug/L	124		26	*	76	138	20
Methylene Chloride	50	0	53.6	ug/L	107		21	*	79	115	20
trans-1,2-Dichloroethene	50	210	250	ug/L	80		120	*	76	118	20
1,1-Dichloroethane	50	0	49.1	ug/L	98		14		78	122	20
Cyclohexane	50	0	38.3	ug/L	77		7		71	119	20
2-Butanone	250	0	260	ug/L	104		12		67	137	20
Carbon Tetrachloride	50	0	41.8	ug/L	84		1		66	133	20
cis-1,2-Dichloroethene	50	150	180	ug/L	60	*	40	*	82	124	20
Bromochloromethane	50	0	47.4	ug/L	95		5		72	130	20
Chloroform	50	0	44.9	ug/L	90		7		83	119	20
1,1,1-Trichloroethane	50	0	43.5	ug/L	87		2		83	117	20
Methylcyclohexane	50	0	38.9	ug/L	78		15		64	120	20
Benzene	50	1700	1600	ug/L	-200	*	0		81	128	20
1,2-Dichloroethane	50	0	180	ug/L	360	*	0		76	120	20
Trichloroethene	50	26.9	72.9	ug/L	92		2		28	175	20
1,2-Dichloropropane	50	0	43.1	ug/L	86		5		85	116	20
Bromodichloromethane	50	0	43.1	ug/L	86		6		54	157	20
4-Methyl-2-Pentanone	250	0	230	ug/L	92		4		72	137	20
Toluene	50	3400	3200	ug/L	-400	*	67	*	85	115	20
t-1,3-Dichloropropene	50	0	43.6	ug/L	87		6		60	141	20
cis-1,3-Dichloropropene	50	0	45.0	ug/L	90		5		36	161	20
1,1,2-Trichloroethane	50	0	39.4	ug/L	79		6		27	175	20
2-Hexanone	250	0	170	ug/L	68	*	6		75	131	20
Dibromochloromethane	50	0	41.3	ug/L	83		6		59	164	20
1,2-Dibromoethane	50	0	42.9	ug/L	86		7		85	119	20
Tetrachloroethene	50	0	44.9	ug/L	90		3		48	153	20
Chlorobenzene	50	0	45.7	ug/L	91		3		85	114	20
Ethyl Benzene	50	650	650	ug/L	0	*	0		81	128	20
m/p-Xylenes	100	2400	2300	ug/L	-100	*	0		69	129	20
o-Xylene	50	2500	2500	ug/L	0	*			75	127	20
Styrene	50	1900	1900	ug/L	0	*			84	128	20
Bromoform	50	0	62.5	ug/L	125		32	*	73	147	20
Isopropylbenzene	50	8.40	61.7	ug/L	107		42	*	76	121	20
1,1,2,2-Tetrachloroethane	50	0	48.4	ug/L	97		50	*	81	131	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2924 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VV039006.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
1,3-Dichlorobenzene	50	0	49.8	ug/L	100		10		84	110	20
1,4-Dichlorobenzene	50	0	46.8	ug/L	94		7		81	111	20
1,2-Dichlorobenzene	50	0	51.5	ug/L	103		11		82	113	20
1,2-Dibromo-3-Chloropropane	50	0	61.3	ug/L	123		29	*	79	137	20
1,2,4-Trichlorobenzene	50	0	55.9	ug/L	112		7		73	120	20
1,2,3-Trichlorobenzene	50	0	55.4	ug/L	111		7		75	119	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2924 **Analytical Method:** SW8260-Low

Client: AECOM **Datafile :** VV038985.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VV0821WBS01	Dichlorodifluoromethane	20	17.3	ug/L	86			69	116	
	Chloromethane	20	15.8	ug/L	79			65	116	
	Vinyl chloride	20	16.0	ug/L	80			65	117	
	Bromomethane	20	19.0	ug/L	95			58	125	
	Chloroethane	20	19.4	ug/L	97			56	128	
	Trichlorofluoromethane	20	19.0	ug/L	95			73	115	
	1,1,2-Trichlorotrifluoroethane	20	18.6	ug/L	93			80	112	
	1,1-Dichloroethene	20	19.2	ug/L	96			74	110	
	Acetone	100	94.1	ug/L	94			60	125	
	Carbon disulfide	20	19.2	ug/L	96			64	112	
	Methyl tert-butyl Ether	20	20.3	ug/L	102			78	114	
	Methyl Acetate	20	20.6	ug/L	103			67	125	
	Methylene Chloride	20	18.7	ug/L	94			72	114	
	trans-1,2-Dichloroethene	20	18.9	ug/L	95			75	108	
	1,1-Dichloroethane	20	17.8	ug/L	89			78	112	
	Cyclohexane	20	18.2	ug/L	91			75	110	
	2-Butanone	100	94.3	ug/L	94			65	122	
	Carbon Tetrachloride	20	16.5	ug/L	83			77	113	
	cis-1,2-Dichloroethene	20	17.9	ug/L	90			77	110	
	Bromochloromethane	20	16.0	ug/L	80			70	124	
	Chloroform	20	18.1	ug/L	91			79	113	
	1,1,1-Trichloroethane	20	17.6	ug/L	88			80	108	
	Methylcyclohexane	20	18.7	ug/L	94			72	115	
	Benzene	20	19.2	ug/L	96			82	109	
	1,2-Dichloroethane	20	18.4	ug/L	92			80	115	
	Trichloroethene	20	18.0	ug/L	90			77	113	
	1,2-Dichloropropane	20	19.4	ug/L	97			83	111	
	Bromodichloromethane	20	18.1	ug/L	91			83	110	
	4-Methyl-2-Pentanone	100	110	ug/L	110			74	118	
	Toluene	20	19.4	ug/L	97			82	110	
	t-1,3-Dichloropropene	20	17.9	ug/L	90			79	110	
	cis-1,3-Dichloropropene	20	19.5	ug/L	98			82	110	
	1,1,2-Trichloroethane	20	17.6	ug/L	88			83	112	
	2-Hexanone	100	82.7	ug/L	83			73	117	
	Dibromochloromethane	20	17.2	ug/L	86			82	110	
	1,2-Dibromoethane	20	18.3	ug/L	92			81	110	
	Tetrachloroethene	20	18.6	ug/L	93			67	123	
	Chlorobenzene	20	18.0	ug/L	90			82	109	
	Ethyl Benzene	20	19.1	ug/L	96			83	109	
	m/p-Xylenes	40	36.4	ug/L	91			82	110	
	o-Xylene	20	19.6	ug/L	98			83	109	
	Styrene	20	20.4	ug/L	102			80	111	
	Bromoform	20	18.6	ug/L	93			79	109	
	Isopropylbenzene	20	19.7	ug/L	99			83	112	
	1,1,2,2-Tetrachloroethane	20	17.8	ug/L	89			76	118	
	1,3-Dichlorobenzene	20	18.6	ug/L	93			82	108	
	1,4-Dichlorobenzene	20	18.8	ug/L	94			82	107	
	1,2-Dichlorobenzene	20	18.6	ug/L	93			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2924 **Analytical Method:** SW8260-Low

Client: AECOM **Datafile :** VV038985.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VV0821WBS01	1,2-Dibromo-3-Chloropropane	20	19.1	ug/L	96			68	112	
	1,2,4-Trichlorobenzene	20	17.0	ug/L	85			75	113	
	1,2,3-Trichlorobenzene	20	18.4	ug/L	92			76	114	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2924 **Analytical Method:** SW8260-Low

Client: AECOM **Datafile :** VV039011.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VV0822WBS01	Dichlorodifluoromethane	20	16.0	ug/L	80			69	116	
	Chloromethane	20	15.7	ug/L	79			65	116	
	Vinyl chloride	20	16.7	ug/L	84			65	117	
	Bromomethane	20	19.2	ug/L	96			58	125	
	Chloroethane	20	21.3	ug/L	106			56	128	
	Trichlorofluoromethane	20	18.7	ug/L	94			73	115	
	1,1,2-Trichlorotrifluoroethane	20	20.1	ug/L	101			80	112	
	1,1-Dichloroethene	20	21.7	ug/L	109			74	110	
	Acetone	100	120	ug/L	120			60	125	
	Carbon disulfide	20	22.2	ug/L	111			64	112	
	Methyl tert-butyl Ether	20	23.6	ug/L	118		*	78	114	
	Methyl Acetate	20	26.9	ug/L	135		*	67	125	
	Methylene Chloride	20	20.7	ug/L	104			72	114	
	trans-1,2-Dichloroethene	20	21.7	ug/L	109		*	75	108	
	1,1-Dichloroethane	20	20.8	ug/L	104			78	112	
	Cyclohexane	20	21.4	ug/L	107			75	110	
	2-Butanone	100	120	ug/L	120			65	122	
	Carbon Tetrachloride	20	16.1	ug/L	81			77	113	
	cis-1,2-Dichloroethene	20	20.9	ug/L	104			77	110	
	Bromochloromethane	20	25.1	ug/L	126		*	70	124	
	Chloroform	20	19.1	ug/L	96			79	113	
	1,1,1-Trichloroethane	20	17.7	ug/L	89			80	108	
	Methylcyclohexane	20	19.8	ug/L	99			72	115	
	Benzene	20	19.4	ug/L	97			82	109	
	1,2-Dichloroethane	20	17.5	ug/L	88			80	115	
	Trichloroethene	20	17.6	ug/L	88			77	113	
	1,2-Dichloropropane	20	19.5	ug/L	98			83	111	
	Bromodichloromethane	20	17.6	ug/L	88			83	110	
	4-Methyl-2-Pentanone	100	110	ug/L	110			74	118	
	Toluene	20	19.6	ug/L	98			82	110	
	t-1,3-Dichloropropene	20	18.8	ug/L	94			79	110	
	cis-1,3-Dichloropropene	20	20.1	ug/L	101			82	110	
	1,1,2-Trichloroethane	20	17.6	ug/L	88			83	112	
	2-Hexanone	100	85.6	ug/L	86			73	117	
	Dibromochloromethane	20	16.8	ug/L	84			82	110	
	1,2-Dibromoethane	20	18.3	ug/L	92			81	110	
	Tetrachloroethene	20	18.3	ug/L	92			67	123	
	Chlorobenzene	20	18.8	ug/L	94			82	109	
	Ethyl Benzene	20	20.7	ug/L	104			83	109	
	m/p-Xylenes	40	41.0	ug/L	103			82	110	
	o-Xylene	20	20.8	ug/L	104			83	109	
	Styrene	20	21.4	ug/L	107			80	111	
	Bromoform	20	17.7	ug/L	89			79	109	
	Isopropylbenzene	20	21.5	ug/L	108			83	112	
	1,1,2,2-Tetrachloroethane	20	18.5	ug/L	93			76	118	
	1,3-Dichlorobenzene	20	19.6	ug/L	98			82	108	
	1,4-Dichlorobenzene	20	18.7	ug/L	94			82	107	
	1,2-Dichlorobenzene	20	19.4	ug/L	97			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2924 **Analytical Method:** SW8260-Low

Client: AECOM **Datafile :** VV039011.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VV0822WBS01	1,2-Dibromo-3-Chloropropane	20	21.2	ug/L	106			68	112	
	1,2,4-Trichlorobenzene	20	19.9	ug/L	100			75	113	
	1,2,3-Trichlorobenzene	20	19.9	ug/L	100			76	114	

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VOLATILE METHOD BLANK SUMMARY

Client ID: VV0821WBL01

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q2924

Lab File ID: VV038984.D Lab Sample ID: VV0821WBL01

Date Analyzed: 08/21/2025 Time Analyzed: 16:34

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

Instrument ID: MSVOA_V

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VV0821WBS01	VV0821WBS01	VV038985.D	08/21/2025
TB	Q2924-12	VV038995.D	08/21/2025
FB-01-082025	Q2924-11	VV038996.D	08/21/2025
MW-10C-082025	Q2924-01	VV038997.D	08/21/2025
MW-2B-082025	Q2924-05	VV038998.D	08/21/2025
MW-2A-082025	Q2924-06	VV038999.D	08/21/2025
MW-18C-082025	Q2924-07	VV039000.D	08/21/2025
MW-16A-082025	Q2924-08	VV039001.D	08/21/2025
MW-16C-082025	Q2924-09	VV039002.D	08/21/2025
MW-8A-082025	Q2924-10	VV039003.D	08/21/2025
MW-201-082025	Q2924-02	VV039004.D	08/21/2025
MW-201-082025MS	Q2924-03MS	VV039005.D	08/22/2025
MW-201-082025MSD	Q2924-04MSD	VV039006.D	08/22/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VV0822WBL01

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q2924

Lab File ID: VV039010.D | Lab Sample ID: VV0822WBL01

Date Analyzed: 08/22/2025 | Time Analyzed: 10:55

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

Instrument ID: MSVOA_V

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VV0822WBS01	VV0822WBS01	VV039011.D	08/22/2025
MW-2B-082025DL	Q2924-05DL	VV039014.D	08/22/2025
MW-201-082025DL	Q2924-02DL	VV039015.D	08/22/2025
MW-2B-082025DL2	Q2924-05DL2	VV039017.D	08/22/2025
MW-201-082025DL2	Q2924-02DL2	VV039018.D	08/22/2025

COMMENTS:

Raw Data: **VV038972.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q2924

Lab File ID: VV038972.D | BFB Injection Date: 08/21/2025

Instrument ID: MSVOA_V | BFB Injection Time: 08:34

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	15.6
75	30.0 - 60.0% of mass 95	48.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	1.5 (1.9) 1
174	50.0 - 100.0% of mass 95	80.3
175	5.0 - 9.0% of mass 174	6.1 (7.6) 1
176	95.0 - 101.0% of mass 174	79.3 (98.8) 1
177	5.0 - 9.0% of mass 176	5.3 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VV038973.D	08/21/2025	09:05
VSTDICC005	VSTDICC005	VV038974.D	08/21/2025	09:48
VSTDICC020	VSTDICC020	VV038975.D	08/21/2025	10:17
VSTDICCC050	VSTDICCC050	VV038976.D	08/21/2025	10:38
VSTDICC100	VSTDICC100	VV038977.D	08/21/2025	11:02
VSTDICC010	VSTDICC010	VV038979.D	08/21/2025	11:45

Raw Data: **VV038981.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q2924

Lab File ID: VV038981.D | BFB Injection Date: 08/21/2025

Instrument ID: MSVOA_V | BFB Injection Time: 15:11

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	16
75	30.0 - 60.0% of mass 95	50.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	1.5 (1.8) 1
174	50.0 - 100.0% of mass 95	83.7
175	5.0 - 9.0% of mass 174	6.2 (7.4) 1
176	95.0 - 101.0% of mass 174	81.8 (97.8) 1
177	5.0 - 9.0% of mass 176	5.2 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VV038982.D	08/21/2025	15:42
VV0821WBL01	VV0821WBL01	VV038984.D	08/21/2025	16:34
VV0821WBS01	VV0821WBS01	VV038985.D	08/21/2025	17:09
TB	Q2924-12	VV038995.D	08/21/2025	20:45
FB-01-082025	Q2924-11	VV038996.D	08/21/2025	21:06
MW-10C-082025	Q2924-01	VV038997.D	08/21/2025	21:28
MW-2B-082025	Q2924-05	VV038998.D	08/21/2025	21:49
MW-2A-082025	Q2924-06	VV038999.D	08/21/2025	22:11
MW-18C-082025	Q2924-07	VV039000.D	08/21/2025	22:33
MW-16A-082025	Q2924-08	VV039001.D	08/21/2025	22:54
MW-16C-082025	Q2924-09	VV039002.D	08/21/2025	23:16
MW-8A-082025	Q2924-10	VV039003.D	08/21/2025	23:37
MW-201-082025	Q2924-02	VV039004.D	08/21/2025	23:59
MW-201-082025MS	Q2924-03MS	VV039005.D	08/22/2025	00:20
MW-201-082025MSD	Q2924-04MSD	VV039006.D	08/22/2025	00:42

Raw Data: **VV039008.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q2924

Lab File ID: VV039008.D | BFB Injection Date: 08/22/2025

Instrument ID: MSVOA_V | BFB Injection Time: 07:56

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.3
75	30.0 - 60.0% of mass 95	48.3
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	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	72
175	5.0 - 9.0% of mass 174	5.8 (8) 1
176	95.0 - 101.0% of mass 174	68.9 (95.8) 1
177	5.0 - 9.0% of mass 176	4.2 (6.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VV039009.D	08/22/2025	09:03
VV0822WBL01	VV0822WBL01	VV039010.D	08/22/2025	10:55
VV0822WBS01	VV0822WBS01	VV039011.D	08/22/2025	11:22
MW-2B-082025DL	Q2924-05DL	VV039014.D	08/22/2025	13:48
MW-201-082025DL	Q2924-02DL	VV039015.D	08/22/2025	14:10
MW-2B-082025DL2	Q2924-05DL2	VV039017.D	08/22/2025	15:06
MW-201-082025DL2	Q2924-02DL2	VV039018.D	08/22/2025	15:27

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q2924

Lab File ID: VV038982.D Date Analyzed: 08/21/2025

Instrument ID: MSVOA_V Time Analyzed: 15:42

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	531490	4.60	833989	5.53	788137	8.77
UPPER LIMIT	1062980	5.096	1667980	6.029	1576270	9.273
LOWER LIMIT	265745	4.096	416995	5.029	394069	8.273
EPA SAMPLE NO.						
MW-10C-082025	584771	4.60	1064789	5.53	974990	8.78
MW-201-082025	456156	4.61	816696	5.54	704493	8.78
MW-201-082025MS	528363	4.60	848358	5.54	744435	8.78
MW-201-082025MSD	516721	4.60	845786	5.53	728229	8.78
MW-2B-082025	444034	4.60	845792	5.53	758397	8.78
MW-2A-082025	650572	4.60	1153105	5.53	1016294	8.78
MW-18C-082025	671823	4.60	1168529	5.53	1007735	8.78
MW-16A-082025	676464	4.60	1214643	5.53	1082468	8.78
MW-16C-082025	675326	4.60	1219427	5.53	1080769	8.78
MW-8A-082025	403960	4.60	696194	5.53	801104	8.78
FB-01-082025	585262	4.60	1084020	5.53	978319	8.78
TB	587684	4.60	1058155	5.53	949705	8.78
VV0821WBL01	502511	4.60	836910	5.53	730493	8.78
VV0821WBS01	490499	4.60	863998	5.53	809489	8.77

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q2924

Lab File ID: VV038982.D Date Analyzed: 08/21/2025

Instrument ID: MSVOA_V Time Analyzed: 15:42

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

	IS4 AREA #	RT #				
12 HOUR STD	452177	11.172				
UPPER LIMIT	904354	11.672				
LOWER LIMIT	226089	10.672				
EPA SAMPLE NO.						
MW-10C-082025	354625	11.18				
MW-201-082025	442841	11.18				
MW-201-082025MS	531973	11.18				
MW-201-082025MSD	478184	11.18				
MW-2B-082025	411561	11.18				
MW-2A-082025	448609	11.18				
MW-18C-082025	449215	11.18				
MW-16A-082025	493806	11.18				
MW-16C-082025	439427	11.17				
MW-8A-082025	375249	11.18				
FB-01-082025	424569	11.18				
TB	415869	11.18				
VV0821WBL01	318475	11.18				
VV0821WBS01	439751	11.17				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q2924

Lab File ID: VV039009.D Date Analyzed: 08/22/2025

Instrument ID: MSVOA_V Time Analyzed: 09:03

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	735484	4.60	1263800	5.53	1133330	8.77
UPPER LIMIT	1470970	5.097	2527600	6.029	2266660	9.273
LOWER LIMIT	367742	4.097	631899	5.029	566665	8.273
EPA SAMPLE NO.						
MW-201-082025DL	581936	4.60	1169048	5.53	1041283	8.78
MW-201-082025DL2	766342	4.60	1437458	5.53	1305700	8.77
MW-2B-082025DL	617177	4.60	1163830	5.53	1033790	8.78
MW-2B-082025DL2	582933	4.60	1168109	5.53	1042248	8.77
VV0822WBL01	530331	4.60	1082642	5.53	991839	8.78
VV0822WBS01	711068	4.60	1223613	5.53	1111109	8.77

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q2924

Lab File ID: VV039009.D Date Analyzed: 08/22/2025

Instrument ID: MSVOA_V Time Analyzed: 09:03

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

	IS4 AREA #	RT #				
12 HOUR STD	587247	11.172				
UPPER LIMIT	1174490	11.672				
LOWER LIMIT	293624	10.672				
EPA SAMPLE NO.						
MW-201-082025DL	510275	11.17				
MW-201-082025DL2	617094	11.17				
MW-2B-082025DL	477379	11.17				
MW-2B-082025DL2	457197	11.17				
VV0822WBL01	416909	11.18				
VV0822WBS01	587275	11.17				

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: **VV038997.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-10C-082025	SDG No.:	Q2924
Lab Sample ID:	Q2924-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV038997.D	1	08/21/25 21:28	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.00	U	0.22	5.00	ug/L
74-87-3	Chloromethane	5.00	U	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	2.60	J	0.26	5.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	5.00	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	5.00	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	5.00	U	0.23	5.00	ug/L
67-64-1	Acetone	25.0	U	1.50	25.0	ug/L
75-15-0	Carbon Disulfide	5.00	U	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	5.00	U	0.16	5.00	ug/L
79-20-9	Methyl Acetate	5.00	U	0.27	5.00	ug/L
75-09-2	Methylene Chloride	5.00	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	5.00	U	0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	5.00	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.50	5.00	ug/L
78-93-3	2-Butanone	25.0	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	6.70		0.19	5.00	ug/L
74-97-5	Bromochloromethane	5.00	U	0.22	5.00	ug/L
67-66-3	Chloroform	5.00	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	5.00	U	0.16	5.00	ug/L
71-43-2	Benzene	5.00	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	5.00	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	5.40		0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	5.00	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	5.00	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	U	0.68	25.0	ug/L
108-88-3	Toluene	5.00	U	0.14	5.00	ug/L

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-10C-082025	SDG No.:	Q2924
Lab Sample ID:	Q2924-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV038997.D	1	08/21/25 21:28	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	5.00	U	0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	U	0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	5.00	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	25.0	U	0.89	25.0	ug/L
124-48-1	Dibromochloromethane	5.00	U	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	5.00	U	0.15	5.00	ug/L
127-18-4	Tetrachloroethene	29.9		0.23	5.00	ug/L
108-90-7	Chlorobenzene	5.00	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	5.00	U	0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	10.0	U	0.24	10.0	ug/L
95-47-6	o-Xylene	5.00	U	0.12	5.00	ug/L
100-42-5	Styrene	5.00	U	0.15	5.00	ug/L
75-25-2	Bromoform	5.00	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	5.00	U	0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	U	0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.8		74 - 125	110%	SPK: 50
1868-53-7	Dibromofluoromethane	46.5		75 - 124	93%	SPK: 50
2037-26-5	Toluene-d8	45.0		86 - 113	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.7		77 - 121	83%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	585000	4.6			
540-36-3	1,4-Difluorobenzene	1060000	5.532			
3114-55-4	Chlorobenzene-d5	975000	8.776			
3855-82-1	1,4-Dichlorobenzene-d4	355000	11.175			

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-10C-082025	SDG No.:	Q2924
Lab Sample ID:	Q2924-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV038997.D	1	08/21/25 21:28	VV082125

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_V\DATA\VV082125\
Data File : VV038997.D
Acq On : 21 Aug 2025 21:28
Operator : SY/MD
Sample : Q2924-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-10C-082025

Quant Time: Aug 22 04:39:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

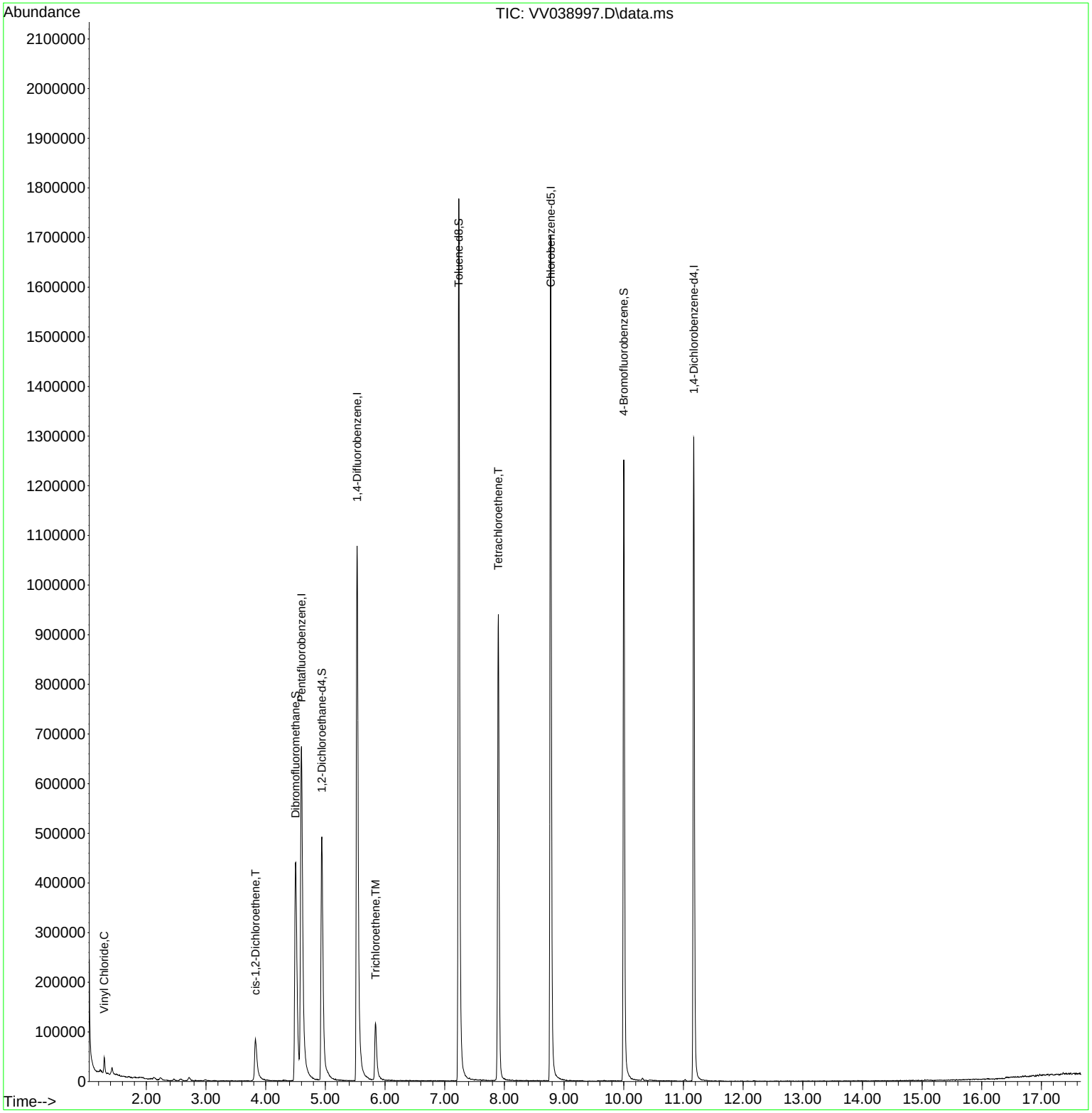
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	584771	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1064789	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	974990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	354625	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	449258	54.752	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 109.500%			
35) Dibromofluoromethane	4.503	113	371568	46.531	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 93.060%			
50) Toluene-d8	7.236	98	1252694	44.987	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 89.980%			
62) 4-Bromofluorobenzene	10.001	95	425018	41.723	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 83.440%#			
Target Compounds						Qvalue
4) Vinyl Chloride	1.294	62	25149	2.640	ug/l	97
27) cis-1,2-Dichloroethene	3.828	96	56011	6.713	ug/l	91
44) Trichloroethene	5.841	130	47990	5.447	ug/l	88
64) Tetrachloroethene	7.899	164	216885	29.895	ug/l	99

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

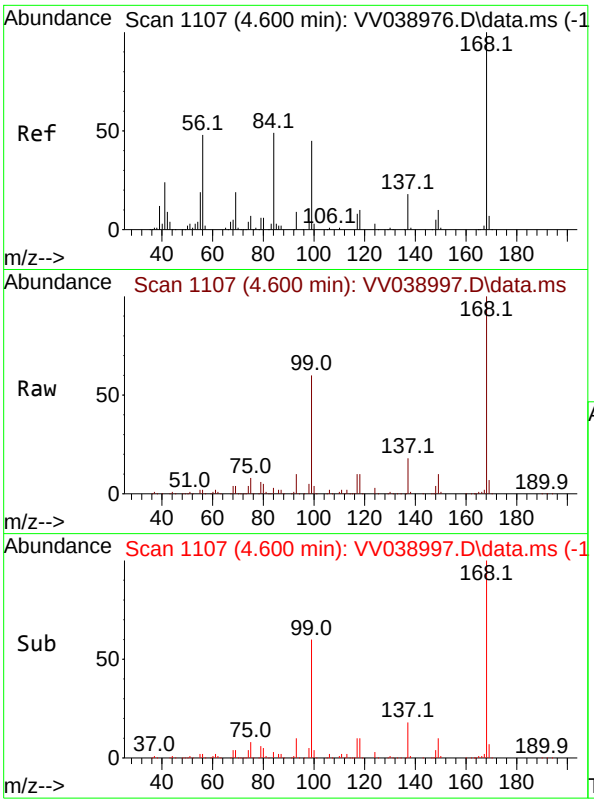
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038997.D
Acq On : 21 Aug 2025 21:28
Operator : SY/MD
Sample : Q2924-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-10C-082025

Quant Time: Aug 22 04:39:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration



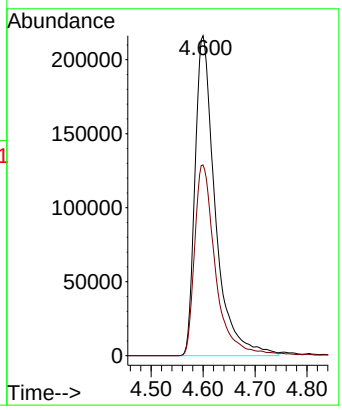
Instrument :
MSVOA_V
ClientSampleId :
MW-10C-082025

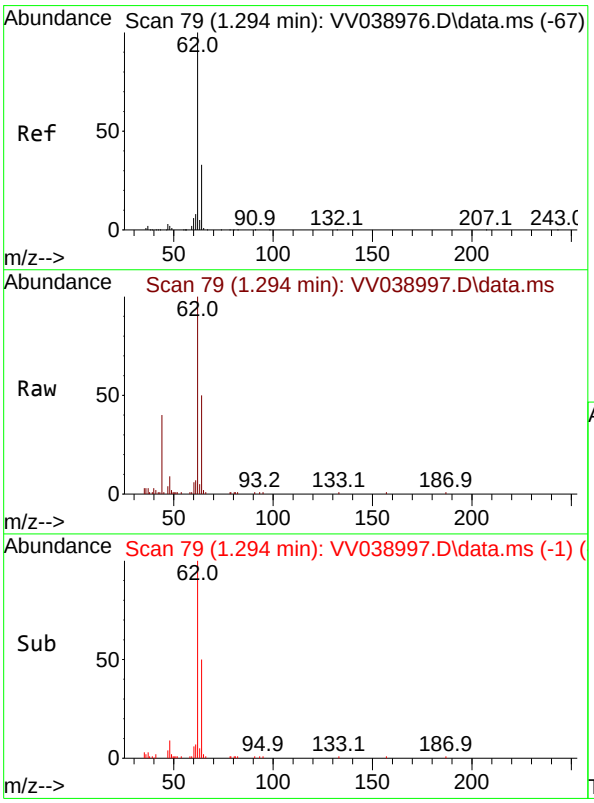


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV038997.D
Acq: 21 Aug 2025 21:28

Tgt Ion:168 Resp: 584771

Ion	Ratio	Lower	Upper
168	100		
99	59.6	47.0	70.6

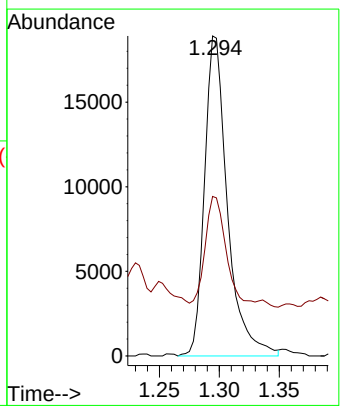


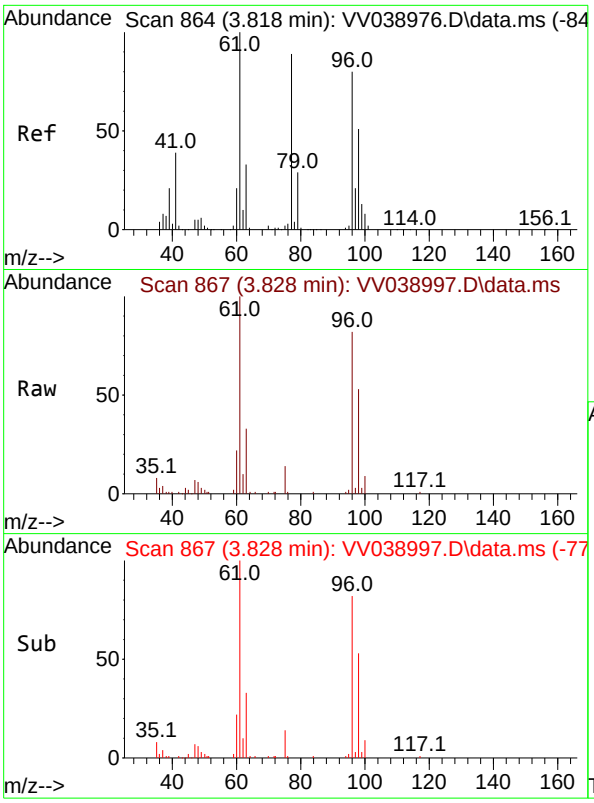


#4
Vinyl Chloride
Concen: 2.640 ug/l
RT: 1.294 min Scan# 79
Delta R.T. -0.000 min
Lab File: VV038997.D
Acq: 21 Aug 2025 21:28

Tgt Ion: 62 Resp: 25149

Ion	Ratio	Lower	Upper
62	100		
64	34.6	26.4	39.6



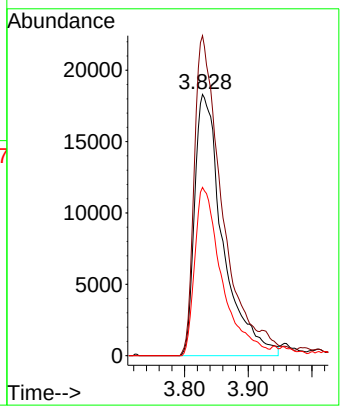


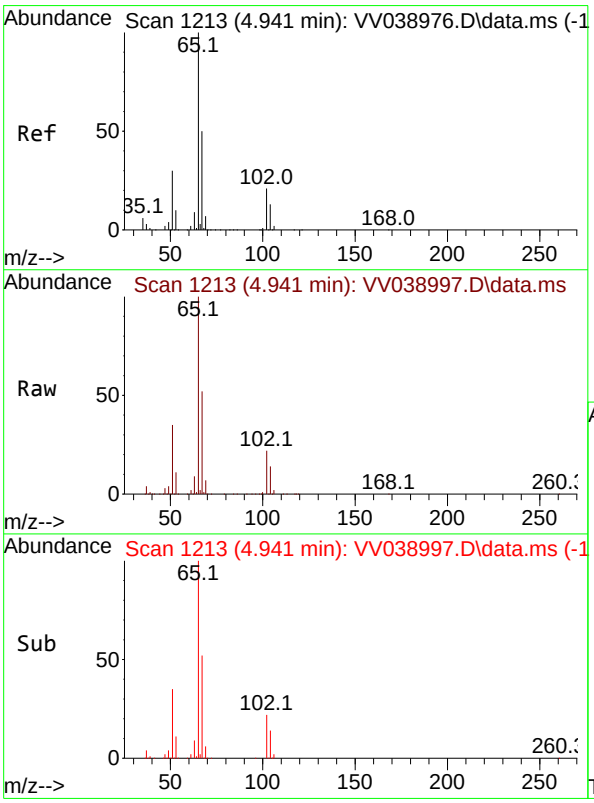
#27
cis-1,2-Dichloroethene
Concen: 6.713 ug/l
RT: 3.828 min Scan# 8
Delta R.T. 0.010 min
Lab File: VV038997.D
Acq: 21 Aug 2025 21:28

Instrument :
MSVOA_V
ClientSampleId :
MW-10C-082025

Tgt Ion: 96 Resp: 56011

Ion	Ratio	Lower	Upper
96	100		
61	118.9	0.0	264.4
98	62.6	0.0	131.8

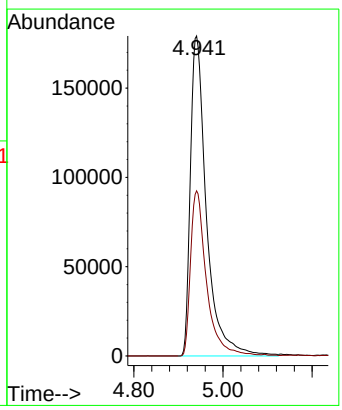


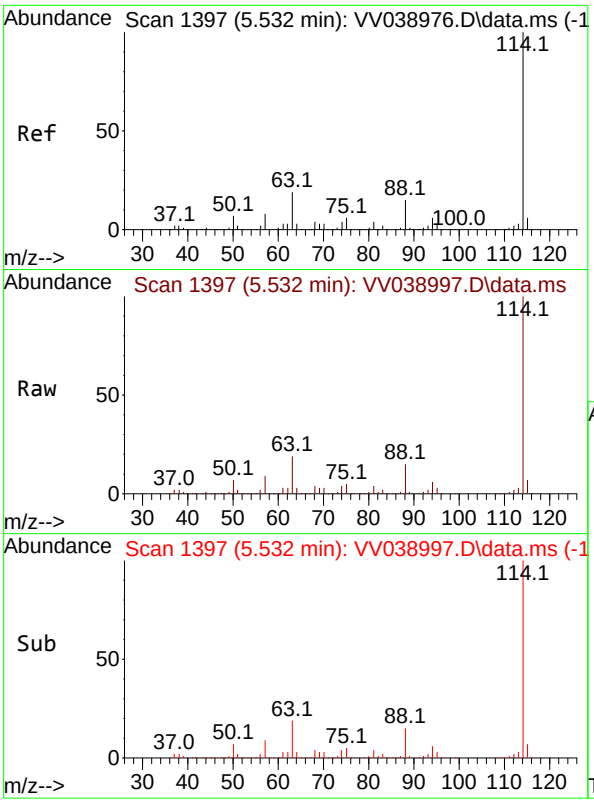


#33
1,2-Dichloroethane-d4
Concen: 54.752 ug/l
RT: 4.941 min Scan# 1213
Delta R.T. -0.000 min
Lab File: VV038997.D
Acq: 21 Aug 2025 21:28

Tgt Ion: 65 Resp: 449258

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	100.4



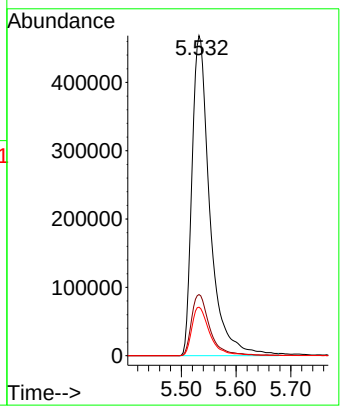


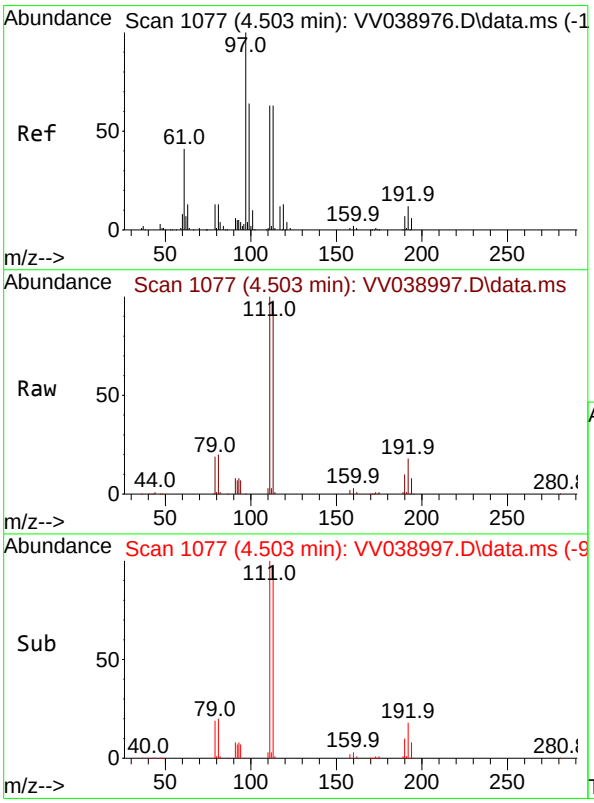
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV038997.D
Acq: 21 Aug 2025 21:28

Instrument :
MSVOA_V
ClientSampleId :
MW-10C-082025

Tgt Ion:114 Resp: 1064789

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	37.4
88	15.2	0.0	30.4

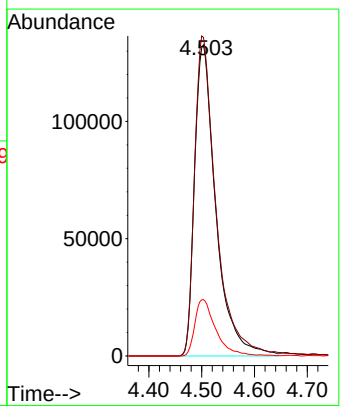


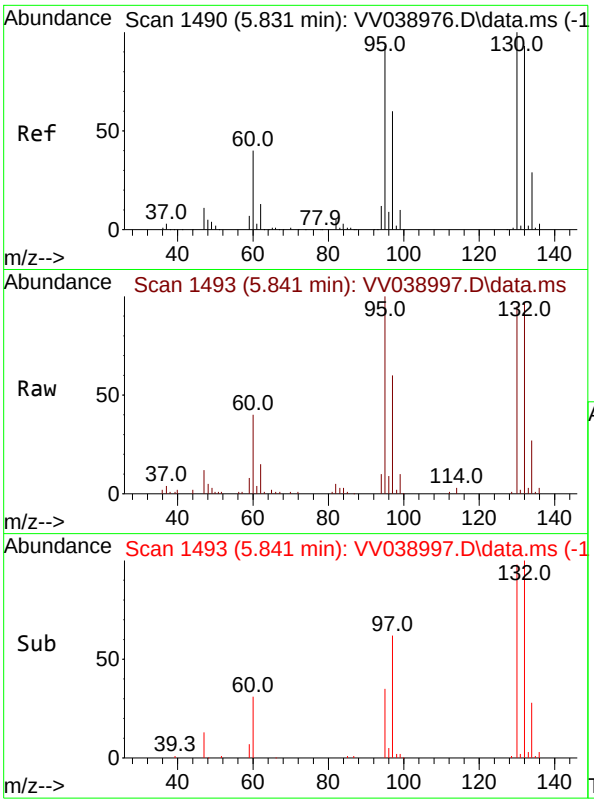


#35
Dibromofluoromethane
Concen: 46.531 ug/l
RT: 4.503 min Scan# 1077
Delta R.T. -0.000 min
Lab File: VV038997.D
Acq: 21 Aug 2025 21:28

Tgt Ion:113 Resp: 371568

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.3	121.9
192	17.7	15.4	23.0



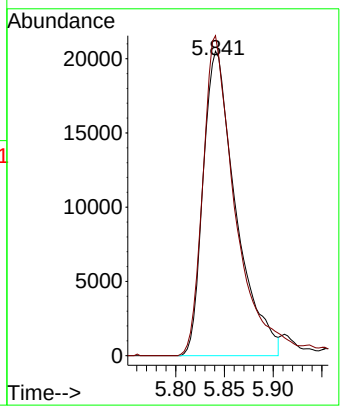


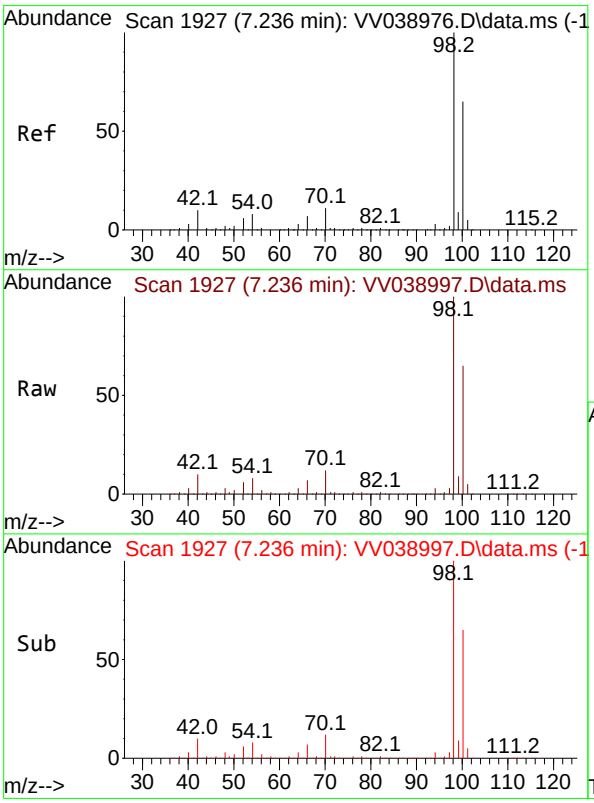
#44
Trichloroethene
Concen: 5.447 ug/l
RT: 5.841 min Scan# 14
Delta R.T. 0.010 min
Lab File: VV038997.D
Acq: 21 Aug 2025 21:28

Instrument :
MSVOA_V
ClientSampleId :
MW-10C-082025

Tgt Ion:130 Resp: 47990

Ion	Ratio	Lower	Upper
130	100		
95	105.1	0.0	186.6

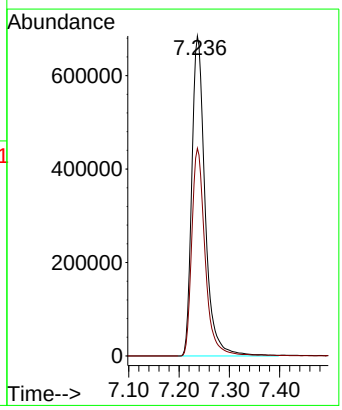


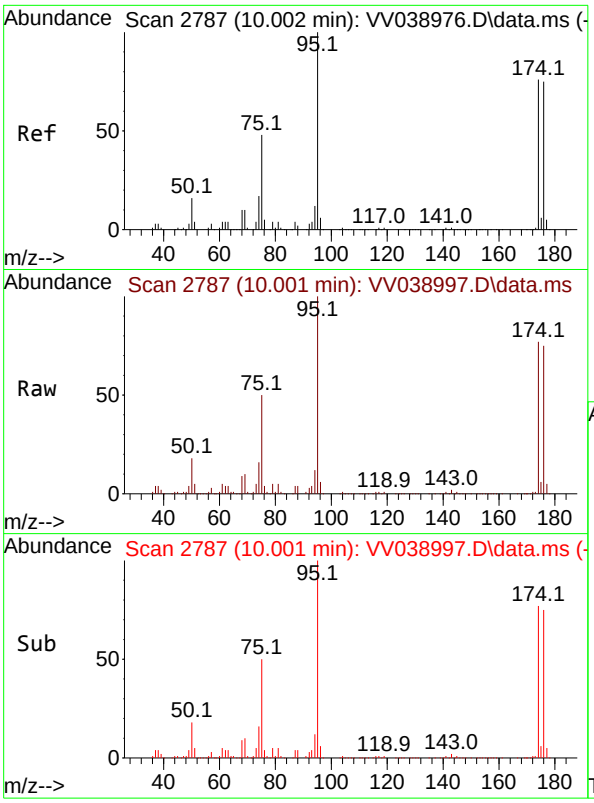


#50
Toluene-d8
Concen: 44.987 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV038997.D
Acq: 21 Aug 2025 21:28

Tgt Ion: 98 Resp: 1252694

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.2	78.2



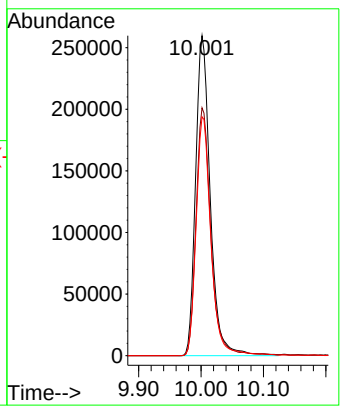


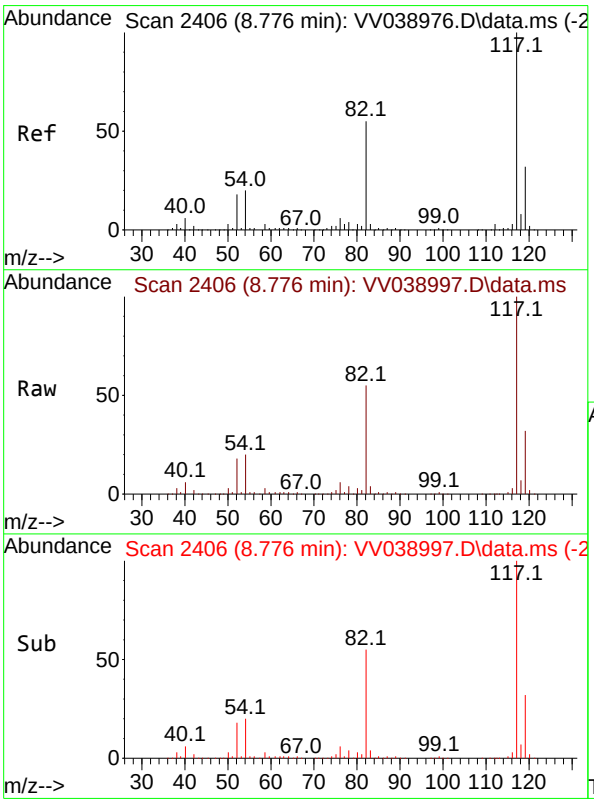
#62
4-Bromofluorobenzene
Concen: 41.723 ug/l
RT: 10.001 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV038997.D
Acq: 21 Aug 2025 21:28

Instrument :
MSVOA_V
ClientSampleId :
MW-10C-082025

Tgt Ion: 95 Resp: 425018

Ion	Ratio	Lower	Upper
95	100		
174	77.9	0.0	154.4
176	75.3	0.0	148.6

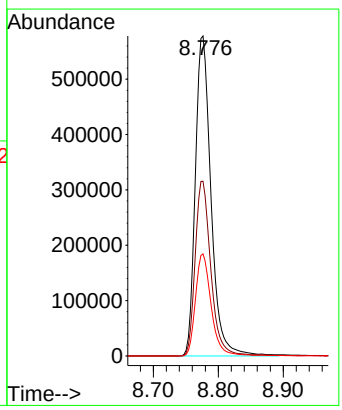


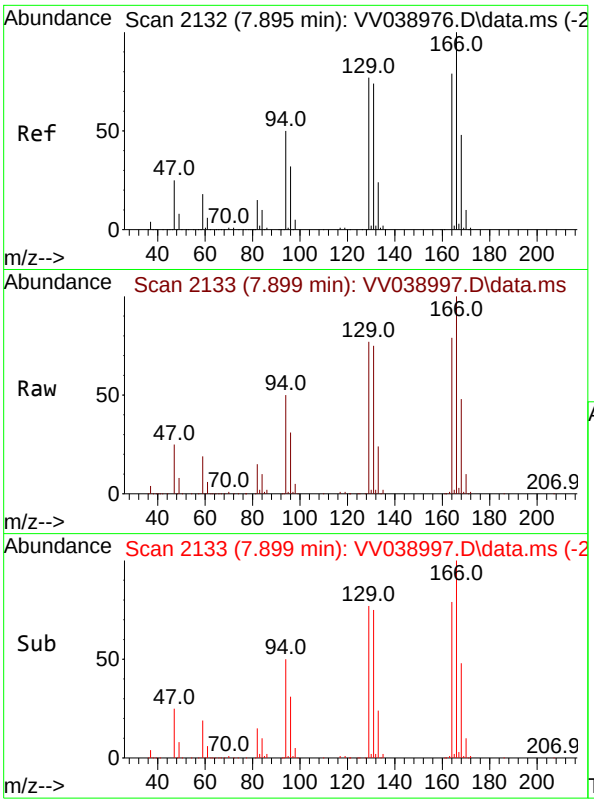


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.000 min
Lab File: VV038997.D
Acq: 21 Aug 2025 21:28

Tgt Ion:117 Resp: 974990

Ion	Ratio	Lower	Upper
117	100		
82	54.6	44.4	66.6
119	31.9	26.0	39.0



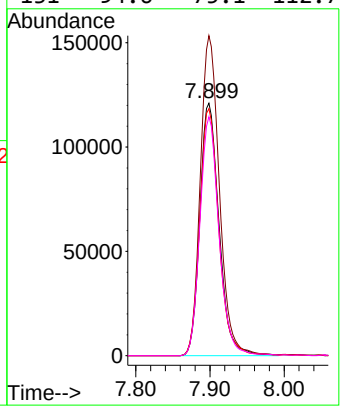


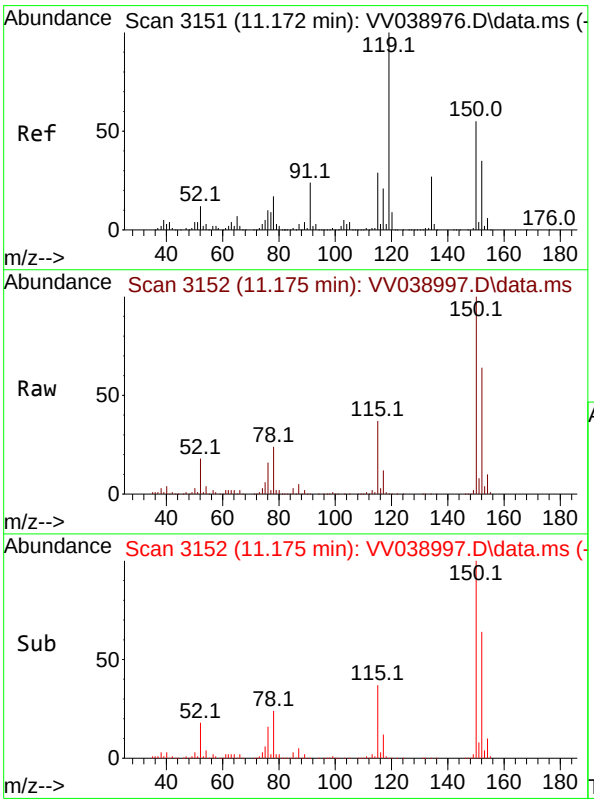
#64
Tetrachloroethene
Concen: 29.895 ug/l
RT: 7.899 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV038997.D
Acq: 21 Aug 2025 21:28

Instrument :
MSVOA_V
ClientSampleId :
MW-10C-082025

Tgt Ion:164 Resp: 216885

Ion	Ratio	Lower	Upper
164	100		
166	126.7	101.8	152.6
129	97.9	78.7	118.1
131	94.6	75.1	112.7

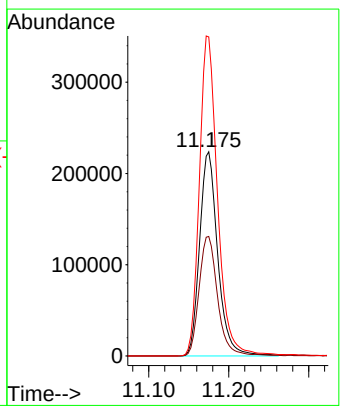




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.175 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VV038997.D
Acq: 21 Aug 2025 21:28

Tgt Ion:152 Resp: 354625

Ion	Ratio	Lower	Upper
152	100		
115	59.7	42.5	127.5
150	156.7	0.0	344.8



Sample Results: **VV038997.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038997.D
Acq On : 21 Aug 2025 21:28
Operator : SY/MD
Sample : Q2924-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-10C-082025

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_V\Method\82V082125W.M
Title : SW846 8260

Signal : TIC: VV038997.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.294	73	79	91	rVB	32482	44358	1.36%	0.231%
2	3.828	850	867	895	rBV3	83993	251600	7.70%	1.308%
3	4.503	1063	1077	1095	rBV	439742	1168060	35.75%	6.071%
4	4.600	1095	1107	1152	rVB2	666631	1832077	56.07%	9.522%
5	4.941	1202	1213	1254	rBV	488852	1234924	37.79%	6.418%
6	5.532	1385	1397	1441	rBV	1077244	2478822	75.86%	12.883%
7	5.841	1482	1493	1513	rBV3	113334	263259	8.06%	1.368%
8	7.236	1916	1927	1961	rBV	1776659	3267683	100.00%	16.983%
9	7.899	2119	2133	2154	rBV	937724	1673817	51.22%	8.699%
10	8.776	2393	2406	2433	rBV	1702842	2890387	88.45%	15.022%
11	10.001	2776	2787	2815	rBV	1251035	2061336	63.08%	10.713%
12	11.172	3140	3151	3178	rBV	1296201	2074851	63.50%	10.783%

Sum of corrected areas: 19241174

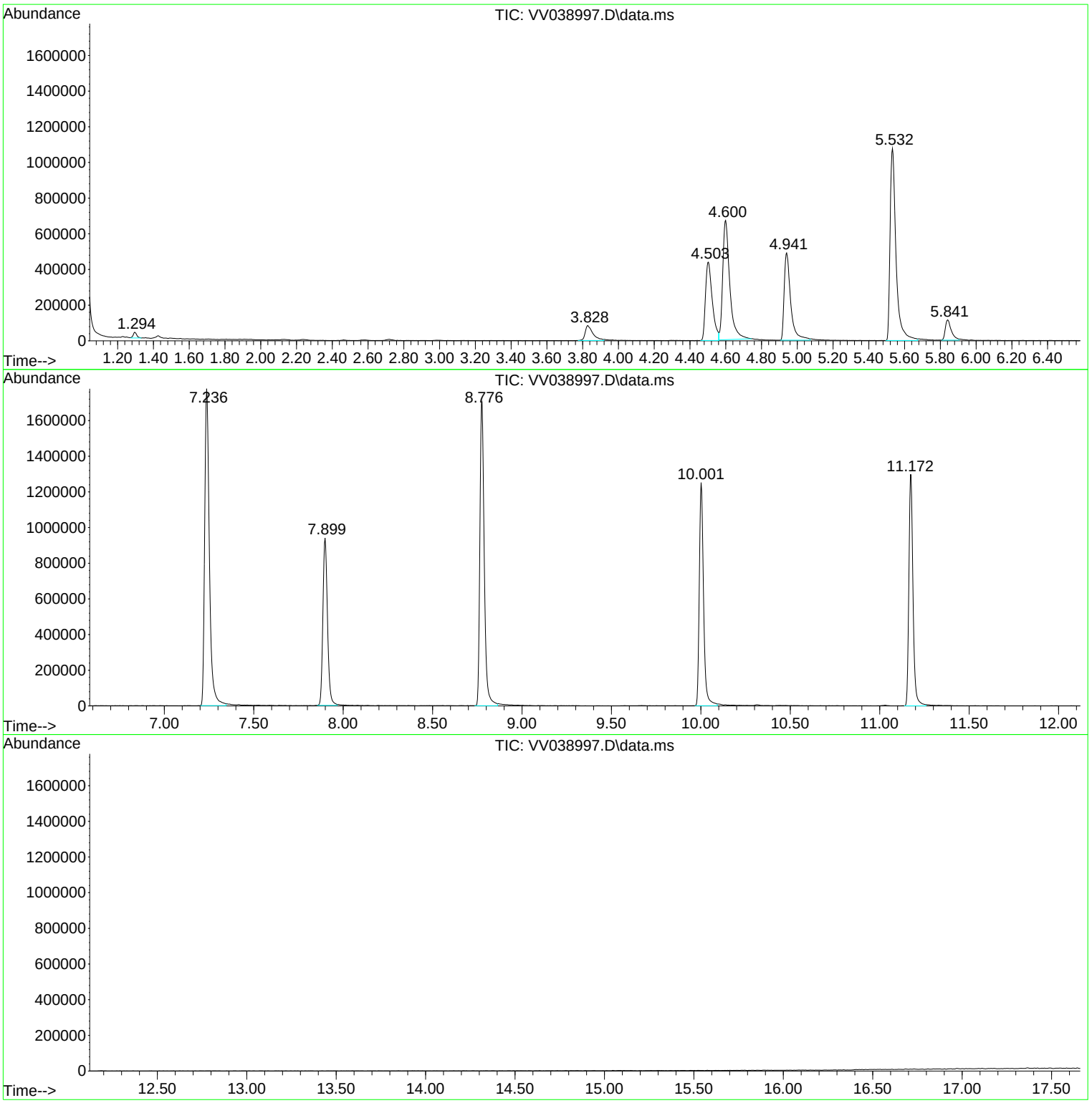
Sample Results: **VV038997.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038997.D
Acq On : 21 Aug 2025 21:28
Operator : SY/MD
Sample : Q2924-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-10C-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VV038997.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038997.D
Acq On : 21 Aug 2025 21:28
Operator : SY/MD
Sample : Q2924-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-10C-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.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_V\DATA\VV082125\
Data File : VV038997.D
Acq On : 21 Aug 2025 21:28
Operator : SY/MD
Sample : Q2924-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-10C-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.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: **VV039004.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-201-082025	SDG No.:	Q2924
Lab Sample ID:	Q2924-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039004.D	1	08/21/25 23:59	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.00	U	0.22	5.00	ug/L
74-87-3	Chloromethane	5.00	U	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	5.00	U	0.26	5.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	5.00	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	5.00	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	5.00	U	0.23	5.00	ug/L
67-64-1	Acetone	25.0	U	1.50	25.0	ug/L
75-15-0	Carbon Disulfide	5.00	U	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.92	J	0.16	5.00	ug/L
79-20-9	Methyl Acetate	5.00	U	0.27	5.00	ug/L
75-09-2	Methylene Chloride	5.00	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	210	E	0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	5.00	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.50	5.00	ug/L
78-93-3	2-Butanone	25.0	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	150	E	0.19	5.00	ug/L
74-97-5	Bromochloromethane	5.00	U	0.22	5.00	ug/L
67-66-3	Chloroform	5.00	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	5.00	U	0.16	5.00	ug/L
71-43-2	Benzene	1700	E	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	5.00	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	26.9		0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	5.00	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	5.00	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	U	0.68	25.0	ug/L
108-88-3	Toluene	3400	E	0.14	5.00	ug/L

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-201-082025	SDG No.:	Q2924
Lab Sample ID:	Q2924-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039004.D	1	08/21/25 23:59	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	5.00	U	0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	U	0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	5.00	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	25.0	U	0.89	25.0	ug/L
124-48-1	Dibromochloromethane	5.00	U	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	5.00	U	0.15	5.00	ug/L
127-18-4	Tetrachloroethene	5.00	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	5.00	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	650	E	0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	2400	E	0.24	10.0	ug/L
95-47-6	o-Xylene	2500	E	0.12	5.00	ug/L
100-42-5	Styrene	1900	E	0.15	5.00	ug/L
75-25-2	Bromoform	5.00	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	8.40		0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	U	0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.7		74 - 125	115%	SPK: 50
1868-53-7	Dibromofluoromethane	44.5		75 - 124	89%	SPK: 50
2037-26-5	Toluene-d8	44.9		86 - 113	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.7		77 - 121	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	456000	4.606			
540-36-3	1,4-Difluorobenzene	817000	5.535			
3114-55-4	Chlorobenzene-d5	704000	8.779			
3855-82-1	1,4-Dichlorobenzene-d4	443000	11.178			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VV039004.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-201-082025	SDG No.:	Q2924
Lab Sample ID:	Q2924-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039004.D	1	08/21/25 23:59	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
103-65-1	n-propylbenzene	30.4	J		10.3	ug/L
108-67-8	1,3,5-Trimethylbenzene	190	J		10.5	ug/L
95-63-6	1,2,4-Trimethylbenzene	660	J		10.8	ug/L
000622-97-9	Benzene, 1-ethenyl-4-methyl-	960	J		10.9	ug/L
000100-80-1	Benzene, 1-ethenyl-3-methyl-	340	J		11.0	ug/L
000526-73-8	Benzene, 1,2,3-trimethyl-	230	J		11.3	ug/L
000095-13-6	Indene	4200	J		11.7	ug/L
002177-47-1	2-Methylindene	620	J		12.9	ug/L
065051-83-4	Benzene, (1-methyl-2-cyclopropen-1	750	J		13.0	ug/L
000270-82-6	Benzo[c]thiophene	280	J		13.6	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

Sample Results: **VV039004.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039004.D
Acq On : 21 Aug 2025 23:59
Operator : SY/MD
Sample : Q2924-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 22 04:42:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.606	168	456156	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	816696	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.779	117	704493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.178	152	442841	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.950	65	369010	57.652	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 115.300%			
35) Dibromofluoromethane	4.506	113	272796	44.540	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 89.080%			
50) Toluene-d8	7.255	98	958827	44.894	ug/l	0.02
Spiked Amount 50.000	Range 89 - 112		Recovery = 89.780%			
62) 4-Bromofluorobenzene	10.005	95	435202	55.701	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 111.400%			
Target Compounds						Qvalue
19) Methyl tert-butyl Ether	2.712	73	14093	0.921	ug/l #	79
21) trans-1,2-Dichloroethene	2.703	96	1148589	213.010	ug/l	96
27) cis-1,2-Dichloroethene	3.818	96	948797	145.786	ug/l	92
40) Benzene	4.989	78	42836114m	1719.434	ug/l	
44) Trichloroethene	5.837	130	182094	26.946	ug/l	93
52) Toluene	7.300	92	53983621m	3421.475	ug/l	
67) Ethyl Benzene	8.934	91	16891172m	651.398	ug/l	
68) m/p-Xylenes	9.062	106	24375390m	2420.399	ug/l	
69) o-Xylene	9.477	106	23348534m	2543.667	ug/l	
70) Styrene	9.487	104	30354044m	1927.481	ug/l	
73) Isopropylbenzene	9.863	105	248185	8.352	ug/l	99
78) n-propylbenzene	10.281	91	1077764	30.377	ug/l	99
80) 1,3,5-Trimethylbenzene	10.468	105	4676312	186.995	ug/l	99
84) 1,2,4-Trimethylbenzene	10.840	105	15846996	662.178	ug/l	88

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

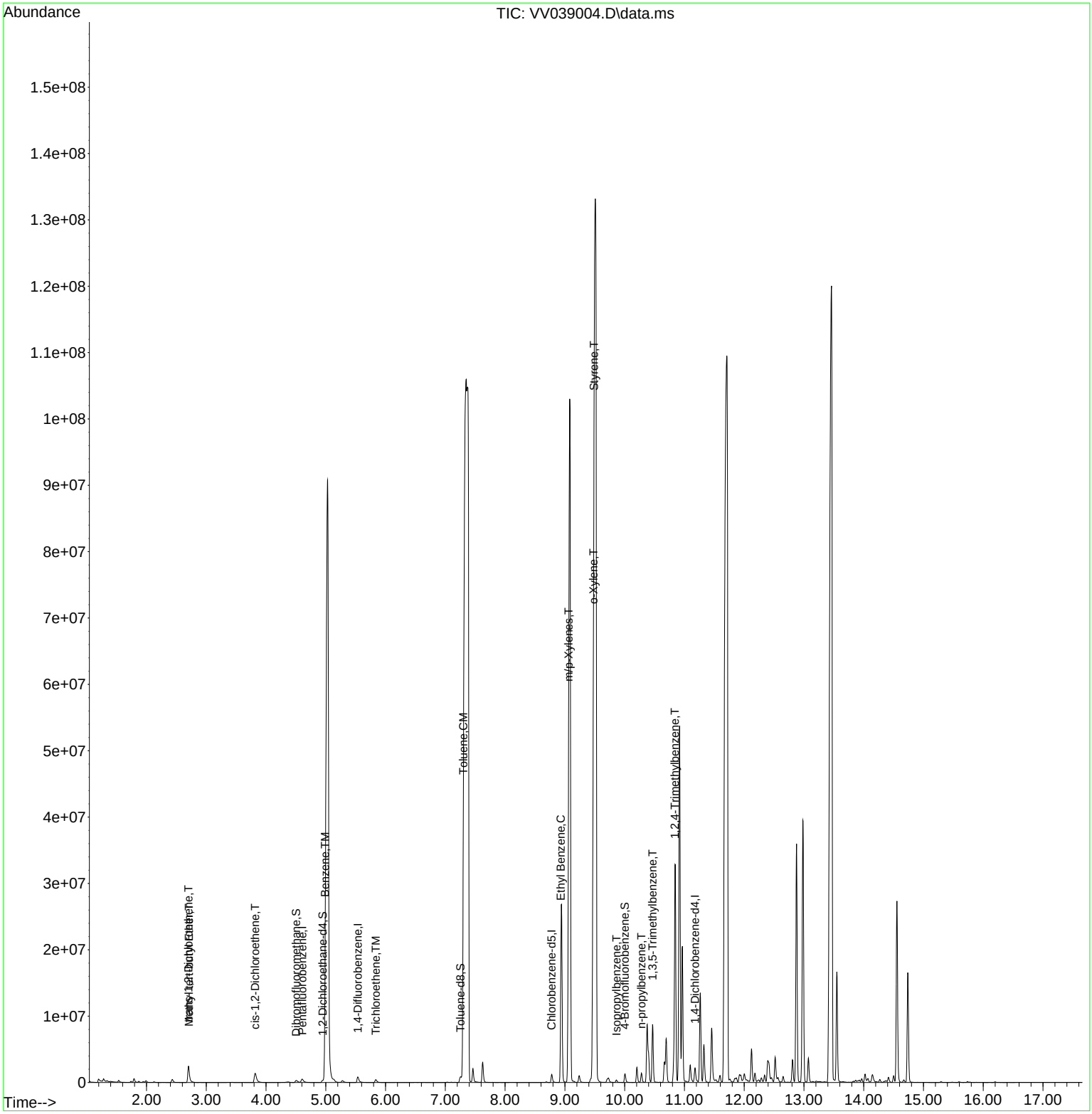
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039004.D
Acq On : 21 Aug 2025 23:59
Operator : SY/MD
Sample : Q2924-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 33 Sample Multiplier: 1

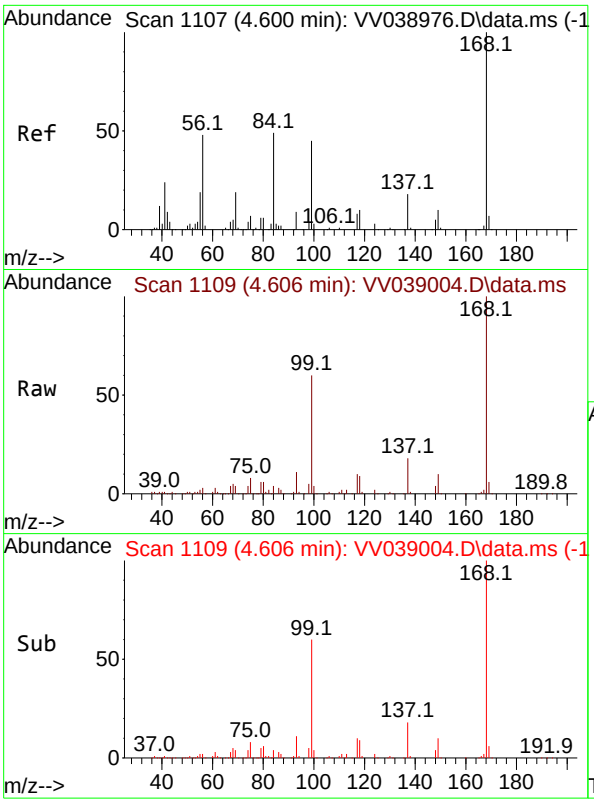
Quant Time: Aug 22 04:42:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.606 min Scan# 1
Delta R.T. 0.006 min
Lab File: VV039004.D
Acq: 21 Aug 2025 23:59

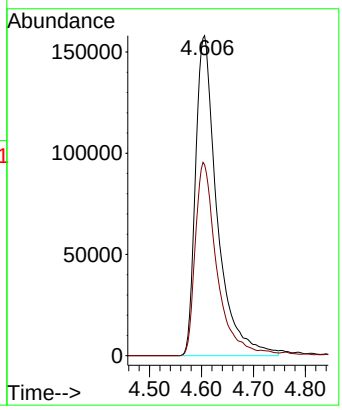
Tgt Ion:168 Resp: 45615

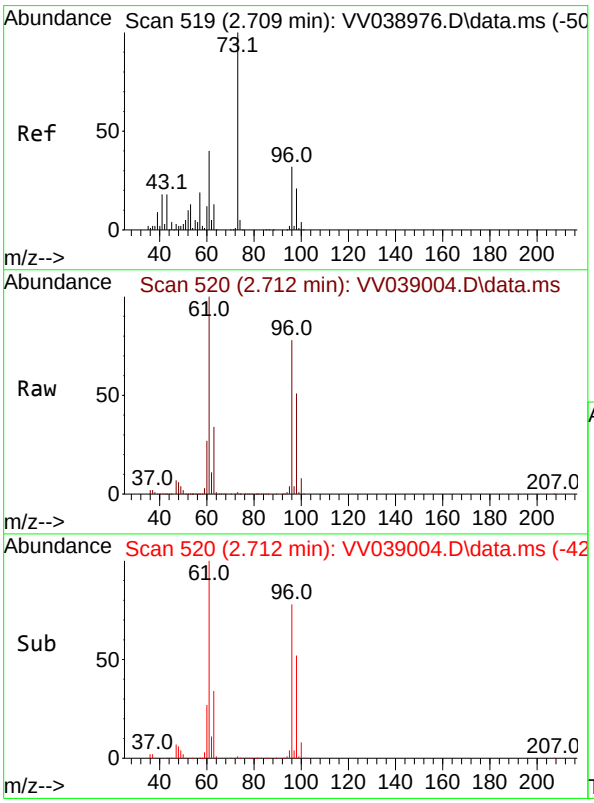
Ion	Ratio	Lower	Upper
168	100		
99	59.7	47.0	70.6

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

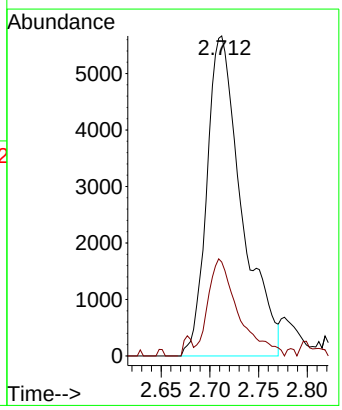


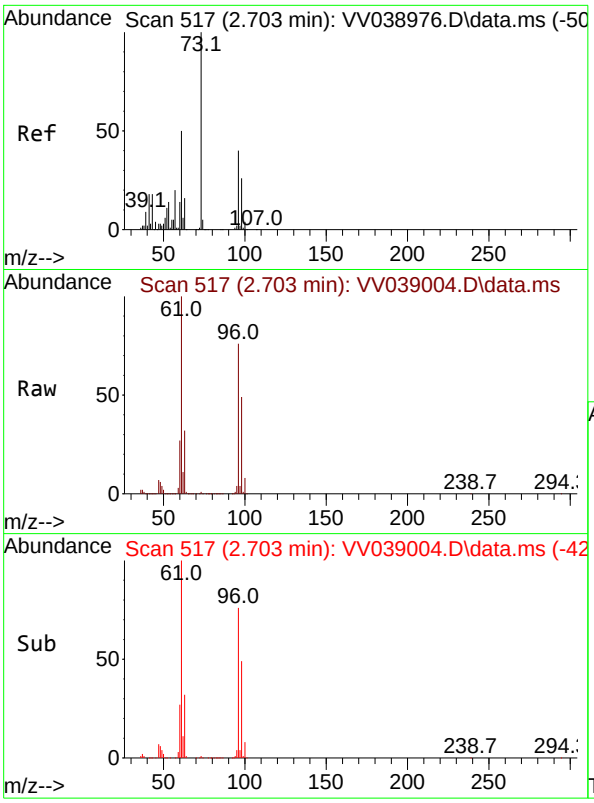


#19
Methyl tert-butyl Ether
Concen: 0.921 ug/l
RT: 2.712 min Scan# 520
Delta R.T. 0.003 min
Lab File: VV039004.D
Acq: 21 Aug 2025 23:59

Tgt Ion: 73 Resp: 14093

Ion	Ratio	Lower	Upper
73	100		
57	29.3	15.7	23.5#

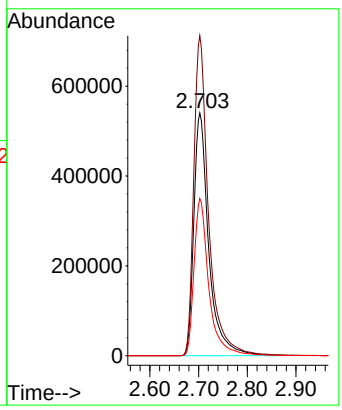




#21
trans-1,2-Dichloroethene
Concen: 213.010 ug/l
RT: 2.703 min Scan# 5
Delta R.T. -0.000 min
Lab File: VV039004.D
Acq: 21 Aug 2025 23:59

Tgt Ion: 96 Resp: 114858

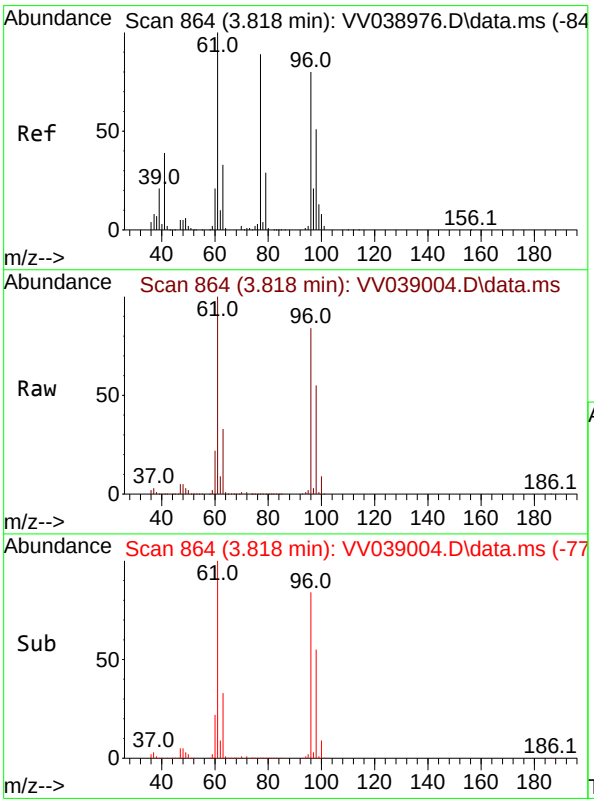
Ion	Ratio	Lower	Upper
96	100		
61	131.8	100.6	151.0
98	64.7	51.5	77.3



Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025

Manual Integrations
APPROVED

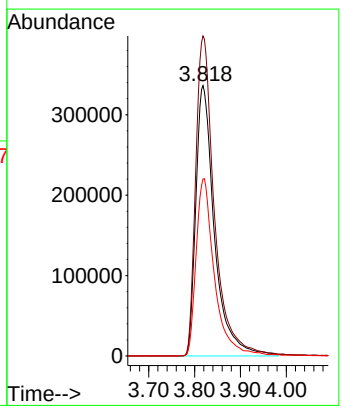
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

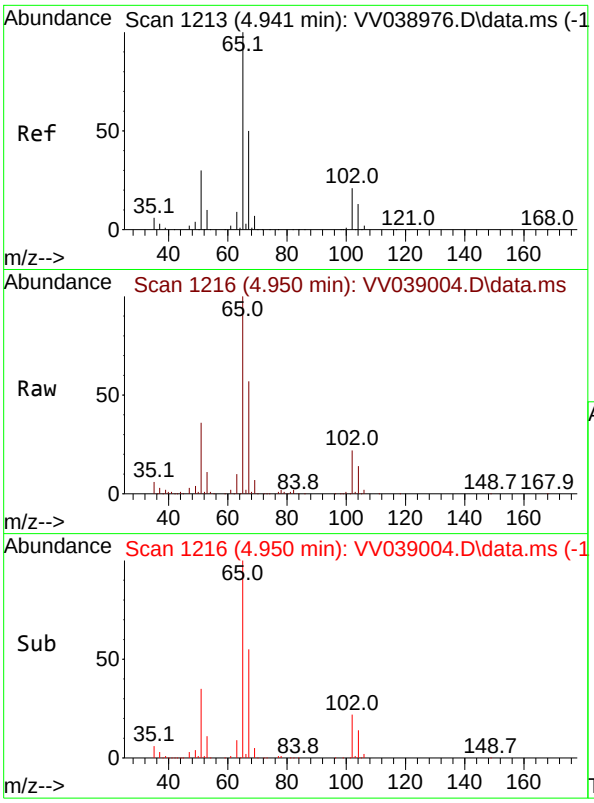


#27
cis-1,2-Dichloroethene
Concen: 145.786 ug/l
RT: 3.818 min Scan# 864
Delta R.T. 0.000 min
Lab File: VV039004.D
Acq: 21 Aug 2025 23:59

Tgt Ion: 96 Resp: 948797

Ion	Ratio	Lower	Upper
96	100		
61	119.3	0.0	264.4
98	64.3	0.0	131.8

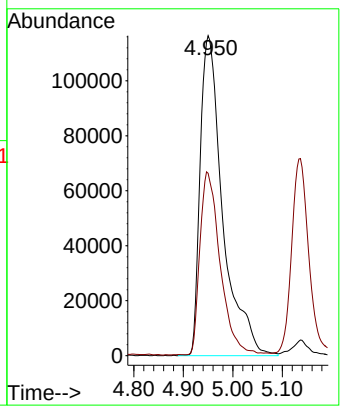




#33
1,2-Dichloroethane-d4
Concen: 57.652 ug/l
RT: 4.950 min Scan# 1
Delta R.T. 0.009 min
Lab File: VV039004.D
Acq: 21 Aug 2025 23:59

Tgt Ion: 65 Resp: 36901

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	100.4



Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025

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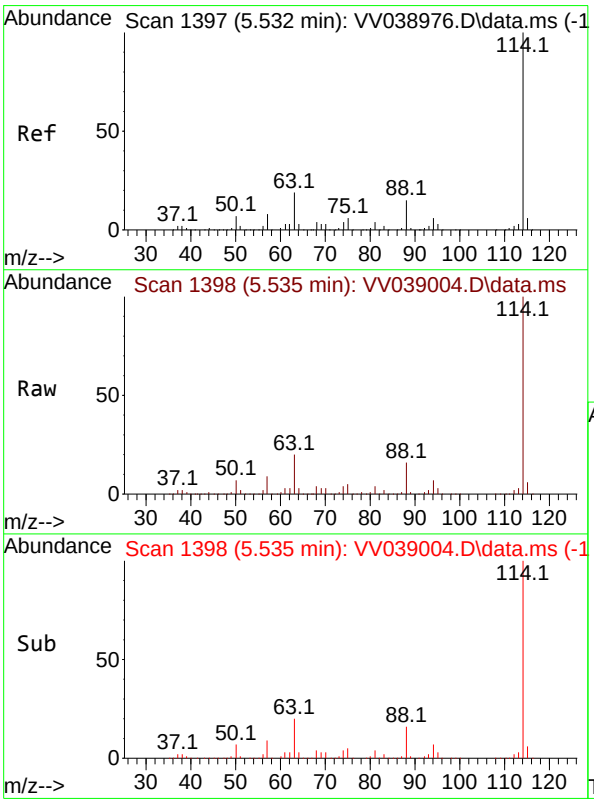
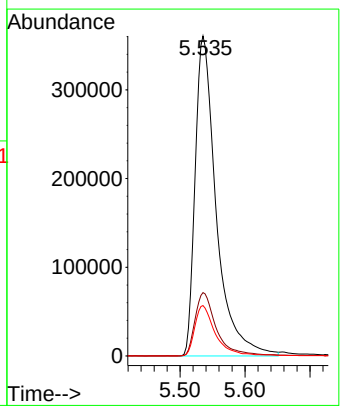
Supervised By :Mahesh Dadoda 08/25/2025

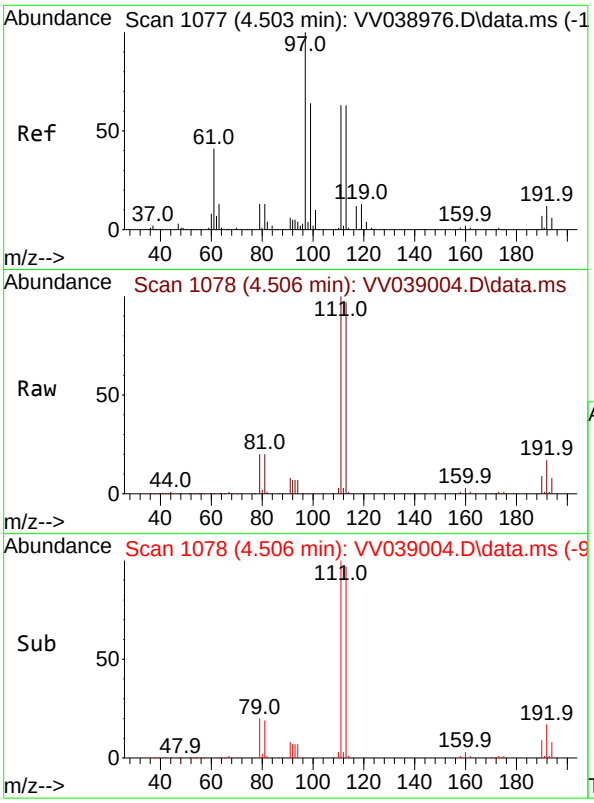


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.535 min Scan# 1398
Delta R.T. 0.003 min
Lab File: VV039004.D
Acq: 21 Aug 2025 23:59

Tgt Ion:114 Resp: 816696

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	37.4
88	15.7	0.0	30.4

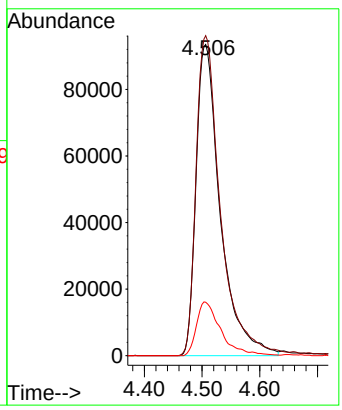




#35
Dibromofluoromethane
Concen: 44.540 ug/l
RT: 4.506 min Scan# 1(
Delta R.T. 0.003 min
Lab File: VV039004.D
Acq: 21 Aug 2025 23:59

Tgt Ion:113 Resp: 27279(

Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.3	121.9
192	17.4	15.4	23.0



Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025

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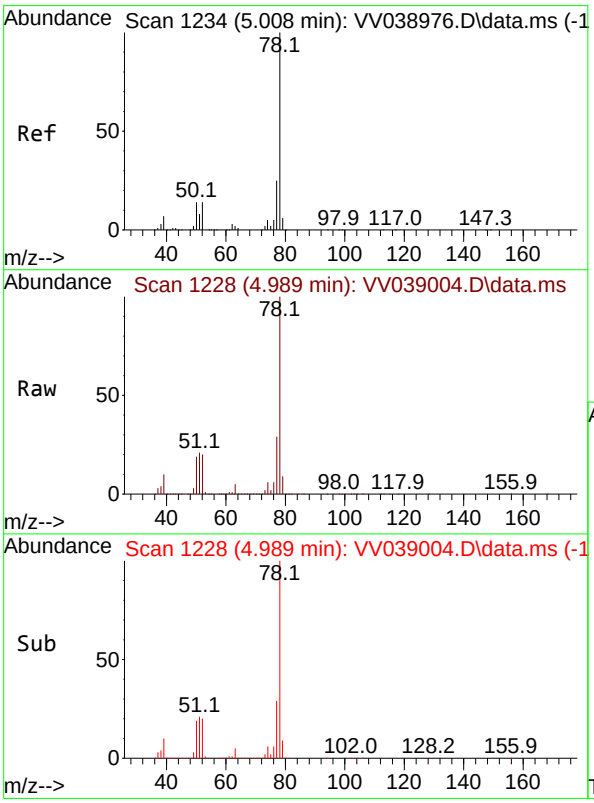
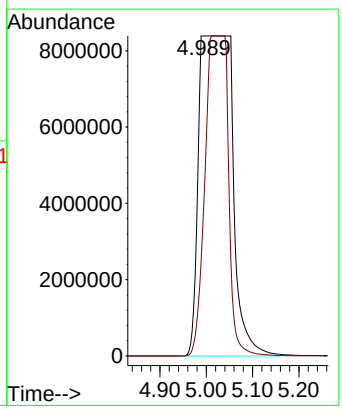
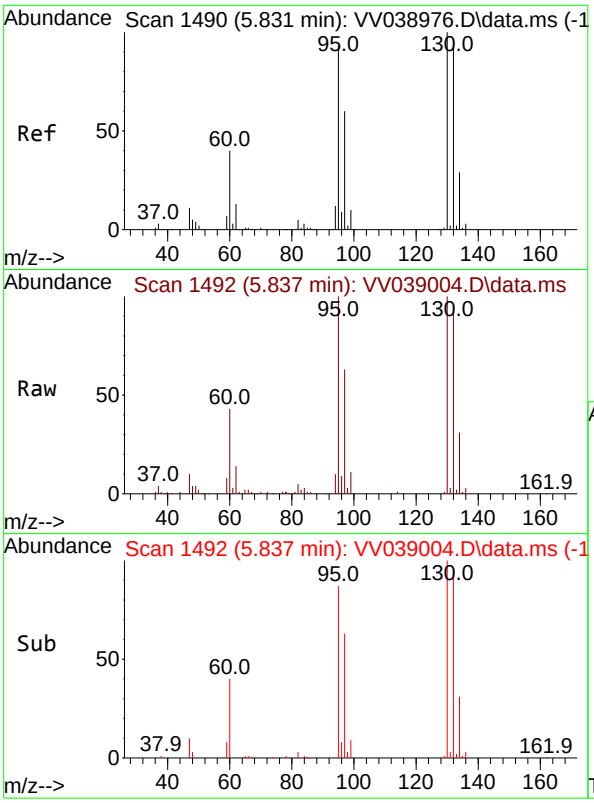


#40
Benzene
Concen: 1719.434 ug/l m
RT: 4.989 min Scan# 1228
Delta R.T. -0.019 min
Lab File: VV039004.D
Acq: 21 Aug 2025 23:59

Tgt Ion: 78 Resp:42836114

Ion	Ratio	Lower	Upper
78	100		
77	29.4	19.6	29.4





#44
Trichloroethene
Concen: 26.946 ug/l
RT: 5.837 min Scan# 14
Delta R.T. 0.006 min
Lab File: VV039004.D
Acq: 21 Aug 2025 23:59

Tgt Ion:130 Resp: 18209

Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	186.6

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025

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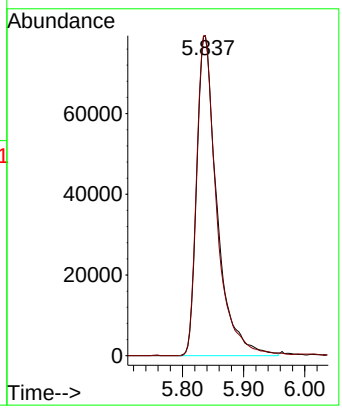
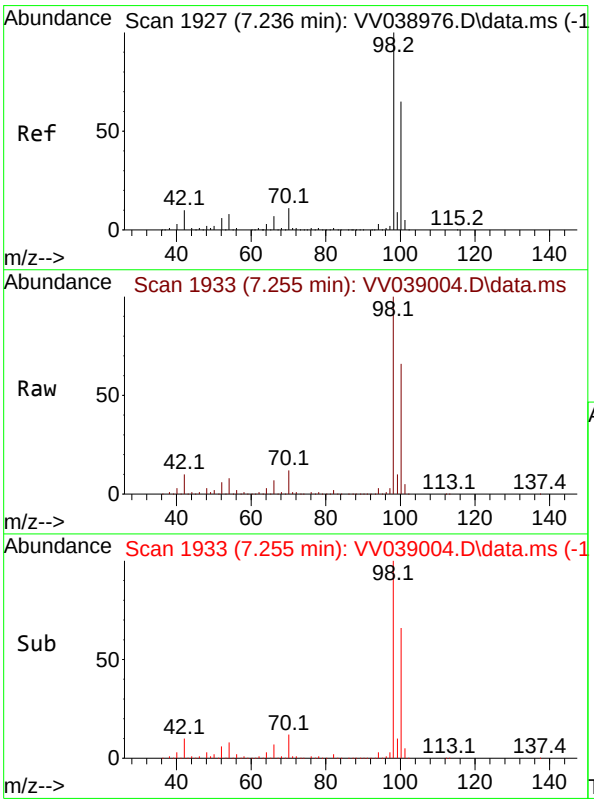
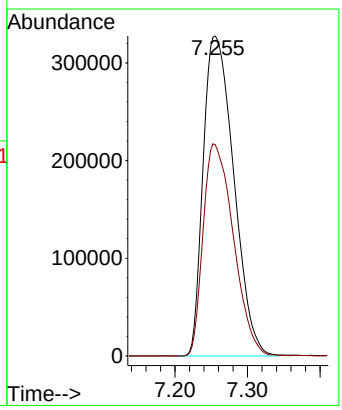


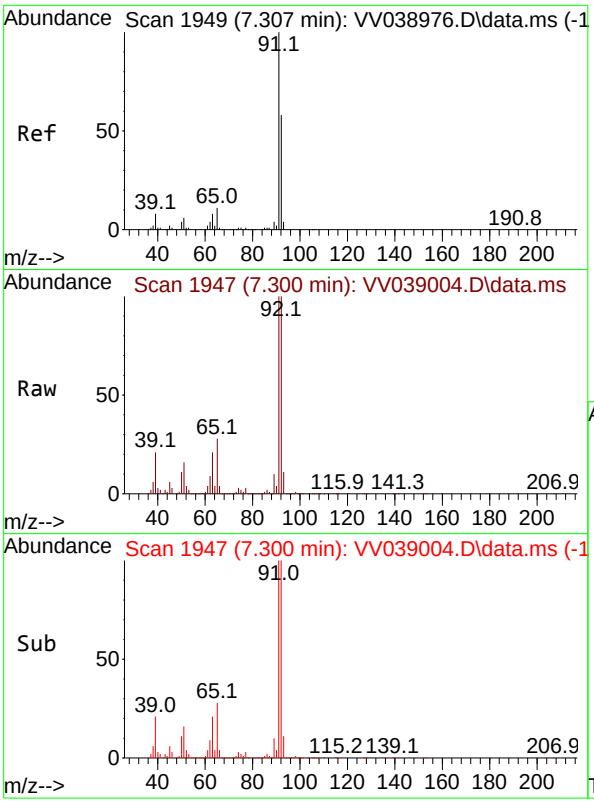


#50
Toluene-d8
Concen: 44.894 ug/l
RT: 7.255 min Scan# 1933
Delta R.T. 0.019 min
Lab File: VV039004.D
Acq: 21 Aug 2025 23:59

Tgt Ion: 98 Resp: 958827

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.2	78.2





#52
Toluene
Concen: 3421.475 ug/l m
RT: 7.300 min Scan# 1
Delta R.T. -0.007 min
Lab File: VV039004.D
Acq: 21 Aug 2025 23:59

Tgt Ion: 92 Resp:5398362

Ion	Ratio	Lower	Upper
92	100		
91	0.0	136.3	204.5#

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025

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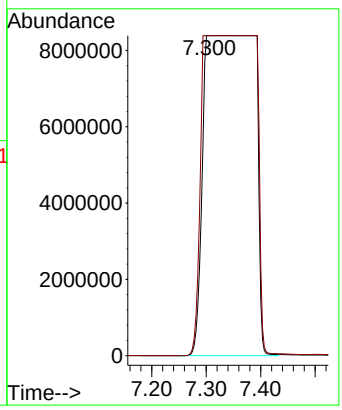
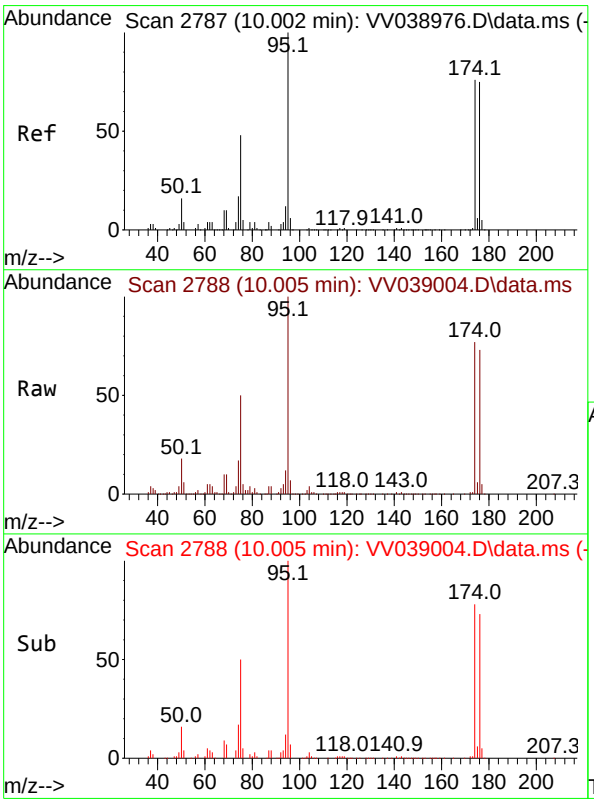
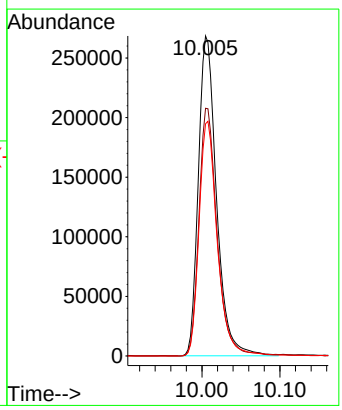


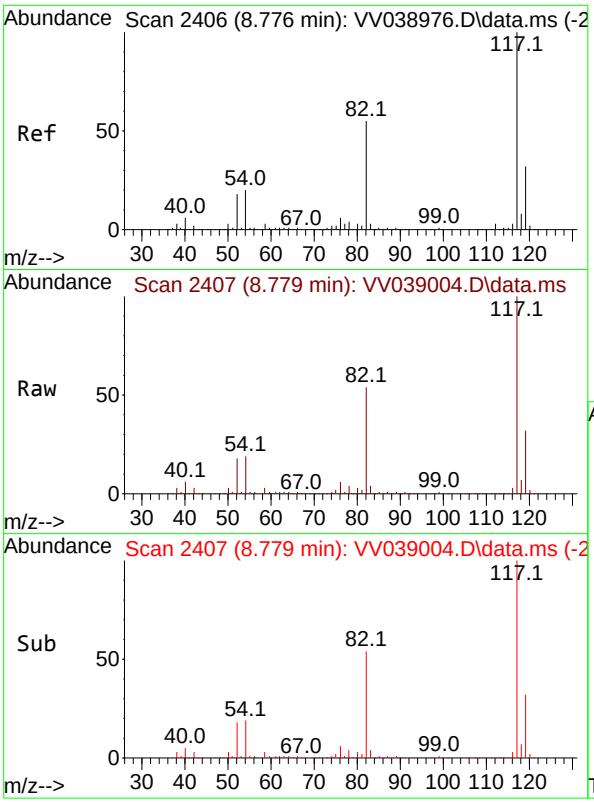


#62
4-Bromofluorobenzene
Concen: 55.701 ug/l
RT: 10.005 min Scan# 2788
Delta R.T. 0.003 min
Lab File: VV039004.D
Acq: 21 Aug 2025 23:59

Tgt Ion: 95 Resp: 435202

Ion	Ratio	Lower	Upper
95	100		
174	77.2	0.0	154.4
176	74.1	0.0	148.6

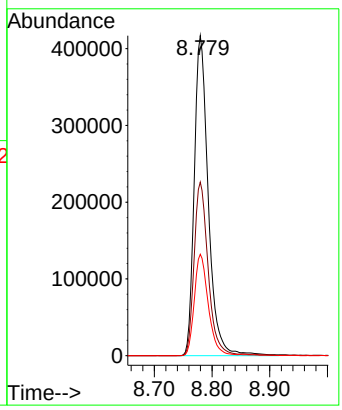




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.779 min Scan# 24
Delta R.T. 0.003 min
Lab File: VV039004.D
Acq: 21 Aug 2025 23:59

Tgt Ion:117 Resp: 70449

Ion	Ratio	Lower	Upper
117	100		
82	54.2	44.4	66.6
119	31.7	26.0	39.0



Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025

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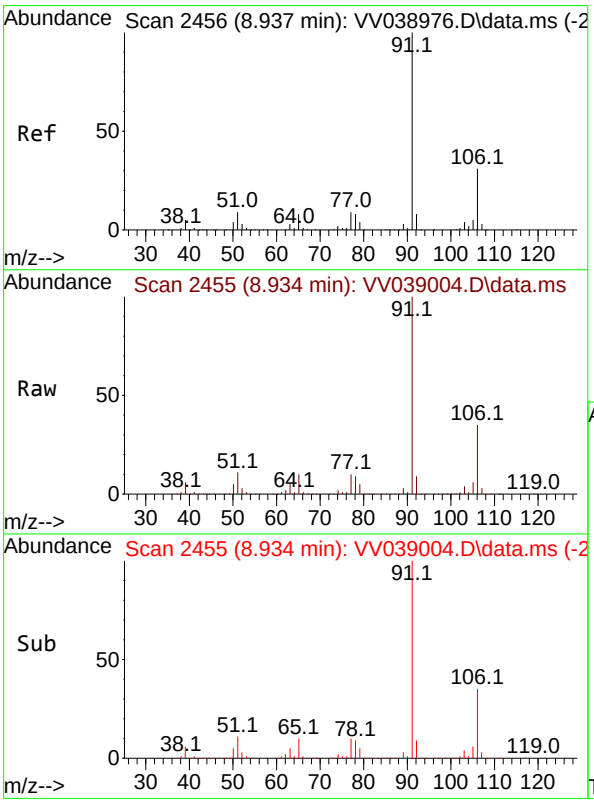
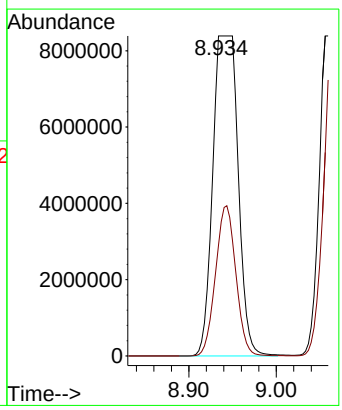
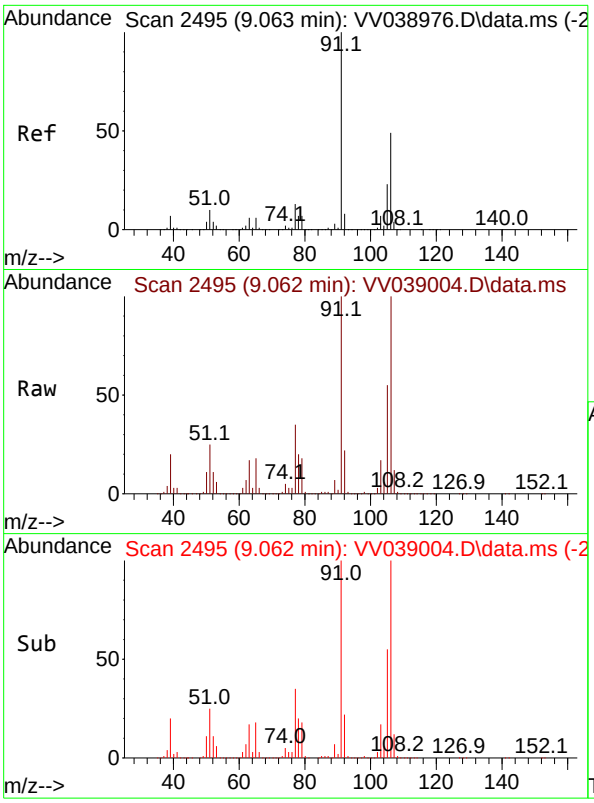


#67
Ethyl Benzene
Concen: 651.398 ug/l m
RT: 8.934 min Scan# 2455
Delta R.T. -0.003 min
Lab File: VV039004.D
Acq: 21 Aug 2025 23:59

Tgt Ion: 91 Resp:16891172

Ion	Ratio	Lower	Upper
91	100		
106	34.7	24.6	36.8





#68
m/p-Xylenes
Concen: 2420.399 ug/l m
RT: 9.062 min Scan# 24
Delta R.T. -0.000 min
Lab File: VV039004.D
Acq: 21 Aug 2025 23:59

Tgt Ion:106 Resp:2437539

Ion	Ratio	Lower	Upper
106	100		
91	0.0	163.6	245.4#

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025

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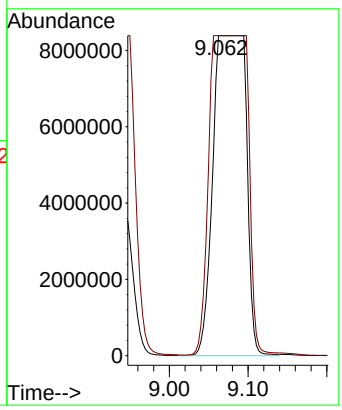
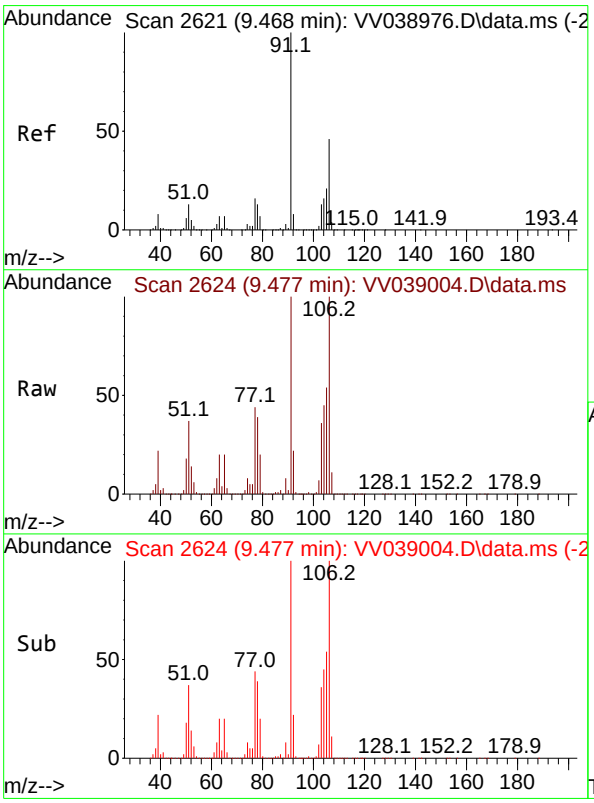
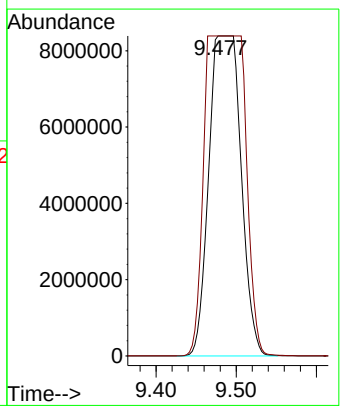


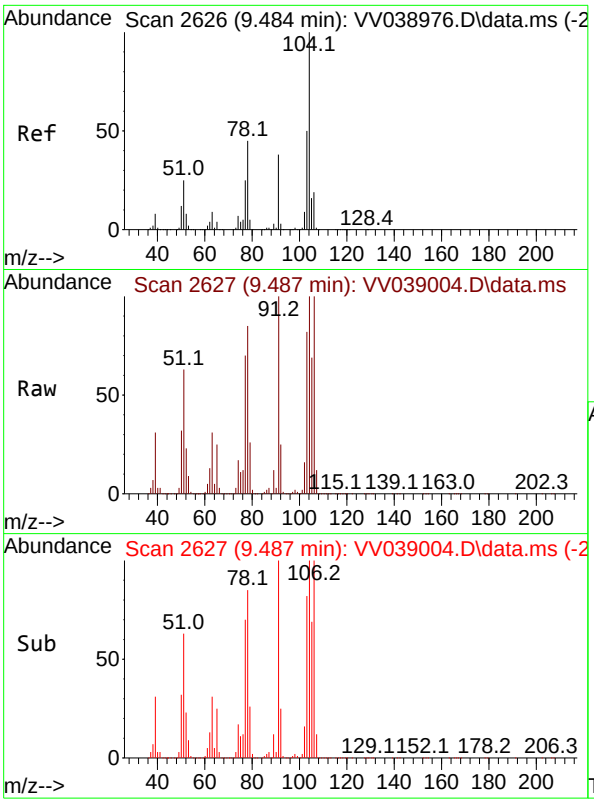


#69
o-Xylene
Concen: 2543.667 ug/l m
RT: 9.477 min Scan# 2624
Delta R.T. 0.009 min
Lab File: VV039004.D
Acq: 21 Aug 2025 23:59

Tgt Ion:106 Resp:23348534

Ion	Ratio	Lower	Upper
106	100		
91	0.0	108.0	324.0#

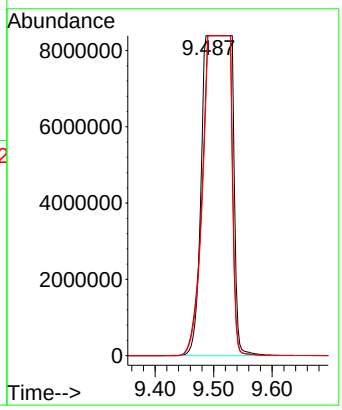




#70
Styrene
Concen: 1927.481 ug/l m
RT: 9.487 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039004.D
Acq: 21 Aug 2025 23:59

Tgt Ion:104 Resp:3035404

Ion	Ratio	Lower	Upper
104	100		
78	0.0	39.8	59.8#
103	0.0	43.5	65.3#



Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025

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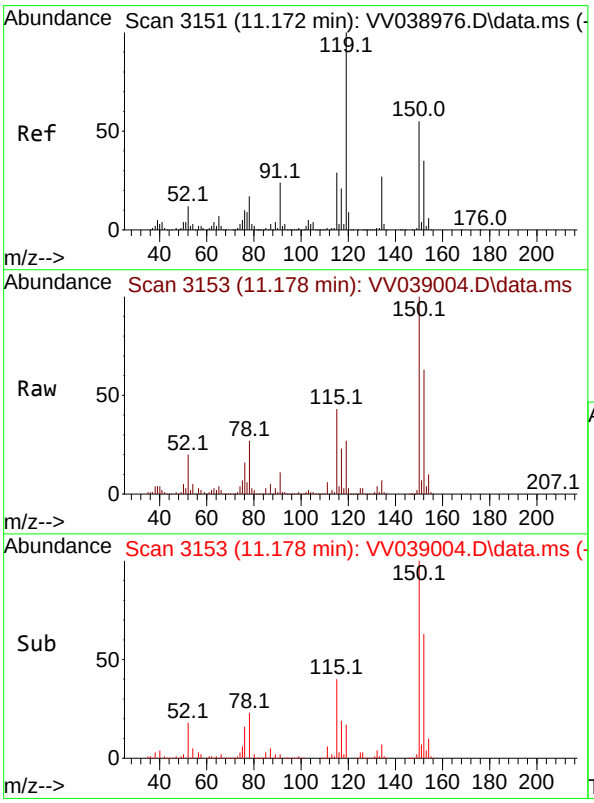
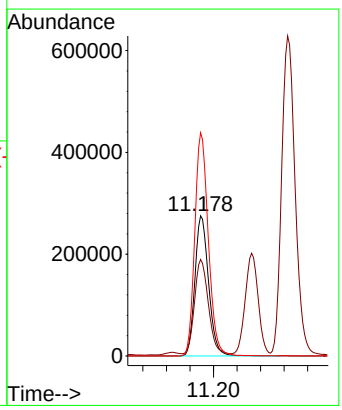
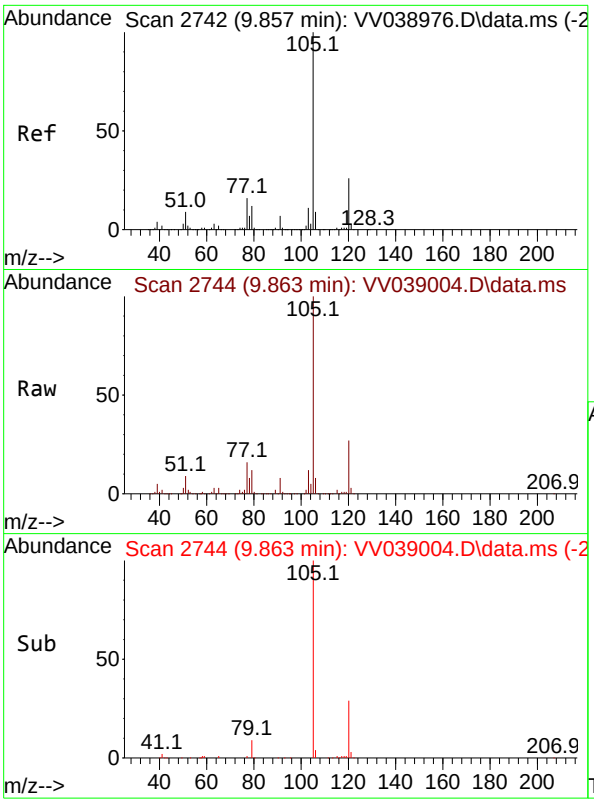


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.178 min Scan# 3153
Delta R.T. 0.006 min
Lab File: VV039004.D
Acq: 21 Aug 2025 23:59

Tgt Ion:152 Resp: 442841

Ion	Ratio	Lower	Upper
152	100		
115	67.3	42.5	127.5
150	158.5	0.0	344.8





#73
Isopropylbenzene
Concen: 8.352 ug/l
RT: 9.863 min Scan# 2
Delta R.T. 0.006 min
Lab File: VV039004.D
Acq: 21 Aug 2025 23:59

Tgt Ion:105 Resp: 24818

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.1	39.1

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025

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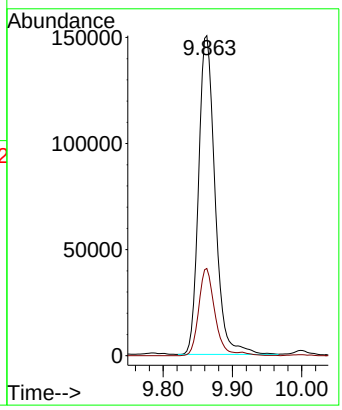
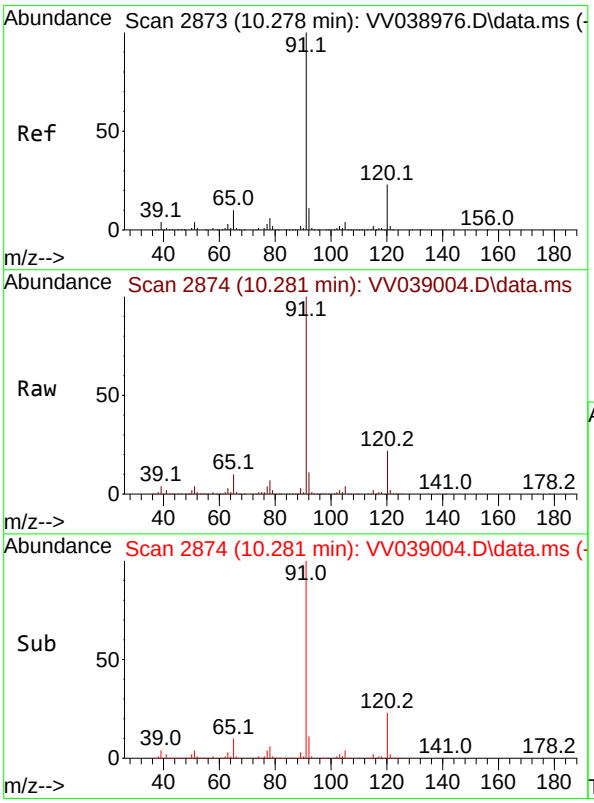
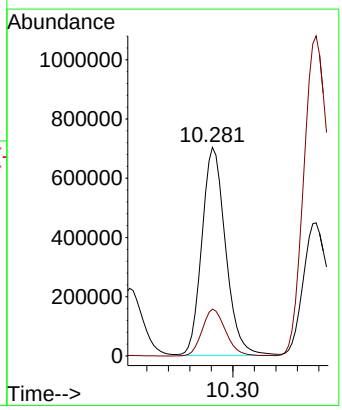


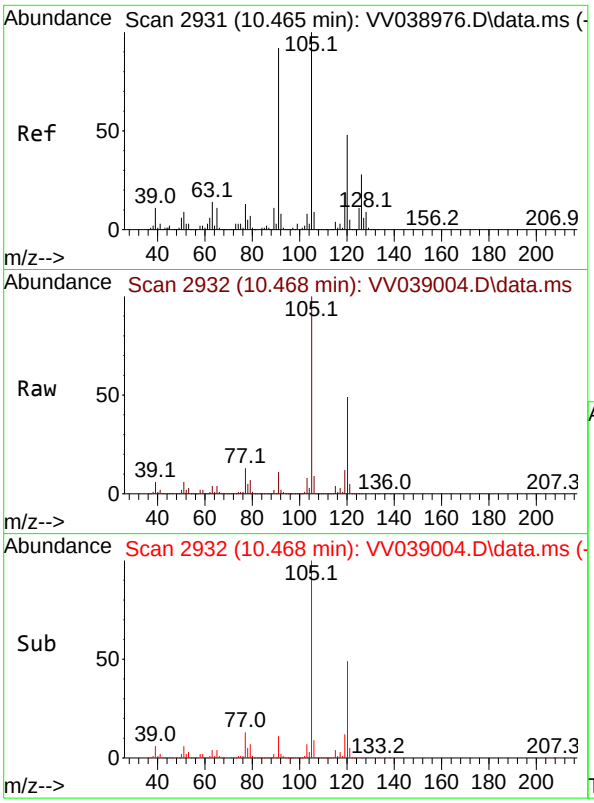


#78
n-propylbenzene
Concen: 30.377 ug/l
RT: 10.281 min Scan# 2874
Delta R.T. 0.003 min
Lab File: VV039004.D
Acq: 21 Aug 2025 23:59

Tgt Ion: 91 Resp: 1077764

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.5	34.4

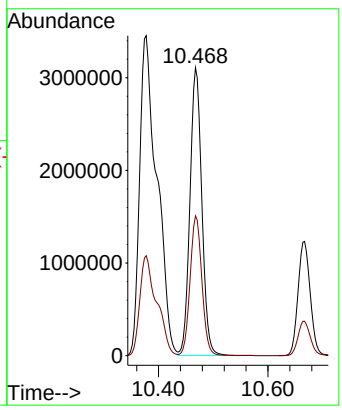




#80
1,3,5-Trimethylbenzene
Concen: 186.995 ug/l
RT: 10.468 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039004.D
Acq: 21 Aug 2025 23:59

Tgt Ion:105 Resp: 467631

Ion	Ratio	Lower	Upper
105	100		
120	48.2	23.9	71.7



Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025

Manual Integrations
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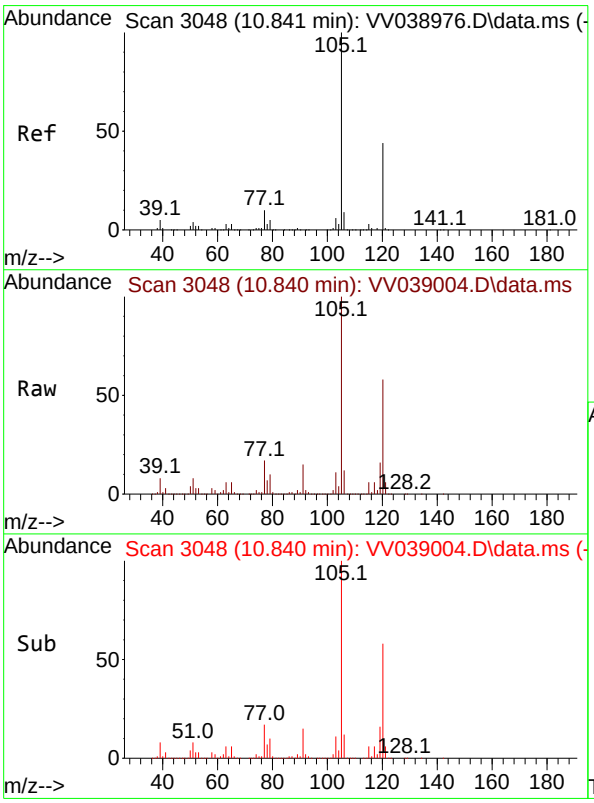
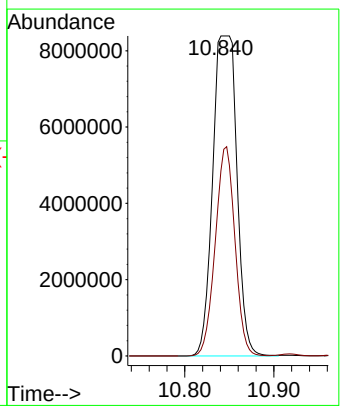


#84
1,2,4-Trimethylbenzene
Concen: 662.178 ug/l
RT: 10.840 min Scan# 3048
Delta R.T. -0.000 min
Lab File: VV039004.D
Acq: 21 Aug 2025 23:59

Tgt Ion:105 Resp:15846996

Ion	Ratio	Lower	Upper
105	100		
120	53.1	22.8	68.3



Sample Results: **VV039004.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039004.D
Acq On : 21 Aug 2025 23:59
Operator : SY/MD
Sample : Q2924-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025

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_V\Method\82V082125W.M
Title : SW846 8260

Signal : TIC: VV039004.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.703	500	517	561	rBV	2446859	5236817	1.27%	0.212%
2	5.030	1218	1241	1306	rVB5	90749426	262843399	63.88%	10.661%
3	7.349	1937	1962	1964	rBV5	105196398	317315203	77.12%	12.871%
4	7.625	2037	2048	2074	rVB	3012758	4872907	1.18%	0.198%
5	8.943	2444	2458	2480	rBV2	26843832	44404546	10.79%	1.801%
6	9.082	2481	2501	2535	rVB4	102989982	212915730	51.75%	8.636%
7	9.509	2599	2634	2672	rBV8	133159288	411433492	100.00%	16.688%
8	10.377	2892	2904	2922	rVV	8711240	18718428	4.55%	0.759%
9	10.468	2922	2932	2949	rVB	8716624	12937618	3.14%	0.525%
10	10.667	2982	2994	2997	rBV	3097002	4429212	1.08%	0.180%
11	10.696	2997	3003	3031	rVB	6610582	10173378	2.47%	0.413%
12	10.844	3031	3049	3061	rBV2	32866437	54411666	13.22%	2.207%
13	10.918	3061	3072	3080	rVV2	53597690	82920156	20.15%	3.363%
14	10.966	3080	3087	3100	rVB	20356822	29081997	7.07%	1.180%
15	11.098	3114	3128	3143	rBV	2564268	4325519	1.05%	0.175%
16	11.265	3169	3180	3191	rBV	13399691	20148628	4.90%	0.817%
17	11.326	3191	3199	3227	rVB	5683861	9114881	2.22%	0.370%
18	11.458	3227	3240	3256	rBV	8136336	13859796	3.37%	0.562%
19	11.709	3293	3318	3330	rBV4	109471794	364420145	88.57%	14.781%
20	12.123	3436	3447	3457	rVB	4913580	7397583	1.80%	0.300%
21	12.397	3522	3532	3546	rBV2	3149799	8108979	1.97%	0.329%
22	12.519	3561	3570	3580	rBV	3708258	6018669	1.46%	0.244%
23	12.808	3647	3660	3670	rBV	3376456	5149689	1.25%	0.209%
24	12.876	3670	3681	3697	rVV	35908027	53240659	12.94%	2.160%
25	12.982	3701	3714	3732	rVV	39481400	64798527	15.75%	2.628%
26	13.075	3732	3743	3758	rVB	3602378	5579849	1.36%	0.226%
27	13.461	3839	3863	3881	rBV5	120009073	338794817	82.34%	13.742%
28	13.551	3881	3891	3914	rVB	16609899	24632925	5.99%	0.999%
29	14.557	4193	4204	4230	rVB	27306429	42655850	10.37%	1.730%
30	14.737	4249	4260	4298	rVB	16525245	25470593	6.19%	1.033%

Sum of corrected areas: 2465411658

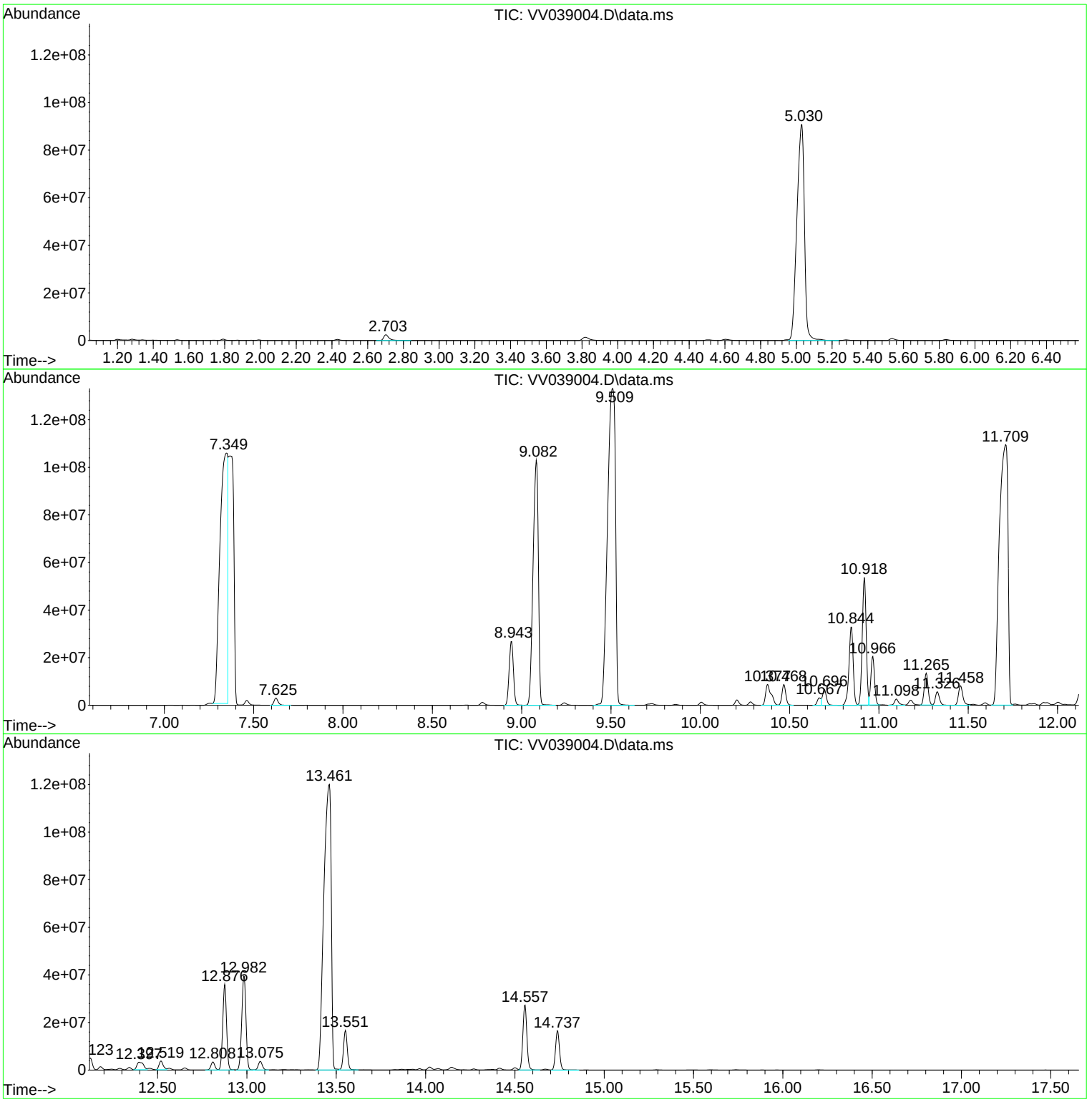
Sample Results: **VV039004.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039004.D
Acq On : 21 Aug 2025 23:59
Operator : SY/MD
Sample : Q2924-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039004.D
Acq On : 21 Aug 2025 23:59
Operator : SY/MD
Sample : Q2924-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

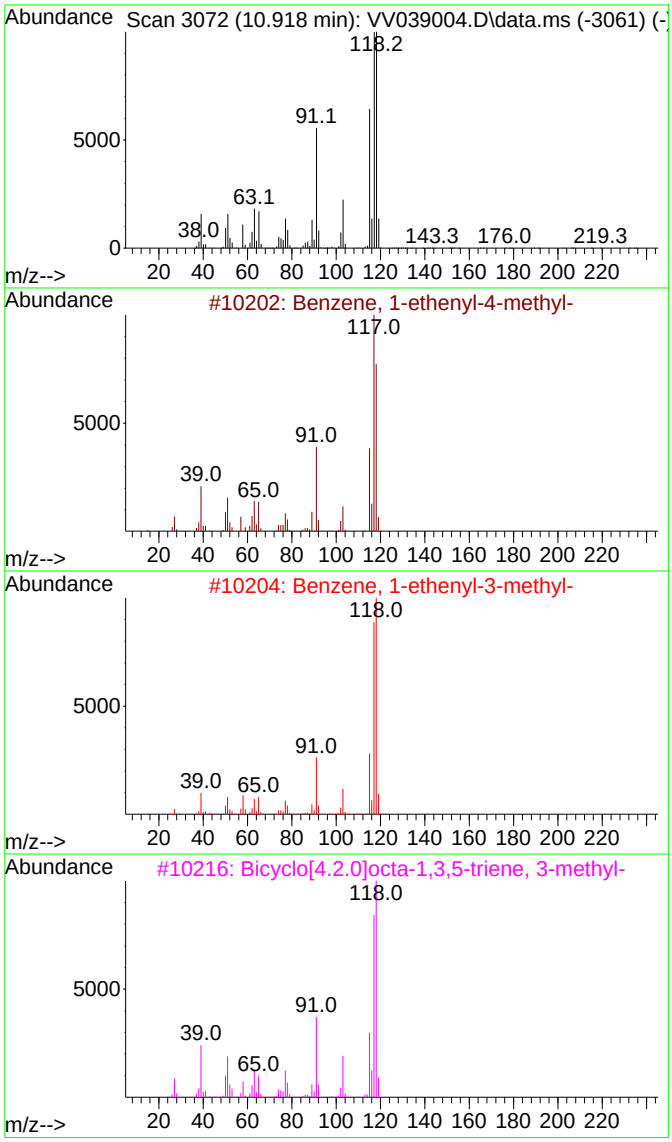
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

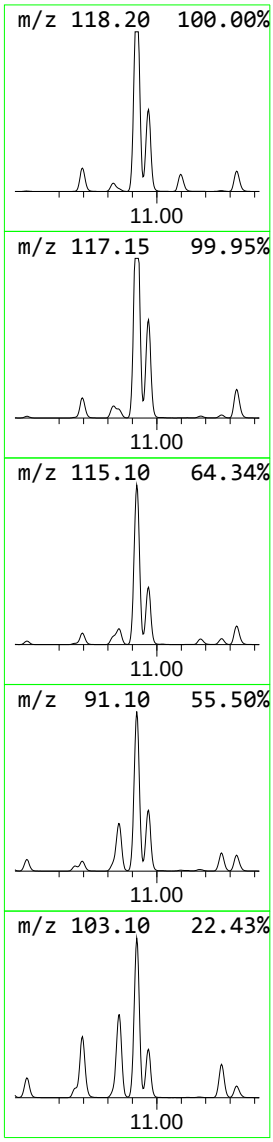
****

Peak Number 1 Benzene, 1-ethenyl-4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.918	958.50 ug/l	82920200	1,4-Dichlorobenzene-d4	11.178

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	96
2	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	022250-74-4	96
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	93
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039004.D
Acq On : 21 Aug 2025 23:59
Operator : SY/MD
Sample : Q2924-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025

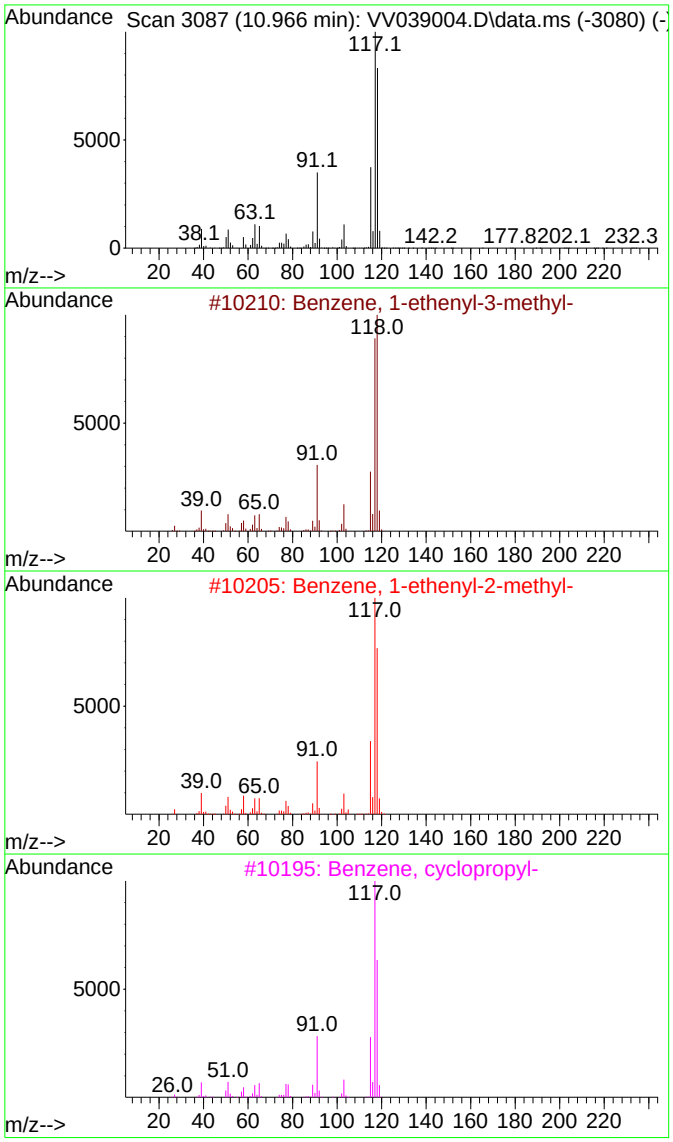
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

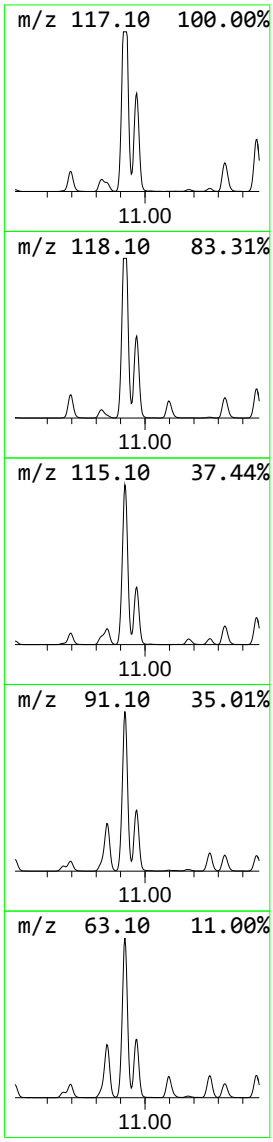
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 1-ethenyl-3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.966	336.17 ug/l	29082000	1,4-Dichlorobenzene-d4	11.178

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	93
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039004.D
Acq On : 21 Aug 2025 23:59
Operator : SY/MD
Sample : Q2924-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

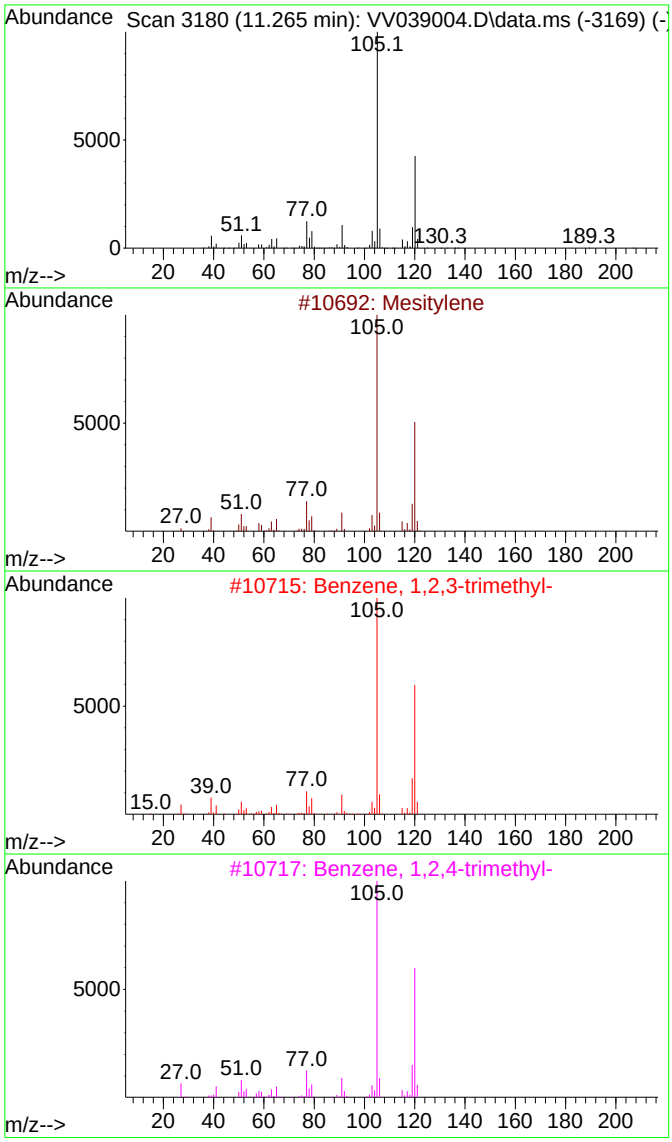
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

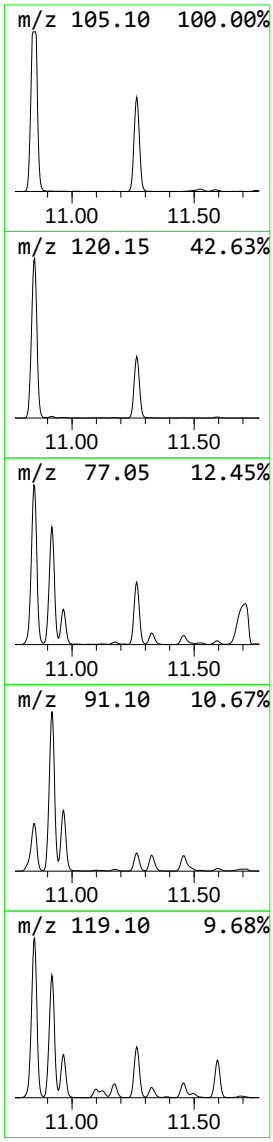
****

Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.265	232.90 ug/l	20148600	1,4-Dichlorobenzene-d4	11.178

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039004.D
Acq On : 21 Aug 2025 23:59
Operator : SY/MD
Sample : Q2924-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025

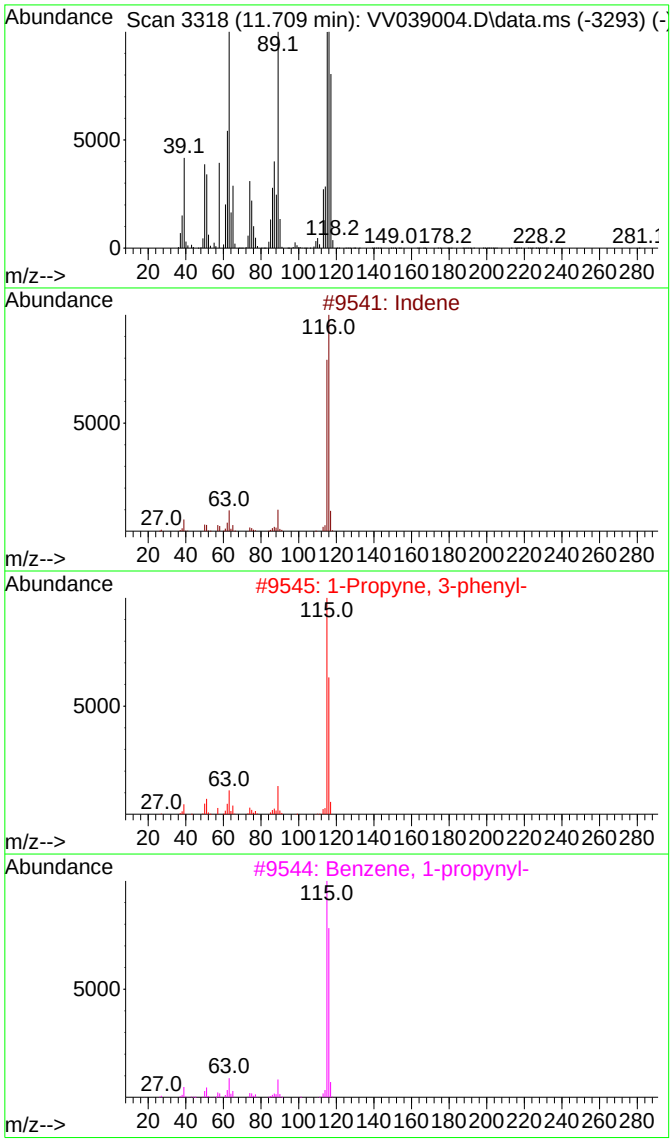
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

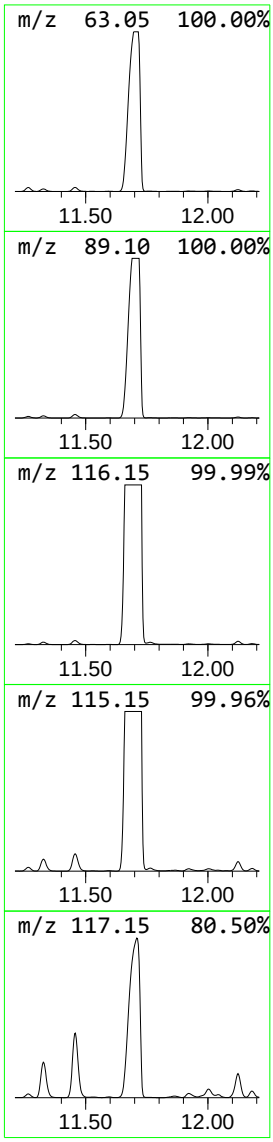
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Indene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.709	4212.44 ug/l	364420000	1,4-Dichlorobenzene-d4	11.178

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	76
2	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	53
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	40
4	Benzonitrile, 4-(chloromethyl)-	151	C8H6ClN	000874-86-2	39
5	Benzyl nitrile	117	C8H7N	000140-29-4	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039004.D
Acq On : 21 Aug 2025 23:59
Operator : SY/MD
Sample : Q2924-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

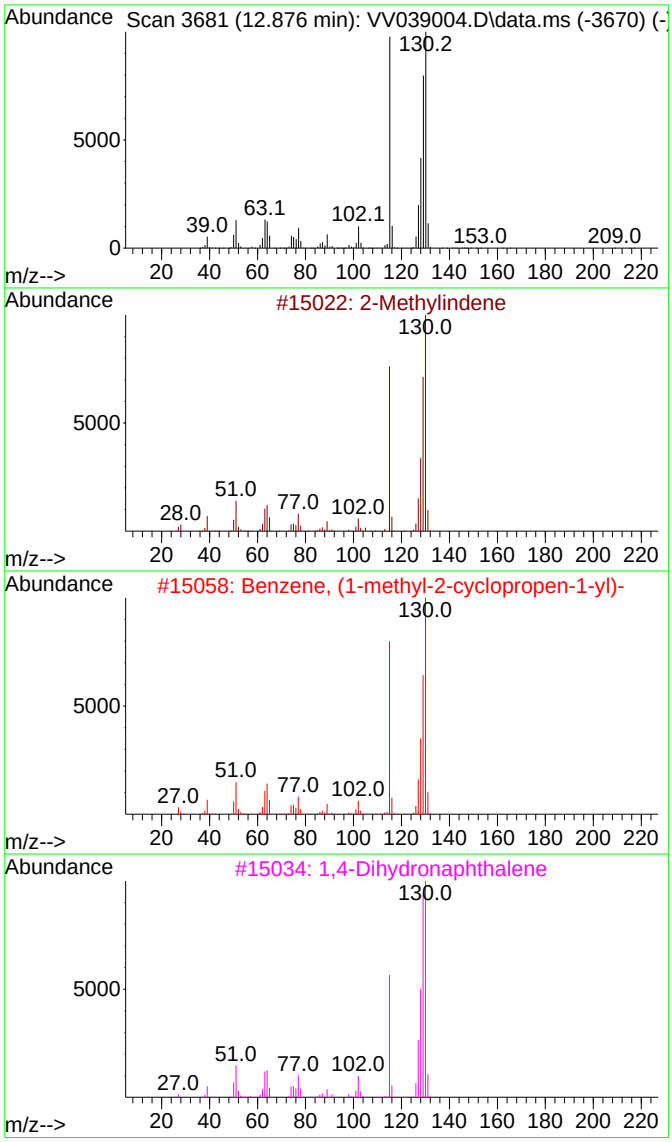
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

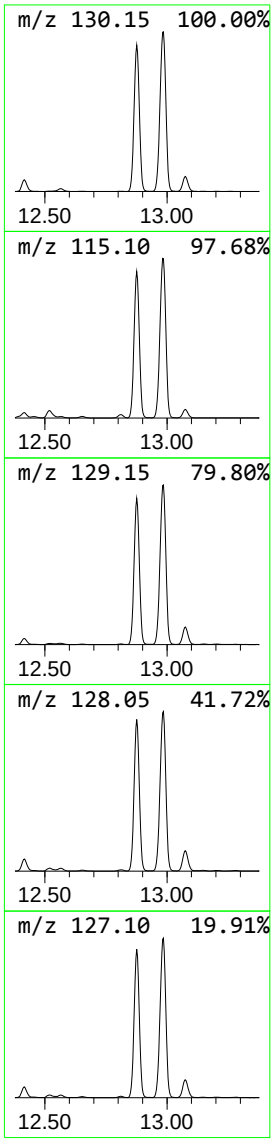
****

Peak Number 5 2-Methylindene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.876	615.42 ug/l	53240700	1,4-Dichlorobenzene-d4	11.178

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	97
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	97
3	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94
5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039004.D
Acq On : 21 Aug 2025 23:59
Operator : SY/MD
Sample : Q2924-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025

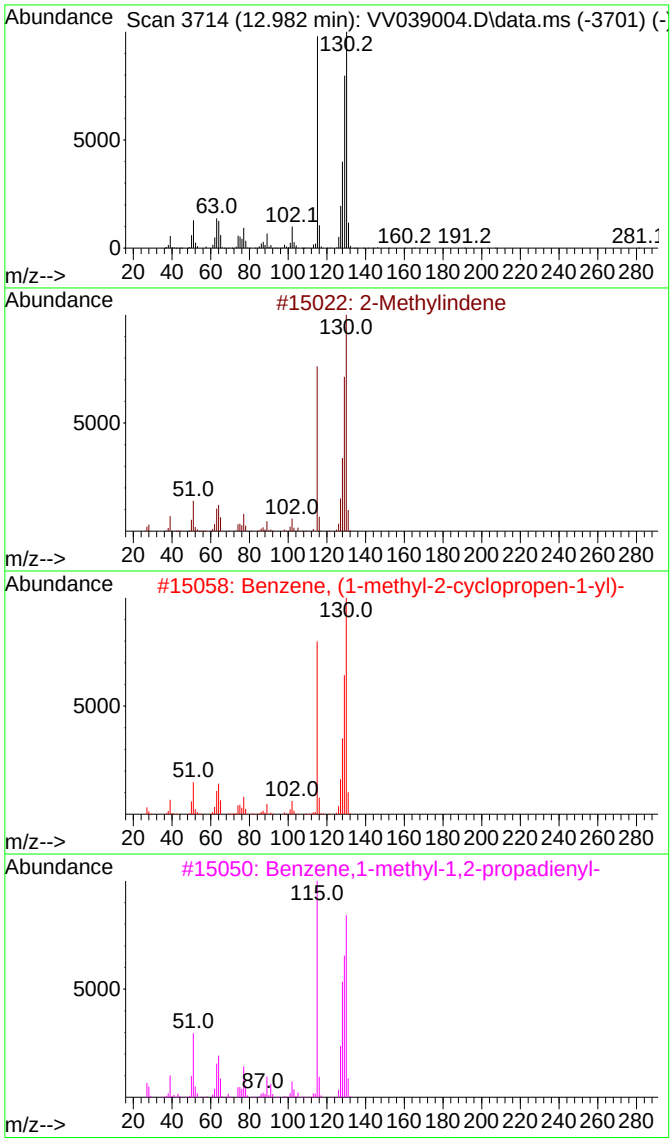
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

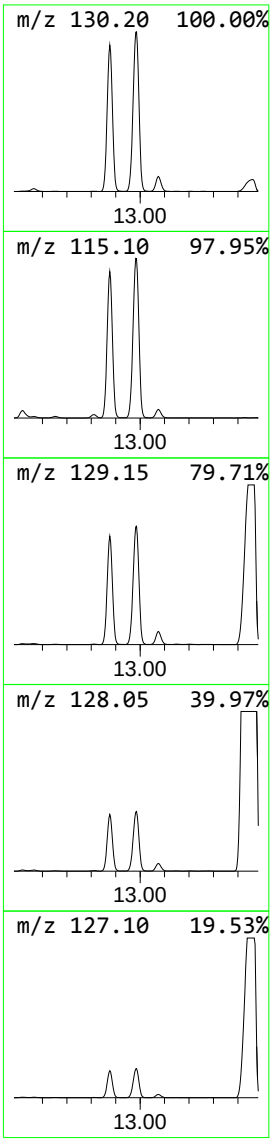
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, (1-methyl-2-cyclop... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.982	749.03 ug/l	64798500	1,4-Dichlorobenzene-d4	11.178

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	97
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	97
3	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	95
4	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	94
5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039004.D
Acq On : 21 Aug 2025 23:59
Operator : SY/MD
Sample : Q2924-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

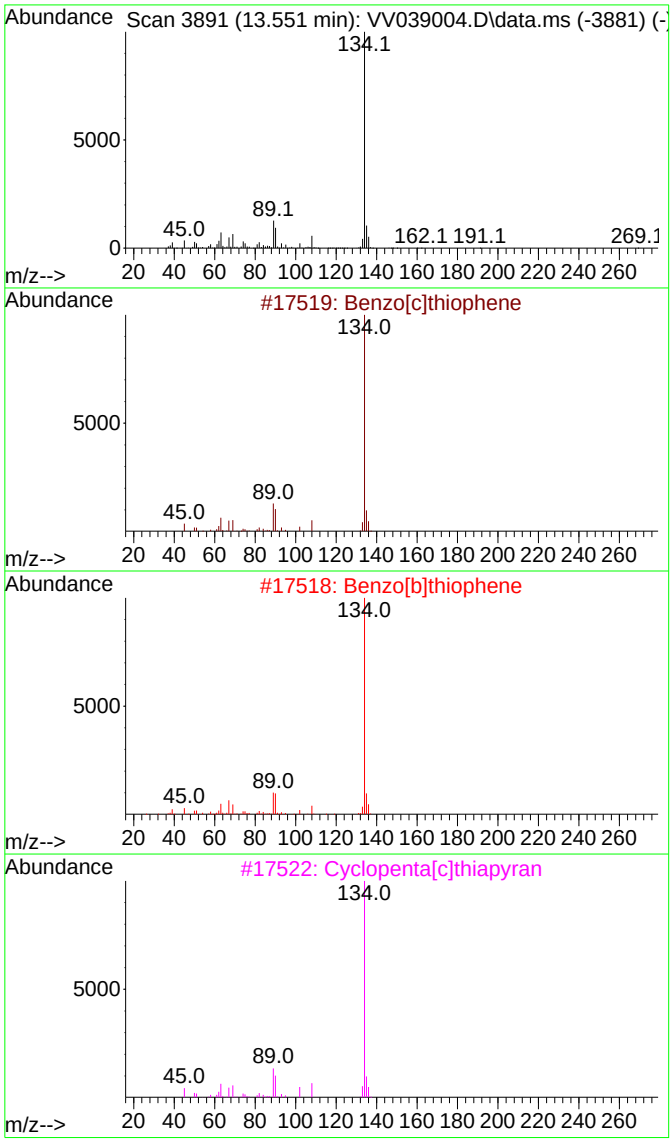
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

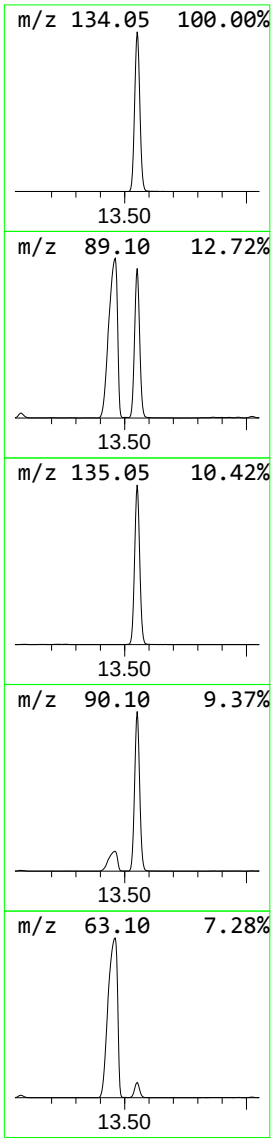
****

Peak Number 8 Benzo[c]thiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.551	284.74 ug/l	24632900	1,4-Dichlorobenzene-d4	11.178

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene	134	C8H6S	000270-82-6	97
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
4	Thiazolidin-4-one, 5-benzylideno...	287	C13H9N3OS2	351062-07-2	50
5	2H-Benzimidazol-2-one, 1,3-dihydro-	134	C7H6N2O	000615-16-7	42





Sample Results: **VV039004.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039004.D
Acq On : 21 Aug 2025 23:59
Operator : SY/MD
Sample : Q2924-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.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
Benzene, 1-ethe...	10.918	958.5	ug/l	82920200	4	11.178	4325520	50.0
Benzene, 1-ethe...	10.966	336.2	ug/l	29082000	4	11.178	4325520	50.0
Benzene, 1,2,3-...	11.265	232.9	ug/l	20148600	4	11.178	4325520	50.0
Indene	11.709	4212.4	ug/l	364420000	4	11.178	4325520	50.0
2-Methylindene	12.876	615.4	ug/l	53240700	4	11.178	4325520	50.0
Benzene, (1-met...	12.982	749.0	ug/l	64798500	4	11.178	4325520	50.0
Benzo[c]thiophene	13.551	284.7	ug/l	24632900	4	11.178	4325520	50.0

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-201-082025DL	SDG No.:	Q2924
Lab Sample ID:	Q2924-02DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039015.D	100	08/22/25 14:10	VV082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	500	UD	22.0	500	ug/L
74-87-3	Chloromethane	500	UD	32.0	500	ug/L
75-01-4	Vinyl Chloride	500	UD	26.0	500	ug/L
74-83-9	Bromomethane	500	UD	140	500	ug/L
75-00-3	Chloroethane	500	UD	47.0	500	ug/L
75-69-4	Trichlorofluoromethane	500	UD	33.0	500	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	500	UD	25.0	500	ug/L
75-35-4	1,1-Dichloroethene	500	UD	23.0	500	ug/L
67-64-1	Acetone	2500	UD	150	2500	ug/L
75-15-0	Carbon Disulfide	500	UD	21.0	500	ug/L
1634-04-4	Methyl tert-butyl Ether	500	UDQ	16.0	500	ug/L
79-20-9	Methyl Acetate	500	UDQ	27.0	500	ug/L
75-09-2	Methylene Chloride	500	UD	28.0	500	ug/L
156-60-5	trans-1,2-Dichloroethene	500	UDQ	23.0	500	ug/L
75-34-3	1,1-Dichloroethane	500	UD	23.0	500	ug/L
110-82-7	Cyclohexane	500	UD	150	500	ug/L
78-93-3	2-Butanone	2500	UD	98.0	2500	ug/L
56-23-5	Carbon Tetrachloride	500	UD	25.0	500	ug/L
156-59-2	cis-1,2-Dichloroethene	130	JD	19.0	500	ug/L
74-97-5	Bromochloromethane	500	UDQ	22.0	500	ug/L
67-66-3	Chloroform	500	UD	25.0	500	ug/L
71-55-6	1,1,1-Trichloroethane	500	UD	20.0	500	ug/L
108-87-2	Methylcyclohexane	500	UD	16.0	500	ug/L
71-43-2	Benzene	5200	D	15.0	500	ug/L
107-06-2	1,2-Dichloroethane	500	UD	22.0	500	ug/L
79-01-6	Trichloroethene	500	UD	9.30	500	ug/L
78-87-5	1,2-Dichloropropane	500	UD	20.0	500	ug/L
75-27-4	Bromodichloromethane	500	UD	22.0	500	ug/L
108-10-1	4-Methyl-2-Pentanone	2500	UD	68.0	2500	ug/L
108-88-3	Toluene	19900	ED	14.0	500	ug/L

Raw Data: **VV039015.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-201-082025DL	SDG No.:	Q2924
Lab Sample ID:	Q2924-02DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039015.D	100	08/22/25 14:10	VV082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	500	UD	17.0	500	ug/L
10061-01-5	cis-1,3-Dichloropropene	500	UD	16.0	500	ug/L
79-00-5	1,1,2-Trichloroethane	500	UD	21.0	500	ug/L
591-78-6	2-Hexanone	2500	UD	89.0	2500	ug/L
124-48-1	Dibromochloromethane	500	UD	18.0	500	ug/L
106-93-4	1,2-Dibromoethane	500	UD	15.0	500	ug/L
127-18-4	Tetrachloroethene	500	UD	23.0	500	ug/L
108-90-7	Chlorobenzene	500	UD	12.0	500	ug/L
100-41-4	Ethyl Benzene	570	D	13.0	500	ug/L
179601-23-1	m/p-Xylenes	3300	D	24.0	1000	ug/L
95-47-6	o-Xylene	2000	D	12.0	500	ug/L
100-42-5	Styrene	5100	D	15.0	500	ug/L
75-25-2	Bromoform	500	UD	19.0	500	ug/L
98-82-8	Isopropylbenzene	500	UD	12.0	500	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	500	UD	26.0	500	ug/L
541-73-1	1,3-Dichlorobenzene	500	UD	16.0	500	ug/L
106-46-7	1,4-Dichlorobenzene	500	UD	19.0	500	ug/L
95-50-1	1,2-Dichlorobenzene	500	UD	16.0	500	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	500	UD	53.0	500	ug/L
120-82-1	1,2,4-Trichlorobenzene	500	UD	20.0	500	ug/L
87-61-6	1,2,3-Trichlorobenzene	500	UD	20.0	500	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.8		74 - 125	120%	SPK: 50
1868-53-7	Dibromofluoromethane	44.9		75 - 124	90%	SPK: 50
2037-26-5	Toluene-d8	45.7		86 - 113	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.9		77 - 121	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	582000	4.6			
540-36-3	1,4-Difluorobenzene	1170000	5.532			
3114-55-4	Chlorobenzene-d5	1040000	8.776			
3855-82-1	1,4-Dichlorobenzene-d4	510000	11.172			

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Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-201-082025DL	SDG No.:	Q2924
Lab Sample ID:	Q2924-02DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039015.D	100	08/22/25 14:10	VV082225

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_V\DATA\VV082225\
Data File : VV039015.D
Acq On : 22 Aug 2025 14:10
Operator : SY/MD
Sample : Q2924-02DL 100X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025DL

Quant Time: Aug 25 02:22:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	581936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1169048	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	1041283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	510275	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	488252	59.794	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 119.580%#			
35) Dibromofluoromethane	4.503	113	393254	44.855	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 89.700%			
50) Toluene-d8	7.236	98	1396278	45.672	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 91.340%			
62) 4-Bromofluorobenzene	10.002	95	524195	46.870	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 93.740%			
Target Compounds						Qvalue
27) cis-1,2-Dichloroethene	3.847	96	10902m	1.313	ug/l	
40) Benzene	5.008	78	1870390	52.449	ug/l	100
52) Toluene	7.307	92	4490735	198.837	ug/l	100
67) Ethyl Benzene	8.940	91	219193	5.719	ug/l	98
68) m/p-Xylenes	9.063	106	495077	33.260	ug/l	98
69) o-Xylene	9.468	106	268524	19.792	ug/l	98
70) Styrene	9.487	104	1176243	50.533	ug/l	93
80) 1,3,5-Trimethylbenzene	10.471	105	38833	1.348	ug/l	98
84) 1,2,4-Trimethylbenzene	10.844	105	143126	5.190	ug/l	100

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082225\
Data File : VV039015.D
Acq On : 22 Aug 2025 14:10
Operator : SY/MD
Sample : Q2924-02DL 100X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 25 02:22:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025DL

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/25/2025
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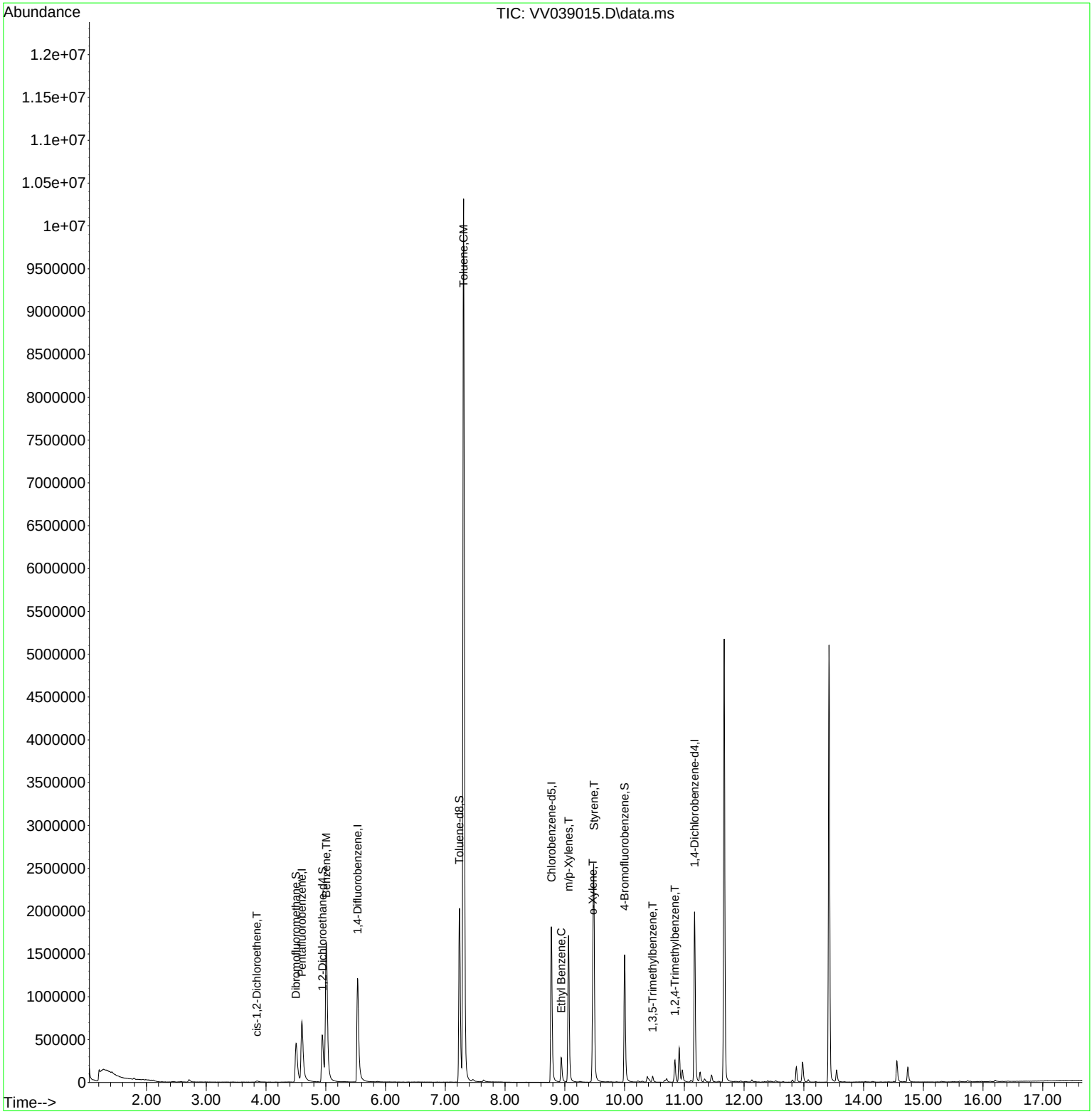
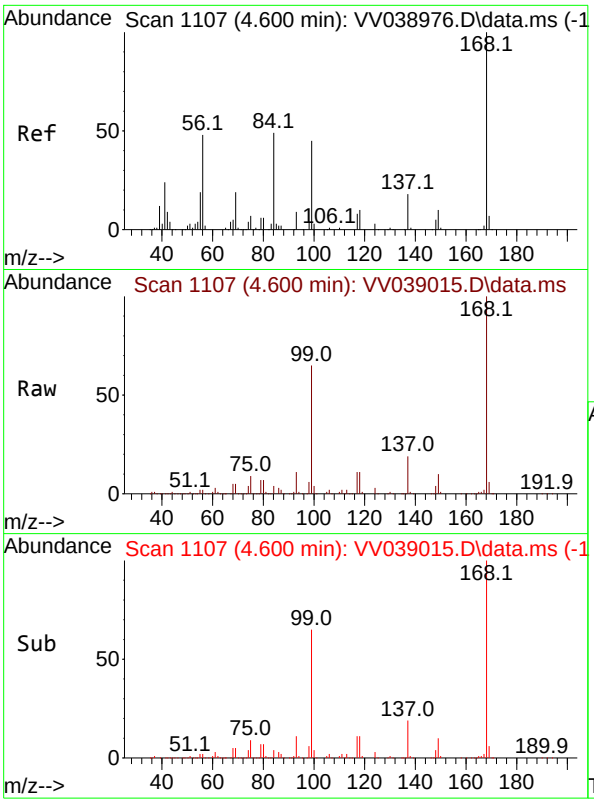
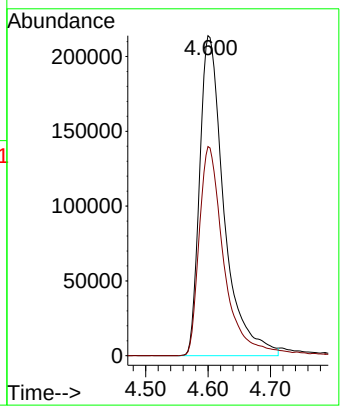




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039015.D
Acq: 22 Aug 2025 14:10

Tgt Ion:168 Resp: 58193

Ion	Ratio	Lower	Upper
168	100		
99	65.3	47.0	70.6



Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025DL

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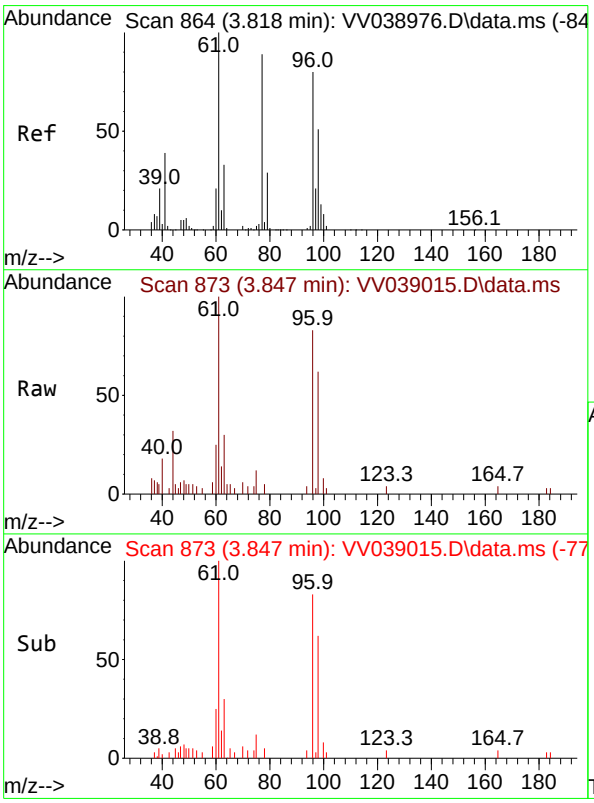
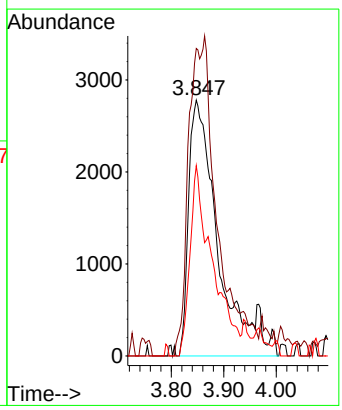
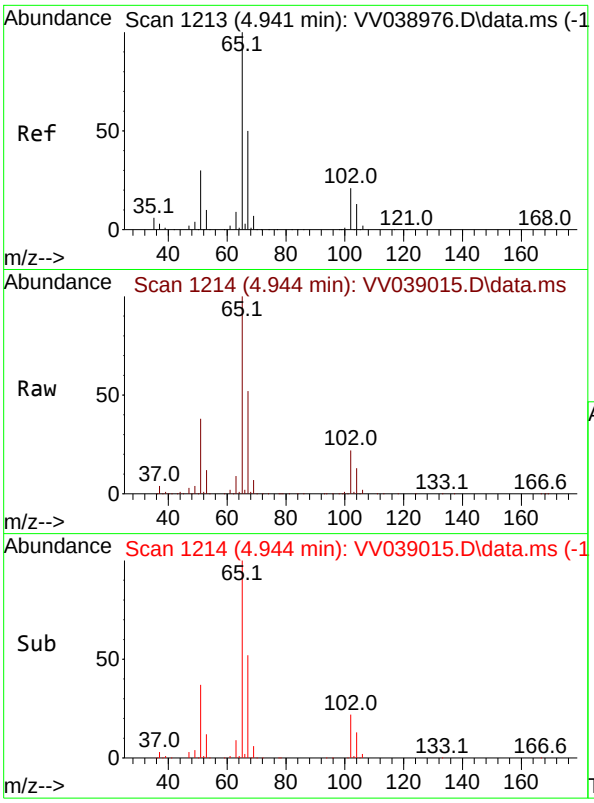


#27
cis-1,2-Dichloroethene
Concen: 1.313 ug/l m
RT: 3.847 min Scan# 873
Delta R.T. 0.029 min
Lab File: VV039015.D
Acq: 22 Aug 2025 14:10

Tgt Ion: 96 Resp: 10902

Ion	Ratio	Lower	Upper
96	100		
61	48.8	0.0	264.4
98	56.3	0.0	131.8

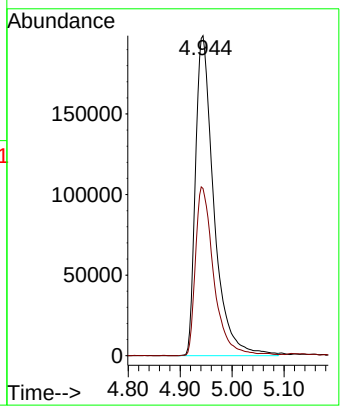




#33
1,2-Dichloroethane-d4
Concen: 59.794 ug/l
RT: 4.944 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV039015.D
Acq: 22 Aug 2025 14:10

Tgt Ion: 65 Resp: 48825

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	100.4



Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025DL

Manual Integrations
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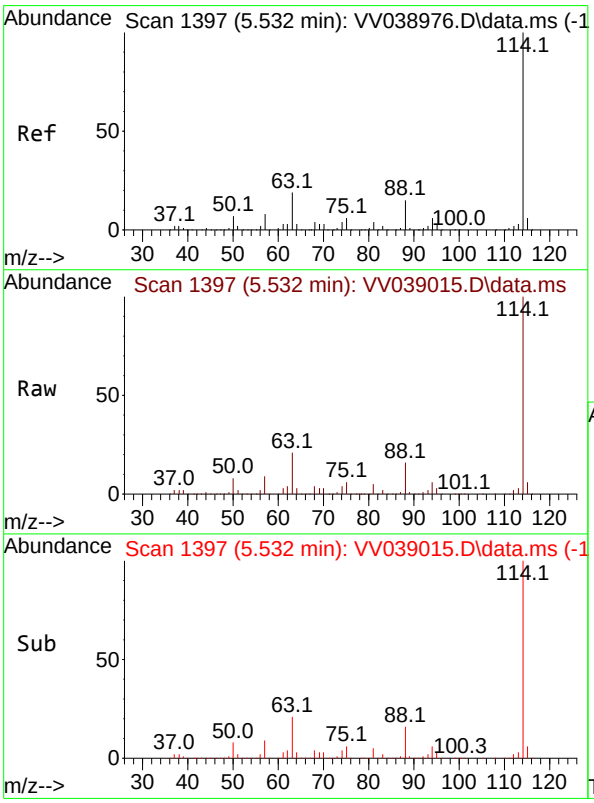
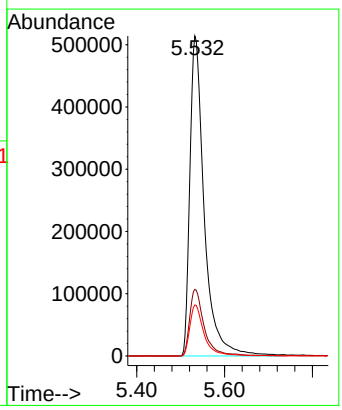
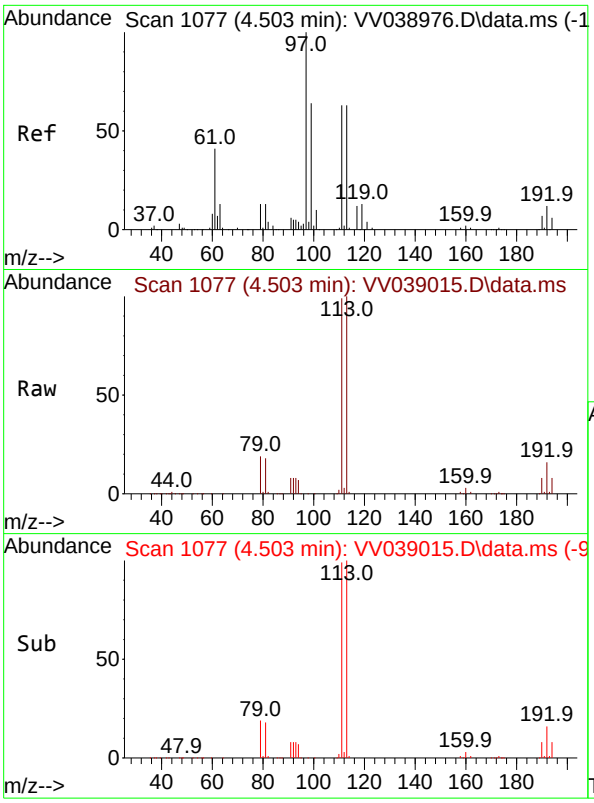


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VV039015.D
Acq: 22 Aug 2025 14:10

Tgt Ion:114 Resp: 1169048

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	37.4
88	16.0	0.0	30.4

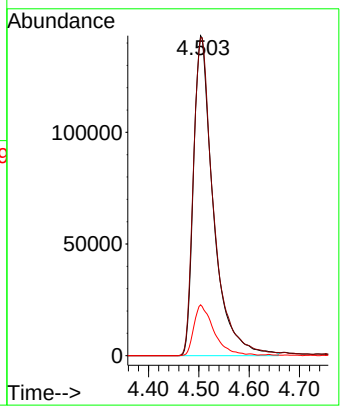




#35
Dibromofluoromethane
Concen: 44.855 ug/l
RT: 4.503 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039015.D
Acq: 22 Aug 2025 14:10

Tgt Ion:113 Resp: 39325

Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.3	121.9
192	16.0	15.4	23.0



Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025DL

Manual Integrations
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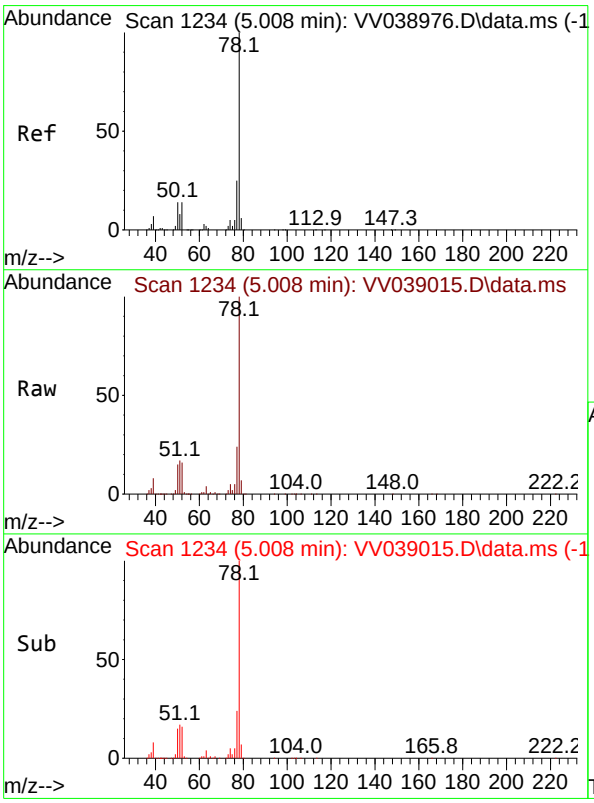
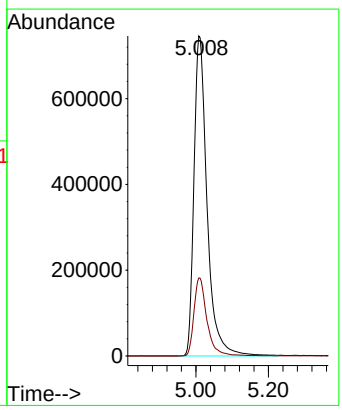
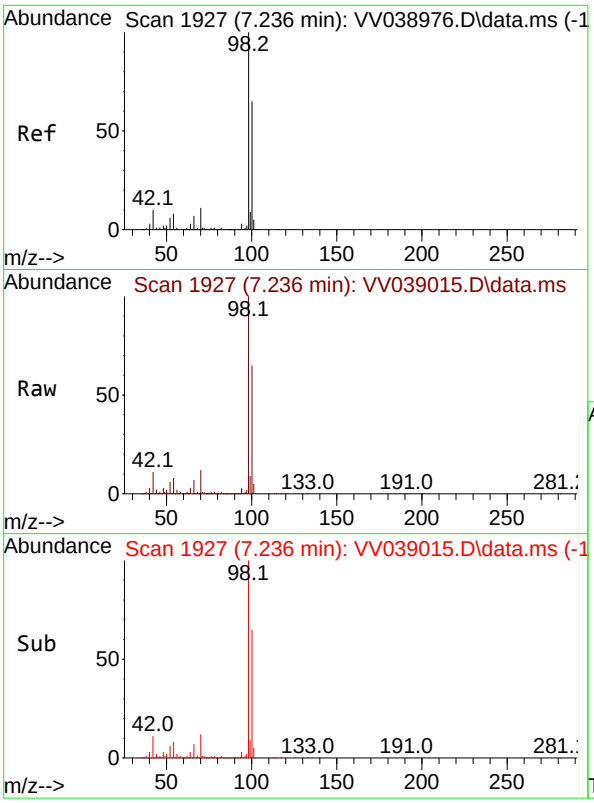


#40
Benzene
Concen: 52.449 ug/l
RT: 5.008 min Scan# 1234
Delta R.T. 0.000 min
Lab File: VV039015.D
Acq: 22 Aug 2025 14:10

Tgt Ion: 78 Resp: 1870390

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.6	29.4

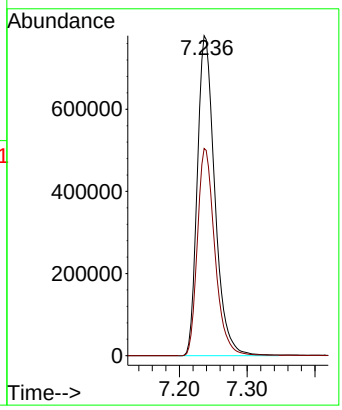




#50
Toluene-d8
Concen: 45.672 ug/l
RT: 7.236 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039015.D
Acq: 22 Aug 2025 14:10

Tgt Ion: 98 Resp: 139627

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.2	78.2



Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025DL

Manual Integrations
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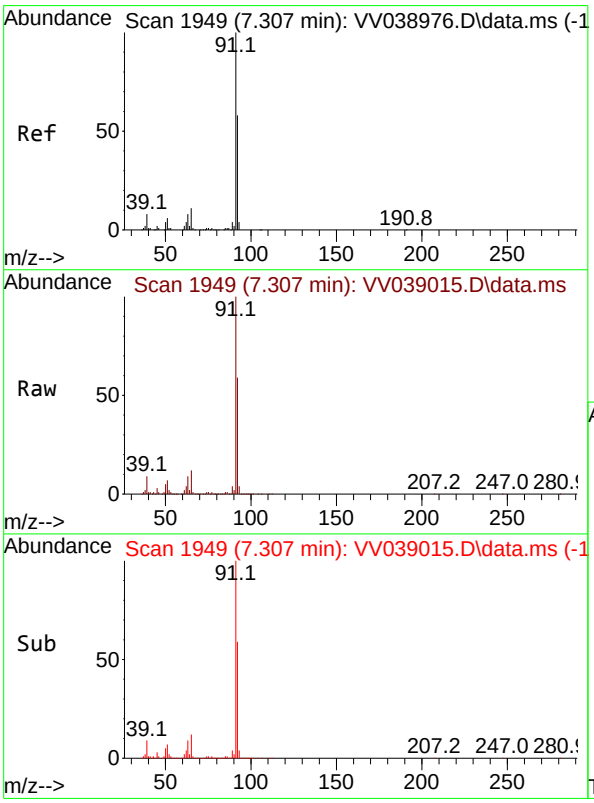
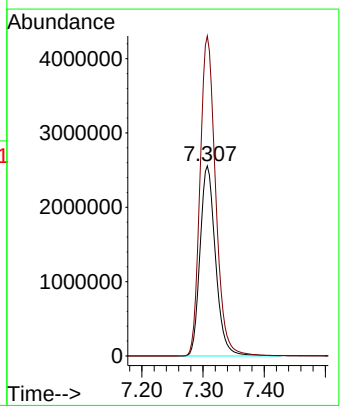
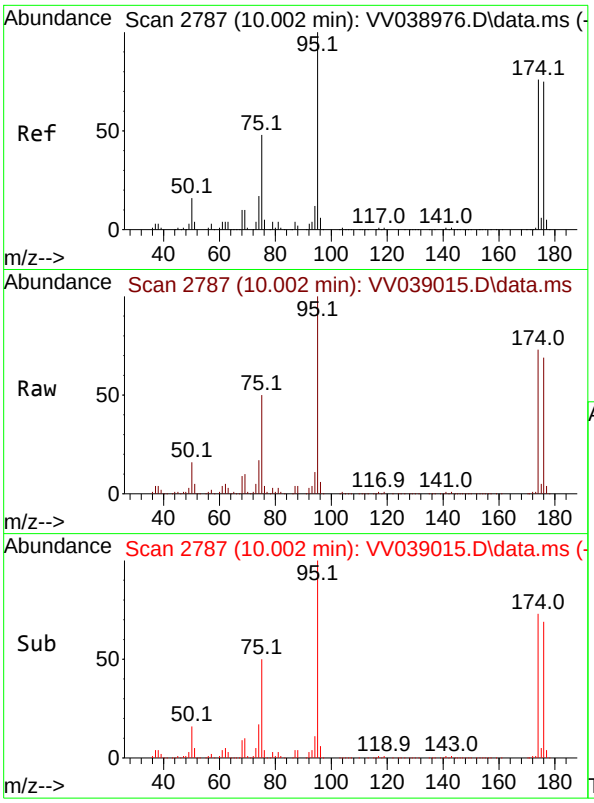


#52
Toluene
Concen: 198.837 ug/l
RT: 7.307 min Scan# 1949
Delta R.T. -0.000 min
Lab File: VV039015.D
Acq: 22 Aug 2025 14:10

Tgt Ion: 92 Resp: 4490735

Ion	Ratio	Lower	Upper
92	100		
91	169.8	136.3	204.5

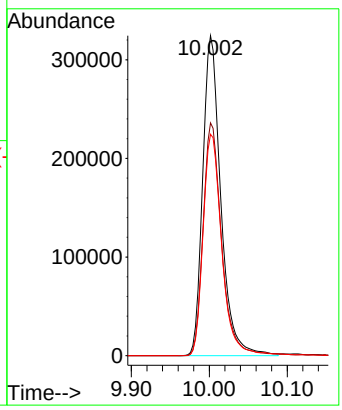




#62
4-Bromofluorobenzene
Concen: 46.870 ug/l
RT: 10.002 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039015.D
Acq: 22 Aug 2025 14:10

Tgt Ion: 95 Resp: 52419

Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	154.4
176	71.7	0.0	148.6



Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025DL

Manual Integrations
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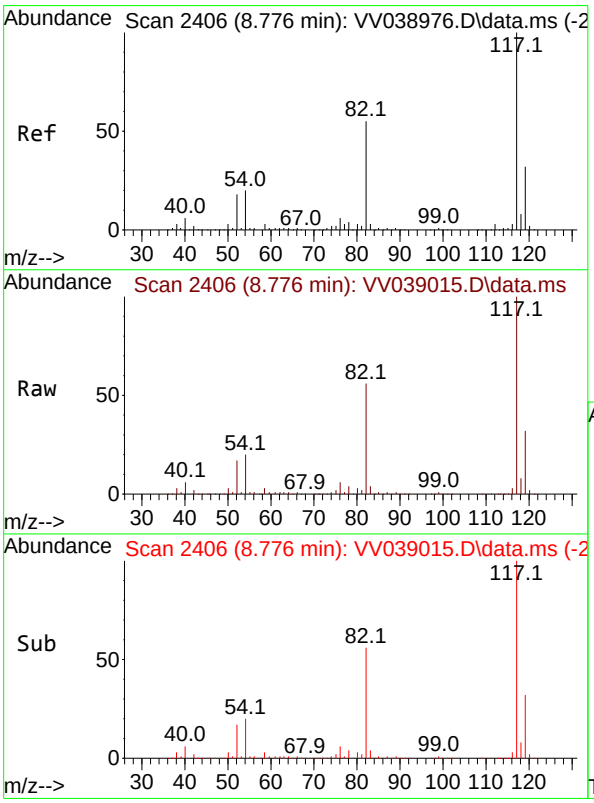
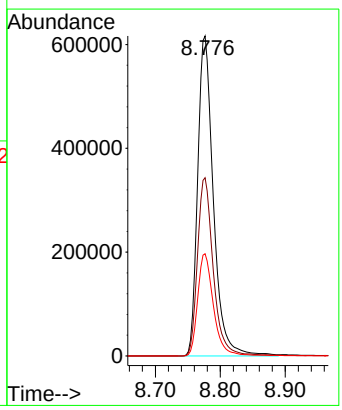
Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025

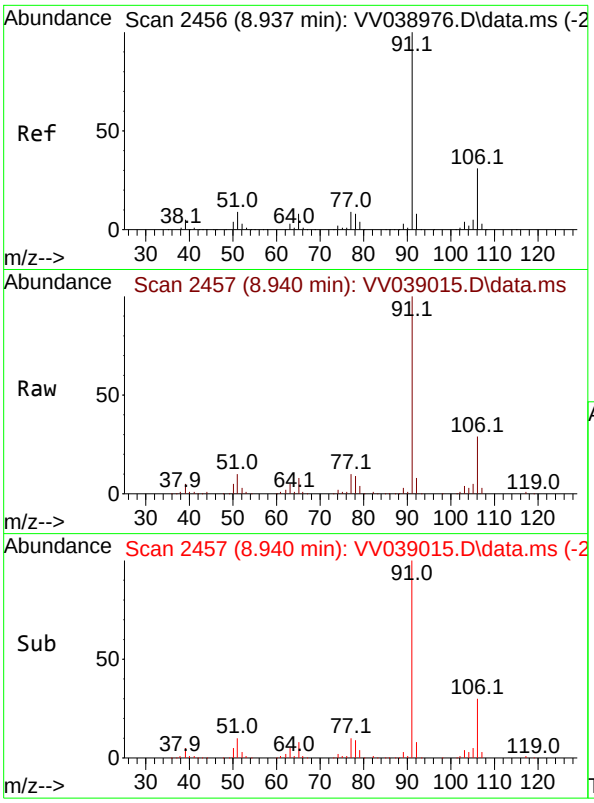


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.000 min
Lab File: VV039015.D
Acq: 22 Aug 2025 14:10

Tgt Ion:117 Resp: 1041283

Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.4	66.6
119	32.0	26.0	39.0





#67
Ethyl Benzene
Concen: 5.719 ug/l
RT: 8.940 min Scan# 24
Delta R.T. 0.003 min
Lab File: VV039015.D
Acq: 22 Aug 2025 14:10

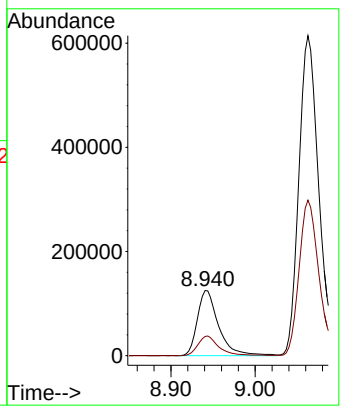
Tgt Ion: 91 Resp: 21919

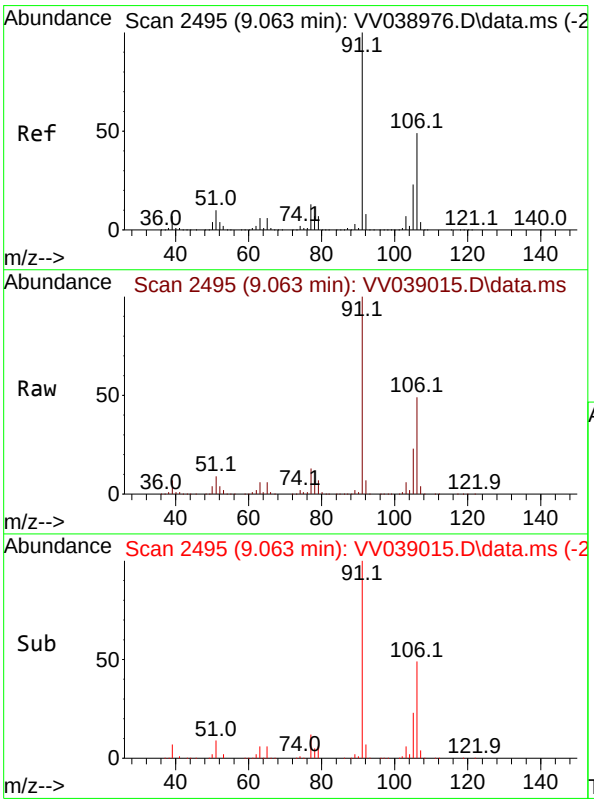
Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.6	36.8

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025

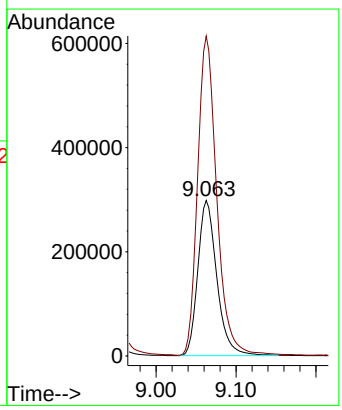


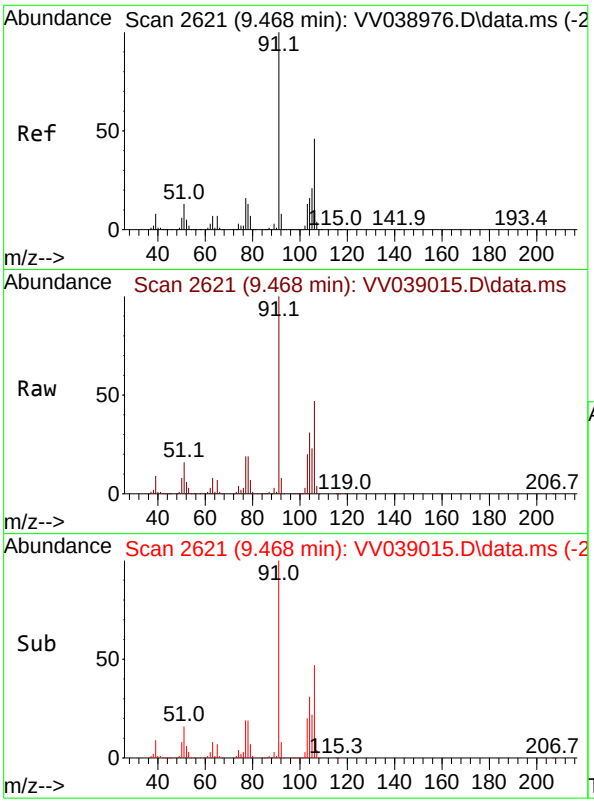


#68
m/p-Xylenes
Concen: 33.260 ug/l
RT: 9.063 min Scan# 2495
Delta R.T. 0.000 min
Lab File: VV039015.D
Acq: 22 Aug 2025 14:10

Tgt Ion:106 Resp: 495077

Ion	Ratio	Lower	Upper
106	100		
91	207.1	163.6	245.4





#69
o-Xylene
Concen: 19.792 ug/l
RT: 9.468 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039015.D
Acq: 22 Aug 2025 14:10

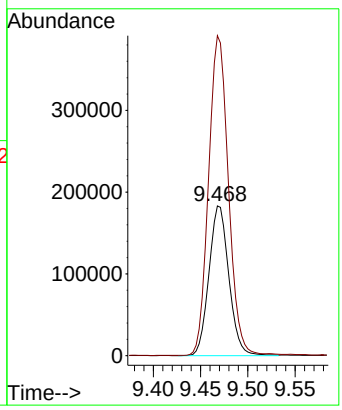
Tgt Ion:106 Resp: 26852

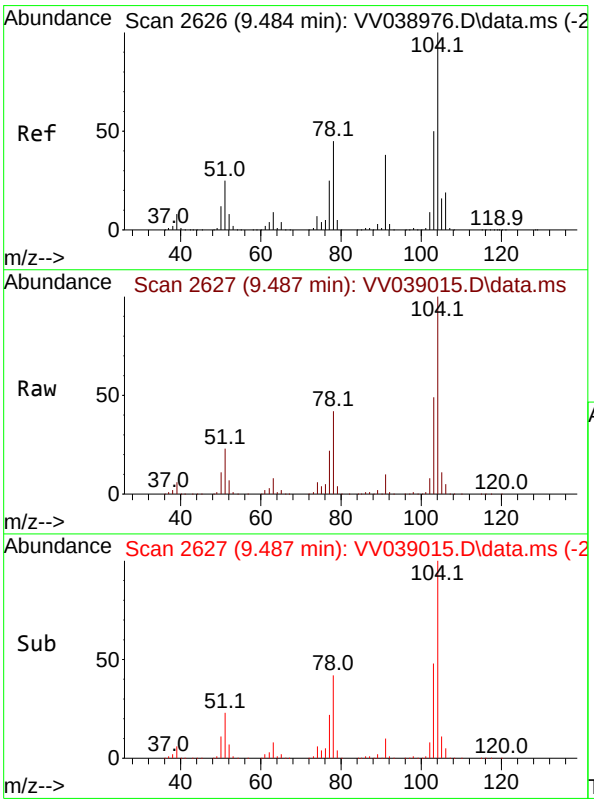
Ion	Ratio	Lower	Upper
106	100		
91	212.7	108.0	324.0

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025

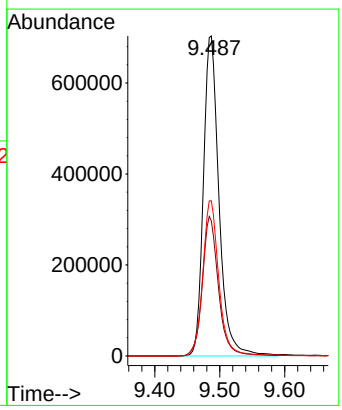


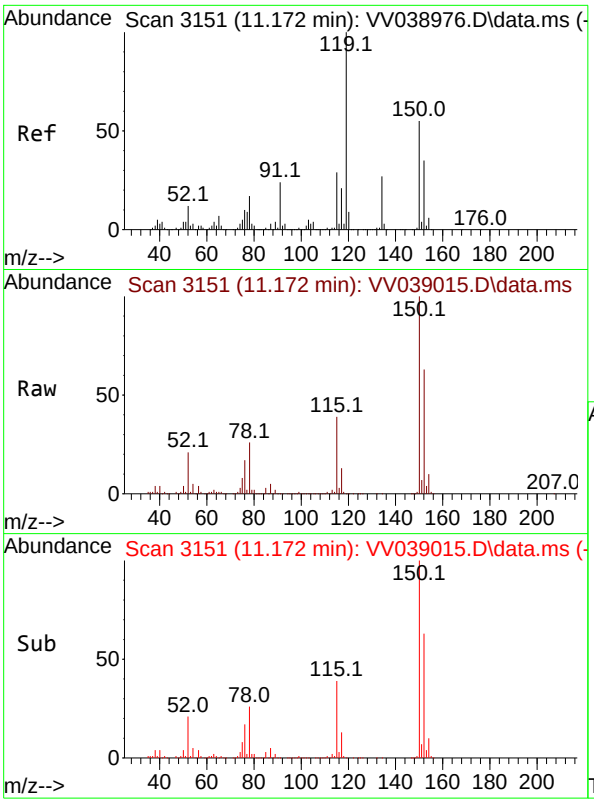


#70
Styrene
Concen: 50.533 ug/l
RT: 9.487 min Scan# 2627
Delta R.T. 0.003 min
Lab File: VV039015.D
Acq: 22 Aug 2025 14:10

Tgt Ion:104 Resp: 1176243

Ion	Ratio	Lower	Upper
104	100		
78	44.9	39.8	59.8
103	50.0	43.5	65.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV039015.D
Acq: 22 Aug 2025 14:10

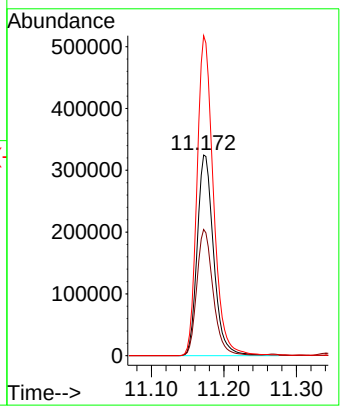
Tgt Ion:152 Resp: 51027

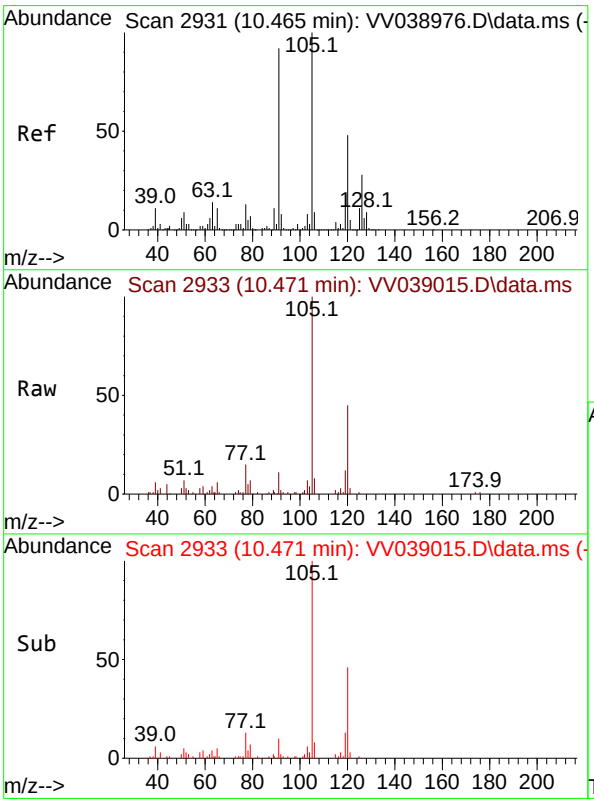
Ion	Ratio	Lower	Upper
152	100		
115	62.4	42.5	127.5
150	159.1	0.0	344.8

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025

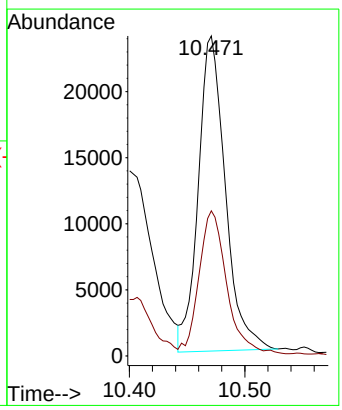


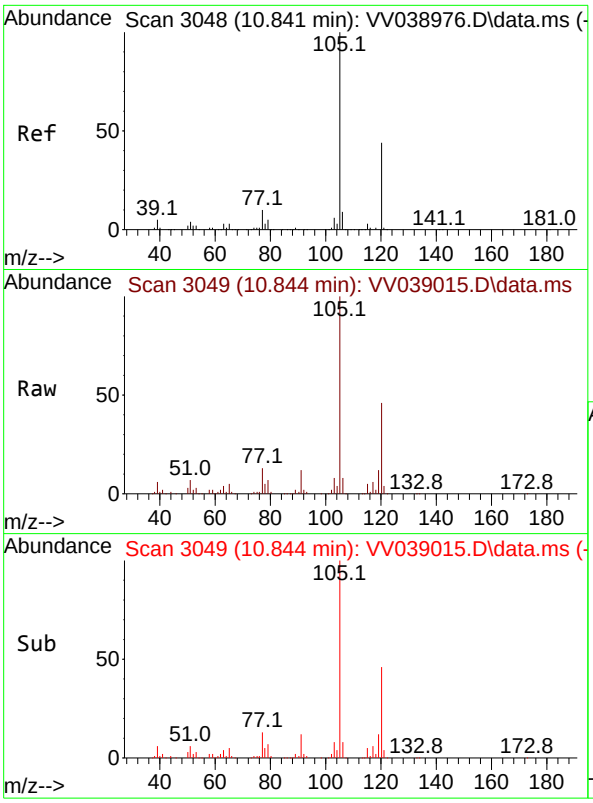


#80
1,3,5-Trimethylbenzene
Concen: 1.348 ug/l
RT: 10.471 min Scan# 2933
Delta R.T. 0.006 min
Lab File: VV039015.D
Acq: 22 Aug 2025 14:10

Tgt Ion:105 Resp: 38833

Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.9	71.7

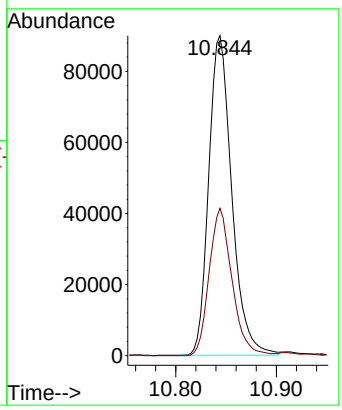




#84
1,2,4-Trimethylbenzene
Concen: 5.190 ug/l
RT: 10.844 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV039015.D
Acq: 22 Aug 2025 14:10

Tgt Ion:105 Resp: 14312

Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.8	68.3



Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025

Raw Data: **VV039018.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-201-082025DL2	SDG No.:	Q2924
Lab Sample ID:	Q2924-02DL2	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039018.D	400	08/22/25 15:27	VV082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	2000	UD	88.0	2000	ug/L
74-87-3	Chloromethane	2000	UD	130	2000	ug/L
75-01-4	Vinyl Chloride	2000	UD	100	2000	ug/L
74-83-9	Bromomethane	2000	UD	580	2000	ug/L
75-00-3	Chloroethane	2000	UD	190	2000	ug/L
75-69-4	Trichlorofluoromethane	2000	UD	130	2000	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	2000	UD	100	2000	ug/L
75-35-4	1,1-Dichloroethene	2000	UD	92.0	2000	ug/L
67-64-1	Acetone	10000	UD	600	10000	ug/L
75-15-0	Carbon Disulfide	2000	UD	84.0	2000	ug/L
1634-04-4	Methyl tert-butyl Ether	2000	UDQ	64.0	2000	ug/L
79-20-9	Methyl Acetate	2000	UDQ	110	2000	ug/L
75-09-2	Methylene Chloride	2000	UD	110	2000	ug/L
156-60-5	trans-1,2-Dichloroethene	2000	UDQ	92.0	2000	ug/L
75-34-3	1,1-Dichloroethane	2000	UD	92.0	2000	ug/L
110-82-7	Cyclohexane	2000	UD	580	2000	ug/L
78-93-3	2-Butanone	10000	UD	390	10000	ug/L
56-23-5	Carbon Tetrachloride	2000	UD	100	2000	ug/L
156-59-2	cis-1,2-Dichloroethene	2000	UD	76.0	2000	ug/L
74-97-5	Bromochloromethane	2000	UDQ	88.0	2000	ug/L
67-66-3	Chloroform	2000	UD	100	2000	ug/L
71-55-6	1,1,1-Trichloroethane	2000	UD	80.0	2000	ug/L
108-87-2	Methylcyclohexane	2000	UD	64.0	2000	ug/L
71-43-2	Benzene	3700	D	60.0	2000	ug/L
107-06-2	1,2-Dichloroethane	2000	UD	88.0	2000	ug/L
79-01-6	Trichloroethene	2000	UD	37.2	2000	ug/L
78-87-5	1,2-Dichloropropane	2000	UD	80.0	2000	ug/L
75-27-4	Bromodichloromethane	2000	UD	88.0	2000	ug/L
108-10-1	4-Methyl-2-Pentanone	10000	UD	270	10000	ug/L
108-88-3	Toluene	14000	D	56.0	2000	ug/L

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Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-201-082025DL2	SDG No.:	Q2924
Lab Sample ID:	Q2924-02DL2	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039018.D	400	08/22/25 15:27	VV082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	2000	UD	68.0	2000	ug/L
10061-01-5	cis-1,3-Dichloropropene	2000	UD	64.0	2000	ug/L
79-00-5	1,1,2-Trichloroethane	2000	UD	84.0	2000	ug/L
591-78-6	2-Hexanone	10000	UD	360	10000	ug/L
124-48-1	Dibromochloromethane	2000	UD	72.0	2000	ug/L
106-93-4	1,2-Dibromoethane	2000	UD	60.0	2000	ug/L
127-18-4	Tetrachloroethene	2000	UD	92.0	2000	ug/L
108-90-7	Chlorobenzene	2000	UD	48.0	2000	ug/L
100-41-4	Ethyl Benzene	410	JD	52.0	2000	ug/L
179601-23-1	m/p-Xylenes	2200	JD	96.0	4000	ug/L
95-47-6	o-Xylene	1300	JD	48.0	2000	ug/L
100-42-5	Styrene	3200	D	60.0	2000	ug/L
75-25-2	Bromoform	2000	UD	76.0	2000	ug/L
98-82-8	Isopropylbenzene	2000	UD	48.0	2000	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2000	UD	100	2000	ug/L
541-73-1	1,3-Dichlorobenzene	2000	UD	64.0	2000	ug/L
106-46-7	1,4-Dichlorobenzene	2000	UD	76.0	2000	ug/L
95-50-1	1,2-Dichlorobenzene	2000	UD	64.0	2000	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	2000	UD	210	2000	ug/L
120-82-1	1,2,4-Trichlorobenzene	2000	UD	80.0	2000	ug/L
87-61-6	1,2,3-Trichlorobenzene	2000	UD	80.0	2000	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.2		74 - 125	102%	SPK: 50
1868-53-7	Dibromofluoromethane	44.3		75 - 124	89%	SPK: 50
2037-26-5	Toluene-d8	44.2		86 - 113	88%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.6		77 - 121	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	766000	4.6			
540-36-3	1,4-Difluorobenzene	1440000	5.532			
3114-55-4	Chlorobenzene-d5	1310000	8.773			
3855-82-1	1,4-Dichlorobenzene-d4	617000	11.172			

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Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-201-082025DL2	SDG No.:	Q2924
Lab Sample ID:	Q2924-02DL2	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039018.D	400	08/22/25 15:27	VV082225

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_V\DATA\VV082225\
Data File : VV039018.D
Acq On : 22 Aug 2025 15:27
Operator : SY/MD
Sample : Q2924-02DL2 400X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025DL2

Quant Time: Aug 25 02:24:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

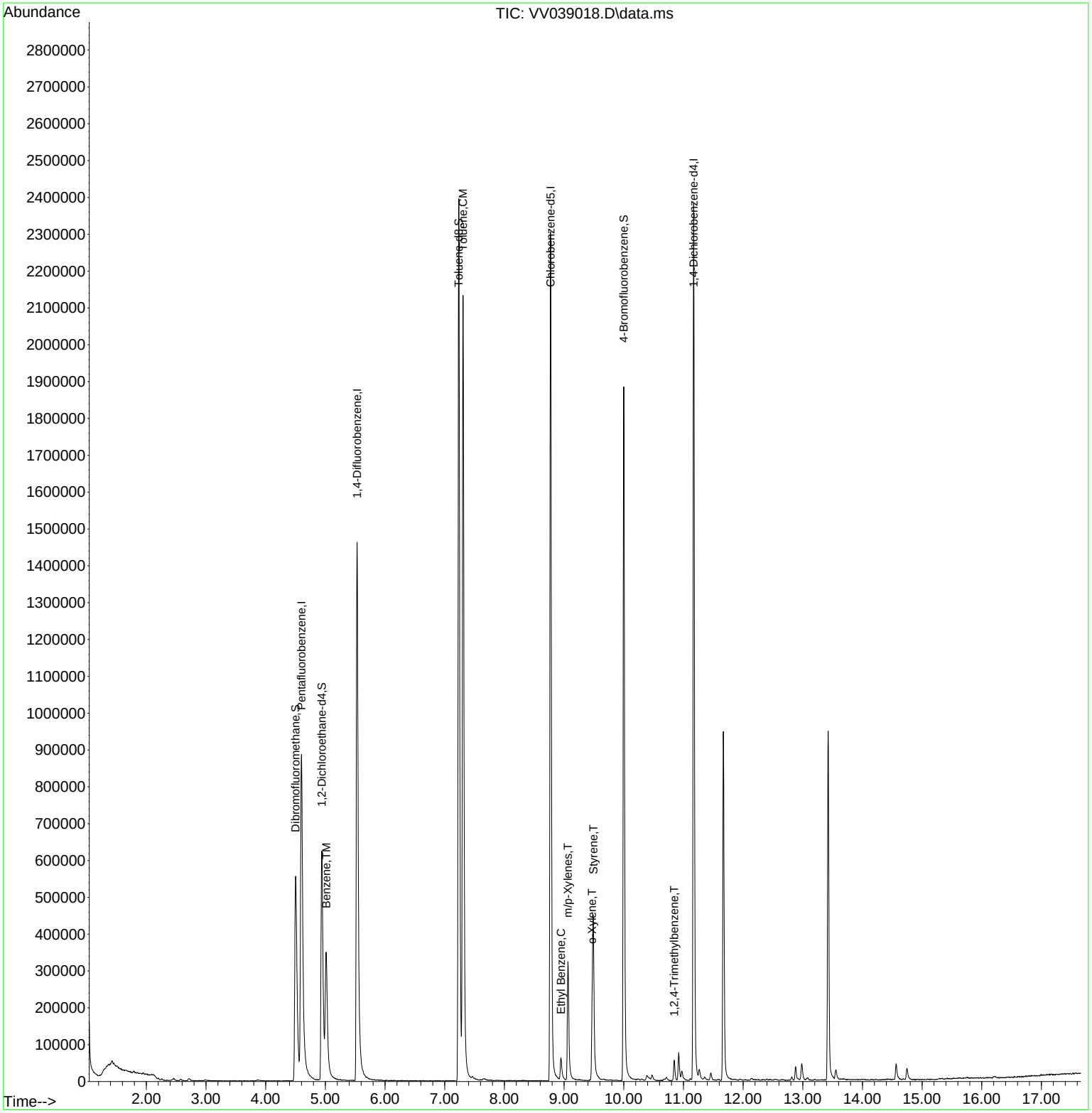
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	766342	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1437458	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1305700	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	617094	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	550861	51.228	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 102.460%			
35) Dibromofluoromethane	4.503	113	477466	44.291	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 88.580%			
50) Toluene-d8	7.236	98	1663060	44.241	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 88.480%#			
62) 4-Bromofluorobenzene	10.001	95	641035	46.615	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 93.220%			
Target Compounds						Qvalue
40) Benzene	5.015	78	405522	9.248	ug/l	98
52) Toluene	7.307	92	974038	35.075	ug/l	99
67) Ethyl Benzene	8.950	91	49464	1.029	ug/l	95
68) m/p-Xylenes	9.066	106	102083	5.469	ug/l	99
69) o-Xylene	9.471	106	54870	3.225	ug/l	94
70) Styrene	9.490	104	230738	7.905	ug/l	93
84) 1,2,4-Trimethylbenzene	10.847	105	30737	0.922	ug/l	98

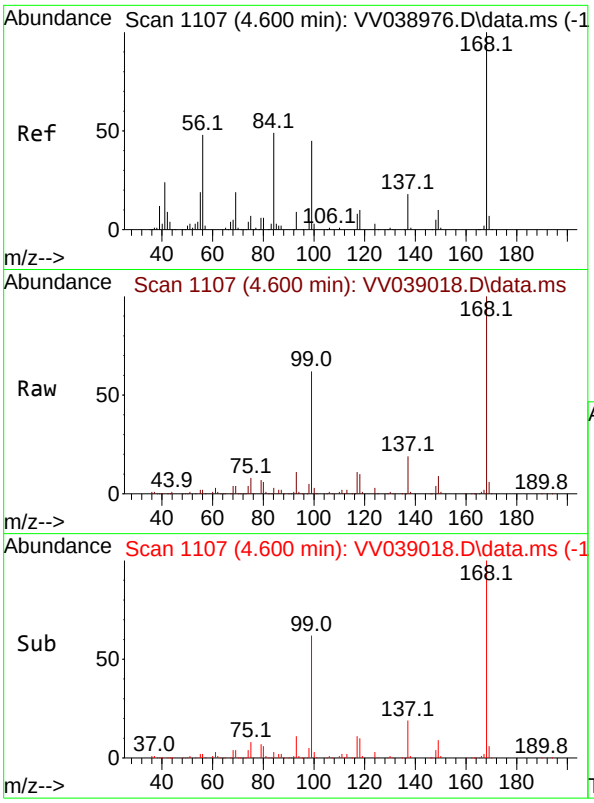
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082225\
Data File : VV039018.D
Acq On : 22 Aug 2025 15:27
Operator : SY/MD
Sample : Q2924-02DL2 400X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025DL2

Quant Time: Aug 25 02:24:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration



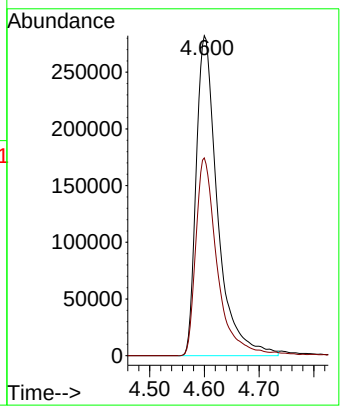


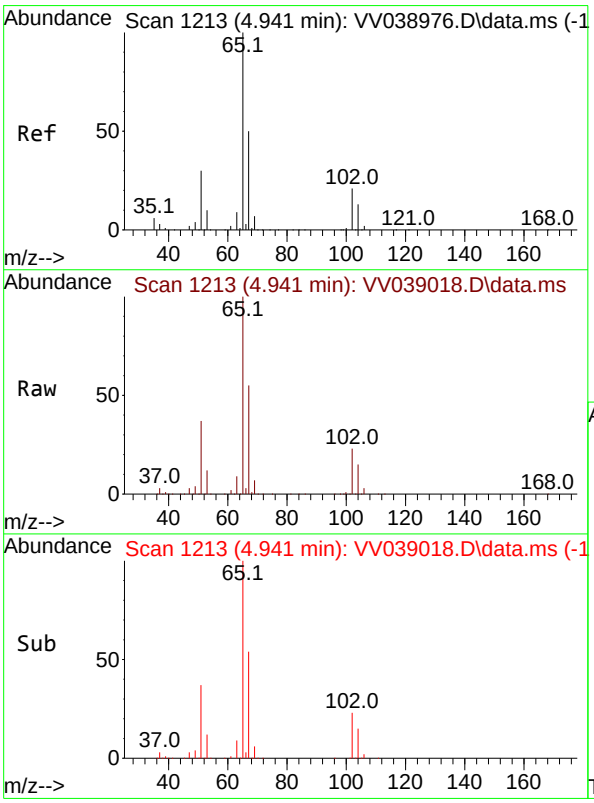
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV039018.D
Acq: 22 Aug 2025 15:27

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025DL2

Tgt Ion:168 Resp: 766342

Ion	Ratio	Lower	Upper
168	100		
99	61.8	47.0	70.6

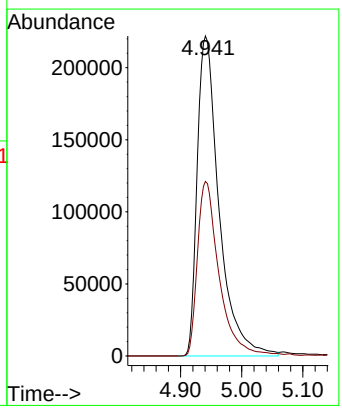


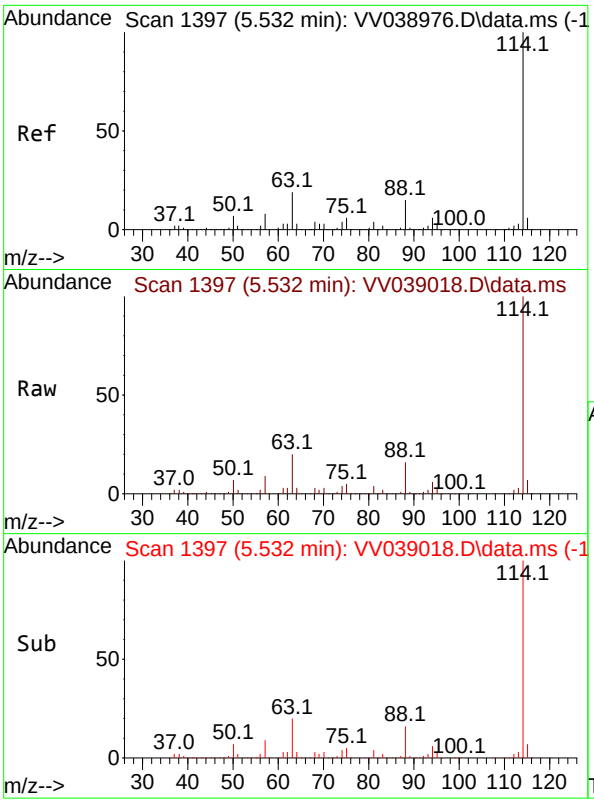


#33
1,2-Dichloroethane-d4
Concen: 51.228 ug/l
RT: 4.941 min Scan# 1213
Delta R.T. -0.000 min
Lab File: VV039018.D
Acq: 22 Aug 2025 15:27

Tgt Ion: 65 Resp: 550861

Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	100.4



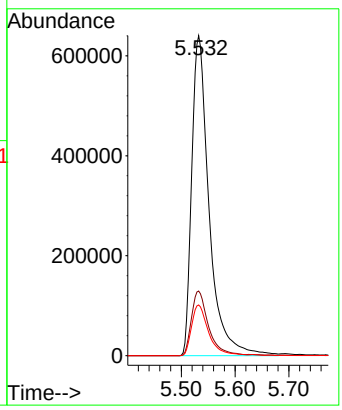


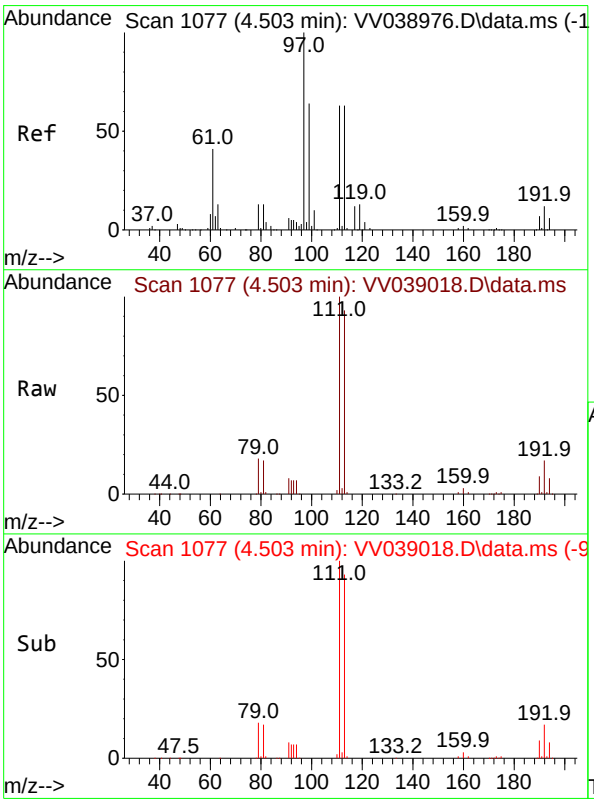
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039018.D
Acq: 22 Aug 2025 15:27

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025DL2

Tgt Ion:114 Resp: 1437458

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	37.4
88	15.9	0.0	30.4

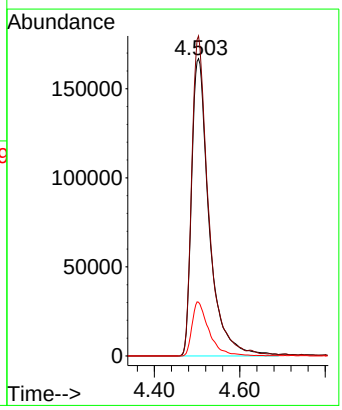


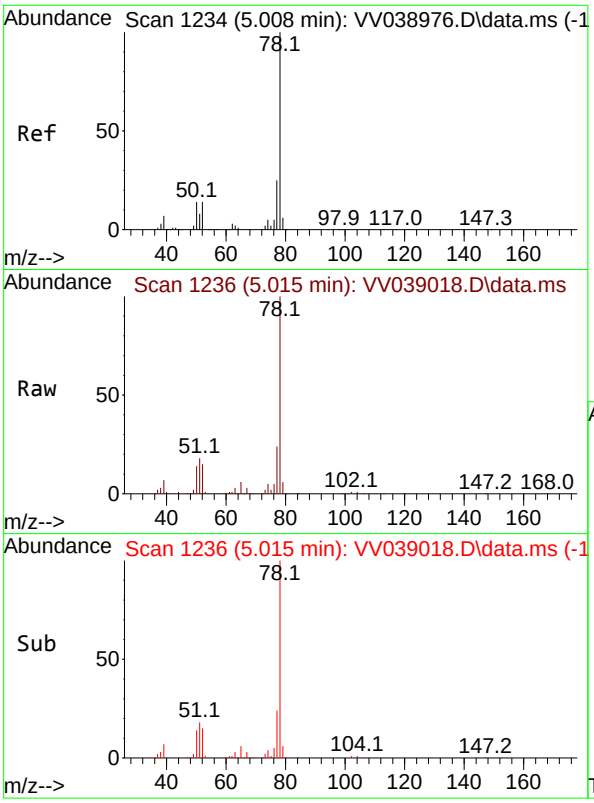


#35
Dibromofluoromethane
Concen: 44.291 ug/l
RT: 4.503 min Scan# 1077
Delta R.T. -0.000 min
Lab File: VV039018.D
Acq: 22 Aug 2025 15:27

Tgt Ion:113 Resp: 477466

Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.3	121.9
192	17.4	15.4	23.0



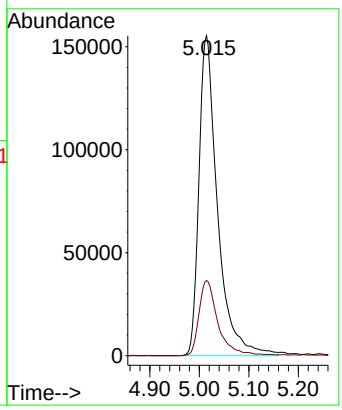


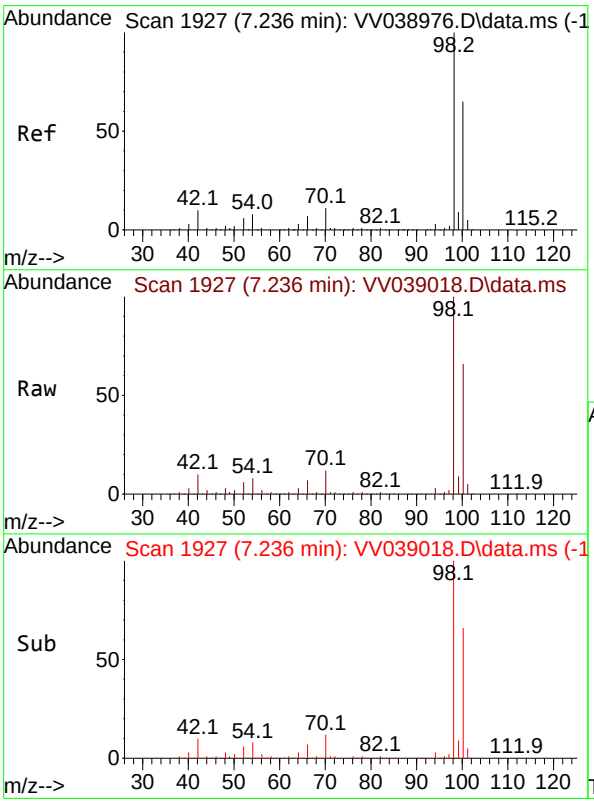
#40
Benzene
Concen: 9.248 ug/l
RT: 5.015 min Scan# 1
Delta R.T. 0.006 min
Lab File: VV039018.D
Acq: 22 Aug 2025 15:27

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025DL2

Tgt Ion: 78 Resp: 405522

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.6	29.4

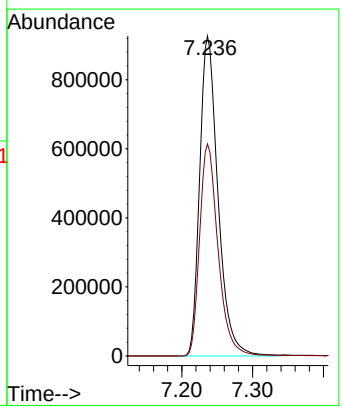


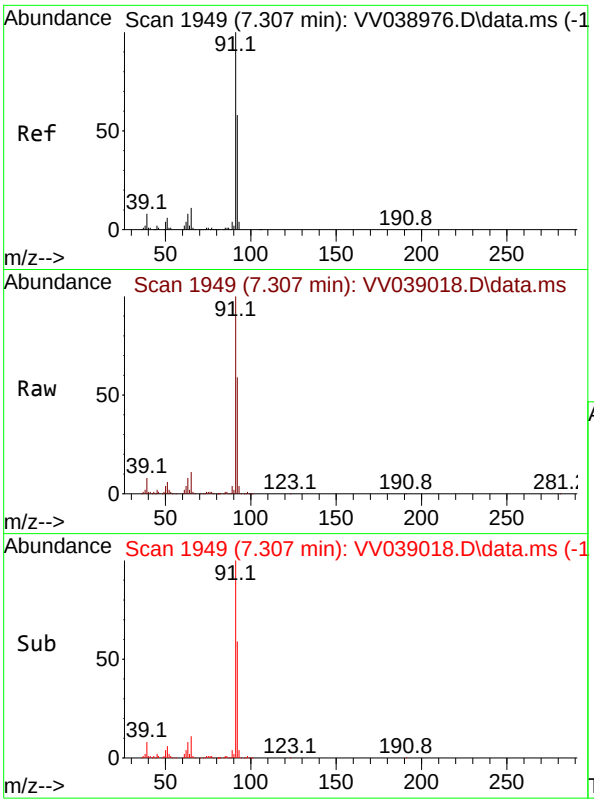


#50
Toluene-d8
Concen: 44.241 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV039018.D
Acq: 22 Aug 2025 15:27

Tgt Ion: 98 Resp: 1663060

Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.2	78.2



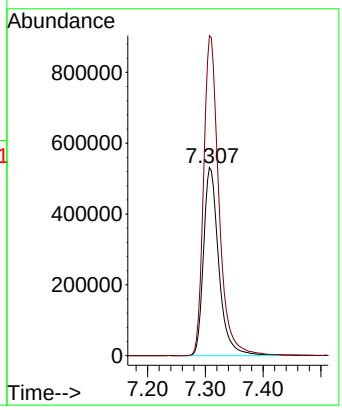


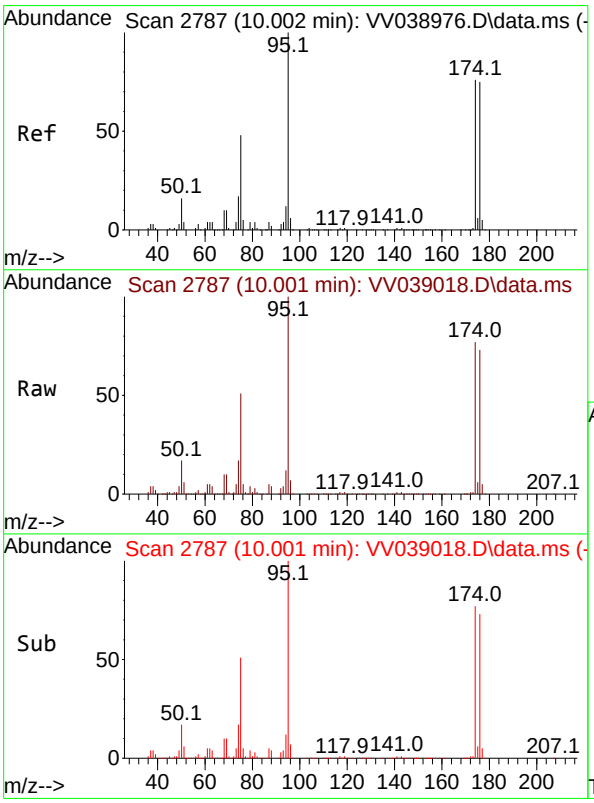
#52
Toluene
Concen: 35.075 ug/l
RT: 7.307 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039018.D
Acq: 22 Aug 2025 15:27

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025DL2

Tgt Ion: 92 Resp: 974038

Ion	Ratio	Lower	Upper
92	100		
91	171.3	136.3	204.5

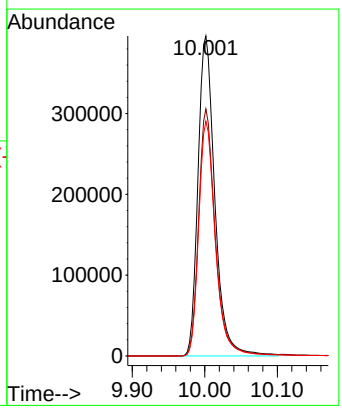


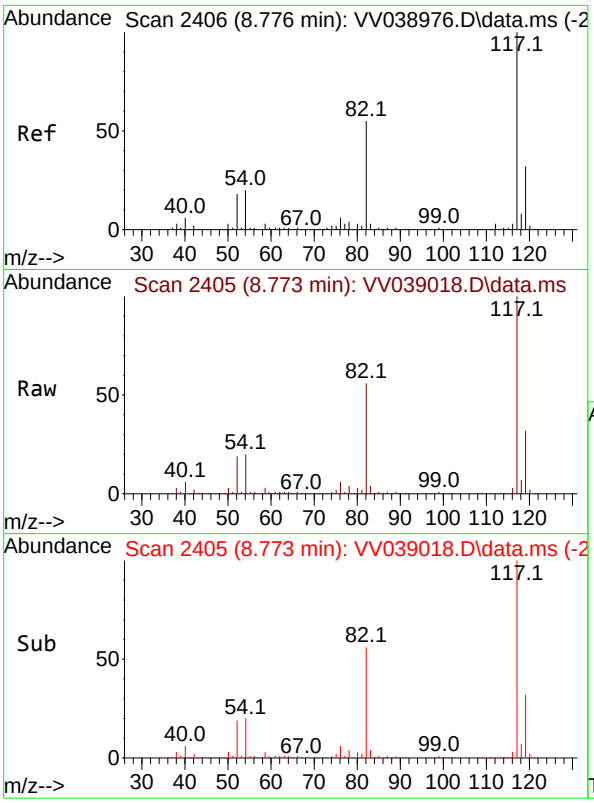


#62
4-Bromofluorobenzene
Concen: 46.615 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. -0.000 min
Lab File: VV039018.D
Acq: 22 Aug 2025 15:27

Tgt Ion: 95 Resp: 641035

Ion	Ratio	Lower	Upper
95	100		
174	75.9	0.0	154.4
176	72.7	0.0	148.6



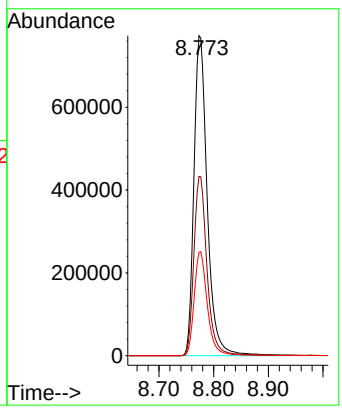


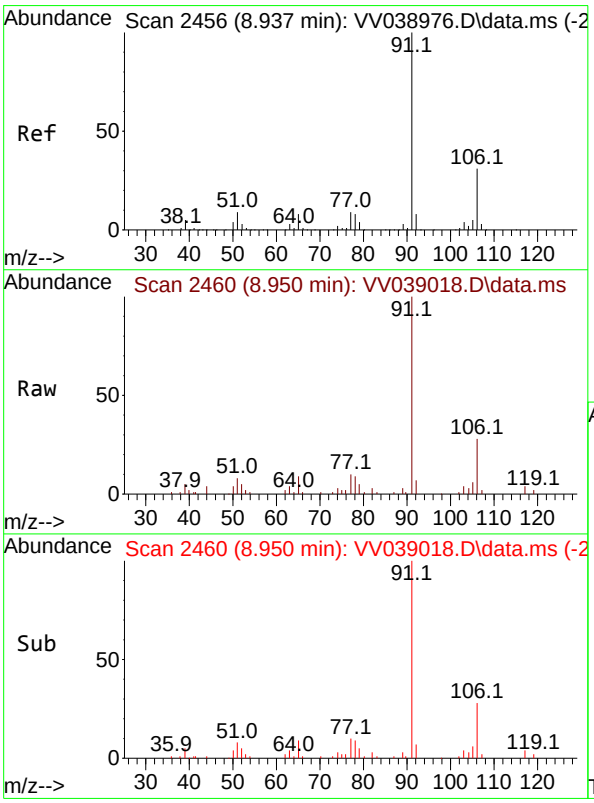
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 24
Delta R.T. -0.003 min
Lab File: VV039018.D
Acq: 22 Aug 2025 15:27

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025DL2

Tgt Ion:117 Resp: 1305700

Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.4	66.6
119	32.3	26.0	39.0

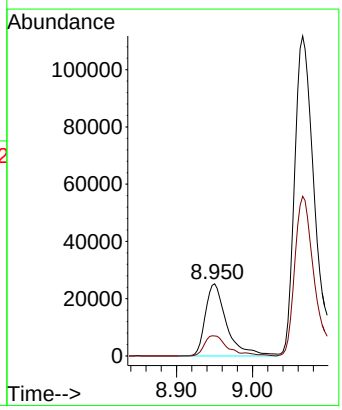


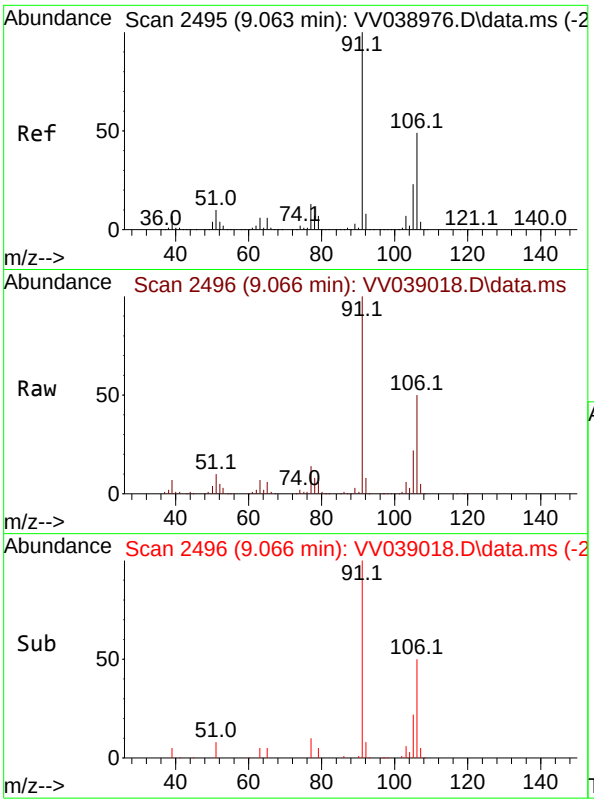


#67
Ethyl Benzene
Concen: 1.029 ug/l
RT: 8.950 min Scan# 2460
Delta R.T. 0.013 min
Lab File: VV039018.D
Acq: 22 Aug 2025 15:27

Tgt Ion: 91 Resp: 49464

Ion	Ratio	Lower	Upper
91	100		
106	27.7	24.6	36.8



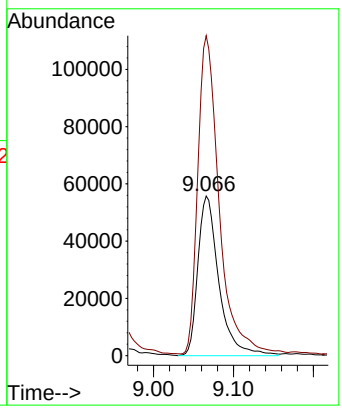


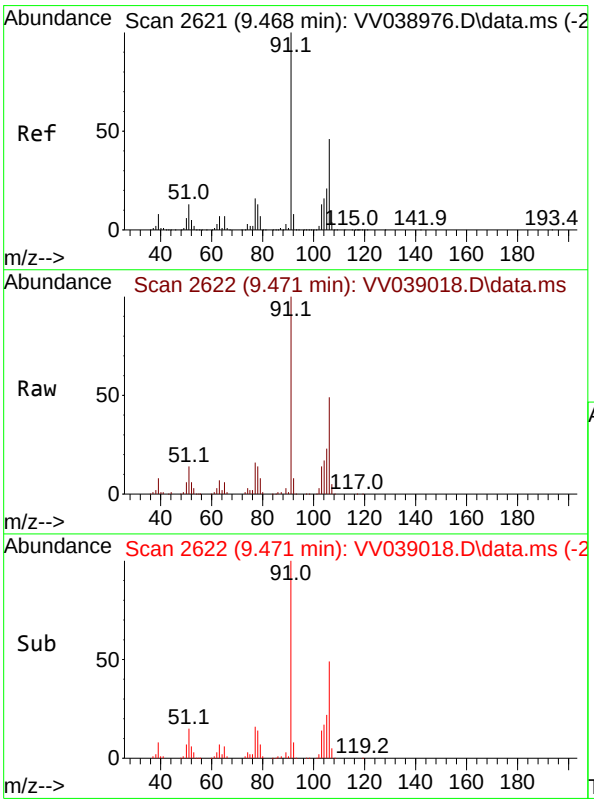
#68
m/p-Xylenes
Concen: 5.469 ug/l
RT: 9.066 min Scan# 24
Delta R.T. 0.003 min
Lab File: VV039018.D
Acq: 22 Aug 2025 15:27

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025DL2

Tgt Ion:106 Resp: 102083

Ion	Ratio	Lower	Upper
106	100		
91	202.3	163.6	245.4

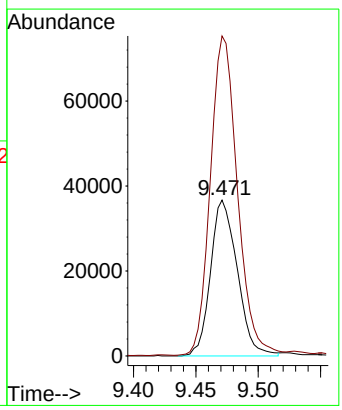


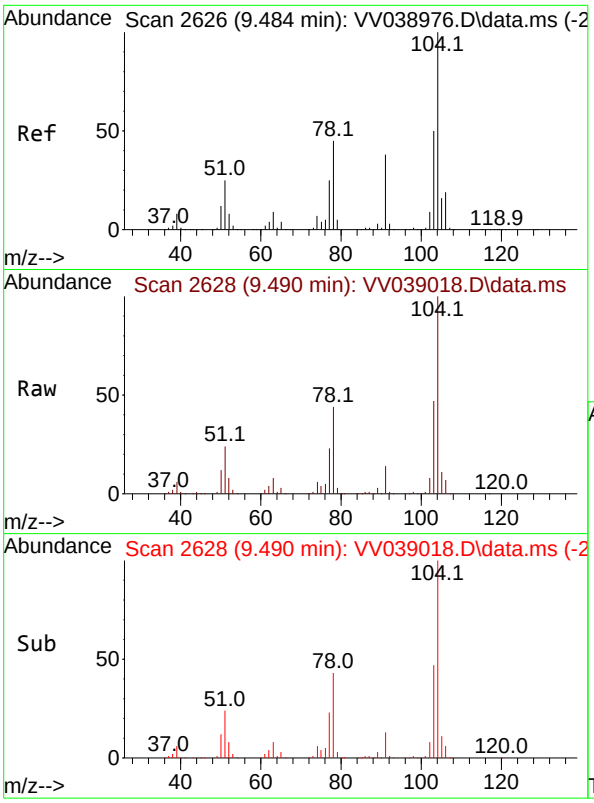


#69
o-Xylene
Concen: 3.225 ug/l
RT: 9.471 min Scan# 2622
Delta R.T. 0.003 min
Lab File: VV039018.D
Acq: 22 Aug 2025 15:27

Tgt Ion:106 Resp: 54870

Ion	Ratio	Lower	Upper
106	100		
91	207.0	108.0	324.0



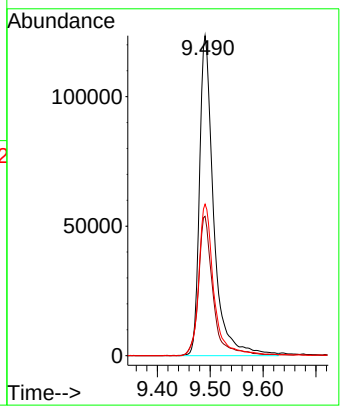


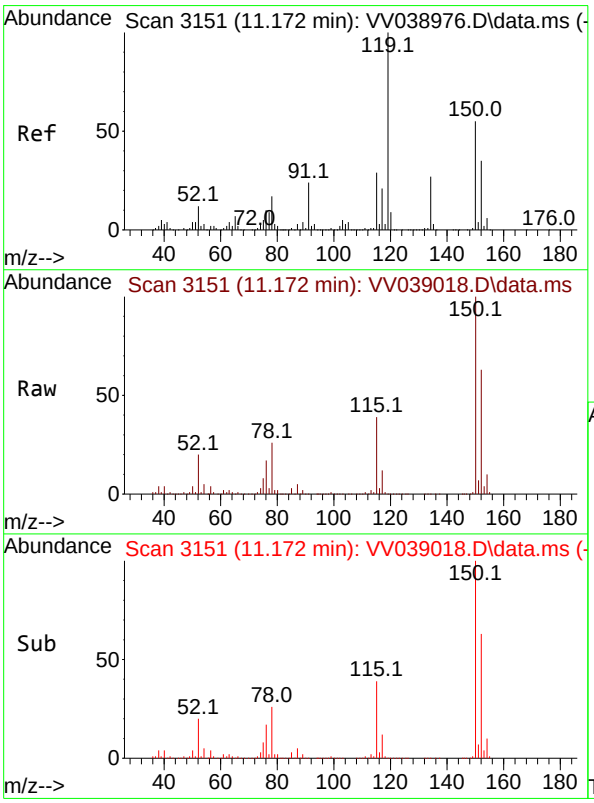
#70
Styrene
Concen: 7.905 ug/l
RT: 9.490 min Scan# 2
Delta R.T. 0.006 min
Lab File: VV039018.D
Acq: 22 Aug 2025 15:27

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025DL2

Tgt Ion:104 Resp: 230738

Ion	Ratio	Lower	Upper
104	100		
78	44.6	39.8	59.8
103	50.0	43.5	65.3

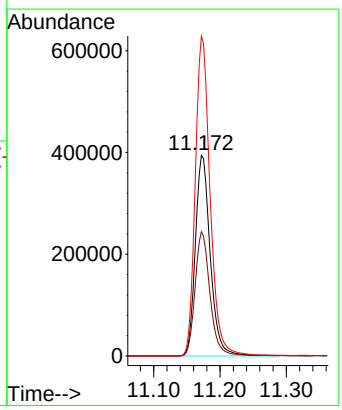


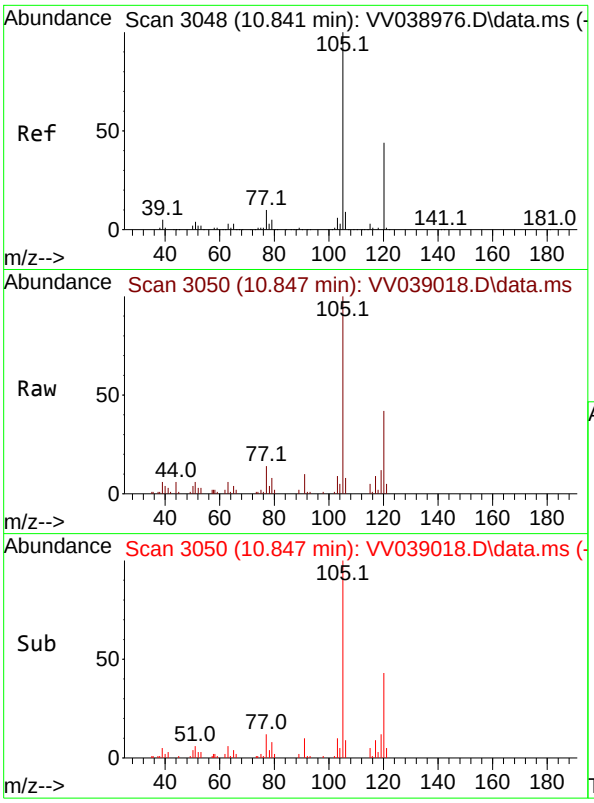


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VV039018.D
Acq: 22 Aug 2025 15:27

Tgt Ion:152 Resp: 617094

Ion	Ratio	Lower	Upper
152	100		
115	61.5	42.5	127.5
150	158.4	0.0	344.8



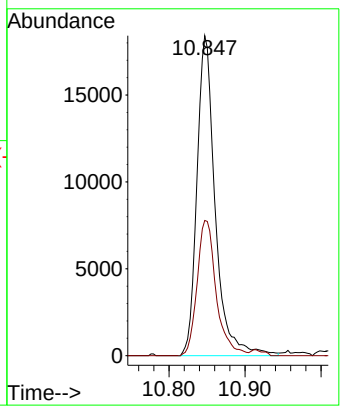


#84
1,2,4-Trimethylbenzene
Concen: 0.922 ug/l
RT: 10.847 min Scan# 3
Delta R.T. 0.006 min
Lab File: VV039018.D
Acq: 22 Aug 2025 15:27

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025DL2

Tgt Ion:105 Resp: 30737

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.8	68.3



Raw Data: **VV038998.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-2B-082025	SDG No.:	Q2924
Lab Sample ID:	Q2924-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV038998.D	1	08/21/25 21:49	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.00	U	0.22	5.00	ug/L
74-87-3	Chloromethane	5.00	U	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	5.00	U	0.26	5.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	5.00	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	5.00	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	5.00	U	0.23	5.00	ug/L
67-64-1	Acetone	2.40	J	1.50	25.0	ug/L
75-15-0	Carbon Disulfide	5.00	U	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	9.60		0.16	5.00	ug/L
79-20-9	Methyl Acetate	5.00	U	0.27	5.00	ug/L
75-09-2	Methylene Chloride	5.00	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	30.5		0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	5.00	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.50	5.00	ug/L
78-93-3	2-Butanone	25.0	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	58.4		0.19	5.00	ug/L
74-97-5	Bromochloromethane	5.00	U	0.22	5.00	ug/L
67-66-3	Chloroform	5.00	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	1.30	J	0.16	5.00	ug/L
71-43-2	Benzene	1600	E	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	5.00	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	1.90	J	0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	5.00	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	5.00	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	U	0.68	25.0	ug/L
108-88-3	Toluene	13.6		0.14	5.00	ug/L

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-2B-082025	SDG No.:	Q2924
Lab Sample ID:	Q2924-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV038998.D	1	08/21/25 21:49	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	5.00	U	0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	U	0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	5.00	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	25.0	U	0.89	25.0	ug/L
124-48-1	Dibromochloromethane	5.00	U	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	5.00	U	0.15	5.00	ug/L
127-18-4	Tetrachloroethene	5.00	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	5.00	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	610	E	0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	55.8		0.24	10.0	ug/L
95-47-6	o-Xylene	50.4		0.12	5.00	ug/L
100-42-5	Styrene	5.00	U	0.15	5.00	ug/L
75-25-2	Bromoform	5.00	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	78.7		0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	U	0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.5		74 - 125	115%	SPK: 50
1868-53-7	Dibromofluoromethane	44.9		75 - 124	90%	SPK: 50
2037-26-5	Toluene-d8	43.4		86 - 113	87%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.0		77 - 121	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	444000	4.603			
540-36-3	1,4-Difluorobenzene	846000	5.532			
3114-55-4	Chlorobenzene-d5	758000	8.776			
3855-82-1	1,4-Dichlorobenzene-d4	412000	11.175			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VV038998.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-2B-082025	SDG No.:	Q2924
Lab Sample ID:	Q2924-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV038998.D	1	08/21/25 21:49	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
103-65-1	n-propylbenzene	22.1	J		10.3	ug/L
108-67-8	1,3,5-Trimethylbenzene	19.7	J		10.5	ug/L
95-63-6	1,2,4-Trimethylbenzene	57.4	J		10.8	ug/L
000526-73-8	Benzene, 1,2,3-trimethyl-	130	J		11.3	ug/L
000496-11-7	Indane	2600	J		11.5	ug/L
000095-13-6	Indene	93.1	J		11.7	ug/L
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	150	J		12.6	ug/L
003454-07-7	Benzene, 1-ethenyl-4-ethyl-	180	J		12.8	ug/L
002177-47-1	2-Methylindene	74.7	J		12.9	ug/L
065051-83-4	Benzene, (1-methyl-2-cyclopropen-1	220	J		13.0	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

Sample Results: **VV038998.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038998.D
Acq On : 21 Aug 2025 21:49
Operator : SY/MD
Sample : Q2924-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 22 04:39:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.603	168	444034	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	845792	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	758397	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	411561	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.947	65	358309	57.508	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 115.020%			
35) Dibromofluoromethane	4.503	113	284865	44.910	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 89.820%			
50) Toluene-d8	7.236	98	959648	43.387	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 86.780%#			
62) 4-Bromofluorobenzene	10.001	95	436712	53.972	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 107.940%			
Target Compounds						Qvalue
16) Acetone	2.127	43	5981	2.392	ug/l	95
19) Methyl tert-butyl Ether	2.709	73	142496	9.563	ug/l	92
21) trans-1,2-Dichloroethene	2.706	96	160213	30.523	ug/l	95
27) cis-1,2-Dichloroethene	3.822	96	370108	58.421	ug/l	91
39) Methylcyclohexane	6.053	83	13689	1.301	ug/l	99
40) Benzene	4.989	78	40625844m	1574.616	ug/l	
44) Trichloroethene	5.850	130	13355	1.908	ug/l	93
52) Toluene	7.313	92	222220	13.600	ug/l	99
67) Ethyl Benzene	8.931	91	16987346m	608.544	ug/l	
68) m/p-Xylenes	9.066	106	605398	55.841	ug/l	100
69) o-Xylene	9.468	106	497892	50.387	ug/l	100
73) Isopropylbenzene	9.857	105	2172226	78.656	ug/l	100
78) n-propylbenzene	10.278	91	727853	22.074	ug/l	99
80) 1,3,5-Trimethylbenzene	10.464	105	458126	19.712	ug/l	100
84) 1,2,4-Trimethylbenzene	10.841	105	1277488	57.438	ug/l	99

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

Sample Results: **VV038998.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038998.D
Acq On : 21 Aug 2025 21:49
Operator : SY/MD
Sample : Q2924-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 22 04:39:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025

Manual Integrations APPROVED

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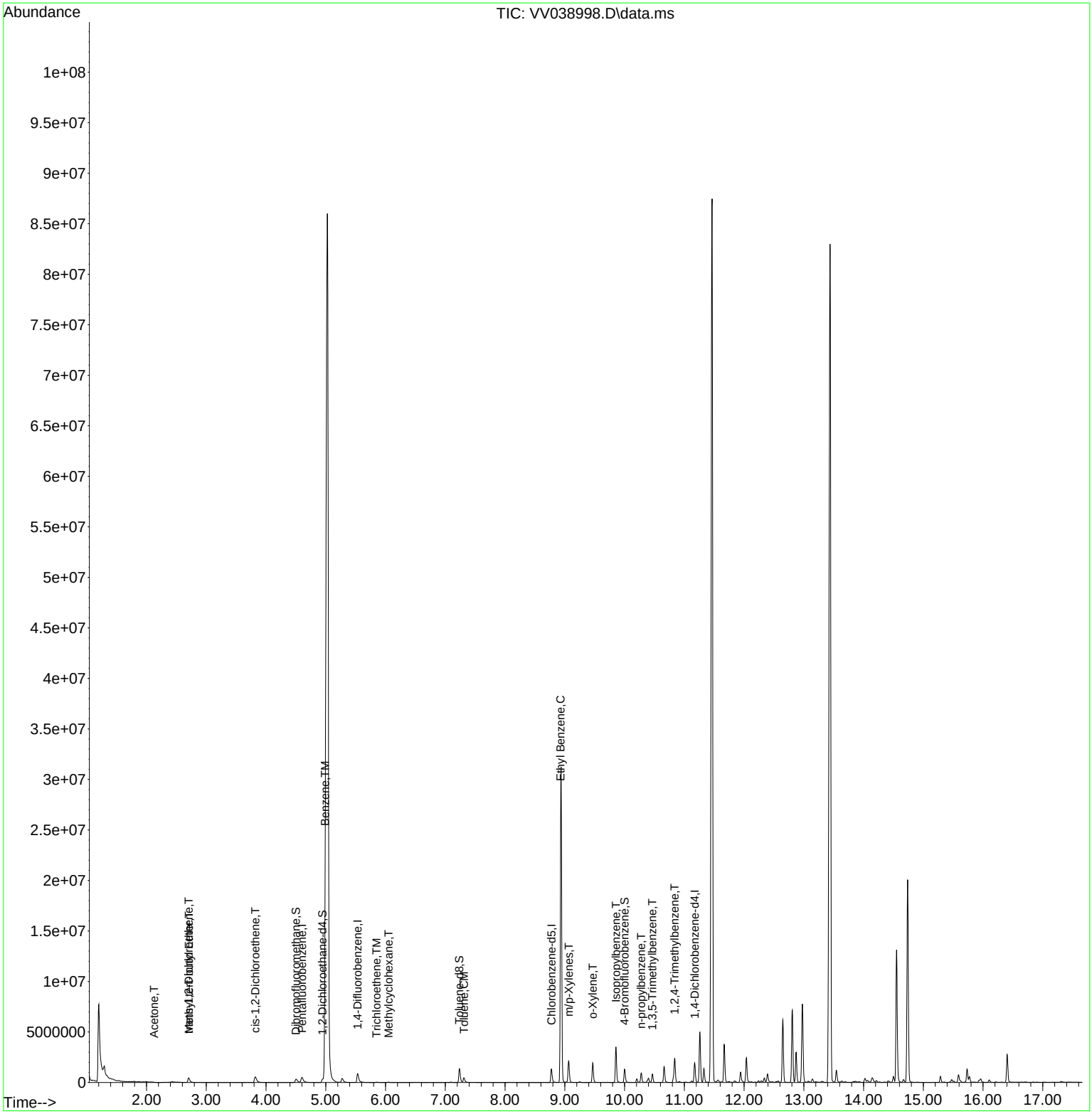

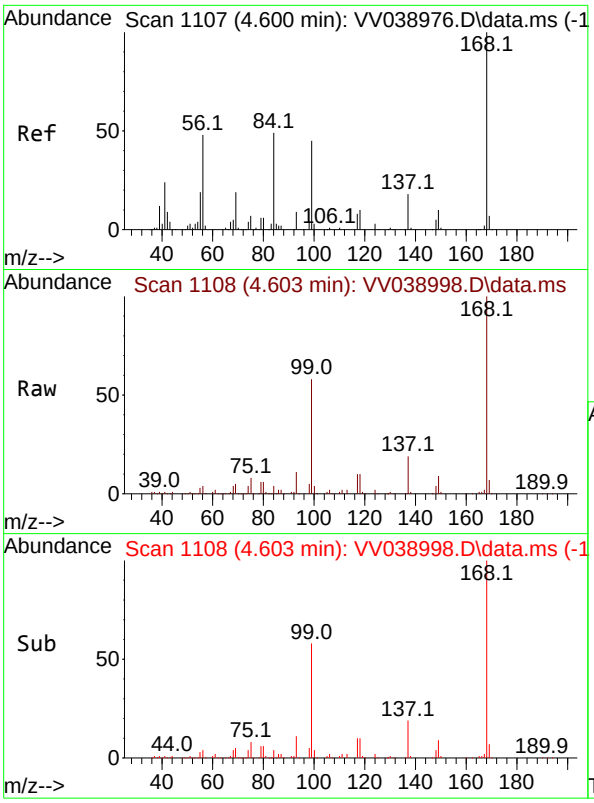

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.603 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

Tgt Ion:168 Resp: 44403

Ion	Ratio	Lower	Upper
168	100		
99	57.9	47.0	70.6

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025

Manual Integrations
APPROVED

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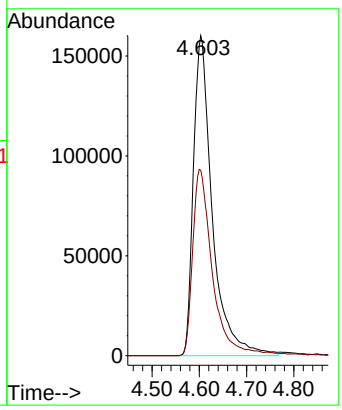
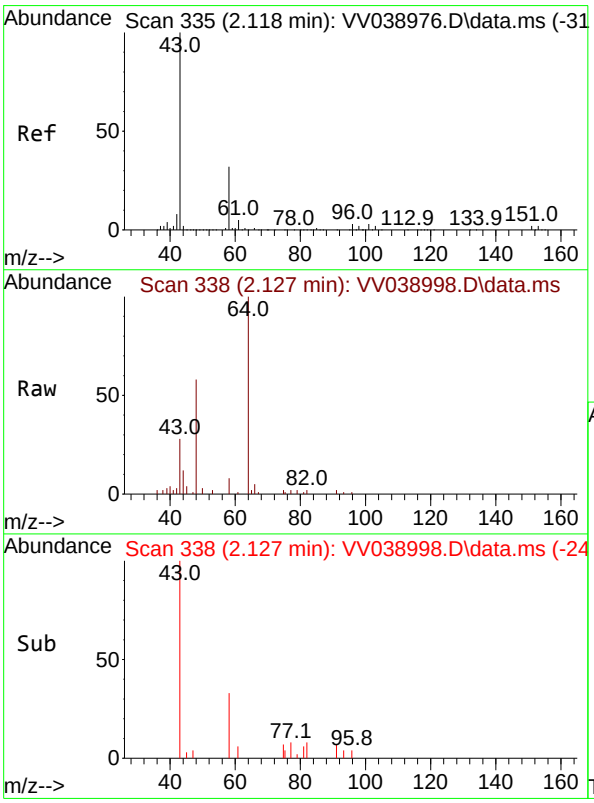
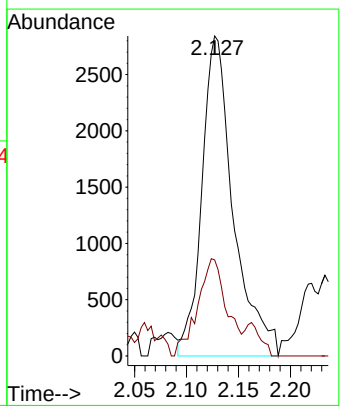


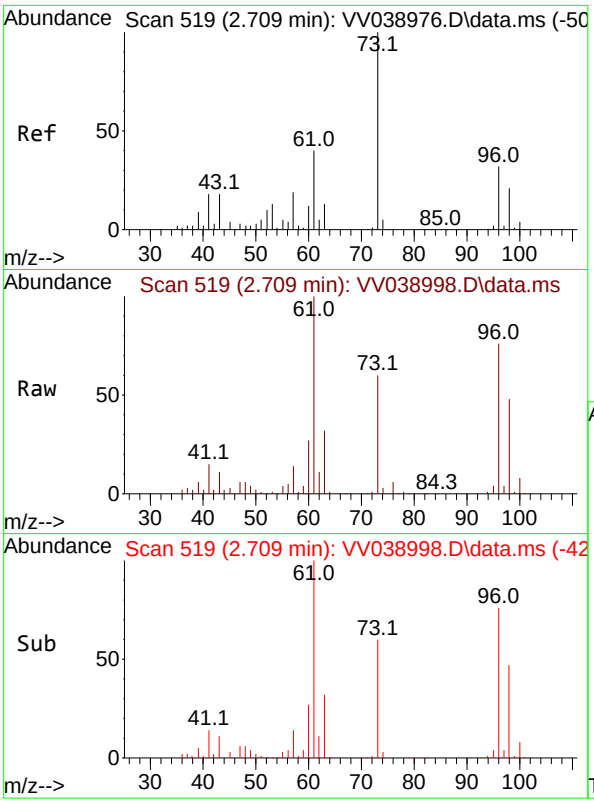


#16
Acetone
Concen: 2.392 ug/l
RT: 2.127 min Scan# 338
Delta R.T. 0.009 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

Tgt Ion: 43 Resp: 5981

Ion	Ratio	Lower	Upper
43	100		
58	30.0	26.3	39.5

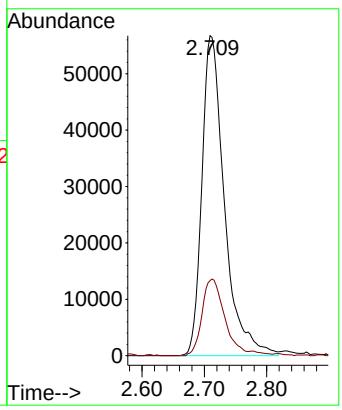




#19
Methyl tert-butyl Ether
Concen: 9.563 ug/l
RT: 2.709 min Scan# 5
Delta R.T. -0.000 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

Tgt Ion: 73 Resp: 14249

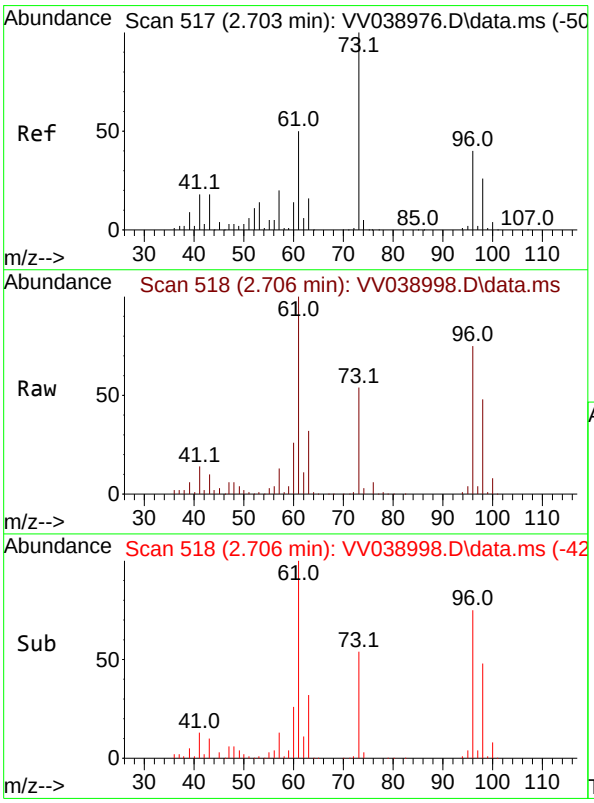
Ion	Ratio	Lower	Upper
73	100		
57	23.5	15.7	23.5



Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025

Manual Integrations
APPROVED

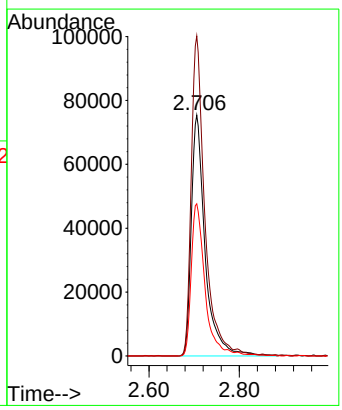
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

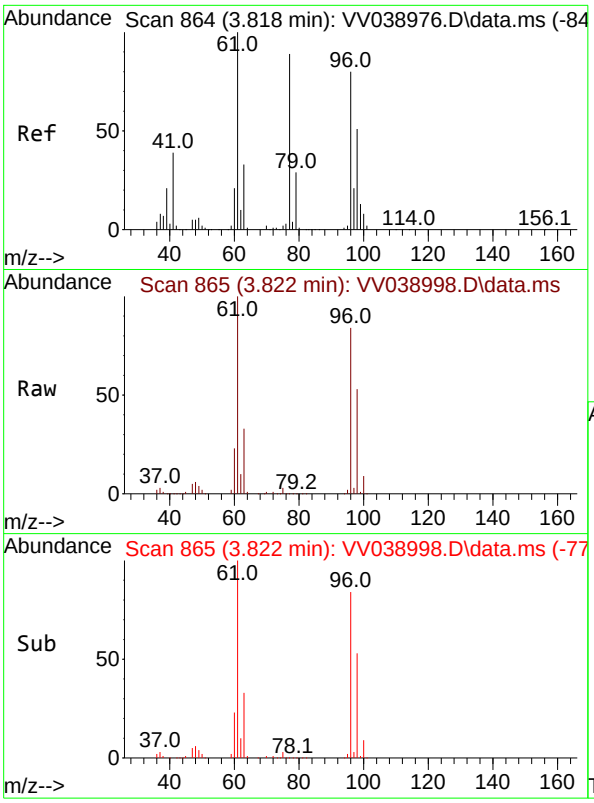


#21
trans-1,2-Dichloroethene
Concen: 30.523 ug/l
RT: 2.706 min Scan# 518
Delta R.T. 0.003 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

Tgt Ion: 96 Resp: 160213

Ion	Ratio	Lower	Upper
96	100		
61	132.9	100.6	151.0
98	63.2	51.5	77.3

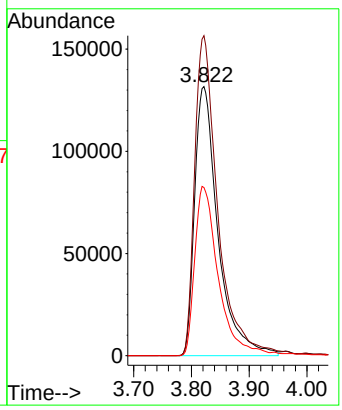




#27
cis-1,2-Dichloroethene
Concen: 58.421 ug/l
RT: 3.822 min Scan# 8
Delta R.T. 0.004 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

Tgt Ion: 96 Resp: 37010

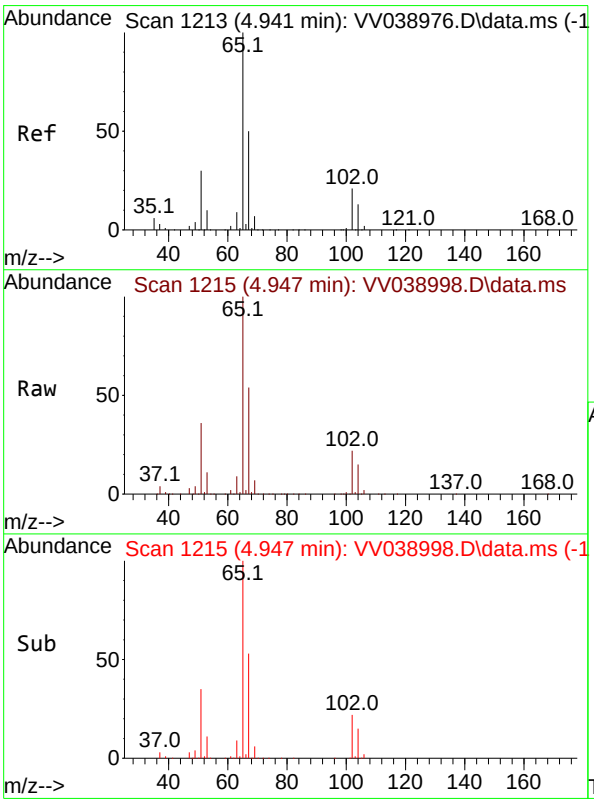
Ion	Ratio	Lower	Upper
96	100		
61	118.4	0.0	264.4
98	63.2	0.0	131.8



Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025

Manual Integrations
APPROVED

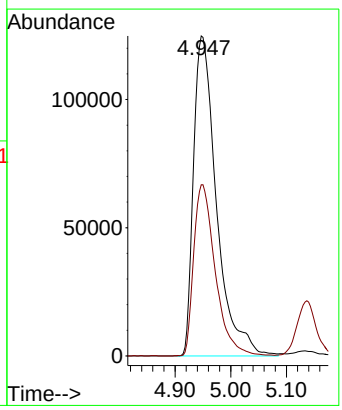
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

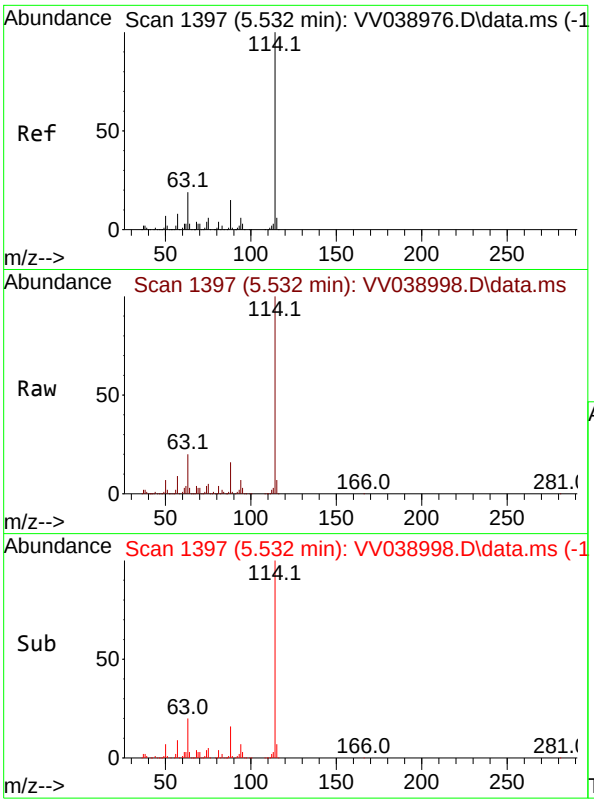


#33
1,2-Dichloroethane-d4
Concen: 57.508 ug/l
RT: 4.947 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

Tgt Ion: 65 Resp: 358309

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	100.4





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

Tgt Ion:114 Resp: 84579

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	37.4
88	16.4	0.0	30.4

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025

Manual Integrations
APPROVED

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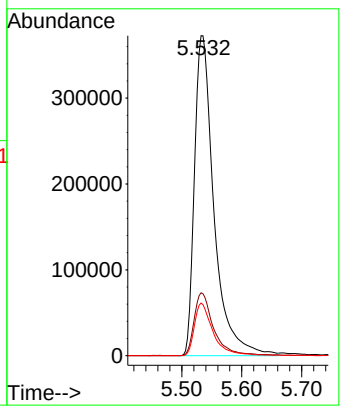
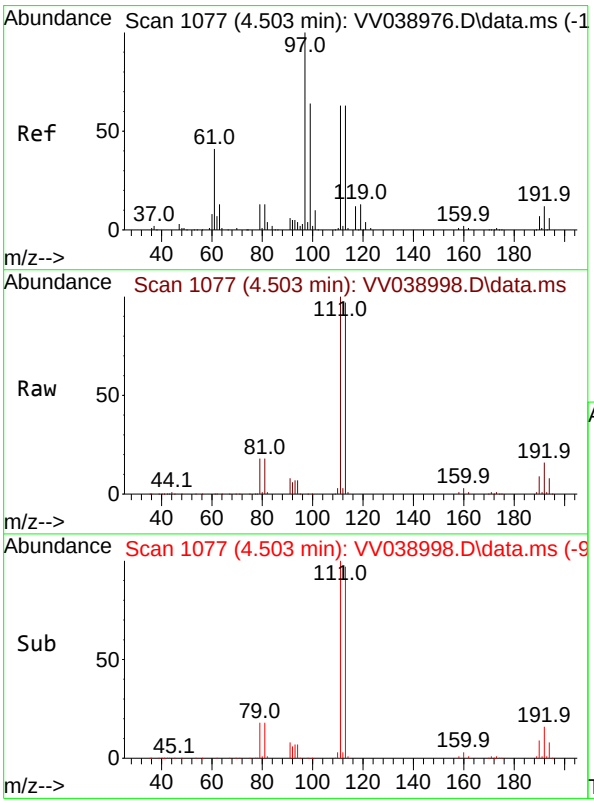
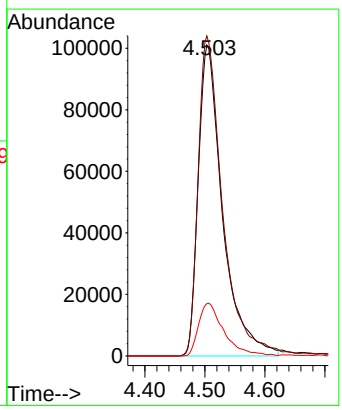


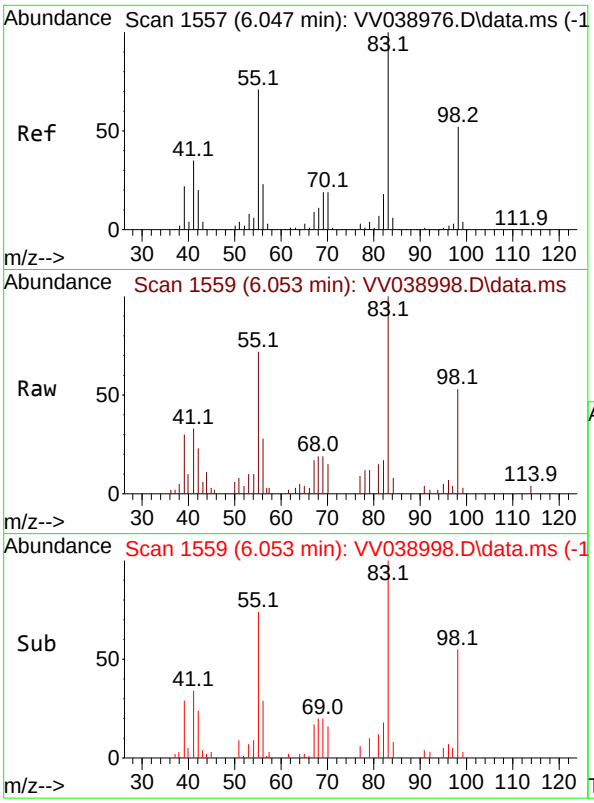


#35
Dibromofluoromethane
Concen: 44.910 ug/l
RT: 4.503 min Scan# 1077
Delta R.T. -0.000 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

Tgt Ion:113 Resp: 284865

Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.3	121.9
192	17.7	15.4	23.0

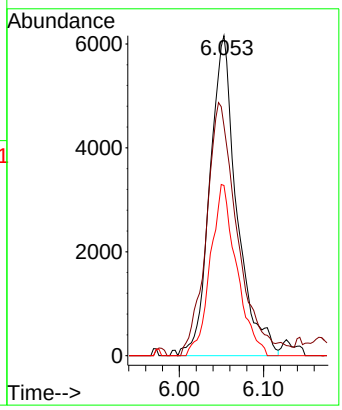




#39
Methylcyclohexane
Concen: 1.301 ug/l
RT: 6.053 min Scan# 1
Delta R.T. 0.006 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

Tgt Ion: 83 Resp: 1368

Ion	Ratio	Lower	Upper
83	100		
55	71.8	57.0	85.6
98	53.2	41.3	61.9



Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025

Manual Integrations
APPROVED

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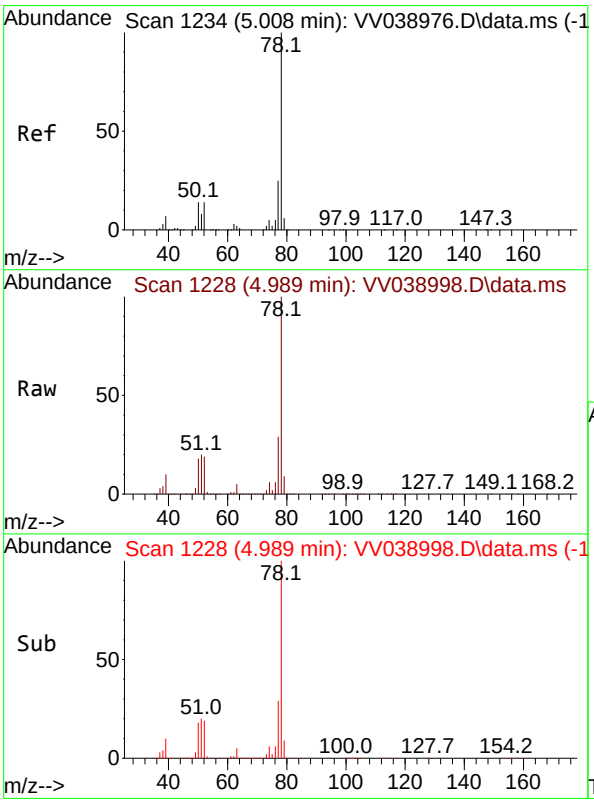
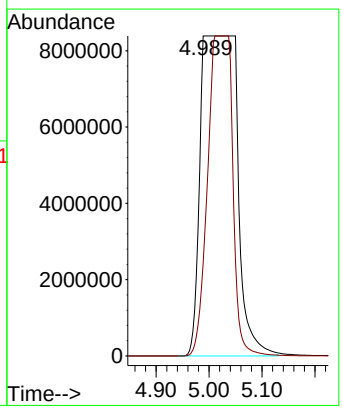
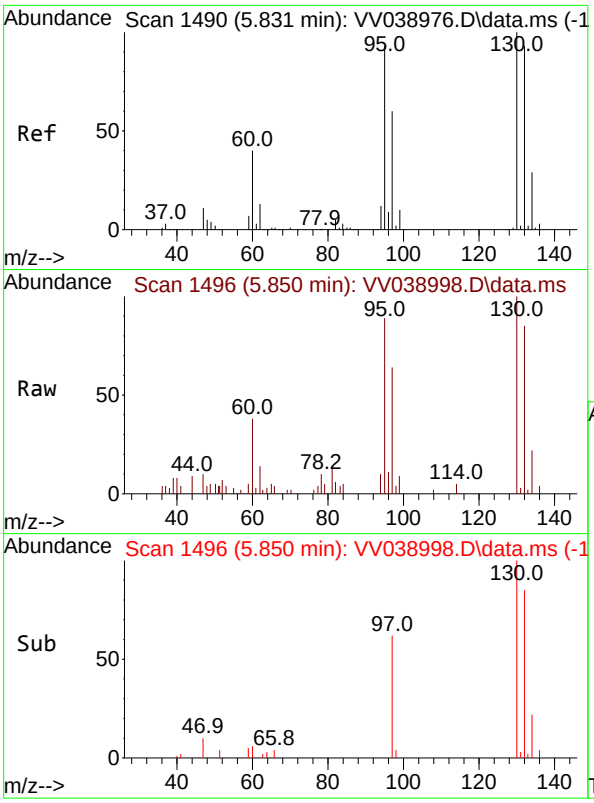


#40
Benzene
Concen: 1574.616 ug/l m
RT: 4.989 min Scan# 1228
Delta R.T. -0.019 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

Tgt Ion: 78 Resp:40625844

Ion	Ratio	Lower	Upper
78	100		
77	29.0	19.6	29.4





#44
Trichloroethene
Concen: 1.908 ug/l
RT: 5.850 min Scan# 14
Delta R.T. 0.019 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

Tgt Ion:130 Resp: 1335

Ion	Ratio	Lower	Upper
130	100		
95	87.0	0.0	186.6

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025

Manual Integrations
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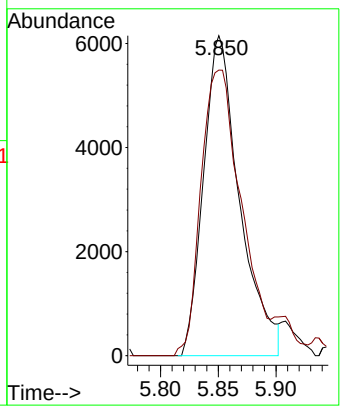
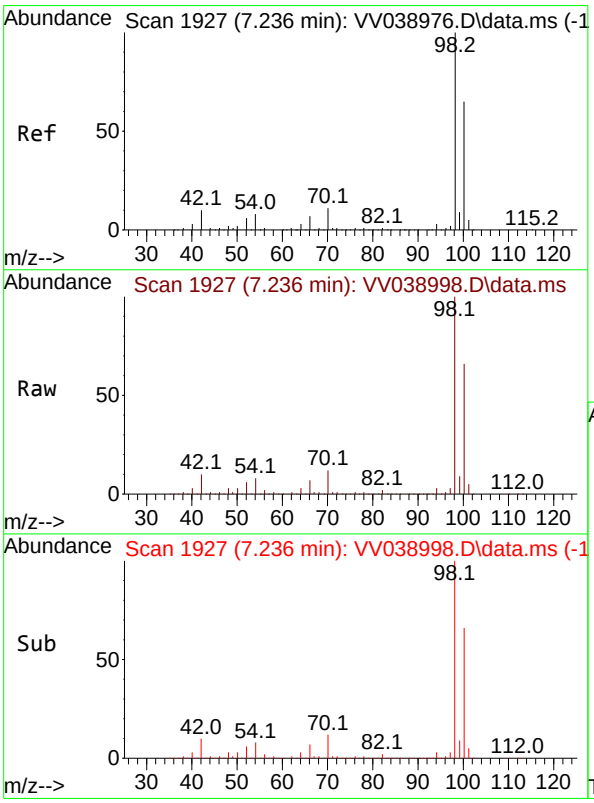
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

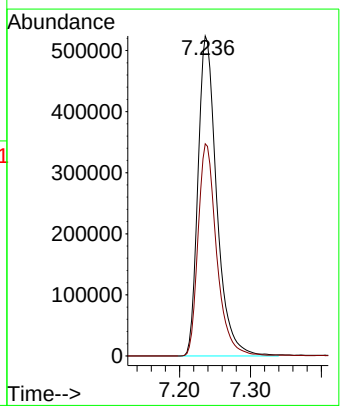


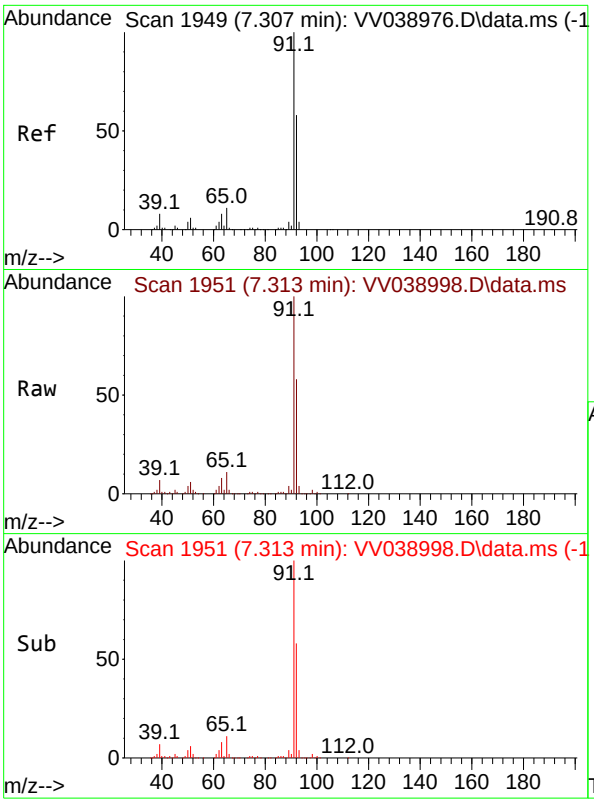


#50
Toluene-d8
Concen: 43.387 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

Tgt Ion: 98 Resp: 959648

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.2	78.2





#52
Toluene
Concen: 13.600 ug/l
RT: 7.313 min Scan# 1
Delta R.T. 0.006 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

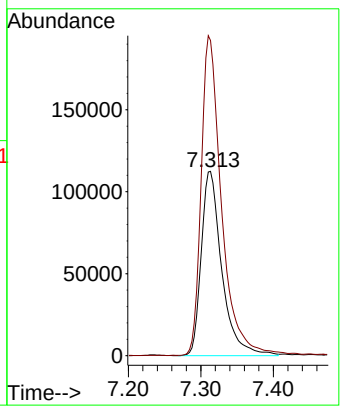
Tgt Ion: 92 Resp: 22222

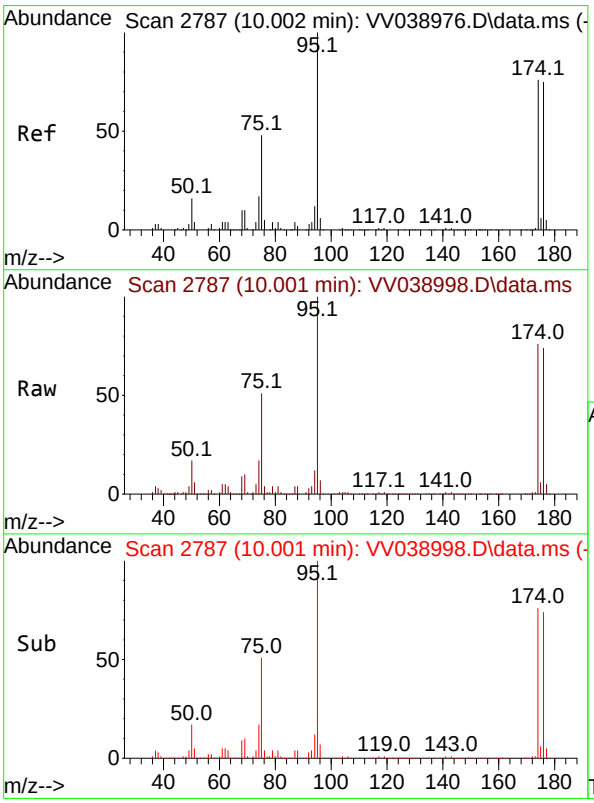
Ion	Ratio	Lower	Upper
92	100		
91	171.4	136.3	204.5

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

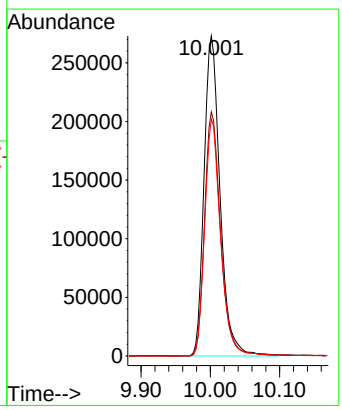


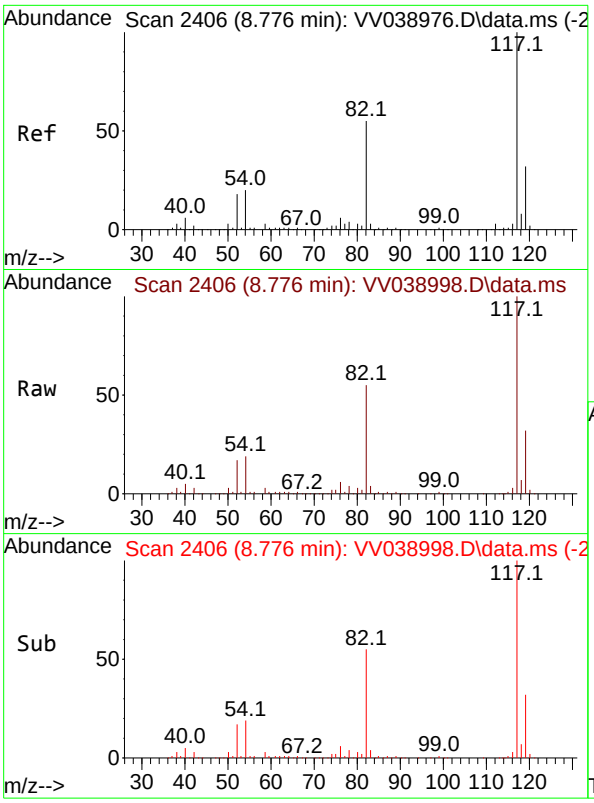


#62
4-Bromofluorobenzene
Concen: 53.972 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. -0.000 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

Tgt Ion: 95 Resp: 436712

Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	154.4
176	73.4	0.0	148.6

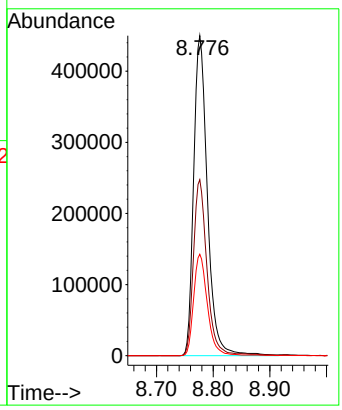




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 24
Delta R.T. 0.000 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

Tgt Ion:117 Resp: 75839

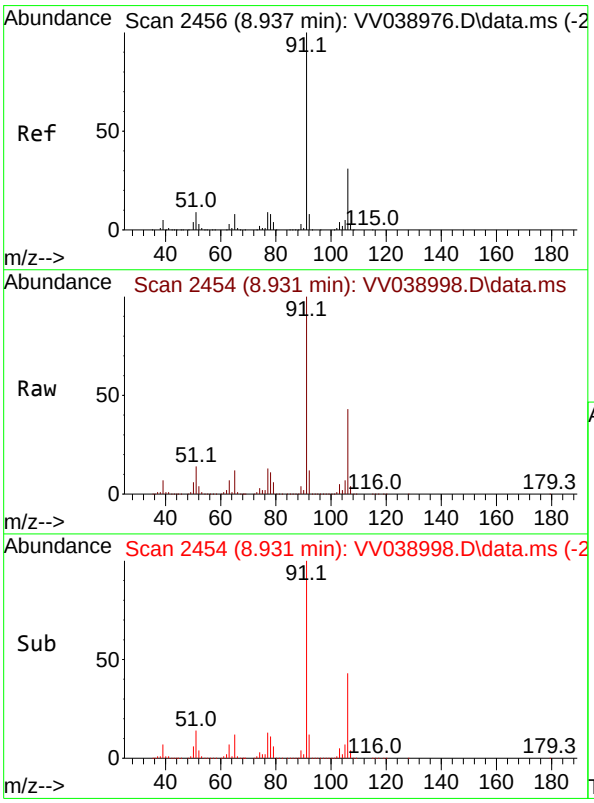
Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.4	66.6
119	31.7	26.0	39.0



Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025

Manual Integrations
APPROVED

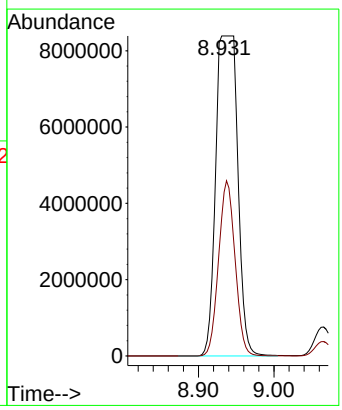
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

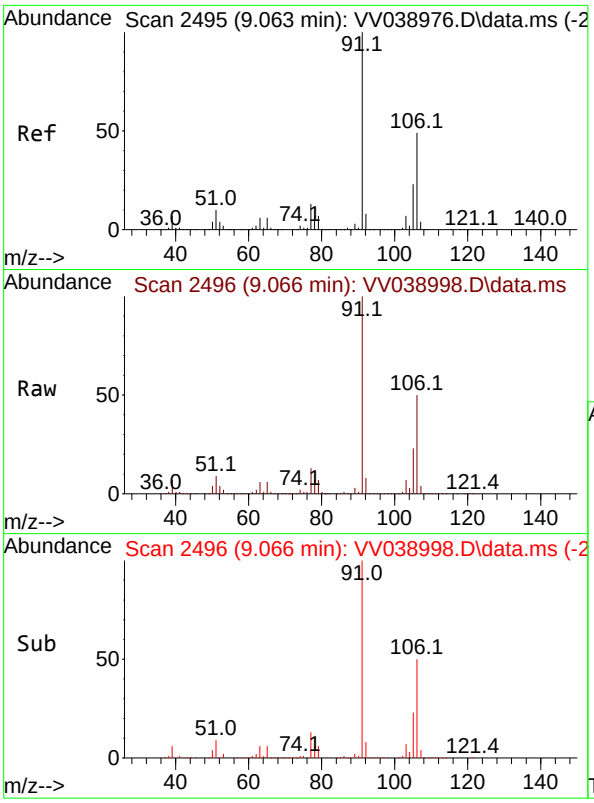


#67
Ethyl Benzene
Concen: 608.544 ug/l m
RT: 8.931 min Scan# 2454
Delta R.T. -0.007 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

Tgt Ion: 91 Resp:16987346

Ion	Ratio	Lower	Upper
91	100		
106	43.2	24.6	36.8#





#68
m/p-Xylenes
Concen: 55.841 ug/l
RT: 9.066 min Scan# 24
Delta R.T. 0.003 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

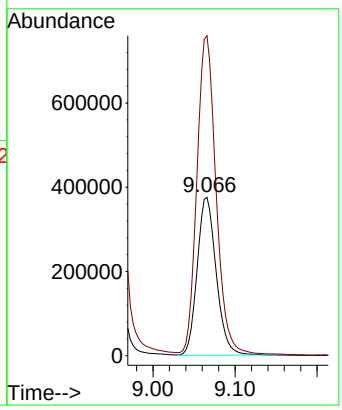
Tgt Ion:106 Resp: 60539

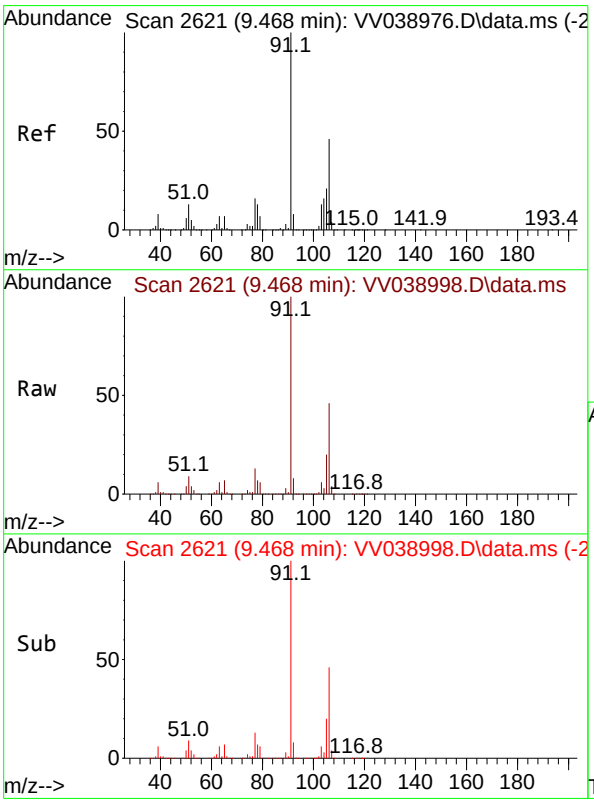
Ion	Ratio	Lower	Upper
106	100		
91	204.6	163.6	245.4

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

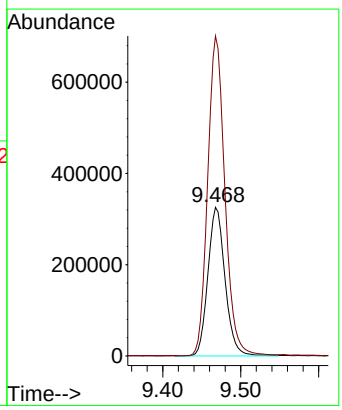


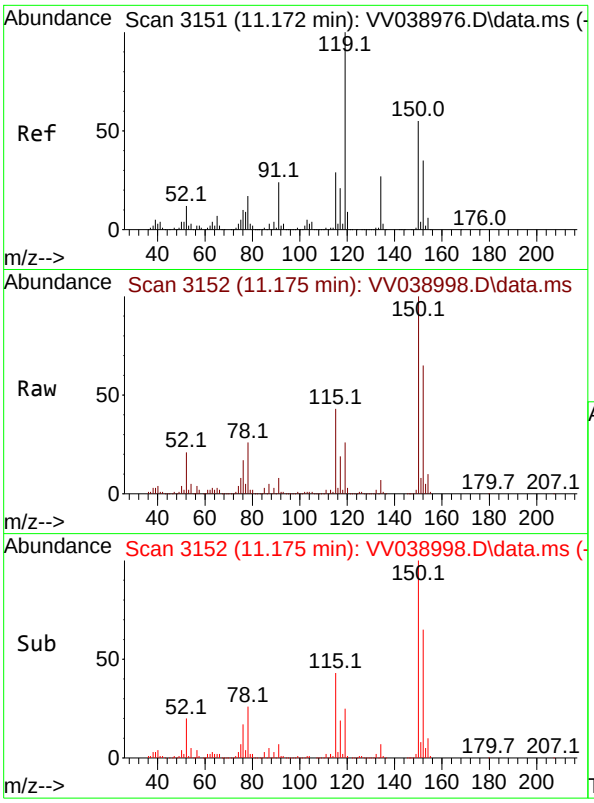


#69
o-Xylene
Concen: 50.387 ug/l
RT: 9.468 min Scan# 2621
Delta R.T. -0.000 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

Tgt Ion:106 Resp: 497892

Ion	Ratio	Lower	Upper
106	100		
91	216.0	108.0	324.0

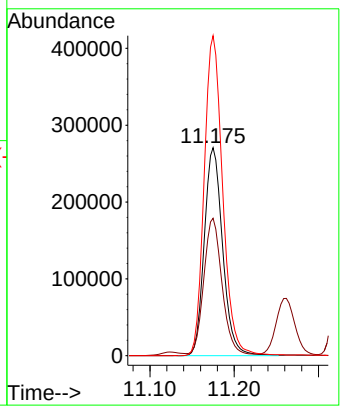




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.175 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

Tgt Ion:152 Resp: 41156

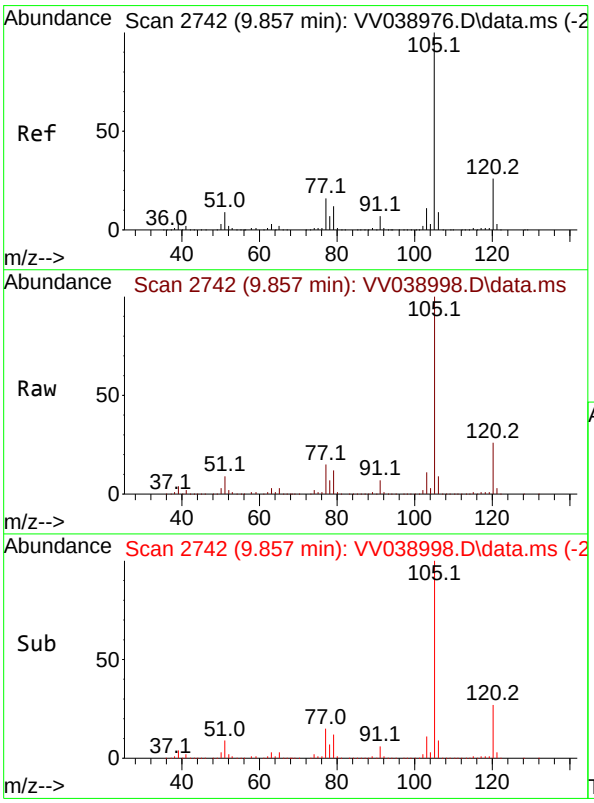
Ion	Ratio	Lower	Upper
152	100		
115	63.7	42.5	127.5
150	155.1	0.0	344.8



Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025

Manual Integrations
APPROVED

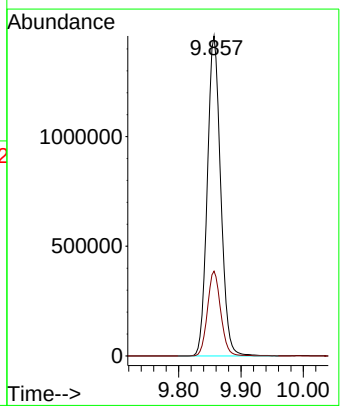
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

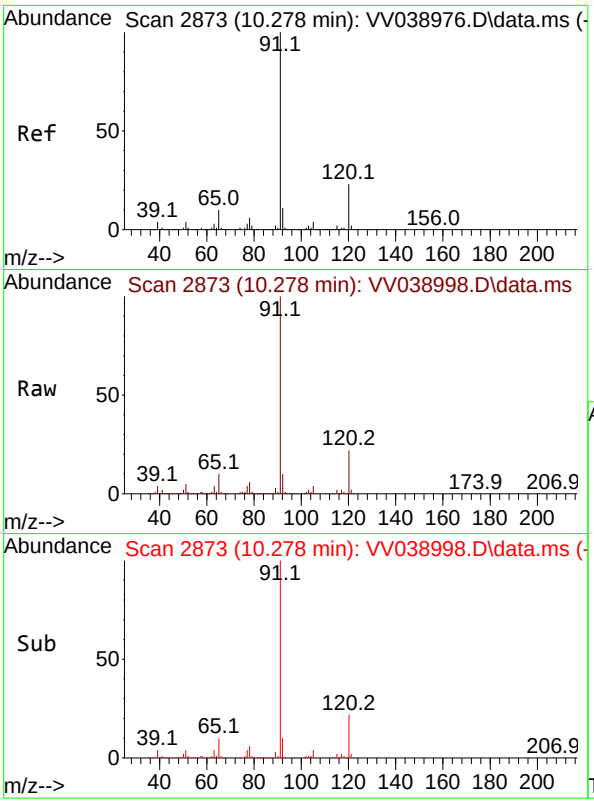


#73
Isopropylbenzene
Concen: 78.656 ug/l
RT: 9.857 min Scan# 2742
Delta R.T. -0.000 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

Tgt Ion:105 Resp: 2172226

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.1	39.1





#78
n-propylbenzene
Concen: 22.074 ug/l
RT: 10.278 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

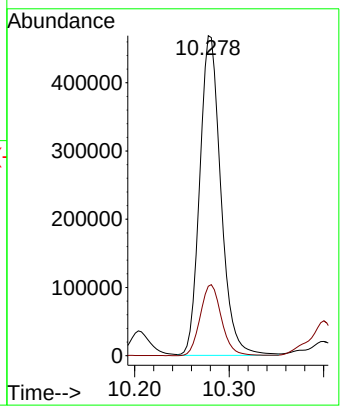
Tgt Ion: 91 Resp: 72785

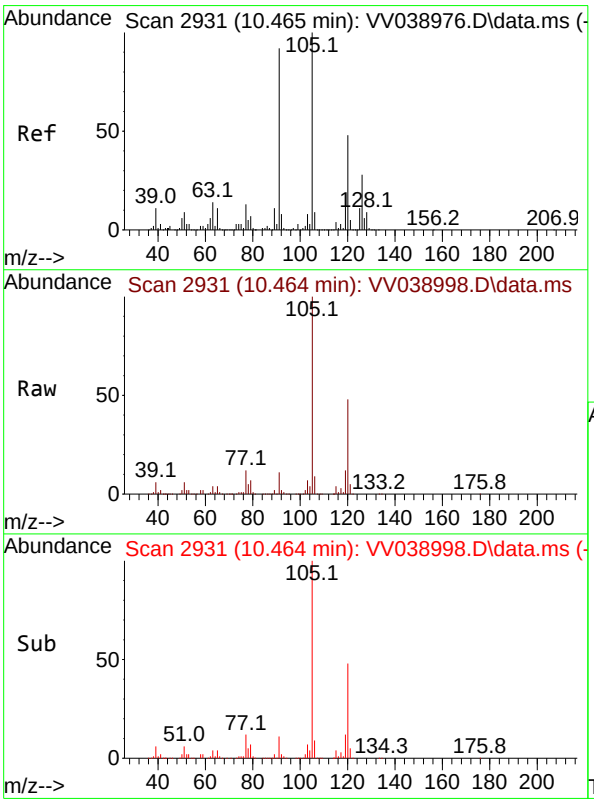
Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.5	34.4

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

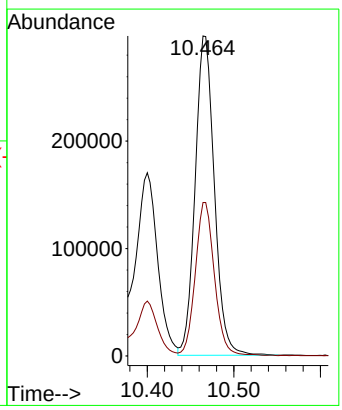


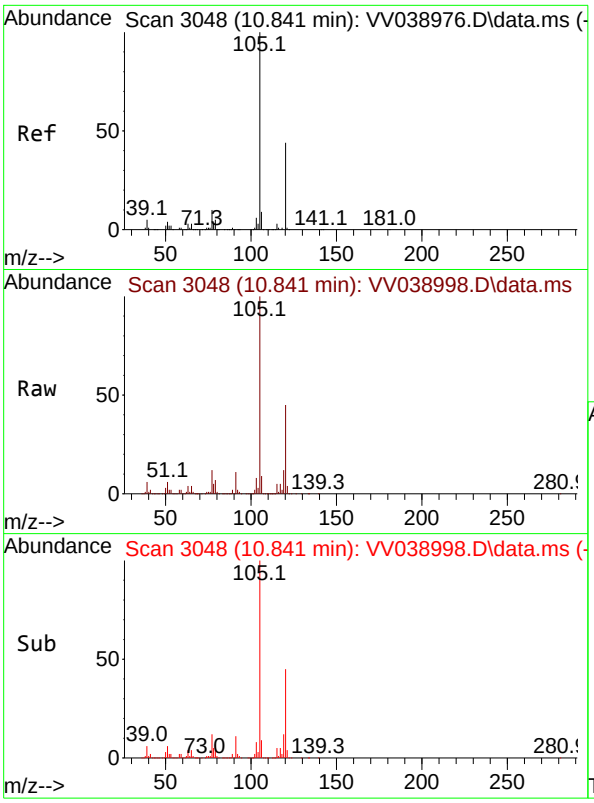


#80
1,3,5-Trimethylbenzene
Concen: 19.712 ug/l
RT: 10.464 min Scan# 2931
Delta R.T. -0.000 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

Tgt Ion:105 Resp: 458126

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.9	71.7

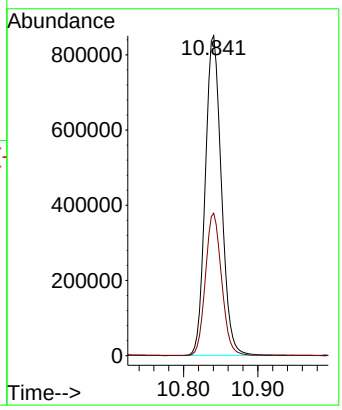




#84
1,2,4-Trimethylbenzene
Concen: 57.438 ug/l
RT: 10.841 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

Tgt Ion:105 Resp: 127748

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.8	68.3



Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Sample Results: **VV038998.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038998.D
Acq On : 21 Aug 2025 21:49
Operator : SY/MD
Sample : Q2924-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025

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_V\Method\82V082125W.M
Title : SW846 8260

Signal : TIC: VV038998.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.201	40	50	71	rBV	7593732	18359391	7.70%	2.423%
2	5.027	1218	1240	1295	rVB5	85967295	238312512	100.00%	31.458%
3	7.236	1917	1927	1942	rBV	1361609	2455708	1.03%	0.324%
4	8.937	2443	2456	2480	rBV2	31235624	48238347	20.24%	6.368%
5	9.066	2481	2496	2522	rVB	2130997	3551236	1.49%	0.469%
6	9.468	2611	2621	2645	rVB	1901427	2903298	1.22%	0.383%
7	9.857	2729	2742	2767	rBV	3520709	5319925	2.23%	0.702%
8	10.664	2981	2993	3020	rBV	1579188	2490448	1.05%	0.329%
9	10.841	3032	3048	3064	rBV2	2371792	4115911	1.73%	0.543%
10	11.175	3142	3152	3167	rVB2	1930334	2979585	1.25%	0.393%
11	11.262	3167	3179	3191	rBV	4942409	7465130	3.13%	0.985%
12	11.464	3225	3242	3263	rBV4	87449284	154562914	64.86%	20.403%
13	11.667	3296	3305	3321	rVB	3717330	5548295	2.33%	0.732%
14	12.040	3410	3421	3441	rVV	2418848	3743863	1.57%	0.494%
15	12.648	3598	3610	3630	rBV	6172201	9098025	3.82%	1.201%
16	12.808	3646	3660	3670	rBV2	7150778	10678165	4.48%	1.410%
17	12.873	3670	3680	3695	rVB	2959903	4452133	1.87%	0.588%
18	12.976	3700	3712	3733	rVB2	7750135	12845442	5.39%	1.696%
19	13.439	3835	3856	3877	rBV2	82973637	164392534	68.98%	21.700%
20	14.554	4193	4203	4230	rVB	13105029	20319698	8.53%	2.682%
21	14.737	4248	4260	4295	rVB	20056593	31383917	13.17%	4.143%
22	16.403	4765	4778	4801	rBV	2737608	4341492	1.82%	0.573%

Sum of corrected areas: 757557969

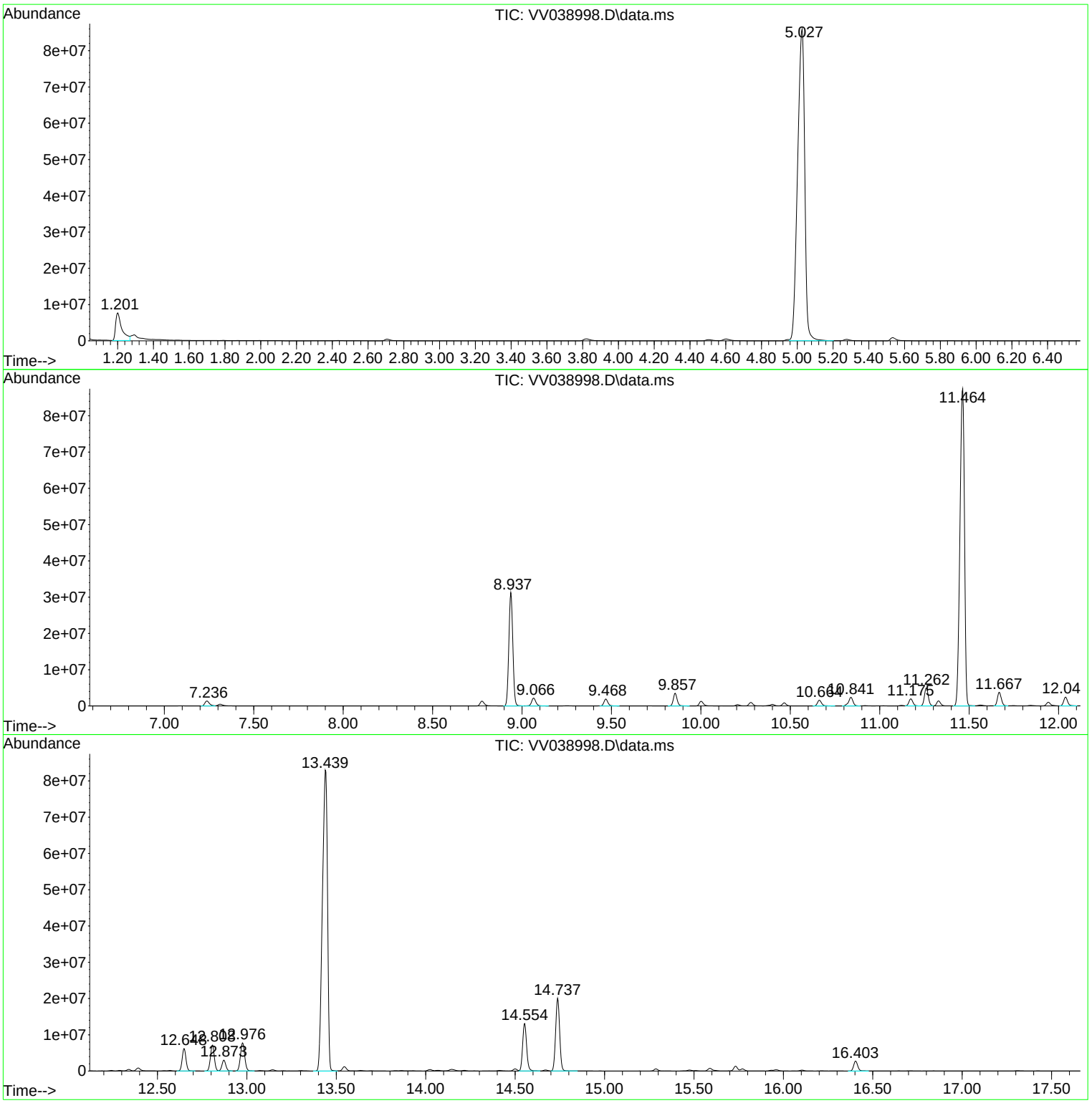
Sample Results: **VV038998.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038998.D
Acq On : 21 Aug 2025 21:49
Operator : SY/MD
Sample : Q2924-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038998.D
Acq On : 21 Aug 2025 21:49
Operator : SY/MD
Sample : Q2924-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

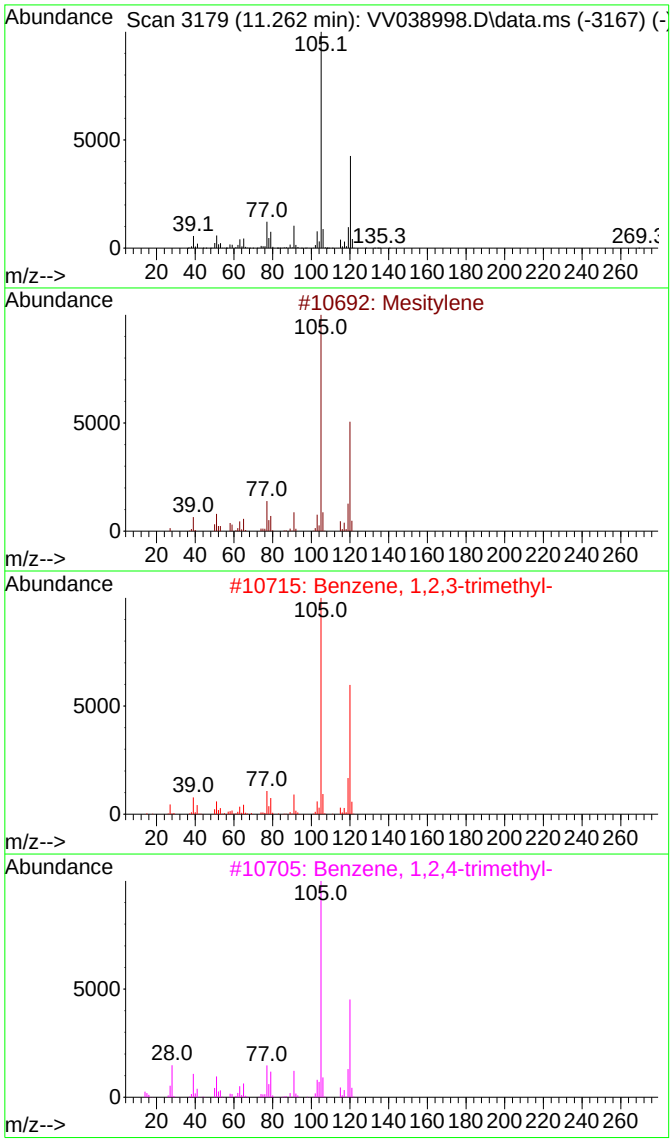
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

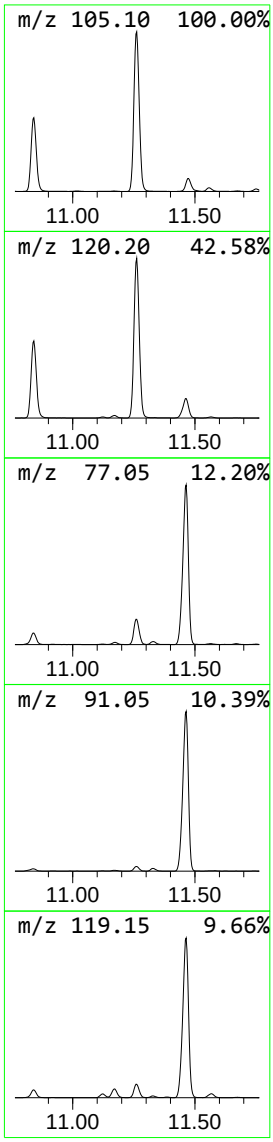
****

Peak Number 1 Benzene, 1,2,3-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.262	125.27 ug/l	7465130	1,4-Dichlorobenzene-d4	11.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Sample Results: **VV038998.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038998.D
Acq On : 21 Aug 2025 21:49
Operator : SY/MD
Sample : Q2924-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

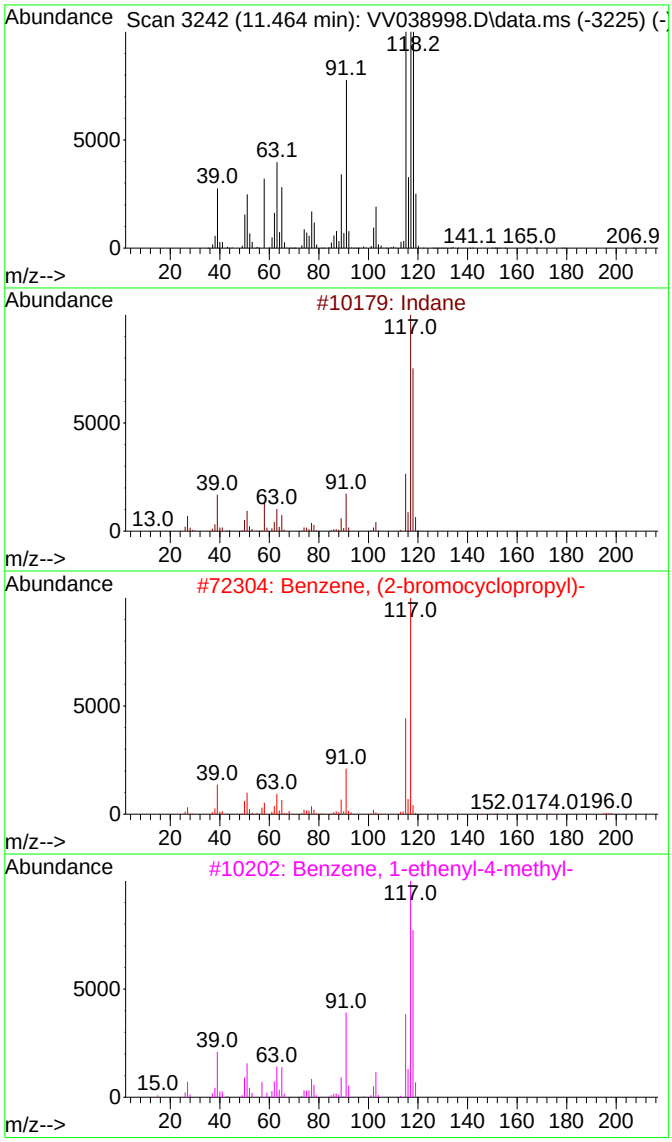
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

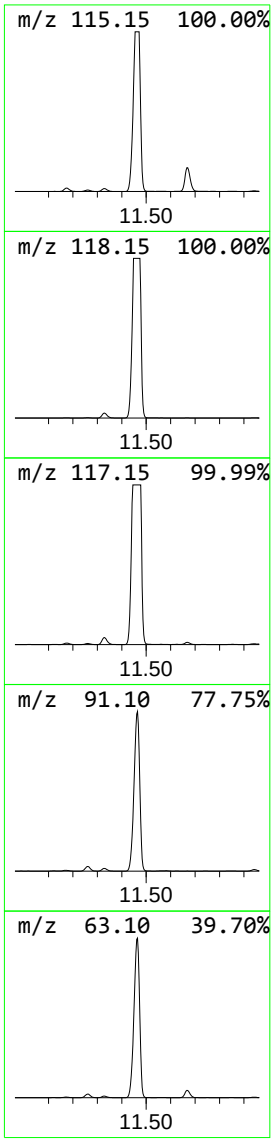
****

Peak Number 2 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.464	2593.70 ug/l	154563000	1,4-Dichlorobenzene-d4	11.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	83
2	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	52
3	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	50
4	1H-Indazole	118	C7H6N2	000271-44-3	46
5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038998.D
Acq On : 21 Aug 2025 21:49
Operator : SY/MD
Sample : Q2924-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

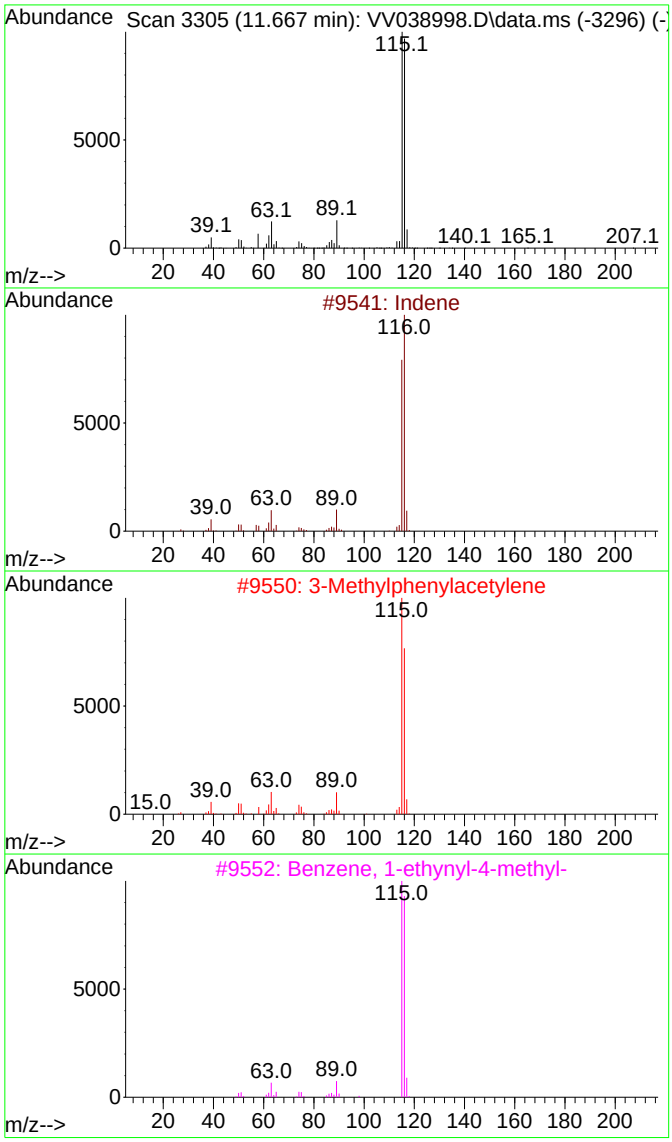
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

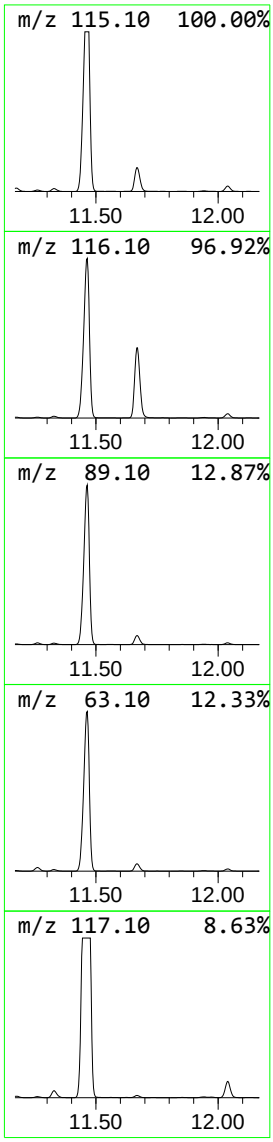
****

Peak Number 3 Indene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.667	93.11 ug/l	5548300	1,4-Dichlorobenzene-d4	11.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
3	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038998.D
Acq On : 21 Aug 2025 21:49
Operator : SY/MD
Sample : Q2924-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025

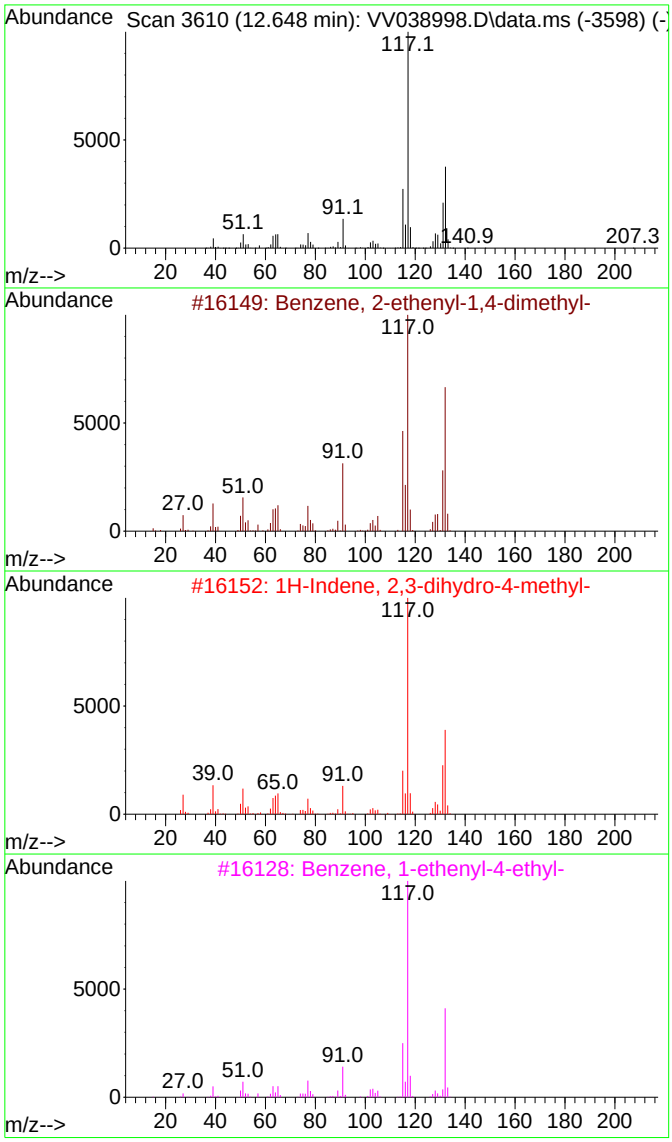
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

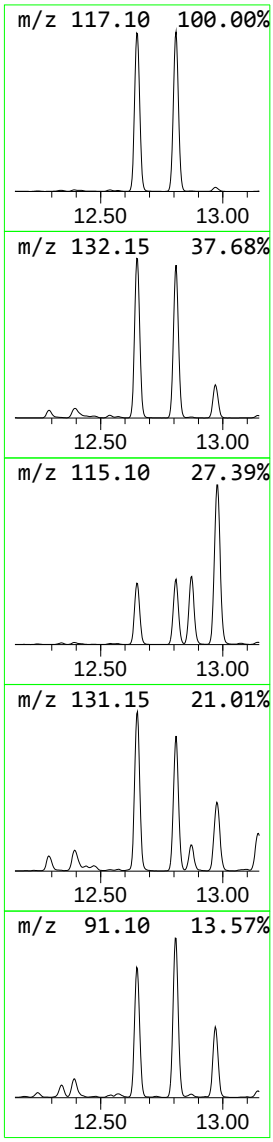
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.648	152.67 ug/l	9098030	1,4-Dichlorobenzene-d4	11.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	95
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	91
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038998.D
Acq On : 21 Aug 2025 21:49
Operator : SY/MD
Sample : Q2924-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025

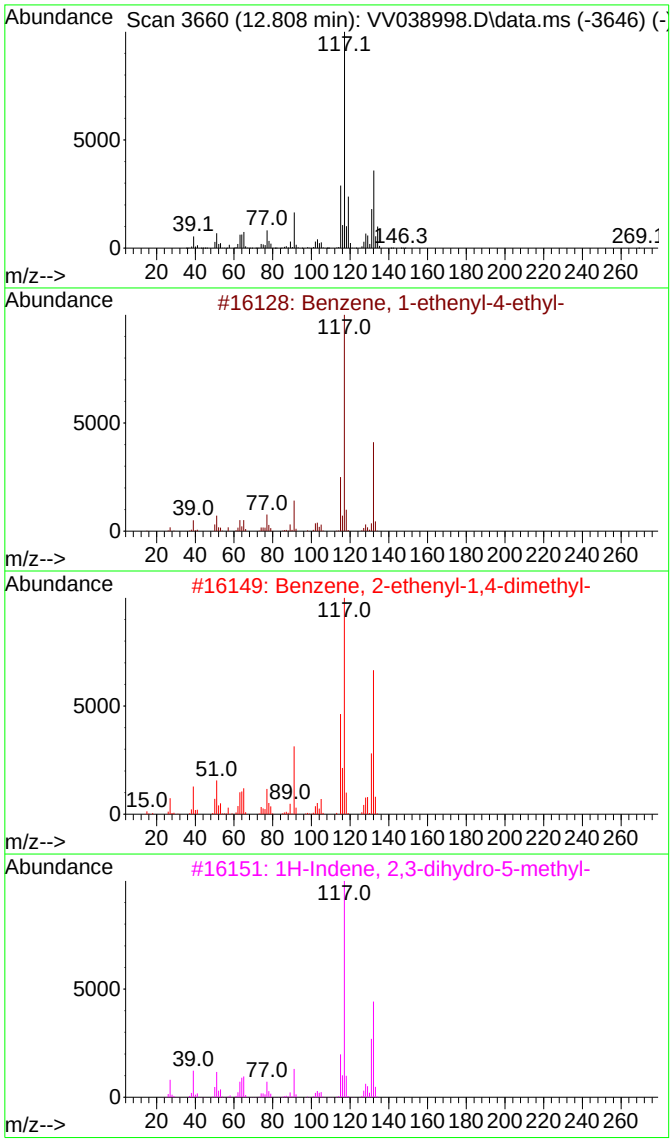
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

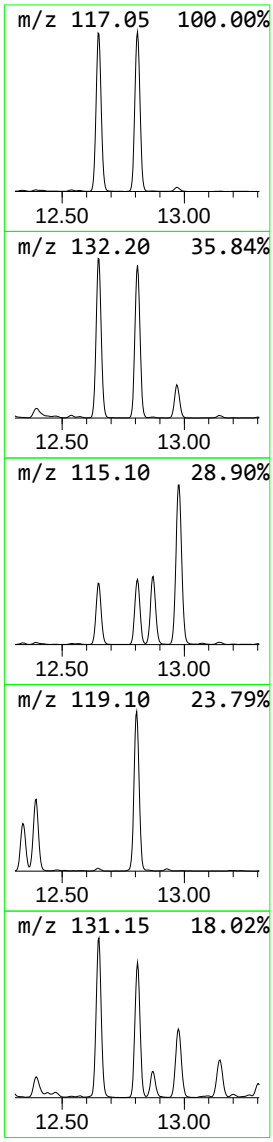
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.808	179.19 ug/l	10678200	1,4-Dichlorobenzene-d4	11.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87





Sample Results: **VV038998.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038998.D
Acq On : 21 Aug 2025 21:49
Operator : SY/MD
Sample : Q2924-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

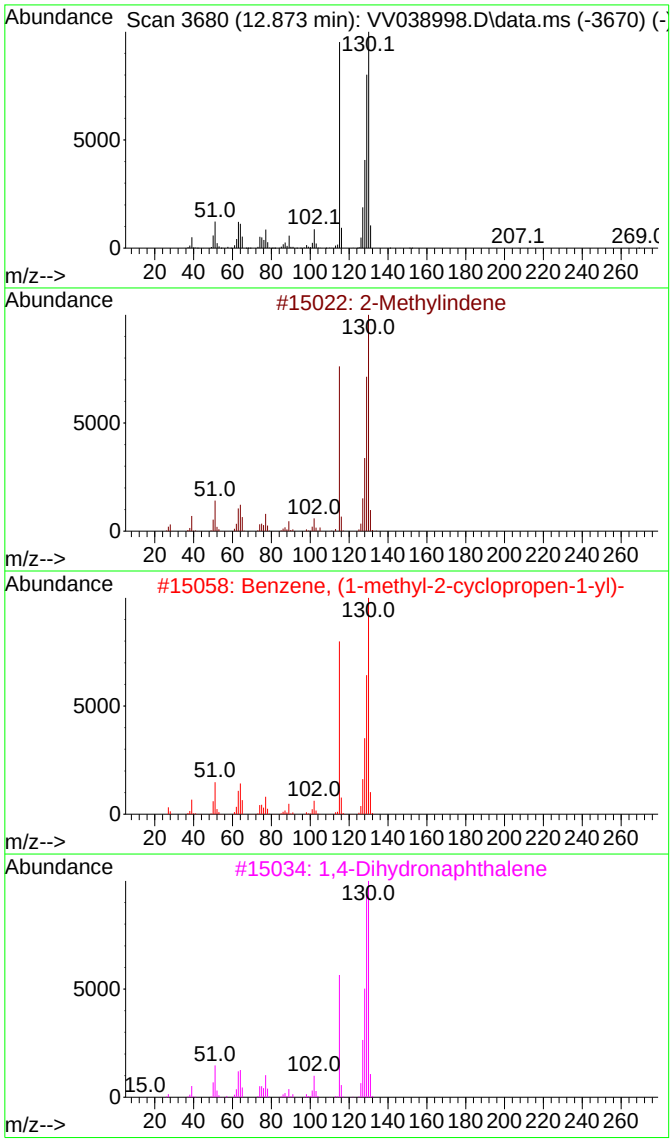
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

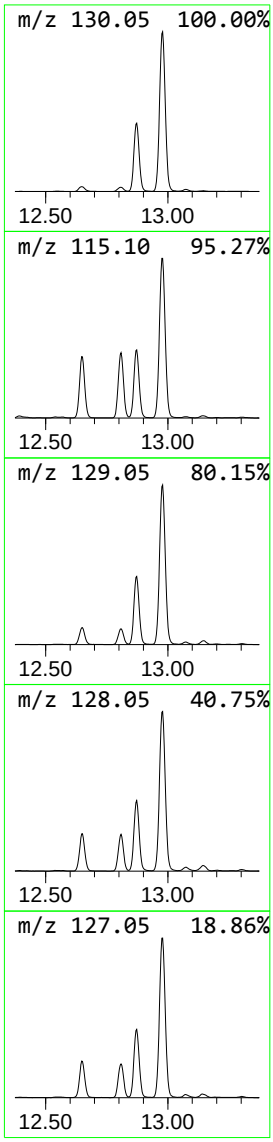
****

Peak Number 6 2-Methylindene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.873	74.71 ug/l	4452130	1,4-Dichlorobenzene-d4	11.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	97
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	95
3	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038998.D
Acq On : 21 Aug 2025 21:49
Operator : SY/MD
Sample : Q2924-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025

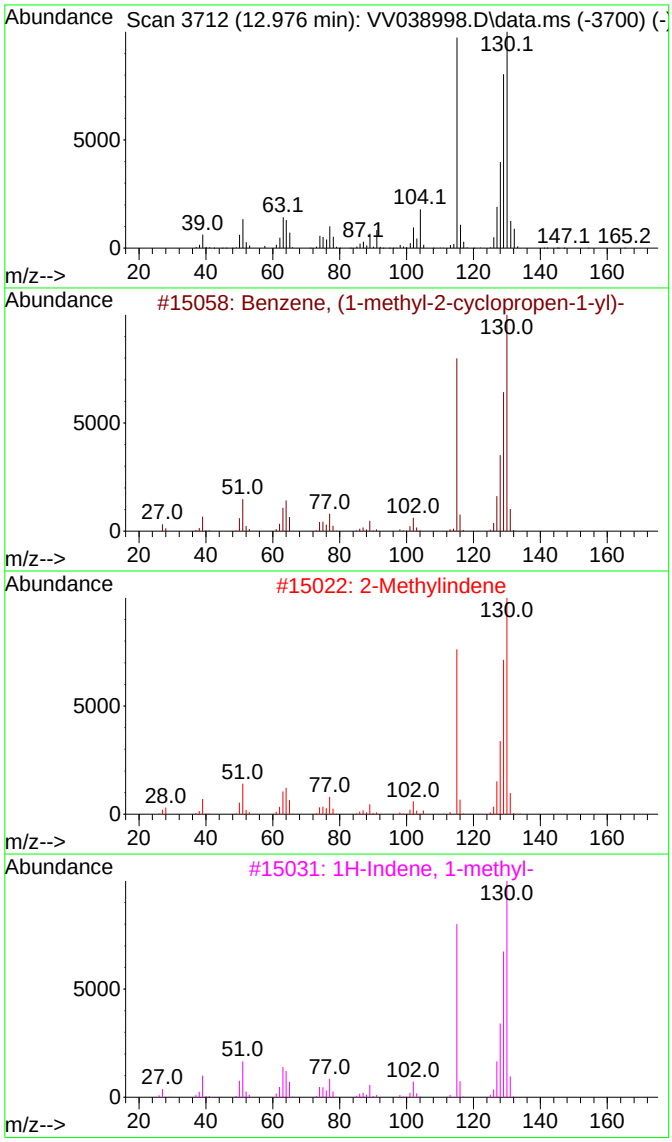
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

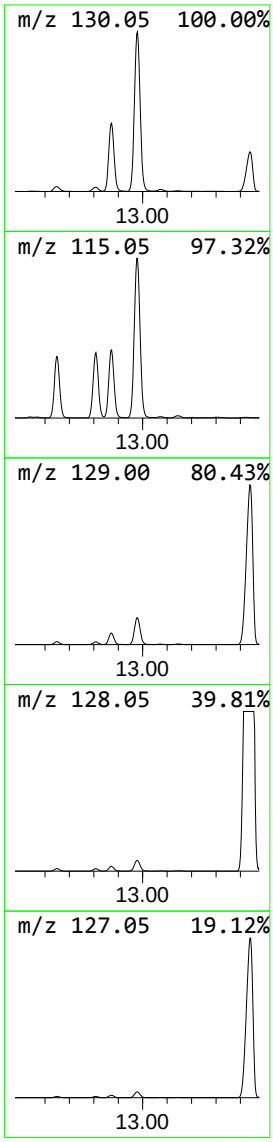
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, (1-methyl-2-cyclop... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.976	215.56 ug/l	12845400	1,4-Dichlorobenzene-d4	11.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	96
2	2-Methylindene	130	C10H10	002177-47-1	96
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	95
5	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	94





Sample Results: **VV038998.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038998.D
Acq On : 21 Aug 2025 21:49
Operator : SY/MD
Sample : Q2924-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.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
Benzene, 1,2,3-...	11.262	125.3	ug/l	7465130	4	11.175	2979590	50.0
Indane	11.464	2593.7	ug/l	154563000	4	11.175	2979590	50.0
Indene	11.667	93.1	ug/l	5548300	4	11.175	2979590	50.0
Benzene, 2-ethe...	12.648	152.7	ug/l	9098030	4	11.175	2979590	50.0
Benzene, 1-ethe...	12.808	179.2	ug/l	10678200	4	11.175	2979590	50.0
2-Methylindene	12.873	74.7	ug/l	4452130	4	11.175	2979590	50.0
Benzene, (1-met...	12.976	215.6	ug/l	12845400	4	11.175	2979590	50.0

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-2B-082025DL	SDG No.:	Q2924
Lab Sample ID:	Q2924-05DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039014.D	20	08/22/25 13:48	VV082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	100	UD	4.40	100	ug/L
74-87-3	Chloromethane	100	UD	6.40	100	ug/L
75-01-4	Vinyl Chloride	100	UD	5.20	100	ug/L
74-83-9	Bromomethane	100	UD	28.8	100	ug/L
75-00-3	Chloroethane	100	UD	9.40	100	ug/L
75-69-4	Trichlorofluoromethane	100	UD	6.60	100	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	100	UD	5.00	100	ug/L
75-35-4	1,1-Dichloroethene	100	UD	4.60	100	ug/L
67-64-1	Acetone	500	UD	30.2	500	ug/L
75-15-0	Carbon Disulfide	100	UD	4.20	100	ug/L
1634-04-4	Methyl tert-butyl Ether	100	UDQ	3.20	100	ug/L
79-20-9	Methyl Acetate	100	UDQ	5.40	100	ug/L
75-09-2	Methylene Chloride	100	UD	5.60	100	ug/L
156-60-5	trans-1,2-Dichloroethene	30.5	JDQ	4.60	100	ug/L
75-34-3	1,1-Dichloroethane	100	UD	4.60	100	ug/L
110-82-7	Cyclohexane	100	UD	29.0	100	ug/L
78-93-3	2-Butanone	500	UD	19.6	500	ug/L
56-23-5	Carbon Tetrachloride	100	UD	5.00	100	ug/L
156-59-2	cis-1,2-Dichloroethene	47.2	JD	3.80	100	ug/L
74-97-5	Bromochloromethane	100	UDQ	4.40	100	ug/L
67-66-3	Chloroform	100	UD	5.00	100	ug/L
71-55-6	1,1,1-Trichloroethane	100	UD	4.00	100	ug/L
108-87-2	Methylcyclohexane	100	UD	3.20	100	ug/L
71-43-2	Benzene	5100	ED	3.00	100	ug/L
107-06-2	1,2-Dichloroethane	100	UD	4.40	100	ug/L
79-01-6	Trichloroethene	100	UD	1.90	100	ug/L
78-87-5	1,2-Dichloropropane	100	UD	4.00	100	ug/L
75-27-4	Bromodichloromethane	100	UD	4.40	100	ug/L
108-10-1	4-Methyl-2-Pentanone	500	UD	13.6	500	ug/L
108-88-3	Toluene	100	UD	2.80	100	ug/L

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-2B-082025DL	SDG No.:	Q2924
Lab Sample ID:	Q2924-05DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039014.D	20	08/22/25 13:48	VV082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	100	UD	3.40	100	ug/L
10061-01-5	cis-1,3-Dichloropropene	100	UD	3.20	100	ug/L
79-00-5	1,1,2-Trichloroethane	100	UD	4.20	100	ug/L
591-78-6	2-Hexanone	500	UD	17.8	500	ug/L
124-48-1	Dibromochloromethane	100	UD	3.60	100	ug/L
106-93-4	1,2-Dibromoethane	100	UD	3.00	100	ug/L
127-18-4	Tetrachloroethene	100	UD	4.60	100	ug/L
108-90-7	Chlorobenzene	100	UD	2.40	100	ug/L
100-41-4	Ethyl Benzene	680	D	2.60	100	ug/L
179601-23-1	m/p-Xylenes	49.5	JD	4.80	200	ug/L
95-47-6	o-Xylene	42.5	JD	2.40	100	ug/L
100-42-5	Styrene	100	UD	3.00	100	ug/L
75-25-2	Bromoform	100	UD	3.80	100	ug/L
98-82-8	Isopropylbenzene	66.0	JD	2.40	100	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	100	UD	5.20	100	ug/L
541-73-1	1,3-Dichlorobenzene	100	UD	3.20	100	ug/L
106-46-7	1,4-Dichlorobenzene	100	UD	3.80	100	ug/L
95-50-1	1,2-Dichlorobenzene	100	UD	3.20	100	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	100	UD	10.6	100	ug/L
120-82-1	1,2,4-Trichlorobenzene	100	UD	4.00	100	ug/L
87-61-6	1,2,3-Trichlorobenzene	100	UD	4.00	100	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.7		74 - 125	103%	SPK: 50
1868-53-7	Dibromofluoromethane	43.5		75 - 124	87%	SPK: 50
2037-26-5	Toluene-d8	43.7		86 - 113	87%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.5		77 - 121	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	617000	4.603			
540-36-3	1,4-Difluorobenzene	1160000	5.532			
3114-55-4	Chlorobenzene-d5	1030000	8.776			
3855-82-1	1,4-Dichlorobenzene-d4	477000	11.172			

Raw Data: **VV039014.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-2B-082025DL	SDG No.:	Q2924
Lab Sample ID:	Q2924-05DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039014.D	20	08/22/25 13:48	VV082225

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_V\DATA\VV082225\
Data File : VV039014.D
Acq On : 22 Aug 2025 13:48
Operator : SY/MD
Sample : Q2924-05DL 20X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025DL

Quant Time: Aug 25 02:22:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

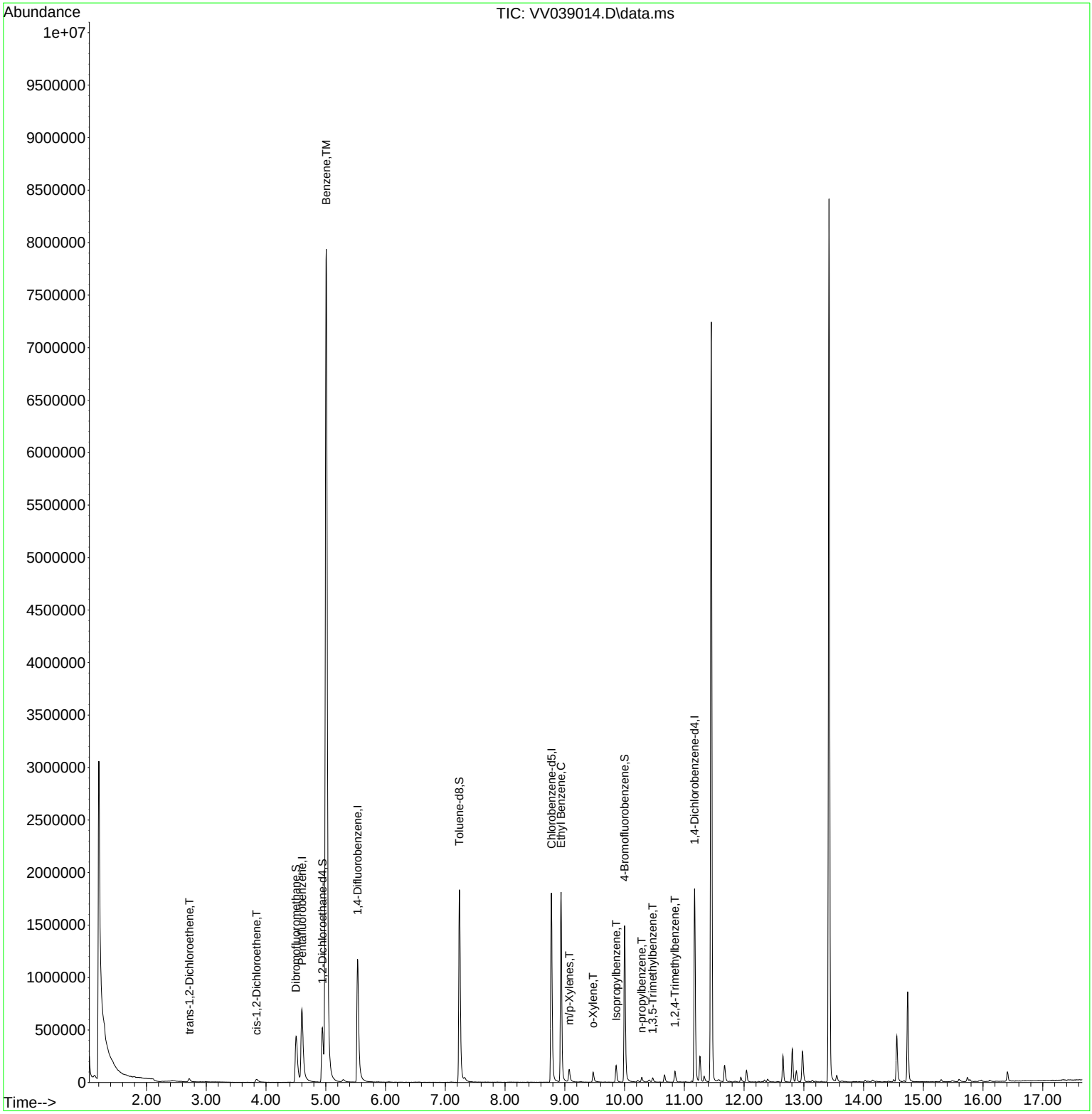
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.603	168	617177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1163830	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	1033790	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	477379	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	447639	51.690	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 103.380%			
35) Dibromofluoromethane	4.503	113	379604	43.492	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 86.980%			
50) Toluene-d8	7.236	98	1331403	43.745	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 87.500%#			
62) 4-Bromofluorobenzene	10.001	95	528449	47.462	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 94.920%			
Target Compounds						Qvalue
21) trans-1,2-Dichloroethene	2.719	96	11132	1.526	ug/l	89
27) cis-1,2-Dichloroethene	3.841	96	20792	2.361	ug/l	98
40) Benzene	5.008	78	9028696	254.315	ug/l	100
67) Ethyl Benzene	8.937	91	1287476	33.835	ug/l	100
68) m/p-Xylenes	9.075	106	36612	2.477	ug/l	81
69) o-Xylene	9.474	106	28600	2.123	ug/l	96
73) Isopropylbenzene	9.860	105	105645	3.298	ug/l	100
78) n-propylbenzene	10.288	91	38622	1.010	ug/l	97
80) 1,3,5-Trimethylbenzene	10.471	105	24104	0.894	ug/l	94
84) 1,2,4-Trimethylbenzene	10.844	105	57118	2.214	ug/l	98

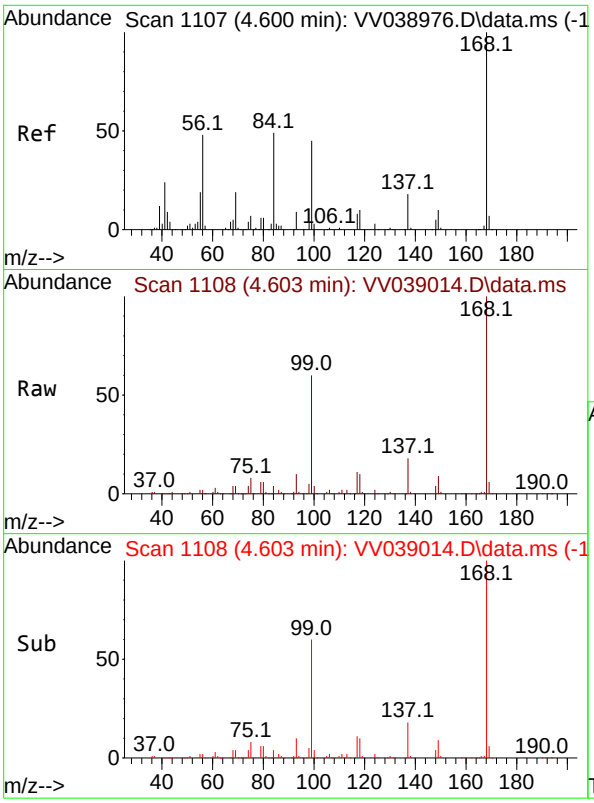
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082225\
Data File : VV039014.D
Acq On : 22 Aug 2025 13:48
Operator : SY/MD
Sample : Q2924-05DL 20X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025DL

Quant Time: Aug 25 02:22:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration



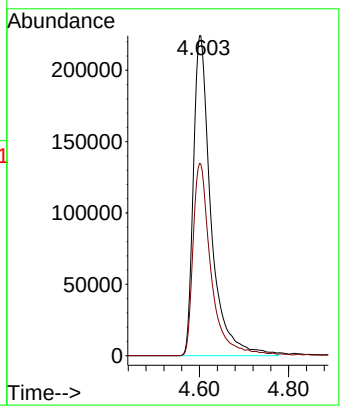


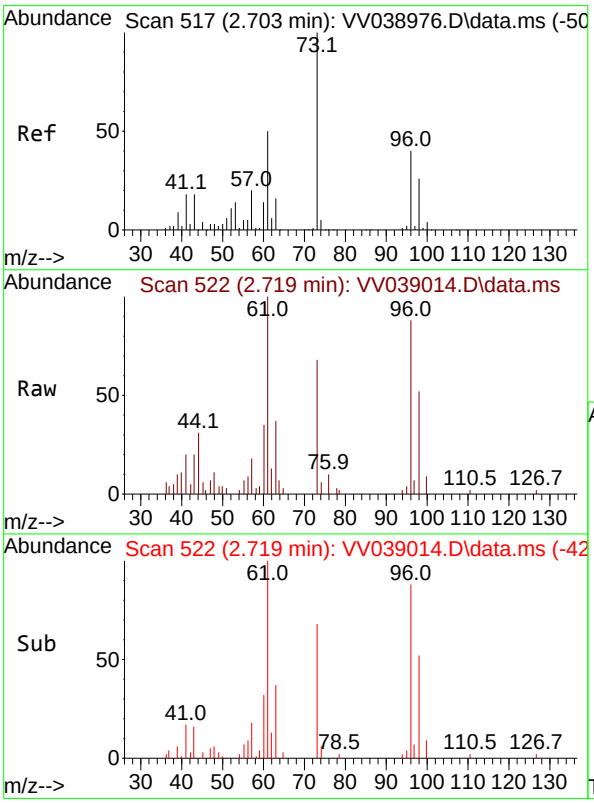
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.603 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV039014.D
Acq: 22 Aug 2025 13:48

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025DL

Tgt Ion:168 Resp: 617177

Ion	Ratio	Lower	Upper
168	100		
99	60.0	47.0	70.6

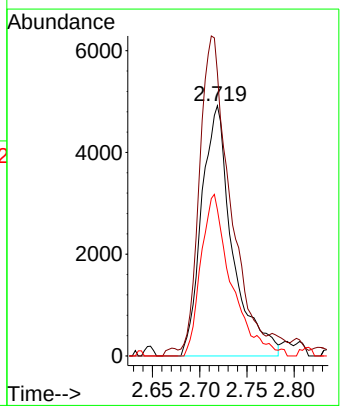


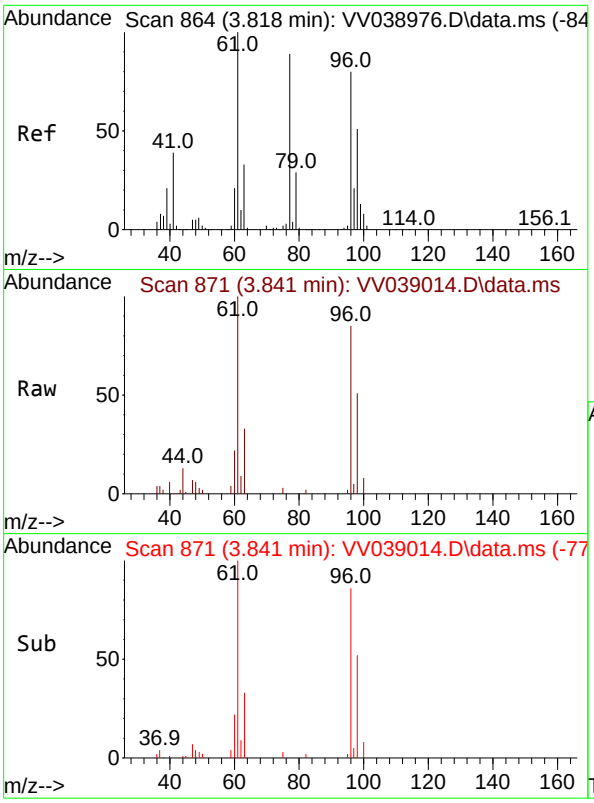


#21
trans-1,2-Dichloroethene
Concen: 1.526 ug/l
RT: 2.719 min Scan# 522
Delta R.T. 0.016 min
Lab File: VV039014.D
Acq: 22 Aug 2025 13:48

Tgt Ion: 96 Resp: 11132

Ion	Ratio	Lower	Upper
96	100		
61	110.8	100.6	151.0
98	58.5	51.5	77.3



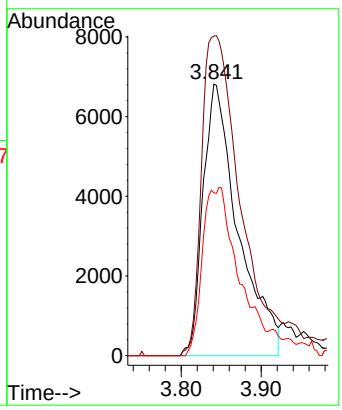


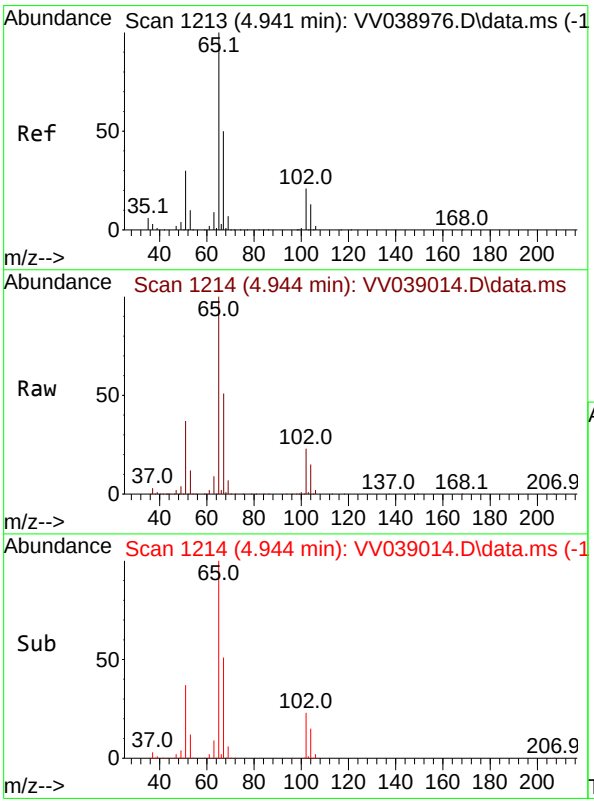
#27
cis-1,2-Dichloroethene
Concen: 2.361 ug/l
RT: 3.841 min Scan# 8
Delta R.T. 0.023 min
Lab File: VV039014.D
Acq: 22 Aug 2025 13:48

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025DL

Tgt Ion: 96 Resp: 20792

Ion	Ratio	Lower	Upper
96	100		
61	129.6	0.0	264.4
98	63.4	0.0	131.8

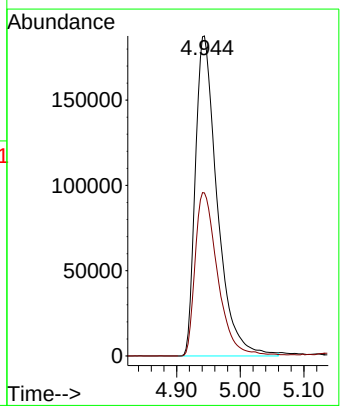


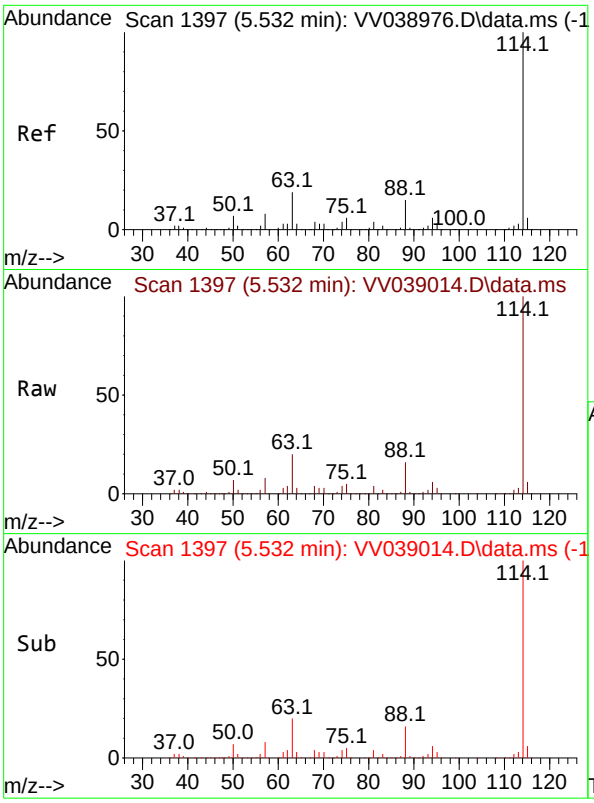


#33
1,2-Dichloroethane-d4
Concen: 51.690 ug/l
RT: 4.944 min Scan# 1214
Delta R.T. 0.003 min
Lab File: VV039014.D
Acq: 22 Aug 2025 13:48

Tgt Ion: 65 Resp: 447639

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	100.4



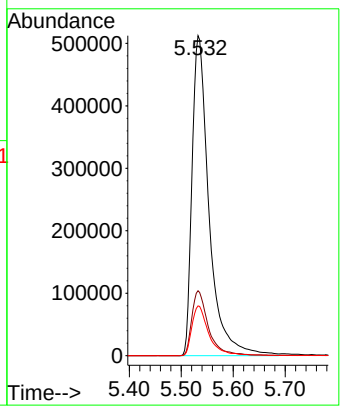


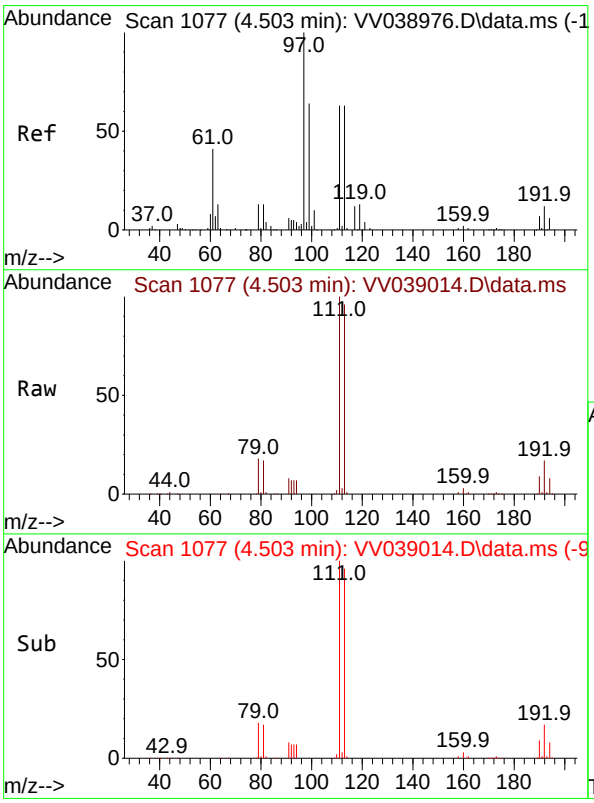
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039014.D
Acq: 22 Aug 2025 13:48

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025DL

Tgt Ion:114 Resp: 1163830

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	37.4
88	15.5	0.0	30.4

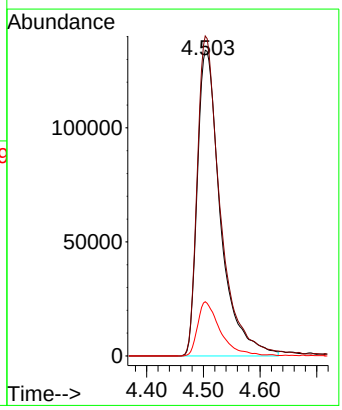


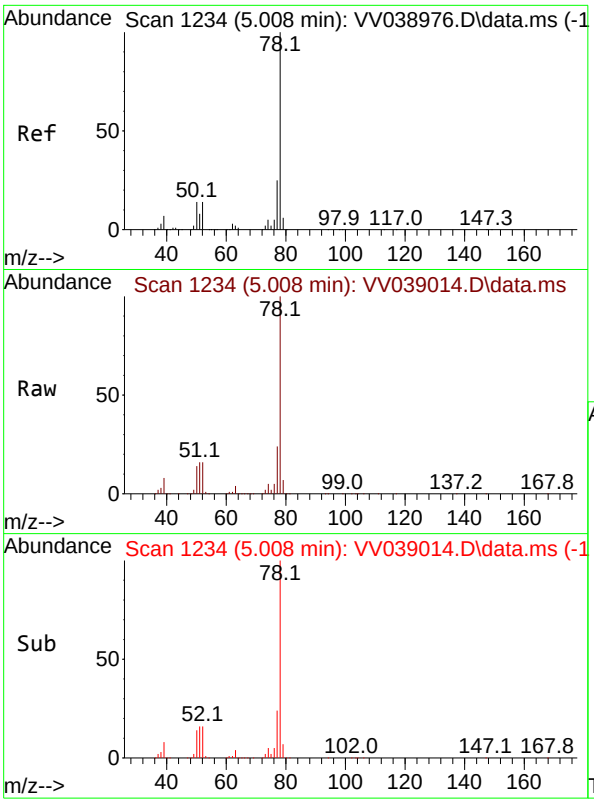


#35
Dibromofluoromethane
Concen: 43.492 ug/l
RT: 4.503 min Scan# 1077
Delta R.T. -0.000 min
Lab File: VV039014.D
Acq: 22 Aug 2025 13:48

Tgt Ion:113 Resp: 379604

Ion	Ratio	Lower	Upper
113	100		
111	104.8	81.3	121.9
192	17.3	15.4	23.0



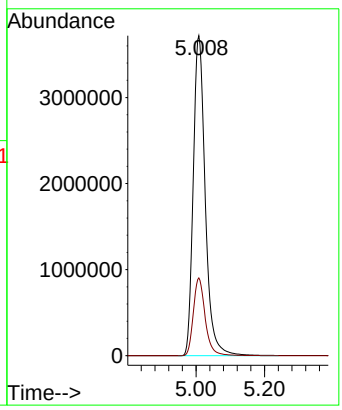


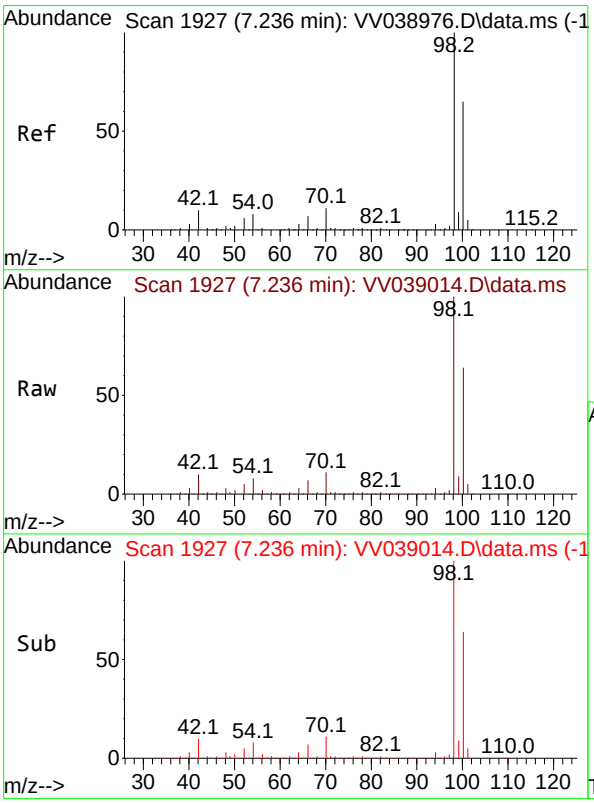
#40
Benzene
Concen: 254.315 ug/l
RT: 5.008 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039014.D
Acq: 22 Aug 2025 13:48

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025DL

Tgt Ion: 78 Resp: 9028696

Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.6	29.4

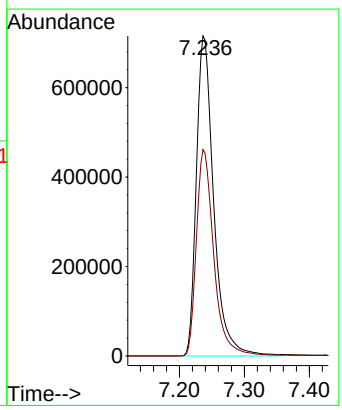


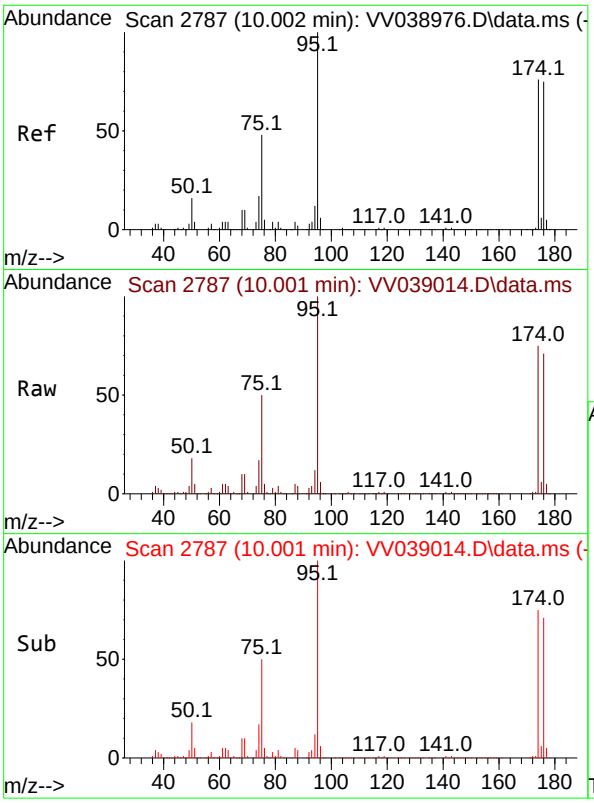


#50
Toluene-d8
Concen: 43.745 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV039014.D
Acq: 22 Aug 2025 13:48

Tgt Ion: 98 Resp: 1331403

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.2	78.2



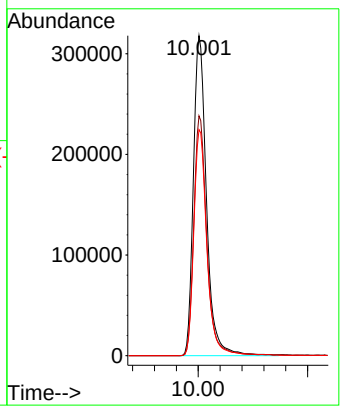


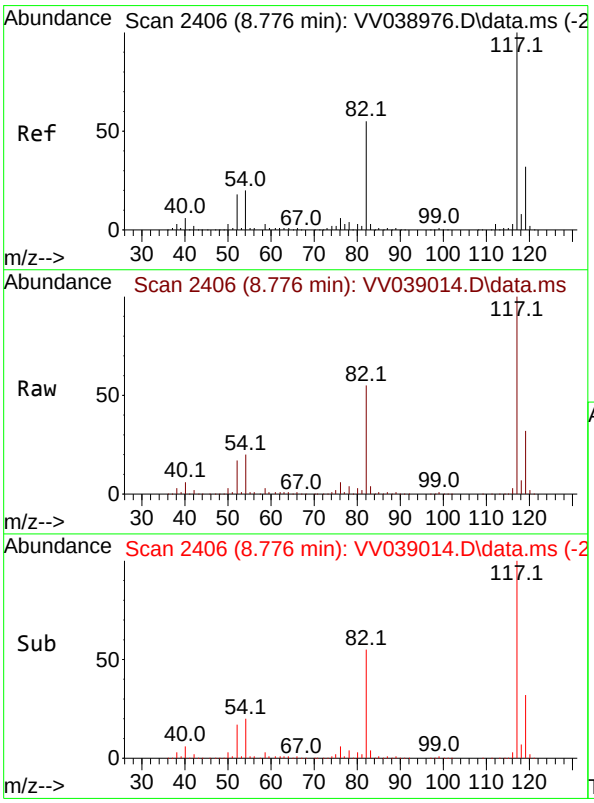
#62
4-Bromofluorobenzene
Concen: 47.462 ug/l
RT: 10.001 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV039014.D
Acq: 22 Aug 2025 13:48

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025DL

Tgt Ion: 95 Resp: 528449

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	154.4
176	70.5	0.0	148.6

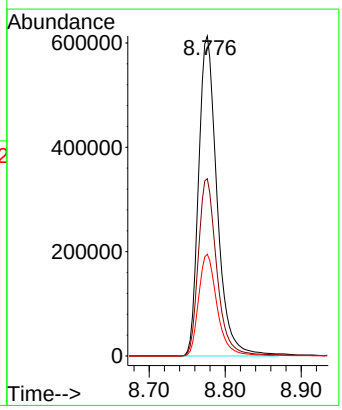


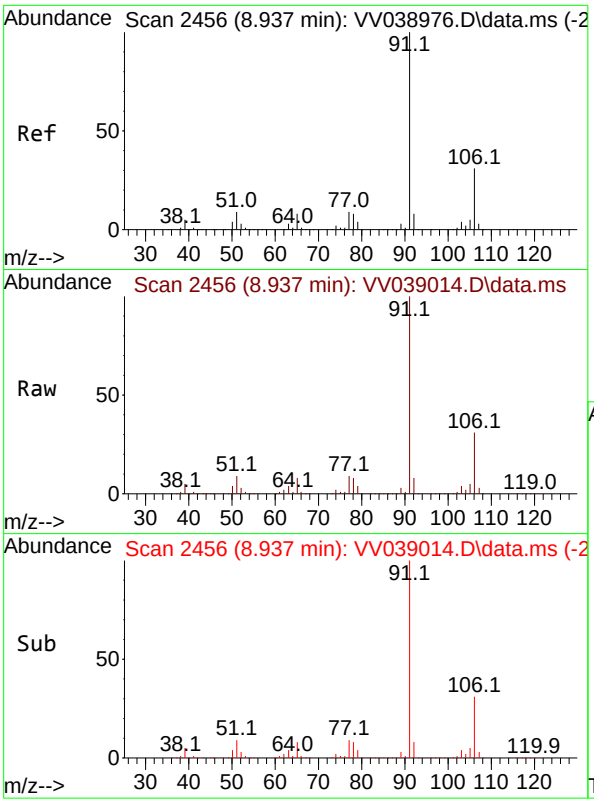


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.000 min
Lab File: VV039014.D
Acq: 22 Aug 2025 13:48

Tgt Ion:117 Resp: 1033790

Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.4	66.6
119	31.8	26.0	39.0



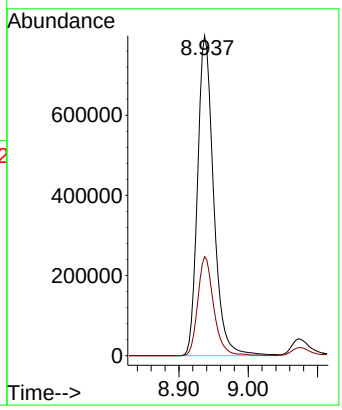


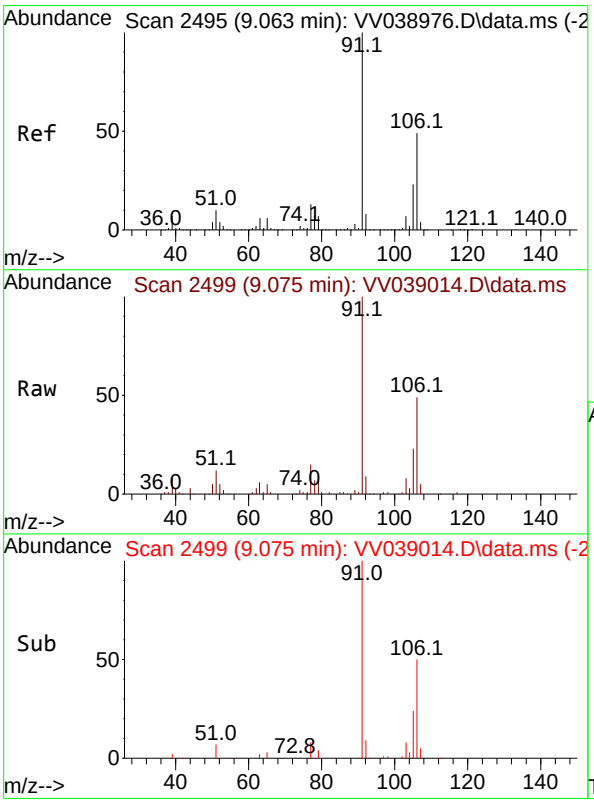
#67
Ethyl Benzene
Concen: 33.835 ug/l
RT: 8.937 min Scan# 24
Delta R.T. -0.000 min
Lab File: VV039014.D
Acq: 22 Aug 2025 13:48

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025DL

Tgt Ion: 91 Resp: 1287476

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.6	36.8

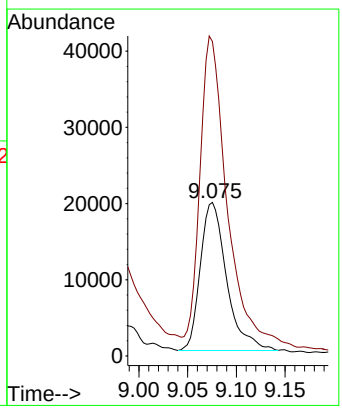


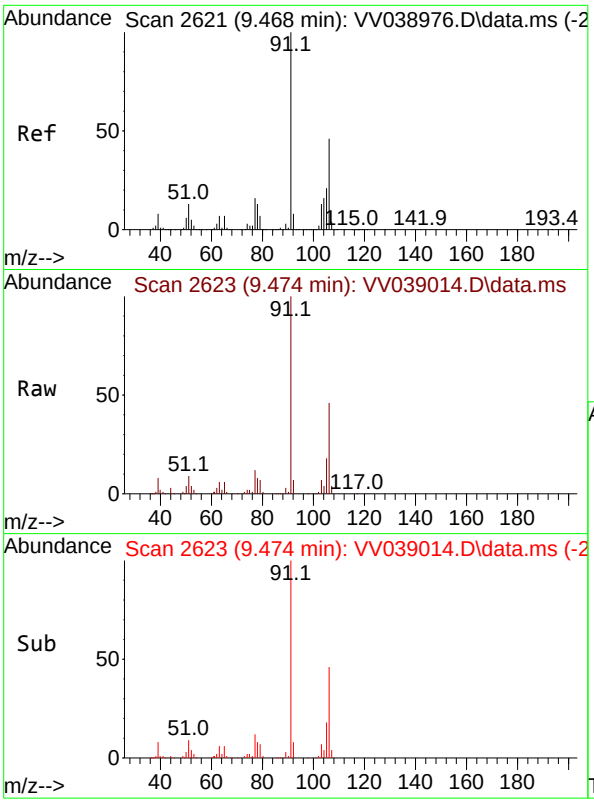


#68
m/p-Xylenes
Concen: 2.477 ug/l
RT: 9.075 min Scan# 2499
Delta R.T. 0.013 min
Lab File: VV039014.D
Acq: 22 Aug 2025 13:48

Tgt Ion:106 Resp: 36612

Ion	Ratio	Lower	Upper
106	100		
91	233.2	163.6	245.4



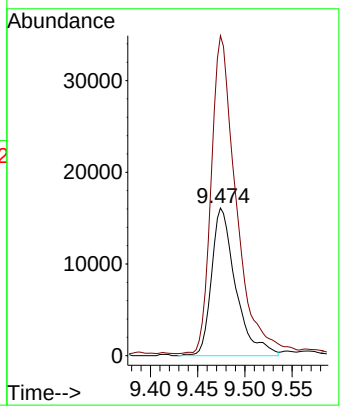


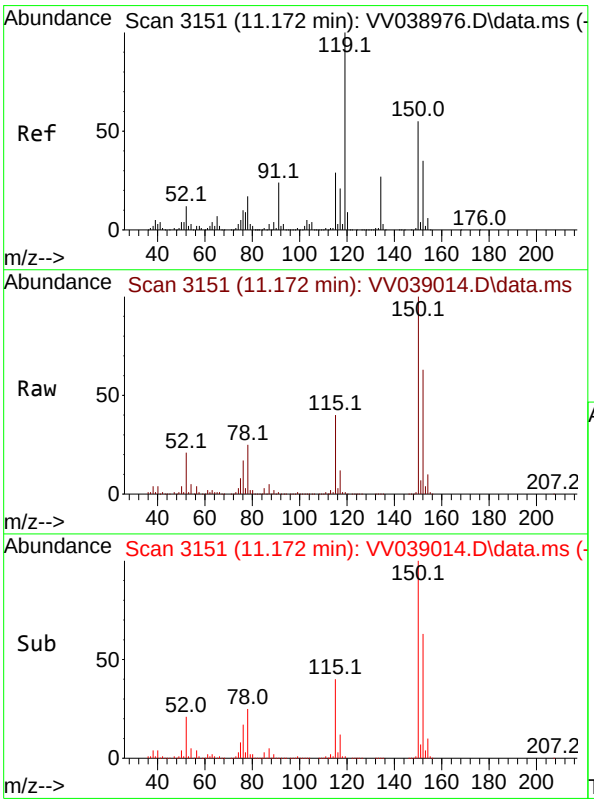
#69
o-Xylene
Concen: 2.123 ug/l
RT: 9.474 min Scan# 2
Delta R.T. 0.006 min
Lab File: VV039014.D
Acq: 22 Aug 2025 13:48

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025DL

Tgt Ion:106 Resp: 28600

Ion	Ratio	Lower	Upper
106	100		
91	222.2	108.0	324.0

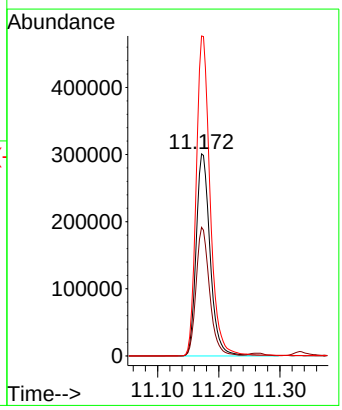


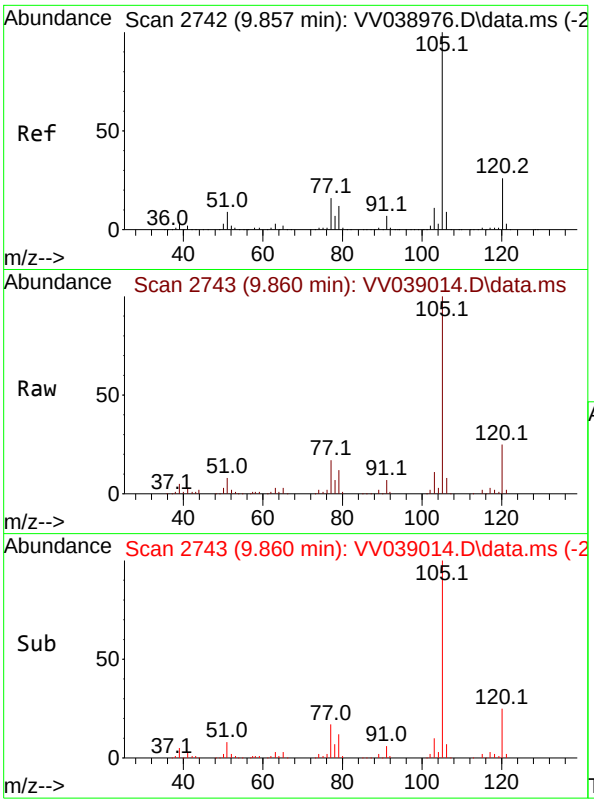


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VV039014.D
Acq: 22 Aug 2025 13:48

Tgt Ion:152 Resp: 477379

Ion	Ratio	Lower	Upper
152	100		
115	61.3	42.5	127.5
150	157.2	0.0	344.8



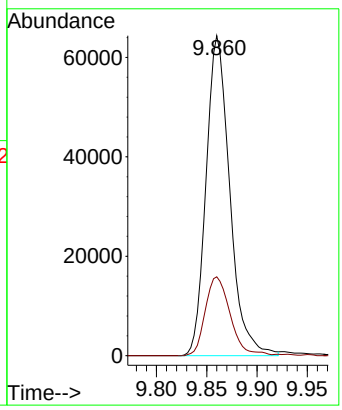


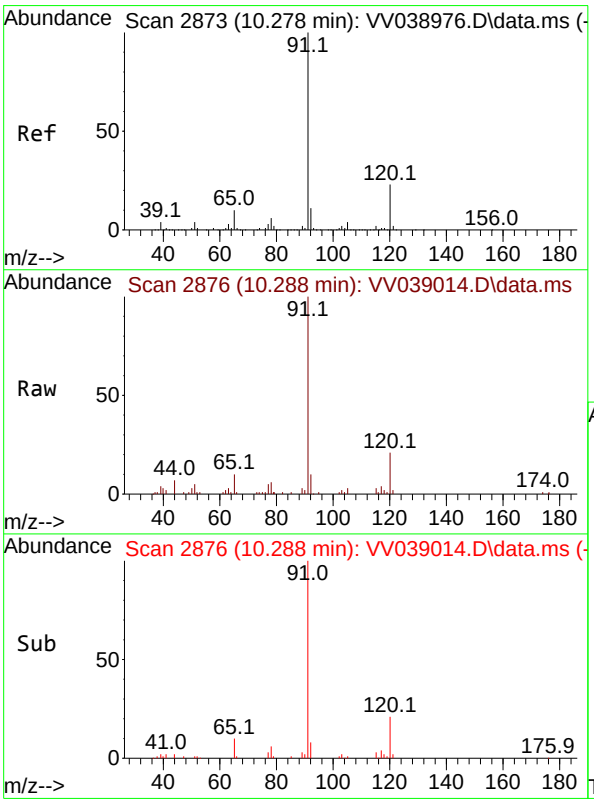
#73
Isopropylbenzene
Concen: 3.298 ug/l
RT: 9.860 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039014.D
Acq: 22 Aug 2025 13:48

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025DL

Tgt Ion:105 Resp: 105645

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.1	39.1

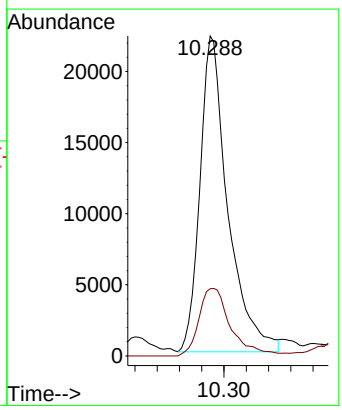


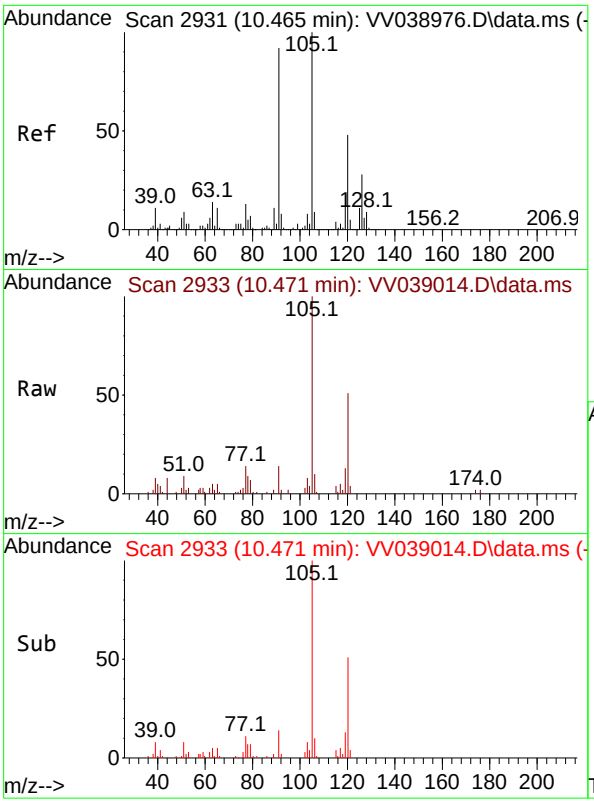


#78
n-propylbenzene
Concen: 1.010 ug/l
RT: 10.288 min Scan# 2876
Delta R.T. 0.010 min
Lab File: VV039014.D
Acq: 22 Aug 2025 13:48

Tgt Ion: 91 Resp: 38622

Ion	Ratio	Lower	Upper
91	100		
120	24.3	11.5	34.4



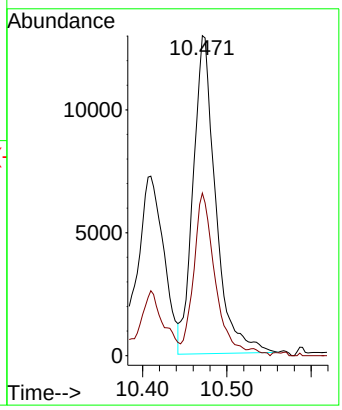


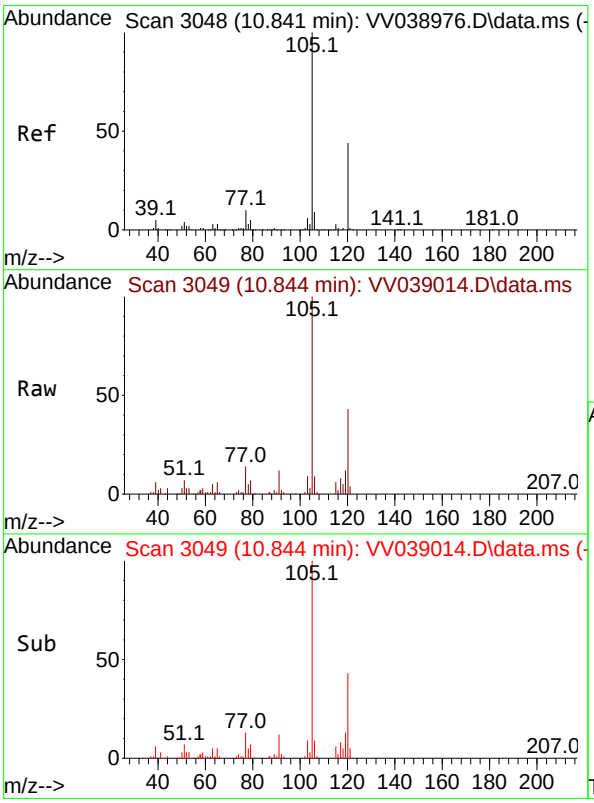
#80
1,3,5-Trimethylbenzene
Concen: 0.894 ug/l
RT: 10.471 min Scan# 2
Delta R.T. 0.006 min
Lab File: VV039014.D
Acq: 22 Aug 2025 13:48

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025DL

Tgt Ion:105 Resp: 24104

Ion	Ratio	Lower	Upper
105	100		
120	43.8	23.9	71.7

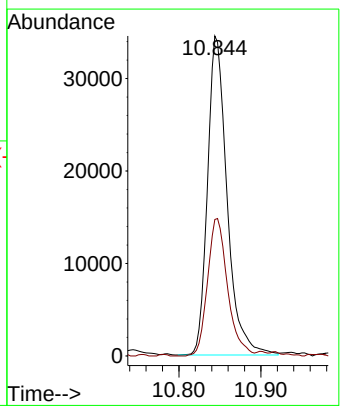




#84
1,2,4-Trimethylbenzene
Concen: 2.214 ug/l
RT: 10.844 min Scan# 3049
Delta R.T. 0.003 min
Lab File: VV039014.D
Acq: 22 Aug 2025 13:48

Tgt Ion:105 Resp: 57118

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.8	68.3



Raw Data: **VV039017.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-2B-082025DL2	SDG No.:	Q2924
Lab Sample ID:	Q2924-05DL2	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039017.D	100	08/22/25 15:06	VV082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	500	UD	22.0	500	ug/L
74-87-3	Chloromethane	500	UD	32.0	500	ug/L
75-01-4	Vinyl Chloride	500	UD	26.0	500	ug/L
74-83-9	Bromomethane	500	UD	140	500	ug/L
75-00-3	Chloroethane	500	UD	47.0	500	ug/L
75-69-4	Trichlorofluoromethane	500	UD	33.0	500	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	500	UD	25.0	500	ug/L
75-35-4	1,1-Dichloroethene	500	UD	23.0	500	ug/L
67-64-1	Acetone	2500	UD	150	2500	ug/L
75-15-0	Carbon Disulfide	500	UD	21.0	500	ug/L
1634-04-4	Methyl tert-butyl Ether	500	UDQ	16.0	500	ug/L
79-20-9	Methyl Acetate	500	UDQ	27.0	500	ug/L
75-09-2	Methylene Chloride	500	UD	28.0	500	ug/L
156-60-5	trans-1,2-Dichloroethene	500	UDQ	23.0	500	ug/L
75-34-3	1,1-Dichloroethane	500	UD	23.0	500	ug/L
110-82-7	Cyclohexane	500	UD	150	500	ug/L
78-93-3	2-Butanone	2500	UD	98.0	2500	ug/L
56-23-5	Carbon Tetrachloride	500	UD	25.0	500	ug/L
156-59-2	cis-1,2-Dichloroethene	59.4	JD	19.0	500	ug/L
74-97-5	Bromochloromethane	500	UDQ	22.0	500	ug/L
67-66-3	Chloroform	500	UD	25.0	500	ug/L
71-55-6	1,1,1-Trichloroethane	500	UD	20.0	500	ug/L
108-87-2	Methylcyclohexane	500	UD	16.0	500	ug/L
71-43-2	Benzene	4900	D	15.0	500	ug/L
107-06-2	1,2-Dichloroethane	500	UD	22.0	500	ug/L
79-01-6	Trichloroethene	500	UD	9.30	500	ug/L
78-87-5	1,2-Dichloropropane	500	UD	20.0	500	ug/L
75-27-4	Bromodichloromethane	500	UD	22.0	500	ug/L
108-10-1	4-Methyl-2-Pentanone	2500	UD	68.0	2500	ug/L
108-88-3	Toluene	500	UD	14.0	500	ug/L

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Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-2B-082025DL2	SDG No.:	Q2924
Lab Sample ID:	Q2924-05DL2	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039017.D	100	08/22/25 15:06	VV082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	500	UD	17.0	500	ug/L
10061-01-5	cis-1,3-Dichloropropene	500	UD	16.0	500	ug/L
79-00-5	1,1,2-Trichloroethane	500	UD	21.0	500	ug/L
591-78-6	2-Hexanone	2500	UD	89.0	2500	ug/L
124-48-1	Dibromochloromethane	500	UD	18.0	500	ug/L
106-93-4	1,2-Dibromoethane	500	UD	15.0	500	ug/L
127-18-4	Tetrachloroethene	500	UD	23.0	500	ug/L
108-90-7	Chlorobenzene	500	UD	12.0	500	ug/L
100-41-4	Ethyl Benzene	570	D	13.0	500	ug/L
179601-23-1	m/p-Xylenes	1000	UD	24.0	1000	ug/L
95-47-6	o-Xylene	500	UD	12.0	500	ug/L
100-42-5	Styrene	500	UD	15.0	500	ug/L
75-25-2	Bromoform	500	UD	19.0	500	ug/L
98-82-8	Isopropylbenzene	500	UD	12.0	500	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	500	UD	26.0	500	ug/L
541-73-1	1,3-Dichlorobenzene	500	UD	16.0	500	ug/L
106-46-7	1,4-Dichlorobenzene	500	UD	19.0	500	ug/L
95-50-1	1,2-Dichlorobenzene	500	UD	16.0	500	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	500	UD	53.0	500	ug/L
120-82-1	1,2,4-Trichlorobenzene	500	UD	20.0	500	ug/L
87-61-6	1,2,3-Trichlorobenzene	500	UD	20.0	500	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.7		74 - 125	119%	SPK: 50
1868-53-7	Dibromofluoromethane	45.2		75 - 124	90%	SPK: 50
2037-26-5	Toluene-d8	44.9		86 - 113	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.2		77 - 121	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	583000	4.596			
540-36-3	1,4-Difluorobenzene	1170000	5.529			
3114-55-4	Chlorobenzene-d5	1040000	8.773			
3855-82-1	1,4-Dichlorobenzene-d4	457000	11.172			

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Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-2B-082025DL2	SDG No.:	Q2924
Lab Sample ID:	Q2924-05DL2	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039017.D	100	08/22/25 15:06	VV082225

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_V\DATA\VV082225\
Data File : VV039017.D
Acq On : 22 Aug 2025 15:06
Operator : SY/MD
Sample : Q2924-05DL2 100X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025DL2

Quant Time: Aug 25 02:24:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

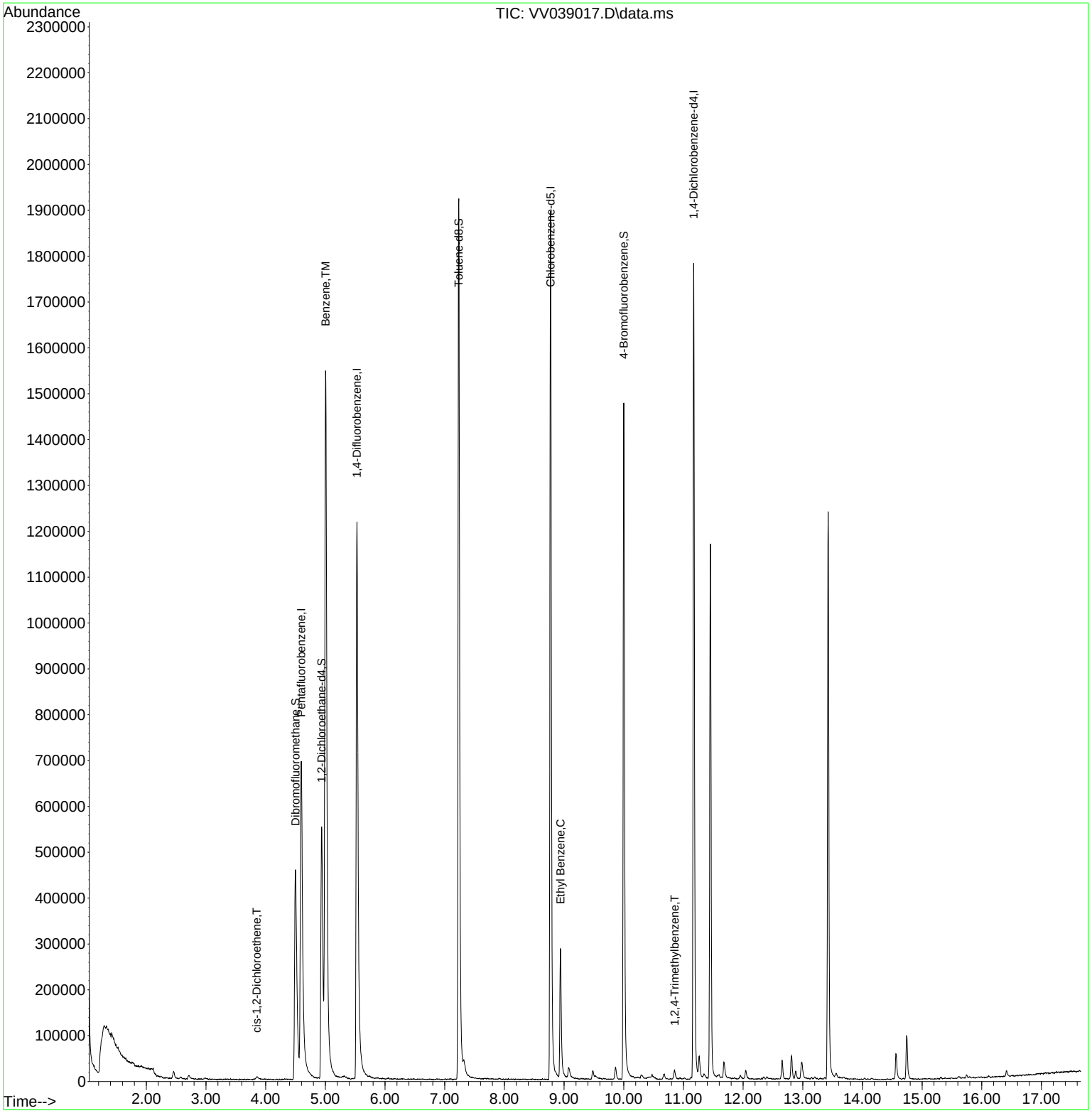
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.596	168	582933	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	1168109	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1042248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	457197	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	488512	59.724	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 119.440%#			
35) Dibromofluoromethane	4.500	113	396202	45.227	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 90.460%			
50) Toluene-d8	7.236	98	1371201	44.888	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 89.780%			
62) 4-Bromofluorobenzene	10.001	95	505397	45.226	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 90.460%			
Target Compounds						Qvalue
27) cis-1,2-Dichloroethene	3.851	96	4940m	0.594	ug/l	
40) Benzene	5.005	78	1762911	49.475	ug/l	98
67) Ethyl Benzene	8.940	91	218268	5.690	ug/l	97
84) 1,2,4-Trimethylbenzene	10.853	105	11423	0.462	ug/l	94

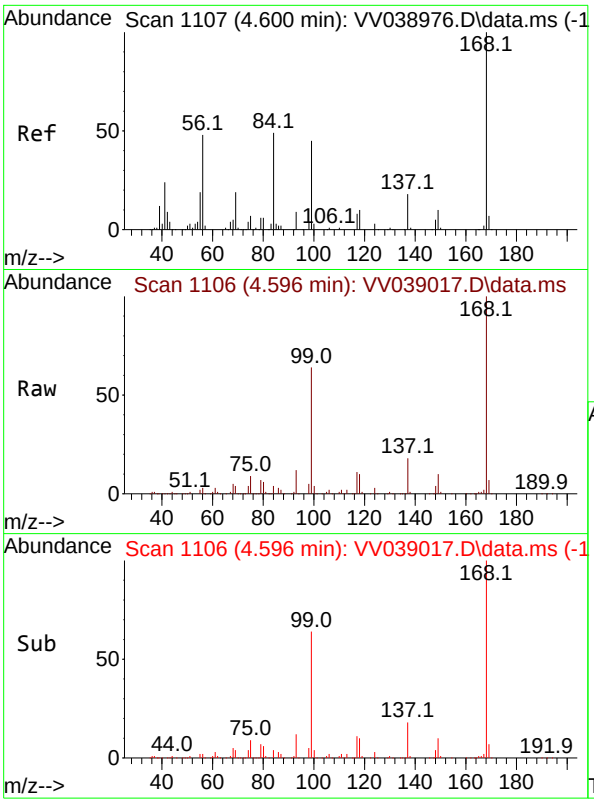
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082225\
Data File : VV039017.D
Acq On : 22 Aug 2025 15:06
Operator : SY/MD
Sample : Q2924-05DL2 100X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025DL2

Quant Time: Aug 25 02:24:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration



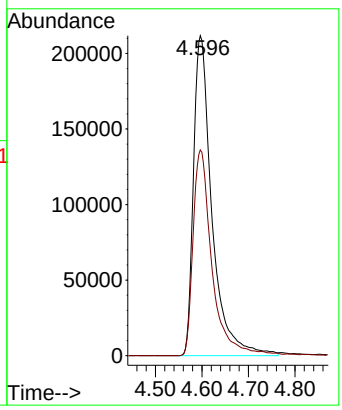


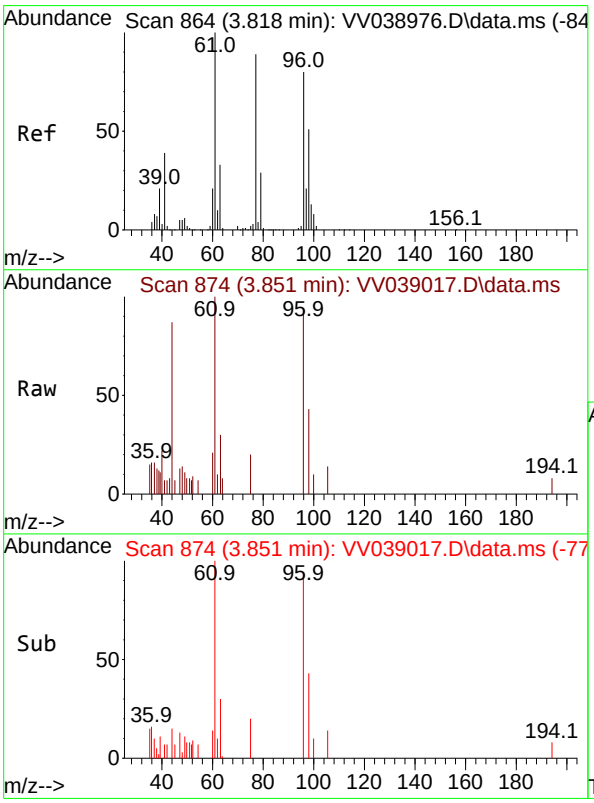
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.596 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV039017.D
Acq: 22 Aug 2025 15:06

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025DL2

Tgt Ion:168 Resp: 582933

Ion	Ratio	Lower	Upper
168	100		
99	64.3	47.0	70.6

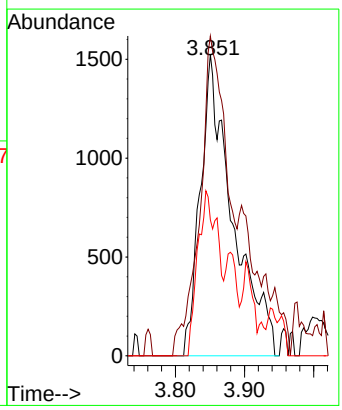


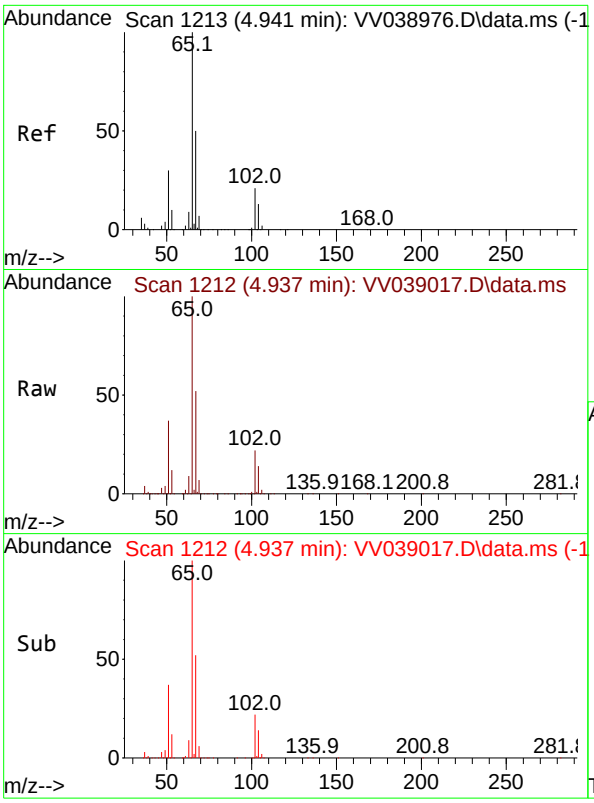


#27
cis-1,2-Dichloroethene
Concen: 0.594 ug/l m
RT: 3.851 min Scan# 874
Delta R.T. 0.033 min
Lab File: VV039017.D
Acq: 22 Aug 2025 15:06

Tgt Ion: 96 Resp: 4940

Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	264.4
98	0.0	0.0	131.8



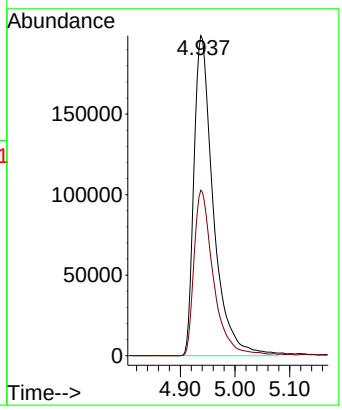


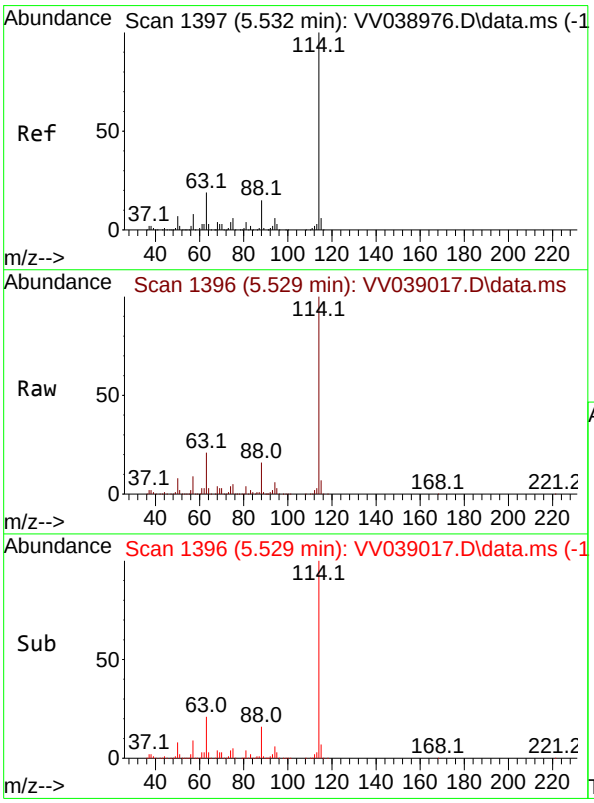
#33
1,2-Dichloroethane-d4
Concen: 59.724 ug/l
RT: 4.937 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV039017.D
Acq: 22 Aug 2025 15:06

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025DL2

Tgt Ion: 65 Resp: 488512

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	100.4

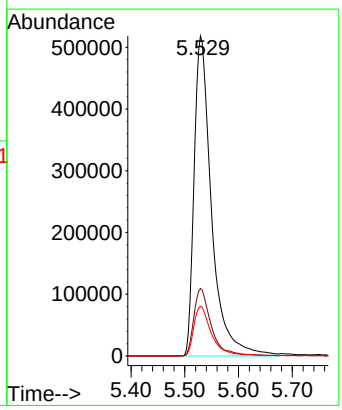


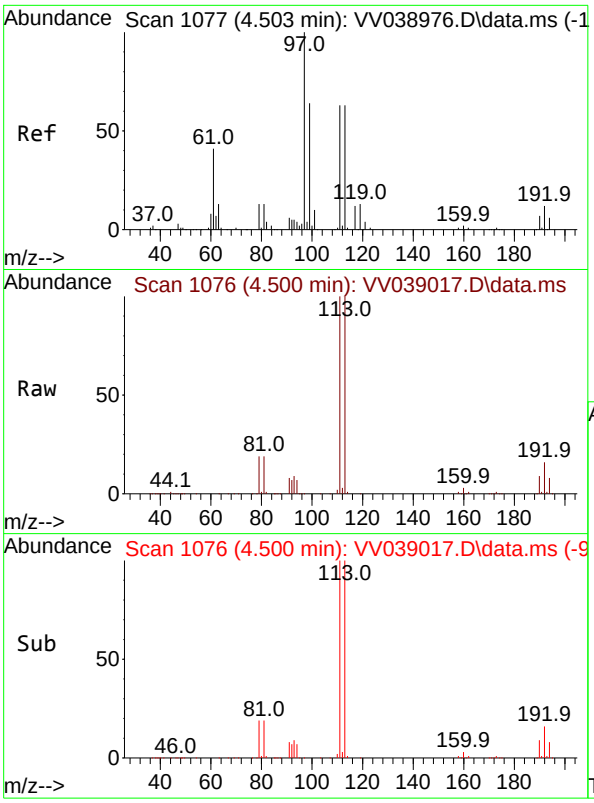


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.529 min Scan# 1396
Delta R.T. -0.003 min
Lab File: VV039017.D
Acq: 22 Aug 2025 15:06

Tgt Ion:114 Resp: 1168109

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	37.4
88	15.6	0.0	30.4



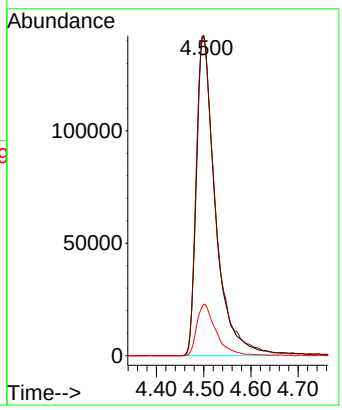


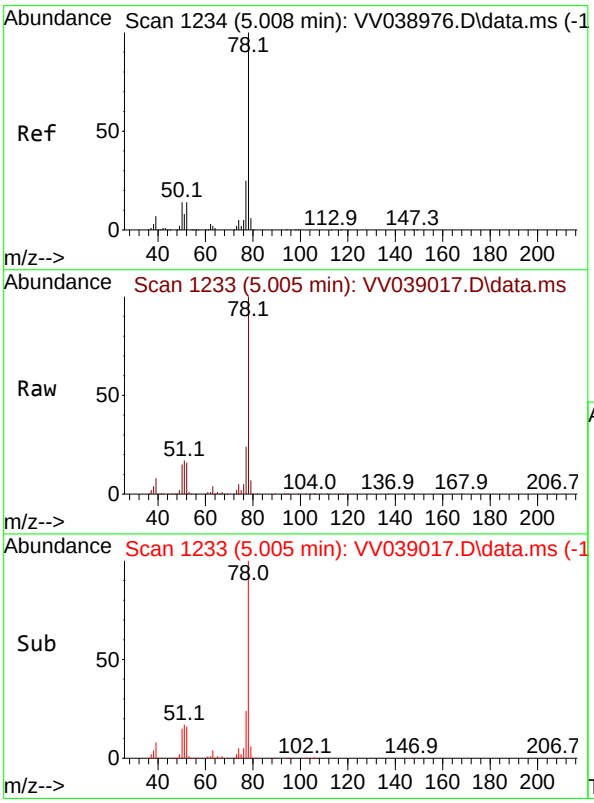
#35
Dibromofluoromethane
Concen: 45.227 ug/l
RT: 4.500 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV039017.D
Acq: 22 Aug 2025 15:06

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025DL2

Tgt Ion:113 Resp: 396202

Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.3	121.9
192	16.3	15.4	23.0

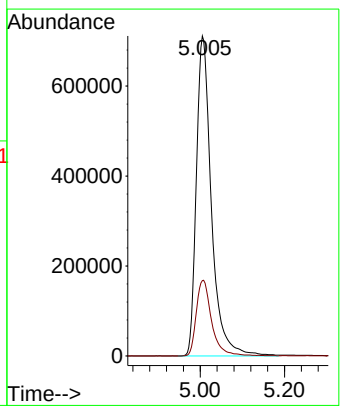


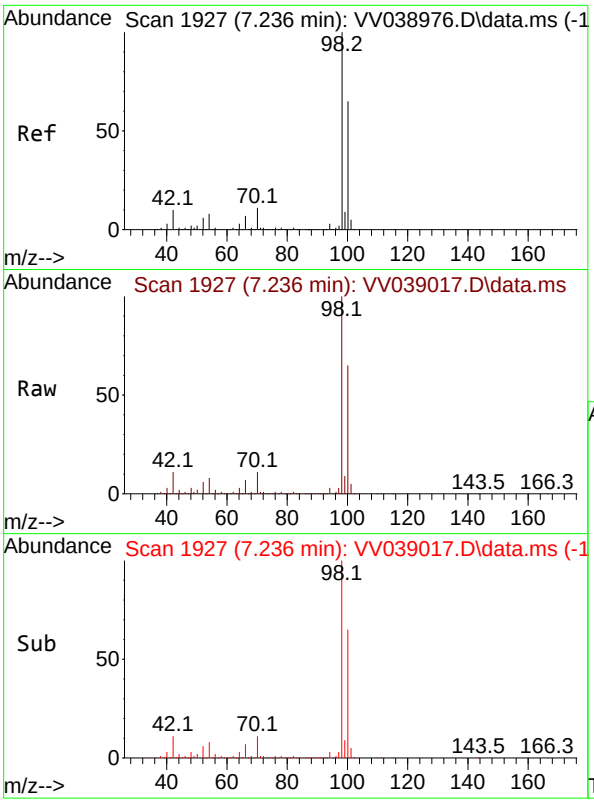


#40
Benzene
Concen: 49.475 ug/l
RT: 5.005 min Scan# 1233
Delta R.T. -0.003 min
Lab File: VV039017.D
Acq: 22 Aug 2025 15:06

Tgt Ion: 78 Resp: 1762911

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.6	29.4



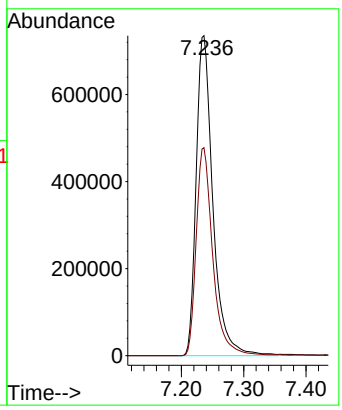


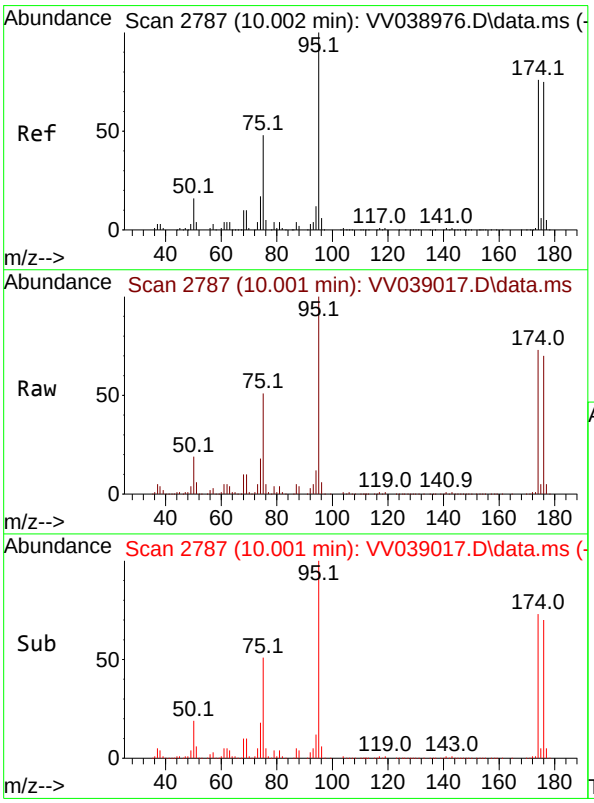
#50
Toluene-d8
Concen: 44.888 ug/l
RT: 7.236 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039017.D
Acq: 22 Aug 2025 15:06

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025DL2

Tgt Ion: 98 Resp: 1371201

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.2	78.2

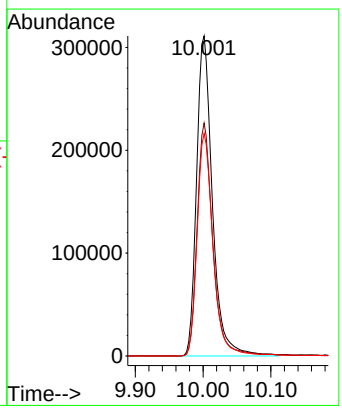


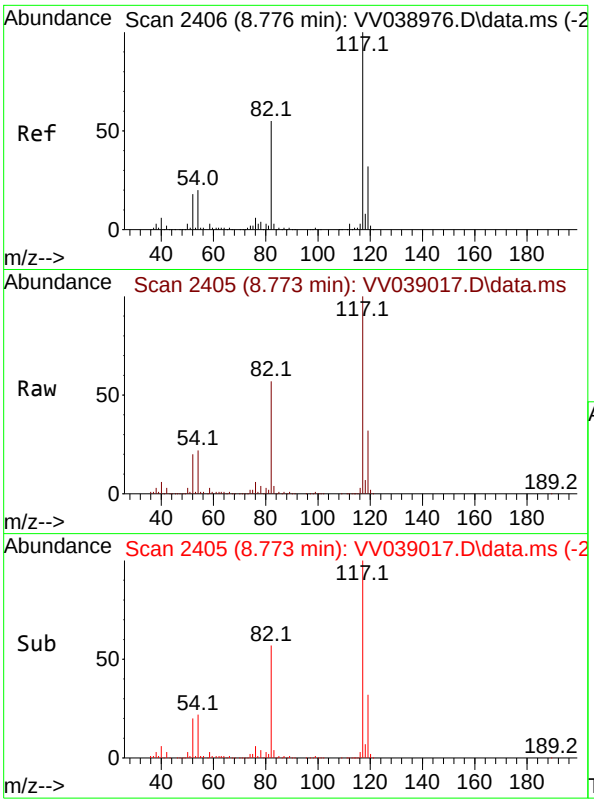


#62
4-Bromofluorobenzene
Concen: 45.226 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. -0.000 min
Lab File: VV039017.D
Acq: 22 Aug 2025 15:06

Tgt Ion: 95 Resp: 505397

Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	154.4
176	69.3	0.0	148.6



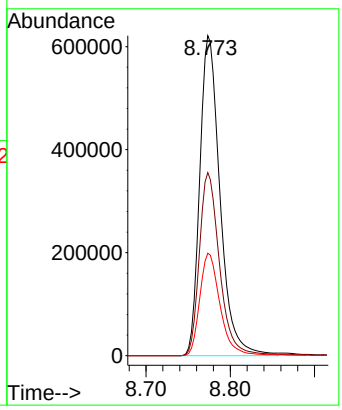


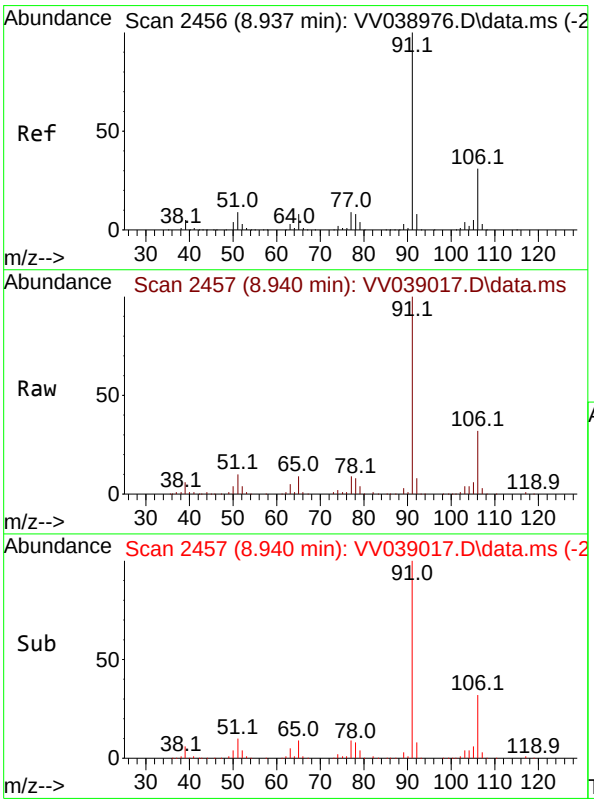
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 24
Delta R.T. -0.003 min
Lab File: VV039017.D
Acq: 22 Aug 2025 15:06

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025DL2

Tgt Ion:117 Resp: 1042248

Ion	Ratio	Lower	Upper
117	100		
82	57.2	44.4	66.6
119	32.0	26.0	39.0

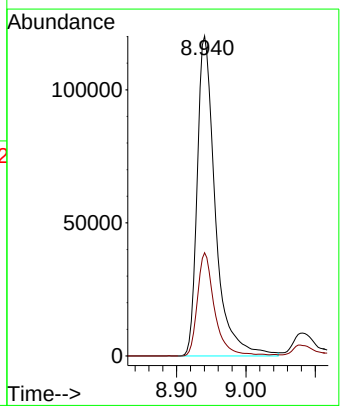


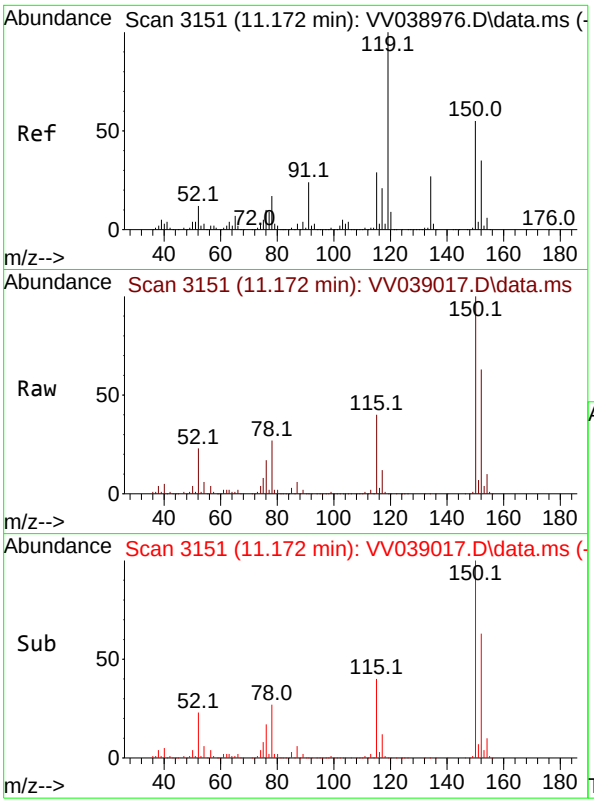


#67
Ethyl Benzene
Concen: 5.690 ug/l
RT: 8.940 min Scan# 2457
Delta R.T. 0.003 min
Lab File: VV039017.D
Acq: 22 Aug 2025 15:06

Tgt Ion: 91 Resp: 218268

Ion	Ratio	Lower	Upper
91	100		
106	32.3	24.6	36.8



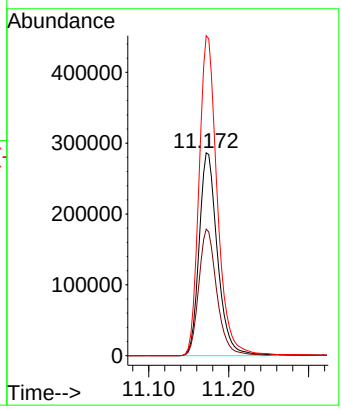


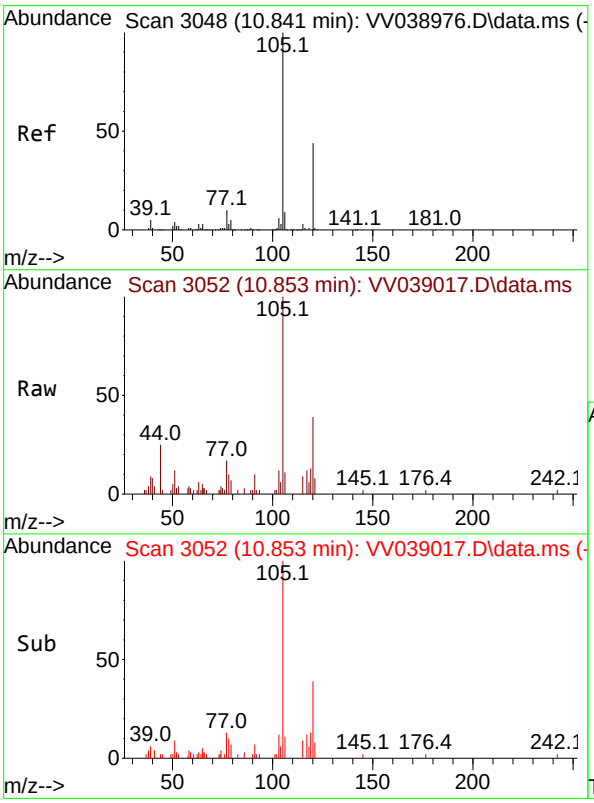
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV039017.D
Acq: 22 Aug 2025 15:06

Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025DL2

Tgt Ion:152 Resp: 457197

Ion	Ratio	Lower	Upper
152	100		
115	61.7	42.5	127.5
150	157.1	0.0	344.8

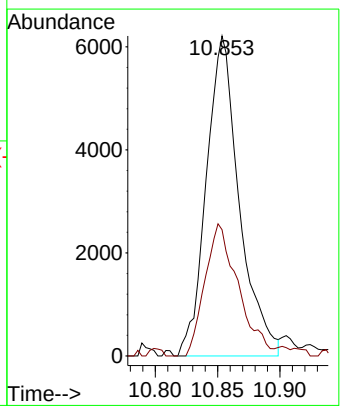




#84
1,2,4-Trimethylbenzene
Concen: 0.462 ug/l
RT: 10.853 min Scan# 3052
Delta R.T. 0.013 min
Lab File: VV039017.D
Acq: 22 Aug 2025 15:06

Tgt Ion:105 Resp: 11423

Ion	Ratio	Lower	Upper
105	100		
120	41.7	22.8	68.3



Raw Data: **VV038999.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-2A-082025	SDG No.:	Q2924
Lab Sample ID:	Q2924-06	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV038999.D	1	08/21/25 22:11	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.00	U	0.22	5.00	ug/L
74-87-3	Chloromethane	5.00	U	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	5.00	U	0.26	5.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	5.00	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	5.00	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	5.00	U	0.23	5.00	ug/L
67-64-1	Acetone	190		1.50	25.0	ug/L
75-15-0	Carbon Disulfide	5.00	U	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	5.00	U	0.16	5.00	ug/L
79-20-9	Methyl Acetate	5.00	U	0.27	5.00	ug/L
75-09-2	Methylene Chloride	5.00	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	5.00	U	0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	5.00	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.50	5.00	ug/L
78-93-3	2-Butanone	25.0	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	5.00	U	0.19	5.00	ug/L
74-97-5	Bromochloromethane	5.00	U	0.22	5.00	ug/L
67-66-3	Chloroform	2.10	J	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	5.00	U	0.16	5.00	ug/L
71-43-2	Benzene	30.7		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	5.00	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.48	J	0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	5.00	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	5.00	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	U	0.68	25.0	ug/L
108-88-3	Toluene	5.00	U	0.14	5.00	ug/L

Raw Data: **VV038999.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-2A-082025	SDG No.:	Q2924
Lab Sample ID:	Q2924-06	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV038999.D	1	08/21/25 22:11	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	5.00	U	0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	U	0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	5.00	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	25.0	U	0.89	25.0	ug/L
124-48-1	Dibromochloromethane	5.00	U	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	5.00	U	0.15	5.00	ug/L
127-18-4	Tetrachloroethene	5.40		0.23	5.00	ug/L
108-90-7	Chlorobenzene	5.00	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	0.46	J	0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	10.0	U	0.24	10.0	ug/L
95-47-6	o-Xylene	5.00	U	0.12	5.00	ug/L
100-42-5	Styrene	5.00	U	0.15	5.00	ug/L
75-25-2	Bromoform	5.00	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	0.26	J	0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	U	0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.3		74 - 125	99%	SPK: 50
1868-53-7	Dibromofluoromethane	44.6		75 - 124	89%	SPK: 50
2037-26-5	Toluene-d8	44.0		86 - 113	88%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.9		77 - 121	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	651000	4.6			
540-36-3	1,4-Difluorobenzene	1150000	5.532			
3114-55-4	Chlorobenzene-d5	1020000	8.776			
3855-82-1	1,4-Dichlorobenzene-d4	449000	11.175			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VV038999.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-2A-082025	SDG No.:	Q2924
Lab Sample ID:	Q2924-06	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV038999.D	1	08/21/25 22:11	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	150	J		1.20	ug/L
000064-17-5	Ethanol	61.3	J		1.84	ug/L
67-63-0	Isopropyl Alcohol	14.4	J		2.22	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_V\DATA\VV082125\
Data File : VV038999.D
Acq On : 21 Aug 2025 22:11
Operator : SY/MD
Sample : Q2924-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-2A-082025

Quant Time: Aug 22 04:40:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

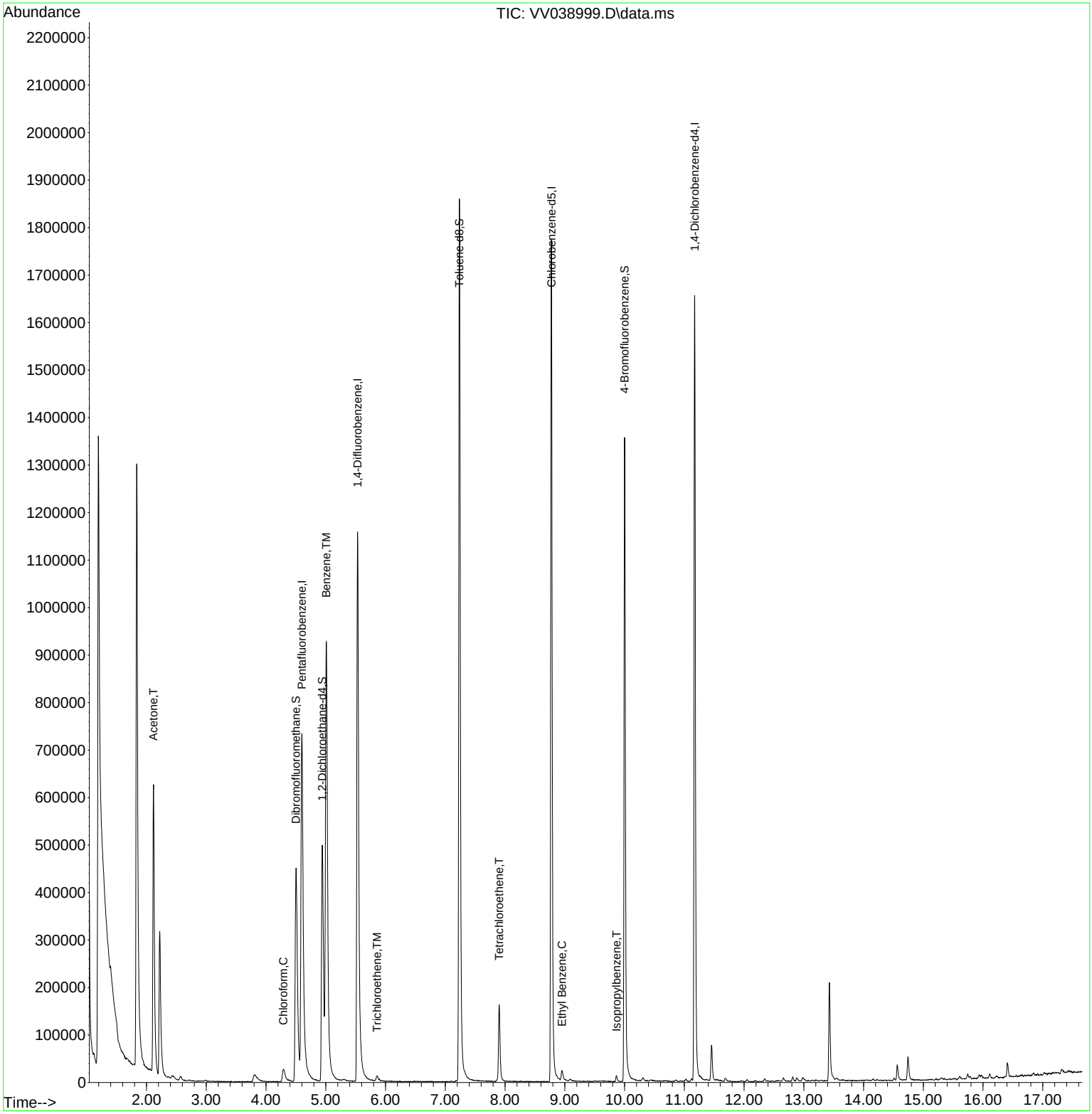
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	650572	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1153105	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	1016294	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	448609	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	449834	49.277	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery =	98.560%		
35) Dibromofluoromethane	4.503	113	385583	44.588	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery =	89.180%		
50) Toluene-d8	7.236	98	1326138	43.977	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery =	87.960%#		
62) 4-Bromofluorobenzene	10.001	95	462072	41.887	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery =	83.780%#		
Target Compounds						Qvalue
16) Acetone	2.117	43	711942	194.315	ug/l	98
30) Chloroform	4.291	83	35087	2.141	ug/l	92
40) Benzene	5.008	78	1078206	30.653	ug/l	99
44) Trichloroethene	5.857	130	4604	0.483	ug/l	61
64) Tetrachloroethene	7.902	164	40507	5.357	ug/l	94
67) Ethyl Benzene	8.953	91	17096	0.457	ug/l	93
73) Isopropylbenzene	9.866	105	7927	0.263	ug/l	96

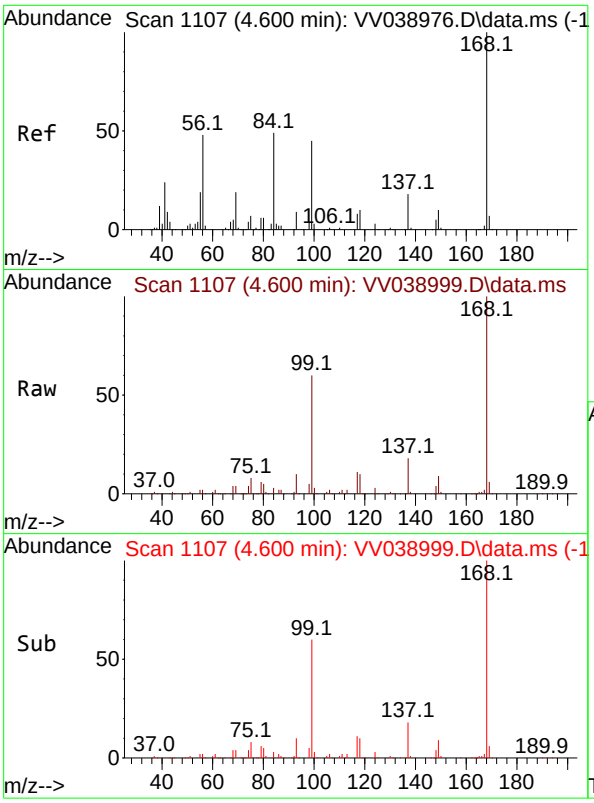
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038999.D
Acq On : 21 Aug 2025 22:11
Operator : SY/MD
Sample : Q2924-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-2A-082025

Quant Time: Aug 22 04:40:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration



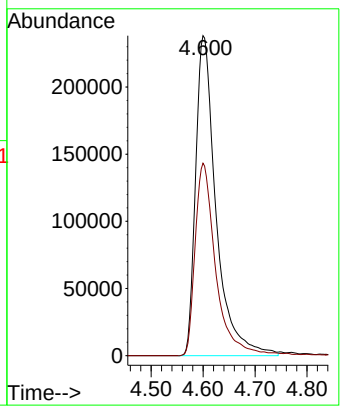


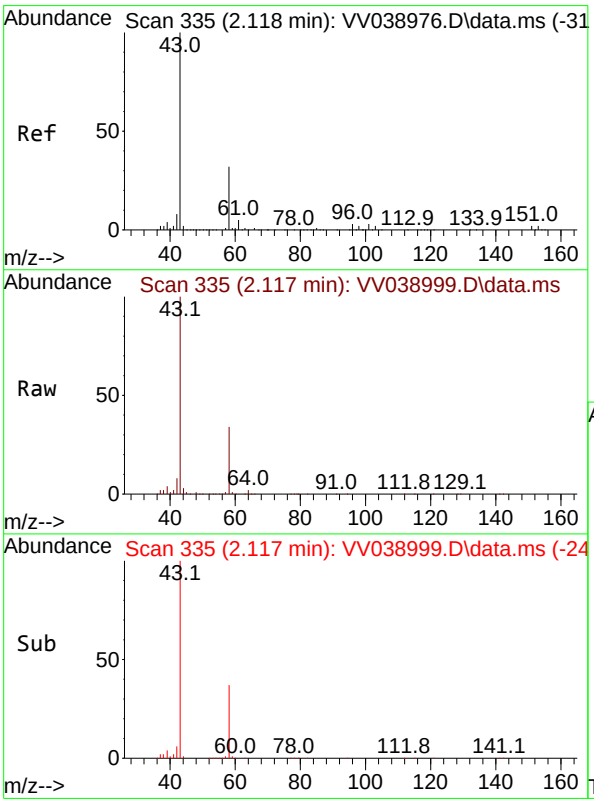
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV038999.D
Acq: 21 Aug 2025 22:11

Instrument :
MSVOA_V
ClientSampleId :
MW-2A-082025

Tgt Ion:168 Resp: 650572

Ion	Ratio	Lower	Upper
168	100		
99	60.1	47.0	70.6

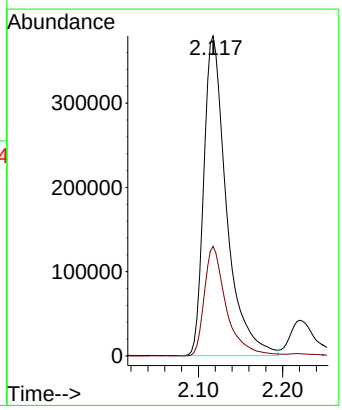


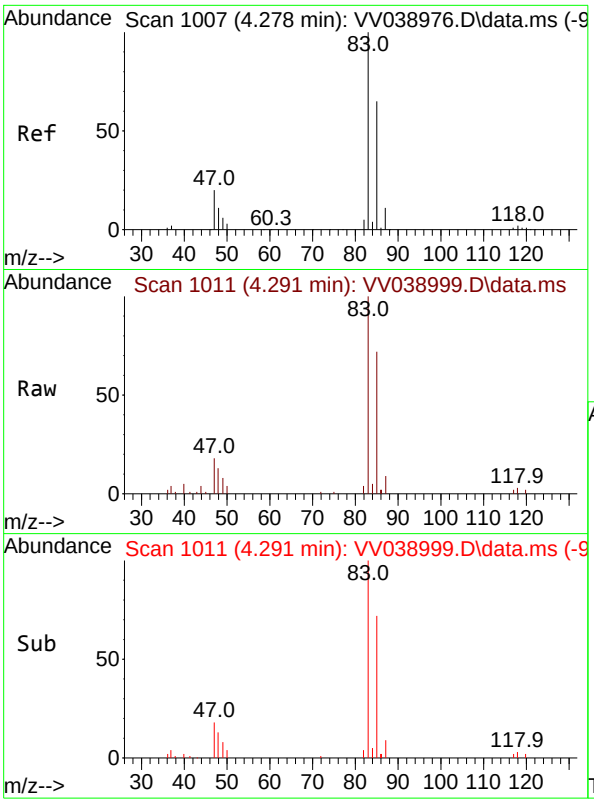


#16
Acetone
Concen: 194.315 ug/l
RT: 2.117 min Scan# 335
Delta R.T. -0.000 min
Lab File: VV038999.D
Acq: 21 Aug 2025 22:11

Tgt Ion: 43 Resp: 711942

Ion	Ratio	Lower	Upper
43	100		
58	34.3	26.3	39.5



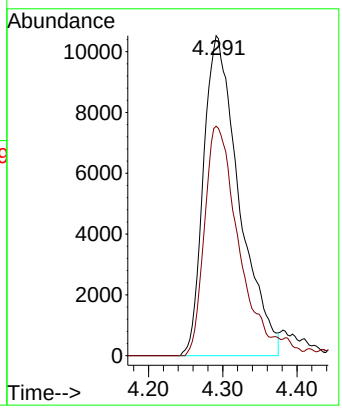


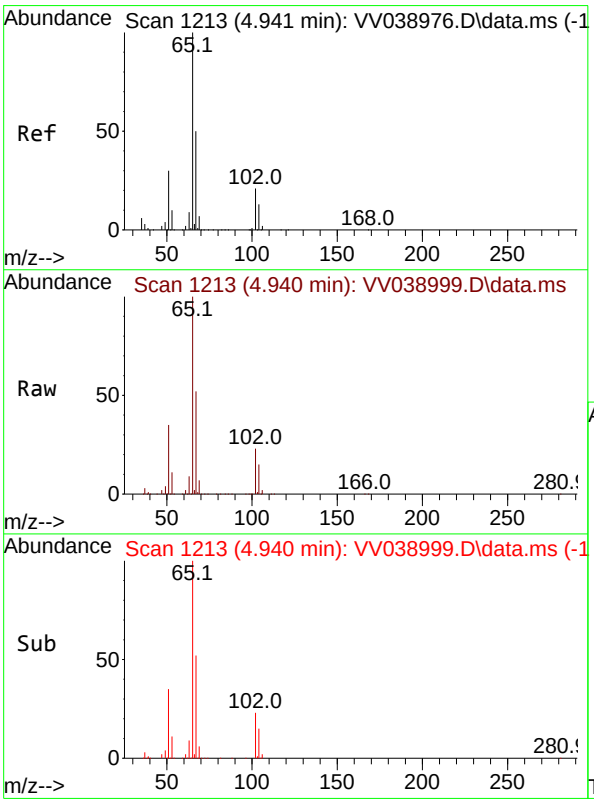
#30
Chloroform
Concen: 2.141 ug/l
RT: 4.291 min Scan# 1
Delta R.T. 0.013 min
Lab File: VV038999.D
Acq: 21 Aug 2025 22:11

Instrument :
MSVOA_V
ClientSampleId :
MW-2A-082025

Tgt Ion: 83 Resp: 35087

Ion	Ratio	Lower	Upper
83	100		
85	71.7	52.2	78.2

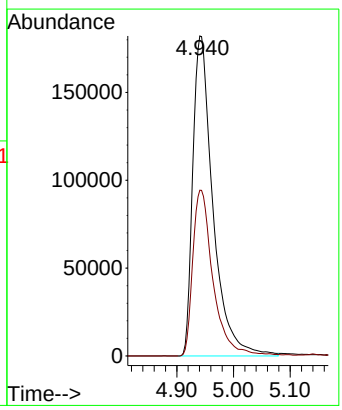


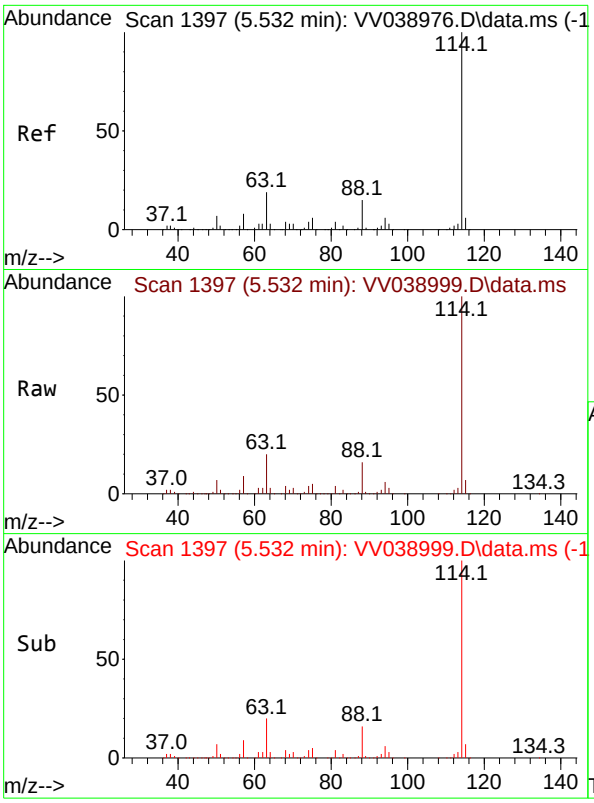


#33
1,2-Dichloroethane-d4
Concen: 49.277 ug/l
RT: 4.940 min Scan# 1213
Delta R.T. -0.000 min
Lab File: VV038999.D
Acq: 21 Aug 2025 22:11

Tgt Ion: 65 Resp: 449834

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	100.4



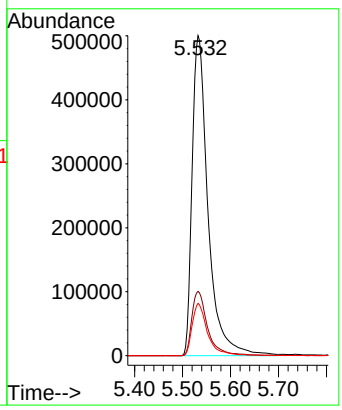


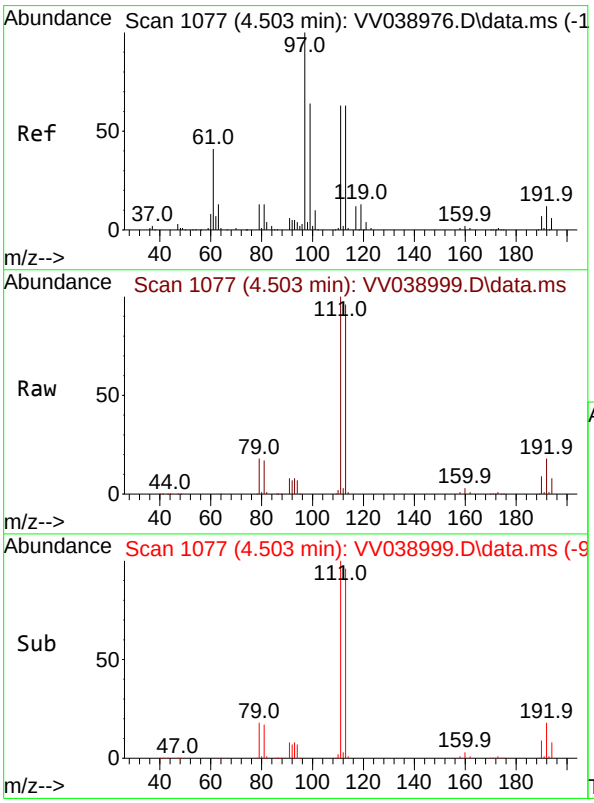
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV038999.D
Acq: 21 Aug 2025 22:11

Instrument :
MSVOA_V
ClientSampleId :
MW-2A-082025

Tgt Ion:114 Resp: 1153105

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	37.4
88	16.3	0.0	30.4

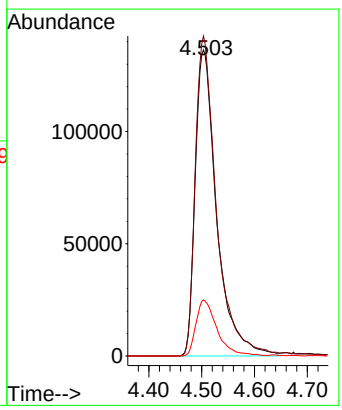


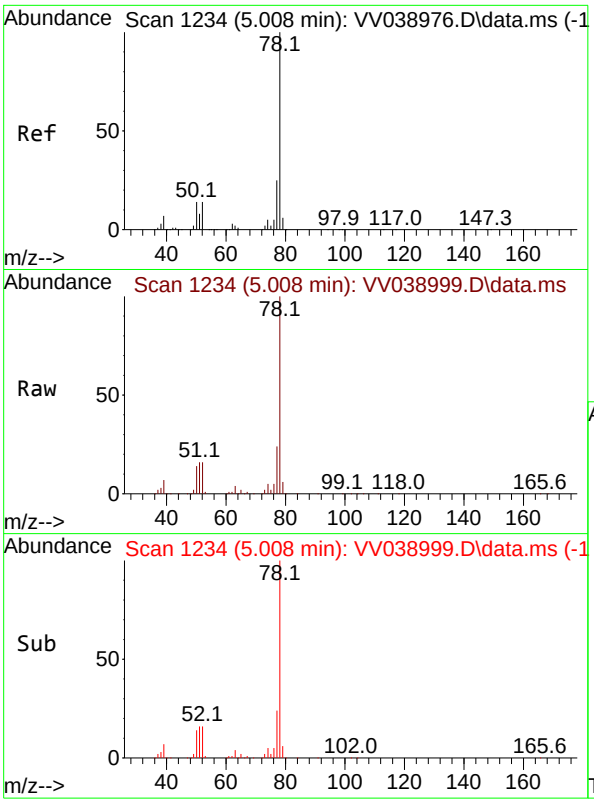


#35
Dibromofluoromethane
Concen: 44.588 ug/l
RT: 4.503 min Scan# 1077
Delta R.T. -0.000 min
Lab File: VV038999.D
Acq: 21 Aug 2025 22:11

Tgt Ion:113 Resp: 385583

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.3	121.9
192	18.0	15.4	23.0



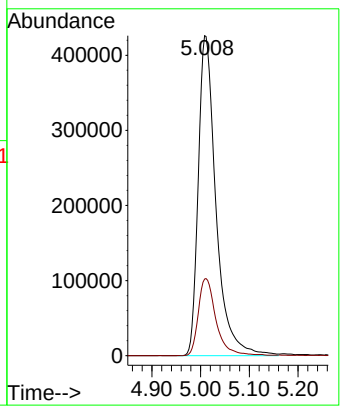


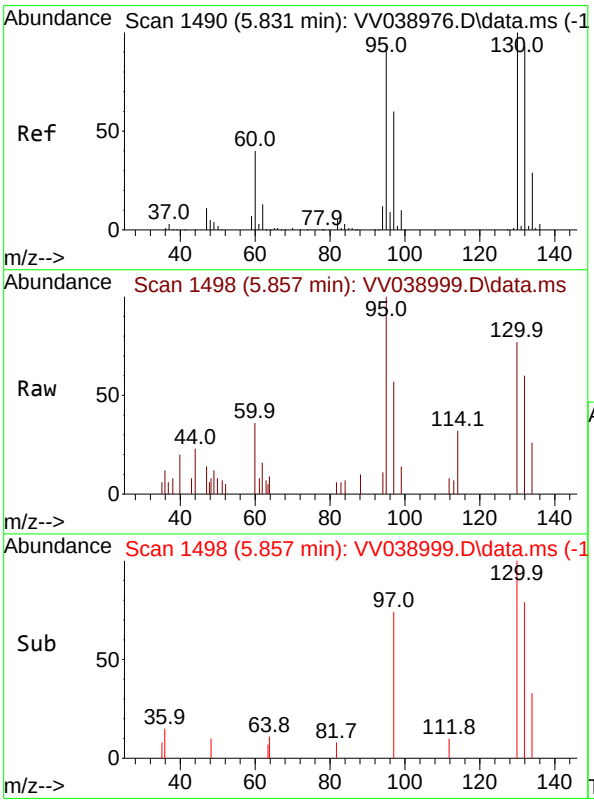
#40
Benzene
Concen: 30.653 ug/l
RT: 5.008 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV038999.D
Acq: 21 Aug 2025 22:11

Instrument :
MSVOA_V
ClientSampleId :
MW-2A-082025

Tgt Ion: 78 Resp: 1078206

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.6	29.4

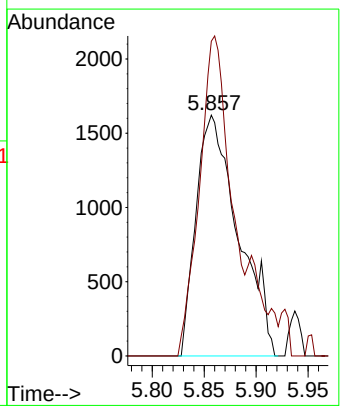


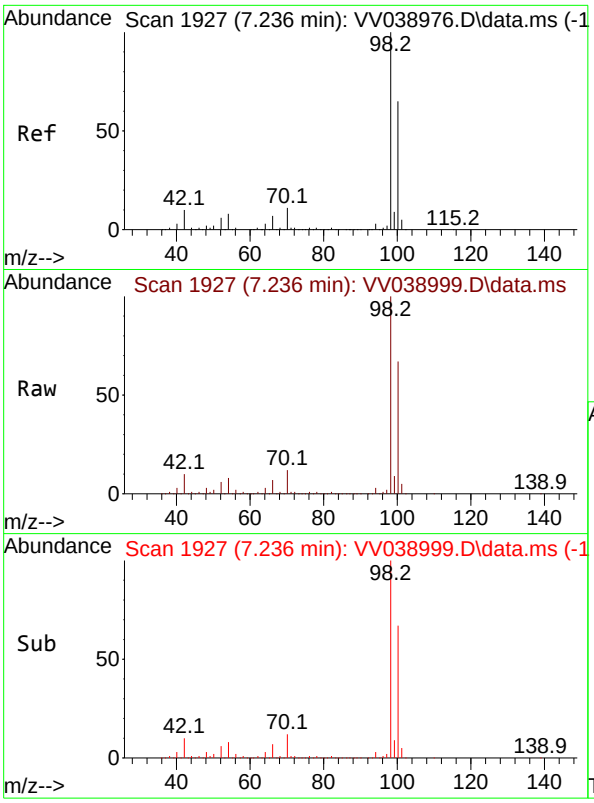


#44
Trichloroethene
Concen: 0.483 ug/l
RT: 5.857 min Scan# 1498
Delta R.T. 0.026 min
Lab File: VV038999.D
Acq: 21 Aug 2025 22:11

Tgt Ion:130 Resp: 4604

Ion	Ratio	Lower	Upper
130	100		
95	130.6	0.0	186.6



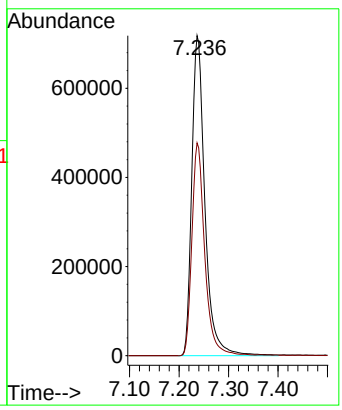


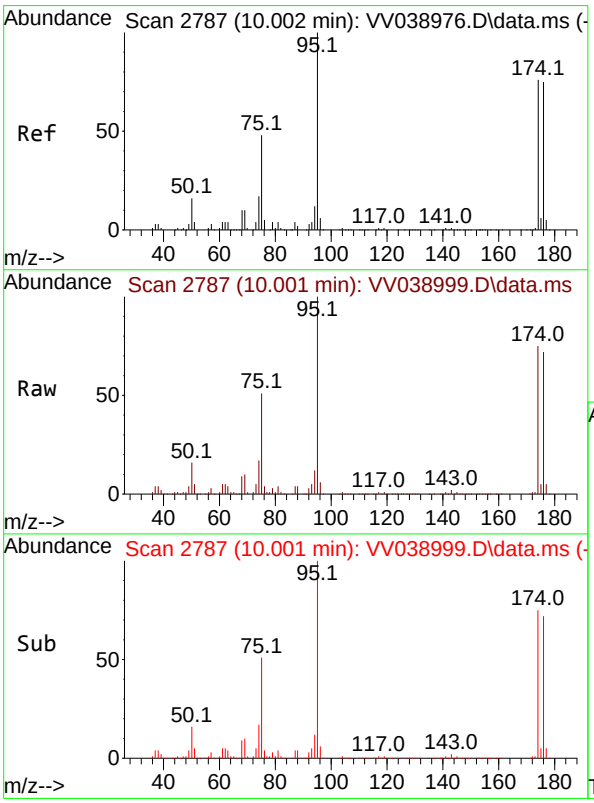
#50
Toluene-d8
Concen: 43.977 ug/l
RT: 7.236 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV038999.D
Acq: 21 Aug 2025 22:11

Instrument :
MSVOA_V
ClientSampleId :
MW-2A-082025

Tgt Ion: 98 Resp: 1326138

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.2	78.2

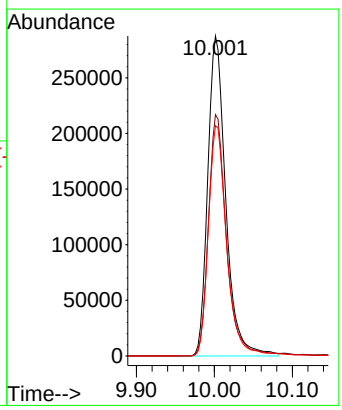


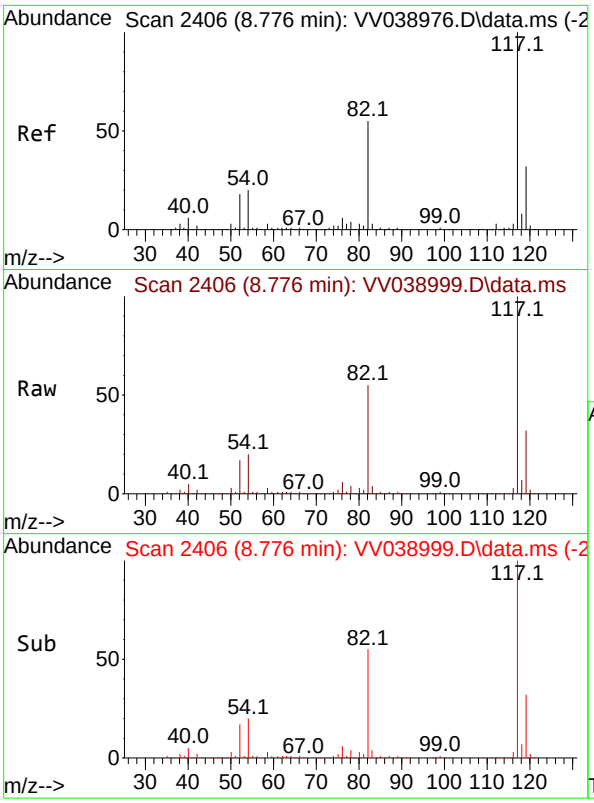


#62
4-Bromofluorobenzene
Concen: 41.887 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. -0.000 min
Lab File: VV038999.D
Acq: 21 Aug 2025 22:11

Tgt Ion: 95 Resp: 462072

Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	154.4
176	73.7	0.0	148.6



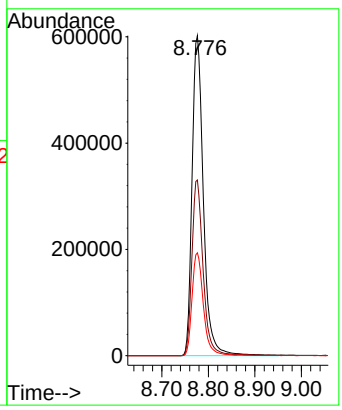


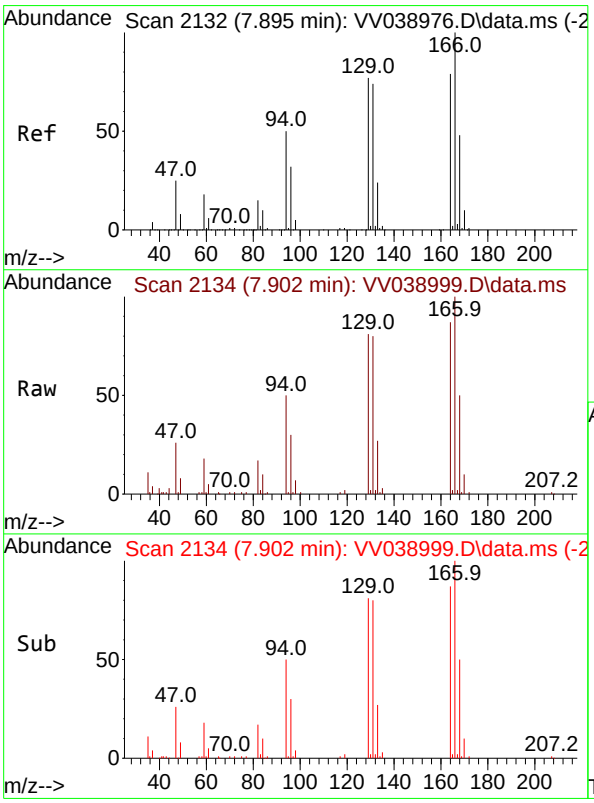
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 24
Delta R.T. 0.000 min
Lab File: VV038999.D
Acq: 21 Aug 2025 22:11

Instrument :
MSVOA_V
ClientSampleId :
MW-2A-082025

Tgt Ion:117 Resp: 1016294

Ion	Ratio	Lower	Upper
117	100		
82	54.9	44.4	66.6
119	32.1	26.0	39.0

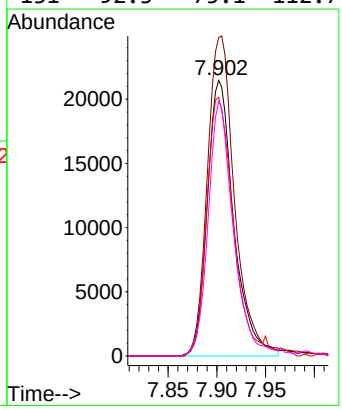


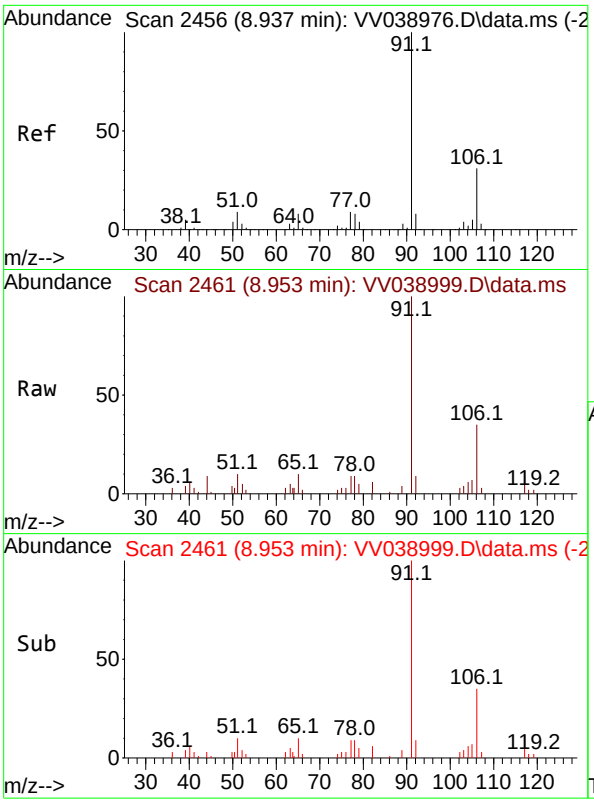


#64
Tetrachloroethene
Concen: 5.357 ug/l
RT: 7.902 min Scan# 2134
Delta R.T. 0.006 min
Lab File: VV038999.D
Acq: 21 Aug 2025 22:11

Tgt Ion:164 Resp: 40507

Ion	Ratio	Lower	Upper
164	100		
166	115.6	101.8	152.6
129	93.8	78.7	118.1
131	92.3	75.1	112.7



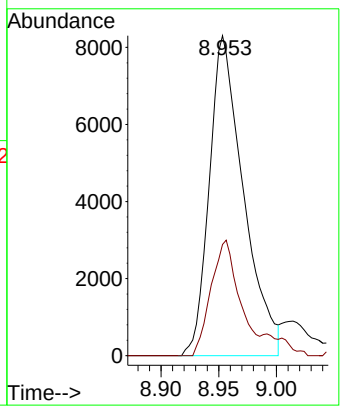


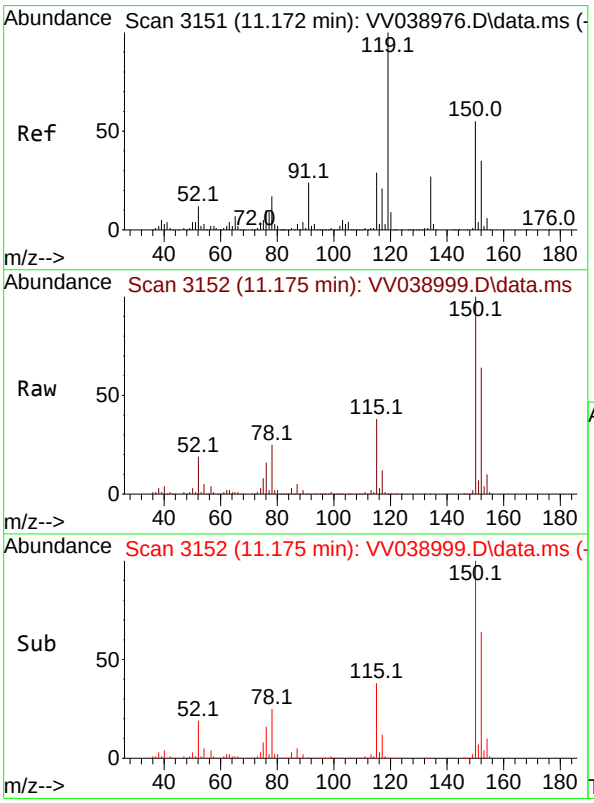
#67
Ethyl Benzene
Concen: 0.457 ug/l
RT: 8.953 min Scan# 24
Delta R.T. 0.016 min
Lab File: VV038999.D
Acq: 21 Aug 2025 22:11

Instrument :
MSVOA_V
ClientSampleId :
MW-2A-082025

Tgt Ion: 91 Resp: 17096

Ion	Ratio	Lower	Upper
91	100		
106	34.8	24.6	36.8

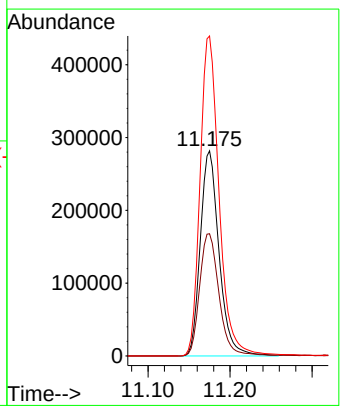


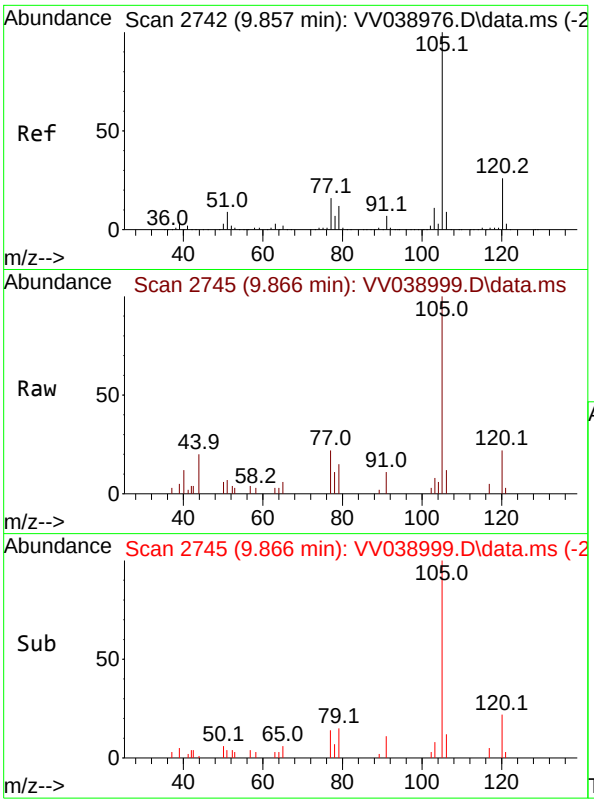


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.175 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VV038999.D
Acq: 21 Aug 2025 22:11

Tgt Ion:152 Resp: 448609

Ion	Ratio	Lower	Upper
152	100		
115	61.3	42.5	127.5
150	158.7	0.0	344.8



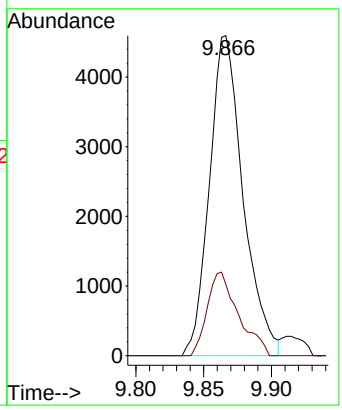


#73
Isopropylbenzene
Concen: 0.263 ug/l
RT: 9.866 min Scan# 2
Delta R.T. 0.010 min
Lab File: VV038999.D
Acq: 21 Aug 2025 22:11

Instrument :
MSVOA_V
ClientSampleId :
MW-2A-082025

Tgt Ion:105 Resp: 7927

Ion	Ratio	Lower	Upper
105	100		
120	24.1	13.1	39.1



Sample Results: **VV038999.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038999.D
Acq On : 21 Aug 2025 22:11
Operator : SY/MD
Sample : Q2924-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-2A-082025

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_V\Method\82V082125W.M
Title : SW846 8260

Signal : TIC: VV038999.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.195	38	48	108	rBV	1319541	6141538	100.00%	19.233%
2	1.838	238	248	285	rVB	1265801	2480353	40.39%	7.767%
3	2.117	326	335	358	rVB	608869	1094777	17.83%	3.428%
4	2.220	358	367	389	rBV	300299	584330	9.51%	1.830%
5	4.291	998	1011	1035	rBV3	25736	85288	1.39%	0.267%
6	4.503	1063	1077	1096	rBV	449727	1190974	19.39%	3.730%
7	4.600	1096	1107	1160	rVB	728352	2024019	32.96%	6.338%
8	4.940	1200	1213	1224	rBV	496776	1106662	18.02%	3.466%
9	5.008	1224	1234	1269	rVB	915256	2330967	37.95%	7.300%
10	5.532	1386	1397	1439	rBV	1156371	2640347	42.99%	8.268%
11	7.236	1916	1927	1970	rBV	1857657	3453812	56.24%	10.816%
12	7.902	2116	2134	2159	rBV2	161577	312719	5.09%	0.979%
13	8.776	2391	2406	2432	rBV	1772429	2994276	48.75%	9.377%
14	10.001	2776	2787	2823	rBV	1355883	2215980	36.08%	6.939%
15	11.175	3140	3152	3177	rBV	1652445	2688488	43.78%	8.419%
16	11.455	3229	3239	3259	rBV	74292	130203	2.12%	0.408%
17	13.429	3843	3853	3881	rBV	206706	372424	6.06%	1.166%
18	14.744	4253	4262	4277	rBV2	47457	85877	1.40%	0.269%

Sum of corrected areas: 31933034

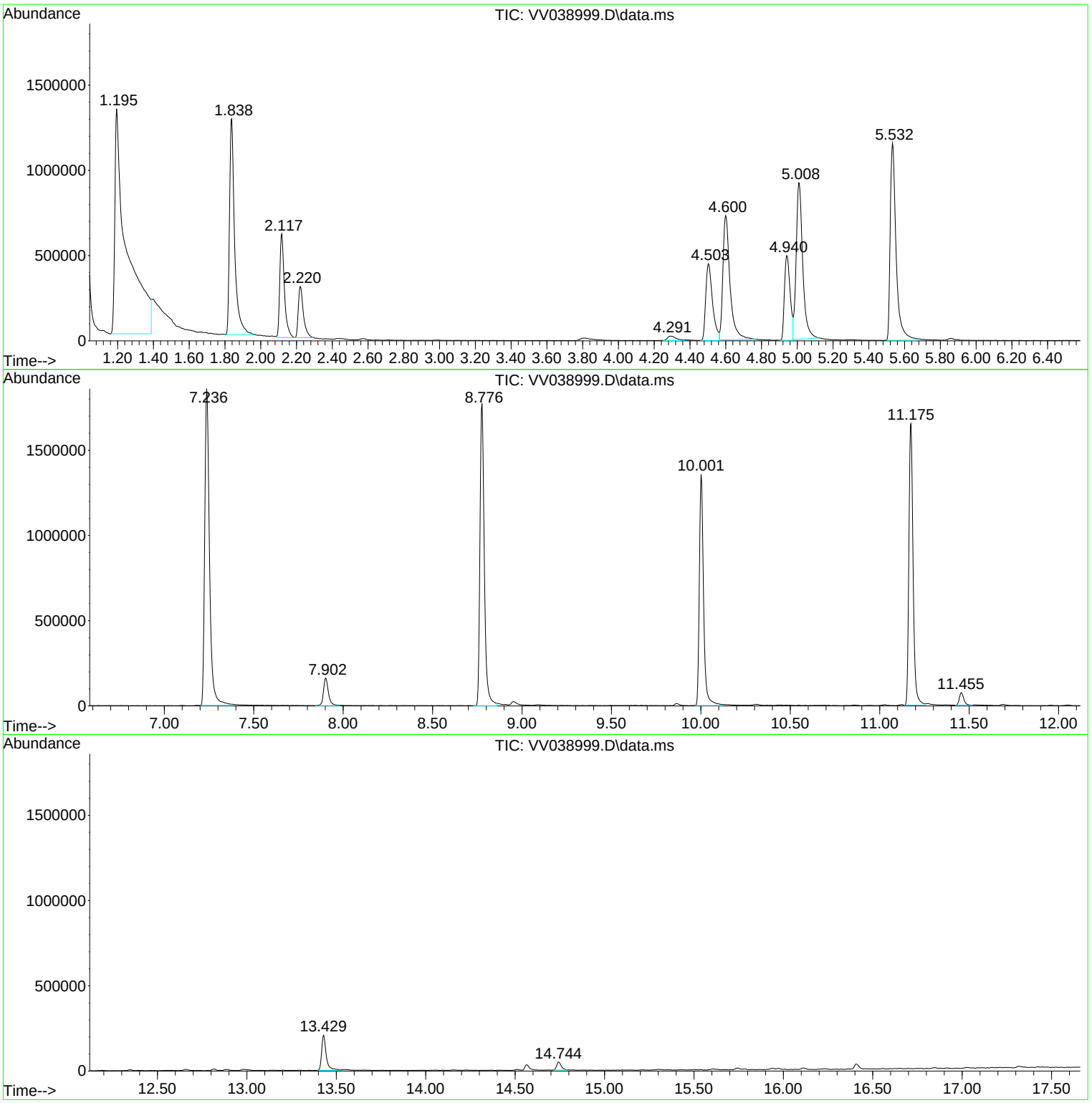
Sample Results: **VV038999.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038999.D
Acq On : 21 Aug 2025 22:11
Operator : SY/MD
Sample : Q2924-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-2A-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

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



Sample Results: **VV038999.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038999.D
Acq On : 21 Aug 2025 22:11
Operator : SY/MD
Sample : Q2924-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-2A-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

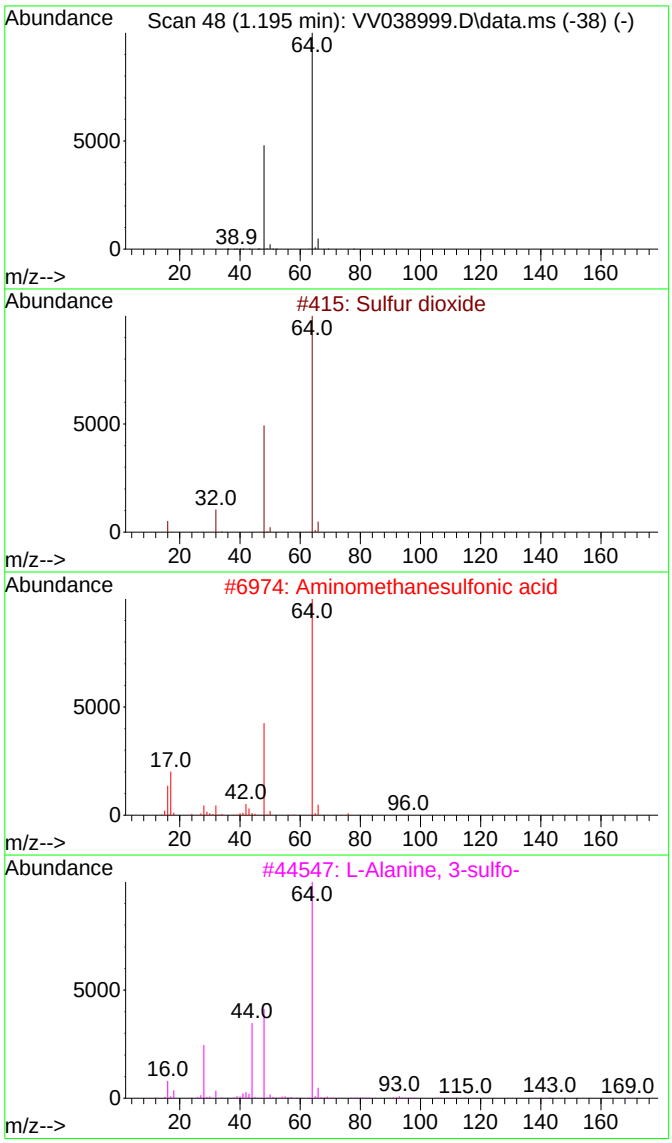
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

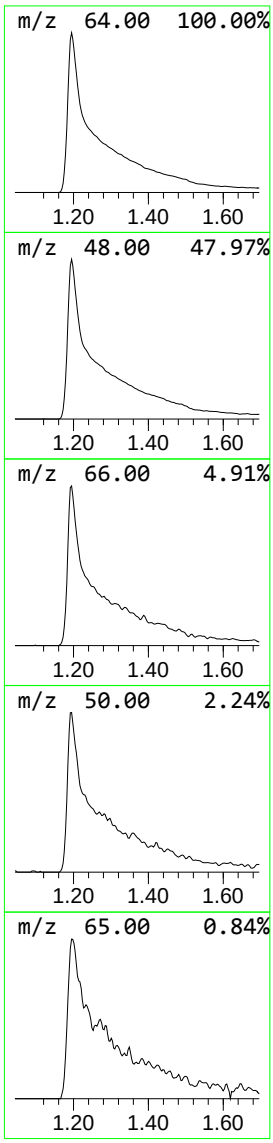
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.195	151.72 ug/l	6141540	Pentafluorobenzene	4.600

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038999.D
Acq On : 21 Aug 2025 22:11
Operator : SY/MD
Sample : Q2924-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-2A-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

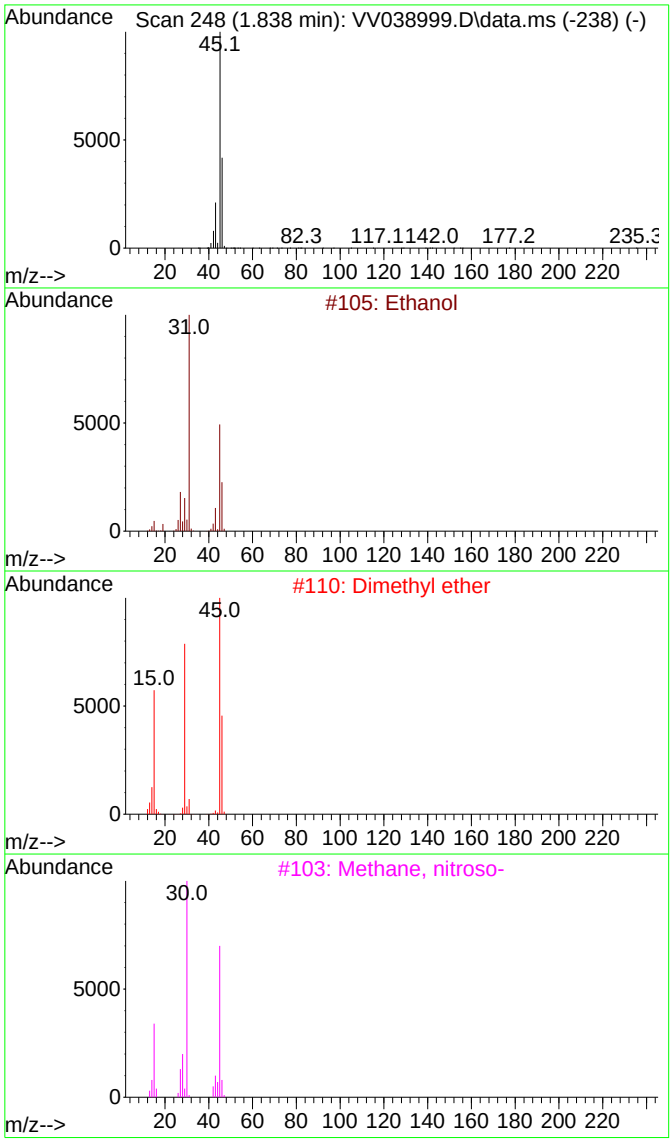
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

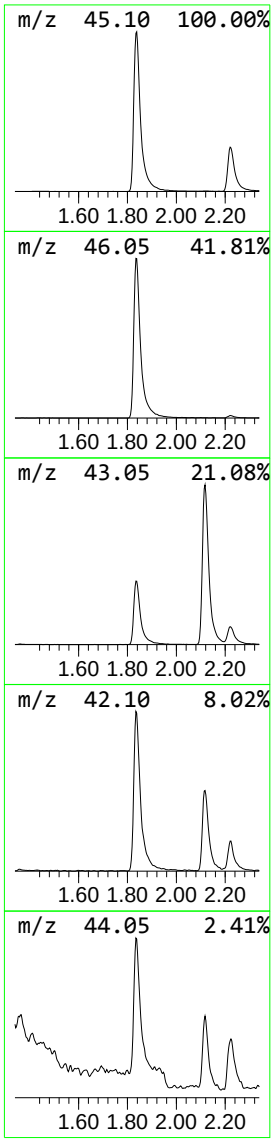
****

Peak Number 2 Ethanol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.838	61.27 ug/l	2480350	Pentafluorobenzene	4.600

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol	46	C2H6O	000064-17-5	78
2	Dimethyl ether	46	C2H6O	000115-10-6	9
3	Methane, nitroso-	45	CH3NO	000865-40-7	4
4	Formic acid	46	CH2O2	000064-18-6	4
5	Oxalic acid	90	C2H2O4	000144-62-7	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038999.D
Acq On : 21 Aug 2025 22:11
Operator : SY/MD
Sample : Q2924-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-2A-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

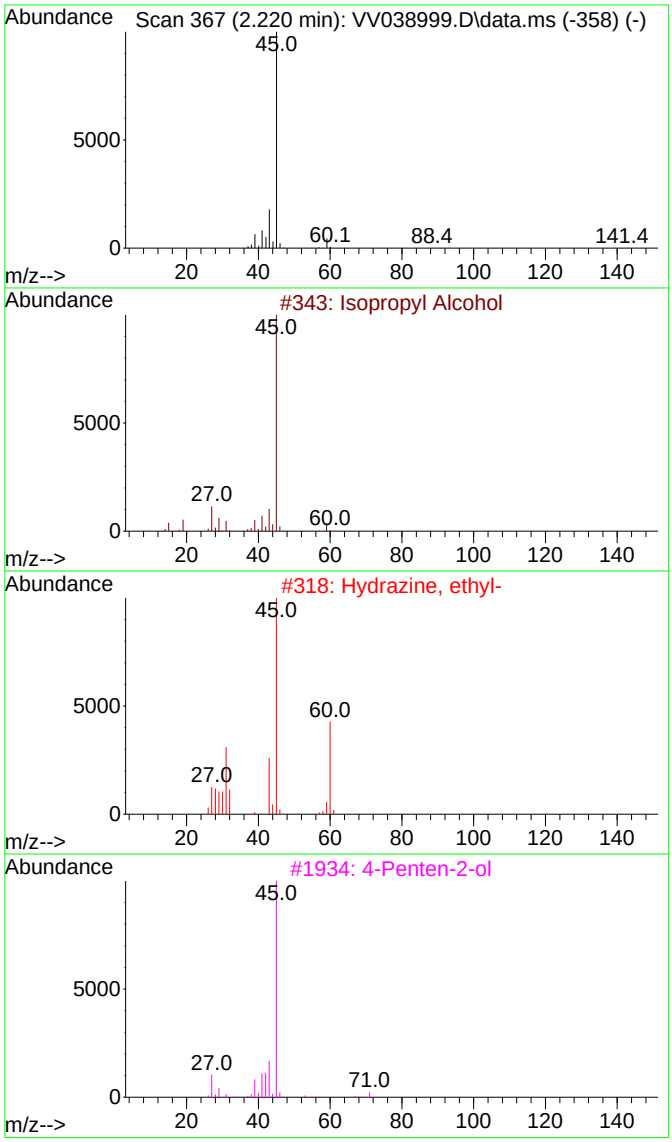
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

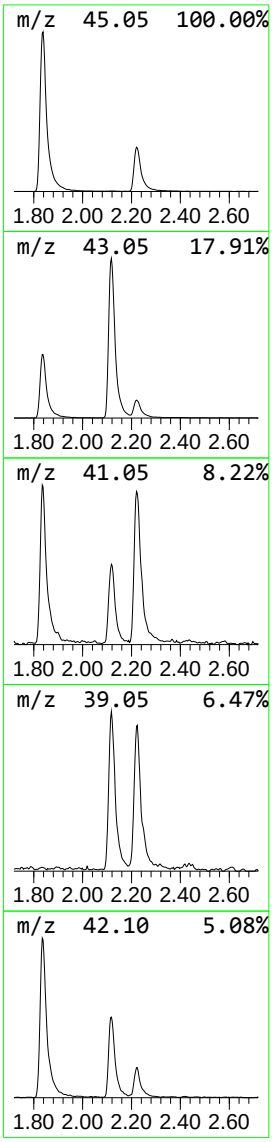
****

Peak Number 3 Isopropyl Alcohol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.220	14.43 ug/l	584330	Pentafluorobenzene	4.600

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	86
2	Hydrazine, ethyl-	60	C2H8N2	000624-80-6	9
3	4-Penten-2-ol	86	C5H10O	000625-31-0	9
4	Hydrazine, 1,2-dimethyl-	60	C2H8N2	000540-73-8	9
5	Formamide	45	CH3NO	000075-12-7	5





Sample Results: **VV038999.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038999.D
Acq On : 21 Aug 2025 22:11
Operator : SY/MD
Sample : Q2924-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-2A-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.195	151.7	ug/l	6141540	1	4.600	2024020	50.0
Ethanol	1.838	61.3	ug/l	2480350	1	4.600	2024020	50.0
Isopropyl Alcohol	2.220	14.4	ug/l	584330	1	4.600	2024020	50.0

Raw Data: **VV039000.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-18C-082025	SDG No.:	Q2924
Lab Sample ID:	Q2924-07	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039000.D	1	08/21/25 22:33	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.00	U	0.22	5.00	ug/L
74-87-3	Chloromethane	5.00	U	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	37.3		0.26	5.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	5.00	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	5.00	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	5.00	U	0.23	5.00	ug/L
67-64-1	Acetone	1.70	J	1.50	25.0	ug/L
75-15-0	Carbon Disulfide	5.00	U	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	5.30		0.16	5.00	ug/L
79-20-9	Methyl Acetate	5.00	U	0.27	5.00	ug/L
75-09-2	Methylene Chloride	5.00	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	5.90		0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	5.00	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.50	5.00	ug/L
78-93-3	2-Butanone	25.0	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	6.20		0.19	5.00	ug/L
74-97-5	Bromochloromethane	5.00	U	0.22	5.00	ug/L
67-66-3	Chloroform	5.00	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	5.00	U	0.16	5.00	ug/L
71-43-2	Benzene	0.65	J	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	5.00	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	2.20	J	0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	5.00	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	5.00	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	U	0.68	25.0	ug/L
108-88-3	Toluene	4.30	J	0.14	5.00	ug/L

Raw Data: **VV039000.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-18C-082025	SDG No.:	Q2924
Lab Sample ID:	Q2924-07	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039000.D	1	08/21/25 22:33	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	5.00	U	0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	U	0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	5.00	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	25.0	U	0.89	25.0	ug/L
124-48-1	Dibromochloromethane	5.00	U	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	5.00	U	0.15	5.00	ug/L
127-18-4	Tetrachloroethene	2.10	J	0.23	5.00	ug/L
108-90-7	Chlorobenzene	5.00	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	5.00	U	0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	10.0	U	0.24	10.0	ug/L
95-47-6	o-Xylene	5.00	U	0.12	5.00	ug/L
100-42-5	Styrene	5.00	U	0.15	5.00	ug/L
75-25-2	Bromoform	5.00	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	5.00	U	0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	U	0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.7		74 - 125	97%	SPK: 50
1868-53-7	Dibromofluoromethane	44.7		75 - 124	89%	SPK: 50
2037-26-5	Toluene-d8	44.0		86 - 113	88%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.2		77 - 121	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	672000	4.6			
540-36-3	1,4-Difluorobenzene	1170000	5.532			
3114-55-4	Chlorobenzene-d5	1010000	8.776			
3855-82-1	1,4-Dichlorobenzene-d4	449000	11.175			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VV039000.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-18C-082025	SDG No.:	Q2924
Lab Sample ID:	Q2924-07	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039000.D	1	08/21/25 22:33	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	38.7	J		1.20	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_V\DATA\VV082125\
Data File : VV039000.D
Acq On : 21 Aug 2025 22:33
Operator : SY/MD
Sample : Q2924-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-18C-082025

Quant Time: Aug 22 04:40:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

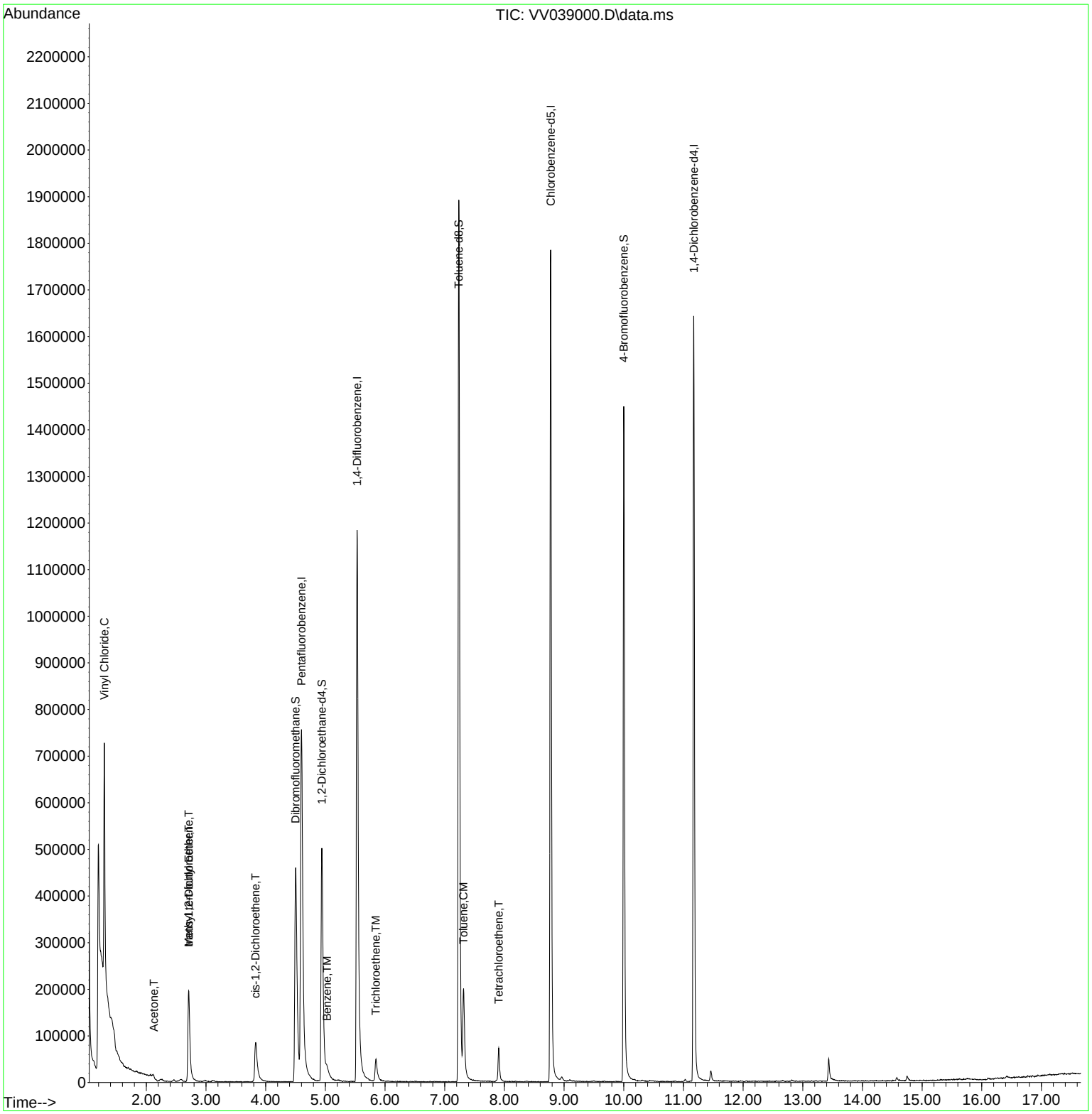
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	671823	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1168529	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	1007735	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	449215	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	458962	48.687	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery =	97.380%		
35) Dibromofluoromethane	4.503	113	391693	44.697	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery =	89.400%		
50) Toluene-d8	7.236	98	1344230	43.989	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery =	87.980%#		
62) 4-Bromofluorobenzene	10.001	95	494467	44.232	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery =	88.460%		
Target Compounds						Qvalue
4) Vinyl Chloride	1.297	62	407911	37.266	ug/l #	75
16) Acetone	2.127	43	6606	1.746	ug/l	88
19) Methyl tert-butyl Ether	2.712	73	120328	5.337	ug/l	96
21) trans-1,2-Dichloroethene	2.709	96	46491	5.854	ug/l	94
27) cis-1,2-Dichloroethene	3.831	96	59509	6.208	ug/l	91
40) Benzene	5.027	78	23025	0.646	ug/l #	90
44) Trichloroethene	5.847	130	21642	2.238	ug/l	88
52) Toluene	7.316	92	97882	4.336	ug/l	98
64) Tetrachloroethene	7.905	164	16022	2.137	ug/l	96

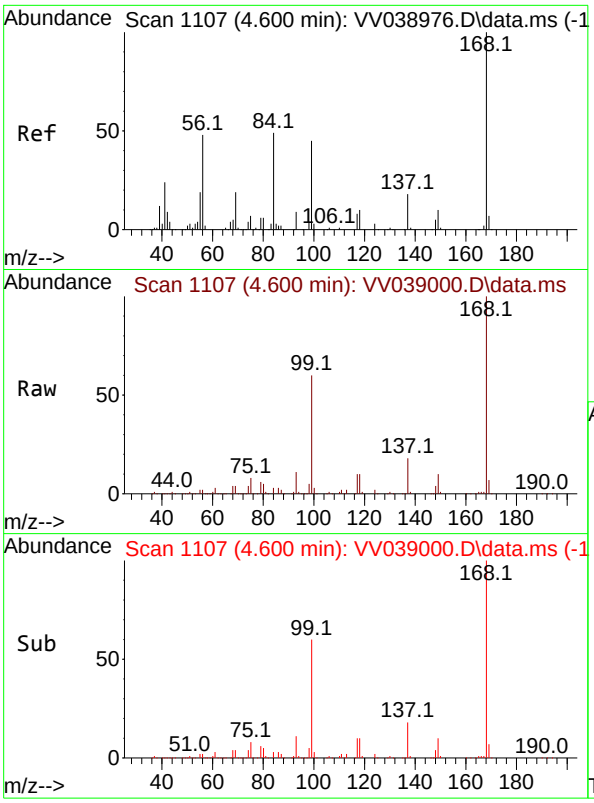
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039000.D
Acq On : 21 Aug 2025 22:33
Operator : SY/MD
Sample : Q2924-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-18C-082025

Quant Time: Aug 22 04:40:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration



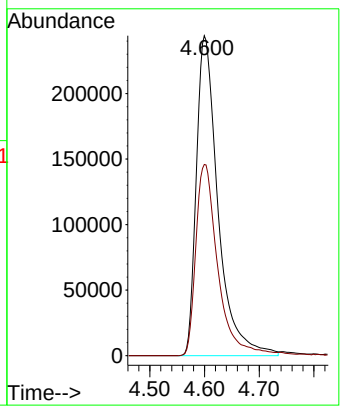


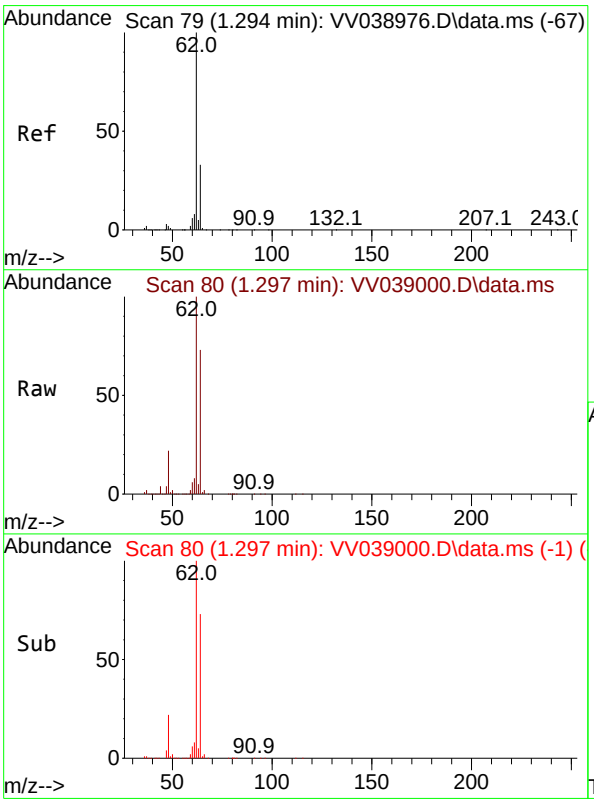
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV039000.D
Acq: 21 Aug 2025 22:33

Instrument :
MSVOA_V
ClientSampleId :
MW-18C-082025

Tgt Ion:168 Resp: 671823

Ion	Ratio	Lower	Upper
168	100		
99	59.8	47.0	70.6

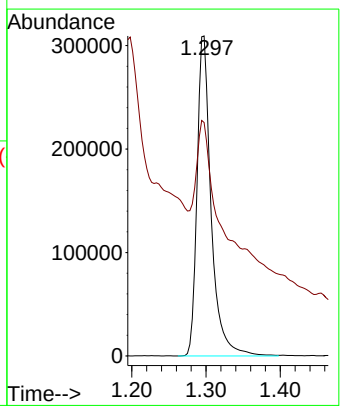


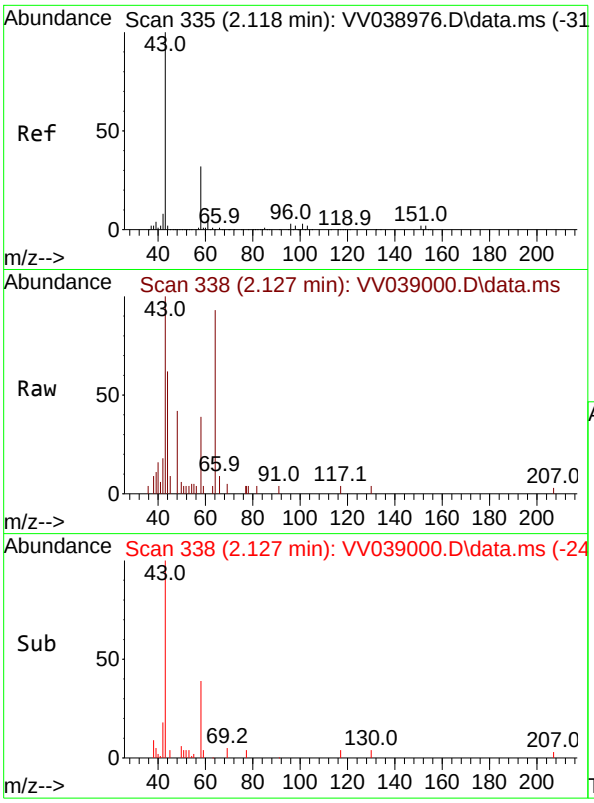


#4
Vinyl Chloride
Concen: 37.266 ug/l
RT: 1.297 min Scan# 80
Delta R.T. 0.003 min
Lab File: VV039000.D
Acq: 21 Aug 2025 22:33

Tgt Ion: 62 Resp: 407911

Ion	Ratio	Lower	Upper
62	100		
64	47.3	26.4	39.6#



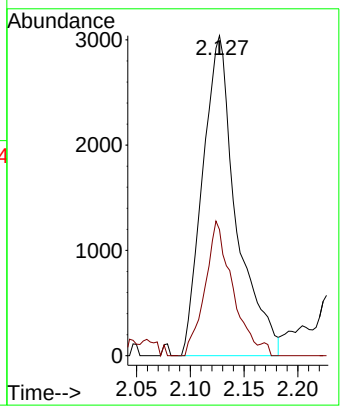


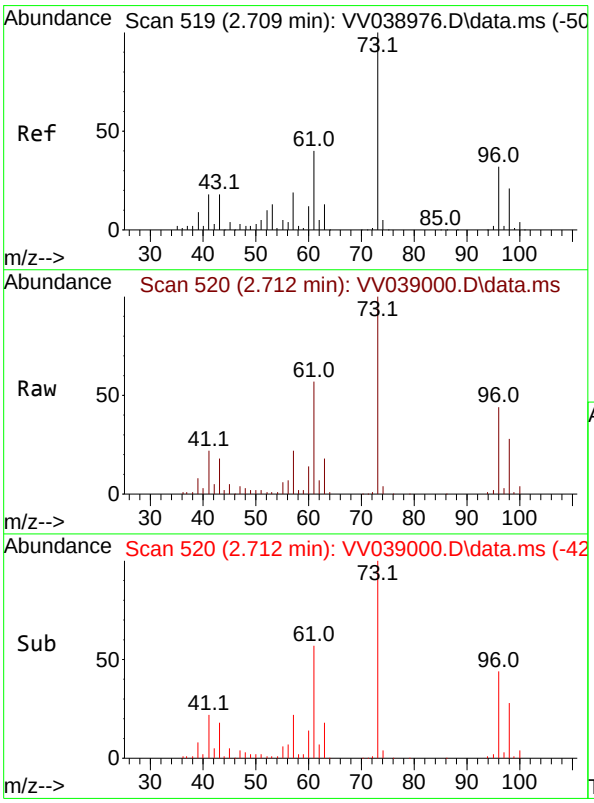
#16
Acetone
Concen: 1.746 ug/l
RT: 2.127 min Scan# 3
Delta R.T. 0.009 min
Lab File: VV039000.D
Acq: 21 Aug 2025 22:33

Instrument :
MSVOA_V
ClientSampleId :
MW-18C-082025

Tgt Ion: 43 Resp: 6606

Ion	Ratio	Lower	Upper
43	100		
58	39.4	26.3	39.5

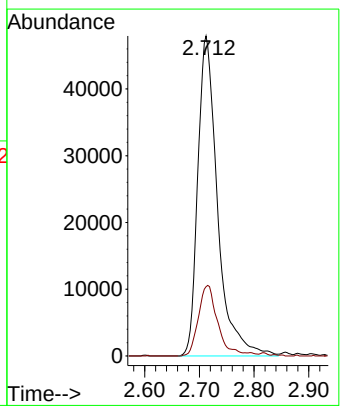


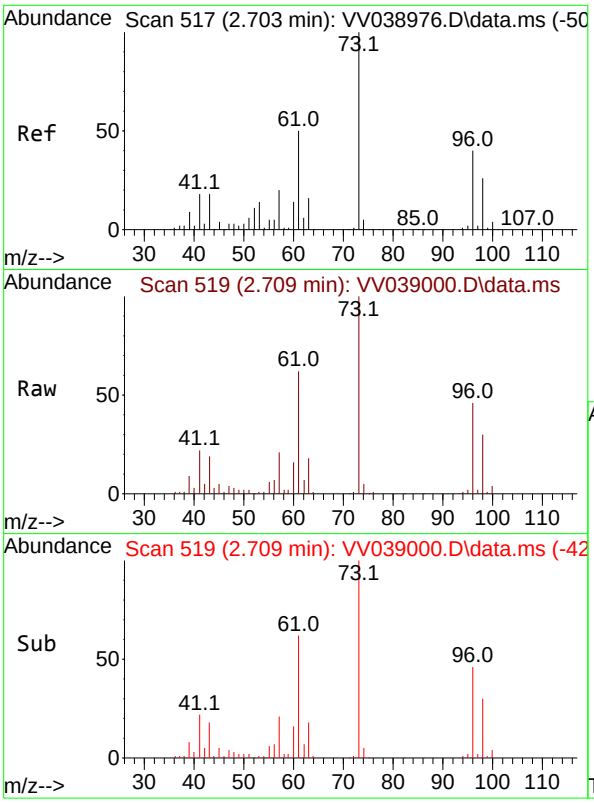


#19
Methyl tert-butyl Ether
Concen: 5.337 ug/l
RT: 2.712 min Scan# 520
Delta R.T. 0.003 min
Lab File: VV039000.D
Acq: 21 Aug 2025 22:33

Tgt Ion: 73 Resp: 120328

Ion	Ratio	Lower	Upper
73	100		
57	21.7	15.7	23.5



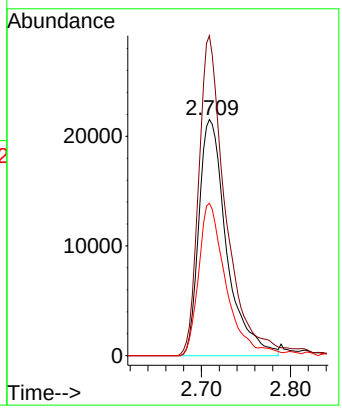


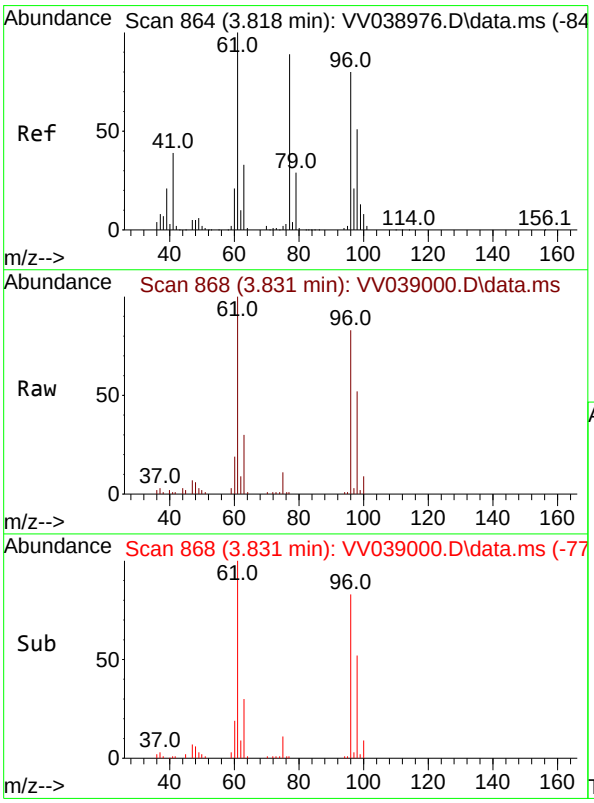
#21
trans-1,2-Dichloroethene
Concen: 5.854 ug/l
RT: 2.709 min Scan# 5
Delta R.T. 0.006 min
Lab File: VV039000.D
Acq: 21 Aug 2025 22:33

Instrument :
MSVOA_V
ClientSampleId :
MW-18C-082025

Tgt Ion: 96 Resp: 46491

Ion	Ratio	Lower	Upper
96	100		
61	135.5	100.6	151.0
98	64.6	51.5	77.3

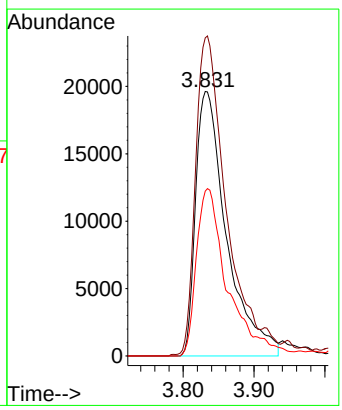


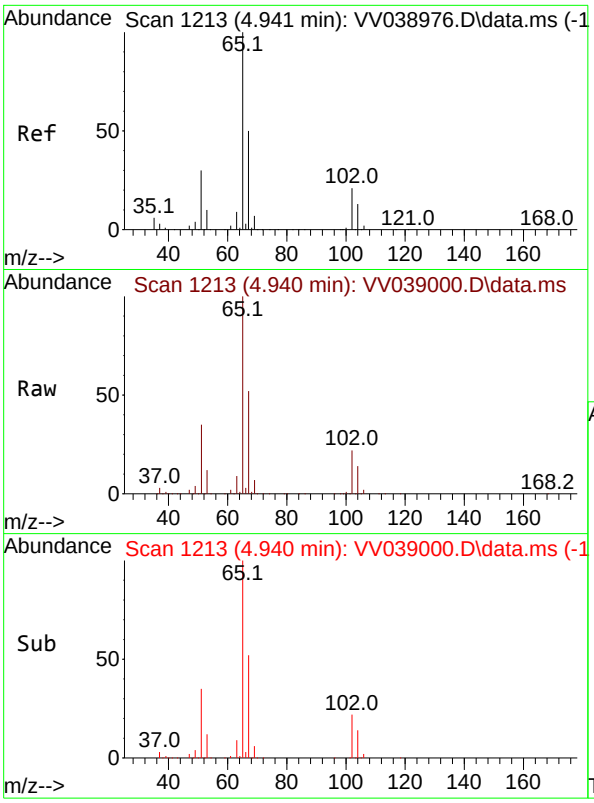


#27
cis-1,2-Dichloroethene
Concen: 6.208 ug/l
RT: 3.831 min Scan# 868
Delta R.T. 0.013 min
Lab File: VV039000.D
Acq: 21 Aug 2025 22:33

Tgt Ion: 96 Resp: 59509

Ion	Ratio	Lower	Upper
96	100		
61	117.3	0.0	264.4
98	63.8	0.0	131.8



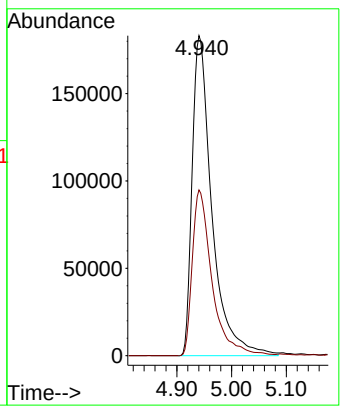


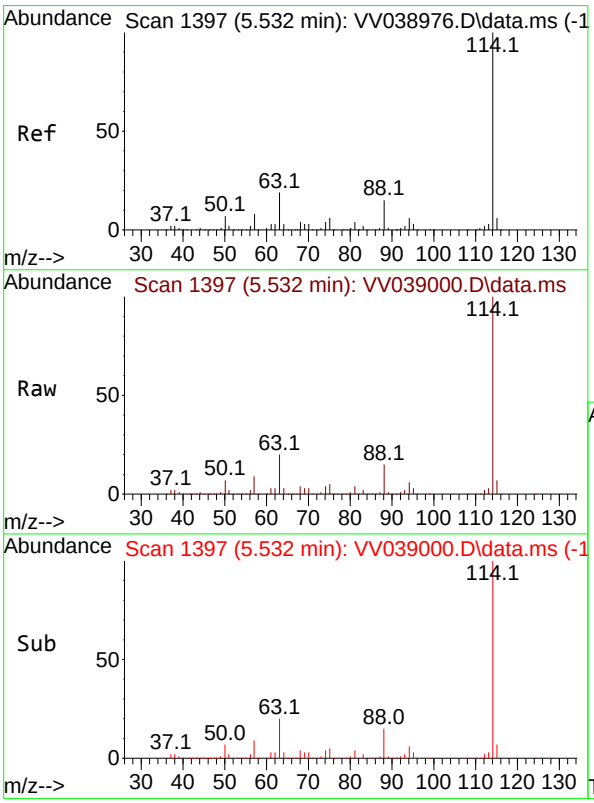
#33
1,2-Dichloroethane-d4
Concen: 48.687 ug/l
RT: 4.940 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039000.D
Acq: 21 Aug 2025 22:33

Instrument :
MSVOA_V
ClientSampleId :
MW-18C-082025

Tgt Ion: 65 Resp: 458962

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	100.4

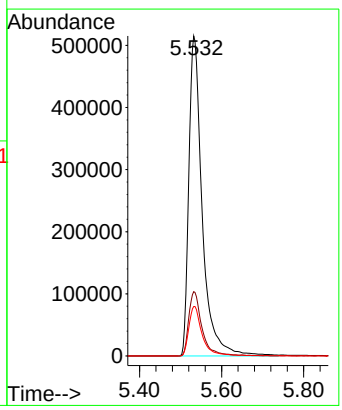


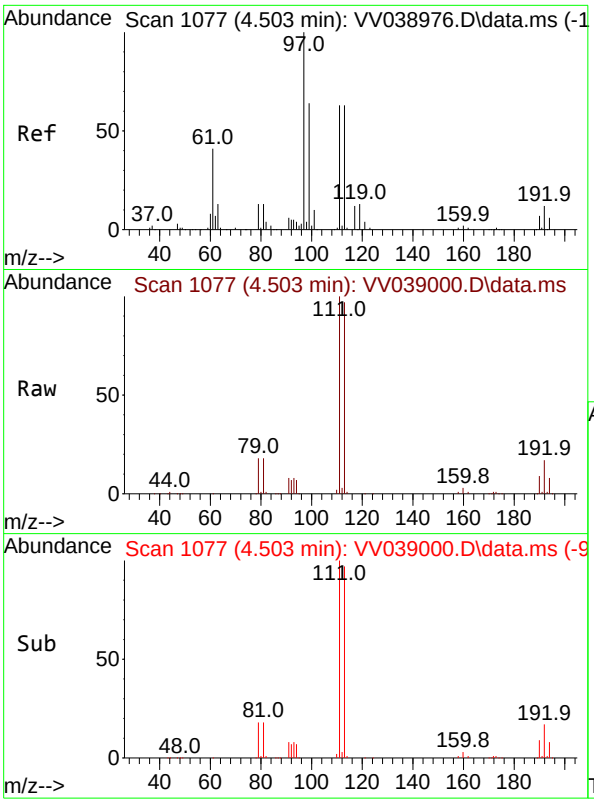


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VV039000.D
Acq: 21 Aug 2025 22:33

Tgt Ion:114 Resp: 1168529

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	37.4
88	15.4	0.0	30.4



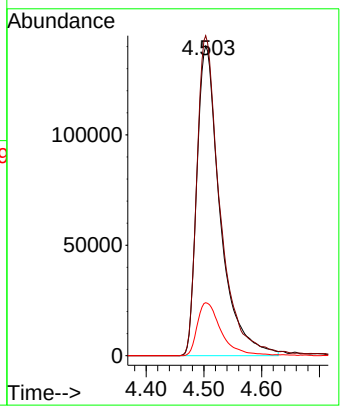


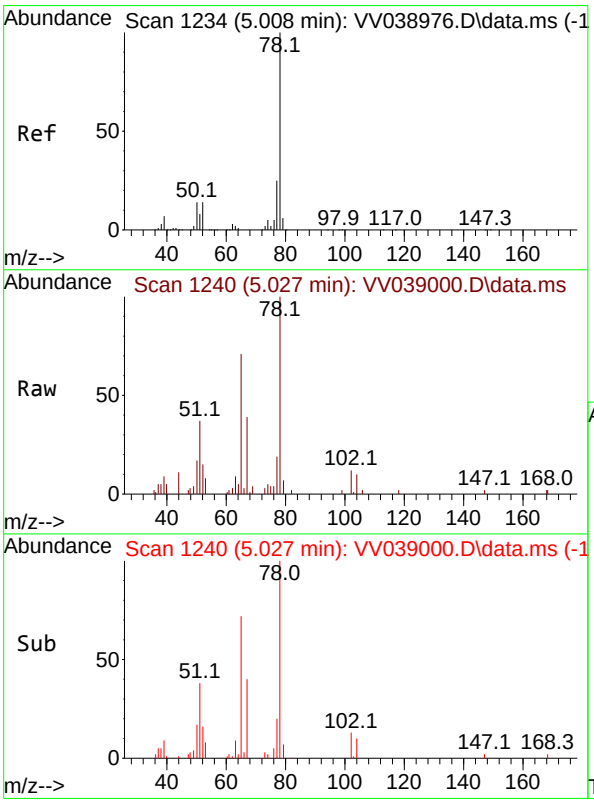
#35
Dibromofluoromethane
Concen: 44.697 ug/l
RT: 4.503 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039000.D
Acq: 21 Aug 2025 22:33

Instrument :
MSVOA_V
ClientSampleId :
MW-18C-082025

Tgt Ion:113 Resp: 391693

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.3	121.9
192	17.5	15.4	23.0

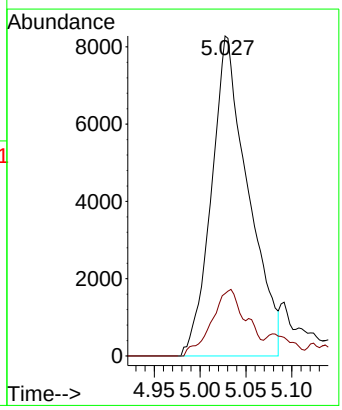


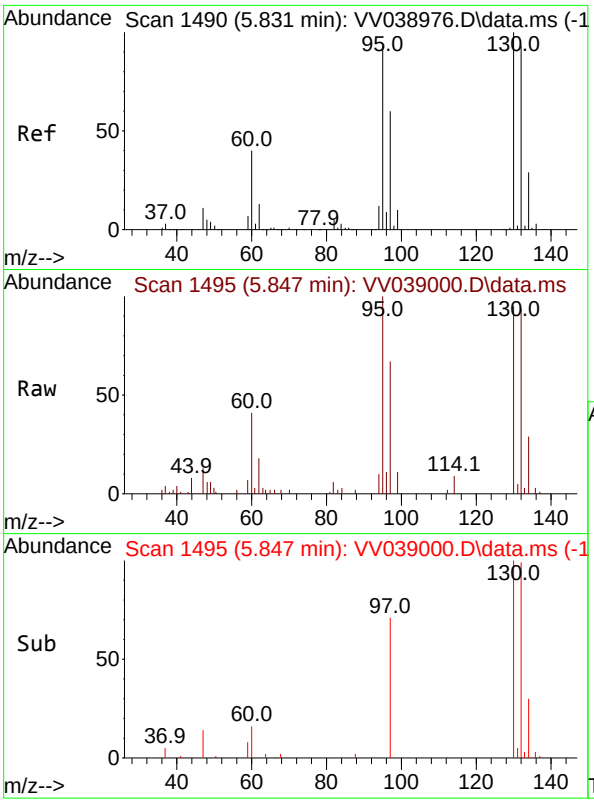


#40
Benzene
Concen: 0.646 ug/l
RT: 5.027 min Scan# 1240
Delta R.T. 0.019 min
Lab File: VV039000.D
Acq: 21 Aug 2025 22:33

Tgt Ion: 78 Resp: 23025

Ion	Ratio	Lower	Upper
78	100		
77	19.5	19.6	29.4#



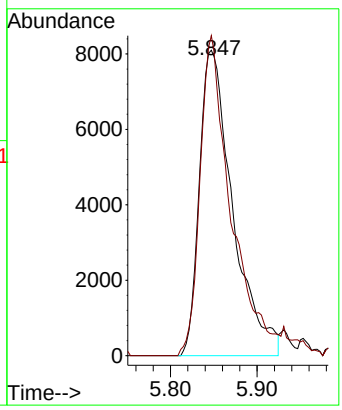


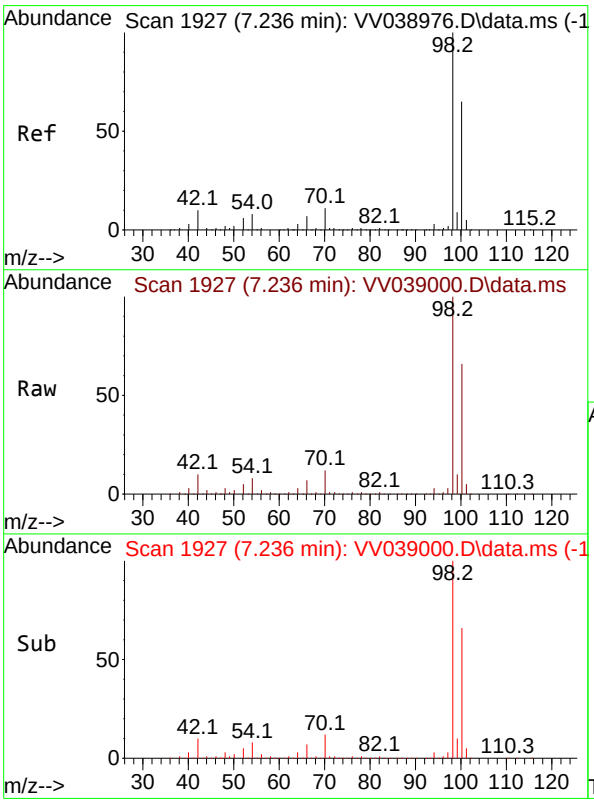
#44
Trichloroethene
Concen: 2.238 ug/l
RT: 5.847 min Scan# 14
Delta R.T. 0.016 min
Lab File: VV039000.D
Acq: 21 Aug 2025 22:33

Instrument :
MSVOA_V
ClientSampleId :
MW-18C-082025

Tgt Ion:130 Resp: 21642

Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	186.6

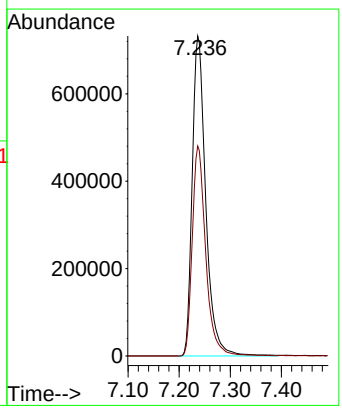


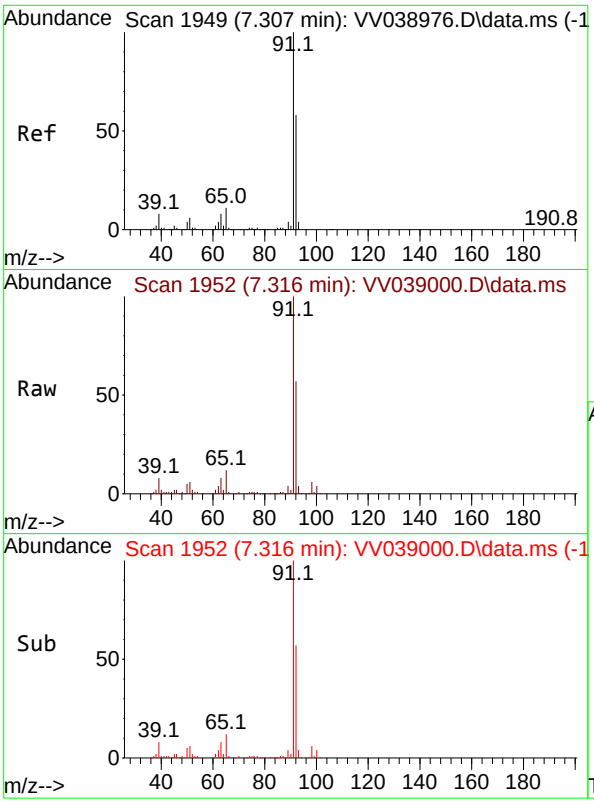


#50
Toluene-d8
Concen: 43.989 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV039000.D
Acq: 21 Aug 2025 22:33

Tgt Ion: 98 Resp: 1344230

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.2	78.2



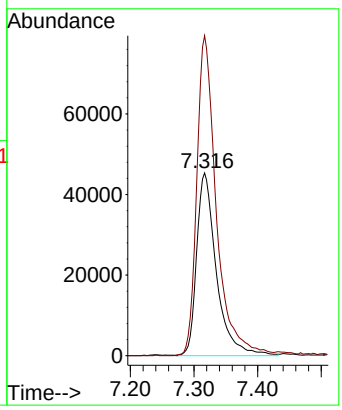


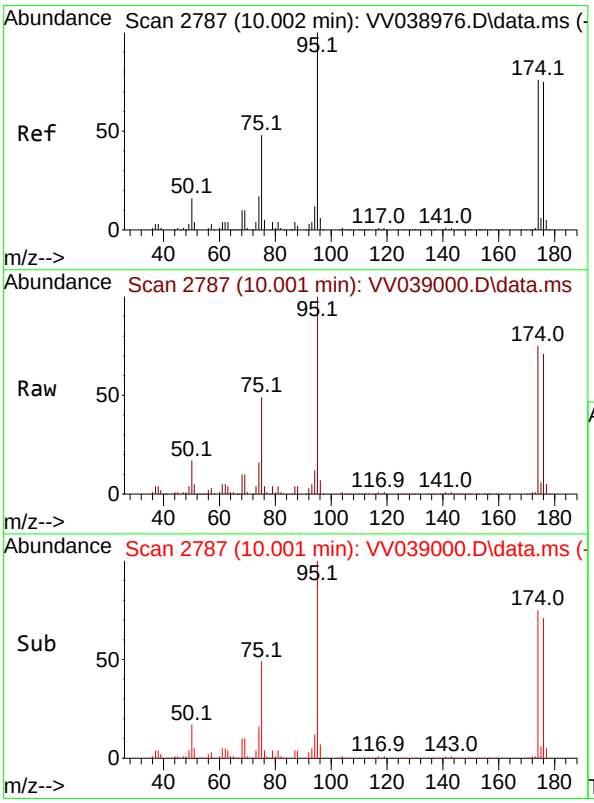
#52
Toluene
Concen: 4.336 ug/l
RT: 7.316 min Scan# 1
Delta R.T. 0.009 min
Lab File: VV039000.D
Acq: 21 Aug 2025 22:33

Instrument :
MSVOA_V
ClientSampleId :
MW-18C-082025

Tgt Ion: 92 Resp: 97882

Ion	Ratio	Lower	Upper
92	100		
91	173.3	136.3	204.5

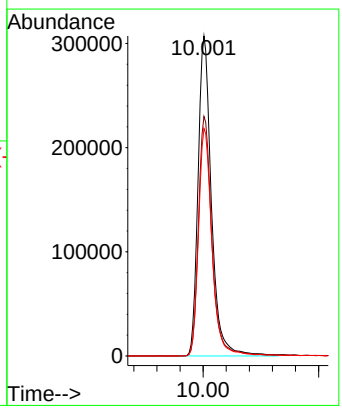


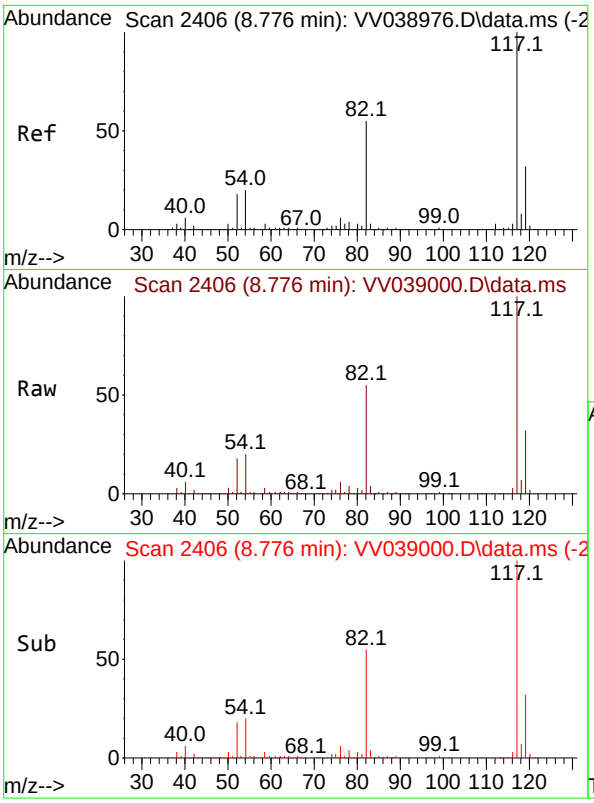


#62
4-Bromofluorobenzene
Concen: 44.232 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. -0.000 min
Lab File: VV039000.D
Acq: 21 Aug 2025 22:33

Tgt Ion: 95 Resp: 494467

Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	154.4
176	71.0	0.0	148.6



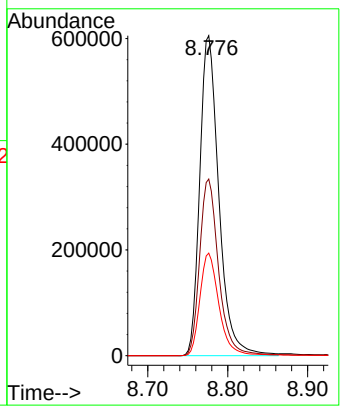


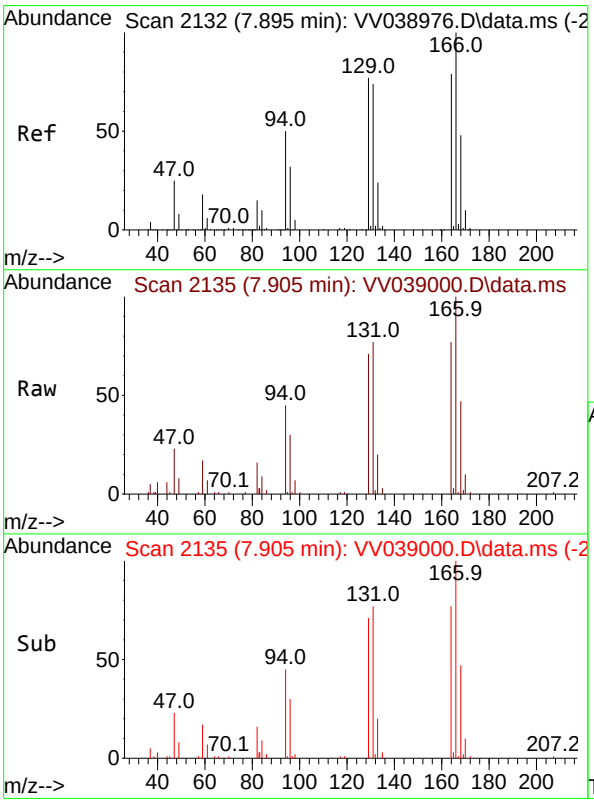
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 24
Delta R.T. 0.000 min
Lab File: VV039000.D
Acq: 21 Aug 2025 22:33

Instrument :
MSVOA_V
ClientSampleId :
MW-18C-082025

Tgt Ion:117 Resp: 1007735

Ion	Ratio	Lower	Upper
117	100		
82	55.2	44.4	66.6
119	32.0	26.0	39.0

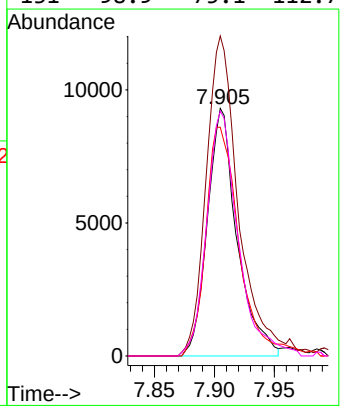


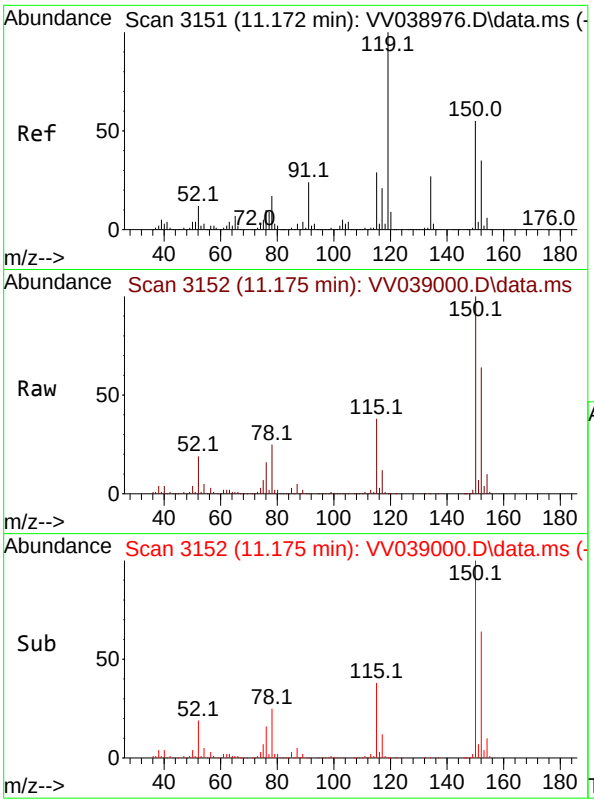


#64
Tetrachloroethene
Concen: 2.137 ug/l
RT: 7.905 min Scan# 2135
Delta R.T. 0.009 min
Lab File: VV039000.D
Acq: 21 Aug 2025 22:33

Tgt Ion:164 Resp: 16022

Ion	Ratio	Lower	Upper
164	100		
166	129.3	101.8	152.6
129	92.4	78.7	118.1
131	98.9	75.1	112.7



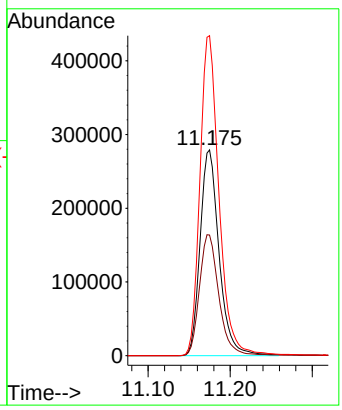


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.175 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV039000.D
Acq: 21 Aug 2025 22:33

Instrument :
MSVOA_V
ClientSampleId :
MW-18C-082025

Tgt Ion:152 Resp: 449215

Ion	Ratio	Lower	Upper
152	100		
115	60.1	42.5	127.5
150	156.6	0.0	344.8



Sample Results: **VV039000.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039000.D
Acq On : 21 Aug 2025 22:33
Operator : SY/MD
Sample : Q2924-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-18C-082025

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_V\Method\82V082125W.M
Title : SW846 8260

Signal : TIC: VV039000.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.198	39	49	72	rBV	478773	1639436	47.62%	7.090%
2	1.294	74	79	111	rVB	614257	1187542	34.49%	5.135%
3	2.709	506	519	551	rBV3	194400	465805	13.53%	2.014%
4	3.834	853	869	902	rBV2	83304	256881	7.46%	1.111%
5	4.503	1062	1077	1095	rBV	458922	1207176	35.06%	5.220%
6	4.600	1096	1107	1161	rVB	751242	2117078	61.49%	9.155%
7	4.940	1202	1213	1236	rBV	498708	1220777	35.46%	5.279%
8	5.532	1385	1397	1445	rBV	1182979	2690669	78.16%	11.636%
9	5.847	1483	1495	1520	rBV3	45979	116291	3.38%	0.503%
10	7.236	1914	1927	1944	rBV	1891392	3442714	100.00%	14.888%
11	7.316	1944	1952	1986	rVB	195860	445559	12.94%	1.927%
12	7.905	2116	2135	2160	rBV2	72191	141832	4.12%	0.613%
13	8.776	2395	2406	2447	rBV	1783789	3026165	87.90%	13.086%
14	10.001	2773	2787	2827	rBV	1448418	2346771	68.17%	10.148%
15	11.172	3141	3151	3187	rBV	1640853	2693936	78.25%	11.650%
16	11.458	3231	3240	3256	rBV	21394	40194	1.17%	0.174%
17	13.435	3846	3855	3868	rBV	48423	85547	2.48%	0.370%

Sum of corrected areas: 23124373

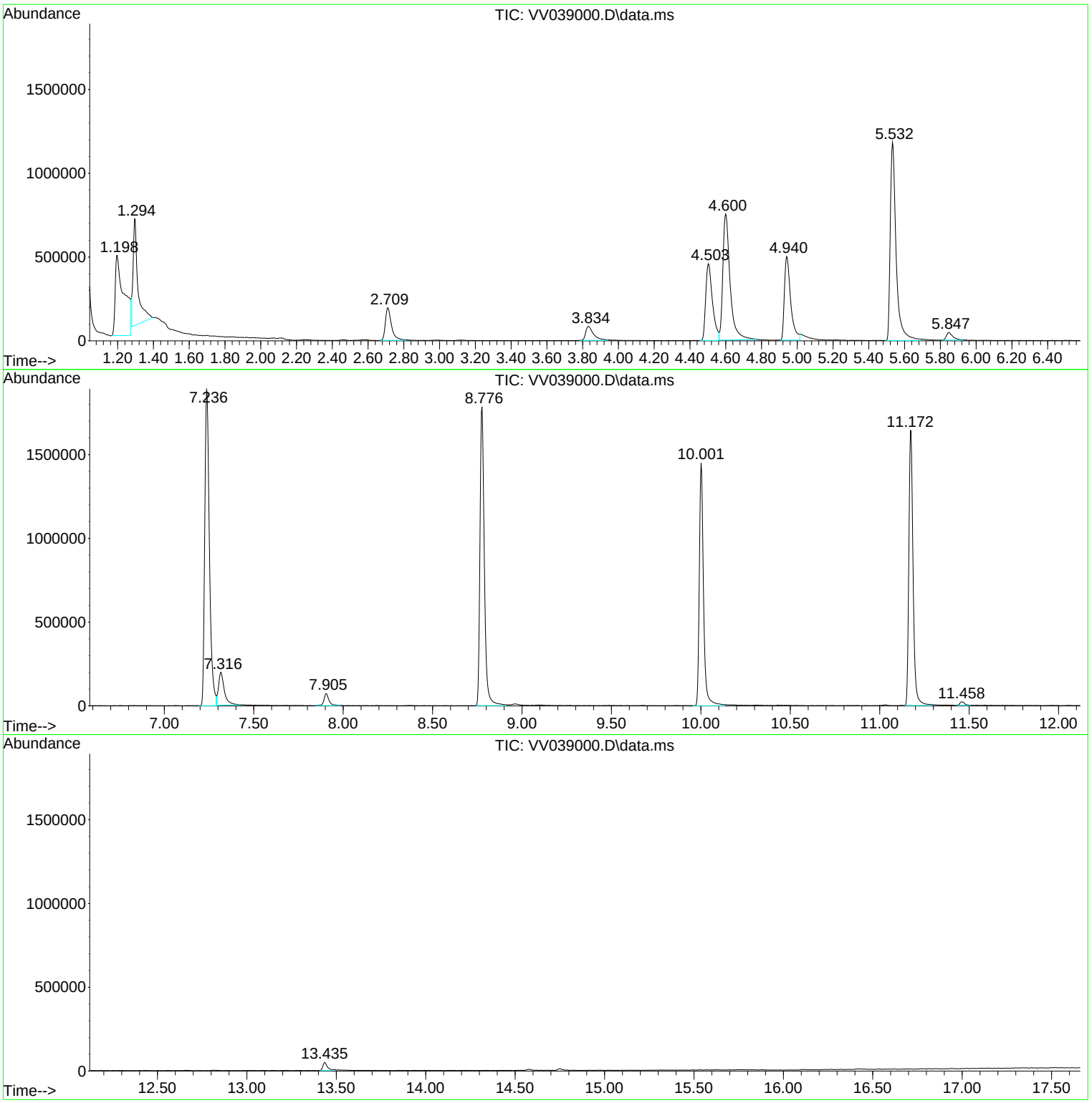
Sample Results: **VV039000.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039000.D
Acq On : 21 Aug 2025 22:33
Operator : SY/MD
Sample : Q2924-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-18C-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039000.D
Acq On : 21 Aug 2025 22:33
Operator : SY/MD
Sample : Q2924-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-18C-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

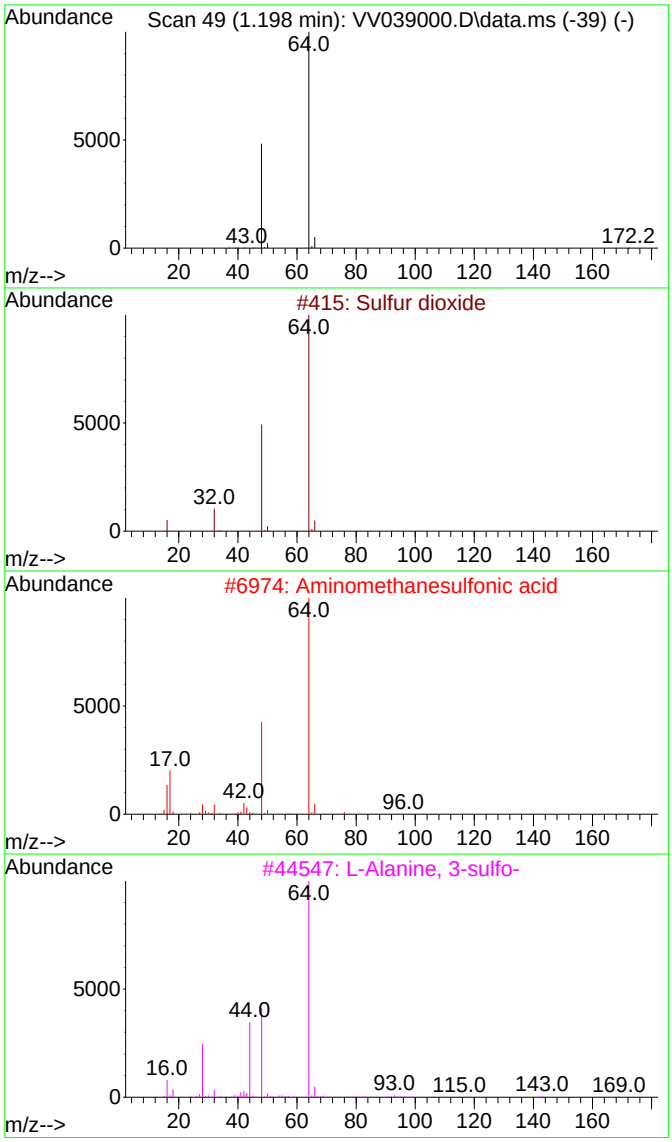
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

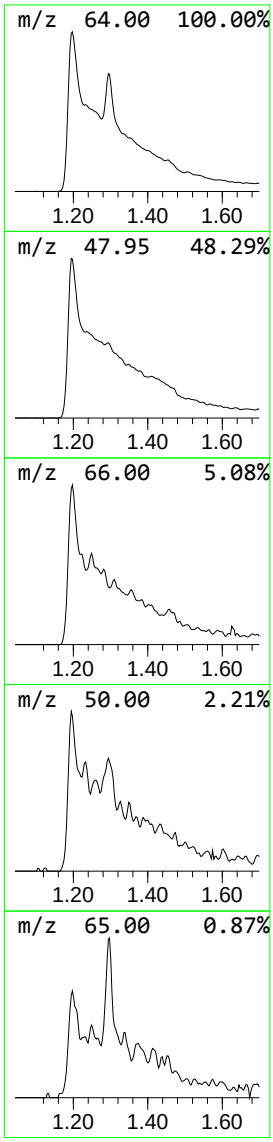
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.198	38.72 ug/l	1639440	Pentafluorobenzene	4.600

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039000.D
Acq On : 21 Aug 2025 22:33
Operator : SY/MD
Sample : Q2924-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-18C-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.198	38.7	ug/l	1639440	1	4.600	2117080	50.0

Raw Data: **VV039001.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-16A-082025	SDG No.:	Q2924
Lab Sample ID:	Q2924-08	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039001.D	1	08/21/25 22:54	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.00	U	0.22	5.00	ug/L
74-87-3	Chloromethane	5.00	U	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	5.00	U	0.26	5.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	5.00	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	5.00	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	5.00	U	0.23	5.00	ug/L
67-64-1	Acetone	25.0	U	1.50	25.0	ug/L
75-15-0	Carbon Disulfide	5.00	U	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	5.00	U	0.16	5.00	ug/L
79-20-9	Methyl Acetate	5.00	U	0.27	5.00	ug/L
75-09-2	Methylene Chloride	5.00	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	5.00	U	0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	5.00	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.50	5.00	ug/L
78-93-3	2-Butanone	25.0	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	5.00	U	0.19	5.00	ug/L
74-97-5	Bromochloromethane	5.00	U	0.22	5.00	ug/L
67-66-3	Chloroform	5.00	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	5.00	U	0.16	5.00	ug/L
71-43-2	Benzene	5.00	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	5.00	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	5.00	U	0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	5.00	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	5.00	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	U	0.68	25.0	ug/L
108-88-3	Toluene	5.00	U	0.14	5.00	ug/L

Raw Data: **VV039001.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-16A-082025	SDG No.:	Q2924
Lab Sample ID:	Q2924-08	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039001.D	1	08/21/25 22:54	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	5.00	U	0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	U	0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	5.00	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	25.0	U	0.89	25.0	ug/L
124-48-1	Dibromochloromethane	5.00	U	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	5.00	U	0.15	5.00	ug/L
127-18-4	Tetrachloroethene	5.00	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	5.00	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	5.00	U	0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	10.0	U	0.24	10.0	ug/L
95-47-6	o-Xylene	5.00	U	0.12	5.00	ug/L
100-42-5	Styrene	5.00	U	0.15	5.00	ug/L
75-25-2	Bromoform	5.00	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	5.00	U	0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	U	0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.1		74 - 125	102%	SPK: 50
1868-53-7	Dibromofluoromethane	45.7		75 - 124	91%	SPK: 50
2037-26-5	Toluene-d8	44.4		86 - 113	89%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.7		77 - 121	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	676000	4.6			
540-36-3	1,4-Difluorobenzene	1210000	5.532			
3114-55-4	Chlorobenzene-d5	1080000	8.776			
3855-82-1	1,4-Dichlorobenzene-d4	494000	11.175			
TENTATIVE IDENTIFIED COMPOUNDS						

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-16A-082025	SDG No.:	Q2924
Lab Sample ID:	Q2924-08	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039001.D	1	08/21/25 22:54	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	100	J		1.20	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_V\DATA\VV082125\
Data File : VV039001.D
Acq On : 21 Aug 2025 22:54
Operator : SY/MD
Sample : Q2924-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-16A-082025

Quant Time: Aug 22 04:40:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

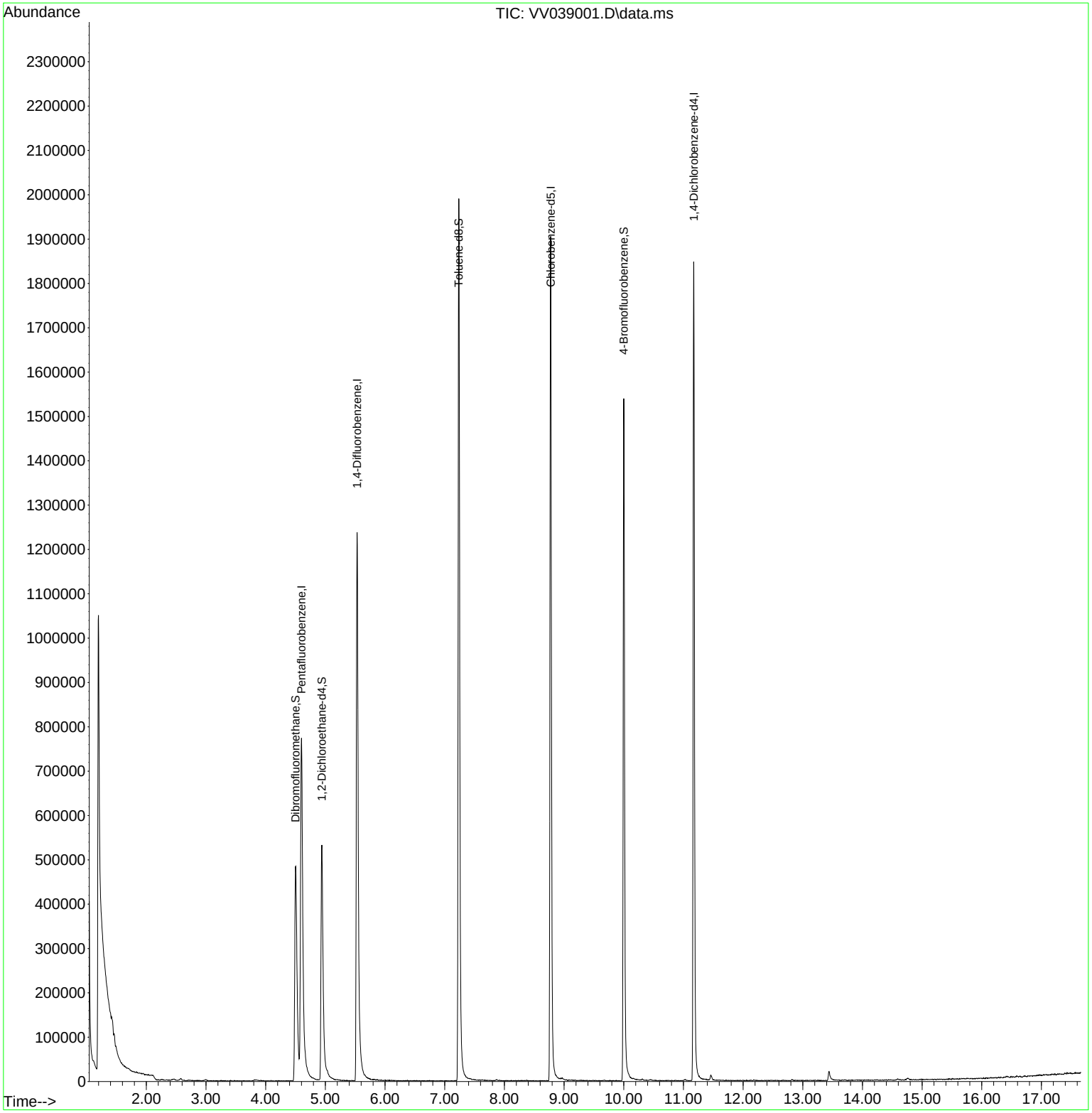
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	676464	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1214643	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	1082468	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	493806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	484721	51.067	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 102.140%			
35) Dibromofluoromethane	4.500	113	416739	45.749	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 91.500%			
50) Toluene-d8	7.236	98	1409493	44.373	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 88.740%#			
62) 4-Bromofluorobenzene	10.001	95	519985	44.749	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 89.500%			
Target Compounds						Qvalue

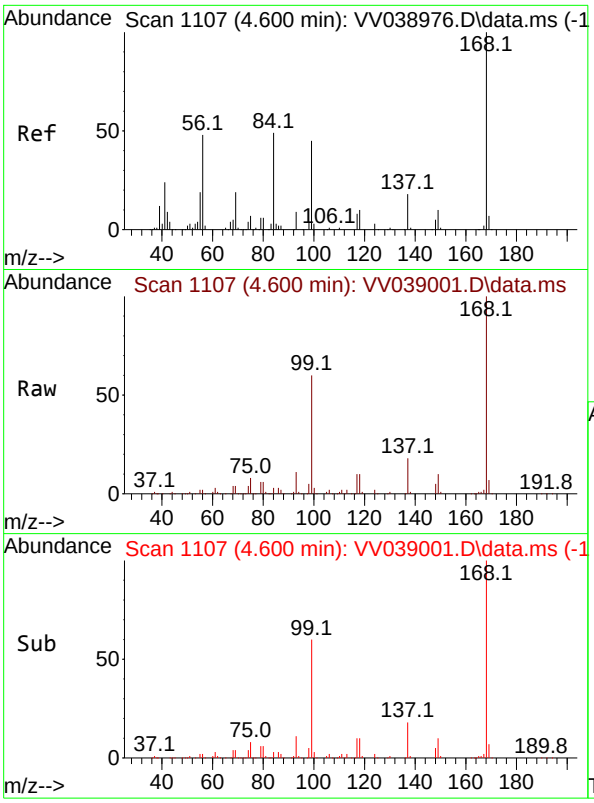
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039001.D
Acq On : 21 Aug 2025 22:54
Operator : SY/MD
Sample : Q2924-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-16A-082025

Quant Time: Aug 22 04:40:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration



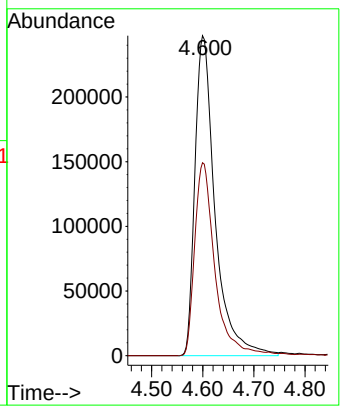


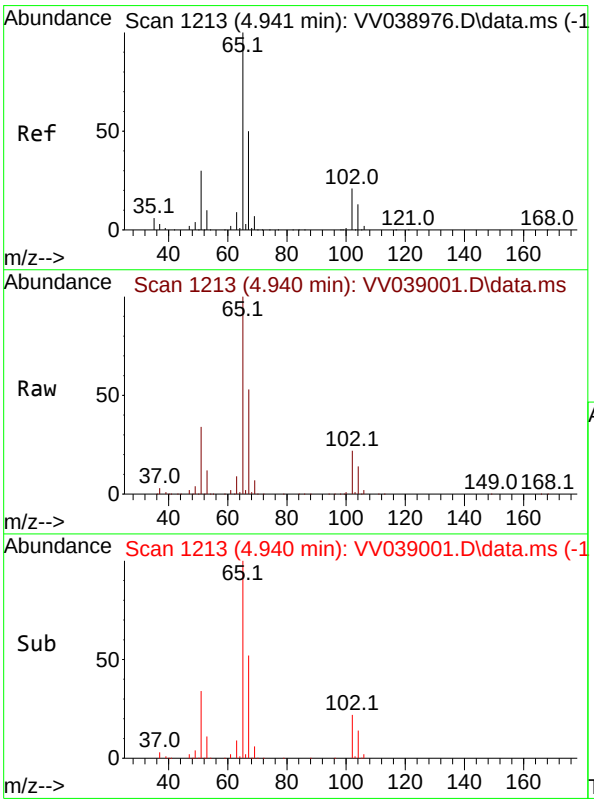
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV039001.D
Acq: 21 Aug 2025 22:54

Instrument :
MSVOA_V
ClientSampleId :
MW-16A-082025

Tgt Ion:168 Resp: 676464

Ion	Ratio	Lower	Upper
168	100		
99	60.3	47.0	70.6

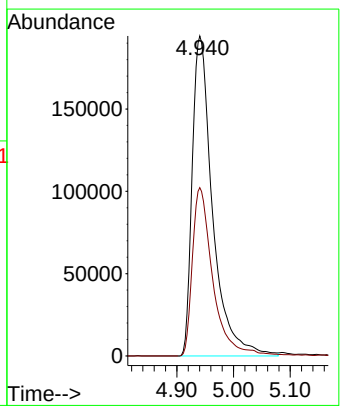


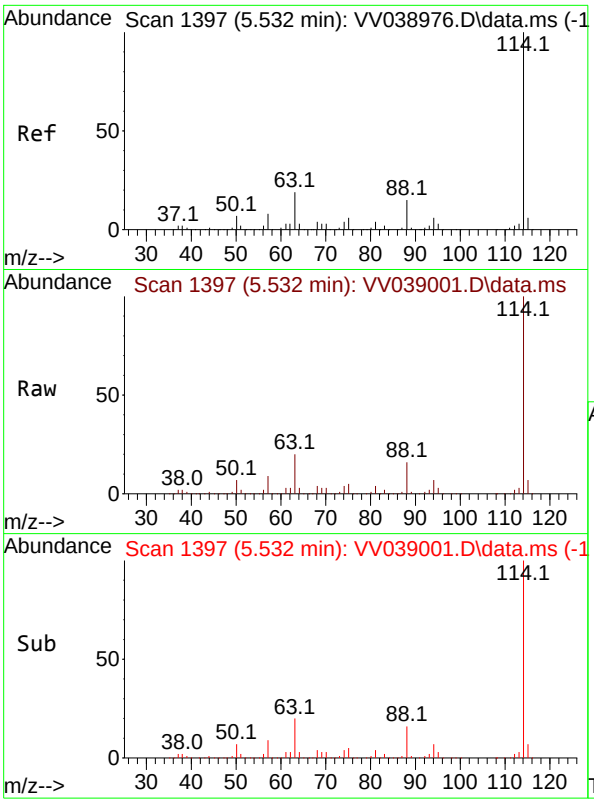


#33
1,2-Dichloroethane-d4
Concen: 51.067 ug/l
RT: 4.940 min Scan# 1213
Delta R.T. -0.000 min
Lab File: VV039001.D
Acq: 21 Aug 2025 22:54

Tgt Ion: 65 Resp: 484721

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	100.4



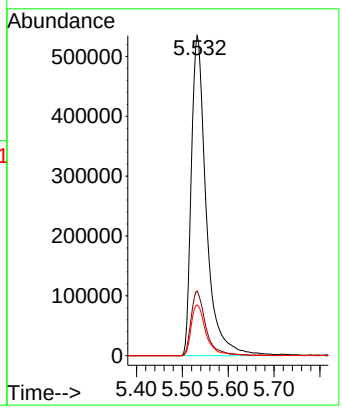


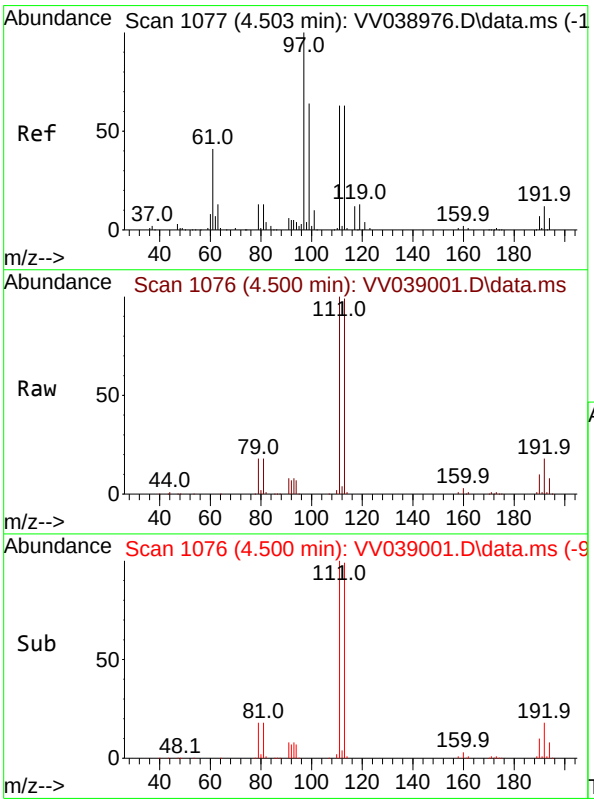
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039001.D
Acq: 21 Aug 2025 22:54

Instrument :
MSVOA_V
ClientSampleId :
MW-16A-082025

Tgt Ion:114 Resp: 1214643

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	37.4
88	15.9	0.0	30.4

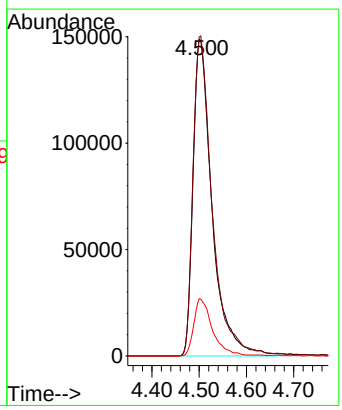


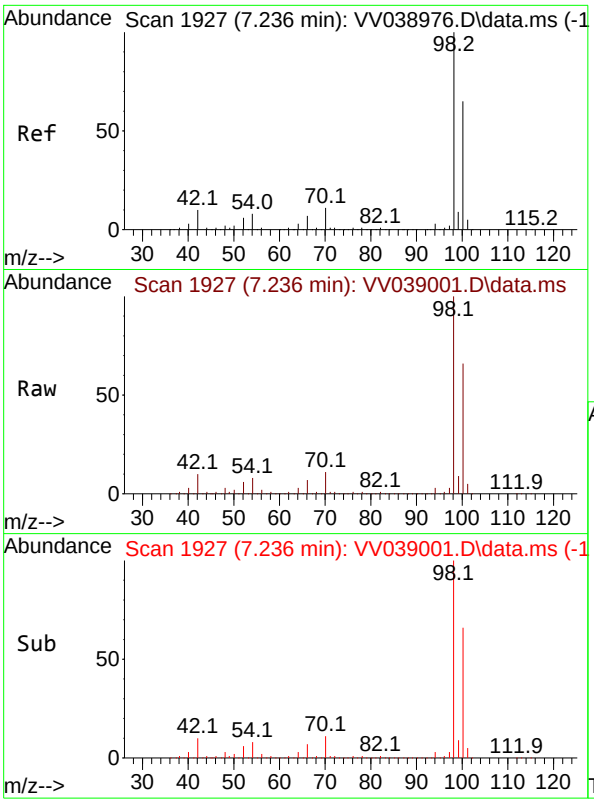


#35
Dibromofluoromethane
Concen: 45.749 ug/l
RT: 4.500 min Scan# 1076
Delta R.T. -0.003 min
Lab File: VV039001.D
Acq: 21 Aug 2025 22:54

Tgt Ion:113 Resp: 416739

Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.3	121.9
192	17.6	15.4	23.0



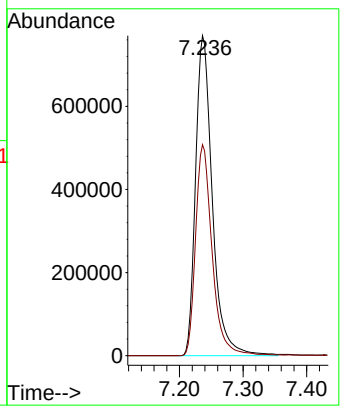


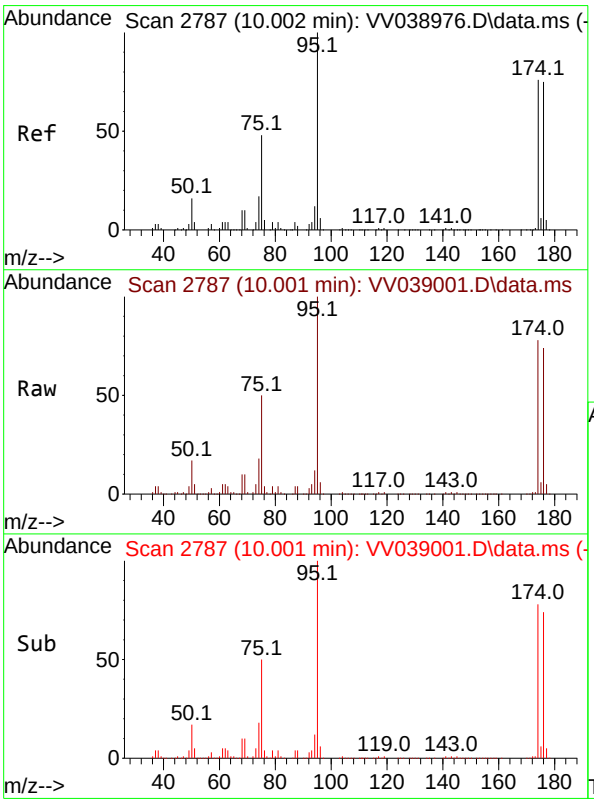
#50
Toluene-d8
Concen: 44.373 ug/l
RT: 7.236 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039001.D
Acq: 21 Aug 2025 22:54

Instrument :
MSVOA_V
ClientSampleId :
MW-16A-082025

Tgt Ion: 98 Resp: 1409493

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.2	78.2

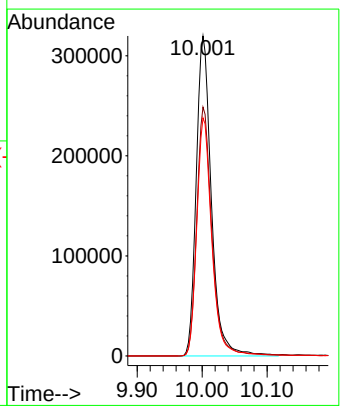


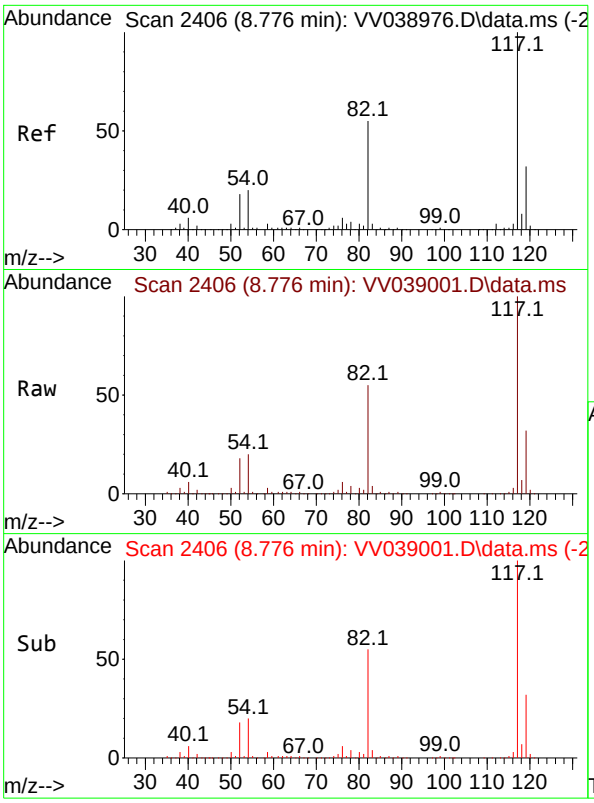


#62
4-Bromofluorobenzene
Concen: 44.749 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. -0.000 min
Lab File: VV039001.D
Acq: 21 Aug 2025 22:54

Tgt Ion: 95 Resp: 519985

Ion	Ratio	Lower	Upper
95	100		
174	77.5	0.0	154.4
176	74.3	0.0	148.6



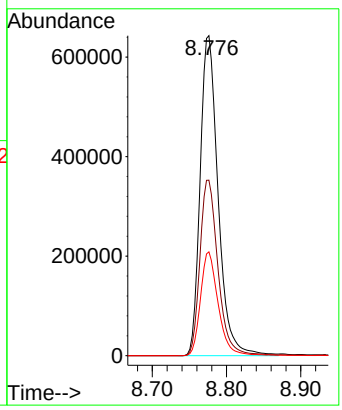


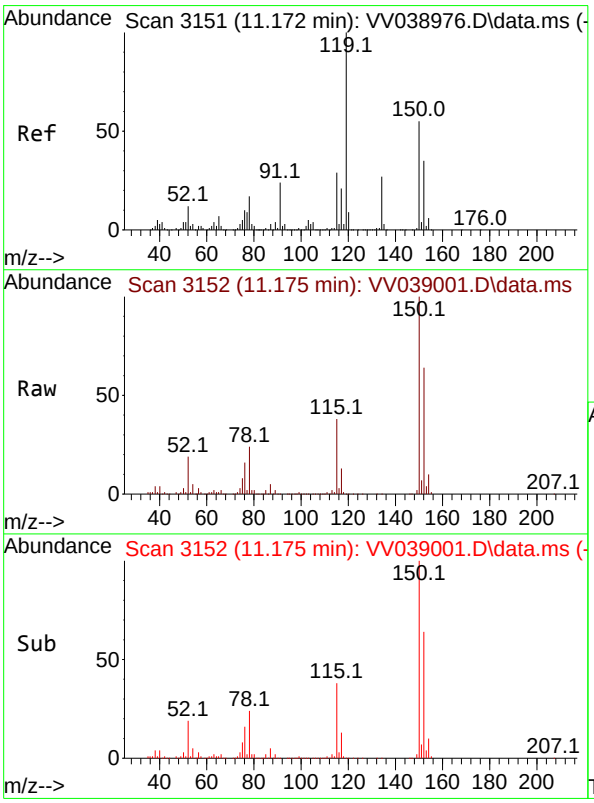
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 24
Delta R.T. 0.000 min
Lab File: VV039001.D
Acq: 21 Aug 2025 22:54

Instrument :
MSVOA_V
ClientSampleId :
MW-16A-082025

Tgt Ion:117 Resp: 1082468

Ion	Ratio	Lower	Upper
117	100		
82	54.9	44.4	66.6
119	32.5	26.0	39.0

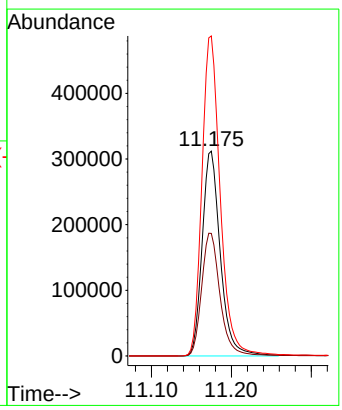




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.175 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VV039001.D
Acq: 21 Aug 2025 22:54

Tgt Ion:152 Resp: 493806

Ion	Ratio	Lower	Upper
152	100		
115	61.0	42.5	127.5
150	158.4	0.0	344.8



Sample Results: **VV039001.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039001.D
Acq On : 21 Aug 2025 22:54
Operator : SY/MD
Sample : Q2924-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-16A-082025

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_V\Method\82V082125W.M
Title : SW846 8260

Signal : TIC: VV039001.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.198	40	49	115	rBV	1023551	4391513	100.00%	18.010%
2	4.503	1062	1077	1095	rBV2	484478	1280938	29.17%	5.253%
3	4.600	1095	1107	1155	rVB	766768	2118321	48.24%	8.687%
4	4.940	1199	1213	1264	rBV	529349	1351102	30.77%	5.541%
5	5.532	1386	1397	1435	rBV	1236743	2796563	63.68%	11.469%
6	7.236	1916	1927	1959	rBV	1989477	3663672	83.43%	15.025%
7	8.776	2394	2406	2445	rBV	1904676	3251052	74.03%	13.333%
8	10.001	2773	2787	2821	rBV	1538910	2525350	57.51%	10.356%
9	11.172	3137	3151	3179	rBV	1846622	2961124	67.43%	12.144%
10	13.442	3846	3857	3870	rBV	20842	44663	1.02%	0.183%

Sum of corrected areas: 24384298

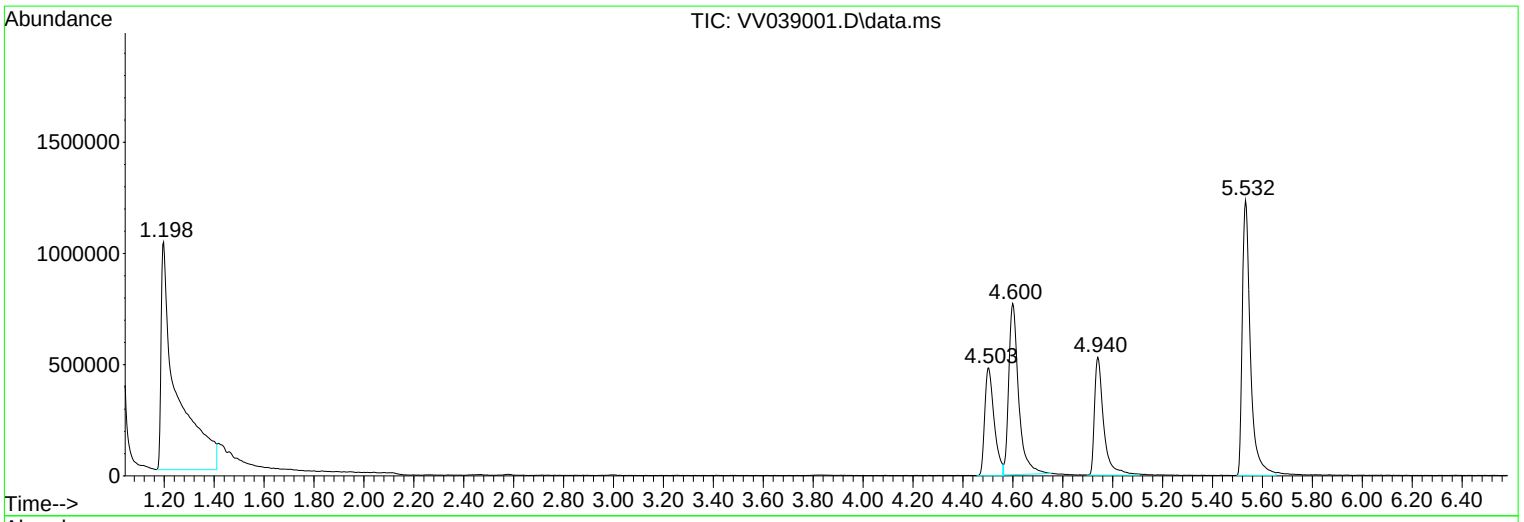
Sample Results: **VV039001.D**

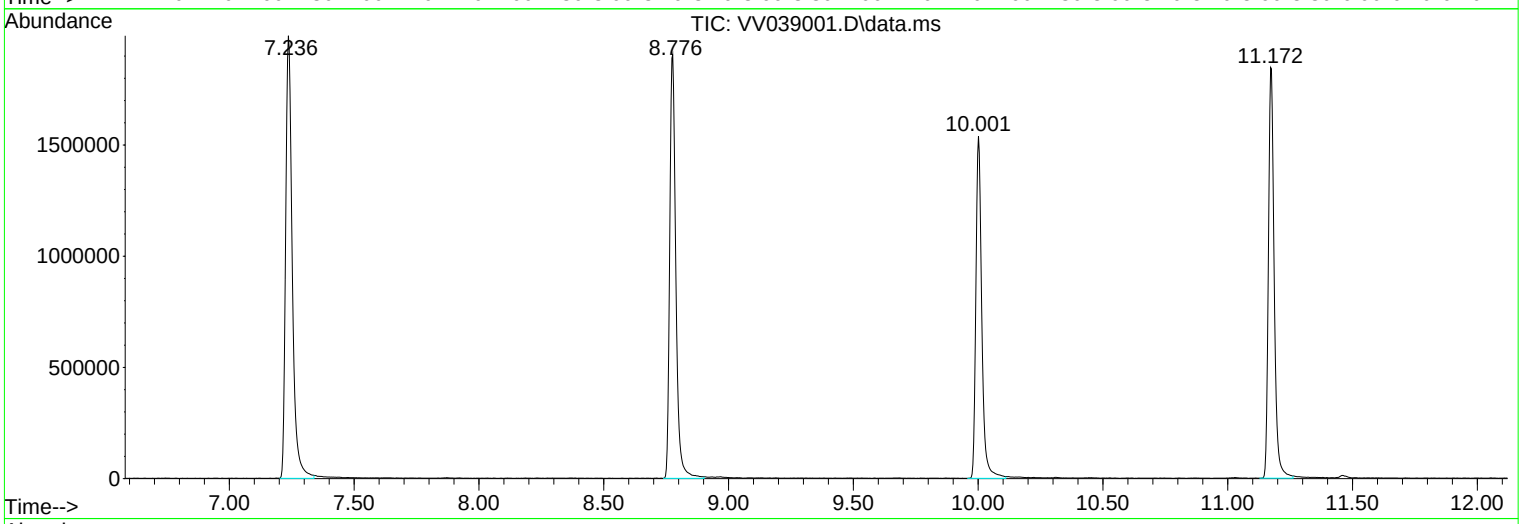
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039001.D
Acq On : 21 Aug 2025 22:54
Operator : SY/MD
Sample : Q2924-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 30 Sample Multiplier: 1

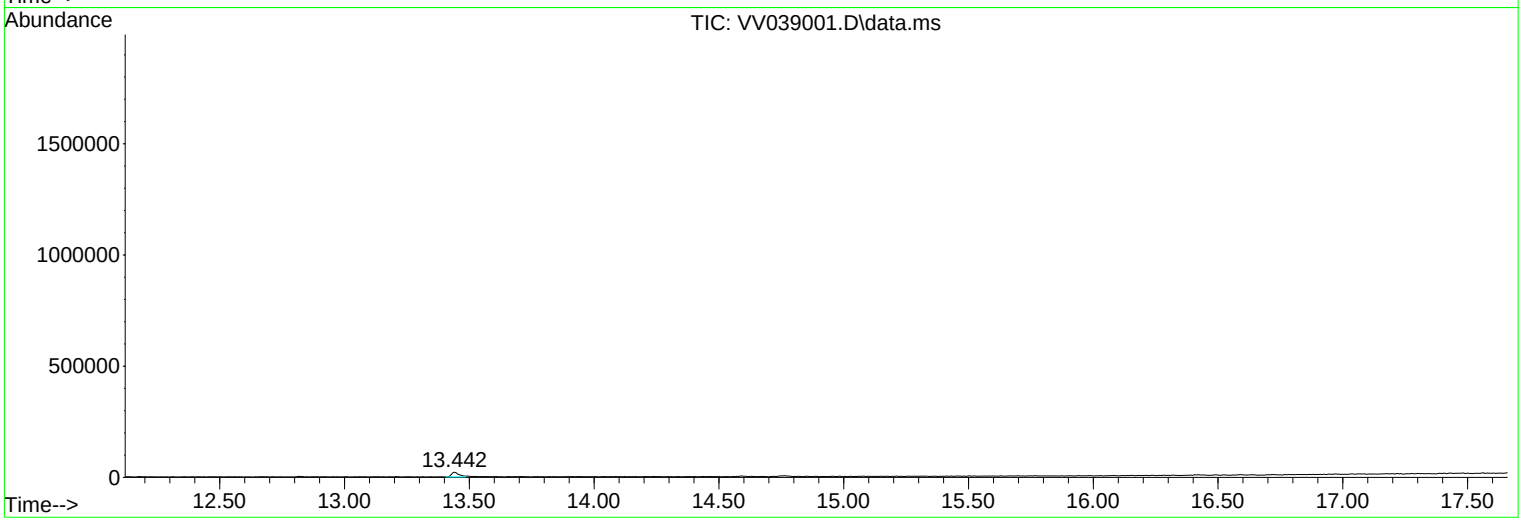
Instrument :
MSVOA_V
ClientSampleId :
MW-16A-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

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







Sample Results: **VV039001.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039001.D
Acq On : 21 Aug 2025 22:54
Operator : SY/MD
Sample : Q2924-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-16A-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

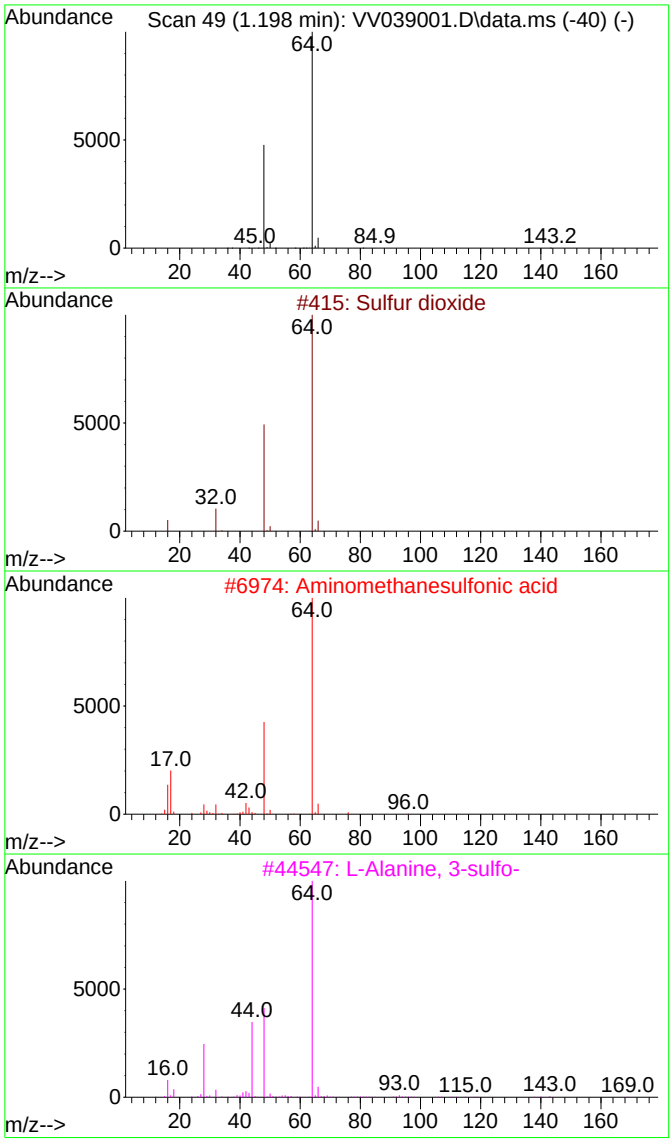
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

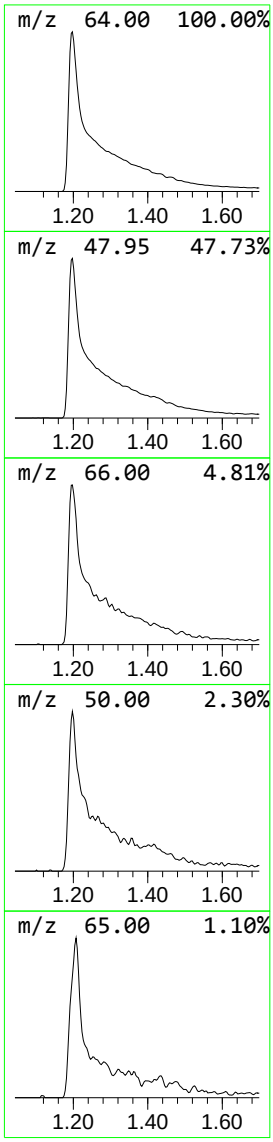
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.198	103.66 ug/l	4391510	Pentafluorobenzene	4.600

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039001.D
Acq On : 21 Aug 2025 22:54
Operator : SY/MD
Sample : Q2924-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-16A-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.198	103.7	ug/l	4391510	1	4.600	2118320	50.0

Raw Data: **VV039002.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-16C-082025	SDG No.:	Q2924
Lab Sample ID:	Q2924-09	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039002.D	1	08/21/25 23:16	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.00	U	0.22	5.00	ug/L
74-87-3	Chloromethane	5.00	U	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	53.8		0.26	5.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	5.00	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	5.00	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.65	J	0.23	5.00	ug/L
67-64-1	Acetone	25.0	U	1.50	25.0	ug/L
75-15-0	Carbon Disulfide	5.00	U	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.7		0.16	5.00	ug/L
79-20-9	Methyl Acetate	5.00	U	0.27	5.00	ug/L
75-09-2	Methylene Chloride	5.00	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	85.5		0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	5.00	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.50	5.00	ug/L
78-93-3	2-Butanone	25.0	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	32.7		0.19	5.00	ug/L
74-97-5	Bromochloromethane	5.00	U	0.22	5.00	ug/L
67-66-3	Chloroform	5.00	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	5.00	U	0.16	5.00	ug/L
71-43-2	Benzene	5.50		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	5.00	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	14.7		0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	5.00	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	5.00	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	U	0.68	25.0	ug/L
108-88-3	Toluene	5.00	U	0.14	5.00	ug/L

Raw Data: **VV039002.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-16C-082025	SDG No.:	Q2924
Lab Sample ID:	Q2924-09	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039002.D	1	08/21/25 23:16	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	5.00	U	0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	U	0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	5.00	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	25.0	U	0.89	25.0	ug/L
124-48-1	Dibromochloromethane	5.00	U	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	5.00	U	0.15	5.00	ug/L
127-18-4	Tetrachloroethene	1.30	J	0.23	5.00	ug/L
108-90-7	Chlorobenzene	5.00	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	0.61	J	0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	10.0	U	0.24	10.0	ug/L
95-47-6	o-Xylene	5.00	U	0.12	5.00	ug/L
100-42-5	Styrene	5.00	U	0.15	5.00	ug/L
75-25-2	Bromoform	5.00	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	0.54	J	0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	U	0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.9		74 - 125	102%	SPK: 50
1868-53-7	Dibromofluoromethane	44.7		75 - 124	89%	SPK: 50
2037-26-5	Toluene-d8	44.2		86 - 113	88%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.7		77 - 121	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	675000	4.6			
540-36-3	1,4-Difluorobenzene	1220000	5.532			
3114-55-4	Chlorobenzene-d5	1080000	8.777			
3855-82-1	1,4-Dichlorobenzene-d4	439000	11.172			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VV039002.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-16C-082025	SDG No.:	Q2924
Lab Sample ID:	Q2924-09	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039002.D	1	08/21/25 23:16	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	10.9	J		1.20	ug/L
007525-62-4	Benzene, 1-ethenyl-3-ethyl-	46.6	J		12.0	ug/L
002177-47-1	2-Methylindene	7.10	J		12.9	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

Sample Results: **VV039002.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039002.D
Acq On : 21 Aug 2025 23:16
Operator : SY/MD
Sample : Q2924-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-16C-082025

Quant Time: Aug 22 04:41:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

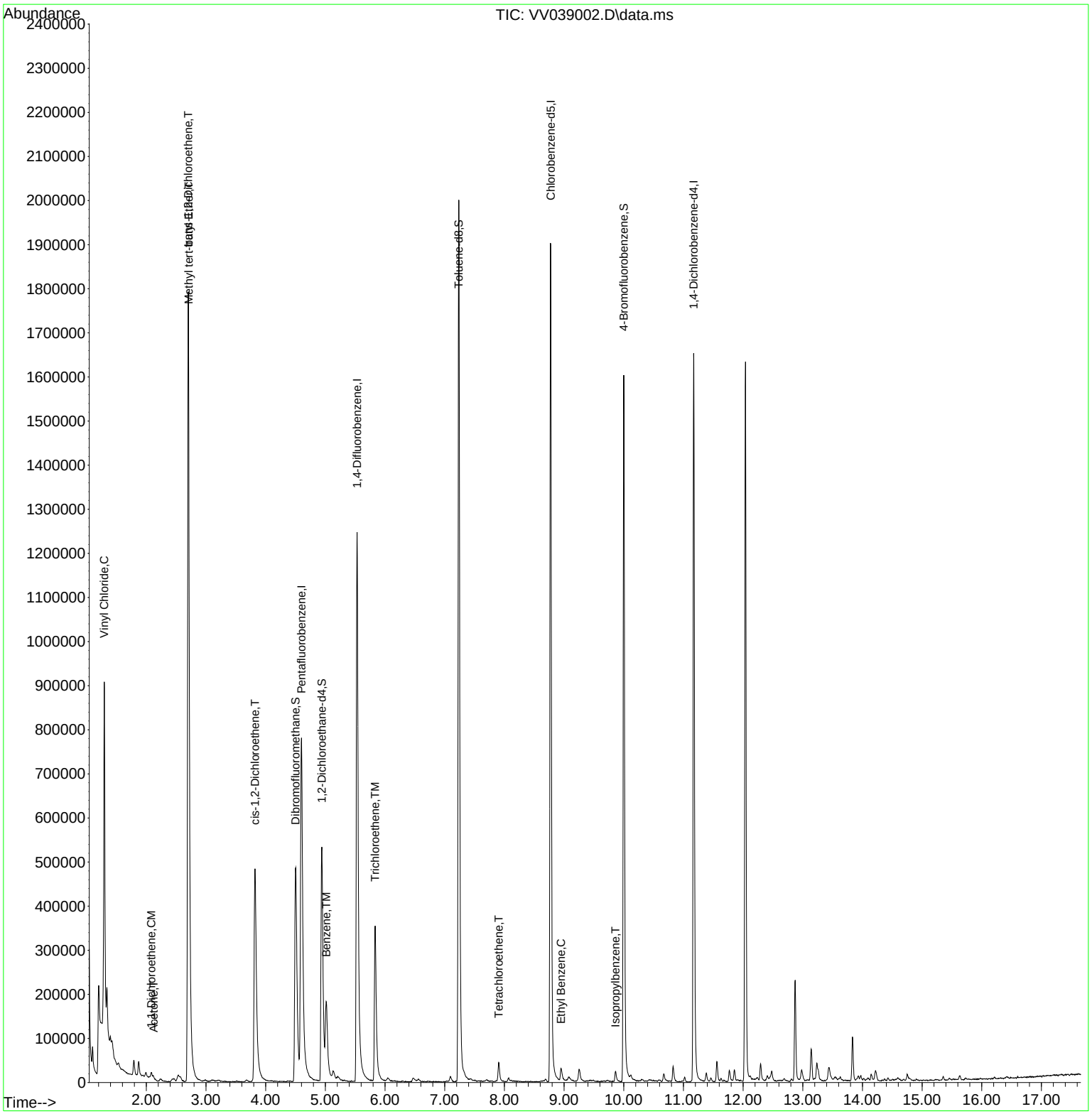
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	675326	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1219427	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.777	117	1080769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	439427	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	482505	50.919	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 101.840%			
35) Dibromofluoromethane	4.500	113	409016	44.725	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 89.460%			
50) Toluene-d8	7.236	98	1409684	44.205	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 88.420%#			
62) 4-Bromofluorobenzene	10.002	95	532675	45.661	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 91.320%			
Target Compounds						Qvalue
4) Vinyl Chloride	1.295	62	591550	53.763	ug/l	91
12) 1,1-Dichloroethene	2.082	96	4993	0.651	ug/l	94
16) Acetone	2.124	43	5193	1.365	ug/l #	86
19) Methyl tert-butyl Ether	2.709	73	400900	17.690	ug/l	97
21) trans-1,2-Dichloroethene	2.703	96	682823	85.535	ug/l	96
27) cis-1,2-Dichloroethene	3.822	96	315229	32.717	ug/l	94
40) Benzene	5.015	78	206110	5.541	ug/l	97
44) Trichloroethene	5.835	130	148094	14.677	ug/l	93
64) Tetrachloroethene	7.905	164	10600	1.318	ug/l	94
67) Ethyl Benzene	8.950	91	24078	0.605	ug/l	94
73) Isopropylbenzene	9.863	105	15900	0.539	ug/l	99

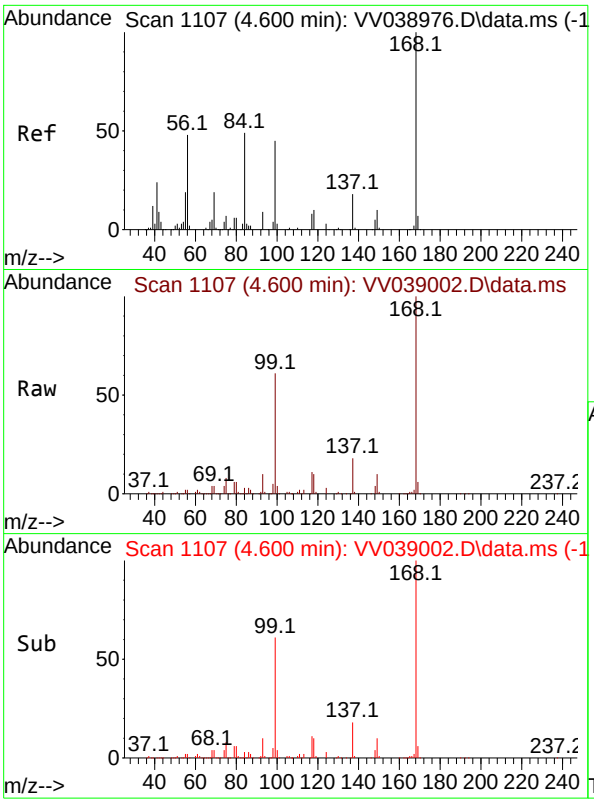
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039002.D
Acq On : 21 Aug 2025 23:16
Operator : SY/MD
Sample : Q2924-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-16C-082025

Quant Time: Aug 22 04:41:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration



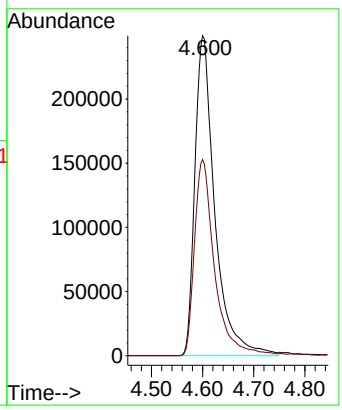


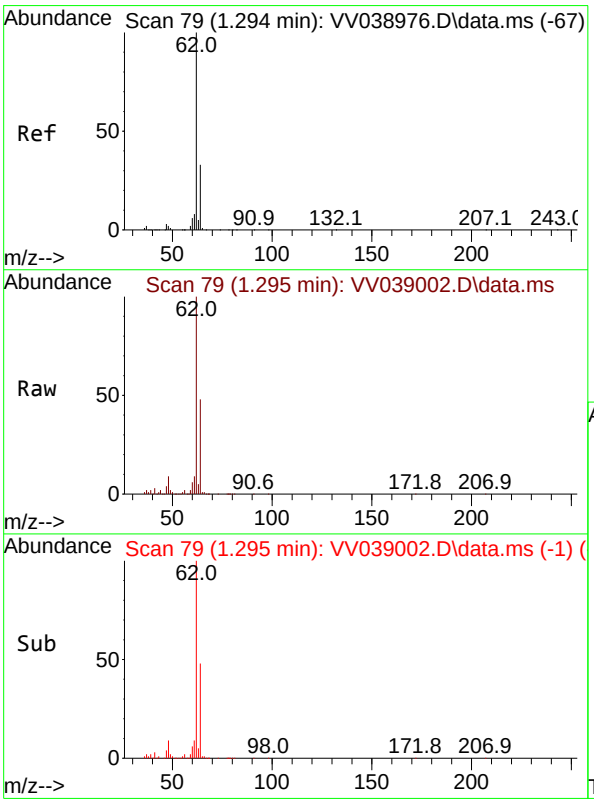
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV039002.D
Acq: 21 Aug 2025 23:16

Instrument :
MSVOA_V
ClientSampleId :
MW-16C-082025

Tgt Ion:168 Resp: 675326

Ion	Ratio	Lower	Upper
168	100		
99	61.3	47.0	70.6

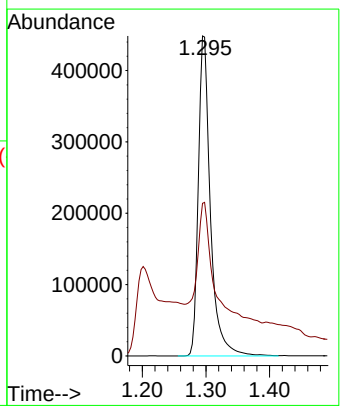


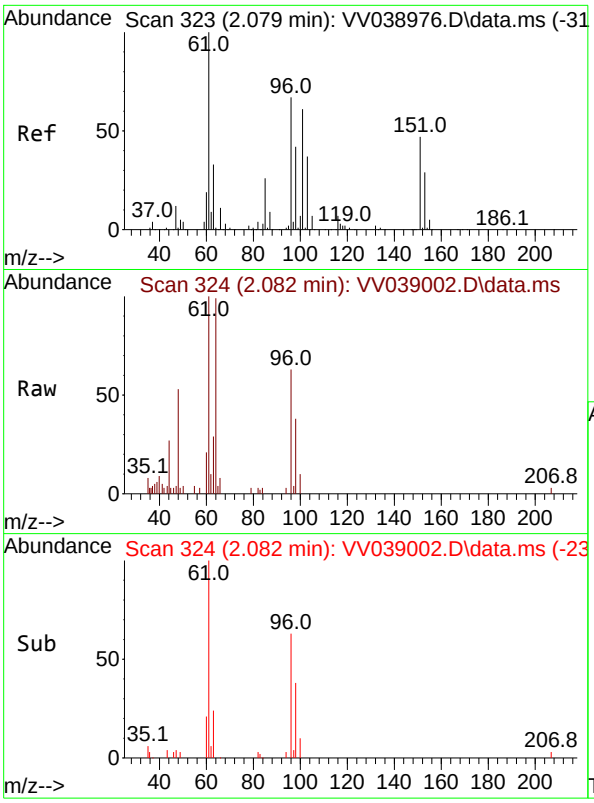


#4
Vinyl Chloride
Concen: 53.763 ug/l
RT: 1.295 min Scan# 79
Delta R.T. 0.000 min
Lab File: VV039002.D
Acq: 21 Aug 2025 23:16

Tgt Ion: 62 Resp: 591550

Ion	Ratio	Lower	Upper
62	100		
64	37.9	26.4	39.6



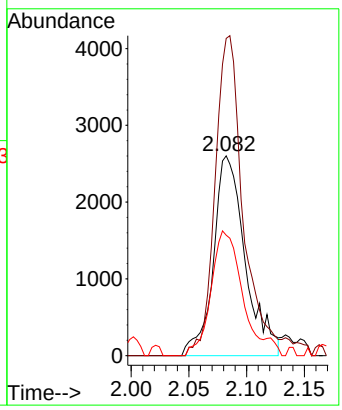


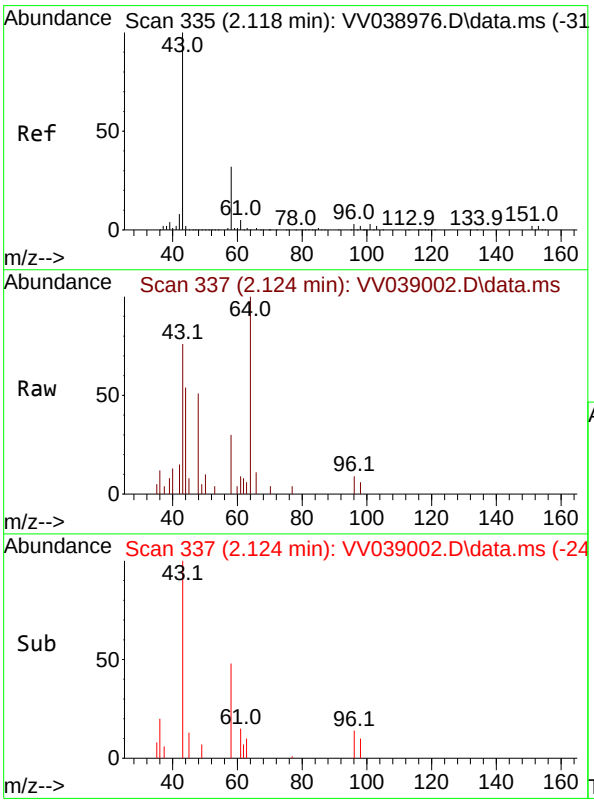
#12
1,1-Dichloroethene
Concen: 0.651 ug/l
RT: 2.082 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV039002.D
Acq: 21 Aug 2025 23:16

Instrument :
MSVOA_V
ClientSampleId :
MW-16C-082025

Tgt Ion: 96 Resp: 4993

Ion	Ratio	Lower	Upper
96	100		
61	158.8	119.8	179.8
98	60.3	50.2	75.2

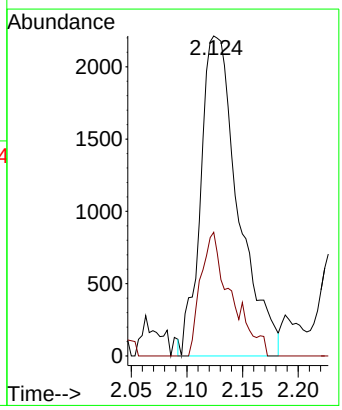


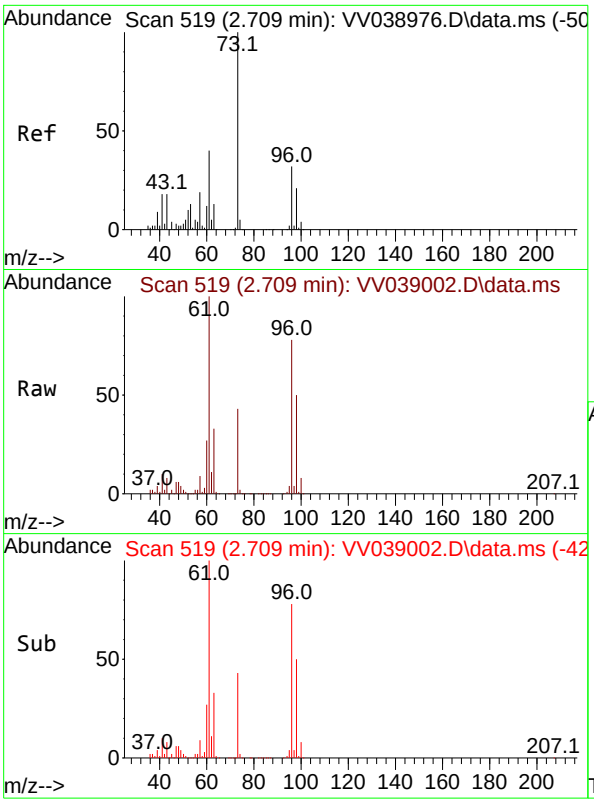


#16
Acetone
Concen: 1.365 ug/l
RT: 2.124 min Scan# 337
Delta R.T. 0.006 min
Lab File: VV039002.D
Acq: 21 Aug 2025 23:16

Tgt Ion: 43 Resp: 5193

Ion	Ratio	Lower	Upper
43	100		
58	40.8	26.3	39.5#



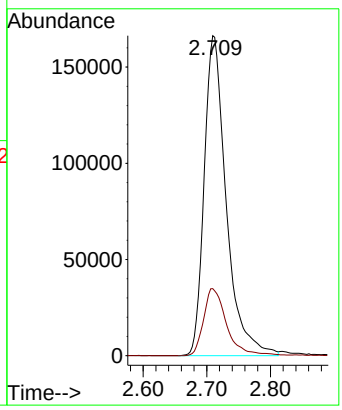


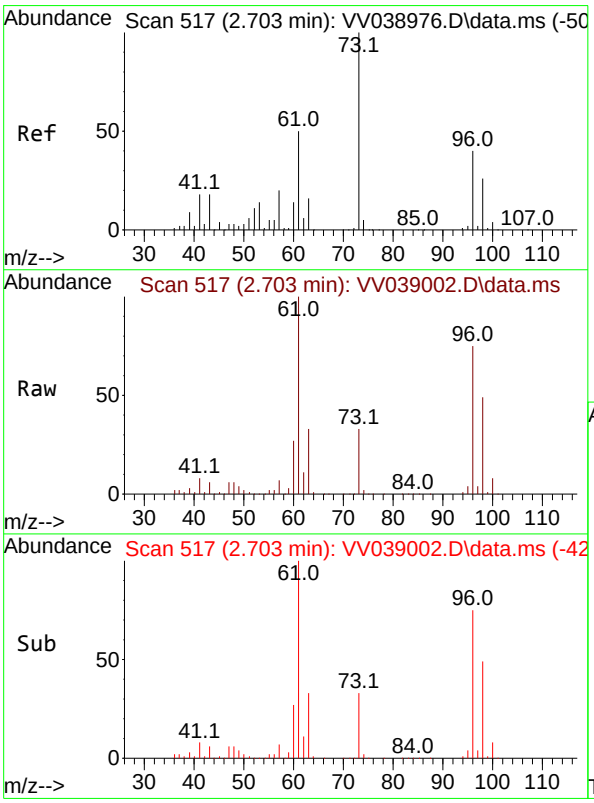
#19
Methyl tert-butyl Ether
Concen: 17.690 ug/l
RT: 2.709 min Scan# 5
Delta R.T. 0.000 min
Lab File: VV039002.D
Acq: 21 Aug 2025 23:16

Instrument :
MSVOA_V
ClientSampleId :
MW-16C-082025

Tgt Ion: 73 Resp: 400900

Ion	Ratio	Lower	Upper
73	100		
57	21.0	15.7	23.5

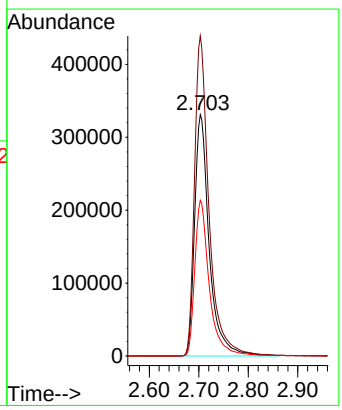


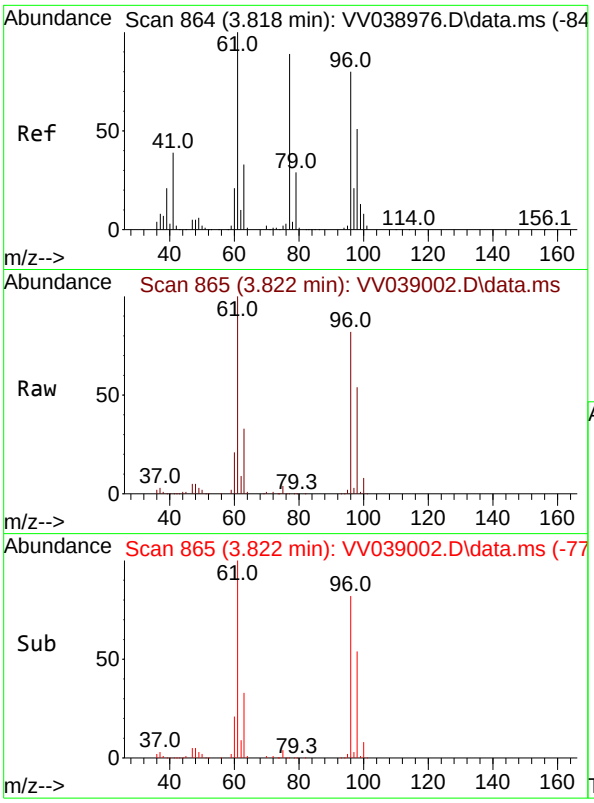


#21
trans-1,2-Dichloroethene
Concen: 85.535 ug/l
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV039002.D
Acq: 21 Aug 2025 23:16

Tgt Ion: 96 Resp: 682823

Ion	Ratio	Lower	Upper
96	100		
61	132.6	100.6	151.0
98	64.5	51.5	77.3



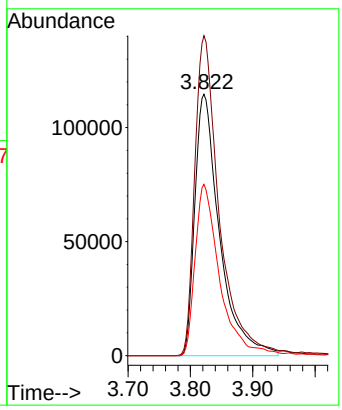


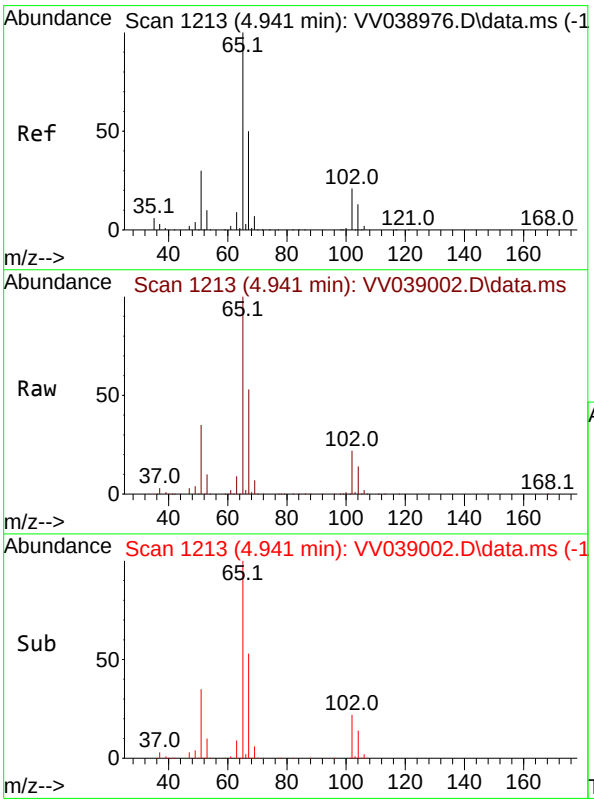
#27
cis-1,2-Dichloroethene
Concen: 32.717 ug/l
RT: 3.822 min Scan# 8
Delta R.T. 0.004 min
Lab File: VV039002.D
Acq: 21 Aug 2025 23:16

Instrument :
MSVOA_V
ClientSampleId :
MW-16C-082025

Tgt Ion: 96 Resp: 315229

Ion	Ratio	Lower	Upper
96	100		
61	121.9	0.0	264.4
98	65.1	0.0	131.8

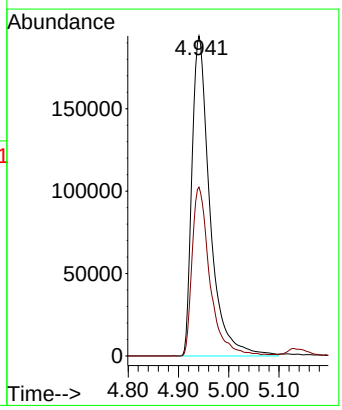


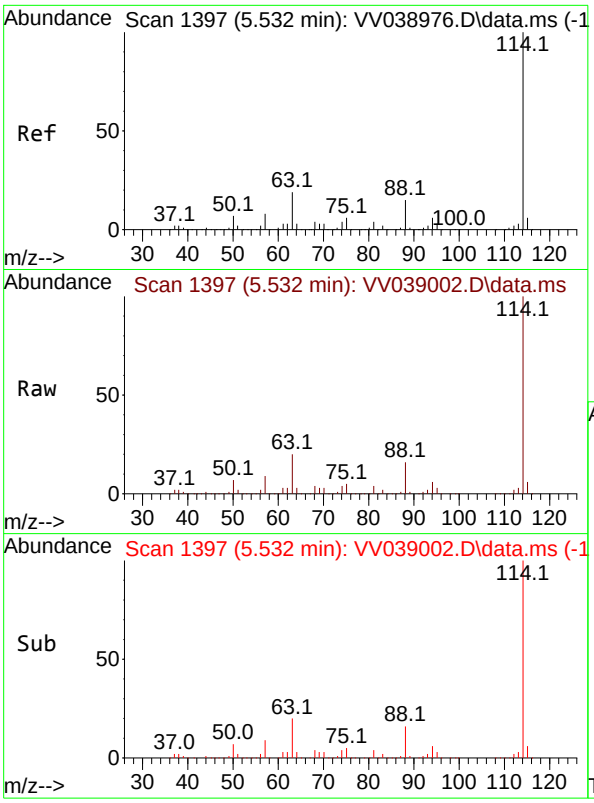


#33
1,2-Dichloroethane-d4
Concen: 50.919 ug/l
RT: 4.941 min Scan# 1213
Delta R.T. 0.000 min
Lab File: VV039002.D
Acq: 21 Aug 2025 23:16

Tgt Ion: 65 Resp: 482505

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	100.4



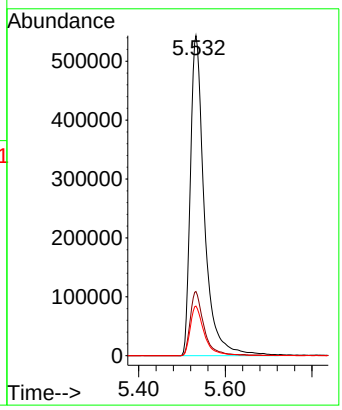


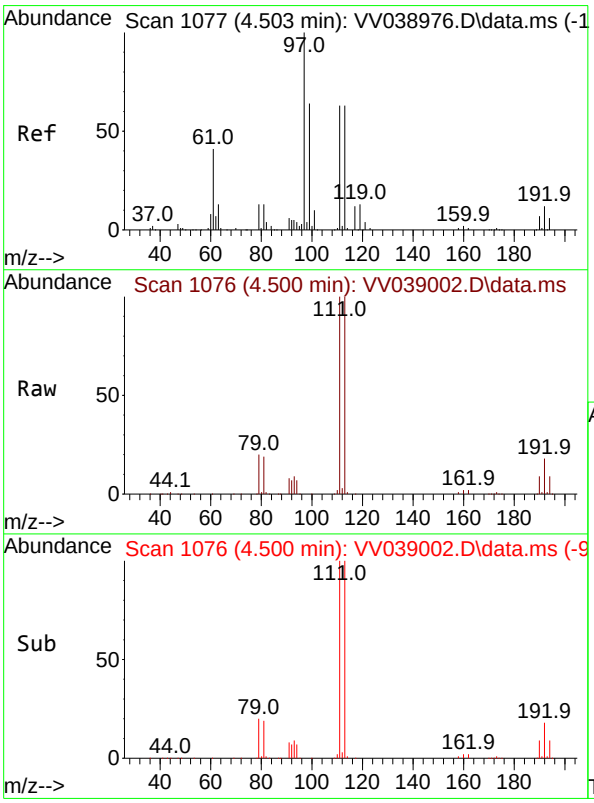
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039002.D
Acq: 21 Aug 2025 23:16

Instrument :
MSVOA_V
ClientSampleId :
MW-16C-082025

Tgt Ion:114 Resp: 1219427

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	37.4
88	15.5	0.0	30.4

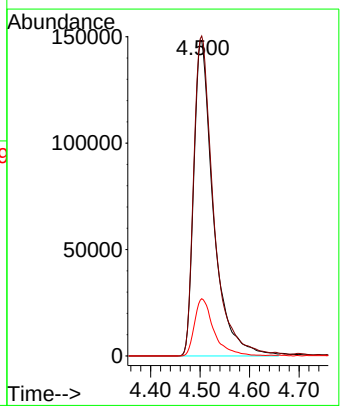


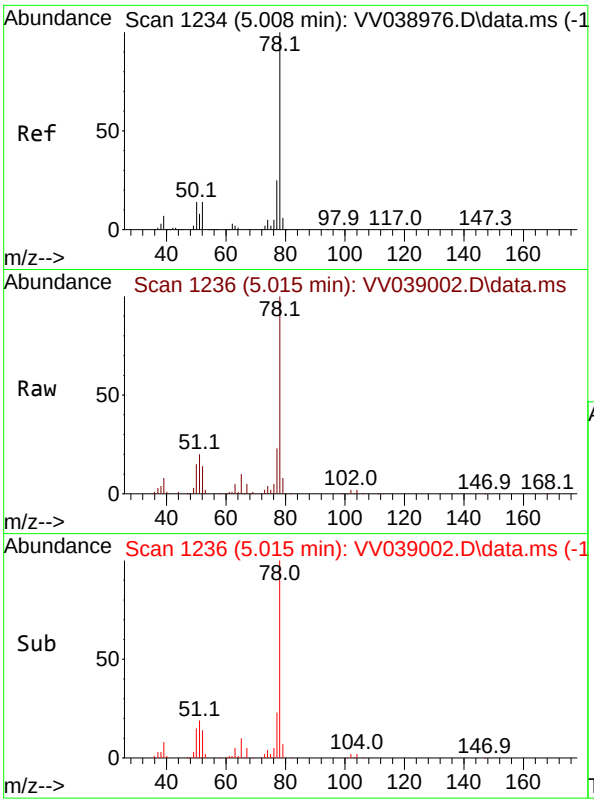


#35
Dibromofluoromethane
Concen: 44.725 ug/l
RT: 4.500 min Scan# 1076
Delta R.T. -0.003 min
Lab File: VV039002.D
Acq: 21 Aug 2025 23:16

Tgt Ion:113 Resp: 409016

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.3	121.9
192	18.0	15.4	23.0



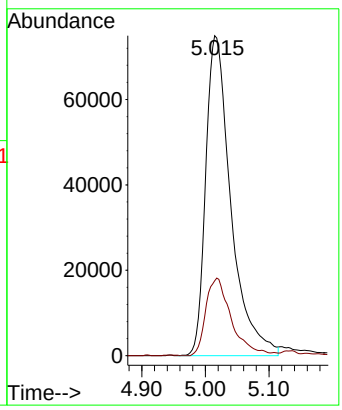


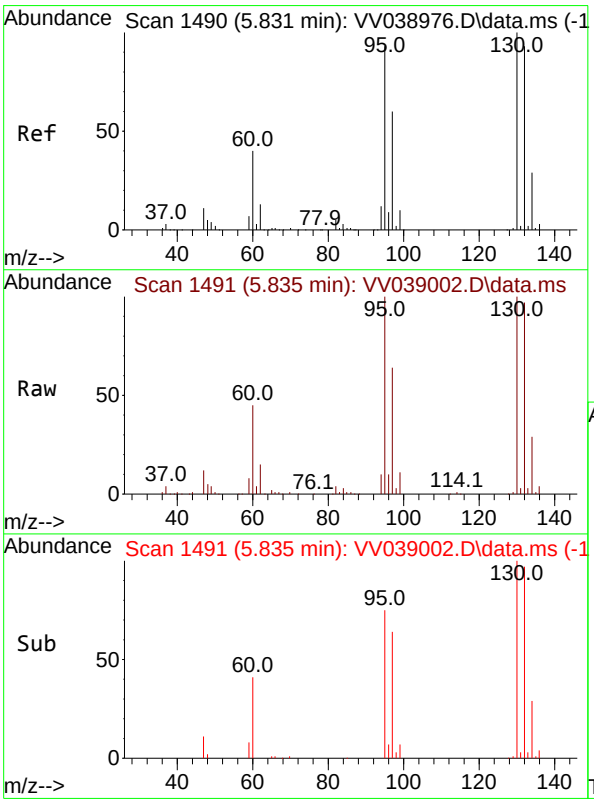
#40
Benzene
Concen: 5.541 ug/l
RT: 5.015 min Scan# 1
Delta R.T. 0.006 min
Lab File: VV039002.D
Acq: 21 Aug 2025 23:16

Instrument :
MSVOA_V
ClientSampleId :
MW-16C-082025

Tgt Ion: 78 Resp: 206110

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.6	29.4

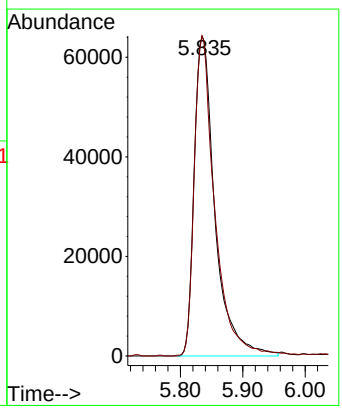


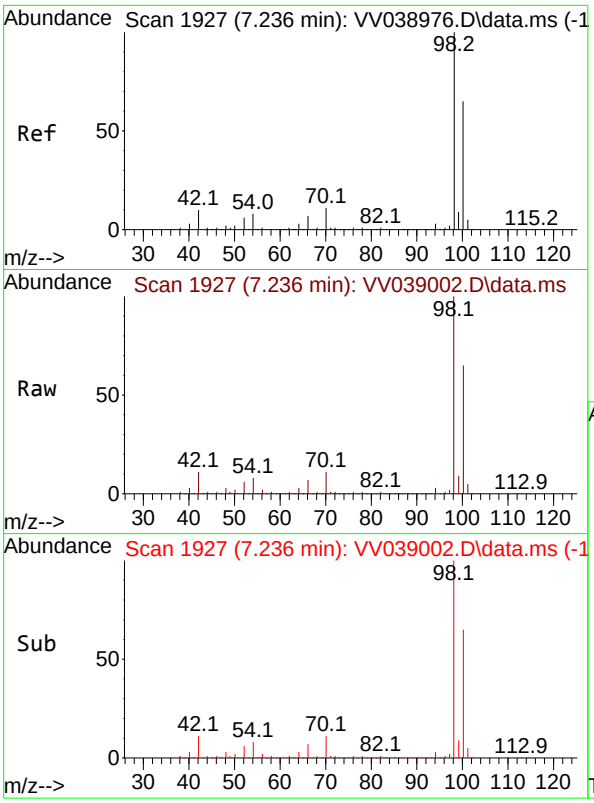


#44
Trichloroethene
Concen: 14.677 ug/l
RT: 5.835 min Scan# 1491
Delta R.T. 0.003 min
Lab File: VV039002.D
Acq: 21 Aug 2025 23:16

Tgt Ion:130 Resp: 148094

Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	186.6



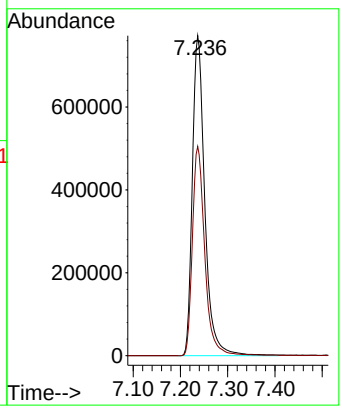


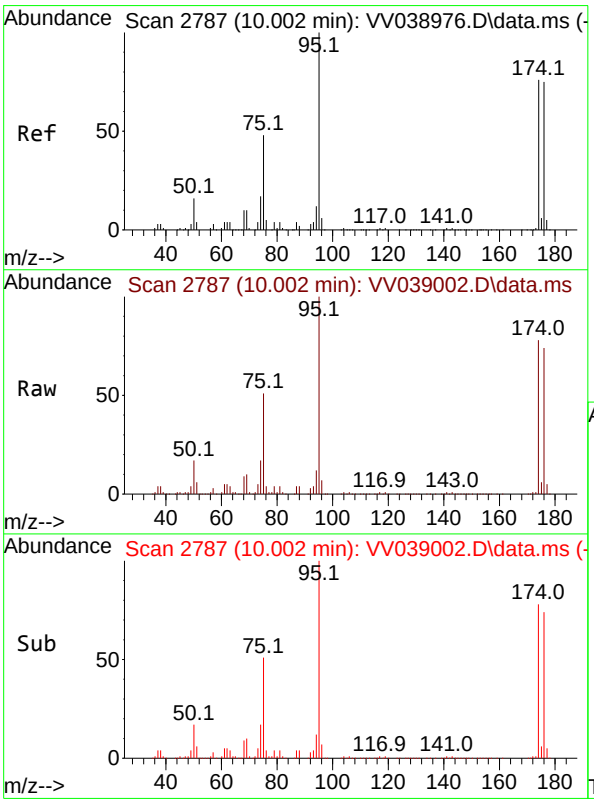
#50
Toluene-d8
Concen: 44.205 ug/l
RT: 7.236 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039002.D
Acq: 21 Aug 2025 23:16

Instrument :
MSVOA_V
ClientSampleId :
MW-16C-082025

Tgt Ion: 98 Resp: 1409684

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.2	78.2

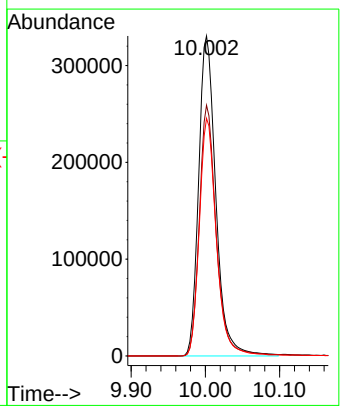


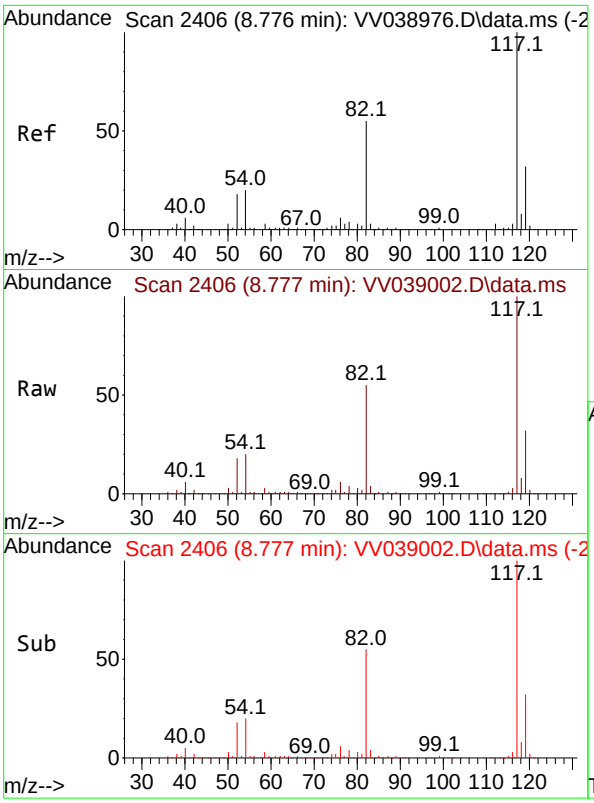


#62
4-Bromofluorobenzene
Concen: 45.661 ug/l
RT: 10.002 min Scan# 2787
Delta R.T. 0.000 min
Lab File: VV039002.D
Acq: 21 Aug 2025 23:16

Tgt Ion: 95 Resp: 532675

Ion	Ratio	Lower	Upper
95	100		
174	77.2	0.0	154.4
176	73.3	0.0	148.6



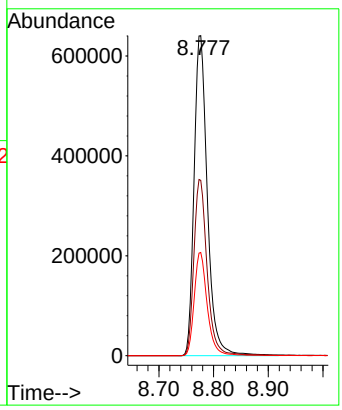


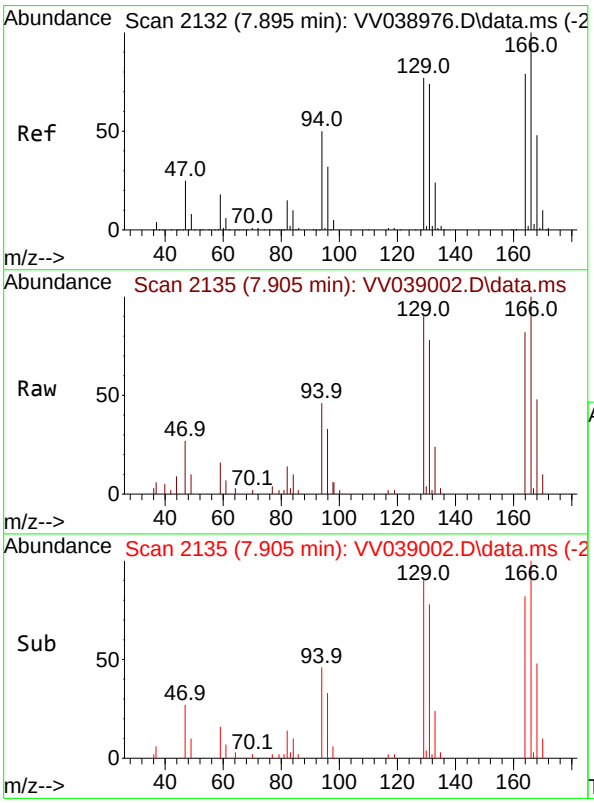
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.777 min Scan# 24
Delta R.T. 0.001 min
Lab File: VV039002.D
Acq: 21 Aug 2025 23:16

Instrument :
MSVOA_V
ClientSampleId :
MW-16C-082025

Tgt Ion:117 Resp: 1080769

Ion	Ratio	Lower	Upper
117	100		
82	54.8	44.4	66.6
119	32.2	26.0	39.0

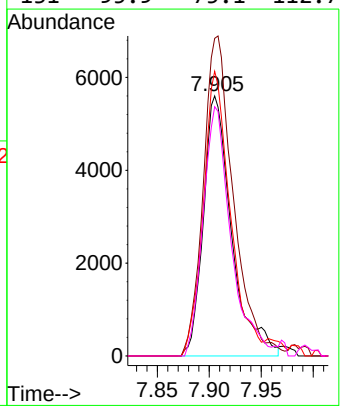


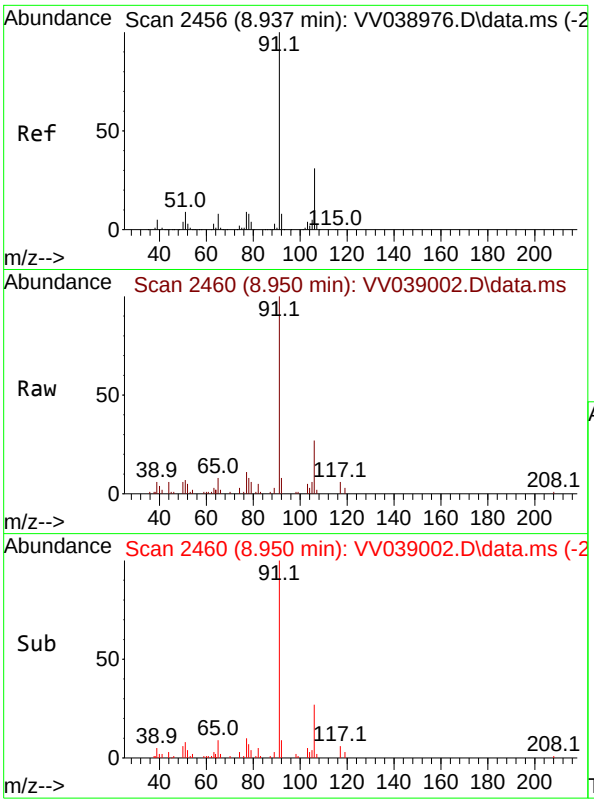


#64
Tetrachloroethene
Concen: 1.318 ug/l
RT: 7.905 min Scan# 2135
Delta R.T. 0.010 min
Lab File: VV039002.D
Acq: 21 Aug 2025 23:16

Tgt Ion:164 Resp: 10600

Ion	Ratio	Lower	Upper
164	100		
166	122.2	101.8	152.6
129	109.5	78.7	118.1
131	95.9	75.1	112.7



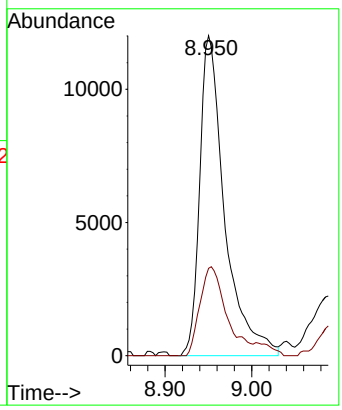


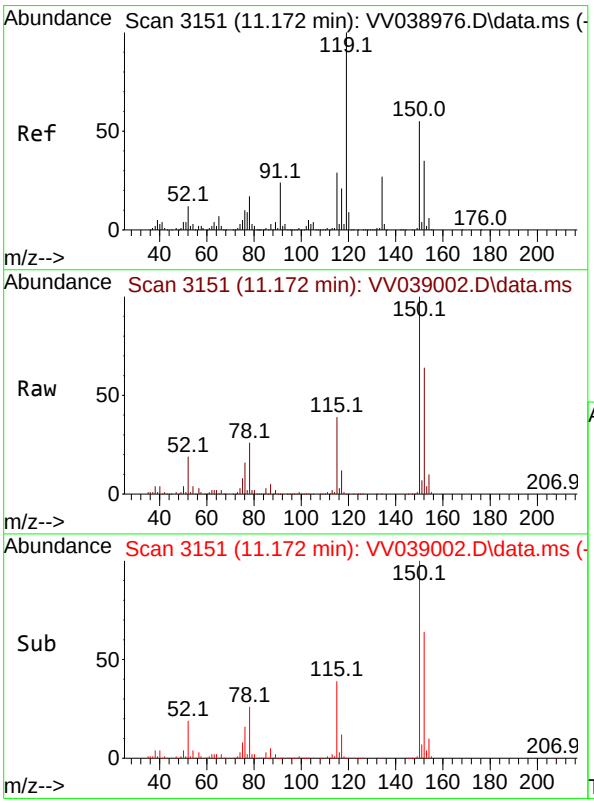
#67
Ethyl Benzene
Concen: 0.605 ug/l
RT: 8.950 min Scan# 24
Delta R.T. 0.013 min
Lab File: VV039002.D
Acq: 21 Aug 2025 23:16

Instrument :
MSVOA_V
ClientSampleId :
MW-16C-082025

Tgt Ion: 91 Resp: 24078

Ion	Ratio	Lower	Upper
91	100		
106	27.3	24.6	36.8

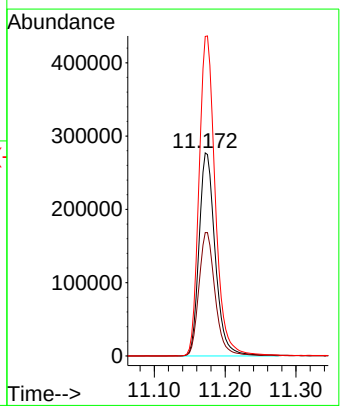


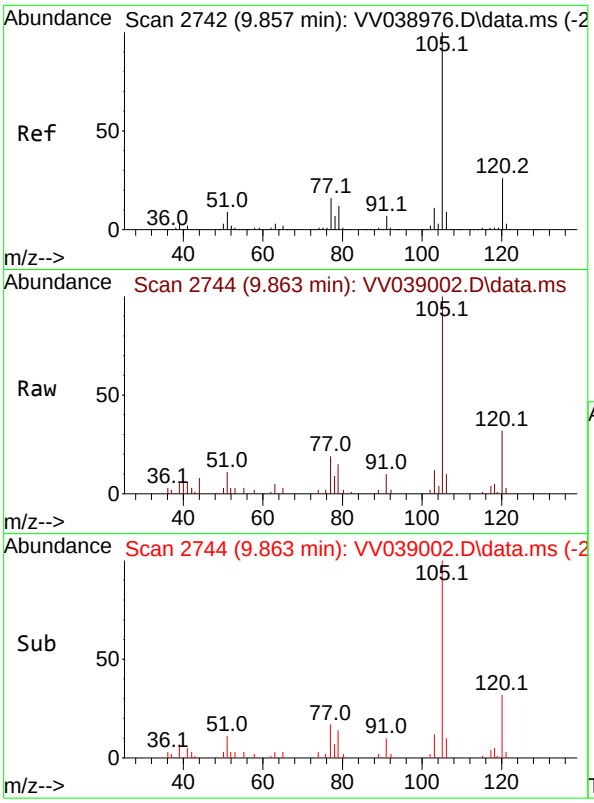


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039002.D
Acq: 21 Aug 2025 23:16

Tgt Ion:152 Resp: 439427

Ion	Ratio	Lower	Upper
152	100		
115	61.0	42.5	127.5
150	158.2	0.0	344.8



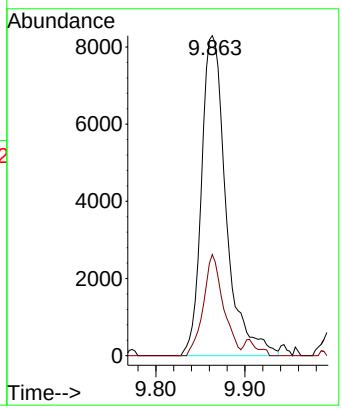


#73
Isopropylbenzene
Concen: 0.539 ug/l
RT: 9.863 min Scan# 2
Delta R.T. 0.006 min
Lab File: VV039002.D
Acq: 21 Aug 2025 23:16

Instrument :
MSVOA_V
ClientSampleId :
MW-16C-082025

Tgt Ion:105 Resp: 15900

Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.1	39.1



LSC Area Percent Report

Sample Results: **VV039002.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039002.D
Acq On : 21 Aug 2025 23:16
Operator : SY/MD
Sample : Q2924-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-16C-082025

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_V\Method\82V082125W.M
Title : SW846 8260

Signal : TIC: VV039002.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.098	14	18	40	rVB2	61248	98431	2.52%	0.310%
2	1.201	41	50	61	rBV	199883	459707	11.76%	1.448%
3	1.295	70	79	89	rBV	768228	1018741	26.05%	3.209%
4	1.793	226	234	245	rVB3	32070	49953	1.28%	0.157%
5	1.873	252	259	274	rVB2	32124	54171	1.39%	0.171%
6	2.703	502	517	567	rBV2	1790946	3909973	100.00%	12.315%
7	3.822	847	865	899	rBV	482468	1343172	34.35%	4.230%
8	4.503	1064	1077	1095	rBV	484515	1271007	32.51%	4.003%
9	4.600	1095	1107	1148	rVB	771009	2101158	53.74%	6.618%
10	4.941	1202	1213	1228	rBV	529761	1237609	31.65%	3.898%
11	5.015	1228	1236	1263	rVV3	176983	500999	12.81%	1.578%
12	5.532	1386	1397	1450	rBV	1244985	2812029	71.92%	8.857%
13	5.835	1479	1491	1535	rBV2	351159	805841	20.61%	2.538%
14	7.236	1916	1927	1966	rBV	1998404	3679731	94.11%	11.590%
15	7.905	2125	2135	2154	rVB2	42197	79413	2.03%	0.250%
16	8.773	2394	2405	2437	rBV	1901422	3225235	82.49%	10.158%
17	8.950	2452	2460	2471	rBV2	25944	49030	1.25%	0.154%
18	9.252	2539	2554	2568	rBV4	27181	62959	1.61%	0.198%
19	9.863	2735	2744	2760	rBV2	23094	42670	1.09%	0.134%
20	10.002	2775	2787	2817	rBV	1602154	2583520	66.08%	8.137%
21	10.828	3033	3044	3056	rBV	34297	59123	1.51%	0.186%
22	11.172	3135	3151	3187	rBV	1651482	2658765	68.00%	8.374%
23	11.561	3261	3272	3284	rBV2	45436	78387	2.00%	0.247%
24	11.770	3327	3337	3347	rBV	25055	44249	1.13%	0.139%
25	12.040	3408	3421	3441	rBV	1631769	2477721	63.37%	7.804%
26	12.294	3492	3500	3516	rVB3	37062	62120	1.59%	0.196%
27	12.481	3547	3558	3571	rVB5	21370	45060	1.15%	0.142%
28	12.873	3669	3680	3696	rBV	227861	376061	9.62%	1.184%
29	12.982	3702	3714	3730	rVB5	24619	56568	1.45%	0.178%
30	13.143	3754	3764	3775	rBV2	70466	122245	3.13%	0.385%
31	13.236	3785	3793	3811	rVB4	37365	84179	2.15%	0.265%
32	13.439	3837	3856	3875	rBV5	30752	90351	2.31%	0.285%
33	13.834	3967	3979	3995	rBV3	100095	162066	4.14%	0.510%
34	14.220	4090	4099	4112	rVB7	22000	47674	1.22%	0.150%

Sum of corrected areas: 31749918

Instrument :
MSVOA_V
ClientSampleId :
MW-16C-082025

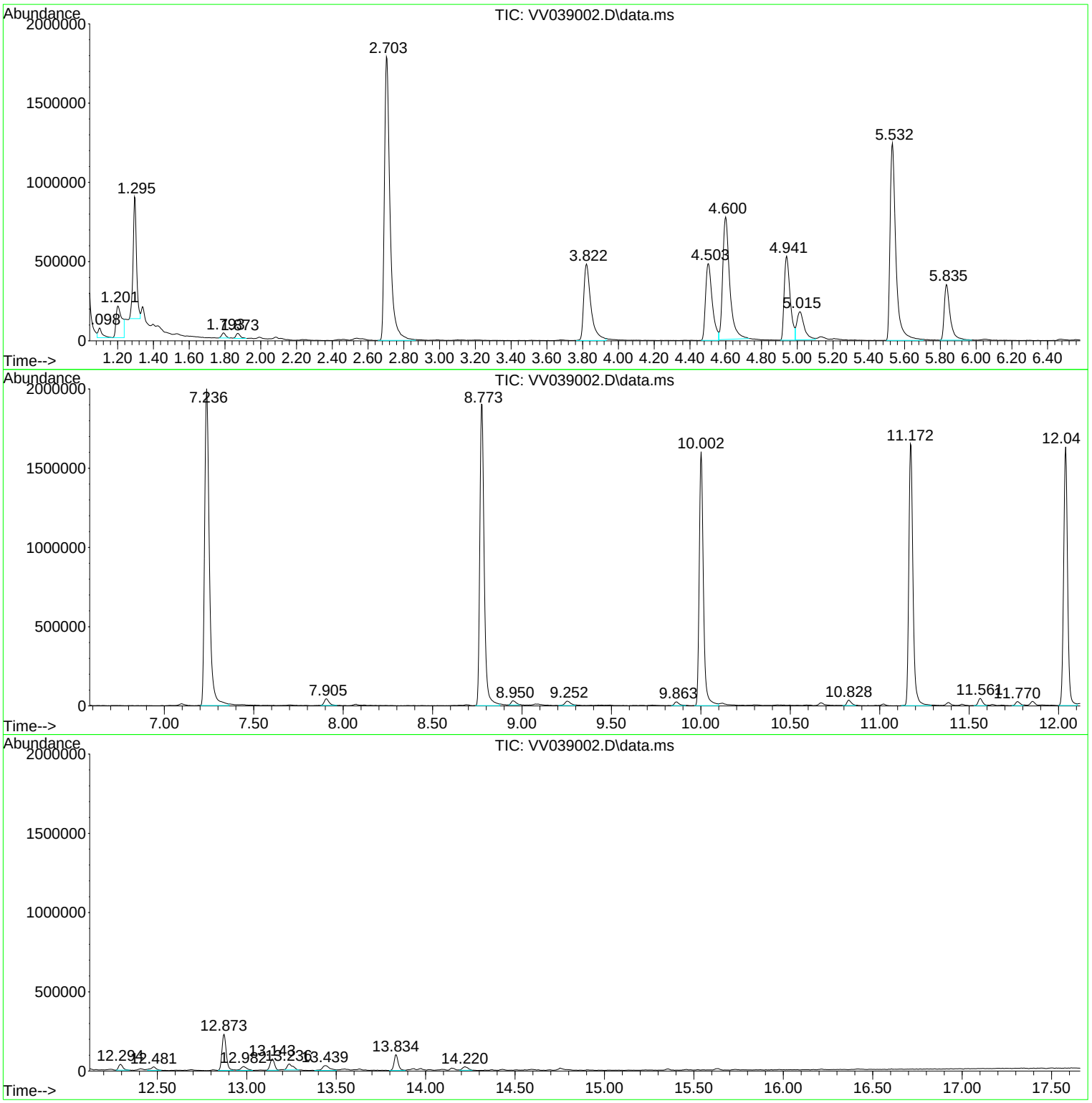
Sample Results: **VV039002.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039002.D
Acq On : 21 Aug 2025 23:16
Operator : SY/MD
Sample : Q2924-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-16C-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039002.D
Acq On : 21 Aug 2025 23:16
Operator : SY/MD
Sample : Q2924-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-16C-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

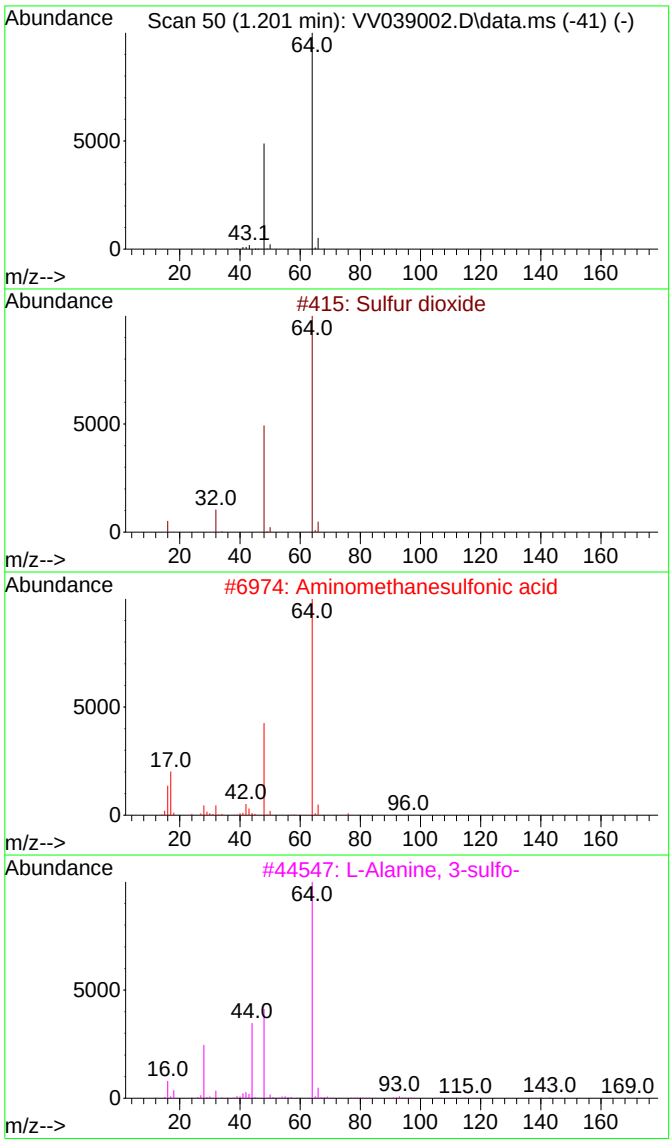
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

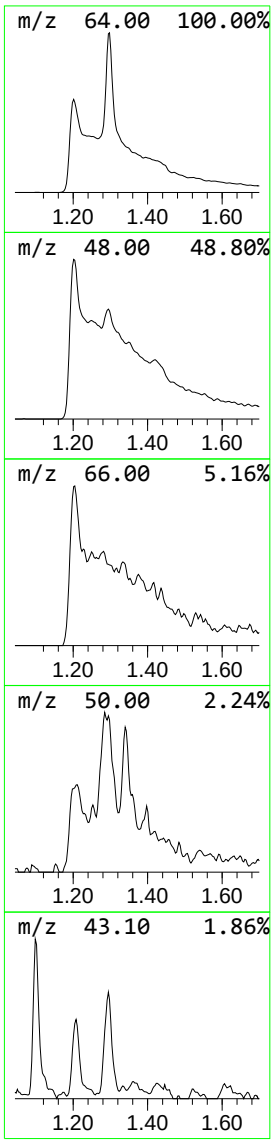
****

Peak Number 1 Sulfur dioxide Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.201	10.94 ug/l	459707	Pentafluorobenzene	4.600

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	5
5	Ethene, 1,2-difluoro-	64	C2H2F2	001691-13-0	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039002.D
Acq On : 21 Aug 2025 23:16
Operator : SY/MD
Sample : Q2924-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-16C-082025

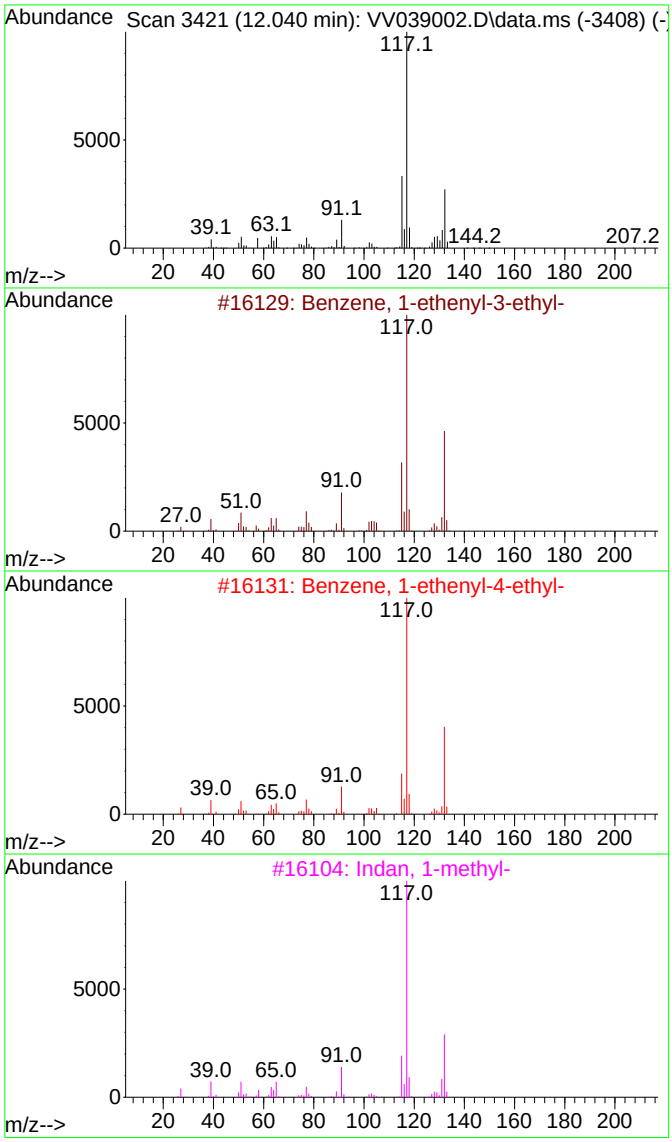
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

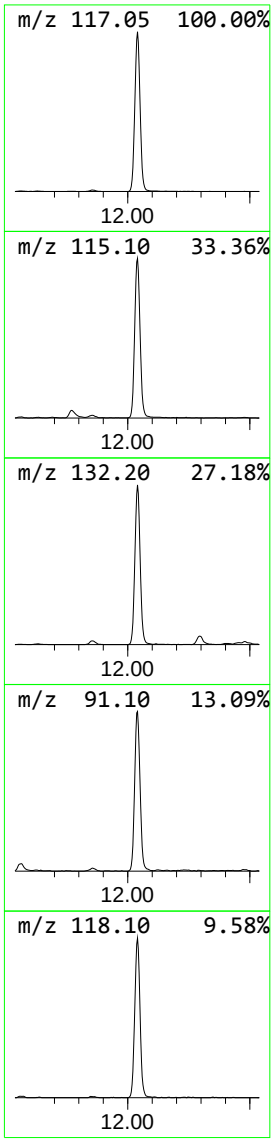
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.040	46.60 ug/l	2477720	1,4-Dichlorobenzene-d4	11.172

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	83
3	Indan, 1-methyl-	132	C10H12	000767-58-8	83
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	80
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039002.D
Acq On : 21 Aug 2025 23:16
Operator : SY/MD
Sample : Q2924-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-16C-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

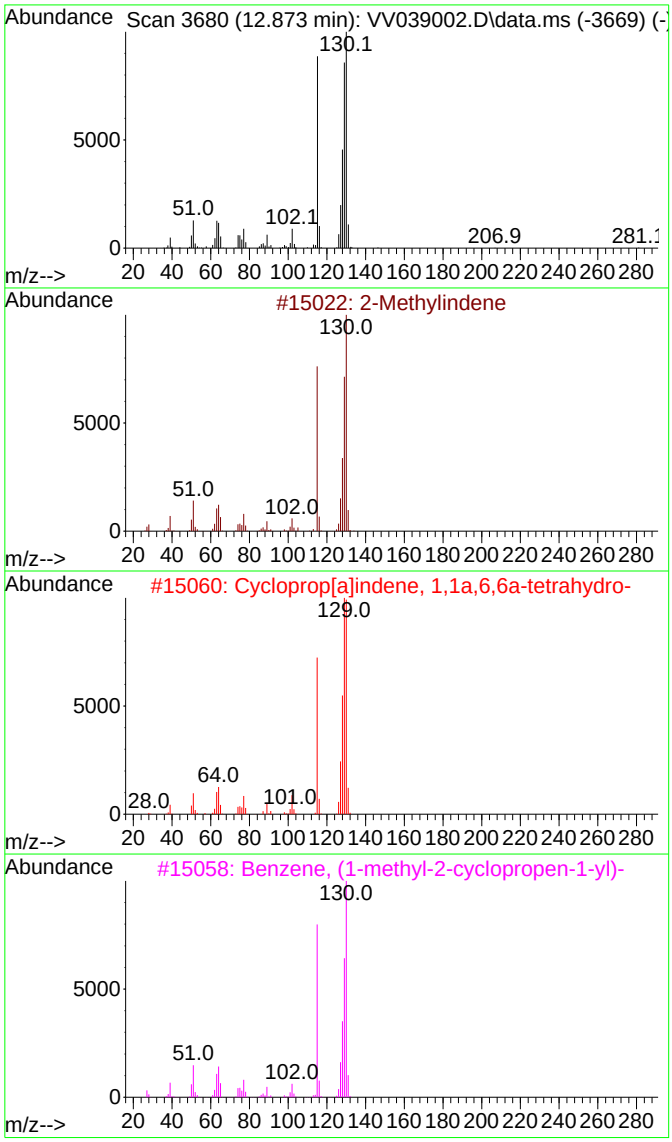
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

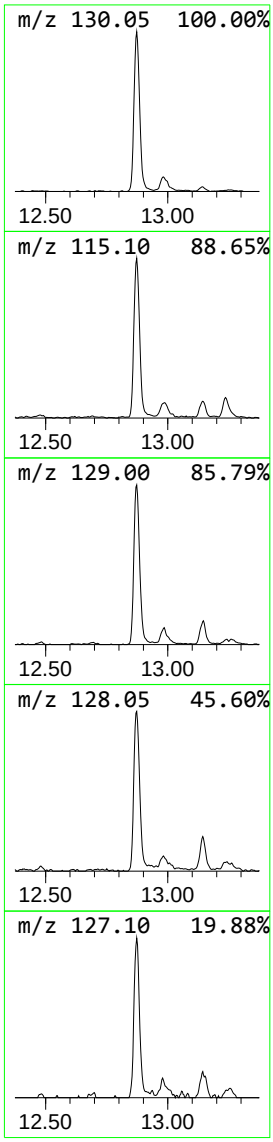
****

Peak Number 3 2-Methylindene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.873	7.07 ug/l	376061	1,4-Dichlorobenzene-d4	11.172

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	97
2	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	96
3	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	96
4	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94





Sample Results: **VV039002.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039002.D
Acq On : 21 Aug 2025 23:16
Operator : SY/MD
Sample : Q2924-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-16C-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.201	10.9	ug/l	459707	1	4.600	2101160	50.0
Benzene, 1-ethe...	12.040	46.6	ug/l	2477720	4	11.172	2658770	50.0
2-Methylindene	12.873	7.1	ug/l	376061	4	11.172	2658770	50.0

Raw Data: **VV039003.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-8A-082025	SDG No.:	Q2924
Lab Sample ID:	Q2924-10	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039003.D	1	08/21/25 23:37	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.00	U	0.22	5.00	ug/L
74-87-3	Chloromethane	5.00	U	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	5.00	U	0.26	5.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	5.00	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	5.00	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	5.00	U	0.23	5.00	ug/L
67-64-1	Acetone	2.80	J	1.50	25.0	ug/L
75-15-0	Carbon Disulfide	5.00	U	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	5.00	U	0.16	5.00	ug/L
79-20-9	Methyl Acetate	5.00	U	0.27	5.00	ug/L
75-09-2	Methylene Chloride	5.00	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	5.00	U	0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	5.00	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.50	5.00	ug/L
78-93-3	2-Butanone	25.0	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	5.00	U	0.19	5.00	ug/L
74-97-5	Bromochloromethane	5.00	U	0.22	5.00	ug/L
67-66-3	Chloroform	5.00	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	5.00	U	0.16	5.00	ug/L
71-43-2	Benzene	5.00	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	5.00	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.49	J	0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	5.00	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	5.00	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	U	0.68	25.0	ug/L
108-88-3	Toluene	5.00	U	0.14	5.00	ug/L

Raw Data: **VV039003.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-8A-082025	SDG No.:	Q2924
Lab Sample ID:	Q2924-10	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039003.D	1	08/21/25 23:37	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	5.00	U	0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	U	0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	5.00	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	25.0	U	0.89	25.0	ug/L
124-48-1	Dibromochloromethane	5.00	U	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	5.00	U	0.15	5.00	ug/L
127-18-4	Tetrachloroethene	5.00	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	5.00	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	5.00	U	0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	10.0	U	0.24	10.0	ug/L
95-47-6	o-Xylene	5.00	U	0.12	5.00	ug/L
100-42-5	Styrene	5.00	U	0.15	5.00	ug/L
75-25-2	Bromoform	5.00	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	5.00	U	0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	U	0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.0		74 - 125	102%	SPK: 50
1868-53-7	Dibromofluoromethane	45.0		75 - 124	90%	SPK: 50
2037-26-5	Toluene-d8	55.1		86 - 113	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.8		77 - 121	118%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	404000	4.603			
540-36-3	1,4-Difluorobenzene	696000	5.532			
3114-55-4	Chlorobenzene-d5	801000	8.776			
3855-82-1	1,4-Dichlorobenzene-d4	375000	11.175			
TENTATIVE IDENTIFIED COMPOUNDS						

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-8A-082025	SDG No.:	Q2924
Lab Sample ID:	Q2924-10	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039003.D	1	08/21/25 23:37	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	20.8	J		1.20	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_V\DATA\VV082125\
Data File : VV039003.D
Acq On : 21 Aug 2025 23:37
Operator : SY/MD
Sample : Q2924-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-8A-082025

Quant Time: Aug 22 04:41:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

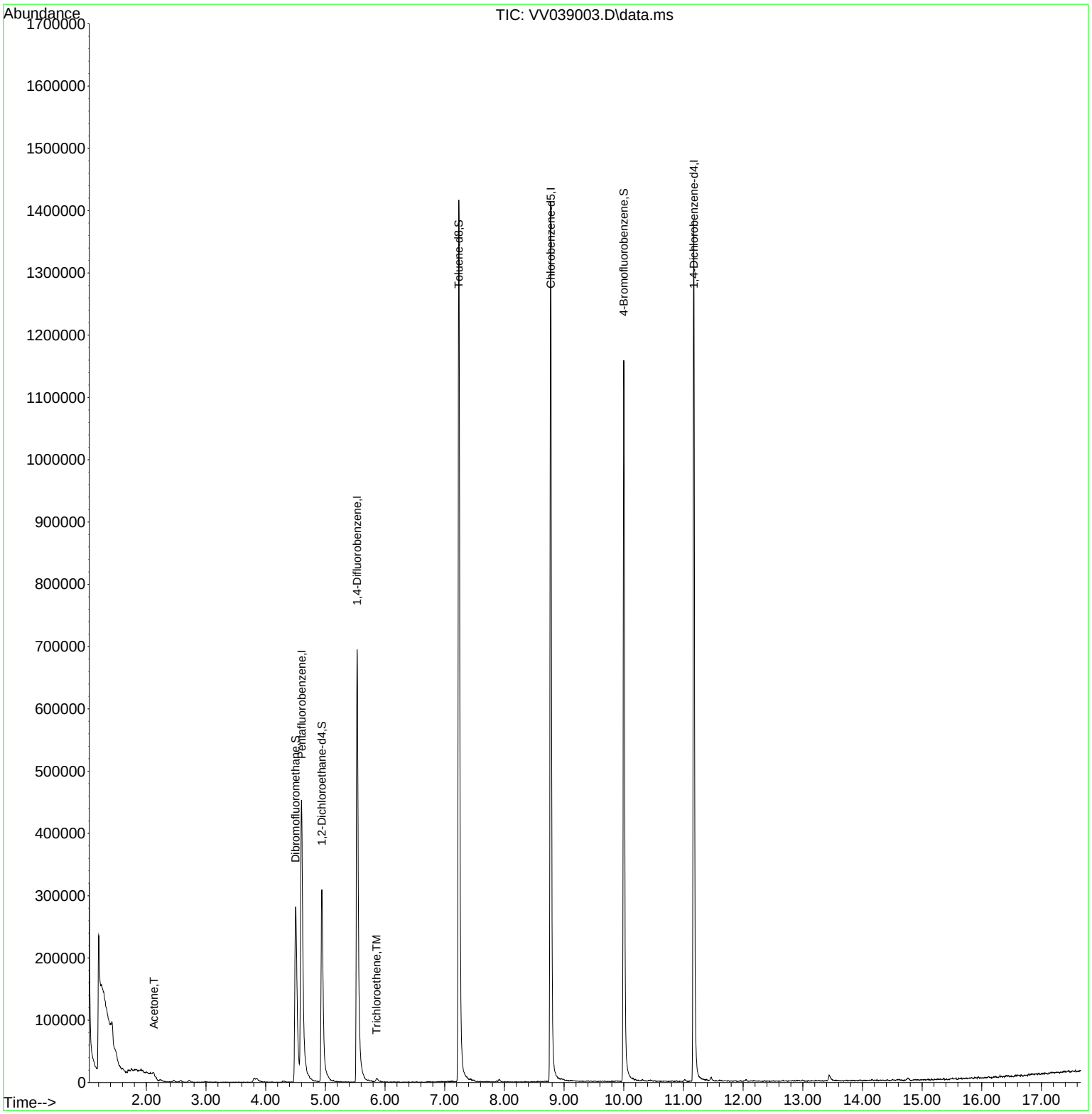
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.603	168	403960	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	696194	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	801104	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	375249	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	289211	51.023	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 102.040%			
35) Dibromofluoromethane	4.503	113	235166	45.041	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 90.080%			
50) Toluene-d8	7.236	98	1002580	55.068	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 110.140%			
62) 4-Bromofluorobenzene	10.001	95	391864	58.836	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 117.680%#			
Target Compounds						Qvalue
16) Acetone	2.127	43	6439	2.830	ug/l	97
44) Trichloroethene	5.857	130	2794	0.485	ug/l	78

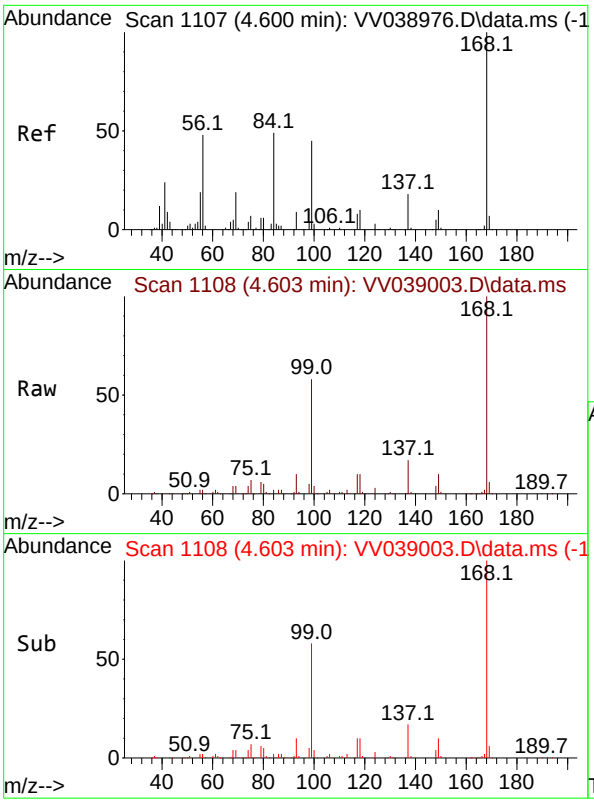
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039003.D
Acq On : 21 Aug 2025 23:37
Operator : SY/MD
Sample : Q2924-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-8A-082025

Quant Time: Aug 22 04:41:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration



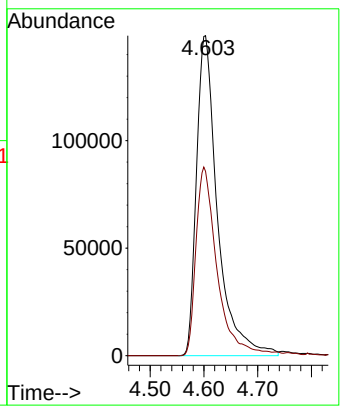


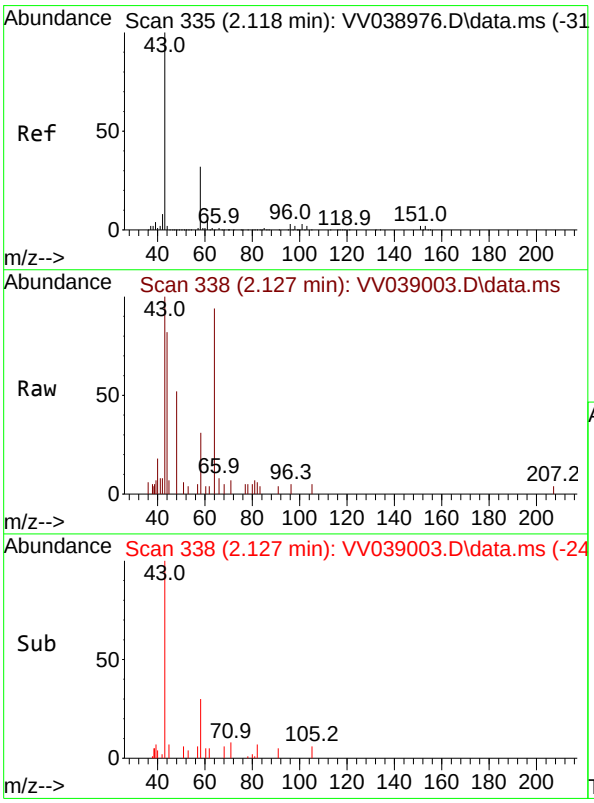
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.603 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV039003.D
Acq: 21 Aug 2025 23:37

Instrument :
MSVOA_V
ClientSampleId :
MW-8A-082025

Tgt Ion:168 Resp: 403960

Ion	Ratio	Lower	Upper
168	100		
99	57.6	47.0	70.6

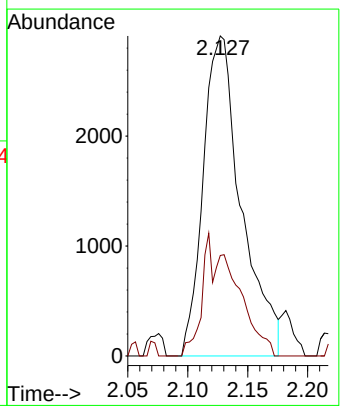


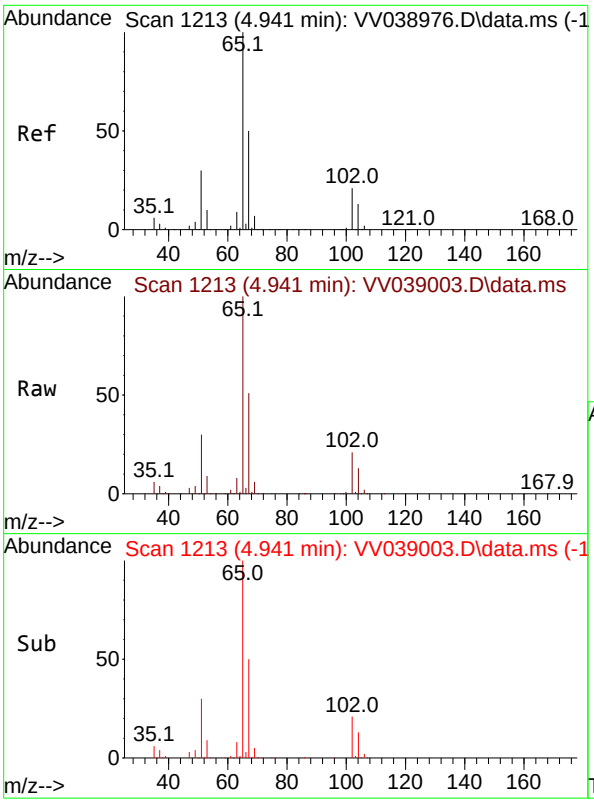


#16
Acetone
Concen: 2.830 ug/l
RT: 2.127 min Scan# 338
Delta R.T. 0.010 min
Lab File: VV039003.D
Acq: 21 Aug 2025 23:37

Tgt Ion: 43 Resp: 6439

Ion	Ratio	Lower	Upper
43	100		
58	31.4	26.3	39.5



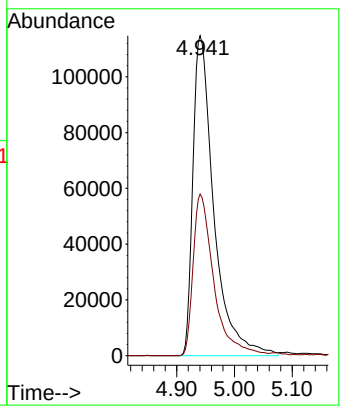


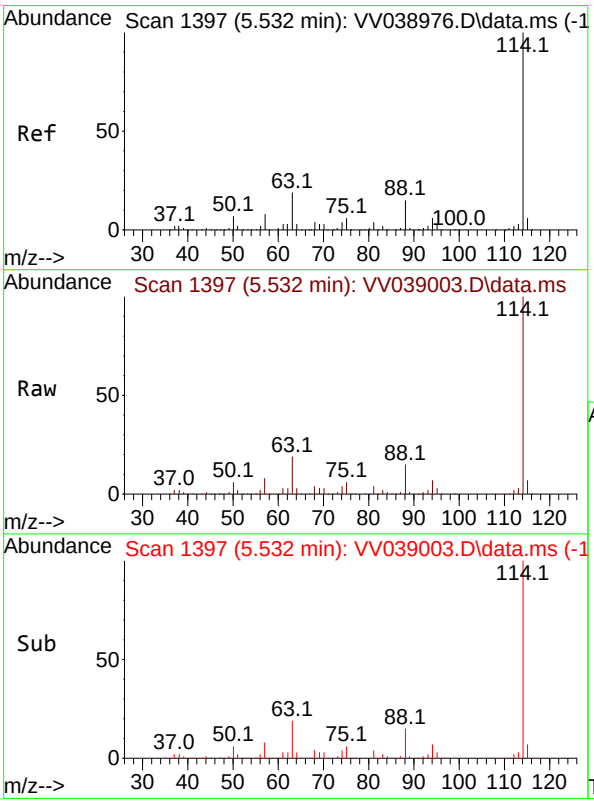
#33
1,2-Dichloroethane-d4
Concen: 51.023 ug/l
RT: 4.941 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039003.D
Acq: 21 Aug 2025 23:37

Instrument :
MSVOA_V
ClientSampleId :
MW-8A-082025

Tgt Ion: 65 Resp: 289211

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	100.4

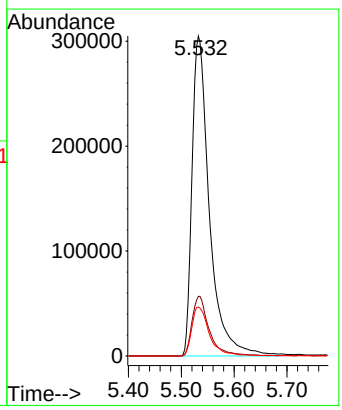


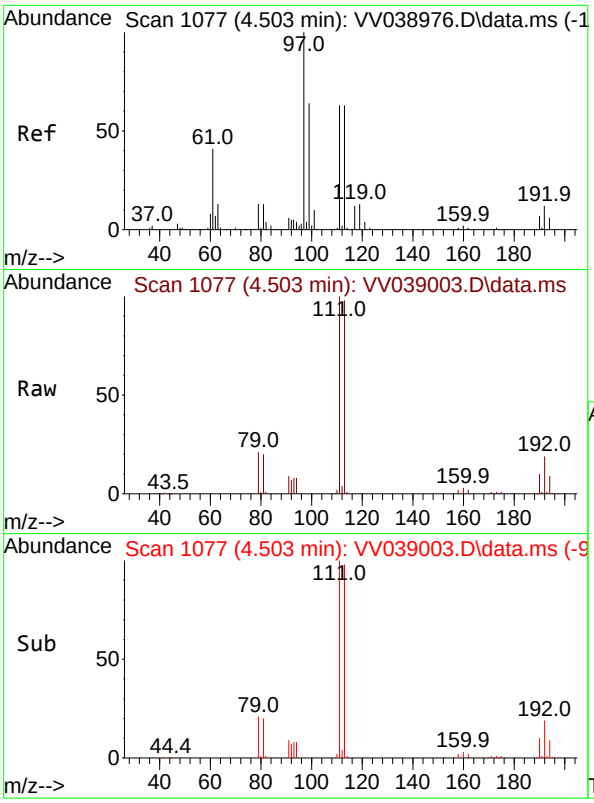


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VV039003.D
Acq: 21 Aug 2025 23:37

Tgt Ion:114 Resp: 696194

Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	37.4
88	15.3	0.0	30.4



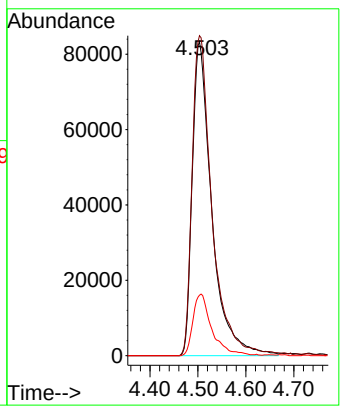


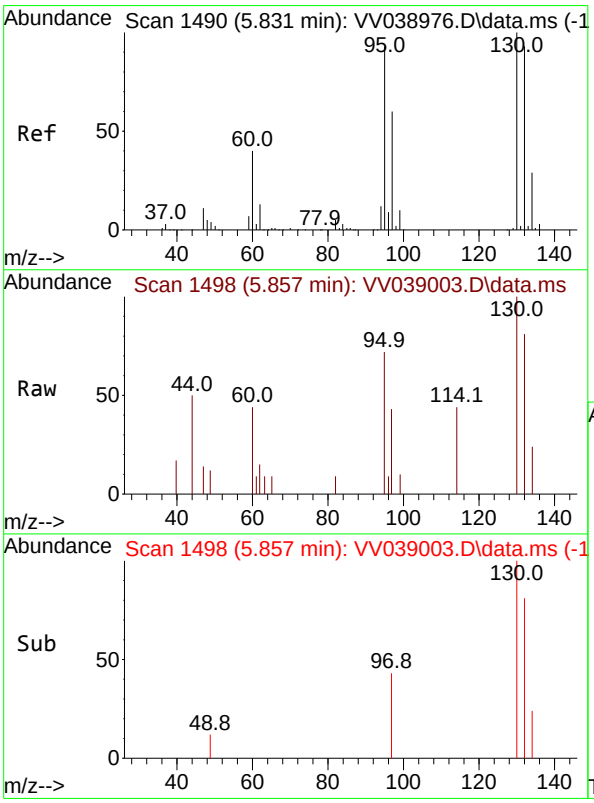
#35
Dibromofluoromethane
Concen: 45.041 ug/l
RT: 4.503 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039003.D
Acq: 21 Aug 2025 23:37

Instrument :
MSVOA_V
ClientSampleId :
MW-8A-082025

Tgt Ion:113 Resp: 235166

Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.3	121.9
192	19.0	15.4	23.0

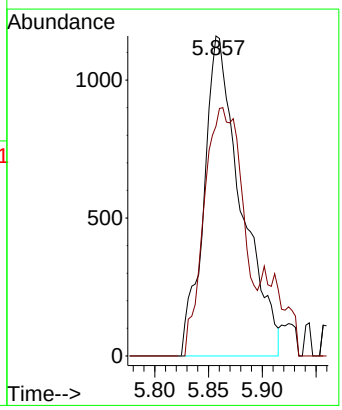


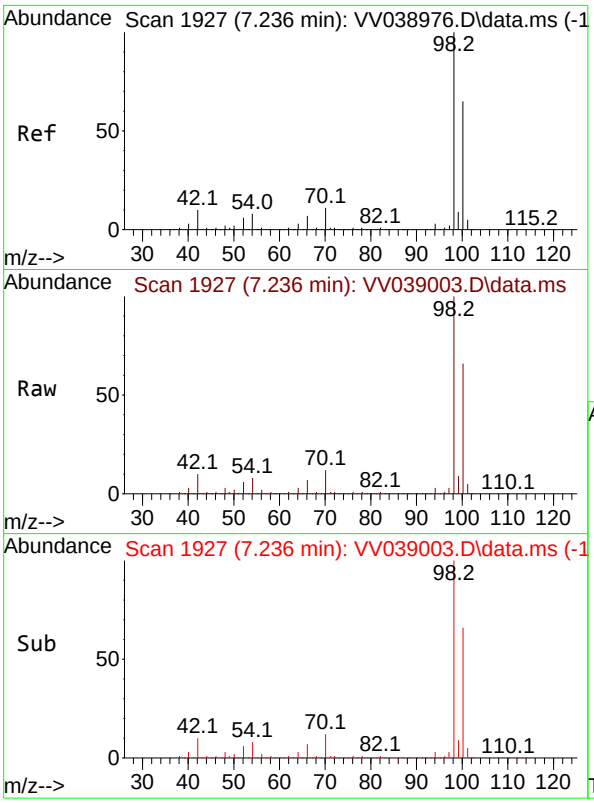


#44
Trichloroethene
Concen: 0.485 ug/l
RT: 5.857 min Scan# 1498
Delta R.T. 0.026 min
Lab File: VV039003.D
Acq: 21 Aug 2025 23:37

Tgt Ion:130 Resp: 2794

Ion	Ratio	Lower	Upper
130	100		
95	71.8	0.0	186.6



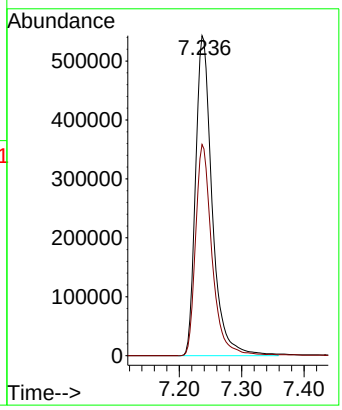


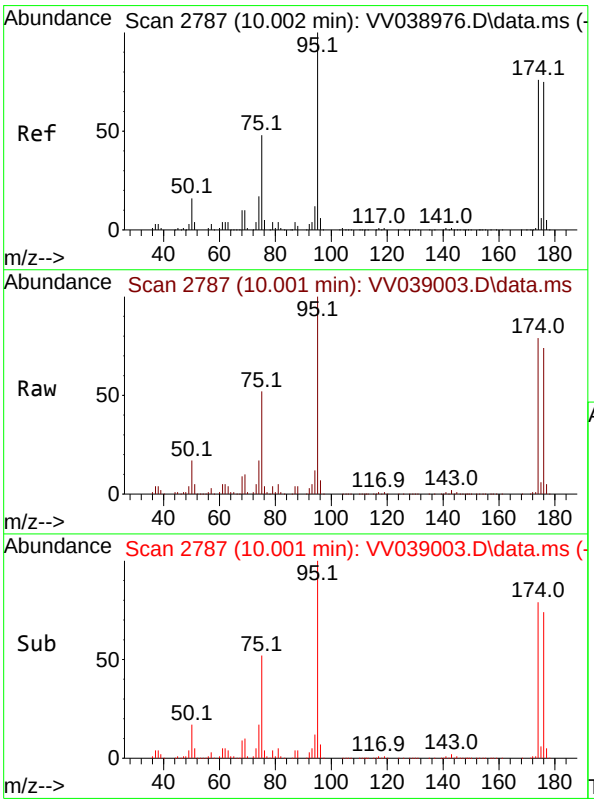
#50
Toluene-d8
Concen: 55.068 ug/l
RT: 7.236 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039003.D
Acq: 21 Aug 2025 23:37

Instrument :
MSVOA_V
ClientSampleId :
MW-8A-082025

Tgt Ion: 98 Resp: 1002580

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.2	78.2

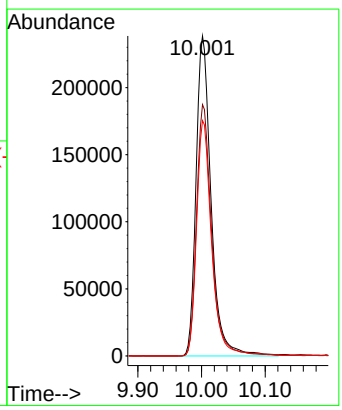


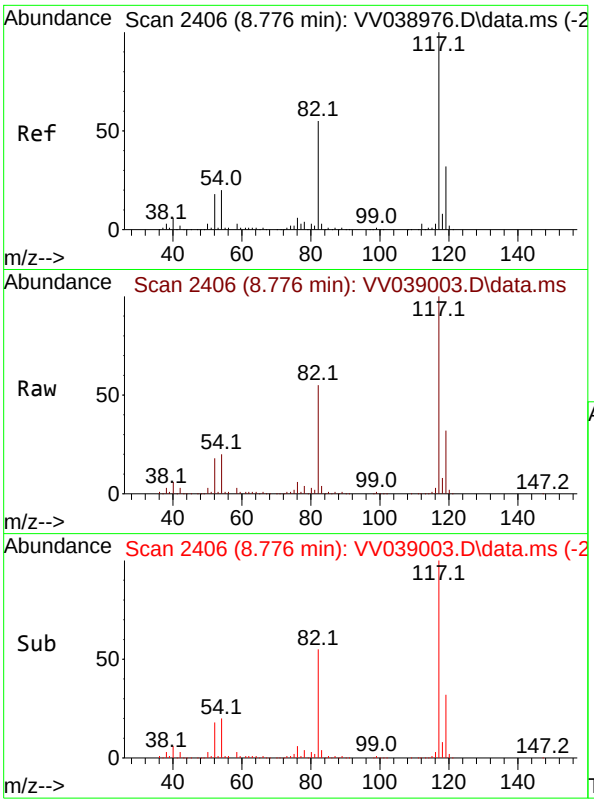


#62
4-Bromofluorobenzene
Concen: 58.836 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. -0.000 min
Lab File: VV039003.D
Acq: 21 Aug 2025 23:37

Tgt Ion: 95 Resp: 391864

Ion	Ratio	Lower	Upper
95	100		
174	78.7	0.0	154.4
176	73.0	0.0	148.6



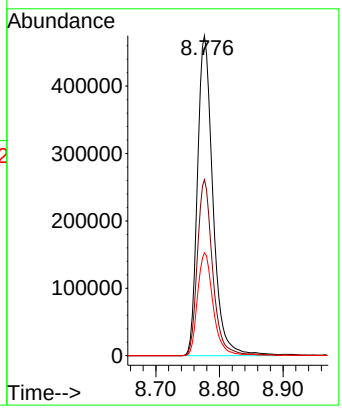


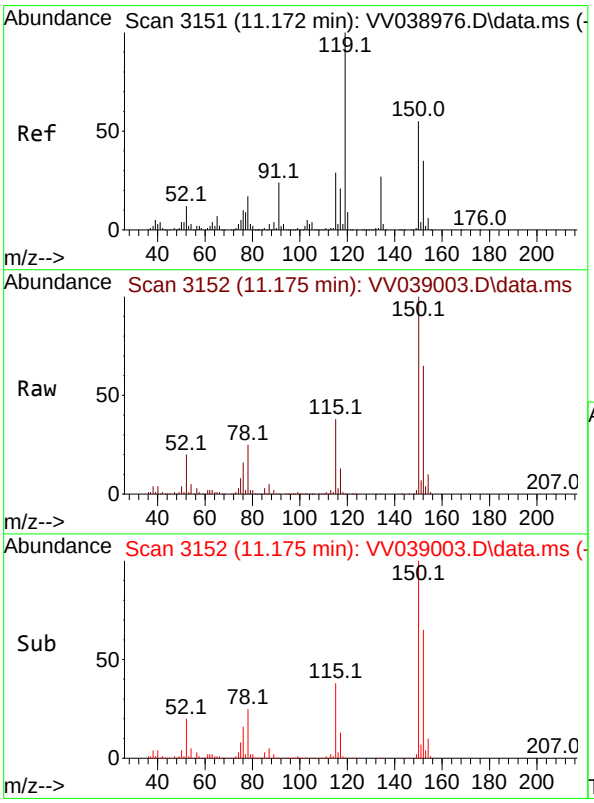
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 24
Delta R.T. 0.000 min
Lab File: VV039003.D
Acq: 21 Aug 2025 23:37

Instrument :
MSVOA_V
ClientSampleId :
MW-8A-082025

Tgt Ion:117 Resp: 801104

Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.4	66.6
119	32.1	26.0	39.0

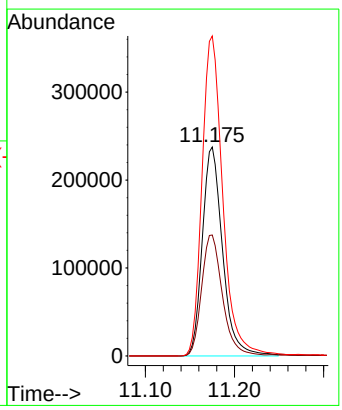




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.175 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VV039003.D
Acq: 21 Aug 2025 23:37

Tgt Ion:152 Resp: 375249

Ion	Ratio	Lower	Upper
152	100		
115	59.5	42.5	127.5
150	157.0	0.0	344.8



Sample Results: **VV039003.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039003.D
Acq On : 21 Aug 2025 23:37
Operator : SY/MD
Sample : Q2924-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-8A-082025

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_V\Method\82V082125W.M
Title : SW846 8260

Signal : TIC: VV039003.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.201	43	50	61	rBV	214185	487121	18.60%	3.492%
2	4.503	1062	1077	1096	rBV3	281668	748963	28.59%	5.370%
3	4.600	1096	1107	1139	rVB2	442549	1169940	44.66%	8.388%
4	4.941	1201	1213	1257	rBV	308081	770851	29.43%	5.527%
5	5.532	1386	1397	1435	rBV	694794	1576962	60.20%	11.306%
6	7.236	1916	1927	1959	rBV	1415321	2619419	100.00%	18.780%
7	8.776	2394	2406	2437	rBV	1412856	2400278	91.63%	17.209%
8	10.001	2774	2787	2832	rBV	1158075	1926046	73.53%	13.809%
9	11.175	3141	3152	3180	rBV	1383048	2248431	85.84%	16.120%

Sum of corrected areas: 13948011

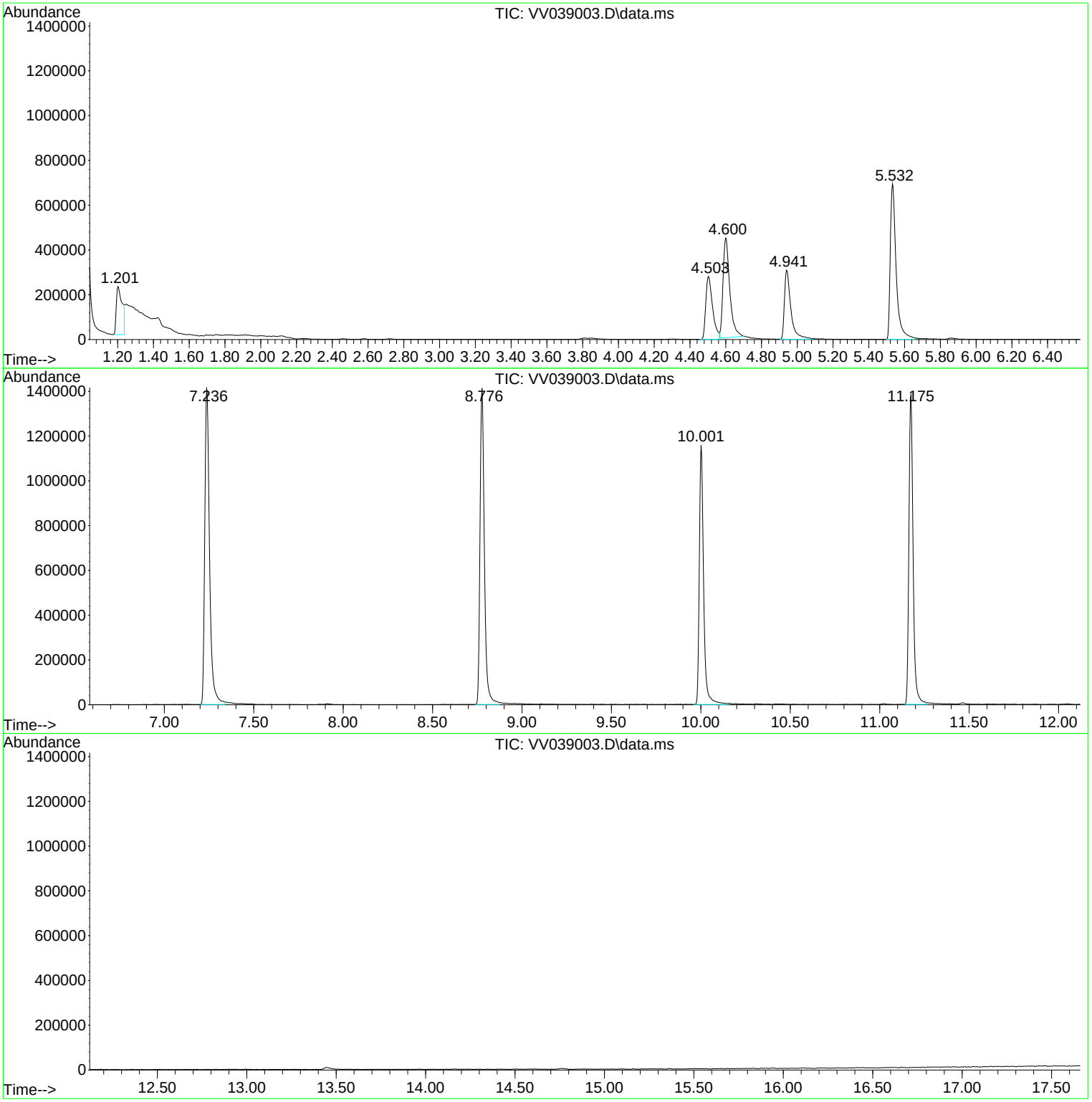
Sample Results: **VV039003.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039003.D
Acq On : 21 Aug 2025 23:37
Operator : SY/MD
Sample : Q2924-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-8A-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

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



Sample Results: **VV039003.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039003.D
Acq On : 21 Aug 2025 23:37
Operator : SY/MD
Sample : Q2924-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-8A-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

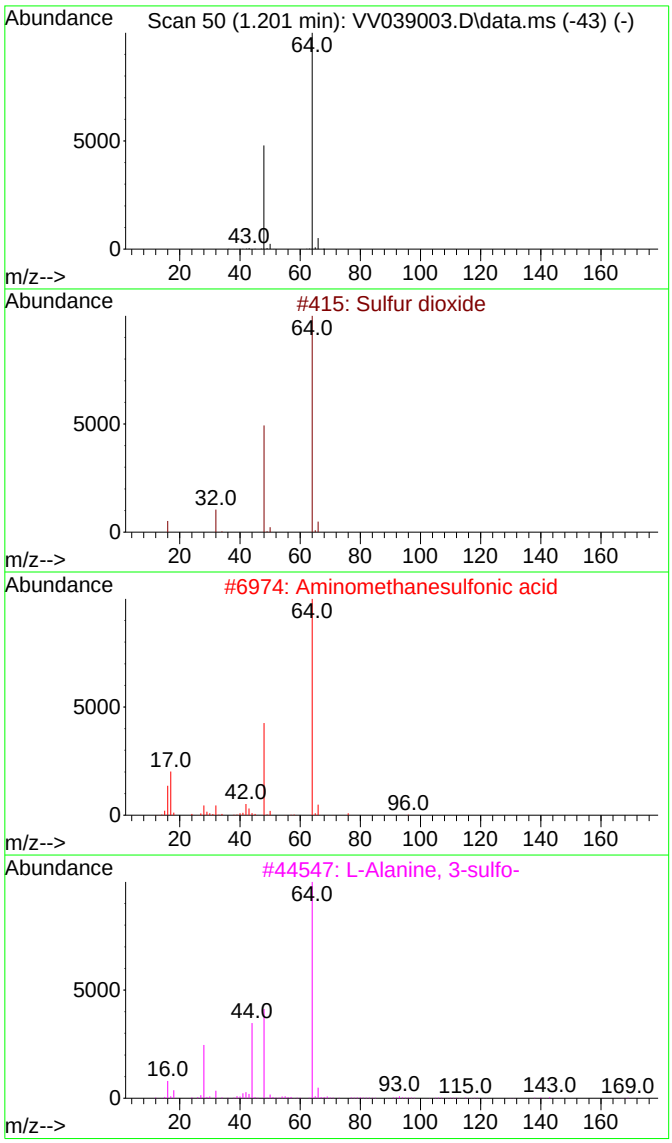
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

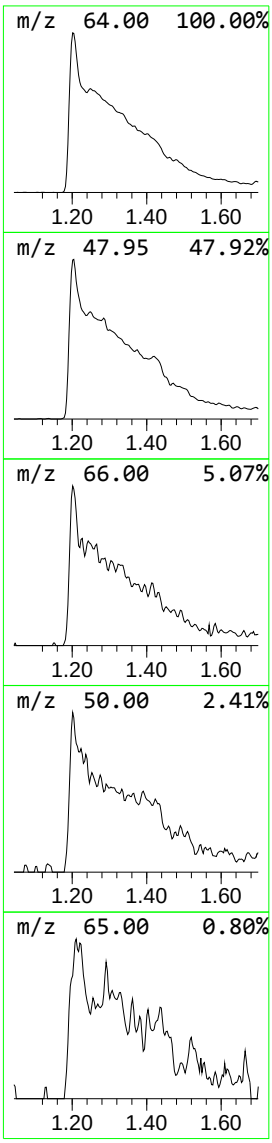
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.201	20.82 ug/l	487121	Pentafluorobenzene	4.603

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





Sample Results: **VV039003.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039003.D
Acq On : 21 Aug 2025 23:37
Operator : SY/MD
Sample : Q2924-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-8A-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.201	20.8	ug/l	487121	1	4.603	1169940	50.0

Raw Data: **VV038996.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	FB-01-082025	SDG No.:	Q2924
Lab Sample ID:	Q2924-11	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV038996.D	1	08/21/25 21:06	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.00	U	0.22	5.00	ug/L
74-87-3	Chloromethane	5.00	U	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	5.00	U	0.26	5.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	5.00	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	5.00	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	5.00	U	0.23	5.00	ug/L
67-64-1	Acetone	14.1	J	1.50	25.0	ug/L
75-15-0	Carbon Disulfide	5.00	U	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	5.00	U	0.16	5.00	ug/L
79-20-9	Methyl Acetate	5.00	U	0.27	5.00	ug/L
75-09-2	Methylene Chloride	5.00	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	5.00	U	0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	5.00	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.50	5.00	ug/L
78-93-3	2-Butanone	25.0	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	5.00	U	0.19	5.00	ug/L
74-97-5	Bromochloromethane	5.00	U	0.22	5.00	ug/L
67-66-3	Chloroform	5.00	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	5.00	U	0.16	5.00	ug/L
71-43-2	Benzene	5.00	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	5.00	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	5.00	U	0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	5.00	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	5.00	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	U	0.68	25.0	ug/L
108-88-3	Toluene	5.00	U	0.14	5.00	ug/L

Raw Data: **VV038996.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	FB-01-082025	SDG No.:	Q2924
Lab Sample ID:	Q2924-11	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV038996.D	1	08/21/25 21:06	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	5.00	U	0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	U	0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	5.00	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	25.0	U	0.89	25.0	ug/L
124-48-1	Dibromochloromethane	5.00	U	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	5.00	U	0.15	5.00	ug/L
127-18-4	Tetrachloroethene	5.00	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	5.00	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	5.00	U	0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	10.0	U	0.24	10.0	ug/L
95-47-6	o-Xylene	5.00	U	0.12	5.00	ug/L
100-42-5	Styrene	5.00	U	0.15	5.00	ug/L
75-25-2	Bromoform	5.00	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	5.00	U	0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	U	0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.6		74 - 125	107%	SPK: 50
1868-53-7	Dibromofluoromethane	46.7		75 - 124	93%	SPK: 50
2037-26-5	Toluene-d8	44.6		86 - 113	89%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.7		77 - 121	83%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	585000	4.6			
540-36-3	1,4-Difluorobenzene	1080000	5.532			
3114-55-4	Chlorobenzene-d5	978000	8.776			
3855-82-1	1,4-Dichlorobenzene-d4	425000	11.175			

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	FB-01-082025	SDG No.:	Q2924
Lab Sample ID:	Q2924-11	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV038996.D	1	08/21/25 21:06	VV082125

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_V\DATA\VV082125\
Data File : VV038996.D
Acq On : 21 Aug 2025 21:06
Operator : SY/MD
Sample : Q2924-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
FB-01-082025

Quant Time: Aug 22 04:38:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

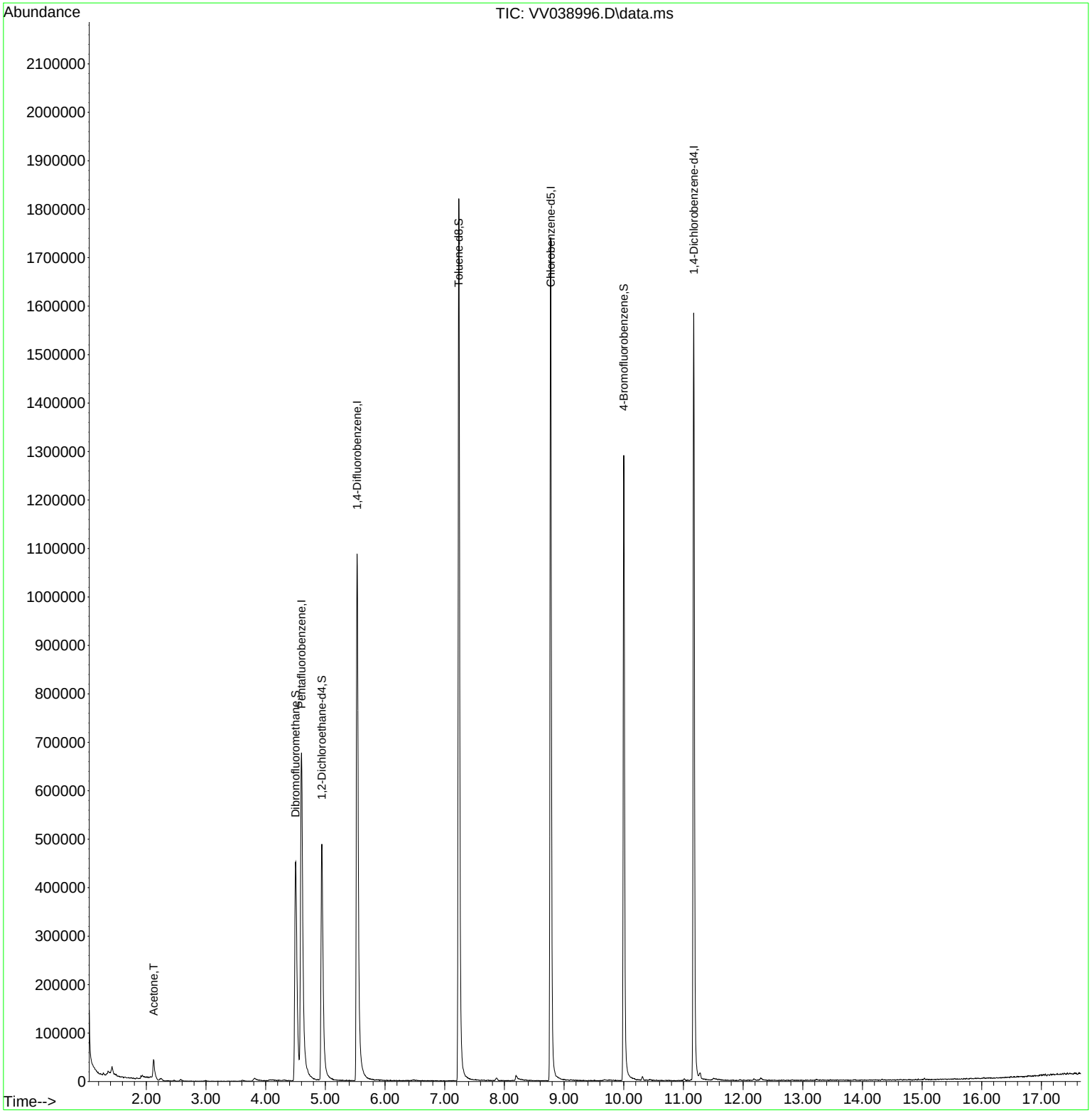
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	585262	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1084020	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	978319	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	424569	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	439913	53.568	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 107.140%			
35) Dibromofluoromethane	4.503	113	380037	46.747	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 93.500%			
50) Toluene-d8	7.236	98	1263312	44.564	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 89.120%			
62) 4-Bromofluorobenzene	10.001	95	432441	41.699	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 83.400%#			
Target Compounds						Qvalue
16) Acetone	2.124	43	46308	14.050	ug/l	99

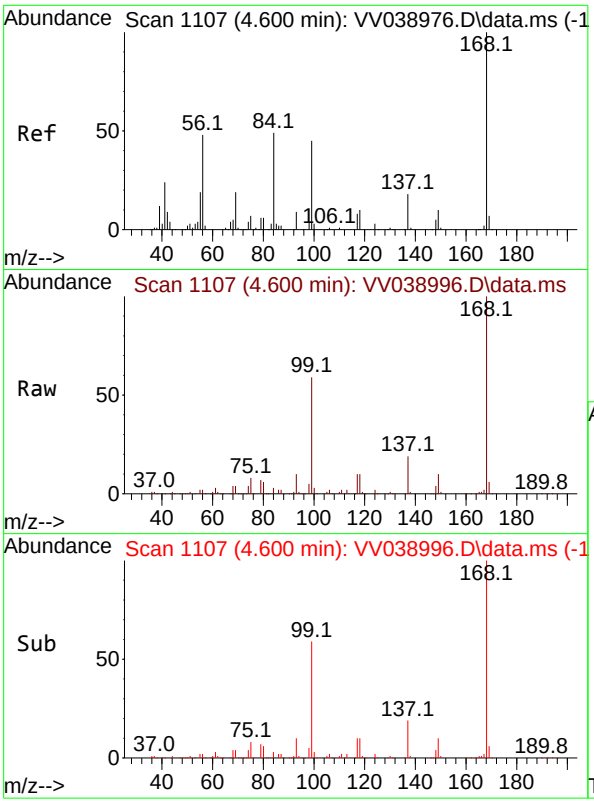
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038996.D
Acq On : 21 Aug 2025 21:06
Operator : SY/MD
Sample : Q2924-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
FB-01-082025

Quant Time: Aug 22 04:38:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration



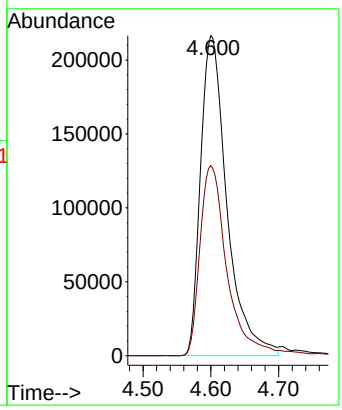


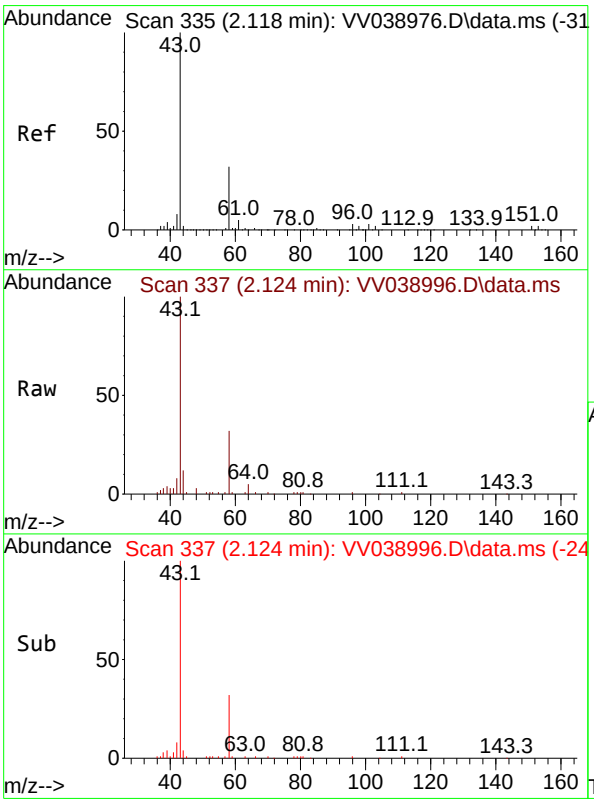
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV038996.D
Acq: 21 Aug 2025 21:06

Instrument :
MSVOA_V
ClientSampleId :
FB-01-082025

Tgt Ion:168 Resp: 585262

Ion	Ratio	Lower	Upper
168	100		
99	59.4	47.0	70.6

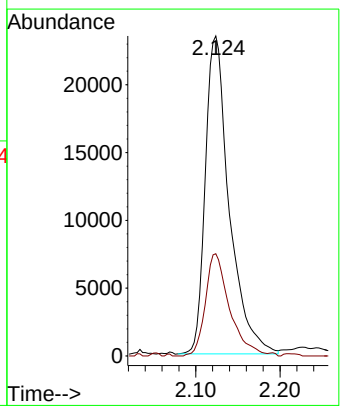


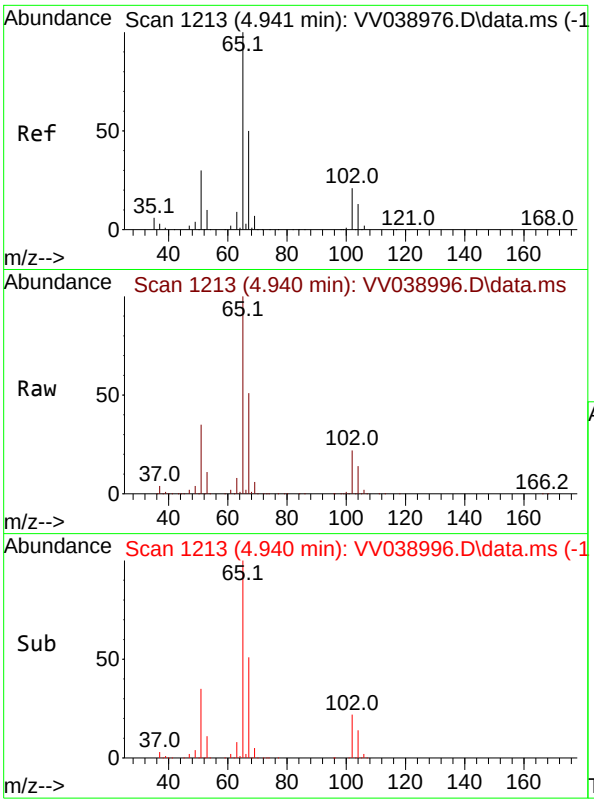


#16
Acetone
Concen: 14.050 ug/l
RT: 2.124 min Scan# 337
Delta R.T. 0.006 min
Lab File: VV038996.D
Acq: 21 Aug 2025 21:06

Tgt Ion: 43 Resp: 46308

Ion	Ratio	Lower	Upper
43	100		
58	32.1	26.3	39.5



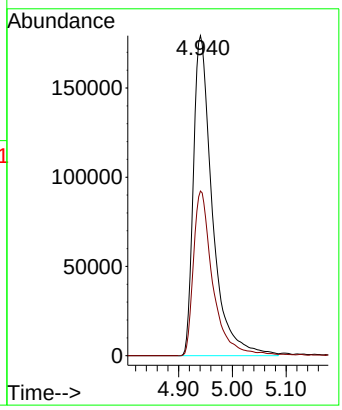


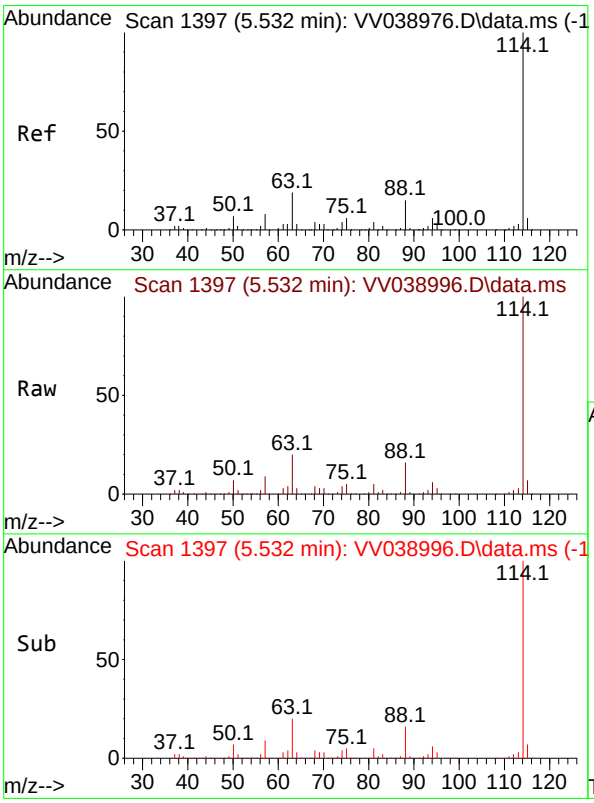
#33
1,2-Dichloroethane-d4
Concen: 53.568 ug/l
RT: 4.940 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV038996.D
Acq: 21 Aug 2025 21:06

Instrument :
MSVOA_V
ClientSampleId :
FB-01-082025

Tgt Ion: 65 Resp: 439913

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	100.4

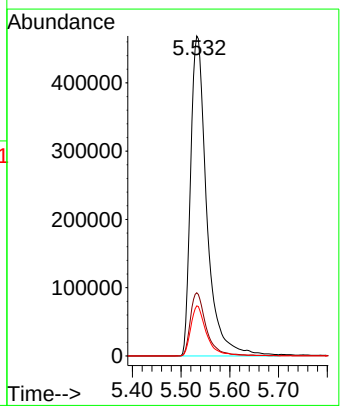


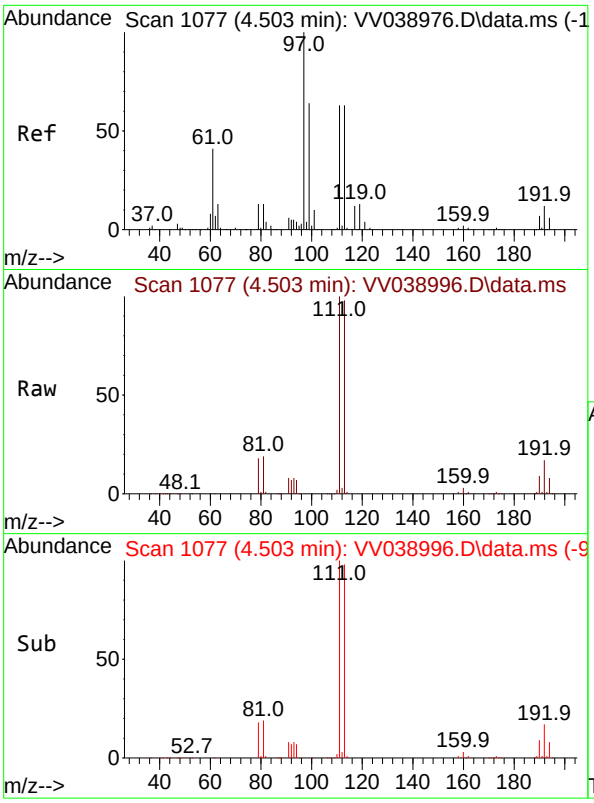


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VV038996.D
Acq: 21 Aug 2025 21:06

Tgt Ion:114 Resp: 1084020

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	37.4
88	15.7	0.0	30.4



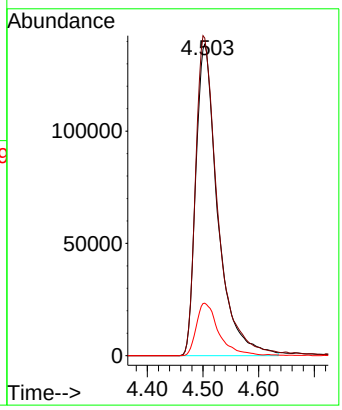


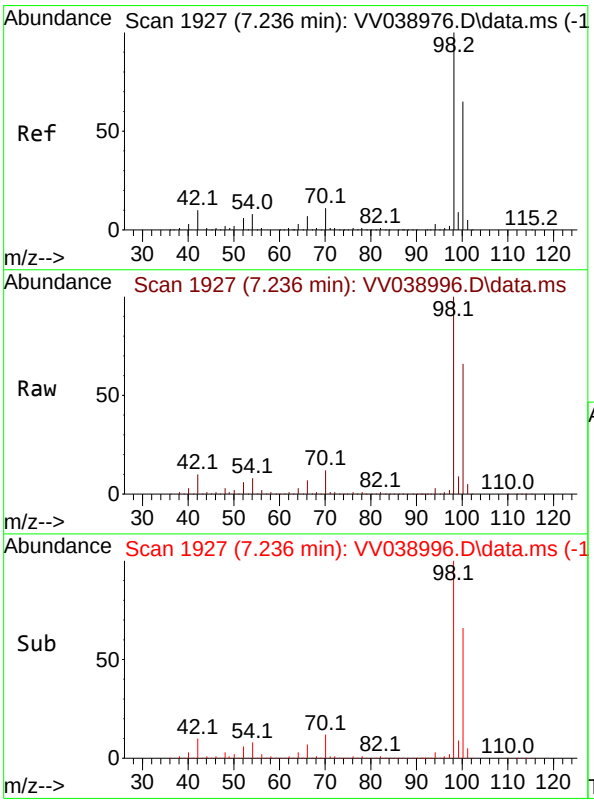
#35
Dibromofluoromethane
Concen: 46.747 ug/l
RT: 4.503 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV038996.D
Acq: 21 Aug 2025 21:06

Instrument :
MSVOA_V
ClientSampleId :
FB-01-082025

Tgt Ion:113 Resp: 380037

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.3	121.9
192	17.2	15.4	23.0

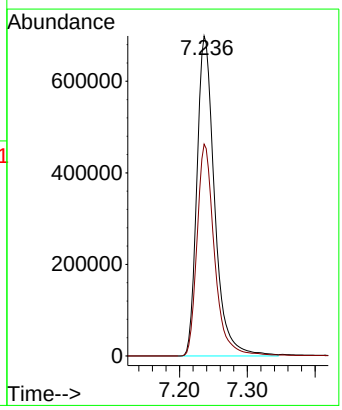


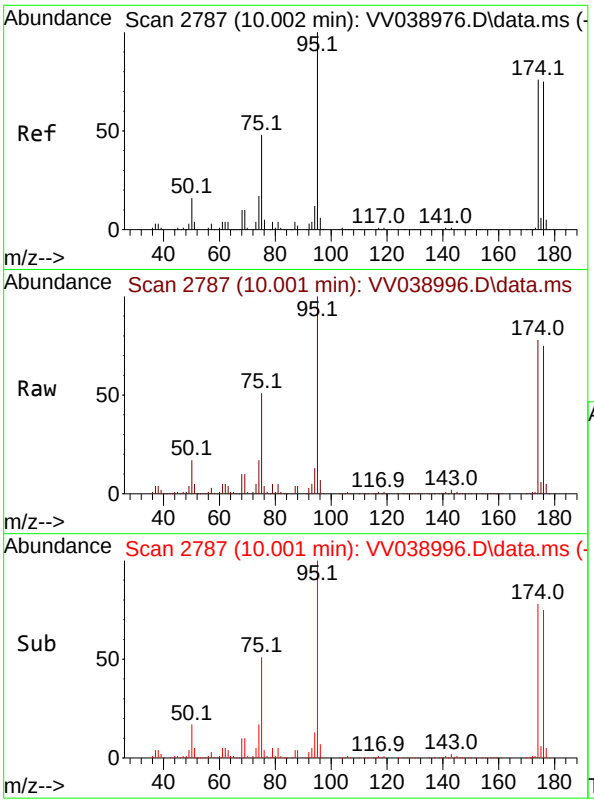


#50
Toluene-d8
Concen: 44.564 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV038996.D
Acq: 21 Aug 2025 21:06

Tgt Ion: 98 Resp: 1263312

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.2	78.2



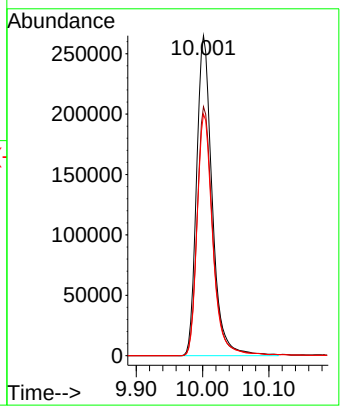


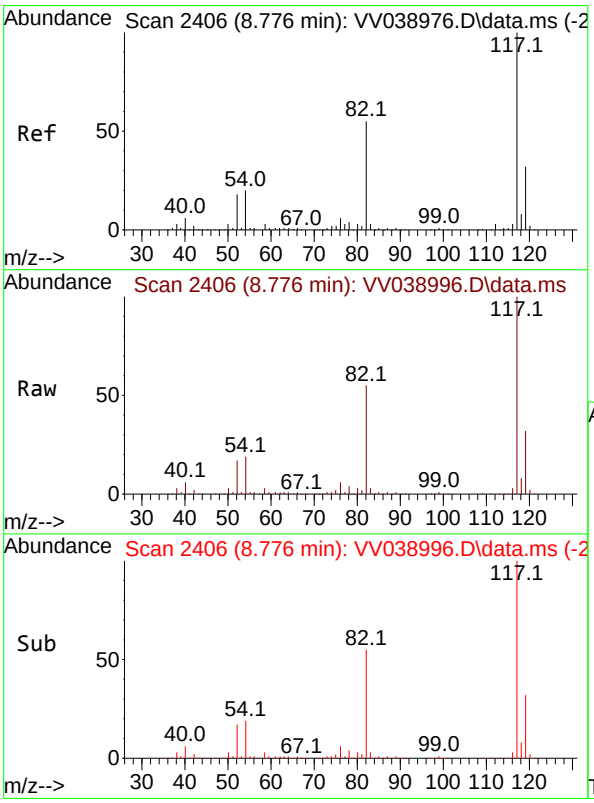
#62
4-Bromofluorobenzene
Concen: 41.699 ug/l
RT: 10.001 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV038996.D
Acq: 21 Aug 2025 21:06

Instrument :
MSVOA_V
ClientSampleId :
FB-01-082025

Tgt Ion: 95 Resp: 432441

Ion	Ratio	Lower	Upper
95	100		
174	78.3	0.0	154.4
176	75.3	0.0	148.6

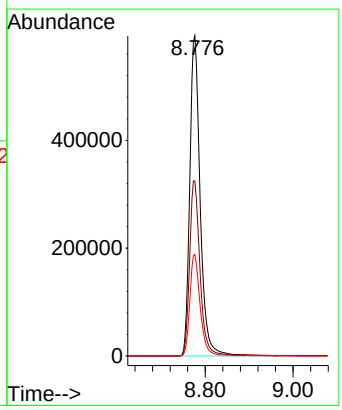


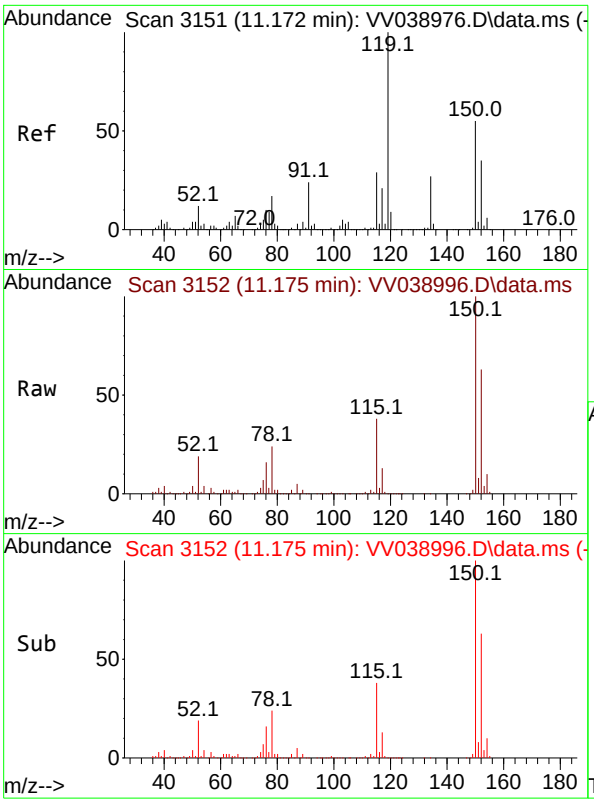


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.000 min
Lab File: VV038996.D
Acq: 21 Aug 2025 21:06

Tgt Ion:117 Resp: 978319

Ion	Ratio	Lower	Upper
117	100		
82	54.7	44.4	66.6
119	31.8	26.0	39.0



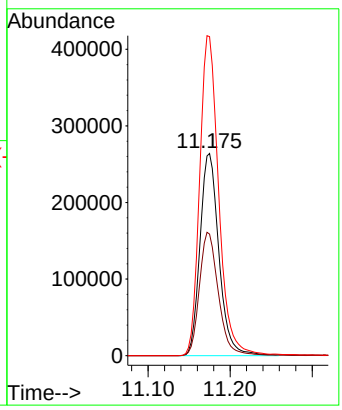


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.175 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV038996.D
Acq: 21 Aug 2025 21:06

Instrument :
MSVOA_V
ClientSampleId :
FB-01-082025

Tgt Ion:152 Resp: 424569

Ion	Ratio	Lower	Upper
152	100		
115	61.0	42.5	127.5
150	158.5	0.0	344.8



Sample Results: **VV038996.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038996.D
Acq On : 21 Aug 2025 21:06
Operator : SY/MD
Sample : Q2924-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
FB-01-082025

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_V\Method\82V082125W.M
Title : SW846 8260

Signal : TIC: VV038996.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.121	328	336	360	rVB	42192	94900	2.87%	0.535%
2	4.503	1062	1077	1095	rBV	451683	1182906	35.75%	6.670%
3	4.600	1096	1107	1148	rVB	668005	1835241	55.47%	10.348%
4	4.940	1197	1213	1246	rBV2	486956	1205200	36.43%	6.796%
5	5.532	1383	1397	1438	rBV	1086936	2509954	75.86%	14.153%
6	7.236	1916	1927	1962	rBV	1820093	3308527	100.00%	18.655%
7	8.776	2393	2406	2443	rBV	1740317	2911983	88.01%	16.419%
8	10.001	2776	2787	2823	rBV	1290311	2124074	64.20%	11.977%
9	11.172	3141	3151	3176	rBV	1581888	2562210	77.44%	14.447%

Sum of corrected areas: 17734995

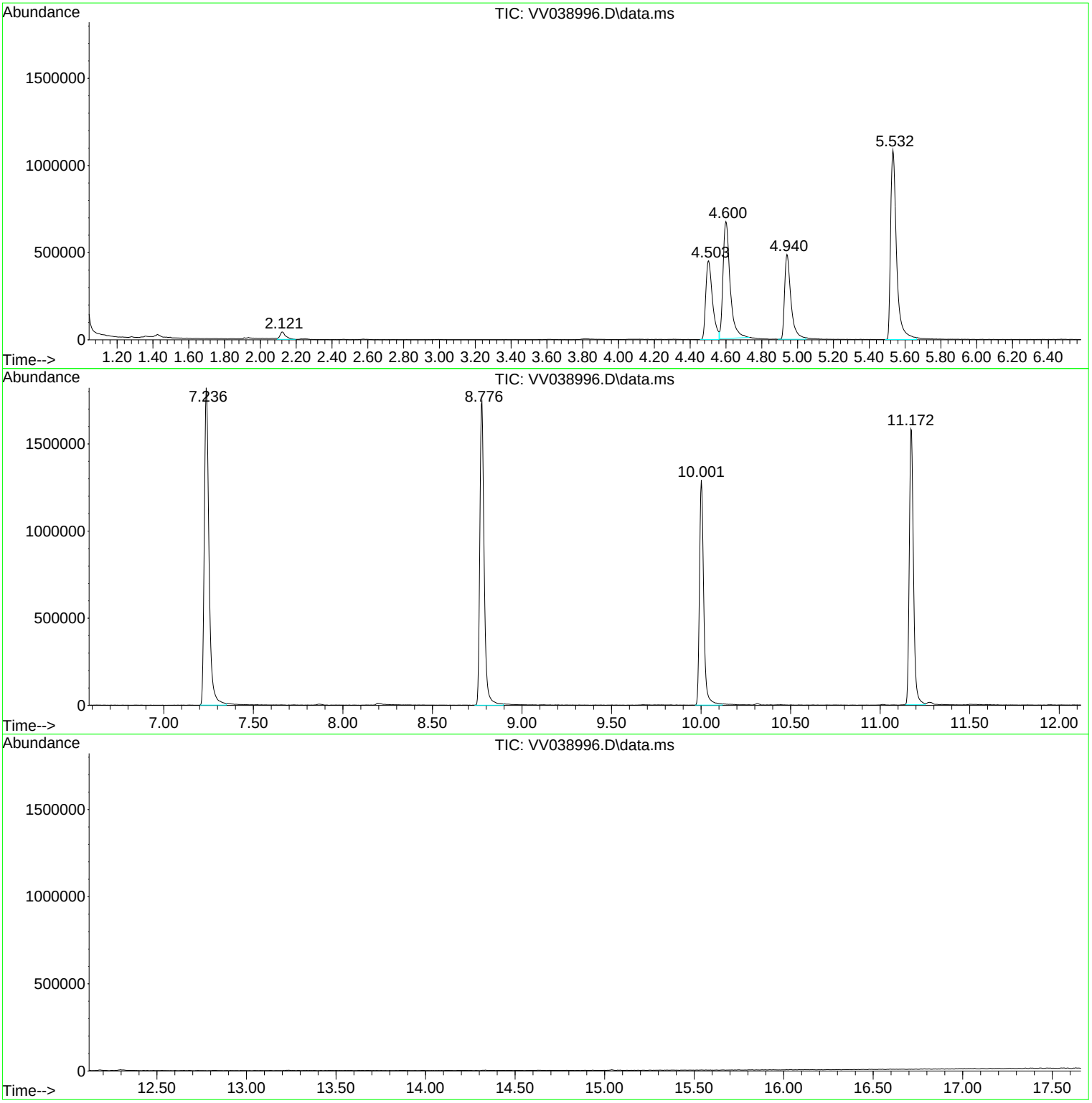
Sample Results: **VV038996.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038996.D
Acq On : 21 Aug 2025 21:06
Operator : SY/MD
Sample : Q2924-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
FB-01-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VV038996.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038996.D
Acq On : 21 Aug 2025 21:06
Operator : SY/MD
Sample : Q2924-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
FB-01-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.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_V\DATA\VV082125\
Data File : VV038996.D
Acq On : 21 Aug 2025 21:06
Operator : SY/MD
Sample : Q2924-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
FB-01-082025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.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: **VV038995.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/15/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	TB	SDG No.:	Q2924
Lab Sample ID:	Q2924-12	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV038995.D	1	08/21/25 20:45	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.00	U	0.22	5.00	ug/L
74-87-3	Chloromethane	5.00	U	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	5.00	U	0.26	5.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	5.00	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	5.00	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	5.00	U	0.23	5.00	ug/L
67-64-1	Acetone	25.0	U	1.50	25.0	ug/L
75-15-0	Carbon Disulfide	5.00	U	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	5.00	U	0.16	5.00	ug/L
79-20-9	Methyl Acetate	5.00	U	0.27	5.00	ug/L
75-09-2	Methylene Chloride	5.00	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	5.00	U	0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	5.00	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.50	5.00	ug/L
78-93-3	2-Butanone	25.0	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	5.00	U	0.19	5.00	ug/L
74-97-5	Bromochloromethane	5.00	U	0.22	5.00	ug/L
67-66-3	Chloroform	5.00	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	5.00	U	0.16	5.00	ug/L
71-43-2	Benzene	5.00	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	5.00	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	5.00	U	0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	5.00	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	5.00	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	U	0.68	25.0	ug/L
108-88-3	Toluene	5.00	U	0.14	5.00	ug/L

Raw Data: **VV038995.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/15/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	TB	SDG No.:	Q2924
Lab Sample ID:	Q2924-12	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV038995.D	1	08/21/25 20:45	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	5.00	U	0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	U	0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	5.00	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	25.0	U	0.89	25.0	ug/L
124-48-1	Dibromochloromethane	5.00	U	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	5.00	U	0.15	5.00	ug/L
127-18-4	Tetrachloroethene	5.00	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	5.00	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	5.00	U	0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	10.0	U	0.24	10.0	ug/L
95-47-6	o-Xylene	5.00	U	0.12	5.00	ug/L
100-42-5	Styrene	5.00	U	0.15	5.00	ug/L
75-25-2	Bromoform	5.00	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	5.00	U	0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	U	0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.9		74 - 125	106%	SPK: 50
1868-53-7	Dibromofluoromethane	47.1		75 - 124	94%	SPK: 50
2037-26-5	Toluene-d8	45.1		86 - 113	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.6		77 - 121	81%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	588000	4.6			
540-36-3	1,4-Difluorobenzene	1060000	5.532			
3114-55-4	Chlorobenzene-d5	950000	8.776			
3855-82-1	1,4-Dichlorobenzene-d4	416000	11.175			

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

Report of Analysis

Client:	AECOM	Date Collected:	08/15/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	TB	SDG No.:	Q2924
Lab Sample ID:	Q2924-12	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV038995.D	1	08/21/25 20:45	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **VV038995.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038995.D
Acq On : 21 Aug 2025 20:45
Operator : SY/MD
Sample : Q2924-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
TB

Quant Time: Aug 22 04:38:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

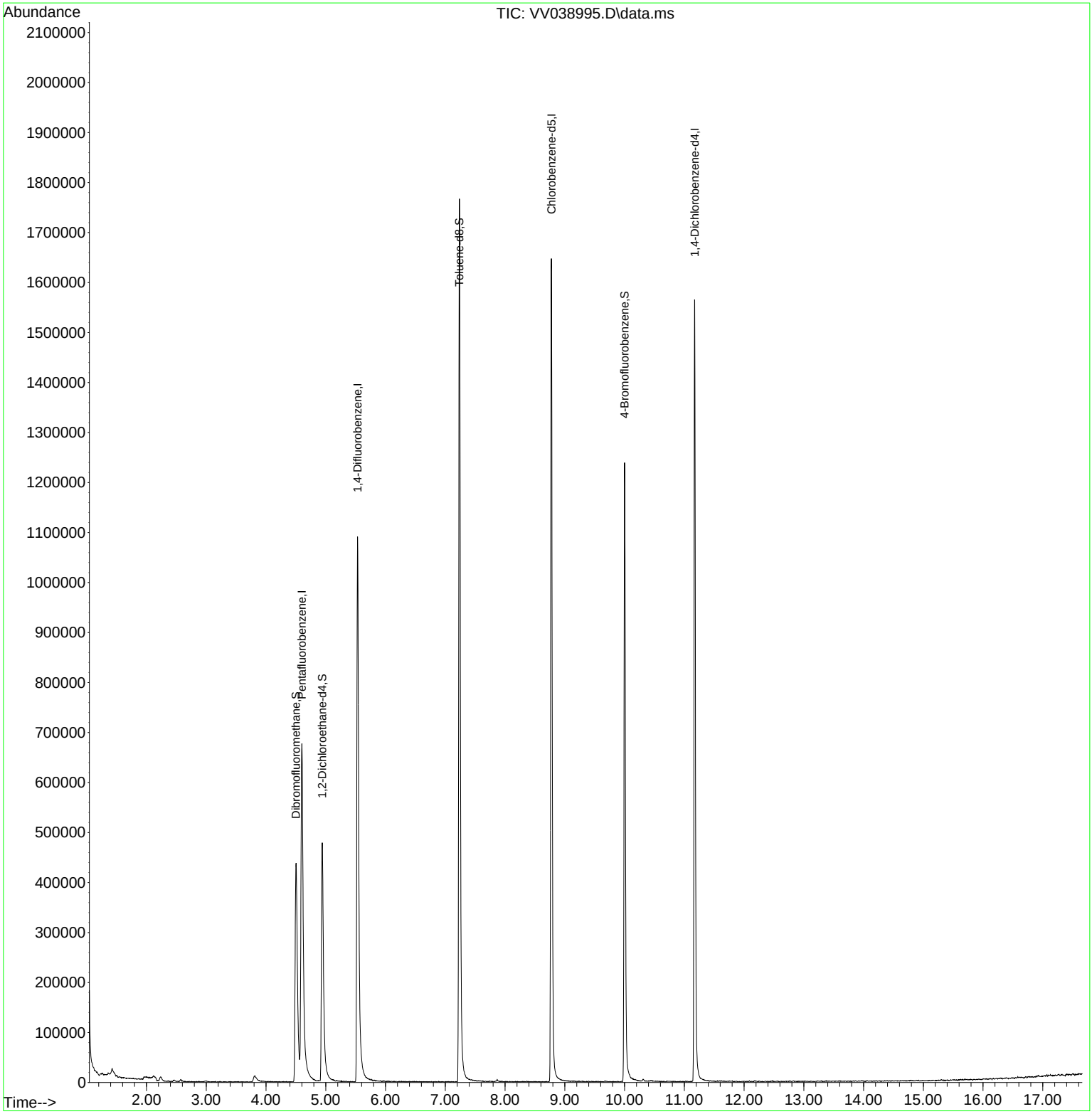
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	587684	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1058155	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	949705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	415869	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	436385	52.920	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 105.840%			
35) Dibromofluoromethane	4.503	113	373543	47.072	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 94.140%			
50) Toluene-d8	7.236	98	1247446	45.080	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 90.160%			
62) 4-Bromofluorobenzene	10.001	95	411406	40.640	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 81.280%#			
Target Compounds						Qvalue

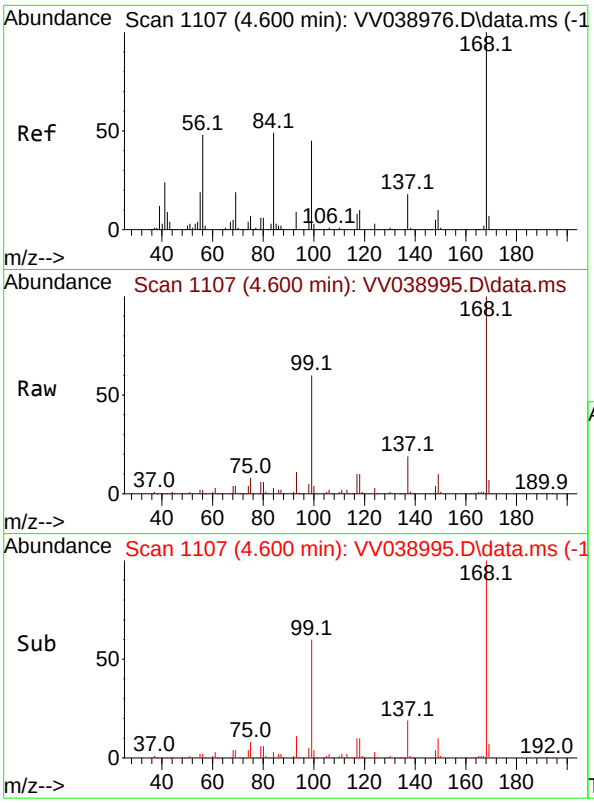
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038995.D
Acq On : 21 Aug 2025 20:45
Operator : SY/MD
Sample : Q2924-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
TB

Quant Time: Aug 22 04:38:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration



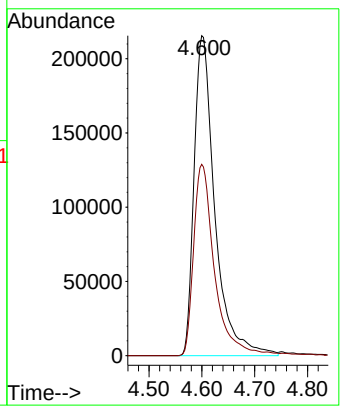


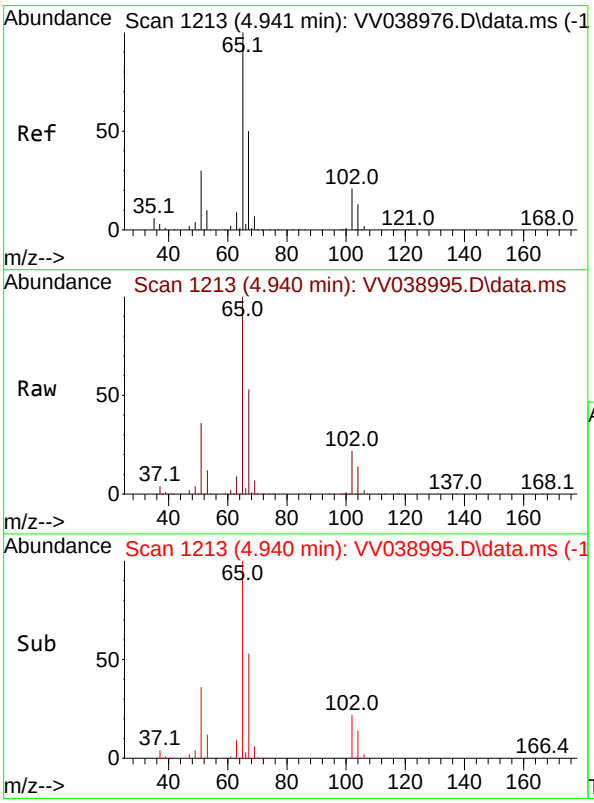
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV038995.D
Acq: 21 Aug 2025 20:45

Instrument :
MSVOA_V
ClientSampleId :
TB

Tgt Ion:168 Resp: 587684

Ion	Ratio	Lower	Upper
168	100		
99	59.8	47.0	70.6

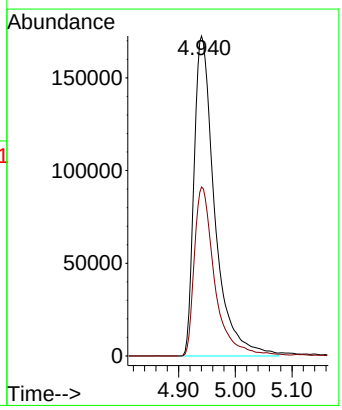


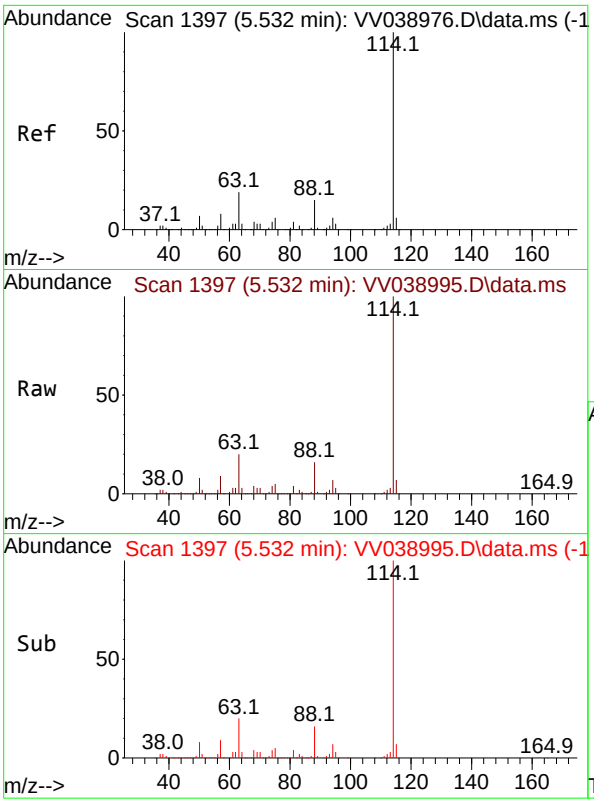


#33
1,2-Dichloroethane-d4
Concen: 52.920 ug/l
RT: 4.940 min Scan# 1213
Delta R.T. -0.000 min
Lab File: VV038995.D
Acq: 21 Aug 2025 20:45

Tgt Ion: 65 Resp: 436385

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	100.4



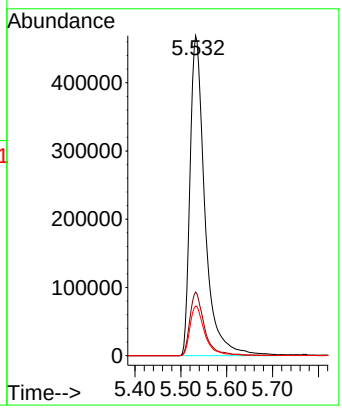


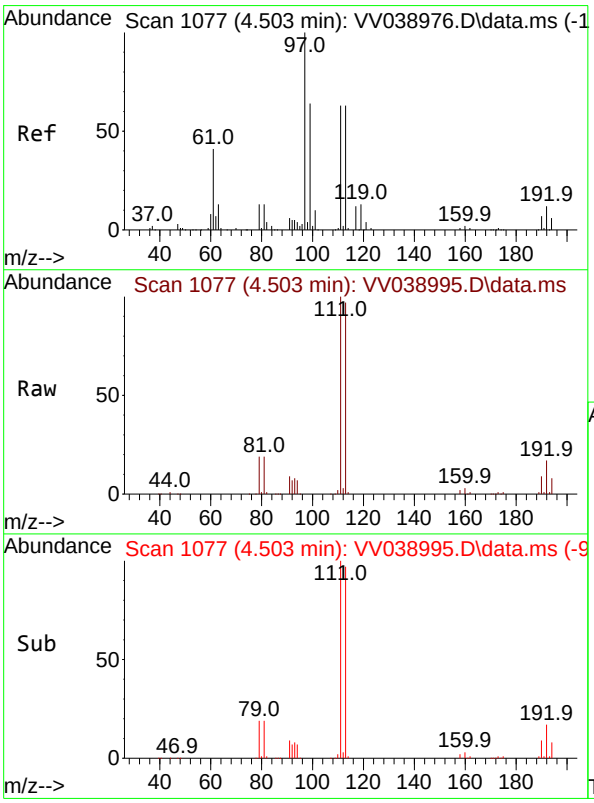
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV038995.D
Acq: 21 Aug 2025 20:45

Instrument :
MSVOA_V
ClientSampleId :
TB

Tgt Ion:114 Resp: 1058155

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	37.4
88	15.6	0.0	30.4

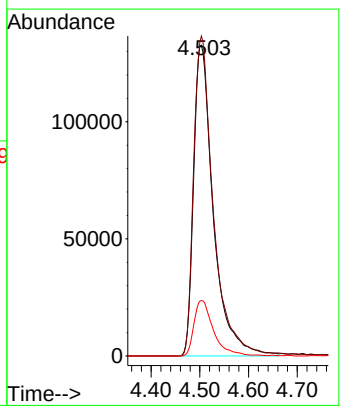


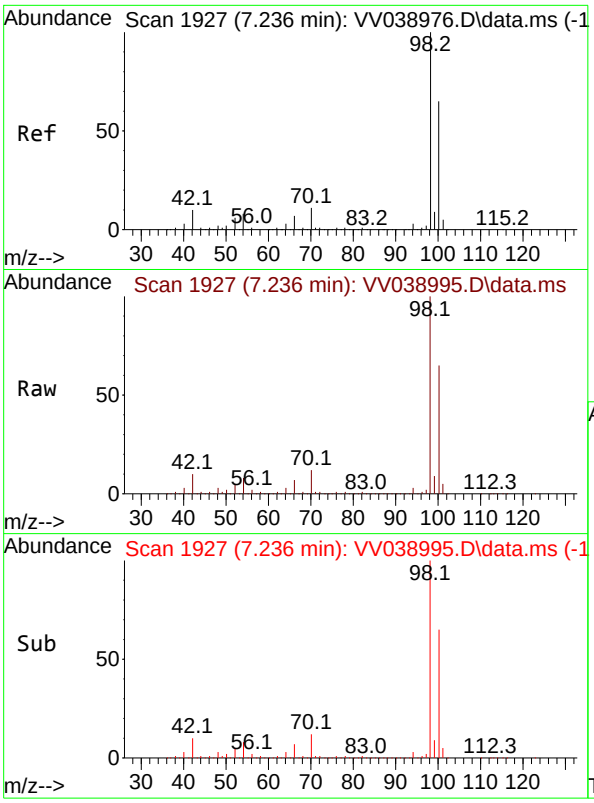


#35
Dibromofluoromethane
Concen: 47.072 ug/l
RT: 4.503 min Scan# 1077
Delta R.T. -0.000 min
Lab File: VV038995.D
Acq: 21 Aug 2025 20:45

Tgt Ion:113 Resp: 373543

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.3	121.9
192	17.6	15.4	23.0



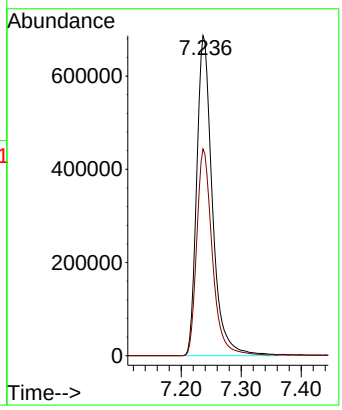


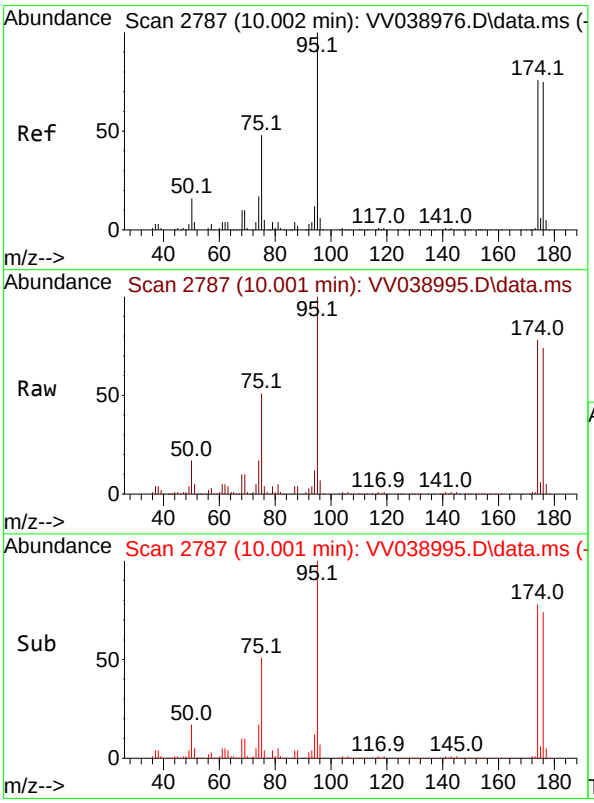
#50
Toluene-d8
Concen: 45.080 ug/l
RT: 7.236 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV038995.D
Acq: 21 Aug 2025 20:45

Instrument :
MSVOA_V
ClientSampleId :
TB

Tgt Ion: 98 Resp: 1247446

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.2	78.2

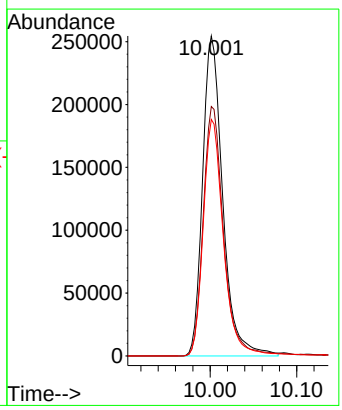


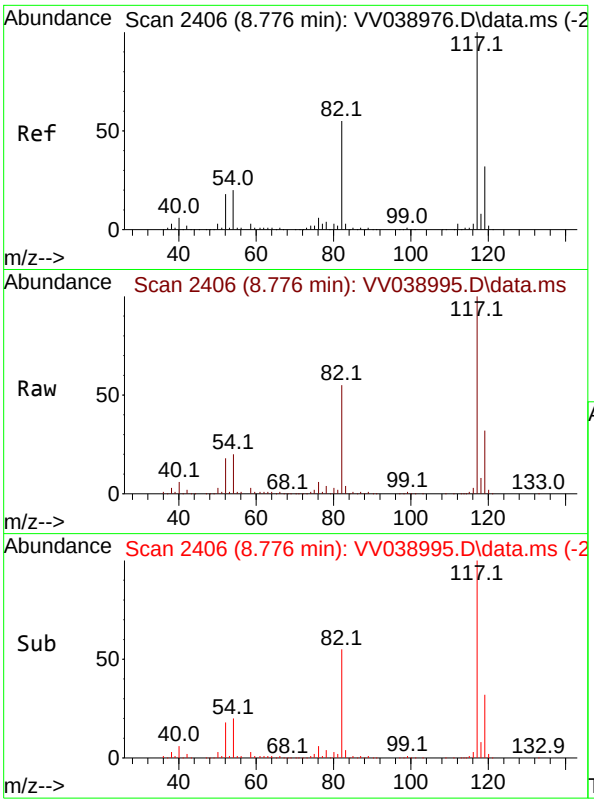


#62
4-Bromofluorobenzene
Concen: 40.640 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. -0.000 min
Lab File: VV038995.D
Acq: 21 Aug 2025 20:45

Tgt Ion: 95 Resp: 411406

Ion	Ratio	Lower	Upper
95	100		
174	79.0	0.0	154.4
176	74.8	0.0	148.6



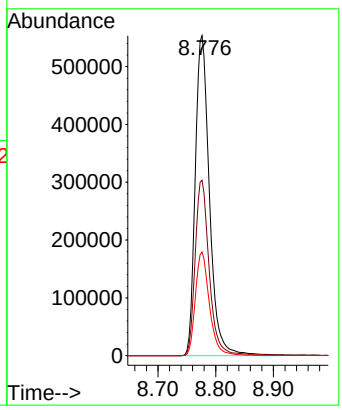


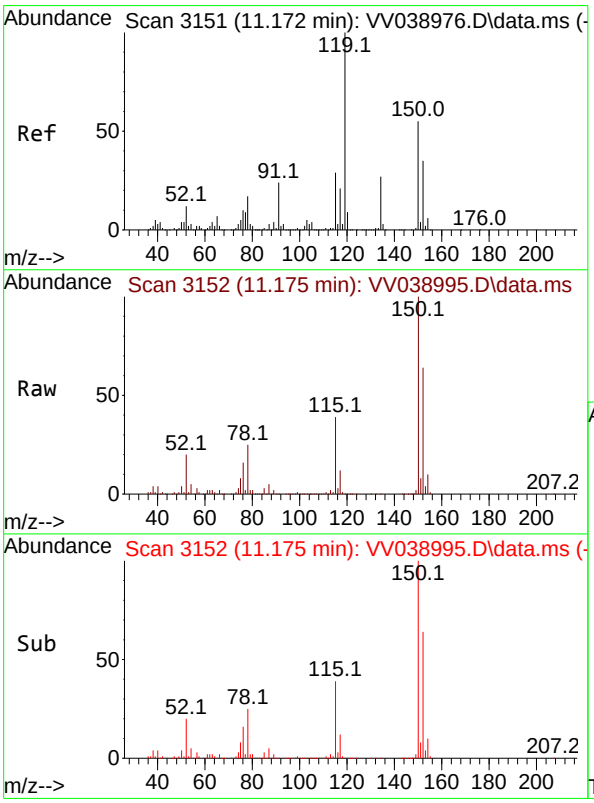
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 24
Delta R.T. 0.000 min
Lab File: VV038995.D
Acq: 21 Aug 2025 20:45

Instrument :
MSVOA_V
ClientSampleId :
TB

Tgt Ion:117 Resp: 949705

Ion	Ratio	Lower	Upper
117	100		
82	54.9	44.4	66.6
119	32.4	26.0	39.0

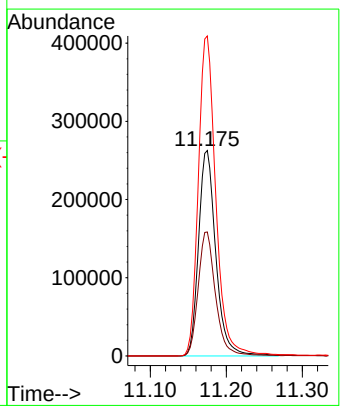




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.175 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VV038995.D
Acq: 21 Aug 2025 20:45

Tgt Ion:152 Resp: 415869

Ion	Ratio	Lower	Upper
152	100		
115	60.6	42.5	127.5
150	157.9	0.0	344.8



Sample Results: **VV038995.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038995.D
Acq On : 21 Aug 2025 20:45
Operator : SY/MD
Sample : Q2924-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
TB

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_V\Method\82V082125W.M
Title : SW846 8260

Signal : TIC: VV038995.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.503	1059	1077	1095	rBV	437627	1158188	35.54%	6.715%
2	4.600	1096	1107	1145	rVB	665016	1785812	54.80%	10.353%
3	4.940	1201	1213	1262	rBV	476318	1196247	36.71%	6.935%
4	5.532	1385	1397	1441	rBV	1090040	2463468	75.59%	14.282%
5	7.236	1916	1927	1966	rBV	1766005	3259068	100.00%	18.895%
6	8.776	2391	2406	2442	rBV	1646823	2835837	87.01%	16.441%
7	10.001	2775	2787	2820	rBV	1238552	2035670	62.46%	11.802%
8	11.172	3137	3151	3182	rBV	1564433	2514354	77.15%	14.577%

Sum of corrected areas: 17248644

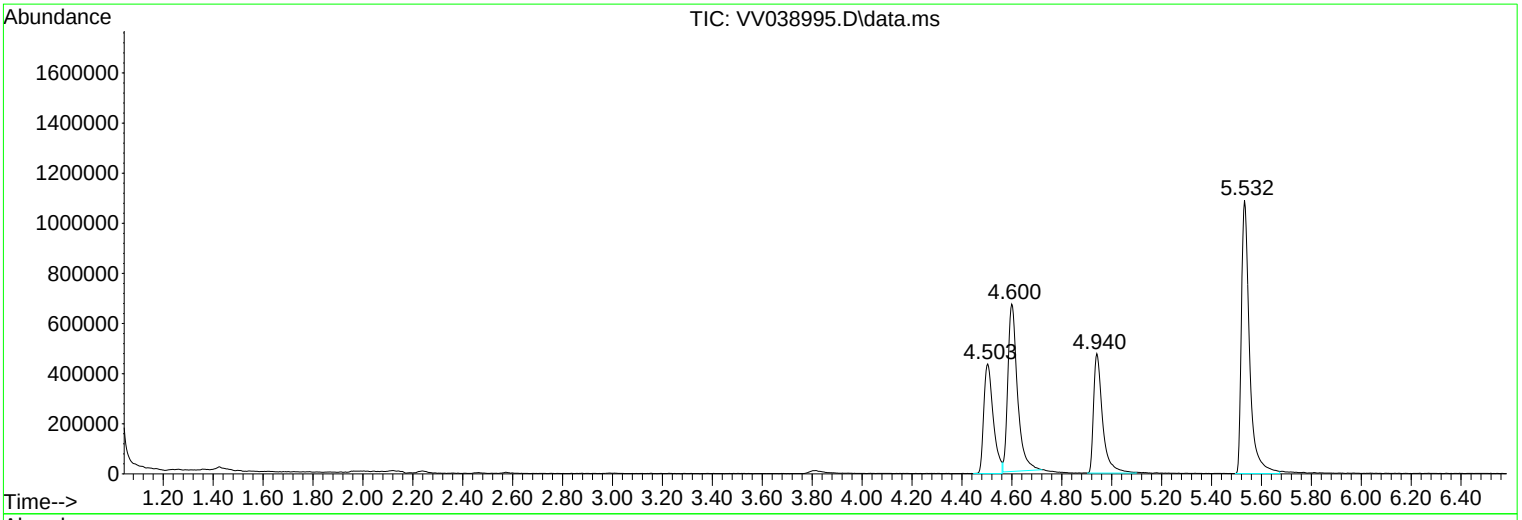
Sample Results: **VV038995.D**

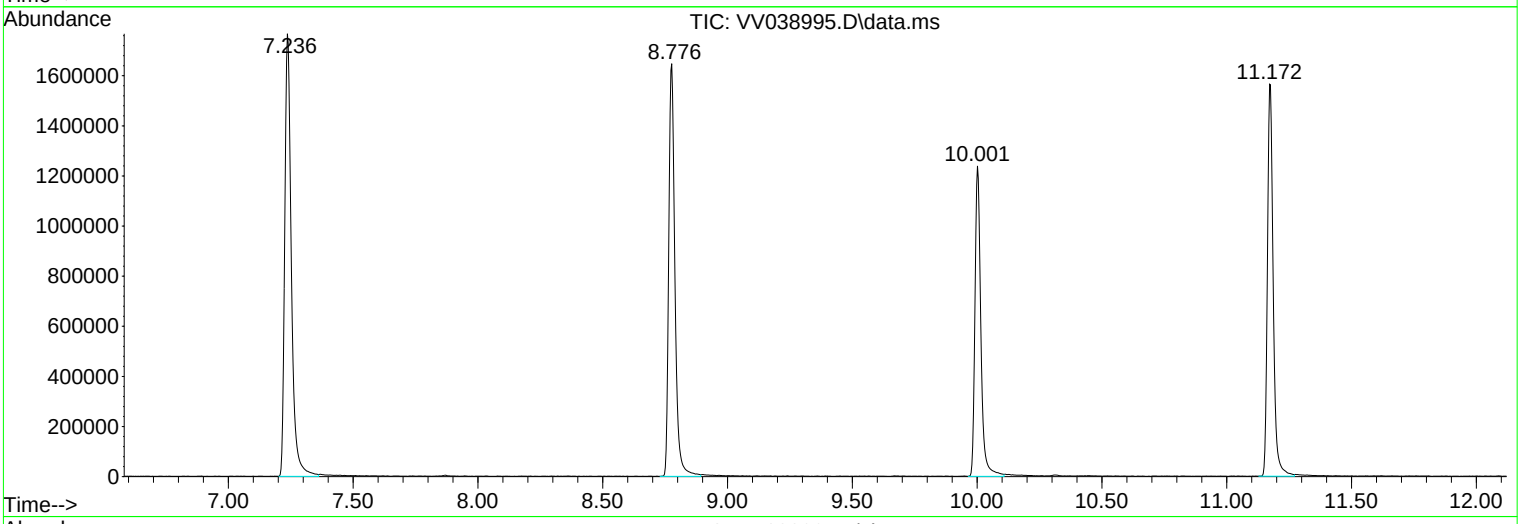
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038995.D
Acq On : 21 Aug 2025 20:45
Operator : SY/MD
Sample : Q2924-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

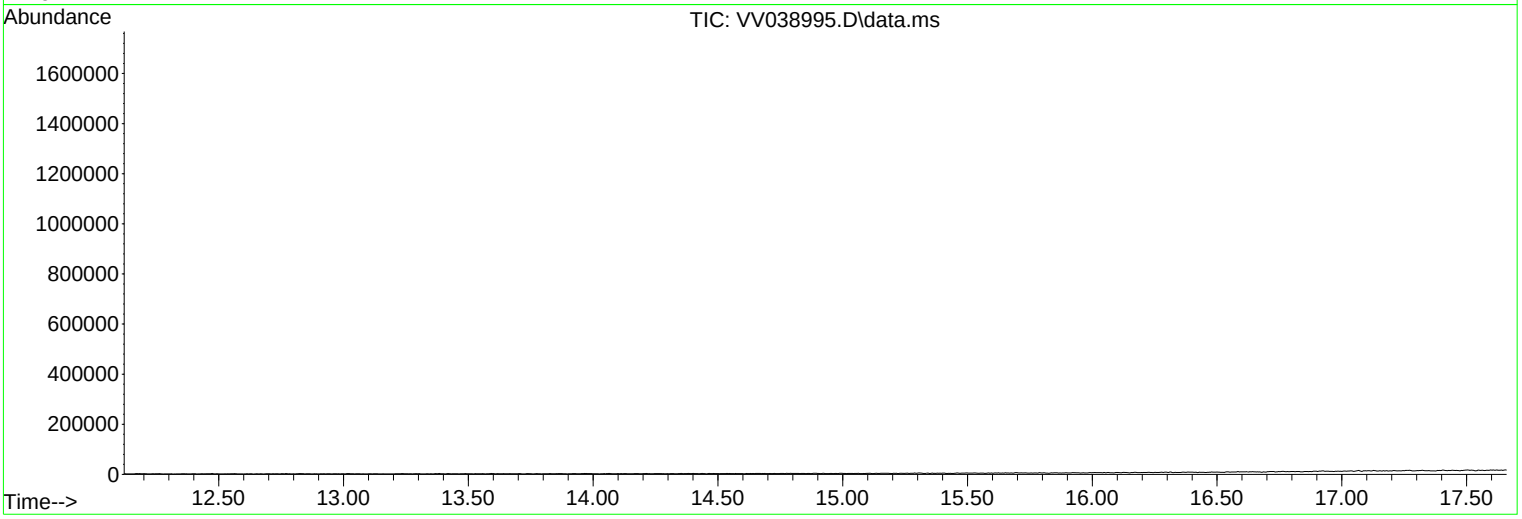
Instrument :
MSVOA_V
ClientSampleId :
TB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VV038995.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038995.D
Acq On : 21 Aug 2025 20:45
Operator : SY/MD
Sample : Q2924-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
TB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.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_V\DATA\VV082125\
Data File : VV038995.D
Acq On : 21 Aug 2025 20:45
Operator : SY/MD
Sample : Q2924-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
TB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.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: AECO02

Lab Code: ACE SDG No.: Q2924

Instrument ID: MSVOA_V Calibration Date(s): 08/21/2025 08/21/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:05 11:45

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

LAB FILE ID: RRF001 = VV038973.D RRF005 = VV038974.D RRF020 = VV038975.D
RRF050 = VV038976.D RRF100 = VV038977.D RRF010 = VV038979.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF010	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.952	0.756	0.675	0.722	0.633	0.747	0.747	14.7
Chloromethane	0.878	0.853	0.712	0.768	0.654	0.769	0.772	10.9
Vinyl Chloride	0.985	0.849	0.688	0.823	0.714	0.829	0.815	13.1
Bromomethane		0.459	0.389	0.448	0.423	0.482	0.440	8.1
Chloroethane	0.346	0.559	0.365	0.414	0.359	0.448	0.415	19.3
Trichlorofluoromethane	1.342	1.178	1.026	1.088	0.961	1.102	1.116	11.9
1,1,2-Trichlorotrifluoroethane	0.823	0.628	0.558	0.554	0.513	0.619	0.616	17.9
1,1-Dichloroethene	0.675	0.593	0.519	0.536	0.495	0.586	0.567	11.4
Acetone	0.390	0.264	0.261	0.249	0.242	0.284	0.282	19.5
Carbon Disulfide	1.825	1.631	1.475	1.476	1.354	1.709	1.578	11.1
Methyl tert-butyl Ether	1.629	1.485	1.792	1.715	1.614	1.832	1.678	7.6
Methyl Acetate	0.610	0.589	0.638	0.560	0.554	0.630	0.597	5.9
Methylene Chloride	0.805	0.659	0.694	0.581	0.519	0.668	0.654	15
trans-1,2-Dichloroethene	0.577	0.577	0.640	0.573	0.529	0.651	0.591	7.8
1,1-Dichloroethane	1.293	1.028	1.122	0.940	0.941	1.288	1.102	14.6
Cyclohexane		1.084	0.955	0.808	0.961	1.109	0.983	12.2
2-Butanone	0.285	0.336	0.397	0.332	0.406	0.442	0.366	15.9
Carbon Tetrachloride	0.725	0.726	0.608	0.616	0.577	0.660	0.652	9.7
cis-1,2-Dichloroethene	0.725	0.710	0.686	0.640	0.712	0.806	0.713	7.6
Bromochloromethane	0.463	0.419	0.283	0.221	0.266	0.271	0.320	30.2
Chloroform	1.373	1.345	1.244	1.096	1.150	1.347	1.259	9.2
1,1,1-Trichloroethane	1.408	1.248	1.107	1.038	1.051	1.246	1.183	12.1
Methylcyclohexane	0.574	0.590	0.612	0.632	0.677	0.649	0.622	6.1
Benzene	1.384	1.558	1.602	1.430	1.510	1.667	1.525	7
1,2-Dichloroethane	0.602	0.597	0.546	0.514	0.506	0.580	0.558	7.5
Trichloroethene	0.444	0.433	0.392	0.391	0.389	0.433	0.414	6.2
1,2-Dichloropropane	0.341	0.335	0.397	0.330	0.366	0.425	0.366	10.5
Bromodichloromethane	0.686	0.635	0.616	0.584	0.571	0.657	0.625	7
4-Methyl-2-Pentanone	0.327	0.440	0.525	0.505	0.514	0.549	0.477	17.1
Toluene	0.791	0.916	1.009	1.070	0.984	1.026	0.966	10.3

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

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q2924

Instrument ID: MSVOA_V Calibration Date(s): 08/21/2025 08/21/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:05 11:45

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

LAB FILE ID: RRF001 = VV038973.D RRF005 = VV038974.D RRF020 = VV038975.D
RRF050 = VV038976.D RRF100 = VV038977.D RRF010 = VV038979.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF010	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.539	0.509	0.567	0.696	0.602	0.591	0.584	11.1
cis-1,3-Dichloropropene	0.502	0.572	0.634	0.628	0.635	0.660	0.605	9.6
1,1,2-Trichloroethane	0.404	0.432	0.417	0.466	0.381	0.427	0.421	6.8
2-Hexanone	0.208	0.302	0.385	0.465	0.384	0.388	0.355	24.9
Dibromochloromethane	0.498	0.522	0.495	0.559	0.462	0.516	0.509	6.4
1,2-Dibromoethane	0.367	0.437	0.442	0.498	0.417	0.459	0.437	10
Tetrachloroethene	0.359	0.382	0.368	0.364	0.362	0.397	0.372	4
Chlorobenzene	1.265	1.206	1.166	1.163	1.142	1.291	1.206	5
Ethyl Benzene	1.654	1.659	1.848	1.952	1.998	1.931	1.840	8.2
m/p-Xylenes	0.574	0.615	0.762	0.784	0.785	0.769	0.715	13.2
o-Xylene	0.529	0.572	0.669	0.712	0.740	0.686	0.651	12.7
Styrene	0.853	0.911	1.210	1.291	1.298	1.143	1.118	17.2
Bromoform	0.369	0.360	0.351	0.350	0.344	0.365	0.357	2.7
Isopropylbenzene	3.332	2.780	3.605	3.326	3.515	3.573	3.355	9.1
1,1,2,2-Tetrachloroethane	1.745	1.323	1.324	1.111	1.122	1.368	1.332	17.3
1,3-Dichlorobenzene	1.735	1.691	1.660	1.623	1.663	1.841	1.702	4.6
1,4-Dichlorobenzene	2.000	1.803	1.733	1.666	1.683	2.011	1.816	8.5
1,2-Dichlorobenzene	1.685	1.559	1.707	1.521	1.564	1.702	1.623	5.2
1,2-Dibromo-3-Chloropropane	0.287	0.261	0.274	0.236	0.255	0.242	0.259	7.4
1,2,4-Trichlorobenzene	0.938	0.865	1.004	0.973	1.065	0.965	0.969	6.9
1,2,3-Trichlorobenzene	0.878	0.847	1.059	0.983	1.064	1.028	0.977	9.6
1,2-Dichloroethane-d4		0.815	0.696	0.643	0.647	0.707	0.702	9.9
Dibromofluoromethane		0.420	0.386	0.346	0.347	0.377	0.375	8.2
Toluene-d8		1.355	1.346	1.338	1.246	1.253	1.308	4.1
4-Bromofluorobenzene		0.425	0.472	0.559	0.477	0.459	0.478	10.3

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

Response Factor Report MSVOA_V

Method Path : Z:\voasrv\HPCHEM1\MSVOA_V\Method\
Method File : 82V082125W.M
Title : SW846 8260
Last Update : Fri Aug 22 04:15:04 2025
Response Via : Initial Calibration

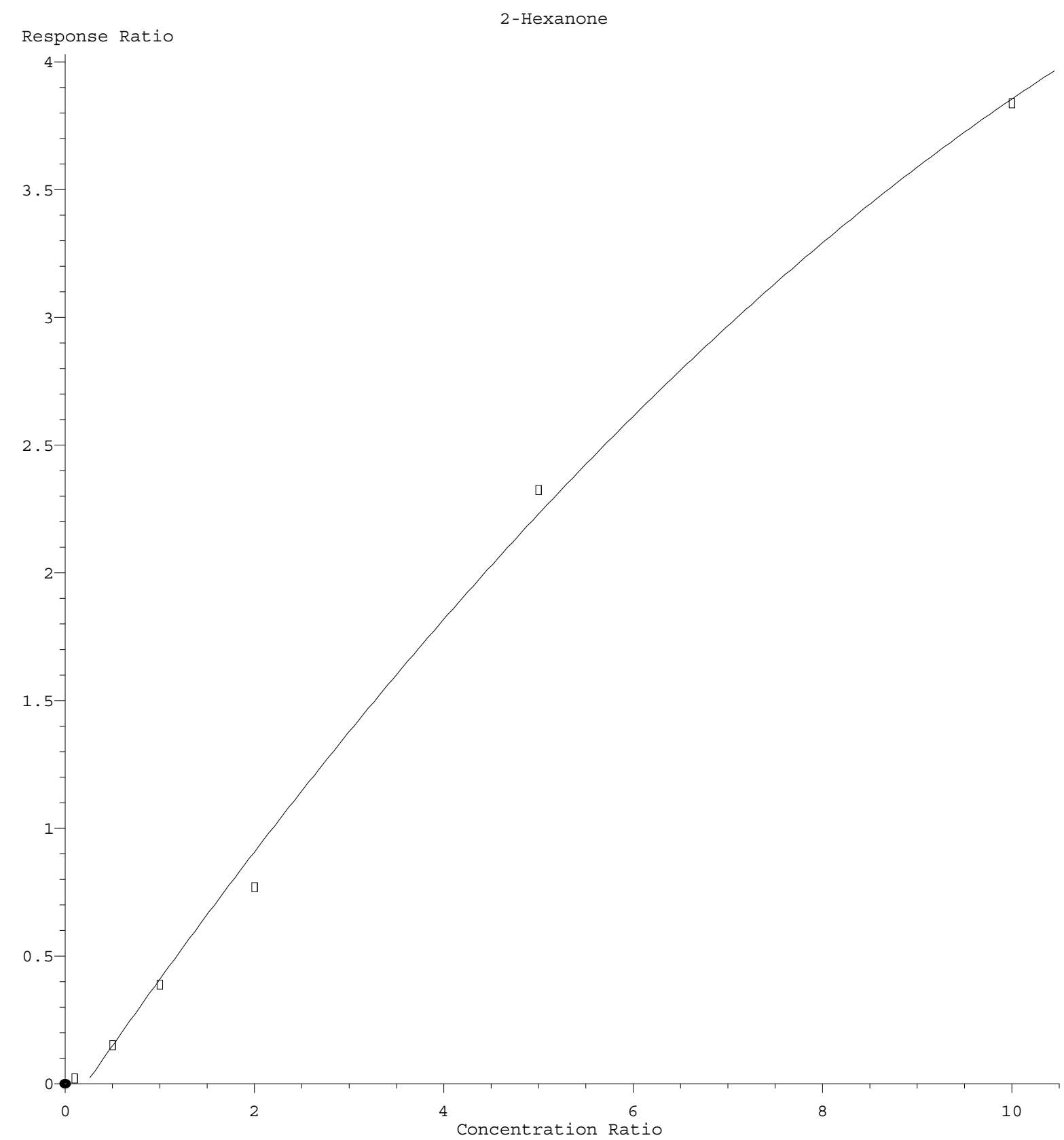
Calibration Files
1 =VV038973.D 5 =VV038974.D 10 =VV038979.D 20 =VV038975.D 50 =VV038976.D 100 =VV038977.D

		Compound	1	5	10	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.952	0.756	0.747	0.675	0.722	0.633	0.747	14.74
3)	P	Chloromethane	0.878	0.853	0.769	0.712	0.768	0.654	0.772	10.90
4)	C	Vinyl Chloride	0.985	0.849	0.829	0.688	0.823	0.714	0.815	13.06#
5)	T	Bromomethane		0.459	0.482	0.389	0.448	0.423	0.440	8.08
6)	T	Chloroethane	0.346	0.559	0.448	0.365	0.414	0.359	0.415	19.34
7)	T	Trichlorofluor...	1.342	1.178	1.102	1.026	1.088	0.961	1.116	11.89
8)	T	Diethyl Ether	0.448	0.347	0.335	0.308	0.319	0.302	0.343	15.81
9)	T	1,1,2-Trichlor...	0.823	0.628	0.619	0.558	0.554	0.513	0.616	17.89
10)	T	Methyl Iodide		0.776	0.810	0.746	0.783	0.717	0.766	4.66
11)	T	Tert butyl alc...		0.083	0.109	0.102	0.094	0.086	0.095	11.48
12)	CM	1,1-Dichloroet...	0.675	0.593	0.586	0.519	0.536	0.495	0.567	11.44#
13)	T	Acrolein		0.080	0.029	0.034	0.029	0.030	0.041	54.81
14)	T	Allyl chloride	0.871	0.774	0.797	0.720	0.710	0.675	0.758	9.36
15)	T	Acrylonitrile	0.307	0.242	0.312	0.328	0.273	0.259	0.287	11.79
16)	T	Acetone	0.390	0.264	0.284	0.261	0.249	0.242	0.282	19.48
17)	T	Carbon Disulfide	1.825	1.631	1.709	1.475	1.476	1.354	1.578	11.06
18)	T	Methyl Acetate	0.610	0.589	0.630	0.638	0.560	0.554	0.597	5.92
19)	T	Methyl tert-bu...	1.629	1.485	1.832	1.792	1.715	1.614	1.678	7.64
20)	T	Methylene Chlo...	0.805	0.659	0.668	0.694	0.581	0.519	0.654	14.99
21)	T	trans-1,2-Dich...	0.577	0.577	0.651	0.640	0.573	0.529	0.591	7.78
22)	T	Diisopropyl ether	1.738	1.228	2.001	1.766	1.444	1.804	1.664	16.74
23)	T	Vinyl Acetate	1.218	1.051	1.583	1.442	1.227	1.487	1.335	15.06
24)	P	1,1-Dichloroet...	1.293	1.028	1.288	1.122	0.940	0.941	1.102	14.58
25)	T	2-Butanone	0.285	0.336	0.442	0.397	0.332	0.406	0.366	15.90
26)	T	2,2-Dichloropr...	1.236	1.047	1.118	1.022	0.932	0.988	1.057	10.13
27)	T	cis-1,2-Dichlo...	0.725	0.710	0.806	0.686	0.640	0.712	0.713	7.64
28)	T	Bromochloromet...	0.463	0.419	0.271	0.283	0.221	0.266	0.320	30.22
29)	T	Tetrahydrofuran	0.229	0.220	0.291	0.255	0.209	0.263	0.245	12.53
30)	C	Chloroform	1.373	1.345	1.347	1.244	1.096	1.150	1.259	9.17#
31)	T	Cyclohexane		1.084	1.109	0.955	0.808	0.961	0.983	12.24
32)	T	1,1,1-Trichlor...	1.408	1.248	1.246	1.107	1.038	1.051	1.183	12.14
33)	S	1,2-Dichloroet...		0.815	0.707	0.696	0.643	0.647	0.702	9.90
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.420	0.377	0.386	0.346	0.347	0.375	8.19
36)	T	1,1-Dichloropr...	0.541	0.421	0.532	0.494	0.453	0.481	0.487	9.42
37)	T	Ethyl Acetate	0.429	0.543	0.520	0.476	0.391	0.495	0.476	11.95
38)	T	Carbon Tetrach...	0.725	0.726	0.660	0.608	0.616	0.577	0.652	9.65
39)	T	Methylcyclohexane	0.574	0.590	0.649	0.612	0.632	0.677	0.622	6.10
40)	TM	Benzene	1.383	1.558	1.667	1.602	1.430	1.510	1.525	6.97
41)	T	Methacrylonitrile	0.160	0.128	0.181	0.187	0.185	0.235	0.179	19.69
42)	TM	1,2-Dichloroet...	0.602	0.597	0.580	0.546	0.514	0.506	0.558	7.50
43)	T	Isopropyl Acetate	0.795	0.619	0.770	0.717	0.670	0.784	0.726	9.66
44)	TM	Trichloroethene	0.444	0.433	0.433	0.392	0.391	0.389	0.414	6.22
45)	C	1,2-Dichloropr...	0.341	0.335	0.425	0.397	0.330	0.366	0.366	10.50#
46)	T	Dibromomethane	0.354	0.305	0.319	0.300	0.280	0.284	0.307	8.86
47)	T	Bromodichlorom...	0.686	0.635	0.657	0.616	0.584	0.571	0.625	7.00
48)	T	Methyl methacr...	0.342	0.238	0.337	0.322	0.326	0.387	0.325	15.03
49)	T	1,4-Dioxane	0.005	0.005	0.007	0.006	0.005	0.006	0.005	12.42
50)	S	Toluene-d8		1.355	1.253	1.346	1.338	1.246	1.308	4.07
51)	T	4-Methyl-2-Pen...	0.327	0.440	0.549	0.525	0.505	0.514	0.477	17.14
52)	CM	Toluene	0.791	0.916	1.026	1.009	1.070	0.984	0.966	10.32#
53)	T	t-1,3-Dichloro...	0.539	0.509	0.591	0.567	0.696	0.602	0.584	11.06
54)	T	cis-1,3-Dichlo...	0.502	0.572	0.660	0.634	0.628	0.635	0.605	9.62
55)	T	1,1,2-Trichlor...	0.404	0.432	0.427	0.417	0.466	0.381	0.421	6.82
56)	T	Ethyl methacry...	0.283	0.394	0.512	0.507	0.664	0.602	0.494	28.00

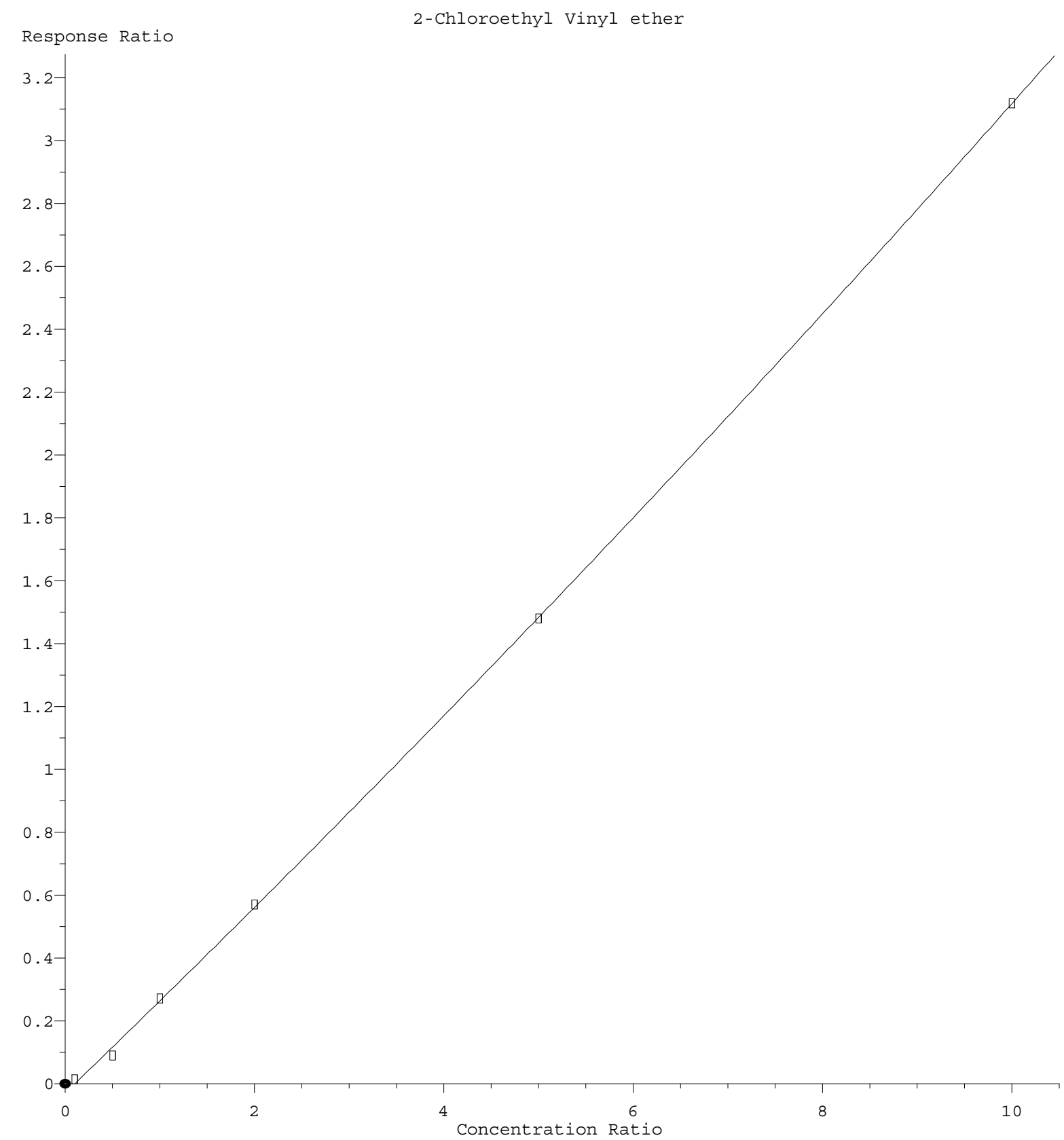
Method Path : Z:\voasrv\HPCHEM1\MSVOA_V\Method\
Method File : 82V082125W.M

57)	T	1,3-Dichloropr...	0.554	0.644	0.705	0.656	0.757	0.624	0.657	10.57
58)	T	2-Chloroethyl ...	0.142	0.180	0.271	0.285	0.296	0.312	0.248	28.14
59)	T	2-Hexanone	0.208	0.302	0.388	0.385	0.465	0.384	0.355	24.92
60)	T	Dibromochlorom...	0.498	0.522	0.516	0.495	0.559	0.462	0.509	6.38
61)	T	1,2-Dibromoethane	0.367	0.437	0.459	0.442	0.498	0.417	0.437	10.01
62)	S	4-Bromofluorob...		0.425	0.459	0.472	0.559	0.477	0.478	10.34
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.359	0.382	0.397	0.368	0.364	0.362	0.372	3.95
65)	PM	Chlorobenzene	1.265	1.206	1.291	1.166	1.163	1.142	1.206	5.01
66)	T	1,1,1,2-Tetrac...	0.435	0.447	0.463	0.426	0.420	0.407	0.433	4.63
67)	C	Ethyl Benzene	1.654	1.659	1.931	1.848	1.952	1.998	1.840	8.16#
68)	T	m/p-Xylenes	0.574	0.615	0.769	0.762	0.784	0.785	0.715	13.23
69)	T	o-Xylene	0.529	0.572	0.686	0.669	0.712	0.740	0.651	12.72
70)	T	Styrene	0.853	0.911	1.143	1.210	1.291	1.298	1.118	17.18
71)	P	Bromoform	0.369	0.360	0.365	0.351	0.350	0.344	0.357	2.68
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.332	2.780	3.573	3.605	3.326	3.515	3.355	9.12
74)	T	N-amyl acetate	1.236	1.010	1.258	1.261	1.242	1.369	1.229	9.59
75)	P	1,1,2,2-Tetrac...	1.745	1.323	1.368	1.324	1.111	1.122	1.332	17.28
76)	T	1,2,3-Trichlor...	0.956	0.908	0.990	0.957	0.850	0.903	0.927	5.42
77)	T	Bromobenzene	0.867	0.823	0.928	0.910	0.805	0.839	0.862	5.67
78)	T	n-propylbenzene	3.733	3.378	4.272	4.366	4.060	4.227	4.006	9.48
79)	T	2-Chlorotoluene	2.071	2.229	2.626	2.668	2.365	2.471	2.405	9.60
80)	T	1,3,5-Trimethy...	2.731	2.426	3.000	2.831	2.917	3.037	2.824	7.95
81)	T	trans-1,4-Dich...		0.340	0.428	0.418	0.404	0.430	0.404	9.28
82)	T	4-Chlorotoluene	2.560	2.444	3.092	2.732	2.847	2.957	2.772	8.79
83)	T	tert-Butylbenzene	2.820	2.593	2.914	2.648	2.825	3.022	2.804	5.74
84)	T	1,2,4-Trimethy...	2.539	2.184	2.888	2.712	2.878	3.012	2.702	11.18
85)	T	sec-Butylbenzene	3.617	3.205	3.874	3.572	3.720	3.889	3.646	6.91
86)	T	p-Isopropyltol...	2.854	2.661	3.354	3.088	3.170	3.296	3.071	8.69
87)	T	1,3-Dichlorobe...	1.735	1.691	1.841	1.660	1.623	1.663	1.702	4.56
88)	T	1,4-Dichlorobe...	1.999	1.803	2.011	1.733	1.666	1.683	1.816	8.50
89)	T	n-Butylbenzene	2.978	2.550	3.030	3.151	3.041	3.200	2.992	7.74
90)	T	Hexachloroethane	0.828	0.727	0.720	0.721	0.620	0.641	0.710	10.39
91)	T	1,2-Dichlorobe...	1.685	1.559	1.702	1.707	1.521	1.564	1.623	5.17
92)	T	1,2-Dibromo-3-...	0.287	0.261	0.242	0.274	0.236	0.255	0.259	7.39
93)	T	1,2,4-Trichlor...	0.938	0.865	0.965	1.004	0.973	1.065	0.969	6.89
94)	T	Hexachlorobuta...	0.593	0.477	0.507	0.520	0.444	0.456	0.499	10.82
95)	T	Naphthalene	2.756	2.407	3.002	3.131	3.340	3.702	3.057	14.76
96)	T	1,2,3-Trichlor...	0.878	0.847	1.028	1.059	0.983	1.064	0.977	9.55

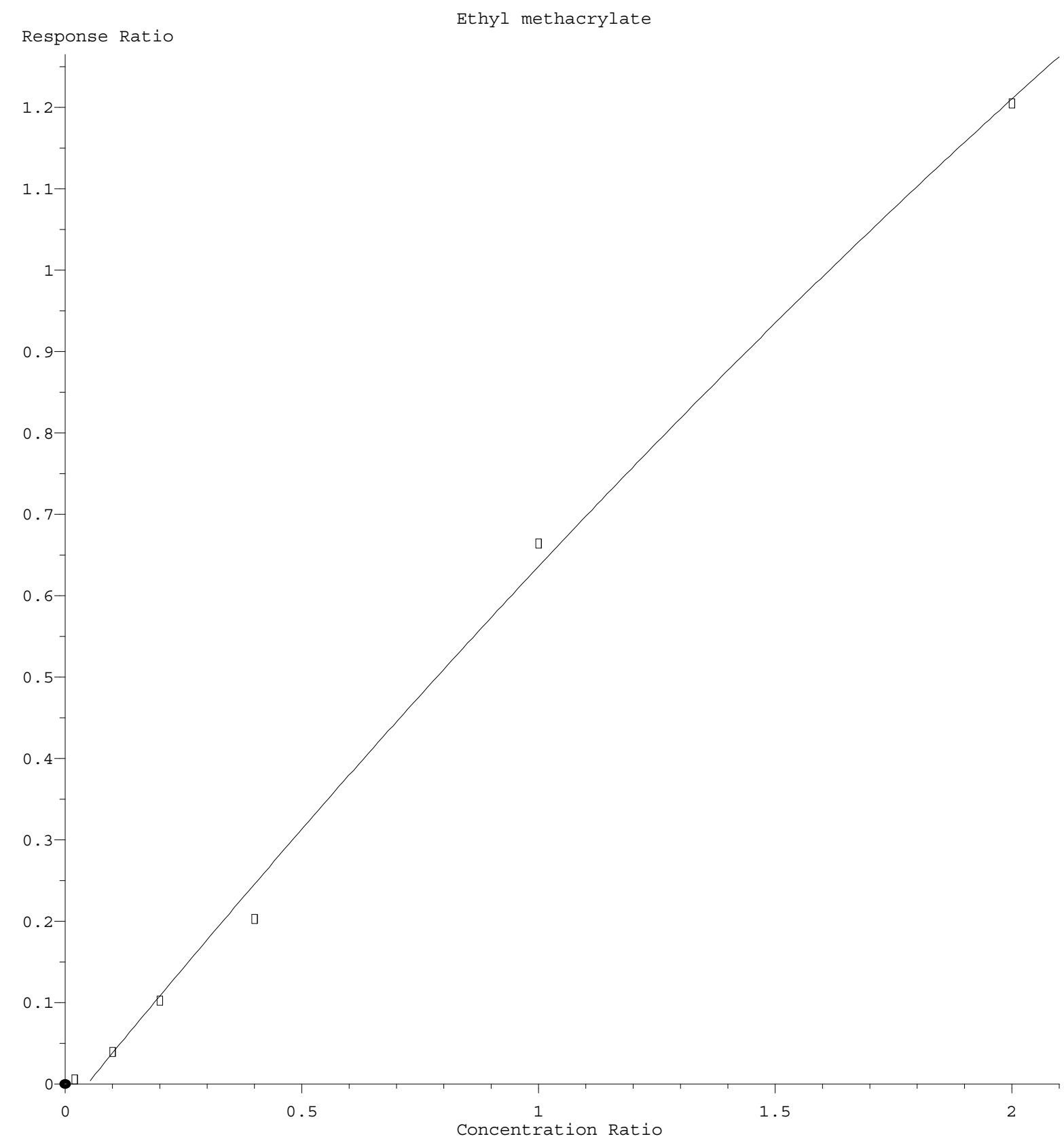
(#) = Out of Range



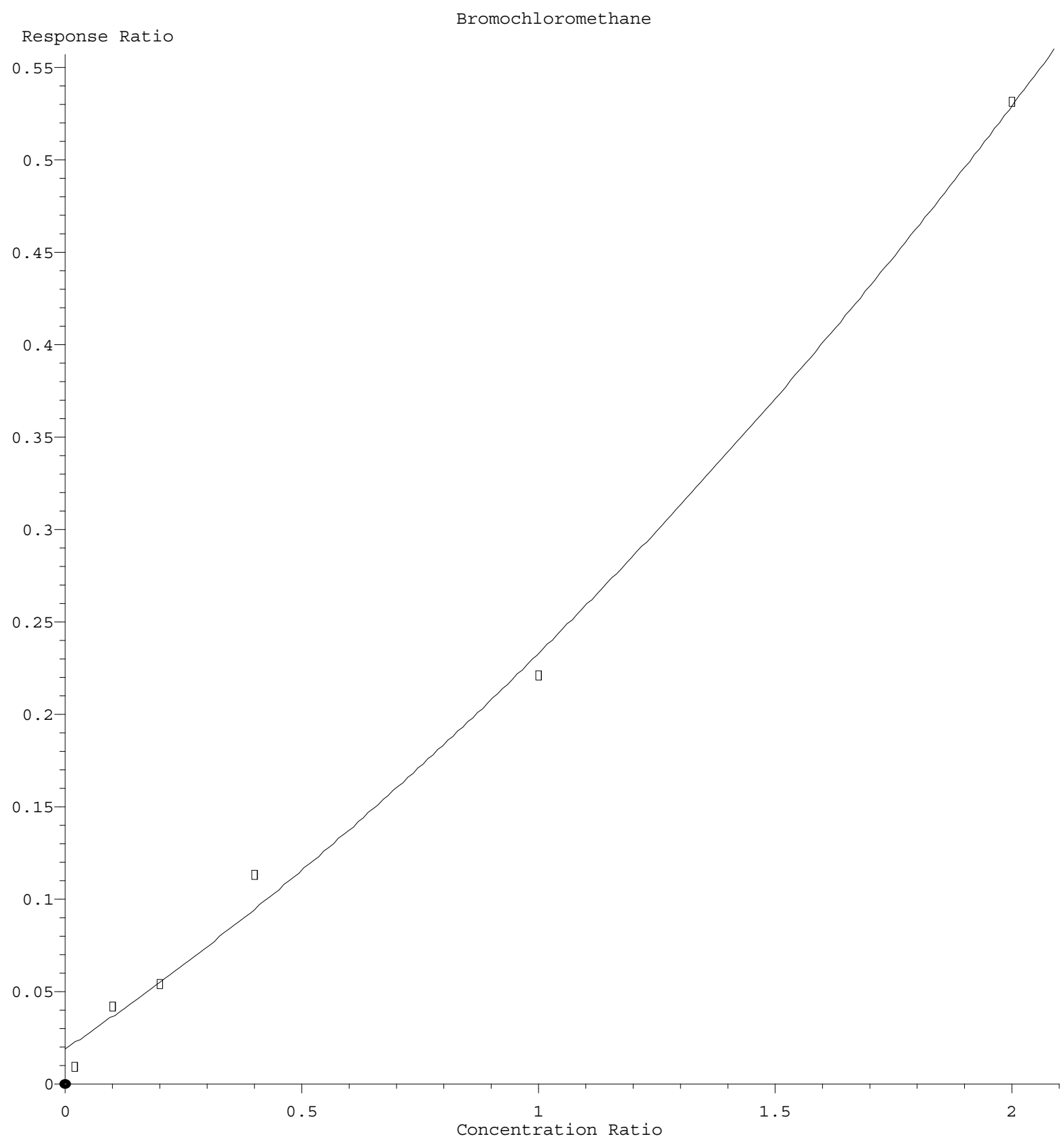
R = -1.447e-002 A*A + 5.419e-001 A - 1.174e-001
Coef of Det (r^2) = 0.996882 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA V\Method\82V082125W.M
Calibration Table Last Updated: Fri Aug 22 04:15:04 2025



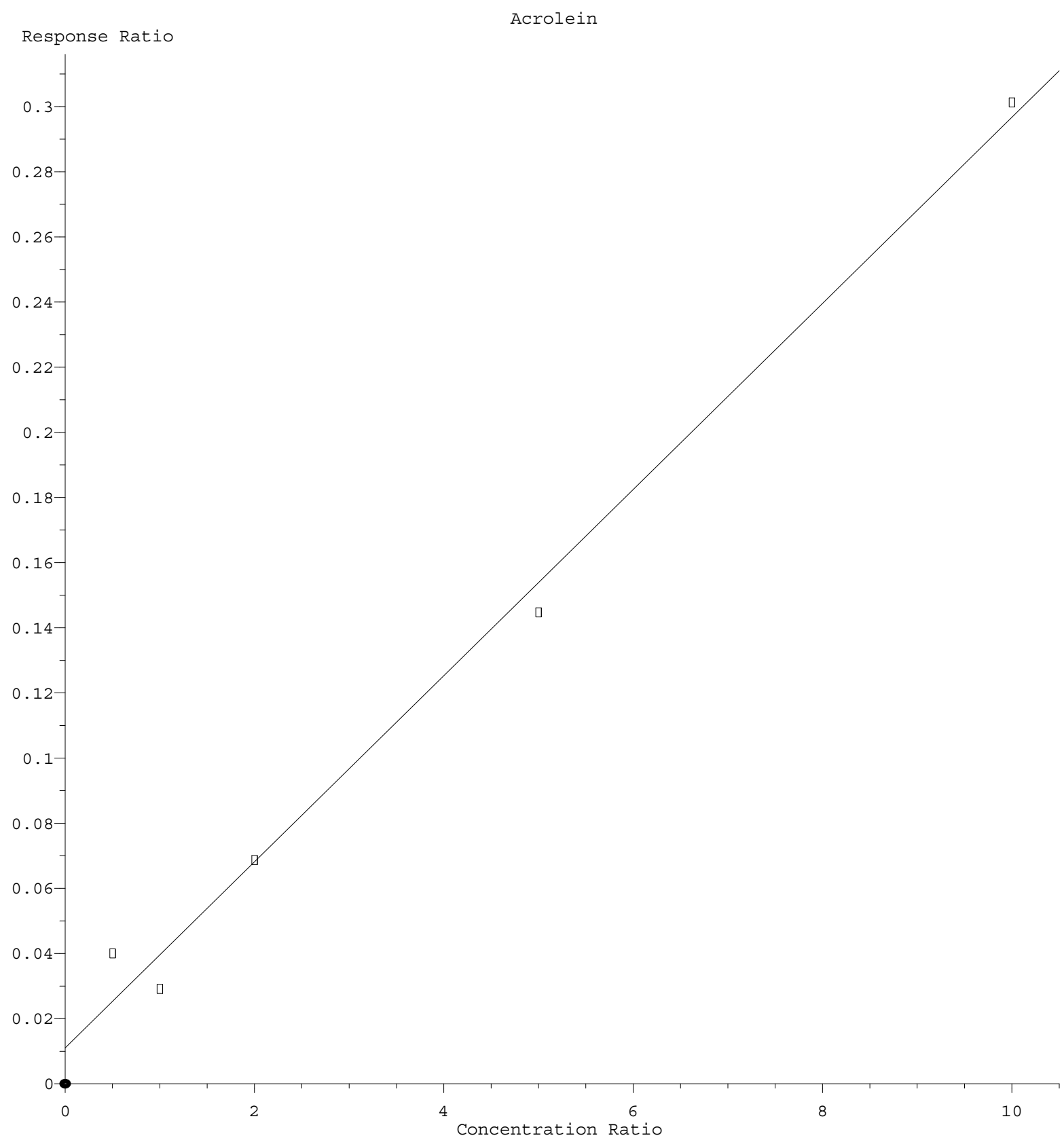
R = 2.438e-003 A*A + 2.903e-001 A - 2.897e-002
Coef of Det (r^2) = 0.999851 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA V\Method\82V082125W.M
Calibration Table Last Updated: Fri Aug 22 04:15:04 2025



R = -4.716e-002 A*A + 7.159e-001 A - 3.305e-002
Coef of Det (r^2) = 0.997058 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA V\Method\82V082125W.M
Calibration Table Last Updated: Fri Aug 22 04:15:04 2025



R = 4.102e-002 A*A + 1.731e-001 A + 1.887e-002
Coef of Det (r^2) = 0.996398 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA V\Method\82V082125W.M
Calibration Table Last Updated: Fri Aug 22 04:15:04 2025



Response = 2.852e-002 * Amt + 1.123e-002
Coef of Det (r^2) = 0.991499 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA V\Method\82V082125W.M
Calibration Table Last Updated: Fri Aug 22 04:15:04 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038973.D
Acq On : 21 Aug 2025 09:05
Operator : SY/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 22 03:54:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 03:54:40 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	4.596	168	361688	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	5.529	114	636070	50.000	ug/l		0.00
63) Chlorobenzene-d5	8.776	117	596513	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	251713	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 81 - 118		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 80 - 119		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 89 - 112		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 85 - 114		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.121	85	6883	1.273	ug/l		96
3) Chloromethane	1.227	50	6352	1.137	ug/l		92
4) Vinyl Chloride	1.297	62	7123	1.209	ug/l		90
6) Chloroethane	1.564	64	2500m	0.834	ug/l		
7) Trichlorofluoromethane	1.725	101	9708	1.203	ug/l		94
8) Diethyl Ether	1.918	74	3244	1.307	ug/l		91
9) 1,1,2-Trichlorotrifluo...	2.079	101	5954	1.336	ug/l		99
12) 1,1-Dichloroethene	2.085	96	4880	1.189	ug/l		94
14) Allyl chloride	2.358	41	6298	1.149	ug/l		93
15) Acrylonitrile	2.699	53	11114m	5.319	ug/l		
16) Acetone	2.121	43	14090	6.917	ug/l		92
17) Carbon Disulfide	2.256	76	13201	1.156	ug/l	#	94
18) Methyl Acetate	2.394	43	4416m	1.023	ug/l		
19) Methyl tert-butyl Ether	2.715	73	11785	0.971	ug/l		96
20) Methylene Chloride	2.458	84	5824	1.230	ug/l		96
21) trans-1,2-Dichloroethene	2.709	96	4171	0.976	ug/l	#	82
22) Diisopropyl ether	3.217	45	12570m	1.045	ug/l		
23) Vinyl Acetate	3.220	43	44070m	4.574	ug/l		
24) 1,1-Dichloroethane	3.124	63	9355	1.174	ug/l		97
25) 2-Butanone	3.953	43	10293m	3.802	ug/l		
26) 2,2-Dichloropropane	3.815	77	8938	1.169	ug/l		90
27) cis-1,2-Dichloroethene	3.847	96	5246m	1.017	ug/l		
28) Bromochloromethane	4.175	49	3349m	1.445	ug/l		
29) Tetrahydrofuran	4.265	42	8270m	4.690	ug/l		
30) Chloroform	4.288	83	9932	1.064	ug/l		91
32) 1,1,1-Trichloroethane	4.513	97	10188	1.190	ug/l	#	45
36) 1,1-Dichloropropene	4.757	75	6881m	1.111	ug/l		
37) Ethyl Acetate	3.953	43	5460m	0.857	ug/l		
38) Carbon Tetrachloride	4.744	117	9223	1.112	ug/l		99
39) Methylcyclohexane	6.043	83	7300	0.922	ug/l	#	84
40) Benzene	5.024	78	17600	0.907	ug/l	#	88
41) Methacrylonitrile	4.252	41	2032m	0.844	ug/l		
42) 1,2-Dichloroethane	5.066	62	7662m	1.080	ug/l		
43) Isopropyl Acetate	5.236	43	10108m	1.102	ug/l		
44) Trichloroethene	5.854	130	5651	1.074	ug/l		95
45) 1,2-Dichloropropane	6.114	63	4343	0.933	ug/l	#	88

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038973.D
Acq On : 21 Aug 2025 09:05
Operator : SY/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 22 03:54:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 03:54:40 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	6.249	93	4509	1.155	ug/l		87
47) Bromodichloromethane	6.439	83	8726	1.098	ug/l		91
48) Methyl methacrylate	6.368	41	4351m	1.071	ug/l		
49) 1,4-Dioxane	6.333	88	1233m	17.377	ug/l		
51) 4-Methyl-2-Pentanone	7.159	43	20823	3.382	ug/l		91
52) Toluene	7.326	92	10062	0.819	ug/l		96
53) t-1,3-Dichloropropene	7.606	75	6854m	0.923	ug/l		
54) cis-1,3-Dichloropropene	6.966	75	6390	0.830	ug/l		92
55) 1,1,2-Trichloroethane	7.776	97	5138	0.959	ug/l		94
56) Ethyl methacrylate	7.741	69	3602	2.674	ug/l	#	88
57) 1,3-Dichloropropane	7.950	76	7044	0.843	ug/l		94
58) 2-Chloroethyl Vinyl ether	6.844	63	9019	7.421	ug/l	#	77
59) 2-Hexanone	8.088	43	13246	12.844	ug/l		89
60) Dibromochloromethane	8.175	129	6338	0.980	ug/l		99
61) 1,2-Dibromoethane	8.284	107	4673	0.841	ug/l		100
64) Tetrachloroethene	7.905	164	4279	0.964	ug/l		94
65) Chlorobenzene	8.808	112	15090	1.049	ug/l		100
66) 1,1,1,2-Tetrachloroethane	8.902	131	5184	1.004	ug/l	#	60
67) Ethyl Benzene	8.947	91	19734	0.899	ug/l		91
68) m/p-Xylenes	9.072	106	13689	1.605	ug/l		93
69) o-Xylene	9.477	106	6311	0.812	ug/l		98
70) Styrene	9.506	104	10182m	0.764	ug/l		
71) Bromoform	9.667	173	4399m	1.032	ug/l		
73) Isopropylbenzene	9.860	105	16775	0.993	ug/l		99
74) N-amyl acetate	9.760	43	6220m	1.014	ug/l		
75) 1,1,2,2-Tetrachloroethane	10.172	83	8787	1.310	ug/l		99
76) 1,2,3-Trichloropropane	10.207	75	4814	1.040	ug/l	#	23
77) Bromobenzene	10.152	156	4365	1.006	ug/l		87
78) n-propylbenzene	10.284	91	18791	0.932	ug/l		99
79) 2-Chlorotoluene	10.358	91	10427	0.842	ug/l		97
80) 1,3,5-Trimethylbenzene	10.471	105	13747	0.967	ug/l		97
82) 4-Chlorotoluene	10.477	91	12887	0.923	ug/l		99
83) tert-Butylbenzene	10.792	119	14198	1.006	ug/l		95
84) 1,2,4-Trimethylbenzene	10.850	105	12782	0.940	ug/l		95
85) sec-Butylbenzene	11.014	105	18208	0.992	ug/l		95
86) p-Isopropyltoluene	11.168	119	14370	0.930	ug/l		91
87) 1,3-Dichlorobenzene	11.117	146	8733	1.019	ug/l		98
88) 1,4-Dichlorobenzene	11.197	146	10066m	1.101	ug/l		
89) n-Butylbenzene	11.590	91	14990	0.995	ug/l		91
90) Hexachloroethane	11.818	117	4168	1.167	ug/l		87
91) 1,2-Dichlorobenzene	11.580	146	8482	1.038	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	12.358	75	1443	1.106	ug/l		82
93) 1,2,4-Trichlorobenzene	13.197	180	4723	0.969	ug/l		95
94) Hexachlorobutadiene	13.374	225	2983	1.187	ug/l		92
95) Naphthalene	13.438	128	13876	0.902	ug/l	#	93
96) 1,2,3-Trichlorobenzene	13.676	180	4421	0.899	ug/l		92

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

ICAL Form

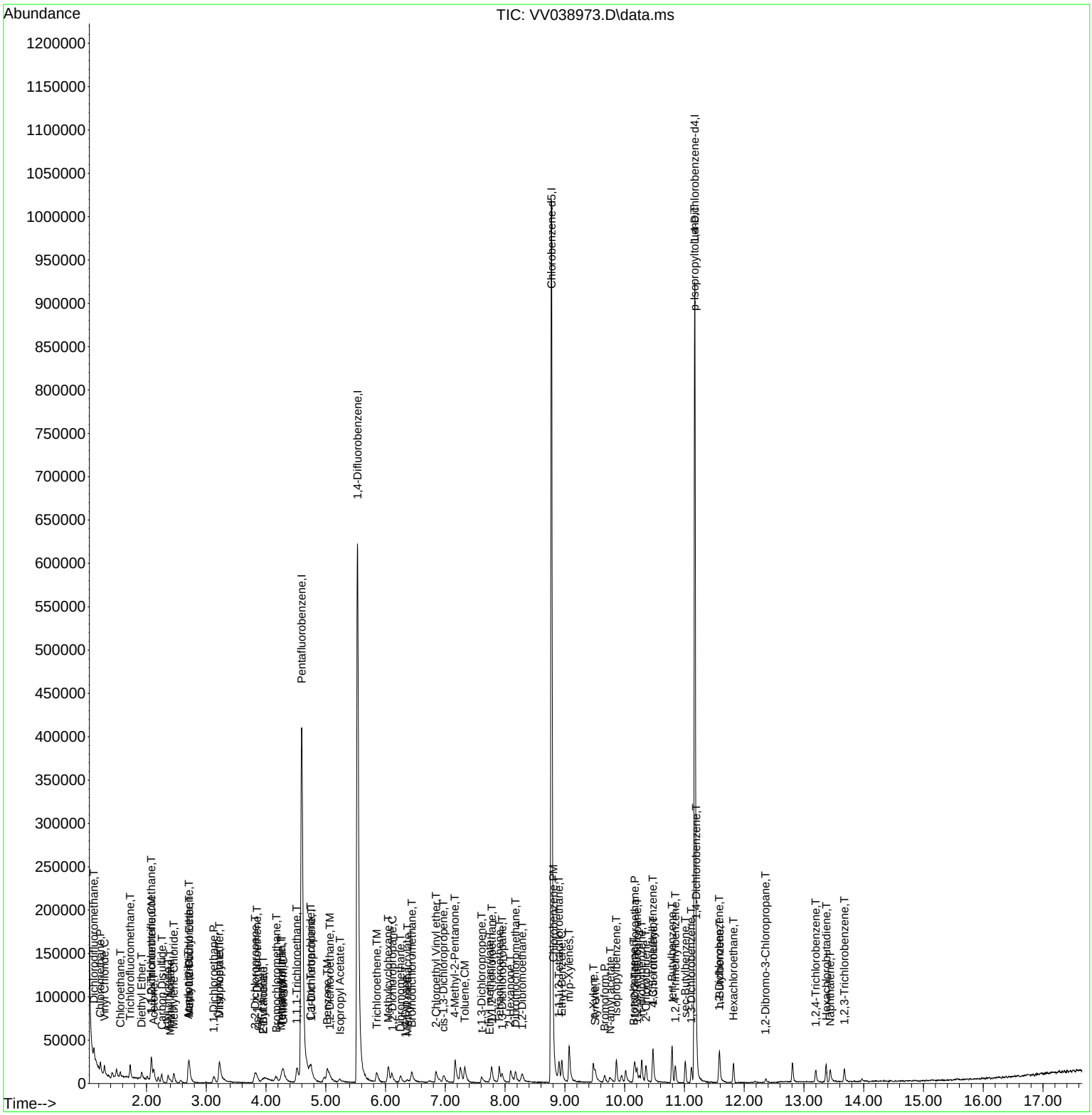
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038973.D
Acq On : 21 Aug 2025 09:05
Operator : SY/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 22 03:54:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 03:54:40 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038974.D
Acq On : 21 Aug 2025 09:48
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 22 03:44:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 03:31:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.596	168	412913	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	670769	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	663470	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	349115	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.953	65	33658	5.809	ug/l	0.01
Spiked Amount 50.000	Range 81 - 118		Recovery = 11.620%#			
35) Dibromofluoromethane	4.513	113	28151	5.596	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 11.200%#			
50) Toluene-d8	7.239	98	90872	5.180	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 10.360%#			
62) 4-Bromofluorobenzene	10.008	95	28515	4.444	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 8.880%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	31224	5.059	ug/l	94
3) Chloromethane	1.230	50	35210	5.522	ug/l	99
4) Vinyl Chloride	1.298	62	35075	5.214	ug/l	98
5) Bromomethane	1.494	94	18959	5.215	ug/l	97
6) Chloroethane	1.558	64	23075m	6.745	ug/l	
7) Trichlorofluoromethane	1.725	101	48621	5.276	ug/l	98
8) Diethyl Ether	1.918	74	14331	5.056	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.079	101	25939	5.099	ug/l	99
10) Methyl Iodide	2.195	142	32050	5.064	ug/l	97
11) Tert butyl alcohol	2.568	59	17144	21.862	ug/l #	85
12) 1,1-Dichloroethene	2.082	96	24504	5.229	ug/l	97
13) Acrolein	2.008	56	16525	50.477	ug/l	94
14) Allyl chloride	2.359	41	31941	5.105	ug/l	92
15) Acrylonitrile	2.680	53	50041	20.977	ug/l	99
16) Acetone	2.121	43	54515	23.443	ug/l	97
17) Carbon Disulfide	2.249	76	67348	5.167	ug/l	97
18) Methyl Acetate	2.388	43	24339	4.938	ug/l	96
19) Methyl tert-butyl Ether	2.709	73	61304	4.424	ug/l #	91
20) Methylene Chloride	2.455	84	27192	5.032	ug/l	92
21) trans-1,2-Dichloroethene	2.706	96	23815	4.879	ug/l	94
22) Diisopropyl ether	3.214	45	50693	3.690	ug/l #	66
23) Vinyl Acetate	3.195	43	216983	19.728	ug/l	100
24) 1,1-Dichloroethane	3.121	63	42455	4.665	ug/l	100
25) 2-Butanone	3.883	43	69389	22.452	ug/l	99
26) 2,2-Dichloropropane	3.809	77	43233	4.953	ug/l	98
27) cis-1,2-Dichloroethene	3.831	96	29322	4.977	ug/l	97
28) Bromochloromethane	4.162	49	17309	6.461	ug/l	88
29) Tetrahydrofuran	4.243	42	45392	22.546	ug/l	88
30) Chloroform	4.278	83	55537	5.211	ug/l	98
31) Cyclohexane	4.584	56	44744	5.511	ug/l #	89
32) 1,1,1-Trichloroethane	4.513	97	51520	5.273	ug/l	99
36) 1,1-Dichloropropene	4.751	75	28257	4.325	ug/l	98
37) Ethyl Acetate	3.998	43	36401m	5.421	ug/l	
38) Carbon Tetrachloride	4.735	117	48720	5.569	ug/l	96
39) Methylcyclohexane	6.043	83	39602	4.744	ug/l	95
40) Benzene	5.014	78	104481	5.106	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038974.D
Acq On : 21 Aug 2025 09:48
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 22 03:44:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 03:31:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.188	41	8577m	3.379	ug/l		
42) 1,2-Dichloroethane	5.047	62	40055	5.355	ug/l		89
43) Isopropyl Acetate	5.201	43	41554	4.295	ug/l	#	92
44) Trichloroethene	5.838	130	29053	5.235	ug/l		99
45) 1,2-Dichloropropane	6.095	63	22470	4.579	ug/l		96
46) Dibromomethane	6.236	93	20428	4.961	ug/l		97
47) Bromodichloromethane	6.429	83	42561	5.079	ug/l		99
48) Methyl methacrylate	6.320	41	15941	3.720	ug/l		96
49) 1,4-Dioxane	6.307	88	6245	83.460	ug/l	#	92
51) 4-Methyl-2-Pentanone	7.149	43	147493	22.716	ug/l		94
52) Toluene	7.313	92	61443	4.741	ug/l		95
53) t-1,3-Dichloropropene	7.583	75	34156	4.360	ug/l		96
54) cis-1,3-Dichloropropene	6.957	75	38343	4.724	ug/l		96
55) 1,1,2-Trichloroethane	7.767	97	28995	5.132	ug/l		98
56) Ethyl methacrylate	7.725	69	26451	5.062	ug/l		98
57) 1,3-Dichloropropane	7.937	76	43220	4.906	ug/l		99
58) 2-Chloroethyl Vinyl ether	6.818	63	60203	20.376	ug/l		92
59) 2-Hexanone	8.072	43	101321	25.107	ug/l		91
60) Dibromochloromethane	8.169	129	35047	5.137	ug/l		100
61) 1,2-Dibromoethane	8.281	107	29319	5.002	ug/l		97
64) Tetrachloroethene	7.899	164	25352	5.135	ug/l		98
65) Chlorobenzene	8.805	112	80045	5.004	ug/l		99
66) 1,1,1,2-Tetrachloroethane	8.899	131	29630	5.160	ug/l		99
67) Ethyl Benzene	8.940	91	110094	4.508	ug/l		97
68) m/p-Xylenes	9.066	106	81612	8.605	ug/l		98
69) o-Xylene	9.471	106	37957	4.391	ug/l		94
70) Styrene	9.493	104	60420	4.074	ug/l		96
71) Bromoform	9.657	173	23906	5.044	ug/l	#	96
73) Isopropylbenzene	9.857	105	97042	4.142	ug/l		95
74) N-amyl acetate	9.731	43	35268	4.145	ug/l	#	92
75) 1,1,2,2-Tetrachloroethane	10.169	83	46204	4.966	ug/l		99
76) 1,2,3-Trichloropropane	10.201	75	31694	4.937	ug/l		92
77) Bromobenzene	10.146	156	28738	4.775	ug/l		94
78) n-propylbenzene	10.278	91	117925	4.216	ug/l		99
79) 2-Chlorotoluene	10.349	91	77822	4.533	ug/l		98
80) 1,3,5-Trimethylbenzene	10.464	105	84706	4.297	ug/l		99
81) trans-1,4-Dichloro-2-b...	9.934	75	11853	4.202	ug/l		93
82) 4-Chlorotoluene	10.468	91	85322	4.408	ug/l		98
83) tert-Butylbenzene	10.789	119	90520	4.624	ug/l		95
84) 1,2,4-Trimethylbenzene	10.844	105	76248	4.041	ug/l		97
85) sec-Butylbenzene	11.014	105	111895	4.395	ug/l		98
86) p-Isopropyltoluene	11.169	119	92903	4.333	ug/l		98
87) 1,3-Dichlorobenzene	11.111	146	59042	4.968	ug/l		98
88) 1,4-Dichlorobenzene	11.198	146	62961	4.966	ug/l		92
89) n-Butylbenzene	11.583	91	89015	4.261	ug/l		98
90) Hexachloroethane	11.821	117	25371	5.120	ug/l		96
91) 1,2-Dichlorobenzene	11.570	146	54438	4.804	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.355	75	9123	5.042	ug/l		95
93) 1,2,4-Trichlorobenzene	13.188	180	30205	4.466	ug/l		95
94) Hexachlorobutadiene	13.371	225	16645	4.774	ug/l		97
95) Naphthalene	13.429	128	84039	3.938	ug/l		99
96) 1,2,3-Trichlorobenzene	13.667	180	29578	4.337	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038974.D
Acq On : 21 Aug 2025 09:48
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 03:44:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 03:31:29 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

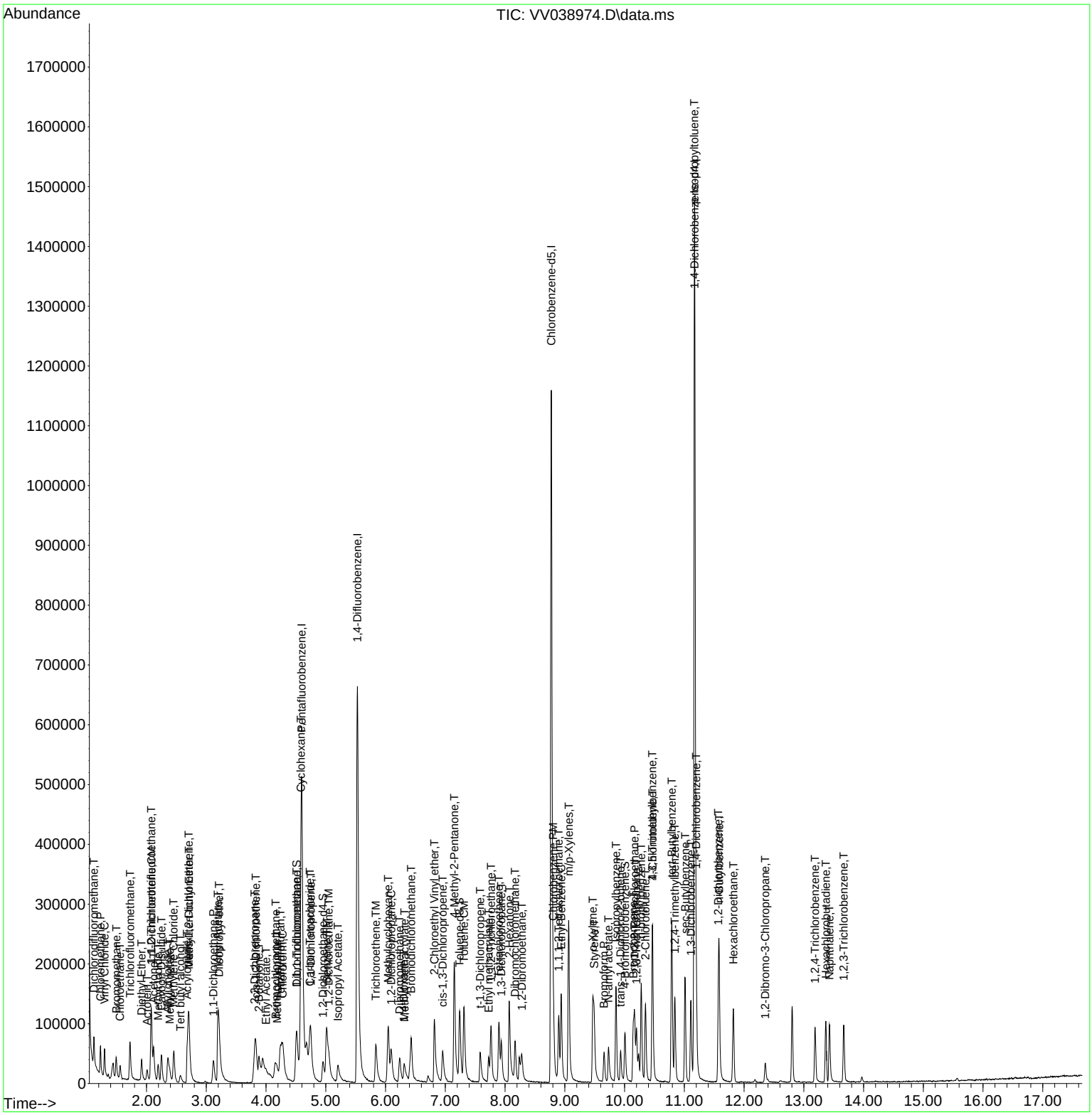
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038974.D
Acq On : 21 Aug 2025 09:48
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 22 03:44:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 03:31:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038975.D
Acq On : 21 Aug 2025 10:17
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Quant Time: Aug 22 03:45:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 03:31:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.597	168	493049	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	770115	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	738684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	389746	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	137174	19.828	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 39.660%#			
35) Dibromofluoromethane	4.503	113	118835	20.576	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 41.160%#			
50) Toluene-d8	7.236	98	414482	20.581	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 41.160%#			
62) 4-Bromofluorobenzene	10.001	95	145467	19.744	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 39.480%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	133170	18.068	ug/l	99
3) Chloromethane	1.230	50	140328	18.432	ug/l	98
4) Vinyl Chloride	1.294	62	135730	16.896	ug/l	99
5) Bromomethane	1.497	94	76753	17.679	ug/l	98
6) Chloroethane	1.561	64	72005	17.627	ug/l	93
7) Trichlorofluoromethane	1.725	101	202353	18.388	ug/l	99
8) Diethyl Ether	1.918	74	60745	17.949	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.079	101	110063	18.119	ug/l	98
10) Methyl Iodide	2.195	142	147214	19.479	ug/l	98
11) Tert butyl alcohol	2.558	59	100756	107.602	ug/l	100
12) 1,1-Dichloroethene	2.079	96	102277	18.278	ug/l	98
13) Acrolein	2.008	56	33864	100.726	ug/l	100
14) Allyl chloride	2.359	41	142005	19.007	ug/l	97
15) Acrylonitrile	2.674	53	323462	113.558	ug/l	98
16) Acetone	2.114	43	257266	92.651	ug/l	100
17) Carbon Disulfide	2.249	76	290919	18.692	ug/l	99
18) Methyl Acetate	2.381	43	125778	21.371	ug/l	95
19) Methyl tert-butyl Ether	2.709	73	353510	21.365	ug/l	96
20) Methylene Chloride	2.455	84	136883	21.213	ug/l	93
21) trans-1,2-Dichloroethene	2.703	96	126219	21.656	ug/l	98
22) Diisopropyl ether	3.211	45	348305	21.233	ug/l	97
23) Vinyl Acetate	3.188	43	1421747	108.257	ug/l	96
24) 1,1-Dichloroethane	3.118	63	221234	20.360	ug/l	97
25) 2-Butanone	3.860	43	391716	106.147	ug/l	97
26) 2,2-Dichloropropane	3.809	77	201464	19.328	ug/l	99
27) cis-1,2-Dichloroethene	3.822	96	135389	19.246	ug/l	95
28) Bromochloromethane	4.146	49	55788	24.411	ug/l	89
29) Tetrahydrofuran	4.230	42	251836	104.757	ug/l	91
30) Chloroform	4.275	83	245359	19.282	ug/l	98
31) Cyclohexane	4.584	56	188266	19.419	ug/l	97
32) 1,1,1-Trichloroethane	4.510	97	218298	18.712	ug/l	99
36) 1,1-Dichloropropene	4.744	75	152312	20.307	ug/l	99
37) Ethyl Acetate	3.973	43	146658	19.022	ug/l	94
38) Carbon Tetrachloride	4.735	117	187355	18.653	ug/l	99
39) Methylcyclohexane	6.043	83	188639	19.683	ug/l	93
40) Benzene	5.008	78	493541	21.009	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038975.D
Acq On : 21 Aug 2025 10:17
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Quant Time: Aug 22 03:45:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 03:31:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.159	41	57745	19.814	ug/l	97
42) 1,2-Dichloroethane	5.040	62	168343	19.601	ug/l	99
43) Isopropyl Acetate	5.188	43	220954	19.889	ug/l	97
44) Trichloroethene	5.831	130	120625	18.930	ug/l	94
45) 1,2-Dichloropropane	6.088	63	122368	21.719	ug/l	96
46) Dibromomethane	6.227	93	92422	19.550	ug/l	96
47) Bromodichloromethane	6.426	83	189626	19.709	ug/l	99
48) Methyl methacrylate	6.297	41	99334	20.192	ug/l	95
49) 1,4-Dioxane	6.288	88	34249	398.670	ug/l	96
51) 4-Methyl-2-Pentanone	7.143	43	808270	108.428	ug/l	98
52) Toluene	7.307	92	310827	20.892	ug/l	98
53) t-1,3-Dichloropropene	7.574	75	174587	19.411	ug/l	98
54) cis-1,3-Dichloropropene	6.947	75	195164	20.942	ug/l	99
55) 1,1,2-Trichloroethane	7.760	97	128426	19.798	ug/l	97
56) Ethyl methacrylate	7.715	69	156208	16.834	ug/l	98
57) 1,3-Dichloropropane	7.934	76	202191	19.989	ug/l	100
58) 2-Chloroethyl Vinyl ether	6.809	63	439082	101.454	ug/l	97
59) 2-Hexanone	8.063	43	592514	85.746	ug/l	97
60) Dibromochloromethane	8.166	129	152342	19.449	ug/l	100
61) 1,2-Dibromoethane	8.275	107	136218	20.240	ug/l	98
64) Tetrachloroethene	7.895	164	108840	19.802	ug/l	98
65) Chlorobenzene	8.805	112	344406	19.337	ug/l	98
66) 1,1,1,2-Tetrachloroethane	8.899	131	125776	19.672	ug/l	98
67) Ethyl Benzene	8.937	91	546149	20.087	ug/l	100
68) m/p-Xylenes	9.063	106	450062	42.621	ug/l	99
69) o-Xylene	9.468	106	197804	20.552	ug/l	95
70) Styrene	9.487	104	357594	21.656	ug/l	99
71) Bromoform	9.654	173	103675	19.646	ug/l	99
73) Isopropylbenzene	9.857	105	561962	21.487	ug/l	100
74) N-amyl acetate	9.725	43	196570	20.696	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.165	83	206468	19.878	ug/l	98
76) 1,2,3-Trichloropropane	10.198	75	149251	20.824	ug/l	98
77) Bromobenzene	10.140	156	141847	21.110	ug/l	98
78) n-propylbenzene	10.278	91	680632	21.797	ug/l	99
79) 2-Chlorotoluene	10.349	91	415958	21.704	ug/l	99
80) 1,3,5-Trimethylbenzene	10.464	105	441294	20.050	ug/l	99
81) trans-1,4-Dichloro-2-b...	9.931	75	65212	20.710	ug/l	96
82) 4-Chlorotoluene	10.461	91	425956	19.712	ug/l	98
83) tert-Butylbenzene	10.789	119	412752	18.886	ug/l	97
84) 1,2,4-Trimethylbenzene	10.841	105	422791	20.073	ug/l	99
85) sec-Butylbenzene	11.011	105	556915	19.594	ug/l	99
86) p-Isopropyltoluene	11.165	119	481435	20.114	ug/l	99
87) 1,3-Dichlorobenzene	11.104	146	258827	19.507	ug/l	99
88) 1,4-Dichlorobenzene	11.198	146	270145	19.087	ug/l	99
89) n-Butylbenzene	11.580	91	491308	21.069	ug/l	100
90) Hexachloroethane	11.821	117	112471	20.332	ug/l	98
91) 1,2-Dichlorobenzene	11.567	146	266153	21.037	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.352	75	42681	21.129	ug/l	94
93) 1,2,4-Trichlorobenzene	13.185	180	156598	20.742	ug/l	99
94) Hexachlorobutadiene	13.368	225	81040	20.821	ug/l	97
95) Naphthalene	13.426	128	488193	20.490	ug/l	99
96) 1,2,3-Trichlorobenzene	13.667	180	165134	21.692	ug/l	99

ICAL Form

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Acq On : 21 Aug 2025 10:17
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Quant Time: Aug 22 03:45:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 03:31:29 2025
Response via : Initial Calibration

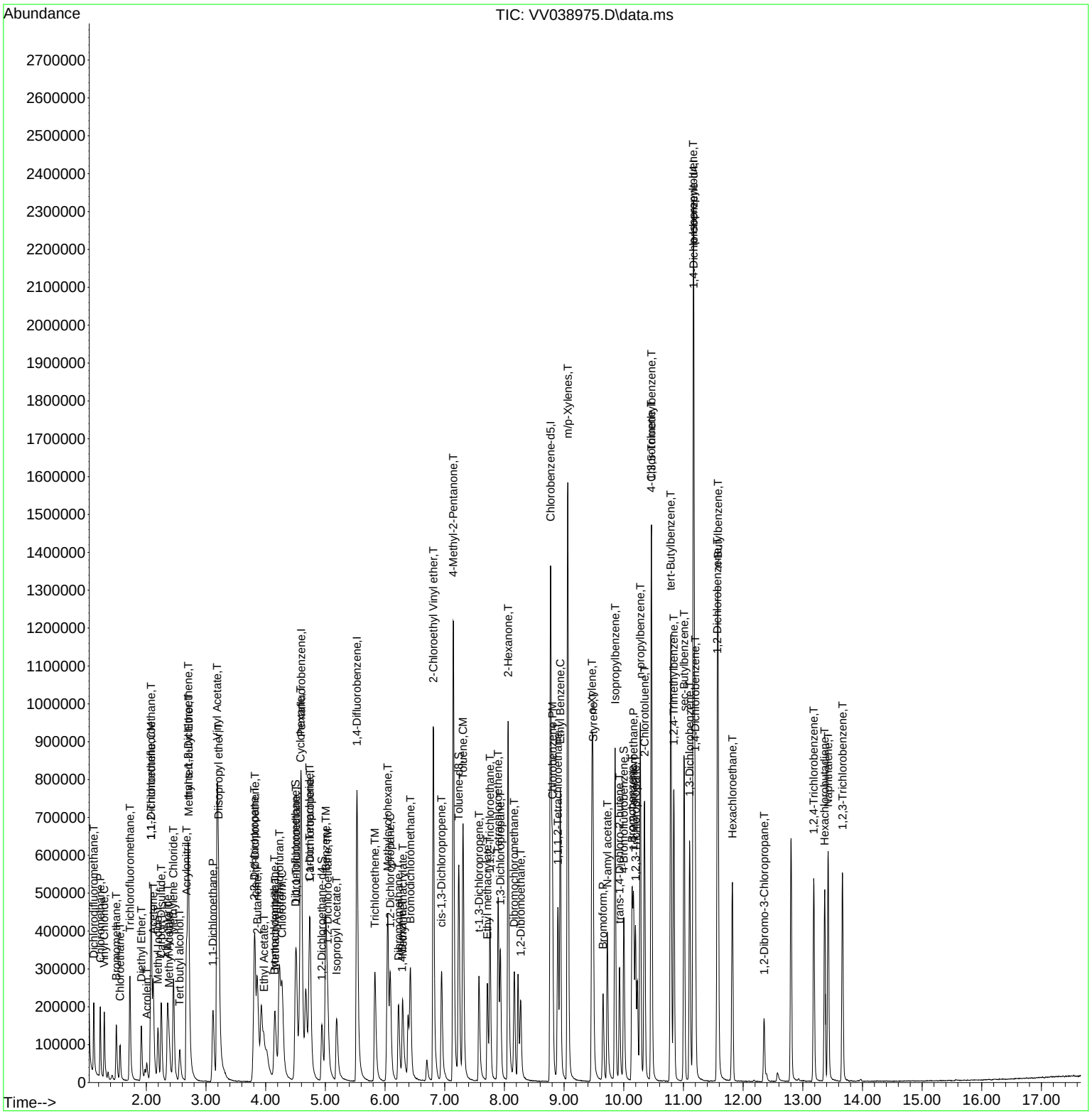
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038975.D
Acq On : 21 Aug 2025 10:17
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Quant Time: Aug 22 03:45:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 03:31:29 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038976.D
Acq On : 21 Aug 2025 10:38
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Quant Time: Aug 22 03:46:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 03:31:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	448849	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	689451	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	777232	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	462251	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	288796	45.854	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 91.700%			
35) Dibromofluoromethane	4.503	113	238280	46.084	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 92.160%			
50) Toluene-d8	7.236	98	922715	51.177	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 102.360%			
62) 4-Bromofluorobenzene	10.002	95	385450	58.439	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 116.880%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	324254	48.326	ug/l	100
3) Chloromethane	1.227	50	344558	49.714	ug/l	100
4) Vinyl Chloride	1.294	62	369283	50.497	ug/l	100
5) Bromomethane	1.494	94	200986	50.854	ug/l	100
6) Chloroethane	1.558	64	185722	49.944	ug/l	100
7) Trichlorofluoromethane	1.725	101	488190	48.730	ug/l	100
8) Diethyl Ether	1.915	74	143076	46.440	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.079	101	248852	45.001	ug/l	100
10) Methyl Iodide	2.195	142	351327	51.065	ug/l	100
11) Tert butyl alcohol	2.561	59	210470	246.905	ug/l	100
12) 1,1-Dichloroethene	2.079	96	240695	47.250	ug/l	100
13) Acrolein	2.008	56	64952	234.007	ug/l	100
14) Allyl chloride	2.356	41	318552	46.835	ug/l	100
15) Acrylonitrile	2.671	53	612933	236.374	ug/l	100
16) Acetone	2.118	43	558678	221.014	ug/l	100
17) Carbon Disulfide	2.253	76	662441	46.754	ug/l	100
18) Methyl Acetate	2.378	43	251313	46.906	ug/l	100
19) Methyl tert-butyl Ether	2.709	73	769957	51.117	ug/l	100
20) Methylene Chloride	2.455	84	260786	44.394	ug/l	100
21) trans-1,2-Dichloroethene	2.703	96	257083	48.453	ug/l	100
22) Diisopropyl ether	3.211	45	648326	43.415	ug/l	100
23) Vinyl Acetate	3.185	43	2754420	230.385	ug/l	100
24) 1,1-Dichloroethane	3.118	63	421880	42.649	ug/l	100
25) 2-Butanone	3.857	43	746049	222.071	ug/l	100
26) 2,2-Dichloropropane	3.812	77	418362	44.088	ug/l	100
27) cis-1,2-Dichloroethene	3.818	96	287359	44.872	ug/l	100
28) Bromochloromethane	4.146	49	99203	47.639	ug/l	100
29) Tetrahydrofuran	4.230	42	470026	214.773	ug/l	100
30) Chloroform	4.278	83	491932	42.466	ug/l	100
31) Cyclohexane	4.587	56	362688	41.094	ug/l	100
32) 1,1,1-Trichloroethane	4.513	97	466097	43.888	ug/l	100
36) 1,1-Dichloropropene	4.744	75	312051	46.472	ug/l	100
37) Ethyl Acetate	3.970	43	269687	39.071	ug/l	100
38) Carbon Tetrachloride	4.735	117	424814	47.243	ug/l	100
39) Methylcyclohexane	6.047	83	435443	50.751	ug/l	100
40) Benzene	5.008	78	986232	46.893	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038976.D
Acq On : 21 Aug 2025 10:38
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Quant Time: Aug 22 03:46:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 03:31:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.153	41	127313	48.796	ug/l		100
42) 1,2-Dichloroethane	5.037	62	354409	46.094	ug/l		100
43) Isopropyl Acetate	5.188	43	461979	46.451	ug/l		100
44) Trichloroethene	5.831	130	269834	47.300	ug/l		100
45) 1,2-Dichloropropane	6.088	63	227210	45.046	ug/l		100
46) Dibromomethane	6.224	93	192782	45.550	ug/l		100
47) Bromodichloromethane	6.426	83	402376	46.715	ug/l		100
48) Methyl methacrylate	6.294	41	224732	51.026	ug/l		100
49) 1,4-Dioxane	6.285	88	73876	960.553	ug/l		100
51) 4-Methyl-2-Pentanone	7.146	43	1740974	260.874	ug/l		100
52) Toluene	7.307	92	737583	55.376	ug/l		100
53) t-1,3-Dichloropropene	7.574	75	479897	59.598	ug/l		100
54) cis-1,3-Dichloropropene	6.947	75	433052	51.906	ug/l		100
55) 1,1,2-Trichloroethane	7.760	97	321494	55.358	ug/l		100
56) Ethyl methacrylate	7.715	69	457863	52.314	ug/l		100
57) 1,3-Dichloropropane	7.934	76	521692	57.609	ug/l		100
58) 2-Chloroethyl Vinyl ether	6.809	63	1020342	249.422	ug/l		100
59) 2-Hexanone	8.063	43	1602266	261.865	ug/l		100
60) Dibromochloromethane	8.169	129	385284	54.943	ug/l		100
61) 1,2-Dibromoethane	8.272	107	343681	57.042	ug/l		100
64) Tetrachloroethene	7.895	164	283092	48.950	ug/l		100
65) Chlorobenzene	8.802	112	904145	48.247	ug/l		100
66) 1,1,1,2-Tetrachloroethane	8.899	131	326401	48.520	ug/l		100
67) Ethyl Benzene	8.937	91	1516801	53.020	ug/l		100
68) m/p-Xylenes	9.063	106	1219116	109.725	ug/l		100
69) o-Xylene	9.468	106	553593	54.666	ug/l		100
70) Styrene	9.484	104	1003744	57.773	ug/l		100
71) Bromoform	9.654	173	272020	48.991	ug/l	#	100
73) Isopropylbenzene	9.857	105	1537427	49.565	ug/l		100
74) N-amyl acetate	9.725	43	574314	50.981	ug/l		100
75) 1,1,2,2-Tetrachloroethane	10.165	83	513697	41.700	ug/l		100
76) 1,2,3-Trichloropropane	10.198	75	392863	46.216	ug/l		100
77) Bromobenzene	10.140	156	372003	46.678	ug/l		100
78) n-propylbenzene	10.278	91	1876732	50.675	ug/l		100
79) 2-Chlorotoluene	10.349	91	1093250	48.097	ug/l		100
80) 1,3,5-Trimethylbenzene	10.465	105	1348347	51.653	ug/l		100
81) trans-1,4-Dichloro-2-b...	9.928	75	186646	49.978	ug/l		100
82) 4-Chlorotoluene	10.461	91	1315962	51.348	ug/l		100
83) tert-Butylbenzene	10.789	119	1306028	50.387	ug/l		100
84) 1,2,4-Trimethylbenzene	10.841	105	1330375	53.256	ug/l		100
85) sec-Butylbenzene	11.011	105	1719793	51.018	ug/l		100
86) p-Isopropyltoluene	11.165	119	1465463	51.622	ug/l		100
87) 1,3-Dichlorobenzene	11.104	146	750209	47.672	ug/l		100
88) 1,4-Dichlorobenzene	11.198	146	769904	45.864	ug/l		100
89) n-Butylbenzene	11.580	91	1405846	50.830	ug/l		100
90) Hexachloroethane	11.821	117	286765	43.709	ug/l		100
91) 1,2-Dichlorobenzene	11.567	146	702885	46.842	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.349	75	108861	45.437	ug/l		100
93) 1,2,4-Trichlorobenzene	13.185	180	449787	50.230	ug/l		100
94) Hexachlorobutadiene	13.368	225	205348	44.484	ug/l		100
95) Naphthalene	13.423	128	1544007	54.640	ug/l		100
96) 1,2,3-Trichlorobenzene	13.667	180	454605	50.349	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038976.D
Acq On : 21 Aug 2025 10:38
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Quant Time: Aug 22 03:46:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 03:31:29 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_V\DATA\VV082125\
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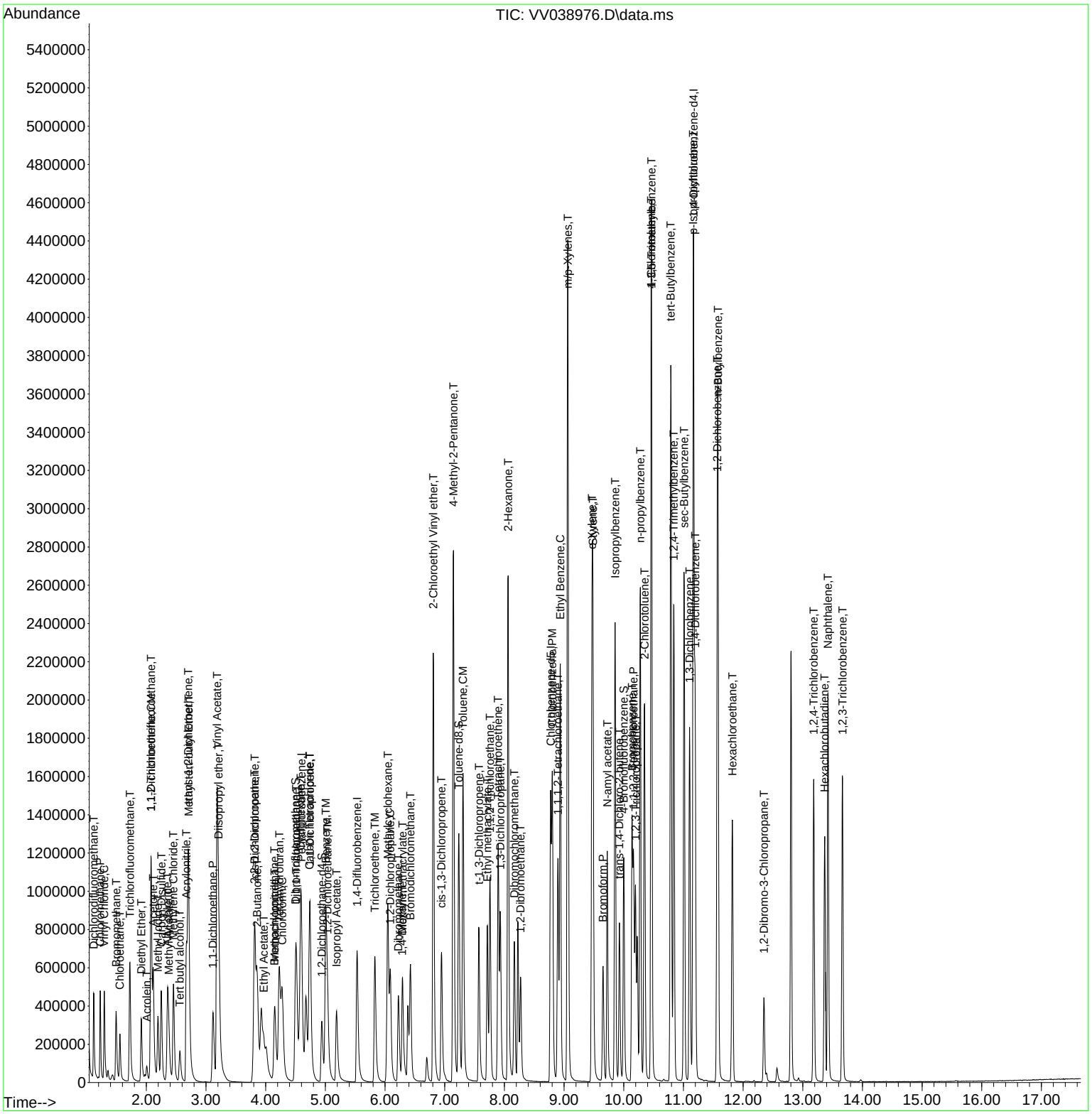
Acq On : 21 Aug 2025 10:38
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Quant Time: Aug 22 03:46:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 03:31:29 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038977.D
Acq On : 21 Aug 2025 11:02
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 03:48:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 03:31:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.596	168	550701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	884278	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	844841	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	478222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	712697	92.231	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 184.460%#			
35) Dibromofluoromethane	4.497	113	613424	92.500	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 185.000%#			
50) Toluene-d8	7.236	98	2204453	95.328	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 190.660%#			
62) 4-Bromofluorobenzene	9.998	95	842918	99.640	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 199.280%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.117	85	696939	84.659	ug/l	98
3) Chloromethane	1.227	50	720174	84.691	ug/l	100
4) Vinyl Chloride	1.294	62	786147	87.618	ug/l	98
5) Bromomethane	1.484	94	466024	96.107	ug/l	99
6) Chloroethane	1.555	64	395497	86.685	ug/l	96
7) Trichlorofluoromethane	1.722	101	1058358	86.104	ug/l	100
8) Diethyl Ether	1.915	74	332159	87.874	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.076	101	565510	83.350	ug/l	99
10) Methyl Iodide	2.195	142	789507	93.530	ug/l	98
11) Tert butyl alcohol	2.567	59	476022	455.146	ug/l	99
12) 1,1-Dichloroethene	2.079	96	545715	87.314	ug/l	98
13) Acrolein	2.005	56	165898	508.443	ug/l	95
14) Allyl chloride	2.355	41	743322	89.075	ug/l	99
15) Acrylonitrile	2.670	53	1424560	447.766	ug/l	99
16) Acetone	2.114	43	1331838	429.431	ug/l	100
17) Carbon Disulfide	2.249	76	1490985	85.769	ug/l	100
18) Methyl Acetate	2.375	43	609722	92.753	ug/l	98
19) Methyl tert-butyl Ether	2.706	73	1777243	96.167	ug/l	99
20) Methylene Chloride	2.455	84	572092	79.377	ug/l	98
21) trans-1,2-Dichloroethene	2.699	96	582749	89.519	ug/l	98
22) Diisopropyl ether	3.211	45	1987071	108.453	ug/l	82
23) Vinyl Acetate	3.185	43	8187179	558.141	ug/l	97
24) 1,1-Dichloroethane	3.117	63	1036209	85.380	ug/l	98
25) 2-Butanone	3.854	43	2236977	542.714	ug/l	98
26) 2,2-Dichloropropane	3.809	77	1088482	93.492	ug/l	99
27) cis-1,2-Dichloroethene	3.815	96	784179	99.806	ug/l	97
28) Bromochloromethane	4.143	49	292623	100.333	ug/l	86
29) Tetrahydrofuran	4.227	42	1450288	540.127	ug/l	92
30) Chloroform	4.275	83	1267089	89.152	ug/l	98
31) Cyclohexane	4.580	56	1057998	97.706	ug/l	93
32) 1,1,1-Trichloroethane	4.513	97	1157242	88.813	ug/l	98
36) 1,1-Dichloropropene	4.741	75	850104	98.708	ug/l	98
37) Ethyl Acetate	3.966	43	876237	98.977	ug/l	98
38) Carbon Tetrachloride	4.735	117	1019720	88.417	ug/l	99
39) Methylcyclohexane	6.046	83	1196645	108.741	ug/l	97
40) Benzene	5.005	78	2671143	99.025	ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038977.D
Acq On : 21 Aug 2025 11:02
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 22 03:48:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 03:31:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.149	41	415678	124.217	ug/l		90
42) 1,2-Dichloroethane	5.034	62	894836	90.740	ug/l		99
43) Isopropyl Acetate	5.185	43	1387075	108.740	ug/l		98
44) Trichloroethene	5.828	130	687326	93.937	ug/l		95
45) 1,2-Dichloropropane	6.085	63	647892	100.150	ug/l		100
46) Dibromomethane	6.220	93	503062	92.674	ug/l		97
47) Bromodichloromethane	6.423	83	1009892	91.414	ug/l		98
48) Methyl methacrylate	6.291	41	685096	121.281	ug/l		92
49) 1,4-Dioxane	6.284	88	200859	2036.216	ug/l		99
51) 4-Methyl-2-Pentanone	7.146	43	4546864	531.208	ug/l		100
52) Toluene	7.307	92	1740035	101.855	ug/l		100
53) t-1,3-Dichloropropene	7.571	75	1063910	103.016	ug/l		98
54) cis-1,3-Dichloropropene	6.944	75	1122190	104.872	ug/l		99
55) 1,1,2-Trichloroethane	7.757	97	673802	90.460	ug/l		98
56) Ethyl methacrylate	7.712	69	1065415	99.491	ug/l		100
57) 1,3-Dichloropropane	7.931	76	1104406	95.087	ug/l		98
58) 2-Chloroethyl Vinyl ether	6.808	63	2757657	500.082	ug/l		96
59) 2-Hexanone	8.062	43	3393409	496.532	ug/l		99
60) Dibromochloromethane	8.165	129	816528	90.785	ug/l		99
61) 1,2-Dibromoethane	8.271	107	737772	95.472	ug/l		100
64) Tetrachloroethene	7.895	164	611464	97.268	ug/l		99
65) Chlorobenzene	8.802	112	1929757	94.736	ug/l		99
66) 1,1,1,2-Tetrachloroethane	8.898	131	687236	93.983	ug/l		99
67) Ethyl Benzene	8.934	91	3375810	108.559	ug/l		99
68) m/p-Xylenes	9.062	106	2653633	219.724	ug/l		99
69) o-Xylene	9.468	106	1249877	113.545	ug/l		99
70) Styrene	9.484	104	2192468	116.094	ug/l		100
71) Bromoform	9.654	173	581951	96.423	ug/l	#	99
73) Isopropylbenzene	9.857	105	3362102	104.771	ug/l		100
74) N-amyl acetate	9.722	43	1309039	112.322	ug/l		99
75) 1,1,2,2-Tetrachloroethane	10.165	83	1073425	84.227	ug/l		99
76) 1,2,3-Trichloropropane	10.197	75	863782m	98.221	ug/l		
77) Bromobenzene	10.140	156	802878	97.379	ug/l		99
78) n-propylbenzene	10.278	91	4043218	105.529	ug/l		99
79) 2-Chlorotoluene	10.349	91	2363524	100.509	ug/l		100
80) 1,3,5-Trimethylbenzene	10.464	105	2904548	107.553	ug/l		99
81) trans-1,4-Dichloro-2-b...	9.927	75	411068	106.395	ug/l		100
82) 4-Chlorotoluene	10.461	91	2828682	106.686	ug/l		100
83) tert-Butylbenzene	10.789	119	2890372	107.787	ug/l		99
84) 1,2,4-Trimethylbenzene	10.837	105	2880593	111.462	ug/l		99
85) sec-Butylbenzene	11.011	105	3719526	106.655	ug/l		99
86) p-Isopropyltoluene	11.165	119	3152081	107.327	ug/l		99
87) 1,3-Dichlorobenzene	11.104	146	1590286	97.680	ug/l		100
88) 1,4-Dichlorobenzene	11.194	146	1609343	92.669	ug/l		99
89) n-Butylbenzene	11.580	91	3060449	106.959	ug/l		99
90) Hexachloroethane	11.821	117	613323	90.362	ug/l		98
91) 1,2-Dichlorobenzene	11.567	146	1496200	96.379	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.348	75	244279	98.554	ug/l		98
93) 1,2,4-Trichlorobenzene	13.184	180	1018817	109.977	ug/l		100
94) Hexachlorobutadiene	13.368	225	435956	91.285	ug/l		99
95) Naphthalene	13.422	128	3541220	121.132	ug/l		100
96) 1,2,3-Trichlorobenzene	13.664	180	1017498	108.929	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038977.D
Acq On : 21 Aug 2025 11:02
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 03:48:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 03:31:29 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

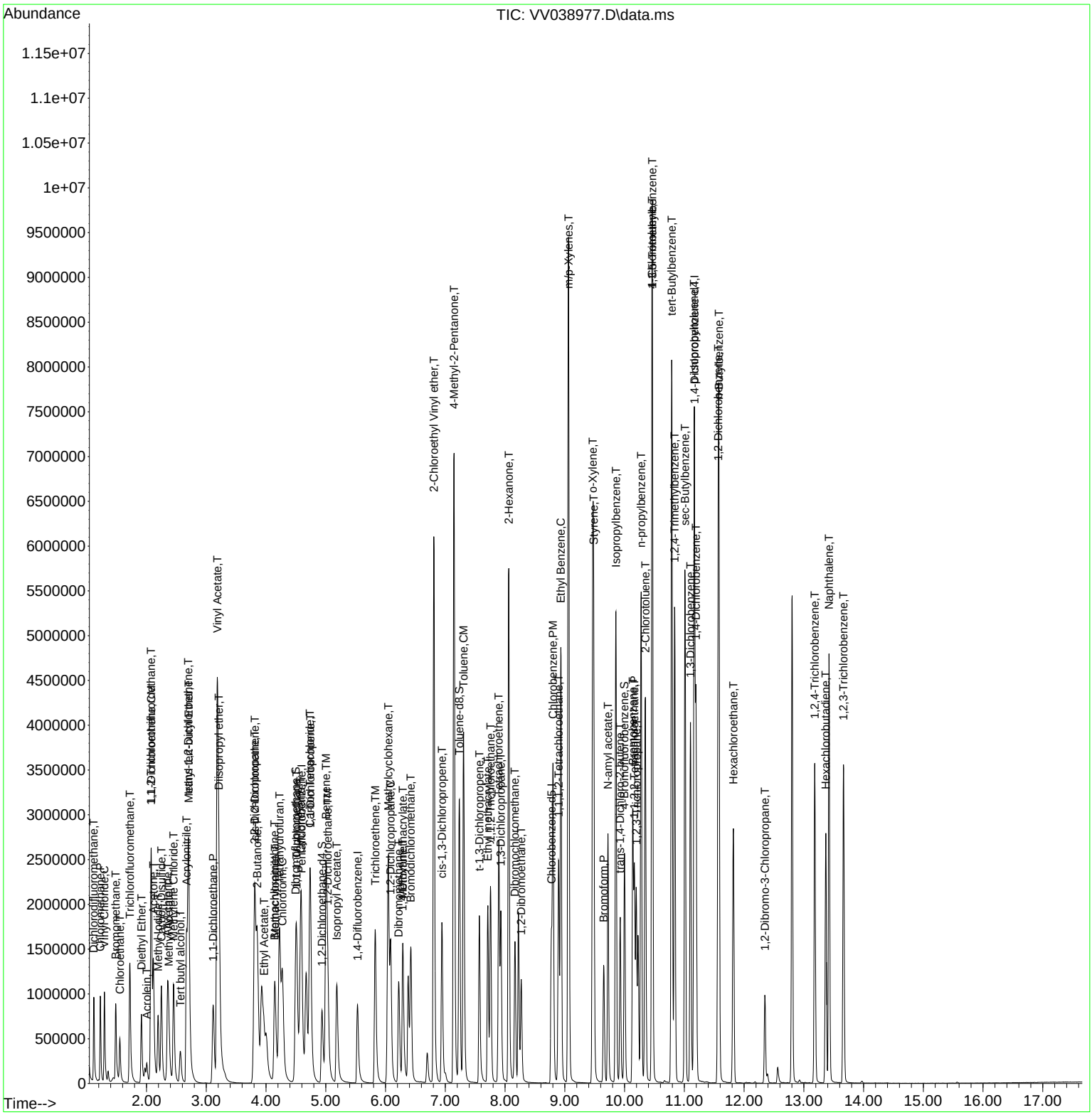
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038977.D
Acq On : 21 Aug 2025 11:02
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 22 03:48:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 03:31:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038979.D
Acq On : 21 Aug 2025 11:45
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Quant Time: Aug 22 03:49:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 03:31:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	513044	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	841230	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	790797	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	426638	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.953	65	72519	10.074	ug/l	0.01
Spiked Amount 50.000	Range 81 - 118		Recovery = 20.140%#			
35) Dibromofluoromethane	4.513	113	63422	10.053	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 20.100%#			
50) Toluene-d8	7.240	98	210765	9.581	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 19.160%#			
62) 4-Bromofluorobenzene	10.005	95	77169	9.589	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 19.180%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	76601	9.988	ug/l	100
3) Chloromethane	1.227	50	78856	9.954	ug/l	99
4) Vinyl Chloride	1.294	62	85058	10.176	ug/l	96
5) Bromomethane	1.497	94	49464	10.950	ug/l	99
6) Chloroethane	1.561	64	45999	10.822	ug/l	93
7) Trichlorofluoromethane	1.725	101	113062	9.873	ug/l	99
8) Diethyl Ether	1.918	74	34405	9.770	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.082	101	63501	10.046	ug/l	98
10) Methyl Iodide	2.198	142	83097	10.567	ug/l	98
11) Tert butyl alcohol	2.565	59	56102	57.579	ug/l	99
12) 1,1-Dichloroethene	2.082	96	60171	10.334	ug/l	98
13) Acrolein	2.011	56	14934	31.347	ug/l	96
14) Allyl chloride	2.362	41	81795	10.521	ug/l	95
15) Acrylonitrile	2.677	53	160254	54.068	ug/l	98
16) Acetone	2.121	43	145823	50.470	ug/l	99
17) Carbon Disulfide	2.253	76	175391	10.830	ug/l	99
18) Methyl Acetate	2.384	43	64632	10.554	ug/l	99
19) Methyl tert-butyl Ether	2.712	73	188007	10.920	ug/l	99
20) Methylene Chloride	2.458	84	68554	10.210	ug/l	98
21) trans-1,2-Dichloroethene	2.706	96	66805	11.015	ug/l	96
22) Diisopropyl ether	3.214	45	205325	12.029	ug/l	80
23) Vinyl Acetate	3.195	43	812363	59.446	ug/l	94
24) 1,1-Dichloroethane	3.121	63	132116	11.685	ug/l	96
25) 2-Butanone	3.873	43	226609	59.013	ug/l	95
26) 2,2-Dichloropropane	3.815	77	114703	10.575	ug/l	98
27) cis-1,2-Dichloroethene	3.828	96	82723	11.301	ug/l	99
28) Bromochloromethane	4.156	49	27758	9.730	ug/l	90
29) Tetrahydrofuran	4.240	42	149149	59.624	ug/l	90
30) Chloroform	4.281	83	138197	10.437	ug/l	98
31) Cyclohexane	4.587	56	113783	11.279	ug/l	96
32) 1,1,1-Trichloroethane	4.516	97	127866	10.533	ug/l	98
36) 1,1-Dichloropropene	4.751	75	89493	10.923	ug/l	97
37) Ethyl Acetate	3.989	43	87506	10.390	ug/l #	84
38) Carbon Tetrachloride	4.738	117	111116	10.128	ug/l	99
39) Methylcyclohexane	6.050	83	109123	10.424	ug/l	94
40) Benzene	5.015	78	280508	10.931	ug/l	96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038979.D
Acq On : 21 Aug 2025 11:45
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Quant Time: Aug 22 03:49:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 03:31:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.175	41	30444	9.563	ug/l	#	84
42) 1,2-Dichloroethane	5.044	62	97528	10.396	ug/l		100
43) Isopropyl Acetate	5.198	43	129564	10.677	ug/l		97
44) Trichloroethene	5.838	130	72915	10.475	ug/l		96
45) 1,2-Dichloropropane	6.095	63	71544	11.625	ug/l		98
46) Dibromomethane	6.233	93	53591	10.378	ug/l		96
47) Bromodichloromethane	6.429	83	110590	10.523	ug/l		100
48) Methyl methacrylate	6.307	41	56711	10.553	ug/l		95
49) 1,4-Dioxane	6.297	88	22045	234.918	ug/l		98
51) 4-Methyl-2-Pentanone	7.150	43	461727	56.704	ug/l		98
52) Toluene	7.314	92	172633	10.622	ug/l		98
53) t-1,3-Dichloropropene	7.580	75	99499	10.127	ug/l		99
54) cis-1,3-Dichloropropene	6.953	75	111069	10.911	ug/l		96
55) 1,1,2-Trichloroethane	7.764	97	71784	10.130	ug/l		96
56) Ethyl methacrylate	7.719	69	86106	9.551	ug/l		98
57) 1,3-Dichloropropane	7.937	76	118588	10.733	ug/l		98
58) 2-Chloroethyl Vinyl ether	6.815	63	228069	51.240	ug/l		95
59) 2-Hexanone	8.066	43	326400	47.855	ug/l		98
60) Dibromochloromethane	8.169	129	86741	10.138	ug/l		98
61) 1,2-Dibromoethane	8.278	107	77293	10.514	ug/l		99
64) Tetrachloroethene	7.899	164	62793	10.671	ug/l		94
65) Chlorobenzene	8.809	112	204181	10.709	ug/l		98
66) 1,1,1,2-Tetrachloroethane	8.899	131	73247	10.701	ug/l		98
67) Ethyl Benzene	8.940	91	305400	10.492	ug/l		97
68) m/p-Xylenes	9.066	106	243148	21.509	ug/l		99
69) o-Xylene	9.471	106	108544	10.535	ug/l		99
70) Styrene	9.490	104	180737	10.224	ug/l		97
71) Bromoform	9.657	173	57738	10.220	ug/l	#	98
73) Isopropylbenzene	9.857	105	304887	10.650	ug/l		98
74) N-amyl acetate	9.728	43	107317	10.322	ug/l		98
75) 1,1,2,2-Tetrachloroethane	10.166	83	116729	10.267	ug/l		99
76) 1,2,3-Trichloropropane	10.201	75	84487	10.769	ug/l		98
77) Bromobenzene	10.143	156	79178	10.764	ug/l		97
78) n-propylbenzene	10.278	91	364482	10.663	ug/l		100
79) 2-Chlorotoluene	10.349	91	224105	10.682	ug/l		99
80) 1,3,5-Trimethylbenzene	10.465	105	255973	10.625	ug/l		98
81) trans-1,4-Dichloro-2-b...	9.931	75	36554	10.605	ug/l		96
82) 4-Chlorotoluene	10.465	91	263869	11.155	ug/l		99
83) tert-Butylbenzene	10.789	119	248640	10.393	ug/l		99
84) 1,2,4-Trimethylbenzene	10.841	105	246385	10.686	ug/l		99
85) sec-Butylbenzene	11.014	105	330550	10.624	ug/l		99
86) p-Isopropyltoluene	11.169	119	286217	10.924	ug/l		99
87) 1,3-Dichlorobenzene	11.108	146	157122	10.818	ug/l		99
88) 1,4-Dichlorobenzene	11.198	146	171556	11.073	ug/l		97
89) n-Butylbenzene	11.580	91	258532	10.128	ug/l		97
90) Hexachloroethane	11.821	117	61451	10.148	ug/l		100
91) 1,2-Dichlorobenzene	11.571	146	145254	10.488	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	12.355	75	20672	9.348	ug/l		97
93) 1,2,4-Trichlorobenzene	13.188	180	82372	9.967	ug/l		100
94) Hexachlorobutadiene	13.368	225	43241	10.149	ug/l		99
95) Naphthalene	13.426	128	256131	9.821	ug/l		100
96) 1,2,3-Trichlorobenzene	13.667	180	87705	10.525	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038979.D
Acq On : 21 Aug 2025 11:45
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Quant Time: Aug 22 03:49:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 03:31:29 2025
Response via : Initial Calibration

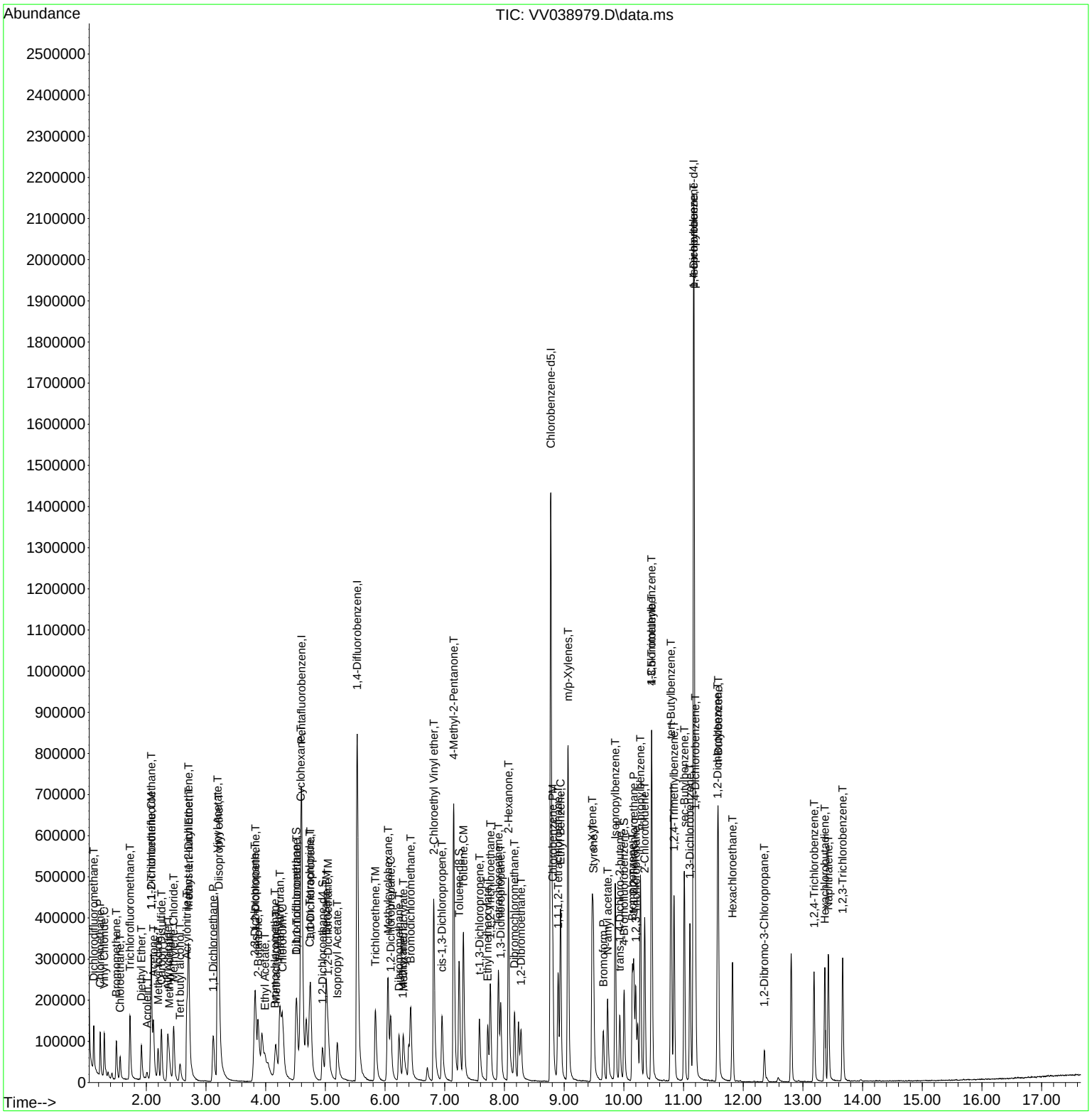
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038979.D
Acq On : 21 Aug 2025 11:45
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Quant Time: Aug 22 03:49:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 03:31:29 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038980.D
Acq On : 21 Aug 2025 12:56
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ICVVV082125

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 04:19:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.597	168	544035	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	881253	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	827681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	454705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	363314	47.593	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 95.180%			
35) Dibromofluoromethane	4.500	113	308210	46.635	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 93.280%			
50) Toluene-d8	7.236	98	1080134	46.869	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 93.740%			
62) 4-Bromofluorobenzene	9.998	95	408953	48.508	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 97.020%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.118	85	347348	42.710	ug/l	100
3) Chloromethane	1.227	50	359246	42.764	ug/l	100
4) Vinyl Chloride	1.294	62	387256	43.690	ug/l	98
5) Bromomethane	1.494	94	208404	43.505	ug/l	99
6) Chloroethane	1.558	64	181077	40.090	ug/l	100
7) Trichlorofluoromethane	1.722	101	507358	41.782	ug/l	99
8) Diethyl Ether	1.915	74	162505	43.518	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.079	101	274153	40.902	ug/l	100
10) Methyl Iodide	2.195	142	395970	47.484	ug/l	98
11) Tert butyl alcohol	2.561	59	241933	234.158	ug/l	98
12) 1,1-Dichloroethene	2.079	96	263935	42.747	ug/l	100
13) Acrolein	2.008	56	79822	237.538	ug/l	93
14) Allyl chloride	2.356	41	372217	45.151	ug/l	98
15) Acrylonitrile	2.671	53	730894	234.076	ug/l	99
16) Acetone	2.114	43	637800	208.169	ug/l	100
17) Carbon Disulfide	2.249	76	734660	42.779	ug/l	100
18) Methyl Acetate	2.378	43	307081	47.286	ug/l	99
19) Methyl tert-butyl Ether	2.706	73	900963	49.349	ug/l	100
20) Methylene Chloride	2.455	84	291011	40.872	ug/l	97
21) trans-1,2-Dichloroethene	2.700	96	282867	43.985	ug/l	97
22) Diisopropyl ether	3.211	45	797796	44.077	ug/l	91
23) Vinyl Acetate	3.185	43	3407108	234.596	ug/l	98
24) 1,1-Dichloroethane	3.118	63	489892	40.860	ug/l	99
25) 2-Butanone	3.857	43	1134837	284.677	ug/l	99
26) 2,2-Dichloropropane	3.809	77	522402	45.420	ug/l	99
27) cis-1,2-Dichloroethene	3.818	96	384522	49.539	ug/l	97
28) Bromochloromethane	4.146	49	149849	58.111	ug/l	88
29) Tetrahydrofuran	4.227	42	749656	281.713	ug/l	91
30) Chloroform	4.275	83	630089	45.988	ug/l	97
31) Cyclohexane	4.584	56	524195	49.002	ug/l	94
32) 1,1,1-Trichloroethane	4.510	97	572073	44.442	ug/l	99
36) 1,1-Dichloropropene	4.745	75	422468	49.222	ug/l	98
37) Ethyl Acetate	3.966	43	455051	54.265	ug/l	95
38) Carbon Tetrachloride	4.732	117	502523	43.722	ug/l	97
39) Methylcyclohexane	6.047	83	569225	51.904	ug/l	97
40) Benzene	5.008	78	1332784	49.579	ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038980.D
Acq On : 21 Aug 2025 12:56
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 22 04:19:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
ICVVV082125

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.153	41	204984	64.871	ug/l		92
42) 1,2-Dichloroethane	5.037	62	452424	46.035	ug/l		100
43) Isopropyl Acetate	5.185	43	709186	55.426	ug/l		97
44) Trichloroethene	5.828	130	339372	46.541	ug/l		95
45) 1,2-Dichloropropane	6.085	63	328975	51.027	ug/l		98
46) Dibromomethane	6.224	93	250499	46.305	ug/l		98
47) Bromodichloromethane	6.426	83	508309	46.169	ug/l		98
48) Methyl methacrylate	6.291	41	334970	58.402	ug/l		93
49) 1,4-Dioxane	6.285	88	103128m	1075.328	ug/l		
51) 4-Methyl-2-Pentanone	7.143	43	2317760	275.881	ug/l		99
52) Toluene	7.307	92	849767	49.913	ug/l		99
53) t-1,3-Dichloropropene	7.571	75	519087	50.434	ug/l		99
54) cis-1,3-Dichloropropene	6.947	75	556800	52.213	ug/l		99
55) 1,1,2-Trichloroethane	7.757	97	341785	46.043	ug/l		99
56) Ethyl methacrylate	7.712	69	515486	45.941	ug/l		99
57) 1,3-Dichloropropane	7.931	76	554694	47.922	ug/l		99
58) 2-Chloroethyl Vinyl ether	6.809	63	1365481	260.454	ug/l		96
59) 2-Hexanone	8.059	43	1728882	216.977	ug/l		99
60) Dibromochloromethane	8.166	129	404445	45.122	ug/l		98
61) 1,2-Dibromoethane	8.272	107	365548	47.466	ug/l		99
64) Tetrachloroethene	7.896	164	294548	47.826	ug/l		99
65) Chlorobenzene	8.802	112	945294	47.369	ug/l		99
66) 1,1,1,2-Tetrachloroethane	8.895	131	337941	47.173	ug/l		99
67) Ethyl Benzene	8.934	91	1595682	52.378	ug/l		99
68) m/p-Xylenes	9.063	106	1268818	107.238	ug/l		99
69) o-Xylene	9.468	106	591993	54.895	ug/l		100
70) Styrene	9.484	104	1050003	56.752	ug/l		100
71) Bromoform	9.654	173	284998	48.285	ug/l	#	100
73) Isopropylbenzene	9.854	105	1614424	52.911	ug/l		100
74) N-amyl acetate	9.722	43	634384	56.749	ug/l		99
75) 1,1,2,2-Tetrachloroethane	10.166	83	542309	44.753	ug/l		99
76) 1,2,3-Trichloropropane	10.198	75	413770	49.059	ug/l		99
77) Bromobenzene	10.140	156	389618	49.700	ug/l		99
78) n-propylbenzene	10.278	91	1947393	53.456	ug/l		100
79) 2-Chlorotoluene	10.346	91	1135066	51.894	ug/l		100
80) 1,3,5-Trimethylbenzene	10.465	105	1385983	53.976	ug/l		99
81) trans-1,4-Dichloro-2-b...	9.928	75	195104	53.110	ug/l		99
82) 4-Chlorotoluene	10.461	91	1346502	53.411	ug/l		100
83) tert-Butylbenzene	10.789	119	1372168	53.817	ug/l		100
84) 1,2,4-Trimethylbenzene	10.838	105	1384661	56.349	ug/l		99
85) sec-Butylbenzene	11.011	105	1797022	54.194	ug/l		100
86) p-Isopropyltoluene	11.165	119	1501670	53.775	ug/l		99
87) 1,3-Dichlorobenzene	11.104	146	765914	49.478	ug/l		100
88) 1,4-Dichlorobenzene	11.194	146	790885	47.896	ug/l		100
89) n-Butylbenzene	11.580	91	1446548	53.170	ug/l		99
90) Hexachloroethane	11.821	117	291559	45.178	ug/l		100
91) 1,2-Dichlorobenzene	11.567	146	729176	49.400	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.352	75	117774	49.973	ug/l		97
93) 1,2,4-Trichlorobenzene	13.185	180	470541	53.420	ug/l		99
94) Hexachlorobutadiene	13.368	225	209798	46.202	ug/l		99
95) Naphthalene	13.423	128	1632588	58.733	ug/l		100
96) 1,2,3-Trichlorobenzene	13.664	180	426932	48.069	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038980.D
Acq On : 21 Aug 2025 12:56
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ICVVV082125

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 04:19:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

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

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

ICAL Form

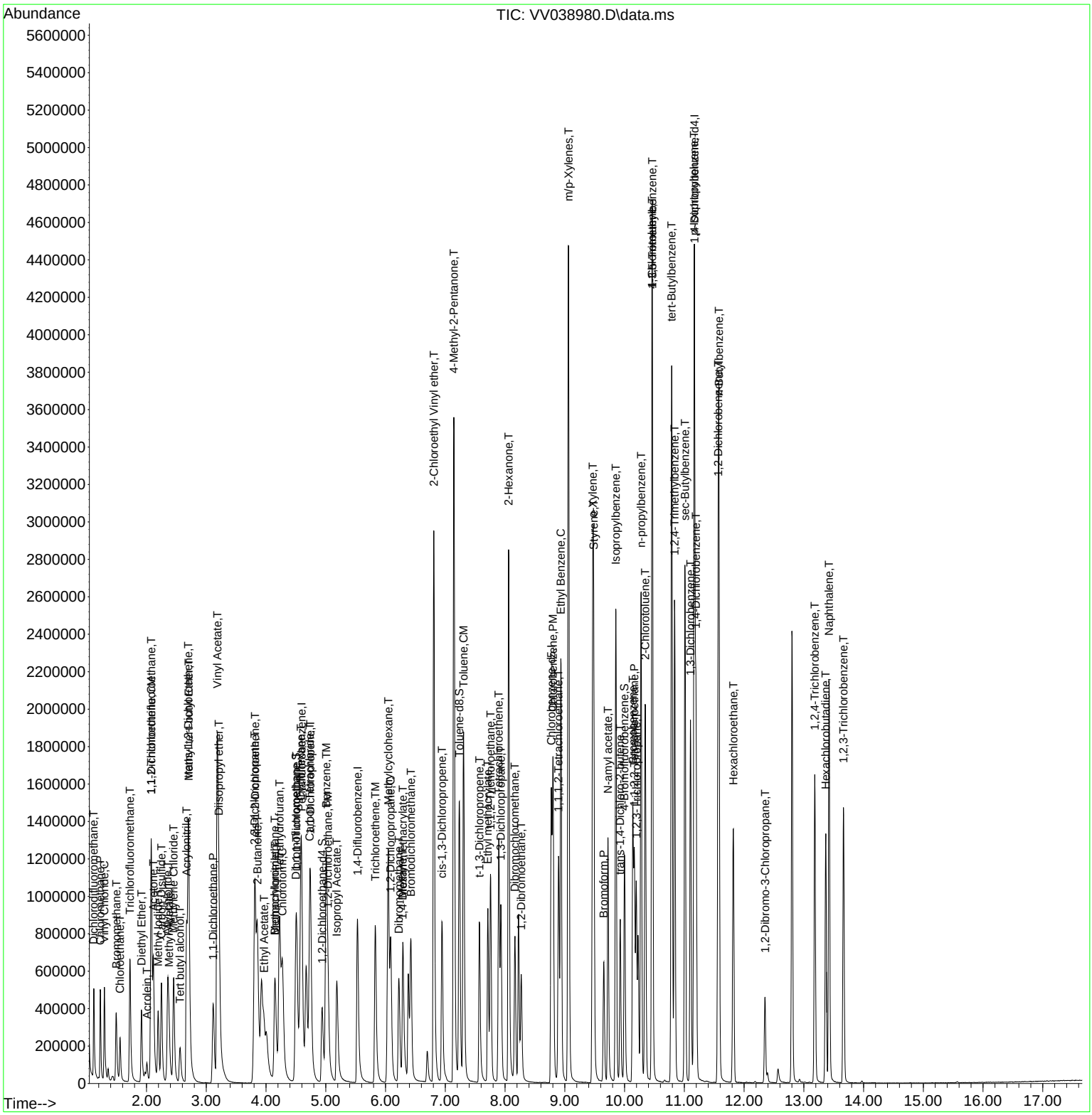
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038980.D
Acq On : 21 Aug 2025 12:56
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 22 04:19:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
ICVVV082125

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038980.D
Acq On : 21 Aug 2025 12:56
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ICVVV082125

Quant Time: Aug 22 04:19:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	121	0.00
2	T	Dichlorodifluoromethane	0.747	0.638	14.6	107	0.00
3	P	Chloromethane	0.772	0.660	14.5	104	0.00
4	C	Vinyl Chloride	0.815	0.712	12.6#	105	0.00
5	T	Bromomethane	0.440	0.383	13.0	104	0.00
6	T	Chloroethane	0.415	0.333	19.8	97	0.00
7	T	Trichlorofluoromethane	1.116	0.933	16.4	104	0.00
8	T	Diethyl Ether	0.343	0.299	12.8	114	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.616	0.504	18.2	110	0.00
10	T	Methyl Iodide	0.766	0.728	5.0	113	0.00
11	T	Tert butyl alcohol	0.095	0.089	6.3	115	0.00
12	CM	1,1-Dichloroethene	0.567	0.485	14.5#	110	0.00
13	T	Acrolein	0.041	0.029	29.3#	123	0.00
14	T	Allyl chloride	0.758	0.684	9.8	117	0.00
15	T	Acrylonitrile	0.287	0.269	6.3	119	0.00
16	T	Acetone	0.282	0.234	17.0	114	0.00
17	T	Carbon Disulfide	1.578	1.350	14.4	111	0.00
18	T	Methyl Acetate	0.597	0.564	5.5	122	0.00
19	T	Methyl tert-butyl Ether	1.678	1.656	1.3	117	0.00
20	T	Methylene Chloride	0.654	0.535	18.2	112	0.00
21	T	trans-1,2-Dichloroethene	0.591	0.520	12.0	110	0.00
22	T	Diisopropyl ether	1.664	1.466	11.9	123	0.00
23	T	Vinyl Acetate	1.335	1.253	6.1	124	0.00
24	P	1,1-Dichloroethane	1.102	0.900	18.3	116	0.00
25	T	2-Butanone	0.366	0.417	-13.9	152#	0.00
26	T	2,2-Dichloropropane	1.057	0.960	9.2	125	0.00
27	T	cis-1,2-Dichloroethene	0.713	0.707	0.8	134	0.00
28	T	Bromochloromethane	0.320	0.275	14.1	151#	0.00
29	T	Tetrahydrofuran	0.245	0.276	-12.7	159#	0.00
30	C	Chloroform	1.259	1.158	8.0#	128	0.00
31	T	Cyclohexane	0.983	0.964	1.9	145	0.00
32	T	1,1,1-Trichloroethane	1.183	1.052	11.1	123	0.00
33	S	1,2-Dichloroethane-d4	0.702	0.668	4.8	126	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	128	0.00
35	S	Dibromofluoromethane	0.375	0.350	6.7	129	0.00
36	T	1,1-Dichloropropene	0.487	0.479	1.6	135	0.00
37	T	Ethyl Acetate	0.476	0.516	-8.4	169#	0.00
38	T	Carbon Tetrachloride	0.652	0.570	12.6	118	0.00
39	T	Methylcyclohexane	0.622	0.646	-3.9	131	0.00
40	TM	Benzene	1.525	1.512	0.9	135	0.00
41	T	Methacrylonitrile	0.179	0.233	-30.2#	161#	0.00
42	TM	1,2-Dichloroethane	0.558	0.513	8.1	128	0.00
43	T	Isopropyl Acetate	0.726	0.805	-10.9	154#	0.00
44	TM	Trichloroethene	0.414	0.385	7.0	126	0.00
45	C	1,2-Dichloropropane	0.366	0.373	-1.9#	145	0.00
46	T	Dibromomethane	0.307	0.284	7.5	130	0.00
47	T	Bromodichloromethane	0.625	0.577	7.7	126	0.00
48	T	Methyl methacrylate	0.325	0.380	-16.9	149	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038980.D
Acq On : 21 Aug 2025 12:56
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ICVVV082125

Quant Time: Aug 22 04:19:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.005	0.006	-20.0	140	0.00
50	S	Toluene-d8	1.308	1.226	6.3	117	0.00
51	T	4-Methyl-2-Pentanone	0.477	0.526	-10.3	133	0.00
52	CM	Toluene	0.966	0.964	0.2#	115	0.00
53	T	t-1,3-Dichloropropene	0.584	0.589	-0.9	108	0.00
54	T	cis-1,3-Dichloropropene	0.605	0.632	-4.5	129	0.00
55	T	1,1,2-Trichloroethane	0.421	0.388	7.8	106	0.00
56	T	Ethyl methacrylate	0.494	0.585	-18.4	113	0.00
57	T	1,3-Dichloropropane	0.657	0.629	4.3	106	0.00
58	T	2-Chloroethyl Vinyl ether	0.248	0.310	-25.0#	134	0.00
59	T	2-Hexanone	0.355	0.392	-10.4	108	0.00
60	T	Dibromochloromethane	0.509	0.459	9.8	105	0.00
61	T	1,2-Dibromoethane	0.437	0.415	5.0	106	0.00
62	S	4-Bromofluorobenzene	0.478	0.464	2.9	106	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	106	0.00
64	T	Tetrachloroethene	0.372	0.356	4.3	104	0.00
65	PM	Chlorobenzene	1.206	1.142	5.3	105	0.00
66	T	1,1,1,2-Tetrachloroethane	0.433	0.408	5.8	104	0.00
67	C	Ethyl Benzene	1.840	1.928	-4.8#	105	0.00
68	T	m/p-Xylenes	0.715	0.766	-7.1	104	0.00
69	T	o-Xylene	0.651	0.715	-9.8	107	0.00
70	T	Styrene	1.118	1.269	-13.5	105	0.00
71	P	Bromoform	0.357	0.344	3.6	105	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
73	T	Isopropylbenzene	3.355	3.550	-5.8	105	0.00
74	T	N-amyl acetate	1.229	1.395	-13.5	110	0.00
75	P	1,1,2,2-Tetrachloroethane	1.332	1.193	10.4	106	0.00
76	T	1,2,3-Trichloropropane	0.927	0.910	1.8	105	0.00
77	T	Bromobenzene	0.862	0.857	0.6	105	0.00
78	T	n-propylbenzene	4.006	4.283	-6.9	104	0.00
79	T	2-Chlorotoluene	2.405	2.496	-3.8	104	0.00
80	T	1,3,5-Trimethylbenzene	2.824	3.048	-7.9	103	0.00
81	T	trans-1,4-Dichloro-2-butene	0.404	0.429	-6.2	105	0.00
82	T	4-Chlorotoluene	2.772	2.961	-6.8	102	0.00
83	T	tert-Butylbenzene	2.804	3.018	-7.6	105	0.00
84	T	1,2,4-Trimethylbenzene	2.702	3.045	-12.7	104	0.00
85	T	sec-Butylbenzene	3.646	3.952	-8.4	104	0.00
86	T	p-Isopropyltoluene	3.071	3.303	-7.6	102	0.00
87	T	1,3-Dichlorobenzene	1.702	1.684	1.1	102	0.00
88	T	1,4-Dichlorobenzene	1.816	1.739	4.2	103	0.00
89	T	n-Butylbenzene	2.992	3.181	-6.3	103	0.00
90	T	Hexachloroethane	0.710	0.641	9.7	102	0.00
91	T	1,2-Dichlorobenzene	1.623	1.604	1.2	104	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.259	0.259	0.0	108	0.00
93	T	1,2,4-Trichlorobenzene	0.969	1.035	-6.8	105	0.00
94	T	Hexachlorobutadiene	0.499	0.461	7.6	102	0.00
95	T	Naphthalene	3.057	3.590	-17.4	106	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038980.D
Acq On : 21 Aug 2025 12:56
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ICVVV082125

Quant Time: Aug 22 04:19:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.977	0.939	3.9	94	0.00

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038980.D
Acq On : 21 Aug 2025 12:56
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ICVVV082125

Quant Time: Aug 22 04:19:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	121	0.00
2	T	Dichlorodifluoromethane	50.000	42.710	14.6	107	0.00
3	P	Chloromethane	50.000	42.764	14.5	104	0.00
4	C	Vinyl Chloride	50.000	43.690	12.6#	105	0.00
5	T	Bromomethane	50.000	43.505	13.0	104	0.00
6	T	Chloroethane	50.000	40.090	19.8	97	0.00
7	T	Trichlorofluoromethane	50.000	41.782	16.4	104	0.00
8	T	Diethyl Ether	50.000	43.518	13.0	114	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	40.902	18.2	110	0.00
10	T	Methyl Iodide	50.000	47.484	5.0	113	0.00
11	T	Tert butyl alcohol	250.000	234.158	6.3	115	0.00
12	CM	1,1-Dichloroethene	50.000	42.747	14.5#	110	0.00
13	T	Acrolein	250.000	237.538	5.0	123	0.00
14	T	Allyl chloride	50.000	45.151	9.7	117	0.00
15	T	Acrylonitrile	250.000	234.076	6.4	119	0.00
16	T	Acetone	250.000	208.169	16.7	114	0.00
17	T	Carbon Disulfide	50.000	42.779	14.4	111	0.00
18	T	Methyl Acetate	50.000	47.286	5.4	122	0.00
19	T	Methyl tert-butyl Ether	50.000	49.349	1.3	117	0.00
20	T	Methylene Chloride	50.000	40.872	18.3	112	0.00
21	T	trans-1,2-Dichloroethene	50.000	43.985	12.0	110	0.00
22	T	Diisopropyl ether	50.000	44.077	11.8	123	0.00
23	T	Vinyl Acetate	250.000	234.596	6.2	124	0.00
24	P	1,1-Dichloroethane	50.000	40.860	18.3	116	0.00
25	T	2-Butanone	250.000	284.677	-13.9	152	0.00
26	T	2,2-Dichloropropane	50.000	45.420	9.2	125	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.539	0.9	134	0.00
28	T	Bromochloromethane	50.000	58.111	-16.2	151	0.00
29	T	Tetrahydrofuran	250.000	281.713	-12.7	159	0.00
30	C	Chloroform	50.000	45.988	8.0#	128	0.00
31	T	Cyclohexane	50.000	49.002	2.0	145	0.00
32	T	1,1,1-Trichloroethane	50.000	44.442	11.1	123	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.593	4.8	126	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	128	0.00
35	S	Dibromofluoromethane	50.000	46.635	6.7	129	0.00
36	T	1,1-Dichloropropene	50.000	49.222	1.6	135	0.00
37	T	Ethyl Acetate	50.000	54.265	-8.5	169	0.00
38	T	Carbon Tetrachloride	50.000	43.722	12.6	118	0.00
39	T	Methylcyclohexane	50.000	51.904	-3.8	131	0.00
40	TM	Benzene	50.000	49.579	0.8	135	0.00
41	T	Methacrylonitrile	50.000	64.871	-29.7#	161	0.00
42	TM	1,2-Dichloroethane	50.000	46.035	7.9	128	0.00
43	T	Isopropyl Acetate	50.000	55.426	-10.9	154	0.00
44	TM	Trichloroethene	50.000	46.541	6.9	126	0.00
45	C	1,2-Dichloropropane	50.000	51.027	-2.1#	145	0.00
46	T	Dibromomethane	50.000	46.305	7.4	130	0.00
47	T	Bromodichloromethane	50.000	46.169	7.7	126	0.00
48	T	Methyl methacrylate	50.000	58.402	-16.8	149	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038980.D
Acq On : 21 Aug 2025 12:56
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ICVVV082125

Quant Time: Aug 22 04:19:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1075.328	-7.5	140	0.00
50	S	Toluene-d8	50.000	46.869	6.3	117	0.00
51	T	4-Methyl-2-Pentanone	250.000	275.881	-10.4	133	0.00
52	CM	Toluene	50.000	49.913	0.2#	115	0.00
53	T	t-1,3-Dichloropropene	50.000	50.434	-0.9	108	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.213	-4.4	129	0.00
55	T	1,1,2-Trichloroethane	50.000	46.043	7.9	106	0.00
56	T	Ethyl methacrylate	50.000	45.941	8.1	113	0.00
57	T	1,3-Dichloropropane	50.000	47.922	4.2	106	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	260.454	-4.2	134	0.00
59	T	2-Hexanone	250.000	216.977	13.2	108	0.00
60	T	Dibromochloromethane	50.000	45.122	9.8	105	0.00
61	T	1,2-Dibromoethane	50.000	47.466	5.1	106	0.00
62	S	4-Bromofluorobenzene	50.000	48.508	3.0	106	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	106	0.00
64	T	Tetrachloroethene	50.000	47.826	4.3	104	0.00
65	PM	Chlorobenzene	50.000	47.369	5.3	105	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	47.173	5.7	104	0.00
67	C	Ethyl Benzene	50.000	52.378	-4.8#	105	0.00
68	T	m/p-Xylenes	100.000	107.238	-7.2	104	0.00
69	T	o-Xylene	50.000	54.895	-9.8	107	0.00
70	T	Styrene	50.000	56.752	-13.5	105	0.00
71	P	Bromoform	50.000	48.285	3.4	105	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	98	0.00
73	T	Isopropylbenzene	50.000	52.911	-5.8	105	0.00
74	T	N-amyl acetate	50.000	56.749	-13.5	110	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	44.753	10.5	106	0.00
76	T	1,2,3-Trichloropropane	50.000	49.059	1.9	105	0.00
77	T	Bromobenzene	50.000	49.700	0.6	105	0.00
78	T	n-propylbenzene	50.000	53.456	-6.9	104	0.00
79	T	2-Chlorotoluene	50.000	51.894	-3.8	104	0.00
80	T	1,3,5-Trimethylbenzene	50.000	53.976	-8.0	103	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	53.110	-6.2	105	0.00
82	T	4-Chlorotoluene	50.000	53.411	-6.8	102	0.00
83	T	tert-Butylbenzene	50.000	53.817	-7.6	105	0.00
84	T	1,2,4-Trimethylbenzene	50.000	56.349	-12.7	104	0.00
85	T	sec-Butylbenzene	50.000	54.194	-8.4	104	0.00
86	T	p-Isopropyltoluene	50.000	53.775	-7.5	102	0.00
87	T	1,3-Dichlorobenzene	50.000	49.478	1.0	102	0.00
88	T	1,4-Dichlorobenzene	50.000	47.896	4.2	103	0.00
89	T	n-Butylbenzene	50.000	53.170	-6.3	103	0.00
90	T	Hexachloroethane	50.000	45.178	9.6	102	0.00
91	T	1,2-Dichlorobenzene	50.000	49.400	1.2	104	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.973	0.1	108	0.00
93	T	1,2,4-Trichlorobenzene	50.000	53.420	-6.8	105	0.00
94	T	Hexachlorobutadiene	50.000	46.202	7.6	102	0.00
95	T	Naphthalene	50.000	58.733	-17.5	106	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038980.D
Acq On : 21 Aug 2025 12:56
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ICVVV082125

Quant Time: Aug 22 04:19:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	48.069	3.9	94	0.00

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

Raw Data: **VV038982.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:	AECO02
Lab Code:	ACE	SDG No.:	Q2924
Instrument ID:	MSVOA_V	Calibration Date/Time:	08/21/2025 15:42
Lab File ID:	VV038982.D	Init. Calib. Date(s):	08/21/2025 08/21/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:05 11:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.747	0.644		-13.79	20
Chloromethane	0.772	0.671	0.1	-13.08	20
Vinyl Chloride	0.815	0.716		-12.15	20
Bromomethane	0.440	0.434		-1.36	20
Chloroethane	0.415	0.391		-5.78	20
Trichlorofluoromethane	1.116	1.035		-7.26	20
1,1,2-Trichlorotrifluoroethane	0.616	0.554		-10.06	20
1,1-Dichloroethene	0.567	0.536		-5.47	20
Acetone	0.282	0.277		-1.77	20
Carbon Disulfide	1.578	1.548		-1.9	20
Methyl tert-butyl Ether	1.678	1.921		14.48	20
Methyl Acetate	0.597	0.750		25.63	20
Methylene Chloride	0.654	0.690		5.51	20
trans-1,2-Dichloroethene	0.591	0.641		8.46	20
1,1-Dichloroethane	1.102	1.114	0.1	1.09	20
Cyclohexane	0.983	0.959		-2.44	20
2-Butanone	0.366	0.416		13.66	20
Carbon Tetrachloride	0.652	0.600		-7.97	20
cis-1,2-Dichloroethene	0.713	0.718		0.7	20
Bromochloromethane	0.320	0.269		-15.94	20
Chloroform	1.259	1.201		-4.61	20
1,1,1-Trichloroethane	1.183	1.077		-8.96	20
Methylcyclohexane	0.622	0.666		7.07	20
Benzene	1.525	1.571		3.02	20
1,2-Dichloroethane	0.558	0.537		-3.76	20
Trichloroethene	0.414	0.401		-3.14	20
1,2-Dichloropropane	0.366	0.389		6.28	20
Bromodichloromethane	0.625	0.597		-4.48	20
4-Methyl-2-Pentanone	0.477	0.544		14.05	20
Toluene	0.966	1.015		5.07	20
t-1,3-Dichloropropene	0.584	0.604		3.42	20
cis-1,3-Dichloropropene	0.605	0.643		6.28	20
1,1,2-Trichloroethane	0.421	0.414		-1.66	20
2-Hexanone	0.355	0.405		14.09	20
Dibromochloromethane	0.509	0.477		-6.29	20
1,2-Dibromoethane	0.437	0.436		-0.23	20
Tetrachloroethene	0.372	0.377		1.34	20
Chlorobenzene	1.206	1.194	0.3	-1	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: **VV038982.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	AECO02
Lab Code:	ACE	SDG No.:	Q2924
Instrument ID:	MSVOA_V	Calibration Date/Time:	08/21/2025 15:42
Lab File ID:	VV038982.D	Init. Calib. Date(s):	08/21/2025 08/21/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:05 11:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.840	2.027		10.16	20
m/p-Xylenes	0.715	0.813		13.71	20
o-Xylene	0.651	0.749		15.05	20
Styrene	1.118	1.344		20.22	20
Bromoform	0.357	0.356	0.1	-0.28	20
Isopropylbenzene	3.355	3.588		6.95	20
1,1,2,2-Tetrachloroethane	1.332	1.201	0.3	-9.84	20
1,3-Dichlorobenzene	1.702	1.726		1.41	20
1,4-Dichlorobenzene	1.816	1.752		-3.52	20
1,2-Dichlorobenzene	1.623	1.634		0.68	20
1,2-Dibromo-3-Chloropropane	0.259	0.256		-1.16	20
1,2,4-Trichlorobenzene	0.969	1.048		8.15	20
1,2,3-Trichlorobenzene	0.977	1.075		10.03	20
1,2-Dichloroethane-d4	0.702	0.672		-4.27	20
Dibromofluoromethane	0.375	0.368		-1.87	20
Toluene-d8	1.308	1.282		-1.99	20
4-Bromofluorobenzene	0.478	0.486		1.67	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_V\DATA\VV082125\
Data File : VV038982.D
Acq On : 21 Aug 2025 15:42
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Quant Time: Aug 22 04:31:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.596	168	531490	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	833989	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	788137	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	452177	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	357200	47.897	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 95.800%			
35) Dibromofluoromethane	4.497	113	306725	49.041	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 98.080%			
50) Toluene-d8	7.233	98	1069148	49.022	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 98.040%			
62) 4-Bromofluorobenzene	10.001	95	405262	50.794	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 101.580%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	342476	43.105	ug/l	98
3) Chloromethane	1.227	50	356758	43.471	ug/l	99
4) Vinyl Chloride	1.294	62	380696	43.963	ug/l	99
5) Bromomethane	1.490	94	230805	49.319	ug/l	100
6) Chloroethane	1.558	64	207618	47.051	ug/l	98
7) Trichlorofluoromethane	1.722	101	549850	46.350	ug/l	99
8) Diethyl Ether	1.915	74	178116	48.824	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.079	101	294382	44.957	ug/l	99
10) Methyl Iodide	2.195	142	403340	49.509	ug/l	99
11) Tert butyl alcohol	2.561	59	281494	278.878	ug/l	98
12) 1,1-Dichloroethene	2.079	96	285119	47.267	ug/l	97
13) Acrolein	2.008	56	77199	234.958	ug/l	97
14) Allyl chloride	2.355	41	489815	60.818	ug/l	92
15) Acrylonitrile	2.670	53	885873	290.406	ug/l	100
16) Acetone	2.114	43	735795	245.822	ug/l	99
17) Carbon Disulfide	2.249	76	822910	49.049	ug/l	99
18) Methyl Acetate	2.375	43	398423	62.800	ug/l	94
19) Methyl tert-butyl Ether	2.706	73	1021253	57.258	ug/l	95
20) Methylene Chloride	2.455	84	366778	52.729	ug/l	91
21) trans-1,2-Dichloroethene	2.699	96	340758	54.238	ug/l	97
22) Diisopropyl ether	3.207	45	992852	56.148	ug/l	98
23) Vinyl Acetate	3.182	43	4090814	288.321	ug/l	96
24) 1,1-Dichloroethane	3.114	63	591902	50.533	ug/l	98
25) 2-Butanone	3.854	43	1105805	283.941	ug/l	98
26) 2,2-Dichloropropane	3.809	77	543775	48.394	ug/l	99
27) cis-1,2-Dichloroethene	3.815	96	381524	50.313	ug/l	97
28) Bromochloromethane	4.143	49	143149	56.970	ug/l	89
29) Tetrahydrofuran	4.227	42	719082	276.602	ug/l	92
30) Chloroform	4.275	83	638184	47.678	ug/l	100
31) Cyclohexane	4.580	56	509568	48.759	ug/l	95
32) 1,1,1-Trichloroethane	4.510	97	572373	45.515	ug/l	98
36) 1,1-Dichloropropene	4.741	75	408356	50.275	ug/l	98
37) Ethyl Acetate	3.966	43	428871	54.042	ug/l	97
38) Carbon Tetrachloride	4.731	117	500656	46.028	ug/l	97
39) Methylcyclohexane	6.046	83	555661	53.539	ug/l	96
40) Benzene	5.005	78	1310064	51.495	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038982.D
Acq On : 21 Aug 2025 15:42
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Quant Time: Aug 22 04:31:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.149	41	189119	63.242	ug/l		94
42) 1,2-Dichloroethane	5.037	62	447547	48.120	ug/l		99
43) Isopropyl Acetate	5.185	43	674425	55.696	ug/l		96
44) Trichloroethene	5.828	130	334828	48.520	ug/l		95
45) 1,2-Dichloropropane	6.085	63	324387	53.167	ug/l		99
46) Dibromomethane	6.223	93	246649	48.177	ug/l		97
47) Bromodichloromethane	6.423	83	497504	47.749	ug/l		98
48) Methyl methacrylate	6.291	41	316869	58.377	ug/l		93
49) 1,4-Dioxane	6.284	88	105683	1164.421	ug/l		98
51) 4-Methyl-2-Pentanone	7.143	43	2270370	285.555	ug/l		98
52) Toluene	7.307	92	846141	52.516	ug/l		99
53) t-1,3-Dichloropropene	7.571	75	503846	51.728	ug/l		100
54) cis-1,3-Dichloropropene	6.944	75	536147	53.126	ug/l		99
55) 1,1,2-Trichloroethane	7.757	97	345555	49.189	ug/l		99
56) Ethyl methacrylate	7.712	69	489047	46.056	ug/l		99
57) 1,3-Dichloropropane	7.931	76	551282	50.326	ug/l		99
58) 2-Chloroethyl Vinyl ether	6.808	63	1345575	270.565	ug/l		96
59) 2-Hexanone	8.059	43	1690220	224.805	ug/l		99
60) Dibromochloromethane	8.165	129	398227	46.946	ug/l		98
61) 1,2-Dibromoethane	8.271	107	363766	49.912	ug/l		99
64) Tetrachloroethene	7.895	164	297008	50.645	ug/l		100
65) Chlorobenzene	8.802	112	940992	49.519	ug/l		100
66) 1,1,1,2-Tetrachloroethane	8.895	131	334726	49.069	ug/l		99
67) Ethyl Benzene	8.934	91	1597667	55.074	ug/l		100
68) m/p-Xylenes	9.062	106	1282293	113.815	ug/l		100
69) o-Xylene	9.468	106	590206	57.475	ug/l		99
70) Styrene	9.484	104	1059046	60.112	ug/l		100
71) Bromoform	9.654	173	280545	49.915	ug/l	#	99
73) Isopropylbenzene	9.853	105	1622391	53.470	ug/l		100
74) N-amyl acetate	9.722	43	607714	54.667	ug/l		99
75) 1,1,2,2-Tetrachloroethane	10.165	83	543269	45.083	ug/l		97
76) 1,2,3-Trichloropropane	10.197	75	400812	47.788	ug/l		96
77) Bromobenzene	10.140	156	389490	49.961	ug/l		99
78) n-propylbenzene	10.278	91	1960269	54.110	ug/l		99
79) 2-Chlorotoluene	10.349	91	1156919	53.188	ug/l		99
80) 1,3,5-Trimethylbenzene	10.464	105	1400151	54.833	ug/l		99
81) trans-1,4-Dichloro-2-b...	9.927	75	190242	52.076	ug/l		96
82) 4-Chlorotoluene	10.461	91	1373621	54.791	ug/l		100
83) tert-Butylbenzene	10.789	119	1373358	54.165	ug/l		100
84) 1,2,4-Trimethylbenzene	10.837	105	1398463	57.229	ug/l		99
85) sec-Butylbenzene	11.011	105	1813510	54.997	ug/l		100
86) p-Isopropyltoluene	11.165	119	1540958	55.491	ug/l		100
87) 1,3-Dichlorobenzene	11.104	146	780470	50.700	ug/l		100
88) 1,4-Dichlorobenzene	11.197	146	792148	48.240	ug/l		98
89) n-Butylbenzene	11.580	91	1480179	54.710	ug/l		99
90) Hexachloroethane	11.818	117	301675	47.007	ug/l		99
91) 1,2-Dichlorobenzene	11.567	146	738684	50.324	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.352	75	115589	49.320	ug/l		99
93) 1,2,4-Trichlorobenzene	13.184	180	473764	54.087	ug/l		99
94) Hexachlorobutadiene	13.368	225	215797	47.789	ug/l		99
95) Naphthalene	13.422	128	1616722	58.487	ug/l		100
96) 1,2,3-Trichlorobenzene	13.667	180	485913	55.016	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038982.D
Acq On : 21 Aug 2025 15:42
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Quant Time: Aug 22 04:31:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

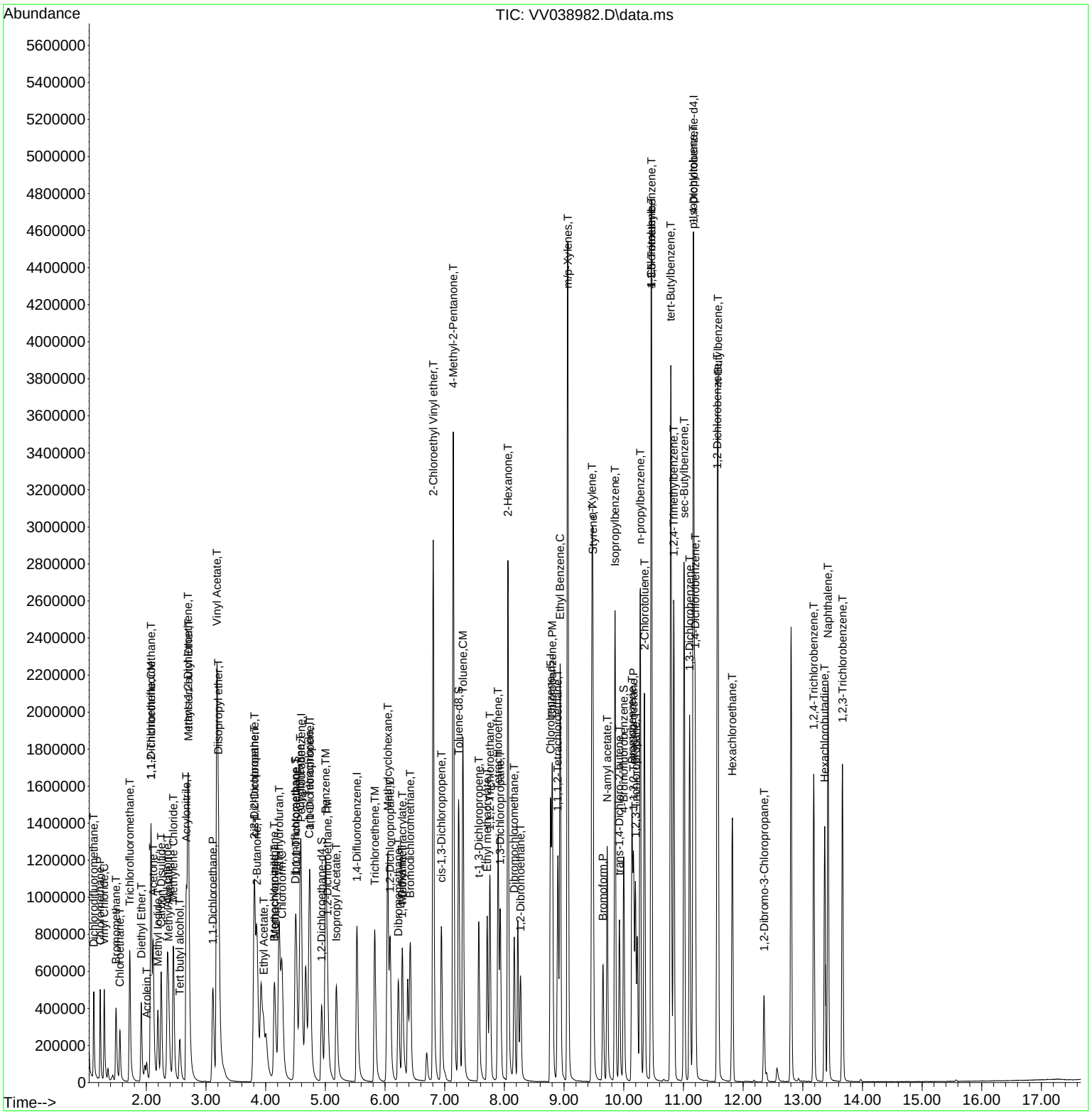
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038982.D
Acq On : 21 Aug 2025 15:42
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Quant Time: Aug 22 04:31:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration



Sample Results: **VV038982.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038982.D
Acq On : 21 Aug 2025 15:42
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC050

Quant Time: Aug 22 04:31:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	118	0.00
2	T	Dichlorodifluoromethane	0.747	0.644	13.8	106	0.00
3	P	Chloromethane	0.772	0.671	13.1	104	0.00
4	C	Vinyl Chloride	0.815	0.716	12.1#	103	0.00
5	T	Bromomethane	0.440	0.434	1.4	115	0.00
6	T	Chloroethane	0.415	0.391	5.8	112	0.00
7	T	Trichlorofluoromethane	1.116	1.035	7.3	113	0.00
8	T	Diethyl Ether	0.343	0.335	2.3	124	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.616	0.554	10.1	118	0.00
10	T	Methyl Iodide	0.766	0.759	0.9	115	0.00
11	T	Tert butyl alcohol	0.095	0.106	-11.6	134	0.00
12	CM	1,1-Dichloroethene	0.567	0.536	5.5#	118	0.00
13	T	Acrolein	0.041	0.029	29.3#	119	0.00
14	T	Allyl chloride	0.758	0.922	-21.6#	154#	0.00
15	T	Acrylonitrile	0.287	0.333	-16.0	145	0.00
16	T	Acetone	0.282	0.277	1.8	132	0.00
17	T	Carbon Disulfide	1.578	1.548	1.9	124	0.00
18	T	Methyl Acetate	0.597	0.750	-25.6#	159#	0.00
19	T	Methyl tert-butyl Ether	1.678	1.921	-14.5	133	0.00
20	T	Methylene Chloride	0.654	0.690	-5.5	141	0.00
21	T	trans-1,2-Dichloroethene	0.591	0.641	-8.5	133	0.00
22	T	Diisopropyl ether	1.664	1.868	-12.3	153#	0.00
23	T	Vinyl Acetate	1.335	1.539	-15.3	149	0.00
24	P	1,1-Dichloroethane	1.102	1.114	-1.1	140	0.00
25	T	2-Butanone	0.366	0.416	-13.7	148	0.00
26	T	2,2-Dichloropropane	1.057	1.023	3.2	130	0.00
27	T	cis-1,2-Dichloroethene	0.713	0.718	-0.7	133	0.00
28	T	Bromochloromethane	0.320	0.269	15.9	144	0.00
29	T	Tetrahydrofuran	0.245	0.271	-10.6	153#	0.00
30	C	Chloroform	1.259	1.201	4.6#	130	0.00
31	T	Cyclohexane	0.983	0.959	2.4	140	0.00
32	T	1,1,1-Trichloroethane	1.183	1.077	9.0	123	0.00
33	S	1,2-Dichloroethane-d4	0.702	0.672	4.3	124	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	121	0.00
35	S	Dibromofluoromethane	0.375	0.368	1.9	129	0.00
36	T	1,1-Dichloropropene	0.487	0.490	-0.6	131	0.00
37	T	Ethyl Acetate	0.476	0.514	-8.0	159#	0.00
38	T	Carbon Tetrachloride	0.652	0.600	8.0	118	0.00
39	T	Methylcyclohexane	0.622	0.666	-7.1	128	0.00
40	TM	Benzene	1.525	1.571	-3.0	133	0.00
41	T	Methacrylonitrile	0.179	0.227	-26.8#	149	0.00
42	TM	1,2-Dichloroethane	0.558	0.537	3.8	126	0.00
43	T	Isopropyl Acetate	0.726	0.809	-11.4	146	0.00
44	TM	Trichloroethene	0.414	0.401	3.1	124	0.00
45	C	1,2-Dichloropropane	0.366	0.389	-6.3#	143	0.00
46	T	Dibromomethane	0.307	0.296	3.6	128	0.00
47	T	Bromodichloromethane	0.625	0.597	4.5	124	0.00
48	T	Methyl methacrylate	0.325	0.380	-16.9	141	0.00

Sample Results: **VV038982.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038982.D
Acq On : 21 Aug 2025 15:42
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC050

Quant Time: Aug 22 04:31:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.005	0.006	-20.0	143	0.00
50	S	Toluene-d8	1.308	1.282	2.0	116	0.00
51	T	4-Methyl-2-Pentanone	0.477	0.544	-14.0	130	0.00
52	CM	Toluene	0.966	1.015	-5.1#	115	0.00
53	T	t-1,3-Dichloropropene	0.584	0.604	-3.4	105	0.00
54	T	cis-1,3-Dichloropropene	0.605	0.643	-6.3	124	0.00
55	T	1,1,2-Trichloroethane	0.421	0.414	1.7	107	0.00
56	T	Ethyl methacrylate	0.494	0.586	-18.6	107	0.00
57	T	1,3-Dichloropropane	0.657	0.661	-0.6	106	0.00
58	T	2-Chloroethyl Vinyl ether	0.248	0.323	-30.2#	132	0.00
59	T	2-Hexanone	0.355	0.405	-14.1	105	0.00
60	T	Dibromochloromethane	0.509	0.477	6.3	103	0.00
61	T	1,2-Dibromoethane	0.437	0.436	0.2	106	0.00
62	S	4-Bromofluorobenzene	0.478	0.486	-1.7	105	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
64	T	Tetrachloroethene	0.372	0.377	-1.3	105	0.00
65	PM	Chlorobenzene	1.206	1.194	1.0	104	0.00
66	T	1,1,1,2-Tetrachloroethane	0.433	0.425	1.8	103	0.00
67	C	Ethyl Benzene	1.840	2.027	-10.2#	105	0.00
68	T	m/p-Xylenes	0.715	0.813	-13.7	105	0.00
69	T	o-Xylene	0.651	0.749	-15.1	107	0.00
70	T	Styrene	1.118	1.344	-20.2#	106	0.00
71	P	Bromoform	0.357	0.356	0.3	103	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
73	T	Isopropylbenzene	3.355	3.588	-6.9	106	0.00
74	T	N-amyl acetate	1.229	1.344	-9.4	106	0.00
75	P	1,1,2,2-Tetrachloroethane	1.332	1.201	9.8	106	0.00
76	T	1,2,3-Trichloropropane	0.927	0.886	4.4	102	0.00
77	T	Bromobenzene	0.862	0.861	0.1	105	0.00
78	T	n-propylbenzene	4.006	4.335	-8.2	104	0.00
79	T	2-Chlorotoluene	2.405	2.559	-6.4	106	0.00
80	T	1,3,5-Trimethylbenzene	2.824	3.096	-9.6	104	0.00
81	T	trans-1,4-Dichloro-2-butene	0.404	0.421	-4.2	102	0.00
82	T	4-Chlorotoluene	2.772	3.038	-9.6	104	0.00
83	T	tert-Butylbenzene	2.804	3.037	-8.3	105	0.00
84	T	1,2,4-Trimethylbenzene	2.702	3.093	-14.5	105	0.00
85	T	sec-Butylbenzene	3.646	4.011	-10.0	105	0.00
86	T	p-Isopropyltoluene	3.071	3.408	-11.0	105	0.00
87	T	1,3-Dichlorobenzene	1.702	1.726	-1.4	104	0.00
88	T	1,4-Dichlorobenzene	1.816	1.752	3.5	103	0.00
89	T	n-Butylbenzene	2.992	3.273	-9.4	105	0.00
90	T	Hexachloroethane	0.710	0.667	6.1	105	0.00
91	T	1,2-Dichlorobenzene	1.623	1.634	-0.7	105	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.259	0.256	1.2	106	0.00
93	T	1,2,4-Trichlorobenzene	0.969	1.048	-8.2	105	0.00
94	T	Hexachlorobutadiene	0.499	0.477	4.4	105	0.00
95	T	Naphthalene	3.057	3.575	-16.9	105	0.00

Sample Results: **VV038982.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038982.D
Acq On : 21 Aug 2025 15:42
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC050

Quant Time: Aug 22 04:31:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.977	1.075	-10.0	107	0.00

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

Sample Results: **VV038982.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038982.D
Acq On : 21 Aug 2025 15:42
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC050

Quant Time: Aug 22 04:31:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	118	0.00
2	T	Dichlorodifluoromethane	50.000	43.105	13.8	106	0.00
3	P	Chloromethane	50.000	43.471	13.1	104	0.00
4	C	Vinyl Chloride	50.000	43.963	12.1#	103	0.00
5	T	Bromomethane	50.000	49.319	1.4	115	0.00
6	T	Chloroethane	50.000	47.051	5.9	112	0.00
7	T	Trichlorofluoromethane	50.000	46.350	7.3	113	0.00
8	T	Diethyl Ether	50.000	48.824	2.4	124	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	44.957	10.1	118	0.00
10	T	Methyl Iodide	50.000	49.509	1.0	115	0.00
11	T	Tert butyl alcohol	250.000	278.878	-11.6	134	0.00
12	CM	1,1-Dichloroethene	50.000	47.267	5.5#	118	0.00
13	T	Acrolein	250.000	234.958	6.0	119	0.00
14	T	Allyl chloride	50.000	60.818	-21.6#	154	0.00
15	T	Acrylonitrile	250.000	290.406	-16.2	145	0.00
16	T	Acetone	250.000	245.822	1.7	132	0.00
17	T	Carbon Disulfide	50.000	49.049	1.9	124	0.00
18	T	Methyl Acetate	50.000	62.800	-25.6#	159	0.00
19	T	Methyl tert-butyl Ether	50.000	57.258	-14.5	133	0.00
20	T	Methylene Chloride	50.000	52.729	-5.5	141	0.00
21	T	trans-1,2-Dichloroethene	50.000	54.238	-8.5	133	0.00
22	T	Diisopropyl ether	50.000	56.148	-12.3	153	0.00
23	T	Vinyl Acetate	250.000	288.321	-15.3	149	0.00
24	P	1,1-Dichloroethane	50.000	50.533	-1.1	140	0.00
25	T	2-Butanone	250.000	283.941	-13.6	148	0.00
26	T	2,2-Dichloropropane	50.000	48.394	3.2	130	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.313	-0.6	133	0.00
28	T	Bromochloromethane	50.000	56.970	-13.9	144	0.00
29	T	Tetrahydrofuran	250.000	276.602	-10.6	153	0.00
30	C	Chloroform	50.000	47.678	4.6#	130	0.00
31	T	Cyclohexane	50.000	48.759	2.5	140	0.00
32	T	1,1,1-Trichloroethane	50.000	45.515	9.0	123	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.897	4.2	124	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	121	0.00
35	S	Dibromofluoromethane	50.000	49.041	1.9	129	0.00
36	T	1,1-Dichloropropene	50.000	50.275	-0.5	131	0.00
37	T	Ethyl Acetate	50.000	54.042	-8.1	159	0.00
38	T	Carbon Tetrachloride	50.000	46.028	7.9	118	0.00
39	T	Methylcyclohexane	50.000	53.539	-7.1	128	0.00
40	TM	Benzene	50.000	51.495	-3.0	133	0.00
41	T	Methacrylonitrile	50.000	63.242	-26.5#	149	0.00
42	TM	1,2-Dichloroethane	50.000	48.120	3.8	126	0.00
43	T	Isopropyl Acetate	50.000	55.696	-11.4	146	0.00
44	TM	Trichloroethene	50.000	48.520	3.0	124	0.00
45	C	1,2-Dichloropropane	50.000	53.167	-6.3#	143	0.00
46	T	Dibromomethane	50.000	48.177	3.6	128	0.00
47	T	Bromodichloromethane	50.000	47.749	4.5	124	0.00
48	T	Methyl methacrylate	50.000	58.377	-16.8	141	0.00

Sample Results: **VV038982.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038982.D
Acq On : 21 Aug 2025 15:42
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC050

Quant Time: Aug 22 04:31:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1164.421	-16.4	143	0.00
50	S	Toluene-d8	50.000	49.022	2.0	116	0.00
51	T	4-Methyl-2-Pentanone	250.000	285.555	-14.2	130	0.00
52	CM	Toluene	50.000	52.516	-5.0#	115	0.00
53	T	t-1,3-Dichloropropene	50.000	51.728	-3.5	105	0.00
54	T	cis-1,3-Dichloropropene	50.000	53.126	-6.3	124	0.00
55	T	1,1,2-Trichloroethane	50.000	49.189	1.6	107	0.00
56	T	Ethyl methacrylate	50.000	46.056	7.9	107	0.00
57	T	1,3-Dichloropropane	50.000	50.326	-0.7	106	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	270.565	-8.2	132	0.00
59	T	2-Hexanone	250.000	224.805	10.1	105	0.00
60	T	Dibromochloromethane	50.000	46.946	6.1	103	0.00
61	T	1,2-Dibromoethane	50.000	49.912	0.2	106	0.00
62	S	4-Bromofluorobenzene	50.000	50.794	-1.6	105	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	101	0.00
64	T	Tetrachloroethene	50.000	50.645	-1.3	105	0.00
65	PM	Chlorobenzene	50.000	49.519	1.0	104	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.069	1.9	103	0.00
67	C	Ethyl Benzene	50.000	55.074	-10.1#	105	0.00
68	T	m/p-Xylenes	100.000	113.815	-13.8	105	0.00
69	T	o-Xylene	50.000	57.475	-15.0	107	0.00
70	T	Styrene	50.000	60.112	-20.2#	106	0.00
71	P	Bromoform	50.000	49.915	0.2	103	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	98	0.00
73	T	Isopropylbenzene	50.000	53.470	-6.9	106	0.00
74	T	N-amyl acetate	50.000	54.667	-9.3	106	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	45.083	9.8	106	0.00
76	T	1,2,3-Trichloropropane	50.000	47.788	4.4	102	0.00
77	T	Bromobenzene	50.000	49.961	0.1	105	0.00
78	T	n-propylbenzene	50.000	54.110	-8.2	104	0.00
79	T	2-Chlorotoluene	50.000	53.188	-6.4	106	0.00
80	T	1,3,5-Trimethylbenzene	50.000	54.833	-9.7	104	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	52.076	-4.2	102	0.00
82	T	4-Chlorotoluene	50.000	54.791	-9.6	104	0.00
83	T	tert-Butylbenzene	50.000	54.165	-8.3	105	0.00
84	T	1,2,4-Trimethylbenzene	50.000	57.229	-14.5	105	0.00
85	T	sec-Butylbenzene	50.000	54.997	-10.0	105	0.00
86	T	p-Isopropyltoluene	50.000	55.491	-11.0	105	0.00
87	T	1,3-Dichlorobenzene	50.000	50.700	-1.4	104	0.00
88	T	1,4-Dichlorobenzene	50.000	48.240	3.5	103	0.00
89	T	n-Butylbenzene	50.000	54.710	-9.4	105	0.00
90	T	Hexachloroethane	50.000	47.007	6.0	105	0.00
91	T	1,2-Dichlorobenzene	50.000	50.324	-0.6	105	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.320	1.4	106	0.00
93	T	1,2,4-Trichlorobenzene	50.000	54.087	-8.2	105	0.00
94	T	Hexachlorobutadiene	50.000	47.789	4.4	105	0.00
95	T	Naphthalene	50.000	58.487	-17.0	105	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038982.D
Acq On : 21 Aug 2025 15:42
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC050

Quant Time: Aug 22 04:31:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	55.016	-10.0	107	0.00

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

Raw Data: **VV039009.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG No.: Q2924
Instrument ID: MSVOA_V
Calibration Date/Time: 08/22/2025 09:03
Lab File ID: VV039009.D
Init. Calib. Date(s): 08/21/2025 08/21/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:05 11:45
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.747	0.601		-19.55	20
Chloromethane	0.772	0.585	0.1	-24.22	20
Vinyl Chloride	0.815	0.691		-15.22	20
Bromomethane	0.440	0.347		-21.14	20
Chloroethane	0.415	0.469		13.01	20
Trichlorofluoromethane	1.116	1.051		-5.82	20
1,1,2-Trichlorotrifluoroethane	0.616	0.640		3.9	20
1,1-Dichloroethene	0.567	0.607		7.05	20
Acetone	0.282	0.366		29.79	20
Carbon Disulfide	1.578	1.789		13.31	20
Methyl tert-butyl Ether	1.678	2.087		24.37	20
Methyl Acetate	0.597	0.801		34.17	20
Methylene Chloride	0.654	0.668		2.14	20
trans-1,2-Dichloroethene	0.591	0.630		6.6	20
1,1-Dichloroethane	1.102	1.141	0.1	3.54	20
Cyclohexane	0.983	1.041		5.9	20
2-Butanone	0.366	0.460		25.68	20
Carbon Tetrachloride	0.652	0.526		-19.33	20
cis-1,2-Dichloroethene	0.713	0.751		5.33	20
Bromochloromethane	0.320	0.277		-13.44	20
Chloroform	1.259	1.179		-6.35	20
1,1,1-Trichloroethane	1.183	1.068		-9.72	20
Methylcyclohexane	0.622	0.651		4.66	20
Benzene	1.525	1.478		-3.08	20
1,2-Dichloroethane	0.558	0.490		-12.19	20
Trichloroethene	0.414	0.376		-9.18	20
1,2-Dichloropropane	0.366	0.371		1.37	20
Bromodichloromethane	0.625	0.561		-10.24	20
4-Methyl-2-Pentanone	0.477	0.534		11.95	20
Toluene	0.966	0.942		-2.48	20
t-1,3-Dichloropropene	0.584	0.588		0.69	20
cis-1,3-Dichloropropene	0.605	0.623		2.97	20
1,1,2-Trichloroethane	0.421	0.375		-10.93	20
2-Hexanone	0.355	0.396		11.55	20
Dibromochloromethane	0.509	0.441		-13.36	20
1,2-Dibromoethane	0.437	0.409		-6.41	20
Tetrachloroethene	0.372	0.348		-6.45	20
Chlorobenzene	1.206	1.155	0.3	-4.23	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: **VV039009.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	AECO02
Lab Code:	ACE	SDG No.:	Q2924
Instrument ID:	MSVOA_V	Calibration Date/Time:	08/22/2025 09:03
Lab File ID:	VV039009.D	Init. Calib. Date(s):	08/21/2025 08/21/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:05 11:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.840	2.002		8.8	20
m/p-Xylenes	0.715	0.770		7.69	20
o-Xylene	0.651	0.736		13.06	20
Styrene	1.118	1.245		11.36	20
Bromoform	0.357	0.338	0.1	-5.32	20
Isopropylbenzene	3.355	3.778		12.61	20
1,1,2,2-Tetrachloroethane	1.332	1.280	0.3	-3.9	20
1,3-Dichlorobenzene	1.702	1.744		2.47	20
1,4-Dichlorobenzene	1.816	1.769		-2.59	20
1,2-Dichlorobenzene	1.623	1.615		-0.49	20
1,2-Dibromo-3-Chloropropane	0.259	0.274		5.79	20
1,2,4-Trichlorobenzene	0.969	1.043		7.64	20
1,2,3-Trichlorobenzene	0.977	1.083		10.85	20
1,2-Dichloroethane-d4	0.702	0.659		-6.13	20
Dibromofluoromethane	0.375	0.333		-11.2	20
Toluene-d8	1.308	1.155		-11.7	20
4-Bromofluorobenzene	0.478	0.443		-7.32	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_V\DATA\VV082225\
Data File : VV039009.D
Acq On : 22 Aug 2025 09:03
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Quant Time: Aug 25 02:18:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.597	168	735484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	1263798	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1133330	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	587247	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	484915	46.987	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 93.980%			
35) Dibromofluoromethane	4.497	113	420445	44.361	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 88.720%			
50) Toluene-d8	7.233	98	1459428	44.158	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 88.320%#			
62) 4-Bromofluorobenzene	9.998	95	559387	46.267	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 92.540%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	441905	40.193	ug/l	98
3) Chloromethane	1.230	50	430616	37.917	ug/l	99
4) Vinyl Chloride	1.294	62	508177	42.408	ug/l	97
5) Bromomethane	1.491	94	255375	39.434	ug/l	98
6) Chloroethane	1.558	64	344904	56.484	ug/l	99
7) Trichlorofluoromethane	1.722	101	772663	47.068	ug/l	99
8) Diethyl Ether	1.915	74	304837	60.384	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.079	101	470637	51.939	ug/l	93
10) Methyl Iodide	2.195	142	536425	47.582	ug/l	95
11) Tert butyl alcohol	2.561	59	457639	327.635	ug/l	99
12) 1,1-Dichloroethene	2.079	96	446677	53.512	ug/l	92
13) Acrolein	2.005	56	152831	344.609	ug/l	94
14) Allyl chloride	2.356	41	707837	63.512	ug/l	92
15) Acrylonitrile	2.671	53	1330781	315.255	ug/l	99
16) Acetone	2.114	43	1346373	325.050	ug/l	100
17) Carbon Disulfide	2.249	76	1315411	56.658	ug/l	99
18) Methyl Acetate	2.375	43	589312	67.125	ug/l	93
19) Methyl tert-butyl Ether	2.706	73	1535103	62.196	ug/l	97
20) Methylene Chloride	2.455	84	491090	51.019	ug/l	93
21) trans-1,2-Dichloroethene	2.700	96	463055	53.261	ug/l	96
22) Diisopropyl ether	3.208	45	1467999	59.993	ug/l	97
23) Vinyl Acetate	3.182	43	6226543	317.129	ug/l	96
24) 1,1-Dichloroethane	3.118	63	838824	51.751	ug/l	97
25) 2-Butanone	3.854	43	1690277	313.639	ug/l	98
26) 2,2-Dichloropropane	3.809	77	744857	47.904	ug/l	100
27) cis-1,2-Dichloroethene	3.815	96	552593	52.661	ug/l	96
28) Bromochloromethane	4.143	49	203759	58.409	ug/l	85
29) Tetrahydrofuran	4.227	42	1097751	305.143	ug/l	91
30) Chloroform	4.275	83	866770	46.795	ug/l	99
31) Cyclohexane	4.580	56	765473	52.931	ug/l	92
32) 1,1,1-Trichloroethane	4.510	97	785698	45.149	ug/l	98
36) 1,1-Dichloropropene	4.741	75	594967	48.338	ug/l	97
37) Ethyl Acetate	3.966	43	648648	53.938	ug/l	97
38) Carbon Tetrachloride	4.732	117	665125	40.352	ug/l	99
39) Methylcyclohexane	6.043	83	822584	52.302	ug/l	96
40) Benzene	5.005	78	1868498	48.468	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082225\
Data File : VV039009.D
Acq On : 22 Aug 2025 09:03
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Quant Time: Aug 25 02:18:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.153	41	294356	64.957	ug/l	92
42) 1,2-Dichloroethane	5.037	62	619719	43.971	ug/l	99
43) Isopropyl Acetate	5.185	43	1042203	56.797	ug/l	98
44) Trichloroethene	5.828	130	474890	45.413	ug/l	92
45) 1,2-Dichloropropane	6.085	63	468870	50.712	ug/l	100
46) Dibromomethane	6.224	93	347391	44.778	ug/l	97
47) Bromodichloromethane	6.423	83	709496	44.936	ug/l	98
48) Methyl methacrylate	6.291	41	494597	60.130	ug/l	91
49) 1,4-Dioxane	6.285	88	173330	1260.263	ug/l	98
51) 4-Methyl-2-Pentanone	7.143	43	3375418	280.159	ug/l	99
52) Toluene	7.307	92	1190743	48.770	ug/l	99
53) t-1,3-Dichloropropene	7.571	75	742660	50.315	ug/l	99
54) cis-1,3-Dichloropropene	6.944	75	787540	51.496	ug/l	99
55) 1,1,2-Trichloroethane	7.757	97	474162	44.541	ug/l	99
56) Ethyl methacrylate	7.712	69	764269	47.517	ug/l	99
57) 1,3-Dichloropropane	7.931	76	790543	47.624	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.805	63	1966238	261.458	ug/l	95
59) 2-Hexanone	8.059	43	2499458	218.888	ug/l	100
60) Dibromochloromethane	8.166	129	557546	43.375	ug/l	100
61) 1,2-Dibromoethane	8.272	107	516305	46.749	ug/l	98
64) Tetrachloroethene	7.895	164	394392	46.768	ug/l	98
65) Chlorobenzene	8.802	112	1309485	47.922	ug/l	99
66) 1,1,1,2-Tetrachloroethane	8.895	131	457543	46.644	ug/l	99
67) Ethyl Benzene	8.934	91	2268847	54.389	ug/l	100
68) m/p-Xylenes	9.059	106	1745146	107.718	ug/l	100
69) o-Xylene	9.465	106	834605	56.520	ug/l	100
70) Styrene	9.484	104	1410898	55.692	ug/l	99
71) Bromoform	9.651	173	383518	47.453	ug/l	99
73) Isopropylbenzene	9.854	105	2218800	56.306	ug/l	100
74) N-amyl acetate	9.722	43	929708	64.396	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.165	83	751652	48.029	ug/l	99
76) 1,2,3-Trichloropropane	10.194	75	557967	51.224	ug/l	97
77) Bromobenzene	10.140	156	521786	51.537	ug/l	97
78) n-propylbenzene	10.275	91	2687980	57.132	ug/l	100
79) 2-Chlorotoluene	10.346	91	1660553	58.783	ug/l	98
80) 1,3,5-Trimethylbenzene	10.464	105	1955734	58.975	ug/l	100
81) trans-1,4-Dichloro-2-b...	9.928	75	269045	56.708	ug/l	99
82) 4-Chlorotoluene	10.461	91	1903644	58.468	ug/l	98
83) tert-Butylbenzene	10.789	119	1932135	58.676	ug/l	98
84) 1,2,4-Trimethylbenzene	10.837	105	1930325	60.825	ug/l	98
85) sec-Butylbenzene	11.011	105	2512016	58.658	ug/l	99
86) p-Isopropyltoluene	11.165	119	2083608	57.774	ug/l	99
87) 1,3-Dichlorobenzene	11.104	146	1024298	51.235	ug/l	99
88) 1,4-Dichlorobenzene	11.194	146	1038812	48.711	ug/l	100
89) n-Butylbenzene	11.580	91	1881120	53.537	ug/l	99
90) Hexachloroethane	11.821	117	379173	45.493	ug/l	99
91) 1,2-Dichlorobenzene	11.564	146	948293	49.745	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.349	75	160839	52.843	ug/l	97
93) 1,2,4-Trichlorobenzene	13.185	180	612379	53.831	ug/l	99
94) Hexachlorobutadiene	13.368	225	257257	43.866	ug/l	98
95) Naphthalene	13.423	128	2231593	62.163	ug/l	99
96) 1,2,3-Trichlorobenzene	13.667	180	635892	55.437	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082225\
Data File : VV039009.D
Acq On : 22 Aug 2025 09:03
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Quant Time: Aug 25 02:18:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

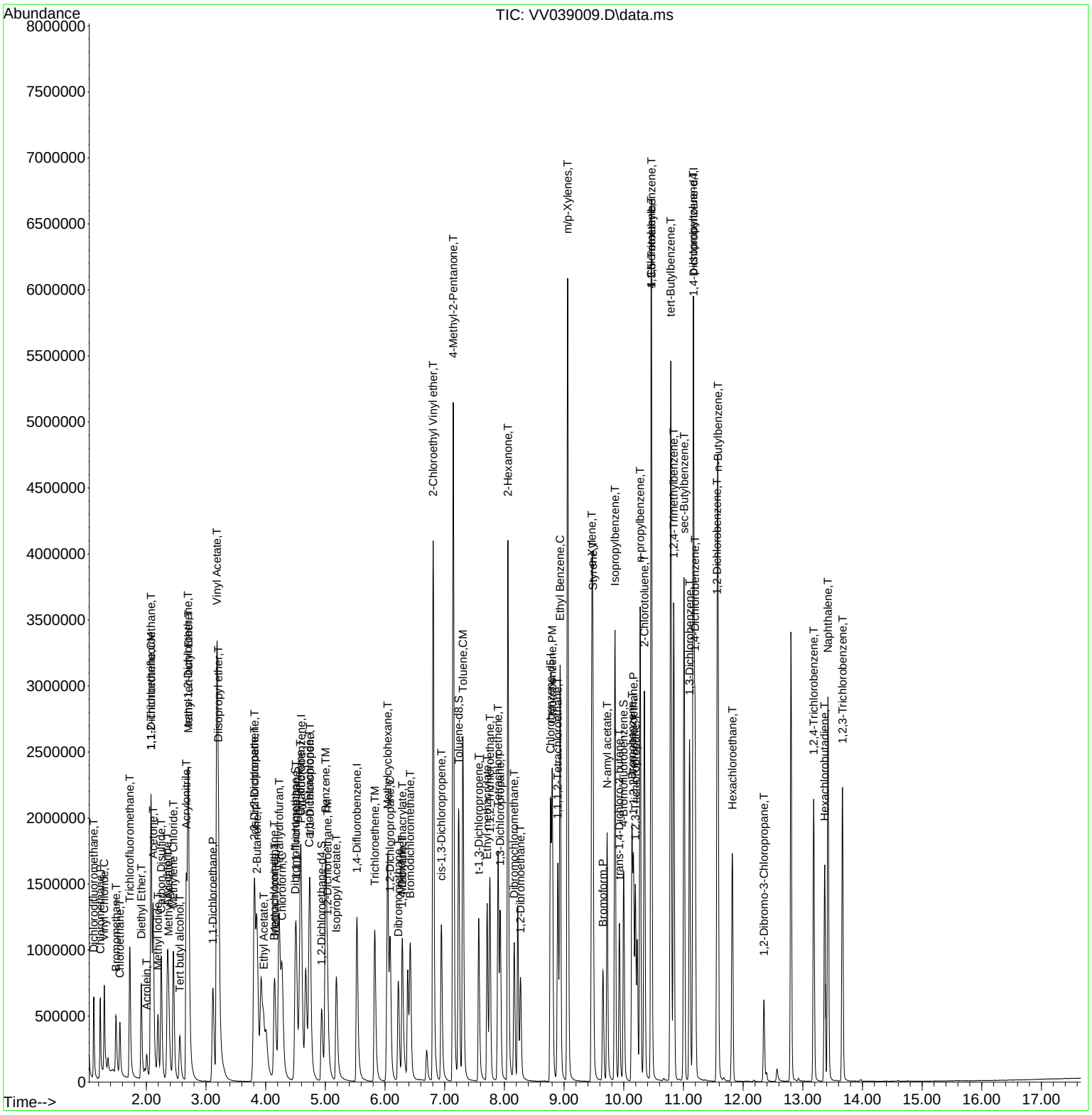
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082225\
Data File : VV039009.D
Acq On : 22 Aug 2025 09:03
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Quant Time: Aug 25 02:18:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration



Sample Results: **VV039009.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082225\
Data File : VV039009.D
Acq On : 22 Aug 2025 09:03
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC050

Quant Time: Aug 25 02:18:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	164#	0.00
2	T	Dichlorodifluoromethane	0.747	0.601	19.5	136	0.00
3	P	Chloromethane	0.772	0.585	24.2#	125	0.00
4	C	Vinyl Chloride	0.815	0.691	15.2#	138	0.00
5	T	Bromomethane	0.440	0.347	21.1#	127	0.00
6	T	Chloroethane	0.415	0.469	-13.0	186#	0.00
7	T	Trichlorofluoromethane	1.116	1.051	5.8	158#	0.00
8	T	Diethyl Ether	0.343	0.414	-20.7#	213#	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.616	0.640	-3.9	189#	0.00
10	T	Methyl Iodide	0.766	0.729	4.8	153#	0.00
11	T	Tert butyl alcohol	0.095	0.124	-30.5#	217#	0.00
12	CM	1,1-Dichloroethene	0.567	0.607	-7.1#	186#	0.00
13	T	Acrolein	0.041	0.042	-2.4	235#	0.00
14	T	Allyl chloride	0.758	0.962	-26.9#	222#	0.00
15	T	Acrylonitrile	0.287	0.362	-26.1#	217#	0.00
16	T	Acetone	0.282	0.366	-29.8#	241#	0.00
17	T	Carbon Disulfide	1.578	1.788	-13.3	199#	0.00
18	T	Methyl Acetate	0.597	0.801	-34.2#	234#	0.00
19	T	Methyl tert-butyl Ether	1.678	2.087	-24.4#	199#	0.00
20	T	Methylene Chloride	0.654	0.668	-2.1	188#	0.00
21	T	trans-1,2-Dichloroethene	0.591	0.630	-6.6	180#	0.00
22	T	Diisopropyl ether	1.664	1.996	-20.0	226#	0.00
23	T	Vinyl Acetate	1.335	1.693	-26.8#	226#	0.00
24	P	1,1-Dichloroethane	1.102	1.141	-3.5	199#	0.00
25	T	2-Butanone	0.366	0.460	-25.7#	227#	0.00
26	T	2,2-Dichloropropane	1.057	1.013	4.2	178#	0.00
27	T	cis-1,2-Dichloroethene	0.713	0.751	-5.3	192#	0.00
28	T	Bromochloromethane	0.320	0.277	13.4	205#	0.00
29	T	Tetrahydrofuran	0.245	0.299	-22.0#	234#	0.00
30	C	Chloroform	1.259	1.179	6.4#	176#	0.00
31	T	Cyclohexane	0.983	1.041	-5.9	211#	0.00
32	T	1,1,1-Trichloroethane	1.183	1.068	9.7	169#	0.00
33	S	1,2-Dichloroethane-d4	0.702	0.659	6.1	168#	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	183#	0.00
35	S	Dibromofluoromethane	0.375	0.333	11.2	176#	0.00
36	T	1,1-Dichloropropene	0.487	0.471	3.3	191#	0.00
37	T	Ethyl Acetate	0.476	0.513	-7.8	241#	0.00
38	T	Carbon Tetrachloride	0.652	0.526	19.3	157#	0.00
39	T	Methylcyclohexane	0.622	0.651	-4.7	189#	0.00
40	TM	Benzene	1.525	1.478	3.1	189#	0.00
41	T	Methacrylonitrile	0.179	0.233	-30.2#	231#	0.00
42	TM	1,2-Dichloroethane	0.558	0.490	12.2	175#	0.00
43	T	Isopropyl Acetate	0.726	0.825	-13.6	226#	0.00
44	TM	Trichloroethene	0.414	0.376	9.2	176#	0.00
45	C	1,2-Dichloropropane	0.366	0.371	-1.4#	206#	0.00
46	T	Dibromomethane	0.307	0.275	10.4	180#	0.00
47	T	Bromodichloromethane	0.625	0.561	10.2	176#	0.00
48	T	Methyl methacrylate	0.325	0.391	-20.3#	220#	0.00

Sample Results: **VV039009.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082225\
Data File : VV039009.D
Acq On : 22 Aug 2025 09:03
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC050

Quant Time: Aug 25 02:18:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.005	0.007	-40.0#	235#	0.00
50	S	Toluene-d8	1.308	1.155	11.7	158#	0.00
51	T	4-Methyl-2-Pentanone	0.477	0.534	-11.9	194#	0.00
52	CM	Toluene	0.966	0.942	2.5#	161#	0.00
53	T	t-1,3-Dichloropropene	0.584	0.588	-0.7	155#	0.00
54	T	cis-1,3-Dichloropropene	0.605	0.623	-3.0	182#	0.00
55	T	1,1,2-Trichloroethane	0.421	0.375	10.9	147	0.00
56	T	Ethyl methacrylate	0.494	0.605	-22.5#	167#	0.00
57	T	1,3-Dichloropropane	0.657	0.626	4.7	152#	0.00
58	T	2-Chloroethyl Vinyl ether	0.248	0.311	-25.4#	193#	0.00
59	T	2-Hexanone	0.355	0.396	-11.5	156#	0.00
60	T	Dibromochloromethane	0.509	0.441	13.4	145	0.00
61	T	1,2-Dibromoethane	0.437	0.409	6.4	150#	0.00
62	S	4-Bromofluorobenzene	0.478	0.443	7.3	145	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	146	0.00
64	T	Tetrachloroethene	0.372	0.348	6.5	139	0.00
65	PM	Chlorobenzene	1.206	1.155	4.2	145	0.00
66	T	1,1,1,2-Tetrachloroethane	0.433	0.404	6.7	140	0.00
67	C	Ethyl Benzene	1.840	2.002	-8.8#	150	0.00
68	T	m/p-Xylenes	0.715	0.770	-7.7	143	0.00
69	T	o-Xylene	0.651	0.736	-13.1	151#	0.00
70	T	Styrene	1.118	1.245	-11.4	141	0.00
71	P	Bromoform	0.357	0.338	5.3	141	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	127	0.00
73	T	Isopropylbenzene	3.355	3.778	-12.6	144	0.00
74	T	N-amyl acetate	1.229	1.583	-28.8#	162#	0.00
75	P	1,1,2,2-Tetrachloroethane	1.332	1.280	3.9	146	0.00
76	T	1,2,3-Trichloropropane	0.927	0.950	-2.5	142	0.00
77	T	Bromobenzene	0.862	0.889	-3.1	140	0.00
78	T	n-propylbenzene	4.006	4.577	-14.3	143	0.00
79	T	2-Chlorotoluene	2.405	2.828	-17.6	152#	0.00
80	T	1,3,5-Trimethylbenzene	2.824	3.330	-17.9	145	0.00
81	T	trans-1,4-Dichloro-2-butene	0.404	0.458	-13.4	144	0.00
82	T	4-Chlorotoluene	2.772	3.242	-17.0	145	0.00
83	T	tert-Butylbenzene	2.804	3.290	-17.3	148	0.00
84	T	1,2,4-Trimethylbenzene	2.702	3.287	-21.7#	145	0.00
85	T	sec-Butylbenzene	3.646	4.278	-17.3	146	0.00
86	T	p-Isopropyltoluene	3.071	3.548	-15.5	142	0.00
87	T	1,3-Dichlorobenzene	1.702	1.744	-2.5	137	0.00
88	T	1,4-Dichlorobenzene	1.816	1.769	2.6	135	0.00
89	T	n-Butylbenzene	2.992	3.203	-7.1	134	0.00
90	T	Hexachloroethane	0.710	0.646	9.0	132	0.00
91	T	1,2-Dichlorobenzene	1.623	1.615	0.5	135	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.259	0.274	-5.8	148	0.00
93	T	1,2,4-Trichlorobenzene	0.969	1.043	-7.6	136	0.00
94	T	Hexachlorobutadiene	0.499	0.438	12.2	125	0.00
95	T	Naphthalene	3.057	3.800	-24.3#	145	0.00

Sample Results: **VV039009.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082225\
Data File : VV039009.D
Acq On : 22 Aug 2025 09:03
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC050

Quant Time: Aug 25 02:18:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.977	1.083	-10.8	140	0.00

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

Sample Results: **VV039009.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082225\
Data File : VV039009.D
Acq On : 22 Aug 2025 09:03
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC050

Quant Time: Aug 25 02:18:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	164	0.00
2	T	Dichlorodifluoromethane	50.000	40.193	19.6	136	0.00
3	P	Chloromethane	50.000	37.917	24.2#	125	0.00
4	C	Vinyl Chloride	50.000	42.408	15.2#	138	0.00
5	T	Bromomethane	50.000	39.434	21.1#	127	0.00
6	T	Chloroethane	50.000	56.484	-13.0	186	0.00
7	T	Trichlorofluoromethane	50.000	47.068	5.9	158	0.00
8	T	Diethyl Ether	50.000	60.384	-20.8#	213	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.939	-3.9	189	0.00
10	T	Methyl Iodide	50.000	47.582	4.8	153	0.00
11	T	Tert butyl alcohol	250.000	327.635	-31.1#	217	0.00
12	CM	1,1-Dichloroethene	50.000	53.512	-7.0#	186	0.00
13	T	Acrolein	250.000	344.609	-37.8#	235	0.00
14	T	Allyl chloride	50.000	63.512	-27.0#	222	0.00
15	T	Acrylonitrile	250.000	315.255	-26.1#	217	0.00
16	T	Acetone	250.000	325.050	-30.0#	241	0.00
17	T	Carbon Disulfide	50.000	56.658	-13.3	199	0.00
18	T	Methyl Acetate	50.000	67.125	-34.3#	234	0.00
19	T	Methyl tert-butyl Ether	50.000	62.196	-24.4#	199	0.00
20	T	Methylene Chloride	50.000	51.019	-2.0	188	0.00
21	T	trans-1,2-Dichloroethene	50.000	53.261	-6.5	180	0.00
22	T	Diisopropyl ether	50.000	59.993	-20.0	226	0.00
23	T	Vinyl Acetate	250.000	317.129	-26.9#	226	0.00
24	P	1,1-Dichloroethane	50.000	51.751	-3.5	199	0.00
25	T	2-Butanone	250.000	313.639	-25.5#	227	0.00
26	T	2,2-Dichloropropane	50.000	47.904	4.2	178	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.661	-5.3	192	0.00
28	T	Bromochloromethane	50.000	58.409	-16.8	205	0.00
29	T	Tetrahydrofuran	250.000	305.143	-22.1#	234	0.00
30	C	Chloroform	50.000	46.795	6.4#	176	0.00
31	T	Cyclohexane	50.000	52.931	-5.9	211	0.00
32	T	1,1,1-Trichloroethane	50.000	45.149	9.7	169	0.00
33	S	1,2-Dichloroethane-d4	50.000	46.987	6.0	168	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	183	0.00
35	S	Dibromofluoromethane	50.000	44.361	11.3	176	0.00
36	T	1,1-Dichloropropene	50.000	48.338	3.3	191	0.00
37	T	Ethyl Acetate	50.000	53.938	-7.9	241	0.00
38	T	Carbon Tetrachloride	50.000	40.352	19.3	157	0.00
39	T	Methylcyclohexane	50.000	52.302	-4.6	189	0.00
40	TM	Benzene	50.000	48.468	3.1	189	0.00
41	T	Methacrylonitrile	50.000	64.957	-29.9#	231	0.00
42	TM	1,2-Dichloroethane	50.000	43.971	12.1	175	0.00
43	T	Isopropyl Acetate	50.000	56.797	-13.6	226	0.00
44	TM	Trichloroethene	50.000	45.413	9.2	176	0.00
45	C	1,2-Dichloropropane	50.000	50.712	-1.4#	206	0.00
46	T	Dibromomethane	50.000	44.778	10.4	180	0.00
47	T	Bromodichloromethane	50.000	44.936	10.1	176	0.00
48	T	Methyl methacrylate	50.000	60.130	-20.3#	220	0.00

Sample Results: **VV039009.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082225\
Data File : VV039009.D
Acq On : 22 Aug 2025 09:03
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC050

Quant Time: Aug 25 02:18:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1260.263	-26.0#	235	0.00
50	S	Toluene-d8	50.000	44.158	11.7	158	0.00
51	T	4-Methyl-2-Pentanone	250.000	280.159	-12.1	194	0.00
52	CM	Toluene	50.000	48.770	2.5#	161	0.00
53	T	t-1,3-Dichloropropene	50.000	50.315	-0.6	155	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.496	-3.0	182	0.00
55	T	1,1,2-Trichloroethane	50.000	44.541	10.9	147	0.00
56	T	Ethyl methacrylate	50.000	47.517	5.0	167	0.00
57	T	1,3-Dichloropropane	50.000	47.624	4.8	152	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	261.458	-4.6	193	0.00
59	T	2-Hexanone	250.000	218.888	12.4	156	0.00
60	T	Dibromochloromethane	50.000	43.375	13.3	145	0.00
61	T	1,2-Dibromoethane	50.000	46.749	6.5	150	0.00
62	S	4-Bromofluorobenzene	50.000	46.267	7.5	145	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	146	0.00
64	T	Tetrachloroethene	50.000	46.768	6.5	139	0.00
65	PM	Chlorobenzene	50.000	47.922	4.2	145	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	46.644	6.7	140	0.00
67	C	Ethyl Benzene	50.000	54.389	-8.8#	150	0.00
68	T	m/p-Xylenes	100.000	107.718	-7.7	143	0.00
69	T	o-Xylene	50.000	56.520	-13.0	151	0.00
70	T	Styrene	50.000	55.692	-11.4	141	0.00
71	P	Bromoform	50.000	47.453	5.1	141	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	127	0.00
73	T	Isopropylbenzene	50.000	56.306	-12.6	144	0.00
74	T	N-amyl acetate	50.000	64.396	-28.8#	162	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.029	3.9	146	0.00
76	T	1,2,3-Trichloropropane	50.000	51.224	-2.4	142	0.00
77	T	Bromobenzene	50.000	51.537	-3.1	140	0.00
78	T	n-propylbenzene	50.000	57.132	-14.3	143	0.00
79	T	2-Chlorotoluene	50.000	58.783	-17.6	152	0.00
80	T	1,3,5-Trimethylbenzene	50.000	58.975	-18.0	145	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	56.708	-13.4	144	0.00
82	T	4-Chlorotoluene	50.000	58.468	-16.9	145	0.00
83	T	tert-Butylbenzene	50.000	58.676	-17.4	148	0.00
84	T	1,2,4-Trimethylbenzene	50.000	60.825	-21.7#	145	0.00
85	T	sec-Butylbenzene	50.000	58.658	-17.3	146	0.00
86	T	p-Isopropyltoluene	50.000	57.774	-15.5	142	0.00
87	T	1,3-Dichlorobenzene	50.000	51.235	-2.5	137	0.00
88	T	1,4-Dichlorobenzene	50.000	48.711	2.6	135	0.00
89	T	n-Butylbenzene	50.000	53.537	-7.1	134	0.00
90	T	Hexachloroethane	50.000	45.493	9.0	132	0.00
91	T	1,2-Dichlorobenzene	50.000	49.745	0.5	135	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.843	-5.7	148	0.00
93	T	1,2,4-Trichlorobenzene	50.000	53.831	-7.7	136	0.00
94	T	Hexachlorobutadiene	50.000	43.866	12.3	125	0.00
95	T	Naphthalene	50.000	62.163	-24.3#	145	0.00

Sample Results: **VV039009.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082225\
Data File : VV039009.D
Acq On : 22 Aug 2025 09:03
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC050

Quant Time: Aug 25 02:18:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	55.437	-10.9	140	0.00

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

QC SAMPLE DATA

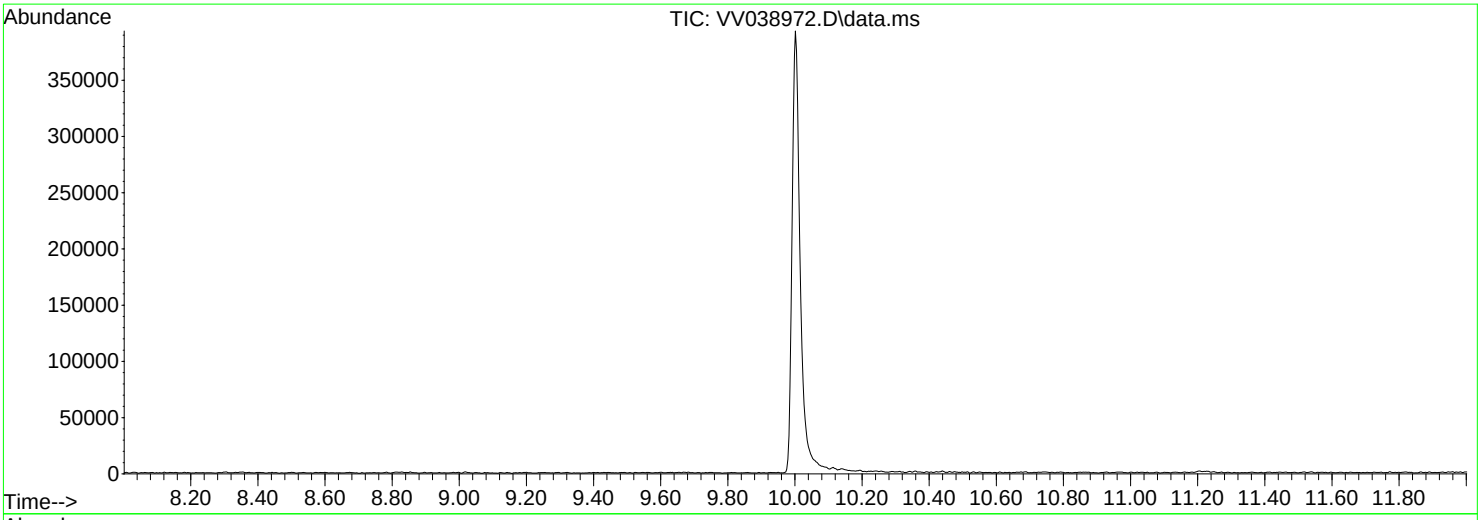
Sample Results: **VV038972.D**

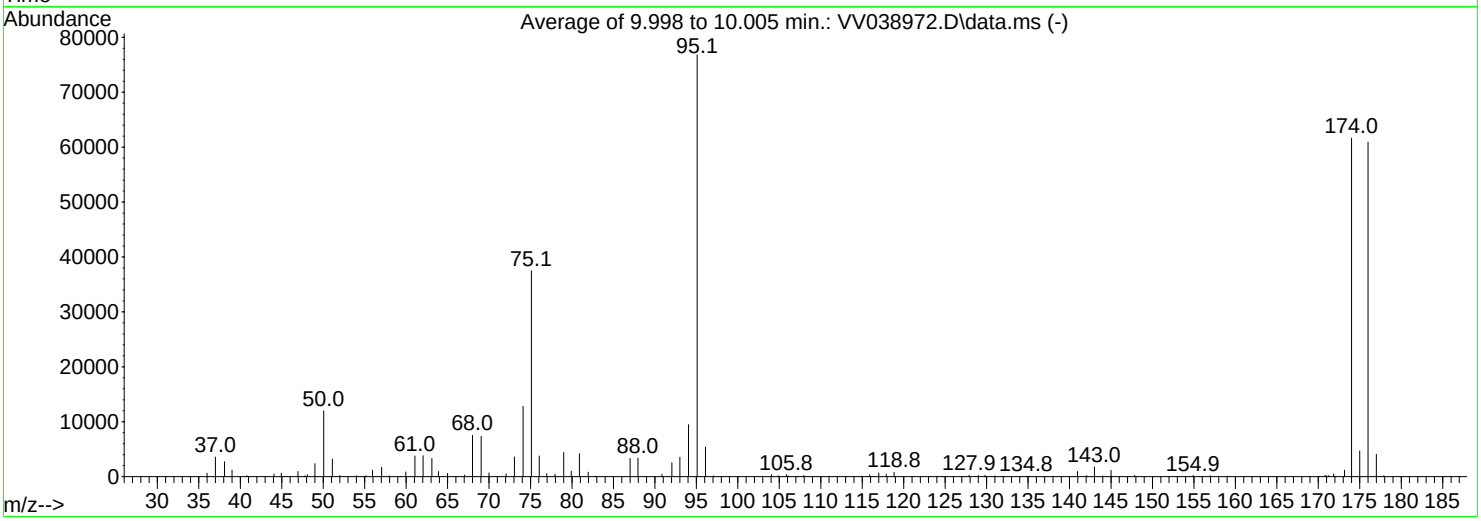
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038972.D
Acq On : 21 Aug 2025 08:34
Operator : SY/MD
Sample : BFB
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Title : SW846 8260
Last Update : Fri Aug 22 04:15:04 2025





AutoFind: Scans 2786, 2787, 2788; Background Corrected with Scan 2775

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.6	11976	PASS
75	95	30	60	48.8	37496	PASS
95	95	100	100	100.0	76808	PASS
96	95	5	9	7.0	5392	PASS
173	174	0.00	2	1.9	1161	PASS
174	95	50	100	80.3	61643	PASS
175	174	5	9	7.6	4704	PASS
176	174	95	101	98.8	60933	PASS
177	176	5	9	6.6	4042	PASS

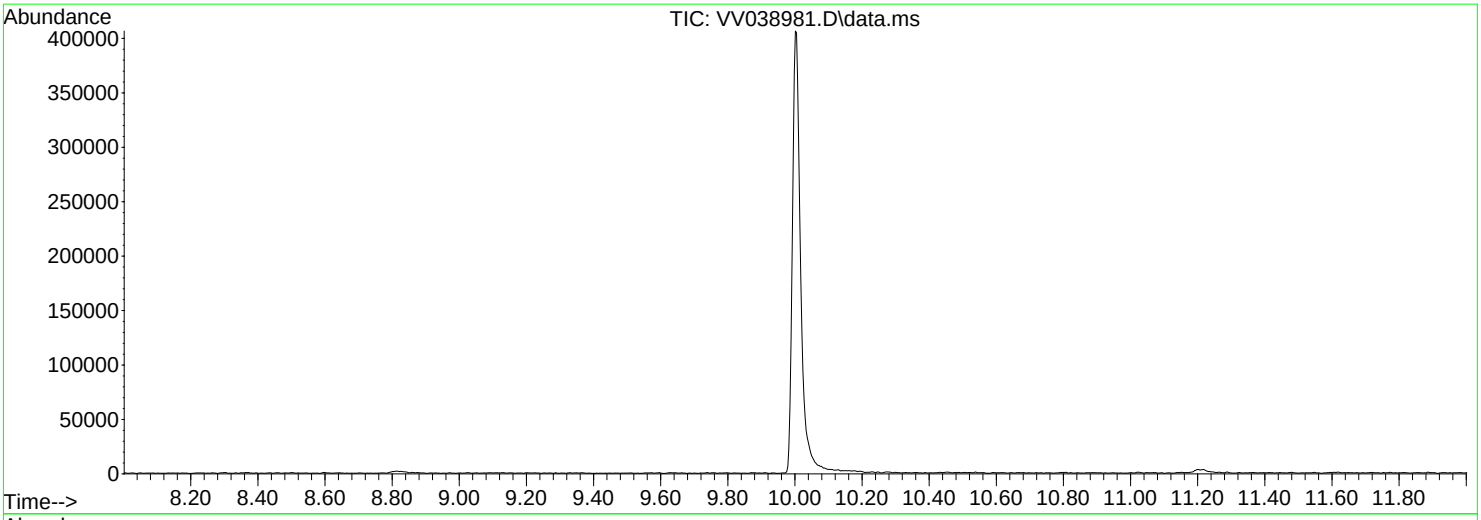
Sample Results: **VV038981.D**

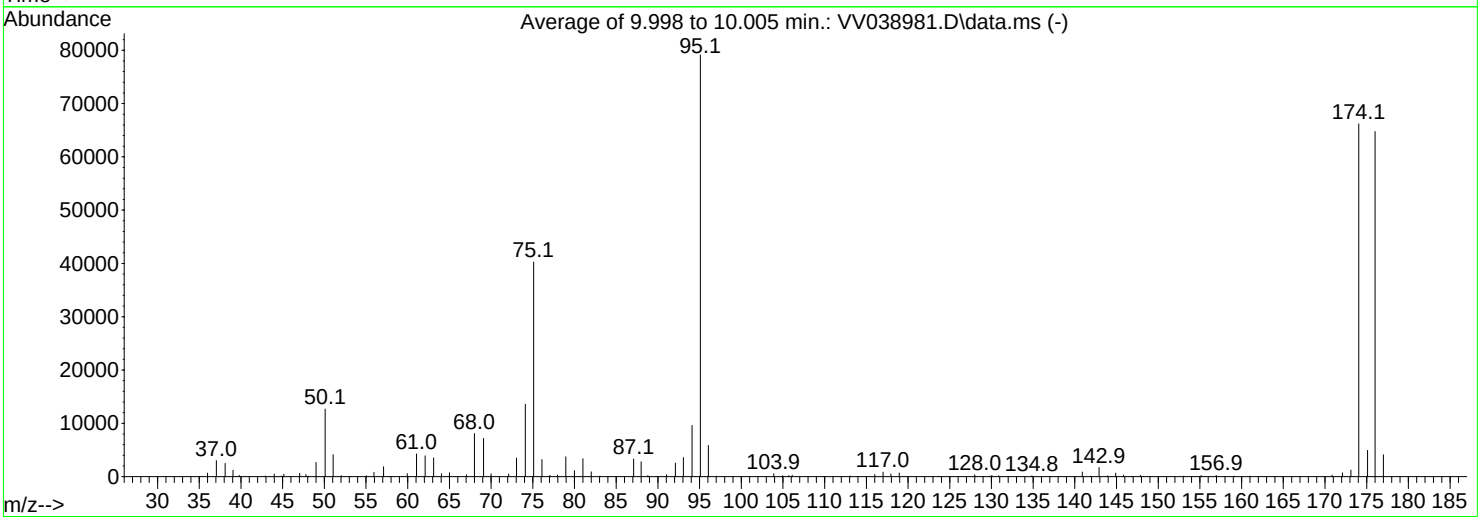
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038981.D
Acq On : 21 Aug 2025 15:11
Operator : SY/MD
Sample : BFB
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Title : SW846 8260
Last Update : Fri Aug 22 04:15:04 2025





AutoFind: Scans 2786, 2787, 2788; Background Corrected with Scan 2776

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.0	12677	PASS
75	95	30	60	50.9	40256	PASS
95	95	100	100	100.0	79139	PASS
96	95	5	9	7.4	5845	PASS
173	174	0.00	2	1.8	1222	PASS
174	95	50	100	83.7	66211	PASS
175	174	5	9	7.4	4925	PASS
176	174	95	101	97.8	64765	PASS
177	176	5	9	6.4	4126	PASS

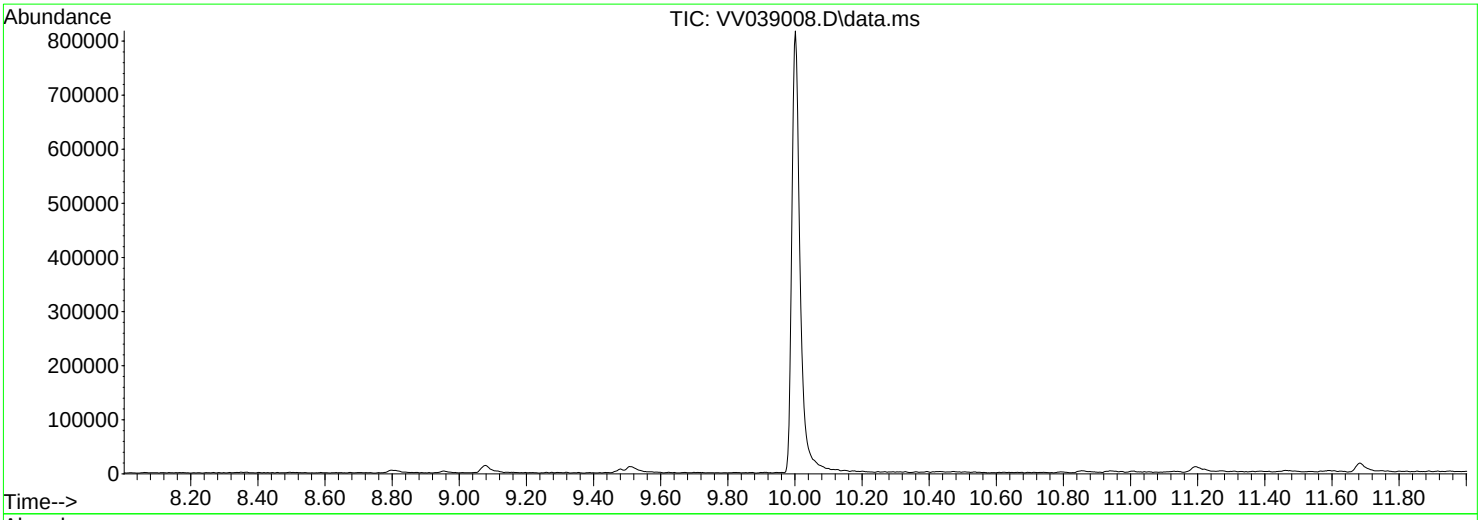
Sample Results: **VV039008.D**

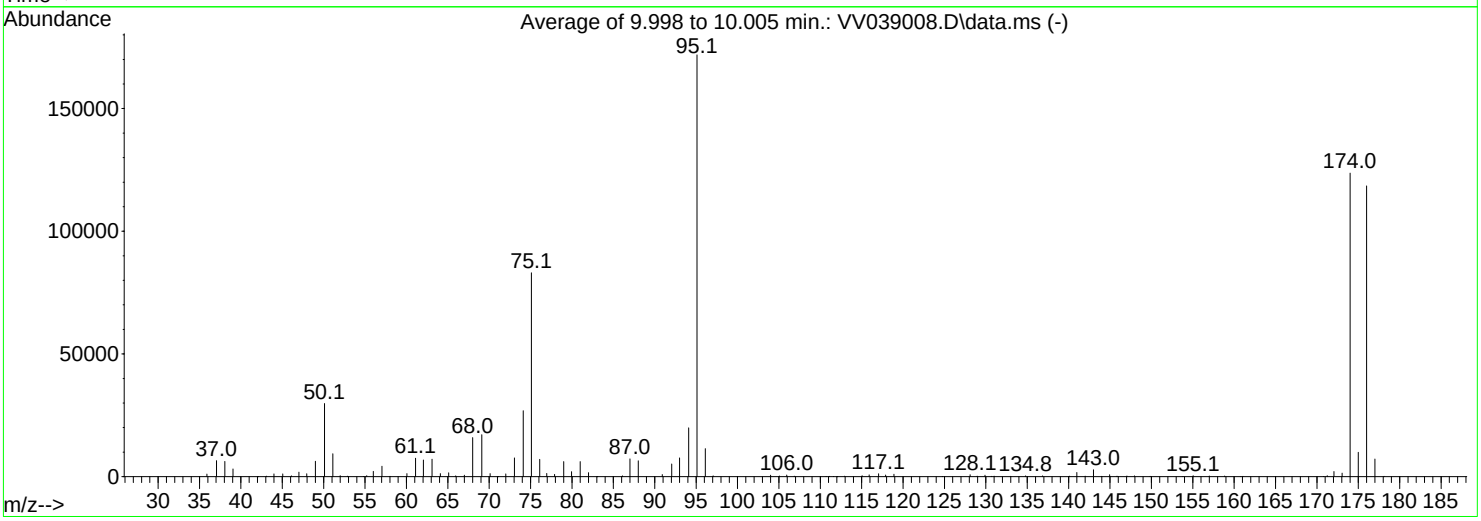
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082225\
Data File : VV039008.D
Acq On : 22 Aug 2025 07:56
Operator : SY/MD
Sample : BFB
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Title : SW846 8260
Last Update : Fri Aug 22 04:15:04 2025





AutoFind: Scans 2786, 2787, 2788; Background Corrected with Scan 2774

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.3	29773	PASS
75	95	30	60	48.3	83061	PASS
95	95	100	100	100.0	171883	PASS
96	95	5	9	6.6	11417	PASS
173	174	0.00	2	1.1	1416	PASS
174	95	50	100	72.0	123715	PASS
175	174	5	9	8.0	9904	PASS
176	174	95	101	95.8	118488	PASS
177	176	5	9	6.1	7173	PASS

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	National Grid Equity - Brooklyn NY	Date Received:	
Client Sample ID:	VV0821WBL01	SDG No.:	Q2924
Lab Sample ID:	VV0821WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV038984.D	1	08/21/25 16:34	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.22	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.26	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.23	1.00	ug/L
67-64-1	Acetone	5.00	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.50	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.68	5.00	ug/L
108-88-3	Toluene	1.00	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:	AECOM	Date Collected:	
Project:	National Grid Equity - Brooklyn NY	Date Received:	
Client Sample ID:	VV0821WBL01	SDG No.:	Q2924
Lab Sample ID:	VV0821WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV038984.D	1	08/21/25 16:34	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.24	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.12	1.00	ug/L
100-42-5	Styrene	1.00	U	0.15	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.2		74 - 125	96%	SPK: 50
1868-53-7	Dibromofluoromethane	43.8		75 - 124	88%	SPK: 50
2037-26-5	Toluene-d8	43.4		86 - 113	87%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.3		77 - 121	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	503000	4.6			
540-36-3	1,4-Difluorobenzene	837000	5.532			
3114-55-4	Chlorobenzene-d5	730000	8.776			
3855-82-1	1,4-Dichlorobenzene-d4	318000	11.175			

Raw Data: **VV038984.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	National Grid Equity - Brooklyn NY	Date Received:	
Client Sample ID:	VV0821WBL01	SDG No.:	Q2924
Lab Sample ID:	VV0821WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV038984.D	1	08/21/25 16:34	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **VV038984.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038984.D
Acq On : 21 Aug 2025 16:34
Operator : SY/MD
Sample : VV0821WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0821WBL01

Quant Time: Aug 22 04:32:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

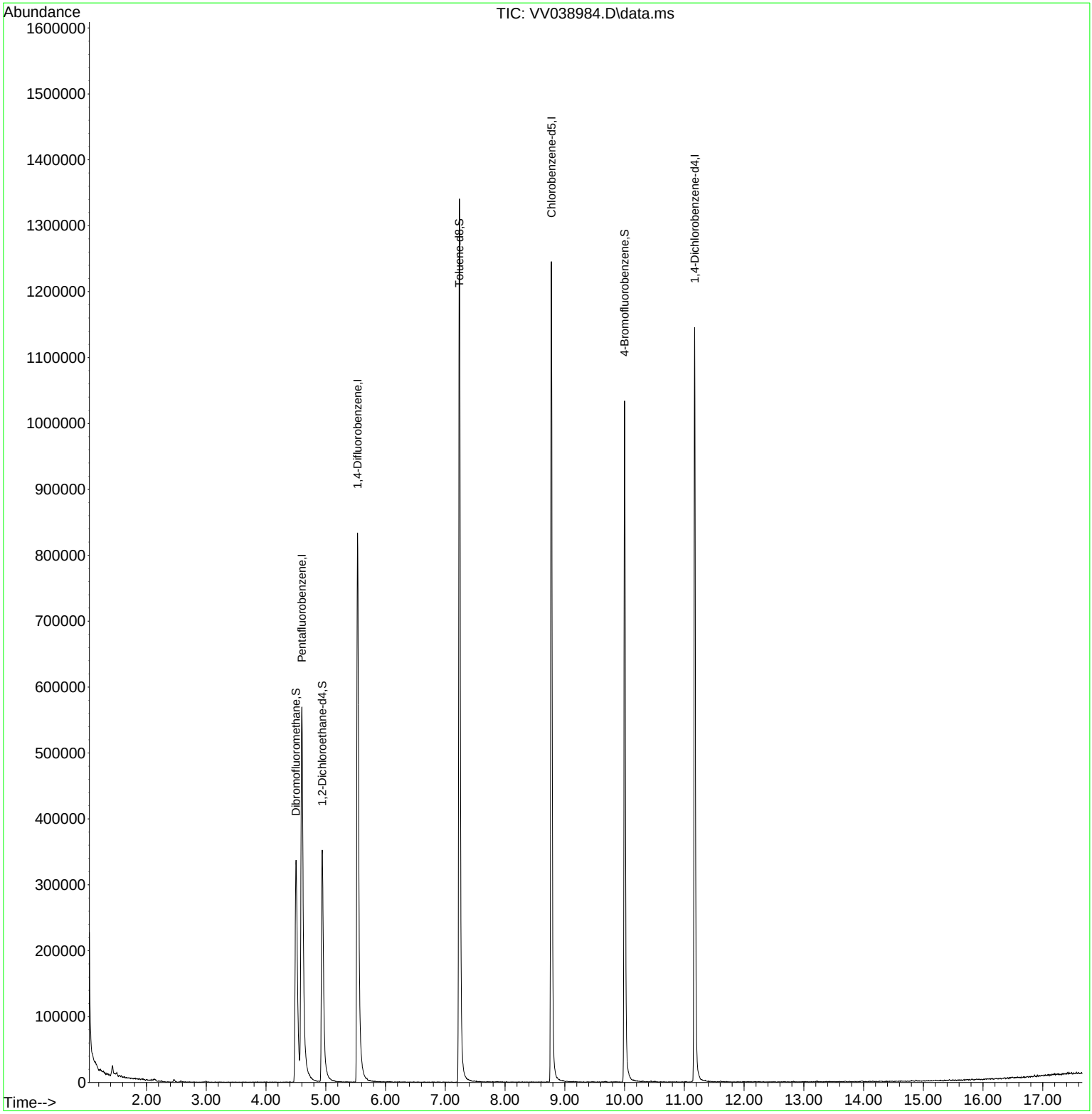
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	502511	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	836910	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	730493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	318475	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	339699	48.177	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 96.360%			
35) Dibromofluoromethane	4.503	113	274834	43.789	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 87.580%			
50) Toluene-d8	7.236	98	950290	43.420	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 86.840%#			
62) 4-Bromofluorobenzene	10.001	95	338753	42.310	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 84.620%#			
Target Compounds						Qvalue

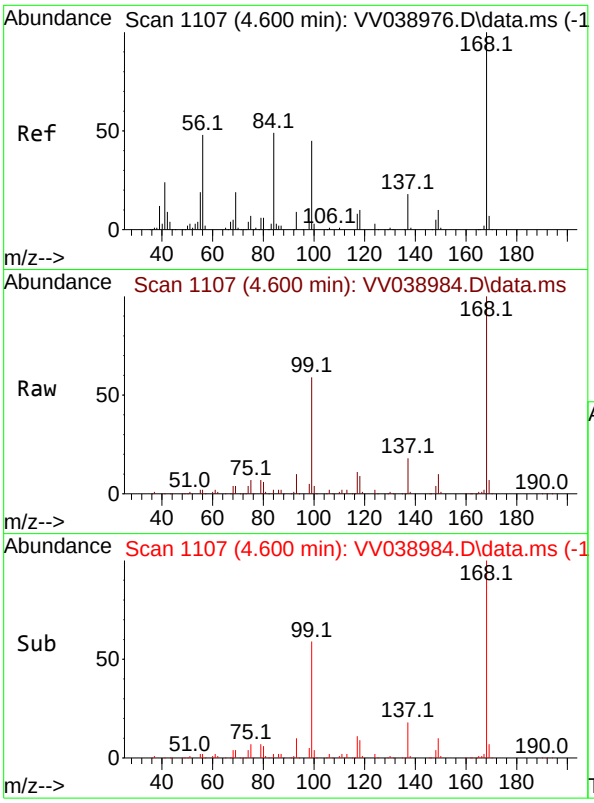
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038984.D
Acq On : 21 Aug 2025 16:34
Operator : SY/MD
Sample : VV0821WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0821WBL01

Quant Time: Aug 22 04:32:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration



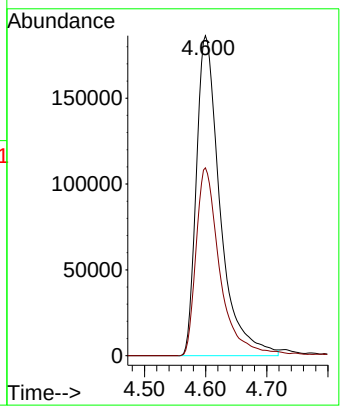


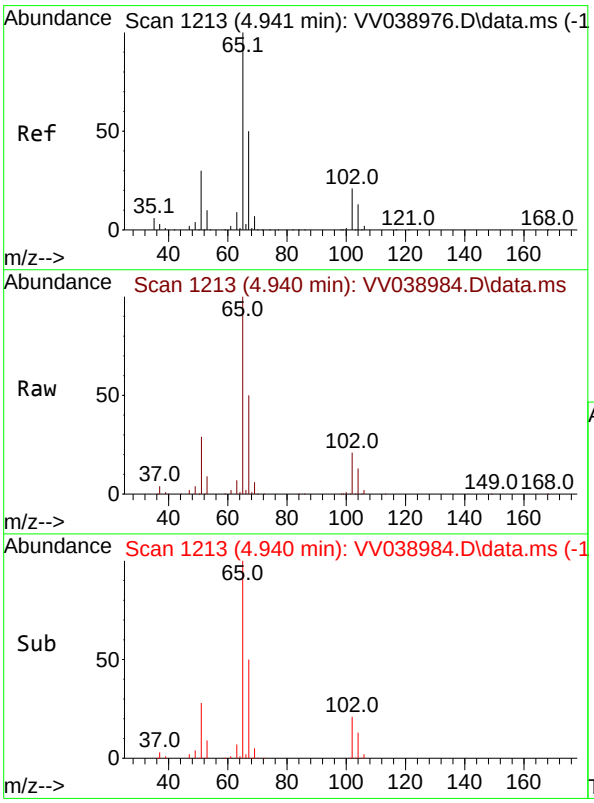
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV038984.D
Acq: 21 Aug 2025 16:34

Instrument :
MSVOA_V
ClientSampleId :
VV0821WBL01

Tgt Ion:168 Resp: 502511

Ion	Ratio	Lower	Upper
168	100		
99	58.7	47.0	70.6

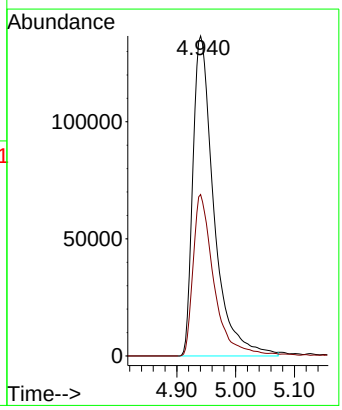


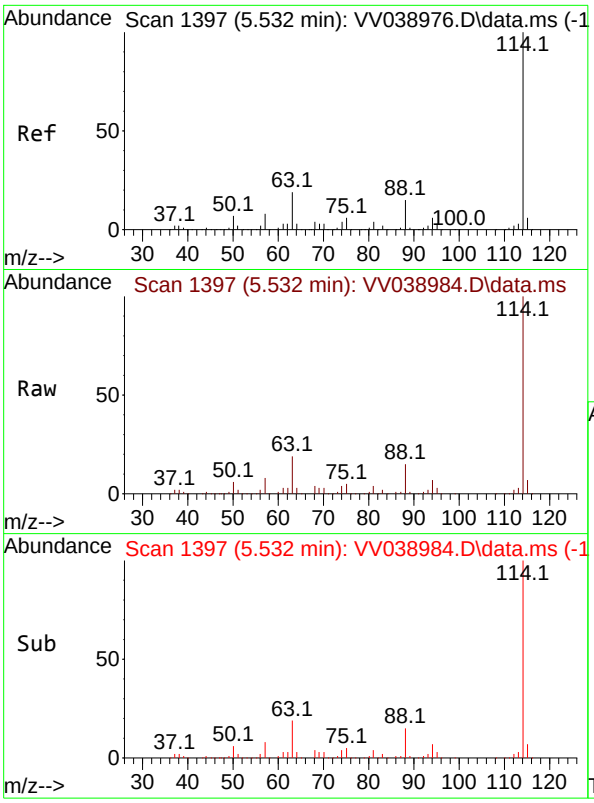


#33
1,2-Dichloroethane-d4
Concen: 48.177 ug/l
RT: 4.940 min Scan# 1213
Delta R.T. -0.000 min
Lab File: VV038984.D
Acq: 21 Aug 2025 16:34

Tgt Ion: 65 Resp: 339699

Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	100.4



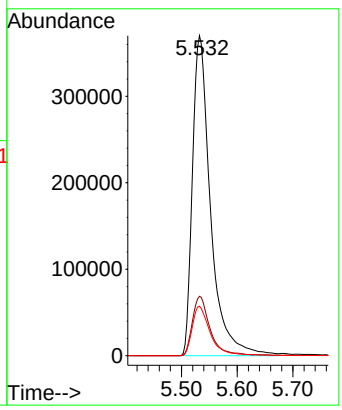


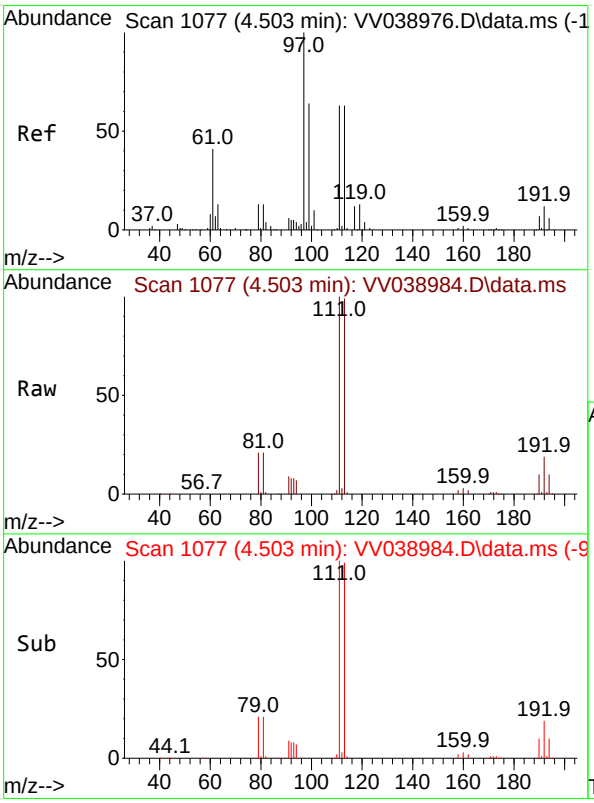
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV038984.D
Acq: 21 Aug 2025 16:34

Instrument :
MSVOA_V
ClientSampleId :
VV0821WBL01

Tgt Ion:114 Resp: 836910

Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	37.4
88	15.4	0.0	30.4

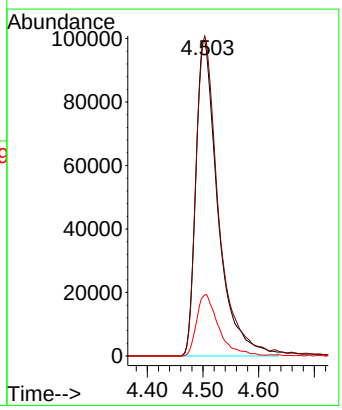


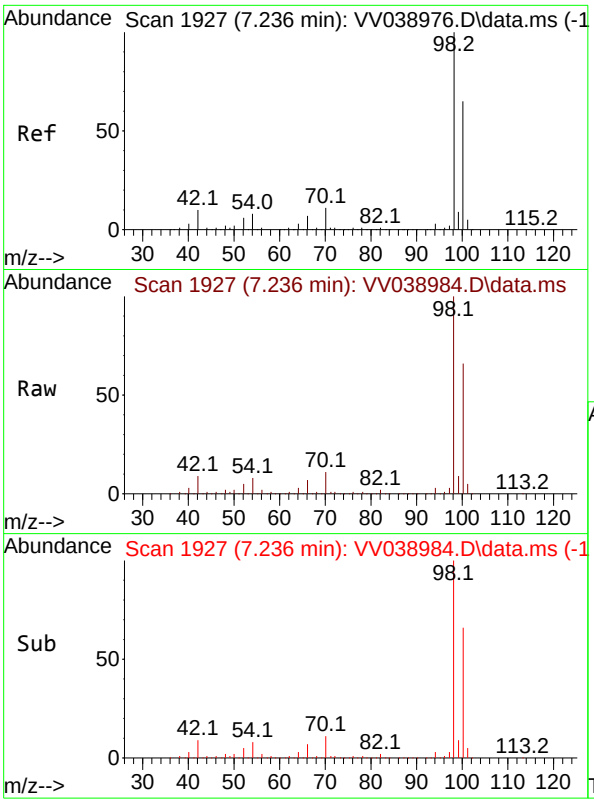


#35
Dibromofluoromethane
Concen: 43.789 ug/l
RT: 4.503 min Scan# 1077
Delta R.T. -0.000 min
Lab File: VV038984.D
Acq: 21 Aug 2025 16:34

Tgt Ion:113 Resp: 274834

Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.3	121.9
192	19.4	15.4	23.0



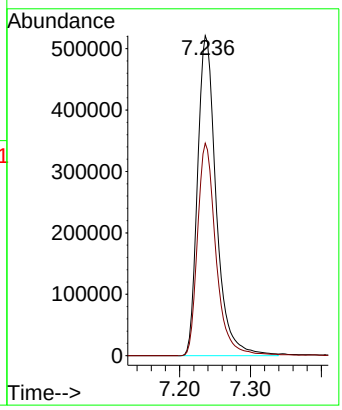


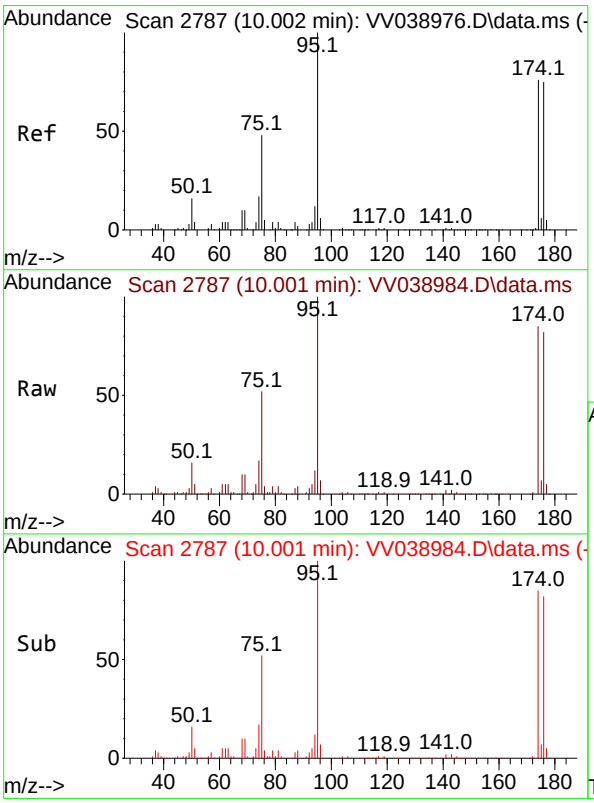
#50
Toluene-d8
Concen: 43.420 ug/l
RT: 7.236 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV038984.D
Acq: 21 Aug 2025 16:34

Instrument :
MSVOA_V
ClientSampleId :
VV0821WBL01

Tgt Ion: 98 Resp: 950290

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.2	78.2

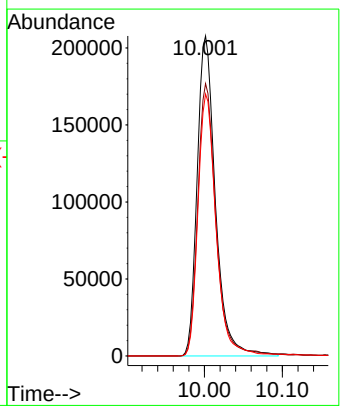


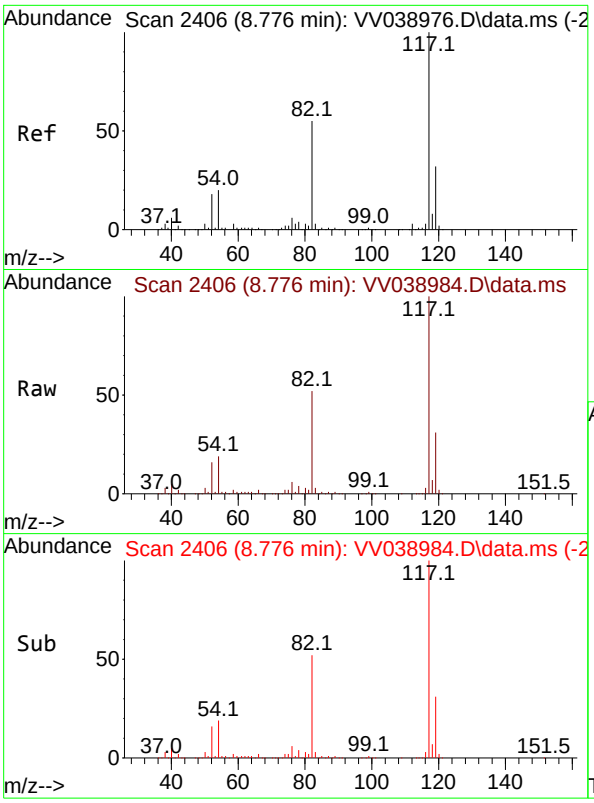


#62
4-Bromofluorobenzene
Concen: 42.310 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. -0.000 min
Lab File: VV038984.D
Acq: 21 Aug 2025 16:34

Tgt Ion: 95 Resp: 338753

Ion	Ratio	Lower	Upper
95	100		
174	85.2	0.0	154.4
176	81.1	0.0	148.6



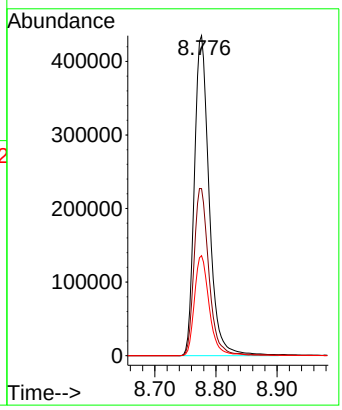


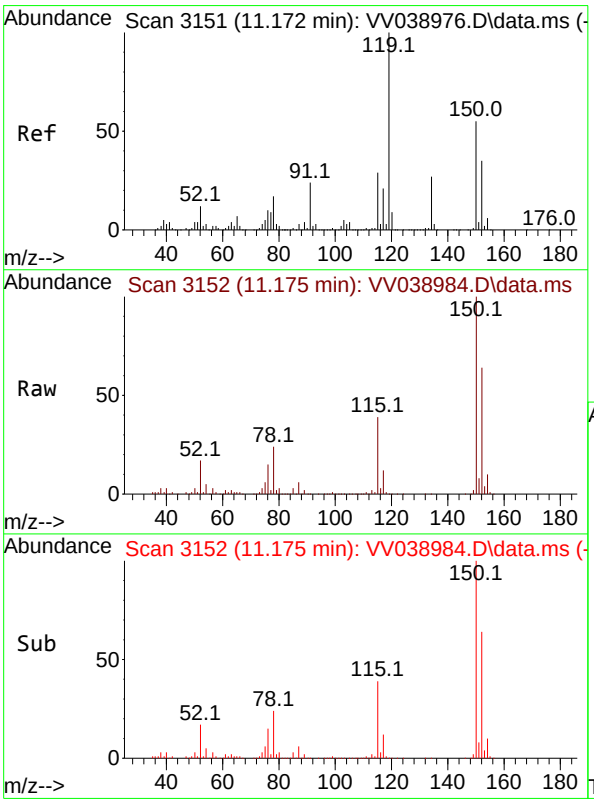
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 24
Delta R.T. 0.000 min
Lab File: VV038984.D
Acq: 21 Aug 2025 16:34

Instrument :
MSVOA_V
ClientSampleId :
VV0821WBL01

Tgt Ion:117 Resp: 730493

Ion	Ratio	Lower	Upper
117	100		
82	52.2	44.4	66.6
119	31.2	26.0	39.0

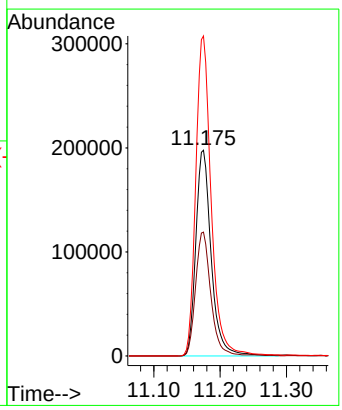




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.175 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VV038984.D
Acq: 21 Aug 2025 16:34

Tgt Ion:152 Resp: 318475

Ion	Ratio	Lower	Upper
152	100		
115	60.0	42.5	127.5
150	156.2	0.0	344.8



Sample Results: **VV038984.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038984.D
Acq On : 21 Aug 2025 16:34
Operator : SY/MD
Sample : VV0821WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0821WBL01

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_V\Method\82V082125W.M
Title : SW846 8260

Signal : TIC: VV038984.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.433	111	122	129	rBV	15392	27436	1.11%	0.206%
2	4.503	1064	1077	1095	rBV2	337000	882417	35.82%	6.619%
3	4.600	1095	1107	1147	rVB	562015	1506731	61.16%	11.302%
4	4.940	1202	1213	1254	rBV	350818	876153	35.57%	6.572%
5	5.532	1386	1397	1441	rBV	833504	1906743	77.40%	14.303%
6	7.236	1913	1927	1965	rBV	1340454	2463489	100.00%	18.479%
7	8.776	2391	2406	2435	rBV	1245013	2121384	86.11%	15.913%
8	10.001	2774	2787	2823	rBV	1033633	1703750	69.16%	12.780%
9	11.175	3140	3152	3185	rBV	1144365	1843419	74.83%	13.828%

Sum of corrected areas: 13331522

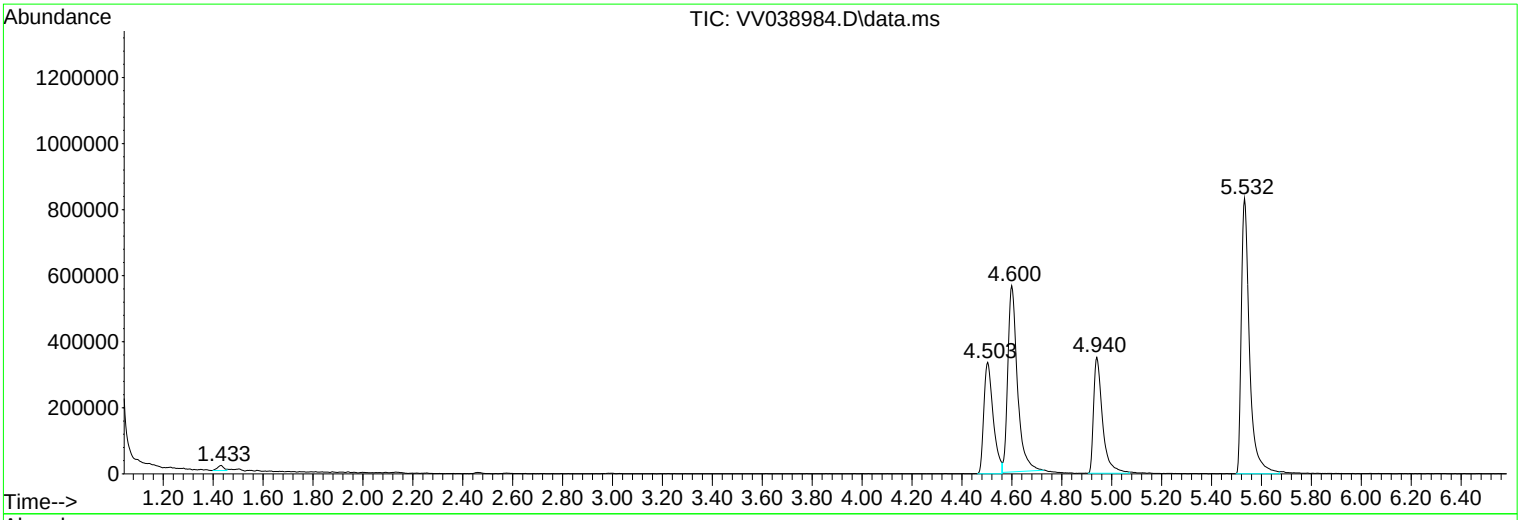
Sample Results: **VV038984.D**

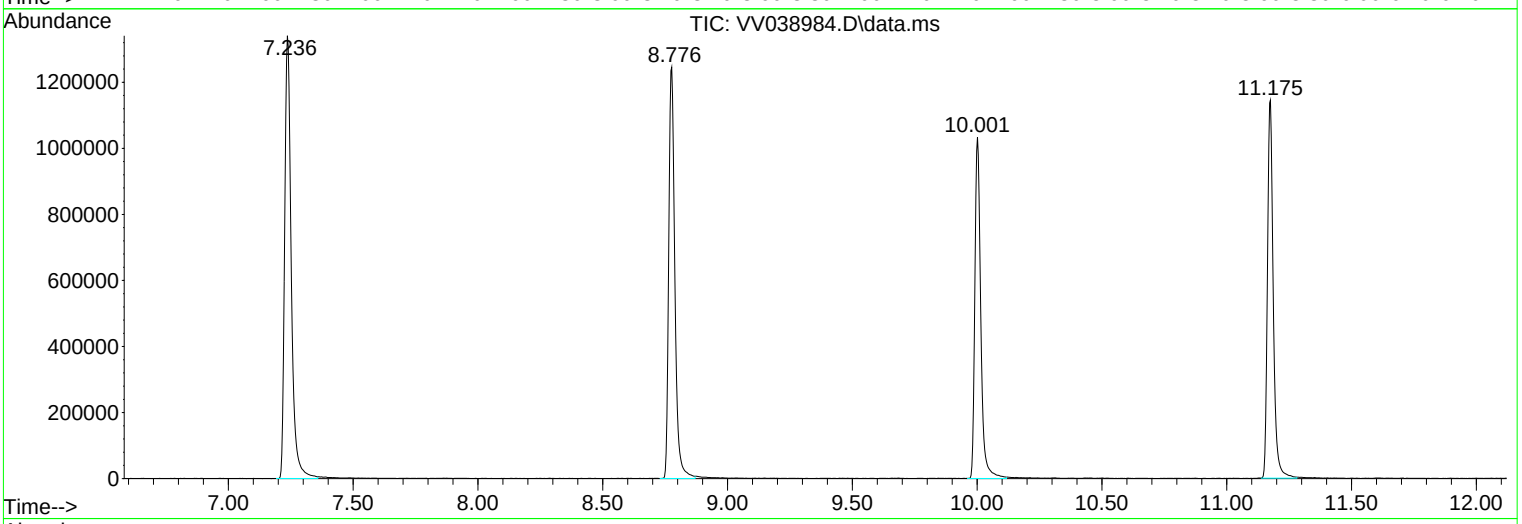
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038984.D
Acq On : 21 Aug 2025 16:34
Operator : SY/MD
Sample : VV0821WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

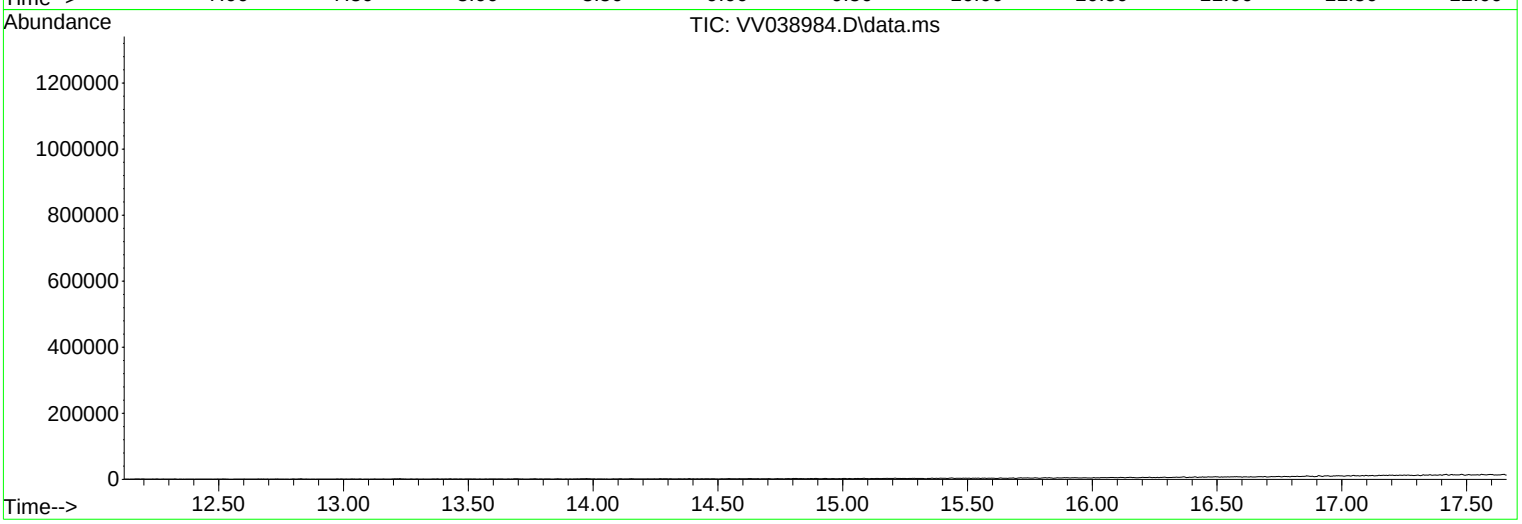
Instrument :
MSVOA_V
ClientSampleId :
VV0821WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VV038984.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038984.D
Acq On : 21 Aug 2025 16:34
Operator : SY/MD
Sample : VV0821WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0821WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.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_V\DATA\VV082125\
Data File : VV038984.D
Acq On : 21 Aug 2025 16:34
Operator : SY/MD
Sample : VV0821WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0821WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	National Grid Equity - Brooklyn NY	Date Received:	
Client Sample ID:	VV0822WBL01	SDG No.:	Q2924
Lab Sample ID:	VV0822WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039010.D	1	08/22/25 10:55	VV082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.22	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.26	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.23	1.00	ug/L
67-64-1	Acetone	5.00	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.50	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.68	5.00	ug/L
108-88-3	Toluene	1.00	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:	AECOM	Date Collected:	
Project:	National Grid Equity - Brooklyn NY	Date Received:	
Client Sample ID:	VV0822WBL01	SDG No.:	Q2924
Lab Sample ID:	VV0822WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039010.D	1	08/22/25 10:55	VV082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.24	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.12	1.00	ug/L
100-42-5	Styrene	1.00	U	0.15	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.0		74 - 125	120%	SPK: 50
1868-53-7	Dibromofluoromethane	47.4		75 - 124	95%	SPK: 50
2037-26-5	Toluene-d8	47.7		86 - 113	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.3		77 - 121	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	530000	4.603			
540-36-3	1,4-Difluorobenzene	1080000	5.532			
3114-55-4	Chlorobenzene-d5	992000	8.776			
3855-82-1	1,4-Dichlorobenzene-d4	417000	11.175			

Raw Data: **VV039010.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	National Grid Equity - Brooklyn NY	Date Received:	
Client Sample ID:	VV0822WBL01	SDG No.:	Q2924
Lab Sample ID:	VV0822WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039010.D	1	08/22/25 10:55	VV082225

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_V\DATA\VV082225\
Data File : VV039010.D
Acq On : 22 Aug 2025 10:55
Operator : SY/MD
Sample : VV0822WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0822WBL01

Quant Time: Aug 25 02:19:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.603	168	530331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1082642	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	991839	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	416909	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	446395	59.988	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 119.980%#			
35) Dibromofluoromethane	4.503	113	384731	47.385	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 94.760%			
50) Toluene-d8	7.236	98	1349261	47.656	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 95.320%			
62) 4-Bromofluorobenzene	10.001	95	510781	49.316	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 98.640%			

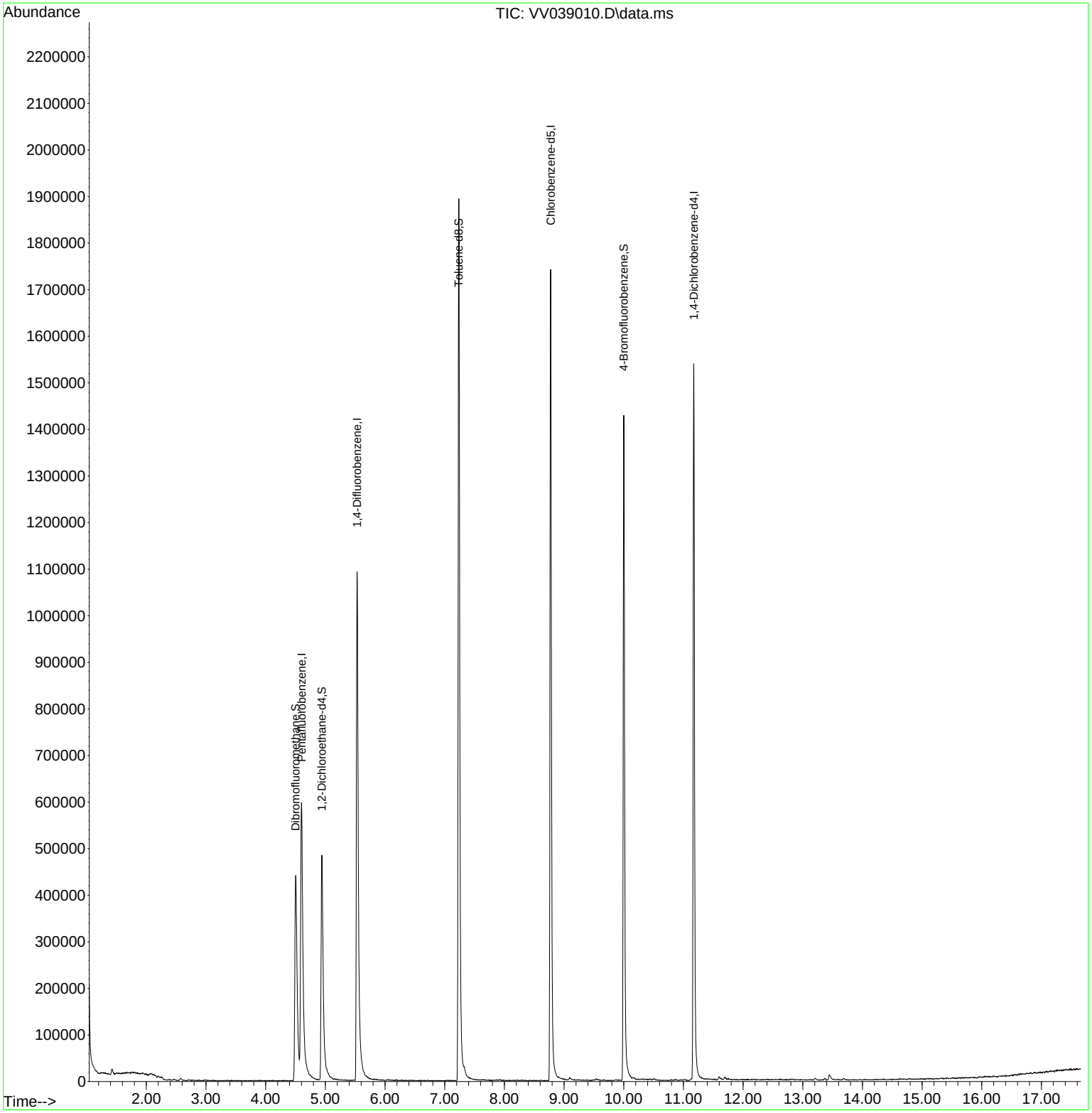
Target Compounds Qvalue

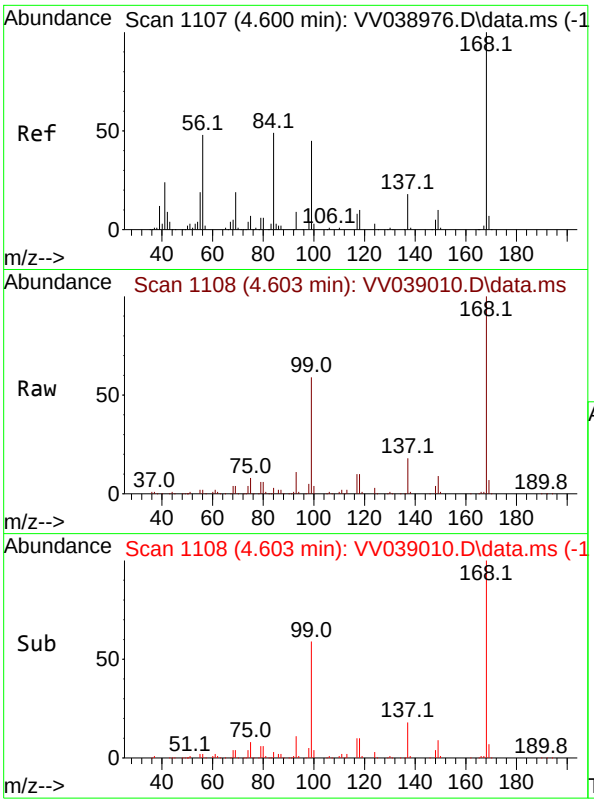
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082225\
Data File : VV039010.D
Acq On : 22 Aug 2025 10:55
Operator : SY/MD
Sample : VV0822WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0822WBL01

Quant Time: Aug 25 02:19:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration



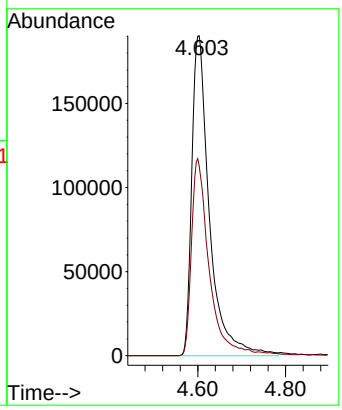


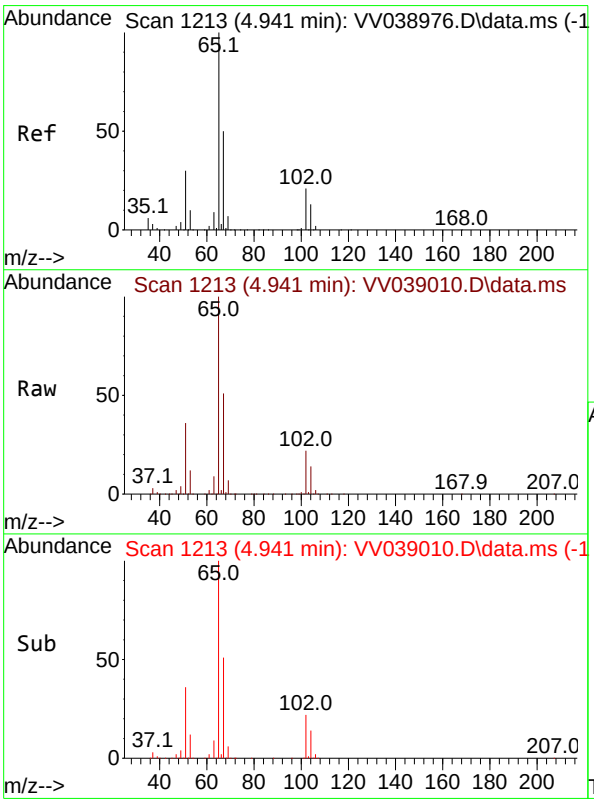
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.603 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV039010.D
Acq: 22 Aug 2025 10:55

Instrument :
MSVOA_V
ClientSampleId :
VV0822WBL01

Tgt Ion:168 Resp: 530331

Ion	Ratio	Lower	Upper
168	100		
99	59.4	47.0	70.6

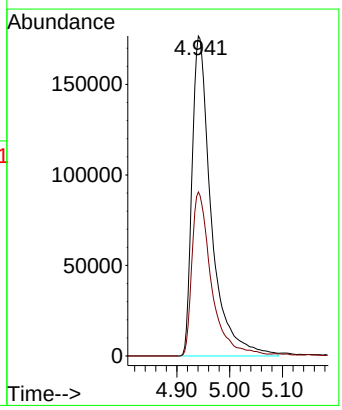


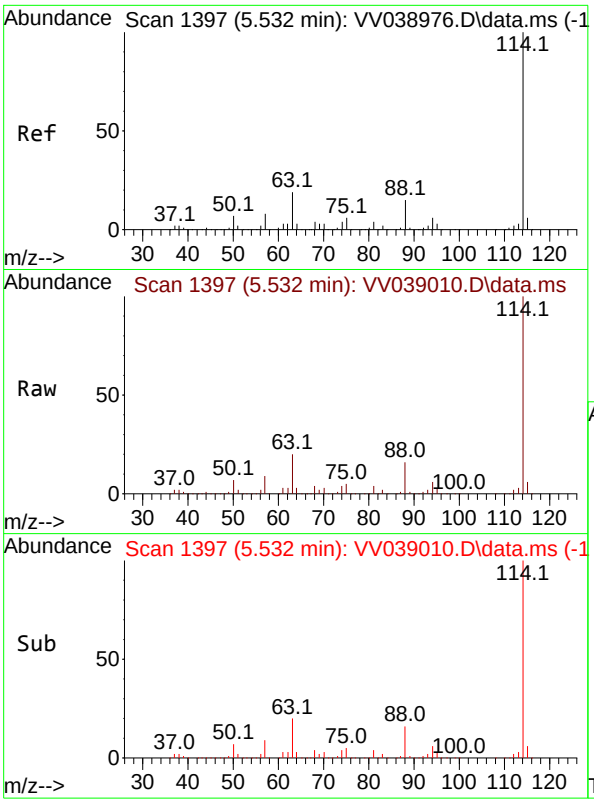


#33
1,2-Dichloroethane-d4
Concen: 59.988 ug/l
RT: 4.941 min Scan# 1213
Delta R.T. -0.000 min
Lab File: VV039010.D
Acq: 22 Aug 2025 10:55

Tgt Ion: 65 Resp: 446395

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	100.4



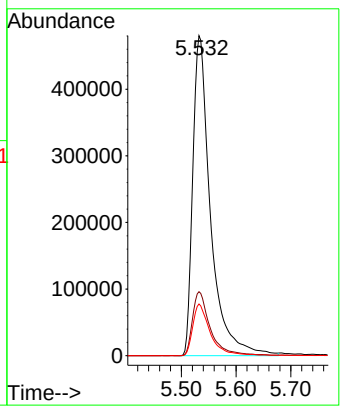


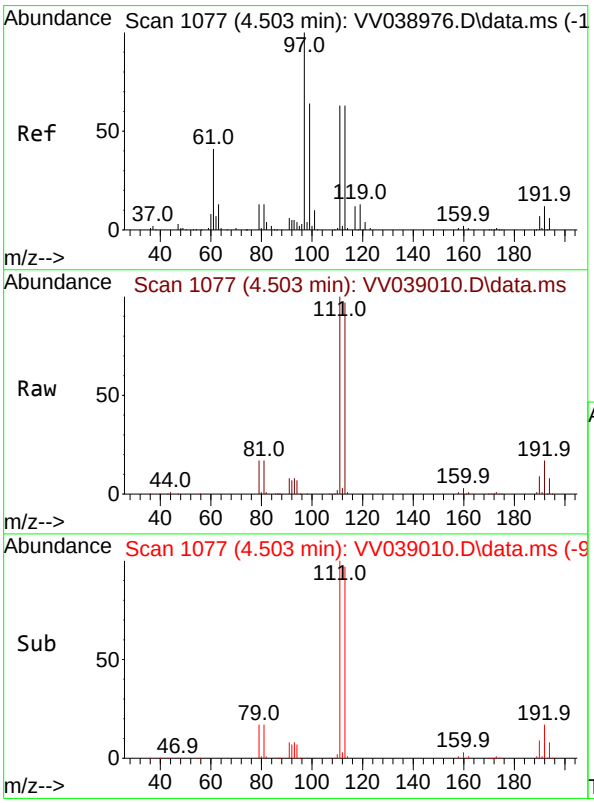
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039010.D
Acq: 22 Aug 2025 10:55

Instrument :
MSVOA_V
ClientSampleId :
VV0822WBL01

Tgt Ion:114 Resp: 1082642

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	37.4
88	16.1	0.0	30.4

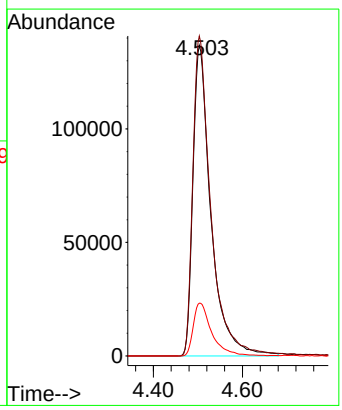


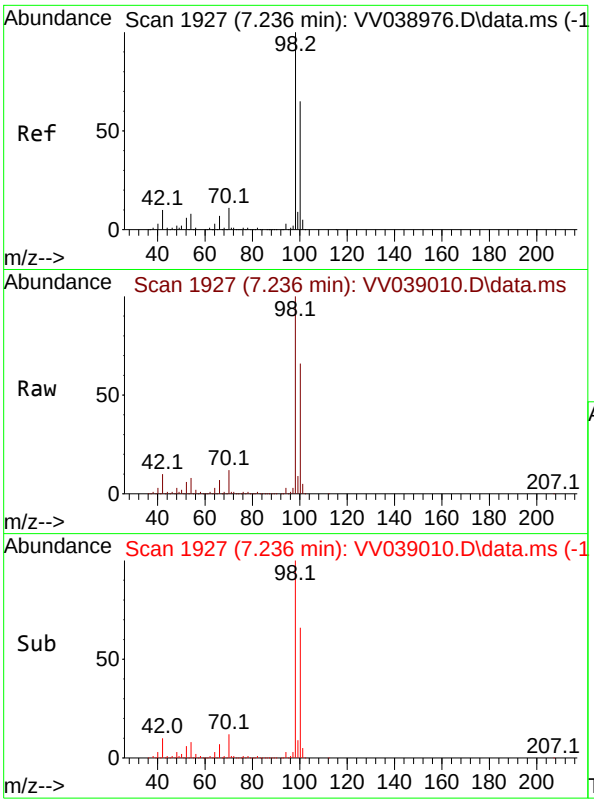


#35
Dibromofluoromethane
Concen: 47.385 ug/l
RT: 4.503 min Scan# 1077
Delta R.T. -0.000 min
Lab File: VV039010.D
Acq: 22 Aug 2025 10:55

Tgt Ion:113 Resp: 384731

Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.3	121.9
192	17.4	15.4	23.0



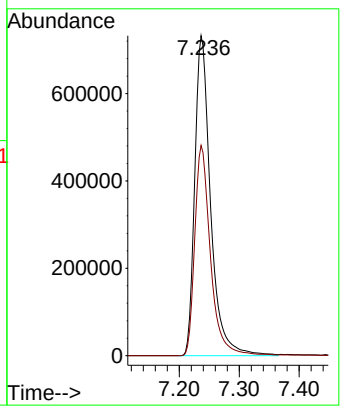


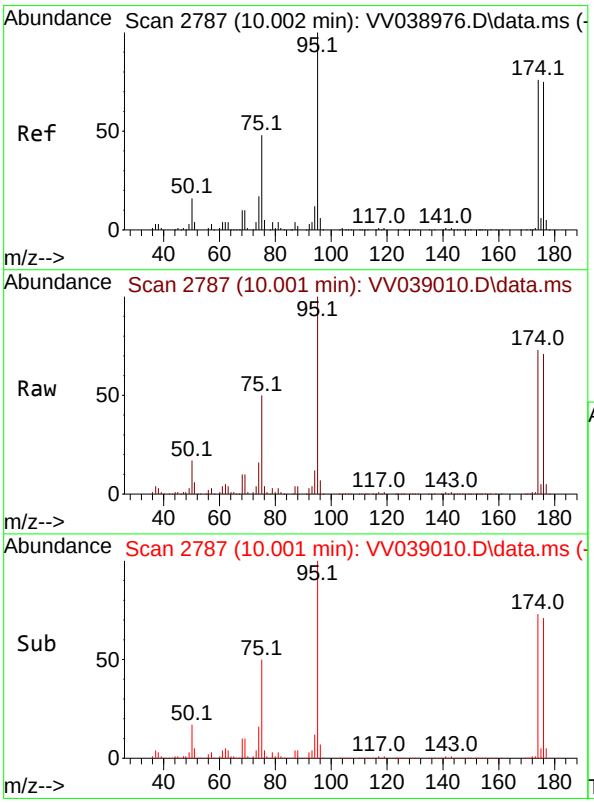
#50
Toluene-d8
Concen: 47.656 ug/l
RT: 7.236 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039010.D
Acq: 22 Aug 2025 10:55

Instrument :
MSVOA_V
ClientSampleId :
VV0822WBL01

Tgt Ion: 98 Resp: 1349261

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.2	78.2

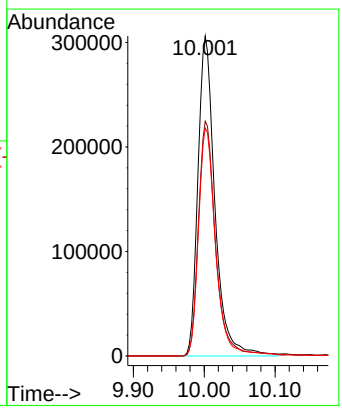


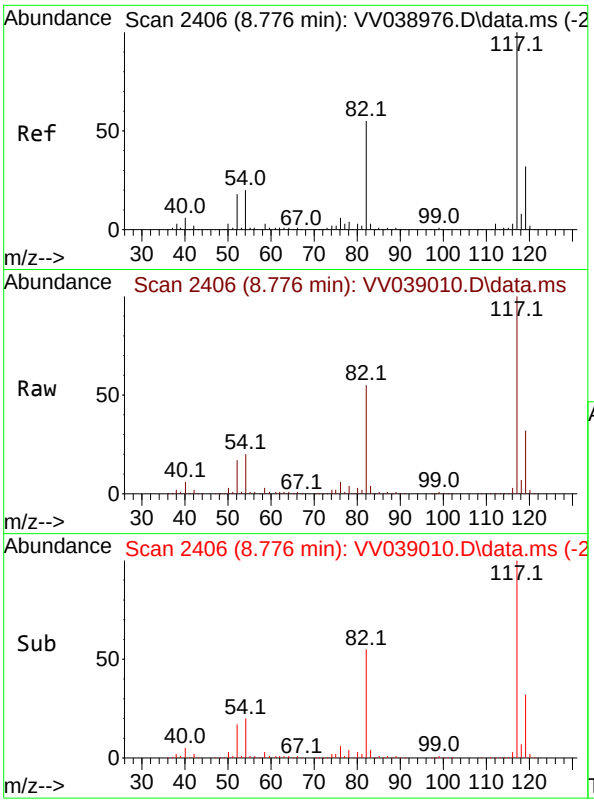


#62
4-Bromofluorobenzene
Concen: 49.316 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. -0.000 min
Lab File: VV039010.D
Acq: 22 Aug 2025 10:55

Tgt Ion: 95 Resp: 510781

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	154.4
176	71.5	0.0	148.6



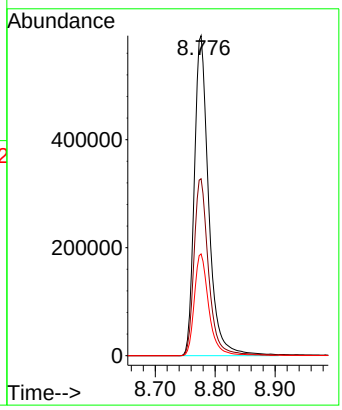


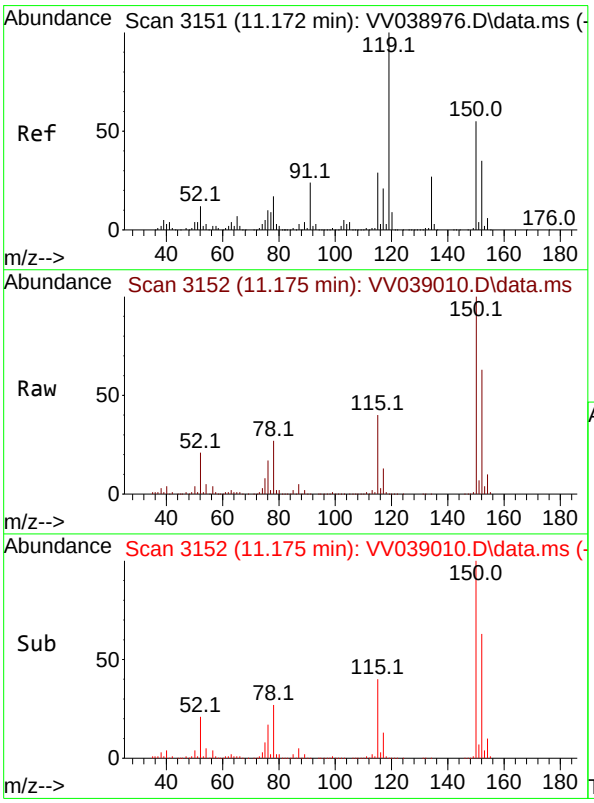
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 24
Delta R.T. 0.000 min
Lab File: VV039010.D
Acq: 22 Aug 2025 10:55

Instrument :
MSVOA_V
ClientSampleId :
VV0822WBL01

Tgt Ion:117 Resp: 991839

Ion	Ratio	Lower	Upper
117	100		
82	55.3	44.4	66.6
119	31.8	26.0	39.0

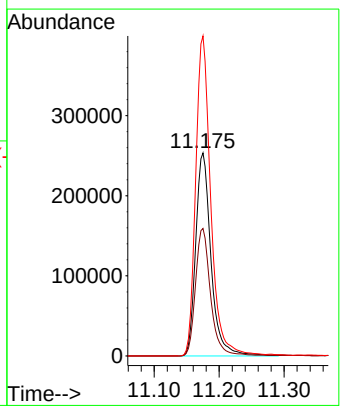




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.175 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VV039010.D
Acq: 22 Aug 2025 10:55

Tgt Ion:152 Resp: 416909

Ion	Ratio	Lower	Upper
152	100		
115	62.1	42.5	127.5
150	155.2	0.0	344.8



Sample Results: **VV039010.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082225\
Data File : VV039010.D
Acq On : 22 Aug 2025 10:55
Operator : SY/MD
Sample : VV0822WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0822WBL01

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_V\Method\82V082125W.M
Title : SW846 8260

Signal : TIC: VV039010.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.503	1064	1077	1096	rBV2	440664	1168596	32.84%	6.516%
2	4.600	1096	1107	1149	rVB2	587981	1616367	45.42%	9.013%
3	4.941	1200	1213	1260	rBV2	482111	1237901	34.79%	6.903%
4	5.532	1386	1397	1442	rBV	1092204	2495145	70.12%	13.913%
5	7.236	1914	1927	1976	rBV	1893599	3558424	100.00%	19.842%
6	8.776	2394	2406	2442	rBV	1741560	2965904	83.35%	16.538%
7	10.001	2774	2787	2820	rBV	1428216	2392442	67.23%	13.341%
8	11.175	3141	3152	3183	rBV	1535683	2498690	70.22%	13.933%

Sum of corrected areas: 17933469

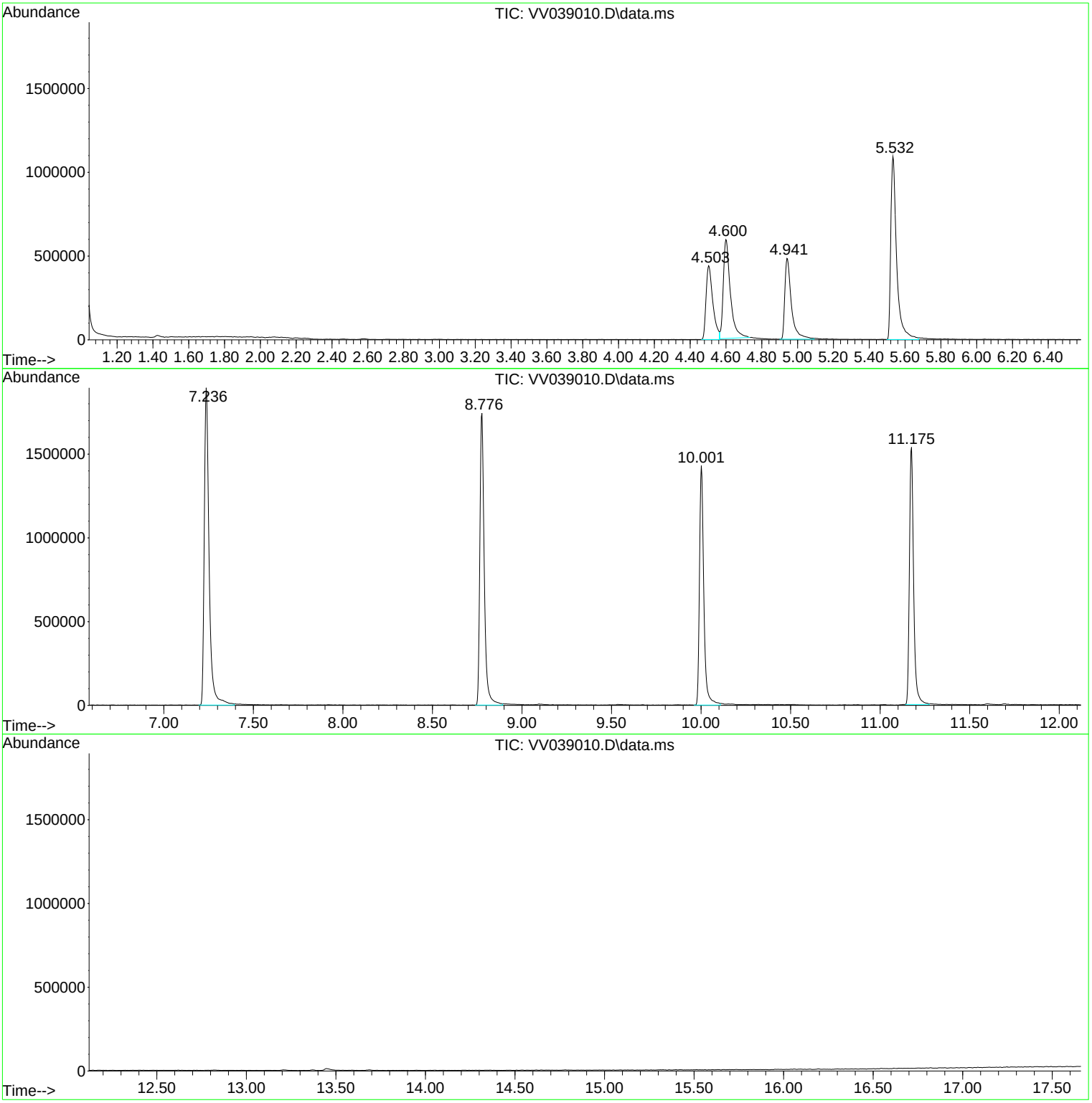
Sample Results: **VV039010.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082225\
Data File : VV039010.D
Acq On : 22 Aug 2025 10:55
Operator : SY/MD
Sample : VV0822WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0822WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VV039010.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082225\
Data File : VV039010.D
Acq On : 22 Aug 2025 10:55
Operator : SY/MD
Sample : VV0822WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0822WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.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_V\DATA\VV082225\
Data File : VV039010.D
Acq On : 22 Aug 2025 10:55
Operator : SY/MD
Sample : VV0822WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0822WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.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: **VV038985.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	National Grid Equity - Brooklyn NY	Date Received:	
Client Sample ID:	VV0821WBS01	SDG No.:	Q2924
Lab Sample ID:	VV0821WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV038985.D	1	08/21/25 17:09	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.3		0.22	1.00	ug/L
74-87-3	Chloromethane	15.8		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	16.0		0.26	1.00	ug/L
74-83-9	Bromomethane	19.0		1.40	5.00	ug/L
75-00-3	Chloroethane	19.4		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.0		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.6		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.2		0.23	1.00	ug/L
67-64-1	Acetone	94.1		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	19.2		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.3		0.16	1.00	ug/L
79-20-9	Methyl Acetate	20.6		0.27	1.00	ug/L
75-09-2	Methylene Chloride	18.7		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.9		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.8		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.2		1.50	5.00	ug/L
78-93-3	2-Butanone	94.3		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	16.5		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.9		0.19	1.00	ug/L
74-97-5	Bromochloromethane	16.0		0.22	1.00	ug/L
67-66-3	Chloroform	18.1		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.6		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	18.7		0.16	1.00	ug/L
71-43-2	Benzene	19.2		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.4		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.0		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.4		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	18.1		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L
108-88-3	Toluene	19.4		0.14	1.00	ug/L

Raw Data: **VV038985.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	National Grid Equity - Brooklyn NY	Date Received:	
Client Sample ID:	VV0821WBS01	SDG No.:	Q2924
Lab Sample ID:	VV0821WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV038985.D	1	08/21/25 17:09	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	17.9		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.5		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	17.6		0.21	1.00	ug/L
591-78-6	2-Hexanone	82.7		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	17.2		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.3		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	18.6		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.0		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.1		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	36.4		0.24	2.00	ug/L
95-47-6	o-Xylene	19.6		0.12	1.00	ug/L
100-42-5	Styrene	20.4		0.15	1.00	ug/L
75-25-2	Bromoform	18.6		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	19.7		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.8		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.6		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	18.6		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.1		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.0		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.4		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.0		74 - 125	110%	SPK: 50
1868-53-7	Dibromofluoromethane	44.8		75 - 124	90%	SPK: 50
2037-26-5	Toluene-d8	49.6		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.8		77 - 121	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	490000	4.597			
540-36-3	1,4-Difluorobenzene	864000	5.529			
3114-55-4	Chlorobenzene-d5	809000	8.773			
3855-82-1	1,4-Dichlorobenzene-d4	440000	11.172			

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	National Grid Equity - Brooklyn NY	Date Received:	
Client Sample ID:	VV0821WBS01	SDG No.:	Q2924
Lab Sample ID:	VV0821WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV038985.D	1	08/21/25 17:09	VV082125

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_V\DATA\VV082125\
Data File : VV038985.D
Acq On : 21 Aug 2025 17:09
Operator : SY/MD
Sample : VV0821WBS01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0821WBS01

Quant Time: Aug 22 04:32:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.597	168	490499	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	863998	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	809489	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	439751	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	378198	54.950	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 109.900%			
35) Dibromofluoromethane	4.500	113	289989	44.755	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 89.500%			
50) Toluene-d8	7.233	98	1120711	49.601	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 99.200%			
62) 4-Bromofluorobenzene	10.001	95	403171	48.777	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 97.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	126862	17.302	ug/l	99
3) Chloromethane	1.230	50	119286	15.750	ug/l	100
4) Vinyl Chloride	1.298	62	127570	15.963	ug/l	97
5) Bromomethane	1.497	94	82207	19.034	ug/l	94
6) Chloroethane	1.561	64	78834	19.359	ug/l	95
7) Trichlorofluoromethane	1.725	101	207921	18.992	ug/l	97
8) Diethyl Ether	1.918	74	67135	19.941	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.079	101	112416	18.602	ug/l	98
10) Methyl Iodide	2.195	142	153006	20.351	ug/l	97
11) Tert butyl alcohol	2.561	59	104440	112.116	ug/l	99
12) 1,1-Dichloroethene	2.082	96	106621	19.153	ug/l	98
13) Acrolein	2.011	56	34904	105.069	ug/l	99
14) Allyl chloride	2.355	41	145620	19.592	ug/l	96
15) Acrylonitrile	2.674	53	281151	99.869	ug/l	98
16) Acetone	2.118	43	259902	94.087	ug/l	99
17) Carbon Disulfide	2.253	76	297924	19.242	ug/l	100
18) Methyl Acetate	2.381	43	120330	20.552	ug/l	95
19) Methyl tert-butyl Ether	2.709	73	333812	20.280	ug/l	97
20) Methylene Chloride	2.455	84	120112	18.711	ug/l	95
21) trans-1,2-Dichloroethene	2.703	96	109755	18.929	ug/l	99
22) Diisopropyl ether	3.211	45	305126	18.698	ug/l	91
23) Vinyl Acetate	3.188	43	1225637	93.602	ug/l	97
24) 1,1-Dichloroethane	3.118	63	192803	17.836	ug/l	99
25) 2-Butanone	3.863	43	338988	94.317	ug/l	99
26) 2,2-Dichloropropane	3.812	77	176923	17.061	ug/l	98
27) cis-1,2-Dichloroethene	3.822	96	124971	17.858	ug/l	97
28) Bromochloromethane	4.150	49	38443	15.980	ug/l	94
29) Tetrahydrofuran	4.230	42	233606	97.368	ug/l	94
30) Chloroform	4.278	83	223556	18.097	ug/l	100
31) Cyclohexane	4.584	56	175605	18.207	ug/l	97
32) 1,1,1-Trichloroethane	4.510	97	204070	17.584	ug/l	97
36) 1,1-Dichloropropene	4.744	75	147297	17.505	ug/l	99
37) Ethyl Acetate	3.976	43	131474	15.992	ug/l	94
38) Carbon Tetrachloride	4.735	117	185761	16.485	ug/l	94
39) Methylcyclohexane	6.047	83	201515	18.742	ug/l	94
40) Benzene	5.008	78	506623	19.222	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038985.D
Acq On : 21 Aug 2025 17:09
Operator : SY/MD
Sample : VV0821WBS01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0821WBS01

Quant Time: Aug 22 04:32:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.162	41	52385	16.909	ug/l		96
42) 1,2-Dichloroethane	5.040	62	177582	18.430	ug/l		100
43) Isopropyl Acetate	5.191	43	246073	19.616	ug/l		96
44) Trichloroethene	5.834	130	129020	18.047	ug/l		96
45) 1,2-Dichloropropane	6.088	63	122779	19.424	ug/l		97
46) Dibromomethane	6.227	93	93037	17.542	ug/l		97
47) Bromodichloromethane	6.426	83	195577	18.119	ug/l		100
48) Methyl methacrylate	6.297	41	111903	19.900	ug/l		94
49) 1,4-Dioxane	6.291	88	41073	436.826	ug/l		98
51) 4-Methyl-2-Pentanone	7.146	43	883916	107.313	ug/l		97
52) Toluene	7.307	92	323065	19.355	ug/l		99
53) t-1,3-Dichloropropene	7.574	75	180247	17.863	ug/l		99
54) cis-1,3-Dichloropropene	6.947	75	203555	19.469	ug/l		98
55) 1,1,2-Trichloroethane	7.760	97	128045	17.594	ug/l		98
56) Ethyl methacrylate	7.715	69	167296	16.176	ug/l		99
57) 1,3-Dichloropropane	7.934	76	206105	18.162	ug/l		99
58) 2-Chloroethyl Vinyl ether	6.809	63	458173	94.808	ug/l		96
59) 2-Hexanone	8.063	43	638602	82.678	ug/l		98
60) Dibromochloromethane	8.166	129	150787	17.159	ug/l		97
61) 1,2-Dibromoethane	8.275	107	138439	18.335	ug/l		99
64) Tetrachloroethene	7.895	164	112260	18.638	ug/l		99
65) Chlorobenzene	8.805	112	351260	17.997	ug/l		98
66) 1,1,1,2-Tetrachloroethane	8.899	131	129238	18.446	ug/l		98
67) Ethyl Benzene	8.937	91	568699	19.087	ug/l		99
68) m/p-Xylenes	9.063	106	421252	36.403	ug/l		100
69) o-Xylene	9.468	106	206223	19.553	ug/l		98
70) Styrene	9.487	104	368409	20.360	ug/l		100
71) Bromoform	9.654	173	107247	18.578	ug/l	#	99
73) Isopropylbenzene	9.857	105	582248	19.732	ug/l		100
74) N-amyl acetate	9.725	43	213401	19.739	ug/l		99
75) 1,1,2,2-Tetrachloroethane	10.165	83	209056	17.839	ug/l		99
76) 1,2,3-Trichloropropane	10.198	75	153953	18.874	ug/l		98
77) Bromobenzene	10.143	156	144042	18.999	ug/l		99
78) n-propylbenzene	10.278	91	693650	19.688	ug/l		99
79) 2-Chlorotoluene	10.349	91	422932	19.993	ug/l		99
80) 1,3,5-Trimethylbenzene	10.464	105	494427	19.910	ug/l		98
81) trans-1,4-Dichloro-2-b...	9.931	75	69104	19.451	ug/l		98
82) 4-Chlorotoluene	10.464	91	484923	19.889	ug/l		100
83) tert-Butylbenzene	10.789	119	478883	19.421	ug/l		99
84) 1,2,4-Trimethylbenzene	10.841	105	485595	20.434	ug/l		99
85) sec-Butylbenzene	11.011	105	630180	19.651	ug/l		99
86) p-Isopropyltoluene	11.169	119	538824	19.952	ug/l		99
87) 1,3-Dichlorobenzene	11.108	146	278315	18.590	ug/l		99
88) 1,4-Dichlorobenzene	11.198	146	299436	18.750	ug/l		99
89) n-Butylbenzene	11.580	91	483857	18.390	ug/l		99
90) Hexachloroethane	11.821	117	112062	17.955	ug/l		98
91) 1,2-Dichlorobenzene	11.567	146	265789	18.619	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.352	75	43564	19.113	ug/l		97
93) 1,2,4-Trichlorobenzene	13.185	180	145129	17.037	ug/l		99
94) Hexachlorobutadiene	13.368	225	71734	16.334	ug/l		98
95) Naphthalene	13.426	128	473656	17.619	ug/l		100
96) 1,2,3-Trichlorobenzene	13.667	180	158178	18.415	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038985.D
Acq On : 21 Aug 2025 17:09
Operator : SY/MD
Sample : VV0821WBS01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0821WBS01

Quant Time: Aug 22 04:32:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

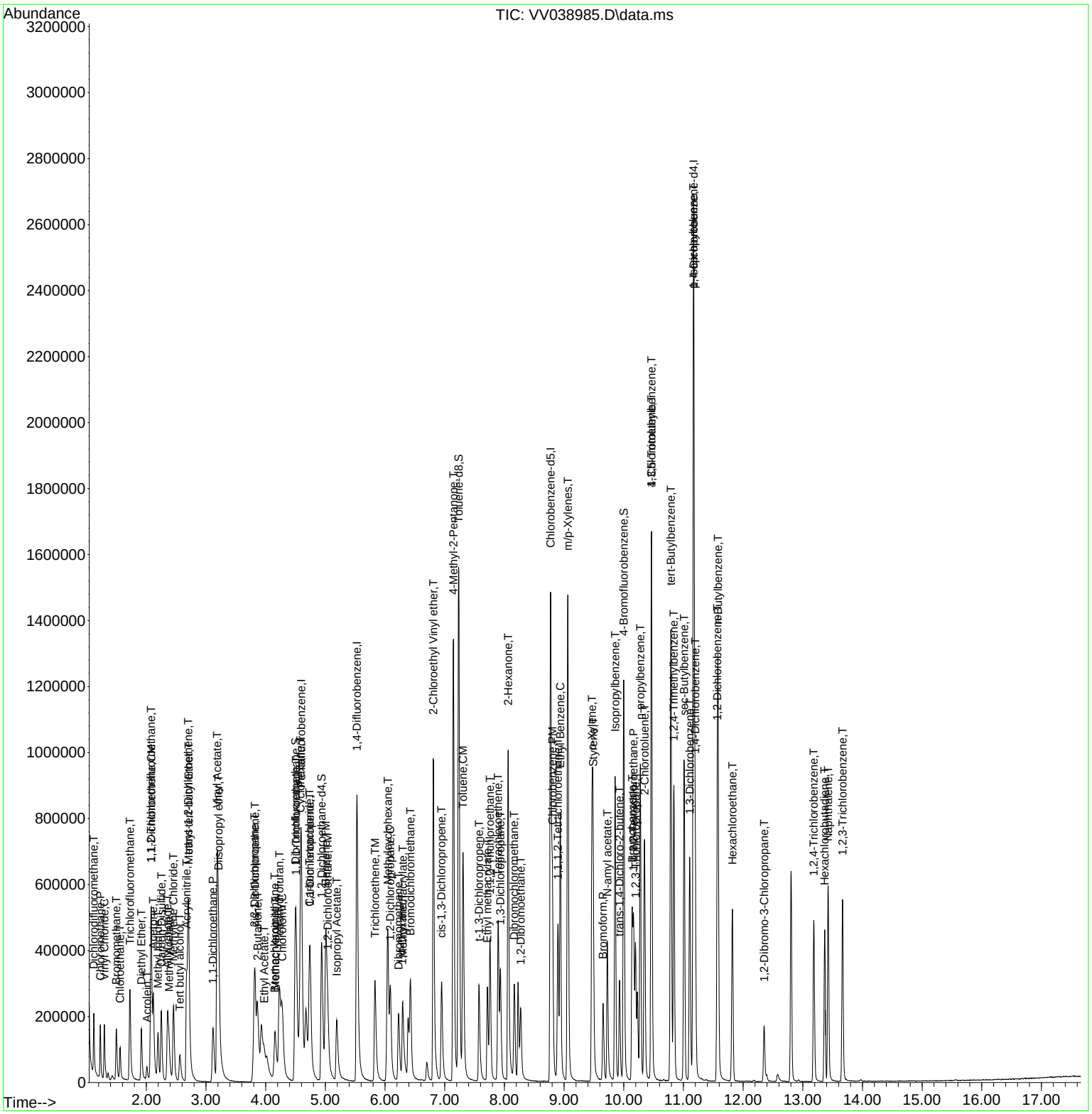
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038985.D
Acq On : 21 Aug 2025 17:09
Operator : SY/MD
Sample : VV0821WBS01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0821WBS01

Quant Time: Aug 22 04:32:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration



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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	National Grid Equity - Brooklyn NY	Date Received:	
Client Sample ID:	VV0822WBS01	SDG No.:	Q2924
Lab Sample ID:	VV0822WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039011.D	1	08/22/25 11:22	VV082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	16.0		0.22	1.00	ug/L
74-87-3	Chloromethane	15.7		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	16.7		0.26	1.00	ug/L
74-83-9	Bromomethane	19.2		1.40	5.00	ug/L
75-00-3	Chloroethane	21.3		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.7		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.1		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	21.7		0.23	1.00	ug/L
67-64-1	Acetone	120		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	22.2		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	23.6		0.16	1.00	ug/L
79-20-9	Methyl Acetate	26.9		0.27	1.00	ug/L
75-09-2	Methylene Chloride	20.7		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	21.7		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.8		0.23	1.00	ug/L
110-82-7	Cyclohexane	21.4		1.50	5.00	ug/L
78-93-3	2-Butanone	120		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	16.1		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.9		0.19	1.00	ug/L
74-97-5	Bromochloromethane	25.1		0.22	1.00	ug/L
67-66-3	Chloroform	19.1		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.7		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	19.8		0.16	1.00	ug/L
71-43-2	Benzene	19.4		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	17.5		0.22	1.00	ug/L
79-01-6	Trichloroethene	17.6		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.5		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	17.6		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L
108-88-3	Toluene	19.6		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:	AECOM	Date Collected:	
Project:	National Grid Equity - Brooklyn NY	Date Received:	
Client Sample ID:	VV0822WBS01	SDG No.:	Q2924
Lab Sample ID:	VV0822WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039011.D	1	08/22/25 11:22	VV082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.8		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.1		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	17.6		0.21	1.00	ug/L
591-78-6	2-Hexanone	85.6		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	16.8		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.3		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	18.3		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.8		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	20.7		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	41.0		0.24	2.00	ug/L
95-47-6	o-Xylene	20.8		0.12	1.00	ug/L
100-42-5	Styrene	21.4		0.15	1.00	ug/L
75-25-2	Bromoform	17.7		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	21.5		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.5		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.6		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.7		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.4		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	21.2		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.9		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.9		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.5		74 - 125	97%	SPK: 50
1868-53-7	Dibromofluoromethane	46.0		75 - 124	92%	SPK: 50
2037-26-5	Toluene-d8	46.3		86 - 113	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		77 - 121	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	711000	4.6			
540-36-3	1,4-Difluorobenzene	1220000	5.532			
3114-55-4	Chlorobenzene-d5	1110000	8.773			
3855-82-1	1,4-Dichlorobenzene-d4	587000	11.172			

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	National Grid Equity - Brooklyn NY	Date Received:	
Client Sample ID:	VV0822WBS01	SDG No.:	Q2924
Lab Sample ID:	VV0822WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039011.D	1	08/22/25 11:22	VV082225

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_V\DATA\VV082225\
Data File : VV039011.D
Acq On : 22 Aug 2025 11:22
Operator : SY/MD
Sample : VV0822WBS01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0822WBS01

Quant Time: Aug 25 02:20:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	711068	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1223613	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1111109	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	587275	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	483673	48.476	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 96.960%			
35) Dibromofluoromethane	4.500	113	422239	46.013	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 92.020%			
50) Toluene-d8	7.233	98	1481838	46.309	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 92.620%			
62) 4-Bromofluorobenzene	10.001	95	567460	48.476	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 96.960%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	169776	15.972	ug/l	97
3) Chloromethane	1.230	50	172603	15.720	ug/l	99
4) Vinyl Chloride	1.297	62	193558	16.707	ug/l	100
5) Bromomethane	1.497	94	120281	19.211	ug/l	100
6) Chloroethane	1.561	64	125697	21.292	ug/l	99
7) Trichlorofluoromethane	1.725	101	297228	18.728	ug/l	99
8) Diethyl Ether	1.918	74	112981	23.148	ug/l	82
9) 1,1,2-Trichlorotrifluo...	2.079	101	176458	20.142	ug/l	93
10) Methyl Iodide	2.198	142	153289	14.064	ug/l	95
11) Tert butyl alcohol	2.564	59	178290	132.025	ug/l	98
12) 1,1-Dichloroethene	2.082	96	174867	21.668	ug/l	91
13) Acrolein	2.008	56	58001	123.317	ug/l	94
14) Allyl chloride	2.359	41	291036	27.010	ug/l	89
15) Acrylonitrile	2.674	53	503757	123.435	ug/l	99
16) Acetone	2.117	43	487976	121.856	ug/l	100
17) Carbon Disulfide	2.252	76	498125	22.192	ug/l	100
18) Methyl Acetate	2.381	43	227939	26.855	ug/l	93
19) Methyl tert-butyl Ether	2.709	73	563864	23.630	ug/l	95
20) Methylene Chloride	2.458	84	192590	20.695	ug/l	93
21) trans-1,2-Dichloroethene	2.703	96	182719	21.738	ug/l	96
22) Diisopropyl ether	3.211	45	563676	23.827	ug/l	87
23) Vinyl Acetate	3.188	43	2299864	121.158	ug/l	96
24) 1,1-Dichloroethane	3.121	63	325550	20.774	ug/l	98
25) 2-Butanone	3.863	43	626272	120.198	ug/l	97
26) 2,2-Dichloropropane	3.809	77	288865	19.216	ug/l	100
27) cis-1,2-Dichloroethene	3.821	96	212380	20.934	ug/l	97
28) Bromochloromethane	4.146	49	82546	25.098	ug/l	81
29) Tetrahydrofuran	4.233	42	420322	120.849	ug/l	90
30) Chloroform	4.278	83	342387	19.119	ug/l	96
31) Cyclohexane	4.584	56	298623	21.358	ug/l	96
32) 1,1,1-Trichloroethane	4.513	97	298314	17.731	ug/l	98
36) 1,1-Dichloropropene	4.747	75	225102	18.889	ug/l	96
37) Ethyl Acetate	3.976	43	246414	21.163	ug/l	96
38) Carbon Tetrachloride	4.735	117	256830	16.093	ug/l	99
39) Methylcyclohexane	6.046	83	301335	19.789	ug/l	96
40) Benzene	5.011	78	723728	19.390	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082225\
Data File : VV039011.D
Acq On : 22 Aug 2025 11:22
Operator : SY/MD
Sample : VV0822WBS01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0822WBS01

Quant Time: Aug 25 02:20:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.162	41	95640	21.798	ug/l	#	95
42) 1,2-Dichloroethane	5.040	62	238424	17.472	ug/l		97
43) Isopropyl Acetate	5.191	43	383313	21.576	ug/l		96
44) Trichloroethene	5.834	130	178522	17.632	ug/l		91
45) 1,2-Dichloropropane	6.088	63	174907	19.539	ug/l		99
46) Dibromomethane	6.227	93	132040	17.579	ug/l		96
47) Bromodichloromethane	6.426	83	269457	17.627	ug/l		99
48) Methyl methacrylate	6.297	41	173885	21.834	ug/l		92
49) 1,4-Dioxane	6.291	88	64079	481.212	ug/l		99
51) 4-Methyl-2-Pentanone	7.146	43	1295308	111.041	ug/l		97
52) Toluene	7.307	92	464422	19.646	ug/l		98
53) t-1,3-Dichloropropene	7.577	75	268515	18.789	ug/l		99
54) cis-1,3-Dichloropropene	6.947	75	297722	20.107	ug/l		97
55) 1,1,2-Trichloroethane	7.760	97	181577	17.617	ug/l		99
56) Ethyl methacrylate	7.715	69	259746	17.539	ug/l		97
57) 1,3-Dichloropropane	7.934	76	300100	18.672	ug/l		99
58) 2-Chloroethyl Vinyl ether	6.809	63	728562	105.659	ug/l		94
59) 2-Hexanone	8.062	43	939591	85.593	ug/l		100
60) Dibromochloromethane	8.165	129	208554	16.757	ug/l		100
61) 1,2-Dibromoethane	8.275	107	195674	18.299	ug/l		100
64) Tetrachloroethene	7.899	164	151467	18.320	ug/l		98
65) Chlorobenzene	8.805	112	504227	18.822	ug/l		99
66) 1,1,1,2-Tetrachloroethane	8.898	131	177471	18.454	ug/l		98
67) Ethyl Benzene	8.937	91	845777	20.681	ug/l		100
68) m/p-Xylenes	9.062	106	650761	40.971	ug/l		99
69) o-Xylene	9.468	106	301415	20.820	ug/l		97
70) Styrene	9.487	104	531727	21.408	ug/l		100
71) Bromoform	9.654	173	140378	17.716	ug/l	#	97
73) Isopropylbenzene	9.857	105	848803	21.539	ug/l		100
74) N-amyl acetate	9.725	43	328035	22.720	ug/l		99
75) 1,1,2,2-Tetrachloroethane	10.165	83	290305	18.549	ug/l		98
76) 1,2,3-Trichloropropane	10.197	75	215047	19.741	ug/l		97
77) Bromobenzene	10.143	156	199933	19.746	ug/l		97
78) n-propylbenzene	10.278	91	994866	21.144	ug/l		100
79) 2-Chlorotoluene	10.349	91	596013	21.098	ug/l		98
80) 1,3,5-Trimethylbenzene	10.464	105	705518	21.274	ug/l		100
81) trans-1,4-Dichloro-2-b...	9.931	75	95539	20.136	ug/l		97
82) 4-Chlorotoluene	10.464	91	689787	21.185	ug/l		99
83) tert-Butylbenzene	10.789	119	710863	21.587	ug/l		99
84) 1,2,4-Trimethylbenzene	10.841	105	715608	22.548	ug/l		98
85) sec-Butylbenzene	11.011	105	945306	22.073	ug/l		99
86) p-Isopropyltoluene	11.168	119	771372	21.388	ug/l		100
87) 1,3-Dichlorobenzene	11.107	146	391168	19.565	ug/l		99
88) 1,4-Dichlorobenzene	11.197	146	399628	18.738	ug/l		98
89) n-Butylbenzene	11.580	91	730918	20.801	ug/l		99
90) Hexachloroethane	11.821	117	149961	17.991	ug/l		93
91) 1,2-Dichlorobenzene	11.567	146	370771	19.449	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.352	75	64378	21.150	ug/l		88
93) 1,2,4-Trichlorobenzene	13.184	180	226476	19.908	ug/l		99
94) Hexachlorobutadiene	13.371	225	101272	17.268	ug/l		98
95) Naphthalene	13.426	128	788574	21.965	ug/l		99
96) 1,2,3-Trichlorobenzene	13.667	180	227696	19.850	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082225\
Data File : VV039011.D
Acq On : 22 Aug 2025 11:22
Operator : SY/MD
Sample : VV0822WBS01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0822WBS01

Quant Time: Aug 25 02:20:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

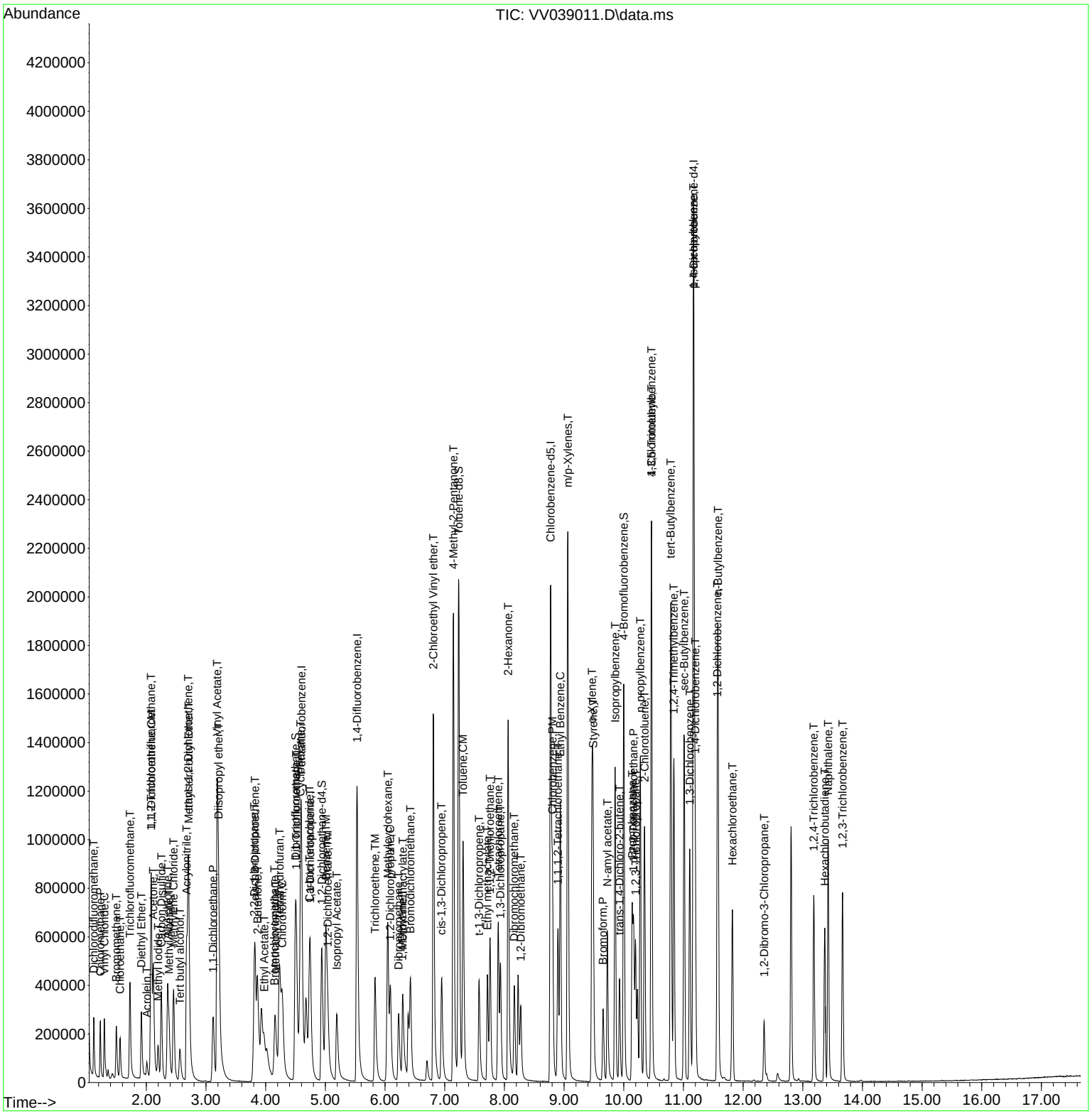
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082225\
Data File : VV039011.D
Acq On : 22 Aug 2025 11:22
Operator : SY/MD
Sample : VV0822WBS01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0822WBS01

Quant Time: Aug 25 02:20:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration



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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-201-082025MS	SDG No.:	Q2924
Lab Sample ID:	Q2924-03MS	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039005.D	1	08/22/25 00:20	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	38.4		0.22	5.00	ug/L
74-87-3	Chloromethane	32.4		0.32	5.00	ug/L
75-01-4	Vinyl Chloride	39.7		0.26	5.00	ug/L
74-83-9	Bromomethane	24.9		1.40	5.00	ug/L
75-00-3	Chloroethane	52.0		0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	45.7		0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	44.6		0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	49.2		0.23	5.00	ug/L
67-64-1	Acetone	210		1.50	25.0	ug/L
75-15-0	Carbon Disulfide	47.5		0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	55.4		0.16	5.00	ug/L
79-20-9	Methyl Acetate	47.7		0.27	5.00	ug/L
75-09-2	Methylene Chloride	43.3		0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	220	E	0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	42.5		0.23	5.00	ug/L
110-82-7	Cyclohexane	41.1		1.50	5.00	ug/L
78-93-3	2-Butanone	230		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	42.2		0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	170	E	0.19	5.00	ug/L
74-97-5	Bromochloromethane	45.2		0.22	5.00	ug/L
67-66-3	Chloroform	41.8		0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	42.5		0.20	5.00	ug/L
108-87-2	Methylcyclohexane	45.2		0.16	5.00	ug/L
71-43-2	Benzene	1600	E	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	180	E	0.22	5.00	ug/L
79-01-6	Trichloroethene	74.0		0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	40.8		0.20	5.00	ug/L
75-27-4	Bromodichloromethane	40.6		0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	220		0.68	25.0	ug/L
108-88-3	Toluene	3300	E	0.14	5.00	ug/L

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-201-082025MS	SDG No.:	Q2924
Lab Sample ID:	Q2924-03MS	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039005.D	1	08/22/25 00:20	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	41.0		0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	42.6		0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	37.2		0.21	5.00	ug/L
591-78-6	2-Hexanone	160		0.89	25.0	ug/L
124-48-1	Dibromochloromethane	38.7		0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	39.9		0.15	5.00	ug/L
127-18-4	Tetrachloroethene	43.7		0.23	5.00	ug/L
108-90-7	Chlorobenzene	44.2		0.12	5.00	ug/L
100-41-4	Ethyl Benzene	650	E	0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	2300	E	0.24	10.0	ug/L
95-47-6	o-Xylene	2200	E	0.12	5.00	ug/L
100-42-5	Styrene	1800	E	0.15	5.00	ug/L
75-25-2	Bromoform	45.4		0.19	5.00	ug/L
98-82-8	Isopropylbenzene	43.6		0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	28.9		0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	45.0		0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	43.8		0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	46.1		0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	46.0		0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	51.9		0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	51.6		0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.4		74 - 125	101%	SPK: 50
1868-53-7	Dibromofluoromethane	44.4		75 - 124	89%	SPK: 50
2037-26-5	Toluene-d8	43.9		86 - 113	88%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.0		77 - 121	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	528000	4.603			
540-36-3	1,4-Difluorobenzene	848000	5.535			
3114-55-4	Chlorobenzene-d5	744000	8.78			
3855-82-1	1,4-Dichlorobenzene-d4	532000	11.178			

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-201-082025MS	SDG No.:	Q2924
Lab Sample ID:	Q2924-03MS	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039005.D	1	08/22/25 00:20	VV082125

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_V\DATA\VV082125\
Data File : VV039005.D
Acq On : 22 Aug 2025 00:20
Operator : SY/MD
Sample : Q2924-03MS
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 22 04:43:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025MS

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.603	168	528363	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	848358	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.780	117	744435	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.178	152	531973	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.950	65	373716	50.408	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 100.820%			
35) Dibromofluoromethane	4.500	113	282258	44.365	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 88.720%			
50) Toluene-d8	7.252	98	973361	43.874	ug/l	0.02
Spiked Amount 50.000	Range 89 - 112		Recovery = 87.740%#			
62) 4-Bromofluorobenzene	10.005	95	365259	45.005	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 90.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.118	85	303471	38.422	ug/l	98
3) Chloromethane	1.227	50	264332	32.399	ug/l	97
4) Vinyl Chloride	1.294	62	341661	39.689	ug/l #	75
5) Bromomethane	1.491	94	115891	24.910	ug/l	98
6) Chloroethane	1.558	64	227959	51.967	ug/l	94
7) Trichlorofluoromethane	1.722	101	539007	45.705	ug/l	98
8) Diethyl Ether	1.915	74	177950	49.068	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.079	101	290114	44.567	ug/l	99
10) Methyl Iodide	2.195	142	257181	31.755	ug/l	97
11) Tert butyl alcohol	2.564	59	294699	293.688	ug/l	99
12) 1,1-Dichloroethene	2.079	96	294988	49.193	ug/l	98
13) Acrolein	2.008	56	79586	244.385	ug/l #	1
14) Allyl chloride	2.355	41	360185	44.987	ug/l	94
15) Acrylonitrile	2.671	53	745777	245.927	ug/l	99
16) Acetone	2.118	43	638108	214.447	ug/l	98
17) Carbon Disulfide	2.253	76	792306	47.504	ug/l	99
18) Methyl Acetate	2.378	43	300683	47.675	ug/l	99
19) Methyl tert-butyl Ether	2.709	73	981544	55.357	ug/l	99
20) Methylene Chloride	2.455	84	299675	43.337	ug/l	100
21) trans-1,2-Dichloroethene	2.699	96	1361690	218.019	ug/l	99
22) Diisopropyl ether	3.211	45	753895	42.887	ug/l	99
23) Vinyl Acetate	3.185	43	3020801	214.166	ug/l	100
24) 1,1-Dichloroethane	3.117	63	494589	42.475	ug/l	99
25) 2-Butanone	3.860	43	890827	230.095	ug/l	97
26) 2,2-Dichloropropane	3.812	77	381196	34.126	ug/l	79
27) cis-1,2-Dichloroethene	3.815	96	1272503	168.804	ug/l	92
28) Bromochloromethane	4.150	49	110475	45.246	ug/l	95
29) Tetrahydrofuran	4.230	42	580495	224.615	ug/l	99
30) Chloroform	4.278	83	556744	41.840	ug/l	99
31) Cyclohexane	4.587	56	426988	41.099	ug/l	99
32) 1,1,1-Trichloroethane	4.516	97	531225	42.493	ug/l	99
36) 1,1-Dichloropropene	4.748	75	364570	44.124	ug/l #	75
37) Ethyl Acetate	3.973	43	340498	42.179	ug/l	100
38) Carbon Tetrachloride	4.738	117	466553	42.166	ug/l	100
39) Methylcyclohexane	6.050	83	476755	45.158	ug/l	96
40) Benzene	4.989	78	41930506m	1620.268	ug/l	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039005.D
Acq On : 22 Aug 2025 00:20
Operator : SY/MD
Sample : Q2924-03MS
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 22 04:43:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025MS

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.156	41	158767	52.193	ug/l		95
42) 1,2-Dichloroethane	5.031	62	1735360	183.424	ug/l		81
43) Isopropyl Acetate	5.191	43	531788	43.173	ug/l		99
44) Trichloroethene	5.831	130	519245	73.970	ug/l		97
45) 1,2-Dichloropropane	6.092	63	252945	40.755	ug/l		99
46) Dibromomethane	6.227	93	217643	41.792	ug/l		97
47) Bromodichloromethane	6.429	83	429789	40.551	ug/l		97
48) Methyl methacrylate	6.297	41	264389	47.883	ug/l		100
49) 1,4-Dioxane	6.291	88	102442	1109.594	ug/l		93
51) 4-Methyl-2-Pentanone	7.178	43	1772089	219.109	ug/l		97
52) Toluene	7.301	92	53540345m	3266.734	ug/l		
53) t-1,3-Dichloropropene	7.580	75	406327	41.009	ug/l		99
54) cis-1,3-Dichloropropene	6.953	75	437820	42.648	ug/l		97
55) 1,1,2-Trichloroethane	7.764	97	265575	37.164	ug/l		99
56) Ethyl methacrylate	7.719	69	416515	38.555	ug/l		95
57) 1,3-Dichloropropane	7.937	76	431420	38.717	ug/l		99
59) 2-Hexanone	8.066	43	1247929	160.267	ug/l		96
60) Dibromochloromethane	8.172	129	334184	38.729	ug/l		100
61) 1,2-Dibromoethane	8.278	107	295667	39.881	ug/l		99
64) Tetrachloroethene	7.902	164	242011	43.690	ug/l		98
65) Chlorobenzene	8.809	112	793712	44.220	ug/l		99
66) 1,1,1,2-Tetrachloroethane	8.905	131	285787	44.354	ug/l		99
67) Ethyl Benzene	8.934	91	17701281m	646.013	ug/l		
68) m/p-Xylenes	9.063	106	24487808m	2301.099	ug/l		
69) o-Xylene	9.481	106	21358696	2202.040	ug/l	#	1
70) Styrene	9.487	104	29432110m	1768.662	ug/l		
71) Bromoform	9.664	173	240829	45.364	ug/l	#	98
73) Isopropylbenzene	9.860	105	1555867	43.586	ug/l		100
74) N-amyl acetate	9.728	43	434797	33.245	ug/l		93
75) 1,1,2,2-Tetrachloroethane	10.169	83	409312	28.872	ug/l		99
76) 1,2,3-Trichloropropane	10.201	75	351803m	35.653	ug/l		
77) Bromobenzene	10.143	156	337419	36.789	ug/l		93
78) n-propylbenzene	10.281	91	2510535	58.905	ug/l		100
79) 2-Chlorotoluene	10.352	91	1796442	70.201	ug/l		72
80) 1,3,5-Trimethylbenzene	10.468	105	5316872	176.987	ug/l		100
81) trans-1,4-Dichloro-2-b...	9.934	75	139975	32.569	ug/l		97
82) 4-Chlorotoluene	10.468	91	1563171	52.999	ug/l		84
83) tert-Butylbenzene	10.796	119	1273675	42.699	ug/l		98
84) 1,2,4-Trimethylbenzene	10.837	105	16808144m	584.663	ug/l		
85) sec-Butylbenzene	11.017	105	1862819	48.018	ug/l		100
86) p-Isopropyltoluene	11.172	119	1915758	58.640	ug/l		99
87) 1,3-Dichlorobenzene	11.111	146	814777	44.989	ug/l		100
88) 1,4-Dichlorobenzene	11.204	146	846726	43.830	ug/l		100
89) n-Butylbenzene	11.609	91	1694177	53.227	ug/l		91
90) Hexachloroethane	11.834	117	387766m	51.358	ug/l		
91) 1,2-Dichlorobenzene	11.577	146	795654	46.074	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.355	75	126783	45.982	ug/l		96
93) 1,2,4-Trichlorobenzene	13.191	180	535057	51.921	ug/l		100
94) Hexachlorobutadiene	13.394	225	199189	37.494	ug/l		99
95) Naphthalene	13.413	128	38765079m	1192.029	ug/l		
96) 1,2,3-Trichlorobenzene	13.670	180	536515	51.633	ug/l		98

Sample Results: **VV039005.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039005.D
Acq On : 22 Aug 2025 00:20
Operator : SY/MD
Sample : Q2924-03MS
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025MS

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 04:43:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

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

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

Sample Results: **VV039005.D**

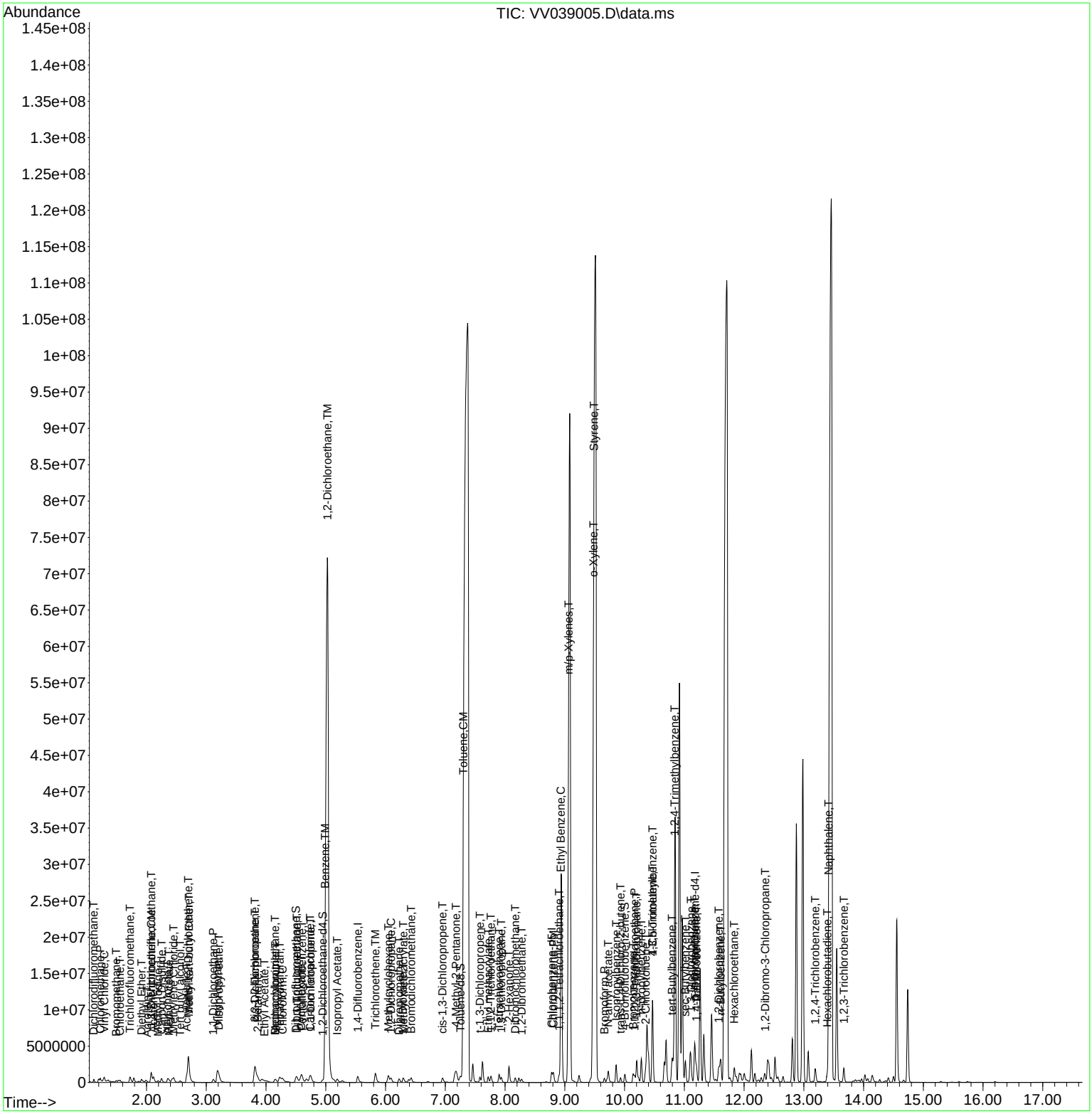
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039005.D
Acq On : 22 Aug 2025 00:20
Operator : SY/MD
Sample : Q2924-03MS
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 22 04:43:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025MS

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



Raw Data: **VV039006.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-201-082025MSD	SDG No.:	Q2924
Lab Sample ID:	Q2924-04MSD	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039006.D	1	08/22/25 00:42	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	44.7		0.22	5.00	ug/L
74-87-3	Chloromethane	49.3		0.32	5.00	ug/L
75-01-4	Vinyl Chloride	57.5		0.26	5.00	ug/L
74-83-9	Bromomethane	31.1		1.40	5.00	ug/L
75-00-3	Chloroethane	60.7		0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	47.5		0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	44.0		0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	54.6		0.23	5.00	ug/L
67-64-1	Acetone	260		1.50	25.0	ug/L
75-15-0	Carbon Disulfide	55.4		0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	67.5		0.16	5.00	ug/L
79-20-9	Methyl Acetate	61.9		0.27	5.00	ug/L
75-09-2	Methylene Chloride	53.6		0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	250	E	0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	49.1		0.23	5.00	ug/L
110-82-7	Cyclohexane	38.3		1.50	5.00	ug/L
78-93-3	2-Butanone	260		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	41.8		0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	180	E	0.19	5.00	ug/L
74-97-5	Bromochloromethane	47.4		0.22	5.00	ug/L
67-66-3	Chloroform	44.9		0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	43.5		0.20	5.00	ug/L
108-87-2	Methylcyclohexane	38.9		0.16	5.00	ug/L
71-43-2	Benzene	1600	E	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	180	E	0.22	5.00	ug/L
79-01-6	Trichloroethene	72.9		0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	43.1		0.20	5.00	ug/L
75-27-4	Bromodichloromethane	43.1		0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	230		0.68	25.0	ug/L
108-88-3	Toluene	3200	E	0.14	5.00	ug/L

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-201-082025MSD	SDG No.:	Q2924
Lab Sample ID:	Q2924-04MSD	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039006.D	1	08/22/25 00:42	VV082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	43.6		0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	45.0		0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	39.4		0.21	5.00	ug/L
591-78-6	2-Hexanone	170		0.89	25.0	ug/L
124-48-1	Dibromochloromethane	41.3		0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	42.9		0.15	5.00	ug/L
127-18-4	Tetrachloroethene	44.9		0.23	5.00	ug/L
108-90-7	Chlorobenzene	45.7		0.12	5.00	ug/L
100-41-4	Ethyl Benzene	650	E	0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	2300	E	0.24	10.0	ug/L
95-47-6	o-Xylene	2500	E	0.12	5.00	ug/L
100-42-5	Styrene	1900	E	0.15	5.00	ug/L
75-25-2	Bromoform	62.5		0.19	5.00	ug/L
98-82-8	Isopropylbenzene	61.7		0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	48.4		0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	49.8		0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	46.8		0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	51.5		0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	61.3		0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	55.9		0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	55.4		0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.6		74 - 125	105%	SPK: 50
1868-53-7	Dibromofluoromethane	47.2		75 - 124	94%	SPK: 50
2037-26-5	Toluene-d8	44.3		86 - 113	89%	SPK: 50
460-00-4	4-Bromofluorobenzene	60.7		77 - 121	121%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	517000	4.603			
540-36-3	1,4-Difluorobenzene	846000	5.532			
3114-55-4	Chlorobenzene-d5	728000	8.78			
3855-82-1	1,4-Dichlorobenzene-d4	478000	11.178			

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

Report of Analysis

Client:	AECOM	Date Collected:	08/20/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/20/25
Client Sample ID:	MW-201-082025MSD	SDG No.:	Q2924
Lab Sample ID:	Q2924-04MSD	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039006.D	1	08/22/25 00:42	VV082125

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_V\DATA\VV082125\
Data File : VV039006.D
Acq On : 22 Aug 2025 00:42
Operator : SY/MD
Sample : Q2924-04MSD
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 22 04:43:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025MSD

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.603	168	516721	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	845786	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.780	117	728229	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.178	152	478184	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.950	65	381291	52.588	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 105.180%			
35) Dibromofluoromethane	4.503	113	299483	47.215	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 94.440%			
50) Toluene-d8	7.252	98	980828	44.345	ug/l	0.02
Spiked Amount 50.000	Range 89 - 112		Recovery = 88.680%#			
62) 4-Bromofluorobenzene	10.005	95	491029	60.685	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 121.380%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.118	85	345061	44.672	ug/l	96
3) Chloromethane	1.227	50	393578	49.328	ug/l	100
4) Vinyl Chloride	1.294	62	484189	57.513	ug/l #	53
5) Bromomethane	1.491	94	141343	31.066	ug/l	96
6) Chloroethane	1.558	64	260534	60.731	ug/l	95
7) Trichlorofluoromethane	1.722	101	548381	47.548	ug/l	99
8) Diethyl Ether	1.915	74	211490	59.630	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.079	101	279952	43.975	ug/l	100
10) Methyl Iodide	2.195	142	363241	45.862	ug/l	97
11) Tert butyl alcohol	2.561	59	359205	366.038	ug/l	99
12) 1,1-Dichloroethene	2.079	96	320017	54.569	ug/l	98
13) Acrolein	2.008	56	101019	323.052	ug/l #	1
14) Allyl chloride	2.355	41	443165	56.598	ug/l	92
15) Acrylonitrile	2.671	53	949458	320.146	ug/l	99
16) Acetone	2.118	43	768715	264.160	ug/l	100
17) Carbon Disulfide	2.253	76	903551	55.395	ug/l	100
18) Methyl Acetate	2.378	43	381852	61.908	ug/l	98
19) Methyl tert-butyl Ether	2.706	73	1170536	67.503	ug/l	98
20) Methylene Chloride	2.455	84	362370	53.584	ug/l	97
21) trans-1,2-Dichloroethene	2.699	96	1523323	249.393	ug/l	99
22) Diisopropyl ether	3.214	45	879880	51.181	ug/l	87
23) Vinyl Acetate	3.185	43	3552898	257.566	ug/l	100
24) 1,1-Dichloroethane	3.117	63	559530	49.135	ug/l	99
25) 2-Butanone	3.857	43	976734	257.968	ug/l	99
26) 2,2-Dichloropropane	3.812	77	391984	35.883	ug/l	79
27) cis-1,2-Dichloroethene	3.815	96	1318826	178.890	ug/l	92
28) Bromochloromethane	4.150	49	113461	47.352	ug/l	95
29) Tetrahydrofuran	4.230	42	624314	247.013	ug/l	99
30) Chloroform	4.278	83	584578	44.921	ug/l	98
31) Cyclohexane	4.587	56	388628	38.250	ug/l	97
32) 1,1,1-Trichloroethane	4.516	97	531467	43.470	ug/l	99
36) 1,1-Dichloropropene	4.748	75	362867	44.051	ug/l #	75
37) Ethyl Acetate	3.970	43	363289	45.139	ug/l	98
38) Carbon Tetrachloride	4.738	117	461506	41.837	ug/l	98
39) Methylcyclohexane	6.050	83	408954	38.854	ug/l	97
40) Benzene	4.989	78	41786406m	1619.610	ug/l	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039006.D
Acq On : 22 Aug 2025 00:42
Operator : SY/MD
Sample : Q2924-04MSD
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 22 04:43:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025MSD

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.156	41	174654	57.590	ug/l		94
42) 1,2-Dichloroethane	5.031	62	1675883	177.676	ug/l		81
43) Isopropyl Acetate	5.191	43	576273	46.927	ug/l		98
44) Trichloroethene	5.831	130	510209	72.904	ug/l		97
45) 1,2-Dichloropropane	6.092	63	266643	43.093	ug/l		100
46) Dibromomethane	6.227	93	223003	42.951	ug/l		96
47) Bromodichloromethane	6.429	83	455485	43.106	ug/l		99
48) Methyl methacrylate	6.297	41	287412	52.211	ug/l		100
49) 1,4-Dioxane	6.291	88	105828	1149.755	ug/l	#	94
51) 4-Methyl-2-Pentanone	7.178	43	1893658	234.852	ug/l		97
52) Toluene	7.301	92	52309160m	3201.320	ug/l		
53) t-1,3-Dichloropropene	7.580	75	430866	43.618	ug/l		99
54) cis-1,3-Dichloropropene	6.953	75	460077	44.952	ug/l		97
55) 1,1,2-Trichloroethane	7.764	97	281002	39.442	ug/l		97
56) Ethyl methacrylate	7.719	69	449382	41.707	ug/l		94
57) 1,3-Dichloropropane	7.937	76	454247	40.889	ug/l		99
59) 2-Hexanone	8.066	43	1351114	174.475	ug/l		97
60) Dibromochloromethane	8.172	129	355683	41.346	ug/l		100
61) 1,2-Dibromoethane	8.278	107	317106	42.903	ug/l		99
64) Tetrachloroethene	7.902	164	243136	44.870	ug/l		99
65) Chlorobenzene	8.809	112	802400	45.699	ug/l		99
66) 1,1,1,2-Tetrachloroethane	8.902	131	293528	46.569	ug/l		99
67) Ethyl Benzene	8.934	91	17313419m	645.919	ug/l		
68) m/p-Xylenes	9.063	106	24381378m	2342.084	ug/l		
69) o-Xylene	9.474	106	23416839m	2467.957	ug/l		
70) Styrene	9.484	104	30239909m	1857.645	ug/l		
71) Bromoform	9.661	173	324713	62.527	ug/l	#	100
73) Isopropylbenzene	9.860	105	1978260	61.652	ug/l		100
74) N-amyl acetate	9.728	43	738894	62.852	ug/l		96
75) 1,1,2,2-Tetrachloroethane	10.169	83	617295	48.440	ug/l		99
76) 1,2,3-Trichloropropane	10.201	75	498808m	56.237	ug/l		
77) Bromobenzene	10.143	156	435579	52.834	ug/l		99
78) n-propylbenzene	10.281	91	3348625	87.407	ug/l		99
79) 2-Chlorotoluene	10.352	91	2328880	101.245	ug/l		72
80) 1,3,5-Trimethylbenzene	10.468	105	6683197	247.494	ug/l		99
81) trans-1,4-Dichloro-2-b...	9.934	75	211232	54.677	ug/l		99
82) 4-Chlorotoluene	10.468	91	2026734	76.446	ug/l		84
83) tert-Butylbenzene	10.796	119	1454326	54.239	ug/l		98
84) 1,2,4-Trimethylbenzene	10.837	105	16967058m	656.579	ug/l		
85) sec-Butylbenzene	11.017	105	1749648	50.174	ug/l		100
86) p-Isopropyltoluene	11.172	119	1833643	62.439	ug/l		99
87) 1,3-Dichlorobenzene	11.111	146	811237	49.833	ug/l		99
88) 1,4-Dichlorobenzene	11.204	146	813543	46.849	ug/l		99
89) n-Butylbenzene	11.609	91	1596814	55.811	ug/l		91
90) Hexachloroethane	11.834	117	357945m	52.741	ug/l		
91) 1,2-Dichlorobenzene	11.574	146	800159	51.547	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.355	75	151928	61.300	ug/l		97
93) 1,2,4-Trichlorobenzene	13.191	180	517941	55.914	ug/l		99
94) Hexachlorobutadiene	13.394	225	191018	40.001	ug/l		98
95) Naphthalene	13.413	128	38442747m	1315.089	ug/l		
96) 1,2,3-Trichlorobenzene	13.670	180	517828	55.441	ug/l		98

Sample Results: **VV039006.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039006.D
Acq On : 22 Aug 2025 00:42
Operator : SY/MD
Sample : Q2924-04MSD
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025MSD

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 04:43:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

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

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

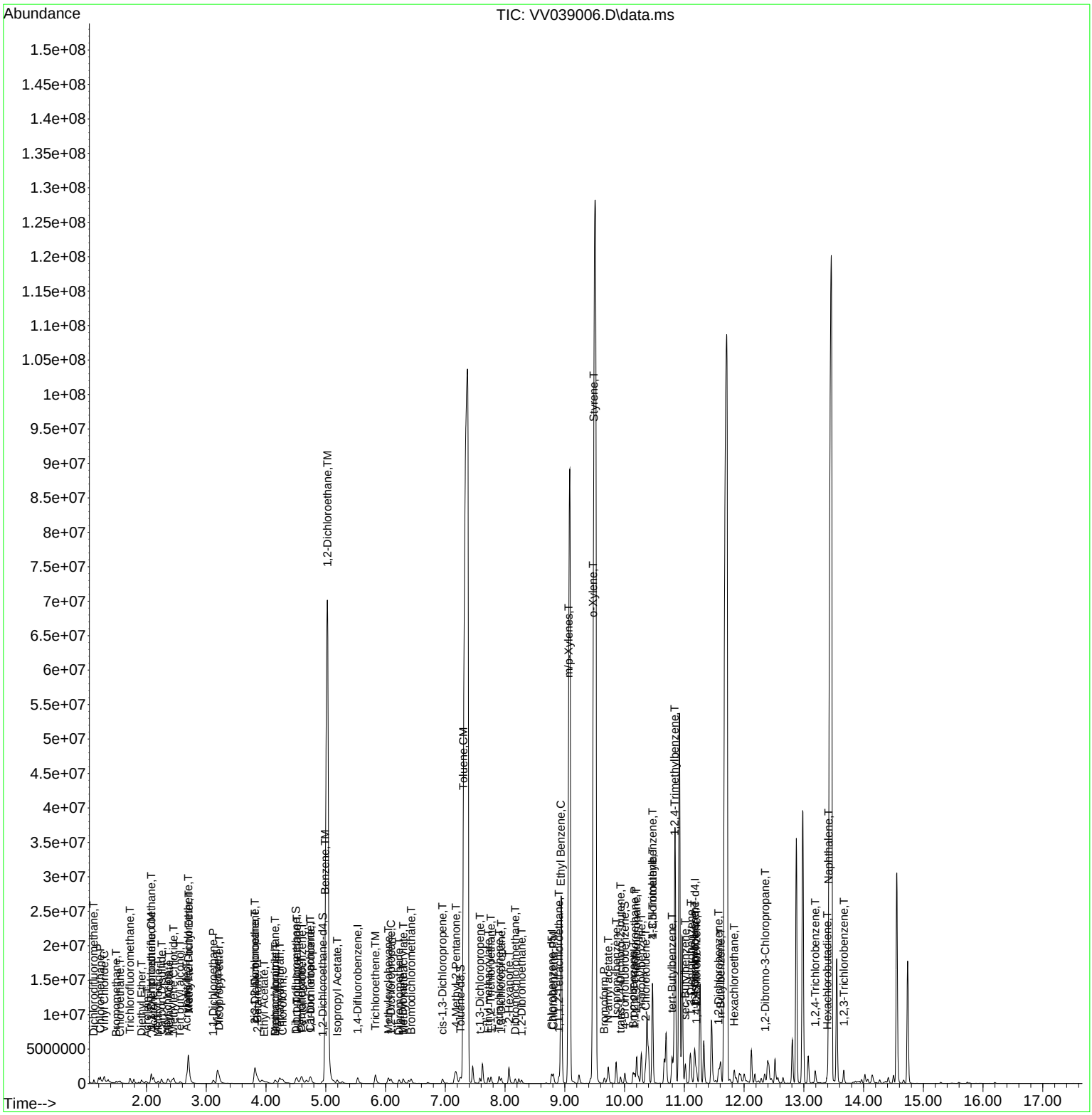
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV039006.D
Acq On : 22 Aug 2025 00:42
Operator : SY/MD
Sample : Q2924-04MSD
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 22 04:43:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
MW-201-082025MSD

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



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

Manual Integration Report

Sequence:	VV082125	Instrument	MSVOA_v

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VV038973.D	1,1-Dichloropropene	JOHN	8/22/2025 2:48:55 PM	MMDadoda	8/25/2025 1:27:47 PM	Peak Integrated by Software
VSTDICC001	VV038973.D	1,2-Dichloroethane	JOHN	8/22/2025 2:48:55 PM	MMDadoda	8/25/2025 1:27:47 PM	Peak Integrated by Software
VSTDICC001	VV038973.D	1,4-Dichlorobenzene	JOHN	8/22/2025 2:48:55 PM	MMDadoda	8/25/2025 1:27:47 PM	Peak Integrated by Software
VSTDICC001	VV038973.D	1,4-Dioxane	JOHN	8/22/2025 2:48:55 PM	MMDadoda	8/25/2025 1:27:47 PM	Peak Integrated by Software
VSTDICC001	VV038973.D	2-Butanone	JOHN	8/22/2025 2:48:55 PM	MMDadoda	8/25/2025 1:27:47 PM	Peak Integrated by Software
VSTDICC001	VV038973.D	Acrylonitrile	JOHN	8/22/2025 2:48:55 PM	MMDadoda	8/25/2025 1:27:47 PM	Peak Integrated by Software
VSTDICC001	VV038973.D	Bromochloromethane	JOHN	8/22/2025 2:48:55 PM	MMDadoda	8/25/2025 1:27:47 PM	Peak Integrated by Software
VSTDICC001	VV038973.D	Bromoform	JOHN	8/22/2025 2:48:55 PM	MMDadoda	8/25/2025 1:27:47 PM	Peak Integrated by Software
VSTDICC001	VV038973.D	Chloroethane	JOHN	8/22/2025 2:48:55 PM	MMDadoda	8/25/2025 1:27:47 PM	Peak Integrated by Software
VSTDICC001	VV038973.D	cis-1,2-Dichloroethene	JOHN	8/22/2025 2:48:55 PM	MMDadoda	8/25/2025 1:27:47 PM	Peak Integrated by Software
VSTDICC001	VV038973.D	Diisopropyl ether	JOHN	8/22/2025 2:48:55 PM	MMDadoda	8/25/2025 1:27:47 PM	Peak Integrated by Software
VSTDICC001	VV038973.D	Ethyl Acetate	JOHN	8/22/2025 2:48:55 PM	MMDadoda	8/25/2025 1:27:47 PM	Peak Integrated by Software
VSTDICC001	VV038973.D	Isopropyl Acetate	JOHN	8/22/2025 2:48:55 PM	MMDadoda	8/25/2025 1:27:47 PM	Peak Integrated by Software

Alliance TECHNICAL GROUP
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Manual Integration Report

Sequence:	VV082125	Instrument	MSVOA_v

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VV038973.D	Methacrylonitrile	JOHN	8/22/2025 2:48:55 PM	MMDadoda	8/25/2025 1:27:47 PM	Peak Integrated by Software
VSTDICC001	VV038973.D	Methyl Acetate	JOHN	8/22/2025 2:48:55 PM	MMDadoda	8/25/2025 1:27:47 PM	Peak Integrated by Software
VSTDICC001	VV038973.D	Methyl methacrylate	JOHN	8/22/2025 2:48:55 PM	MMDadoda	8/25/2025 1:27:47 PM	Peak Integrated by Software
VSTDICC001	VV038973.D	N-amyl acetate	JOHN	8/22/2025 2:48:55 PM	MMDadoda	8/25/2025 1:27:47 PM	Peak Integrated by Software
VSTDICC001	VV038973.D	Styrene	JOHN	8/22/2025 2:48:55 PM	MMDadoda	8/25/2025 1:27:47 PM	Peak Integrated by Software
VSTDICC001	VV038973.D	t-1,3-Dichloropropene	JOHN	8/22/2025 2:48:55 PM	MMDadoda	8/25/2025 1:27:47 PM	Peak Integrated by Software
VSTDICC001	VV038973.D	Tetrahydrofuran	JOHN	8/22/2025 2:48:55 PM	MMDadoda	8/25/2025 1:27:47 PM	Peak Integrated by Software
VSTDICC001	VV038973.D	Vinyl Acetate	JOHN	8/22/2025 2:48:55 PM	MMDadoda	8/25/2025 1:27:47 PM	Peak Integrated by Software
VSTDICC005	VV038974.D	Chloroethane	JOHN	8/22/2025 2:49:00 PM	MMDadoda	8/25/2025 1:27:48 PM	Peak Integrated by Software
VSTDICC005	VV038974.D	Ethyl Acetate	JOHN	8/22/2025 2:49:00 PM	MMDadoda	8/25/2025 1:27:48 PM	Peak Integrated by Software
VSTDICC005	VV038974.D	Methacrylonitrile	JOHN	8/22/2025 2:49:00 PM	MMDadoda	8/25/2025 1:27:48 PM	Peak Integrated by Software
VSTDICC100	VV038977.D	1,2,3-Trichloropropane	JOHN	8/22/2025 2:49:04 PM	MMDadoda	8/25/2025 1:27:50 PM	Peak Integrated by Software
VSTDICV050	VV038980.D	1,4-Dioxane	JOHN	8/22/2025 2:49:09 PM	MMDadoda	8/25/2025 1:27:53 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VV082125	Instrument	MSVOA_v

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2924-05	VV038998.D	Benzene	JOHN	8/22/2025 2:49:13 PM	MMDadoda	8/25/2025 1:27:55 PM	Peak Integrated by Software
Q2924-05	VV038998.D	Ethyl Benzene	JOHN	8/22/2025 2:49:13 PM	MMDadoda	8/25/2025 1:27:55 PM	Peak Integrated by Software
Q2924-02	VV039004.D	Benzene	JOHN	8/22/2025 2:49:19 PM	MMDadoda	8/25/2025 1:28:00 PM	Peak Integrated by Software
Q2924-02	VV039004.D	Ethyl Benzene	JOHN	8/22/2025 2:49:19 PM	MMDadoda	8/25/2025 1:28:00 PM	Peak Integrated by Software
Q2924-02	VV039004.D	m/p-Xylenes	JOHN	8/22/2025 2:49:19 PM	MMDadoda	8/25/2025 1:28:00 PM	Peak Integrated by Software
Q2924-02	VV039004.D	o-Xylene	JOHN	8/22/2025 2:49:19 PM	MMDadoda	8/25/2025 1:28:00 PM	Peak Integrated by Software
Q2924-02	VV039004.D	Styrene	JOHN	8/22/2025 2:49:19 PM	MMDadoda	8/25/2025 1:28:00 PM	Peak Integrated by Software
Q2924-02	VV039004.D	Toluene	JOHN	8/22/2025 2:49:19 PM	MMDadoda	8/25/2025 1:28:00 PM	Peak Integrated by Software
Q2924-03MS	VV039005.D	1,2,3-Trichloropropane	JOHN	8/22/2025 2:49:24 PM	MMDadoda	8/25/2025 1:28:02 PM	Peak Integrated by Software
Q2924-03MS	VV039005.D	1,2,4-Trimethylbenzene	JOHN	8/22/2025 2:49:24 PM	MMDadoda	8/25/2025 1:28:02 PM	Peak Integrated by Software
Q2924-03MS	VV039005.D	Benzene	JOHN	8/22/2025 2:49:24 PM	MMDadoda	8/25/2025 1:28:02 PM	Peak Integrated by Software
Q2924-03MS	VV039005.D	Ethyl Benzene	JOHN	8/22/2025 2:49:24 PM	MMDadoda	8/25/2025 1:28:02 PM	Peak Integrated by Software
Q2924-03MS	VV039005.D	Hexachloroethane	JOHN	8/22/2025 2:49:24 PM	MMDadoda	8/25/2025 1:28:02 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VV082125	Instrument	MSVOA_v

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2924-03MS	VV039005.D	m/p-Xylenes	JOHN	8/22/2025 2:49:24 PM	MMDadoda	8/25/2025 1:28:02 PM	Peak Integrated by Software
Q2924-03MS	VV039005.D	Naphthalene	JOHN	8/22/2025 2:49:24 PM	MMDadoda	8/25/2025 1:28:02 PM	Peak Integrated by Software
Q2924-03MS	VV039005.D	Styrene	JOHN	8/22/2025 2:49:24 PM	MMDadoda	8/25/2025 1:28:02 PM	Peak Integrated by Software
Q2924-03MS	VV039005.D	Toluene	JOHN	8/22/2025 2:49:24 PM	MMDadoda	8/25/2025 1:28:02 PM	Peak Integrated by Software
Q2924-04MSD	VV039006.D	1,2,3-Trichloropropane	JOHN	8/22/2025 2:49:29 PM	MMDadoda	8/25/2025 1:28:03 PM	Peak Integrated by Software
Q2924-04MSD	VV039006.D	1,2,4-Trimethylbenzene	JOHN	8/22/2025 2:49:29 PM	MMDadoda	8/25/2025 1:28:03 PM	Peak Integrated by Software
Q2924-04MSD	VV039006.D	Benzene	JOHN	8/22/2025 2:49:29 PM	MMDadoda	8/25/2025 1:28:03 PM	Peak Integrated by Software
Q2924-04MSD	VV039006.D	Ethyl Benzene	JOHN	8/22/2025 2:49:29 PM	MMDadoda	8/25/2025 1:28:03 PM	Peak Integrated by Software
Q2924-04MSD	VV039006.D	Hexachloroethane	JOHN	8/22/2025 2:49:29 PM	MMDadoda	8/25/2025 1:28:03 PM	Peak Integrated by Software
Q2924-04MSD	VV039006.D	m/p-Xylenes	JOHN	8/22/2025 2:49:29 PM	MMDadoda	8/25/2025 1:28:03 PM	Peak Integrated by Software
Q2924-04MSD	VV039006.D	Naphthalene	JOHN	8/22/2025 2:49:29 PM	MMDadoda	8/25/2025 1:28:03 PM	Peak Integrated by Software
Q2924-04MSD	VV039006.D	o-Xylene	JOHN	8/22/2025 2:49:29 PM	MMDadoda	8/25/2025 1:28:03 PM	Peak Integrated by Software
Q2924-04MSD	VV039006.D	Styrene	JOHN	8/22/2025 2:49:29 PM	MMDadoda	8/25/2025 1:28:03 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VV082125	Instrument	MSVOA_v

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2924-04MSD	VV039006.D	Toluene	JOHN	8/22/2025 2:49:29 PM	MMDadoda	8/25/2025 1:28:03 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VV082225	Instrument	MSVOA_v

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2924-02DL	VV039015.D	cis-1,2-Dichloroethene	Sam	8/25/2025 7:22:49 PM	MMDadoda	8/25/2025 7:23:42 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV082125

Review By	John Carlone	Review On	8/22/2025 2:49:52 PM				
Supervise By	Mahesh Dadoda	Supervise On	8/25/2025 1:28:31 PM				
SubDirectory	VV082125	HP Acquire Method	MSVOA_V		HP Processing Method	82v082125w.m	

STD. NAME	STD REF.#
Tune/Reschk	VP135223
Initial Calibration Stds	VP135224,VP135225,VP135226,VP135227,VP135228,VP135229
CCC	VP135232,VP135233
Internal Standard/PEM	VP133935
ICV/I.BLK	VP135230
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VV038972.D	21 Aug 2025 08:34	SY/MD	Ok
2	VSTDICC001	VV038973.D	21 Aug 2025 09:05	SY/MD	Ok,M
3	VSTDICC005	VV038974.D	21 Aug 2025 09:48	SY/MD	Ok,M
4	VSTDICC020	VV038975.D	21 Aug 2025 10:17	SY/MD	Ok
5	VSTDICCC050	VV038976.D	21 Aug 2025 10:38	SY/MD	Ok
6	VSTDICC100	VV038977.D	21 Aug 2025 11:02	SY/MD	Ok,M
7	VIBLK	VV038978.D	21 Aug 2025 11:23	SY/MD	Ok
8	VSTDICC010	VV038979.D	21 Aug 2025 11:45	SY/MD	Ok
9	VSTDICV050	VV038980.D	21 Aug 2025 12:56	SY/MD	Ok,M
10	BFB	VV038981.D	21 Aug 2025 15:11	SY/MD	Ok
11	VSTDCCC050	VV038982.D	21 Aug 2025 15:42	SY/MD	Ok
12	VV0821MBL01	VV038983.D	21 Aug 2025 16:12	SY/MD	Not Ok
13	VV0821WBL01	VV038984.D	21 Aug 2025 16:34	SY/MD	Ok
14	VV0821WBS01	VV038985.D	21 Aug 2025 17:09	SY/MD	Ok
15	VV0821WBSD01	VV038986.D	21 Aug 2025 17:30	SY/MD	Ok
16	Q2929-01	VV038987.D	21 Aug 2025 17:52	SY/MD	Ok
17	Q2929-02	VV038988.D	21 Aug 2025 18:14	SY/MD	Ok
18	Q2929-03	VV038989.D	21 Aug 2025 18:35	SY/MD	ReRun
19	Q2929-04	VV038990.D	21 Aug 2025 18:57	SY/MD	Ok
20	Q2930-01	VV038991.D	21 Aug 2025 19:18	SY/MD	Ok
21	Q2930-02	VV038992.D	21 Aug 2025 19:40	SY/MD	Ok

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Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV082125

Review By	John Carlone	Review On	8/22/2025 2:49:52 PM				
Supervise By	Mahesh Dadoda	Supervise On	8/25/2025 1:28:31 PM				
SubDirectory	VV082125	HP Acquire Method	MSVOA_V	HP Processing Method	82v082125w.m		

STD. NAME	STD REF.#
Tune/Reschk	VP135223
Initial Calibration Stds	VP135224,VP135225,VP135226,VP135227,VP135228,VP135229
CCC	VP135232,VP135233
Internal Standard/PEM	VP133935
ICV/I.BLK	VP135230
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2931-01	VV038993.D	21 Aug 2025 20:02	SY/MD	Ok
23	Q2925-01	VV038994.D	21 Aug 2025 20:23	SY/MD	Ok
24	Q2924-12	VV038995.D	21 Aug 2025 20:45	SY/MD	Ok
25	Q2924-11	VV038996.D	21 Aug 2025 21:06	SY/MD	Ok
26	Q2924-01	VV038997.D	21 Aug 2025 21:28	SY/MD	Ok
27	Q2924-05	VV038998.D	21 Aug 2025 21:49	SY/MD	Dilution
28	Q2924-06	VV038999.D	21 Aug 2025 22:11	SY/MD	Ok
29	Q2924-07	VV039000.D	21 Aug 2025 22:33	SY/MD	Ok
30	Q2924-08	VV039001.D	21 Aug 2025 22:54	SY/MD	Ok
31	Q2924-09	VV039002.D	21 Aug 2025 23:16	SY/MD	Ok
32	Q2924-10	VV039003.D	21 Aug 2025 23:37	SY/MD	Ok
33	Q2924-02	VV039004.D	21 Aug 2025 23:59	SY/MD	Dilution
34	Q2924-03MS	VV039005.D	22 Aug 2025 00:20	SY/MD	Ok,M
35	Q2924-04MSD	VV039006.D	22 Aug 2025 00:42	SY/MD	Ok,M
36	VSTDCCC050	VV039007.D	22 Aug 2025 01:03	SY/MD	Ok

M : Manual Integration

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Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV082225

Review By	Mahesh Dadoda	Review On	8/25/2025 7:23:51 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	8/25/2025 7:25:10 PM				
SubDirectory	VV082225	HP Acquire Method	MSVOA_V	HP Processing Method	82v082125w.m		

STD. NAME	STD REF.#
Tune/Reschk	VP135222
Initial Calibration Stds	
CCC	VP135238,VP135239
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VV039008.D	22 Aug 2025 07:56	SY/MD	Ok
2	VSTDCCC050	VV039009.D	22 Aug 2025 09:03	SY/MD	Ok
3	VV0822WBL01	VV039010.D	22 Aug 2025 10:55	SY/MD	Ok
4	VV0822WBS01	VV039011.D	22 Aug 2025 11:22	SY/MD	Ok
5	VV0822WBSD01	VV039012.D	22 Aug 2025 11:46	SY/MD	Ok
6	Q2929-03	VV039013.D	22 Aug 2025 13:26	SY/MD	Ok
7	Q2924-05DL	VV039014.D	22 Aug 2025 13:48	SY/MD	Dilution
8	Q2924-02DL	VV039015.D	22 Aug 2025 14:10	SY/MD	Dilution
9	VIBLK	VV039016.D	22 Aug 2025 14:31	SY/MD	Ok
10	Q2924-05DL2	VV039017.D	22 Aug 2025 15:06	SY/MD	Ok
11	Q2924-02DL2	VV039018.D	22 Aug 2025 15:27	SY/MD	Ok
12	VSTDCCC050	VV039019.D	22 Aug 2025 15:49	SY/MD	Ok

M : Manual Integration

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Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV082125

Review By	John Carlone	Review On	8/22/2025 2:49:52 PM		
Supervise By	Mahesh Dadoda	Supervise On	8/25/2025 1:28:31 PM		
SubDirectory	VV082125	HP Acquire Method	MSVOA_V	HP Processing Method	82v082125w.m

STD. NAME	STD REF.#
Tune/Reschk	VP135223
Initial Calibration Stds	VP135224,VP135225,VP135226,VP135227,VP135228,VP135229
CCC	VP135232,VP135233
Internal Standard/PEM	VP133935
ICV/I.BLK	VP135230
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VV038972.D	21 Aug 2025 08:34		SY/MD	Ok
2	VSTDICC001	VSTDICC001	VV038973.D	21 Aug 2025 09:05		SY/MD	Ok,M
3	VSTDICC005	VSTDICC005	VV038974.D	21 Aug 2025 09:48		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VV038975.D	21 Aug 2025 10:17		SY/MD	Ok
5	VSTDICCC050	VSTDICCC050	VV038976.D	21 Aug 2025 10:38	LR-13 and QR-28,56,58,59	SY/MD	Ok
6	VSTDICC100	VSTDICC100	VV038977.D	21 Aug 2025 11:02		SY/MD	Ok,M
7	VIBLK	VIBLK	VV038978.D	21 Aug 2025 11:23		SY/MD	Ok
8	VSTDICC010	VSTDICC010	VV038979.D	21 Aug 2025 11:45		SY/MD	Ok
9	VSTDICV050	ICVVV082125	VV038980.D	21 Aug 2025 12:56		SY/MD	Ok,M
10	BFB	BFB	VV038981.D	21 Aug 2025 15:11		SY/MD	Ok
11	VSTDCCC050	VSTDCCC050	VV038982.D	21 Aug 2025 15:42	#pH#v13516	SY/MD	Ok
12	VV0821MBL01	VV0821MBL01	VV038983.D	21 Aug 2025 16:12	Internal Standard Fail	SY/MD	Not Ok
13	VV0821WBL01	VV0821WBL01	VV038984.D	21 Aug 2025 16:34		SY/MD	Ok
14	VV0821WBS01	VV0821WBS01	VV038985.D	21 Aug 2025 17:09		SY/MD	Ok
15	VV0821WBSD01	VV0821WBSD01	VV038986.D	21 Aug 2025 17:30		SY/MD	Ok
16	Q2929-01	DA3-SW2	VV038987.D	21 Aug 2025 17:52	pH#1.0 A	SY/MD	Ok
17	Q2929-02	DA5-SW3	VV038988.D	21 Aug 2025 18:14	pH#1.0 A	SY/MD	Ok
18	Q2929-03	DA5-SW4	VV038989.D	21 Aug 2025 18:35	pH#1.0 A Surrogate fail	SY/MD	ReRun

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Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV082125

Review By	John Carlone	Review On	8/22/2025 2:49:52 PM		
Supervise By	Mahesh Dadoda	Supervise On	8/25/2025 1:28:31 PM		
SubDirectory	VV082125	HP Acquire Method	MSVOA_V	HP Processing Method	82v082125w.m

STD. NAME	STD REF.#
Tune/Reschk	VP135223
Initial Calibration Stds	VP135224,VP135225,VP135226,VP135227,VP135228,VP135229
CCC	VP135232,VP135233
Internal Standard/PEM	VP133935
ICV/I.BLK	VP135230
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2929-04	DA6-SW5	VV038990.D	21 Aug 2025 18:57	pH#1.0 A	SY/MD	Ok
20	Q2930-01	DA1-1	VV038991.D	21 Aug 2025 19:18	pH#1.0 A	SY/MD	Ok
21	Q2930-02	DA1-2	VV038992.D	21 Aug 2025 19:40	pH#1.0 A	SY/MD	Ok
22	Q2931-01	DA1-1	VV038993.D	21 Aug 2025 20:02	pH#1.0 A	SY/MD	Ok
23	Q2925-01	OUTFALL-2	VV038994.D	21 Aug 2025 20:23	pH#1.0 A	SY/MD	Ok
24	Q2924-12	TB	VV038995.D	21 Aug 2025 20:45	pH#1.0 A TB	SY/MD	Ok
25	Q2924-11	FB-01-082025	VV038996.D	21 Aug 2025 21:06	pH#1.0 A FB	SY/MD	Ok
26	Q2924-01	MW-10C-082025	VV038997.D	21 Aug 2025 21:28	pH#1.0 A	SY/MD	Ok
27	Q2924-05	MW-2B-082025	VV038998.D	21 Aug 2025 21:49	pH#1.0 A Need 20X	SY/MD	Dilution
28	Q2924-06	MW-2A-082025	VV038999.D	21 Aug 2025 22:11	pH#1.0 A	SY/MD	Ok
29	Q2924-07	MW-18C-082025	VV039000.D	21 Aug 2025 22:33	pH#1.0 A	SY/MD	Ok
30	Q2924-08	MW-16A-082025	VV039001.D	21 Aug 2025 22:54	pH#1.0 A	SY/MD	Ok
31	Q2924-09	MW-16C-082025	VV039002.D	21 Aug 2025 23:16	pH#1.0 A	SY/MD	Ok
32	Q2924-10	MW-8A-082025	VV039003.D	21 Aug 2025 23:37	pH#1.0 A	SY/MD	Ok
33	Q2924-02	MW-201-082025	VV039004.D	21 Aug 2025 23:59	pH#1.0 A Need 100X	SY/MD	Dilution
34	Q2924-03MS	MW-201-082025MS	VV039005.D	22 Aug 2025 00:20	pH#1.0 A	SY/MD	Ok,M
35	Q2924-04MSD	MW-201-082025MSD	VV039006.D	22 Aug 2025 00:42	pH#1.0 A	SY/MD	Ok,M
36	VSTDCCC050	VSTDCCC050EC	VV039007.D	22 Aug 2025 01:03		SY/MD	Ok

M : Manual Integration

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

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV082225

Review By	Mahesh Dadoda	Review On	8/25/2025 7:23:51 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	8/25/2025 7:25:10 PM		
SubDirectory	VV082225	HP Acquire Method	MSVOA_V	HP Processing Method	82v082125w.m

STD. NAME	STD REF.#
Tune/Reschk	VP135222
Initial Calibration Stds	
CCC	VP135238,VP135239
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	VV039008.D	22 Aug 2025 07:56		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VV039009.D	22 Aug 2025 09:03		SY/MD	Ok
3	VV0822WBL01	VV0822WBL01	VV039010.D	22 Aug 2025 10:55		SY/MD	Ok
4	VV0822WBS01	VV0822WBS01	VV039011.D	22 Aug 2025 11:22		SY/MD	Ok
5	VV0822WBSD01	VV0822WBSD01	VV039012.D	22 Aug 2025 11:46		SY/MD	Ok
6	Q2929-03	DA5-SW4	VV039013.D	22 Aug 2025 13:26	pH#1.0 B	SY/MD	Ok
7	Q2924-05DL	MW-2B-082025DL	VV039014.D	22 Aug 2025 13:48	Need 100X	SY/MD	Dilution
8	Q2924-02DL	MW-201-082025DL	VV039015.D	22 Aug 2025 14:10	Need 400X	SY/MD	Dilution
9	VIBLK	VIBLK	VV039016.D	22 Aug 2025 14:31		SY/MD	Ok
10	Q2924-05DL2	MW-2B-082025DL2	VV039017.D	22 Aug 2025 15:06		SY/MD	Ok
11	Q2924-02DL2	MW-201-082025DL2	VV039018.D	22 Aug 2025 15:27		SY/MD	Ok
12	VSTDCCC050	VSTDCCC050EC	VV039019.D	22 Aug 2025 15:49		SY/MD	Ok

M : Manual Integration

SHIPPING DOCUMENTS

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

ALLIANCE PROJECT NO.
QUOTE NO. Q2924
COC Number 2045003

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: AECOM
ADDRESS: 250 Apollo Dr
CITY Chelmsford STATE: MA ZIP 01824
ATTENTION: Peter S. Cox, P.G.
PHONE: 1-978-905-2100 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Equity
PROJECT NO: 60137362 LOCATION: Brooklyn, NY
PROJECT MANAGER: Peter S. Cox, P.G.
e-mail: pete.cox@aecom.com
PHONE 1-978-905-2100 FAX:

CLIENT BILLING INFORMATION

BILL TO: AECOM PO#: TBD
ADDRESS: 250 Apollo Dr
CITY Chelmsford STATE: MA ZIP: 01824
ATTENTION: Peter S. Cox PHONE 1-978-905-2100

DATA TURNAROUND INFORMATION

FAX (RUSH) 10 DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☑ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☑ NYS ASP A ☐ NYS ASP B
- ☑ Other EQUIS
- ☐ EDD FORMAT

ANALYSIS

1: 8270E SVOCs 2: 6010D-VOCs 3: 4: 5: 6: 7: 8: 9:

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1 (E)	PRESERVATIVES 2 (A)	PRESERVATIVES 3	PRESERVATIVES 4	PRESERVATIVES 5	PRESERVATIVES 6	PRESERVATIVES 7	PRESERVATIVES 8	PRESERVATIVES 9	COMMENTS
1.	MW-10C-082025	W		X	8/20/25	0916	3	✓	X								
2.	MW-20I-082025	W		X	8/20/25	0945	3	X	X								
3.	MS-02-082025	W		X	8/20/25	0946	3	X	X								
4.	MSD-02-082025	W		X	8/20/25	0950	3	X	X								
5.	MW-2B-082025	W		X	8/20/25	0945	3	X	X								
6.	MW-2A-082025	W		X	8/20/25	1031	3	X	X								
7.	MW-18C-082025	W		X	8/20/25	1146	3	X	X								
8.	MW-16A-082025	W		X	8/20/25	1216	3	X	X								
9.	MW-16C-082025	W		X	8/20/25	1225	3	X	X								
10.	MW-8A-082025	W		X	8/20/25	1325	3	X	X								

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	8/20/25	1. 1530 8-20-25
2.		2.
3.	8.20.25 1729	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.3 °C
Comments:

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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

Alliance TECHNICAL GROUP

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www.chemtech.net

ALLIANCE PROJECT NO.: Q2924
QUOTE NO.:
COC Number 2045002

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: AECOM
ADDRESS: 250 Apollo Dr
CITY Chelmsford STATE: MA ZIP: 01824
ATTENTION: Peter S. Cox P.G.
PHONE: 1-978-905-21[illegible] FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Equity
PROJECT NO.: LOCATION: Brooklyn, NY
PROJECT MANAGER: Peter S. Cox P.G.
e-mail: pete.cox@aecom.com
PHONE: 1-978-905-2100 FAX:

CLIENT BILLING INFORMATION

BILL TO: AECOM PO#: TBD
ADDRESS: 250 Apollo Dr
CITY Chelmsford STATE: MA ZIP: 01824
ATTENTION: Peter S. Cox PHONE: 1-978-905-2100

DATA TURNAROUND INFORMATION

FAX (RUSH) 10 DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 4 (QC + Full Raw Data)
- ☑ Level 2 (Results + QC)
- ☐ NJ Reduced
- ☐ US EPA CLP
- ☐ Level 3 (Results + QC + Raw Data)
- ☑ NYS ASP A
- ☐ NYS ASP B
- ☑ Other EqLIS
- ☐ EDD FORMAT

ANALYSIS

1: 8270E-SVOCS
2: 8260D-VOCS
3.
4.
5.
6.
7.
8.
9.

PRESERVATIVES

1	2	3	4	5	6	7	8	9
E	A							

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9
1.	FB-01-082025	W		X	8/20/25	1350	3	X	X							
2.	TB	W		X	8/18/25	0800	2		X							
3.																
4.																
5.																
6.																
7.																
8.																
9.																
10.																

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	8/20/25	1. 1530 8.20.25
2.	DATE/TIME:	RECEIVED BY: 2.
3.	DATE/TIME: 1729 8-20-25	RECEIVED BY: 3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.5 °C
Comments:

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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

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

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2924 AECO02
Client Name : AECOM
Client Contact : Peter S
Invoice Name : AECOM
Invoice Contact : Peter S

Order Date : 8/20/2025 3:43:00 PM
Project Name : National Grid Equity - Broo
Receive DateTime : 8/20/2025 5:29:00 PM
Purchase Order :

Project Mgr : Deepak
Report Type : NYS ASP A
EDD Type : EXCEL NJCLEANUP
Hard Copy Date :
Date Signoff : 8/21/2025 9:28:59 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2924-01	MW-10C-082025	Water	08/20/2025	09:16	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2924-02	MW-201-082025	Water	08/20/2025	08:45	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2924-03	Q2924-02MS	Water	08/20/2025	08:45	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2924-04	Q2924-02MSD	Water	08/20/2025	08:45	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2924-05	MW-2B-082025	Water	08/20/2025	09:45	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2924-06	MW-2A-082025	Water	08/20/2025	10:31	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2924-07	MW-18C-082025	Water	08/20/2025	11:46	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2924-08	MW-16A-082025	Water	08/20/2025	12:16					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	Q2924 AECO02	**Order Date :**	8/20/2025 3:43:00 PM	**Project Mgr :**	
Client Name :	AECOM	**Project Name :**	National Grid Equity - Broc	**Report Type :**	NYS ASP A
Client Contact :	Peter S	**Receive DateTime :**	8/20/2025 5:29:00 PM	**EDD Type :**	EXCEL NJCLEANUP
Invoice Name :	AECOM	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Peter S			**Date Signoff :**	

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD		FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q2924-09	MW-16C-~~08205~~ 082025	Water	08/20/2025	12:25						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q2924-10	MW-8A-082025	Water	08/20/2025	13:25						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q2924-11	FB-01-082025	Water	08/~~20~~/2025	13:~~30~~ 50						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q2924-12	TB	Water	08/~~20~~/2025	08:00						
					VOC-TCLVOA-10		8260D	10 Bus. Days		

Relinguished By : CP

Date / Time : 8/21/25 9:10

Received By :

Date / Time : 8/21/25 910

Storage Area : **VOA Refridgerator Room**