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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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LAB CHRONICLE

OrderID:	Q2900	**OrderDate:**	8/18/2025 4:05:40 PM
Client:	AECOM	**Project:**	National Grid Equity - Brooklyn NY
Contact:	Peter S	**Location:**	J11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2900-01	**MN-9C-081825**	**Water**			**08/18/25**			**08/18/25**
			VOC-TCLVOA-10	8260D			08/20/25	
Q2900-02	**MN-12C-081825**	**Water**			**08/18/25**			**08/18/25**
			VOC-TCLVOA-10	8260D			08/20/25	
Q2900-02DL	**MN-12C-081825DL**	**Water**			**08/18/25**			**08/18/25**
			VOC-TCLVOA-10	8260D			08/21/25	
Q2900-03	**DUP-01-081825**	**Water**			**08/18/25**			**08/18/25**
			VOC-TCLVOA-10	8260D			08/20/25	
Q2900-03DL	**DUP-01-081825DL**	**Water**			**08/18/25**			**08/18/25**
			VOC-TCLVOA-10	8260D			08/21/25	
Q2900-04	**MW-17B-081825**	**Water**			**08/18/25**			**08/18/25**
			VOC-TCLVOA-10	8260D			08/21/25	
Q2900-05	**MW-11C-081825**	**Water**			**08/18/25**			**08/18/25**
			VOC-TCLVOA-10	8260D			08/20/25	
Q2900-05DL	**MW-11C-081825DL**	**Water**			**08/18/25**			**08/18/25**
			VOC-TCLVOA-10	8260D			08/21/25	
Q2900-06	**MW-17C-081825**	**Water**			**08/18/25**			**08/18/25**
			VOC-TCLVOA-10	8260D			08/21/25	
Q2900-07	**MW-11B-081825**	**Water**			**08/18/25**			**08/18/25**
			VOC-TCLVOA-10	8260D			08/20/25	
Q2900-07RE	**MW-11B-081825RE**	**Water**			**08/18/25**			**08/18/25**
			VOC-TCLVOA-10	8260D			08/21/25	
Q2900-08	**TB-081825**	**Water**			**08/18/25**			**08/18/25**

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LAB CHRONICLE

VOC-TCLVOA-10	8260D	08/21/25

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Hit Summary Sheet
SW-846

SDG No.: Q2900

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**MN-9C-081825**								
Q2900-01	MN-9C-081825	Water	Acetone		2.90	J	1.50	25.0	ug/L
Q2900-01	MN-9C-081825	Water	cis-1,2-Dichloroethene		3.90	J	0.19	5.00	ug/L
Q2900-01	MN-9C-081825	Water	Chloroform		0.45	J	0.25	5.00	ug/L
Q2900-01	MN-9C-081825	Water	Trichloroethene		8.50		0.090	5.00	ug/L
Q2900-01	MN-9C-081825	Water	Tetrachloroethene		35.5		0.23	5.00	ug/L
			Total Voc :		51.3				
Q2900-01	MN-9C-081825	Water	Sulfur dioxide	*	210	J	0	0	ug/L
			Total Tics :		210				
			Total Concentration:		261				
Client ID:	**MN-12C-081825**								
Q2900-02	MN-12C-081825	Water	Vinyl Chloride		60.1		0.26	5.00	ug/L
Q2900-02	MN-12C-081825	Water	1,1-Dichloroethene		1.30	J	0.23	5.00	ug/L
Q2900-02	MN-12C-081825	Water	Acetone		3.90	J	1.50	25.0	ug/L
Q2900-02	MN-12C-081825	Water	Carbon Disulfide		1.30	J	0.21	5.00	ug/L
Q2900-02	MN-12C-081825	Water	trans-1,2-Dichloroethene		300	E	0.23	5.00	ug/L
Q2900-02	MN-12C-081825	Water	cis-1,2-Dichloroethene		350	E	0.19	5.00	ug/L
Q2900-02	MN-12C-081825	Water	Methylcyclohexane		0.30	J	0.16	5.00	ug/L
Q2900-02	MN-12C-081825	Water	Benzene		3100	E	0.15	5.00	ug/L
Q2900-02	MN-12C-081825	Water	Trichloroethene		270	E	0.090	5.00	ug/L
Q2900-02	MN-12C-081825	Water	Toluene		2900	E	0.14	5.00	ug/L
Q2900-02	MN-12C-081825	Water	Tetrachloroethene		190	E	0.23	5.00	ug/L
Q2900-02	MN-12C-081825	Water	Ethyl Benzene		1100	E	0.13	5.00	ug/L
Q2900-02	MN-12C-081825	Water	m/p-Xylenes		1100	E	0.24	10.0	ug/L
Q2900-02	MN-12C-081825	Water	o-Xylene		790	E	0.12	5.00	ug/L
Q2900-02	MN-12C-081825	Water	Styrene		770	E	0.15	5.00	ug/L
Q2900-02	MN-12C-081825	Water	Isopropylbenzene		32.1		0.12	5.00	ug/L
			Total Voc :		11000				
Q2900-02	MN-12C-081825	Water	Naphthalene, 1-methyl-	*	400	J	0	0	ug/L
Q2900-02	MN-12C-081825	Water	Indene	*	3200	J	0	0	ug/L
Q2900-02	MN-12C-081825	Water	Benzene, 1-ethenyl-3-methyl-	*	290	J	0	0	ug/L
Q2900-02	MN-12C-081825	Water	Benzo[c]thiophene	*	230	J	0	0	ug/L
Q2900-02	MN-12C-081825	Water	Azulene	*	4400	J	0	0	ug/L
Q2900-02	MN-12C-081825	Water	Indane	*	820	J	0	0	ug/L
Q2900-02	MN-12C-081825	Water	Benzene, 1-ethyl-2-methyl-	*	400	J	0	0	ug/L
Q2900-02	MN-12C-081825	Water	2-Methylindene	*	410	J	0	0	ug/L
Q2900-02	MN-12C-081825	Water	Benzene, (1-methyl-2-cyclopro	*	510	J	0	0	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q2900

Client: AECOM

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2900-02	MN-12C-081825	Water	n-propylbenzene	* 15.0	J	0.13	5.00	ug/L
Q2900-02	MN-12C-081825	Water	1,3,5-Trimethylbenzene	* 87.6	J	0.15	5.00	ug/L
Q2900-02	MN-12C-081825	Water	1,2,4-Trimethylbenzene	* 340	J	0.14	5.00	ug/L
Q2900-02	MN-12C-081825	Water	p-Isopropyltoluene	* 5.40	J	0.13	5.00	ug/L
			Total Tics :	11100				
			Total Concentration:	22100				
Client ID:	**MN-12C-081825DL**							
Q2900-02DL	MN-12C-081825DL	Water	Vinyl Chloride	67.0	JD	13.0	250	ug/L
Q2900-02DL	MN-12C-081825DL	Water	trans-1,2-Dichloroethene	280	D	11.5	250	ug/L
Q2900-02DL	MN-12C-081825DL	Water	cis-1,2-Dichloroethene	320	D	9.50	250	ug/L
Q2900-02DL	MN-12C-081825DL	Water	Benzene	4000	D	7.50	250	ug/L
Q2900-02DL	MN-12C-081825DL	Water	Trichloroethene	260	D	4.70	250	ug/L
Q2900-02DL	MN-12C-081825DL	Water	Toluene	4000	D	7.00	250	ug/L
Q2900-02DL	MN-12C-081825DL	Water	Tetrachloroethene	180	JD	11.5	250	ug/L
Q2900-02DL	MN-12C-081825DL	Water	Ethyl Benzene	1800	D	6.50	250	ug/L
Q2900-02DL	MN-12C-081825DL	Water	m/p-Xylenes	1400	D	12.0	500	ug/L
Q2900-02DL	MN-12C-081825DL	Water	o-Xylene	930	D	6.00	250	ug/L
Q2900-02DL	MN-12C-081825DL	Water	Styrene	930	D	7.50	250	ug/L
Q2900-02DL	MN-12C-081825DL	Water	Isopropylbenzene	35.2	JD	6.00	250	ug/L
			Total Voc :	14200				
			Total Concentration:	14200				
Client ID:	**DUP-01-081825**							
Q2900-03	DUP-01-081825	Water	Vinyl Chloride	38.7		0.26	5.00	ug/L
Q2900-03	DUP-01-081825	Water	1,1-Dichloroethene	1.10	J	0.23	5.00	ug/L
Q2900-03	DUP-01-081825	Water	Acetone	3.40	J	1.50	25.0	ug/L
Q2900-03	DUP-01-081825	Water	trans-1,2-Dichloroethene	300	E	0.23	5.00	ug/L
Q2900-03	DUP-01-081825	Water	cis-1,2-Dichloroethene	330	E	0.19	5.00	ug/L
Q2900-03	DUP-01-081825	Water	Benzene	2900	E	0.15	5.00	ug/L
Q2900-03	DUP-01-081825	Water	Trichloroethene	310	E	0.090	5.00	ug/L
Q2900-03	DUP-01-081825	Water	Toluene	2800	E	0.14	5.00	ug/L
Q2900-03	DUP-01-081825	Water	Tetrachloroethene	200	E	0.23	5.00	ug/L
Q2900-03	DUP-01-081825	Water	Ethyl Benzene	1100	E	0.13	5.00	ug/L
Q2900-03	DUP-01-081825	Water	m/p-Xylenes	1100	E	0.24	10.0	ug/L
Q2900-03	DUP-01-081825	Water	o-Xylene	780	E	0.12	5.00	ug/L
Q2900-03	DUP-01-081825	Water	Styrene	840	E	0.15	5.00	ug/L
Q2900-03	DUP-01-081825	Water	Isopropylbenzene	28.9		0.12	5.00	ug/L
			Total Voc :	10700				

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Hit Summary Sheet
SW-846

SDG No.: Q2900

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q2900-03	DUP-01-081825	Water	Naphthalene, 1-methyl-	*	630	J	0	0	ug/L
Q2900-03	DUP-01-081825	Water	Indene	*	3600	J	0	0	ug/L
Q2900-03	DUP-01-081825	Water	Benzene, 1-ethenyl-3-methyl-	*	330	J	0	0	ug/L
Q2900-03	DUP-01-081825	Water	Benzo[c]thiophene	*	260	J	0	0	ug/L
Q2900-03	DUP-01-081825	Water	Azulene	*	4700	J	0	0	ug/L
Q2900-03	DUP-01-081825	Water	Indane	*	730	J	0	0	ug/L
Q2900-03	DUP-01-081825	Water	Benzene, 1-ethyl-2-methyl-	*	520	J	0	0	ug/L
Q2900-03	DUP-01-081825	Water	2-Methylindene	*	570	J	0	0	ug/L
Q2900-03	DUP-01-081825	Water	Benzene, (1-methyl-2-cyclopro	*	470	J	0	0	ug/L
Q2900-03	DUP-01-081825	Water	n-propylbenzene	*	15.9	J	0.13	5.00	ug/L
Q2900-03	DUP-01-081825	Water	1,3,5-Trimethylbenzene	*	92.3	J	0.15	5.00	ug/L
Q2900-03	DUP-01-081825	Water	1,2,4-Trimethylbenzene	*	360	J	0.14	5.00	ug/L
Q2900-03	DUP-01-081825	Water	p-Isopropyltoluene	*	5.10	J	0.13	5.00	ug/L
			Total Tics :		12300				
			Total Concentration:		23000				
Client ID:	**DUP-01-081825DL**								
Q2900-03DL	DUP-01-081825DL	Water	Vinyl Chloride		54.3	JD	13.0	250	ug/L
Q2900-03DL	DUP-01-081825DL	Water	Acetone		85.8	JD	75.5	1300	ug/L
Q2900-03DL	DUP-01-081825DL	Water	trans-1,2-Dichloroethene		330	D	11.5	250	ug/L
Q2900-03DL	DUP-01-081825DL	Water	cis-1,2-Dichloroethene		340	D	9.50	250	ug/L
Q2900-03DL	DUP-01-081825DL	Water	Benzene		4300	D	7.50	250	ug/L
Q2900-03DL	DUP-01-081825DL	Water	Trichloroethene		330	D	4.70	250	ug/L
Q2900-03DL	DUP-01-081825DL	Water	Toluene		4400	D	7.00	250	ug/L
Q2900-03DL	DUP-01-081825DL	Water	Tetrachloroethene		240	JD	11.5	250	ug/L
Q2900-03DL	DUP-01-081825DL	Water	Ethyl Benzene		1800	D	6.50	250	ug/L
Q2900-03DL	DUP-01-081825DL	Water	m/p-Xylenes		1500	D	12.0	500	ug/L
Q2900-03DL	DUP-01-081825DL	Water	o-Xylene		1000	D	6.00	250	ug/L
Q2900-03DL	DUP-01-081825DL	Water	Styrene		1200	D	7.50	250	ug/L
Q2900-03DL	DUP-01-081825DL	Water	Isopropylbenzene		30.0	JD	6.00	250	ug/L
			Total Voc :		15600				
			Total Concentration:		15600				
Client ID:	**MW-17B-081825**								
Q2900-04	MW-17B-081825	Water	Acetone		5.30	J	1.50	25.0	ug/L
Q2900-04	MW-17B-081825	Water	Methylene Chloride		0.38	J	0.28	5.00	ug/L
Q2900-04	MW-17B-081825	Water	Chloroform		0.89	J	0.25	5.00	ug/L
			Total Voc :		6.57				
Q2900-04	MW-17B-081825	Water	Sulfur dioxide	*	85.3	J	0	0	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q2900

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
			Total Tics :		85.3				
			Total Concentration:		91.9				
Client ID:	**MW-11C-081825**								
Q2900-05	MW-11C-081825	Water	Vinyl Chloride		230	E	0.26	5.00	ug/L
Q2900-05	MW-11C-081825	Water	1,1-Dichloroethene		0.92	J	0.23	5.00	ug/L
Q2900-05	MW-11C-081825	Water	Acetone		4.20	J	1.50	25.0	ug/L
Q2900-05	MW-11C-081825	Water	Carbon Disulfide		1.30	J	0.21	5.00	ug/L
Q2900-05	MW-11C-081825	Water	trans-1,2-Dichloroethene		1300	E	0.23	5.00	ug/L
Q2900-05	MW-11C-081825	Water	cis-1,2-Dichloroethene		440	E	0.19	5.00	ug/L
Q2900-05	MW-11C-081825	Water	Benzene		2500	E	0.15	5.00	ug/L
Q2900-05	MW-11C-081825	Water	Trichloroethene		49.6		0.090	5.00	ug/L
Q2900-05	MW-11C-081825	Water	Toluene		730	E	0.14	5.00	ug/L
Q2900-05	MW-11C-081825	Water	Tetrachloroethene		0.57	J	0.23	5.00	ug/L
Q2900-05	MW-11C-081825	Water	Chlorobenzene		0.32	J	0.12	5.00	ug/L
Q2900-05	MW-11C-081825	Water	Ethyl Benzene		490	E	0.13	5.00	ug/L
Q2900-05	MW-11C-081825	Water	m/p-Xylenes		270		0.24	10.0	ug/L
Q2900-05	MW-11C-081825	Water	o-Xylene		370	E	0.12	5.00	ug/L
Q2900-05	MW-11C-081825	Water	Styrene		280	E	0.15	5.00	ug/L
Q2900-05	MW-11C-081825	Water	Isopropylbenzene		34.2		0.12	5.00	ug/L
			Total Voc :		6700				
Q2900-05	MW-11C-081825	Water	Indene	*	1900	J	0	0	ug/L
Q2900-05	MW-11C-081825	Water	Benzene, 1-ethenyl-3-methyl-	*	180	J	0	0	ug/L
Q2900-05	MW-11C-081825	Water	Benzo[c]thiophene	*	180	J	0	0	ug/L
Q2900-05	MW-11C-081825	Water	Indane	*	360	J	0	0	ug/L
Q2900-05	MW-11C-081825	Water	Benzene, 1,2,3-trimethyl-	*	160	J	0	0	ug/L
Q2900-05	MW-11C-081825	Water	Benzene, 1-ethyl-2-methyl-	*	170	J	0	0	ug/L
Q2900-05	MW-11C-081825	Water	2-Methylindene	*	300	J	0	0	ug/L
Q2900-05	MW-11C-081825	Water	Benzene, (1-methyl-2-cyclopro	*	400	J	0	0	ug/L
Q2900-05	MW-11C-081825	Water	n-propylbenzene	*	15.1	J	0.13	5.00	ug/L
Q2900-05	MW-11C-081825	Water	1,2,4-Trimethylbenzene	*	240	J	0.14	5.00	ug/L
Q2900-05	MW-11C-081825	Water	p-Isopropyltoluene	*	3.10	J	0.13	5.00	ug/L
			Total Tics :		3910				
			Total Concentration:		10600				
Client ID:	**MW-11C-081825DL**								
Q2900-05DL	MW-11C-081825Dl	Water	Vinyl Chloride		240	JD	13.0	250	ug/L
Q2900-05DL	MW-11C-081825Dl	Water	trans-1,2-Dichloroethene		1300	D	11.5	250	ug/L
Q2900-05DL	MW-11C-081825Dl	Water	cis-1,2-Dichloroethene		420	D	9.50	250	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q2900

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q2900-05DL	MW-11C-081825Dl	Water	Benzene		2900	D	7.50	250	ug/L
Q2900-05DL	MW-11C-081825Dl	Water	Trichloroethene		52.0	JD	4.70	250	ug/L
Q2900-05DL	MW-11C-081825Dl	Water	Toluene		700	D	7.00	250	ug/L
Q2900-05DL	MW-11C-081825Dl	Water	Ethyl Benzene		510	D	6.50	250	ug/L
Q2900-05DL	MW-11C-081825Dl	Water	m/p-Xylenes		270	JD	12.0	500	ug/L
Q2900-05DL	MW-11C-081825Dl	Water	o-Xylene		360	D	6.00	250	ug/L
Q2900-05DL	MW-11C-081825Dl	Water	Styrene		280	D	7.50	250	ug/L
Q2900-05DL	MW-11C-081825Dl	Water	Isopropylbenzene		31.4	JD	6.00	250	ug/L
			Total Voc :		7060				
			Total Concentration:		7060				
Client ID:	**MW-17C-081825**								
Q2900-06	MW-17C-081825	Water	Acetone		5.10	J	1.50	25.0	ug/L
			Total Voc :		5.10				
Q2900-06	MW-17C-081825	Water	Sulfur dioxide	*	180	J	0	0	ug/L
			Total Tics :		180				
			Total Concentration:		185				
Client ID:	**MW-11B-081825**								
Q2900-07	MW-11B-081825	Water	Carbon Disulfide		1.60	J	0.21	5.00	ug/L
Q2900-07	MW-11B-081825	Water	Benzene		3.10	J	0.15	5.00	ug/L
Q2900-07	MW-11B-081825	Water	m/p-Xylenes		0.27	J	0.24	10.0	ug/L
Q2900-07	MW-11B-081825	Water	o-Xylene		0.36	J	0.12	5.00	ug/L
Q2900-07	MW-11B-081825	Water	Isopropylbenzene		3.30	J	0.12	5.00	ug/L
			Total Voc :		8.63				
Q2900-07	MW-11B-081825	Water	Indane	*	270	J	0	0	ug/L
Q2900-07	MW-11B-081825	Water	Benzene, 1-ethenyl-4-ethyl-	*	8.50	J	0	0	ug/L
Q2900-07	MW-11B-081825	Water	Sulfur dioxide	*	290	J	0	0	ug/L
Q2900-07	MW-11B-081825	Water	n-propylbenzene	*	0.34	J	0.13	5.00	ug/L
			Total Tics :		569				
			Total Concentration:		577				
Client ID:	**MW-11B-081825RE**								
Q2900-07RE	MW-11B-081825RI	Water	Carbon Disulfide		2.00	J	0.21	5.00	ug/L
Q2900-07RE	MW-11B-081825RI	Water	Benzene		3.80	J	0.15	5.00	ug/L
Q2900-07RE	MW-11B-081825RI	Water	m/p-Xylenes		0.41	J	0.24	10.0	ug/L
Q2900-07RE	MW-11B-081825RI	Water	o-Xylene		0.47	J	0.12	5.00	ug/L
Q2900-07RE	MW-11B-081825RI	Water	Isopropylbenzene		4.00	J	0.12	5.00	ug/L
			Total Voc :		10.7				
			Total Concentration:		10.7				
Client ID:	**TB-081825**								
Q2900-08	TB-081825	Water	Naphthalene	*	2.20	J	0.20	5.00	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q2900

Client: AECOM

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Tics :	2.20				
			Total Concentration:	2.20				

QC SUMMARY

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

SDG No.: Q2900

Client: AECOM

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
Q2900-01	MN-9C-081825	1,2-Dichloroethane-d4	50	59.2	118		74	125
		Dibromofluoromethane	50	51.5	103		75	124
		Toluene-d8	50	51.5	103		86	113
		4-Bromofluorobenzene	50	58.7	117		77	121
Q2900-02	MN-12C-081825	1,2-Dichloroethane-d4	50	63.7	127	*	74	125
		Dibromofluoromethane	50	66.1	132	*	75	124
		Toluene-d8	50	55.6	111		86	113
		4-Bromofluorobenzene	50	53.2	106		77	121
Q2900-02DL	MN-12C-081825DL	1,2-Dichloroethane-d4	50	58.5	117		74	125
		Dibromofluoromethane	50	51.4	103		75	124
		Toluene-d8	50	49.8	100		86	113
		4-Bromofluorobenzene	50	57.7	115		77	121
Q2900-03	DUP-01-081825	1,2-Dichloroethane-d4	50	62.9	126	*	74	125
		Dibromofluoromethane	50	59.3	119		75	124
		Toluene-d8	50	55.6	111		86	113
		4-Bromofluorobenzene	50	53.3	107		77	121
Q2900-03DL	DUP-01-081825DL	1,2-Dichloroethane-d4	50	59.8	120		74	125
		Dibromofluoromethane	50	50.6	101		75	124
		Toluene-d8	50	49.7	99		86	113
		4-Bromofluorobenzene	50	56.6	113		77	121
Q2900-04	MW-17B-081825	1,2-Dichloroethane-d4	50	60.3	121		74	125
		Dibromofluoromethane	50	50.0	100		75	124
		Toluene-d8	50	49.0	98		86	113
		4-Bromofluorobenzene	50	58.3	117		77	121
Q2900-05	MW-11C-081825	1,2-Dichloroethane-d4	50	55.3	111		74	125
		Dibromofluoromethane	50	55.9	112		75	124
		Toluene-d8	50	53.8	107		86	113
		4-Bromofluorobenzene	50	55.9	112		77	121
Q2900-05DL	MW-11C-081825DL	1,2-Dichloroethane-d4	50	53.9	108		74	125
		Dibromofluoromethane	50	47.9	96		75	124
		Toluene-d8	50	48.5	97		86	113
		4-Bromofluorobenzene	50	56.3	113		77	121
Q2900-06	MW-17C-081825	1,2-Dichloroethane-d4	50	60.7	121		74	125
		Dibromofluoromethane	50	50.7	101		75	124
		Toluene-d8	50	50.9	102		86	113
		4-Bromofluorobenzene	50	58.8	118		77	121
Q2900-07	MW-11B-081825	1,2-Dichloroethane-d4	50	63.1	126	*	74	125
		Dibromofluoromethane	50	53.7	107		75	124
		Toluene-d8	50	53.0	106		86	113
		4-Bromofluorobenzene	50	59.4	119		77	121
Q2900-07RE	MW-11B-081825RE	1,2-Dichloroethane-d4	50	60.8	122		74	125
		Dibromofluoromethane	50	52.5	105		75	124
		Toluene-d8	50	51.4	103		86	113
		4-Bromofluorobenzene	50	62.3	125	*	77	121
Q2900-08	TB-081825	1,2-Dichloroethane-d4	50	60.0	120		74	125
		Dibromofluoromethane	50	50.4	101		75	124
		Toluene-d8	50	50.2	100		86	113
		4-Bromofluorobenzene	50	57.7	115		77	121

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Surrogate Summary

SDG No.: Q2900

Client: AECOM

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
VX0820WBL01	VX0820WBL01	1,2-Dichloroethane-d4	50	57.9	116		74	125
		Dibromofluoromethane	50	51.3	103		75	124
		Toluene-d8	50	50.7	101		86	113
		4-Bromofluorobenzene	50	55.9	112		77	121
VX0820WBS01	VX0820WBS01	1,2-Dichloroethane-d4	50	49.0	98		74	125
		Dibromofluoromethane	50	49.9	100		75	124
		Toluene-d8	50	49.2	98		86	113
		4-Bromofluorobenzene	50	50.2	100		77	121
VX0820WBSD0	VX0820WBSD01	1,2-Dichloroethane-d4	50	51.0	102		74	125
		Dibromofluoromethane	50	50.5	101		75	124
		Toluene-d8	50	50.2	100		86	113
		4-Bromofluorobenzene	50	51.7	103		77	121
VX0821WBL01	VX0821WBL01	1,2-Dichloroethane-d4	50	57.4	115		74	125
		Dibromofluoromethane	50	49.0	98		75	124
		Toluene-d8	50	48.7	97		86	113
		4-Bromofluorobenzene	50	55.6	111		77	121
VX0821WBS02	VX0821WBS02	1,2-Dichloroethane-d4	50	57.3	115		74	125
		Dibromofluoromethane	50	51.6	103		75	124
		Toluene-d8	50	50.2	100		86	113
		4-Bromofluorobenzene	50	55.6	111		77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2900 **Analytical Method:** SW8260-Low

Client: AECOM **Datafile :** VX047430.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0820WBS01	Dichlorodifluoromethane	20	17.2	ug/L	86			69	116	
	Chloromethane	20	16.6	ug/L	83			65	116	
	Vinyl chloride	20	16.1	ug/L	81			65	117	
	Bromomethane	20	16.7	ug/L	84			58	125	
	Chloroethane	20	15.8	ug/L	79			56	128	
	Trichlorofluoromethane	20	17.1	ug/L	86			73	115	
	1,1,2-Trichlorotrifluoroethane	20	17.8	ug/L	89			80	112	
	1,1-Dichloroethene	20	16.8	ug/L	84			74	110	
	Acetone	100	89.6	ug/L	90			60	125	
	Carbon disulfide	20	15.5	ug/L	78			64	112	
	Methyl tert-butyl Ether	20	17.0	ug/L	85			78	114	
	Methyl Acetate	20	18.7	ug/L	94			67	125	
	Methylene Chloride	20	17.2	ug/L	86			72	114	
	trans-1,2-Dichloroethene	20	16.7	ug/L	84			75	108	
	1,1-Dichloroethane	20	17.2	ug/L	86			78	112	
	Cyclohexane	20	17.0	ug/L	85			75	110	
	2-Butanone	100	93.1	ug/L	93			65	122	
	Carbon Tetrachloride	20	17.5	ug/L	88			77	113	
	cis-1,2-Dichloroethene	20	17.1	ug/L	86			77	110	
	Bromochloromethane	20	19.9	ug/L	100			70	124	
	Chloroform	20	17.4	ug/L	87			79	113	
	1,1,1-Trichloroethane	20	17.2	ug/L	86			80	108	
	Methylcyclohexane	20	17.1	ug/L	86			72	115	
	Benzene	20	17.6	ug/L	88			82	109	
	1,2-Dichloroethane	20	17.6	ug/L	88			80	115	
	Trichloroethene	20	17.2	ug/L	86			77	113	
	1,2-Dichloropropane	20	17.3	ug/L	86			83	111	
	Bromodichloromethane	20	17.5	ug/L	88			83	110	
	4-Methyl-2-Pentanone	100	93.5	ug/L	94			74	118	
	Toluene	20	18.0	ug/L	90			82	110	
	t-1,3-Dichloropropene	20	17.6	ug/L	88			79	110	
	cis-1,3-Dichloropropene	20	17.4	ug/L	87			82	110	
	1,1,2-Trichloroethane	20	18.1	ug/L	91			83	112	
	2-Hexanone	100	91.6	ug/L	92			73	117	
	Dibromochloromethane	20	17.7	ug/L	89			82	110	
	1,2-Dibromoethane	20	17.4	ug/L	87			81	110	
	Tetrachloroethene	20	17.2	ug/L	86			67	123	
	Chlorobenzene	20	17.3	ug/L	86			82	109	
	Ethyl Benzene	20	17.6	ug/L	88			83	109	
	m/p-Xylenes	40	35.8	ug/L	90			82	110	
	o-Xylene	20	17.9	ug/L	90			83	109	
	Styrene	20	18.0	ug/L	90			80	111	
	Bromoform	20	17.6	ug/L	88			79	109	
	Isopropylbenzene	20	17.3	ug/L	86			83	112	
	1,1,2,2-Tetrachloroethane	20	17.6	ug/L	88			76	118	
	1,3-Dichlorobenzene	20	16.9	ug/L	85			82	108	
	1,4-Dichlorobenzene	20	17.0	ug/L	85			82	107	
	1,2-Dichlorobenzene	20	17.2	ug/L	86			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q2900**	**Analytical Method:**	**SW8260-Low**
Client:	**AECOM**	**Datafile :**	VX047430.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0820WBS01	1,2-Dibromo-3-Chloropropane	20	17.5	ug/L	88			68	112	
	1,2,4-Trichlorobenzene	20	16.3	ug/L	81			75	113	
	1,2,3-Trichlorobenzene	20	16.9	ug/L	85			76	114	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2900 **Analytical Method:** SW8260-Low

Client: AECOM **Datafile :** VX047431.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0820WBSD01	Dichlorodifluoromethane	20	16.4	ug/L	82	5		69	116	19
	Chloromethane	20	16.9	ug/L	85	2		65	116	21
	Vinyl chloride	20	16.3	ug/L	81	0		65	117	19
	Bromomethane	20	17.3	ug/L	86	2		58	125	20
	Chloroethane	20	16.5	ug/L	83	5		56	128	20
	Trichlorofluoromethane	20	16.6	ug/L	83	4		73	115	16
	1,1,2-Trichlorotrifluoroethane	20	17.5	ug/L	88	1		80	112	15
	1,1-Dichloroethene	20	16.3	ug/L	81	4		74	110	20
	Acetone	100	88.6	ug/L	89	1		60	125	20
	Carbon disulfide	20	15.5	ug/L	78	0		64	112	20
	Methyl tert-butyl Ether	20	17.9	ug/L	90	6		78	114	20
	Methyl Acetate	20	19.9	ug/L	100	6		67	125	20
	Methylene Chloride	20	17.6	ug/L	88	2		72	114	20
	trans-1,2-Dichloroethene	20	16.5	ug/L	83	1		75	108	16
	1,1-Dichloroethane	20	17.6	ug/L	88	2		78	112	20
	Cyclohexane	20	16.5	ug/L	83	2		75	110	20
	2-Butanone	100	99.5	ug/L	100	7		65	122	26
	Carbon Tetrachloride	20	17.1	ug/L	86	2		77	113	15
	cis-1,2-Dichloroethene	20	17.2	ug/L	86	0		77	110	20
	Bromochloromethane	20	20.5	ug/L	103	3		70	124	20
	Chloroform	20	18.0	ug/L	90	3		79	113	20
	1,1,1-Trichloroethane	20	17.3	ug/L	86	0		80	108	20
	Methylcyclohexane	20	16.6	ug/L	83	4		72	115	20
	Benzene	20	17.9	ug/L	90	2		82	109	15
	1,2-Dichloroethane	20	18.2	ug/L	91	3		80	115	20
	Trichloroethene	20	17.1	ug/L	86	0		77	113	15
	1,2-Dichloropropane	20	17.6	ug/L	88	2		83	111	16
	Bromodichloromethane	20	17.9	ug/L	90	2		83	110	16
	4-Methyl-2-Pentanone	100	98.0	ug/L	98	4		74	118	25
	Toluene	20	18.1	ug/L	91	1		82	110	16
	t-1,3-Dichloropropene	20	17.8	ug/L	89	1		79	110	20
	cis-1,3-Dichloropropene	20	17.8	ug/L	89	2		82	110	16
	1,1,2-Trichloroethane	20	18.9	ug/L	95	4		83	112	20
	2-Hexanone	100	95.5	ug/L	96	4		73	117	25
	Dibromochloromethane	20	18.3	ug/L	92	3		82	110	20
	1,2-Dibromoethane	20	19.0	ug/L	95	9		81	110	20
	Tetrachloroethene	20	17.0	ug/L	85	1		67	123	15
	Chlorobenzene	20	17.4	ug/L	87	1		82	109	15
	Ethyl Benzene	20	17.3	ug/L	86	2		83	109	16
	m/p-Xylenes	40	35.6	ug/L	89	1		82	110	15
	o-Xylene	20	17.3	ug/L	86	5		83	109	20
	Styrene	20	18.0	ug/L	90	0		80	111	17
	Bromoform	20	18.1	ug/L	91	3		79	109	20
	Isopropylbenzene	20	16.9	ug/L	85	1		83	112	29
	1,1,2,2-Tetrachloroethane	20	18.0	ug/L	90	2		76	118	20
	1,3-Dichlorobenzene	20	17.2	ug/L	86	1		82	108	20
	1,4-Dichlorobenzene	20	16.6	ug/L	83	2		82	107	15
	1,2-Dichlorobenzene	20	17.5	ug/L	88	2		82	109	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2900 **Analytical Method:** SW8260-Low

Client: AECOM **Datafile :** VX047431.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0820WBSD01	1,2-Dibromo-3-Chloropropane	20	17.5	ug/L	88	0		68	112	20
	1,2,4-Trichlorobenzene	20	16.6	ug/L	83	2		75	113	29
	1,2,3-Trichlorobenzene	20	17.4	ug/L	87	2		76	114	29

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2900 **Analytical Method:** SW8260-Low

Client: AECOM **Datafile :** VX047467.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0821WBS02	Dichlorodifluoromethane	20	18.6	ug/L	93			69	116	
	Chloromethane	20	19.6	ug/L	98			65	116	
	Vinyl chloride	20	19.3	ug/L	97			65	117	
	Bromomethane	20	20.0	ug/L	100			58	125	
	Chloroethane	20	20.6	ug/L	103			56	128	
	Trichlorofluoromethane	20	19.5	ug/L	98			73	115	
	1,1,2-Trichlorotrifluoroethane	20	19.7	ug/L	99			80	112	
	1,1-Dichloroethene	20	20.0	ug/L	100			74	110	
	Acetone	100	100	ug/L	100			60	125	
	Carbon disulfide	20	17.9	ug/L	90			64	112	
	Methyl tert-butyl Ether	20	22.2	ug/L	111			78	114	
	Methyl Acetate	20	24.1	ug/L	121			67	125	
	Methylene Chloride	20	22.0	ug/L	110			72	114	
	trans-1,2-Dichloroethene	20	20.6	ug/L	103			75	108	
	1,1-Dichloroethane	20	21.8	ug/L	109			78	112	
	Cyclohexane	20	19.7	ug/L	99			75	110	
	2-Butanone	100	120	ug/L	120			65	122	
	Carbon Tetrachloride	20	19.5	ug/L	98			77	113	
	cis-1,2-Dichloroethene	20	21.9	ug/L	110			77	110	
	Bromochloromethane	20	24.6	ug/L	123			70	124	
	Chloroform	20	22.6	ug/L	113			79	113	
	1,1,1-Trichloroethane	20	20.6	ug/L	103			80	108	
	Methylcyclohexane	20	17.7	ug/L	89			72	115	
	Benzene	20	20.6	ug/L	103			82	109	
	1,2-Dichloroethane	20	21.5	ug/L	108			80	115	
	Trichloroethene	20	20.1	ug/L	101			77	113	
	1,2-Dichloropropane	20	21.1	ug/L	106			83	111	
	Bromodichloromethane	20	20.8	ug/L	104			83	110	
	4-Methyl-2-Pentanone	100	110	ug/L	110			74	118	
	Toluene	20	21.0	ug/L	105			82	110	
	t-1,3-Dichloropropene	20	20.9	ug/L	104			79	110	
	cis-1,3-Dichloropropene	20	21.1	ug/L	106			82	110	
	1,1,2-Trichloroethane	20	21.9	ug/L	110			83	112	
	2-Hexanone	100	110	ug/L	110			73	117	
	Dibromochloromethane	20	21.3	ug/L	106			82	110	
	1,2-Dibromoethane	20	21.0	ug/L	105			81	110	
	Tetrachloroethene	20	18.2	ug/L	91			67	123	
	Chlorobenzene	20	19.9	ug/L	100			82	109	
	Ethyl Benzene	20	19.7	ug/L	99			83	109	
	m/p-Xylenes	40	40.2	ug/L	101			82	110	
	o-Xylene	20	20.5	ug/L	103			83	109	
	Styrene	20	20.8	ug/L	104			80	111	
	Bromoform	20	20.5	ug/L	103			79	109	
	Isopropylbenzene	20	18.9	ug/L	95			83	112	
	1,1,2,2-Tetrachloroethane	20	20.0	ug/L	100			76	118	
	1,3-Dichlorobenzene	20	18.8	ug/L	94			82	108	
	1,4-Dichlorobenzene	20	18.5	ug/L	93			82	107	
	1,2-Dichlorobenzene	20	19.2	ug/L	96			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2900 **Analytical Method:** SW8260-Low

Client: AECOM **Datafile :** VX047467.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0821WBS02	1,2-Dibromo-3-Chloropropane	20	19.2	ug/L	96			68	112	
	1,2,4-Trichlorobenzene	20	18.2	ug/L	91			75	113	
	1,2,3-Trichlorobenzene	20	18.3	ug/L	92			76	114	

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX0820WBL01

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q2900

Lab File ID: VX047429.D | Lab Sample ID: VX0820WBL01

Date Analyzed: 08/20/2025 | Time Analyzed: 10:07

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

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0820WBS01	VX0820WBS01	VX047430.D	08/20/2025
VX0820WBSD01	VX0820WBSD01	VX047431.D	08/20/2025
MW-11B-081825	Q2900-07	VX047442.D	08/20/2025
MN-9C-081825	Q2900-01	VX047443.D	08/20/2025
MN-12C-081825	Q2900-02	VX047444.D	08/20/2025
DUP-01-081825	Q2900-03	VX047445.D	08/20/2025
MW-11C-081825	Q2900-05	VX047447.D	08/20/2025

COMMENTS:

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

VOLATILE METHOD BLANK SUMMARY

Client ID: VX0821WBL01

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q2900

Lab File ID: VX047457.D | Lab Sample ID: VX0821WBL01

Date Analyzed: 08/21/2025 | Time Analyzed: 10:24

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

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MN-12C-081825DL	Q2900-02DL	VX047463.D	08/21/2025
DUP-01-081825DL	Q2900-03DL	VX047464.D	08/21/2025
MW-11C-081825DL	Q2900-05DL	VX047465.D	08/21/2025
TB-081825	Q2900-08	VX047466.D	08/21/2025
VX0821WBS02	VX0821WBS02	VX047467.D	08/21/2025
MW-11B-081825RE	Q2900-07RE	VX047469.D	08/21/2025
MW-17C-081825	Q2900-06	VX047471.D	08/21/2025
MW-17B-081825	Q2900-04	VX047474.D	08/21/2025

COMMENTS:

Raw Data: **VX047347.D**

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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG NO.: Q2900
Lab File ID: VX047347.D
BFB Injection Date: 08/15/2025
Instrument ID: MSVOA_X
BFB Injection Time: 08:28
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.3
75	30.0 - 60.0% of mass 95	51.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	74.3
175	5.0 - 9.0% of mass 174	6.1 (8.2) 1
176	95.0 - 101.0% of mass 174	71.9 (96.8) 1
177	5.0 - 9.0% of mass 176	4.4 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VX047349.D	08/15/2025	09:40
VSTDICC020	VSTDICC020	VX047350.D	08/15/2025	10:01
VSTDICCC050	VSTDICCC050	VX047351.D	08/15/2025	10:22
VSTDICC100	VSTDICC100	VX047352.D	08/15/2025	10:43
VSTDICC150	VSTDICC150	VX047353.D	08/15/2025	11:05
VSTDICC001	VSTDICC001	VX047356.D	08/15/2025	12:30

Alliance TECHNICAL GROUP

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG NO.: Q2900
Lab File ID: VX047426.D
BFB Injection Date: 08/20/2025
Instrument ID: MSVOA_X
BFB Injection Time: 07:50
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.4
75	30.0 - 60.0% of mass 95	52.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.8 (1) 1
174	50.0 - 100.0% of mass 95	75.4
175	5.0 - 9.0% of mass 174	6 (7.9) 1
176	95.0 - 101.0% of mass 174	72.1 (95.6) 1
177	5.0 - 9.0% of mass 176	5 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX047427.D	08/20/2025	09:25
VX0820WBL01	VX0820WBL01	VX047429.D	08/20/2025	10:07
VX0820WBS01	VX0820WBS01	VX047430.D	08/20/2025	10:35
VX0820WBSD01	VX0820WBSD01	VX047431.D	08/20/2025	11:06
MW-11B-081825	Q2900-07	VX047442.D	08/20/2025	15:04
MN-9C-081825	Q2900-01	VX047443.D	08/20/2025	15:25
MN-12C-081825	Q2900-02	VX047444.D	08/20/2025	15:47
DUP-01-081825	Q2900-03	VX047445.D	08/20/2025	16:09
MW-11C-081825	Q2900-05	VX047447.D	08/20/2025	16:52

Raw Data: **VX047454.D**

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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG NO.: Q2900
Lab File ID: VX047454.D
BFB Injection Date: 08/21/2025
Instrument ID: MSVOA_X
BFB Injection Time: 07:58
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.4
75	30.0 - 60.0% of mass 95	51.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.8 (1) 1
174	50.0 - 100.0% of mass 95	77.9
175	5.0 - 9.0% of mass 174	5.5 (7.1) 1
176	95.0 - 101.0% of mass 174	74.3 (95.4) 1
177	5.0 - 9.0% of mass 176	5 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX047455.D	08/21/2025	09:35
VX0821WBL01	VX0821WBL01	VX047457.D	08/21/2025	10:24
MN-12C-081825DL	Q2900-02DL	VX047463.D	08/21/2025	12:43
DUP-01-081825DL	Q2900-03DL	VX047464.D	08/21/2025	13:04
MW-11C-081825DL	Q2900-05DL	VX047465.D	08/21/2025	13:25
TB-081825	Q2900-08	VX047466.D	08/21/2025	13:46
VX0821WBS02	VX0821WBS02	VX047467.D	08/21/2025	14:07
MW-11B-081825RE	Q2900-07RE	VX047469.D	08/21/2025	14:49
MW-17C-081825	Q2900-06	VX047471.D	08/21/2025	15:31
MW-17B-081825	Q2900-04	VX047474.D	08/21/2025	16:35

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q2900

Lab File ID: VX047427.D Date Analyzed: 08/20/2025

Instrument ID: MSVOA_X Time Analyzed: 09:25

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	222102	5.56	369648	6.76	338607	10.05
UPPER LIMIT	444204	6.056	739296	7.263	677214	10.549
LOWER LIMIT	111051	5.056	184824	6.263	169304	9.549
EPA SAMPLE NO.						
MN-9C-081825	203680	5.57	413174	6.78	412185	10.06
MN-12C-081825	210277	5.57	348314	6.78	344337	10.06
DUP-01-081825	210048	5.57	368410	6.78	367281	10.06
MW-11C-081825	207711	5.57	360319	6.78	375441	10.06
MW-11B-081825	269768	5.57	559138	6.78	560769	10.06
VX0820WBL01	280589	5.57	574542	6.77	560929	10.06
VX0820WBS01	244648	5.56	407608	6.76	368354	10.06
VX0820WBSD01	227988	5.56	384011	6.76	353527	10.06

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q2900

Lab File ID: VX047427.D Date Analyzed: 08/20/2025

Instrument ID: MSVOA_X Time Analyzed: 09:25

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

	IS4 AREA #	RT #				
12 HOUR STD	165668	12.018				
UPPER LIMIT	331336	12.518				
LOWER LIMIT	82834	11.518				
EPA SAMPLE NO.						
MN-9C-081825	214243	12.02				
MN-12C-081825	172936	12.02				
DUP-01-081825	176836	12.02				
MW-11C-081825	174957	12.02				
MW-11B-081825	289774	12.02				
VX0820WBL01	279679	12.02				
VX0820WBS01	188940	12.02				
VX0820WBSD01	182846	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q2900

Lab File ID: VX047455.D Date Analyzed: 08/21/2025

Instrument ID: MSVOA_X Time Analyzed: 09:35

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	229258	5.56	398048	6.76	349454	10.05
UPPER LIMIT	458516	6.056	796096	7.263	698908	10.549
LOWER LIMIT	114629	5.056	199024	6.263	174727	9.549
EPA SAMPLE NO.						
MN-12C-081825DL	227403	5.56	460617	6.77	463667	10.06
DUP-01-081825DL	216774	5.57	445116	6.77	446806	10.06
MW-17B-081825	198174	5.57	406946	6.77	409661	10.06
MW-11C-081825DL	217485	5.56	440392	6.77	436547	10.06
MW-17C-081825	194869	5.57	401435	6.77	409187	10.06
MW-11B-081825RE	220177	5.56	441647	6.77	451408	10.06
TB-081825	223325	5.56	459689	6.77	461078	10.06
VX0821WBL01	216518	5.56	445927	6.77	448054	10.06
VX0821WBS02	219757	5.56	395822	6.77	370697	10.06

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q2900

Lab File ID: VX047455.D Date Analyzed: 08/21/2025

Instrument ID: MSVOA_X Time Analyzed: 09:35

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

	IS4 AREA #	RT #				
12 HOUR STD	170891	12.018				
UPPER LIMIT	341782	12.518				
LOWER LIMIT	85445.5	11.518				
EPA SAMPLE NO.						
MN-12C-081825DL	240978	12.02				
DUP-01-081825DL	233270	12.02				
MW-17B-081825	216444	12.02				
MW-11C-081825DL	229381	12.02				
MW-17C-081825	210796	12.02				
MW-11B-081825RE	247196	12.02				
TB-081825	239770	12.02				
VX0821WBL01	231897	12.02				
VX0821WBS02	193487	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

Raw Data: **VX047443.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:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	MN-9C-081825	SDG No.:	Q2900
Lab Sample ID:	Q2900-01	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
VX047443.D	1	08/20/25 15:25	VX082025

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	2.90	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	3.90	J	0.19	5.00	ug/L
74-97-5	Bromochloromethane	5.00	U	0.22	5.00	ug/L
67-66-3	Chloroform	0.45	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	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	8.50		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
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	AECOM	Date Collected:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	MN-9C-081825	SDG No.:	Q2900
Lab Sample ID:	Q2900-01	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
VX047443.D	1	08/20/25 15:25	VX082025

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	35.5		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	59.2		74 - 125	118%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	51.5		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.7		77 - 121	117%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	204000	5.568			
540-36-3	1,4-Difluorobenzene	413000	6.775			
3114-55-4	Chlorobenzene-d5	412000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	214000	12.024			
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:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	MN-9C-081825	SDG No.:	Q2900
Lab Sample ID:	Q2900-01	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
VX047443.D	1	08/20/25 15:25	VX082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	210	J		1.27	ug/L

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047443.D
Acq On : 20 Aug 2025 15:25
Operator : JC/MD
Sample : Q2900-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MN-9C-081825

Quant Time: Aug 21 01:33:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

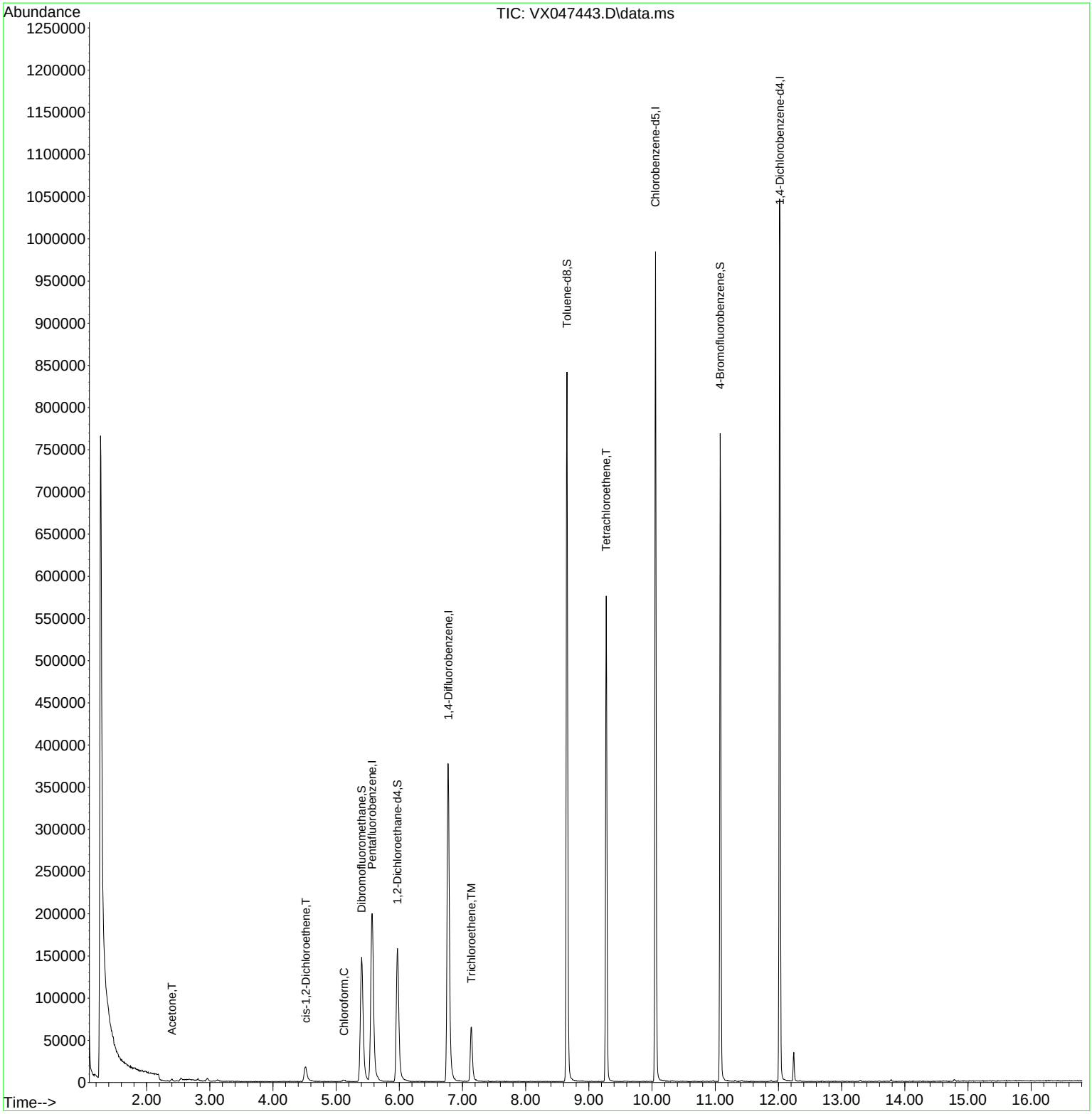
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	203680	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	413174	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	412185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	214243	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	168768	59.205	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 118.420%#			
35) Dibromofluoromethane	5.403	113	138137	51.514	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.020%			
50) Toluene-d8	8.653	98	493451	51.484	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.960%			
62) 4-Bromofluorobenzene	11.079	95	207472	58.660	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 117.320%			
Target Compounds						Qvalue
16) Acetone	2.398	43	3116	2.908	ug/l	94
27) cis-1,2-Dichloroethene	4.519	96	12398	3.911	ug/l	98
30) Chloroform	5.123	83	2262	0.445	ug/l	84
44) Trichloroethene	7.141	130	27675	8.530	ug/l	97
64) Tetrachloroethene	9.275	164	105877	35.513	ug/l	97

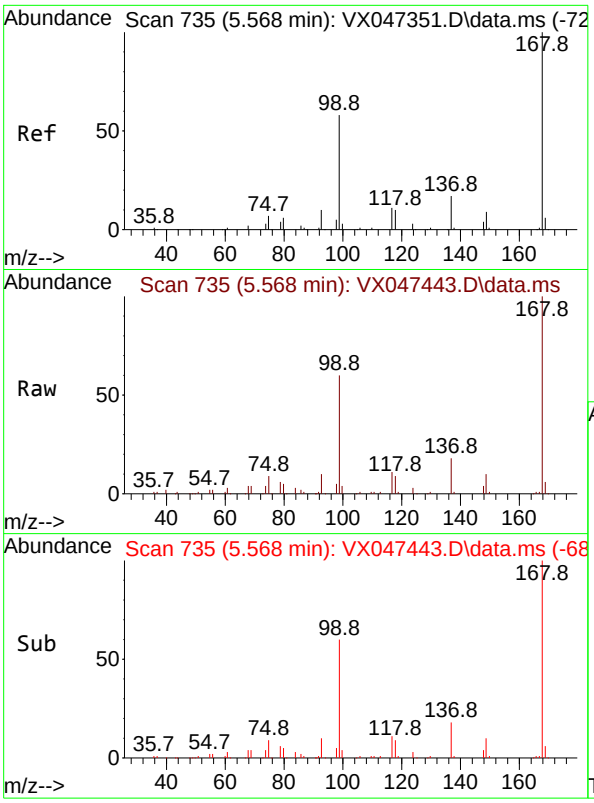
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047443.D
Acq On : 20 Aug 2025 15:25
Operator : JC/MD
Sample : Q2900-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MN-9C-081825

Quant Time: Aug 21 01:33:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



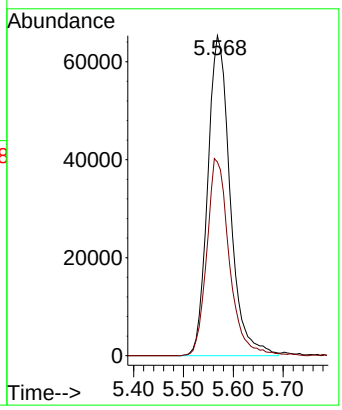


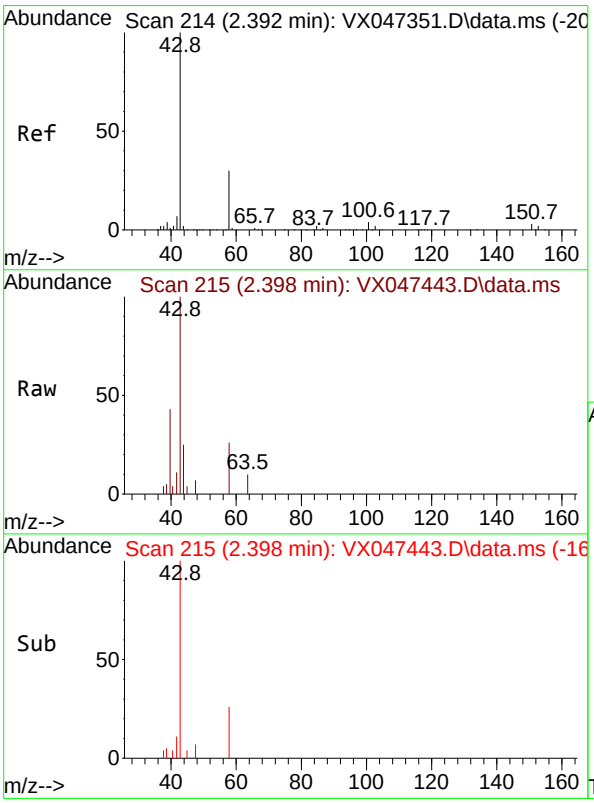
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047443.D
Acq: 20 Aug 2025 15:25

Instrument :
MSVOA_X
ClientSampleId :
MN-9C-081825

Tgt Ion:168 Resp: 203680

Ion	Ratio	Lower	Upper
168	100		
99	60.5	47.9	71.9

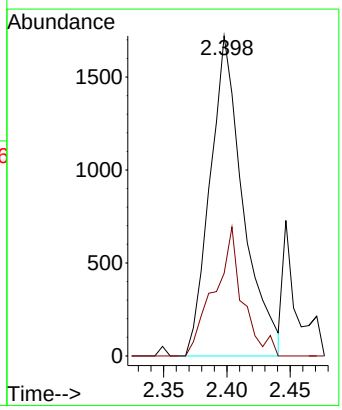


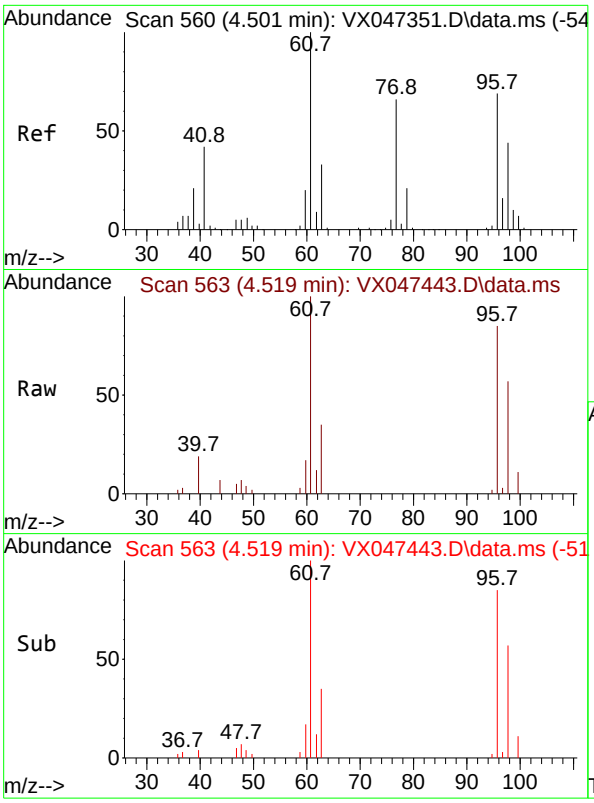


#16
Acetone
Concen: 2.908 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX047443.D
Acq: 20 Aug 2025 15:25

Tgt Ion: 43 Resp: 3116

Ion	Ratio	Lower	Upper
43	100		
58	27.8	24.8	37.2



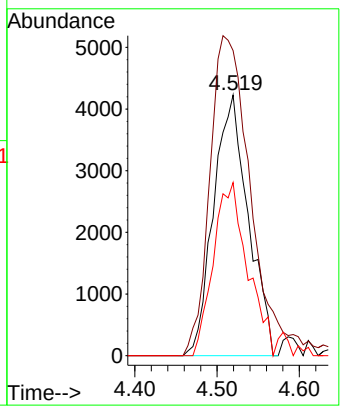


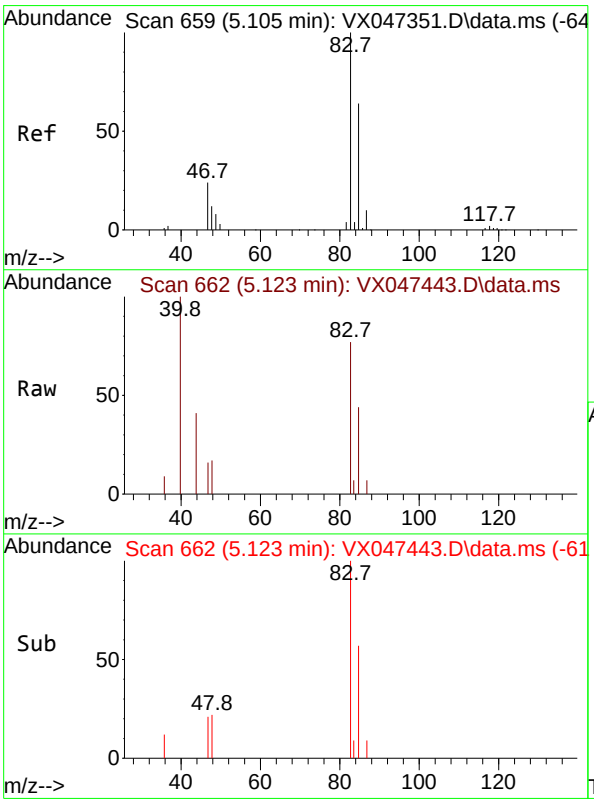
#27
cis-1,2-Dichloroethene
Concen: 3.911 ug/l
RT: 4.519 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX047443.D
Acq: 20 Aug 2025 15:25

Instrument :
MSVOA_X
ClientSampleId :
MN-9C-081825

Tgt Ion: 96 Resp: 12398

Ion	Ratio	Lower	Upper
96	100		
61	145.1	0.0	296.6
98	65.4	0.0	130.4

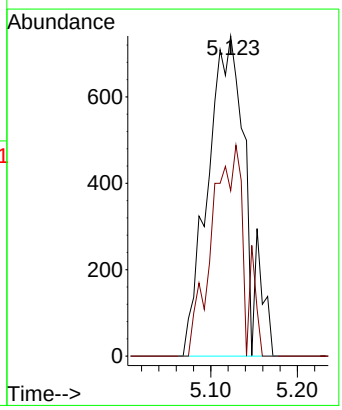


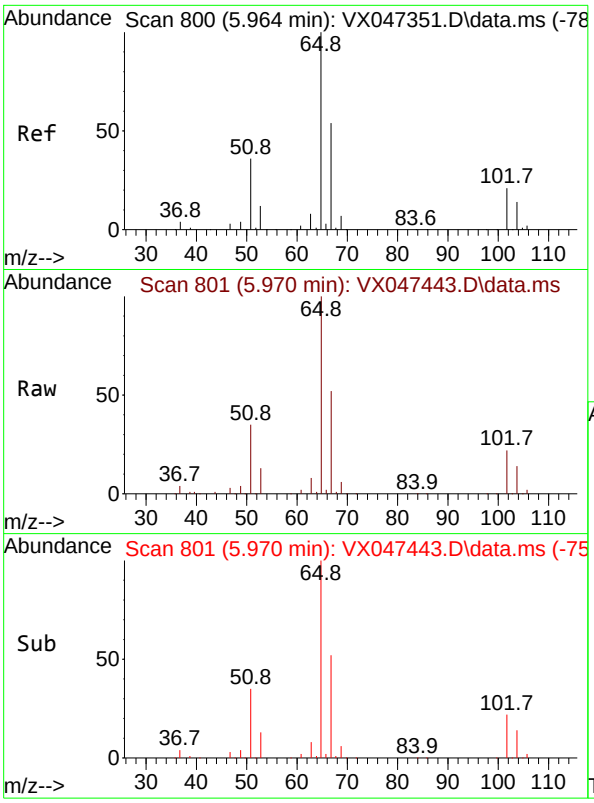


#30
Chloroform
Concen: 0.445 ug/l
RT: 5.123 min Scan# 662
Delta R.T. 0.018 min
Lab File: VX047443.D
Acq: 20 Aug 2025 15:25

Tgt Ion: 83 Resp: 2262

Ion	Ratio	Lower	Upper
83	100		
85	51.7	51.2	76.8



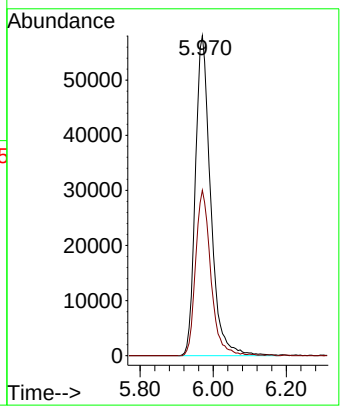


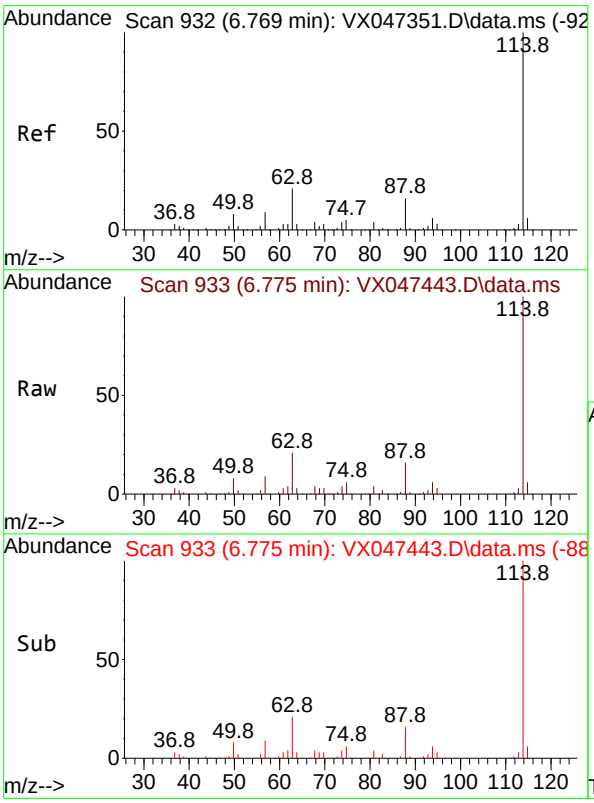
#33
1,2-Dichloroethane-d4
Concen: 59.205 ug/l
RT: 5.970 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047443.D
Acq: 20 Aug 2025 15:25

Instrument :
MSVOA_X
ClientSampleId :
MN-9C-081825

Tgt Ion: 65 Resp: 168768

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	106.0

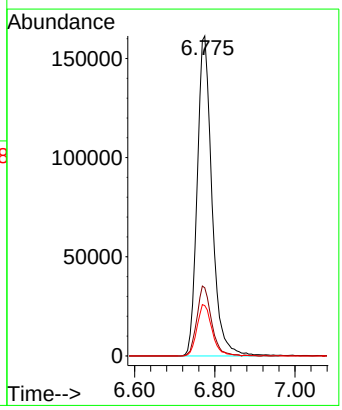


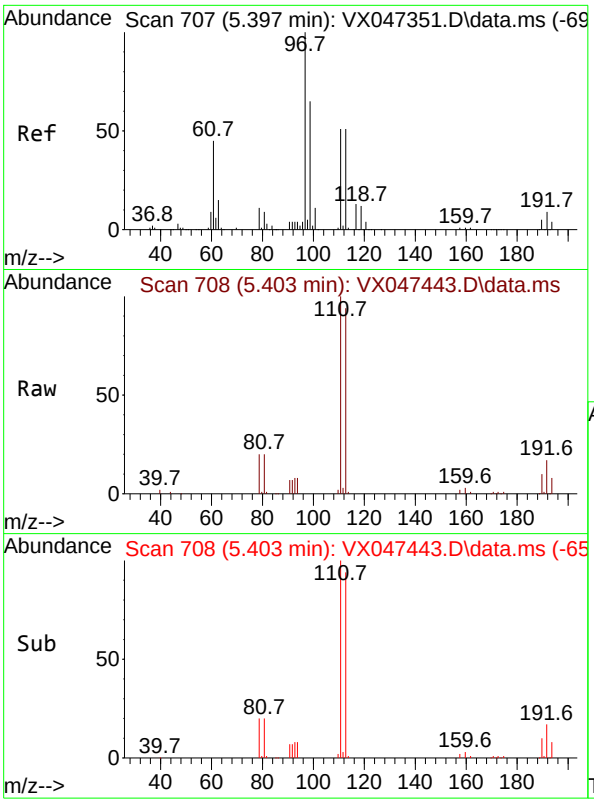


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.006 min
Lab File: VX047443.D
Acq: 20 Aug 2025 15:25

Tgt Ion:114 Resp: 413174

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	42.4
88	15.8	0.0	33.0



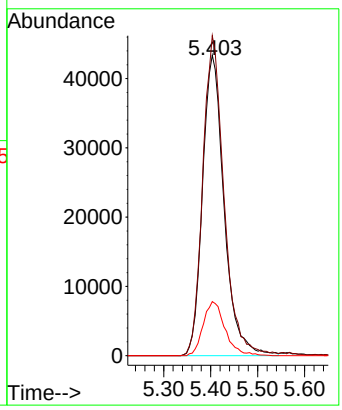


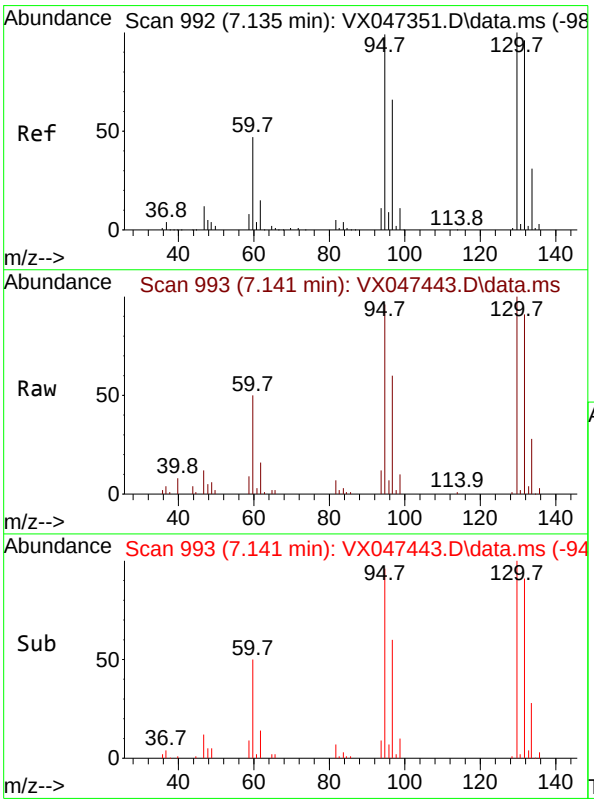
#35
Dibromofluoromethane
Concen: 51.514 ug/l
RT: 5.403 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047443.D
Acq: 20 Aug 2025 15:25

Instrument :
MSVOA_X
ClientSampleId :
MN-9C-081825

Tgt Ion:113 Resp: 138137

Ion	Ratio	Lower	Upper
113	100		
111	104.9	81.4	122.2
192	18.4	14.1	21.1

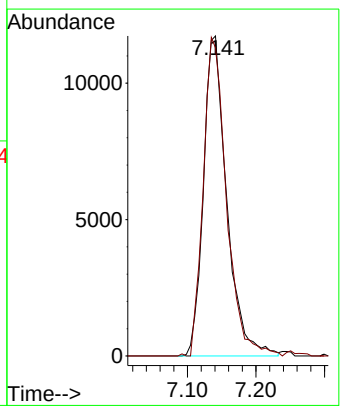


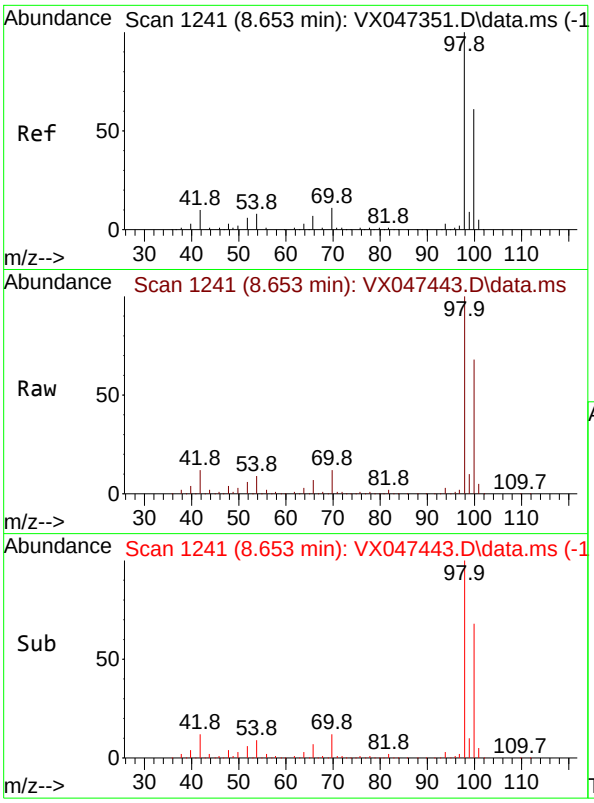


#44
Trichloroethene
Concen: 8.530 ug/l
RT: 7.141 min Scan# 993
Delta R.T. 0.006 min
Lab File: VX047443.D
Acq: 20 Aug 2025 15:25

Tgt Ion:130 Resp: 27675

Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	198.6



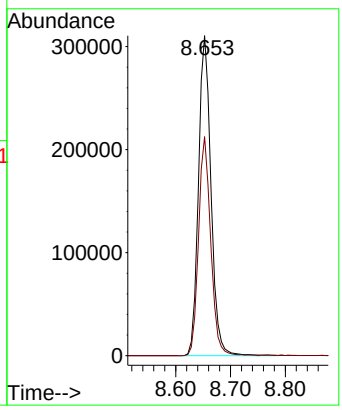


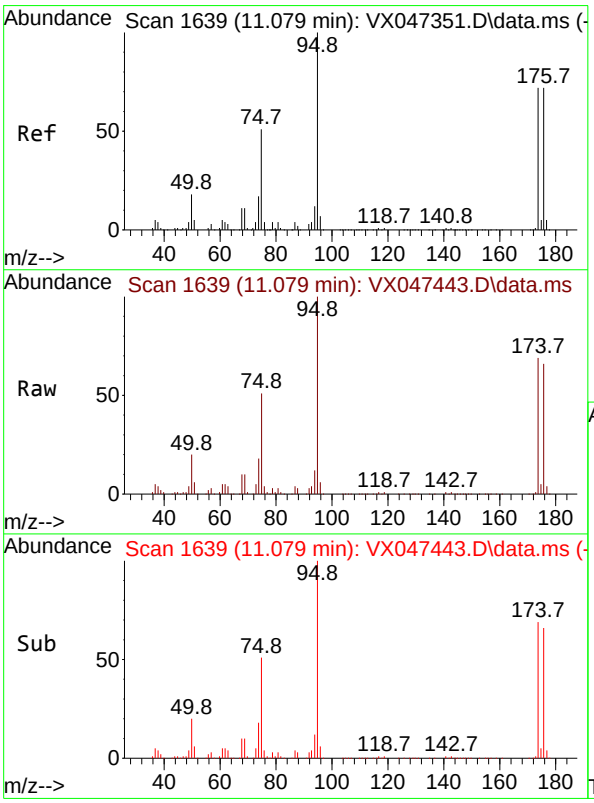
#50
Toluene-d8
Concen: 51.484 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047443.D
Acq: 20 Aug 2025 15:25

Instrument :
MSVOA_X
ClientSampleId :
MN-9C-081825

Tgt Ion: 98 Resp: 493451

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.9	80.9

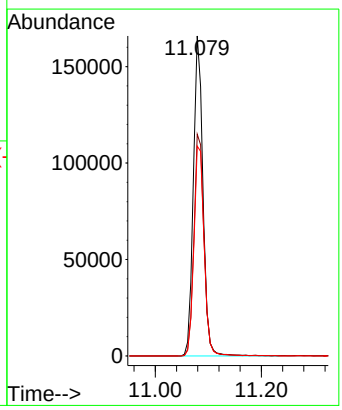


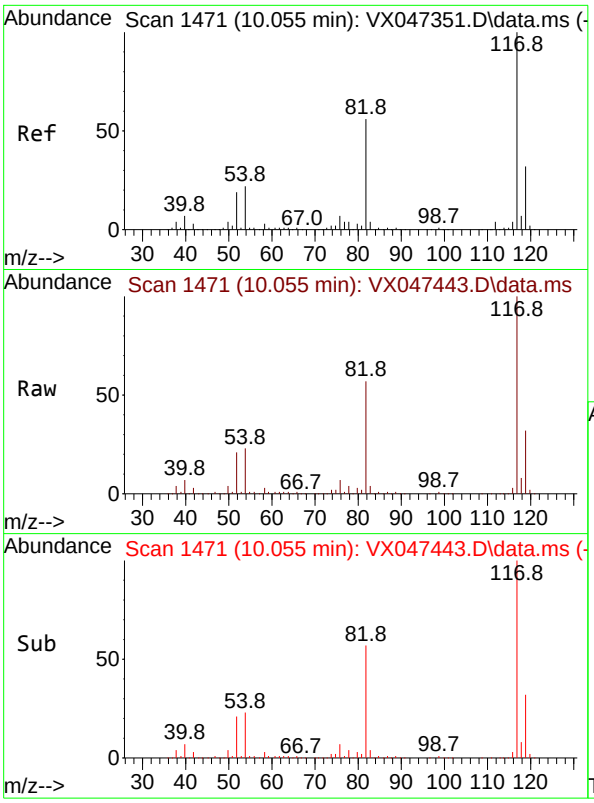


#62
4-Bromofluorobenzene
Concen: 58.660 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047443.D
Acq: 20 Aug 2025 15:25

Tgt Ion: 95 Resp: 207472

Ion	Ratio	Lower	Upper
95	100		
174	72.8	0.0	148.0
176	70.0	0.0	145.4



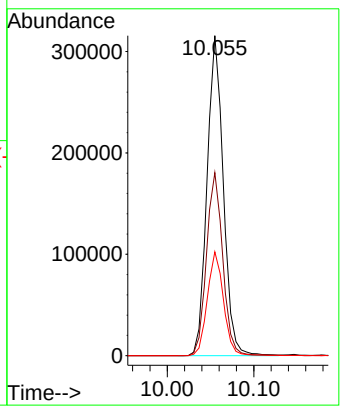


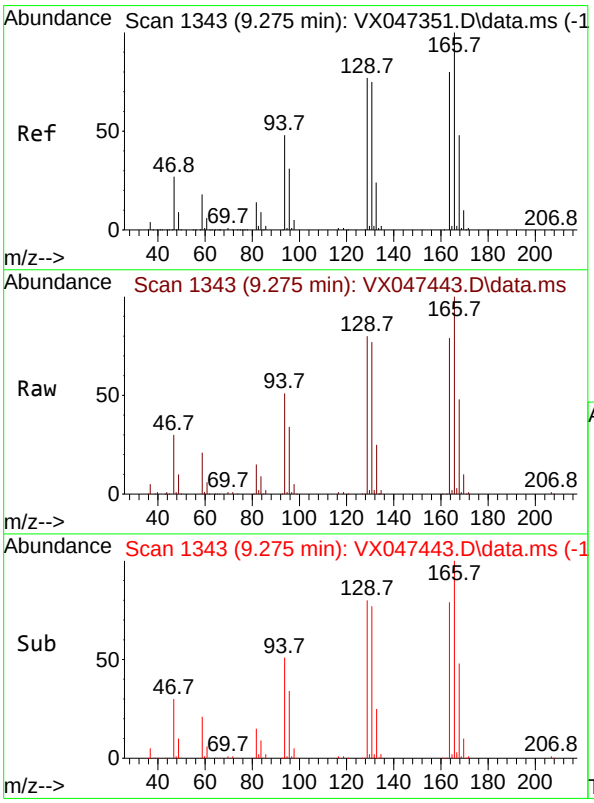
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047443.D
Acq: 20 Aug 2025 15:25

Instrument :
MSVOA_X
ClientSampleId :
MN-9C-081825

Tgt Ion:117 Resp: 412185

Ion	Ratio	Lower	Upper
117	100		
82	57.2	45.0	67.4
119	32.4	25.8	38.8

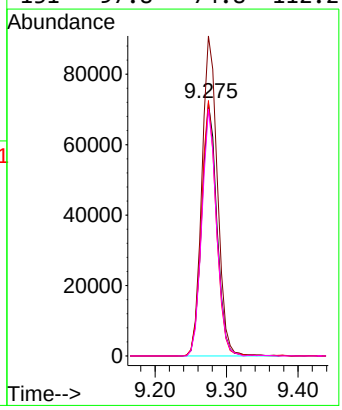


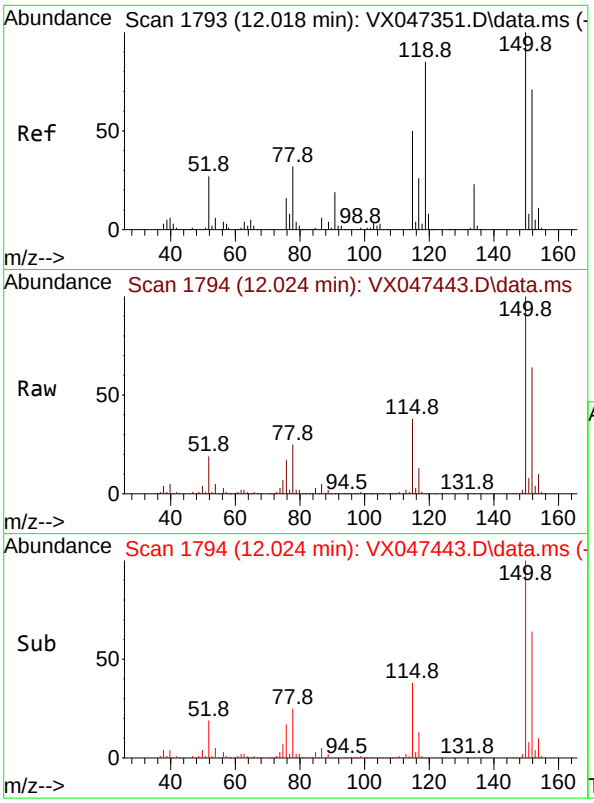


#64
Tetrachloroethene
Concen: 35.513 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047443.D
Acq: 20 Aug 2025 15:25

Tgt Ion:164 Resp: 105877

Ion	Ratio	Lower	Upper
164	100		
166	126.6	100.3	150.5
129	101.0	77.7	116.5
131	97.8	74.8	112.2



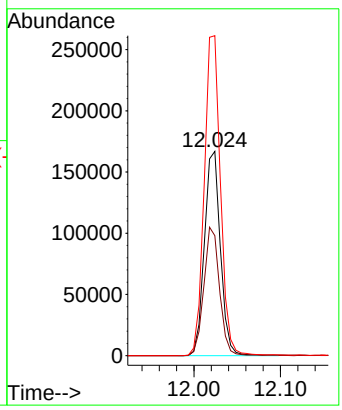


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047443.D
Acq: 20 Aug 2025 15:25

Instrument :
MSVOA_X
ClientSampleId :
MN-9C-081825

Tgt Ion:152 Resp: 214243

Ion	Ratio	Lower	Upper
152	100		
115	61.9	44.6	133.8
150	159.3	0.0	349.8



Sample Results: **VX047443.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047443.D
Acq On : 20 Aug 2025 15:25
Operator : JC/MD
Sample : Q2900-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MN-9C-081825

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047443.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.270	24	30	66	rBV	760646	2612221	100.00%	23.382%
2	4.513	552	562	573	rBV3	17466	58538	2.24%	0.524%
3	5.403	696	708	725	rBV2	147316	459671	17.60%	4.115%
4	5.568	725	735	756	rVB2	197939	621262	23.78%	5.561%
5	5.970	791	801	820	rBV	158165	461852	17.68%	4.134%
6	6.769	923	932	949	rBV	376713	977607	37.42%	8.751%
7	7.141	984	993	1009	rBV6	64043	153689	5.88%	1.376%
8	8.653	1234	1241	1256	rBV	840743	1331701	50.98%	11.920%
9	9.275	1337	1343	1356	rBV2	575439	838932	32.12%	7.509%
10	10.055	1465	1471	1483	rBV	983669	1292595	49.48%	11.570%
11	11.079	1634	1639	1655	rBV	768193	980493	37.53%	8.776%
12	12.018	1788	1793	1803	rBV	1046030	1338256	51.23%	11.979%
13	12.244	1825	1830	1839	rVB	34106	45156	1.73%	0.404%

Sum of corrected areas: 11171973

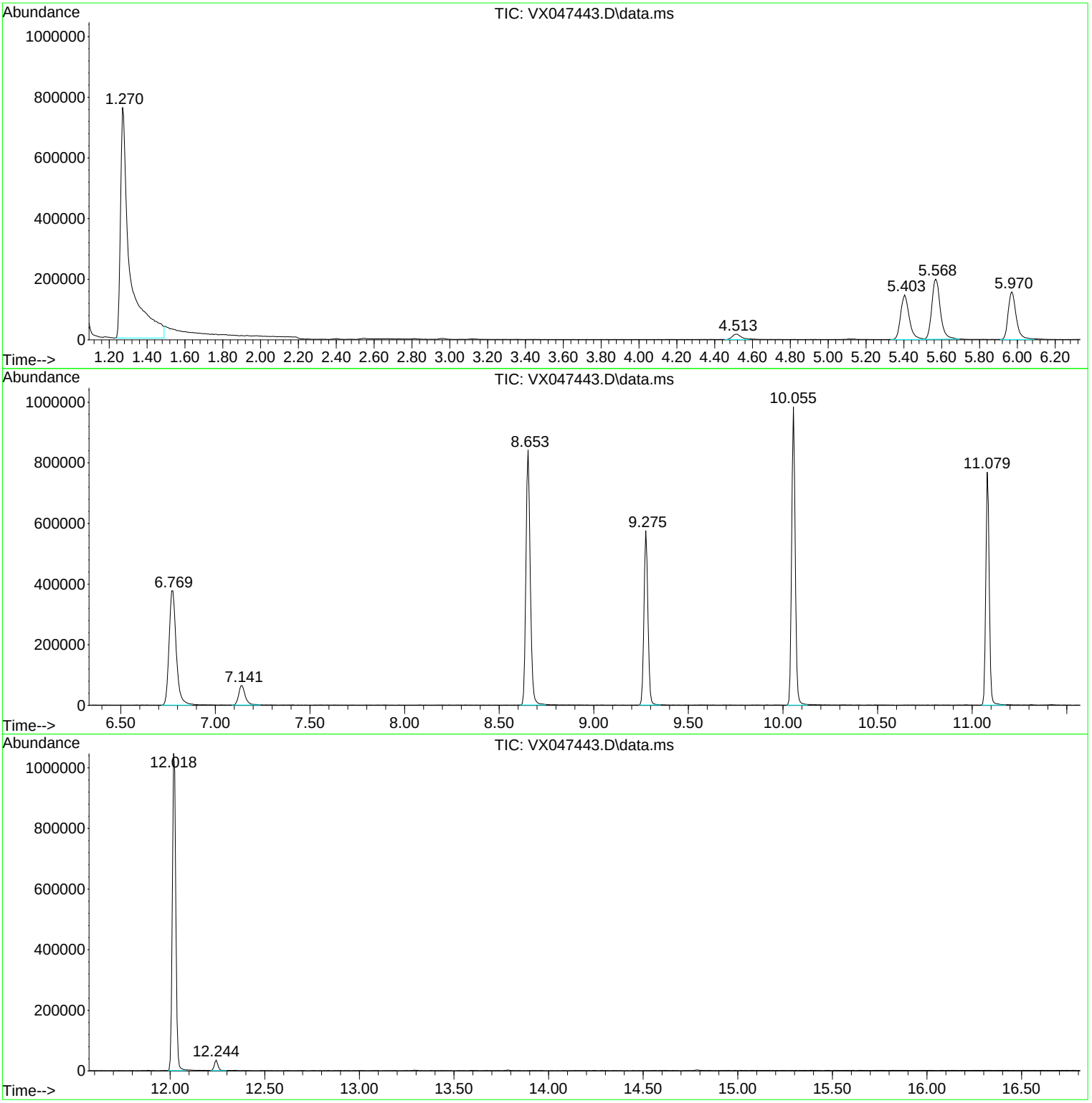
Sample Results: **VX047443.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047443.D
Acq On : 20 Aug 2025 15:25
Operator : JC/MD
Sample : Q2900-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MN-9C-081825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

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



Sample Results: **VX047443.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047443.D
Acq On : 20 Aug 2025 15:25
Operator : JC/MD
Sample : Q2900-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MN-9C-081825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

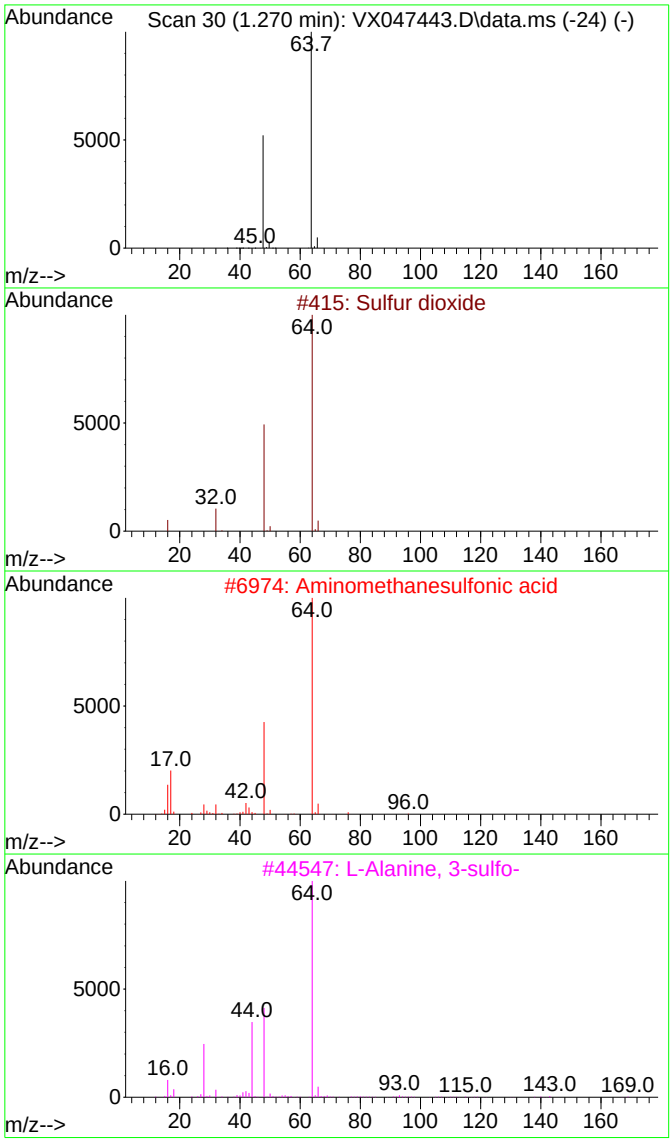
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

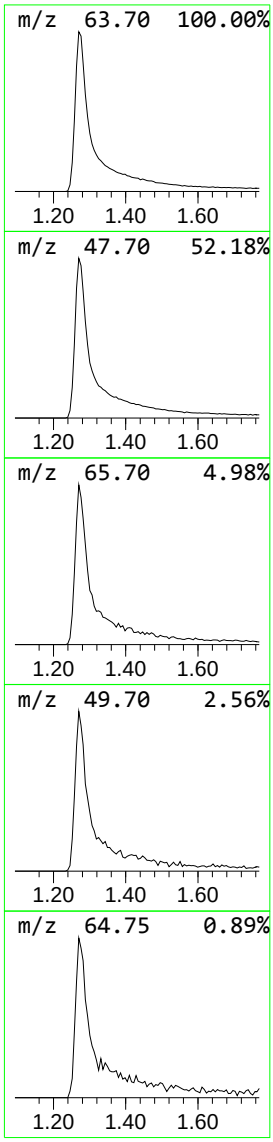
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.270	210.24 ug/l	2612220	Pentafluorobenzene	5.568

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047443.D
Acq On : 20 Aug 2025 15:25
Operator : JC/MD
Sample : Q2900-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MN-9C-081825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.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	1.270	210.2	ug/l	2612220	1	5.568	621262	50.0

Raw Data: **VX047444.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:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	MN-12C-081825	SDG No.:	Q2900
Lab Sample ID:	Q2900-02	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
VX047444.D	1	08/20/25 15:47	VX082025

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	60.1		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	1.30	J	0.23	5.00	ug/L
67-64-1	Acetone	3.90	J	1.50	25.0	ug/L
75-15-0	Carbon Disulfide	1.30	J	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	300	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	350	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	0.30	J	0.16	5.00	ug/L
71-43-2	Benzene	3100	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	270	E	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	2900	E	0.14	5.00	ug/L

Raw Data: **VX047444.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:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	MN-12C-081825	SDG No.:	Q2900
Lab Sample ID:	Q2900-02	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
VX047444.D	1	08/20/25 15:47	VX082025

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	190	E	0.23	5.00	ug/L
108-90-7	Chlorobenzene	5.00	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	1100	E	0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	1100	E	0.24	10.0	ug/L
95-47-6	o-Xylene	790	E	0.12	5.00	ug/L
100-42-5	Styrene	770	E	0.15	5.00	ug/L
75-25-2	Bromoform	5.00	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	32.1		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	63.7	*	74 - 125	127%	SPK: 50
1868-53-7	Dibromofluoromethane	66.1	*	75 - 124	132%	SPK: 50
2037-26-5	Toluene-d8	55.6		86 - 113	111%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.2		77 - 121	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	210000	5.568			
540-36-3	1,4-Difluorobenzene	348000	6.775			
3114-55-4	Chlorobenzene-d5	344000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	173000	12.024			
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:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	MN-12C-081825	SDG No.:	Q2900
Lab Sample ID:	Q2900-02	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
VX047444.D	1	08/20/25 15:47	VX082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
103-65-1	n-propylbenzene	15.0	J		11.3	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	400	J		11.4	ug/L
108-67-8	1,3,5-Trimethylbenzene	87.6	J		11.5	ug/L
95-63-6	1,2,4-Trimethylbenzene	340	J		11.8	ug/L
000100-80-1	Benzene, 1-ethenyl-3-methyl-	290	J		11.8	ug/L
99-87-6	p-Isopropyltoluene	5.40	J		12.0	ug/L
000496-11-7	Indane	820	J		12.2	ug/L
000095-13-6	Indene	3200	J		12.4	ug/L
002177-47-1	2-Methylindene	410	J		13.3	ug/L
065051-83-4	Benzene, (1-methyl-2-cyclopropen-1	510	J		13.4	ug/L
000275-51-4	Azulene	4400	J		13.8	ug/L
000270-82-6	Benzo[c]thiophene	230	J		13.9	ug/L
000090-12-0	Naphthalene, 1-methyl-	400	J		14.8	ug/L

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

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

Sample Results: **VX047444.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047444.D
Acq On : 20 Aug 2025 15:47
Operator : JC/MD
Sample : Q2900-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 21 01:33:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825

Manual Integrations APPROVED

Reviewed By :John Carlone
08/21/2025
Supervised By :Mahesh Dadoda
08/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	210277	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	348314	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	344337	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	172936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.983	65	187575	63.738	ug/l	0.02
Spiked Amount 50.000	Range 78 - 117		Recovery = 127.480%#			
35) Dibromofluoromethane	5.397	113	149442	66.108	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 132.220%#			
50) Toluene-d8	8.659	98	449426	55.622	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 111.240%			
62) 4-Bromofluorobenzene	11.079	95	158726	53.234	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.460%			
Target Compounds						Qvalue
4) Vinyl Chloride	1.392	62	181760	60.053	ug/l #	75
12) 1,1-Dichloroethene	2.343	96	3525	1.331	ug/l	87
16) Acetone	2.392	43	4274	3.864	ug/l	91
17) Carbon Disulfide	2.544	76	10187	1.275	ug/l	99
21) trans-1,2-Dichloroethene	3.111	96	844474	300.521	ug/l	99
27) cis-1,2-Dichloroethene	4.507	96	1137746	347.626	ug/l	89
31) Cyclohexane	5.489	56	1434	0.303	ug/l #	84
39) Methylcyclohexane	7.391	83	1328	0.298	ug/l #	94
40) Benzene	6.056	78	32694755m	3060.961	ug/l	
44) Trichloroethene	7.135	130	739313	270.318	ug/l	99
52) Toluene	8.738	92	18918291	2866.322	ug/l #	1
64) Tetrachloroethene	9.275	164	469074	188.334	ug/l	99
67) Ethyl Benzene	10.195	91	15677494	1113.162	ug/l #	83
68) m/p-Xylenes	10.311	106	5798914	1104.240	ug/l	95
69) o-Xylene	10.647	106	4004397	792.368	ug/l	95
70) Styrene	10.665	104	6595733	772.418	ug/l	96
73) Isopropylbenzene	10.964	105	434411	32.100	ug/l	99
78) n-propylbenzene	11.305	91	242307	14.992	ug/l #	54
80) 1,3,5-Trimethylbenzene	11.451	105	975616	87.618	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	3793504	340.680	ug/l	98
86) p-Isopropyltoluene	12.012	119	63382	5.440	ug/l #	75

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047444.D
Acq On : 20 Aug 2025 15:47
Operator : JC/MD
Sample : Q2900-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 21 01:33:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

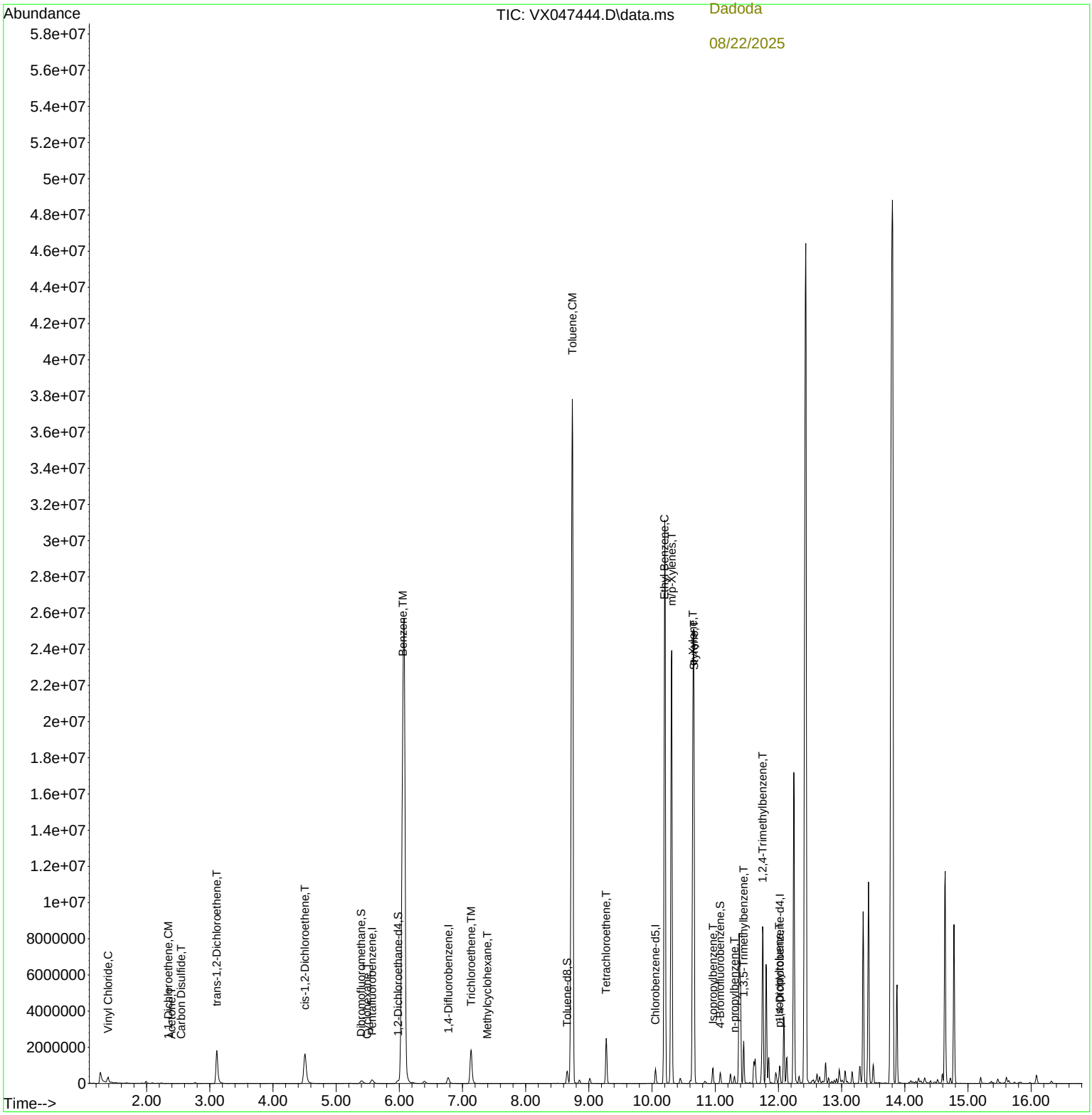
Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825

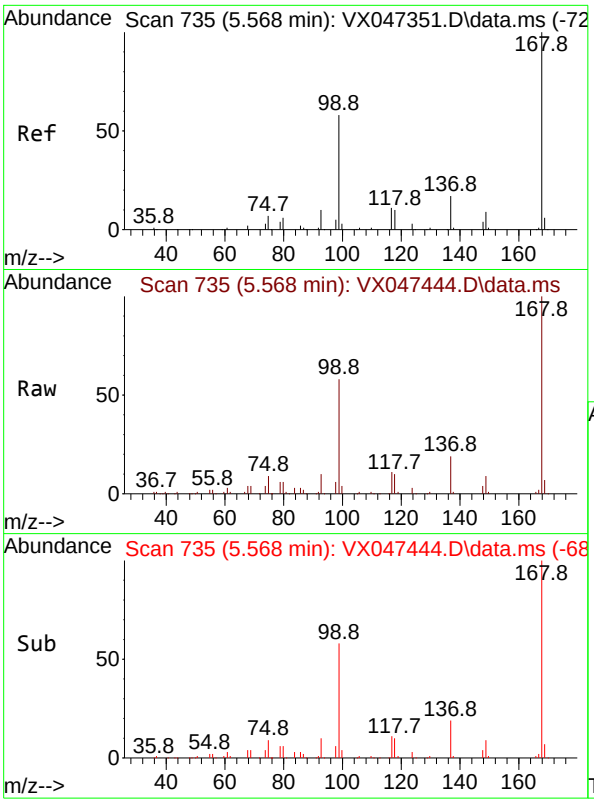
Manual Integrations APPROVED

Reviewed By :John Carlone

08/21/2025
Supervised By :Mahesh Dadoda

08/22/2025

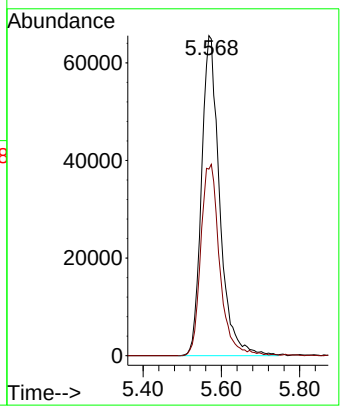




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047444.D
Acq: 20 Aug 2025 15:47

Tgt Ion:168 Resp: 21027

Ion	Ratio	Lower	Upper
168	100		
99	58.3	47.9	71.9



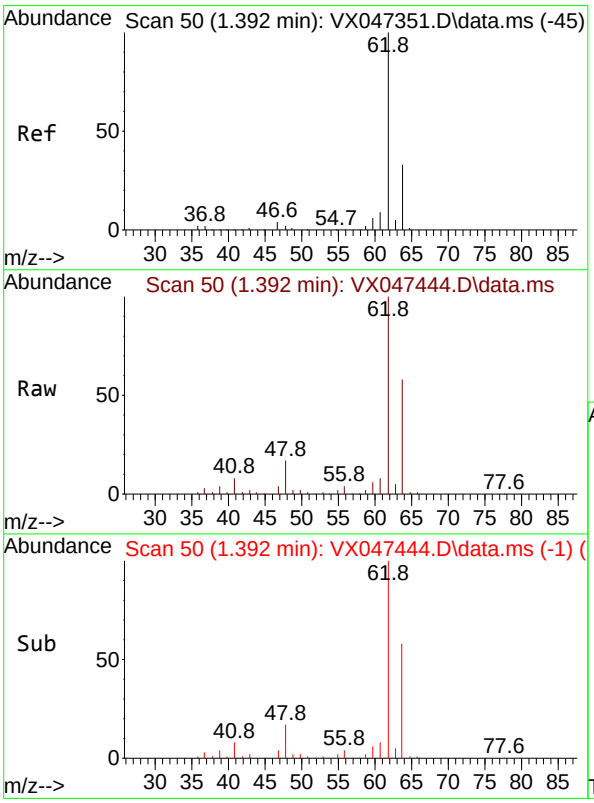
Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825

Manual Integrations
APPROVED

Reviewed By :John Carlone

08/21/2025
Supervised By :Mahesh Dadoda

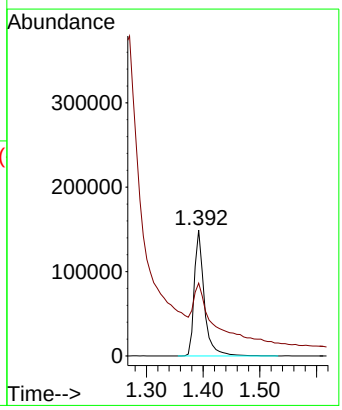
08/22/2025

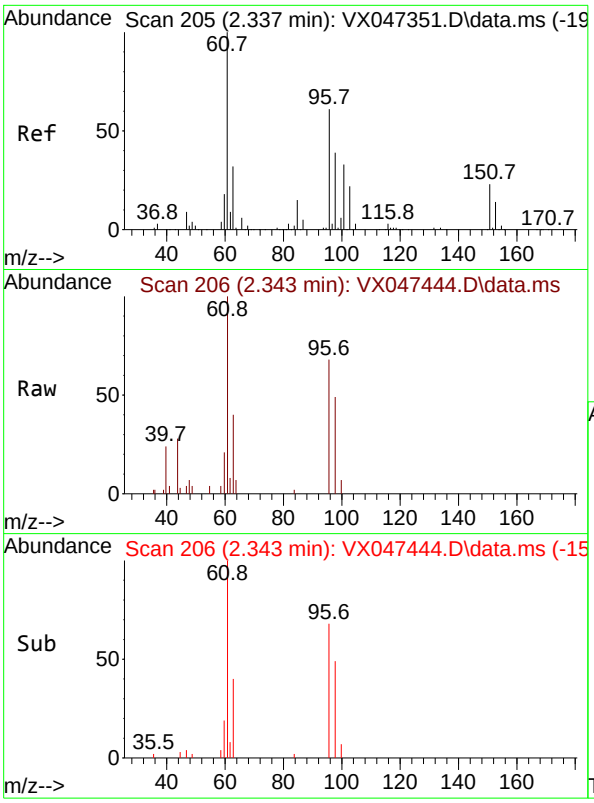


#4
Vinyl Chloride
Concen: 60.053 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.000 min
Lab File: VX047444.D
Acq: 20 Aug 2025 15:47

Tgt Ion: 62 Resp: 181760

Ion	Ratio	Lower	Upper
62	100		
64	47.5	26.5	39.7#

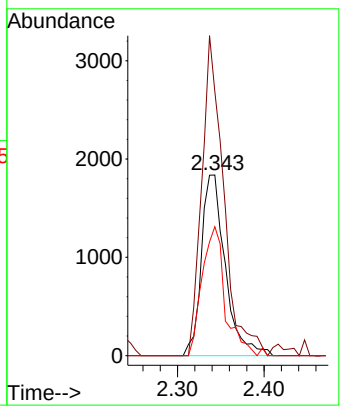




#12
1,1-Dichloroethene
Concen: 1.331 ug/l
RT: 2.343 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047444.D
Acq: 20 Aug 2025 15:47

Tgt Ion: 96 Resp: 352

Ion	Ratio	Lower	Upper
96	100		
61	146.2	132.2	198.2
98	71.4	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825

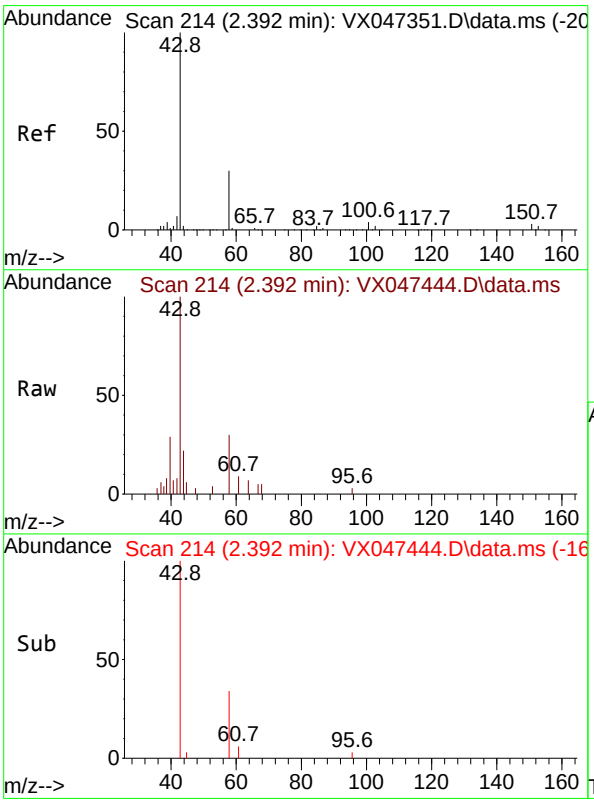
Manual Integrations APPROVED

Reviewed By :John Carlone

08/21/2025

Supervised By :Mahesh Dadoda

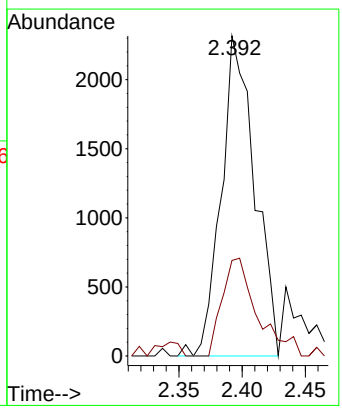
08/22/2025

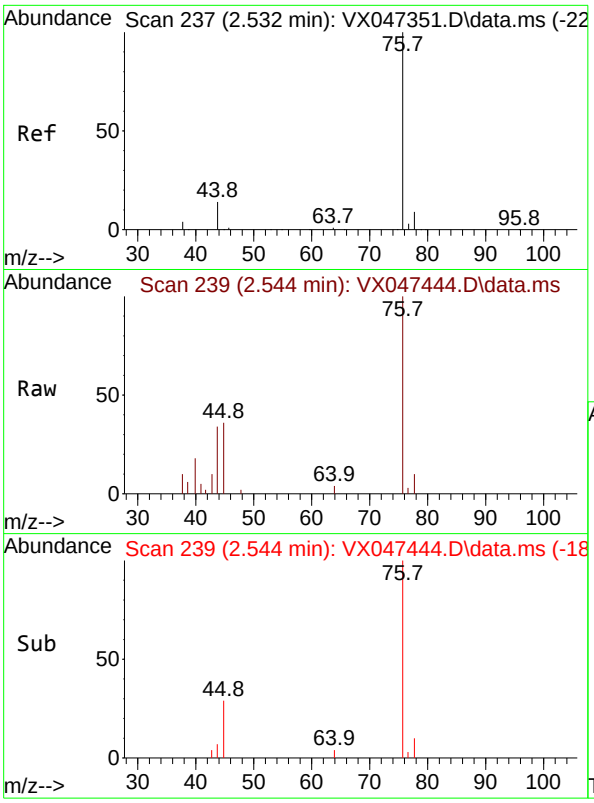


#16
Acetone
Concen: 3.864 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047444.D
Acq: 20 Aug 2025 15:47

Tgt Ion: 43 Resp: 4274

Ion	Ratio	Lower	Upper
43	100		
58	25.9	24.8	37.2

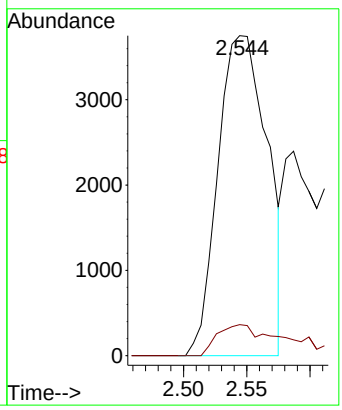




#17
Carbon Disulfide
Concen: 1.275 ug/l
RT: 2.544 min Scan# 2
Delta R.T. 0.012 min
Lab File: VX047444.D
Acq: 20 Aug 2025 15:47

Tgt Ion: 76 Resp: 1018

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.2	10.8



Instrument :
MSVOA_X
ClientSampleId :
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Supervised By :Mahesh
Dadoda

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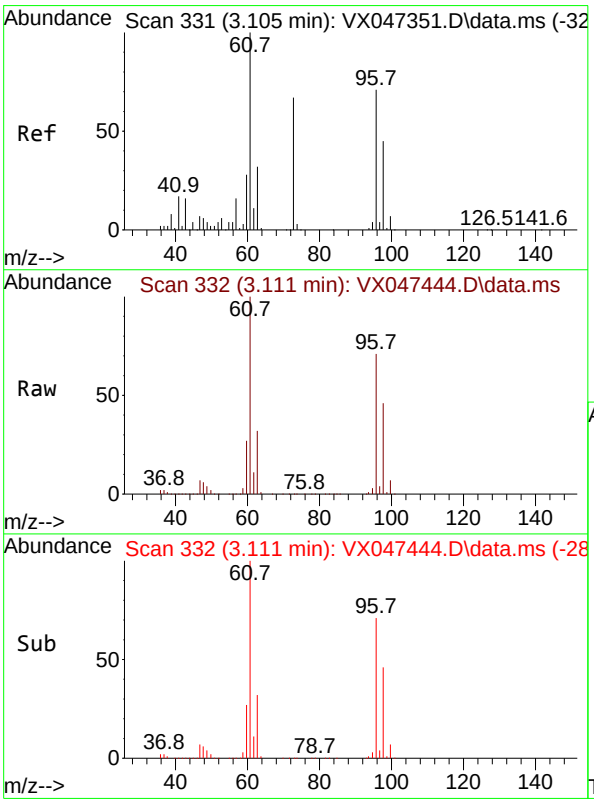
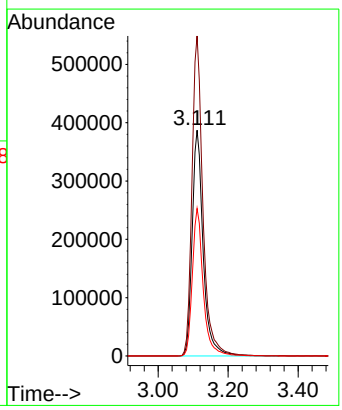
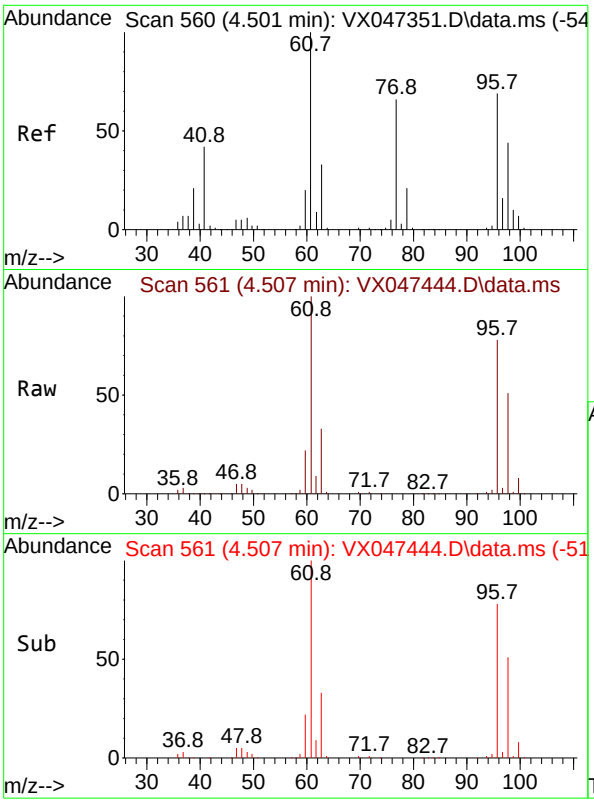


#21
trans-1,2-Dichloroethene
Concen: 300.521 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.006 min
Lab File: VX047444.D
Acq: 20 Aug 2025 15:47

Tgt Ion: 96 Resp: 844474

Ion	Ratio	Lower	Upper
96	100		
61	141.7	112.6	169.0
98	65.3	50.9	76.3

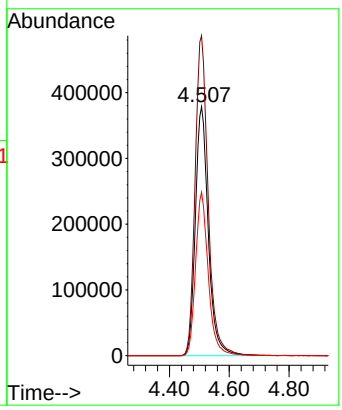




#27
cis-1,2-Dichloroethene
Concen: 347.626 ug/l
RT: 4.507 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047444.D
Acq: 20 Aug 2025 15:47

Tgt Ion: 96 Resp: 113774

Ion	Ratio	Lower	Upper
96	100		
61	129.2	0.0	296.6
98	64.5	0.0	130.4



Instrument :
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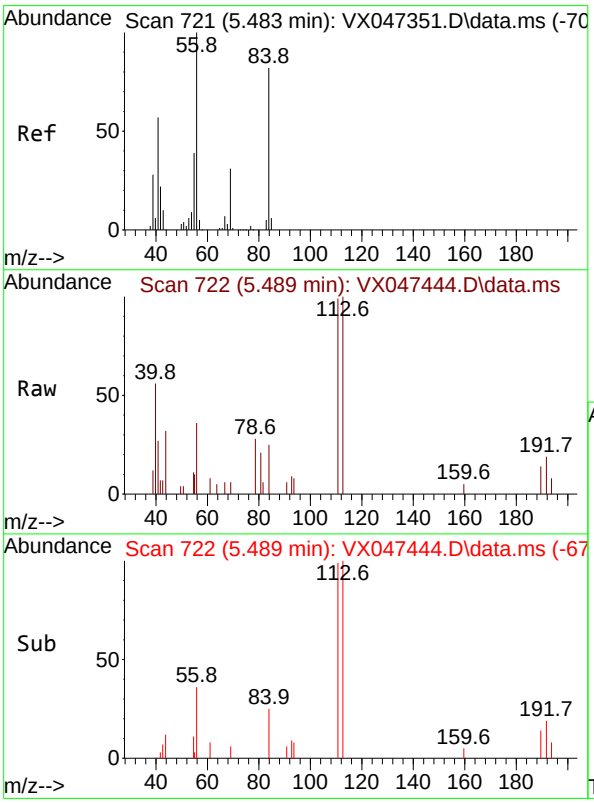
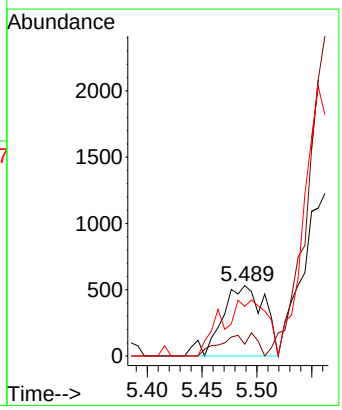
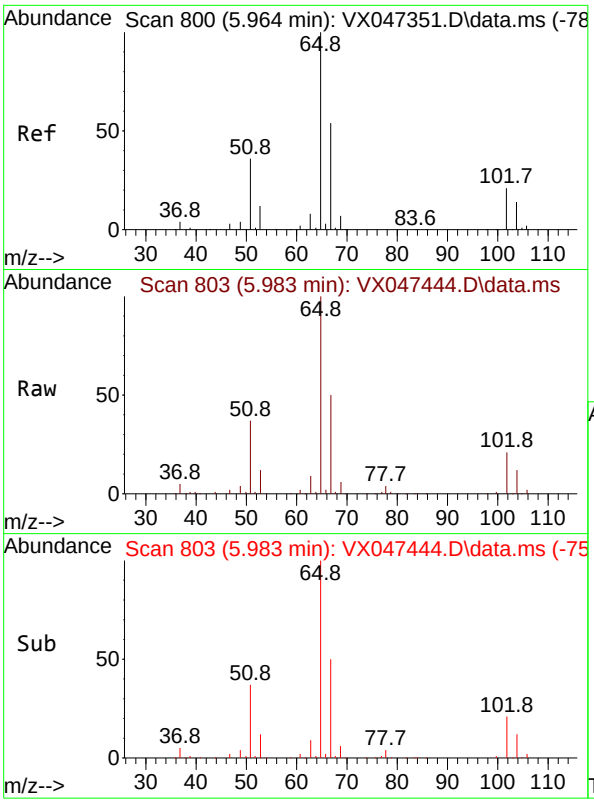


#31
Cyclohexane
Concen: 0.303 ug/l
RT: 5.489 min Scan# 722
Delta R.T. 0.006 min
Lab File: VX047444.D
Acq: 20 Aug 2025 15:47

Tgt Ion: 56 Resp: 1434

Ion	Ratio	Lower	Upper
56	100		
69	16.7	24.3	36.5#
84	70.3	65.3	97.9

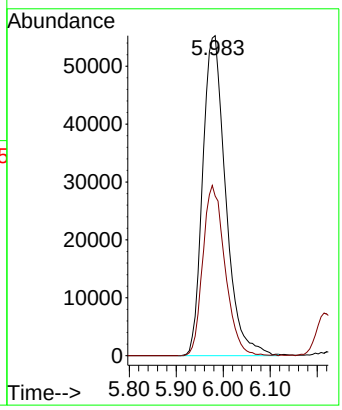




#33
1,2-Dichloroethane-d4
Concen: 63.738 ug/l
RT: 5.983 min Scan# 8
Delta R.T. 0.018 min
Lab File: VX047444.D
Acq: 20 Aug 2025 15:47

Tgt Ion: 65 Resp: 18757

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	106.0



Instrument :
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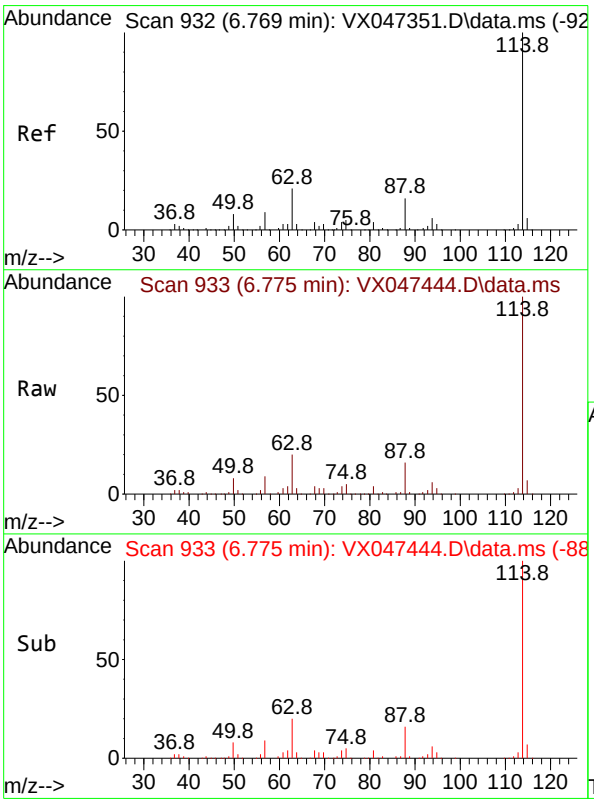
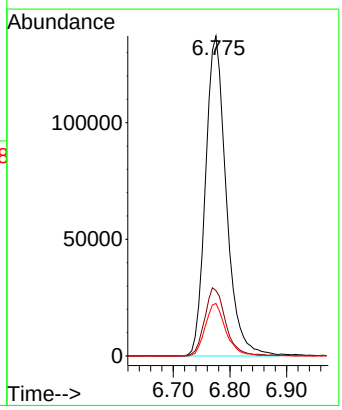
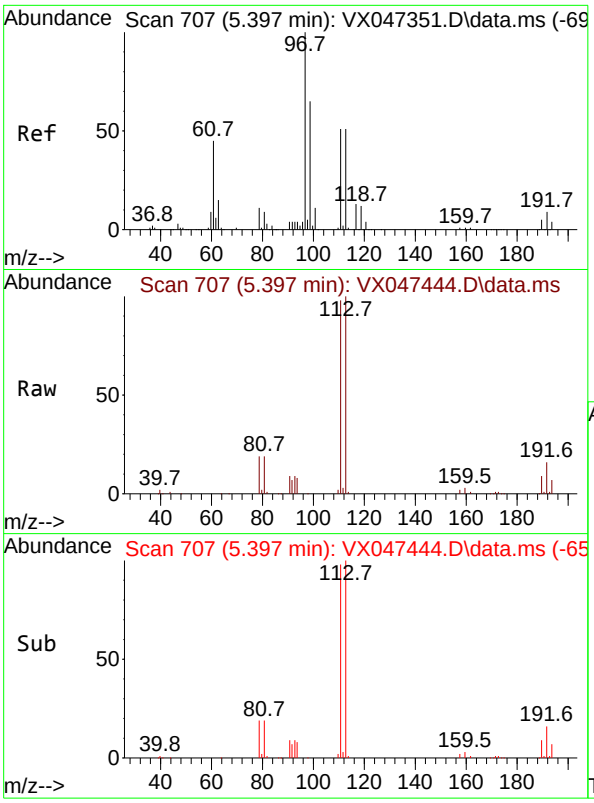


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.006 min
Lab File: VX047444.D
Acq: 20 Aug 2025 15:47

Tgt Ion:114 Resp: 348314

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	42.4
88	16.4	0.0	33.0

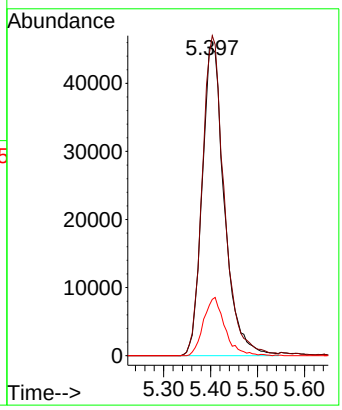




#35
Dibromofluoromethane
Concen: 66.108 ug/l
RT: 5.397 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047444.D
Acq: 20 Aug 2025 15:47

Tgt Ion:113 Resp: 14944

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.4	122.2
192	18.1	14.1	21.1



Instrument :
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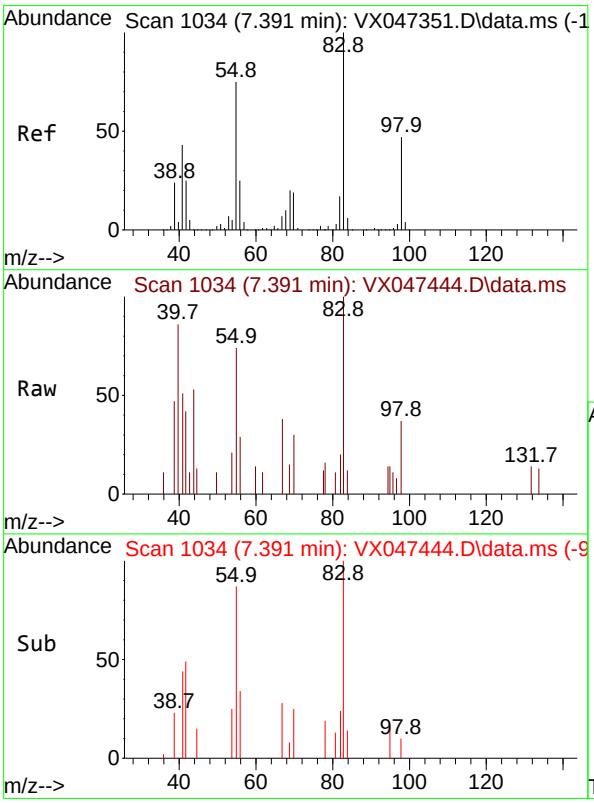
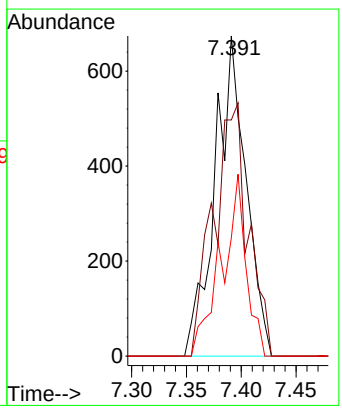
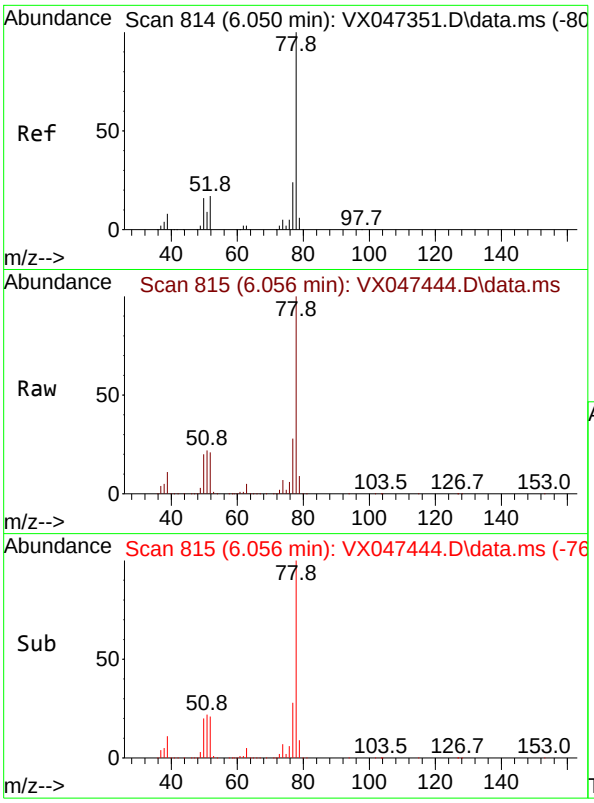


#39
Methylcyclohexane
Concen: 0.298 ug/l
RT: 7.391 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VX047444.D
Acq: 20 Aug 2025 15:47

Tgt Ion: 83 Resp: 1328

Ion	Ratio	Lower	Upper
83	100		
55	73.7	60.0	90.0
98	36.9	37.2	55.8#

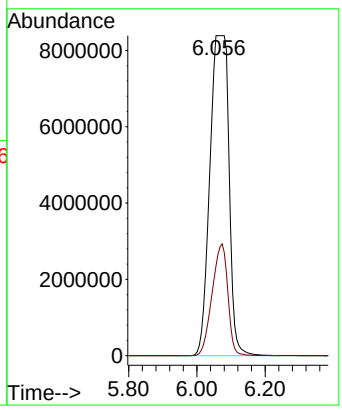




#40
Benzene
Concen: 3060.961 ug/l m
RT: 6.056 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047444.D
Acq: 20 Aug 2025 15:47

Tgt Ion: 78 Resp:3269475

Ion	Ratio	Lower	Upper
78	100		
77	28.0	19.0	28.4



Instrument :
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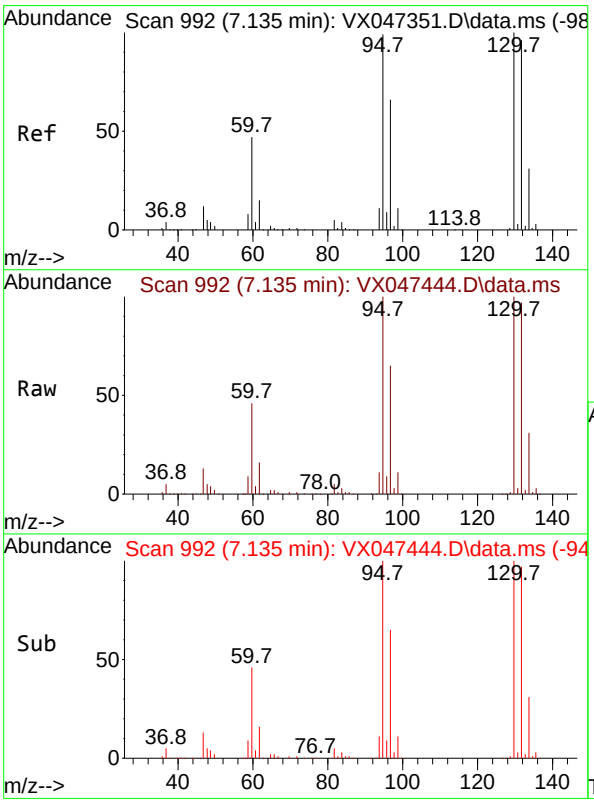
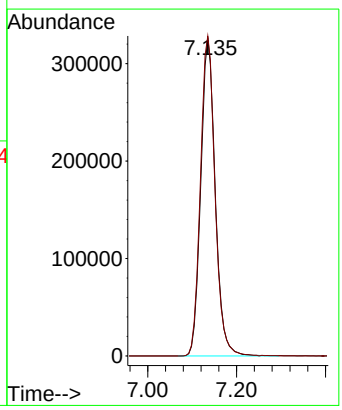
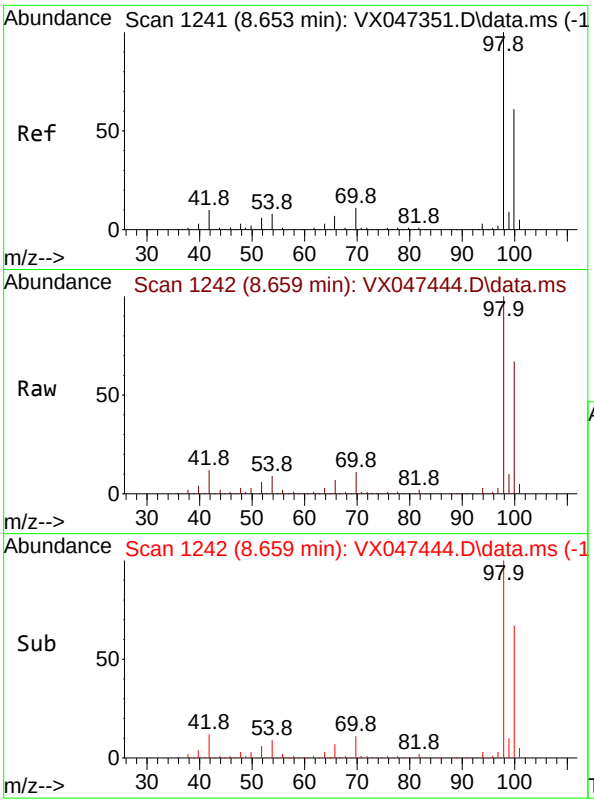


#44
Trichloroethene
Concen: 270.318 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.000 min
Lab File: VX047444.D
Acq: 20 Aug 2025 15:47

Tgt Ion:130 Resp: 739313

Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	198.6

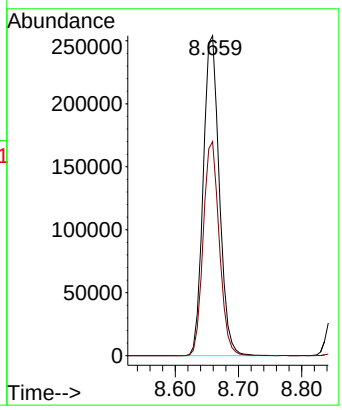




#50
Toluene-d8
Concen: 55.622 ug/l
RT: 8.659 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047444.D
Acq: 20 Aug 2025 15:47

Tgt Ion: 98 Resp: 44942

Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.9	80.9



Instrument :
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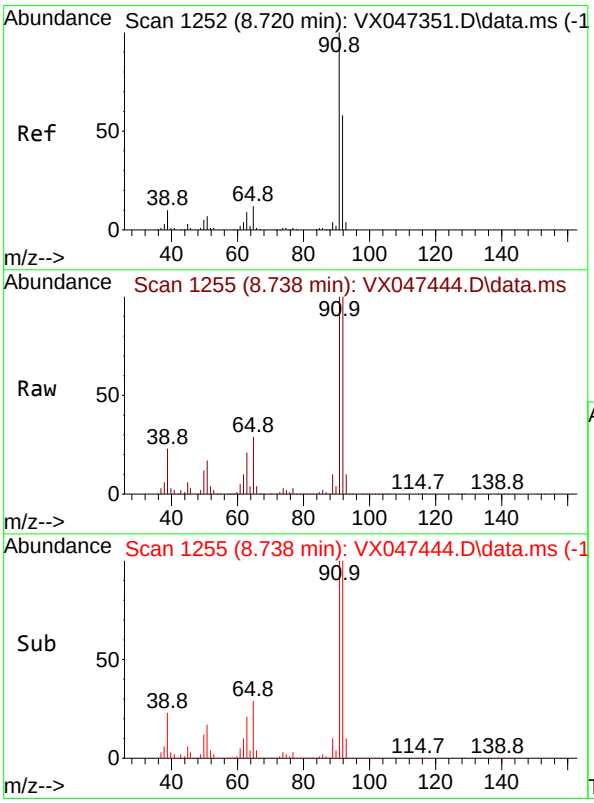
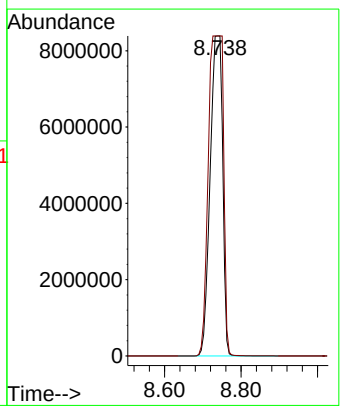
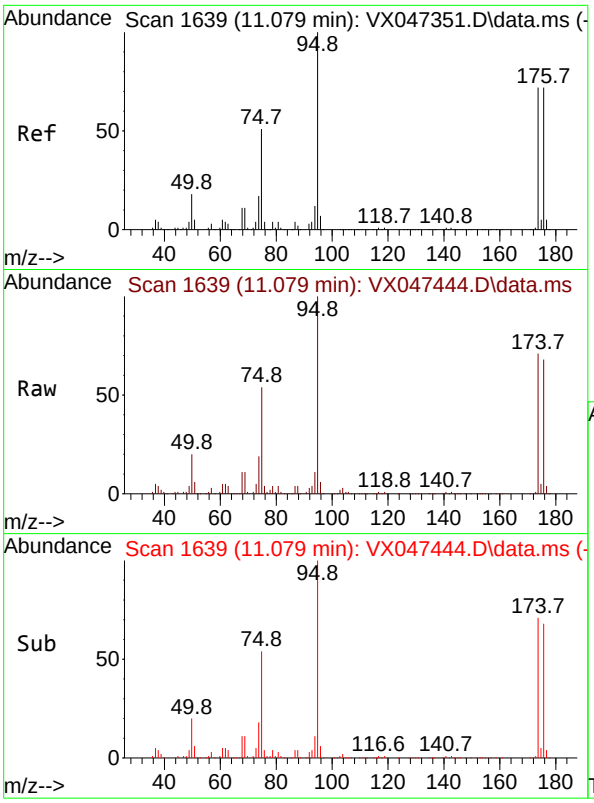


#52
Toluene
Concen: 2866.322 ug/l
RT: 8.738 min Scan# 1255
Delta R.T. 0.018 min
Lab File: VX047444.D
Acq: 20 Aug 2025 15:47

Tgt Ion: 92 Resp:18918291

Ion	Ratio	Lower	Upper
92	100		
91	0.0	136.3	204.5#

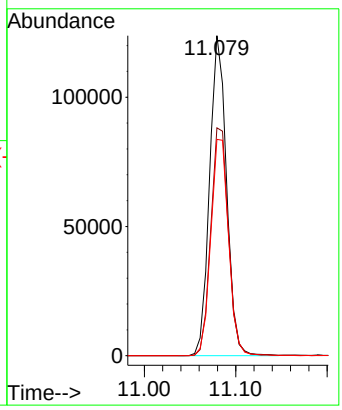




#62
4-Bromofluorobenzene
Concen: 53.234 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047444.D
Acq: 20 Aug 2025 15:47

Tgt Ion: 95 Resp: 15872

Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	148.0
176	71.1	0.0	145.4



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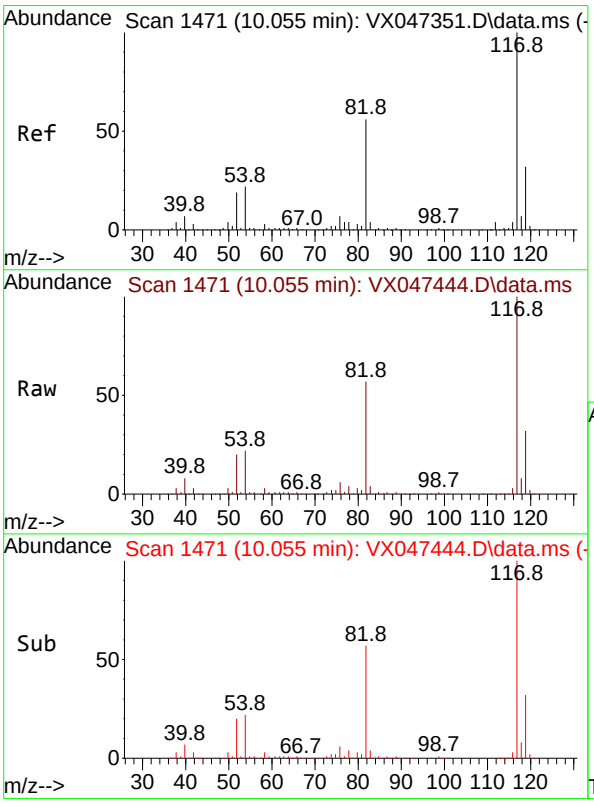
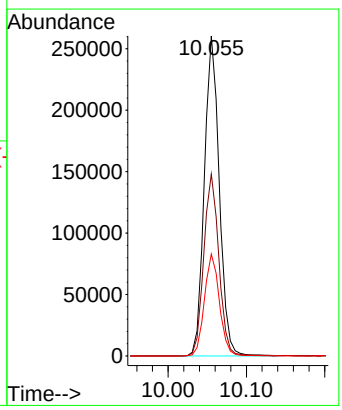
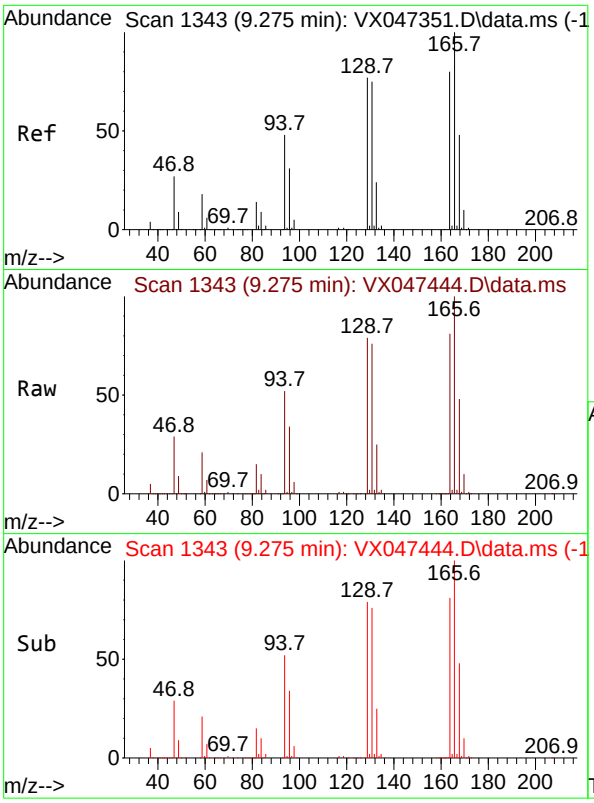


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047444.D
Acq: 20 Aug 2025 15:47

Tgt Ion:117 Resp: 344337

Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.0	67.4
119	31.8	25.8	38.8

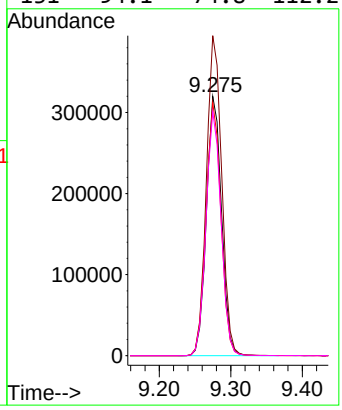




#64
Tetrachloroethene
Concen: 188.334 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047444.D
Acq: 20 Aug 2025 15:47

Tgt Ion:164 Resp: 46907

Ion	Ratio	Lower	Upper
164	100		
166	123.5	100.3	150.5
129	97.6	77.7	116.5
131	94.1	74.8	112.2



Instrument :
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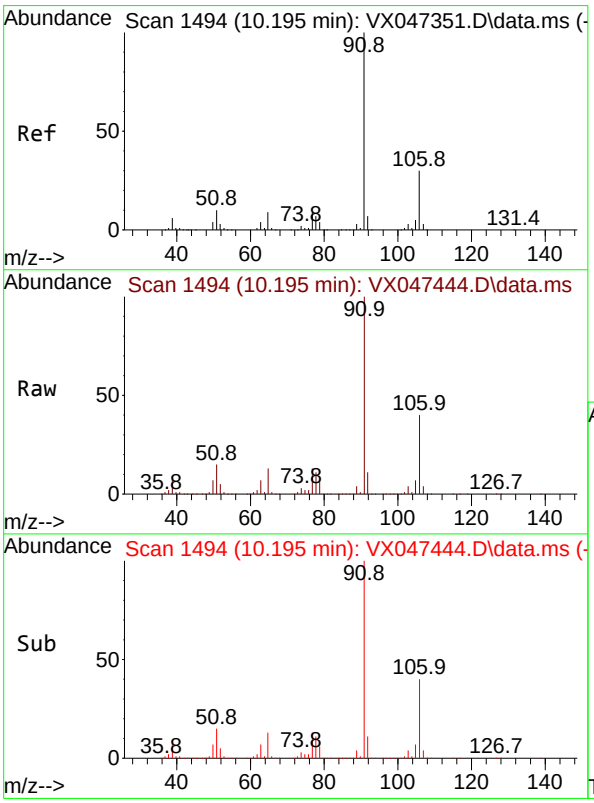
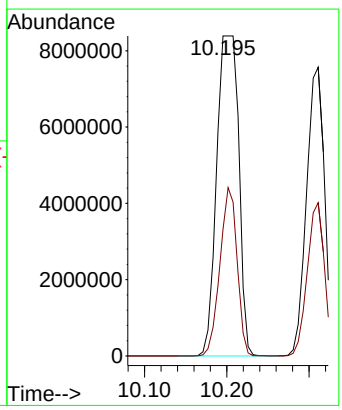
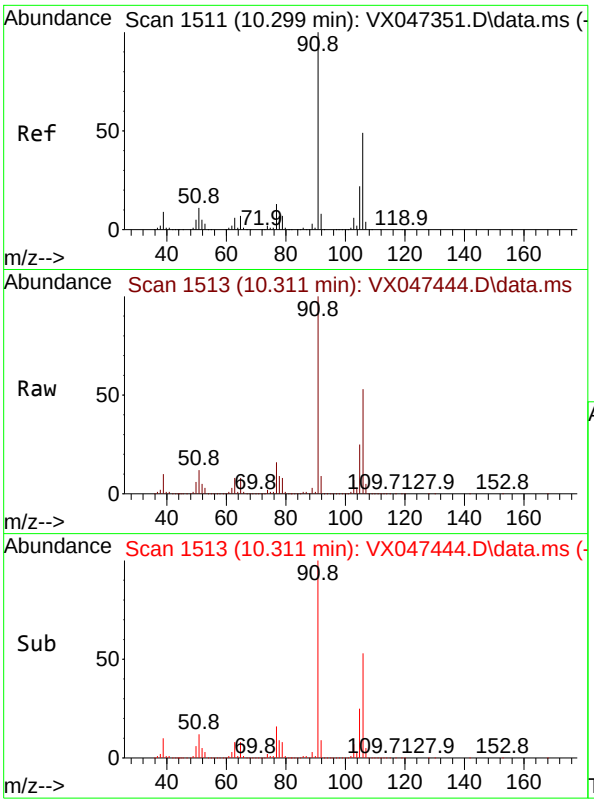


#67
Ethyl Benzene
Concen: 1113.162 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX047444.D
Acq: 20 Aug 2025 15:47

Tgt Ion: 91 Resp:15677494

Ion	Ratio	Lower	Upper
91	100		
106	39.6	24.4	36.6#

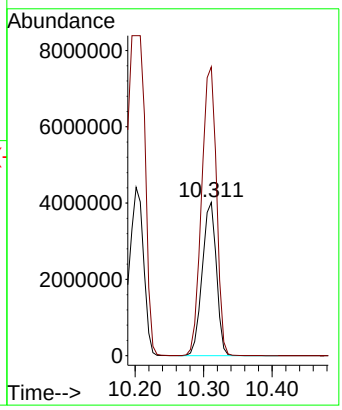




#68
m/p-Xylenes
Concen: 1104.240 ug/l
RT: 10.311 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX047444.D
Acq: 20 Aug 2025 15:47

Tgt Ion:106 Resp: 579891

Ion	Ratio	Lower	Upper
106	100		
91	197.7	164.7	247.1



Instrument :
MSVOA_X
ClientSampleId :
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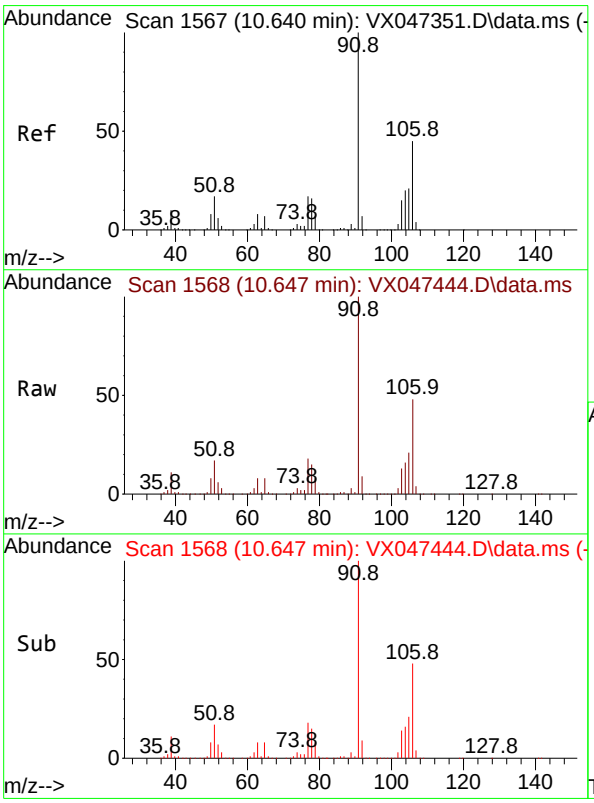
Manual Integrations
APPROVED

Reviewed By :John Carlone

08/21/2025
Supervised By :Mahesh Dadoda

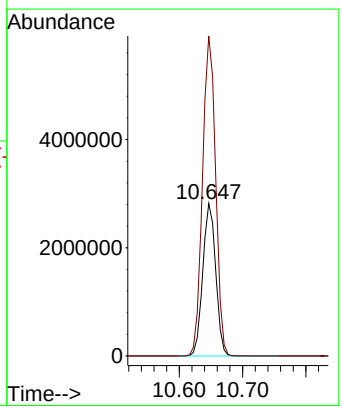
08/22/2025

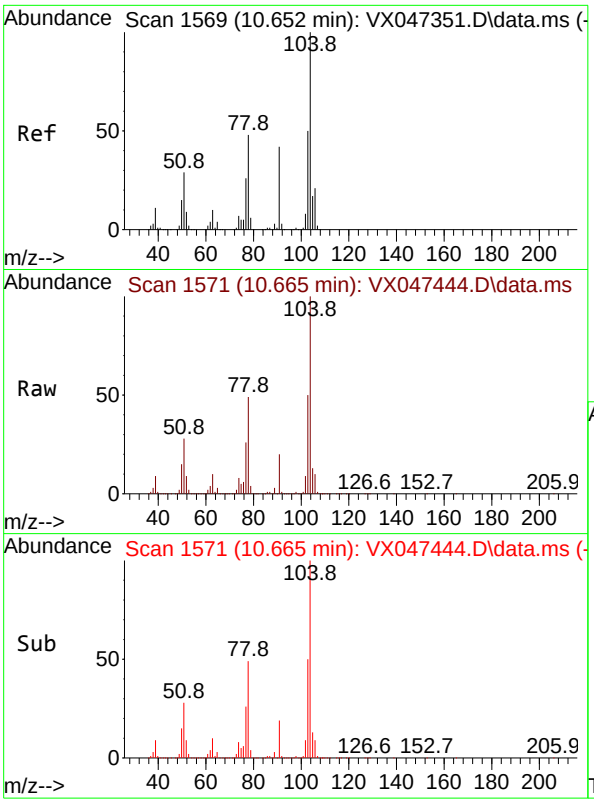


#69
o-Xylene
Concen: 792.368 ug/l
RT: 10.647 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX047444.D
Acq: 20 Aug 2025 15:47

Tgt Ion:106 Resp: 4004397

Ion	Ratio	Lower	Upper
106	100		
91	213.6	110.6	331.8

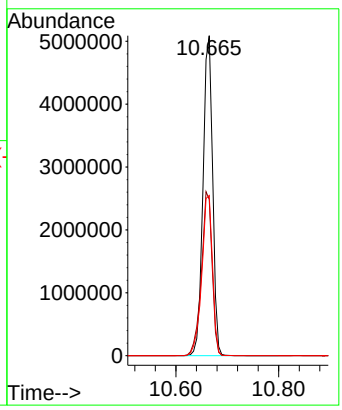




#70
Styrene
Concen: 772.418 ug/l
RT: 10.665 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX047444.D
Acq: 20 Aug 2025 15:47

Tgt Ion:104 Resp: 659573

Ion	Ratio	Lower	Upper
104	100		
78	56.9	41.8	62.8
103	55.9	43.6	65.4



Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825

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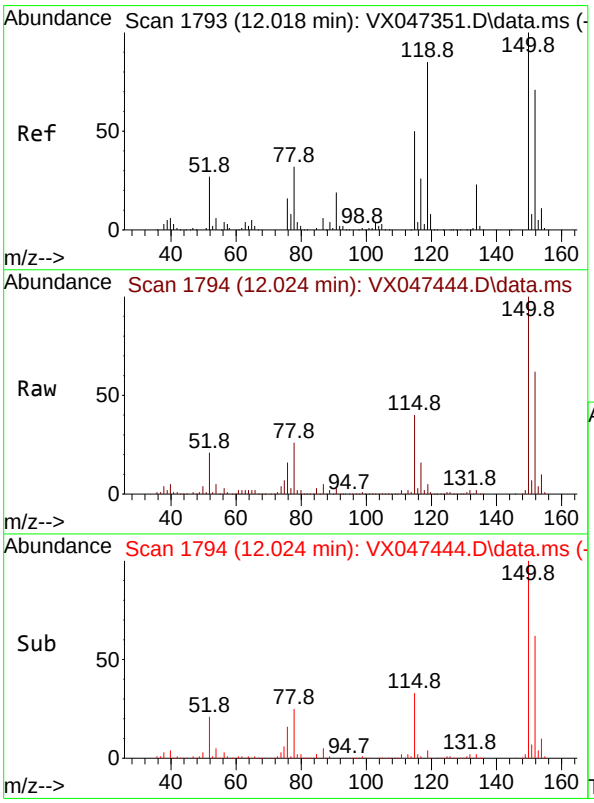
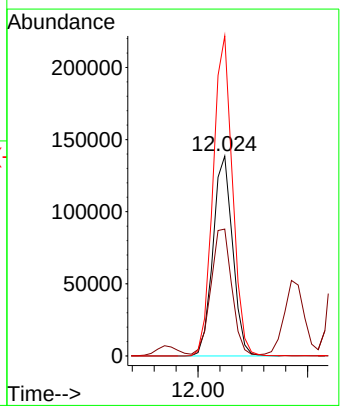
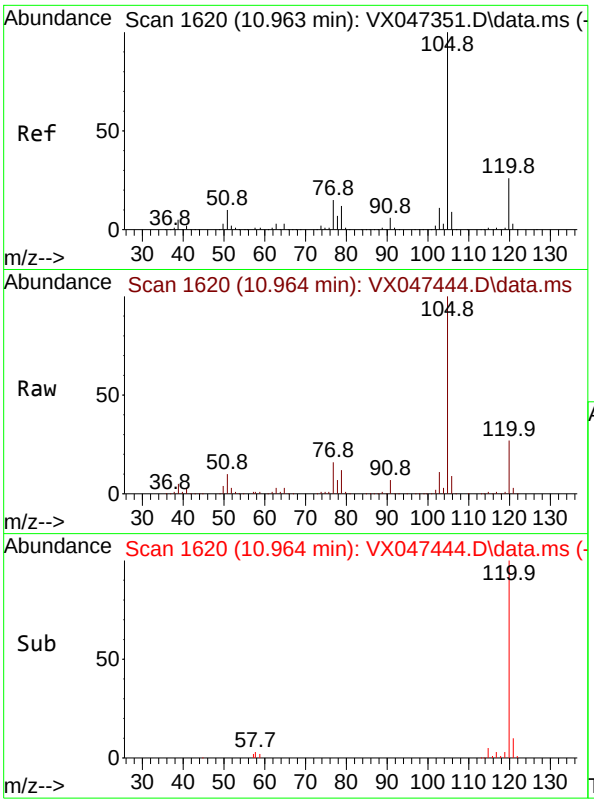


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX047444.D
Acq: 20 Aug 2025 15:47

Tgt Ion:152 Resp: 172936

Ion	Ratio	Lower	Upper
152	100		
115	65.9	44.6	133.8
150	158.1	0.0	349.8

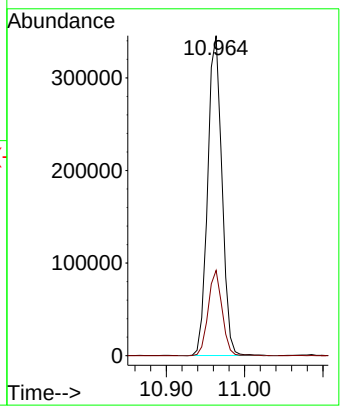




#73
Isopropylbenzene
Concen: 32.100 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047444.D
Acq: 20 Aug 2025 15:47

Tgt Ion:105 Resp: 43441

Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.9	38.6



Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825

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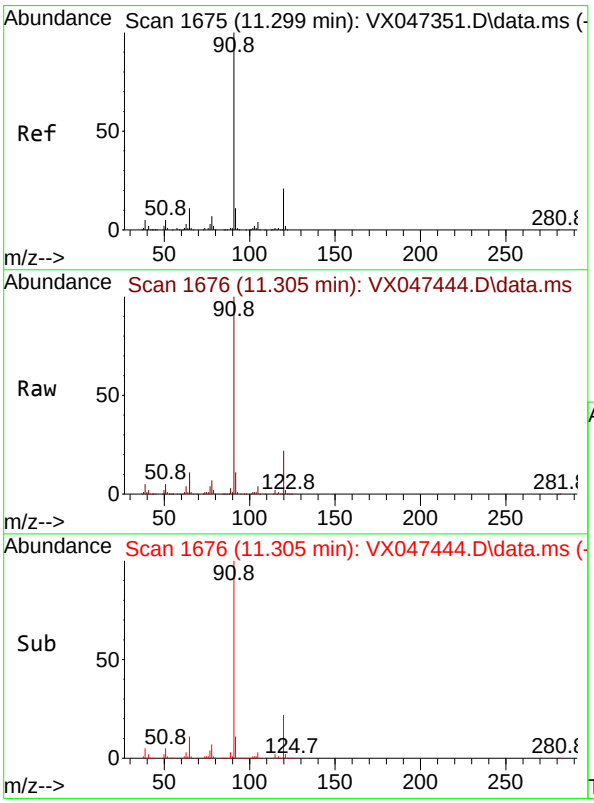
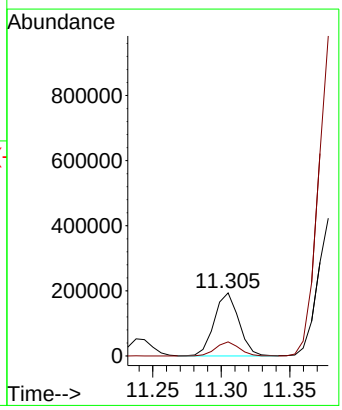
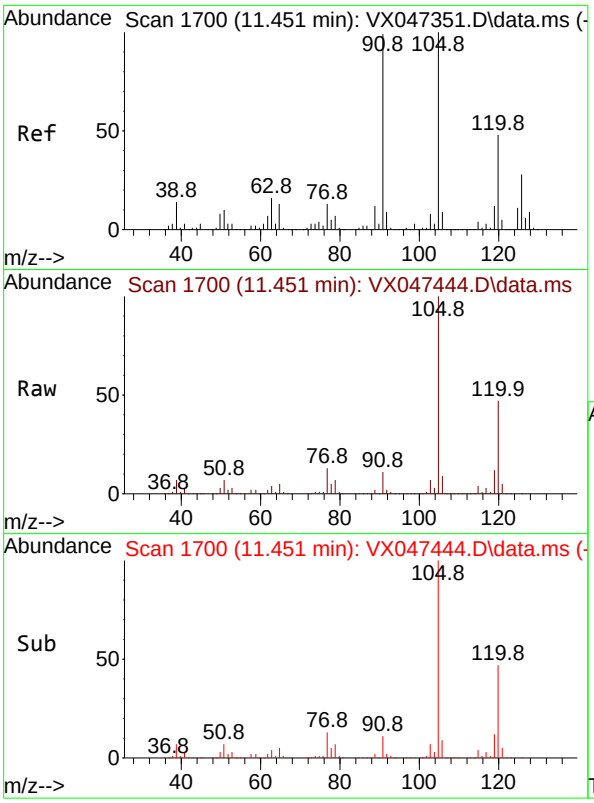


#78
n-propylbenzene
Concen: 14.992 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX047444.D
Acq: 20 Aug 2025 15:47

Tgt Ion: 91 Resp: 242307

Ion	Ratio	Lower	Upper
91	100		
120	0.0	11.0	33.0#

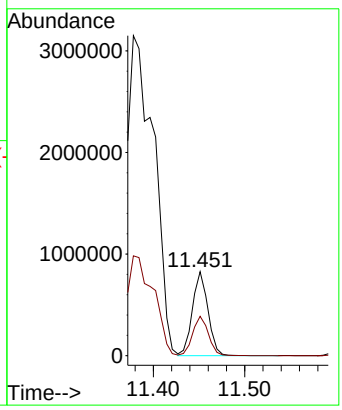




#80
1,3,5-Trimethylbenzene
Concen: 87.618 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047444.D
Acq: 20 Aug 2025 15:47

Tgt Ion:105 Resp: 97561

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.9	71.7



Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825

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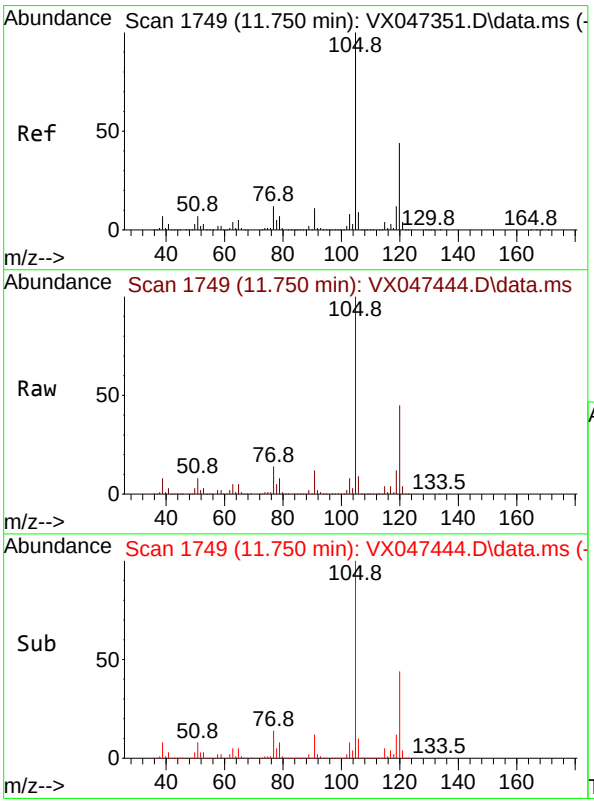
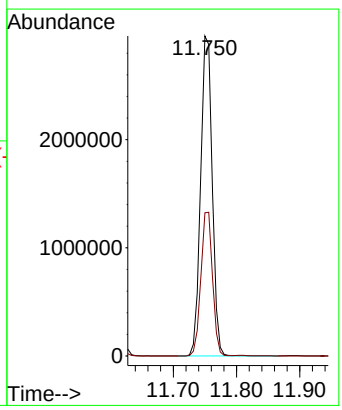
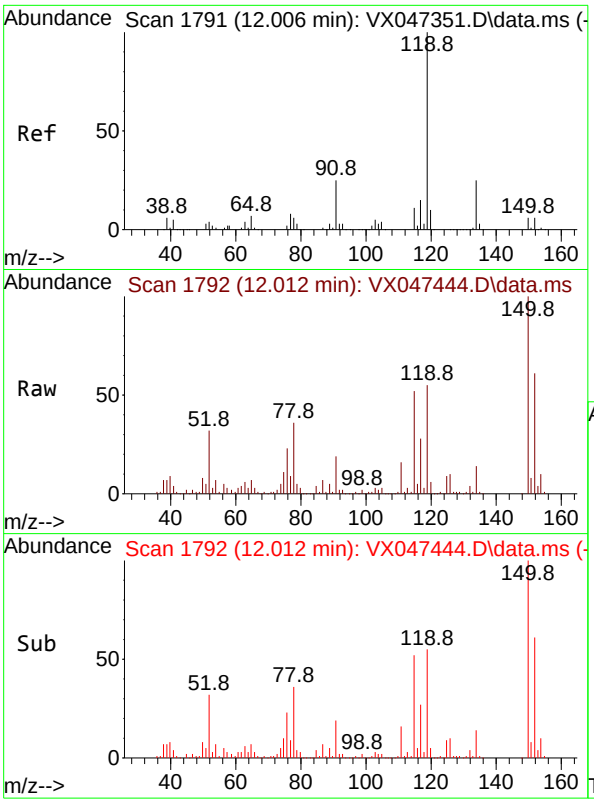


#84
1,2,4-Trimethylbenzene
Concen: 340.680 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047444.D
Acq: 20 Aug 2025 15:47

Tgt Ion:105 Resp: 3793504

Ion	Ratio	Lower	Upper
105	100		
120	45.0	21.9	65.7

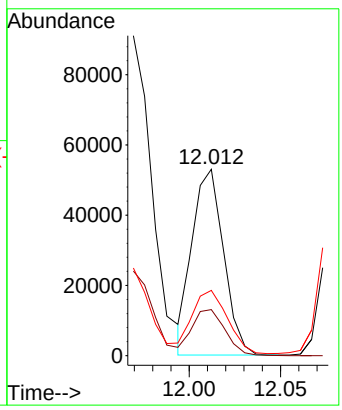




#86
p-Isopropyltoluene
Concen: 5.440 ug/l
RT: 12.012 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047444.D
Acq: 20 Aug 2025 15:47

Tgt Ion:119 Resp: 6338

Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.8	38.4
91	0.0	12.4	37.4#



Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825

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Supervised By :Mahesh Dadoda

08/22/2025

LSC Area Percent Report

Sample Results: **VX047444.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047444.D
Acq On : 20 Aug 2025 15:47
Operator : JC/MD
Sample : Q2900-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047444.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.270	24	30	44	rBV	608209	1627131	1.34%	0.250%
2	3.111	320	332	362	rBV	1823248	3980915	3.27%	0.611%
3	4.507	547	561	595	rBV	1622853	4877631	4.00%	0.748%
4	6.074	804	818	837	rVB2	25662632	83661819	68.64%	12.833%
5	7.135	978	992	1015	rBV	1830620	4153648	3.41%	0.637%
6	8.738	1246	1255	1261	rVB2	37763365	78743117	64.61%	12.078%
7	9.275	1335	1343	1355	rBV3	2502595	3659591	3.00%	0.561%
8	10.201	1488	1495	1501	rBV	31146704	45790229	37.57%	7.024%
9	10.311	1503	1513	1518	rBV	23922389	35198176	28.88%	5.399%
10	10.659	1563	1570	1587	rVB2	25114901	47227721	38.75%	7.244%
11	11.378	1683	1688	1690	rBV	8298363	11044253	9.06%	1.694%
12	11.451	1696	1700	1706	rVB	2335904	2738765	2.25%	0.420%
13	11.610	1721	1726	1728	rBV	1190625	1638099	1.34%	0.251%
14	11.634	1728	1730	1740	rVB	1339122	1402600	1.15%	0.215%
15	11.750	1741	1749	1754	rBV	8670278	11683461	9.59%	1.792%
16	11.805	1754	1758	1762	rVV	6569101	8031844	6.59%	1.232%
17	11.848	1762	1765	1770	rVB	1429148	1663865	1.37%	0.255%
18	12.018	1788	1793	1799	rVV2	950800	1391036	1.14%	0.213%
19	12.085	1799	1804	1808	rVV	3687065	4592636	3.77%	0.704%
20	12.134	1808	1812	1818	rVB	1419426	1773502	1.46%	0.272%
21	12.244	1824	1830	1840	rBV	17183705	22703413	18.63%	3.482%
22	12.433	1852	1861	1866	rBV2	46385335	90060263	73.89%	13.814%
23	12.750	1907	1913	1917	rVB	1097921	1446242	1.19%	0.222%
24	13.286	1993	2001	2005	rBV2	947940	1340233	1.10%	0.206%
25	13.341	2005	2010	2018	rVV	9493272	11360850	9.32%	1.743%
26	13.426	2018	2024	2030	rVV	11122060	14125646	11.59%	2.167%
27	13.500	2030	2036	2041	rVB	1016899	1310057	1.07%	0.201%
28	13.804	2075	2086	2091	rBV3	48805348	121877140	100.00%	18.695%
29	13.878	2091	2098	2103	rVB	5427027	6536792	5.36%	1.003%
30	14.640	2218	2223	2231	rVB	11717364	15124943	12.41%	2.320%
31	14.780	2241	2246	2258	rVB	8784047	11172538	9.17%	1.714%

Sum of corrected areas: 651938156

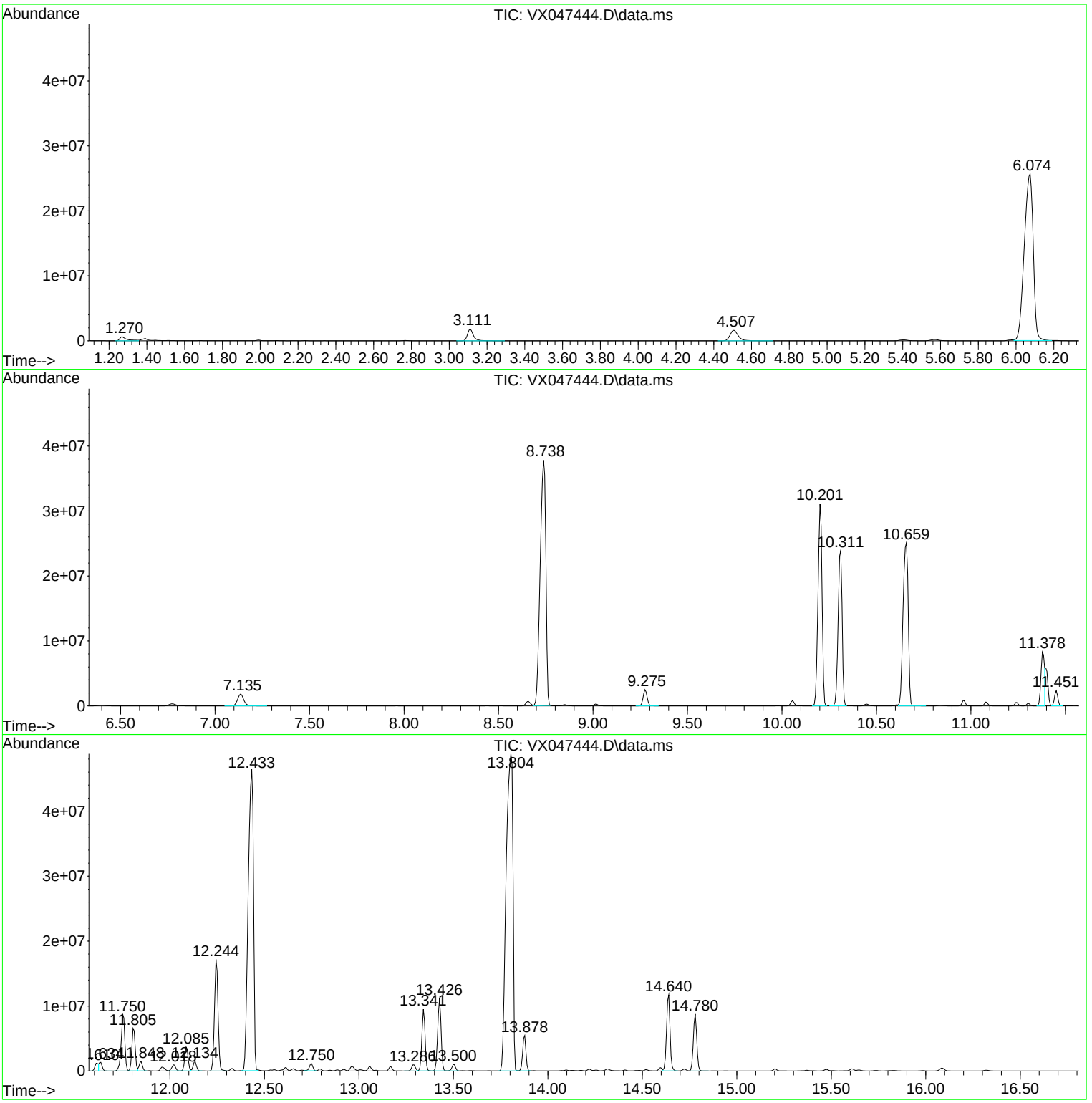
Sample Results: **VX047444.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047444.D
Acq On : 20 Aug 2025 15:47
Operator : JC/MD
Sample : Q2900-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047444.D
Acq On : 20 Aug 2025 15:47
Operator : JC/MD
Sample : Q2900-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825

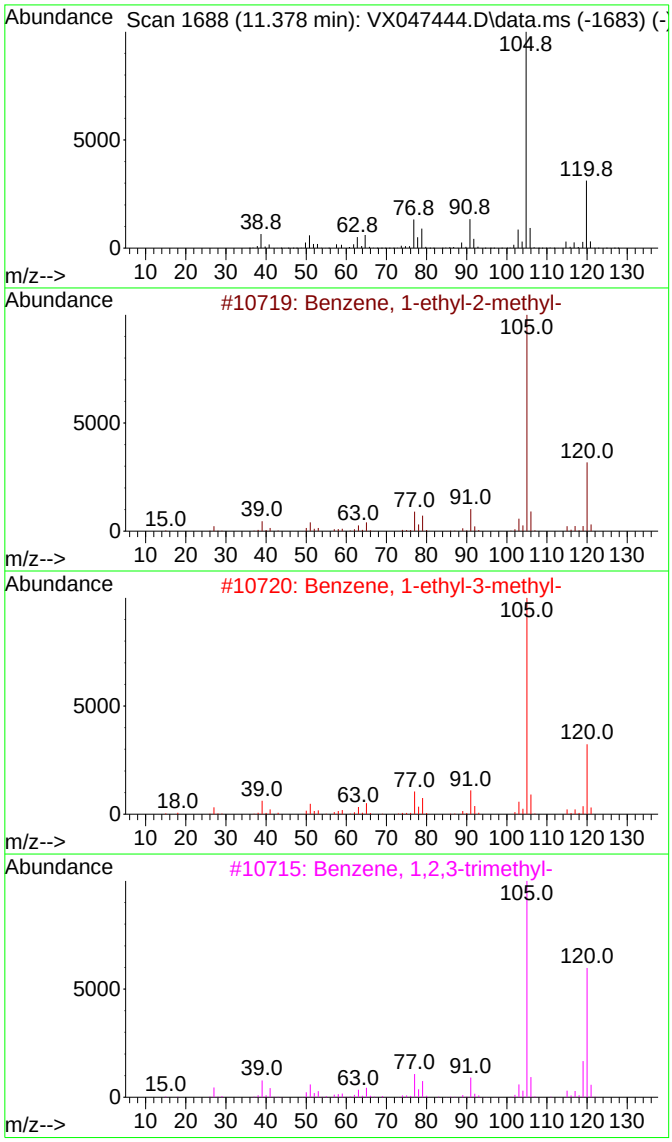
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

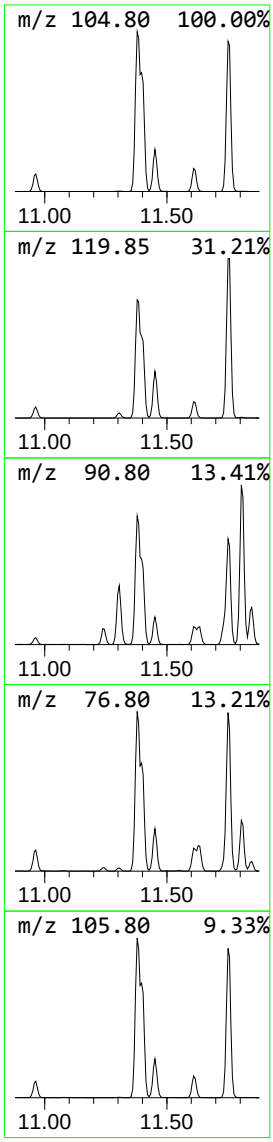
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.378	396.98 ug/l	11044300	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047444.D
Acq On : 20 Aug 2025 15:47
Operator : JC/MD
Sample : Q2900-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825

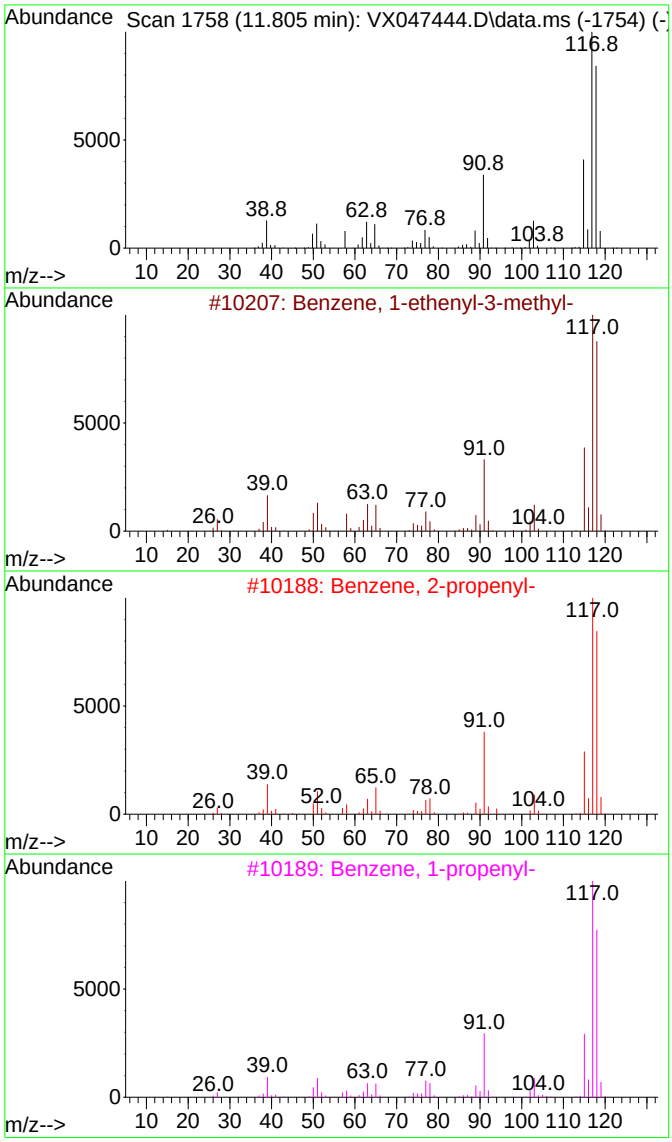
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

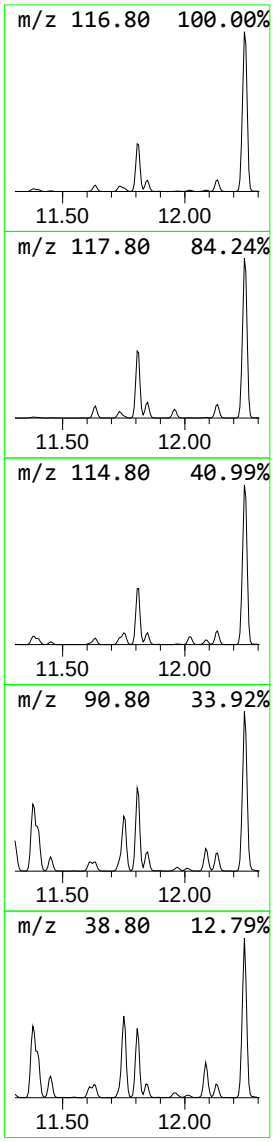
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 1-ethenyl-3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.805	288.70 ug/l	8031840	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	95
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	94
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
5	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047444.D
Acq On : 20 Aug 2025 15:47
Operator : JC/MD
Sample : Q2900-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

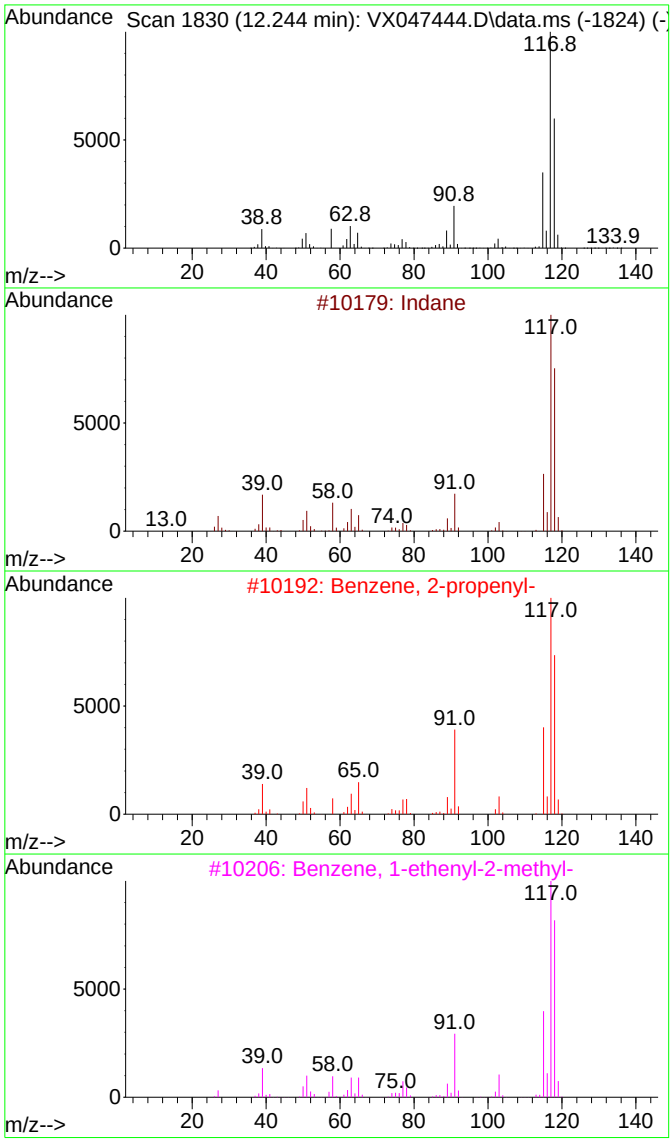
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

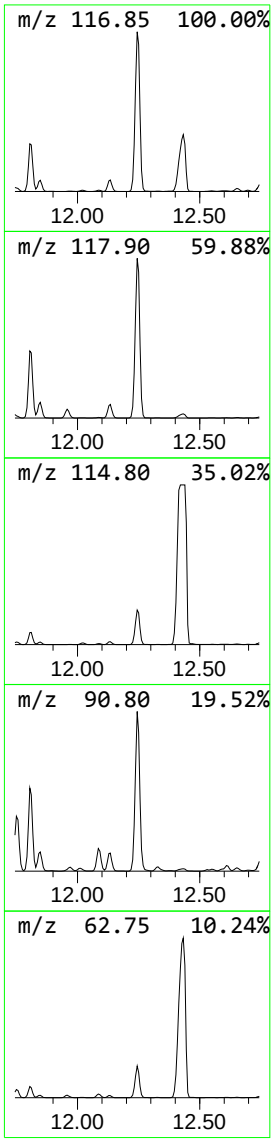
****

Peak Number 3 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.244	816.06 ug/l	22703400	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	74
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	68
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047444.D
Acq On : 20 Aug 2025 15:47
Operator : JC/MD
Sample : Q2900-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

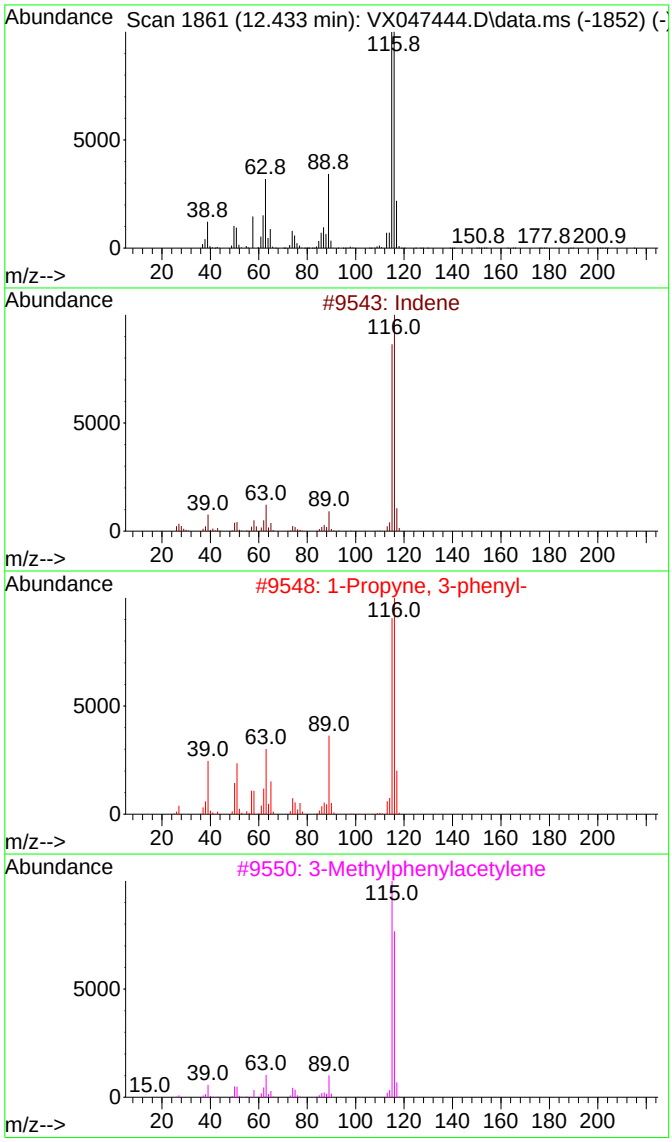
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

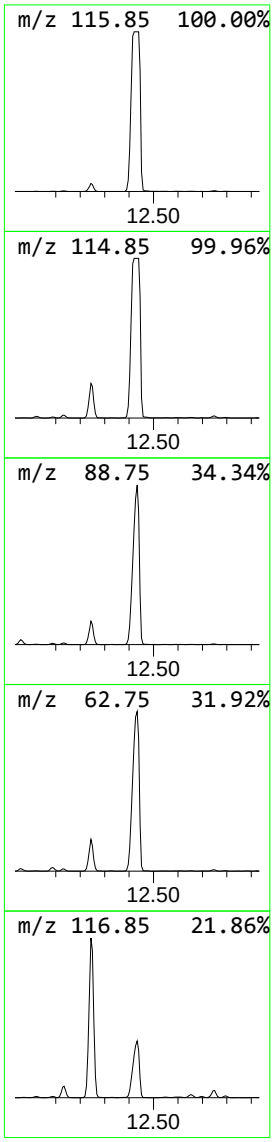
****

Peak Number 4 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.433	3237.17 ug/l	90060300	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	94
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	90
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	64
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047444.D
Acq On : 20 Aug 2025 15:47
Operator : JC/MD
Sample : Q2900-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

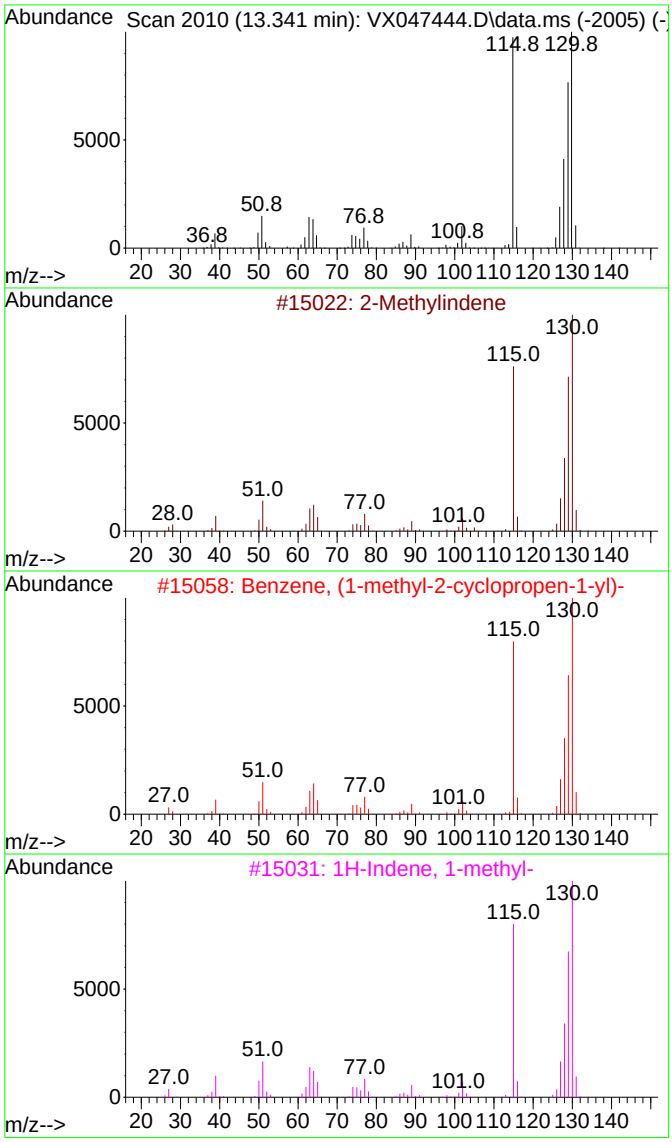
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

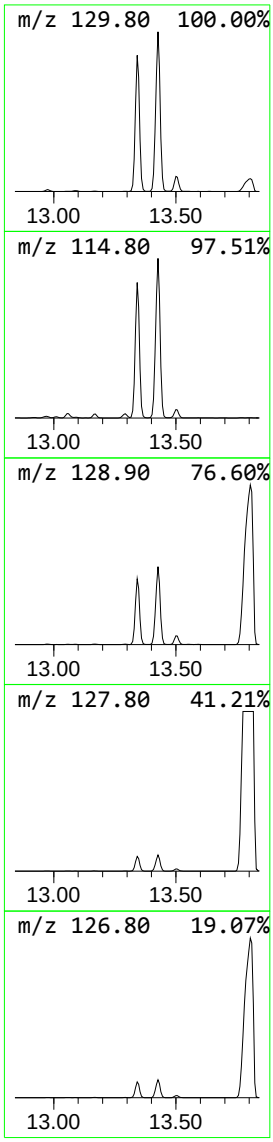
****

Peak Number 5 2-Methylindene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.341	408.36 ug/l	11360900	1,4-Dichlorobenzene-d4	12.024

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	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	95
5	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047444.D
Acq On : 20 Aug 2025 15:47
Operator : JC/MD
Sample : Q2900-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825

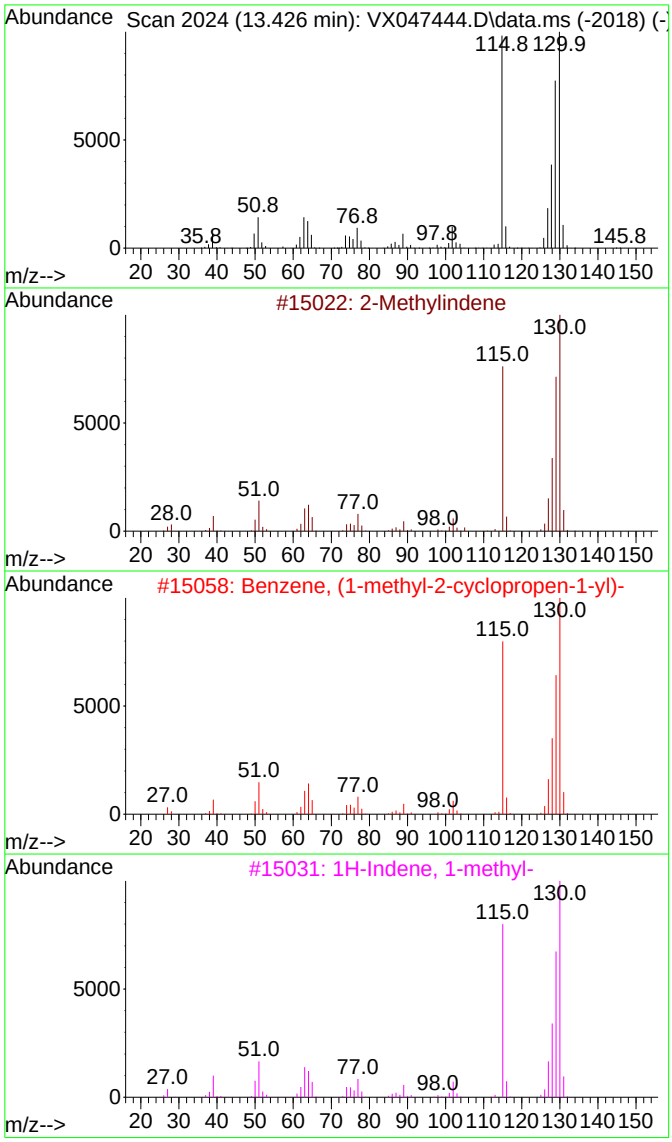
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

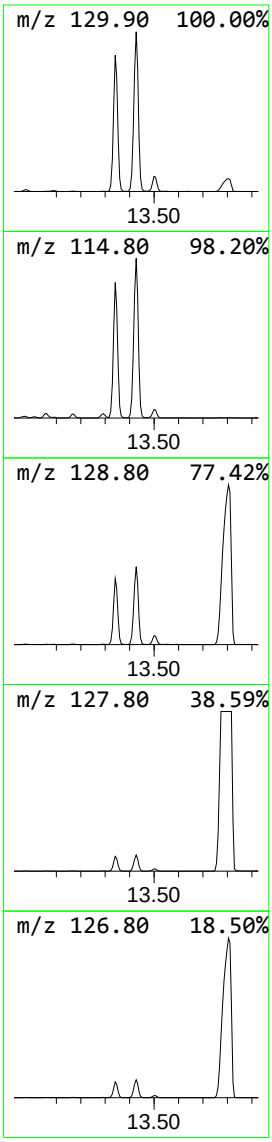
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, (1-methyl-2-cyclop... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.427	507.74 ug/l	14125600	1,4-Dichlorobenzene-d4	12.024

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	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	96
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047444.D
Acq On : 20 Aug 2025 15:47
Operator : JC/MD
Sample : Q2900-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

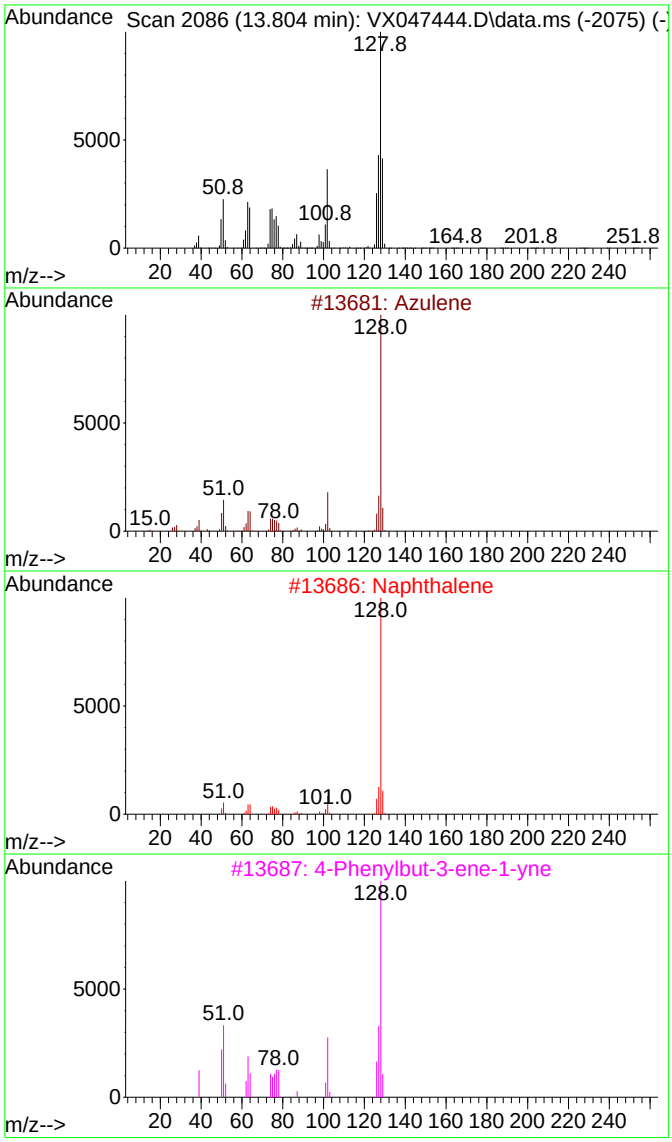
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

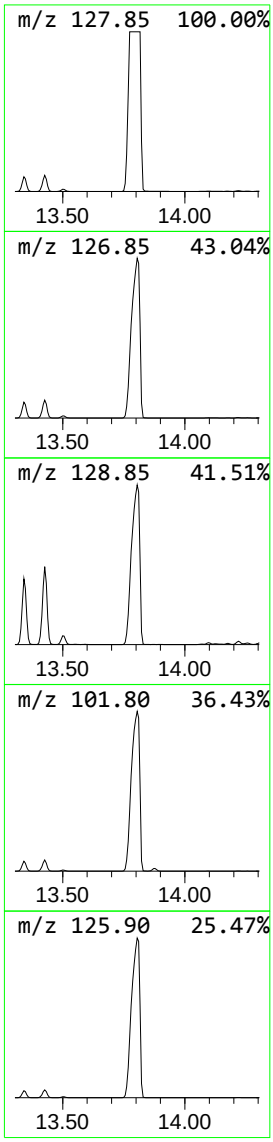
****

Peak Number 7 Azulene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.805	4380.80 ug/l	121877000	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene	128	C10H8	000275-51-4	93
2	Naphthalene	128	C10H8	000091-20-3	93
3	4-Phenylbut-3-ene-1-yne	128	C10H8	1000222-12-0	81
4	[4.2.2]Propella-2,4,7,9-tetraene	128	C10H8	088090-34-0	43
5	4a,8a-(Methaniminomethano)naphth...	275	C18H13NO2	069915-10-2	37





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047444.D
Acq On : 20 Aug 2025 15:47
Operator : JC/MD
Sample : Q2900-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

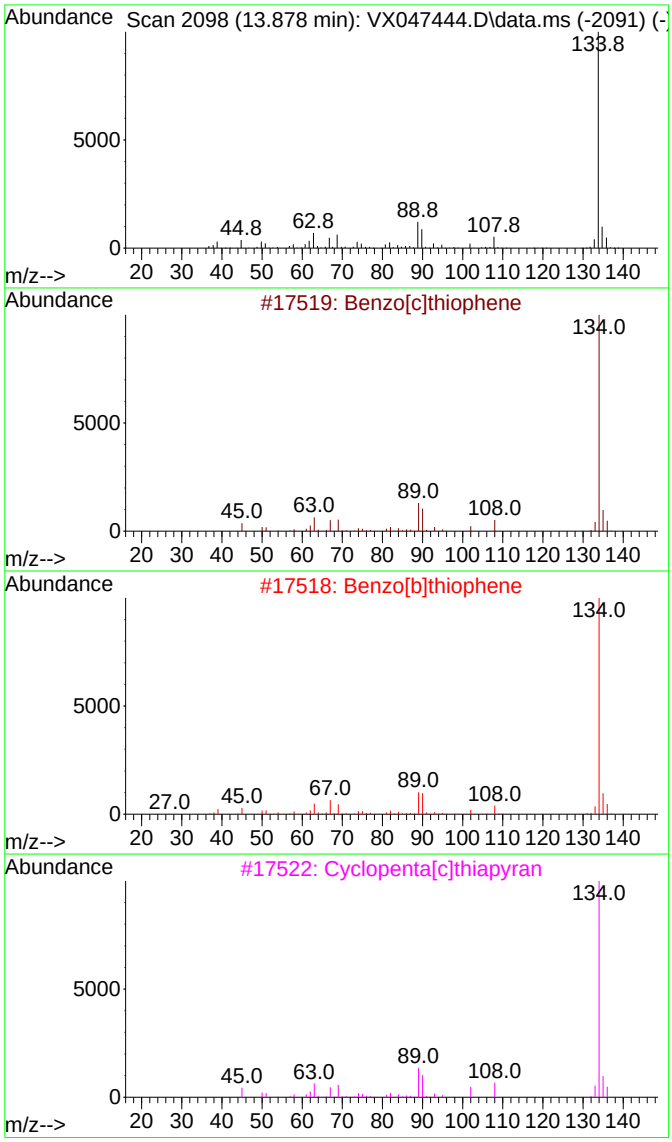
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

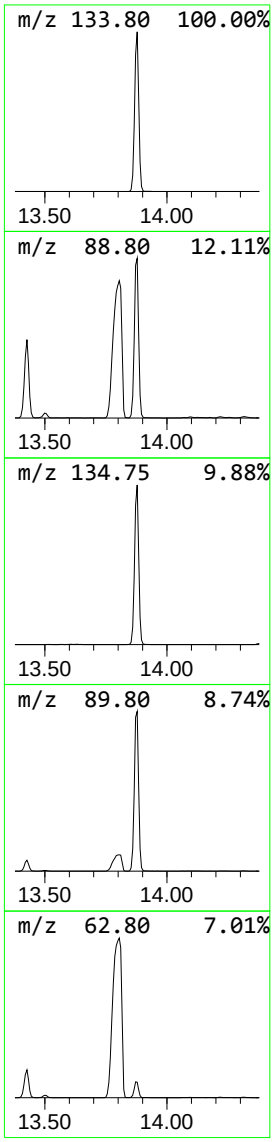
****

Peak Number 8 Benzo[c]thiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.878	234.96 ug/l	6536790	1,4-Dichlorobenzene-d4	12.024

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	94
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
4	[1]Benzothieno[2',3':3,4]cyclobu...	246	C13H10O3S	034002-19-2	56
5	Thiazolidin-4-one, 5-benzylideno...	287	C13H9N3OS2	351062-07-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047444.D
Acq On : 20 Aug 2025 15:47
Operator : JC/MD
Sample : Q2900-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825

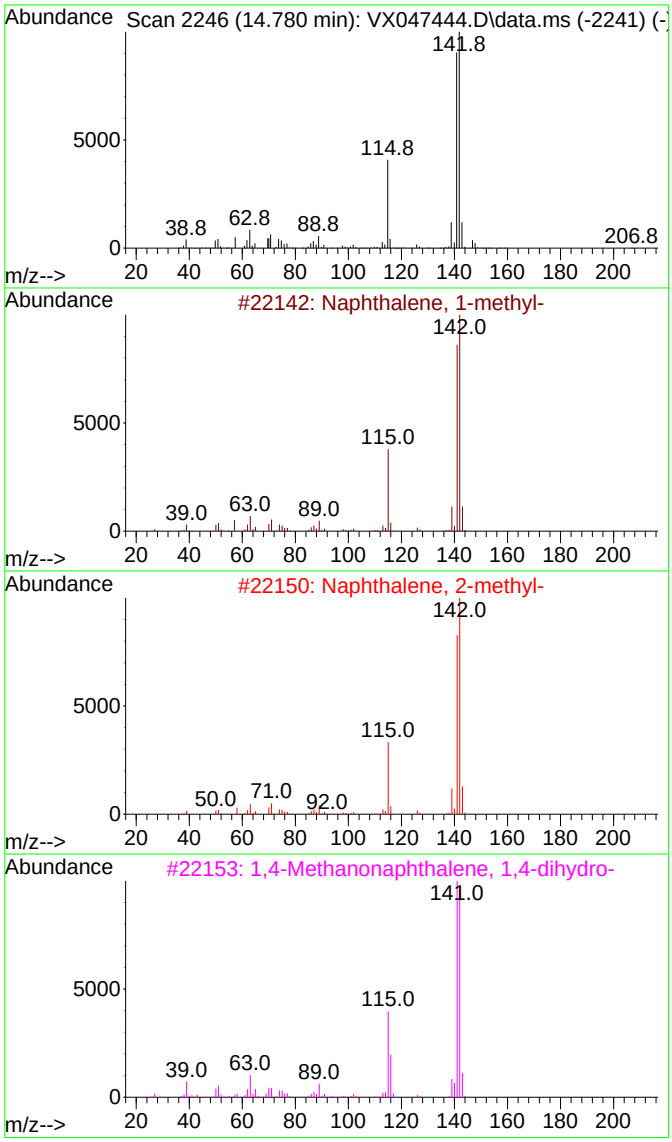
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

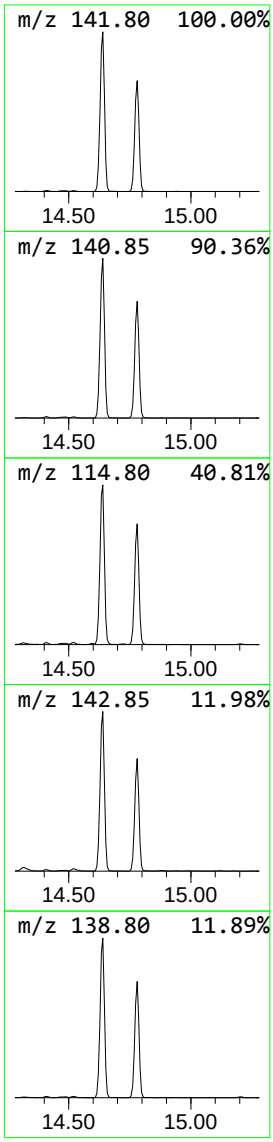
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.780	401.59 ug/l	11172500	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047444.D
Acq On : 20 Aug 2025 15:47
Operator : JC/MD
Sample : Q2900-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.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-ethy...	11.378	397.0	ug/l	11044300	4	12.024	1391040	50.0
Benzene, 1-ethe...	11.805	288.7	ug/l	8031840	4	12.024	1391040	50.0
Indane	12.244	816.1	ug/l	22703400	4	12.024	1391040	50.0
Indene	12.433	3237.2	ug/l	90060300	4	12.024	1391040	50.0
2-Methylindene	13.341	408.4	ug/l	11360900	4	12.024	1391040	50.0
Benzene, (1-met...	13.427	507.7	ug/l	14125600	4	12.024	1391040	50.0
Azulene	13.805	4380.8	ug/l	121877000	4	12.024	1391040	50.0
Benzo[c]thiophene	13.878	235.0	ug/l	6536790	4	12.024	1391040	50.0
Naphthalene, 1-...	14.780	401.6	ug/l	11172500	4	12.024	1391040	50.0

Raw Data: **VX047463.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:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	MN-12C-081825DL	SDG No.:	Q2900
Lab Sample ID:	Q2900-02DL	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
VX047463.D	50	08/21/25 12:43	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	250	UD	11.0	250	ug/L
74-87-3	Chloromethane	250	UD	16.0	250	ug/L
75-01-4	Vinyl Chloride	67.0	JD	13.0	250	ug/L
74-83-9	Bromomethane	250	UD	72.0	250	ug/L
75-00-3	Chloroethane	250	UD	23.5	250	ug/L
75-69-4	Trichlorofluoromethane	250	UD	16.5	250	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	250	UD	12.5	250	ug/L
75-35-4	1,1-Dichloroethene	250	UD	11.5	250	ug/L
67-64-1	Acetone	1300	UD	75.5	1300	ug/L
75-15-0	Carbon Disulfide	250	UD	10.5	250	ug/L
1634-04-4	Methyl tert-butyl Ether	250	UD	8.00	250	ug/L
79-20-9	Methyl Acetate	250	UD	13.5	250	ug/L
75-09-2	Methylene Chloride	250	UD	14.0	250	ug/L
156-60-5	trans-1,2-Dichloroethene	280	D	11.5	250	ug/L
75-34-3	1,1-Dichloroethane	250	UD	11.5	250	ug/L
110-82-7	Cyclohexane	250	UD	72.5	250	ug/L
78-93-3	2-Butanone	1300	UD	49.0	1300	ug/L
56-23-5	Carbon Tetrachloride	250	UD	12.5	250	ug/L
156-59-2	cis-1,2-Dichloroethene	320	D	9.50	250	ug/L
74-97-5	Bromochloromethane	250	UD	11.0	250	ug/L
67-66-3	Chloroform	250	UD	12.5	250	ug/L
71-55-6	1,1,1-Trichloroethane	250	UD	10.0	250	ug/L
108-87-2	Methylcyclohexane	250	UD	8.00	250	ug/L
71-43-2	Benzene	4000	D	7.50	250	ug/L
107-06-2	1,2-Dichloroethane	250	UD	11.0	250	ug/L
79-01-6	Trichloroethene	260	D	4.70	250	ug/L
78-87-5	1,2-Dichloropropane	250	UD	10.0	250	ug/L
75-27-4	Bromodichloromethane	250	UD	11.0	250	ug/L
108-10-1	4-Methyl-2-Pentanone	1300	UD	34.0	1300	ug/L
108-88-3	Toluene	4000	D	7.00	250	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	MN-12C-081825DL	SDG No.:	Q2900
Lab Sample ID:	Q2900-02DL	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
VX047463.D	50	08/21/25 12:43	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	250	UD	8.50	250	ug/L
10061-01-5	cis-1,3-Dichloropropene	250	UD	8.00	250	ug/L
79-00-5	1,1,2-Trichloroethane	250	UD	10.5	250	ug/L
591-78-6	2-Hexanone	1300	UD	44.5	1300	ug/L
124-48-1	Dibromochloromethane	250	UD	9.00	250	ug/L
106-93-4	1,2-Dibromoethane	250	UD	7.50	250	ug/L
127-18-4	Tetrachloroethene	180	JD	11.5	250	ug/L
108-90-7	Chlorobenzene	250	UD	6.00	250	ug/L
100-41-4	Ethyl Benzene	1800	D	6.50	250	ug/L
179601-23-1	m/p-Xylenes	1400	D	12.0	500	ug/L
95-47-6	o-Xylene	930	D	6.00	250	ug/L
100-42-5	Styrene	930	D	7.50	250	ug/L
75-25-2	Bromoform	250	UD	9.50	250	ug/L
98-82-8	Isopropylbenzene	35.2	JD	6.00	250	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	250	UD	13.0	250	ug/L
541-73-1	1,3-Dichlorobenzene	250	UD	8.00	250	ug/L
106-46-7	1,4-Dichlorobenzene	250	UD	9.50	250	ug/L
95-50-1	1,2-Dichlorobenzene	250	UD	8.00	250	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	250	UD	26.5	250	ug/L
120-82-1	1,2,4-Trichlorobenzene	250	UD	10.0	250	ug/L
87-61-6	1,2,3-Trichlorobenzene	250	UD	10.0	250	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.6		74 - 125	117%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	49.8		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.7		77 - 121	115%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	227000	5.562			
540-36-3	1,4-Difluorobenzene	461000	6.769			
3114-55-4	Chlorobenzene-d5	464000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	241000	12.018			

Raw Data: **VX047463.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:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	MN-12C-081825DL	SDG No.:	Q2900
Lab Sample ID:	Q2900-02DL	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
VX047463.D	50	08/21/25 12:43	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047463.D
Acq On : 21 Aug 2025 12:43
Operator : JC/MD
Sample : Q2900-02DL 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825DL

Quant Time: Aug 22 03:43:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

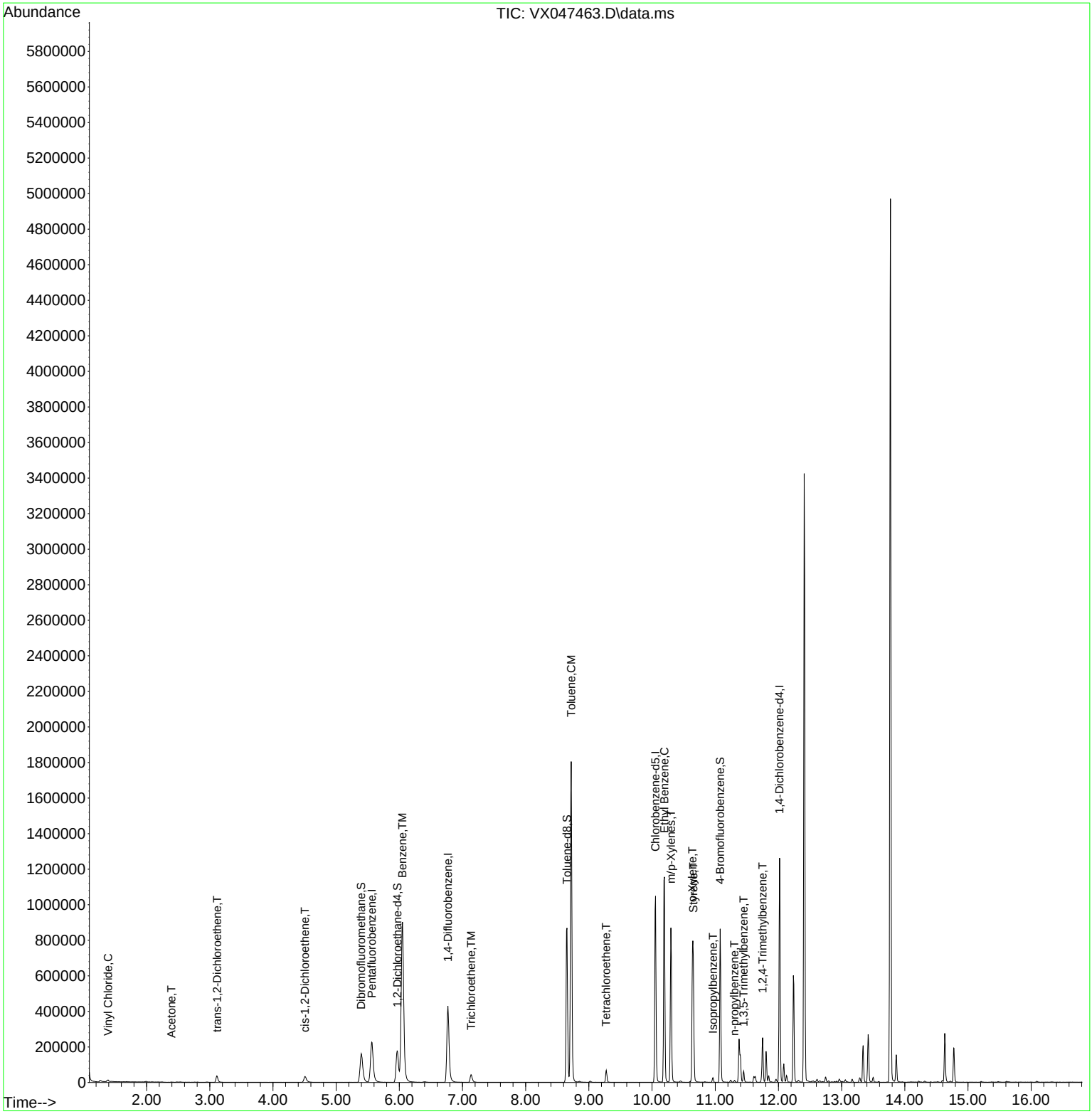
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	227403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	460617	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	463667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	240978	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	186347	58.552	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 117.100%#			
35) Dibromofluoromethane	5.397	113	153546	51.363	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.720%			
50) Toluene-d8	8.653	98	532387	49.825	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.660%			
62) 4-Bromofluorobenzene	11.079	95	227626	57.729	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 115.460%			
Target Compounds						Qvalue
4) Vinyl Chloride	1.392	62	4385	1.340	ug/l	91
16) Acetone	2.392	43	1707	1.427	ug/l #	78
21) trans-1,2-Dichloroethene	3.117	96	17114	5.632	ug/l	93
27) cis-1,2-Dichloroethene	4.507	96	22713	6.417	ug/l	89
40) Benzene	6.050	78	1142687	80.898	ug/l	100
44) Trichloroethene	7.135	130	18503	5.116	ug/l	91
52) Toluene	8.720	92	702021	80.431	ug/l	100
64) Tetrachloroethene	9.275	164	12376	3.690	ug/l	88
67) Ethyl Benzene	10.195	91	689608	36.363	ug/l	99
68) m/p-Xylenes	10.299	106	199207	28.171	ug/l	99
69) o-Xylene	10.640	106	126417	18.577	ug/l	98
70) Styrene	10.653	104	212952	18.520	ug/l	100
73) Isopropylbenzene	10.963	105	13255	0.703	ug/l	100
78) n-propylbenzene	11.305	91	6968	0.309	ug/l #	54
80) 1,3,5-Trimethylbenzene	11.451	105	28722	1.851	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	106925	6.891	ug/l	98

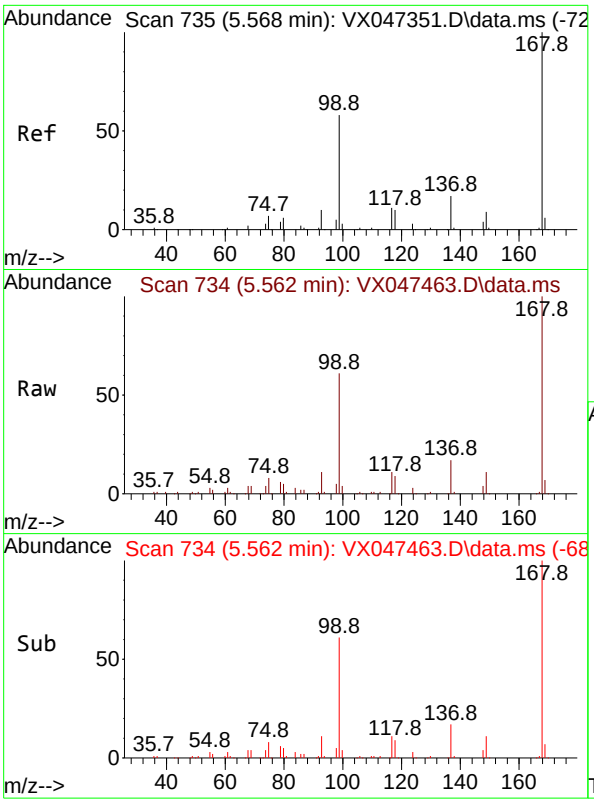
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047463.D
Acq On : 21 Aug 2025 12:43
Operator : JC/MD
Sample : Q2900-02DL 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825DL

Quant Time: Aug 22 03:43:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



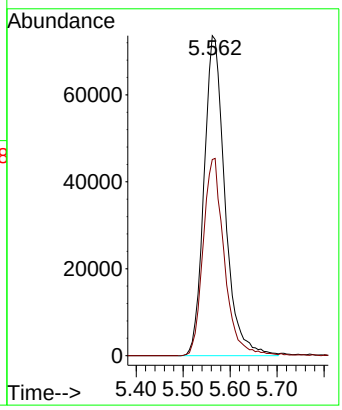


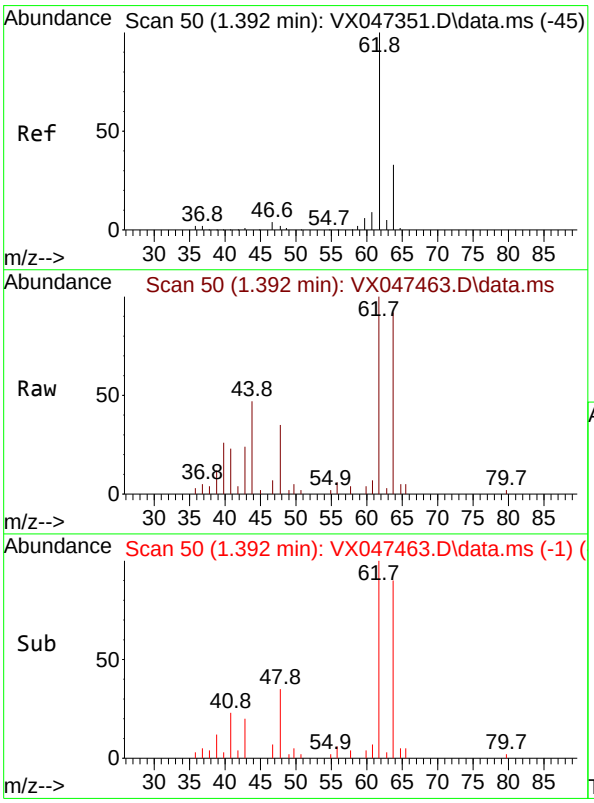
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825DL

Tgt Ion:168 Resp: 227403

Ion	Ratio	Lower	Upper
168	100		
99	61.3	47.9	71.9

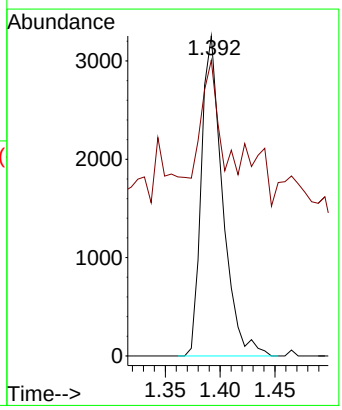


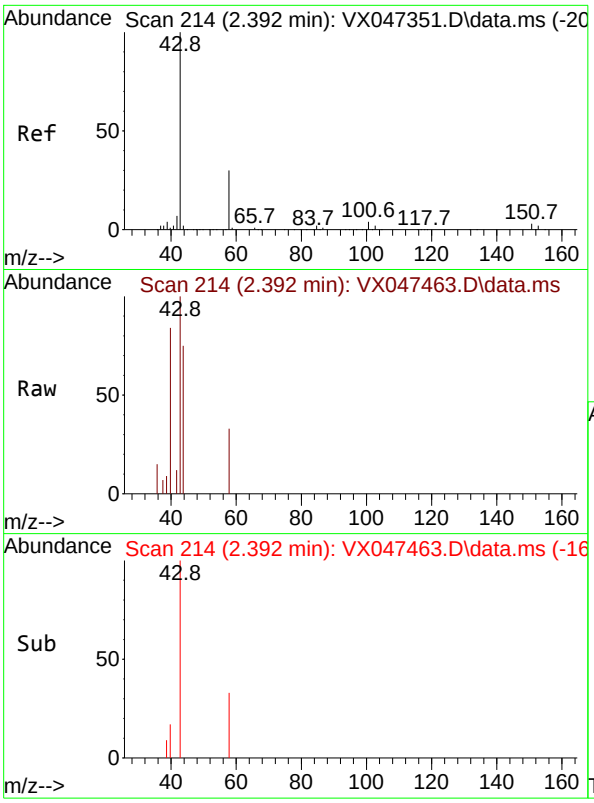


#4
Vinyl Chloride
Concen: 1.340 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

Tgt Ion: 62 Resp: 4385

Ion	Ratio	Lower	Upper
62	100		
64	38.2	26.5	39.7



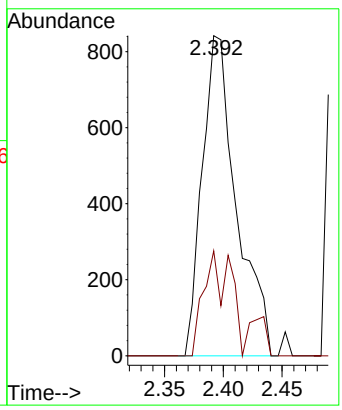


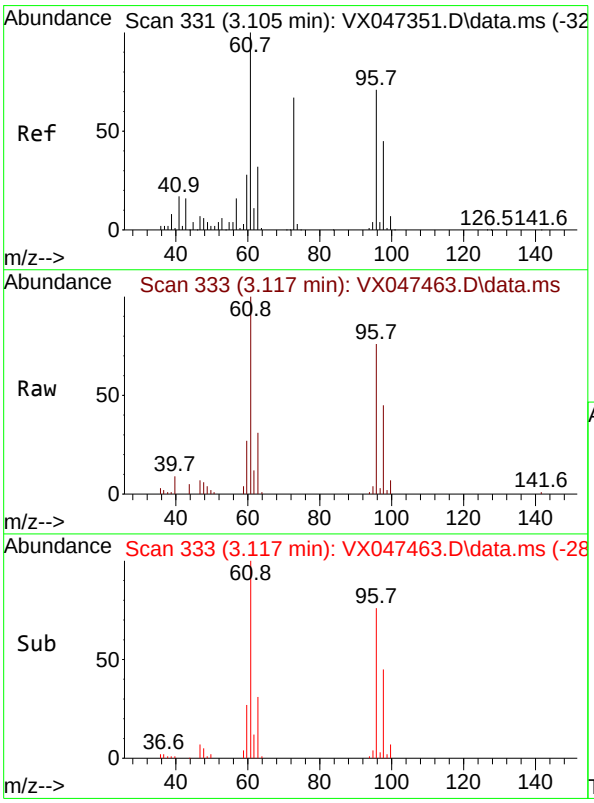
#16
Acetone
Concen: 1.427 ug/l
RT: 2.392 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825DL

Tgt Ion: 43 Resp: 1707

Ion	Ratio	Lower	Upper
43	100		
58	18.8	24.8	37.2#

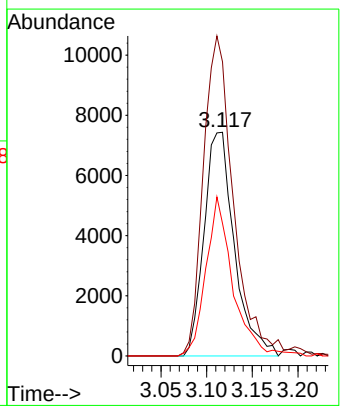


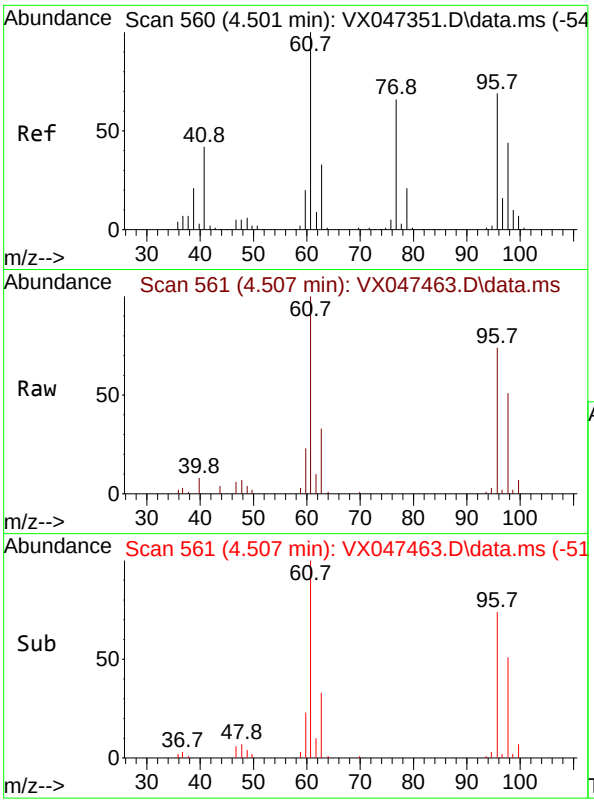


#21
trans-1,2-Dichloroethene
Concen: 5.632 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.012 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

Tgt Ion: 96 Resp: 17114

Ion	Ratio	Lower	Upper
96	100		
61	131.5	112.6	169.0
98	59.3	50.9	76.3



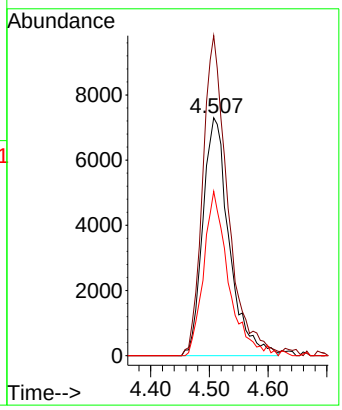


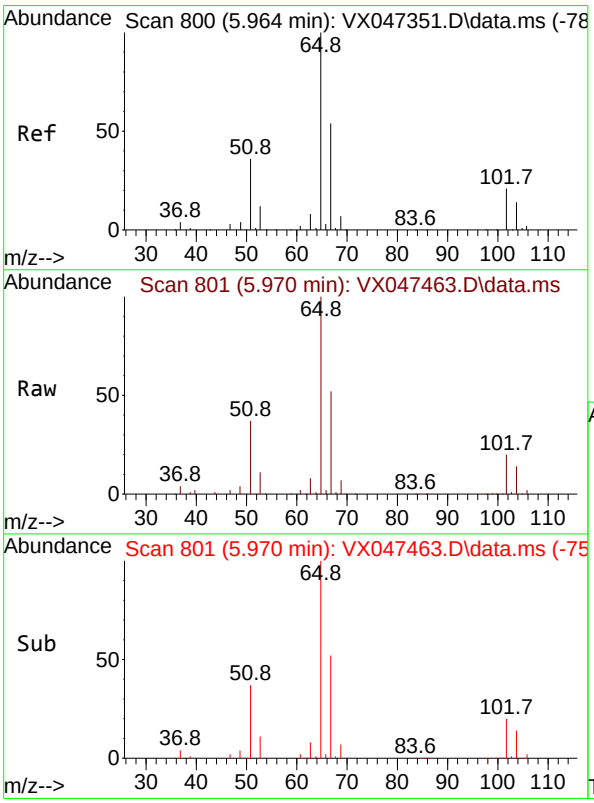
#27
cis-1,2-Dichloroethene
Concen: 6.417 ug/l
RT: 4.507 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825DL

Tgt Ion: 96 Resp: 22713

Ion	Ratio	Lower	Upper
96	100		
61	128.6	0.0	296.6
98	65.2	0.0	130.4

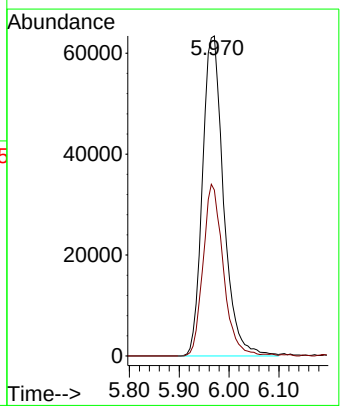


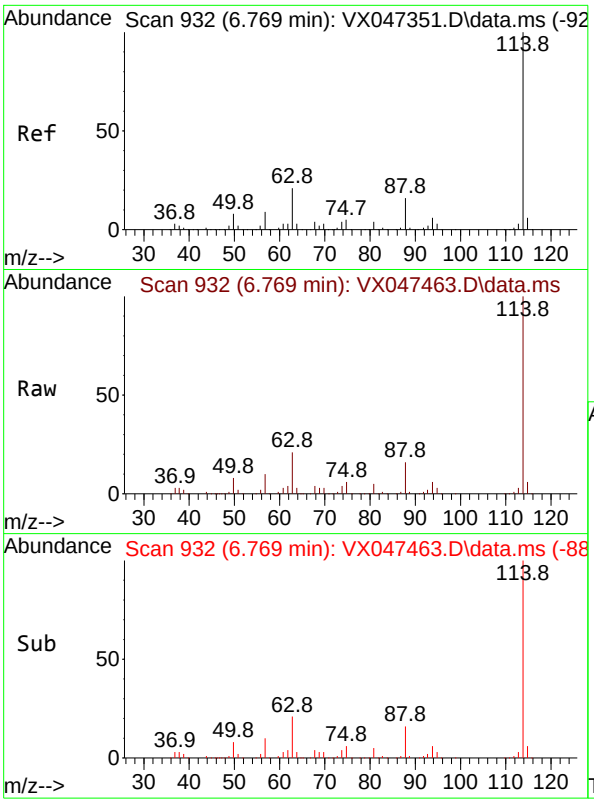


#33
1,2-Dichloroethane-d4
Concen: 58.552 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

Tgt Ion: 65 Resp: 186347

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	106.0



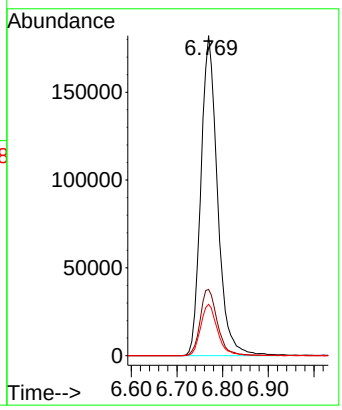


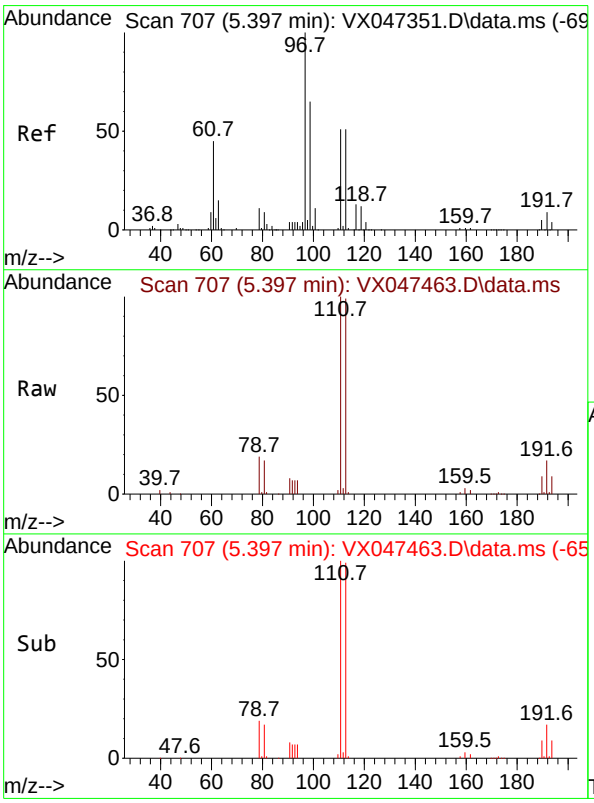
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825DL

Tgt Ion:114 Resp: 460617

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	42.4
88	16.0	0.0	33.0

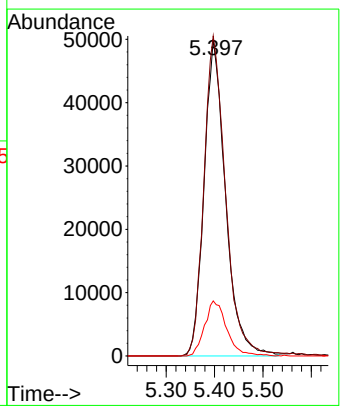


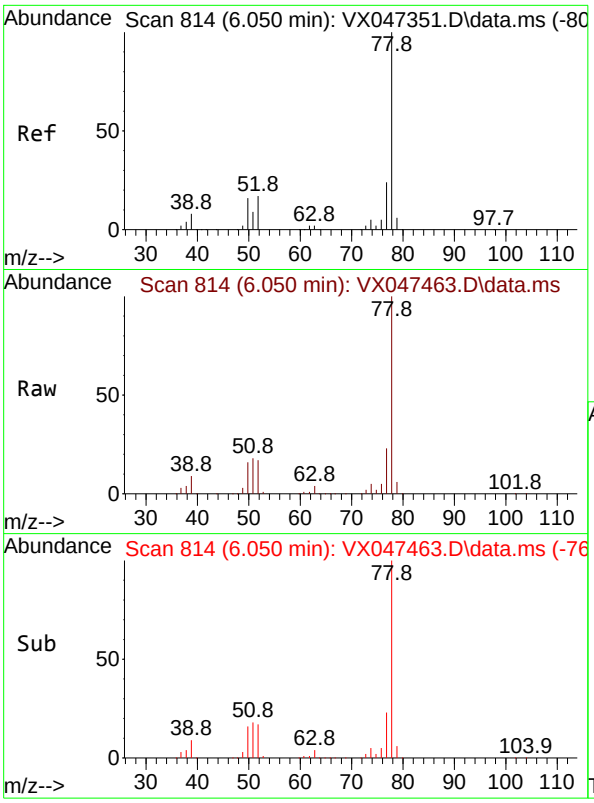


#35
Dibromofluoromethane
Concen: 51.363 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

Tgt Ion:113 Resp: 153546

Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.4	122.2
192	18.0	14.1	21.1



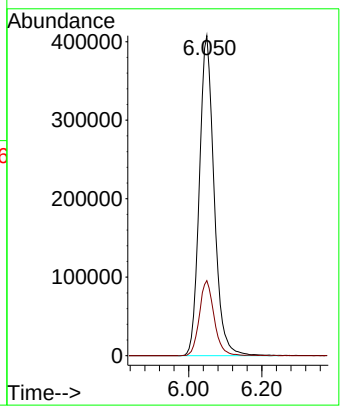


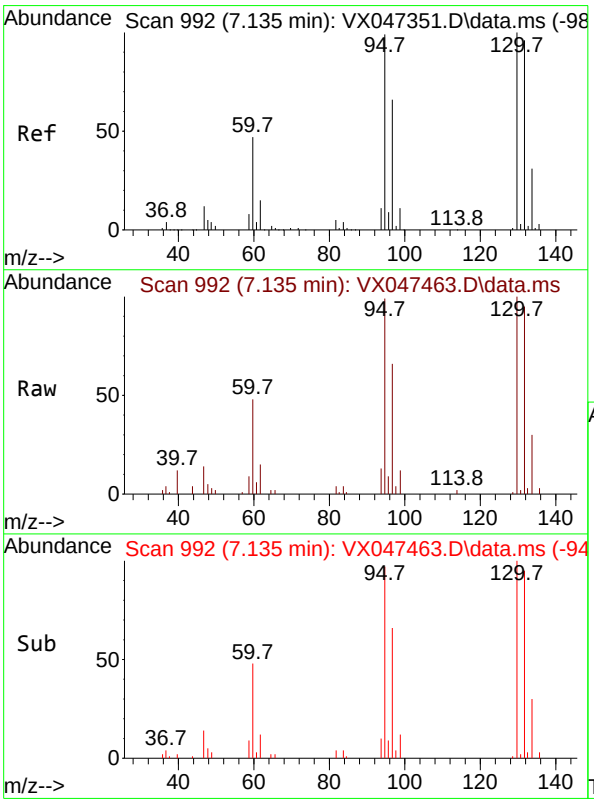
#40
Benzene
Concen: 80.898 ug/l
RT: 6.050 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825DL

Tgt Ion: 78 Resp: 1142687

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4

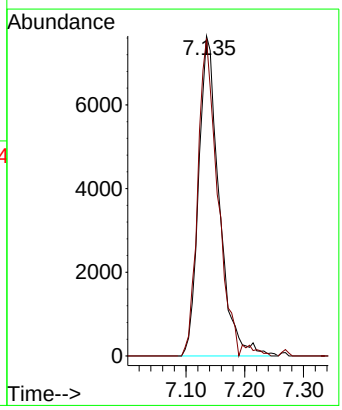


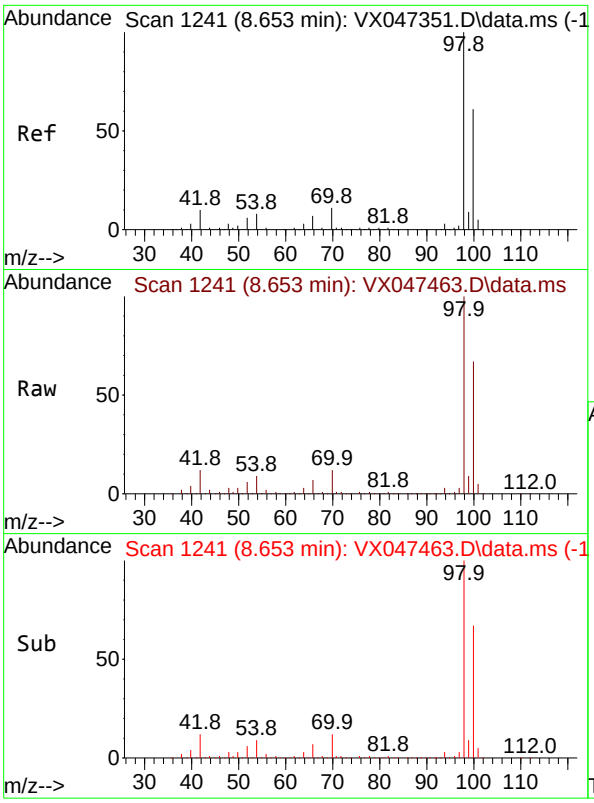


#44
Trichloroethene
Concen: 5.116 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

Tgt Ion:130 Resp: 18503

Ion	Ratio	Lower	Upper
130	100		
95	108.2	0.0	198.6



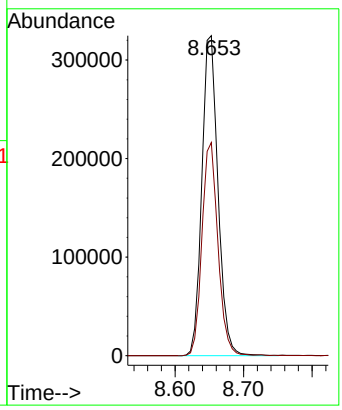


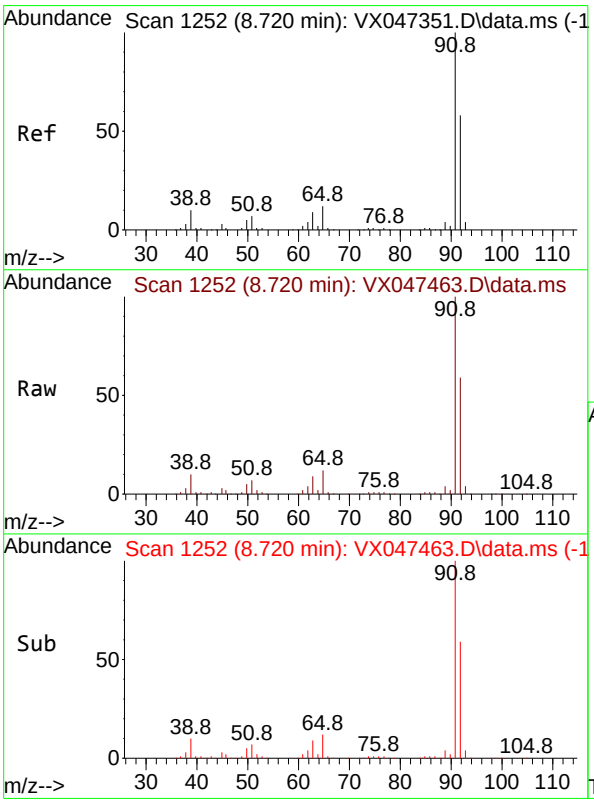
#50
Toluene-d8
Concen: 49.825 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825DL

Tgt Ion: 98 Resp: 532387

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.9	80.9

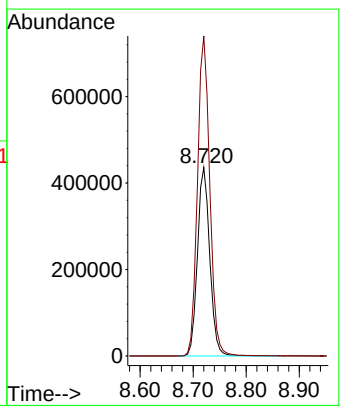


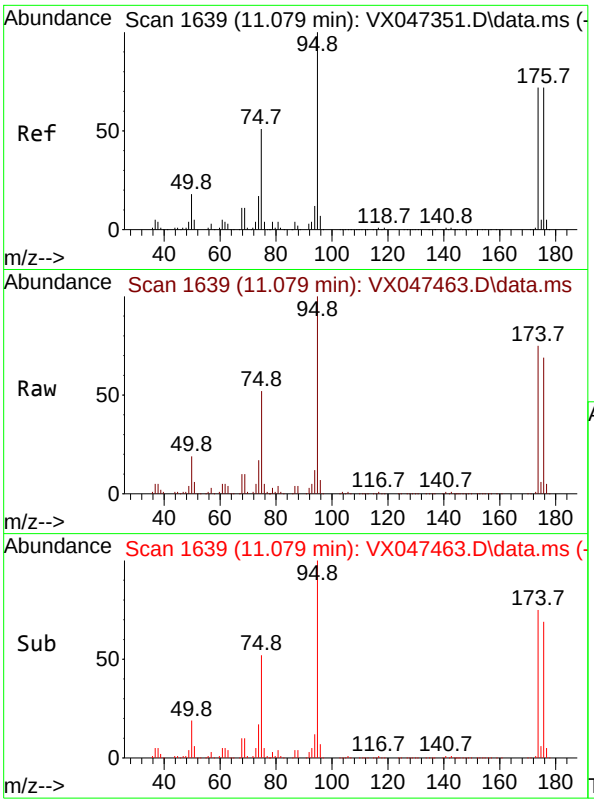


#52
Toluene
Concen: 80.431 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

Tgt Ion: 92 Resp: 702021

Ion	Ratio	Lower	Upper
92	100		
91	170.0	136.3	204.5



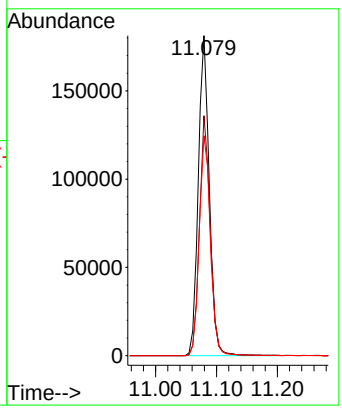


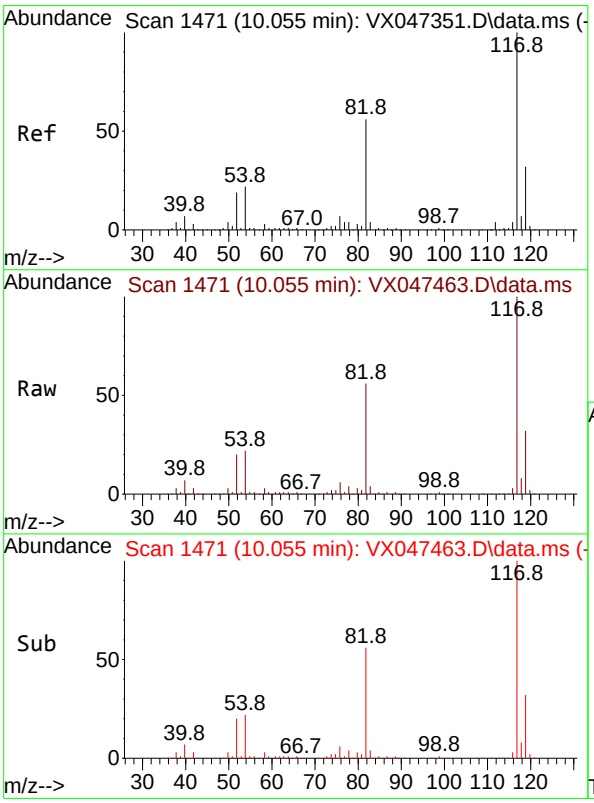
#62
4-Bromofluorobenzene
Concen: 57.729 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825DL

Tgt Ion: 95 Resp: 227626

Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	148.0
176	70.0	0.0	145.4

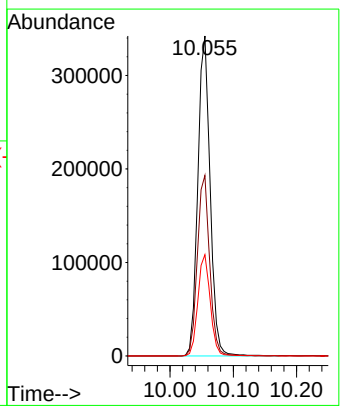


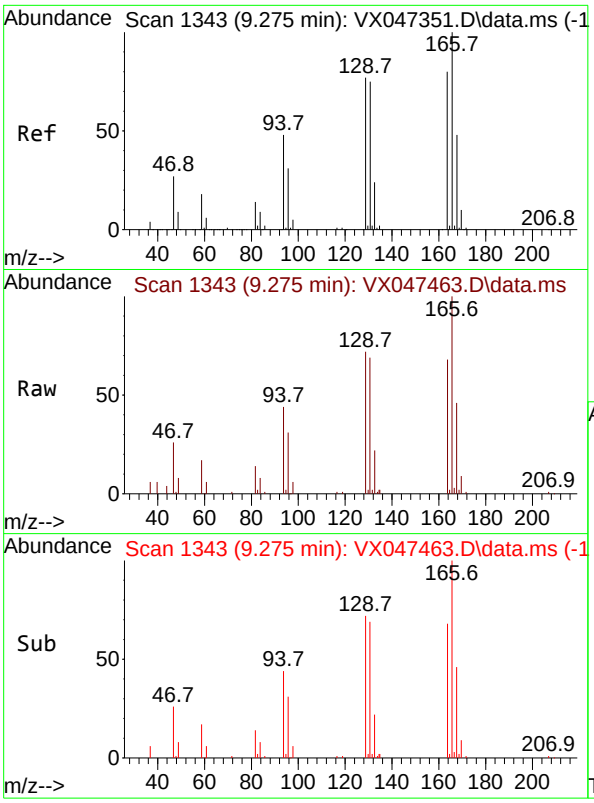


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

Tgt Ion:117 Resp: 463667

Ion	Ratio	Lower	Upper
117	100		
82	56.4	45.0	67.4
119	31.6	25.8	38.8



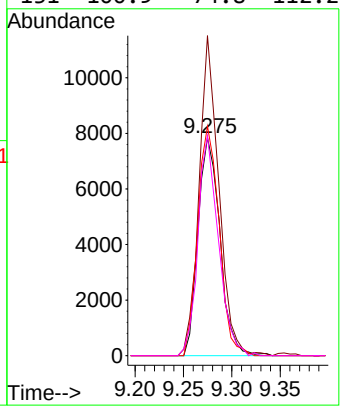


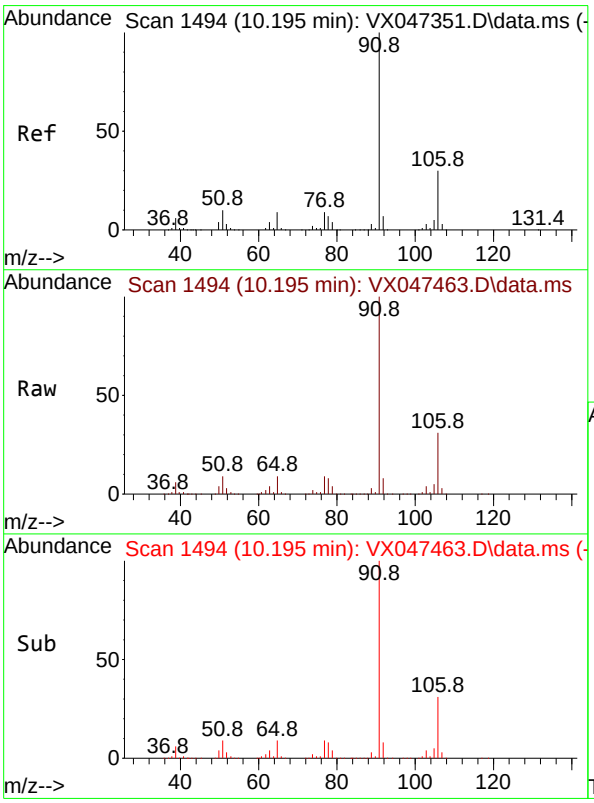
#64
Tetrachloroethene
Concen: 3.690 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825DL

Tgt Ion:164 Resp: 12376

Ion	Ratio	Lower	Upper
164	100		
166	146.8	100.3	150.5
129	105.3	77.7	116.5
131	100.9	74.8	112.2

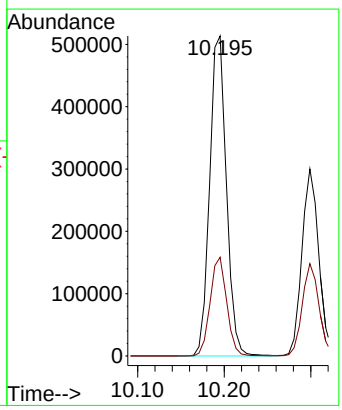


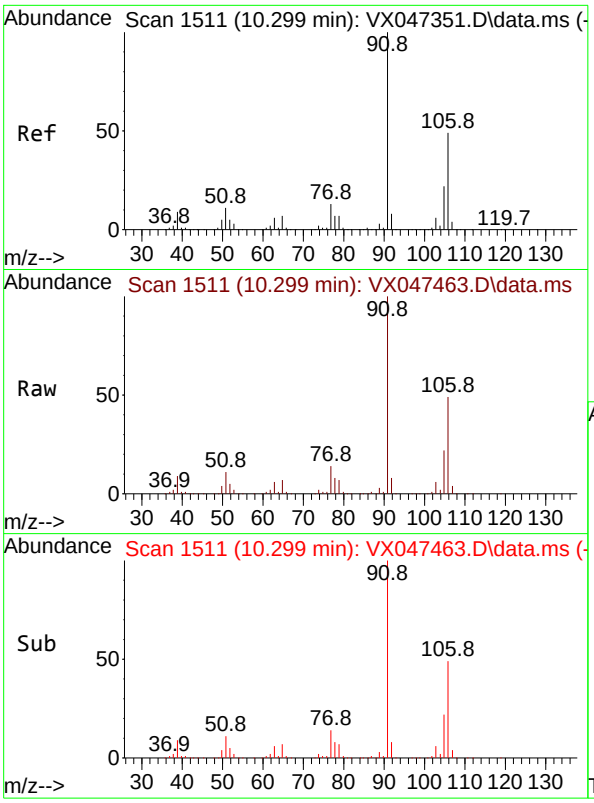


#67
Ethyl Benzene
Concen: 36.363 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

Tgt Ion: 91 Resp: 689608

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.4	36.6



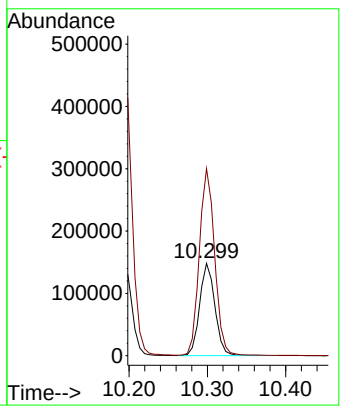


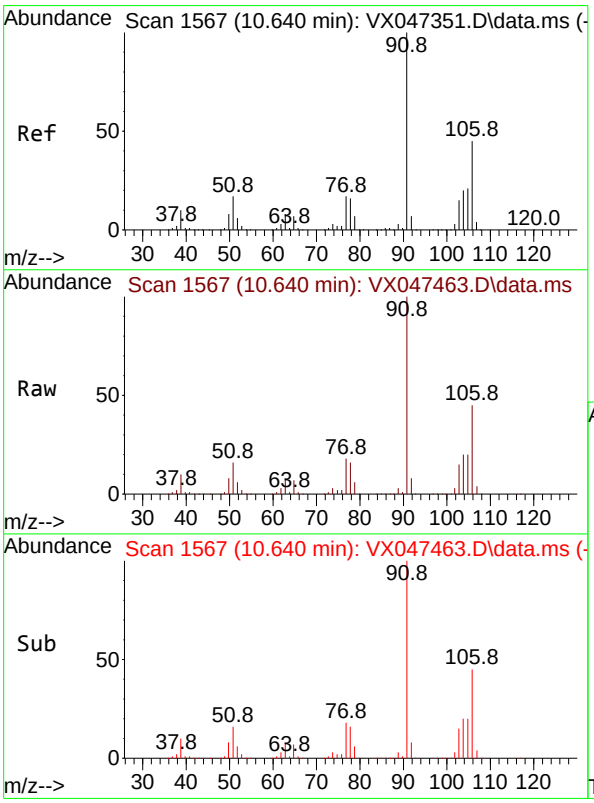
#68
m/p-Xylenes
Concen: 28.171 ug/l
RT: 10.299 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825DL

Tgt Ion:106 Resp: 199207

Ion	Ratio	Lower	Upper
106	100		
91	204.6	164.7	247.1

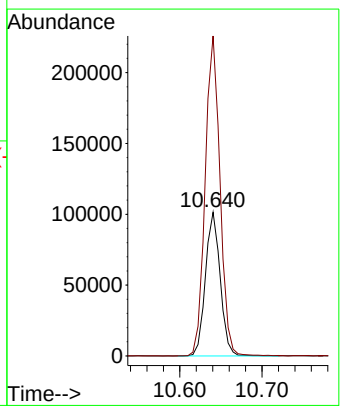


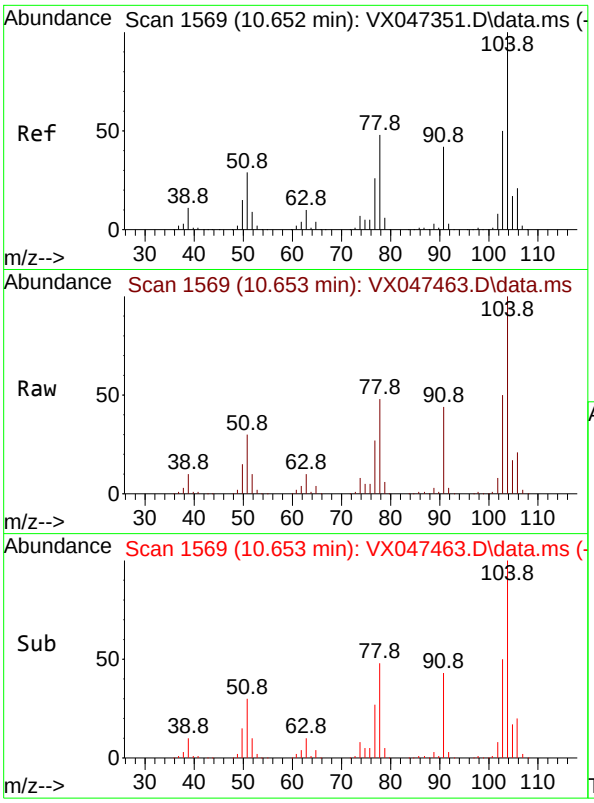


#69
o-Xylene
Concen: 18.577 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

Tgt Ion:106 Resp: 126417

Ion	Ratio	Lower	Upper
106	100		
91	224.0	110.6	331.8



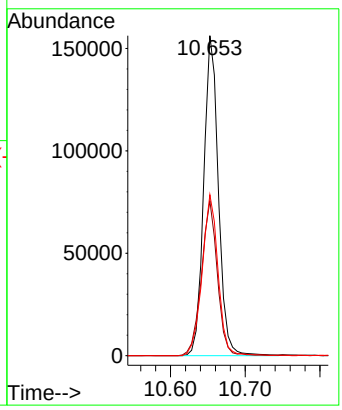


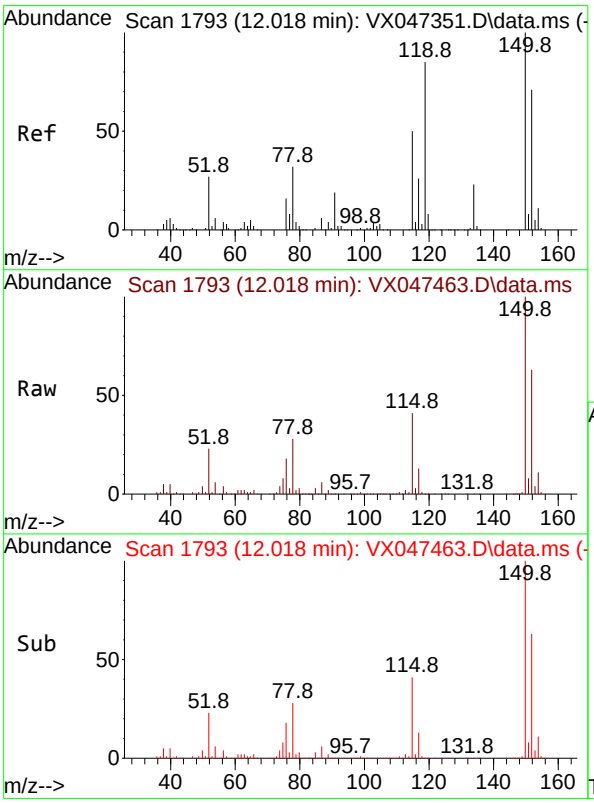
#70
Styrene
Concen: 18.520 ug/l
RT: 10.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825DL

Tgt Ion:104 Resp: 212952

Ion	Ratio	Lower	Upper
104	100		
78	52.6	41.8	62.8
103	54.5	43.6	65.4

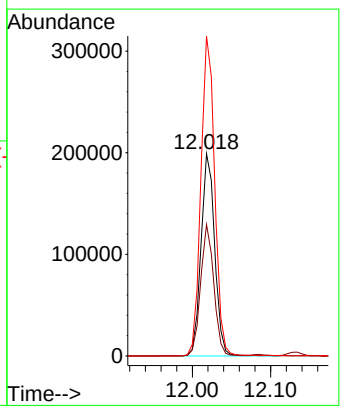


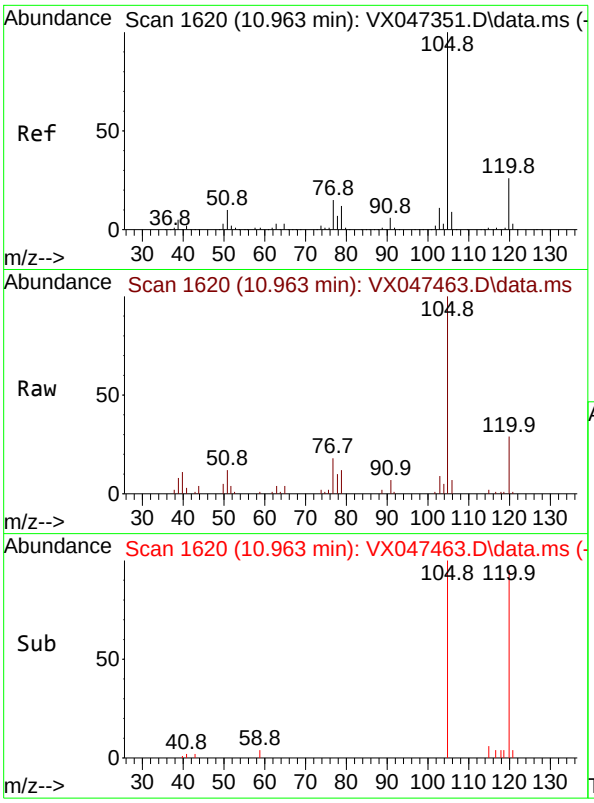


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

Tgt Ion:152 Resp: 240978

Ion	Ratio	Lower	Upper
152	100		
115	62.7	44.6	133.8
150	159.6	0.0	349.8



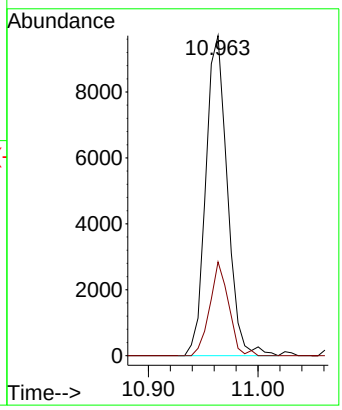


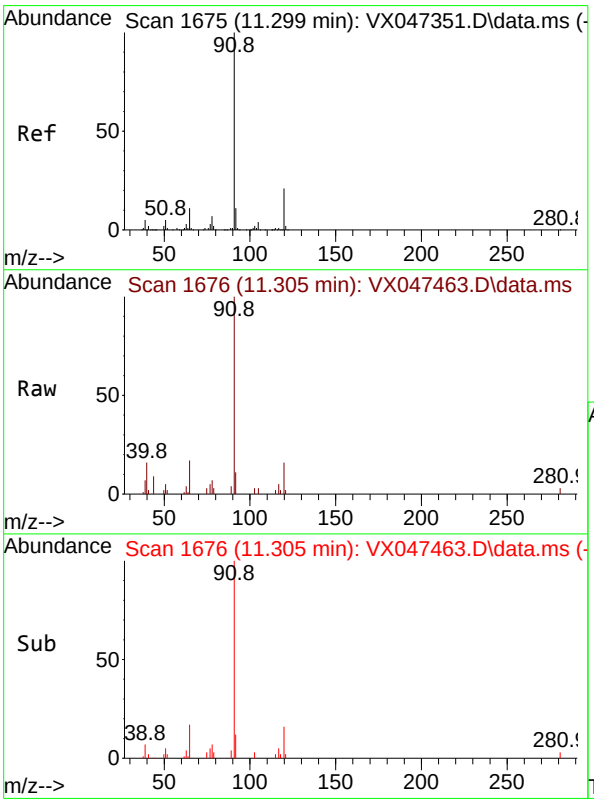
#73
Isopropylbenzene
Concen: 0.703 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825DL

Tgt Ion:105 Resp: 13255

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.9	38.6

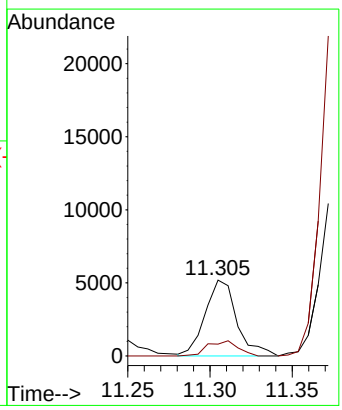


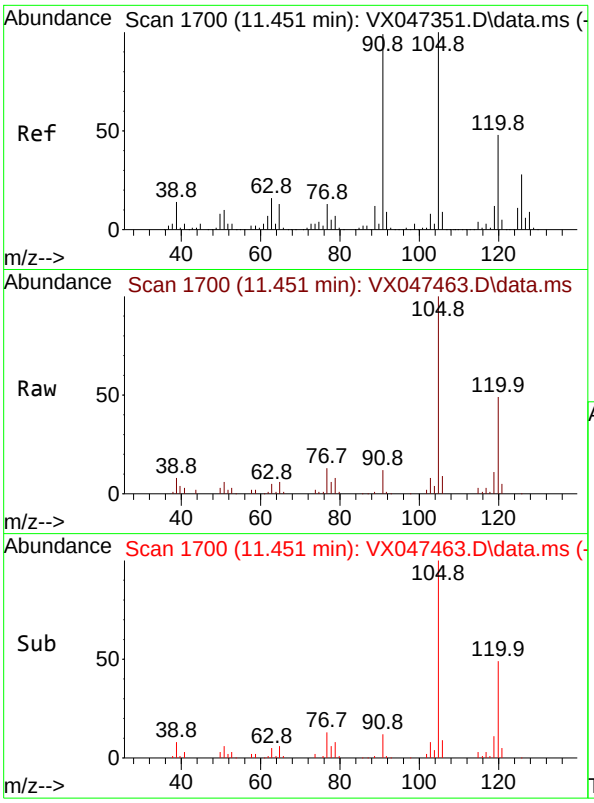


#78
n-propylbenzene
Concen: 0.309 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

Tgt Ion: 91 Resp: 6968

Ion	Ratio	Lower	Upper
91	100		
120	0.0	11.0	33.0#



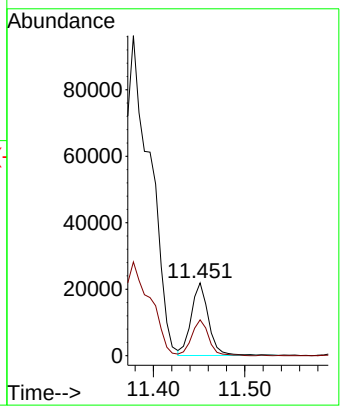


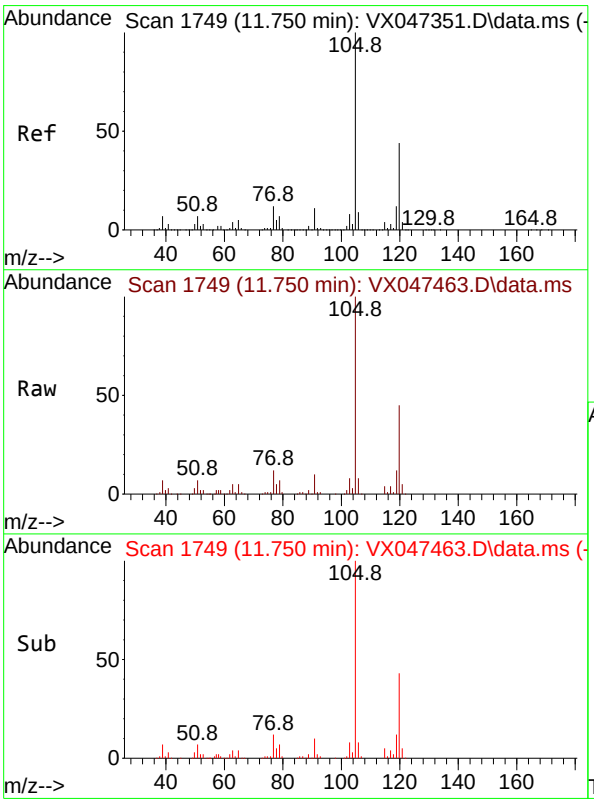
#80
1,3,5-Trimethylbenzene
Concen: 1.851 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825DL

Tgt Ion:105 Resp: 28722

Ion	Ratio	Lower	Upper
105	100		
120	48.4	23.9	71.7

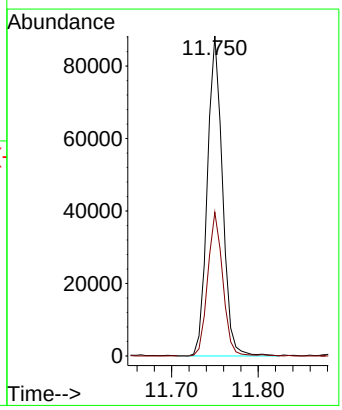




#84
1,2,4-Trimethylbenzene
Concen: 6.891 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

Tgt Ion:105 Resp: 106925

Ion	Ratio	Lower	Upper
105	100		
120	44.8	21.9	65.7



Raw Data: **VX047445.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:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	DUP-01-081825	SDG No.:	Q2900
Lab Sample ID:	Q2900-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047445.D	1	08/20/25 16:09	VX082025

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	38.7		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	1.10	J	0.23	5.00	ug/L
67-64-1	Acetone	3.40	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	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	300	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	330	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	2900	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	310	E	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	2800	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:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	DUP-01-081825	SDG No.:	Q2900
Lab Sample ID:	Q2900-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047445.D	1	08/20/25 16:09	VX082025

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	200	E	0.23	5.00	ug/L
108-90-7	Chlorobenzene	5.00	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	1100	E	0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	1100	E	0.24	10.0	ug/L
95-47-6	o-Xylene	780	E	0.12	5.00	ug/L
100-42-5	Styrene	840	E	0.15	5.00	ug/L
75-25-2	Bromoform	5.00	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	28.9		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	62.9	*	74 - 125	126%	SPK: 50
1868-53-7	Dibromofluoromethane	59.3		75 - 124	119%	SPK: 50
2037-26-5	Toluene-d8	55.6		86 - 113	111%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.3		77 - 121	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	210000	5.568			
540-36-3	1,4-Difluorobenzene	368000	6.775			
3114-55-4	Chlorobenzene-d5	367000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	177000	12.024			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VX047445.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:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	DUP-01-081825	SDG No.:	Q2900
Lab Sample ID:	Q2900-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047445.D	1	08/20/25 16:09	VX082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
103-65-1	n-propylbenzene	15.9	J		11.3	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	520	J		11.4	ug/L
108-67-8	1,3,5-Trimethylbenzene	92.3	J		11.5	ug/L
95-63-6	1,2,4-Trimethylbenzene	360	J		11.8	ug/L
000100-80-1	Benzene, 1-ethenyl-3-methyl-	330	J		11.8	ug/L
99-87-6	p-Isopropyltoluene	5.10	J		12.0	ug/L
000496-11-7	Indane	730	J		12.2	ug/L
000095-13-6	Indene	3600	J		12.4	ug/L
065051-83-4	Benzene, (1-methyl-2-cyclopropen-1	470	J		13.3	ug/L
002177-47-1	2-Methylindene	570	J		13.4	ug/L
000275-51-4	Azulene	4700	J		13.8	ug/L
000270-82-6	Benzo[c]thiophene	260	J		13.9	ug/L
000090-12-0	Naphthalene, 1-methyl-	630	J		14.6	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: **VX047445.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047445.D
Acq On : 20 Aug 2025 16:09
Operator : JC/MD
Sample : Q2900-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 21 01:34:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825

Manual Integrations APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.568	168	210048	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.775	114	368410	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.055	117	367281	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	176836	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.977	65	184825	62.872	ug/l		0.01
Spiked Amount 50.000	Range 78 - 117		Recovery = 125.740%#				
35) Dibromofluoromethane	5.404	113	141682	59.256	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 118.520%				
50) Toluene-d8	8.659	98	475113	55.594	ug/l		0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 111.180%				
62) 4-Bromofluorobenzene	11.079	95	168052	53.287	ug/l		0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.580%				
Target Compounds							Qvalue
4) Vinyl Chloride	1.392	62	117010	38.702	ug/l	#	80
12) 1,1-Dichloroethene	2.343	96	2935	1.110	ug/l		96
16) Acetone	2.398	43	3781	3.422	ug/l		90
21) trans-1,2-Dichloroethene	3.111	96	848483	302.277	ug/l		99
27) cis-1,2-Dichloroethene	4.507	96	1074899	328.782	ug/l		89
40) Benzene	6.062	78	32876495m	2910.079	ug/l		
44) Trichloroethene	7.135	130	906848	313.488	ug/l		99
52) Toluene	8.738	92	19626997	2811.489	ug/l	#	1
64) Tetrachloroethene	9.275	164	542210	204.099	ug/l		99
67) Ethyl Benzene	10.195	91	15810612	1052.484	ug/l	#	82
68) m/p-Xylenes	10.311	106	6286372	1122.282	ug/l		94
69) o-Xylene	10.647	106	4205150	780.111	ug/l		96
70) Styrene	10.665	104	7683154	843.556	ug/l		96
73) Isopropylbenzene	10.964	105	399459	28.866	ug/l		100
78) n-propylbenzene	11.305	91	262602	15.889	ug/l	#	54
80) 1,3,5-Trimethylbenzene	11.451	105	1050362	92.251	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	4098093	359.918	ug/l		99
86) p-Isopropyltoluene	12.012	119	61078	5.126	ug/l	#	75

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

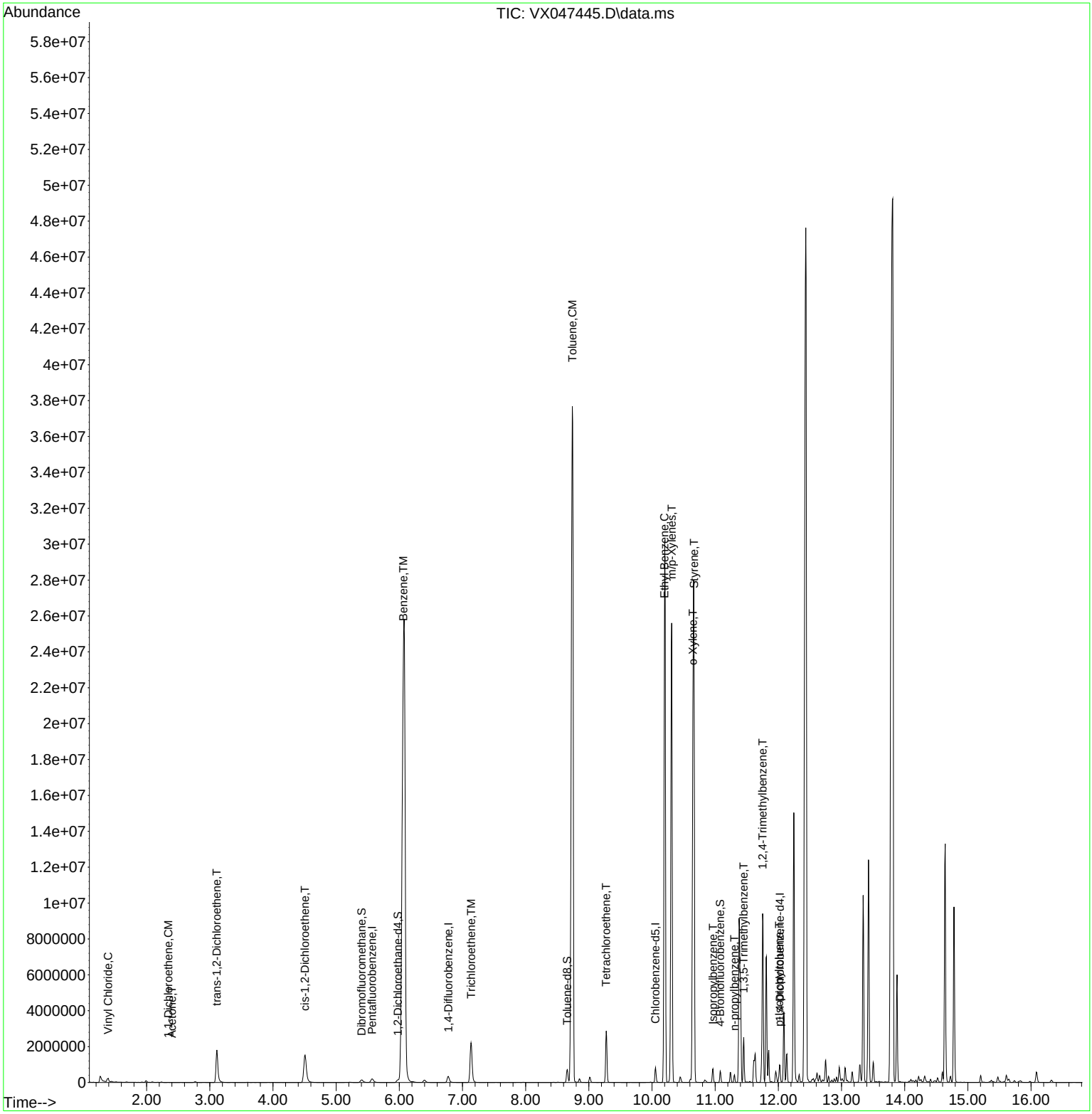
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047445.D
Acq On : 20 Aug 2025 16:09
Operator : JC/MD
Sample : Q2900-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

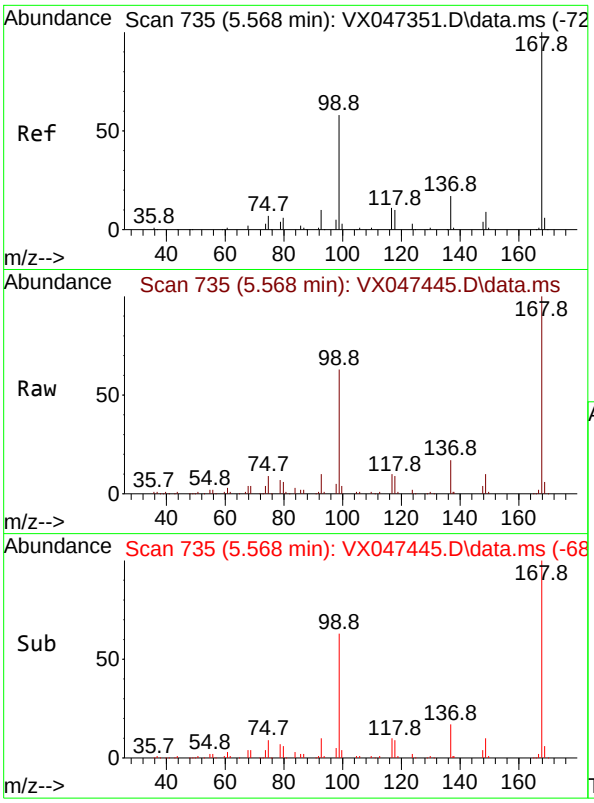
Quant Time: Aug 21 01:34:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825

Manual Integrations APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

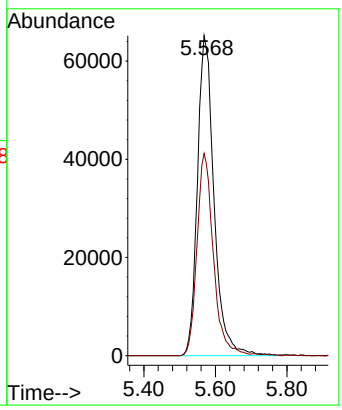




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

Tgt Ion:168 Resp: 21004

Ion	Ratio	Lower	Upper
168	100		
99	63.2	47.9	71.9



Instrument :
MSVOA_X
ClientSampleId :
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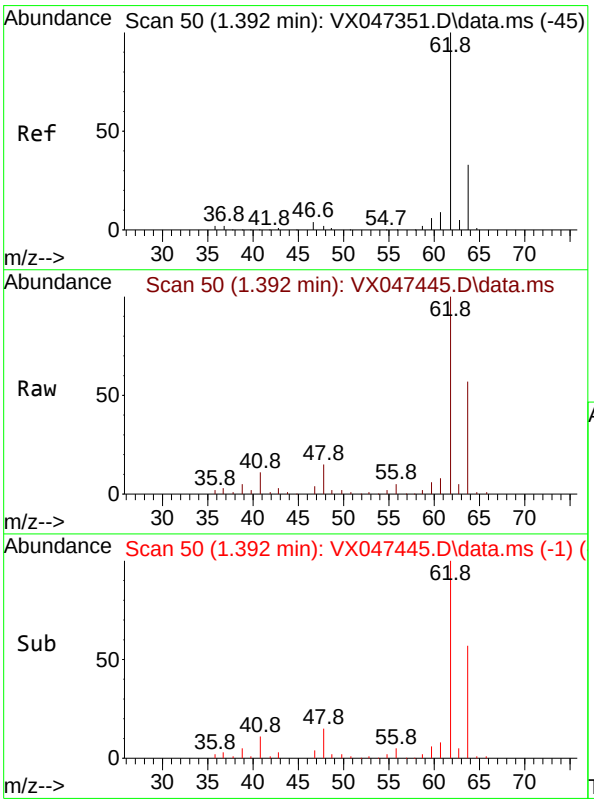
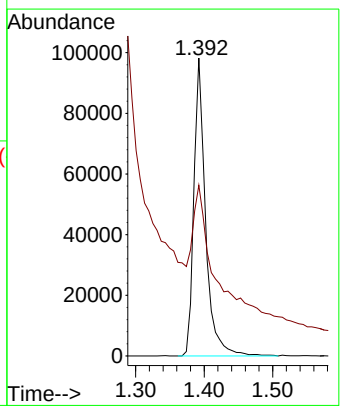
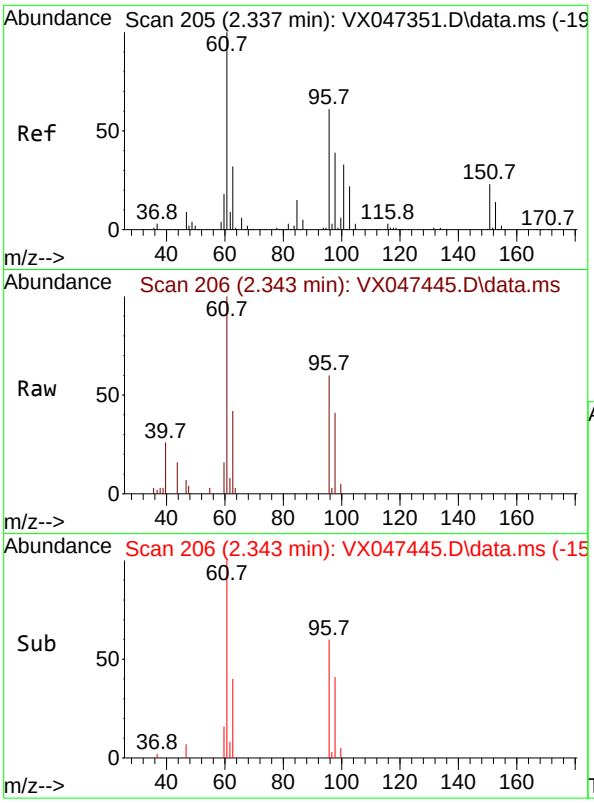


#4
Vinyl Chloride
Concen: 38.702 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.000 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

Tgt Ion: 62 Resp: 117010

Ion	Ratio	Lower	Upper
62	100		
64	44.2	26.5	39.7#

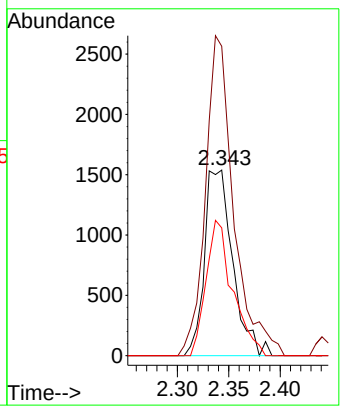




#12
1,1-Dichloroethene
Concen: 1.110 ug/l
RT: 2.343 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

Tgt Ion: 96 Resp: 293

Ion	Ratio	Lower	Upper
96	100		
61	159.7	132.2	198.2
98	66.0	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825

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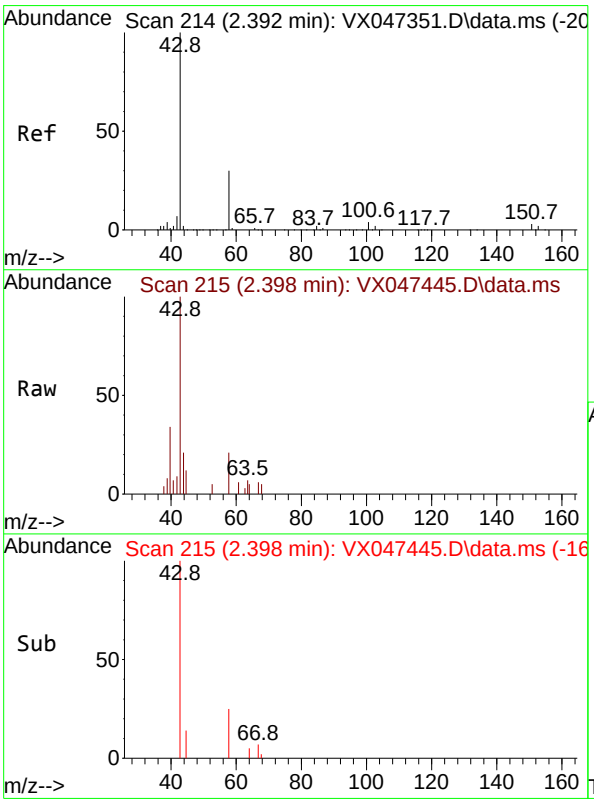
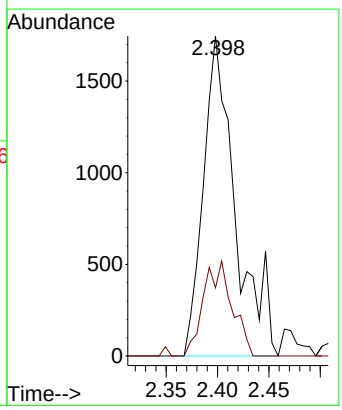
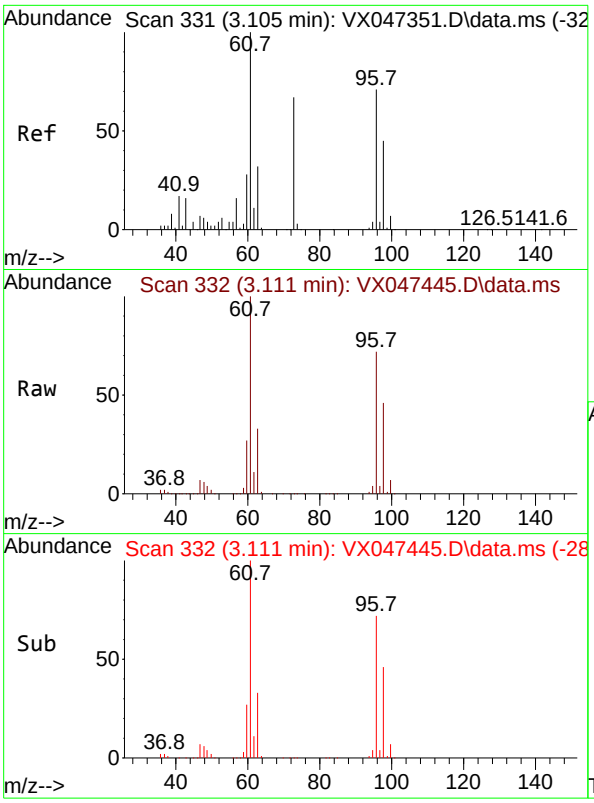


#16
Acetone
Concen: 3.422 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

Tgt Ion: 43 Resp: 3781

Ion	Ratio	Lower	Upper
43	100		
58	25.6	24.8	37.2

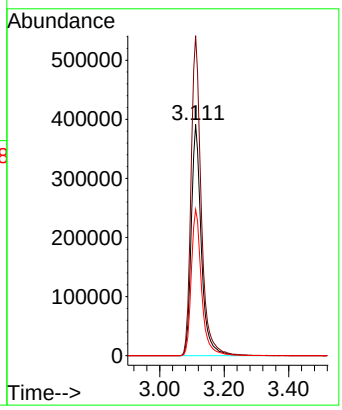




#21
trans-1,2-Dichloroethene
Concen: 302.277 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

Tgt Ion: 96 Resp: 84848

Ion	Ratio	Lower	Upper
96	100		
61	138.4	112.6	169.0
98	63.3	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825

Manual Integrations
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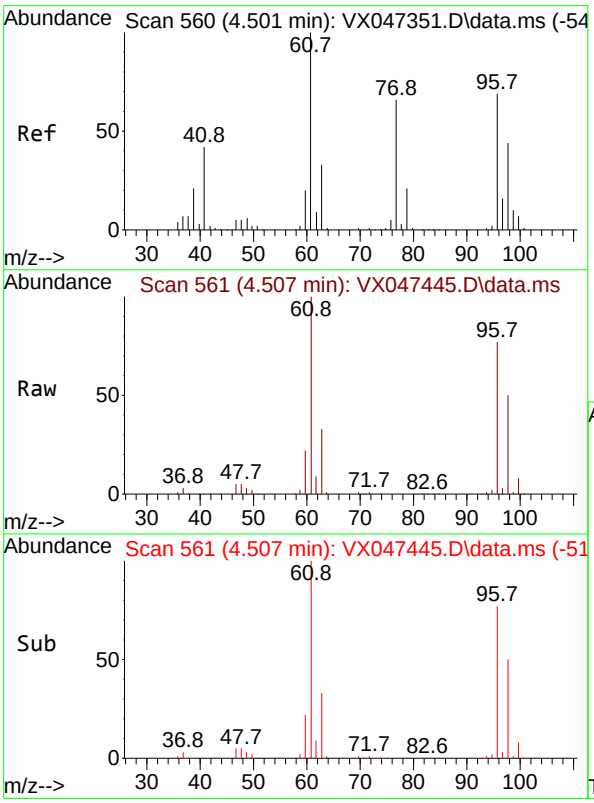
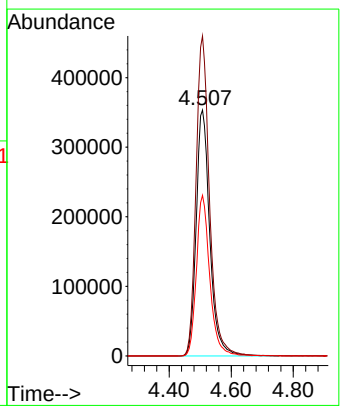
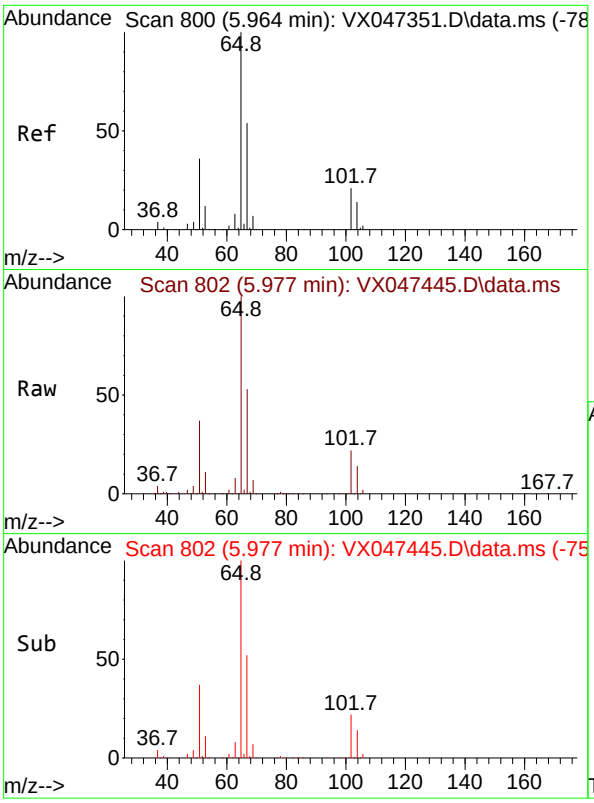


#27
cis-1,2-Dichloroethene
Concen: 328.782 ug/l
RT: 4.507 min Scan# 561
Delta R.T. 0.006 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

Tgt Ion: 96 Resp: 1074899

Ion	Ratio	Lower	Upper
96	100		
61	129.3	0.0	296.6
98	64.4	0.0	130.4

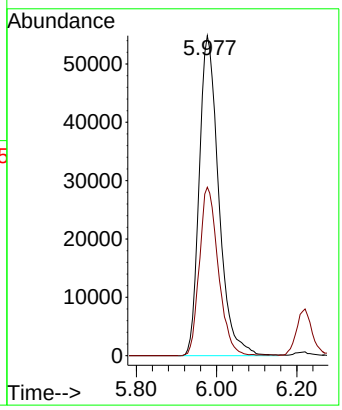




#33
1,2-Dichloroethane-d4
Concen: 62.872 ug/l
RT: 5.977 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

Tgt Ion: 65 Resp: 18482

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	106.0



Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825

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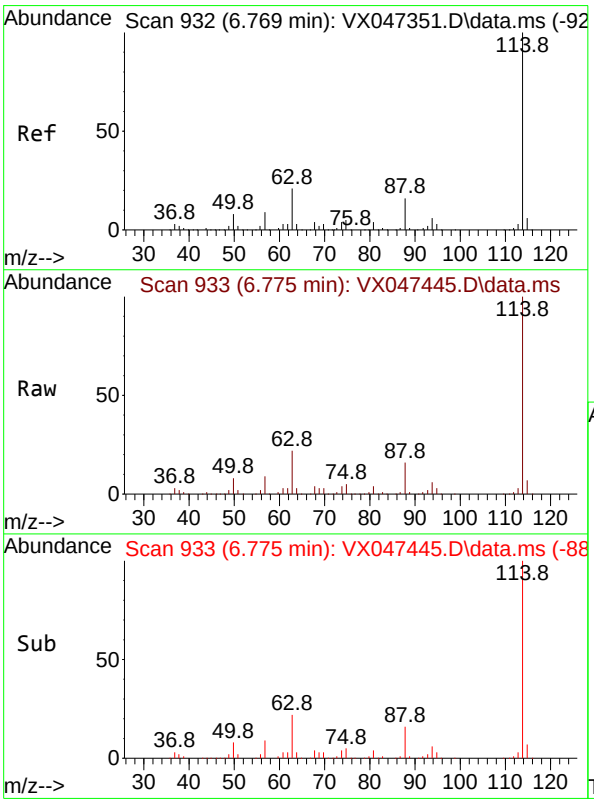
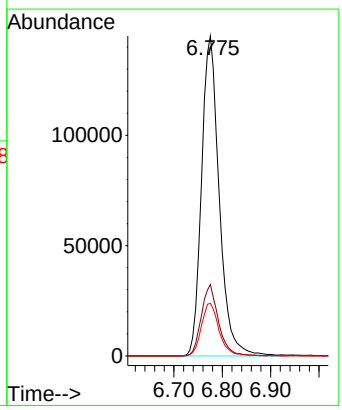
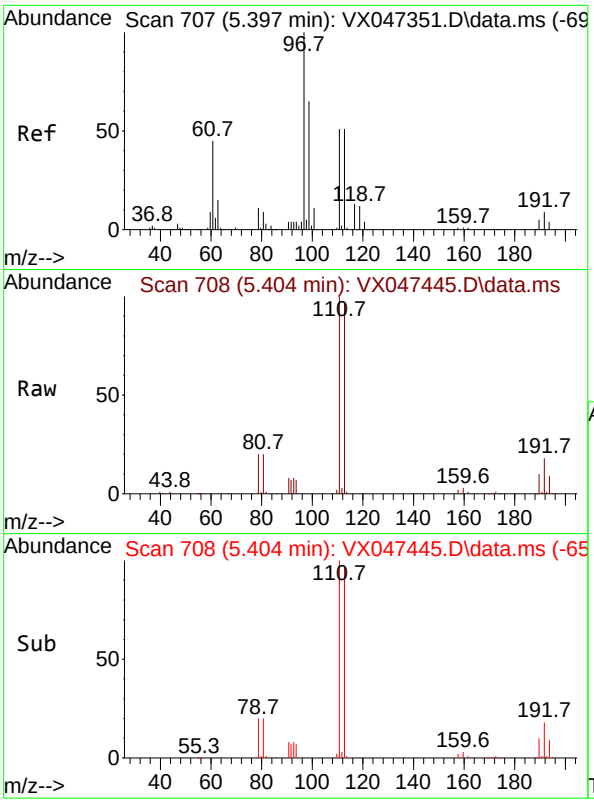


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.006 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

Tgt Ion:114 Resp: 368410

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	42.4
88	16.5	0.0	33.0

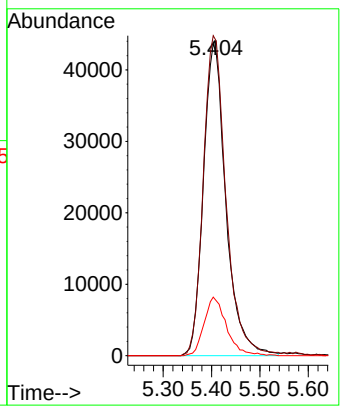




#35
Dibromofluoromethane
Concen: 59.256 ug/l
RT: 5.404 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

Tgt Ion:113 Resp: 14168

Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.4	122.2
192	18.7	14.1	21.1



Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825

Manual Integrations
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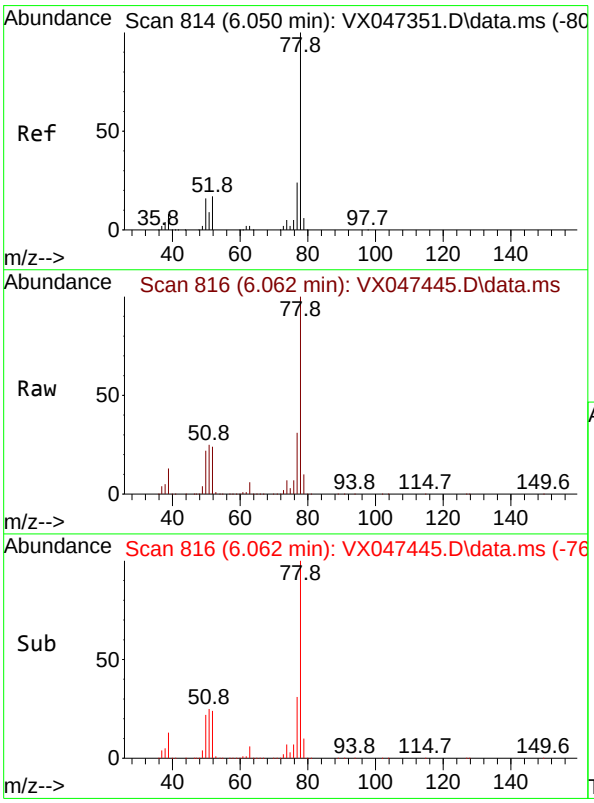
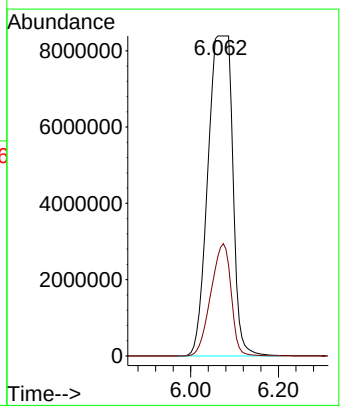
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

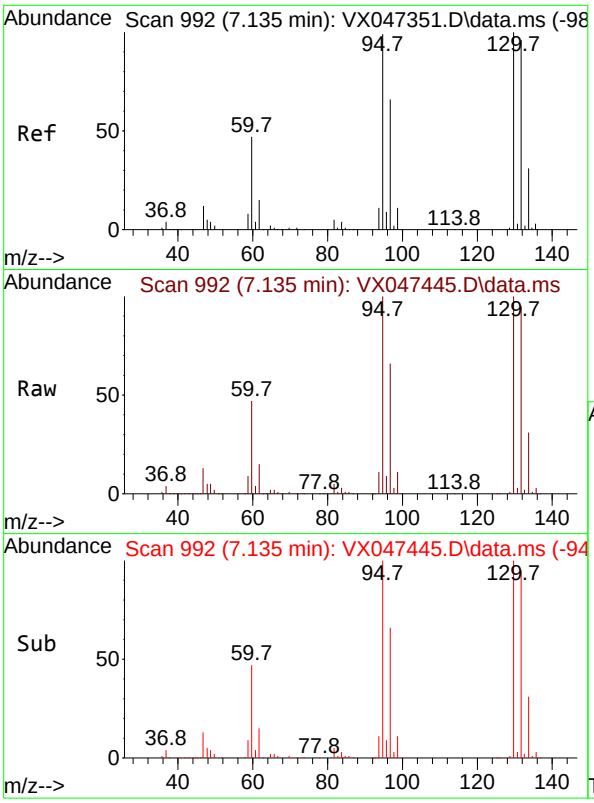


#40
Benzene
Concen: 2910.079 ug/l m
RT: 6.062 min Scan# 816
Delta R.T. 0.012 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

Tgt Ion: 78 Resp:32876495

Ion	Ratio	Lower	Upper
78	100		
77	31.2	19.0	28.4#





#44
Trichloroethene
Concen: 313.488 ug/l
RT: 7.135 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

Tgt Ion:130 Resp: 90684

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	198.6

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825

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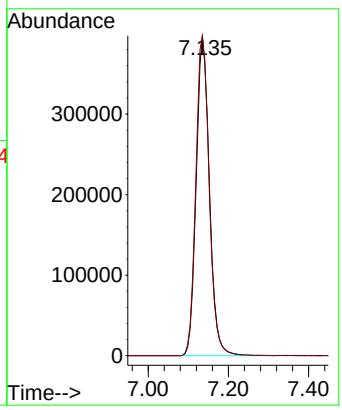
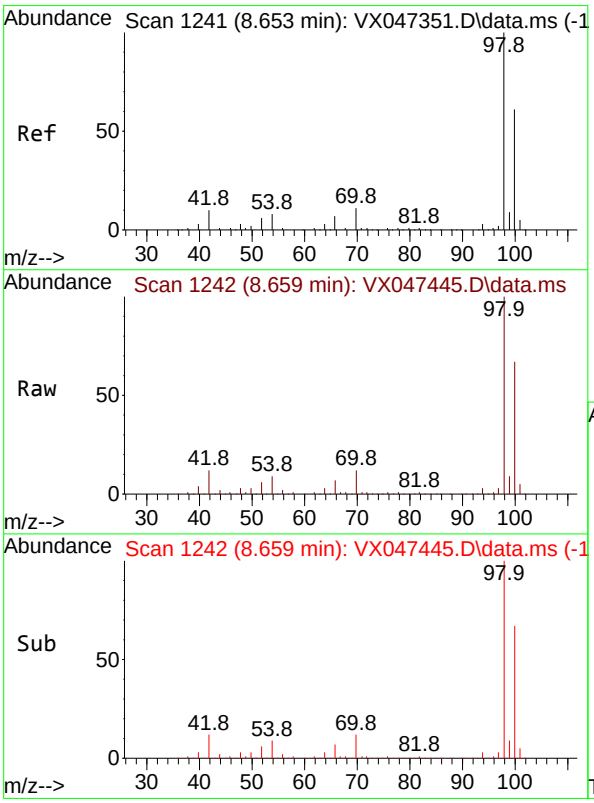
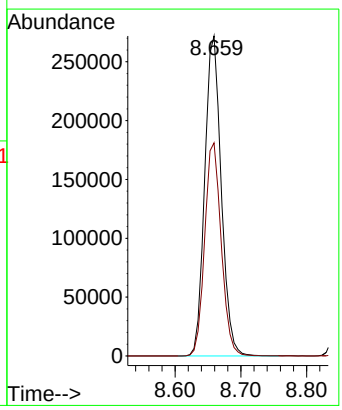


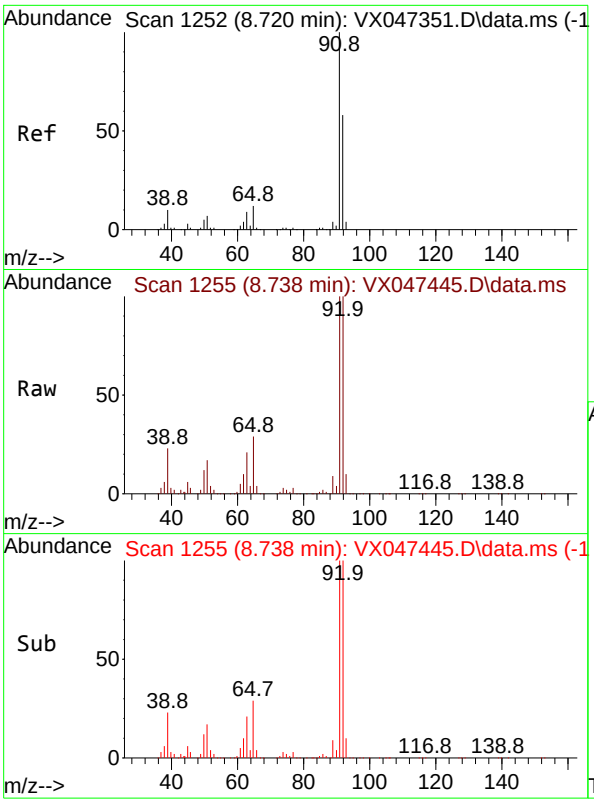


#50
Toluene-d8
Concen: 55.594 ug/l
RT: 8.659 min Scan# 1242
Delta R.T. 0.006 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

Tgt Ion: 98 Resp: 475113

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.9	80.9





#52
Toluene
Concen: 2811.489 ug/l
RT: 8.738 min Scan# 1
Delta R.T. 0.019 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

Tgt Ion: 92 Resp:1962699

Ion	Ratio	Lower	Upper
92	100		
91	0.0	136.3	204.5#

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825

Manual Integrations
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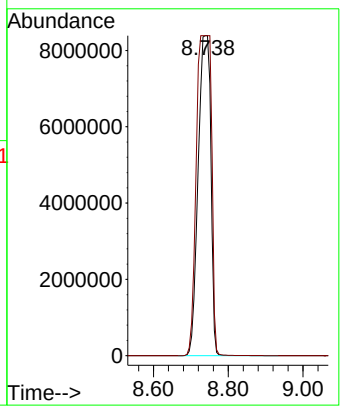
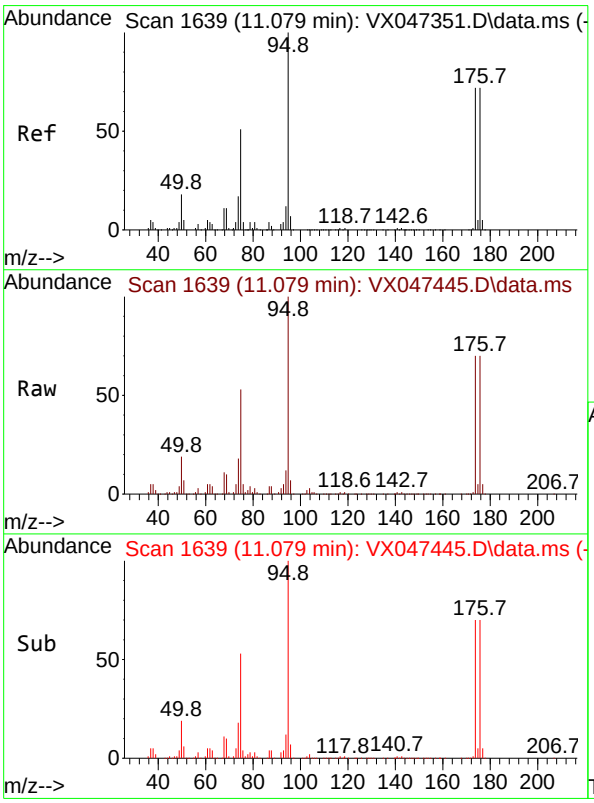
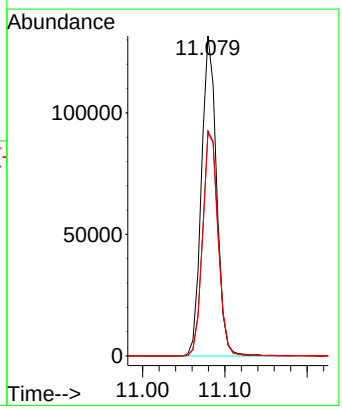


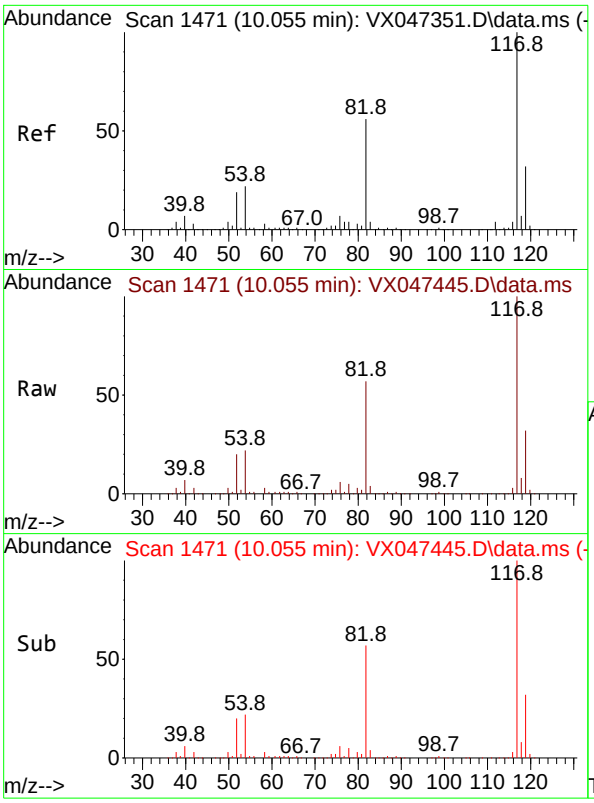


#62
4-Bromofluorobenzene
Concen: 53.287 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

Tgt Ion: 95 Resp: 168052

Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	148.0
176	71.0	0.0	145.4

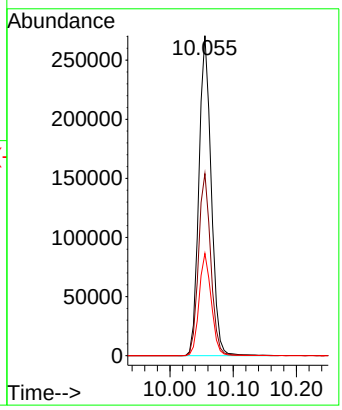




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

Tgt Ion:117 Resp: 36728

Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.0	67.4
119	32.0	25.8	38.8



Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825

Manual Integrations
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Reviewed By :John Carlone 08/21/2025
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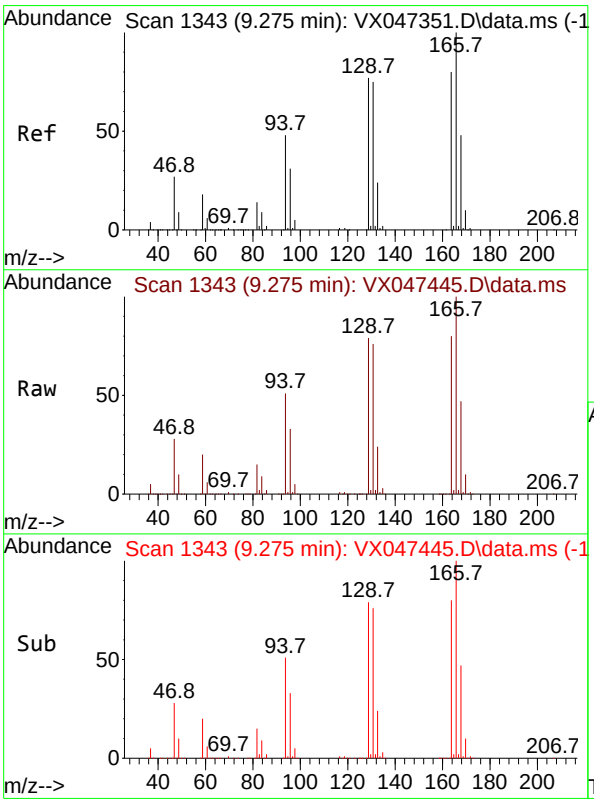
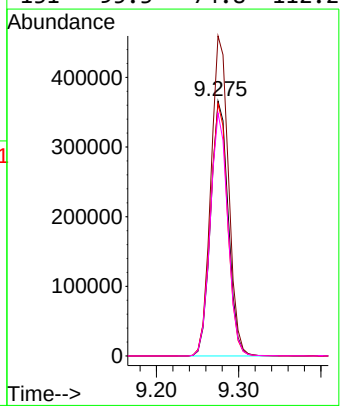
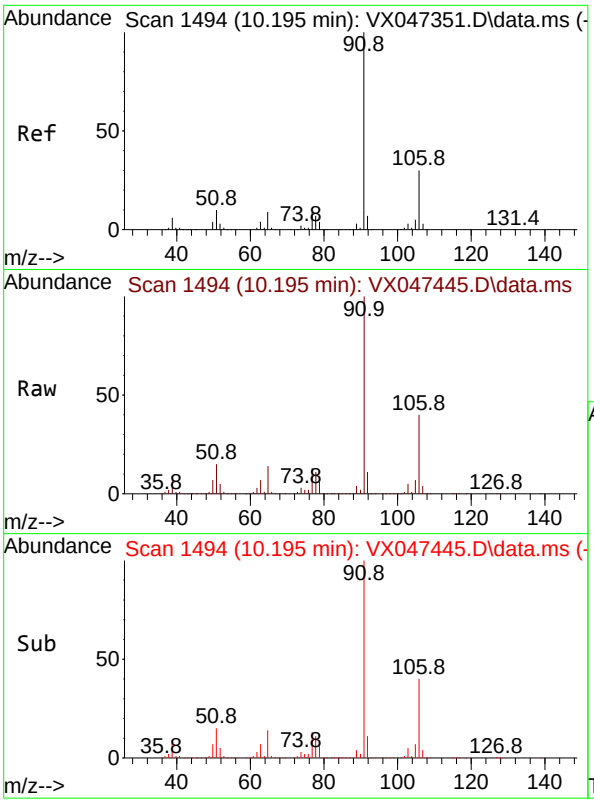


#64
Tetrachloroethene
Concen: 204.099 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

Tgt Ion:164 Resp: 542210

Ion	Ratio	Lower	Upper
164	100		
166	125.6	100.3	150.5
129	99.1	77.7	116.5
131	95.3	74.8	112.2

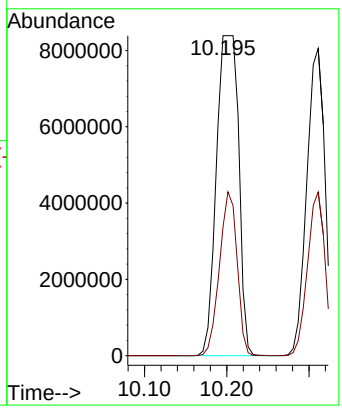




#67
Ethyl Benzene
Concen: 1052.484 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

Tgt Ion: 91 Resp:1581061

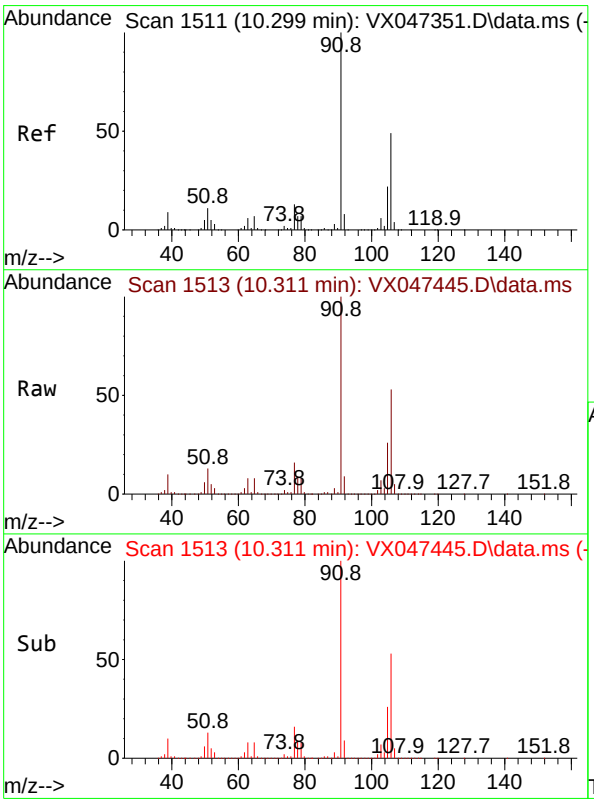
Ion	Ratio	Lower	Upper
91	100		
106	40.2	24.4	36.6



Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825

Manual Integrations
APPROVED

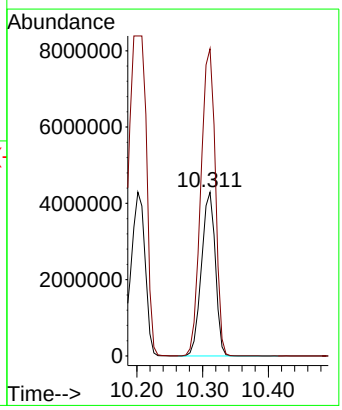
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

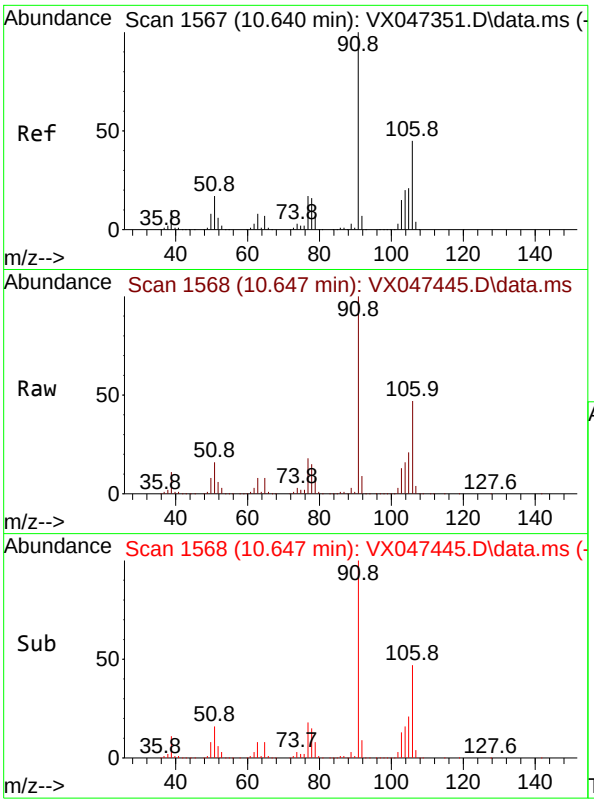


#68
m/p-Xylenes
Concen: 1122.282 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.012 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

Tgt Ion:106 Resp: 6286372

Ion	Ratio	Lower	Upper
106	100		
91	196.2	164.7	247.1





#69
o-Xylene
Concen: 780.111 ug/l
RT: 10.647 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

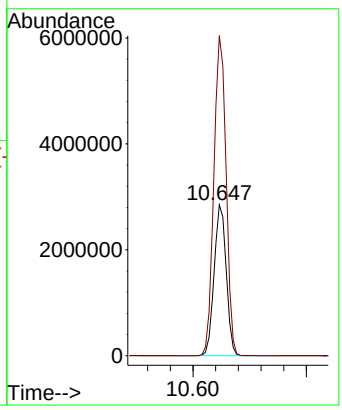
Tgt Ion:106 Resp: 420515

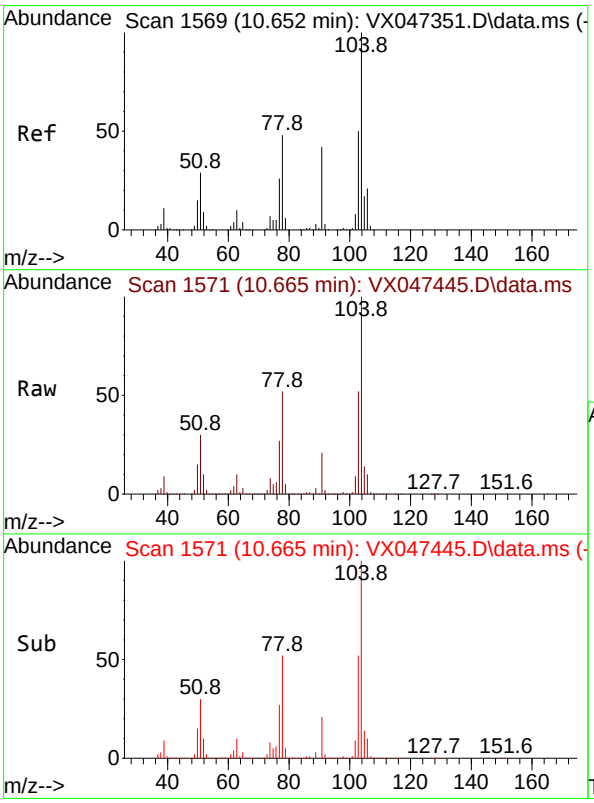
Ion	Ratio	Lower	Upper
106	100		
91	215.3	110.6	331.8

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

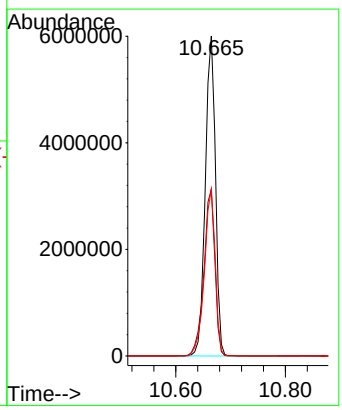


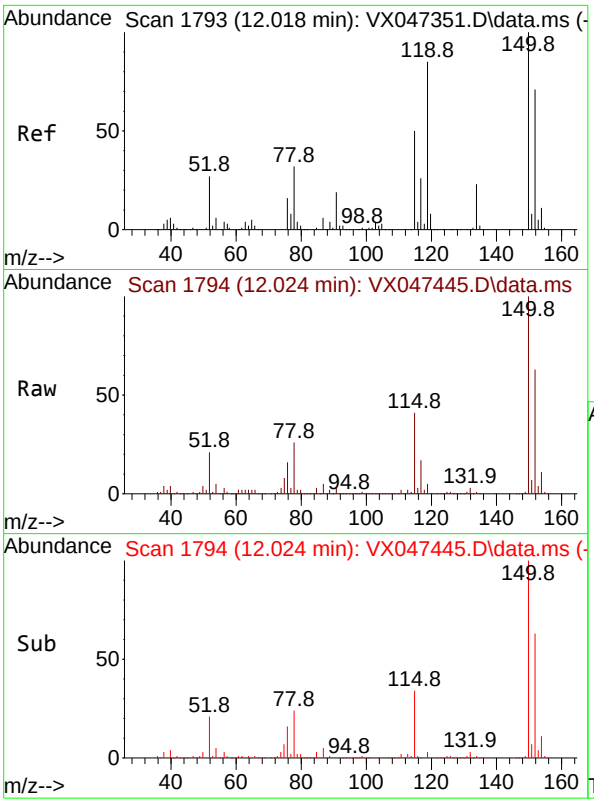


#70
Styrene
Concen: 843.556 ug/l
RT: 10.665 min Scan# 1571
Delta R.T. 0.012 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

Tgt Ion:104 Resp: 7683154

Ion	Ratio	Lower	Upper
104	100		
78	56.8	41.8	62.8
103	55.8	43.6	65.4

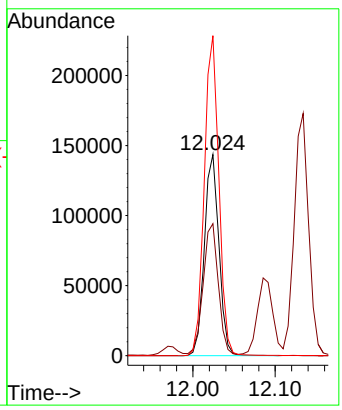




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

Tgt Ion:152 Resp: 17683

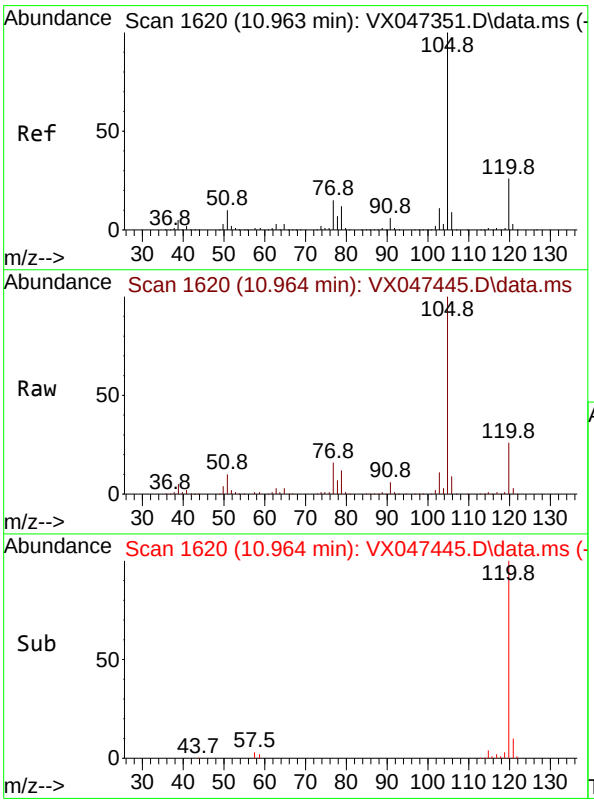
Ion	Ratio	Lower	Upper
152	100		
115	67.1	44.6	133.8
150	159.0	0.0	349.8



Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825

Manual Integrations
APPROVED

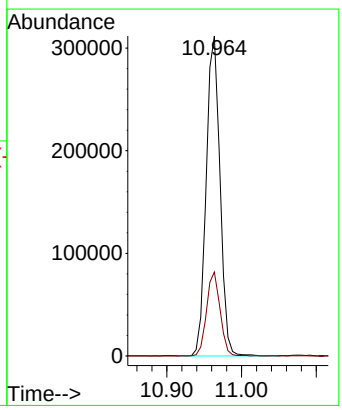
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

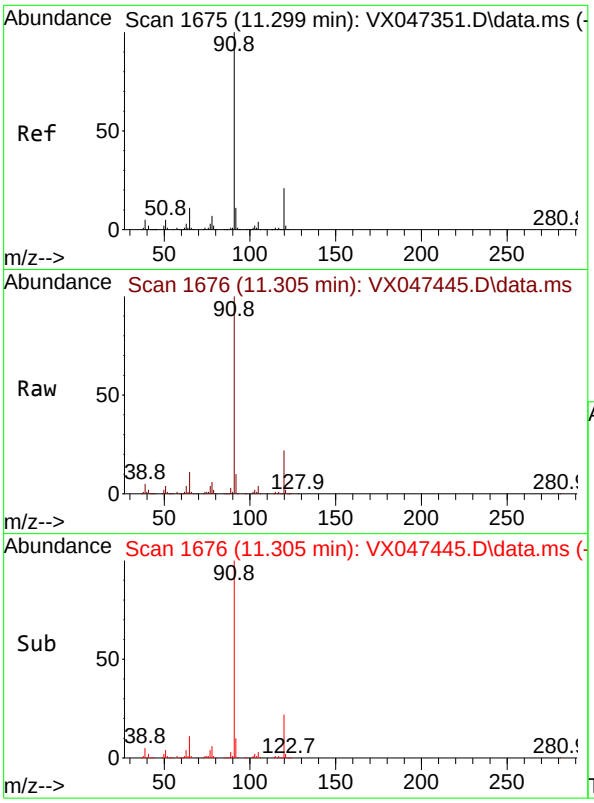


#73
Isopropylbenzene
Concen: 28.866 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

Tgt Ion:105 Resp: 399459

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.9	38.6





#78
n-propylbenzene
Concen: 15.889 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

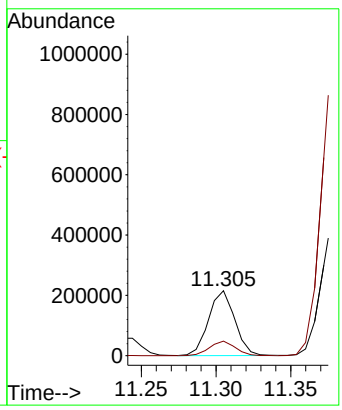
Tgt Ion: 91 Resp: 26260

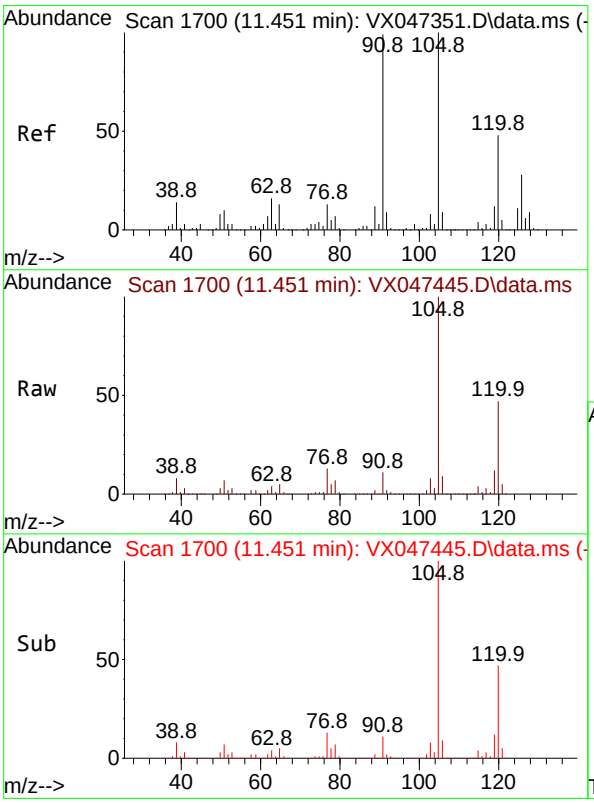
Ion	Ratio	Lower	Upper
91	100		
120	0.0	11.0	33.0

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

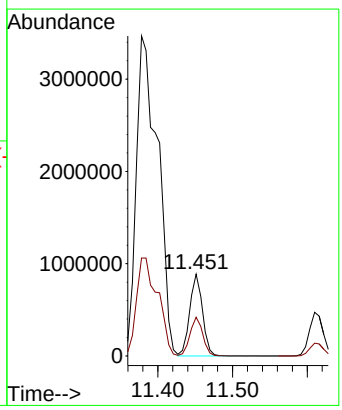


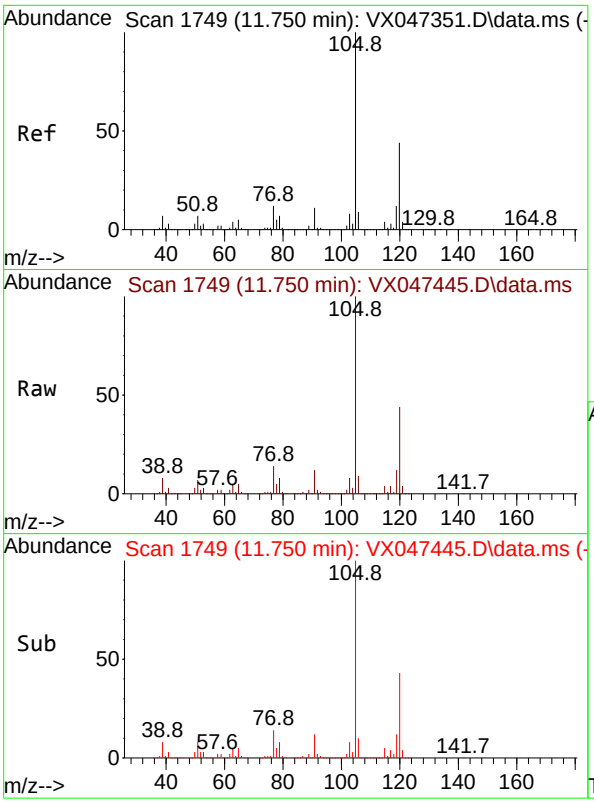


#80
1,3,5-Trimethylbenzene
Concen: 92.251 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

Tgt Ion:105 Resp: 1050362

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.9	71.7





#84
1,2,4-Trimethylbenzene
Concen: 359.918 ug/l
RT: 11.750 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

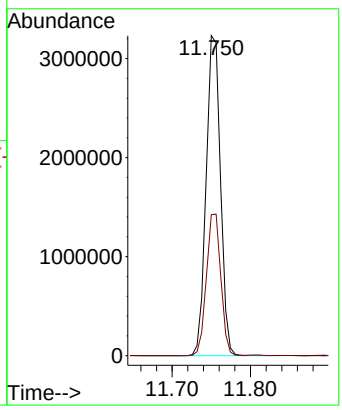
Tgt Ion:105 Resp: 409809

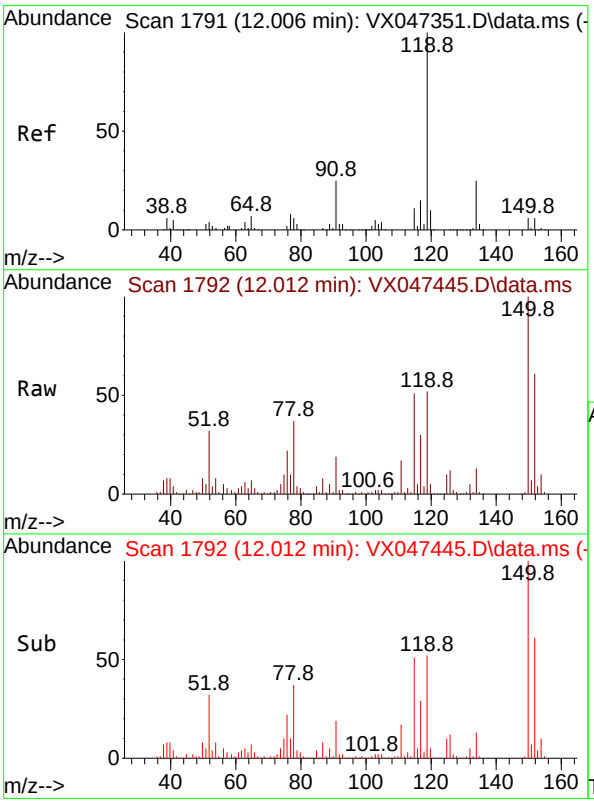
Ion	Ratio	Lower	Upper
105	100		
120	44.6	21.9	65.7

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

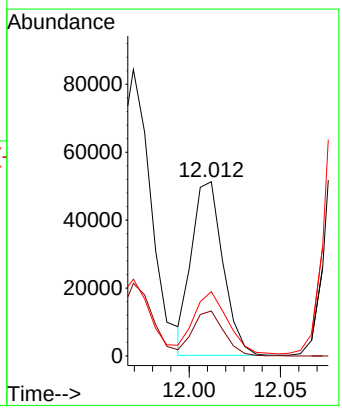




#86
p-Isopropyltoluene
Concen: 5.126 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX047445.D
Acq: 20 Aug 2025 16:09

Tgt Ion:119 Resp: 61078

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.8	38.4
91	0.0	12.4	37.4#



Sample Results: **VX047445.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047445.D
Acq On : 20 Aug 2025 16:09
Operator : JC/MD
Sample : Q2900-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047445.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.111	322	332	359	rBV	1813622	3967934	3.11%	0.580%
2	4.507	546	561	591	rBV	1525758	4597859	3.61%	0.672%
3	6.074	804	818	837	rVB2	25770073	84134924	66.00%	12.290%
4	7.135	982	992	1019	rVB	2213841	5080282	3.99%	0.742%
5	8.738	1246	1255	1261	rVB2	37608713	81715075	64.10%	11.936%
6	9.275	1337	1343	1355	rBV2	2872341	4235530	3.32%	0.619%
7	10.201	1488	1495	1501	rBV	30207850	45579340	35.75%	6.658%
8	10.311	1503	1513	1518	rBV	25590239	37927186	29.75%	5.540%
9	10.659	1563	1570	1576	rVB2	27968447	52269012	41.00%	7.635%
10	11.378	1683	1688	1691	rBV	9142964	14110267	11.07%	2.061%
11	11.451	1696	1700	1705	rVB	2511716	2946654	2.31%	0.430%
12	11.616	1721	1727	1728	rBV	1232721	1748882	1.37%	0.255%
13	11.634	1728	1730	1741	rVB	1609315	1654092	1.30%	0.242%
14	11.750	1741	1749	1754	rBV	9406058	12592710	9.88%	1.839%
15	11.811	1754	1759	1762	rVV	7003588	8974372	7.04%	1.311%
16	11.848	1762	1765	1770	rVB	1777218	2007354	1.57%	0.293%
17	12.018	1788	1793	1798	rVB2	955461	1352514	1.06%	0.198%
18	12.085	1799	1804	1808	rBV	3917485	4879539	3.83%	0.713%
19	12.134	1808	1812	1824	rVB	1578046	2000173	1.57%	0.292%
20	12.244	1824	1830	1840	rBV	15033574	19788355	15.52%	2.891%
21	12.433	1852	1861	1866	rBV2	47574559	96380197	75.61%	14.078%
22	12.750	1907	1913	1917	rVB	1210320	1618867	1.27%	0.236%
23	13.286	1993	2001	2005	rBV2	977691	1413033	1.11%	0.206%
24	13.341	2005	2010	2017	rVV	10417246	12671567	9.94%	1.851%
25	13.427	2018	2024	2030	rVV	12387616	15517234	12.17%	2.267%
26	13.500	2030	2036	2041	rVB	1104719	1448338	1.14%	0.212%
27	13.811	2076	2087	2091	rBV3	49212794	127476865	100.00%	18.621%
28	13.878	2093	2098	2104	rVB	5968556	7021864	5.51%	1.026%
29	14.640	2218	2223	2231	rVB	13293072	17063156	13.39%	2.492%
30	14.780	2241	2246	2258	rVB	9777220	12420379	9.74%	1.814%

Sum of corrected areas: 684593554

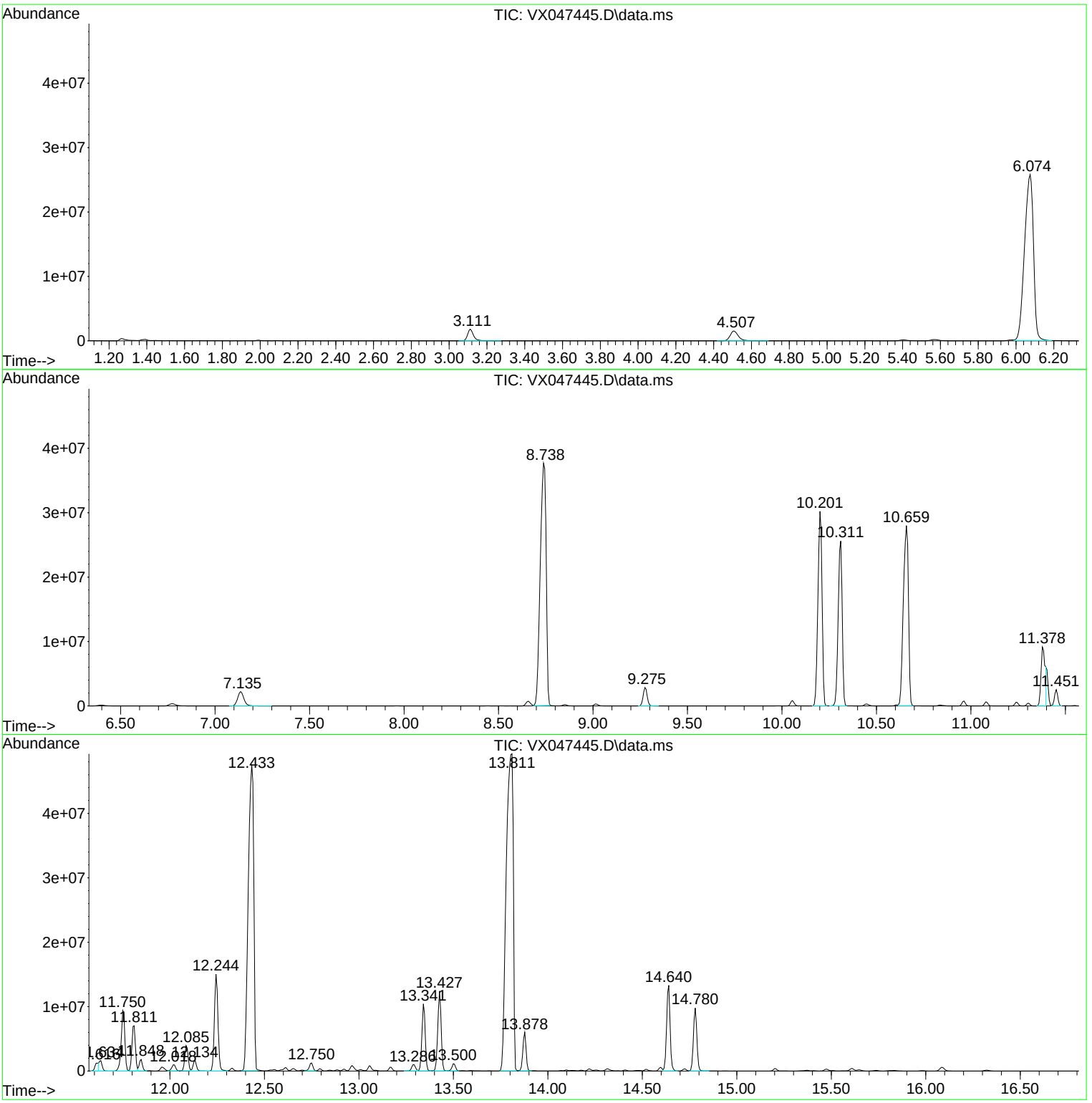
Sample Results: **VX047445.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047445.D
Acq On : 20 Aug 2025 16:09
Operator : JC/MD
Sample : Q2900-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

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



Sample Results: **VX047445.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047445.D
Acq On : 20 Aug 2025 16:09
Operator : JC/MD
Sample : Q2900-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825

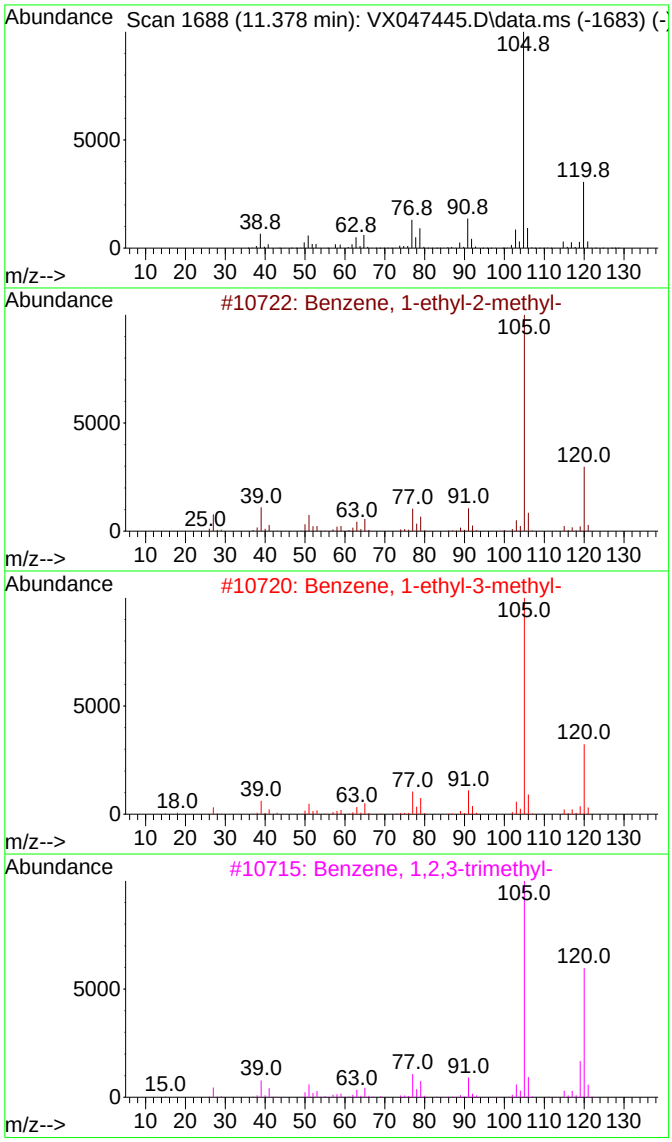
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

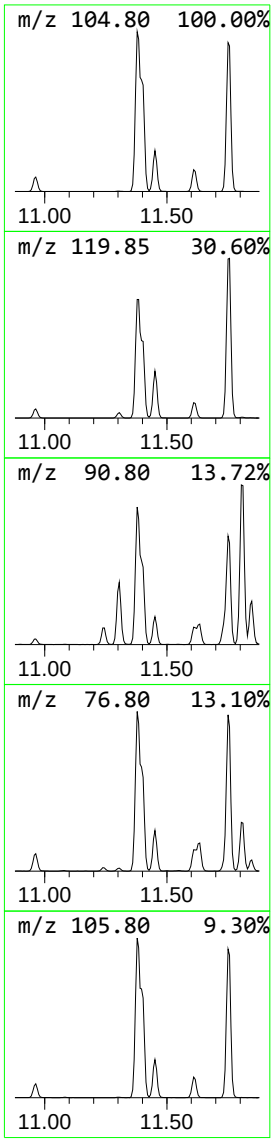
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.378	521.63 ug/l	14110300	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047445.D
Acq On : 20 Aug 2025 16:09
Operator : JC/MD
Sample : Q2900-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825

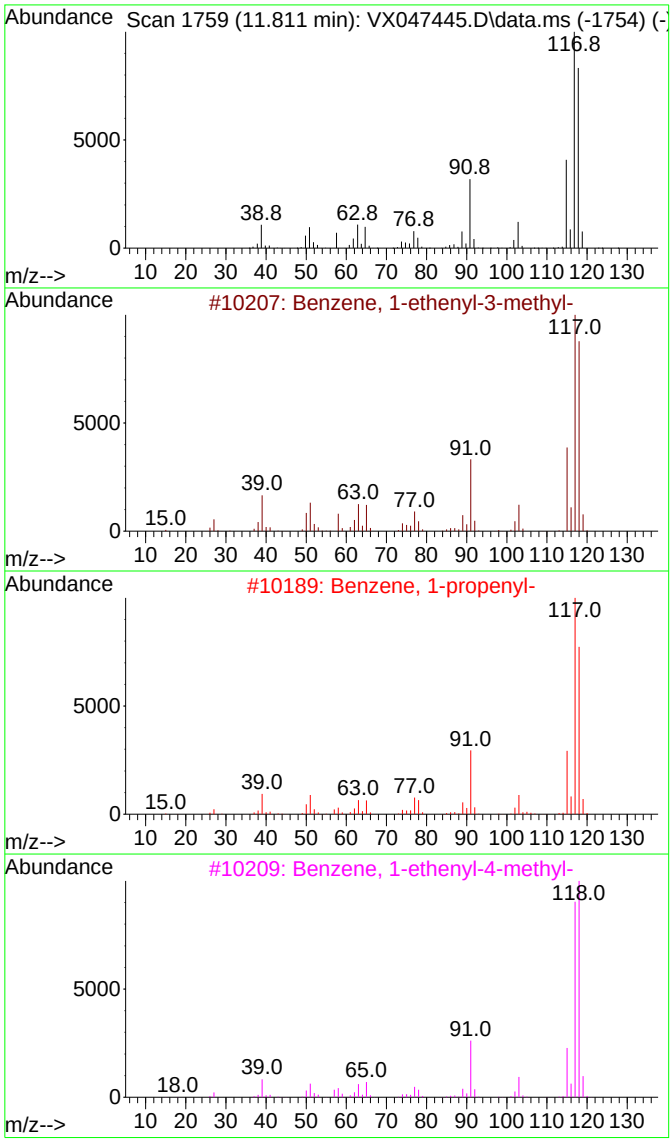
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

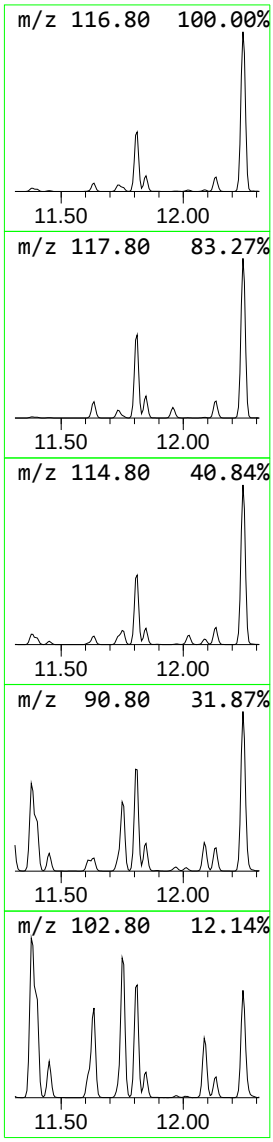
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 1-ethenyl-3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.811	331.77 ug/l	8974370	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	95
3	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	95
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047445.D
Acq On : 20 Aug 2025 16:09
Operator : JC/MD
Sample : Q2900-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

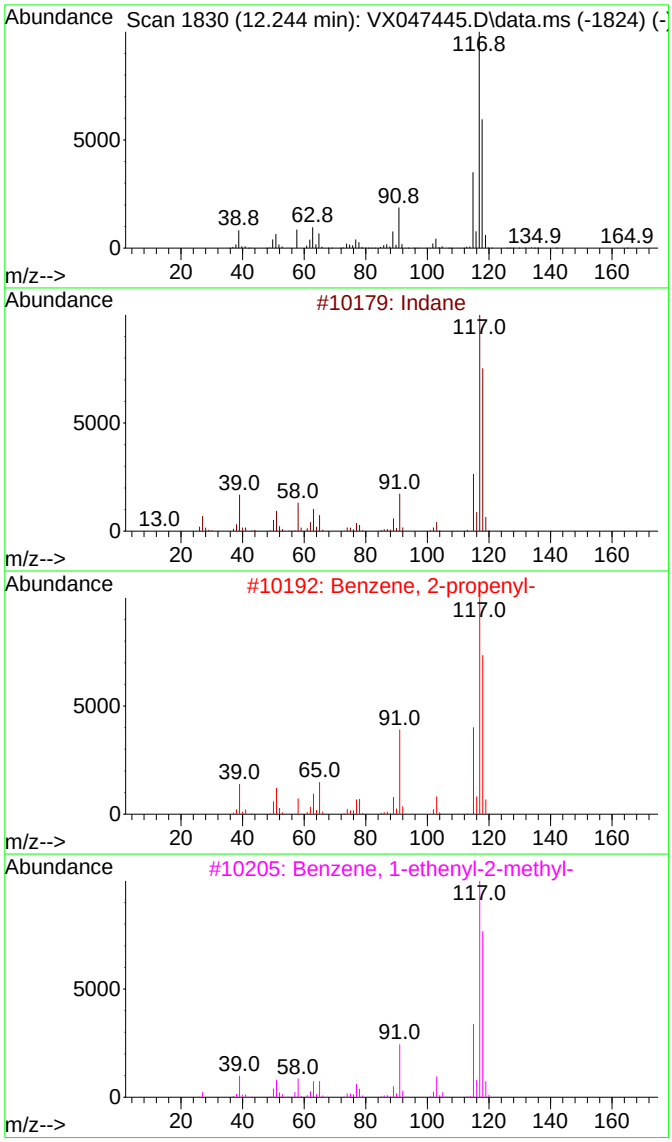
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

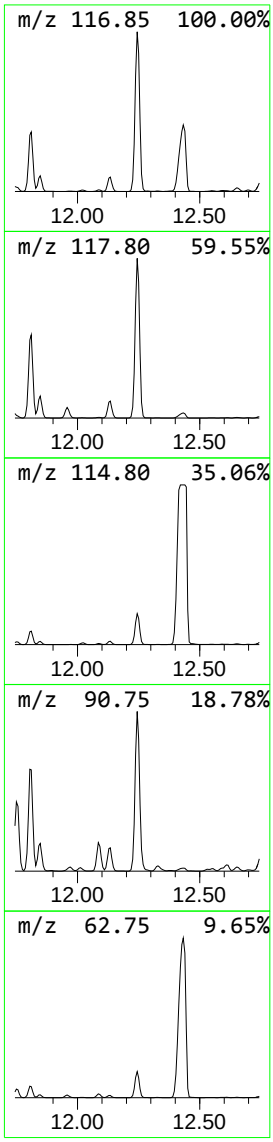
****

Peak Number 3 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.244	731.54 ug/l	19788400	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	76
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	68
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047445.D
Acq On : 20 Aug 2025 16:09
Operator : JC/MD
Sample : Q2900-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

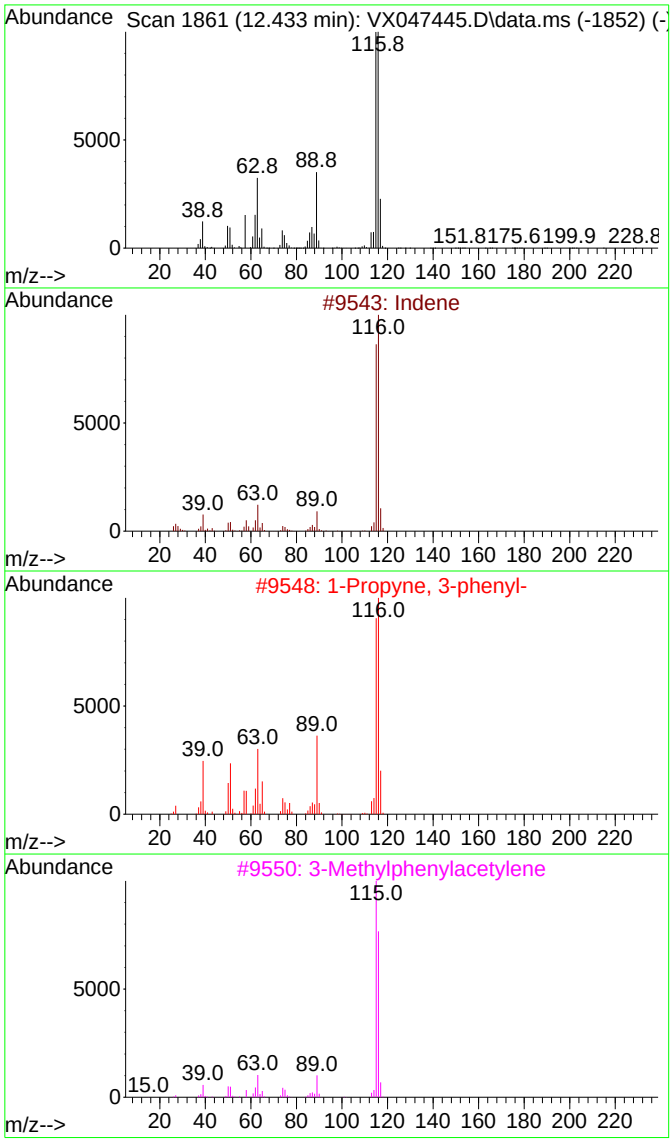
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

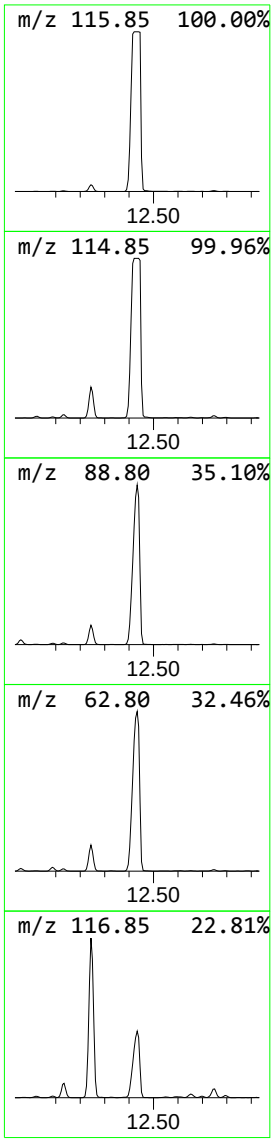
****

Peak Number 4 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.433	3563.00 ug/l	96380200	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	94
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	90
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	80
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047445.D
Acq On : 20 Aug 2025 16:09
Operator : JC/MD
Sample : Q2900-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825

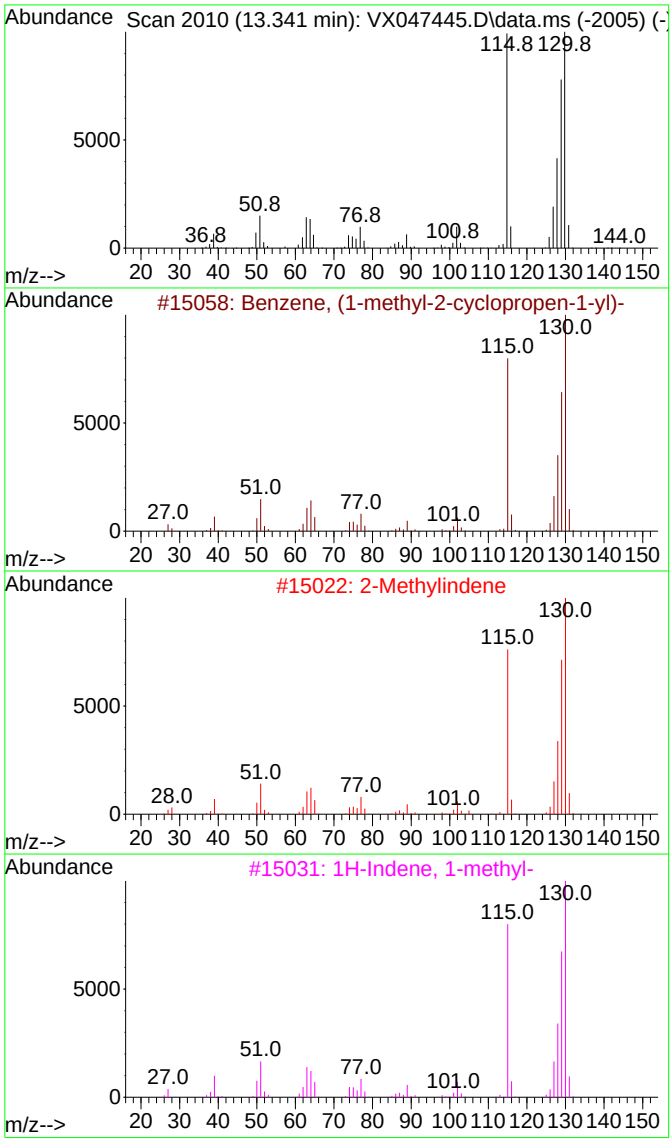
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

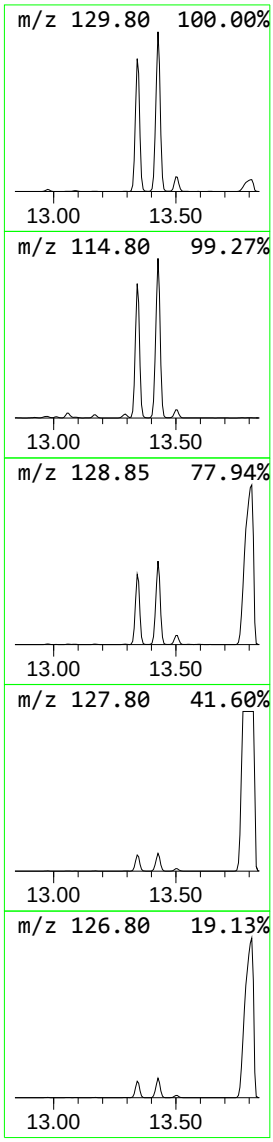
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.341	468.44 ug/l	12671600	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	97
2	2-Methylindene	130	C10H10	002177-47-1	97
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	95
5	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047445.D
Acq On : 20 Aug 2025 16:09
Operator : JC/MD
Sample : Q2900-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

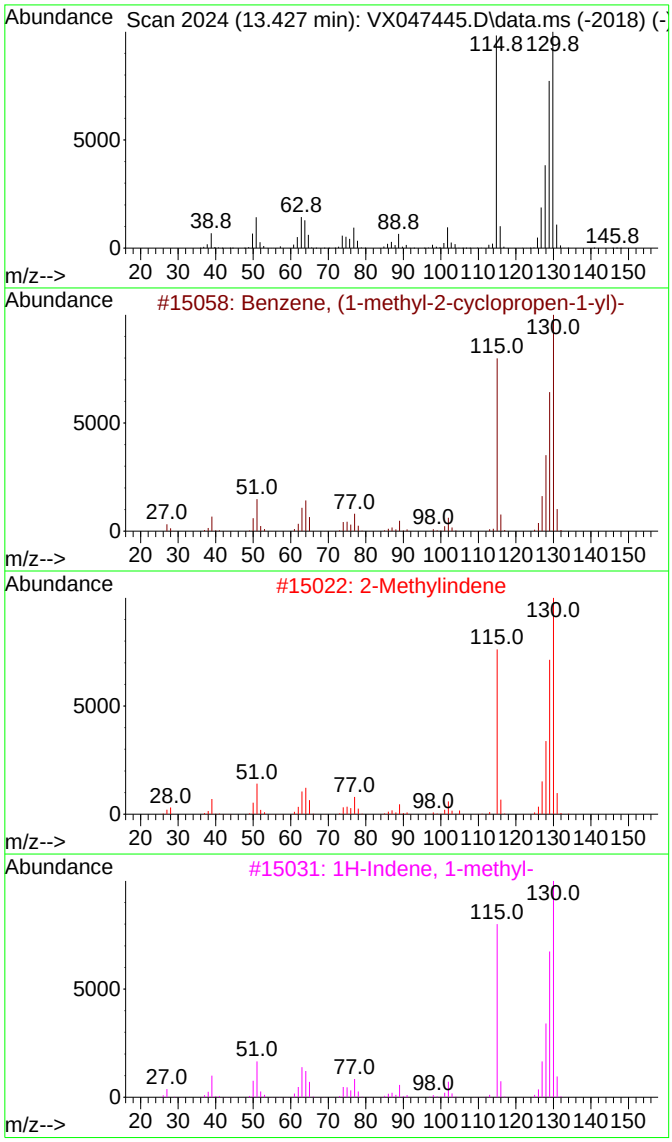
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

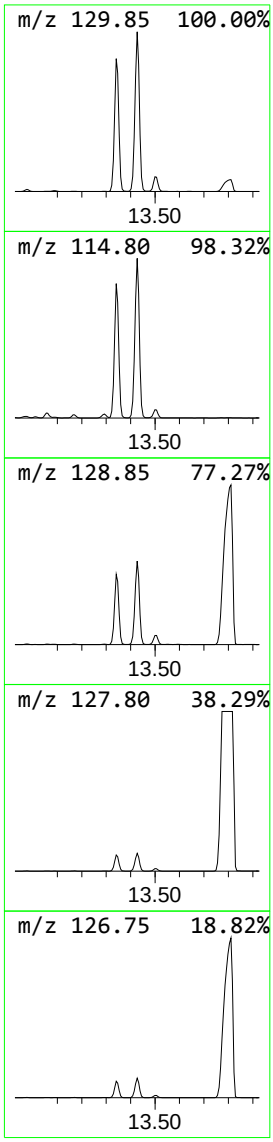
****

Peak Number 6 2-Methylindene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.427	573.64 ug/l	15517200	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	97
2	2-Methylindene	130	C10H10	002177-47-1	97
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	96
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047445.D
Acq On : 20 Aug 2025 16:09
Operator : JC/MD
Sample : Q2900-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

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

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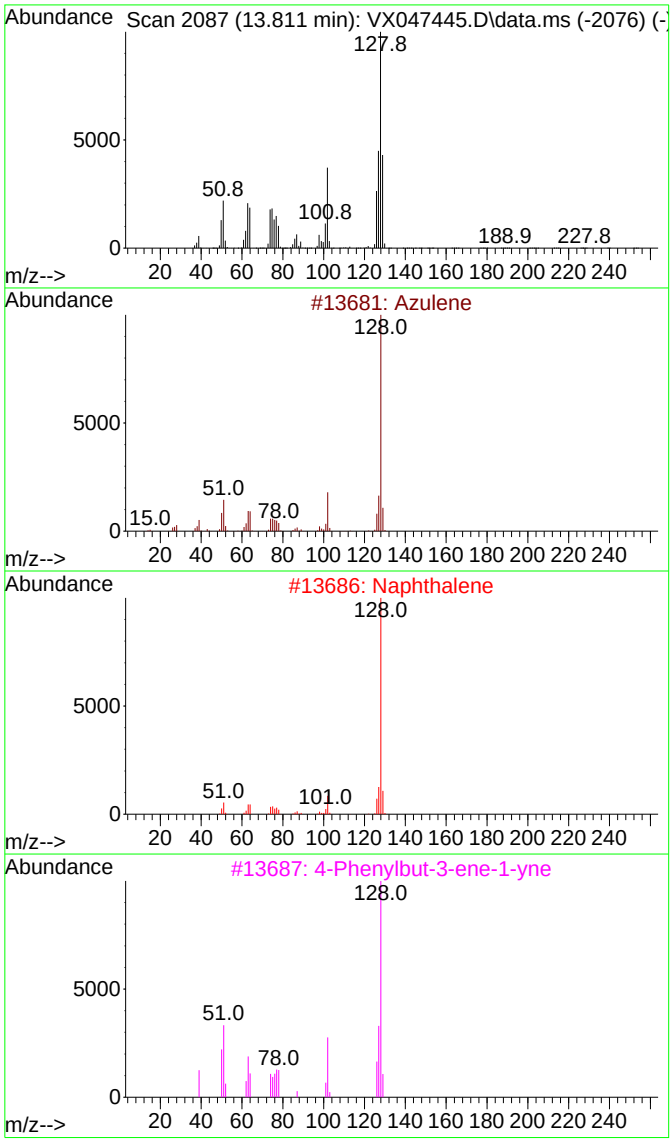
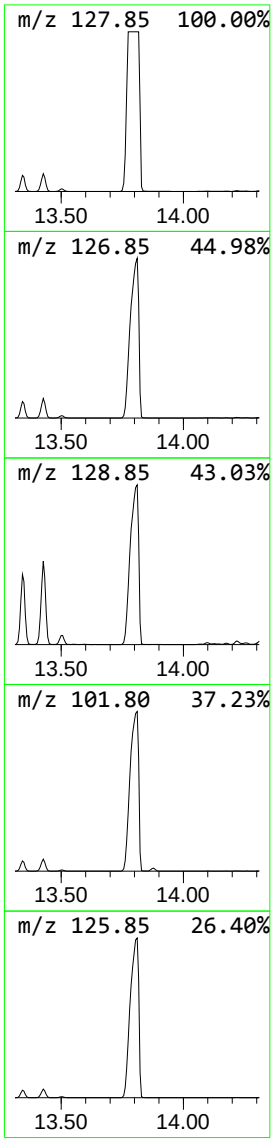
Peak Number 7 Azulene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.811	4712.59 ug/l	127477000	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene	128	C10H8	000275-51-4	93
2	Naphthalene	128	C10H8	000091-20-3	93
3	4-Phenylbut-3-ene-1-yne	128	C10H8	1000222-12-0	90
4	[4.2.2]Propella-2,4,7,9-tetraene	128	C10H8	088090-34-0	47
5	4a,8a-(Methaniminomethano)naphth...	275	C18H13NO2	069915-10-2	37





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047445.D
Acq On : 20 Aug 2025 16:09
Operator : JC/MD
Sample : Q2900-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

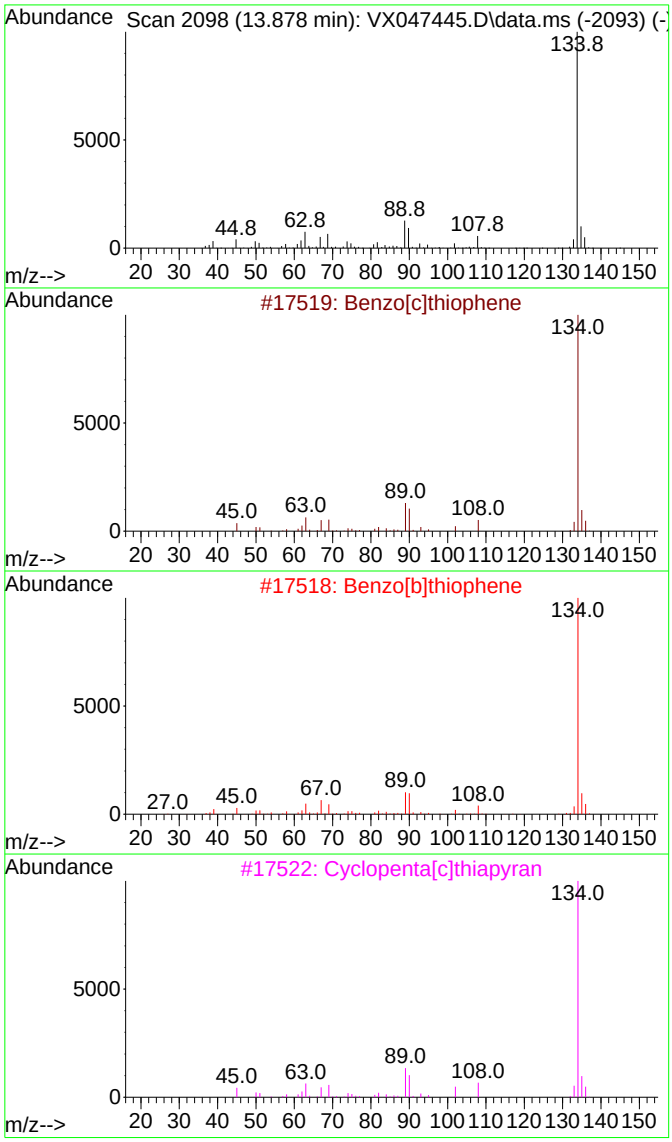
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

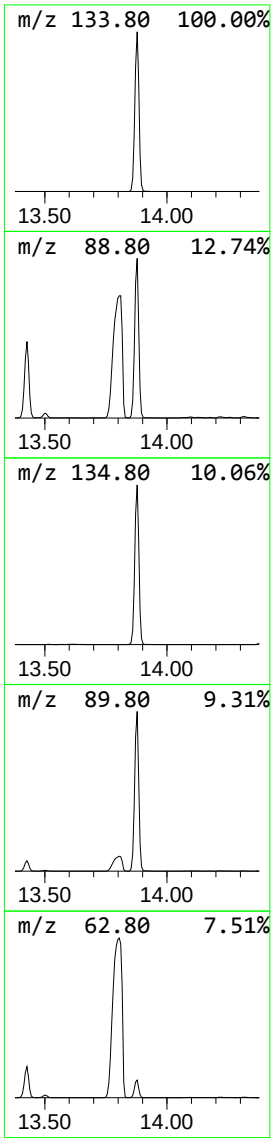
****

Peak Number 8 Benzo[c]thiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.878	259.59 ug/l	7021860	1,4-Dichlorobenzene-d4	12.024

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	94
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
4	[1]Benzothieno[2',3':3,4]cyclobu...	246	C13H10O3S	034002-19-2	56
5	Thiazolidin-4-one, 5-benzylideno...	287	C13H9N3OS2	351062-07-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047445.D
Acq On : 20 Aug 2025 16:09
Operator : JC/MD
Sample : Q2900-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825

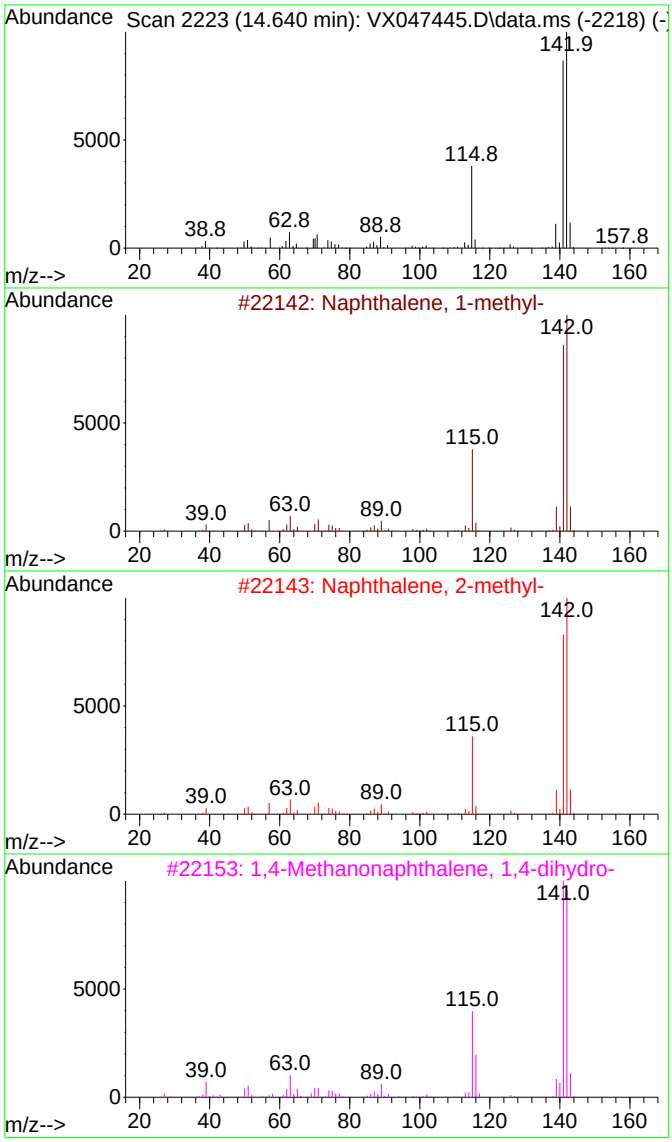
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

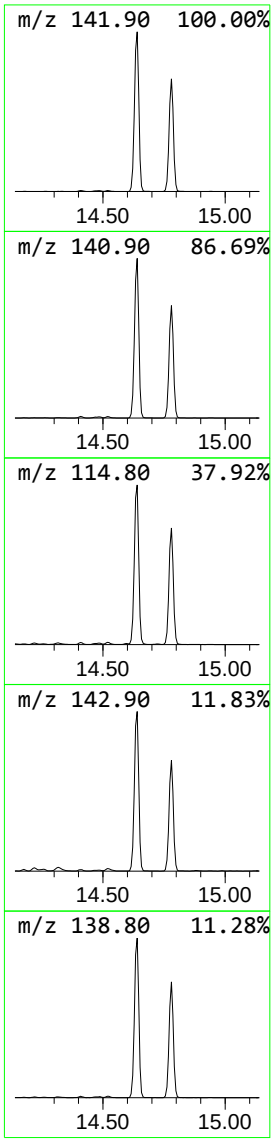
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.640	630.79 ug/l	17063200	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047445.D
Acq On : 20 Aug 2025 16:09
Operator : JC/MD
Sample : Q2900-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.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-ethy...	11.378	521.6	ug/l	14110300	4	12.024	1352510	50.0
Benzene, 1-ethe...	11.811	331.8	ug/l	8974370	4	12.024	1352510	50.0
Indane	12.244	731.5	ug/l	19788400	4	12.024	1352510	50.0
Indene	12.433	3563.0	ug/l	96380200	4	12.024	1352510	50.0
Benzene, (1-met...	13.341	468.4	ug/l	12671600	4	12.024	1352510	50.0
2-Methylindene	13.427	573.6	ug/l	15517200	4	12.024	1352510	50.0
Azulene	13.811	4712.6	ug/l	127477000	4	12.024	1352510	50.0
Benzo[c]thiophene	13.878	259.6	ug/l	7021860	4	12.024	1352510	50.0
Naphthalene, 1-...	14.640	630.8	ug/l	17063200	4	12.024	1352510	50.0

Raw Data: **VX047464.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:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	DUP-01-081825DL	SDG No.:	Q2900
Lab Sample ID:	Q2900-03DL	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
VX047464.D	50	08/21/25 13:04	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	250	UD	11.0	250	ug/L
74-87-3	Chloromethane	250	UD	16.0	250	ug/L
75-01-4	Vinyl Chloride	54.3	JD	13.0	250	ug/L
74-83-9	Bromomethane	250	UD	72.0	250	ug/L
75-00-3	Chloroethane	250	UD	23.5	250	ug/L
75-69-4	Trichlorofluoromethane	250	UD	16.5	250	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	250	UD	12.5	250	ug/L
75-35-4	1,1-Dichloroethene	250	UD	11.5	250	ug/L
67-64-1	Acetone	85.8	JD	75.5	1300	ug/L
75-15-0	Carbon Disulfide	250	UD	10.5	250	ug/L
1634-04-4	Methyl tert-butyl Ether	250	UD	8.00	250	ug/L
79-20-9	Methyl Acetate	250	UD	13.5	250	ug/L
75-09-2	Methylene Chloride	250	UD	14.0	250	ug/L
156-60-5	trans-1,2-Dichloroethene	330	D	11.5	250	ug/L
75-34-3	1,1-Dichloroethane	250	UD	11.5	250	ug/L
110-82-7	Cyclohexane	250	UD	72.5	250	ug/L
78-93-3	2-Butanone	1300	UD	49.0	1300	ug/L
56-23-5	Carbon Tetrachloride	250	UD	12.5	250	ug/L
156-59-2	cis-1,2-Dichloroethene	340	D	9.50	250	ug/L
74-97-5	Bromochloromethane	250	UD	11.0	250	ug/L
67-66-3	Chloroform	250	UD	12.5	250	ug/L
71-55-6	1,1,1-Trichloroethane	250	UD	10.0	250	ug/L
108-87-2	Methylcyclohexane	250	UD	8.00	250	ug/L
71-43-2	Benzene	4300	D	7.50	250	ug/L
107-06-2	1,2-Dichloroethane	250	UD	11.0	250	ug/L
79-01-6	Trichloroethene	330	D	4.70	250	ug/L
78-87-5	1,2-Dichloropropane	250	UD	10.0	250	ug/L
75-27-4	Bromodichloromethane	250	UD	11.0	250	ug/L
108-10-1	4-Methyl-2-Pentanone	1300	UD	34.0	1300	ug/L
108-88-3	Toluene	4400	D	7.00	250	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:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	DUP-01-081825DL	SDG No.:	Q2900
Lab Sample ID:	Q2900-03DL	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
VX047464.D	50	08/21/25 13:04	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	250	UD	8.50	250	ug/L
10061-01-5	cis-1,3-Dichloropropene	250	UD	8.00	250	ug/L
79-00-5	1,1,2-Trichloroethane	250	UD	10.5	250	ug/L
591-78-6	2-Hexanone	1300	UD	44.5	1300	ug/L
124-48-1	Dibromochloromethane	250	UD	9.00	250	ug/L
106-93-4	1,2-Dibromoethane	250	UD	7.50	250	ug/L
127-18-4	Tetrachloroethene	240	JD	11.5	250	ug/L
108-90-7	Chlorobenzene	250	UD	6.00	250	ug/L
100-41-4	Ethyl Benzene	1800	D	6.50	250	ug/L
179601-23-1	m/p-Xylenes	1500	D	12.0	500	ug/L
95-47-6	o-Xylene	1000	D	6.00	250	ug/L
100-42-5	Styrene	1200	D	7.50	250	ug/L
75-25-2	Bromoform	250	UD	9.50	250	ug/L
98-82-8	Isopropylbenzene	30.0	JD	6.00	250	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	250	UD	13.0	250	ug/L
541-73-1	1,3-Dichlorobenzene	250	UD	8.00	250	ug/L
106-46-7	1,4-Dichlorobenzene	250	UD	9.50	250	ug/L
95-50-1	1,2-Dichlorobenzene	250	UD	8.00	250	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	250	UD	26.5	250	ug/L
120-82-1	1,2,4-Trichlorobenzene	250	UD	10.0	250	ug/L
87-61-6	1,2,3-Trichlorobenzene	250	UD	10.0	250	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.8		74 - 125	120%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	49.7		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.6		77 - 121	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	217000	5.568			
540-36-3	1,4-Difluorobenzene	445000	6.769			
3114-55-4	Chlorobenzene-d5	447000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	233000	12.018			

Raw Data: **VX047464.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:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	DUP-01-081825DL	SDG No.:	Q2900
Lab Sample ID:	Q2900-03DL	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
VX047464.D	50	08/21/25 13:04	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047464.D
Acq On : 21 Aug 2025 13:04
Operator : JC/MD
Sample : Q2900-03DL 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825DL

Quant Time: Aug 22 03:44:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

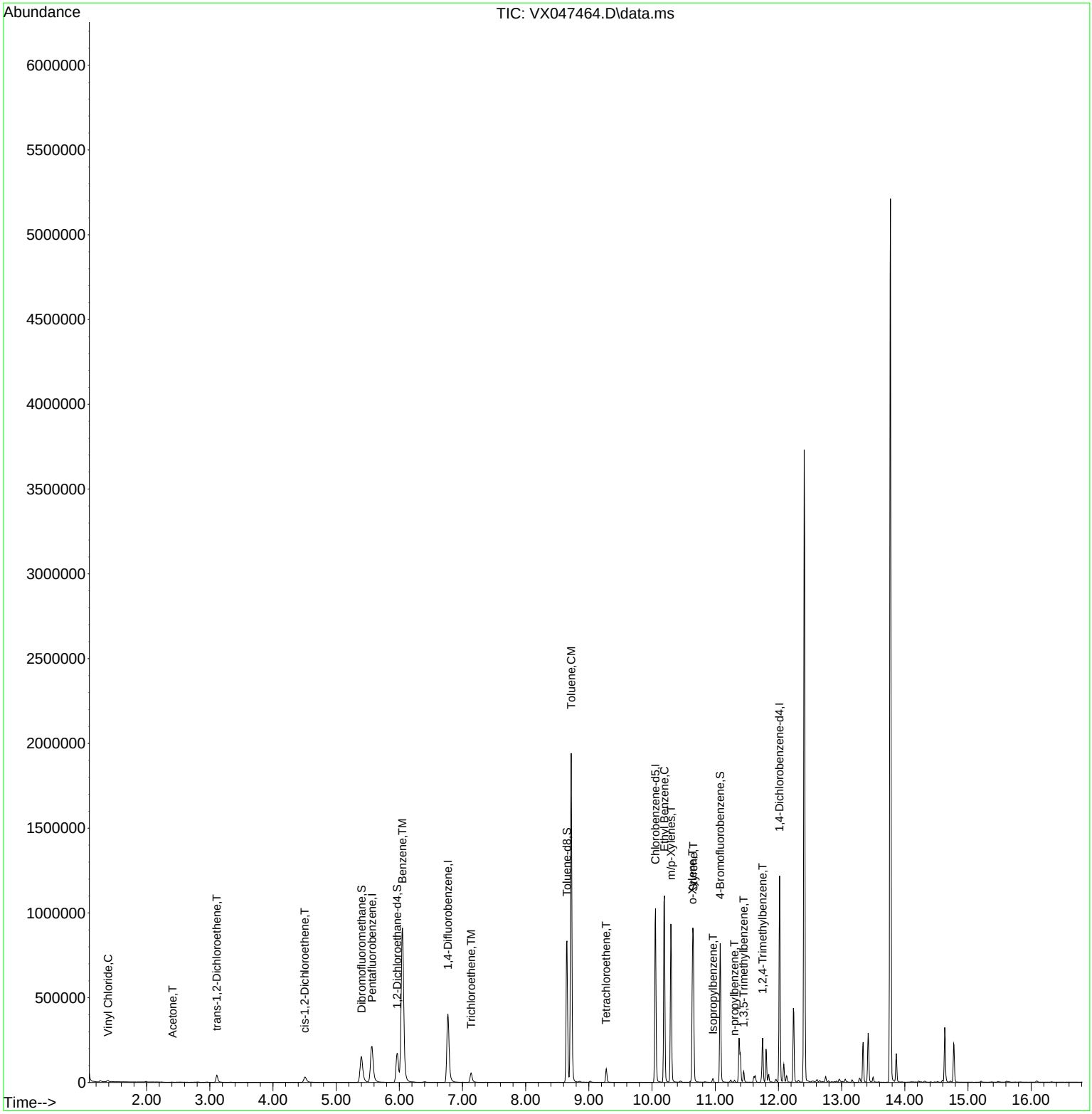
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	216774	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	445116	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	446806	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	233270	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	181373	59.784	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 119.560%#			
35) Dibromofluoromethane	5.403	113	146059	50.560	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.120%			
50) Toluene-d8	8.653	98	512748	49.658	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.320%			
62) 4-Bromofluorobenzene	11.079	95	215849	56.649	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.300%			
Target Compounds						Qvalue
4) Vinyl Chloride	1.392	62	3390	1.086	ug/l #	79
16) Acetone	2.410	43	1956	1.715	ug/l	96
21) trans-1,2-Dichloroethene	3.111	96	19389	6.693	ug/l	97
27) cis-1,2-Dichloroethene	4.501	96	23101	6.847	ug/l	89
40) Benzene	6.049	78	1171994	85.862	ug/l	99
44) Trichloroethene	7.135	130	23237	6.649	ug/l	100
52) Toluene	8.720	92	735146	87.159	ug/l	100
64) Tetrachloroethene	9.274	164	15609	4.830	ug/l	96
67) Ethyl Benzene	10.195	91	656129	35.903	ug/l	98
68) m/p-Xylenes	10.299	106	209370	30.725	ug/l	98
69) o-Xylene	10.640	106	132353	20.183	ug/l	98
70) Styrene	10.652	104	260752	23.533	ug/l	98
73) Isopropylbenzene	10.963	105	10947	0.600	ug/l	96
78) n-propylbenzene	11.305	91	7568	0.347	ug/l #	54
80) 1,3,5-Trimethylbenzene	11.451	105	29954	1.994	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	114314	7.611	ug/l	98

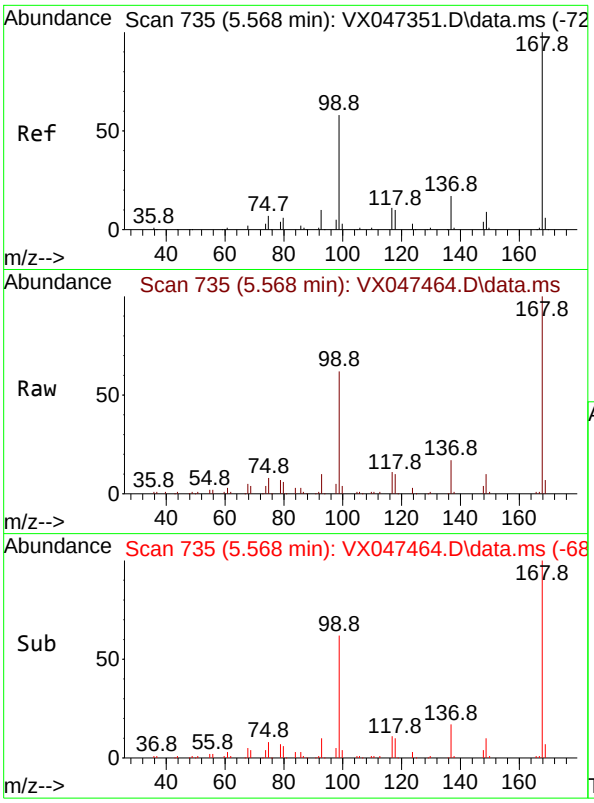
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047464.D
Acq On : 21 Aug 2025 13:04
Operator : JC/MD
Sample : Q2900-03DL 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825DL

Quant Time: Aug 22 03:44:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



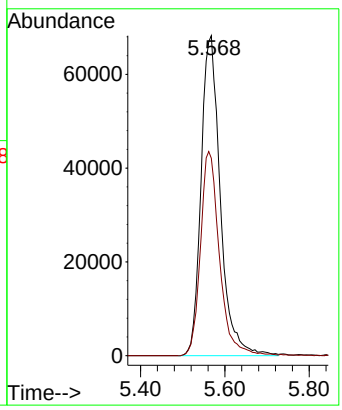


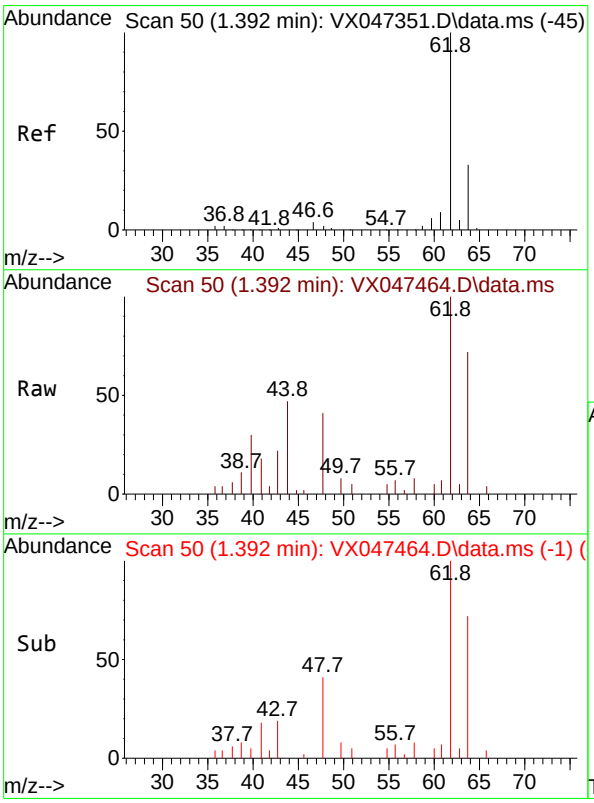
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047464.D
Acq: 21 Aug 2025 13:04

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825DL

Tgt Ion:168 Resp: 216774

Ion	Ratio	Lower	Upper
168	100		
99	61.7	47.9	71.9

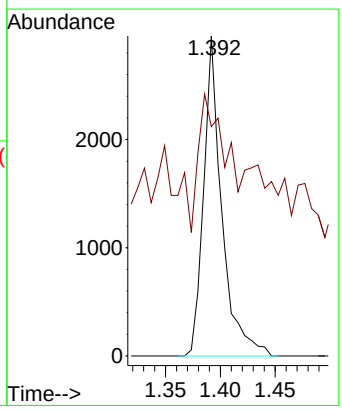


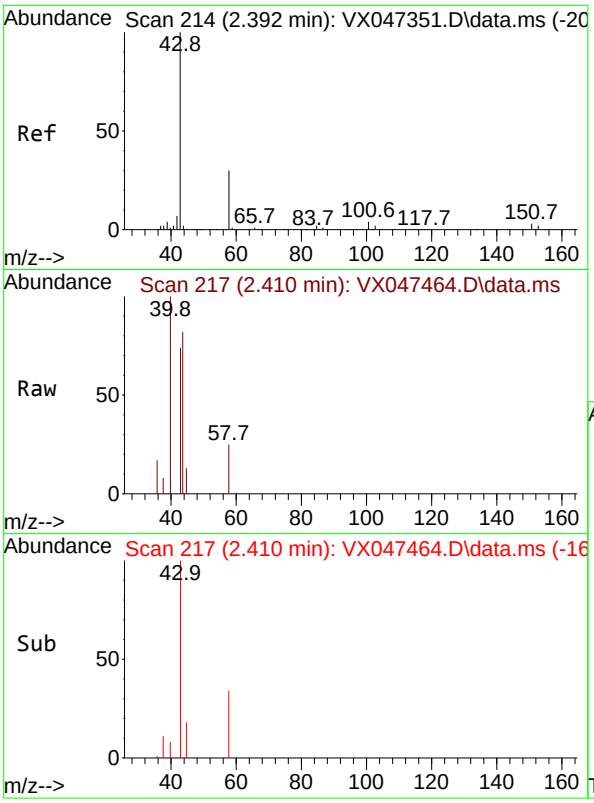


#4
Vinyl Chloride
Concen: 1.086 ug/l
RT: 1.392 min Scan# 50
Delta R.T. -0.000 min
Lab File: VX047464.D
Acq: 21 Aug 2025 13:04

Tgt Ion: 62 Resp: 3390

Ion	Ratio	Lower	Upper
62	100		
64	21.5	26.5	39.7#



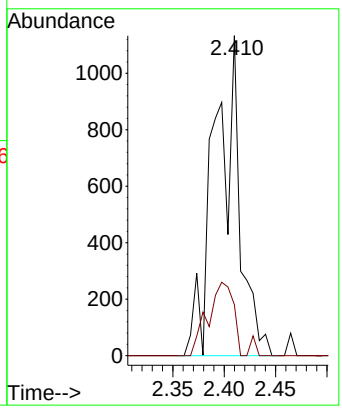


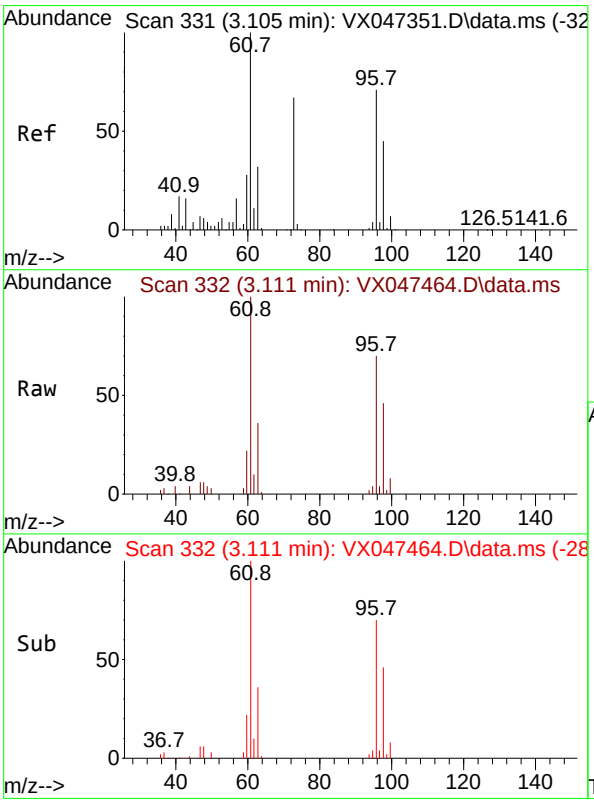
#16
Acetone
Concen: 1.715 ug/l
RT: 2.410 min Scan# 21
Delta R.T. 0.018 min
Lab File: VX047464.D
Acq: 21 Aug 2025 13:04

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825DL

Tgt Ion: 43 Resp: 1956

Ion	Ratio	Lower	Upper
43	100		
58	28.9	24.8	37.2

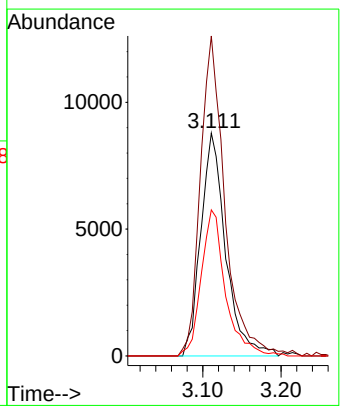


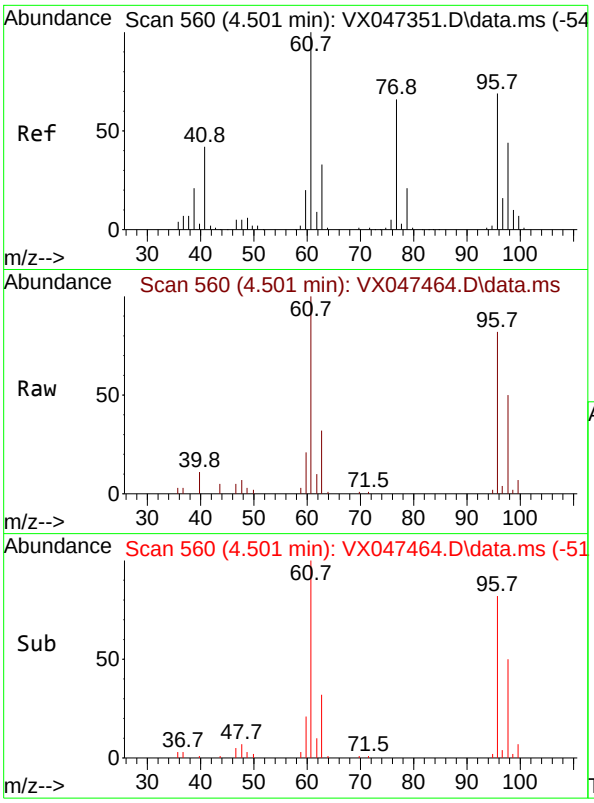


#21
trans-1,2-Dichloroethene
Concen: 6.693 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.006 min
Lab File: VX047464.D
Acq: 21 Aug 2025 13:04

Tgt Ion: 96 Resp: 19389

Ion	Ratio	Lower	Upper
96	100		
61	136.3	112.6	169.0
98	65.4	50.9	76.3



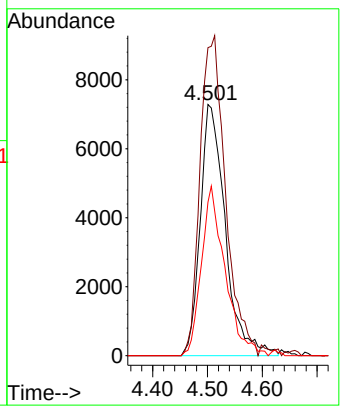


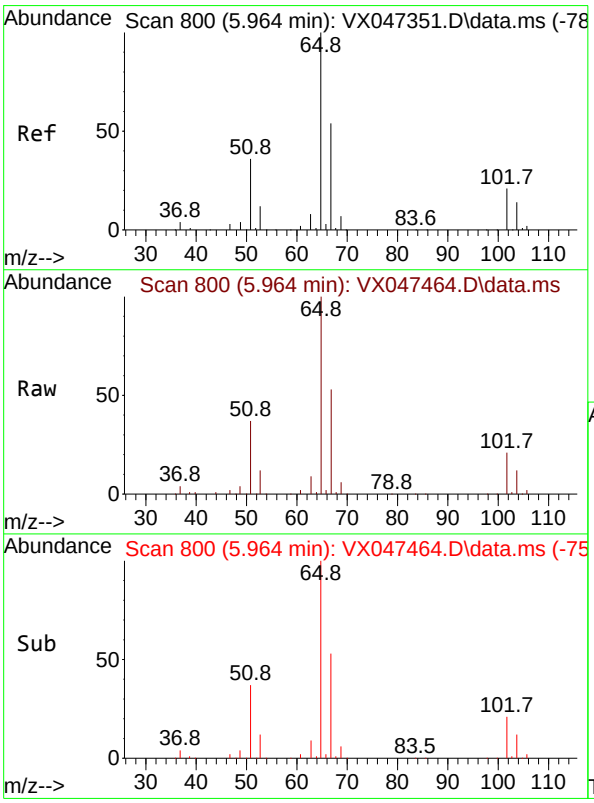
#27
cis-1,2-Dichloroethene
Concen: 6.847 ug/l
RT: 4.501 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047464.D
Acq: 21 Aug 2025 13:04

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825DL

Tgt Ion: 96 Resp: 23101

Ion	Ratio	Lower	Upper
96	100		
61	129.6	0.0	296.6
98	63.8	0.0	130.4

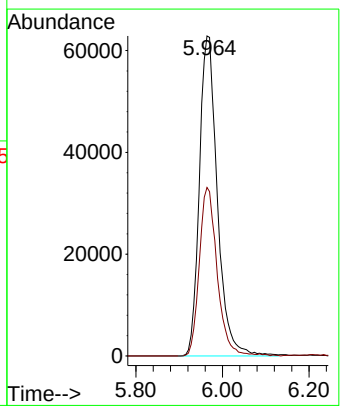


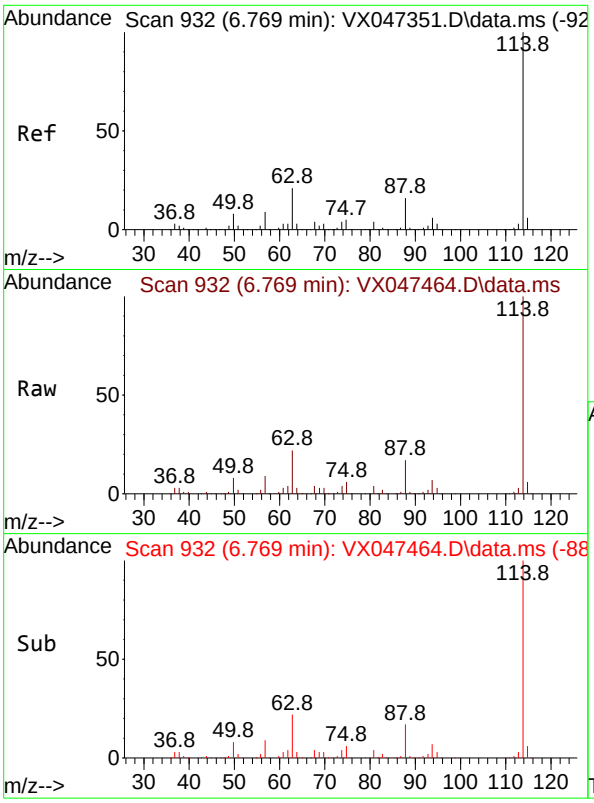


#33
1,2-Dichloroethane-d4
Concen: 59.784 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX047464.D
Acq: 21 Aug 2025 13:04

Tgt Ion: 65 Resp: 181373

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	106.0



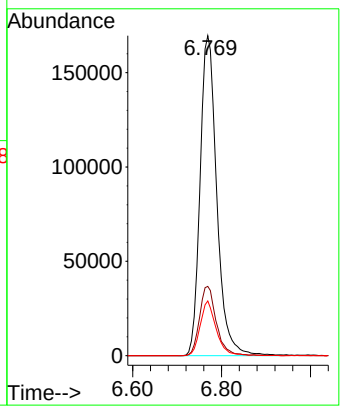


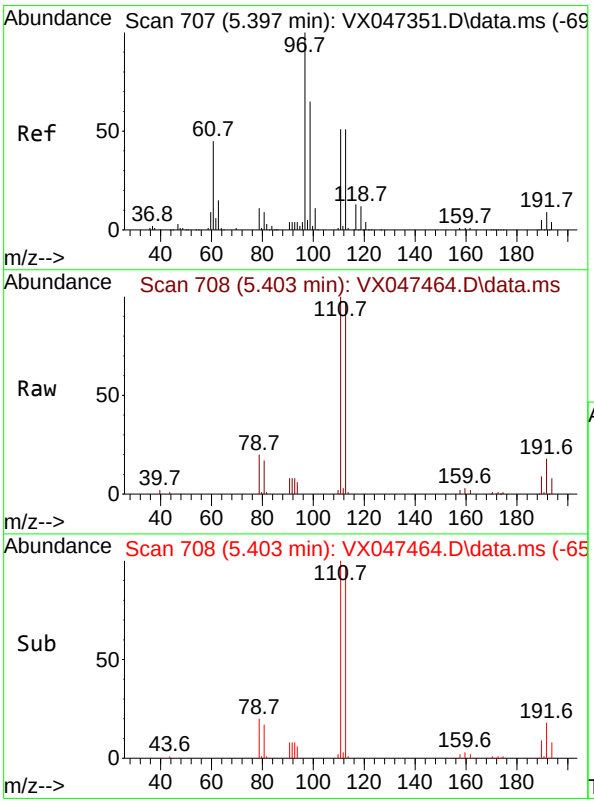
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047464.D
Acq: 21 Aug 2025 13:04

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825DL

Tgt Ion:114 Resp: 445116

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	42.4
88	17.1	0.0	33.0

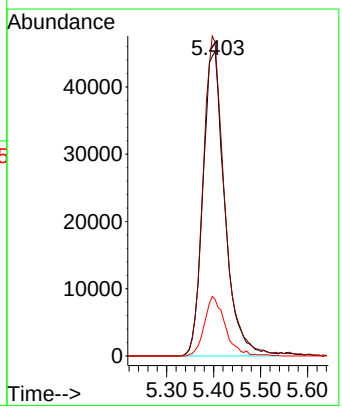


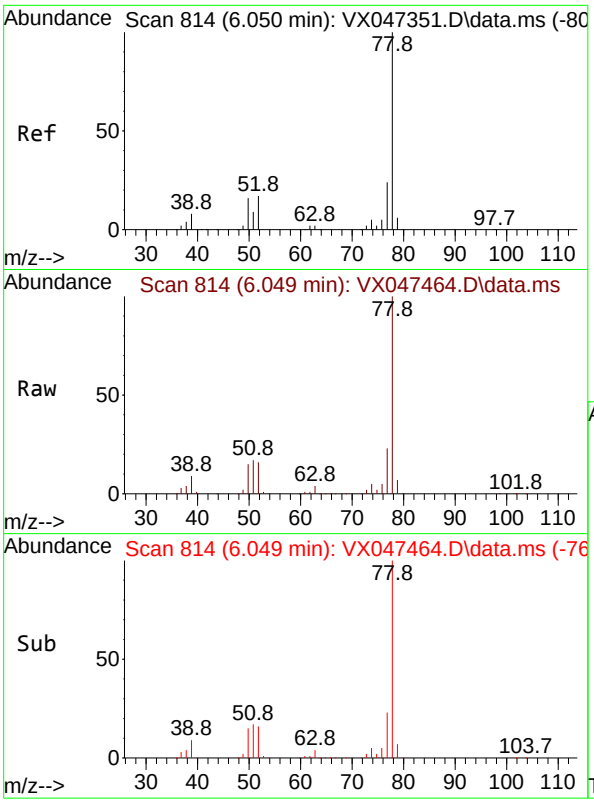


#35
Dibromofluoromethane
Concen: 50.560 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047464.D
Acq: 21 Aug 2025 13:04

Tgt Ion:113 Resp: 146059

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.4	122.2
192	18.7	14.1	21.1



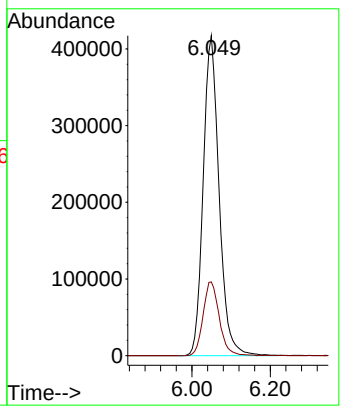


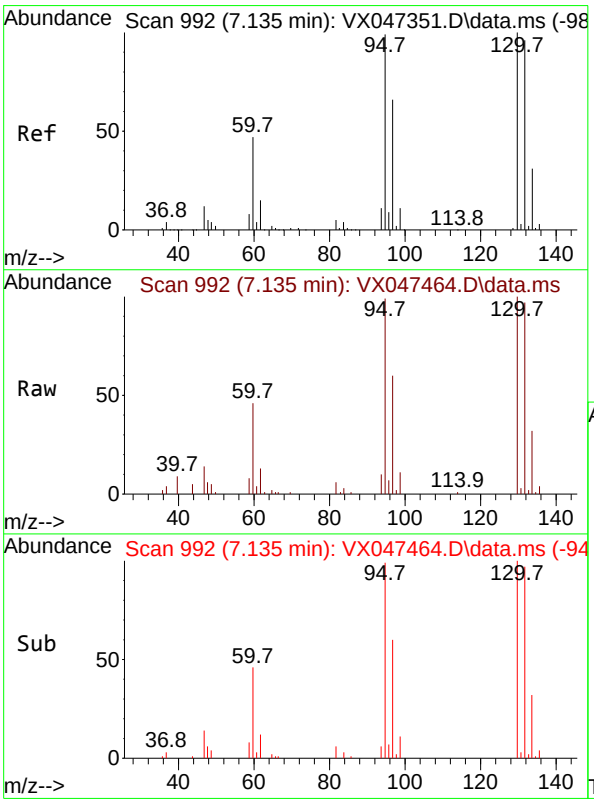
#40
Benzene
Concen: 85.862 ug/l
RT: 6.049 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX047464.D
Acq: 21 Aug 2025 13:04

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825DL

Tgt Ion: 78 Resp: 1171994

Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.0	28.4

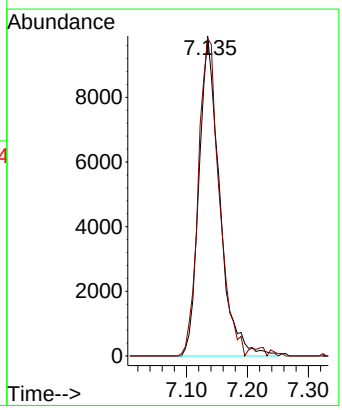


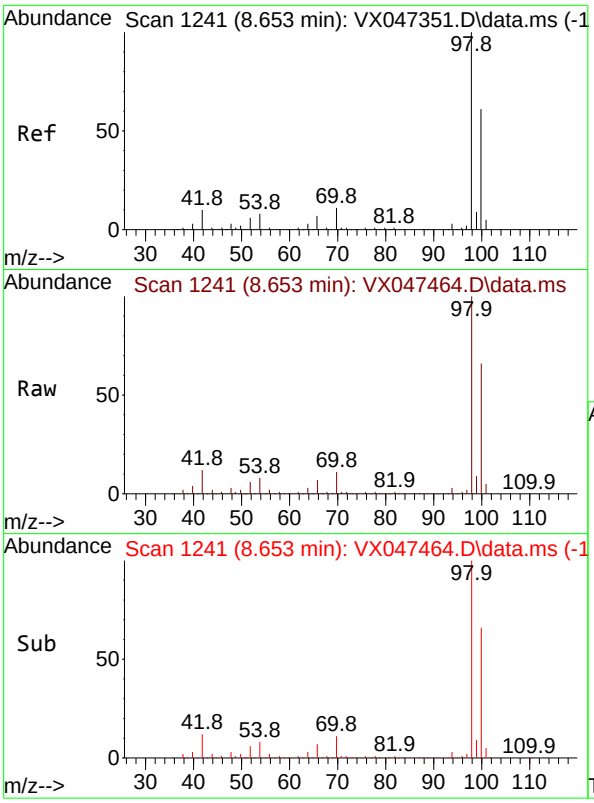


#44
Trichloroethene
Concen: 6.649 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.000 min
Lab File: VX047464.D
Acq: 21 Aug 2025 13:04

Tgt Ion:130 Resp: 23237

Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	198.6



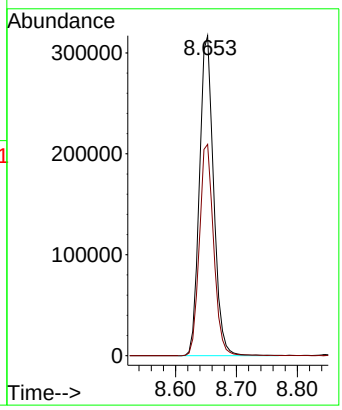


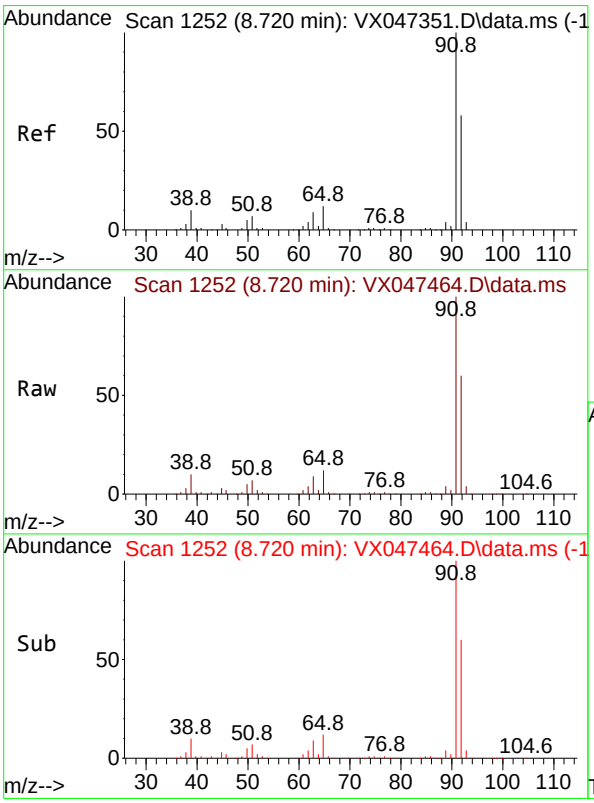
#50
Toluene-d8
Concen: 49.658 ug/l
RT: 8.653 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047464.D
Acq: 21 Aug 2025 13:04

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825DL

Tgt Ion: 98 Resp: 512748

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.9	80.9

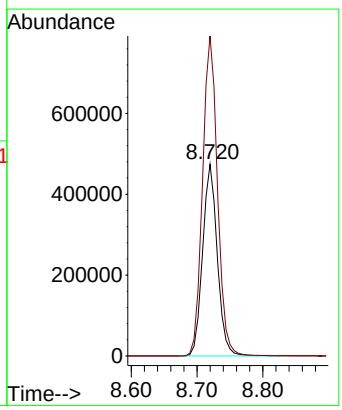


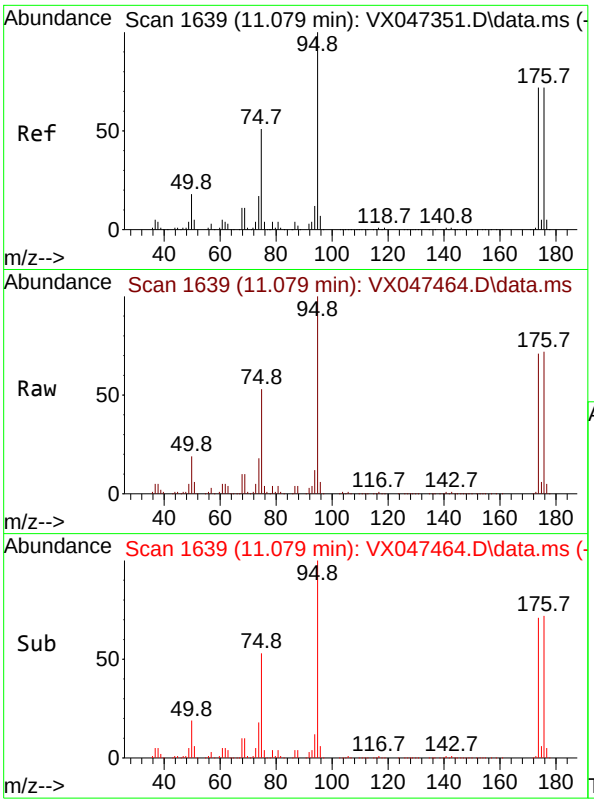


#52
Toluene
Concen: 87.159 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX047464.D
Acq: 21 Aug 2025 13:04

Tgt Ion: 92 Resp: 735146

Ion	Ratio	Lower	Upper
92	100		
91	170.1	136.3	204.5



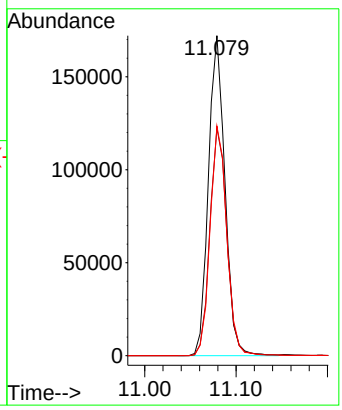


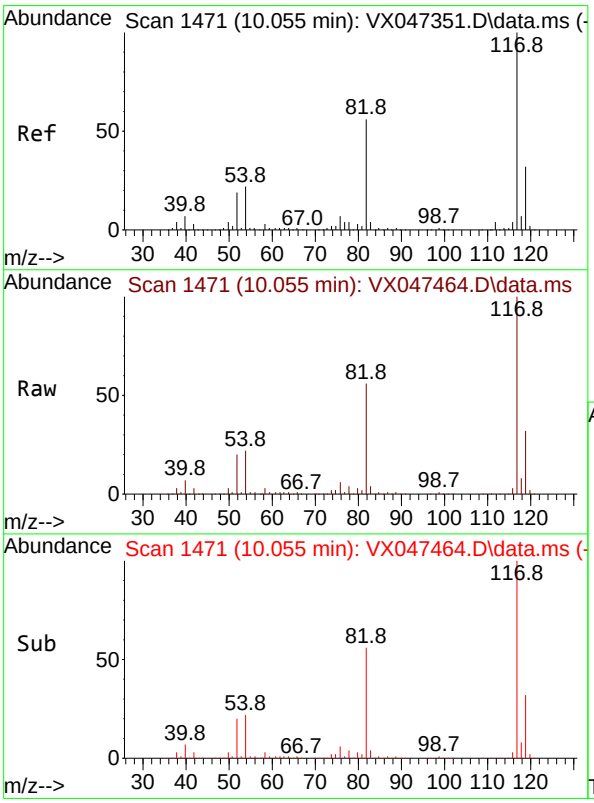
#62
4-Bromofluorobenzene
Concen: 56.649 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047464.D
Acq: 21 Aug 2025 13:04

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825DL

Tgt Ion: 95 Resp: 215849

Ion	Ratio	Lower	Upper
95	100		
174	72.8	0.0	148.0
176	72.6	0.0	145.4

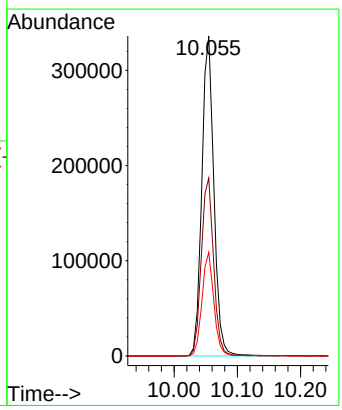


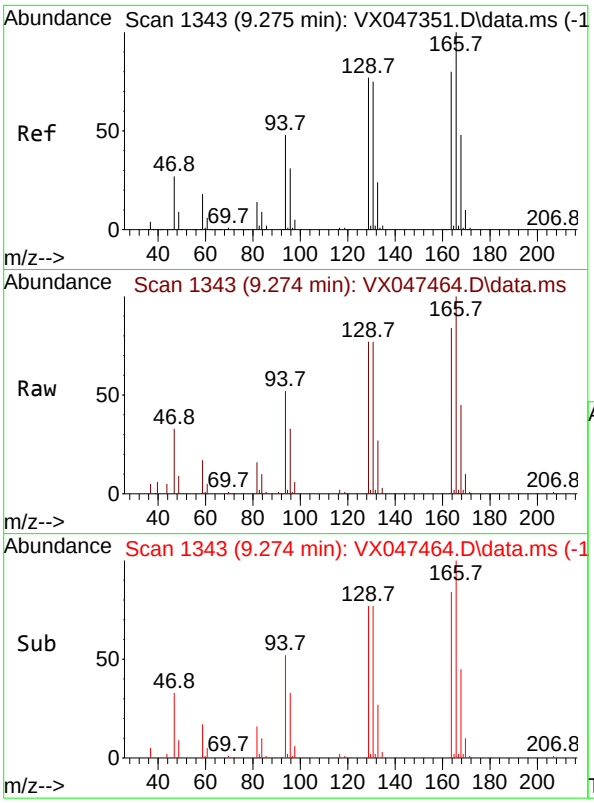


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX047464.D
Acq: 21 Aug 2025 13:04

Tgt Ion:117 Resp: 446806

Ion	Ratio	Lower	Upper
117	100		
82	55.6	45.0	67.4
119	32.4	25.8	38.8



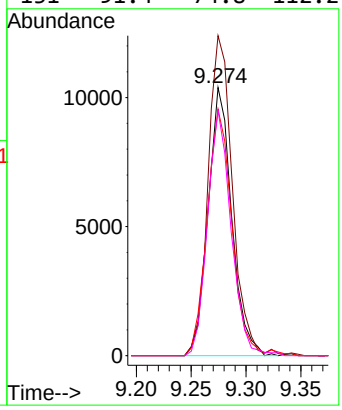


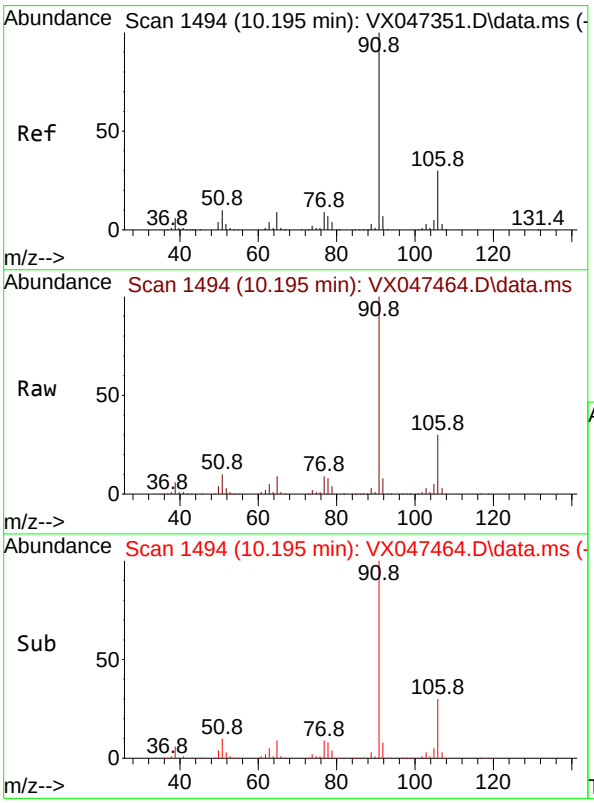
#64
Tetrachloroethene
Concen: 4.830 ug/l
RT: 9.274 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047464.D
Acq: 21 Aug 2025 13:04

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825DL

Tgt Ion:164 Resp: 15609

Ion	Ratio	Lower	Upper
164	100		
166	119.3	100.3	150.5
129	91.9	77.7	116.5
131	91.4	74.8	112.2

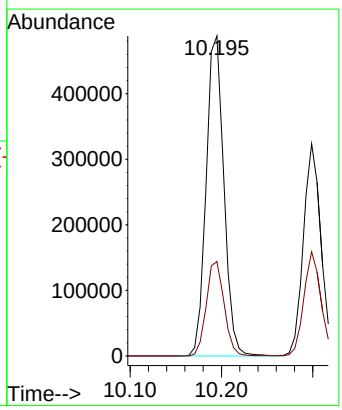


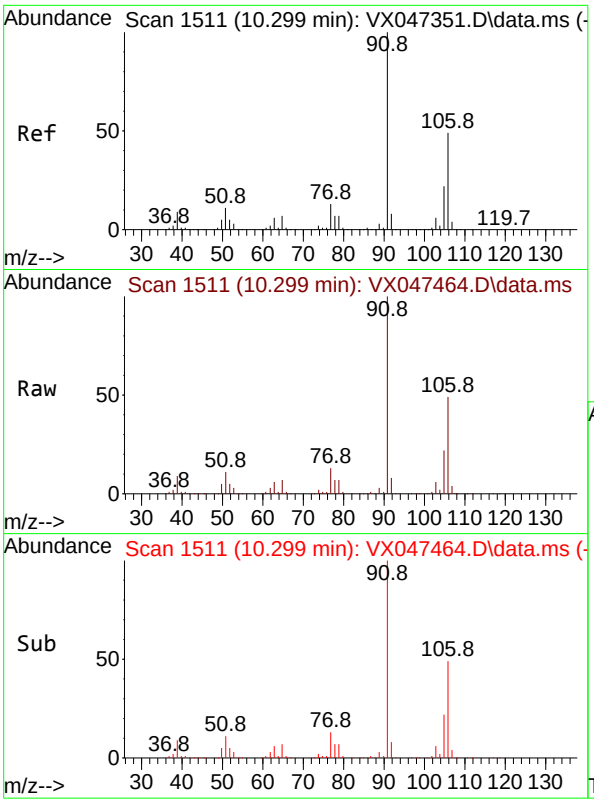


#67
Ethyl Benzene
Concen: 35.903 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX047464.D
Acq: 21 Aug 2025 13:04

Tgt Ion: 91 Resp: 656129

Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.4	36.6



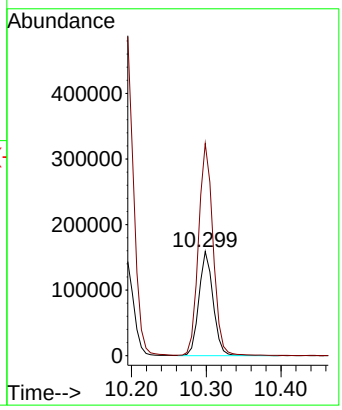


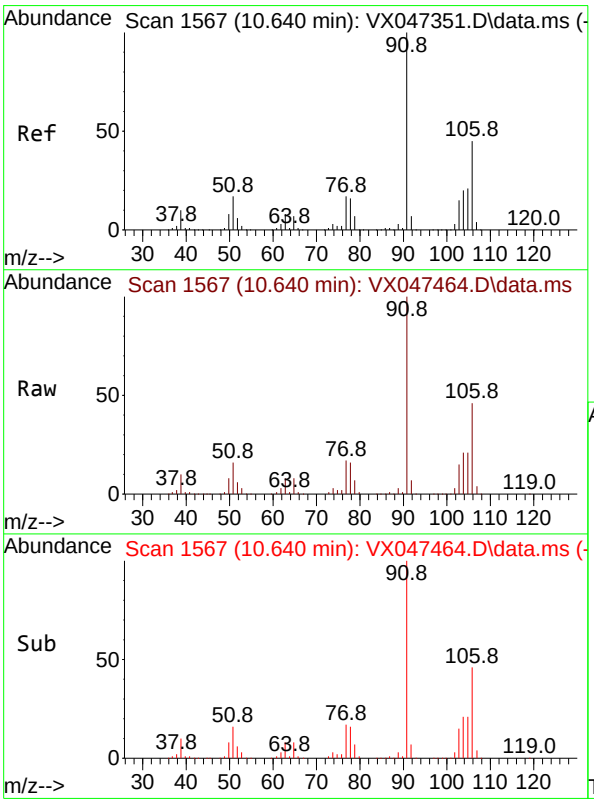
#68
m/p-Xylenes
Concen: 30.725 ug/l
RT: 10.299 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047464.D
Acq: 21 Aug 2025 13:04

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825DL

Tgt Ion:106 Resp: 209370

Ion	Ratio	Lower	Upper
106	100		
91	208.4	164.7	247.1

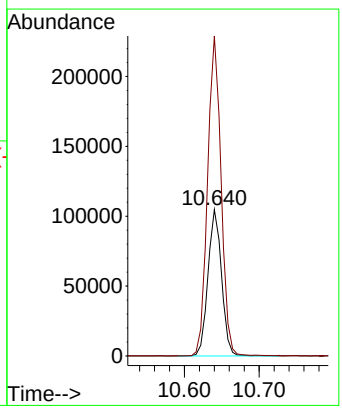


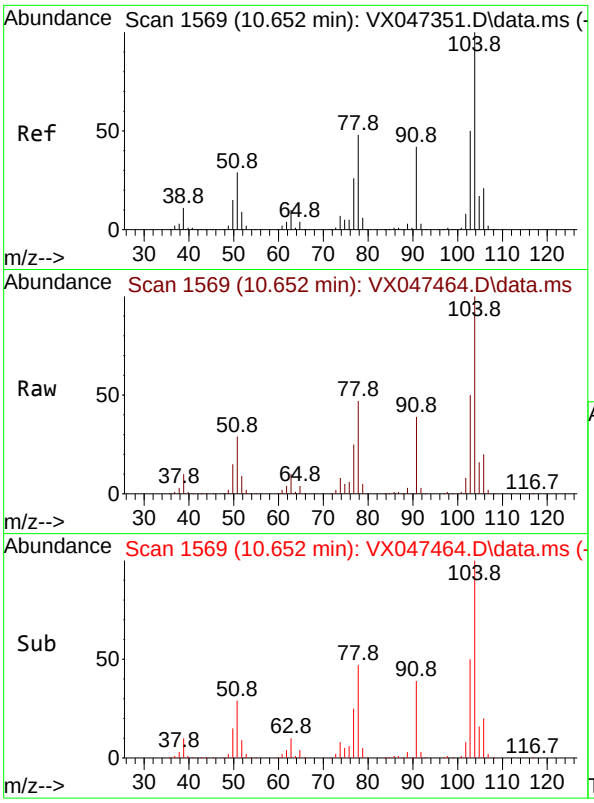


#69
o-Xylene
Concen: 20.183 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047464.D
Acq: 21 Aug 2025 13:04

Tgt Ion:106 Resp: 132353

Ion	Ratio	Lower	Upper
106	100		
91	218.1	110.6	331.8



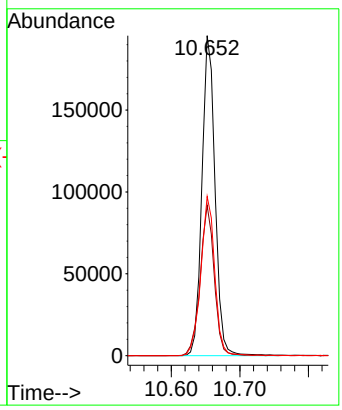


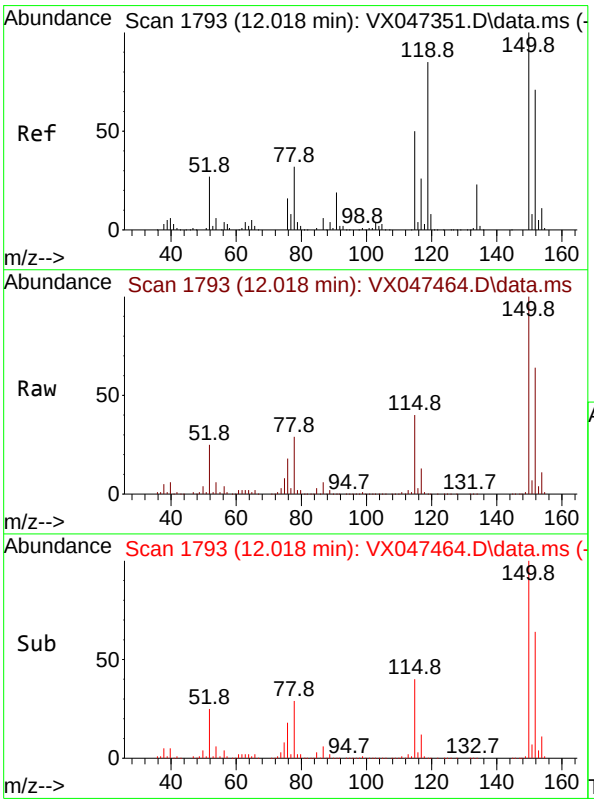
#70
Styrene
Concen: 23.533 ug/l
RT: 10.652 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047464.D
Acq: 21 Aug 2025 13:04

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825DL

Tgt Ion:104 Resp: 260752

Ion	Ratio	Lower	Upper
104	100		
78	50.4	41.8	62.8
103	53.0	43.6	65.4

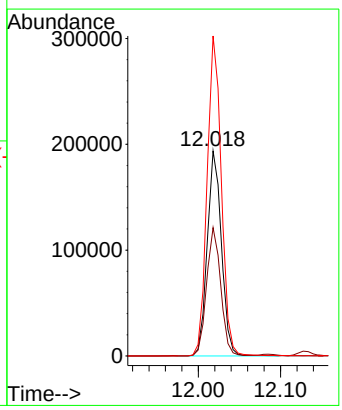


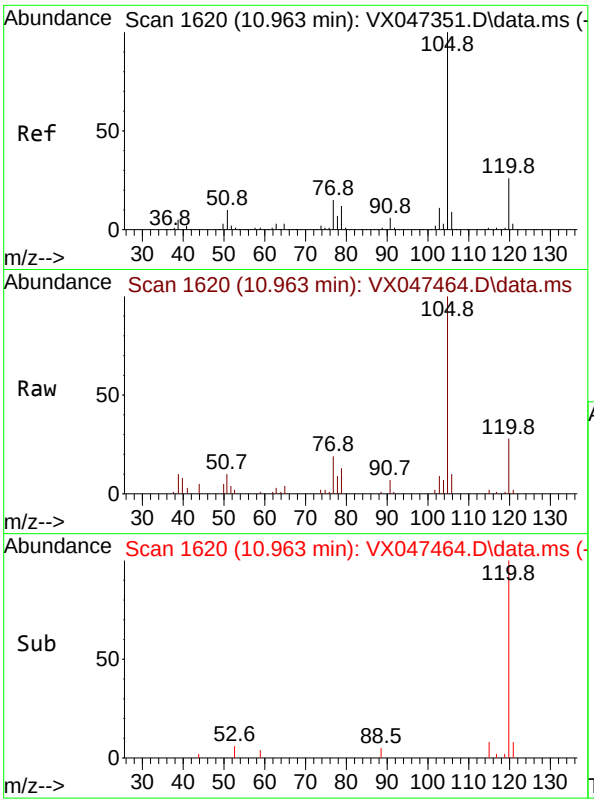


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX047464.D
Acq: 21 Aug 2025 13:04

Tgt Ion:152 Resp: 233270

Ion	Ratio	Lower	Upper
152	100		
115	62.1	44.6	133.8
150	155.9	0.0	349.8



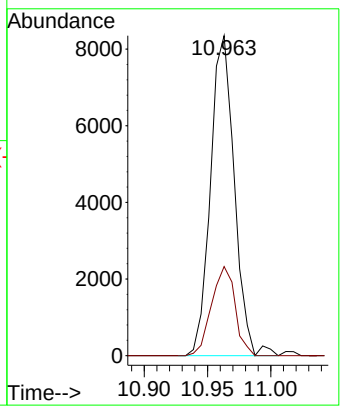


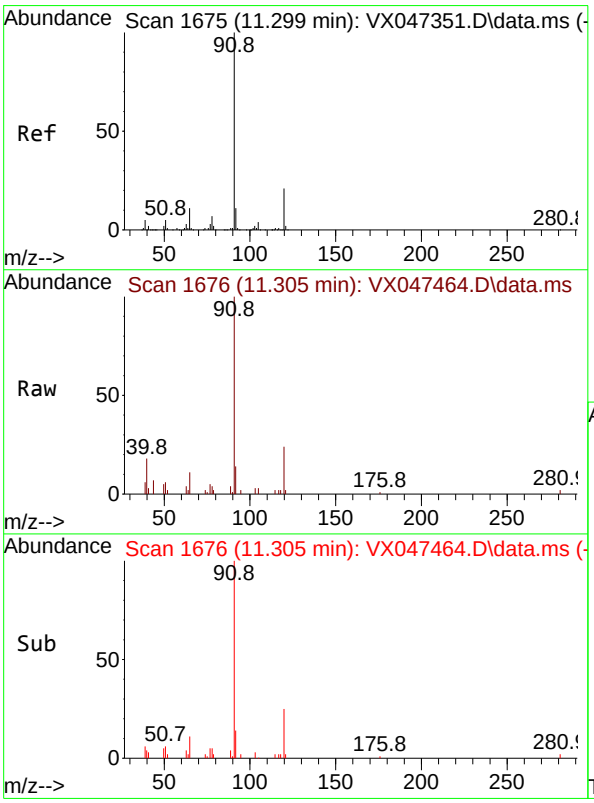
#73
Isopropylbenzene
Concen: 0.600 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047464.D
Acq: 21 Aug 2025 13:04

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825DL

Tgt Ion:105 Resp: 10947

Ion	Ratio	Lower	Upper
105	100		
120	27.5	12.9	38.6

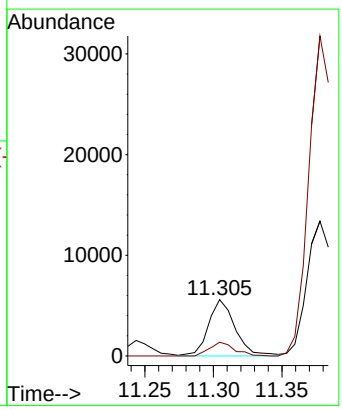


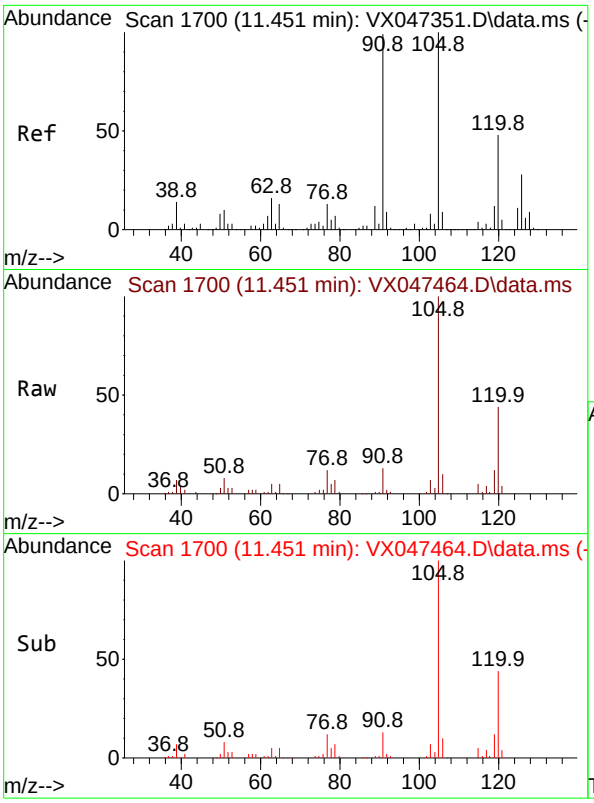


#78
n-propylbenzene
Concen: 0.347 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX047464.D
Acq: 21 Aug 2025 13:04

Tgt Ion: 91 Resp: 7568

Ion	Ratio	Lower	Upper
91	100		
120	0.0	11.0	33.0#



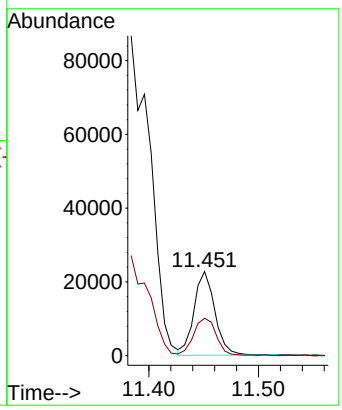


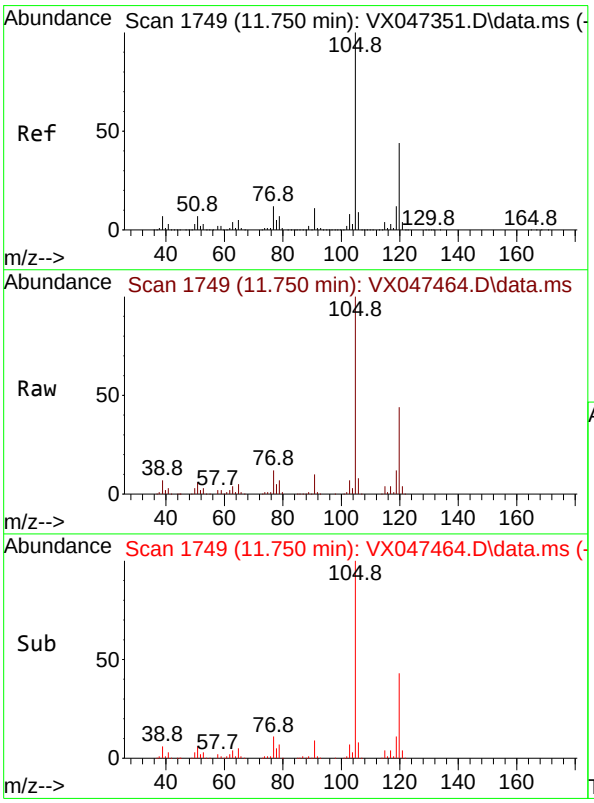
#80
1,3,5-Trimethylbenzene
Concen: 1.994 ug/l
RT: 11.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047464.D
Acq: 21 Aug 2025 13:04

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-081825DL

Tgt Ion:105 Resp: 29954

Ion	Ratio	Lower	Upper
105	100		
120	49.5	23.9	71.7

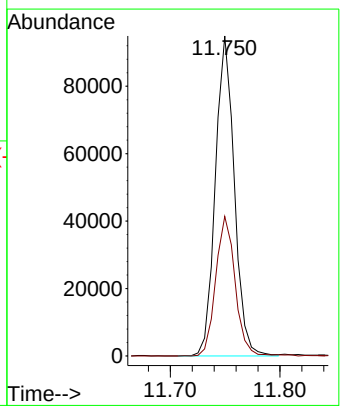




#84
1,2,4-Trimethylbenzene
Concen: 7.611 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX047464.D
Acq: 21 Aug 2025 13:04

Tgt Ion:105 Resp: 114314

Ion	Ratio	Lower	Upper
105	100		
120	44.9	21.9	65.7



Raw Data: **VX047474.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:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	MW-17B-081825	SDG No.:	Q2900
Lab Sample ID:	Q2900-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047474.D	1	08/21/25 16:35	VX082125

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	5.30	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	0.38	J	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	0.89	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	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: **VX047474.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:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	MW-17B-081825	SDG No.:	Q2900
Lab Sample ID:	Q2900-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047474.D	1	08/21/25 16:35	VX082125

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	60.3		74 - 125	121%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	49.0		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.3		77 - 121	117%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	198000	5.568			
540-36-3	1,4-Difluorobenzene	407000	6.769			
3114-55-4	Chlorobenzene-d5	410000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	216000	12.018			
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:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	MW-17B-081825	SDG No.:	Q2900
Lab Sample ID:	Q2900-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047474.D	1	08/21/25 16:35	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	85.3	J		1.26	ug/L

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047474.D
Acq On : 21 Aug 2025 16:35
Operator : JC/MD
Sample : Q2900-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-17B-081825

Quant Time: Aug 22 03:50:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	198174	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	406946	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	409661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	216444	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	167156	60.269	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 120.540%#			
35) Dibromofluoromethane	5.397	113	131933	49.953	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.900%			
50) Toluene-d8	8.653	98	462622	49.006	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.020%			
62) 4-Bromofluorobenzene	11.079	95	203070	58.294	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 116.580%			
Target Compounds						Qvalue
16) Acetone	2.398	43	5552	5.326	ug/l	94
20) Methylene Chloride	2.806	84	1045	0.379	ug/l #	89
30) Chloroform	5.117	83	4374	0.885	ug/l #	82

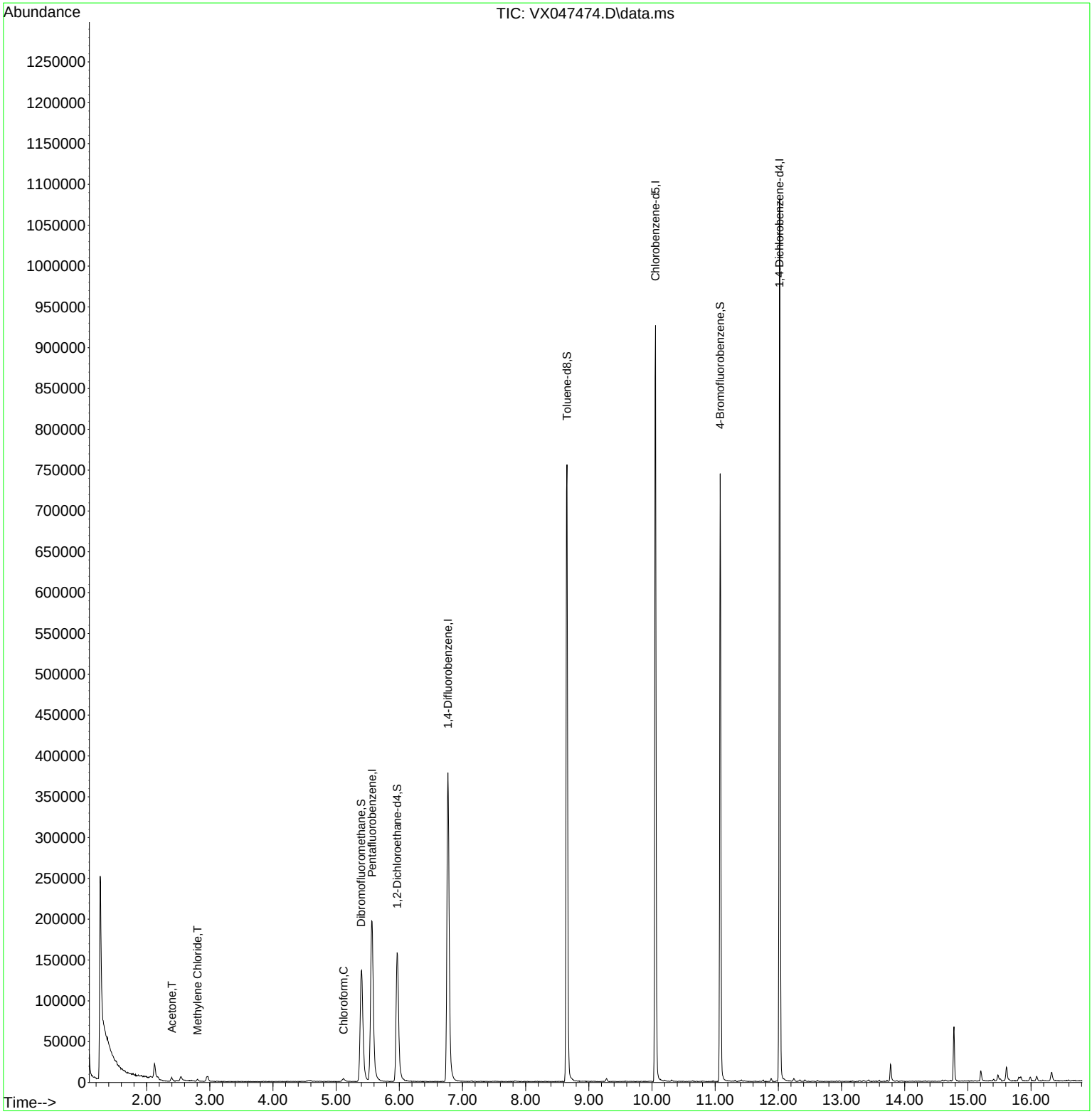
(#) = qualifier out of range (m) = manual integration (+) = signals summed

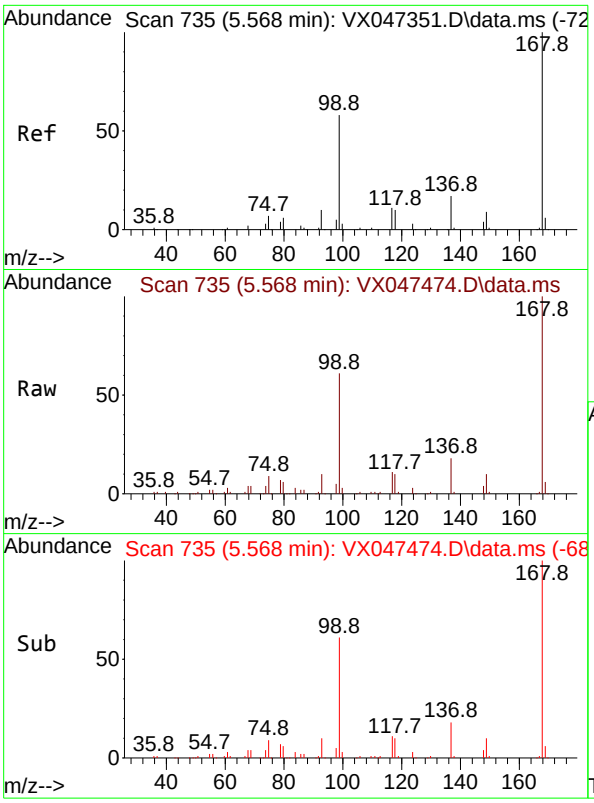
Sample Results: **VX047474.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047474.D
Acq On : 21 Aug 2025 16:35
Operator : JC/MD
Sample : Q2900-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-17B-081825

Quant Time: Aug 22 03:50:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



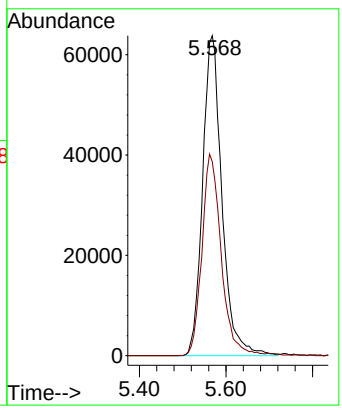


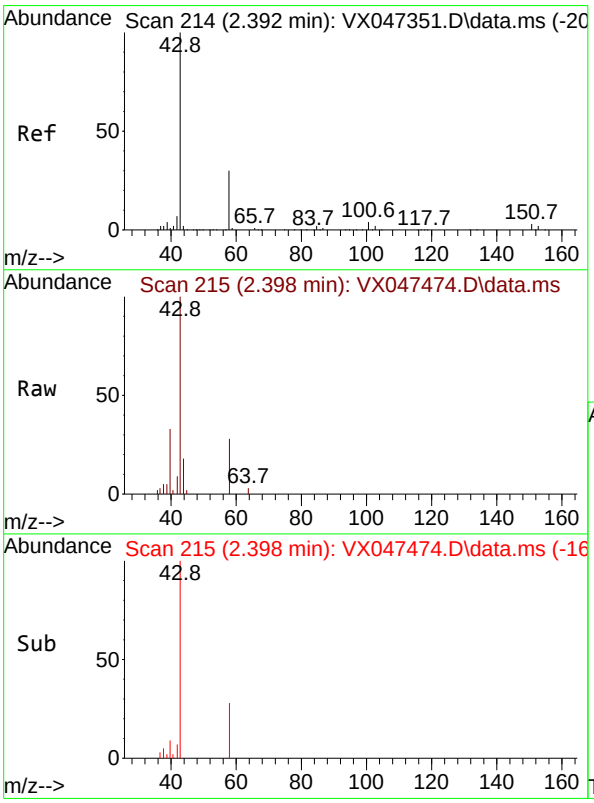
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047474.D
Acq: 21 Aug 2025 16:35

Instrument :
MSVOA_X
ClientSampleId :
MW-17B-081825

Tgt Ion:168 Resp: 198174

Ion	Ratio	Lower	Upper
168	100		
99	60.6	47.9	71.9

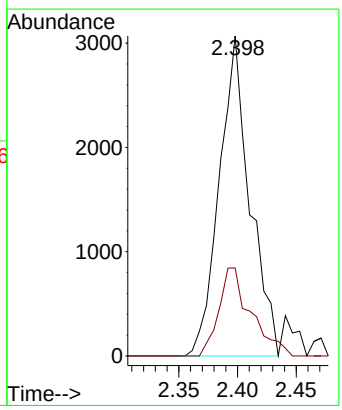


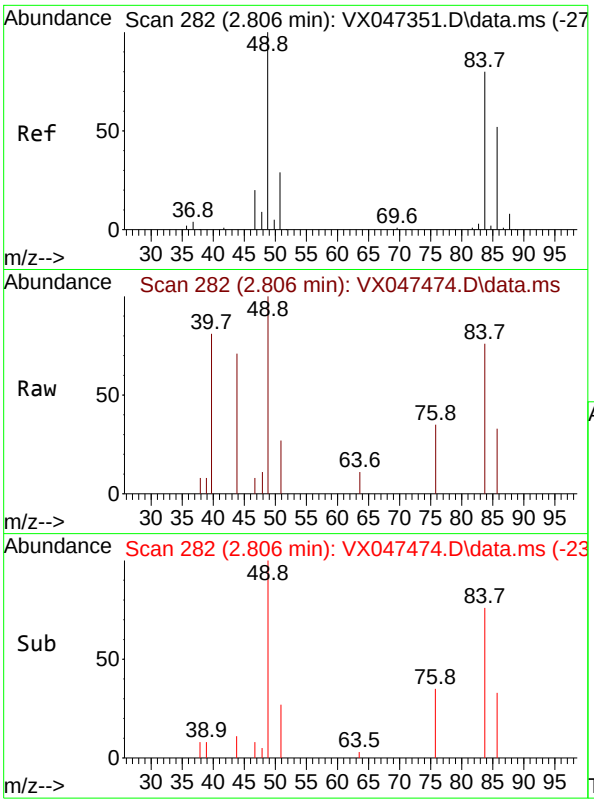


#16
Acetone
Concen: 5.326 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX047474.D
Acq: 21 Aug 2025 16:35

Tgt Ion: 43 Resp: 5552

Ion	Ratio	Lower	Upper
43	100		
58	27.5	24.8	37.2



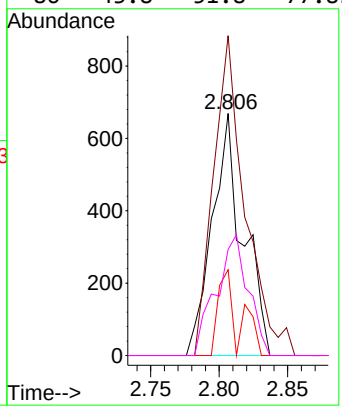


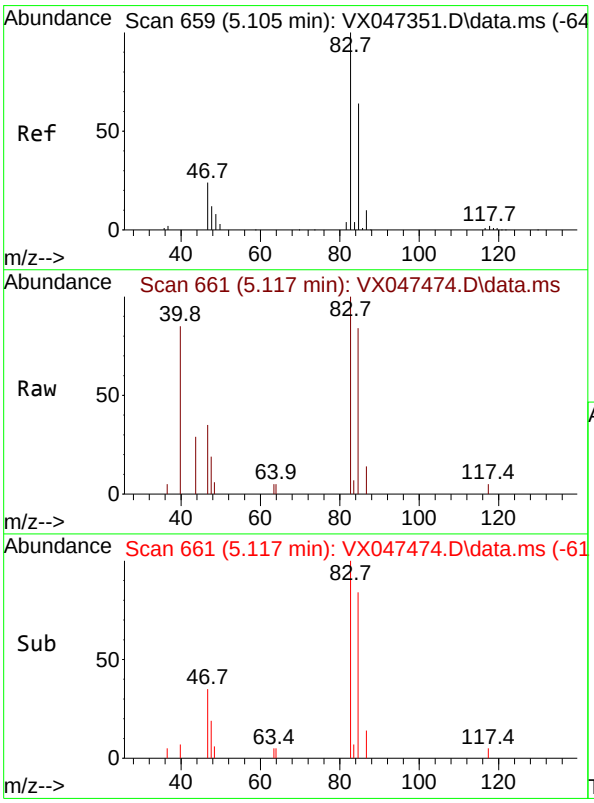
#20
Methylene Chloride
Concen: 0.379 ug/l
RT: 2.806 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047474.D
Acq: 21 Aug 2025 16:35

Instrument :
MSVOA_X
ClientSampleId :
MW-17B-081825

Tgt Ion: 84 Resp: 1045

Ion	Ratio	Lower	Upper
84	100		
49	132.1	100.1	150.1
51	35.4	29.5	44.3
86	43.8	51.8	77.8#

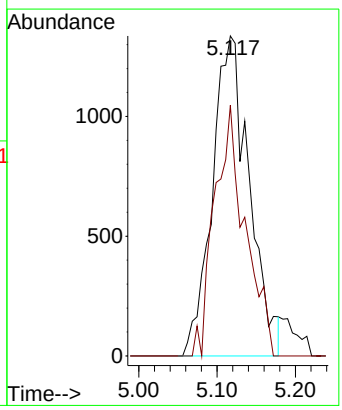


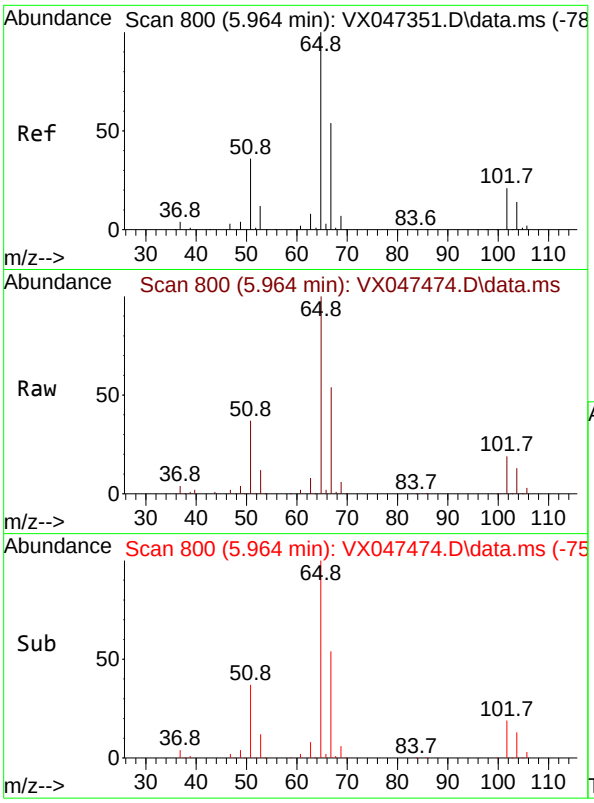


#30
Chloroform
Concen: 0.885 ug/l
RT: 5.117 min Scan# 661
Delta R.T. 0.012 min
Lab File: VX047474.D
Acq: 21 Aug 2025 16:35

Tgt Ion: 83 Resp: 4374

Ion	Ratio	Lower	Upper
83	100		
85	78.4	51.2	76.8#



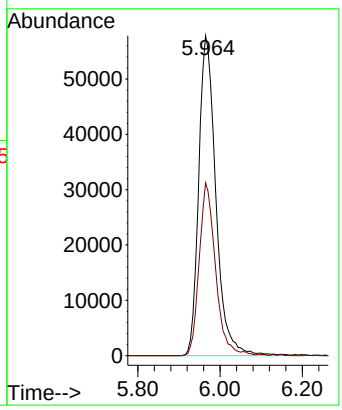


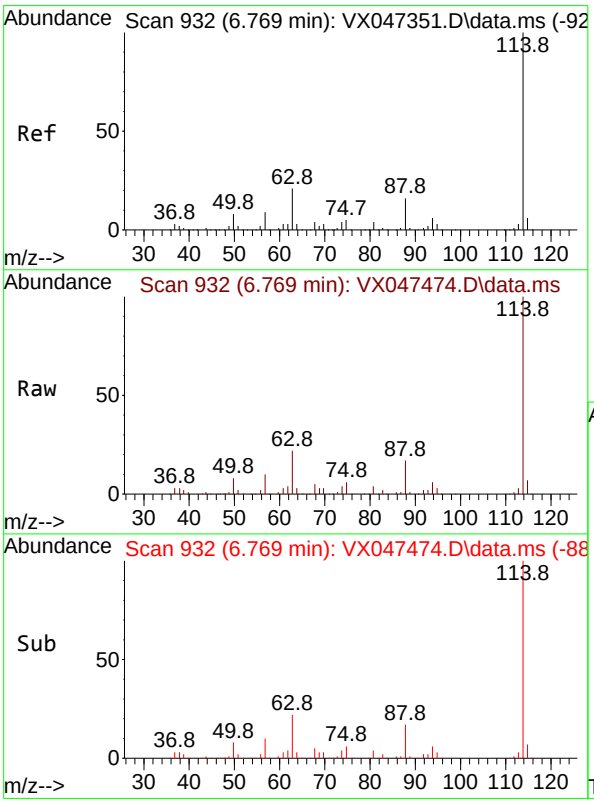
#33
1,2-Dichloroethane-d4
Concen: 60.269 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047474.D
Acq: 21 Aug 2025 16:35

Instrument :
MSVOA_X
ClientSampleId :
MW-17B-081825

Tgt Ion: 65 Resp: 167156

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	106.0

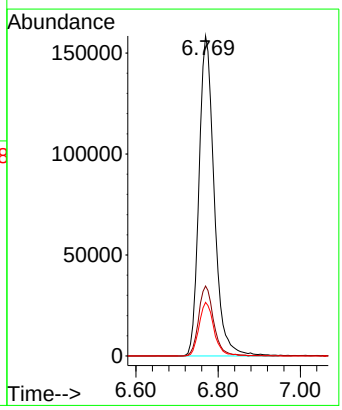


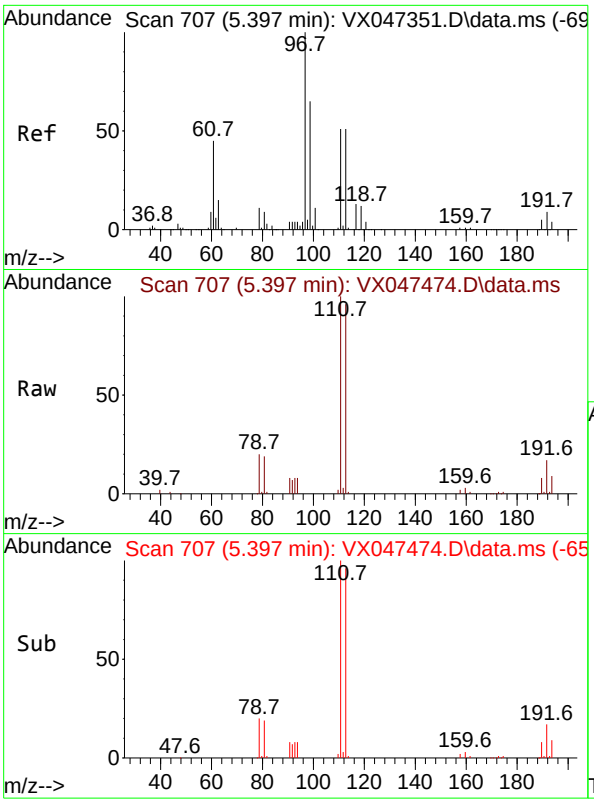


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047474.D
Acq: 21 Aug 2025 16:35

Tgt Ion:114 Resp: 406946

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	42.4
88	16.7	0.0	33.0



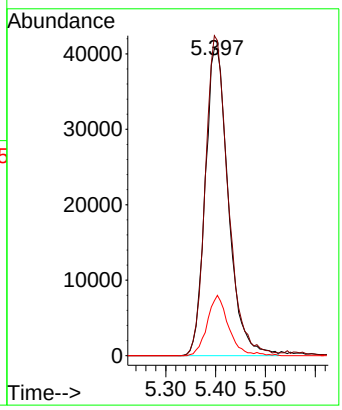


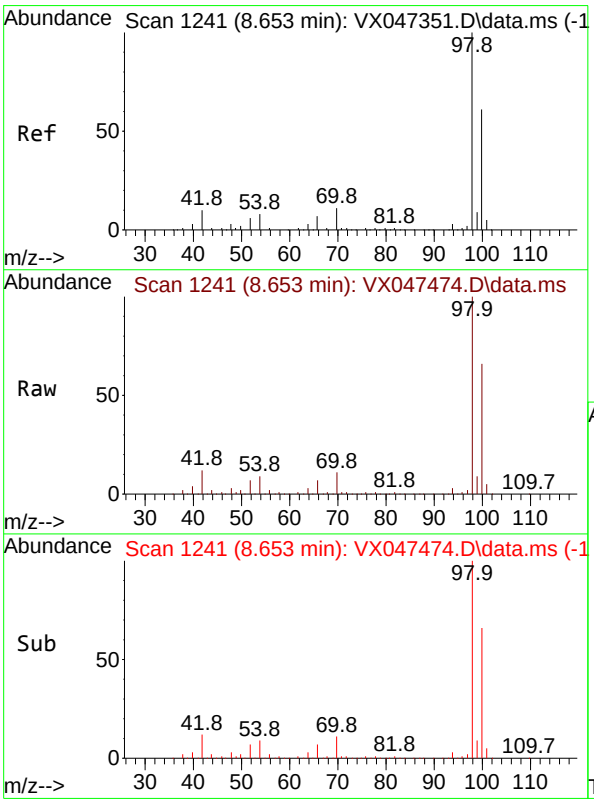
#35
Dibromofluoromethane
Concen: 49.953 ug/l
RT: 5.397 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047474.D
Acq: 21 Aug 2025 16:35

Instrument :
MSVOA_X
ClientSampleId :
MW-17B-081825

Tgt Ion:113 Resp: 131933

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.4	122.2
192	17.7	14.1	21.1

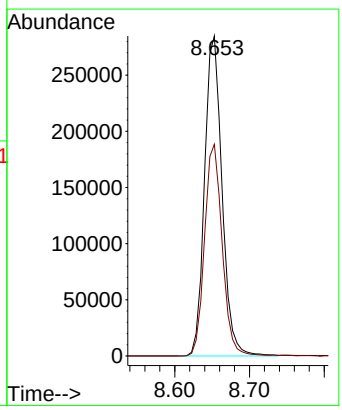


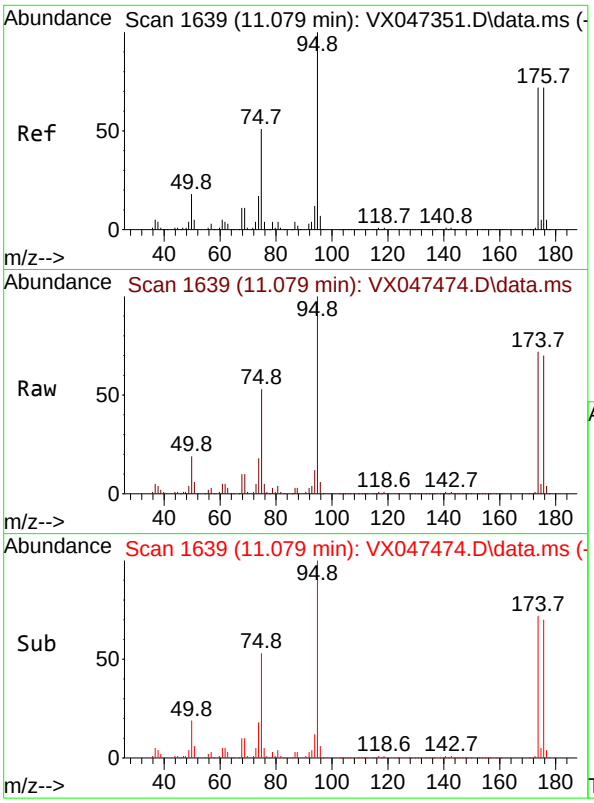


#50
Toluene-d8
Concen: 49.006 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047474.D
Acq: 21 Aug 2025 16:35

Tgt Ion: 98 Resp: 462622

Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.9	80.9



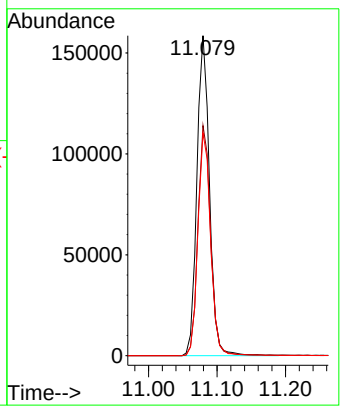


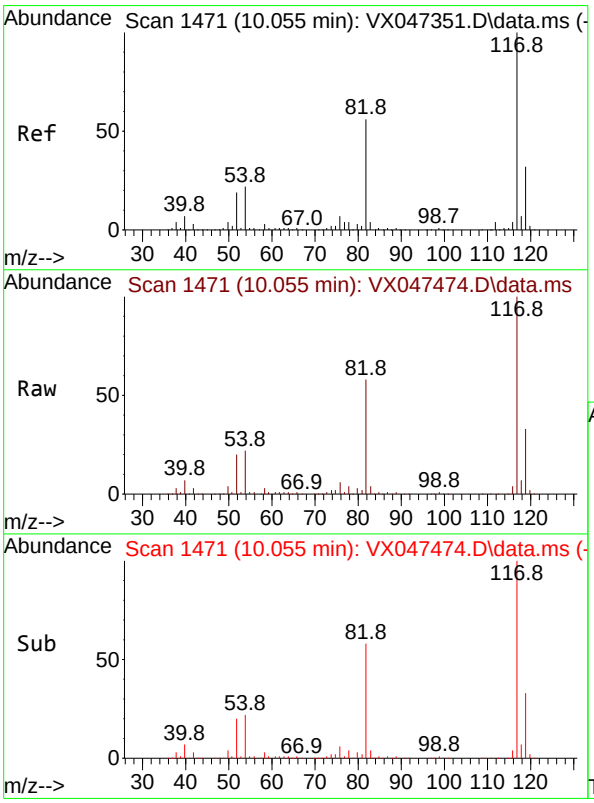
#62
4-Bromofluorobenzene
Concen: 58.294 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047474.D
Acq: 21 Aug 2025 16:35

Instrument :
MSVOA_X
ClientSampleId :
MW-17B-081825

Tgt Ion: 95 Resp: 203070

Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	148.0
176	70.3	0.0	145.4

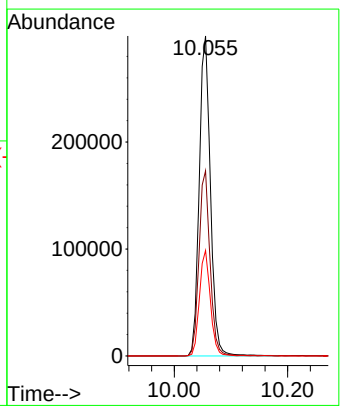


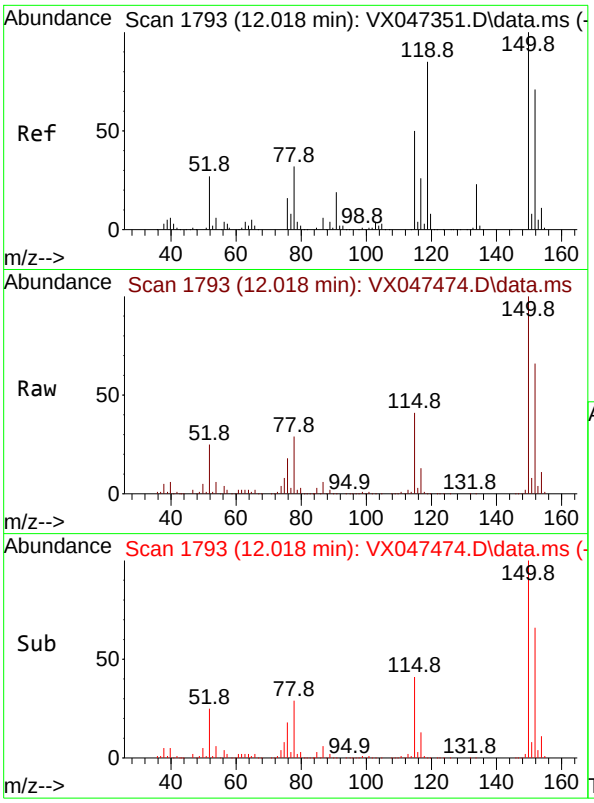


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047474.D
Acq: 21 Aug 2025 16:35

Tgt Ion:117 Resp: 409661

Ion	Ratio	Lower	Upper
117	100		
82	57.9	45.0	67.4
119	32.9	25.8	38.8



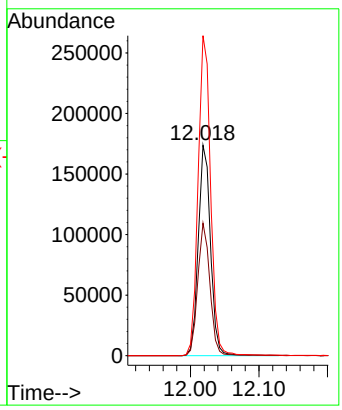


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047474.D
Acq: 21 Aug 2025 16:35

Instrument :
MSVOA_X
ClientSampleId :
MW-17B-081825

Tgt Ion:152 Resp: 216444

Ion	Ratio	Lower	Upper
152	100		
115	62.8	44.6	133.8
150	155.4	0.0	349.8



Sample Results: **VX047474.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047474.D
Acq On : 21 Aug 2025 16:35
Operator : JC/MD
Sample : Q2900-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-17B-081825

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047474.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.264	24	29	74	rBV	248086	1057799	79.19%	12.305%
2	2.124	165	170	183	rVB2	19674	47945	3.59%	0.558%
3	5.404	696	708	725	rBV3	136229	433596	32.46%	5.044%
4	5.562	725	734	765	rVB2	196552	619741	46.40%	7.209%
5	5.964	790	800	820	rBV	157934	455915	34.13%	5.303%
6	6.769	921	932	958	rBV	378393	965785	72.30%	11.234%
7	8.653	1234	1241	1260	rBV	755790	1258076	94.19%	14.634%
8	10.055	1465	1471	1483	rBV	926119	1278091	95.69%	14.867%
9	11.079	1634	1639	1655	rBV	744646	953412	71.38%	11.090%
10	12.018	1788	1793	1803	rBV	1080777	1335717	100.00%	15.537%
11	13.774	2076	2081	2092	rBV	20766	32545	2.44%	0.379%
12	14.780	2241	2246	2253	rBV	66021	89390	6.69%	1.040%
13	15.201	2312	2315	2323	rBV	12371	19384	1.45%	0.225%
14	15.609	2377	2382	2387	rBV2	16554	27882	2.09%	0.324%
15	16.328	2492	2500	2508	rBV4	10507	21458	1.61%	0.250%

Sum of corrected areas: 8596736

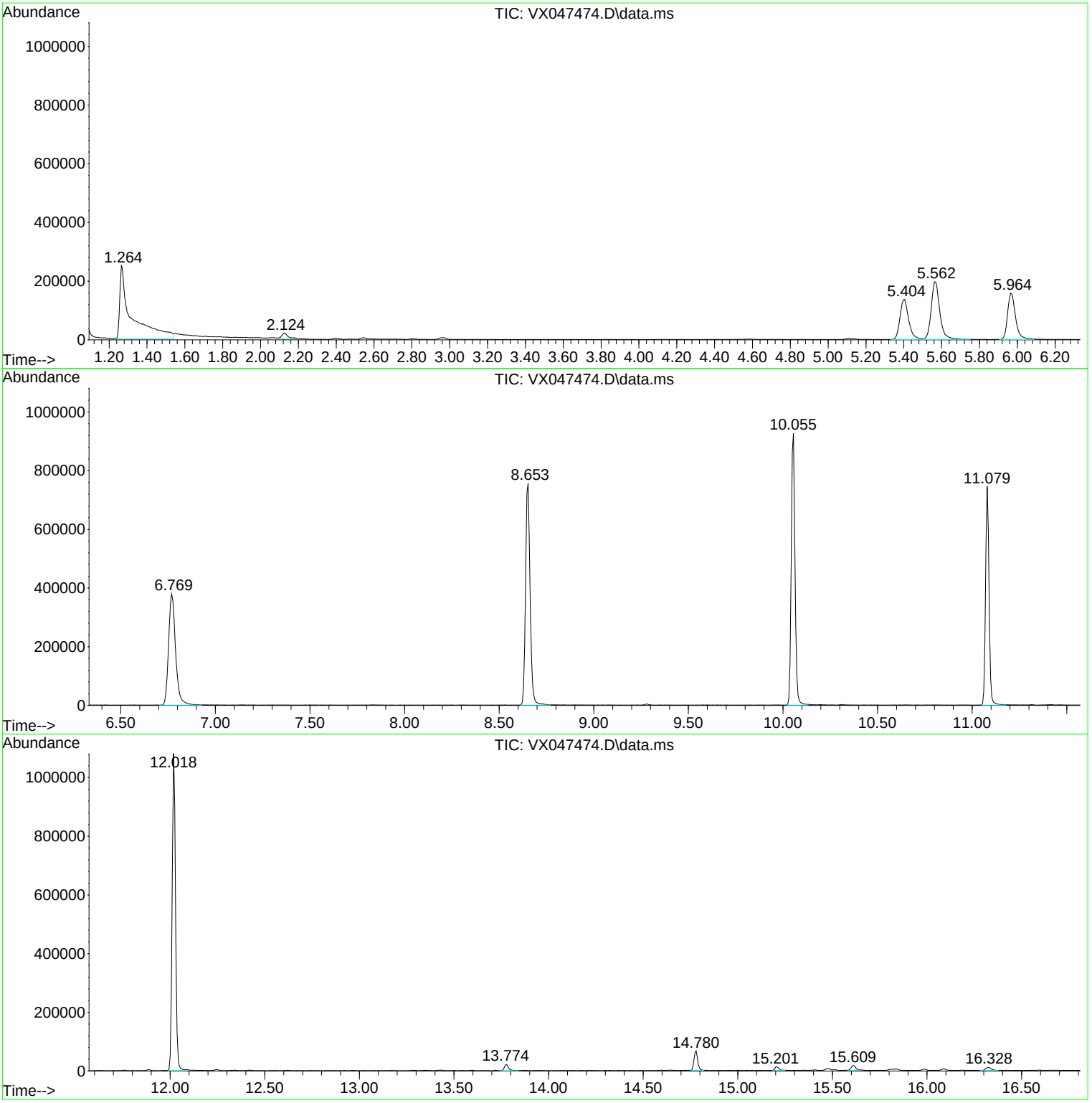
Sample Results: **VX047474.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047474.D
Acq On : 21 Aug 2025 16:35
Operator : JC/MD
Sample : Q2900-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-17B-081825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047474.D
Acq On : 21 Aug 2025 16:35
Operator : JC/MD
Sample : Q2900-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-17B-081825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

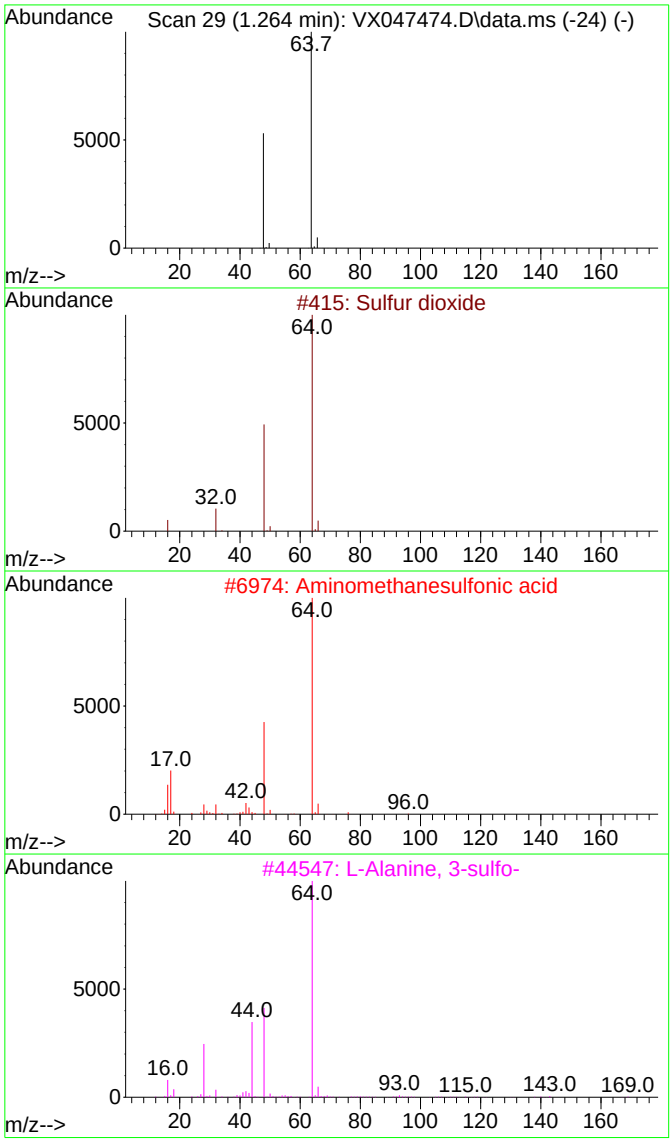
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

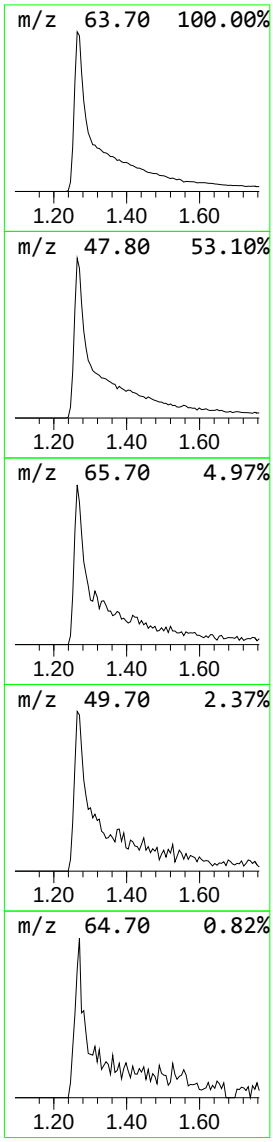
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.264	85.34 ug/l	1057800	Pentafluorobenzene	5.568

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	Ethene, 1,2-difluoro-	64	C2H2F2	001691-13-0	3





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047474.D
Acq On : 21 Aug 2025 16:35
Operator : JC/MD
Sample : Q2900-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-17B-081825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.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	1.264	85.3	ug/l	1057800	1	5.568	619741	50.0

Raw Data: **VX047447.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:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	MW-11C-081825	SDG No.:	Q2900
Lab Sample ID:	Q2900-05	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
VX047447.D	1	08/20/25 16:52	VX082025

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	230	E	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	0.92	J	0.23	5.00	ug/L
67-64-1	Acetone	4.20	J	1.50	25.0	ug/L
75-15-0	Carbon Disulfide	1.30	J	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	1300	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	440	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	2500	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	49.6		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	730	E	0.14	5.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	MW-11C-081825	SDG No.:	Q2900
Lab Sample ID:	Q2900-05	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
VX047447.D	1	08/20/25 16:52	VX082025

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	0.57	J	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.32	J	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	490	E	0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	270		0.24	10.0	ug/L
95-47-6	o-Xylene	370	E	0.12	5.00	ug/L
100-42-5	Styrene	280	E	0.15	5.00	ug/L
75-25-2	Bromoform	5.00	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	34.2		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	55.3		74 - 125	111%	SPK: 50
1868-53-7	Dibromofluoromethane	55.9		75 - 124	112%	SPK: 50
2037-26-5	Toluene-d8	53.7		86 - 113	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.9		77 - 121	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	208000	5.568			
540-36-3	1,4-Difluorobenzene	360000	6.775			
3114-55-4	Chlorobenzene-d5	375000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	175000	12.024			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VX047447.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:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	MW-11C-081825	SDG No.:	Q2900
Lab Sample ID:	Q2900-05	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
VX047447.D	1	08/20/25 16:52	VX082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
103-65-1	n-propylbenzene	15.1	J		11.3	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	170	J		11.4	ug/L
95-63-6	1,2,4-Trimethylbenzene	240	J		11.8	ug/L
000100-80-1	Benzene, 1-ethenyl-3-methyl-	180	J		11.8	ug/L
99-87-6	p-Isopropyltoluene	3.10	J		12.0	ug/L
000526-73-8	Benzene, 1,2,3-trimethyl-	160	J		12.1	ug/L
000496-11-7	Indane	360	J		12.2	ug/L
000095-13-6	Indene	1900	J		12.4	ug/L
002177-47-1	2-Methylindene	300	J		13.3	ug/L
065051-83-4	Benzene, (1-methyl-2-cyclopropen-1-yl)-	400	J		13.4	ug/L
000270-82-6	Benzo[c]thiophene	180	J		13.9	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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047447.D
Acq On : 20 Aug 2025 16:52
Operator : JC/MD
Sample : Q2900-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

Quant Time: Aug 21 01:35:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

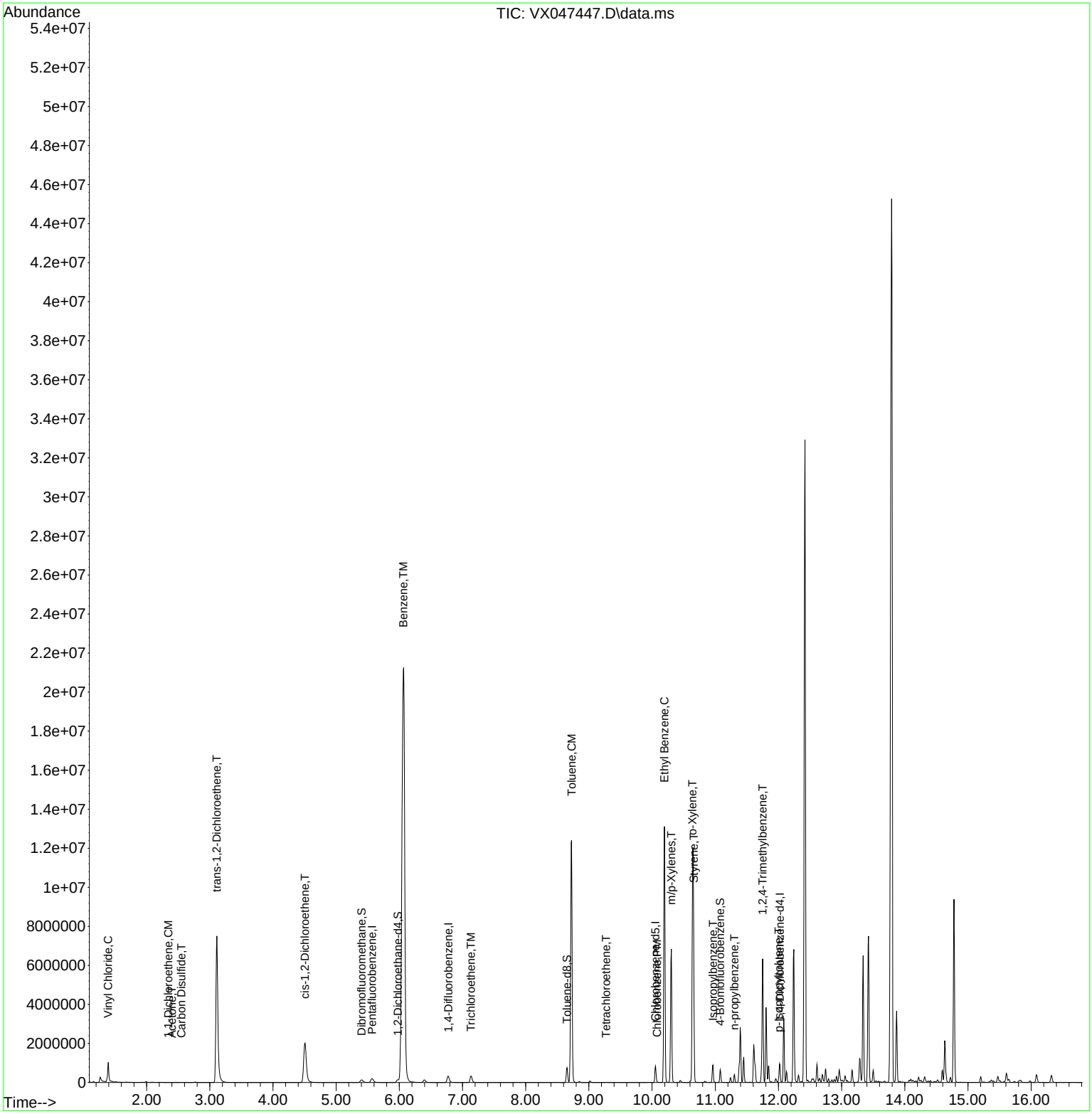
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.568	168	207711	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.775	114	360319	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.055	117	375441	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	174957	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.977	65	160814	55.320	ug/l		0.01
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.640%				
35) Dibromofluoromethane	5.403	113	130805	55.935	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.880%				
50) Toluene-d8	8.653	98	449256	53.749	ug/l		0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.500%				
62) 4-Bromofluorobenzene	11.079	95	172469	55.916	ug/l		0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.840%				
Target Compounds							Qvalue
4) Vinyl Chloride	1.392	62	701030	234.478	ug/l		97
12) 1,1-Dichloroethene	2.343	96	2402	0.918	ug/l		89
16) Acetone	2.398	43	4556	4.170	ug/l	#	84
17) Carbon Disulfide	2.550	76	10218	1.295	ug/l		97
21) trans-1,2-Dichloroethene	3.111	96	3470118	1250.157	ug/l		98
27) cis-1,2-Dichloroethene	4.507	96	1421266	439.617	ug/l		89
40) Benzene	6.062	78	27808097	2516.719	ug/l		91
44) Trichloroethene	7.135	130	140297	49.588	ug/l		100
52) Toluene	8.726	92	4981739	729.639	ug/l		95
64) Tetrachloroethene	9.275	164	1552	0.572	ug/l	#	87
65) Chlorobenzene	10.079	112	2846	0.319	ug/l		92
67) Ethyl Benzene	10.195	91	7538323	490.906	ug/l		97
68) m/p-Xylenes	10.305	106	1531967	267.552	ug/l		100
69) o-Xylene	10.640	106	2016861	366.022	ug/l		97
70) Styrene	10.659	104	2602706	279.548	ug/l		96
73) Isopropylbenzene	10.963	105	468689	34.233	ug/l		99
78) n-propylbenzene	11.305	91	247205	15.118	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	2647951	235.056	ug/l		99
86) p-Isopropyltoluene	12.006	119	36960	3.135	ug/l	#	77

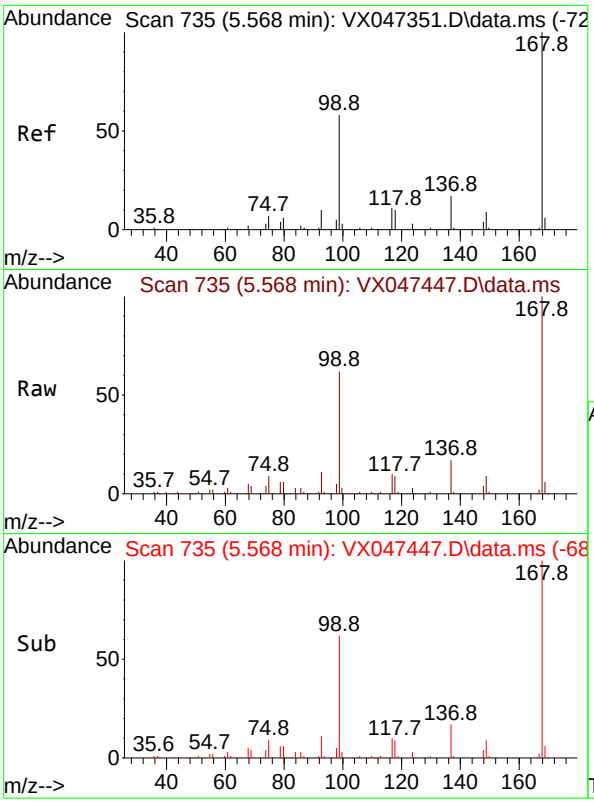
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047447.D
Acq On : 20 Aug 2025 16:52
Operator : JC/MD
Sample : Q2900-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

Quant Time: Aug 21 01:35:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



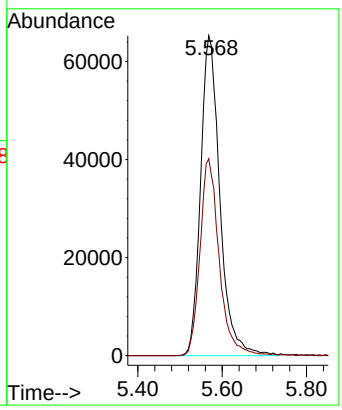


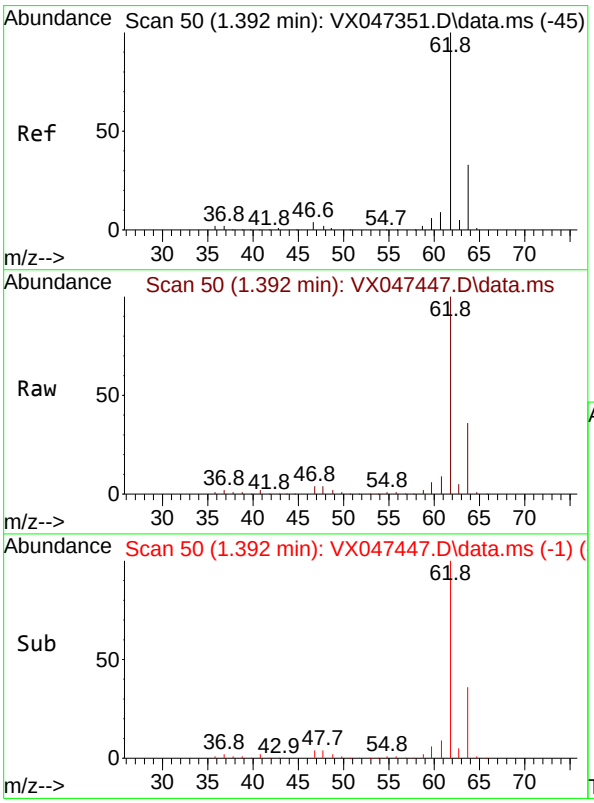
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

Tgt Ion:168 Resp: 207711

Ion	Ratio	Lower	Upper
168	100		
99	61.5	47.9	71.9

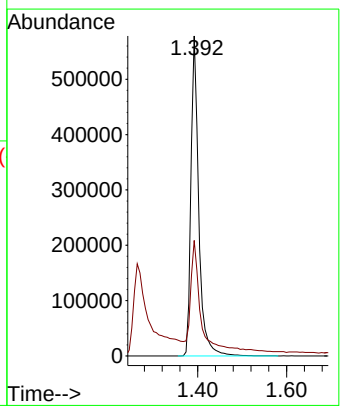


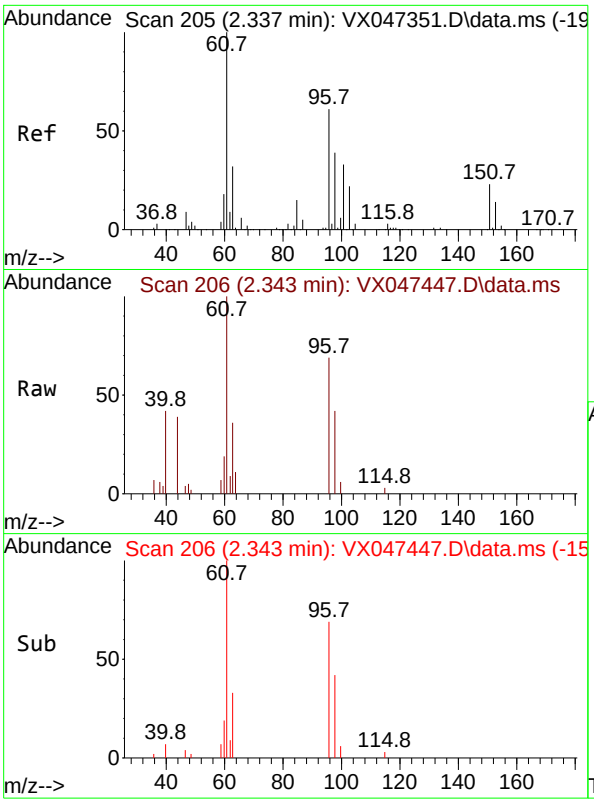


#4
Vinyl Chloride
Concen: 234.478 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.000 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Tgt Ion: 62 Resp: 701030

Ion	Ratio	Lower	Upper
62	100		
64	34.7	26.5	39.7



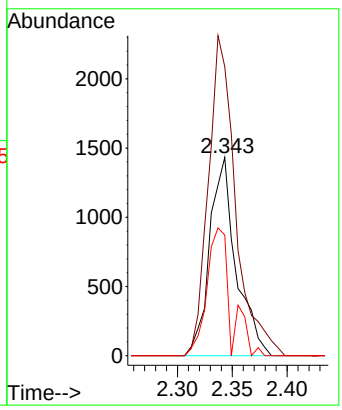


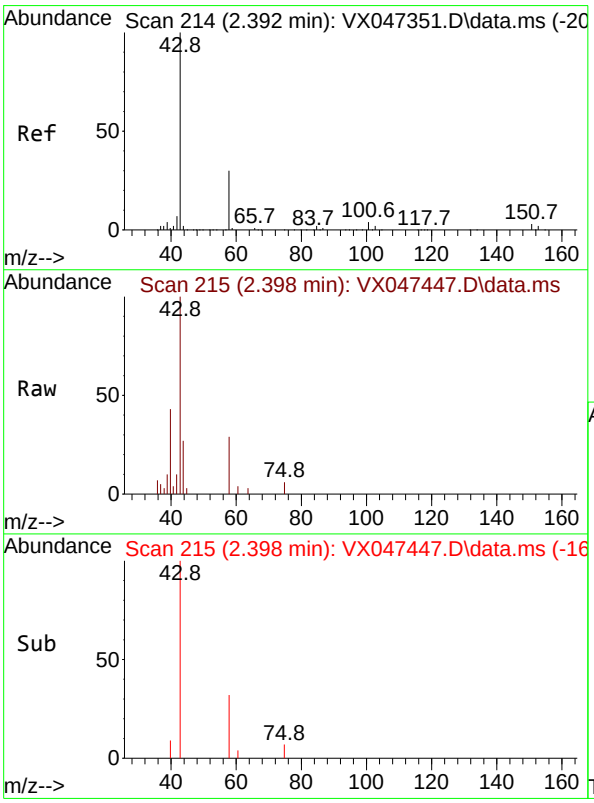
#12
1,1-Dichloroethene
Concen: 0.918 ug/l
RT: 2.343 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

Tgt Ion: 96 Resp: 2402

Ion	Ratio	Lower	Upper
96	100		
61	145.8	132.2	198.2
98	60.9	51.2	76.8

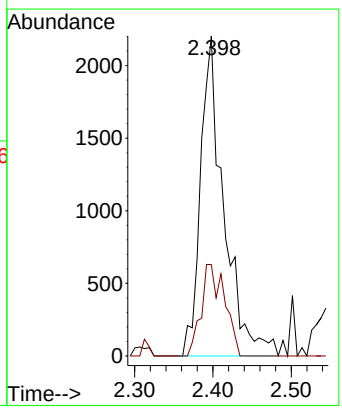


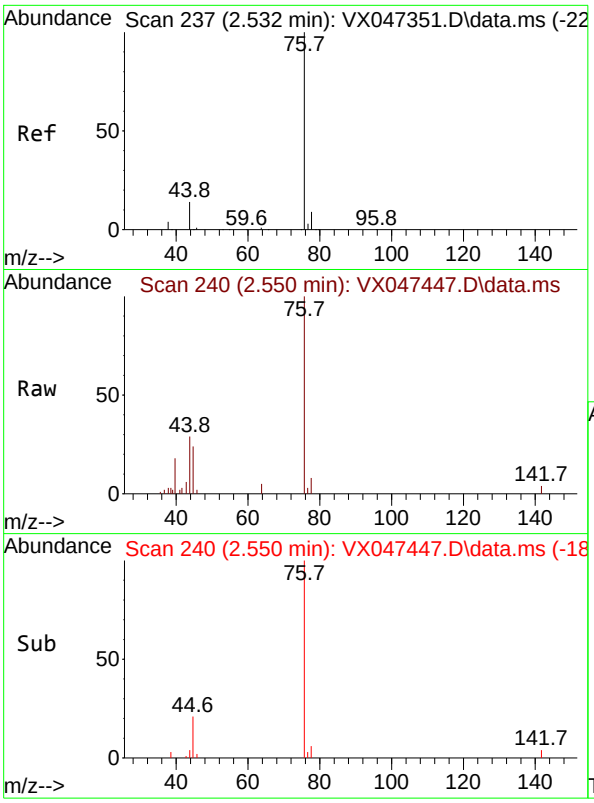


#16
Acetone
Concen: 4.170 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Tgt Ion: 43 Resp: 4556

Ion	Ratio	Lower	Upper
43	100		
58	22.4	24.8	37.2#



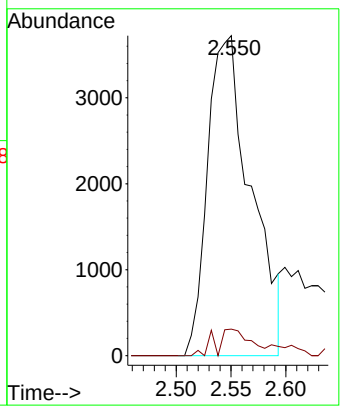


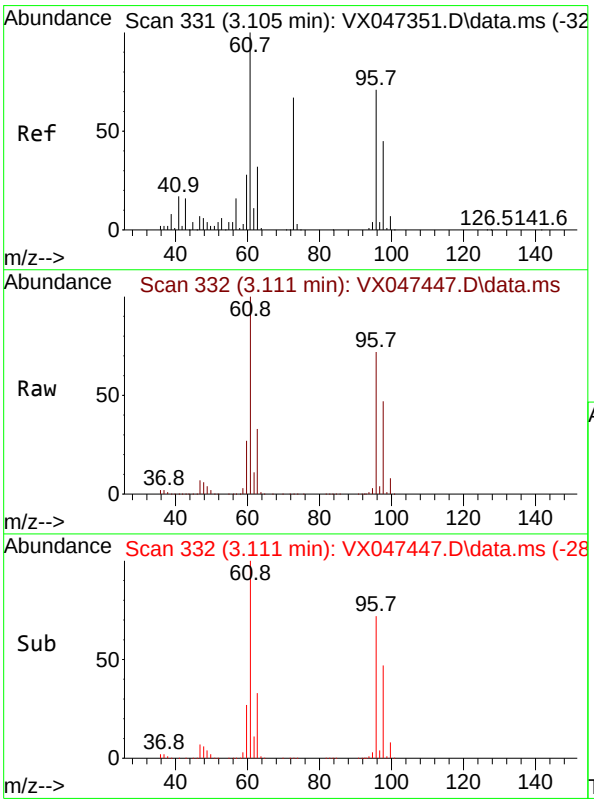
#17
Carbon Disulfide
Concen: 1.295 ug/l
RT: 2.550 min Scan# 24
Delta R.T. 0.018 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

Tgt Ion: 76 Resp: 10218

Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.2	10.8

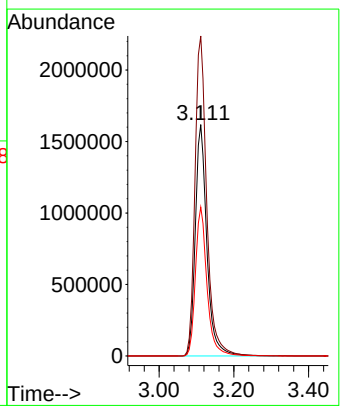


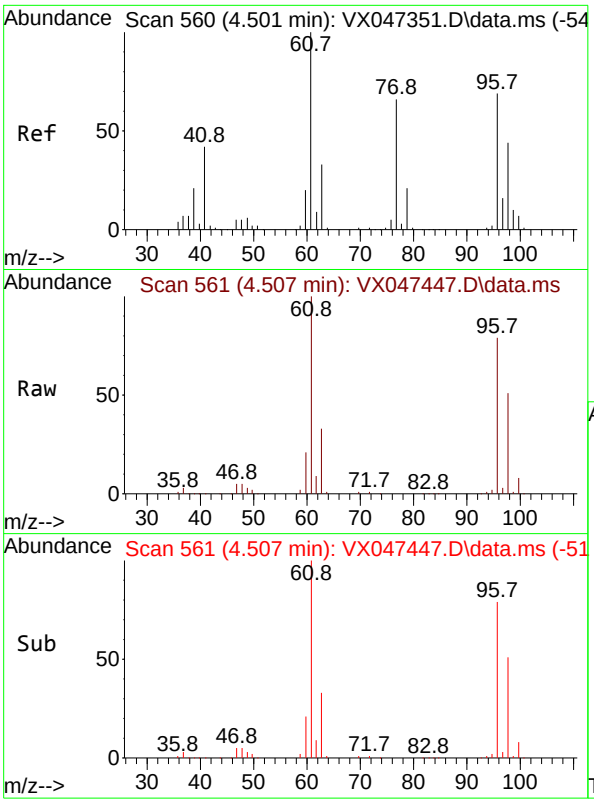


#21
trans-1,2-Dichloroethene
Concen: 1250.157 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.006 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Tgt Ion: 96 Resp: 3470118

Ion	Ratio	Lower	Upper
96	100		
61	138.3	112.6	169.0
98	64.3	50.9	76.3



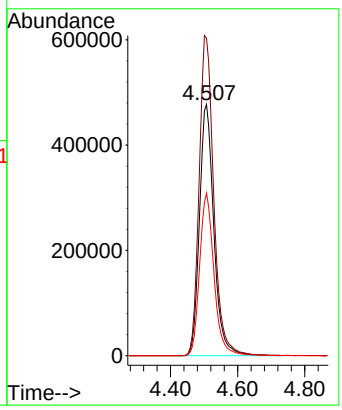


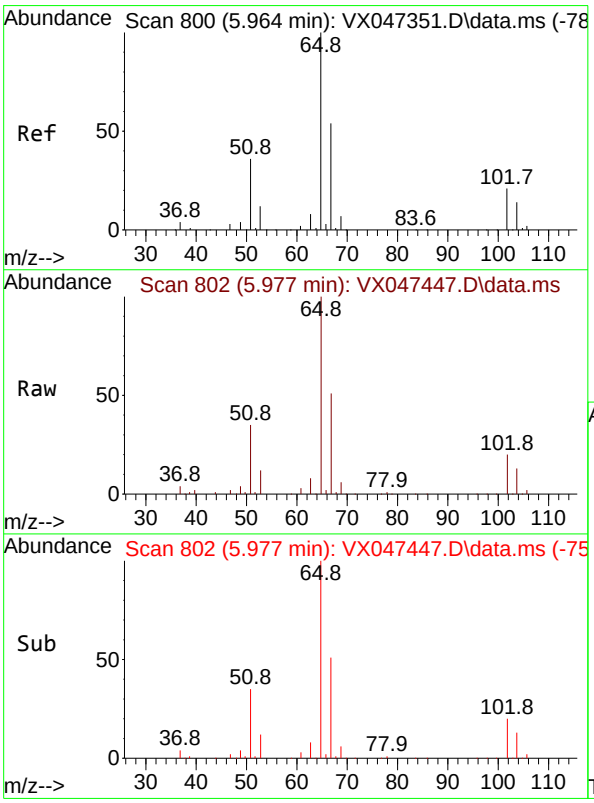
#27
cis-1,2-Dichloroethene
Concen: 439.617 ug/l
RT: 4.507 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

Tgt Ion: 96 Resp: 1421266

Ion	Ratio	Lower	Upper
96	100		
61	129.4	0.0	296.6
98	64.5	0.0	130.4

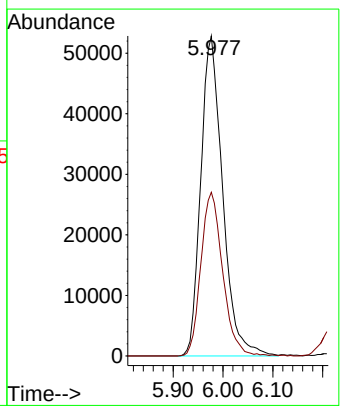


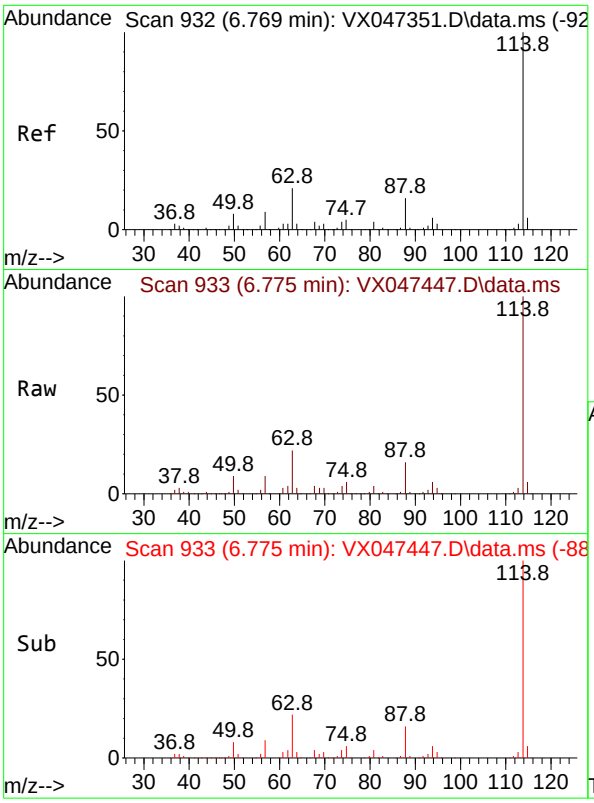


#33
1,2-Dichloroethane-d4
Concen: 55.320 ug/l
RT: 5.977 min Scan# 802
Delta R.T. 0.012 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Tgt Ion: 65 Resp: 160814

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	106.0



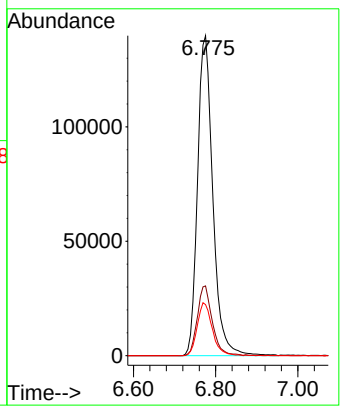


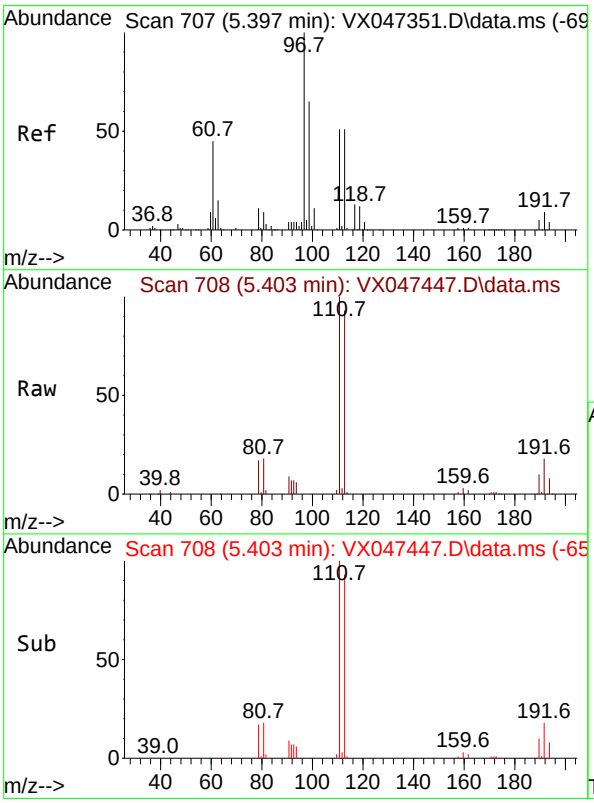
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

Tgt Ion:114 Resp: 360319

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	42.4
88	16.0	0.0	33.0

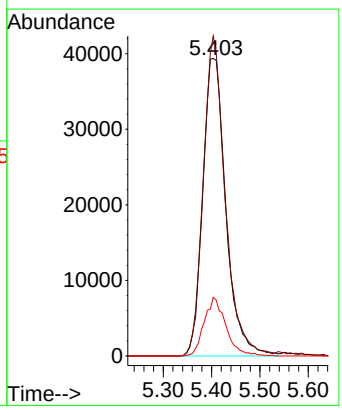


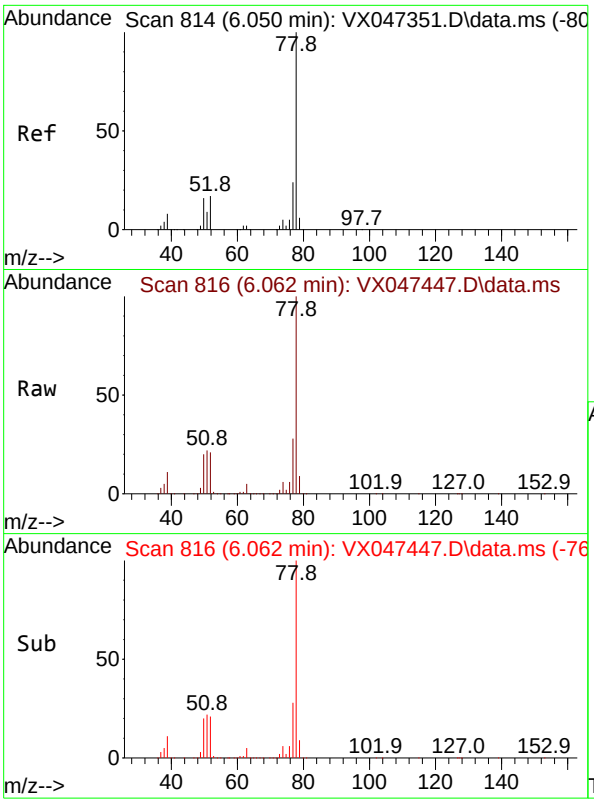


#35
Dibromofluoromethane
Concen: 55.935 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Tgt Ion:113 Resp: 130805

Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.4	122.2
192	18.5	14.1	21.1



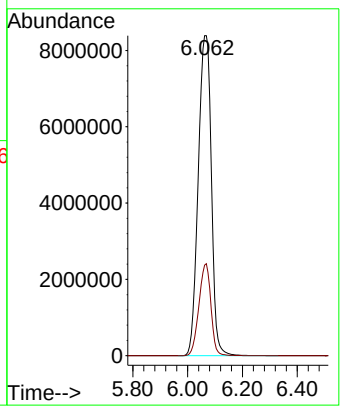


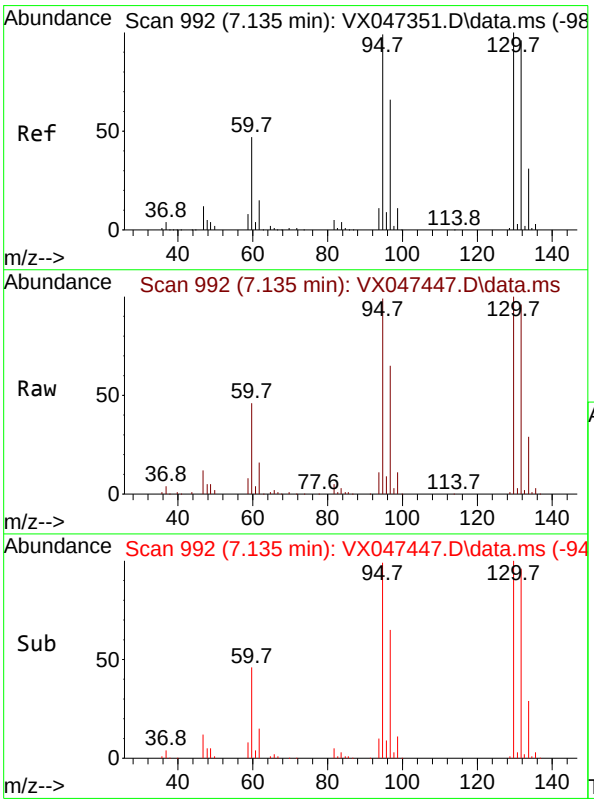
#40
Benzene
Concen: 2516.719 ug/l
RT: 6.062 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

Tgt Ion: 78 Resp:27808097

Ion	Ratio	Lower	Upper
78	100		
77	28.3	19.0	28.4

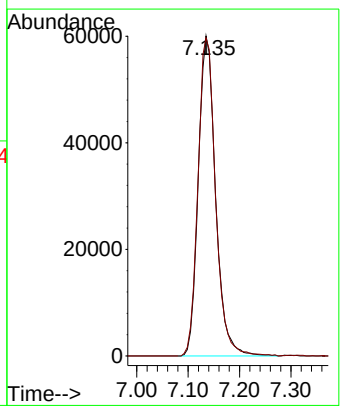


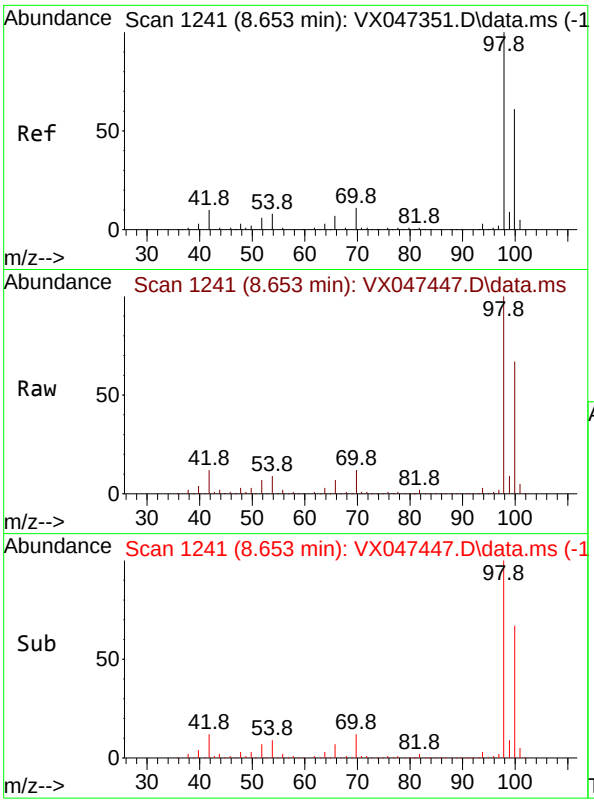


#44
Trichloroethene
Concen: 49.588 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.000 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Tgt Ion:130 Resp: 140297

Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	198.6



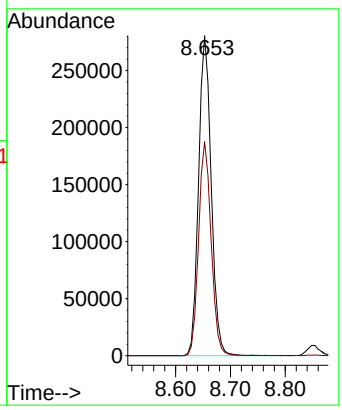


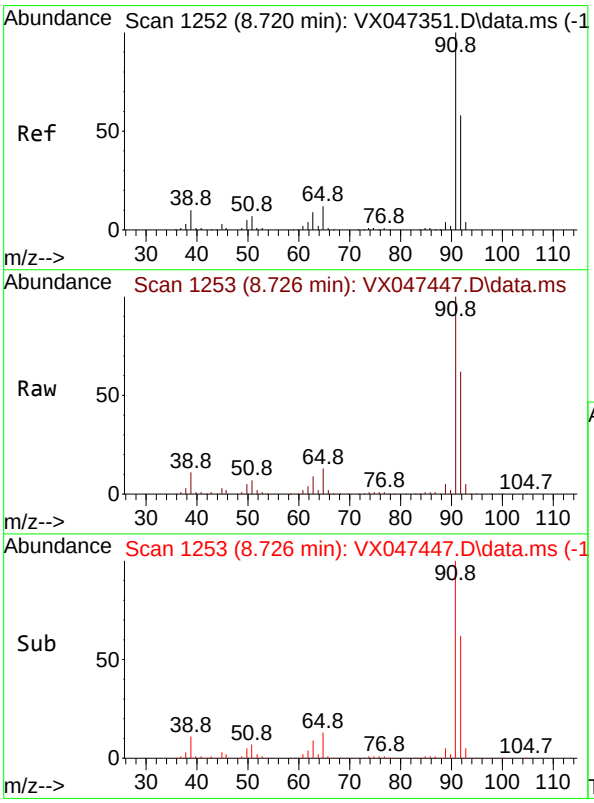
#50
Toluene-d8
Concen: 53.749 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

Tgt Ion: 98 Resp: 449256

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.9	80.9

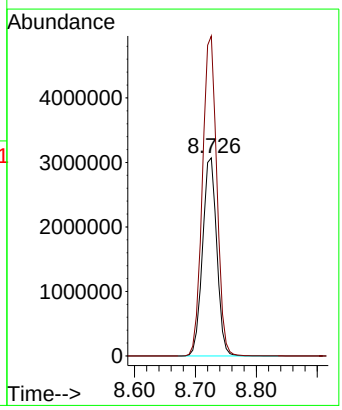


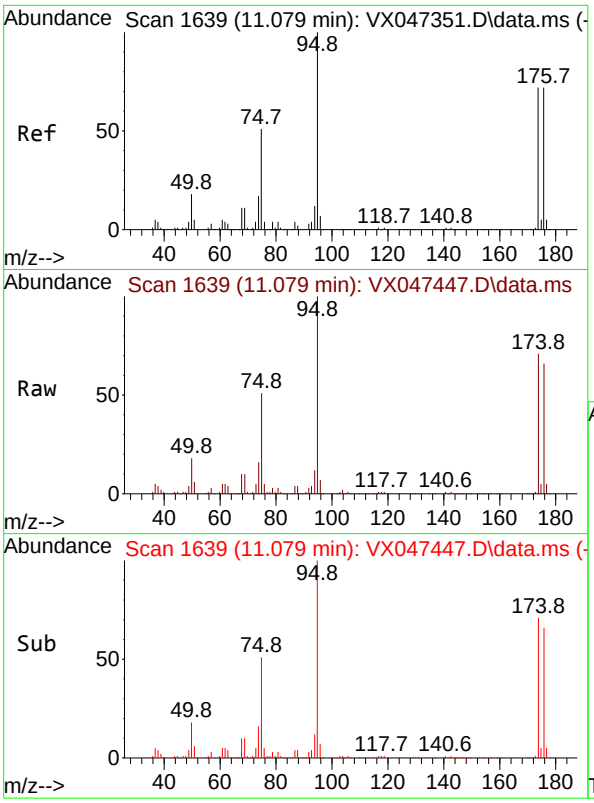


#52
Toluene
Concen: 729.639 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Tgt Ion: 92 Resp: 4981739

Ion	Ratio	Lower	Upper
92	100		
91	163.5	136.3	204.5



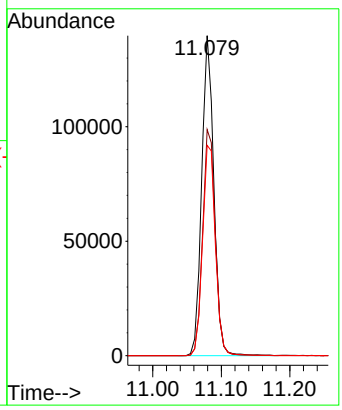


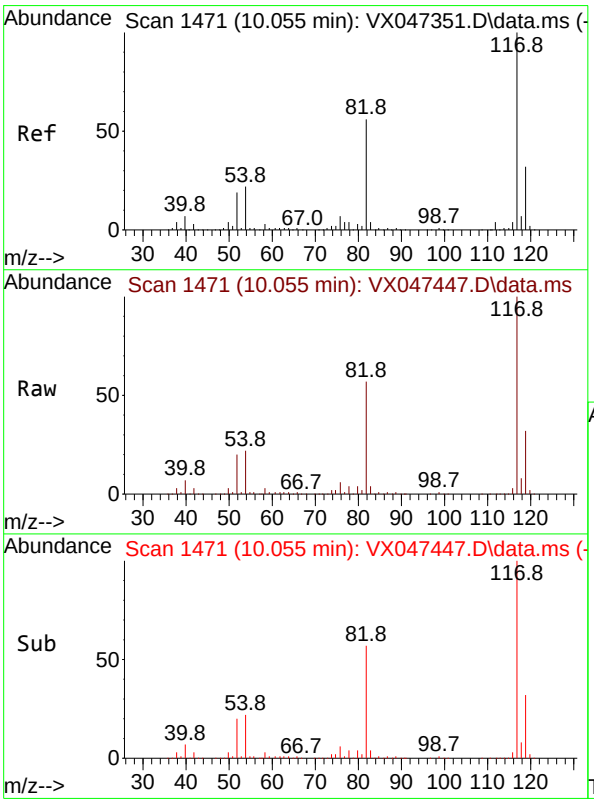
#62
4-Bromofluorobenzene
Concen: 55.916 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

Tgt Ion: 95 Resp: 172469

Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	148.0
176	69.7	0.0	145.4

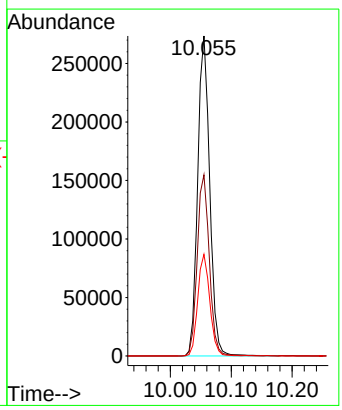


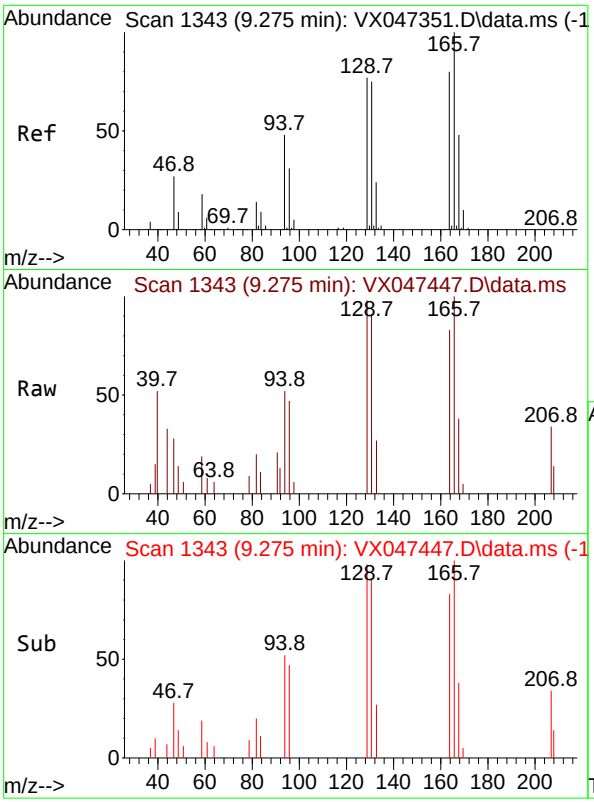


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Tgt Ion:117 Resp: 375441

Ion	Ratio	Lower	Upper
117	100		
82	56.6	45.0	67.4
119	31.8	25.8	38.8



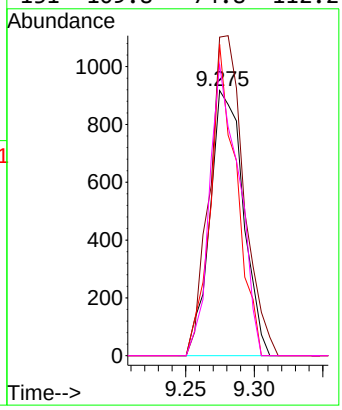


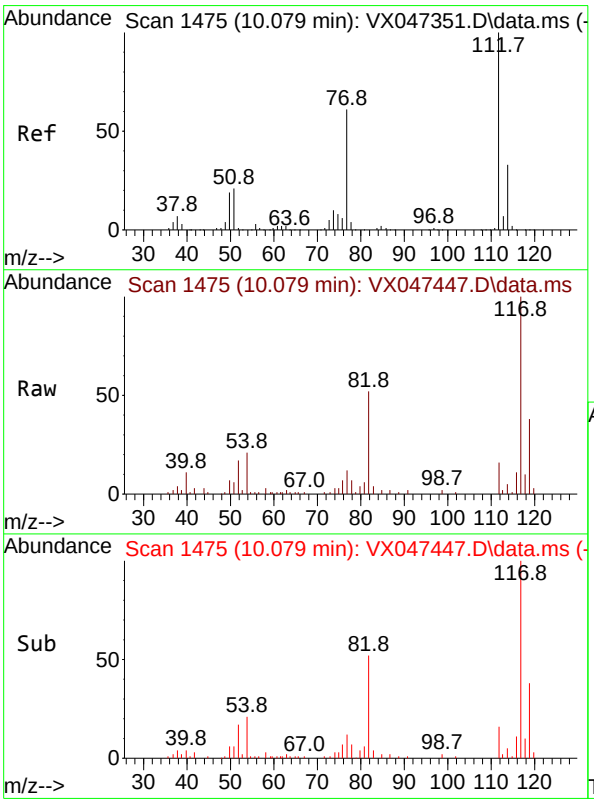
#64
Tetrachloroethene
Concen: 0.572 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

Tgt Ion:164 Resp: 1552

Ion	Ratio	Lower	Upper
164	100		
166	120.2	100.3	150.5
129	117.4	77.7	116.5#
131	109.8	74.8	112.2

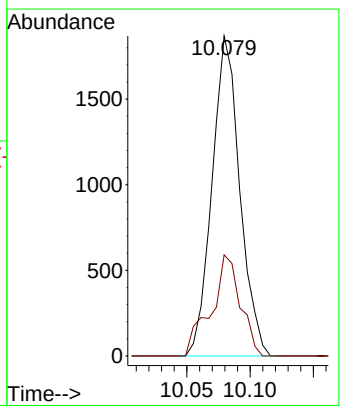


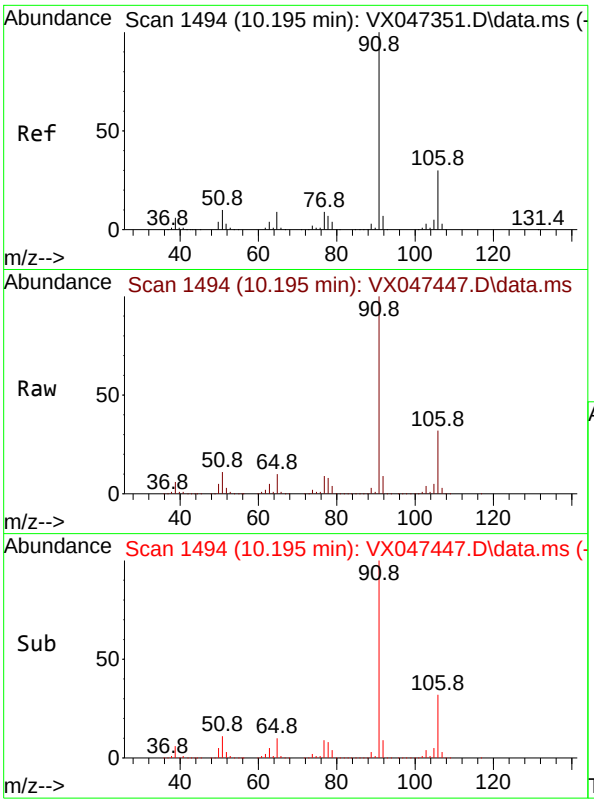


#65
Chlorobenzene
Concen: 0.319 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Tgt Ion:112 Resp: 2846

Ion	Ratio	Lower	Upper
112	100		
114	28.5	26.4	39.6



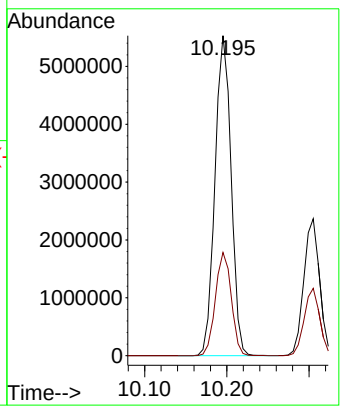


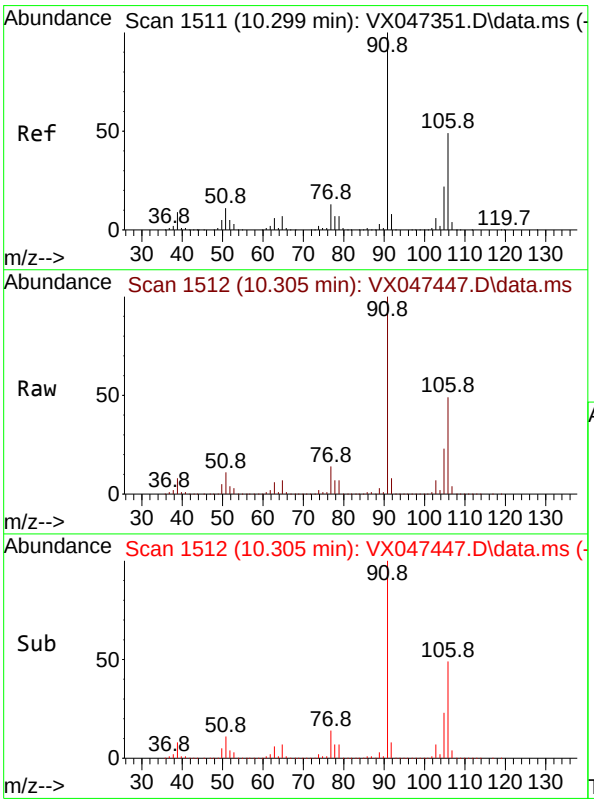
#67
Ethyl Benzene
Concen: 490.906 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

Tgt Ion: 91 Resp: 7538323

Ion	Ratio	Lower	Upper
91	100		
106	32.2	24.4	36.6

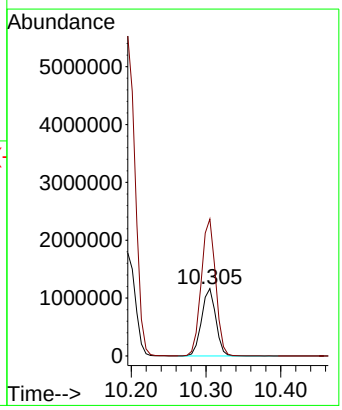


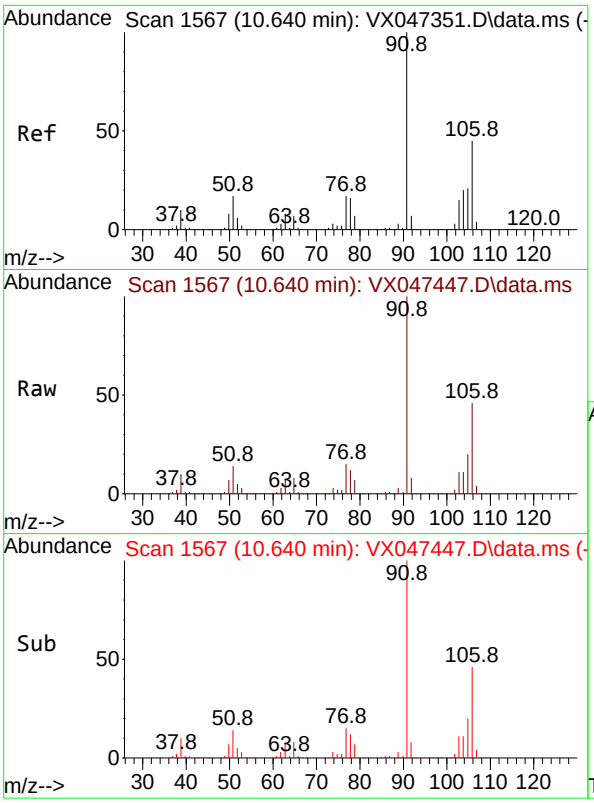


#68
m/p-Xylenes
Concen: 267.552 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Tgt Ion:106 Resp: 1531967

Ion	Ratio	Lower	Upper
106	100		
91	205.9	164.7	247.1



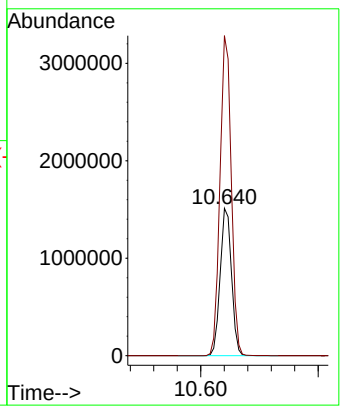


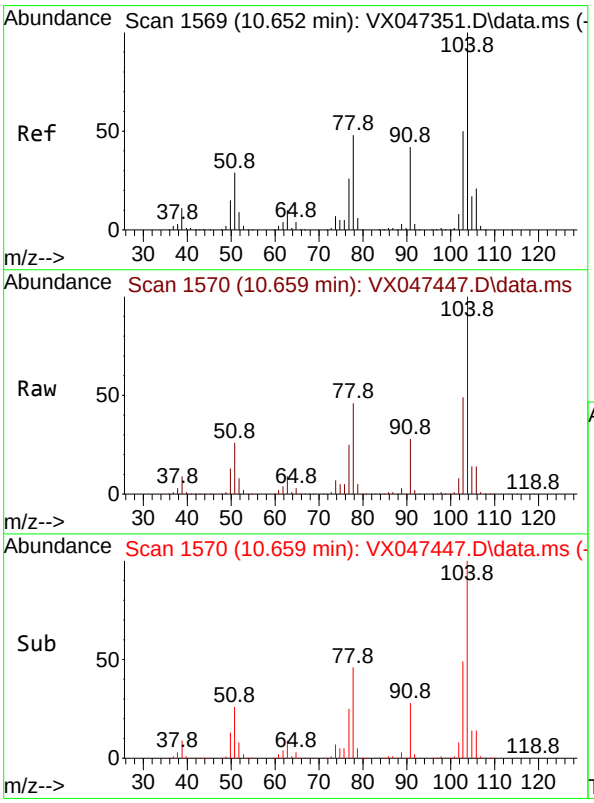
#69
o-Xylene
Concen: 366.022 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

Tgt Ion:106 Resp: 2016861

Ion	Ratio	Lower	Upper
106	100		
91	216.3	110.6	331.8

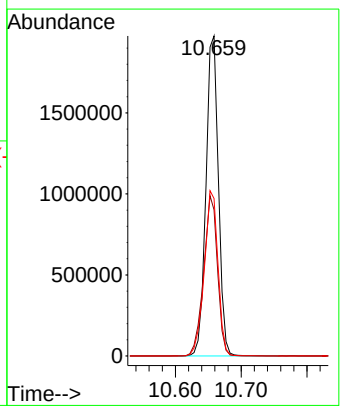


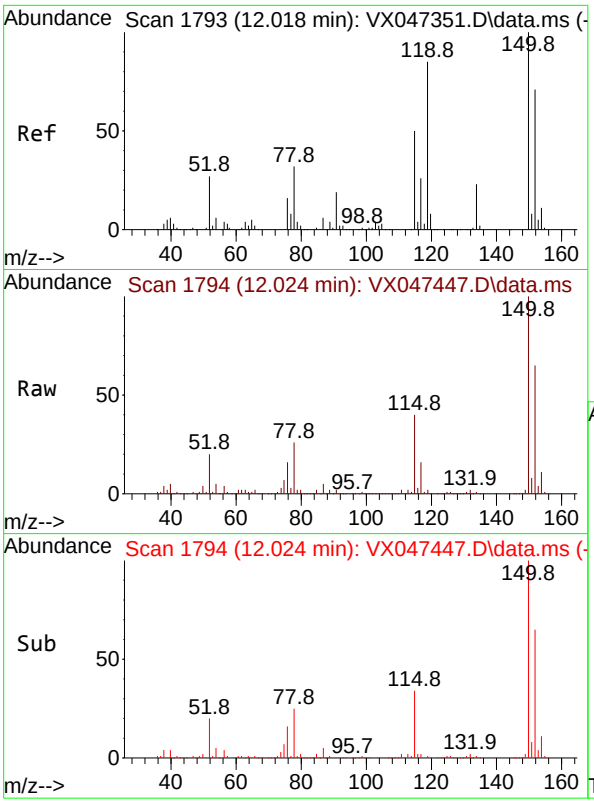


#70
Styrene
Concen: 279.548 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Tgt Ion:104 Resp: 2602706

Ion	Ratio	Lower	Upper
104	100		
78	55.6	41.8	62.8
103	56.9	43.6	65.4



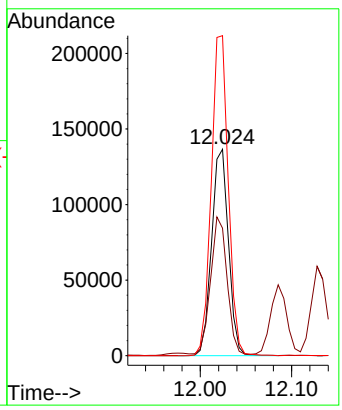


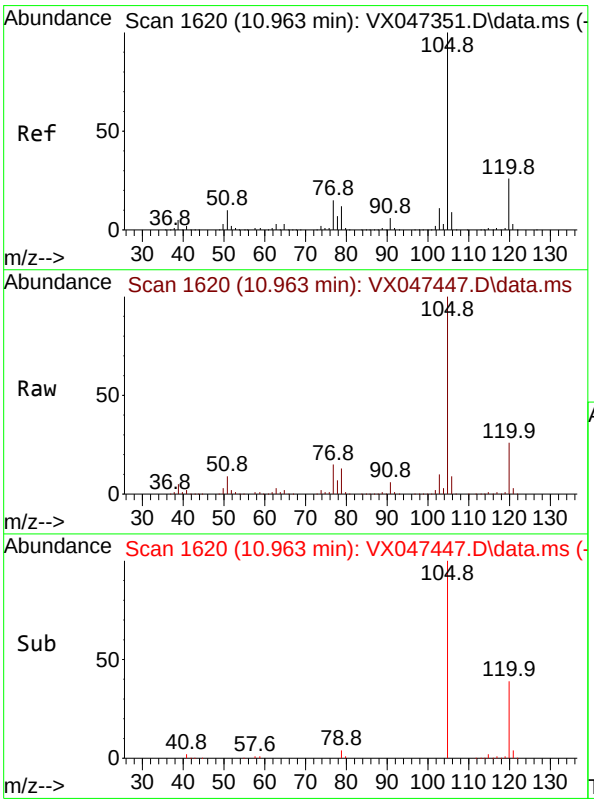
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

Tgt Ion:152 Resp: 174957

Ion	Ratio	Lower	Upper
152	100		
115	64.8	44.6	133.8
150	156.1	0.0	349.8

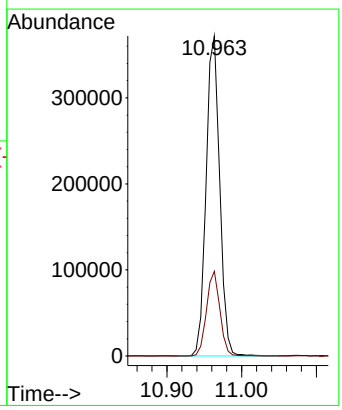


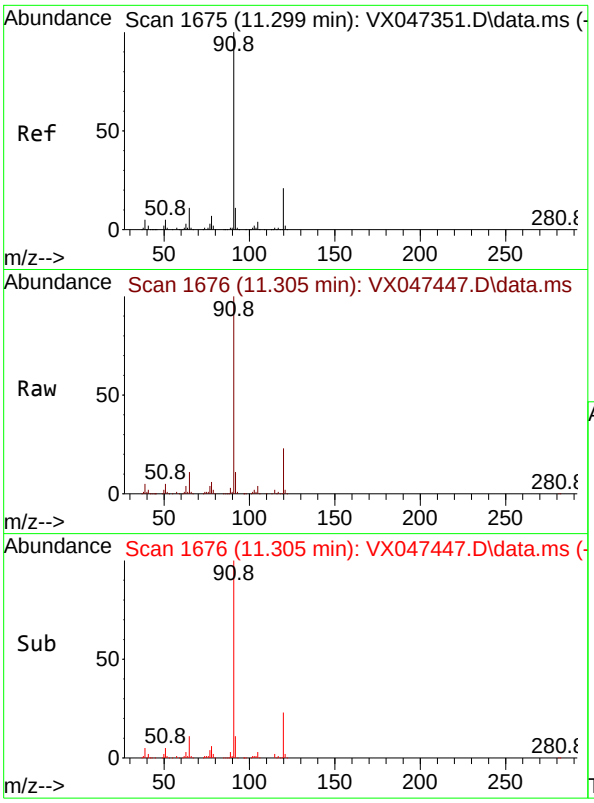


#73
Isopropylbenzene
Concen: 34.233 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Tgt Ion:105 Resp: 468689

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.9	38.6



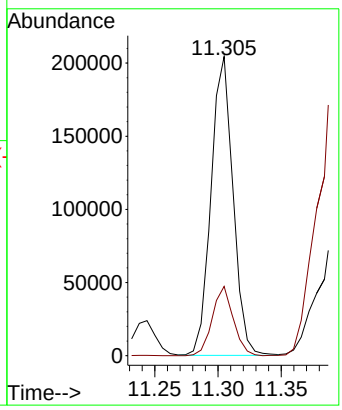


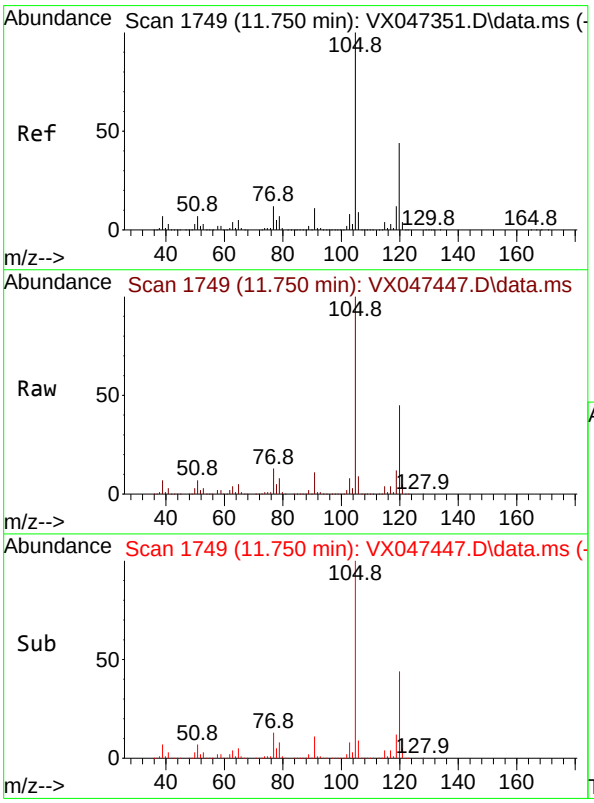
#78
n-propylbenzene
Concen: 15.118 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

Tgt Ion: 91 Resp: 247205

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.0	33.0

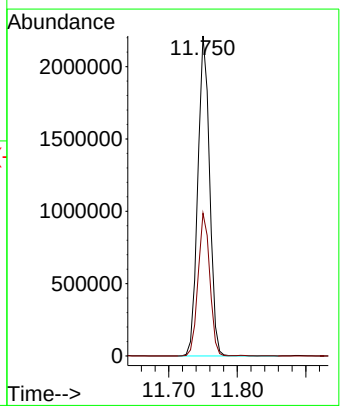


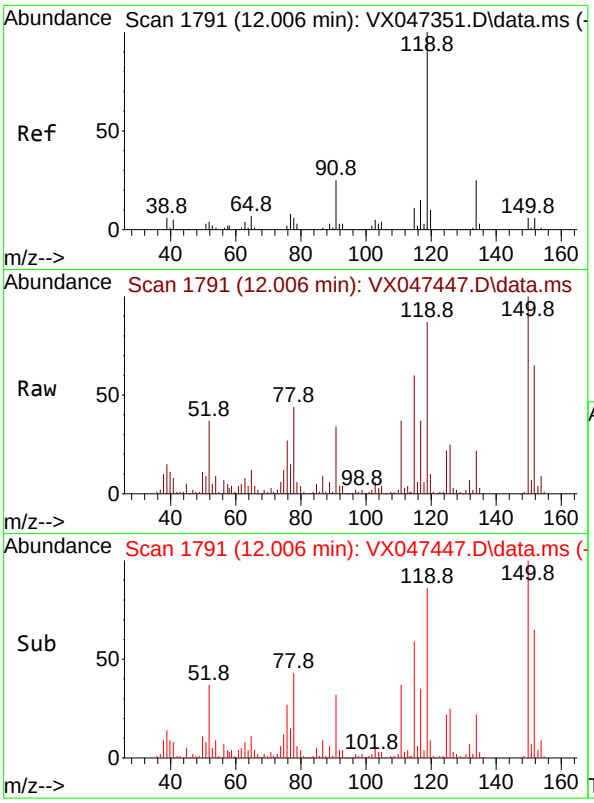


#84
1,2,4-Trimethylbenzene
Concen: 235.056 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Tgt Ion:105 Resp: 2647951

Ion	Ratio	Lower	Upper
105	100		
120	44.4	21.9	65.7



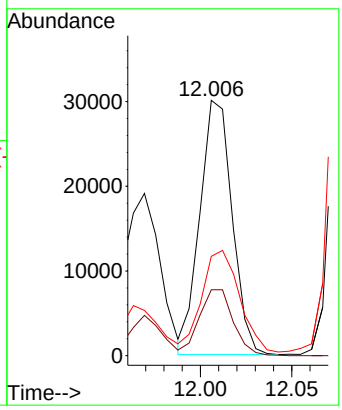


#86
p-Isopropyltoluene
Concen: 3.135 ug/l
RT: 12.006 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047447.D
Acq: 20 Aug 2025 16:52

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

Tgt Ion:119 Resp: 36960

Ion	Ratio	Lower	Upper
119	100		
134	27.4	12.8	38.4
91	46.4	12.4	37.4#



Sample Results: **VX047447.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047447.D
Acq On : 20 Aug 2025 16:52
Operator : JC/MD
Sample : Q2900-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047447.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.392	44	50	57	rVV	988298	1316185	1.55%	0.355%
2	3.111	322	332	365	rBV	7506432	16261227	19.14%	4.386%
3	4.507	548	561	588	rBV	2016413	6069323	7.14%	1.637%
4	6.068	804	817	857	rVB	21248578	65870691	77.54%	17.765%
5	6.775	923	933	957	rBV	326471	850638	1.00%	0.229%
6	8.653	1234	1241	1246	rBV	750487	1198553	1.41%	0.323%
7	8.726	1246	1253	1267	rVB	12400171	20271307	23.86%	5.467%
8	10.055	1465	1471	1486	rBV	838330	1182391	1.39%	0.319%
9	10.195	1488	1494	1503	rVV	13113027	17598547	20.72%	4.746%
10	10.305	1503	1512	1527	rVB	6838107	9184666	10.81%	2.477%
11	10.646	1562	1568	1586	rVB3	12038627	20680057	24.34%	5.577%
12	10.963	1614	1620	1632	rBV	890881	1149169	1.35%	0.310%
13	11.396	1682	1691	1696	rBV	2826737	4188122	4.93%	1.130%
14	11.451	1696	1700	1706	rVB	1301873	1551158	1.83%	0.418%
15	11.610	1721	1726	1740	rVB2	1948810	3340828	3.93%	0.901%
16	11.750	1741	1749	1754	rBV	6333085	8010466	9.43%	2.160%
17	11.805	1754	1758	1762	rVV	3824612	4553784	5.36%	1.228%
18	11.847	1762	1765	1769	rVB	818515	966969	1.14%	0.261%
19	12.018	1788	1793	1798	rBV2	931756	1248239	1.47%	0.337%
20	12.085	1799	1804	1808	rVV	3271586	3949157	4.65%	1.065%
21	12.244	1824	1830	1838	rBV	6818266	9011327	10.61%	2.430%
22	12.421	1852	1859	1864	rBV	32881195	46691171	54.96%	12.592%
23	12.610	1884	1890	1894	rBV	909718	1120737	1.32%	0.302%
24	12.963	1944	1948	1953	rBV3	604257	881020	1.04%	0.238%
25	13.286	1992	2001	2005	rBV2	1240098	1770735	2.08%	0.478%
26	13.341	2005	2010	2017	rVB	6478994	7586068	8.93%	2.046%
27	13.426	2018	2024	2030	rVV	7474814	9900120	11.65%	2.670%
28	13.792	2074	2084	2089	rBV2	45260096	84955327	100.00%	22.912%
29	13.871	2092	2097	2103	rVB	3626976	4402890	5.18%	1.187%
30	14.634	2218	2222	2231	rVB2	2138264	2969397	3.50%	0.801%
31	14.780	2240	2246	2258	rVB	9381893	12063777	14.20%	3.253%

Sum of corrected areas: 370794046

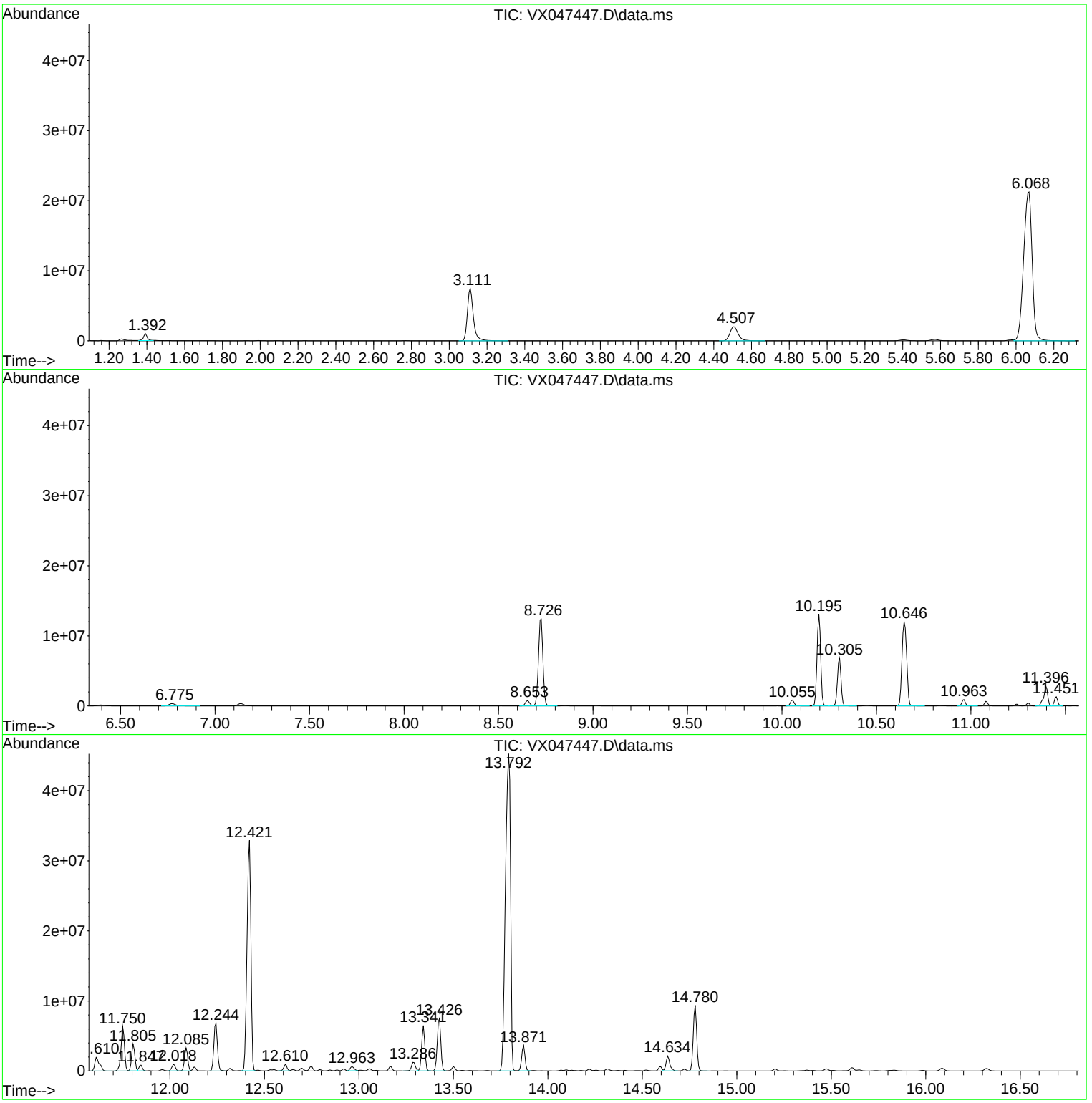
Sample Results: **VX047447.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047447.D
Acq On : 20 Aug 2025 16:52
Operator : JC/MD
Sample : Q2900-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

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



Sample Results: **VX047447.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047447.D
Acq On : 20 Aug 2025 16:52
Operator : JC/MD
Sample : Q2900-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

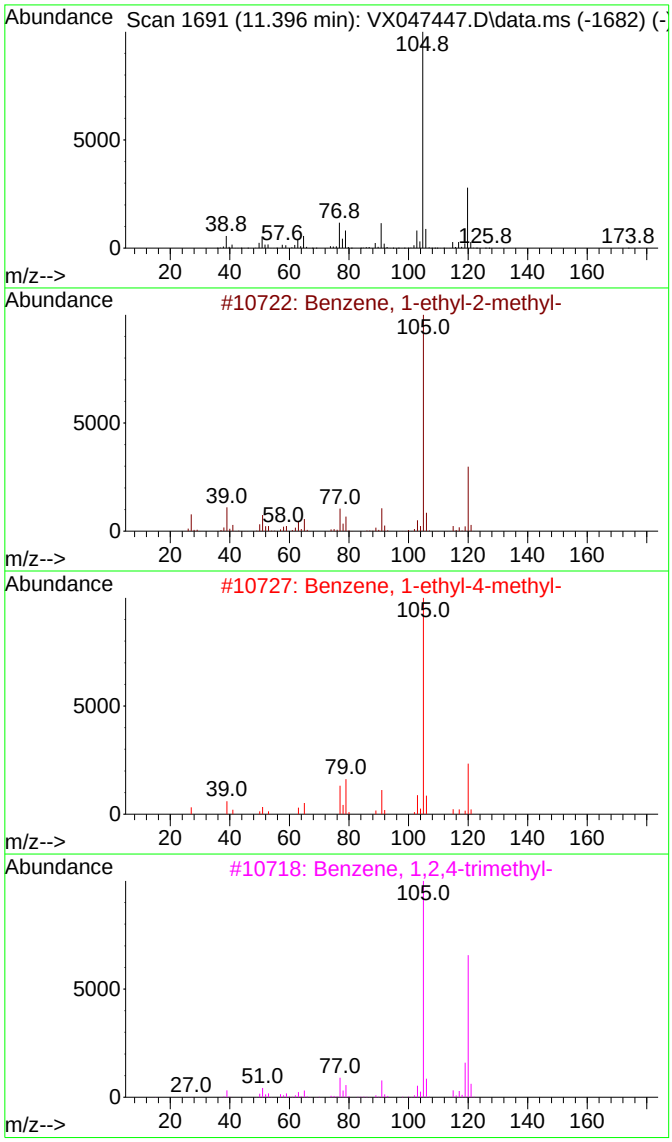
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

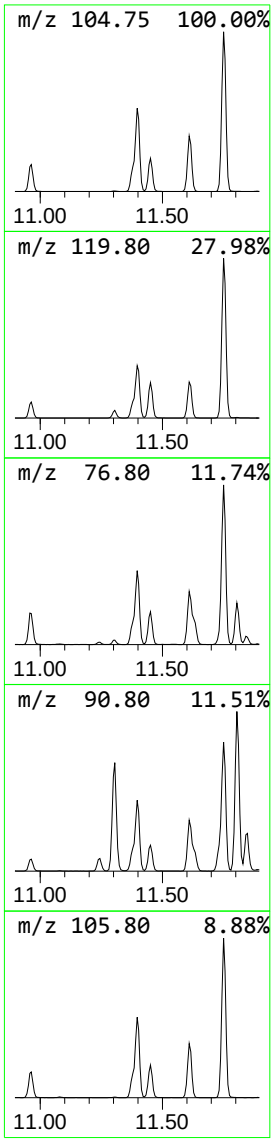
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.396	167.76 ug/l	4188120	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047447.D
Acq On : 20 Aug 2025 16:52
Operator : JC/MD
Sample : Q2900-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

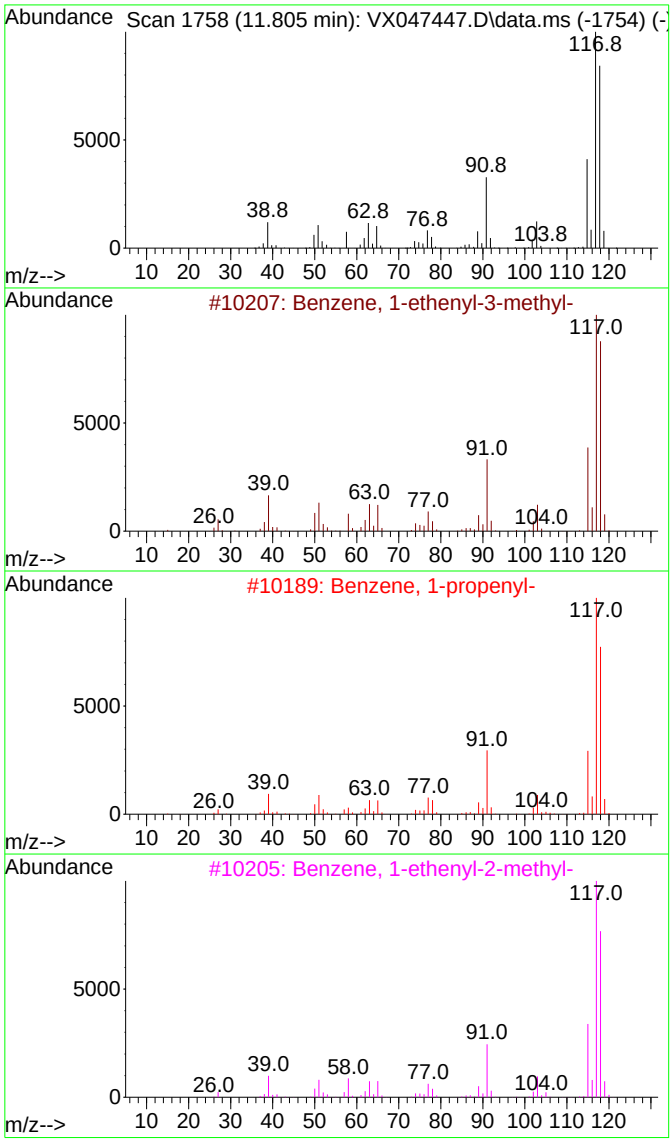
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

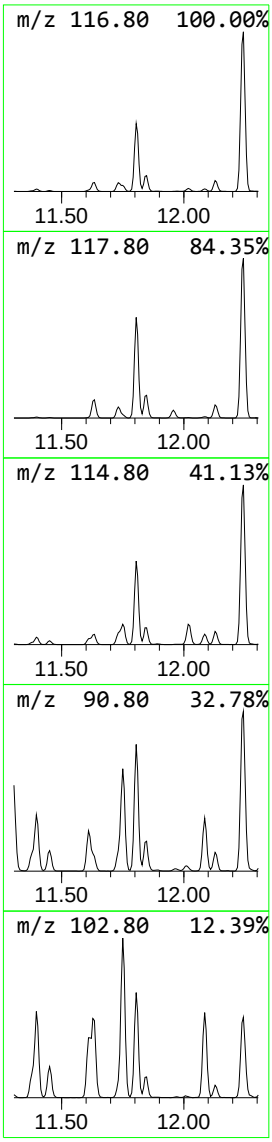
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.805	182.41 ug/l	4553780	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	95
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
4	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	93
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047447.D
Acq On : 20 Aug 2025 16:52
Operator : JC/MD
Sample : Q2900-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

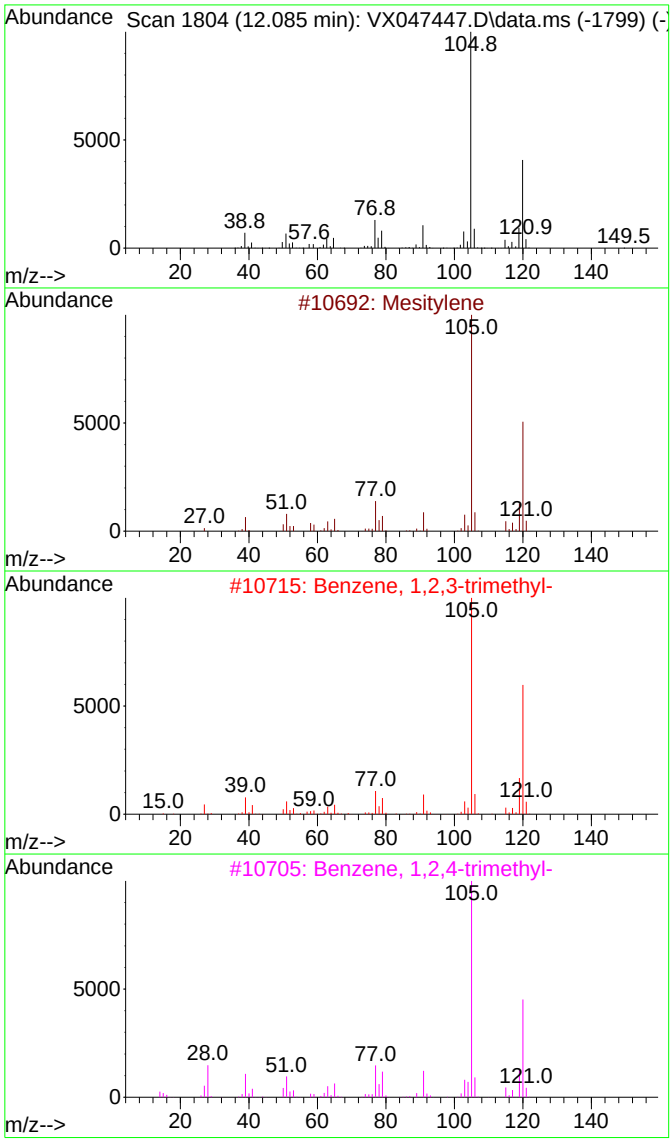
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

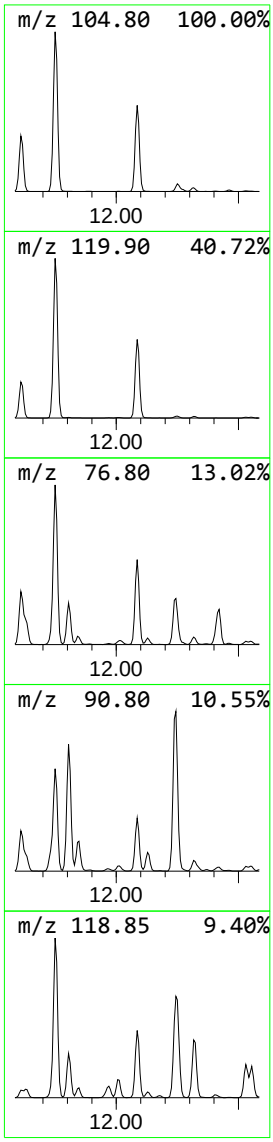
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.085	158.19 ug/l	3949160	1,4-Dichlorobenzene-d4	12.024

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	94
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047447.D
Acq On : 20 Aug 2025 16:52
Operator : JC/MD
Sample : Q2900-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

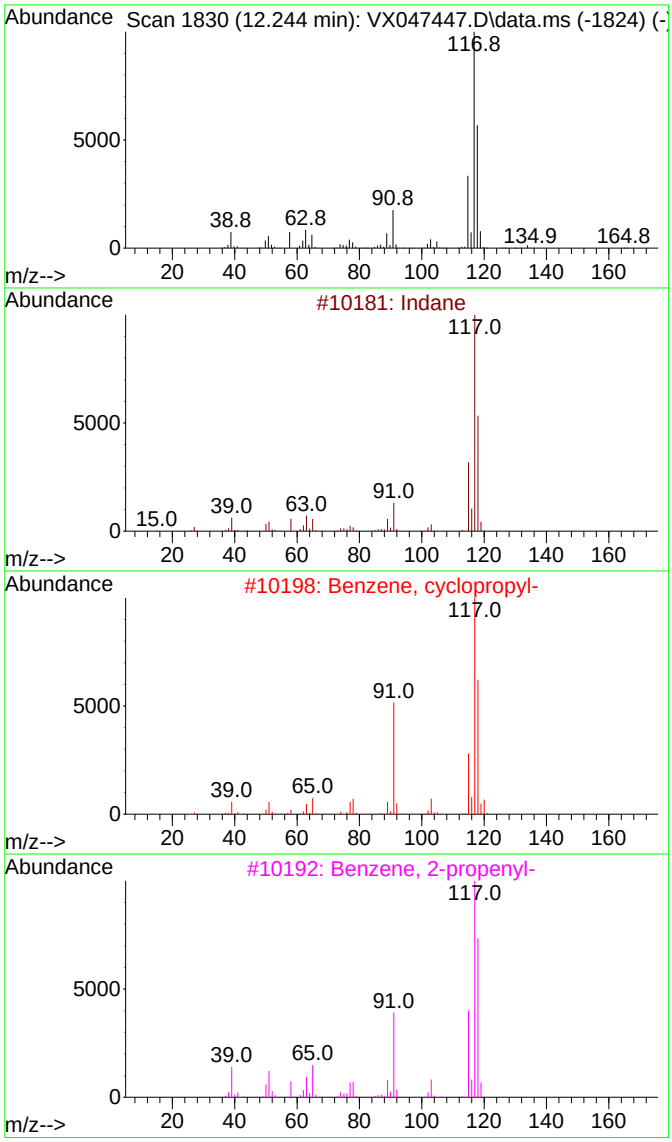
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

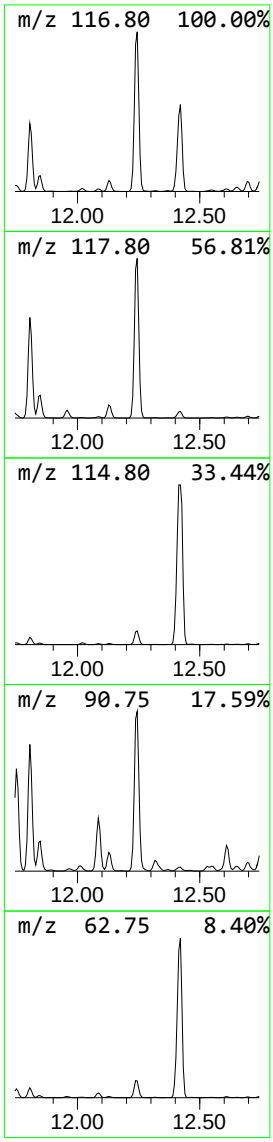
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Indane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.244	360.96 ug/l	9011330	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	74
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	74
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	74
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047447.D
Acq On : 20 Aug 2025 16:52
Operator : JC/MD
Sample : Q2900-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

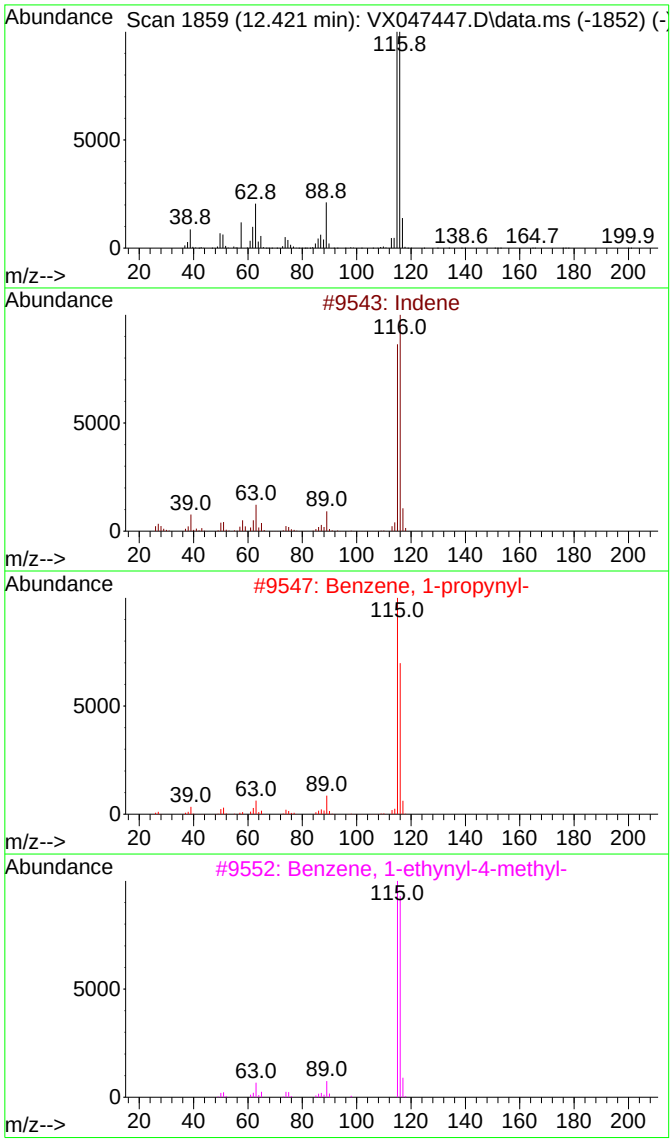
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

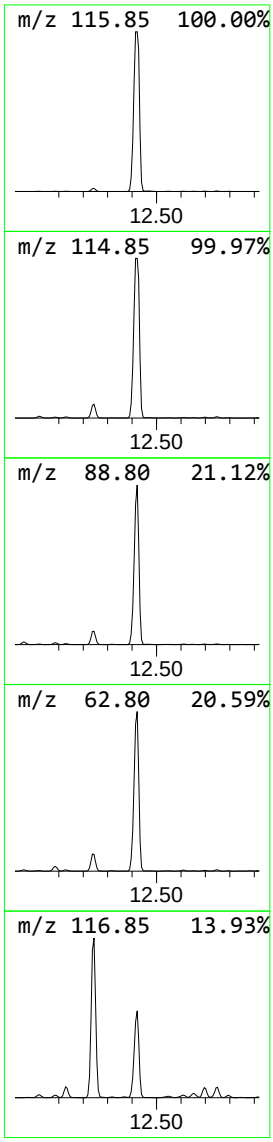
****

Peak Number 5 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.421	1870.28 ug/l	46691200	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	96
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
3	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	86
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	86
5	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047447.D
Acq On : 20 Aug 2025 16:52
Operator : JC/MD
Sample : Q2900-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

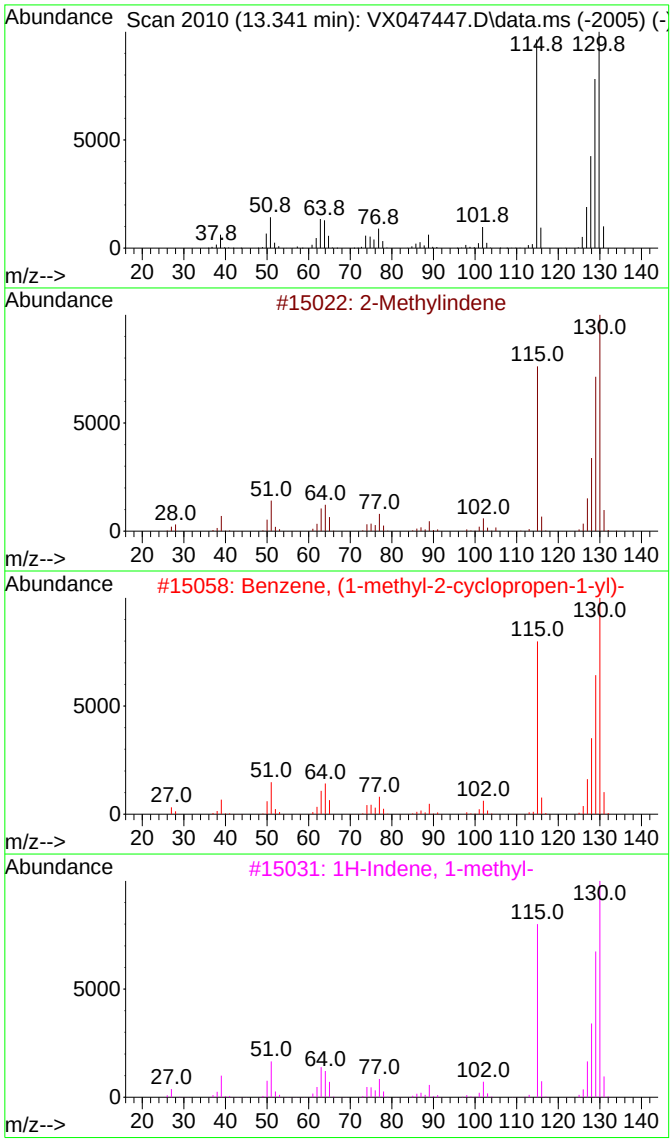
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

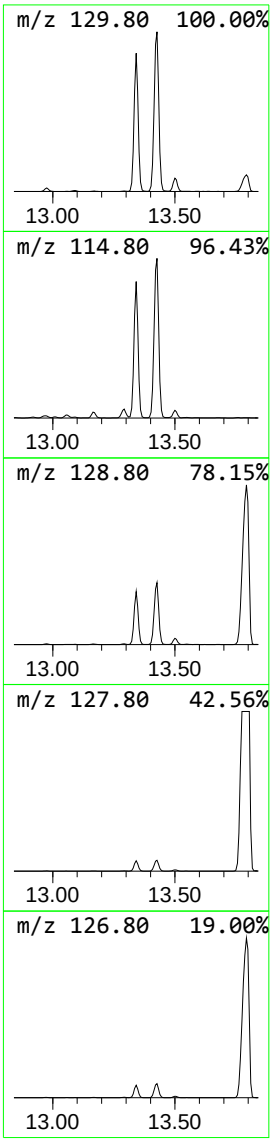
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 2-Methylindene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.341	303.87 ug/l	7586070	1,4-Dichlorobenzene-d4	12.024

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	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	96
5	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	96





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047447.D
Acq On : 20 Aug 2025 16:52
Operator : JC/MD
Sample : Q2900-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

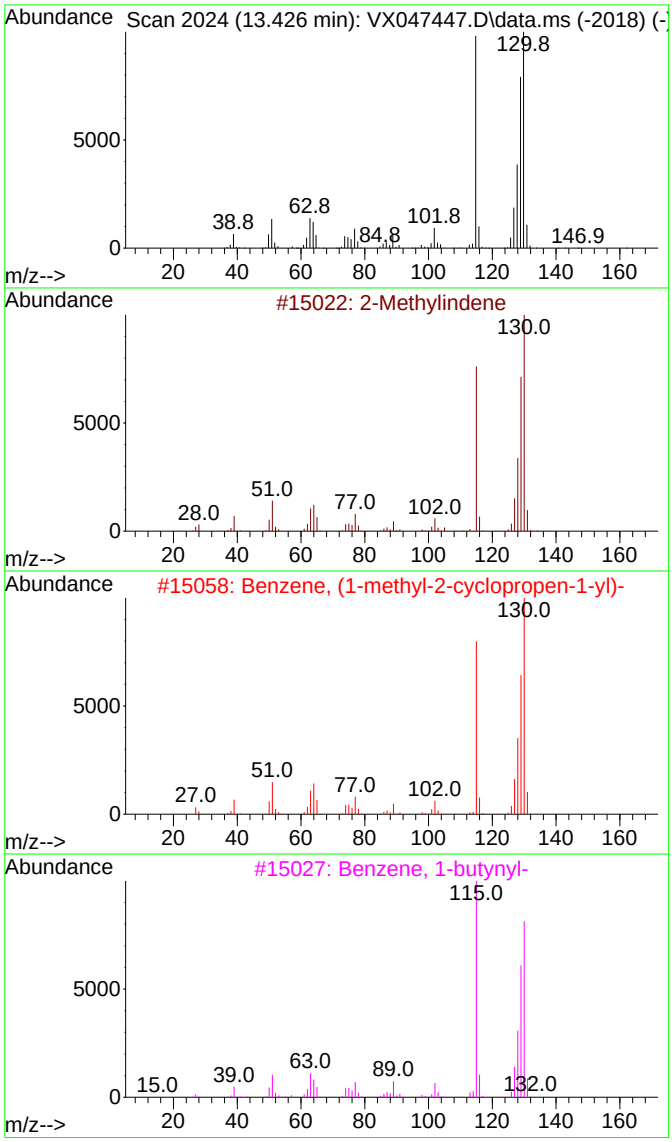
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

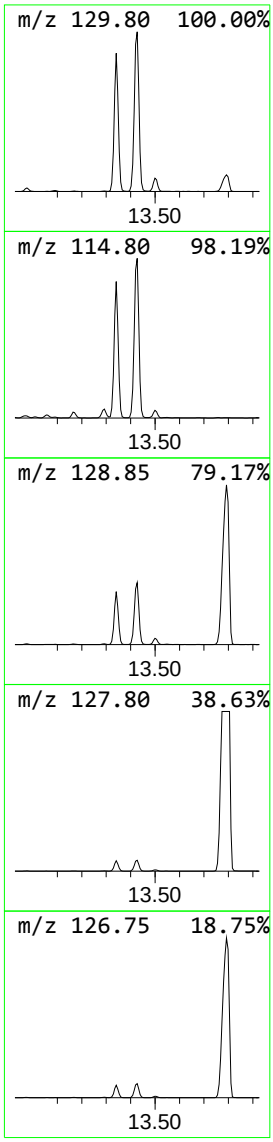
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, (1-methyl-2-cyclop... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.426	396.56 ug/l	9900120	1,4-Dichlorobenzene-d4	12.024

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	96
3	Benzene, 1-butynyl-	130	C10H10	000622-76-4	96
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047447.D
Acq On : 20 Aug 2025 16:52
Operator : JC/MD
Sample : Q2900-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

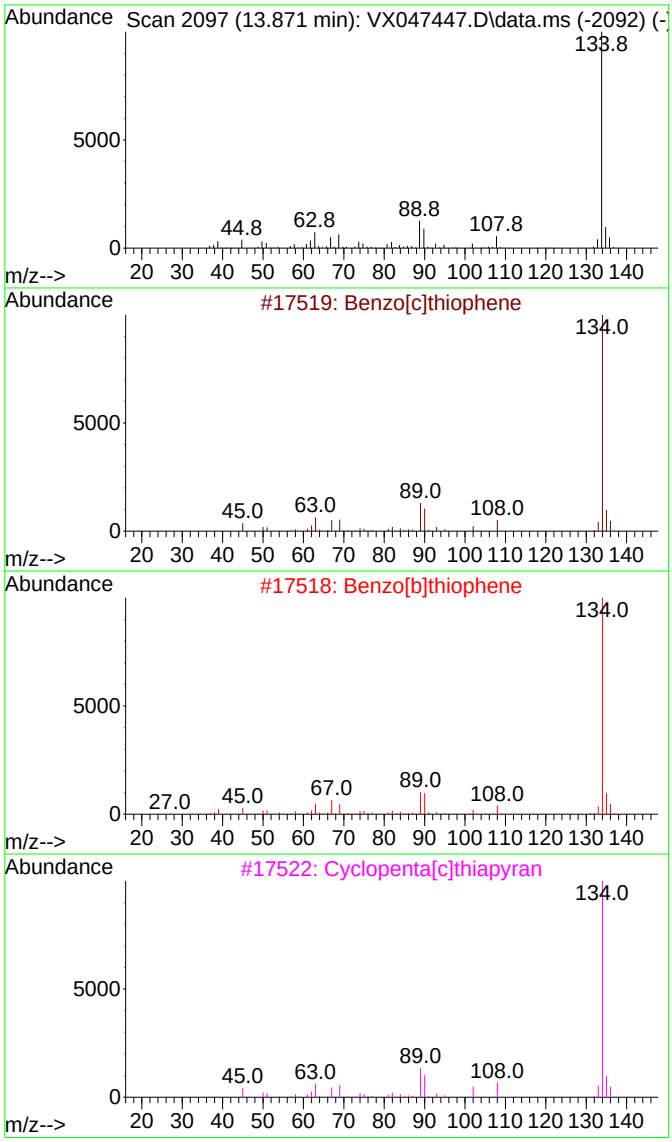
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

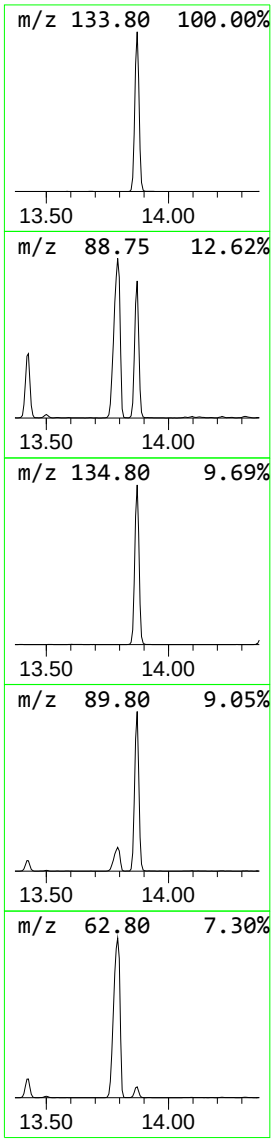
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzo[c]thiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.871	176.36 ug/l	4402890	1,4-Dichlorobenzene-d4	12.024

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	94
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
4	[1]Benzothieno[2',3':3,4]cyclobu...	246	C13H10O3S	034002-19-2	56
5	2H-Benzimidazol-2-one, 1,3-dihydro-	134	C7H6N2O	000615-16-7	42





Sample Results: **VX047447.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047447.D
Acq On : 20 Aug 2025 16:52
Operator : JC/MD
Sample : Q2900-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.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-ethy...	11.396	167.8	ug/l	4188120	4	12.024	1248240	50.0
Benzene, 1-ethe...	11.805	182.4	ug/l	4553780	4	12.024	1248240	50.0
Benzene, 1,2,3-...	12.085	158.2	ug/l	3949160	4	12.024	1248240	50.0
Indane	12.244	361.0	ug/l	9011330	4	12.024	1248240	50.0
Indene	12.421	1870.3	ug/l	46691200	4	12.024	1248240	50.0
2-Methylindene	13.341	303.9	ug/l	7586070	4	12.024	1248240	50.0
Benzene, (1-met...	13.426	396.6	ug/l	9900120	4	12.024	1248240	50.0
Benzo[c]thiophene	13.871	176.4	ug/l	4402890	4	12.024	1248240	50.0

Raw Data: **VX047465.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:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	MW-11C-081825DL	SDG No.:	Q2900
Lab Sample ID:	Q2900-05DL	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
VX047465.D	50	08/21/25 13:25	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	250	UD	11.0	250	ug/L
74-87-3	Chloromethane	250	UD	16.0	250	ug/L
75-01-4	Vinyl Chloride	240	JD	13.0	250	ug/L
74-83-9	Bromomethane	250	UD	72.0	250	ug/L
75-00-3	Chloroethane	250	UD	23.5	250	ug/L
75-69-4	Trichlorofluoromethane	250	UD	16.5	250	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	250	UD	12.5	250	ug/L
75-35-4	1,1-Dichloroethene	250	UD	11.5	250	ug/L
67-64-1	Acetone	1300	UD	75.5	1300	ug/L
75-15-0	Carbon Disulfide	250	UD	10.5	250	ug/L
1634-04-4	Methyl tert-butyl Ether	250	UD	8.00	250	ug/L
79-20-9	Methyl Acetate	250	UD	13.5	250	ug/L
75-09-2	Methylene Chloride	250	UD	14.0	250	ug/L
156-60-5	trans-1,2-Dichloroethene	1300	D	11.5	250	ug/L
75-34-3	1,1-Dichloroethane	250	UD	11.5	250	ug/L
110-82-7	Cyclohexane	250	UD	72.5	250	ug/L
78-93-3	2-Butanone	1300	UD	49.0	1300	ug/L
56-23-5	Carbon Tetrachloride	250	UD	12.5	250	ug/L
156-59-2	cis-1,2-Dichloroethene	420	D	9.50	250	ug/L
74-97-5	Bromochloromethane	250	UD	11.0	250	ug/L
67-66-3	Chloroform	250	UD	12.5	250	ug/L
71-55-6	1,1,1-Trichloroethane	250	UD	10.0	250	ug/L
108-87-2	Methylcyclohexane	250	UD	8.00	250	ug/L
71-43-2	Benzene	2900	D	7.50	250	ug/L
107-06-2	1,2-Dichloroethane	250	UD	11.0	250	ug/L
79-01-6	Trichloroethene	52.0	JD	4.70	250	ug/L
78-87-5	1,2-Dichloropropane	250	UD	10.0	250	ug/L
75-27-4	Bromodichloromethane	250	UD	11.0	250	ug/L
108-10-1	4-Methyl-2-Pentanone	1300	UD	34.0	1300	ug/L
108-88-3	Toluene	700	D	7.00	250	ug/L

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	MW-11C-081825DL	SDG No.:	Q2900
Lab Sample ID:	Q2900-05DL	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
VX047465.D	50	08/21/25 13:25	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	250	UD	8.50	250	ug/L
10061-01-5	cis-1,3-Dichloropropene	250	UD	8.00	250	ug/L
79-00-5	1,1,2-Trichloroethane	250	UD	10.5	250	ug/L
591-78-6	2-Hexanone	1300	UD	44.5	1300	ug/L
124-48-1	Dibromochloromethane	250	UD	9.00	250	ug/L
106-93-4	1,2-Dibromoethane	250	UD	7.50	250	ug/L
127-18-4	Tetrachloroethene	250	UD	11.5	250	ug/L
108-90-7	Chlorobenzene	250	UD	6.00	250	ug/L
100-41-4	Ethyl Benzene	510	D	6.50	250	ug/L
179601-23-1	m/p-Xylenes	270	JD	12.0	500	ug/L
95-47-6	o-Xylene	360	D	6.00	250	ug/L
100-42-5	Styrene	280	D	7.50	250	ug/L
75-25-2	Bromoform	250	UD	9.50	250	ug/L
98-82-8	Isopropylbenzene	31.4	JD	6.00	250	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	250	UD	13.0	250	ug/L
541-73-1	1,3-Dichlorobenzene	250	UD	8.00	250	ug/L
106-46-7	1,4-Dichlorobenzene	250	UD	9.50	250	ug/L
95-50-1	1,2-Dichlorobenzene	250	UD	8.00	250	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	250	UD	26.5	250	ug/L
120-82-1	1,2,4-Trichlorobenzene	250	UD	10.0	250	ug/L
87-61-6	1,2,3-Trichlorobenzene	250	UD	10.0	250	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.9		74 - 125	108%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		75 - 124	96%	SPK: 50
2037-26-5	Toluene-d8	48.5		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.3		77 - 121	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	217000	5.562			
540-36-3	1,4-Difluorobenzene	440000	6.769			
3114-55-4	Chlorobenzene-d5	437000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	229000	12.018			

Raw Data: **VX047465.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	MW-11C-081825DL	SDG No.:	Q2900
Lab Sample ID:	Q2900-05DL	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
VX047465.D	50	08/21/25 13:25	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047465.D
Acq On : 21 Aug 2025 13:25
Operator : JC/MD
Sample : Q2900-05DL 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825DL

Quant Time: Aug 22 03:45:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

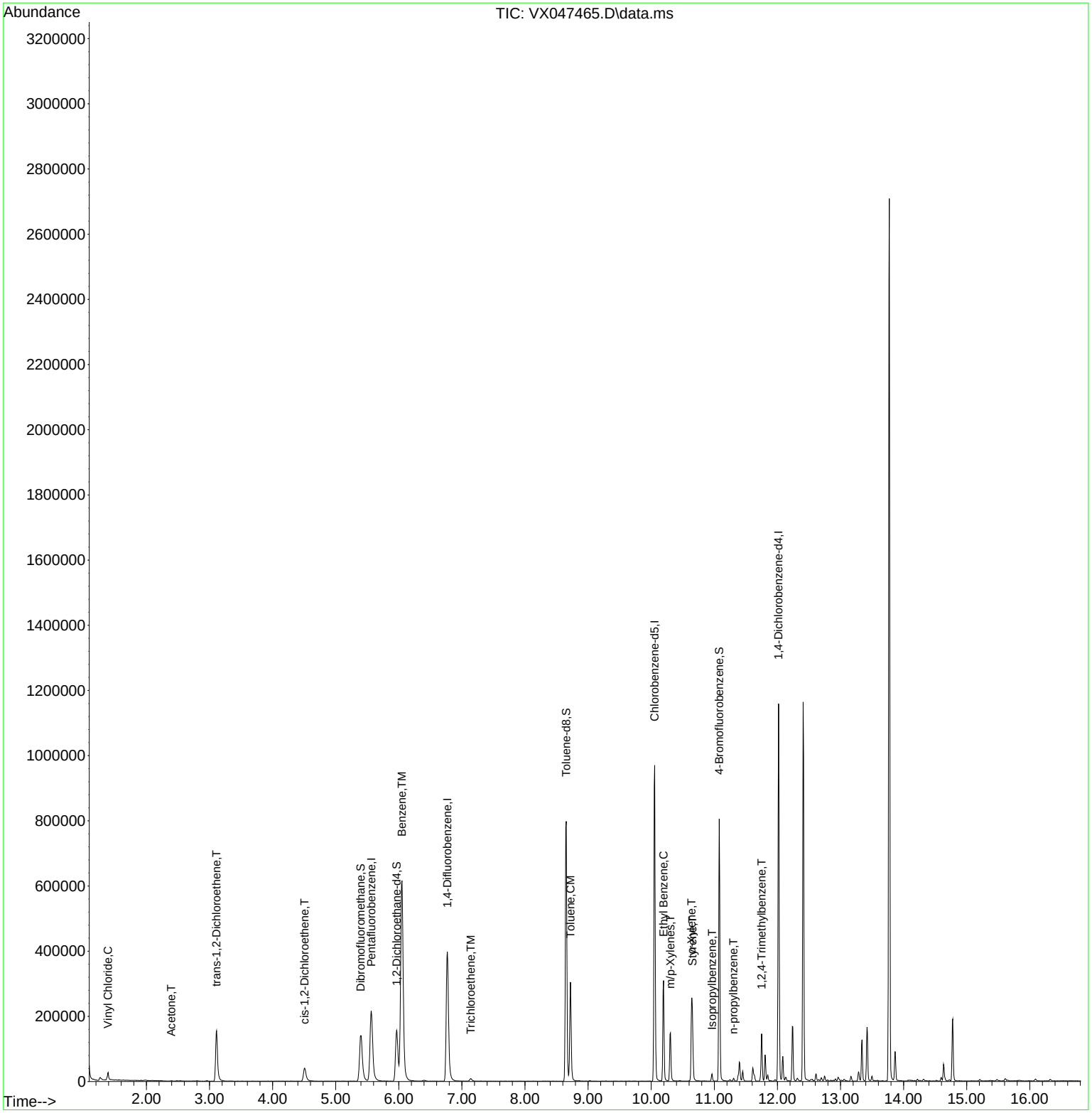
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	217485	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	440392	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	436547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	229381	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	164181	53.940	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.880%			
35) Dibromofluoromethane	5.397	113	136895	47.896	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.800%			
50) Toluene-d8	8.653	98	495256	48.479	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.960%			
62) 4-Bromofluorobenzene	11.079	95	212086	56.258	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.520%			
Target Compounds						Qvalue
4) Vinyl Chloride	1.392	62	15069	4.814	ug/l	95
16) Acetone	2.392	43	1537	1.343	ug/l #	86
21) trans-1,2-Dichloroethene	3.111	96	74912	25.775	ug/l	95
27) cis-1,2-Dichloroethene	4.507	96	28358	8.377	ug/l	89
40) Benzene	6.050	78	796444	58.975	ug/l	98
44) Trichloroethene	7.141	130	3593	1.039	ug/l	84
52) Toluene	8.720	92	117616	14.094	ug/l	99
67) Ethyl Benzene	10.195	91	181825	10.183	ug/l	98
68) m/p-Xylenes	10.305	106	36436	5.473	ug/l	97
69) o-Xylene	10.640	106	46169	7.206	ug/l	96
70) Styrene	10.653	104	60840	5.620	ug/l	99
73) Isopropylbenzene	10.963	105	11263	0.627	ug/l	99
78) n-propylbenzene	11.305	91	5869	0.274	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	61775	4.183	ug/l	99

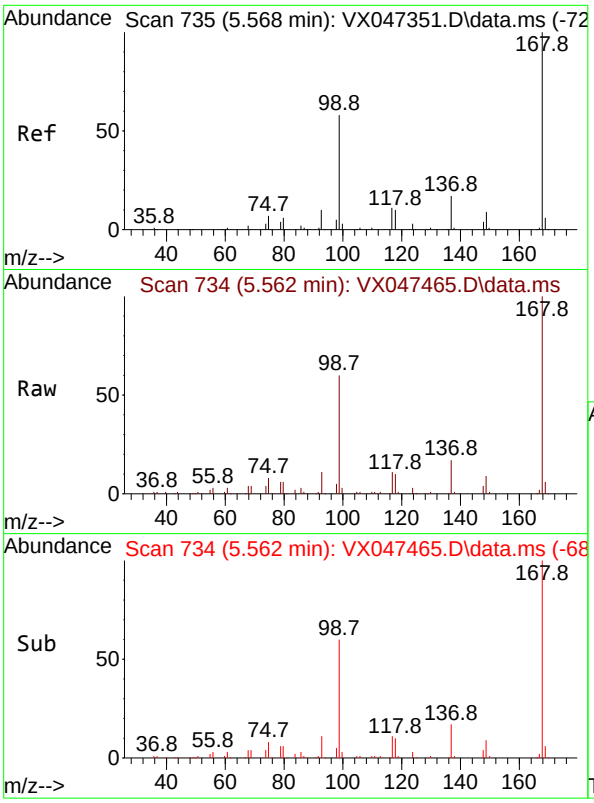
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047465.D
Acq On : 21 Aug 2025 13:25
Operator : JC/MD
Sample : Q2900-05DL 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825DL

Quant Time: Aug 22 03:45:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



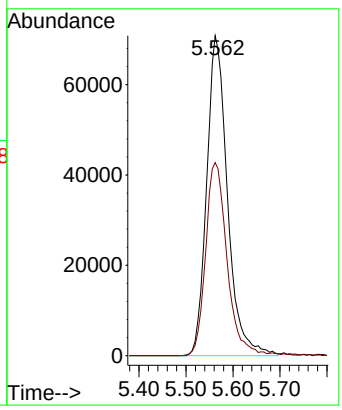


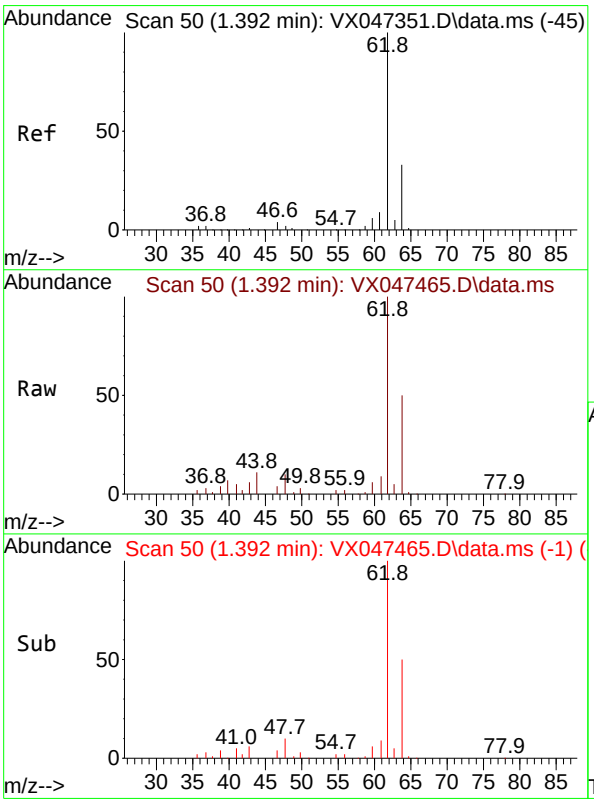
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047465.D
Acq: 21 Aug 2025 13:25

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825DL

Tgt Ion:168 Resp: 217485

Ion	Ratio	Lower	Upper
168	100		
99	60.4	47.9	71.9

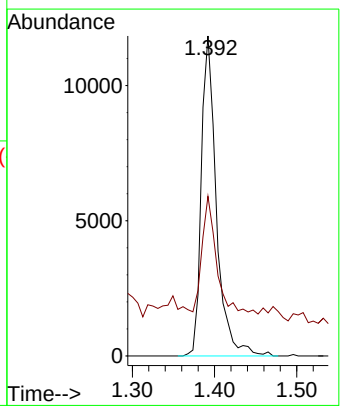


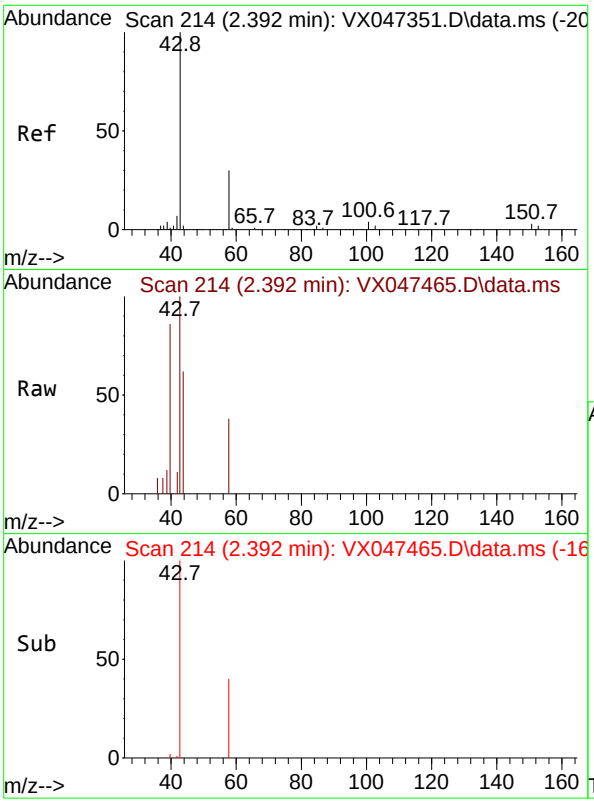


#4
Vinyl Chloride
Concen: 4.814 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.000 min
Lab File: VX047465.D
Acq: 21 Aug 2025 13:25

Tgt Ion: 62 Resp: 15069

Ion	Ratio	Lower	Upper
62	100		
64	36.0	26.5	39.7



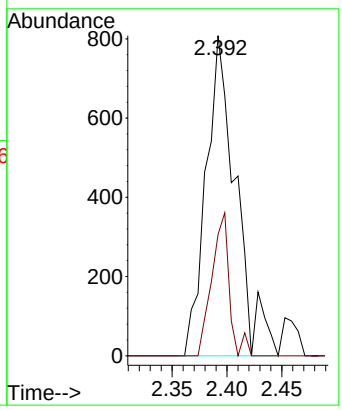


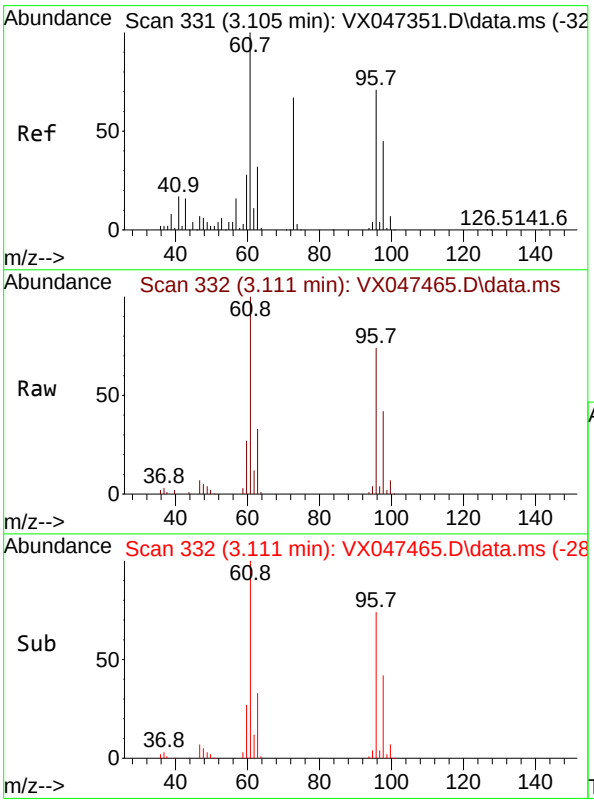
#16
Acetone
Concen: 1.343 ug/l
RT: 2.392 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047465.D
Acq: 21 Aug 2025 13:25

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825DL

Tgt Ion: 43 Resp: 1537

Ion	Ratio	Lower	Upper
43	100		
58	23.4	24.8	37.2#

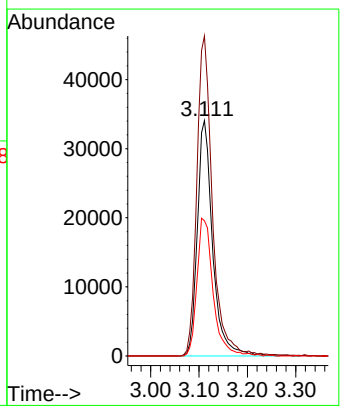


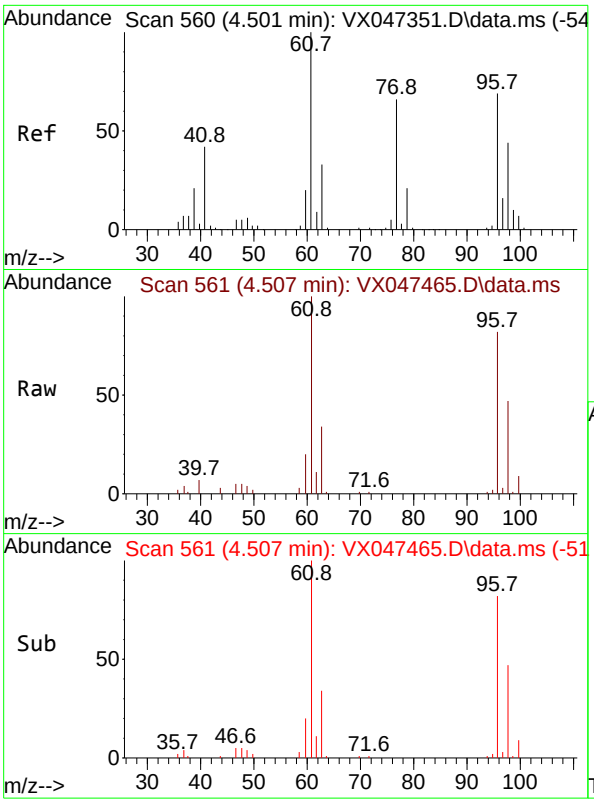


#21
trans-1,2-Dichloroethene
Concen: 25.775 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.006 min
Lab File: VX047465.D
Acq: 21 Aug 2025 13:25

Tgt Ion: 96 Resp: 74912

Ion	Ratio	Lower	Upper
96	100		
61	136.0	112.6	169.0
98	57.5	50.9	76.3



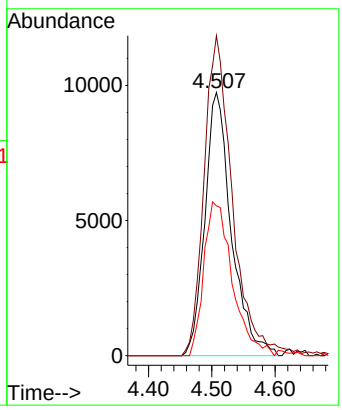


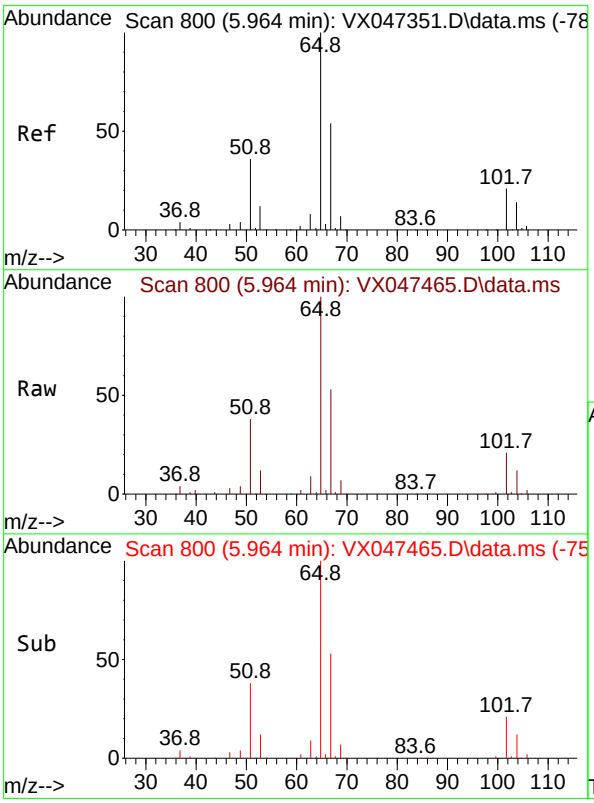
#27
cis-1,2-Dichloroethene
Concen: 8.377 ug/l
RT: 4.507 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047465.D
Acq: 21 Aug 2025 13:25

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825DL

Tgt Ion: 96 Resp: 28358

Ion	Ratio	Lower	Upper
96	100		
61	130.2	0.0	296.6
98	62.8	0.0	130.4

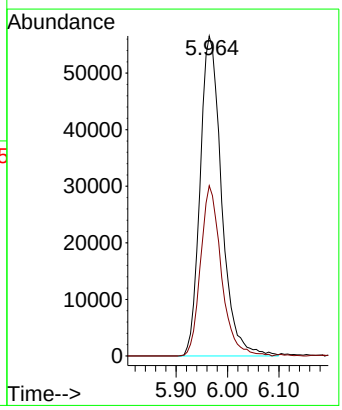


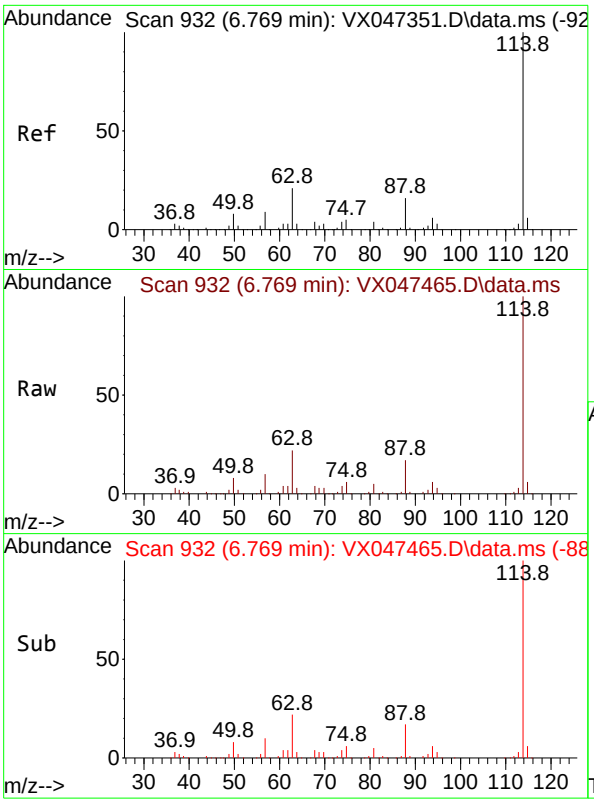


#33
1,2-Dichloroethane-d4
Concen: 53.940 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047465.D
Acq: 21 Aug 2025 13:25

Tgt Ion: 65 Resp: 164181

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	106.0



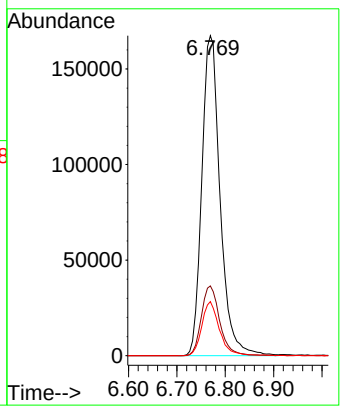


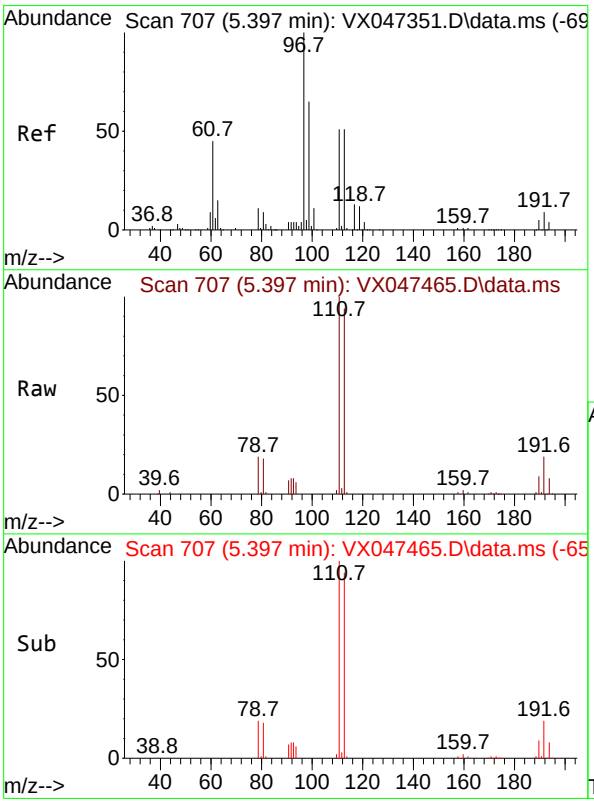
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047465.D
Acq: 21 Aug 2025 13:25

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825DL

Tgt Ion:114 Resp: 440392

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	42.4
88	16.9	0.0	33.0

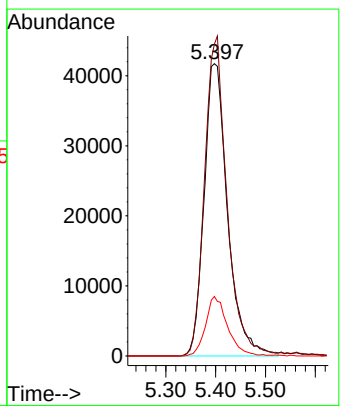


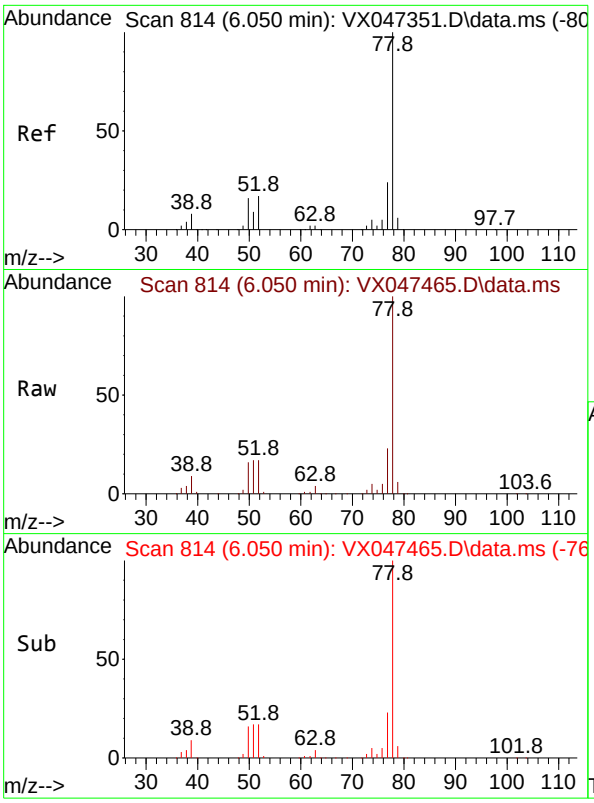


#35
Dibromofluoromethane
Concen: 47.896 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047465.D
Acq: 21 Aug 2025 13:25

Tgt Ion:113 Resp: 136895

Ion	Ratio	Lower	Upper
113	100		
111	104.6	81.4	122.2
192	19.1	14.1	21.1



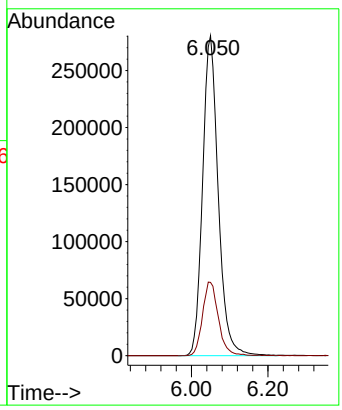


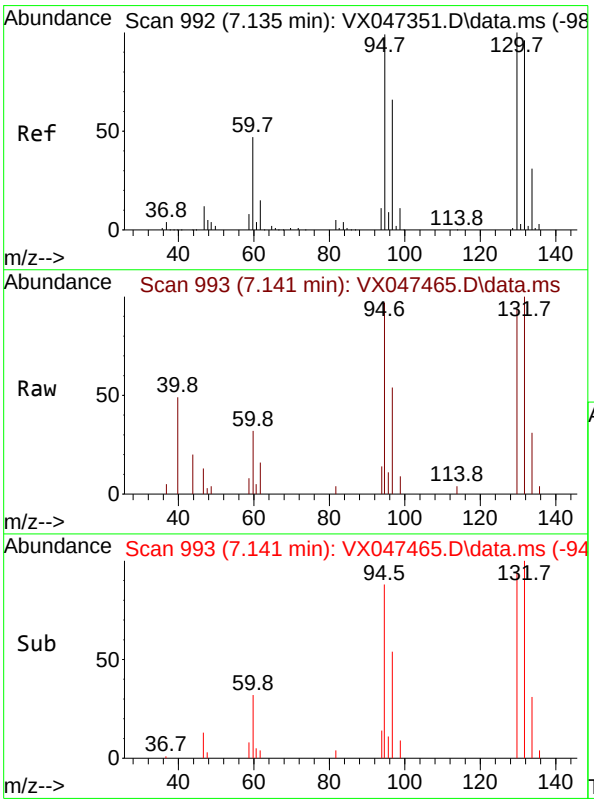
#40
Benzene
Concen: 58.975 ug/l
RT: 6.050 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047465.D
Acq: 21 Aug 2025 13:25

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825DL

Tgt Ion: 78 Resp: 796444

Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.0	28.4

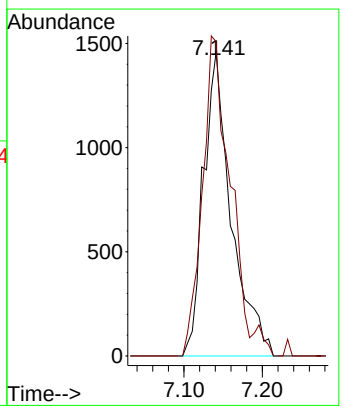


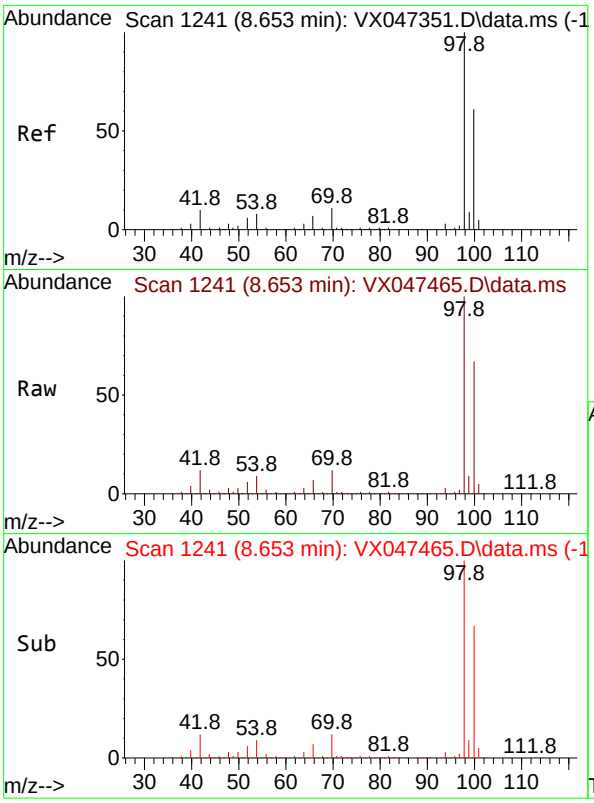


#44
Trichloroethene
Concen: 1.039 ug/l
RT: 7.141 min Scan# 993
Delta R.T. 0.006 min
Lab File: VX047465.D
Acq: 21 Aug 2025 13:25

Tgt Ion:130 Resp: 3593

Ion	Ratio	Lower	Upper
130	100		
95	115.0	0.0	198.6



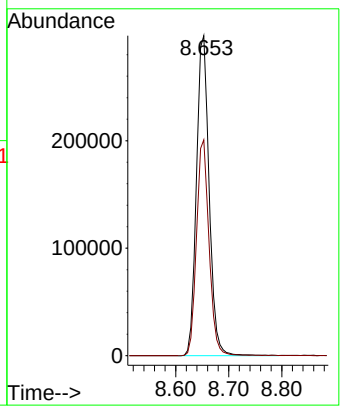


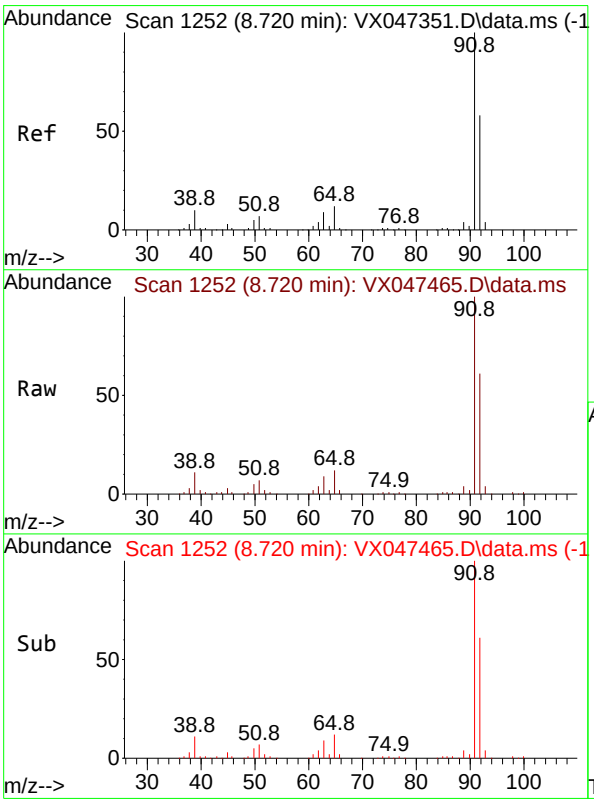
#50
Toluene-d8
Concen: 48.479 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047465.D
Acq: 21 Aug 2025 13:25

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825DL

Tgt Ion: 98 Resp: 495256

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.9	80.9

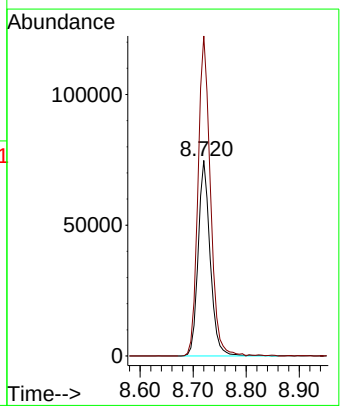


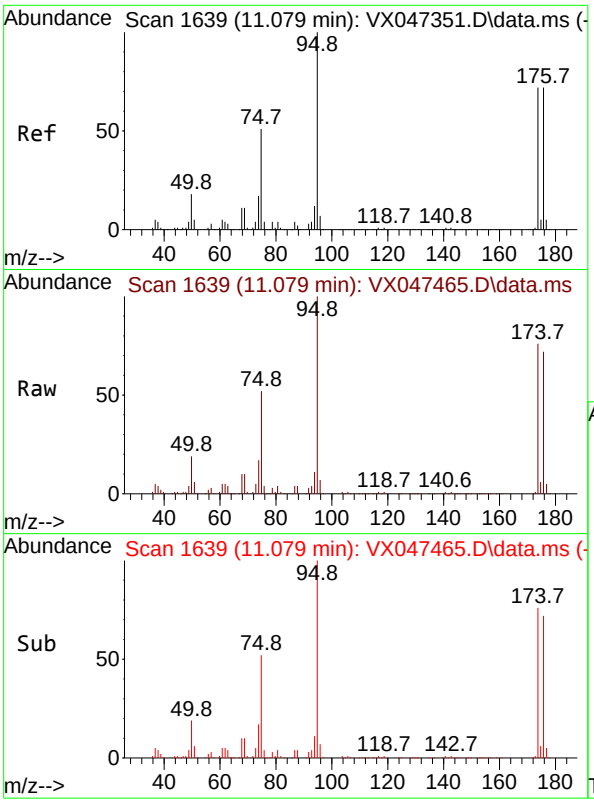


#52
Toluene
Concen: 14.094 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047465.D
Acq: 21 Aug 2025 13:25

Tgt Ion: 92 Resp: 117616

Ion	Ratio	Lower	Upper
92	100		
91	169.0	136.3	204.5



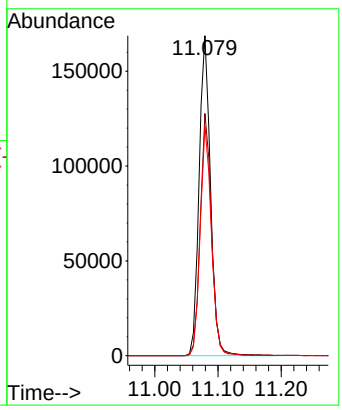


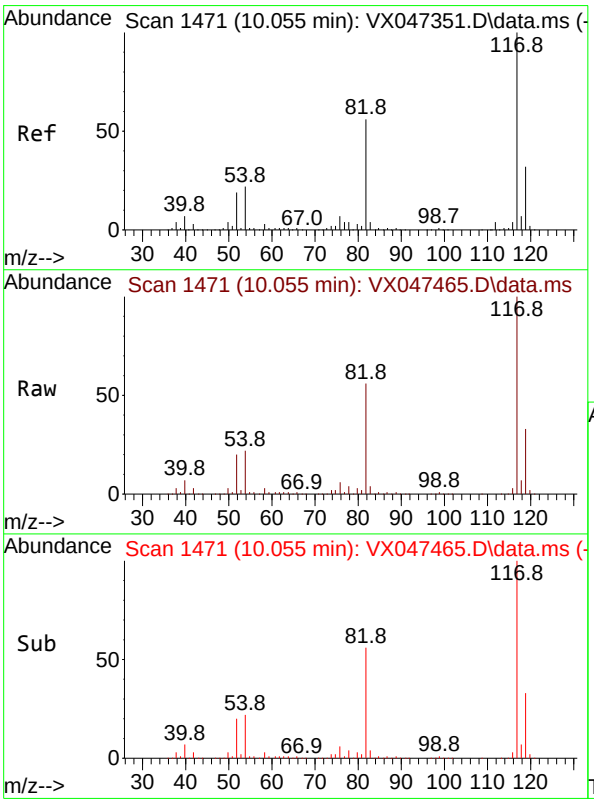
#62
4-Bromofluorobenzene
Concen: 56.258 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047465.D
Acq: 21 Aug 2025 13:25

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825DL

Tgt Ion: 95 Resp: 212086

Ion	Ratio	Lower	Upper
95	100		
174	74.9	0.0	148.0
176	70.7	0.0	145.4

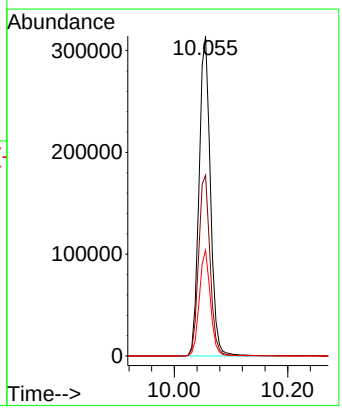


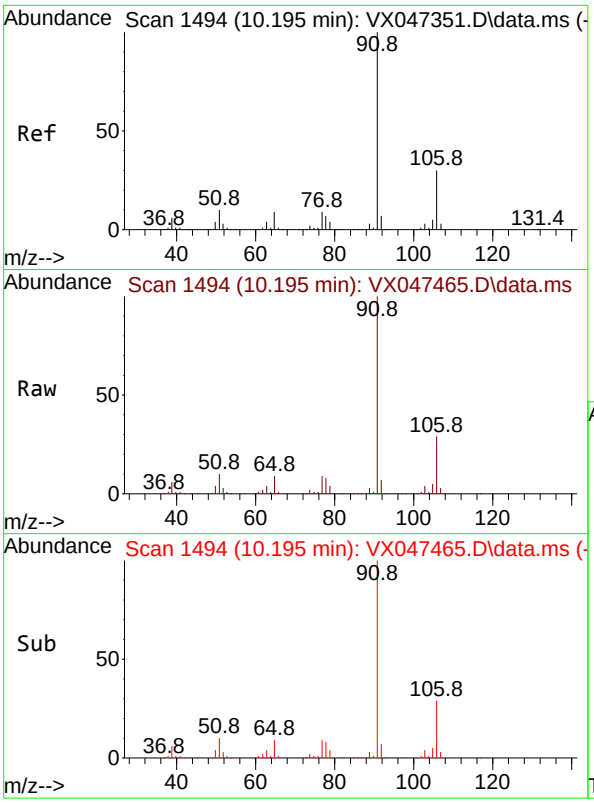


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047465.D
Acq: 21 Aug 2025 13:25

Tgt Ion:117 Resp: 436547

Ion	Ratio	Lower	Upper
117	100		
82	56.5	45.0	67.4
119	33.1	25.8	38.8



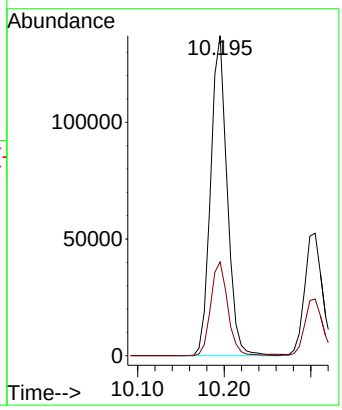


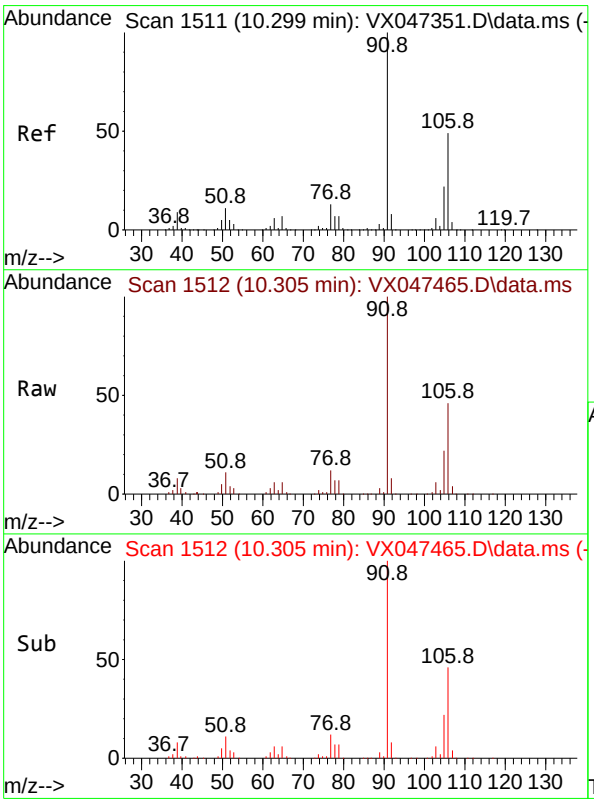
#67
Ethyl Benzene
Concen: 10.183 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047465.D
Acq: 21 Aug 2025 13:25

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825DL

Tgt Ion: 91 Resp: 181825

Ion	Ratio	Lower	Upper
91	100		
106	29.3	24.4	36.6

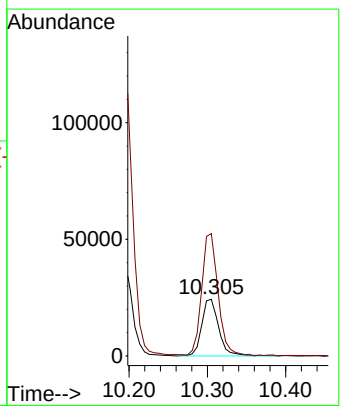


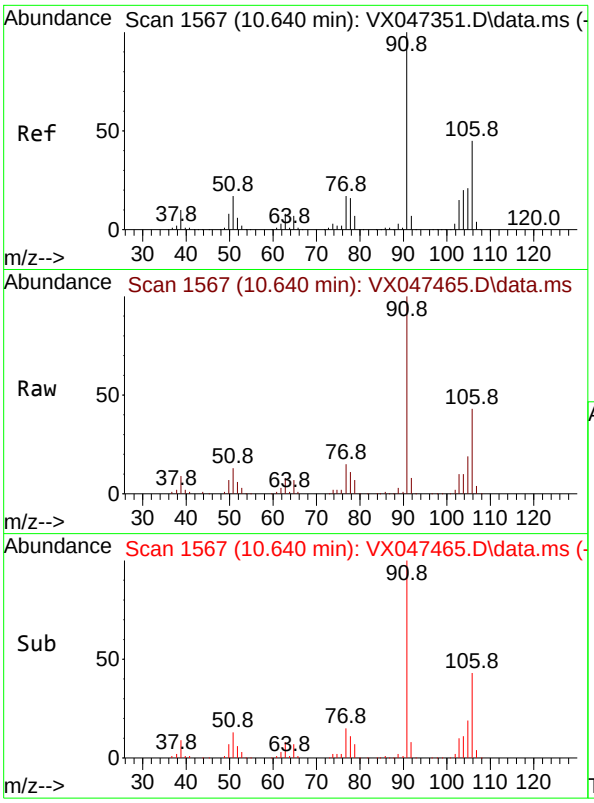


#68
m/p-Xylenes
Concen: 5.473 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX047465.D
Acq: 21 Aug 2025 13:25

Tgt Ion:106 Resp: 36436

Ion	Ratio	Lower	Upper
106	100		
91	210.8	164.7	247.1



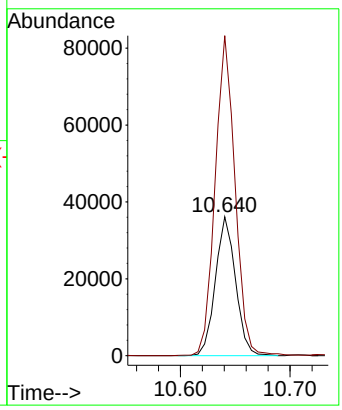


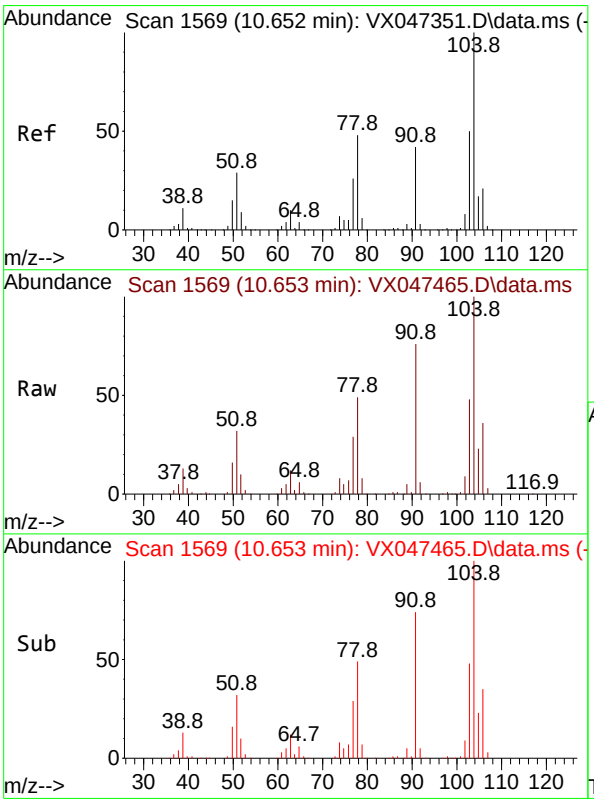
#69
o-Xylene
Concen: 7.206 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047465.D
Acq: 21 Aug 2025 13:25

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825DL

Tgt Ion:106 Resp: 46169

Ion	Ratio	Lower	Upper
106	100		
91	227.8	110.6	331.8

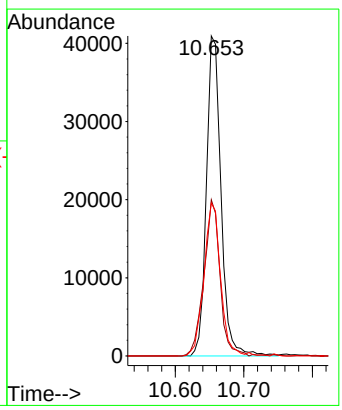


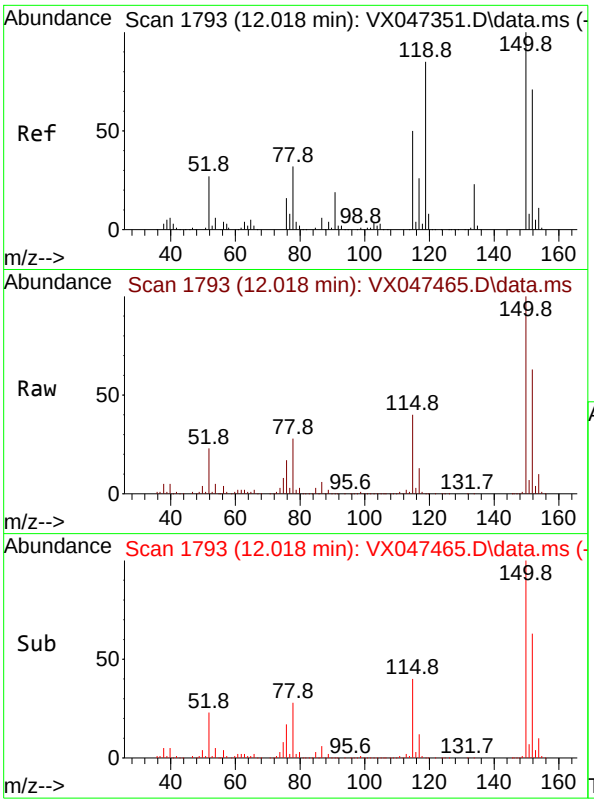


#70
Styrene
Concen: 5.620 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047465.D
Acq: 21 Aug 2025 13:25

Tgt Ion:104 Resp: 60840

Ion	Ratio	Lower	Upper
104	100		
78	53.7	41.8	62.8
103	54.6	43.6	65.4



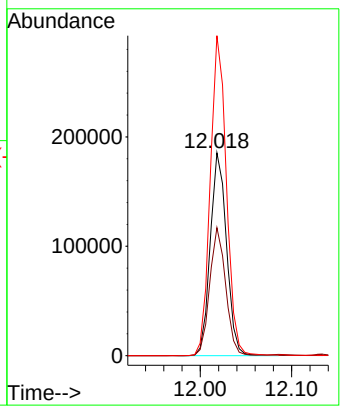


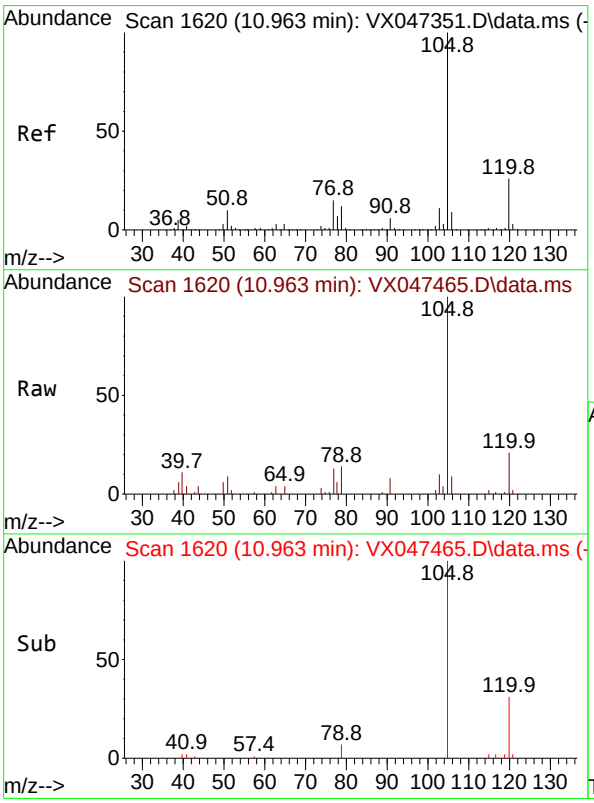
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047465.D
Acq: 21 Aug 2025 13:25

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825DL

Tgt Ion:152 Resp: 229381

Ion	Ratio	Lower	Upper
152	100		
115	61.8	44.6	133.8
150	156.1	0.0	349.8

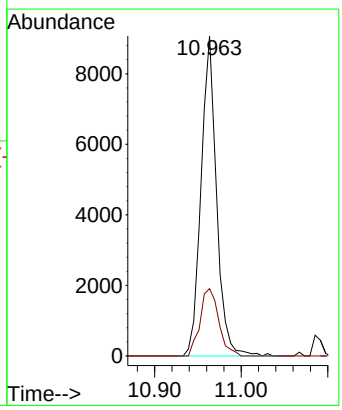


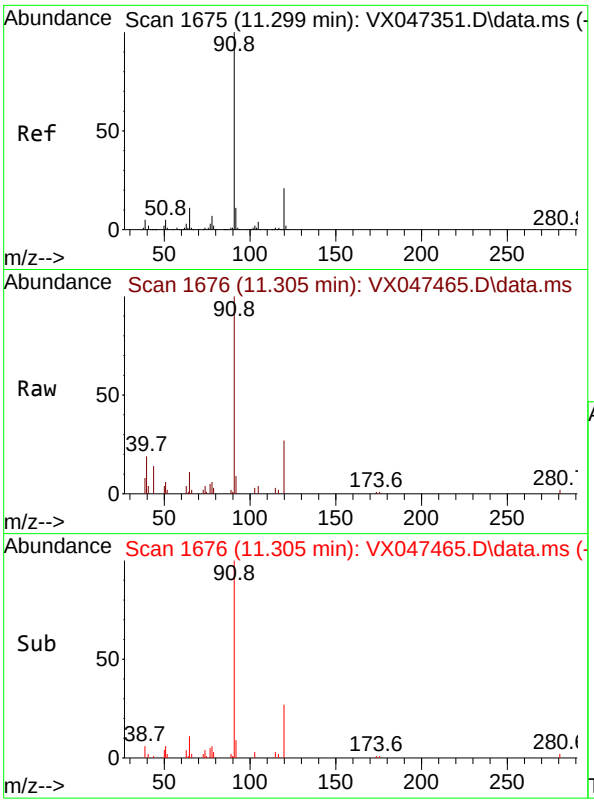


#73
Isopropylbenzene
Concen: 0.627 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX047465.D
Acq: 21 Aug 2025 13:25

Tgt Ion:105 Resp: 11263

Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.9	38.6



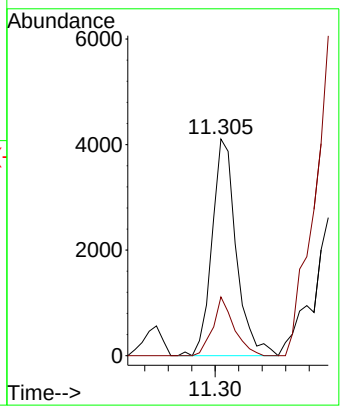


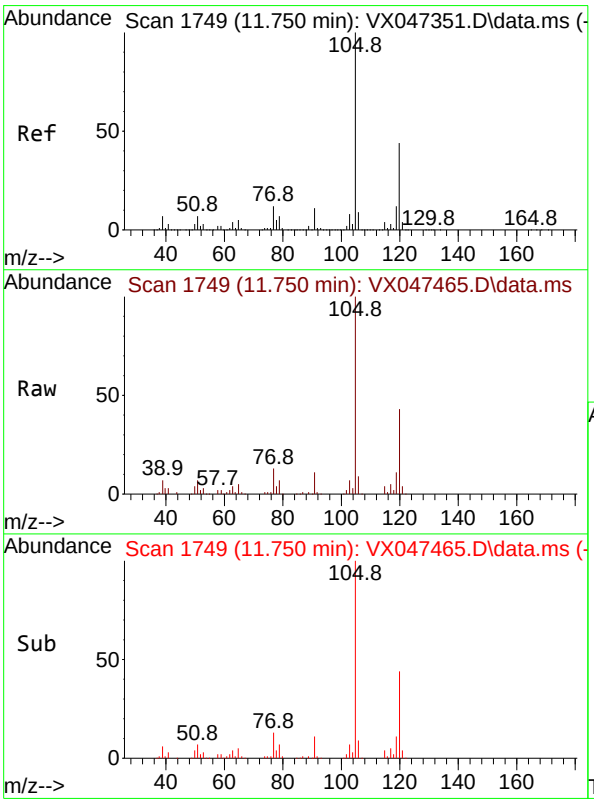
#78
n-propylbenzene
Concen: 0.274 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047465.D
Acq: 21 Aug 2025 13:25

Instrument :
MSVOA_X
ClientSampleId :
MW-11C-081825DL

Tgt Ion: 91 Resp: 5869

Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.0	33.0

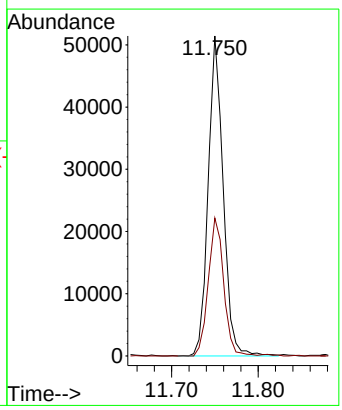




#84
1,2,4-Trimethylbenzene
Concen: 4.183 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047465.D
Acq: 21 Aug 2025 13:25

Tgt Ion:105 Resp: 61775

Ion	Ratio	Lower	Upper
105	100		
120	44.3	21.9	65.7



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:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	MW-17C-081825	SDG No.:	Q2900
Lab Sample ID:	Q2900-06	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
VX047471.D	1	08/21/25 15:31	VX082125

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	5.10	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: **VX047471.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:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	MW-17C-081825	SDG No.:	Q2900
Lab Sample ID:	Q2900-06	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
VX047471.D	1	08/21/25 15:31	VX082125

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	60.7		74 - 125	121%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	50.9		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.8		77 - 121	118%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	195000	5.568			
540-36-3	1,4-Difluorobenzene	401000	6.769			
3114-55-4	Chlorobenzene-d5	409000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	211000	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VX047471.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	MW-17C-081825	SDG No.:	Q2900
Lab Sample ID:	Q2900-06	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
VX047471.D	1	08/21/25 15:31	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	180	J		1.27	ug/L

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047471.D
Acq On : 21 Aug 2025 15:31
Operator : JC/MD
Sample : Q2900-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-17C-081825

Quant Time: Aug 22 03:49:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

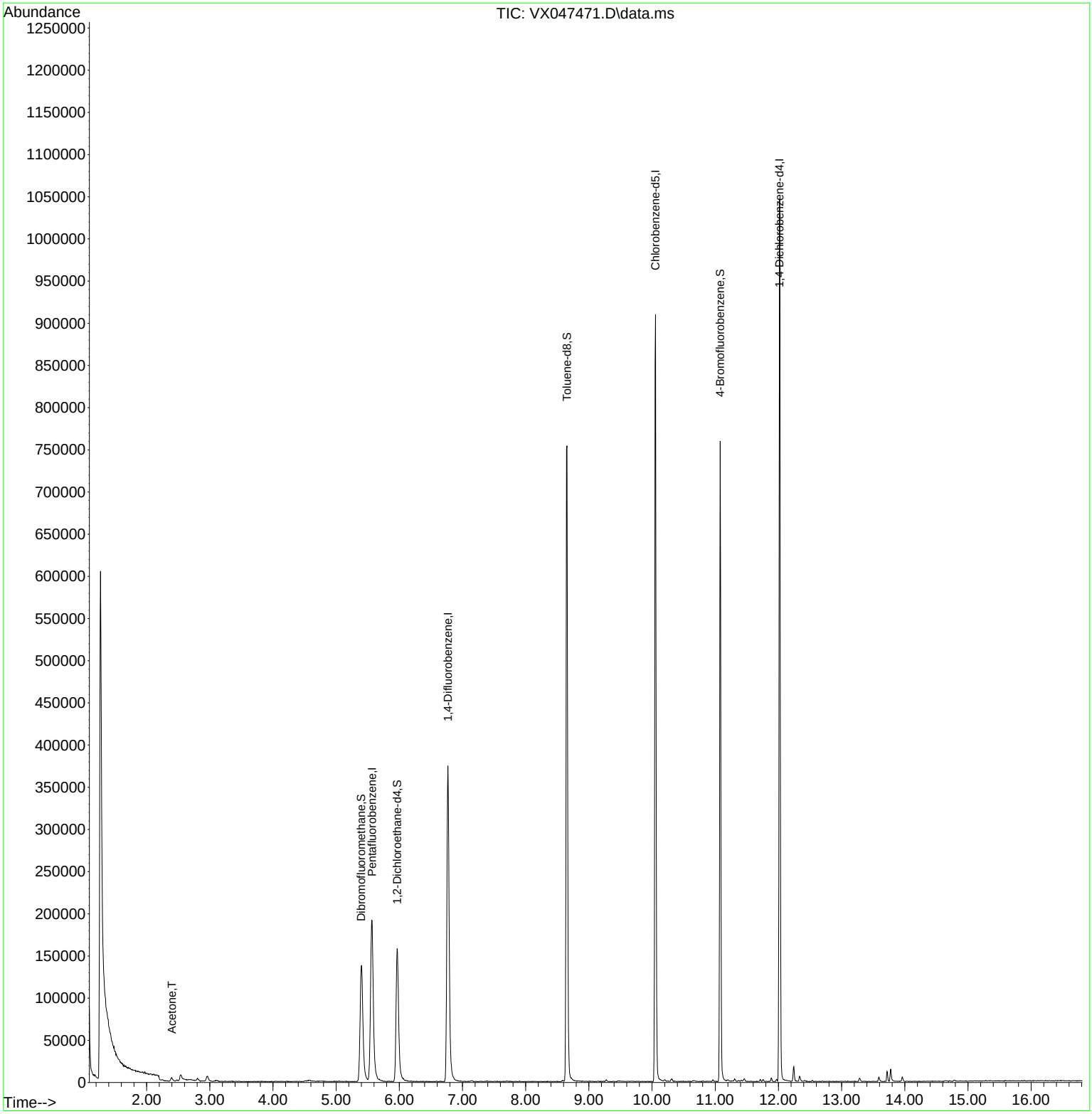
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	194869	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	401435	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	409187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	210796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	165528	60.694	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 121.380%#			
35) Dibromofluoromethane	5.397	113	132093	50.701	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.400%			
50) Toluene-d8	8.653	98	473975	50.898	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.800%			
62) 4-Bromofluorobenzene	11.079	95	202115	58.816	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 117.640%			
Target Compounds						Qvalue
16) Acetone	2.398	43	5210	5.082	ug/l	93

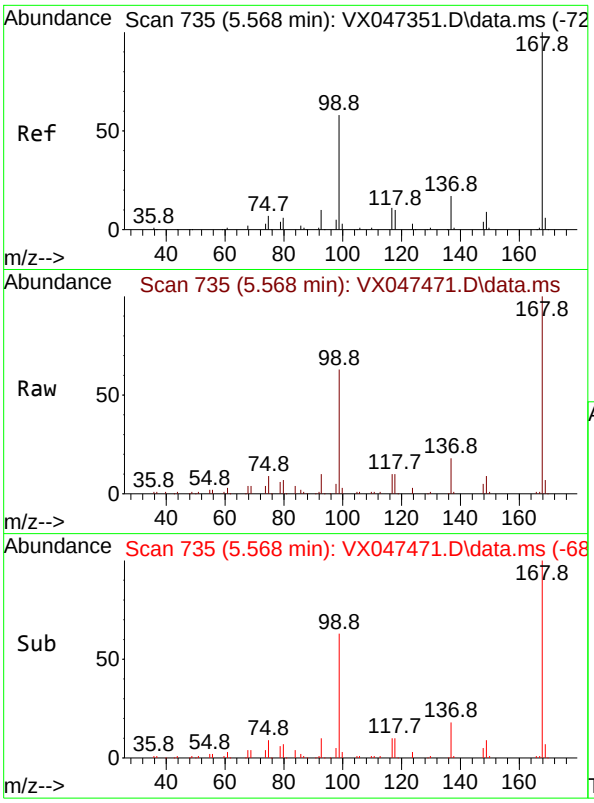
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047471.D
Acq On : 21 Aug 2025 15:31
Operator : JC/MD
Sample : Q2900-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-17C-081825

Quant Time: Aug 22 03:49:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



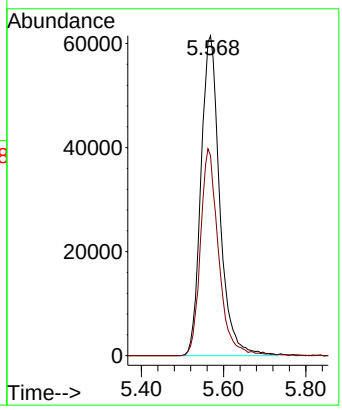


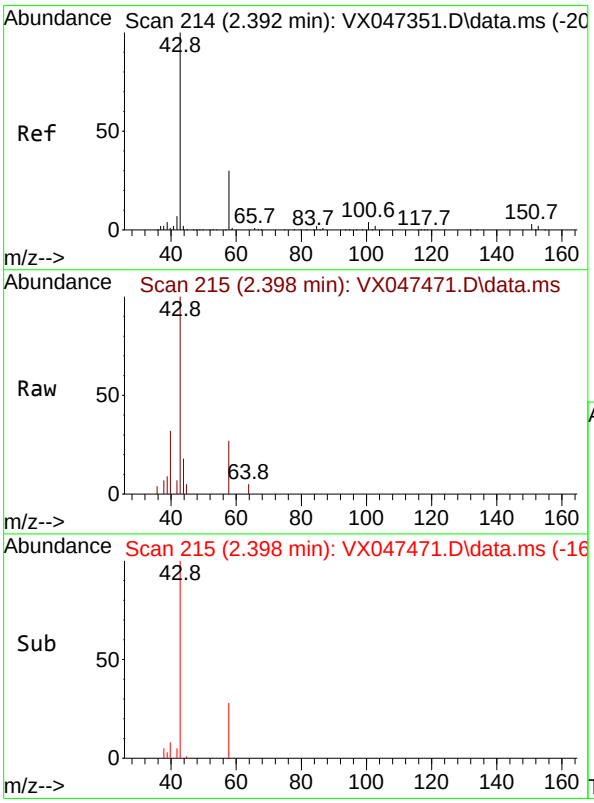
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047471.D
Acq: 21 Aug 2025 15:31

Instrument :
MSVOA_X
ClientSampleId :
MW-17C-081825

Tgt Ion:168 Resp: 194869

Ion	Ratio	Lower	Upper
168	100		
99	62.5	47.9	71.9

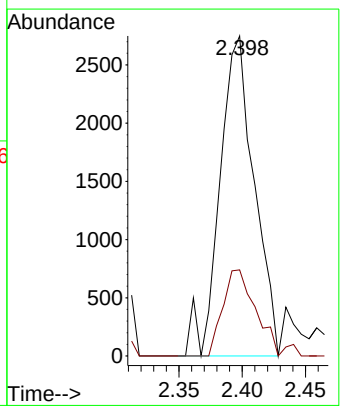


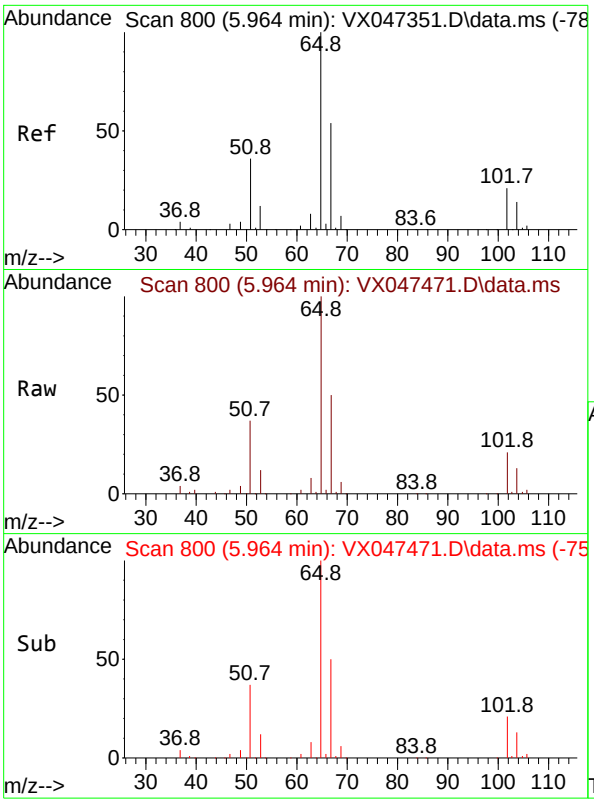


#16
Acetone
Concen: 5.082 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX047471.D
Acq: 21 Aug 2025 15:31

Tgt Ion: 43 Resp: 5210

Ion	Ratio	Lower	Upper
43	100		
58	26.9	24.8	37.2



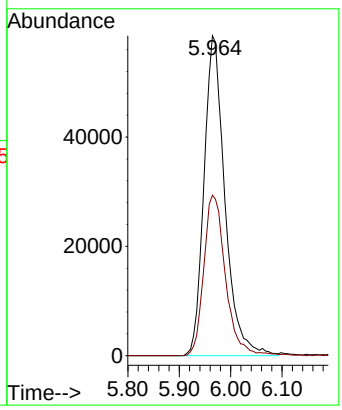


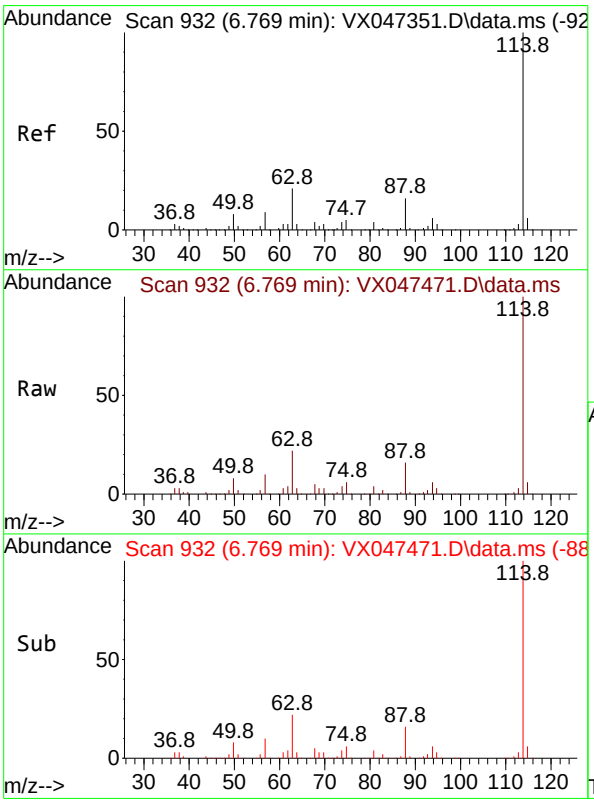
#33
1,2-Dichloroethane-d4
Concen: 60.694 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047471.D
Acq: 21 Aug 2025 15:31

Instrument :
MSVOA_X
ClientSampleId :
MW-17C-081825

Tgt Ion: 65 Resp: 165528

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	106.0

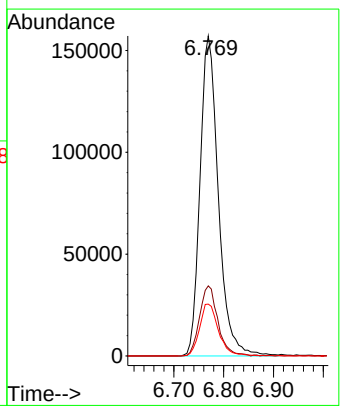


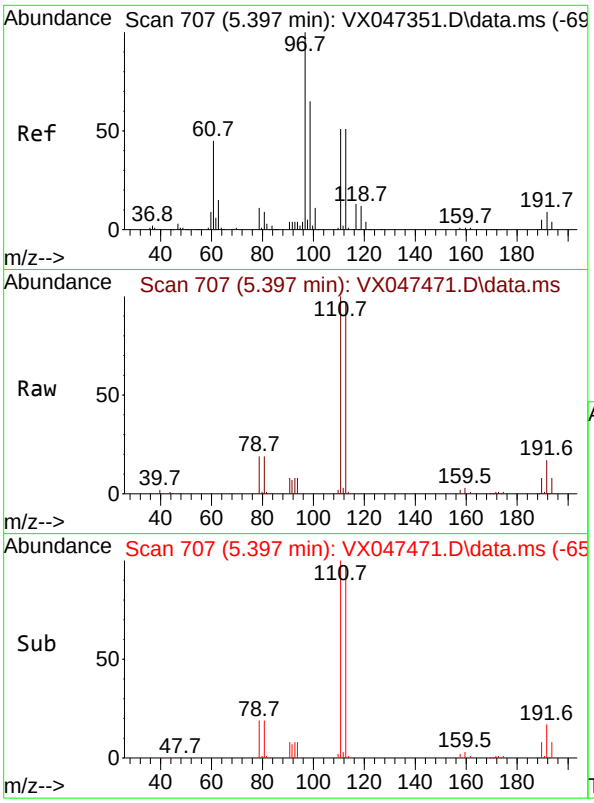


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047471.D
Acq: 21 Aug 2025 15:31

Tgt Ion:114 Resp: 401435

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	42.4
88	16.2	0.0	33.0



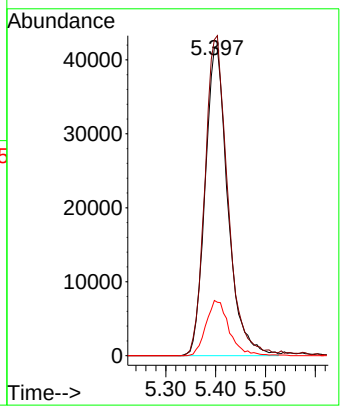


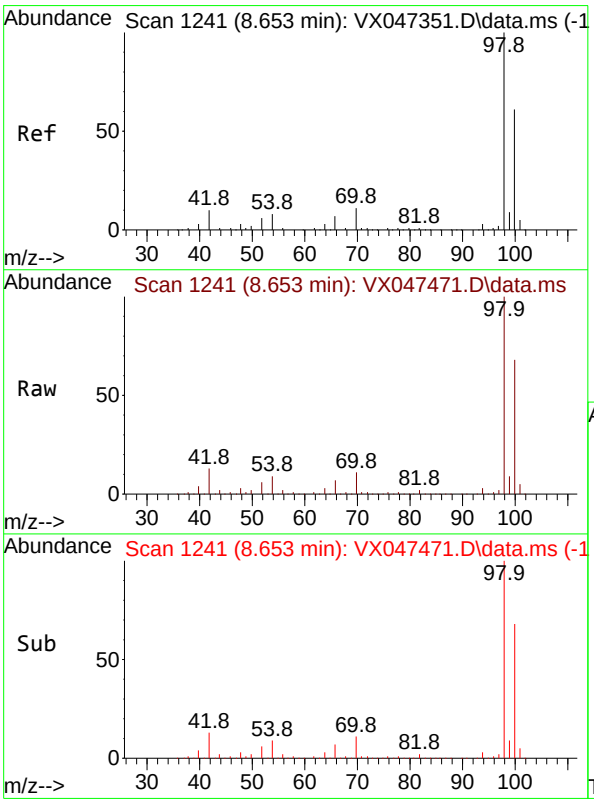
#35
Dibromofluoromethane
Concen: 50.701 ug/l
RT: 5.397 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047471.D
Acq: 21 Aug 2025 15:31

Instrument :
MSVOA_X
ClientSampleId :
MW-17C-081825

Tgt Ion:113 Resp: 132093

Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.4	122.2
192	18.3	14.1	21.1

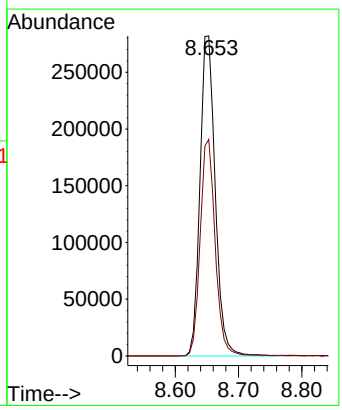


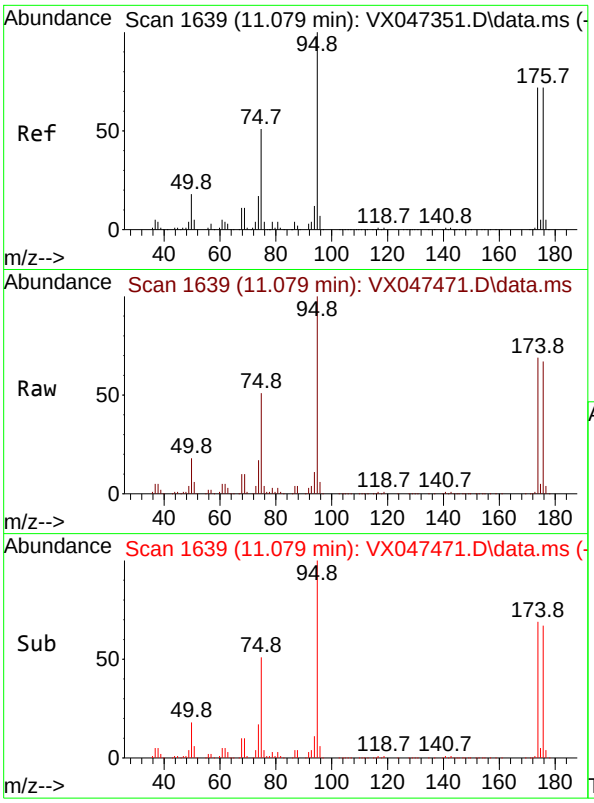


#50
Toluene-d8
Concen: 50.898 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047471.D
Acq: 21 Aug 2025 15:31

Tgt Ion: 98 Resp: 473975

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.9	80.9



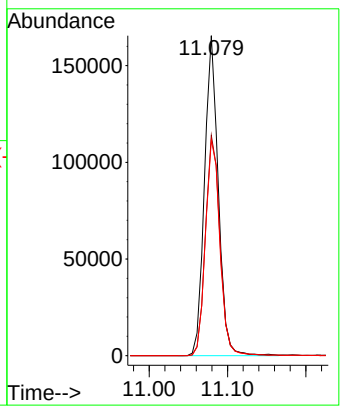


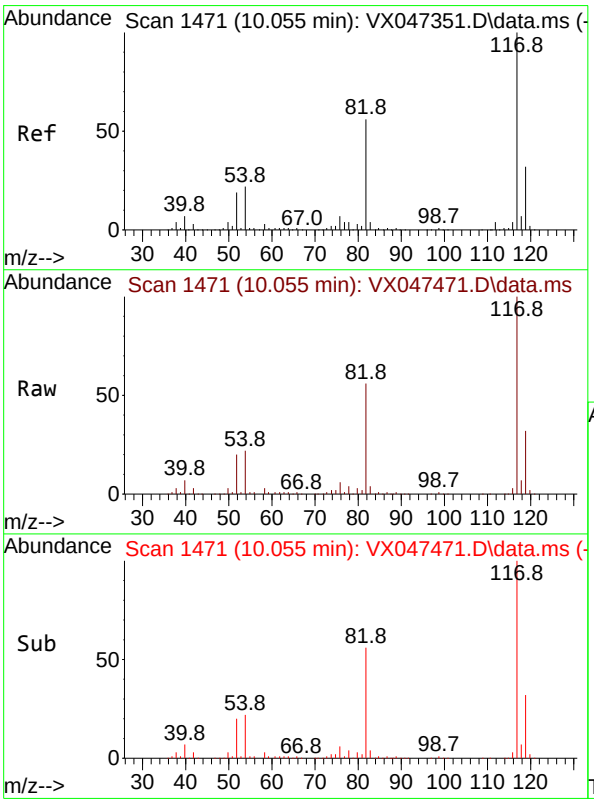
#62
4-Bromofluorobenzene
Concen: 58.816 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047471.D
Acq: 21 Aug 2025 15:31

Instrument :
MSVOA_X
ClientSampleId :
MW-17C-081825

Tgt Ion: 95 Resp: 202115

Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	148.0
176	70.7	0.0	145.4

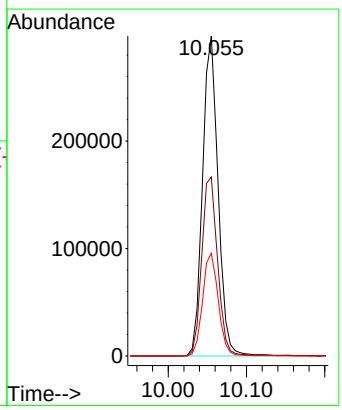


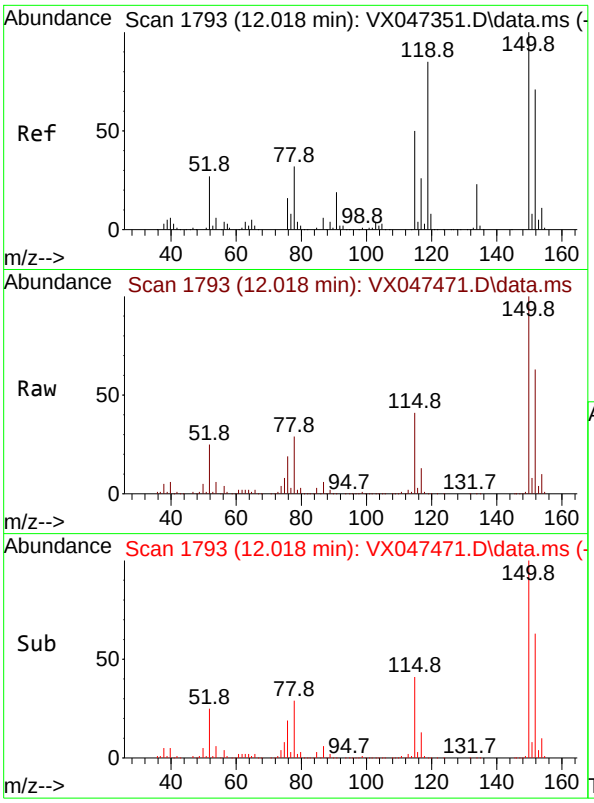


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047471.D
Acq: 21 Aug 2025 15:31

Tgt Ion:117 Resp: 409187

Ion	Ratio	Lower	Upper
117	100		
82	55.9	45.0	67.4
119	32.1	25.8	38.8



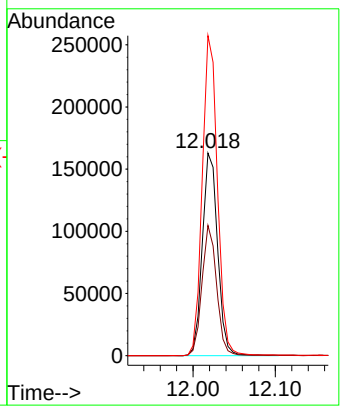


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047471.D
Acq: 21 Aug 2025 15:31

Instrument :
MSVOA_X
ClientSampleId :
MW-17C-081825

Tgt Ion:152 Resp: 210796

Ion	Ratio	Lower	Upper
152	100		
115	61.7	44.6	133.8
150	157.2	0.0	349.8



Sample Results: **VX047471.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047471.D
Acq On : 21 Aug 2025 15:31
Operator : JC/MD
Sample : Q2900-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-17C-081825

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047471.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.270	24	30	67	rBV	601267	2083911	100.00%	22.189%
2	5.403	697	708	724	rBV3	137247	435615	20.90%	4.638%
3	5.562	724	734	753	rVB	189416	586559	28.15%	6.246%
4	5.964	790	800	821	rBV	158027	459668	22.06%	4.894%
5	6.769	923	932	954	rBV	374316	955641	45.86%	10.175%
6	8.653	1234	1241	1259	rBV	753084	1276045	61.23%	13.587%
7	10.055	1465	1471	1485	rBV	909305	1278521	61.35%	13.613%
8	11.079	1634	1639	1653	rBV	758998	954387	45.80%	10.162%
9	12.018	1788	1793	1806	rBV	1045758	1316107	63.16%	14.014%
10	12.244	1824	1830	1836	rBV	17137	23698	1.14%	0.252%
11	13.780	2077	2082	2095	rVB	14193	21467	1.03%	0.229%

Sum of corrected areas: 9391619

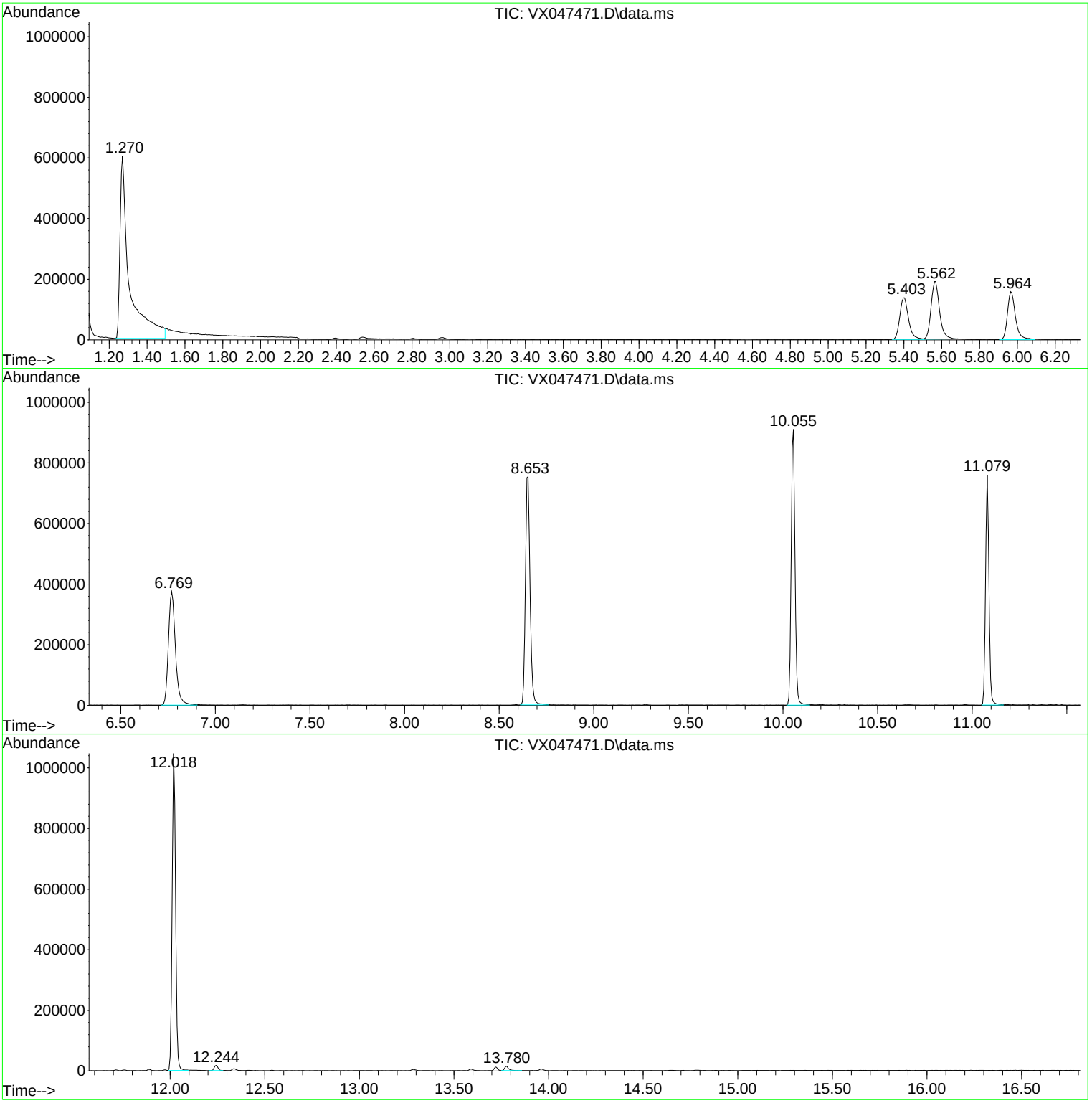
Sample Results: **VX047471.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047471.D
Acq On : 21 Aug 2025 15:31
Operator : JC/MD
Sample : Q2900-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-17C-081825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047471.D
Acq On : 21 Aug 2025 15:31
Operator : JC/MD
Sample : Q2900-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-17C-081825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

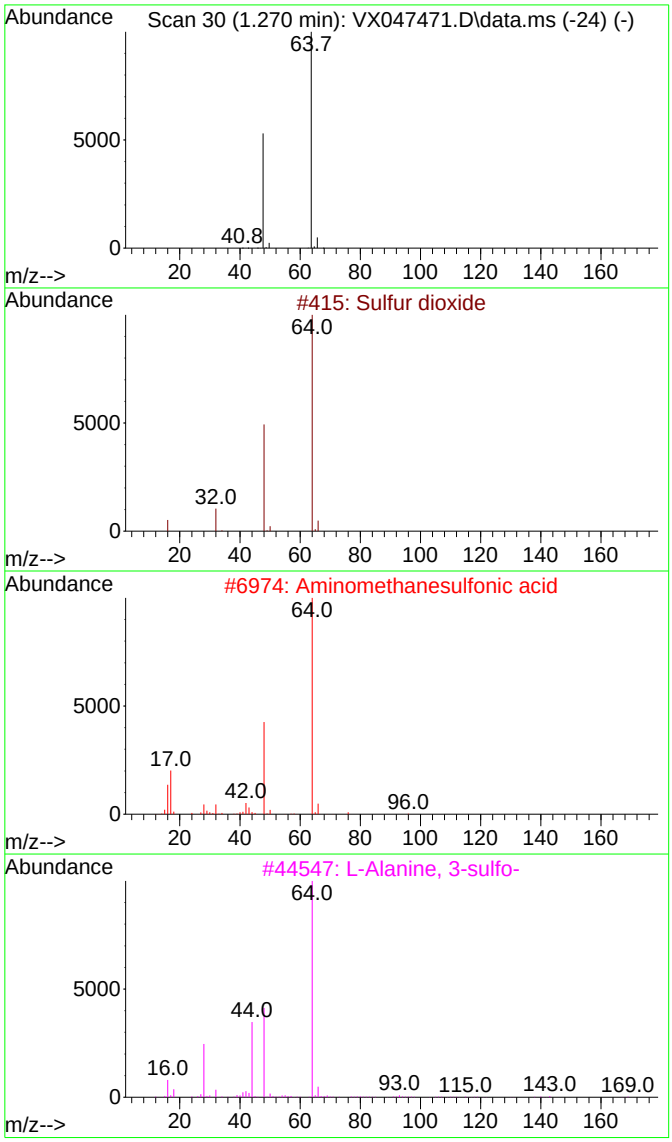
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

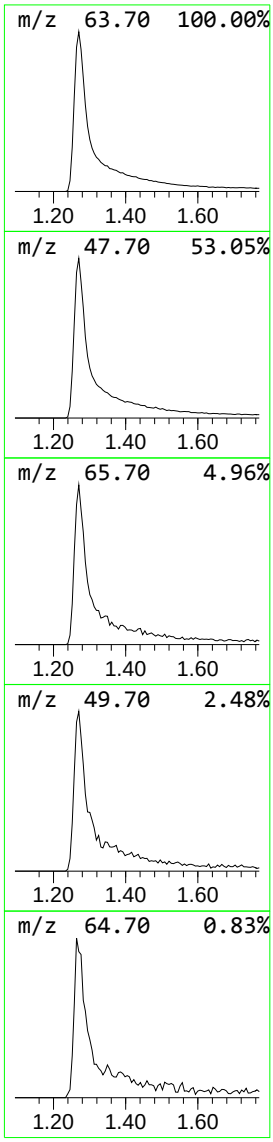
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.270	177.64 ug/l	2083910	Pentafluorobenzene	5.568

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: **VX047471.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047471.D
Acq On : 21 Aug 2025 15:31
Operator : JC/MD
Sample : Q2900-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-17C-081825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.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	1.270	177.6	ug/l	2083910	1	5.568	586559	50.0

Raw Data: **VX047442.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:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	MW-11B-081825	SDG No.:	Q2900
Lab Sample ID:	Q2900-07	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
VX047442.D	1	08/20/25 15:04	VX082025

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	1.60	J	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	3.10	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	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

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:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	MW-11B-081825	SDG No.:	Q2900
Lab Sample ID:	Q2900-07	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
VX047442.D	1	08/20/25 15:04	VX082025

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	0.27	J	0.24	10.0	ug/L
95-47-6	o-Xylene	0.36	J	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	3.30	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	63.1	*	74 - 125	126%	SPK: 50
1868-53-7	Dibromofluoromethane	53.7		75 - 124	107%	SPK: 50
2037-26-5	Toluene-d8	53.0		86 - 113	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	59.4		77 - 121	119%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	270000	5.574			
540-36-3	1,4-Difluorobenzene	559000	6.775			
3114-55-4	Chlorobenzene-d5	561000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	290000	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VX047442.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:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	MW-11B-081825	SDG No.:	Q2900
Lab Sample ID:	Q2900-07	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
VX047442.D	1	08/20/25 15:04	VX082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	290	J		1.27	ug/L
103-65-1	n-propylbenzene	0.34	J		11.3	ug/L
000496-11-7	Indane	270	J		12.2	ug/L
003454-07-7	Benzene, 1-ethenyl-4-ethyl-	8.50	J		13.3	ug/L

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047442.D
Acq On : 20 Aug 2025 15:04
Operator : JC/MD
Sample : Q2900-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825

Quant Time: Aug 21 01:32:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

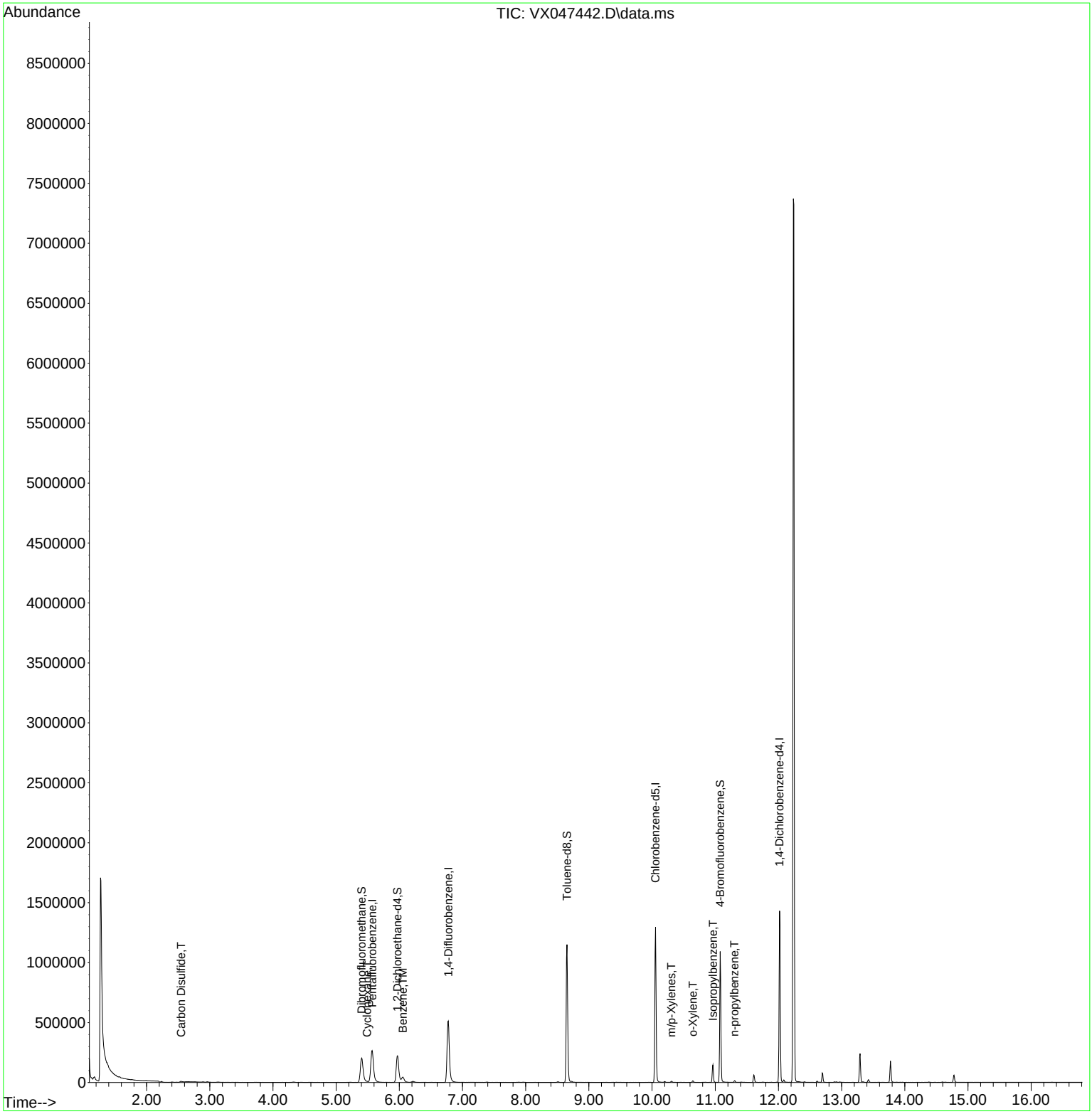
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.574	168	269768	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	559138	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	560769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	289774	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	238136	63.074	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 126.140%#			
35) Dibromofluoromethane	5.404	113	194846	53.693	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.380%			
50) Toluene-d8	8.653	98	687671	53.018	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.040%			
62) 4-Bromofluorobenzene	11.079	95	284499	59.439	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 118.880%			
Target Compounds						Qvalue
17) Carbon Disulfide	2.544	76	16805	1.640	ug/l	96
31) Cyclohexane	5.489	56	2567	0.422	ug/l #	76
40) Benzene	6.056	78	52895	3.085	ug/l	94
68) m/p-Xylenes	10.305	106	2342	0.274	ug/l	88
69) o-Xylene	10.646	106	2990	0.363	ug/l	95
73) Isopropylbenzene	10.964	105	75289	3.320	ug/l	100
78) n-propylbenzene	11.305	91	9242	0.341	ug/l	97

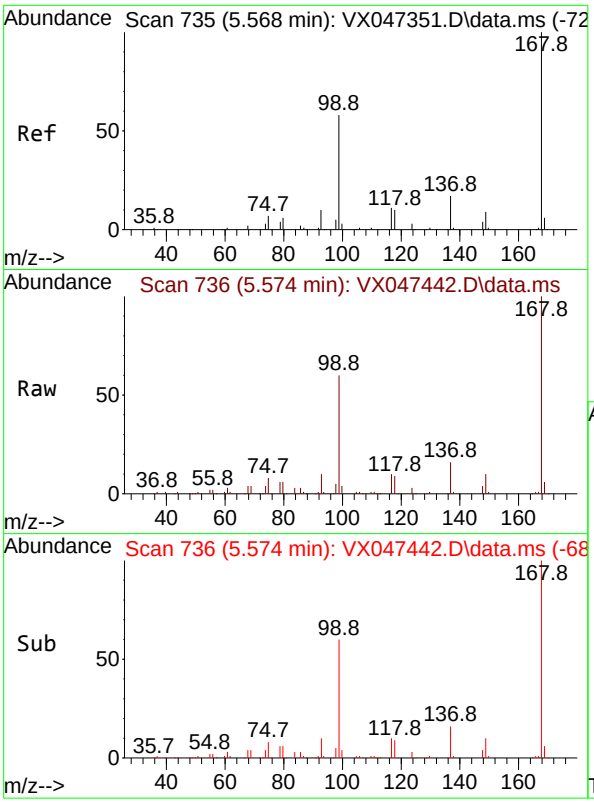
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047442.D
Acq On : 20 Aug 2025 15:04
Operator : JC/MD
Sample : Q2900-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825

Quant Time: Aug 21 01:32:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



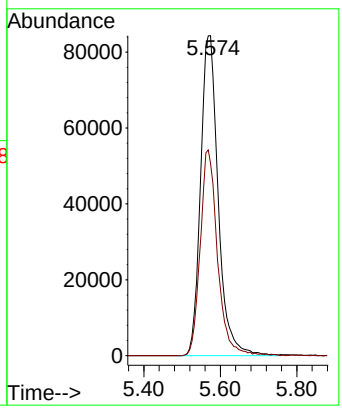


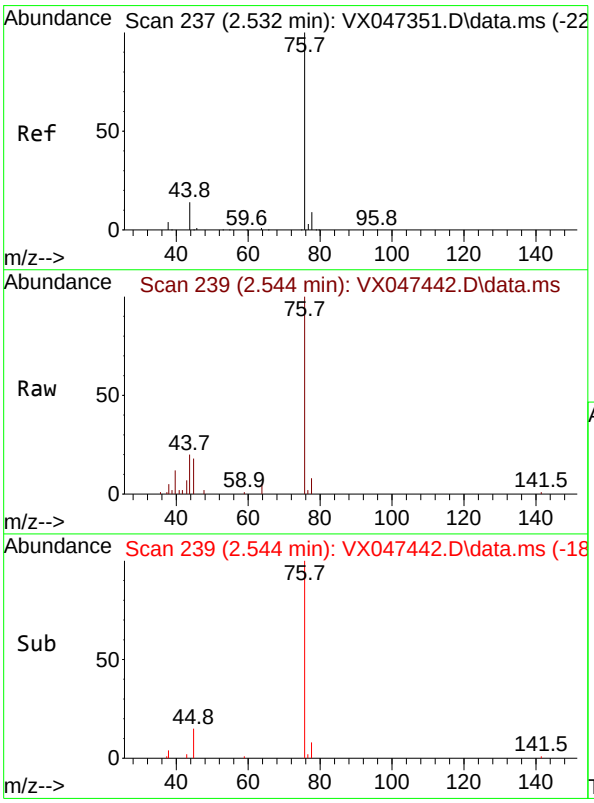
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.574 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825

Tgt Ion:168 Resp: 269768

Ion	Ratio	Lower	Upper
168	100		
99	60.2	47.9	71.9

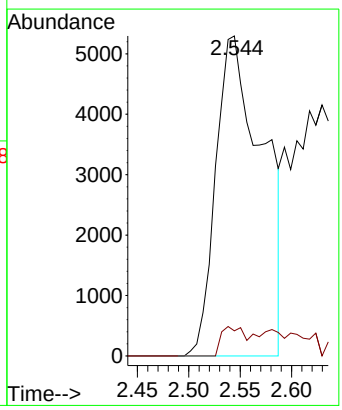


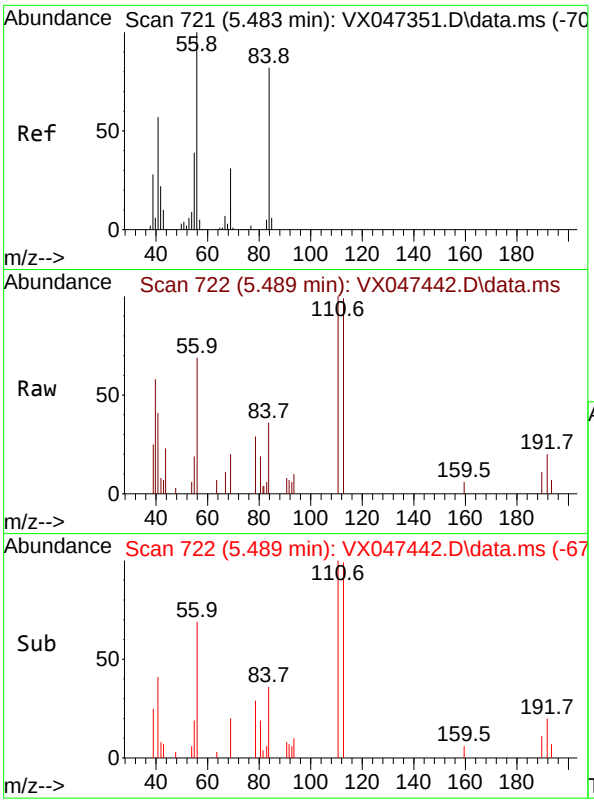


#17
Carbon Disulfide
Concen: 1.640 ug/l
RT: 2.544 min Scan# 239
Delta R.T. 0.012 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

Tgt Ion: 76 Resp: 16805

Ion	Ratio	Lower	Upper
76	100		
78	7.7	7.2	10.8



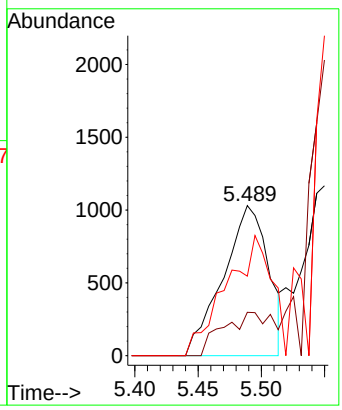


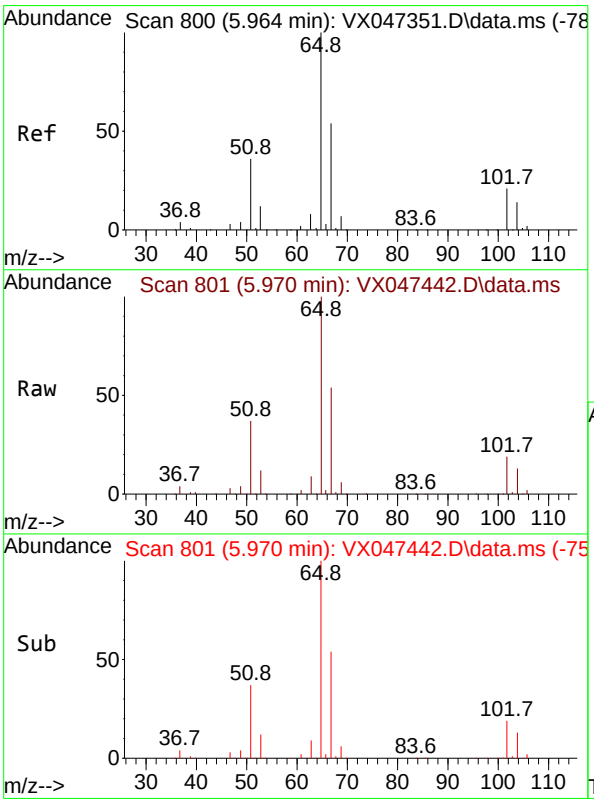
#31
Cyclohexane
Concen: 0.422 ug/l
RT: 5.489 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825

Tgt Ion: 56 Resp: 2567

Ion	Ratio	Lower	Upper
56	100		
69	28.9	24.3	36.5
84	53.0	65.3	97.9#

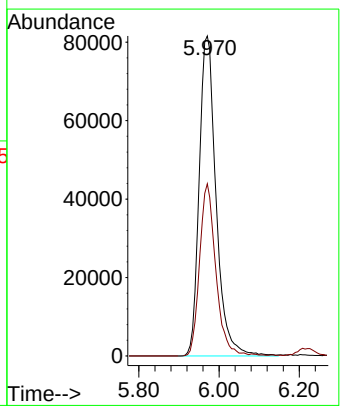


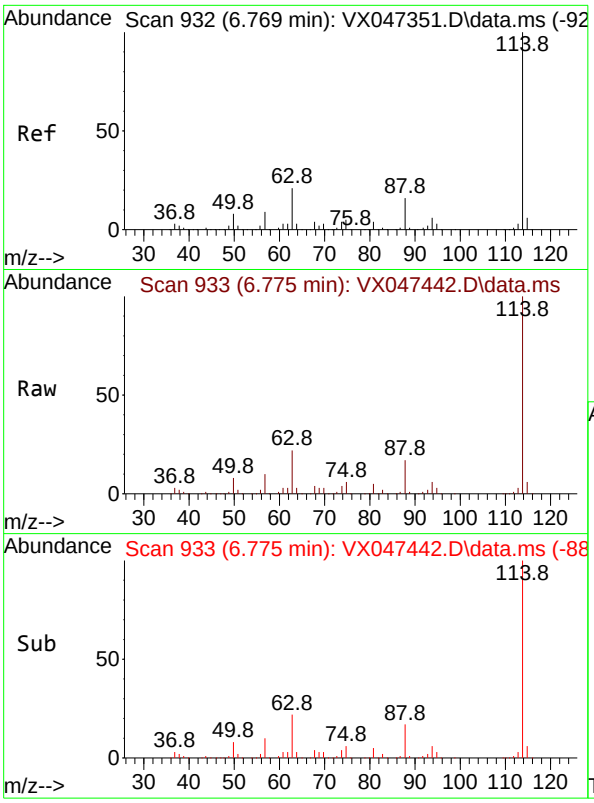


#33
1,2-Dichloroethane-d4
Concen: 63.074 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

Tgt Ion: 65 Resp: 238136

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	106.0



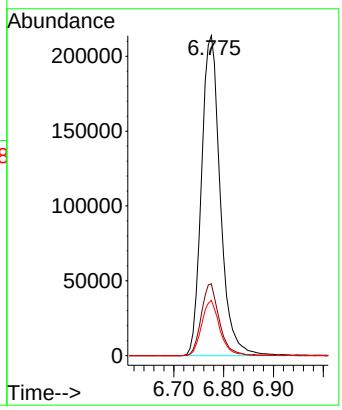


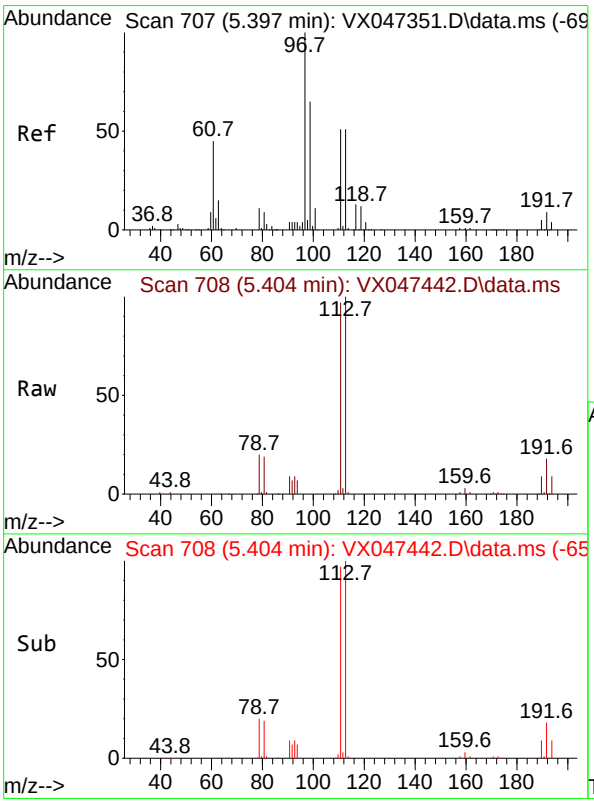
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825

Tgt Ion:114 Resp: 559138

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	42.4
88	17.3	0.0	33.0

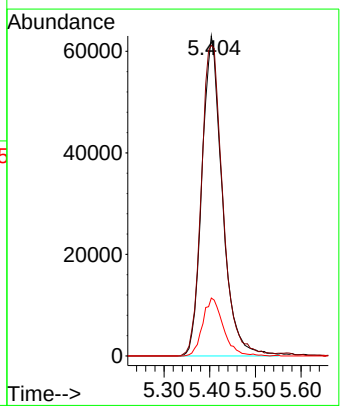


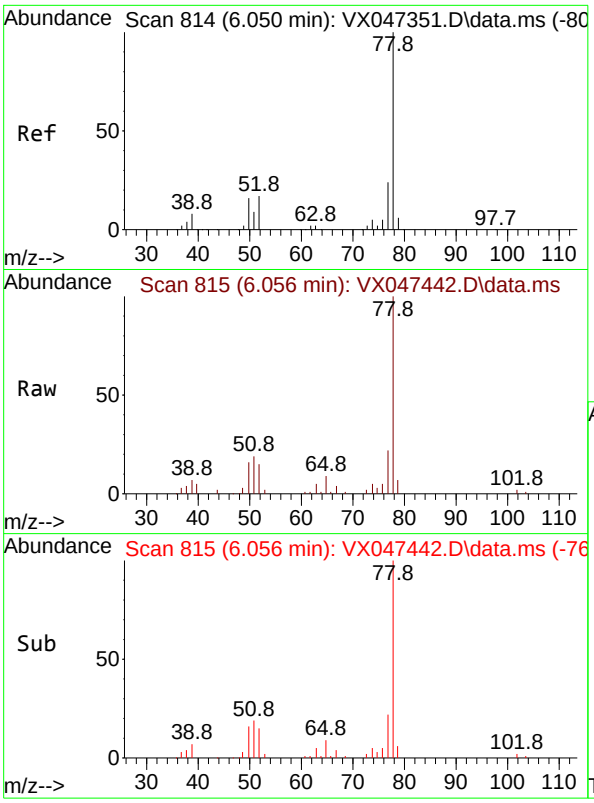


#35
Dibromofluoromethane
Concen: 53.693 ug/l
RT: 5.404 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

Tgt Ion:113 Resp: 194846

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.4	122.2
192	18.3	14.1	21.1



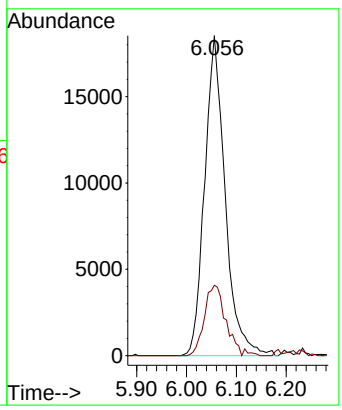


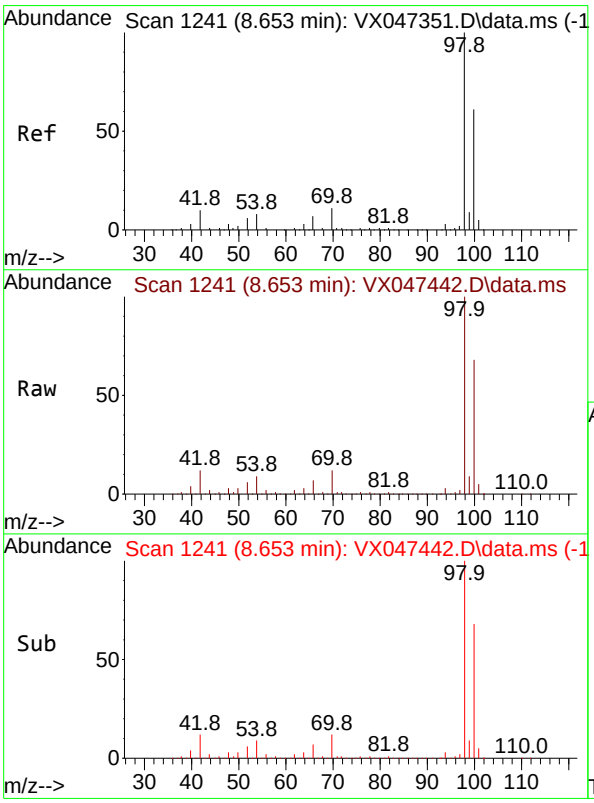
#40
Benzene
Concen: 3.085 ug/l
RT: 6.056 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825

Tgt Ion: 78 Resp: 52895

Ion	Ratio	Lower	Upper
78	100		
77	20.7	19.0	28.4

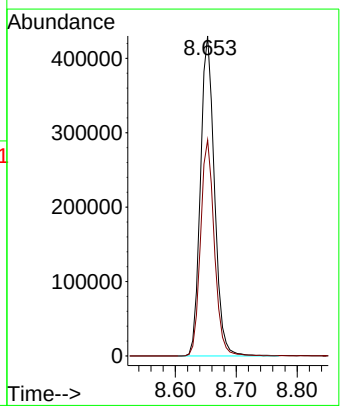


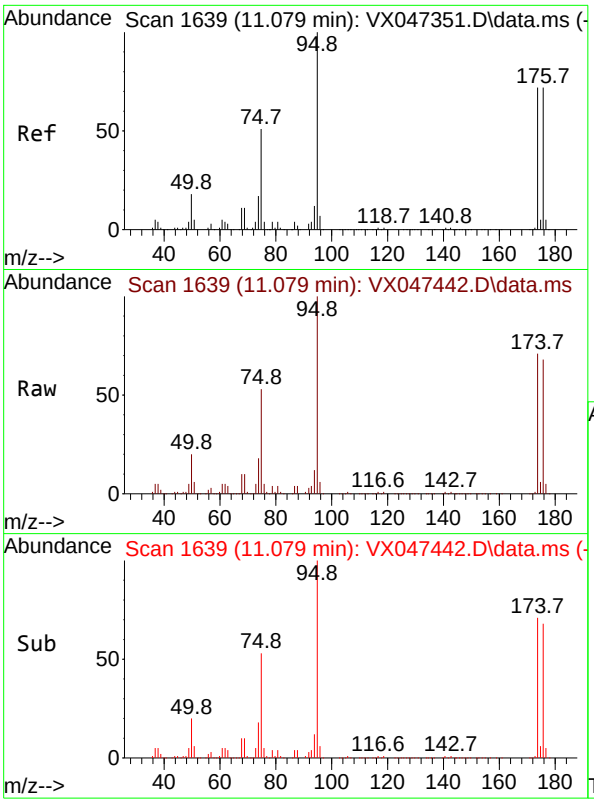


#50
Toluene-d8
Concen: 53.018 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

Tgt Ion: 98 Resp: 687671

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.9	80.9



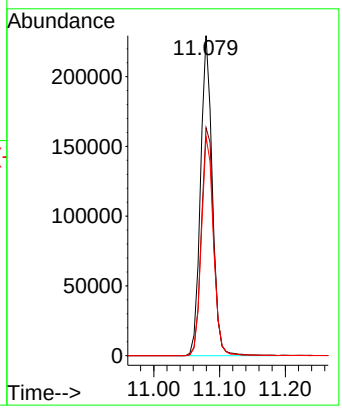


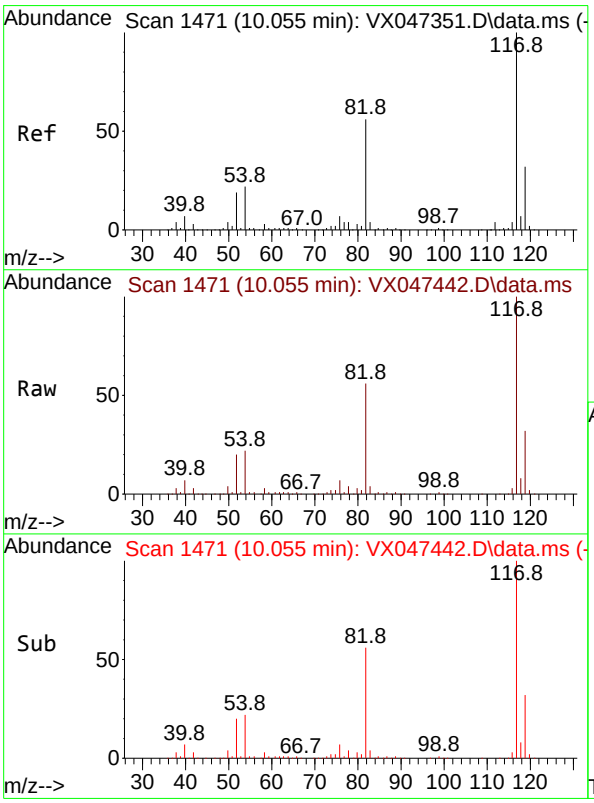
#62
4-Bromofluorobenzene
Concen: 59.439 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825

Tgt Ion: 95 Resp: 284499

Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	148.0
176	70.5	0.0	145.4

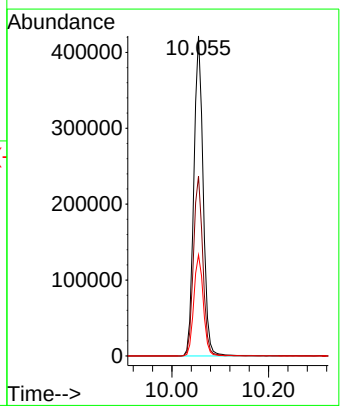


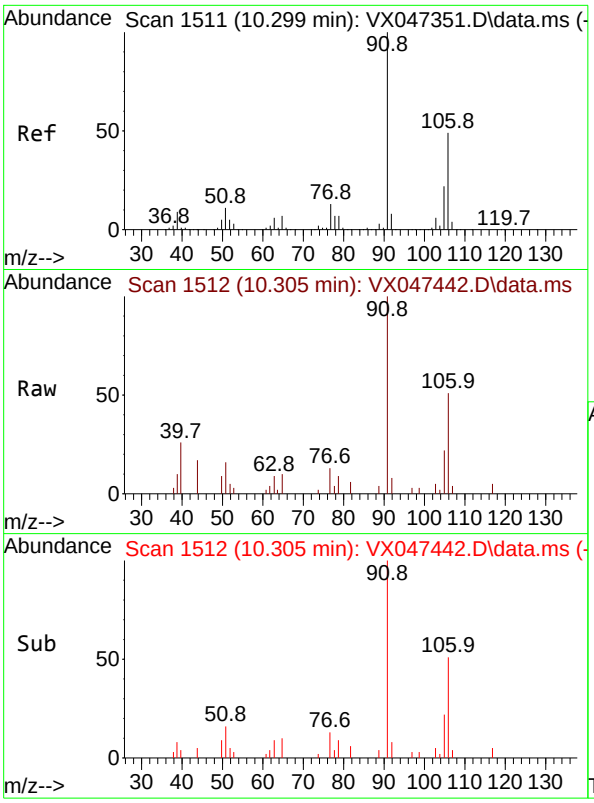


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

Tgt Ion:117 Resp: 560769

Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.0	67.4
119	31.5	25.8	38.8



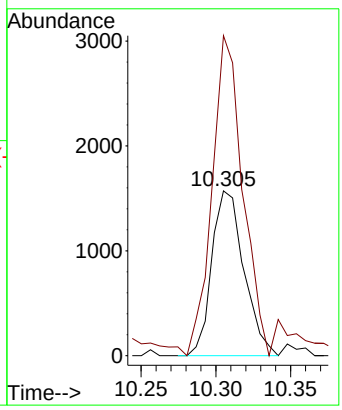


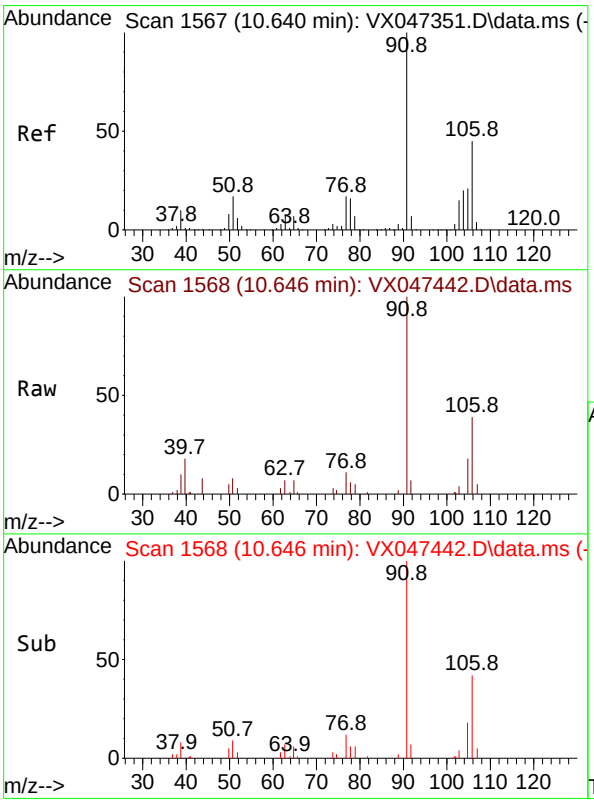
#68
m/p-Xylenes
Concen: 0.274 ug/l
RT: 10.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825

Tgt Ion:106 Resp: 2342

Ion	Ratio	Lower	Upper
106	100		
91	187.0	164.7	247.1

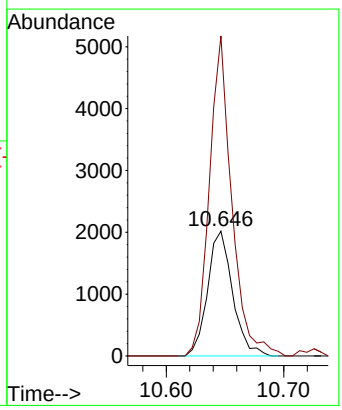


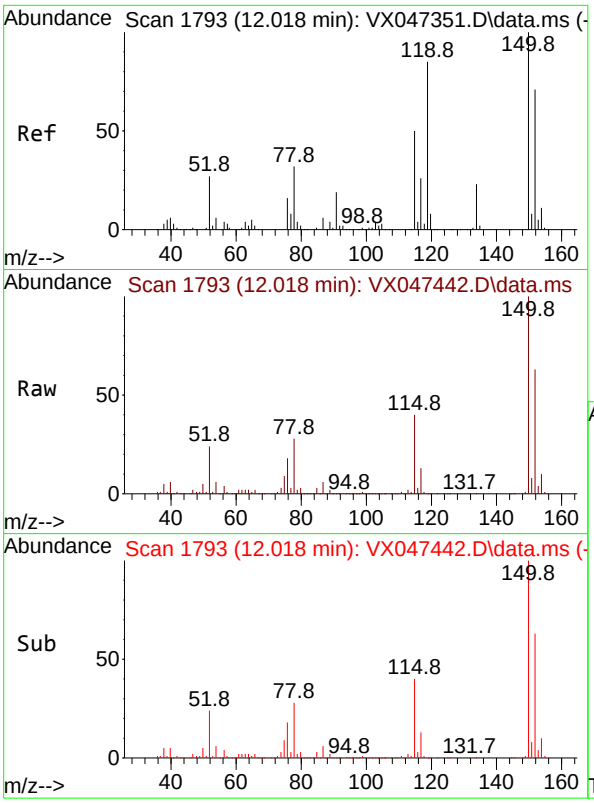


#69
o-Xylene
Concen: 0.363 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

Tgt Ion:106 Resp: 2990

Ion	Ratio	Lower	Upper
106	100		
91	229.4	110.6	331.8



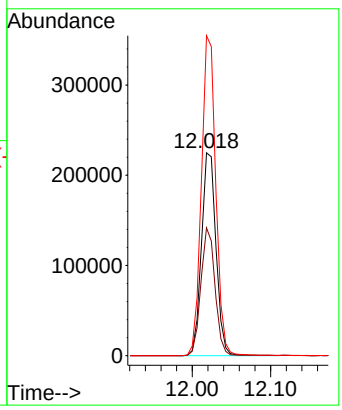


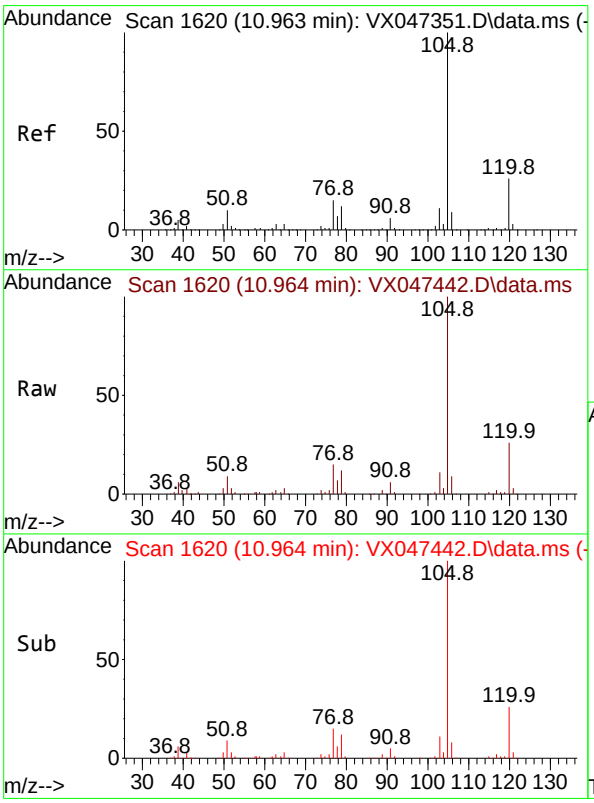
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825

Tgt Ion:152 Resp: 289774

Ion	Ratio	Lower	Upper
152	100		
115	61.3	44.6	133.8
150	156.1	0.0	349.8

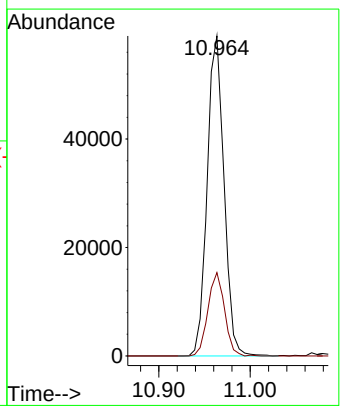


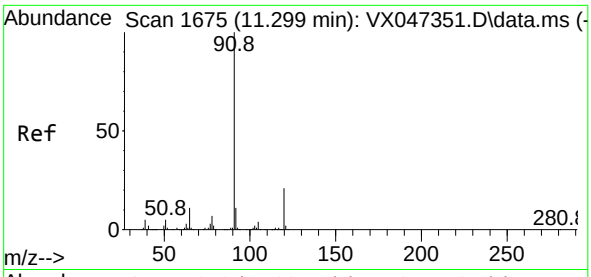


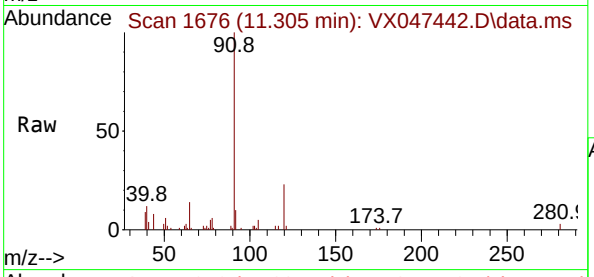
#73
Isopropylbenzene
Concen: 3.320 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

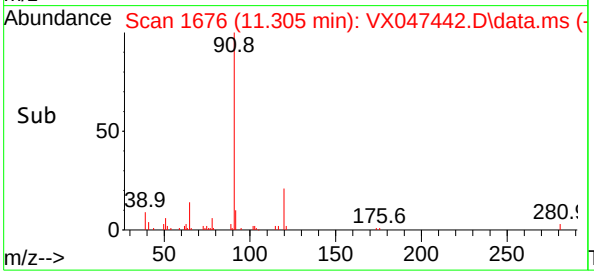
Tgt Ion:105 Resp: 75289

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.9	38.6







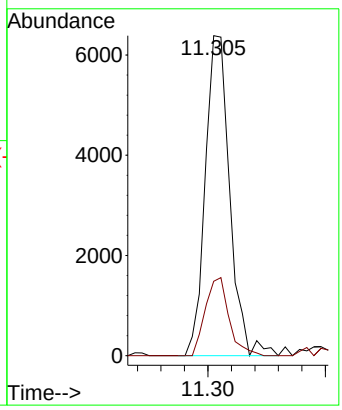


#78
n-propylbenzene
Concen: 0.341 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825

Tgt Ion: 91 Resp: 9242

Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.0	33.0



Sample Results: **VX047442.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047442.D
Acq On : 20 Aug 2025 15:04
Operator : JC/MD
Sample : Q2900-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047442.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.270	26	30	69	rBV	1692674	4772589	49.71%	18.700%
2	5.404	697	708	725	rBV3	203594	652472	6.80%	2.557%
3	5.568	725	735	757	rVB2	264345	830814	8.65%	3.255%
4	5.970	791	801	810	rBV2	223488	633827	6.60%	2.483%
5	6.056	810	815	827	rVB2	42711	119467	1.24%	0.468%
6	6.775	922	933	960	rBV	512144	1346038	14.02%	5.274%
7	8.653	1234	1241	1251	rBV	1149864	1848017	19.25%	7.241%
8	10.055	1465	1471	1488	rBV	1294481	1754909	18.28%	6.876%
9	10.964	1614	1620	1629	rBV	145770	190170	1.98%	0.745%
10	11.079	1634	1639	1656	rVV	1090838	1360737	14.17%	5.332%
11	12.018	1788	1793	1800	rBV	1429935	1786226	18.61%	6.999%
12	12.238	1824	1829	1838	rBV	7368574	9599966	100.00%	37.615%
13	12.695	1898	1904	1911	rBV	77982	100026	1.04%	0.392%
14	13.292	1995	2002	2007	rBV	240224	302787	3.15%	1.186%
15	13.774	2076	2081	2094	rBV	177672	223659	2.33%	0.876%

Sum of corrected areas: 25521704

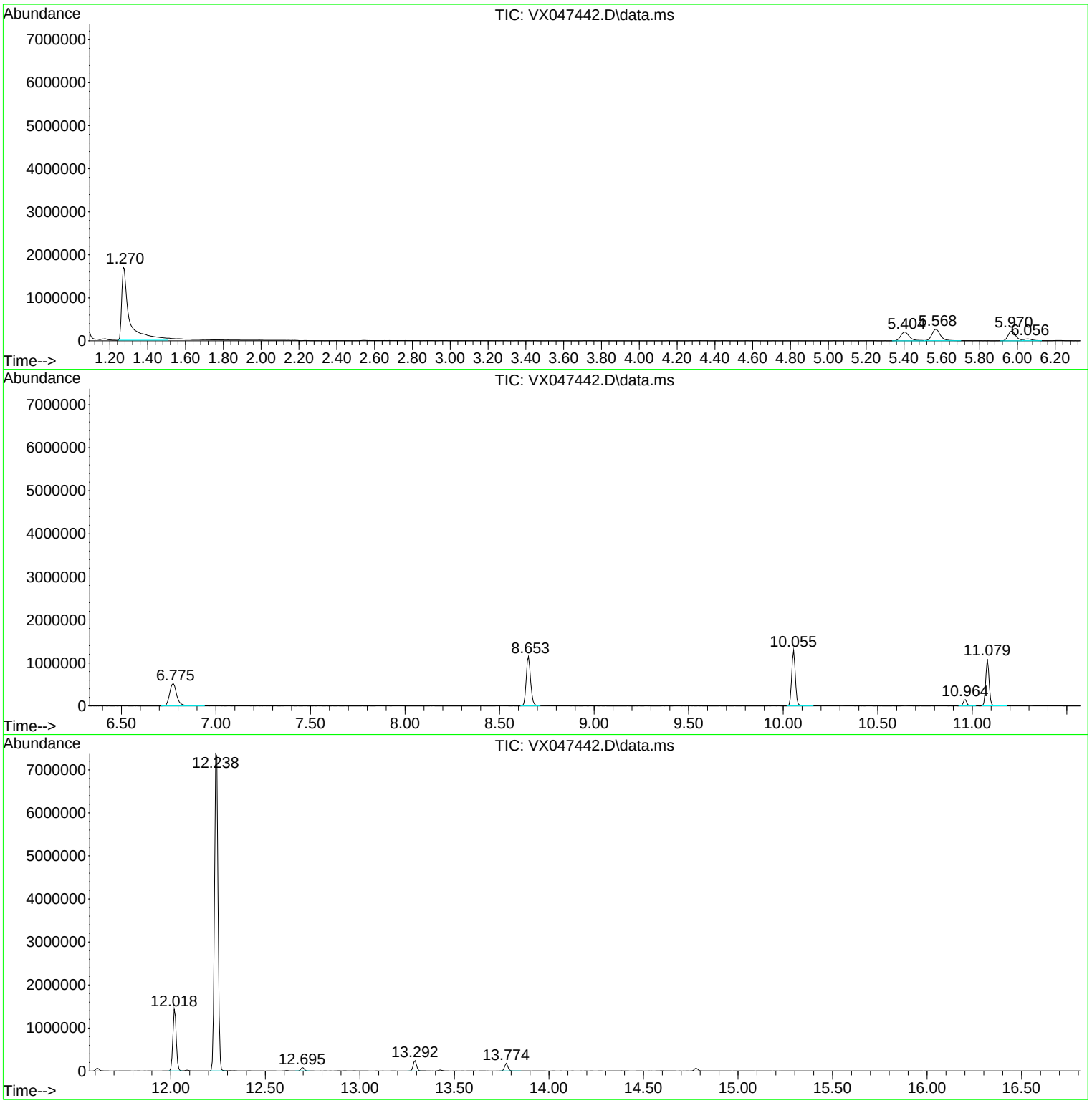
Sample Results: **VX047442.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047442.D
Acq On : 20 Aug 2025 15:04
Operator : JC/MD
Sample : Q2900-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047442.D
Acq On : 20 Aug 2025 15:04
Operator : JC/MD
Sample : Q2900-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

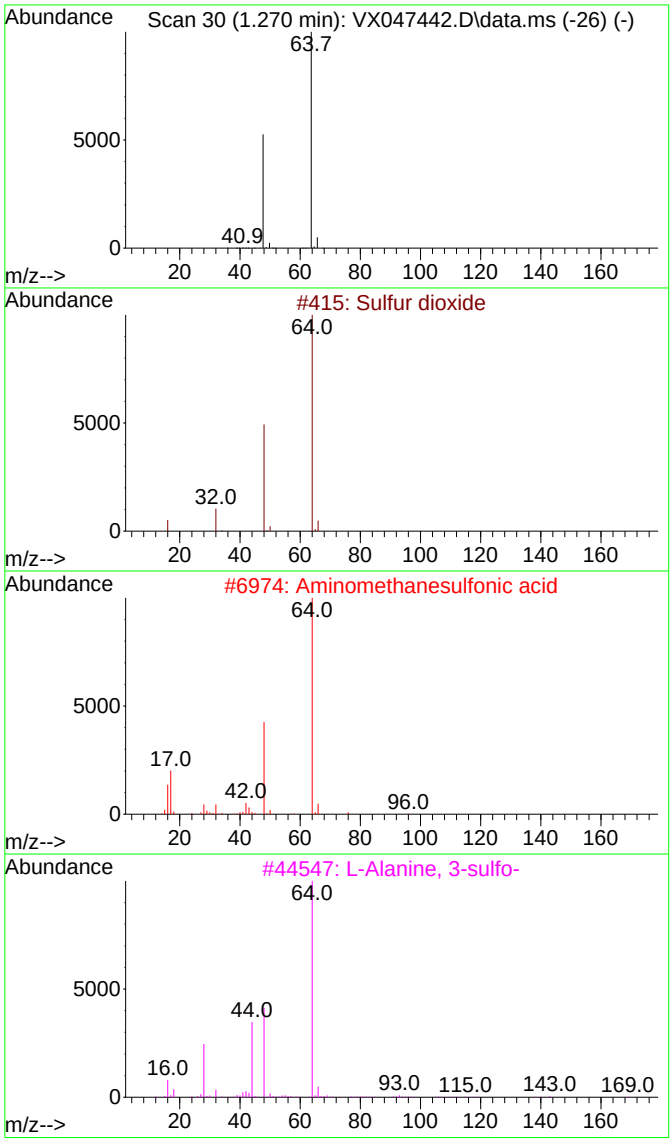
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

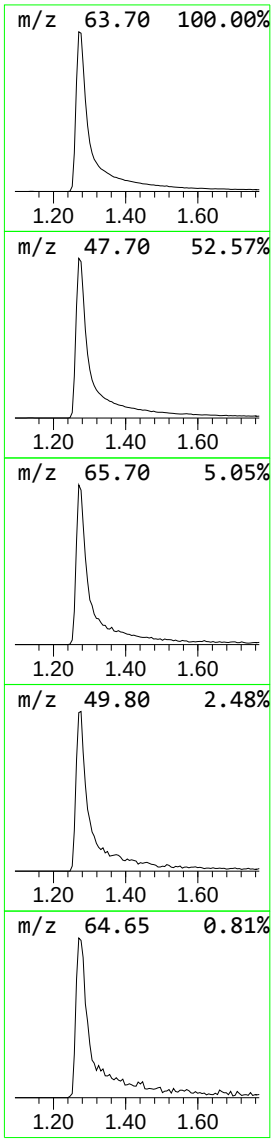
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.270	287.22 ug/l	4772590	Pentafluorobenzene	5.574

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: **VX047442.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047442.D
Acq On : 20 Aug 2025 15:04
Operator : JC/MD
Sample : Q2900-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

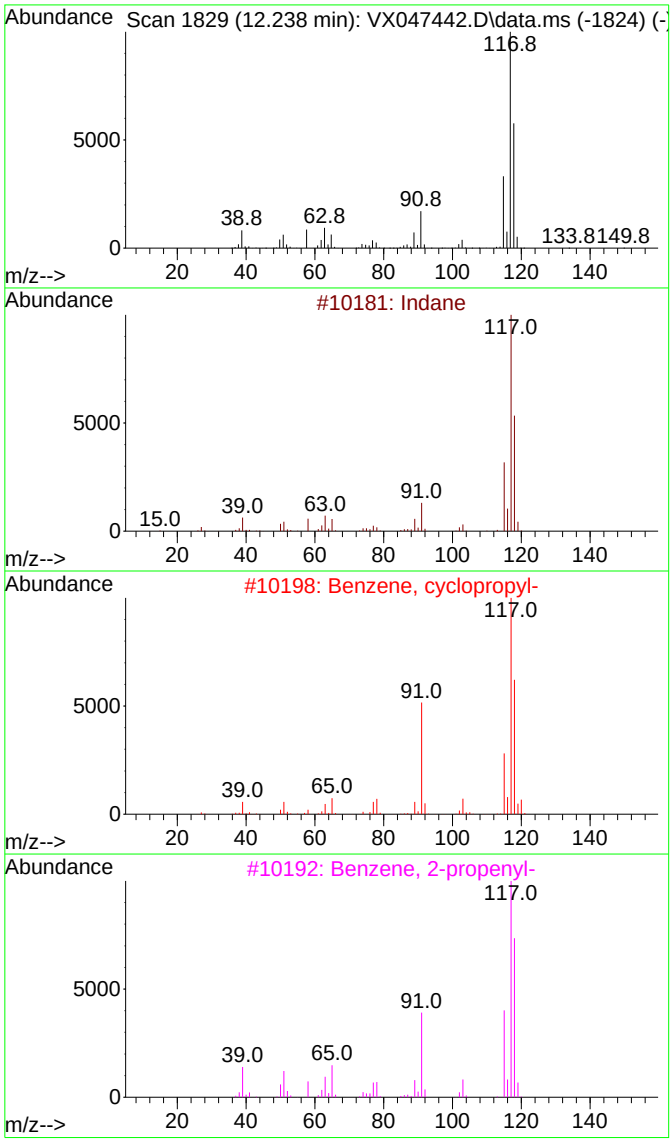
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

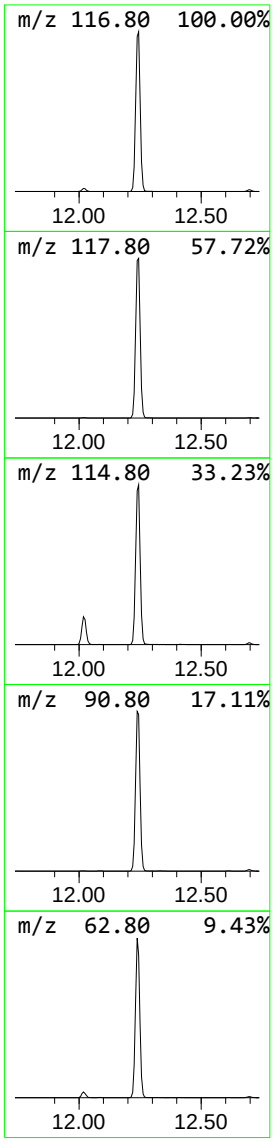
****

Peak Number 2 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.238	268.72 ug/l	9599970	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	90
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	80
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	74
4	Deltacyclene	118	C9H10	007785-10-6	68
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047442.D
Acq On : 20 Aug 2025 15:04
Operator : JC/MD
Sample : Q2900-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825

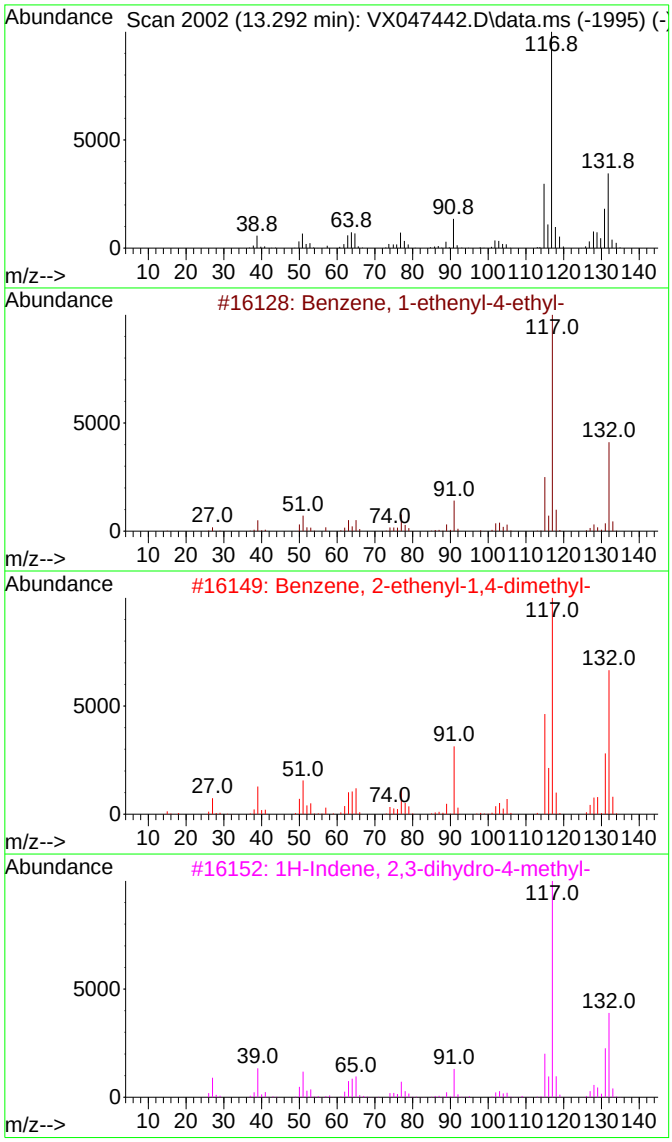
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

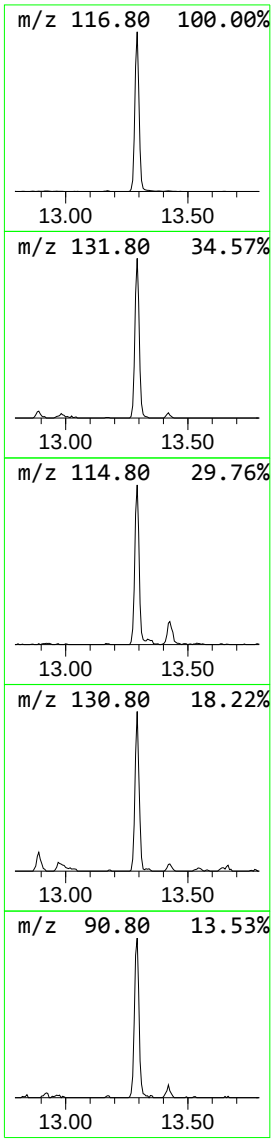
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.292	8.48 ug/l	302787	1,4-Dichlorobenzene-d4	12.018

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	92
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	91
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90





Sample Results: **VX047442.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047442.D
Acq On : 20 Aug 2025 15:04
Operator : JC/MD
Sample : Q2900-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.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	1.270	287.2	ug/l	4772590	1	5.574	830814	50.0
Indane	12.238	268.7	ug/l	9599970	4	12.018	1786230	50.0
Benzene, 1-ethe...	13.292	8.5	ug/l	302787	4	12.018	1786230	50.0

Raw Data: **VX047469.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:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	MW-11B-081825RE	SDG No.:	Q2900
Lab Sample ID:	Q2900-07RE	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
VX047469.D	1	08/21/25 14:49	VX082125

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	2.00	J	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	3.80	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	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

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:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	MW-11B-081825RE	SDG No.:	Q2900
Lab Sample ID:	Q2900-07RE	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
VX047469.D	1	08/21/25 14:49	VX082125

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	0.41	J	0.24	10.0	ug/L
95-47-6	o-Xylene	0.47	J	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	4.00	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	60.8		74 - 125	122%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	51.4		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	62.3	*	77 - 121	125%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	220000	5.562			
540-36-3	1,4-Difluorobenzene	442000	6.769			
3114-55-4	Chlorobenzene-d5	451000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	247000	12.018			

Raw Data: **VX047469.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:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	MW-11B-081825RE	SDG No.:	Q2900
Lab Sample ID:	Q2900-07RE	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
VX047469.D	1	08/21/25 14:49	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047469.D
Acq On : 21 Aug 2025 14:49
Operator : JC/MD
Sample : Q2900-07RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825RE

Quant Time: Aug 22 03:47:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

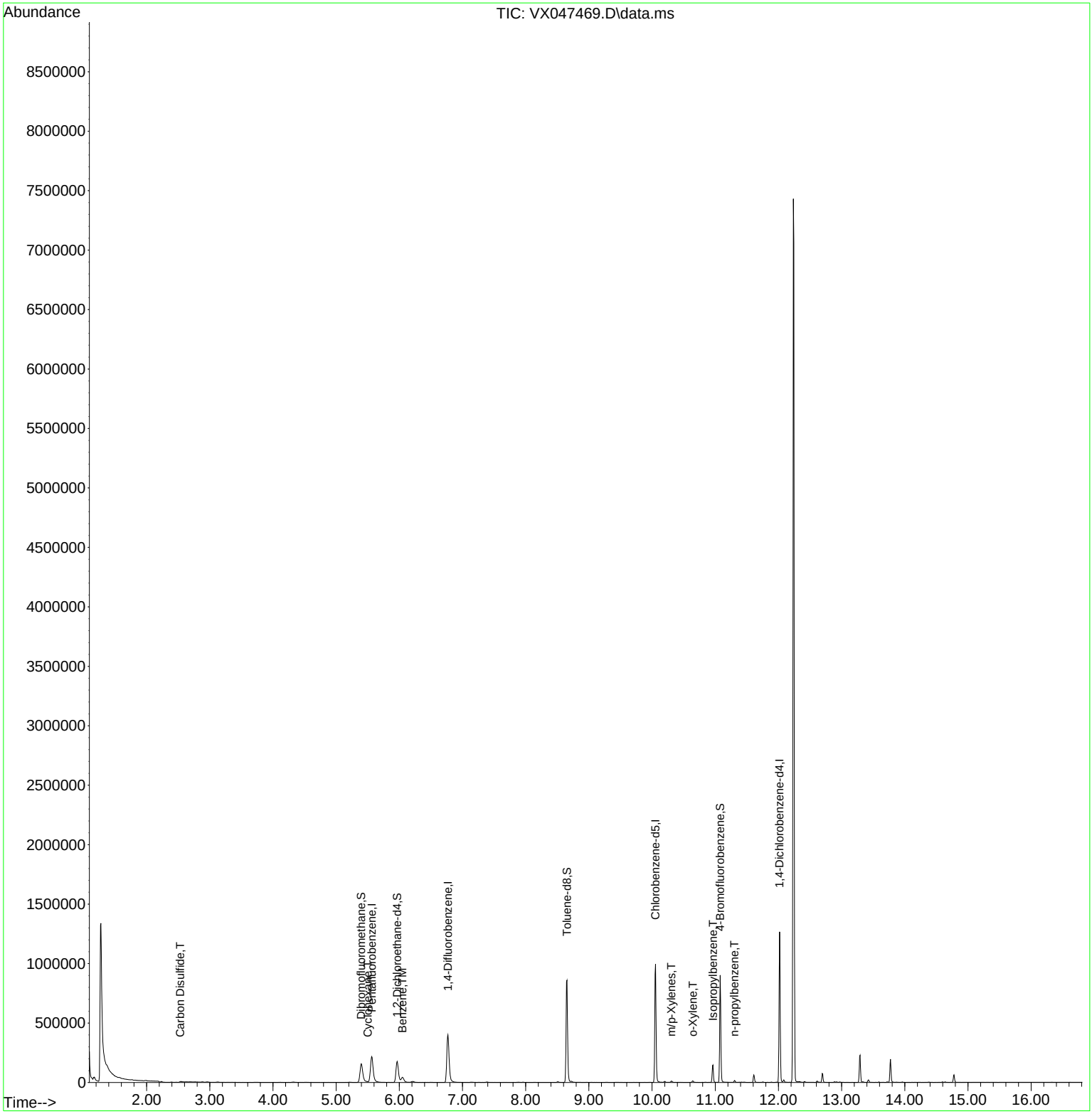
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	220177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	441647	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	451408	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	247196	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	187239	60.763	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 121.520%#			
35) Dibromofluoromethane	5.397	113	150434	52.483	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.960%			
50) Toluene-d8	8.653	98	526558	51.396	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.800%			
62) 4-Bromofluorobenzene	11.079	95	235524	62.298	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 124.600%#			
Target Compounds						Qvalue
17) Carbon Disulfide	2.532	76	16736	2.001	ug/l	96
31) Cyclohexane	5.501	56	3097	0.625	ug/l #	84
40) Benzene	6.050	78	52117	3.848	ug/l	99
68) m/p-Xylenes	10.305	106	2831	0.411	ug/l	94
69) o-Xylene	10.646	106	3078	0.465	ug/l	97
73) Isopropylbenzene	10.963	105	77364	3.999	ug/l	100
78) n-propylbenzene	11.305	91	9616	0.416	ug/l	98

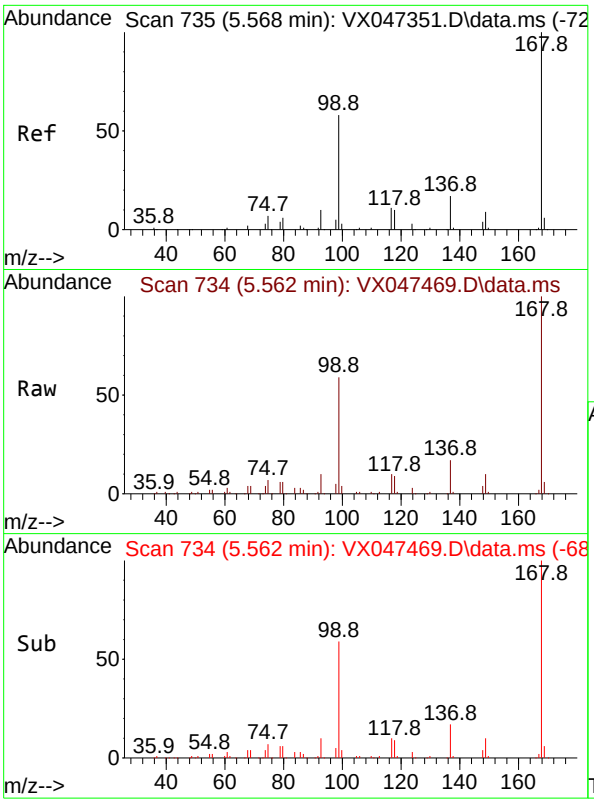
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047469.D
Acq On : 21 Aug 2025 14:49
Operator : JC/MD
Sample : Q2900-07RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825RE

Quant Time: Aug 22 03:47:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



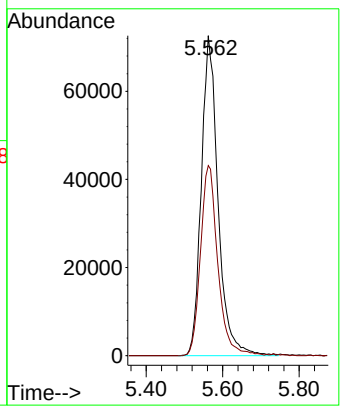


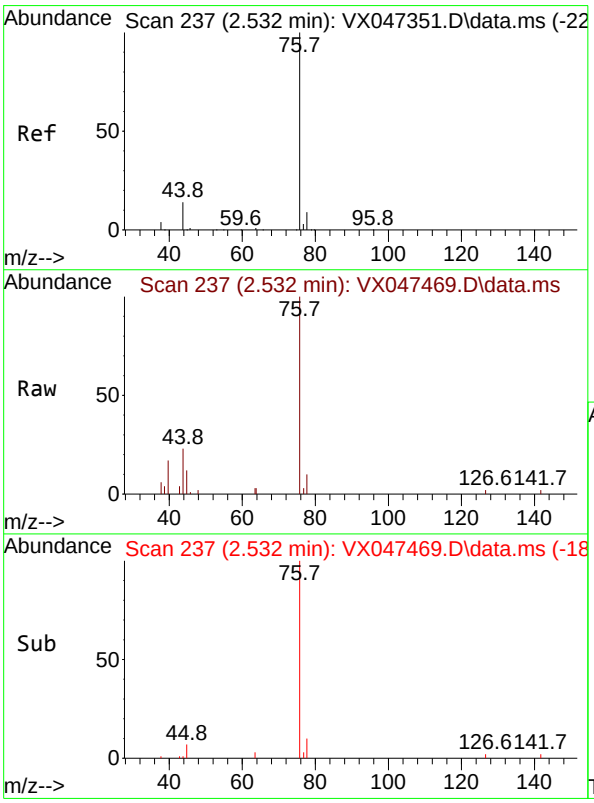
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047469.D
Acq: 21 Aug 2025 14:49

Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825RE

Tgt Ion:168 Resp: 220177

Ion	Ratio	Lower	Upper
168	100		
99	59.4	47.9	71.9

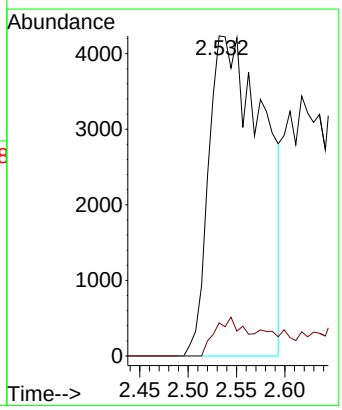


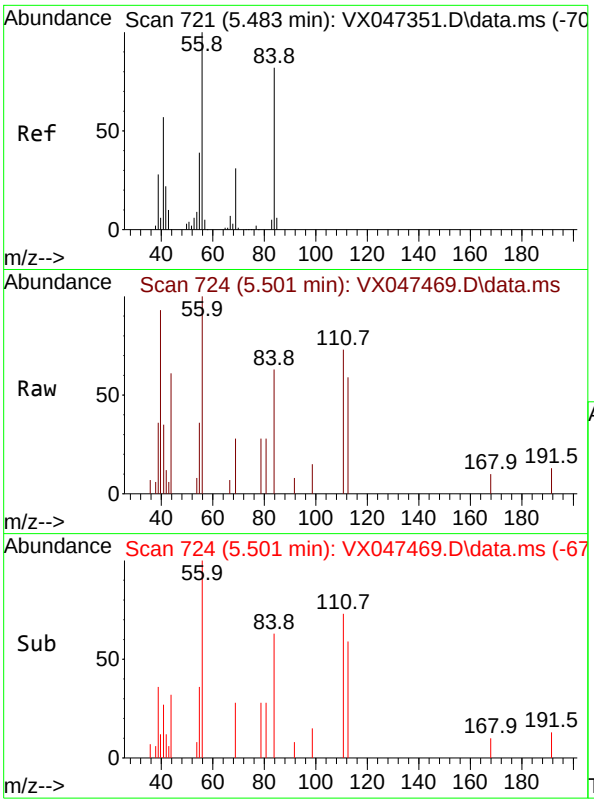


#17
Carbon Disulfide
Concen: 2.001 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX047469.D
Acq: 21 Aug 2025 14:49

Tgt Ion: 76 Resp: 16736

Ion	Ratio	Lower	Upper
76	100		
78	10.4	7.2	10.8



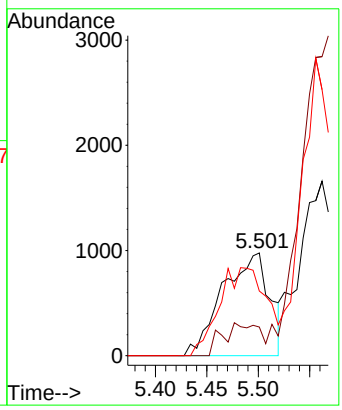


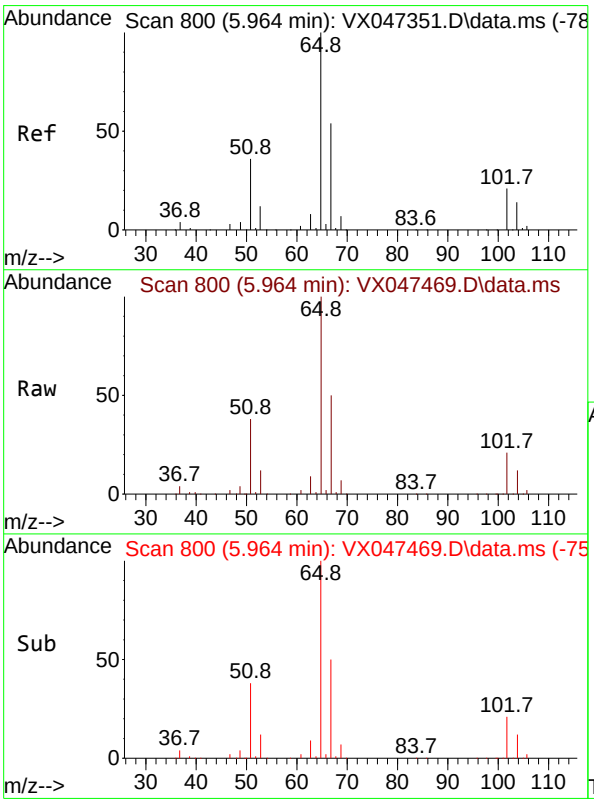
#31
Cyclohexane
Concen: 0.625 ug/l
RT: 5.501 min Scan# 7
Delta R.T. 0.018 min
Lab File: VX047469.D
Acq: 21 Aug 2025 14:49

Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825RE

Tgt Ion: 56 Resp: 3097

Ion	Ratio	Lower	Upper
56	100		
69	27.9	24.3	36.5
84	62.9	65.3	97.9#

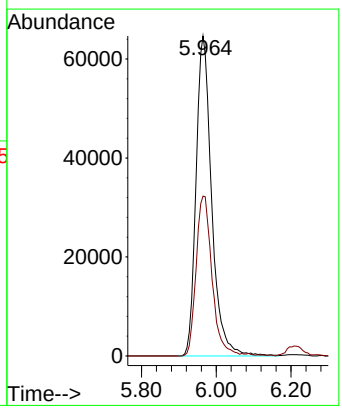


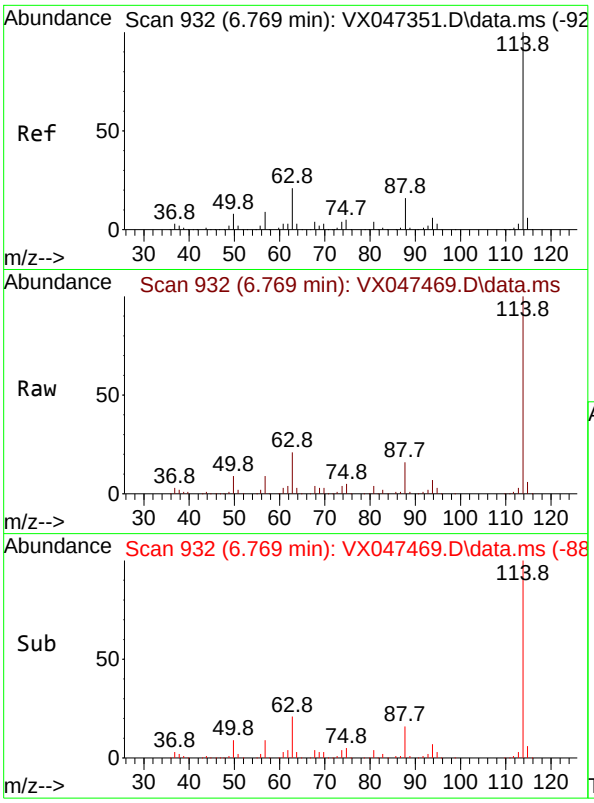


#33
1,2-Dichloroethane-d4
Concen: 60.763 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047469.D
Acq: 21 Aug 2025 14:49

Tgt Ion: 65 Resp: 187239

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	106.0



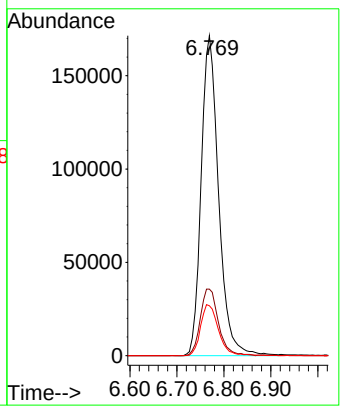


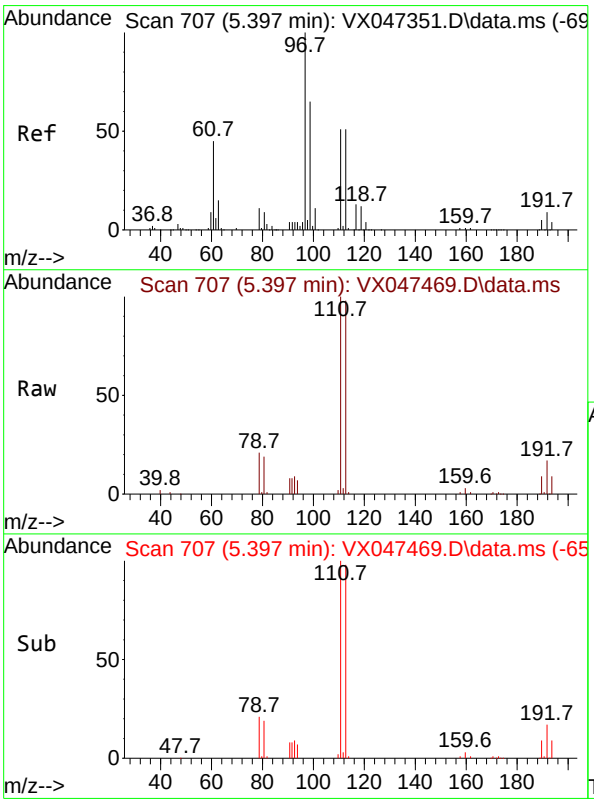
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047469.D
Acq: 21 Aug 2025 14:49

Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825RE

Tgt Ion:114 Resp: 441647

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	42.4
88	15.6	0.0	33.0

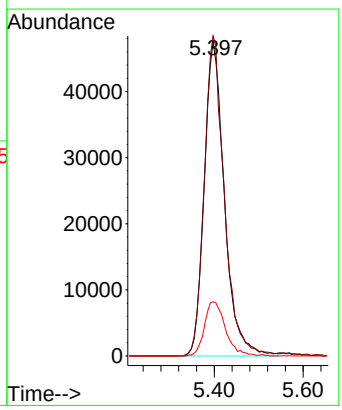


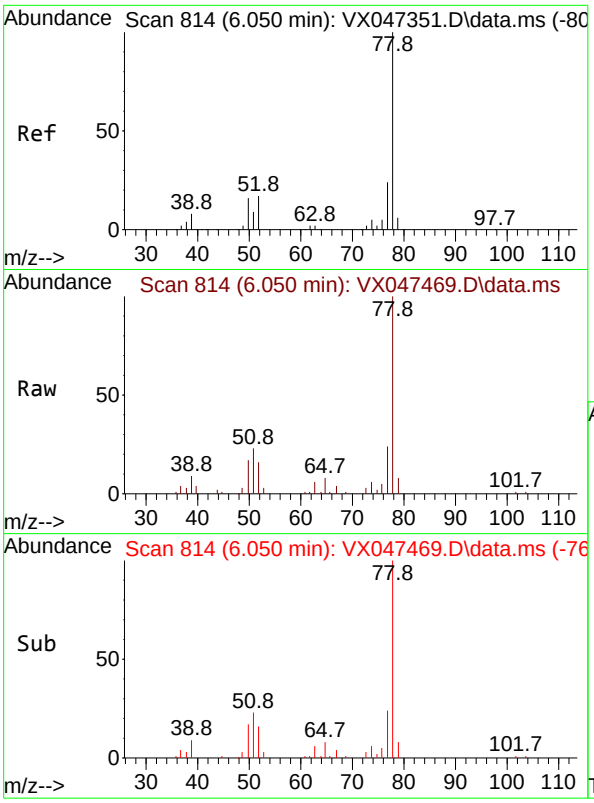


#35
Dibromofluoromethane
Concen: 52.483 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047469.D
Acq: 21 Aug 2025 14:49

Tgt Ion:113 Resp: 150434

Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.4	122.2
192	17.9	14.1	21.1



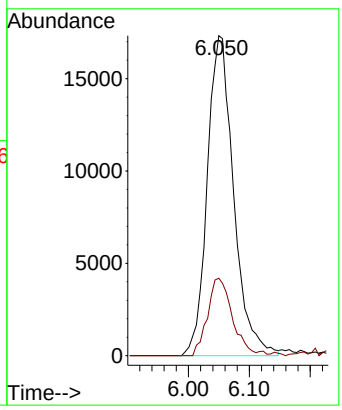


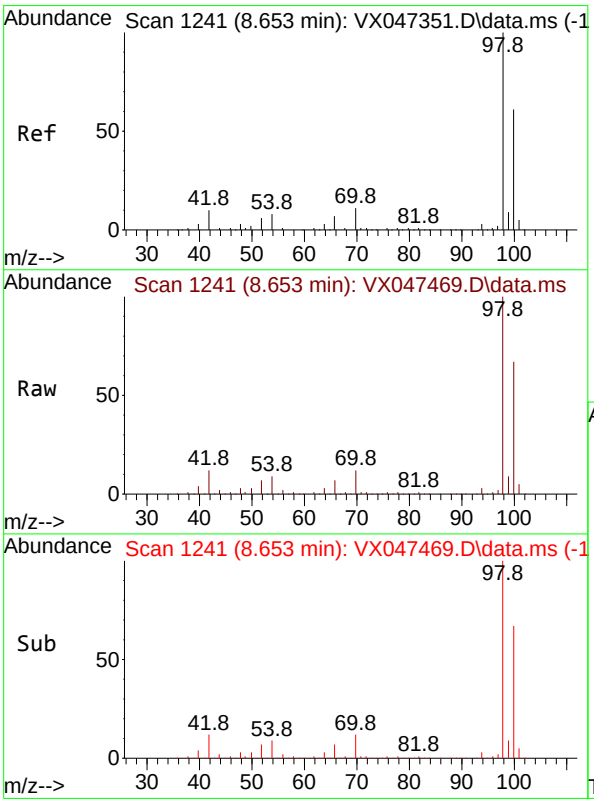
#40
Benzene
Concen: 3.848 ug/l
RT: 6.050 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047469.D
Acq: 21 Aug 2025 14:49

Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825RE

Tgt Ion: 78 Resp: 52117

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.4

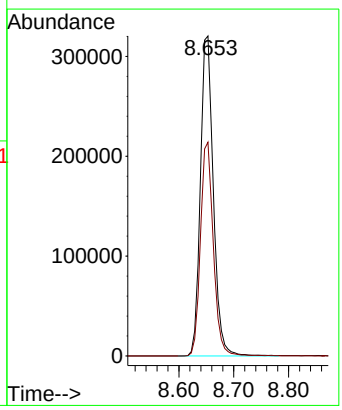


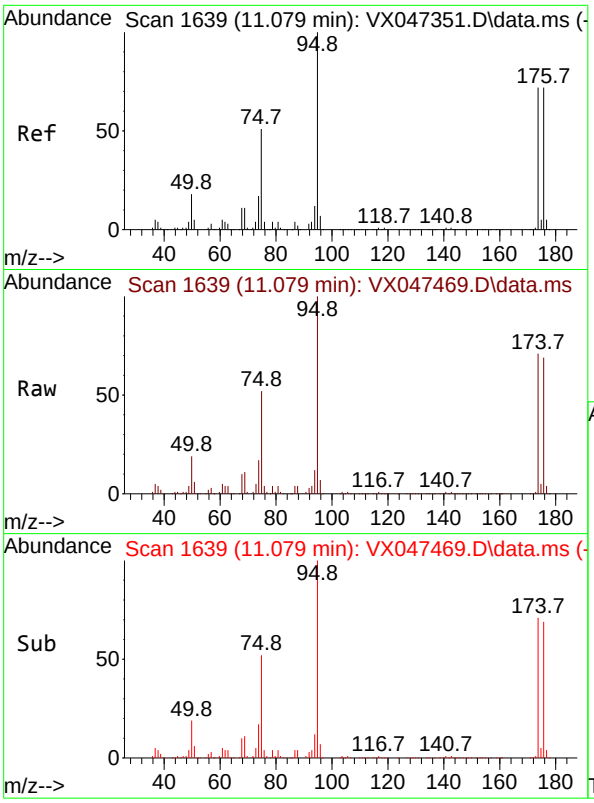


#50
Toluene-d8
Concen: 51.396 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047469.D
Acq: 21 Aug 2025 14:49

Tgt Ion: 98 Resp: 526558

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.9	80.9



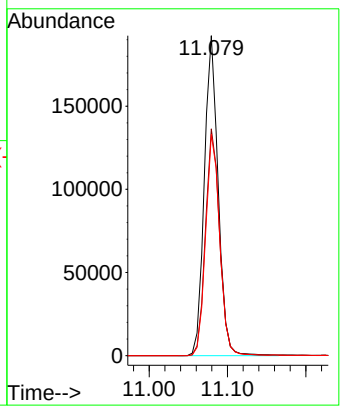


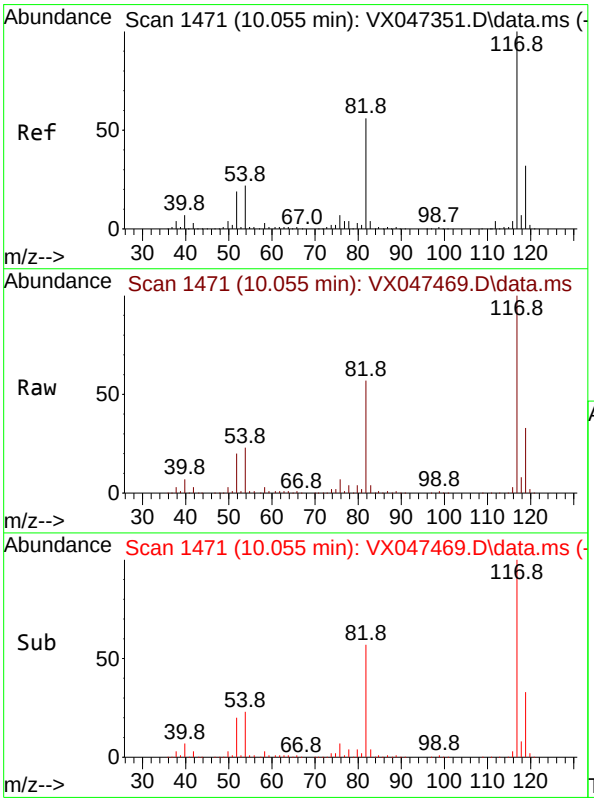
#62
4-Bromofluorobenzene
Concen: 62.298 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047469.D
Acq: 21 Aug 2025 14:49

Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825RE

Tgt Ion: 95 Resp: 235524

Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	148.0
176	70.2	0.0	145.4

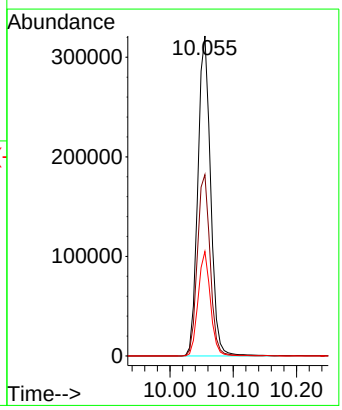


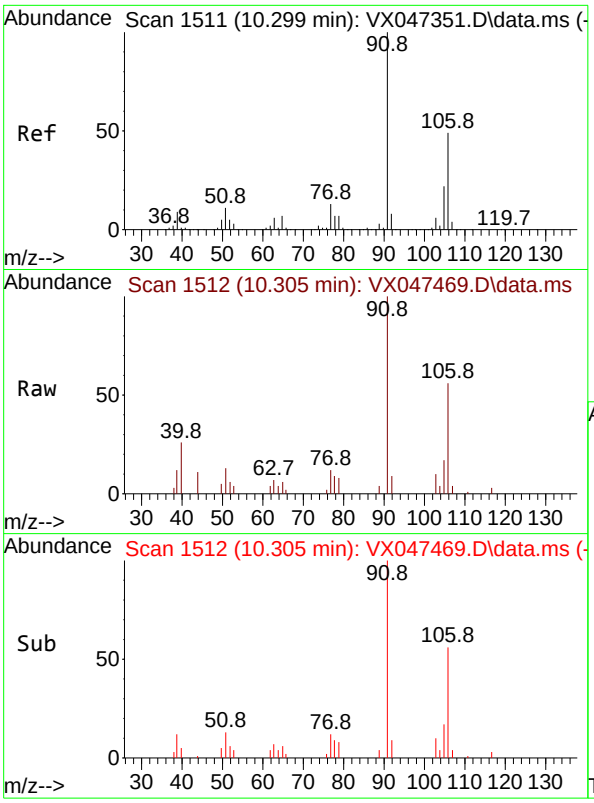


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047469.D
Acq: 21 Aug 2025 14:49

Tgt Ion:117 Resp: 451408

Ion	Ratio	Lower	Upper
117	100		
82	56.6	45.0	67.4
119	32.7	25.8	38.8



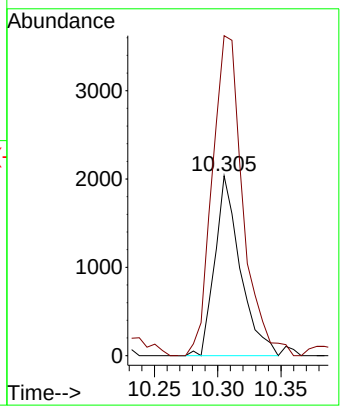


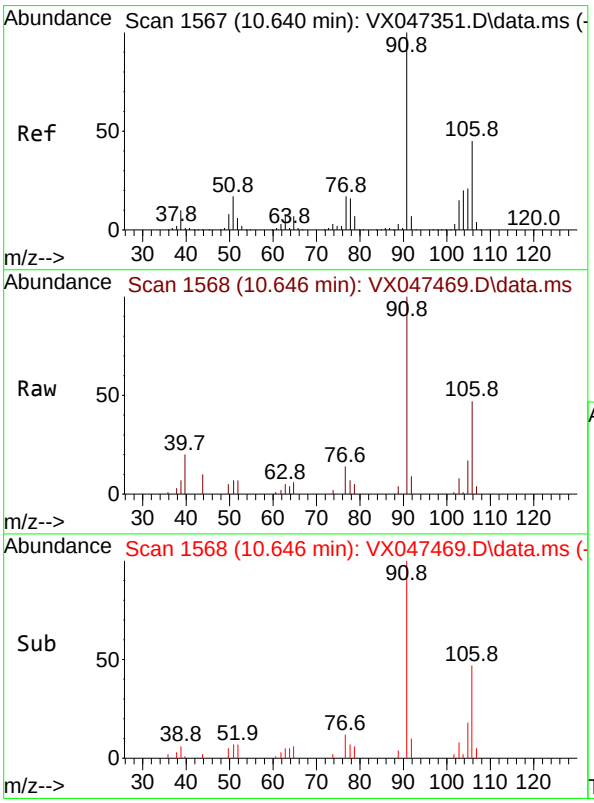
#68
m/p-Xylenes
Concen: 0.411 ug/l
RT: 10.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047469.D
Acq: 21 Aug 2025 14:49

Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825RE

Tgt Ion:106 Resp: 2831

Ion	Ratio	Lower	Upper
106	100		
91	215.1	164.7	247.1

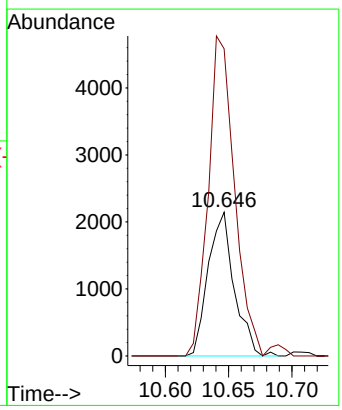


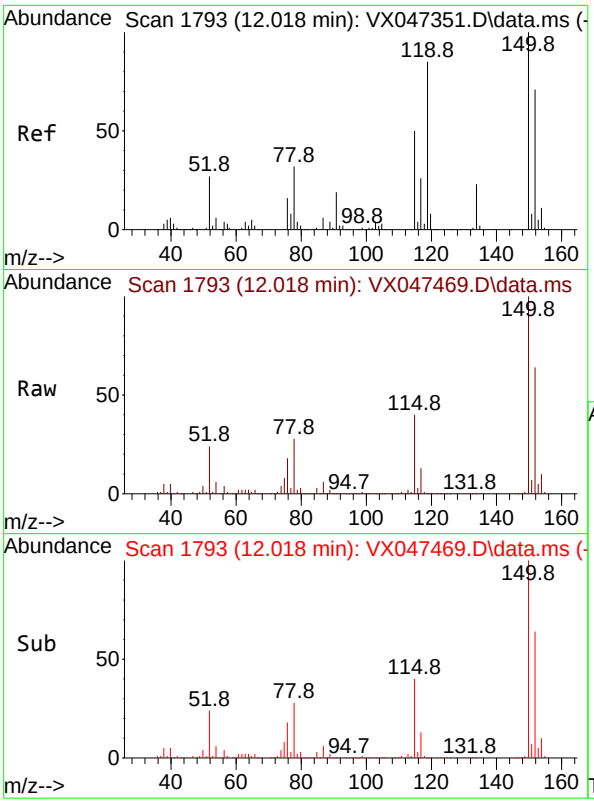


#69
o-Xylene
Concen: 0.465 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX047469.D
Acq: 21 Aug 2025 14:49

Tgt Ion:106 Resp: 3078

Ion	Ratio	Lower	Upper
106	100		
91	225.7	110.6	331.8



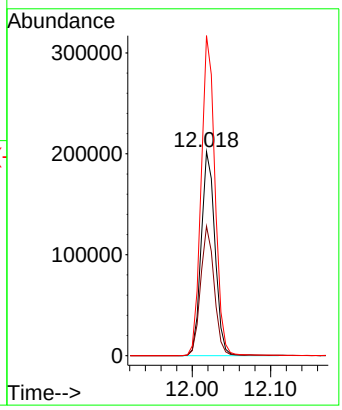


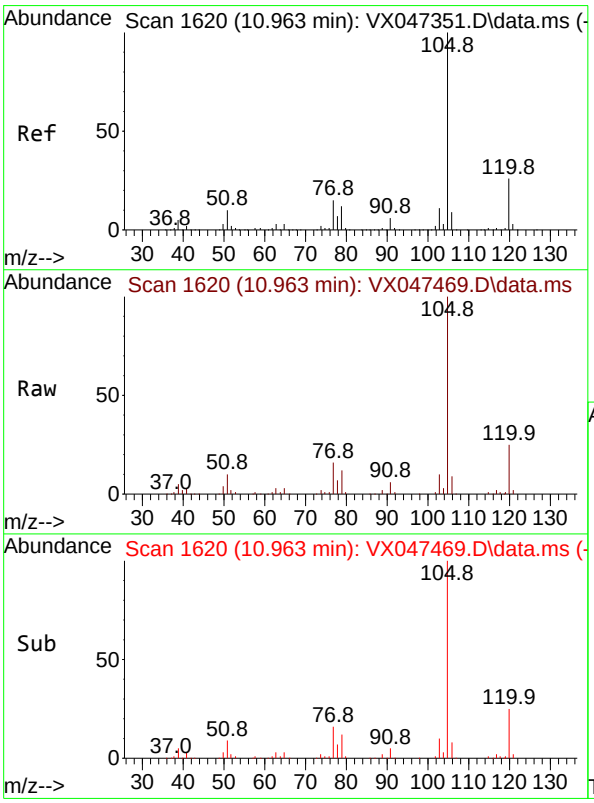
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047469.D
Acq: 21 Aug 2025 14:49

Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825RE

Tgt Ion:152 Resp: 247196

Ion	Ratio	Lower	Upper
152	100		
115	62.6	44.6	133.8
150	157.8	0.0	349.8

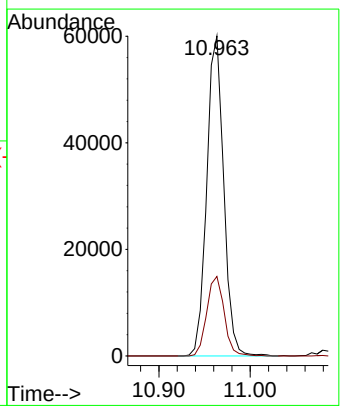


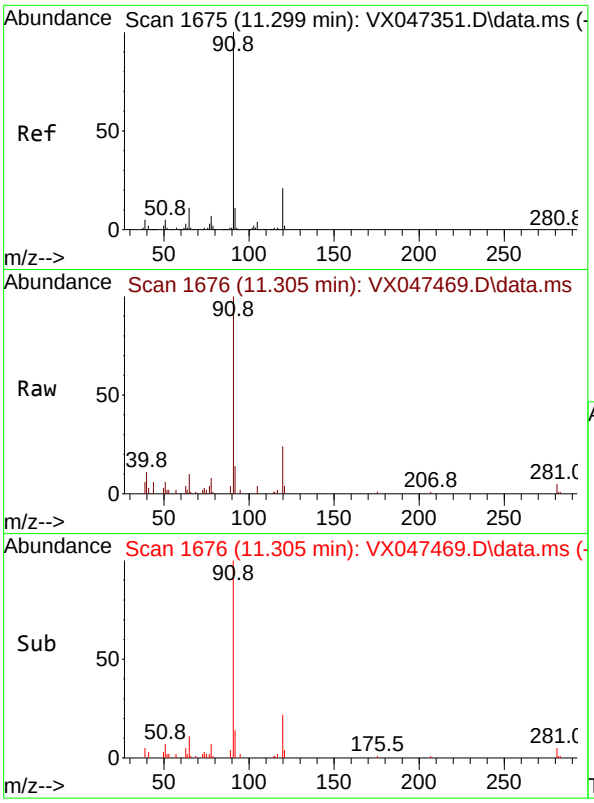


#73
Isopropylbenzene
Concen: 3.999 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX047469.D
Acq: 21 Aug 2025 14:49

Tgt Ion:105 Resp: 77364

Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.9	38.6



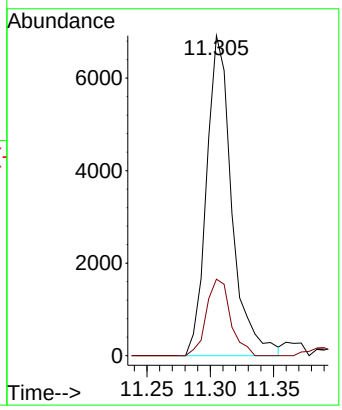


#78
n-propylbenzene
Concen: 0.416 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047469.D
Acq: 21 Aug 2025 14:49

Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825RE

Tgt Ion: 91 Resp: 9616

Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.0	33.0



Raw Data: **VX047466.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:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	TB-081825	SDG No.:	Q2900
Lab Sample ID:	Q2900-08	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
VX047466.D	1	08/21/25 13:46	VX082125

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: **VX047466.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:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	TB-081825	SDG No.:	Q2900
Lab Sample ID:	Q2900-08	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
VX047466.D	1	08/21/25 13:46	VX082125

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	60.0		74 - 125	120%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	50.2		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.7		77 - 121	115%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	223000	5.562			
540-36-3	1,4-Difluorobenzene	460000	6.769			
3114-55-4	Chlorobenzene-d5	461000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	240000	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VX047466.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:	08/18/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/18/25
Client Sample ID:	TB-081825	SDG No.:	Q2900
Lab Sample ID:	Q2900-08	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
VX047466.D	1	08/21/25 13:46	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
91-20-3	Naphthalene	2.20	J		13.8	ug/L

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047466.D
Acq On : 21 Aug 2025 13:46
Operator : JC/MD
Sample : Q2900-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-081825

Quant Time: Aug 22 03:45:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

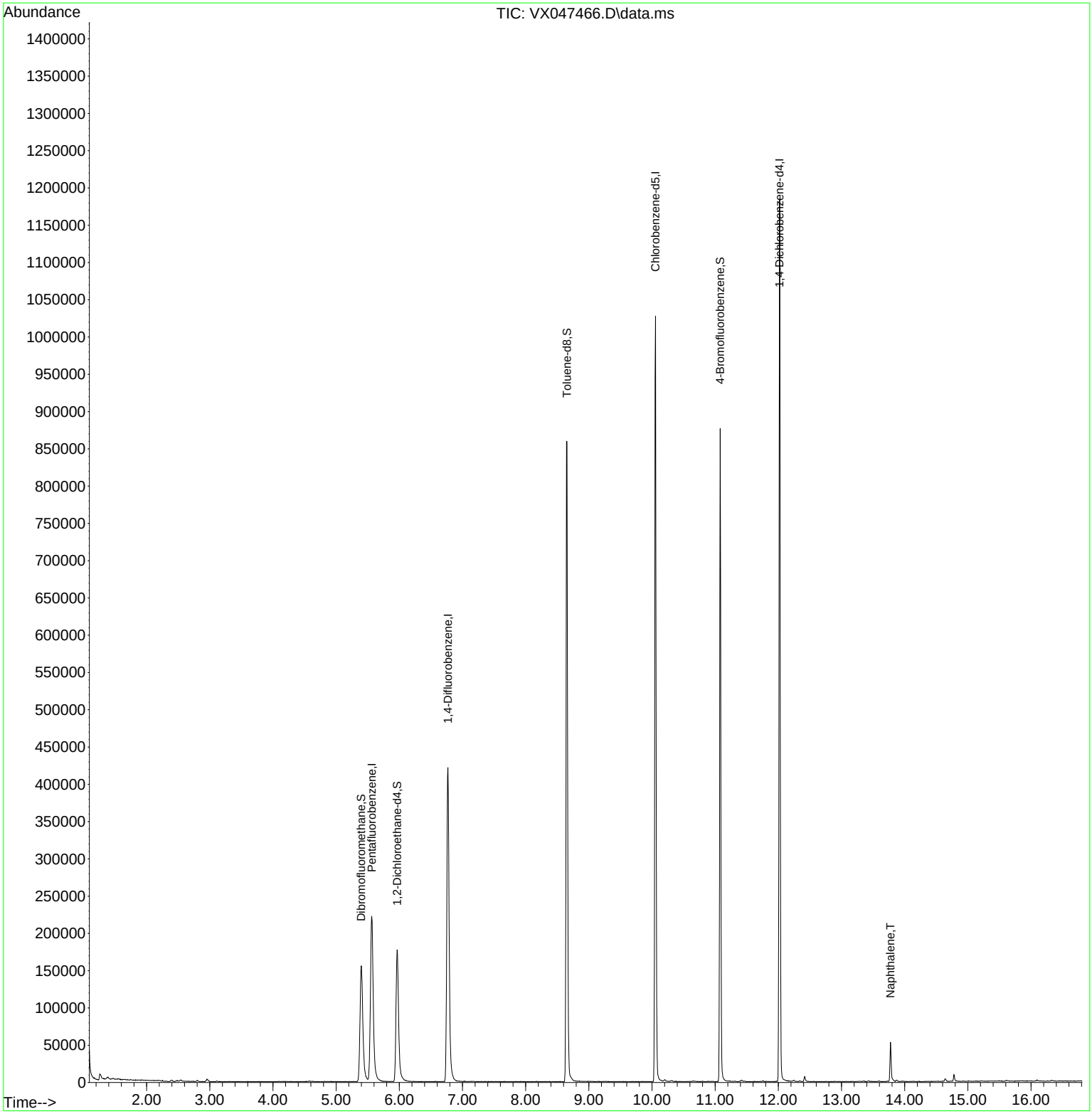
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	223325	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	459689	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	461078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	239770	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	187391	59.955	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 119.920%#			
35) Dibromofluoromethane	5.398	113	150402	50.413	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.820%			
50) Toluene-d8	8.653	98	535761	50.242	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.480%			
62) 4-Bromofluorobenzene	11.079	95	226877	57.655	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 115.320%			
Target Compounds						Qvalue
95) Naphthalene	13.774	128	35743	2.246	ug/l	99

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

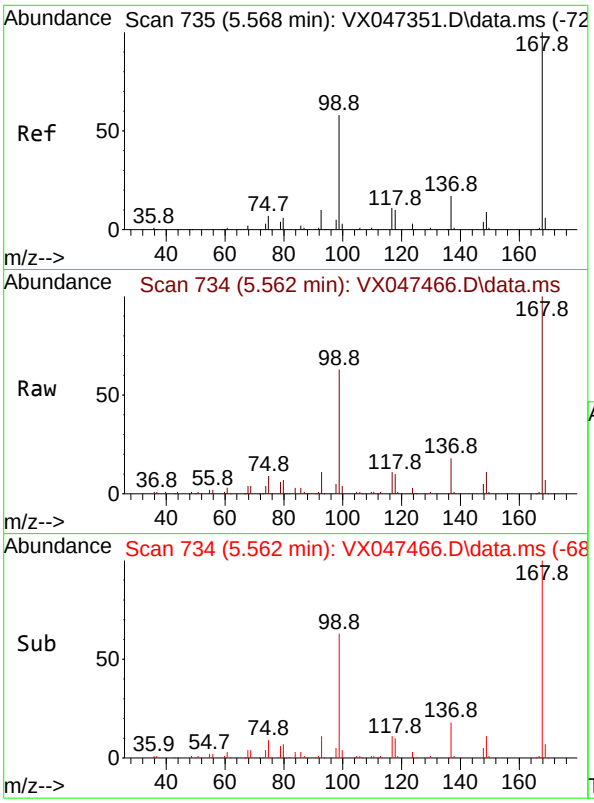
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047466.D
Acq On : 21 Aug 2025 13:46
Operator : JC/MD
Sample : Q2900-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-081825

Quant Time: Aug 22 03:45:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



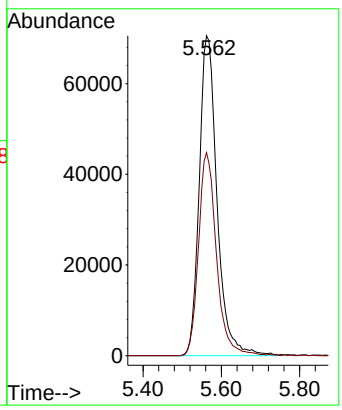
Instrument :
MSVOA_X
ClientSampleId :
TB-081825

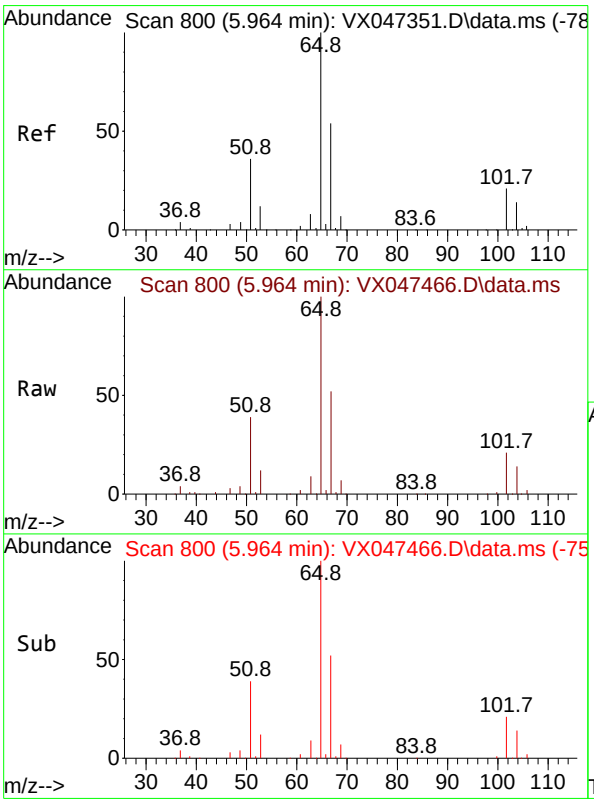


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047466.D
Acq: 21 Aug 2025 13:46

Tgt Ion:168 Resp: 223325

Ion	Ratio	Lower	Upper
168	100		
99	63.5	47.9	71.9

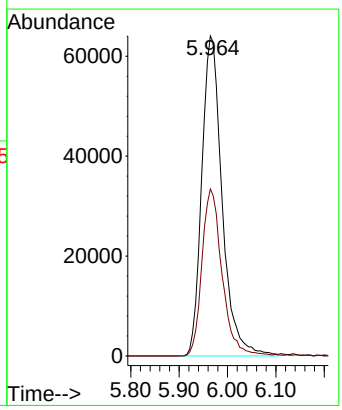


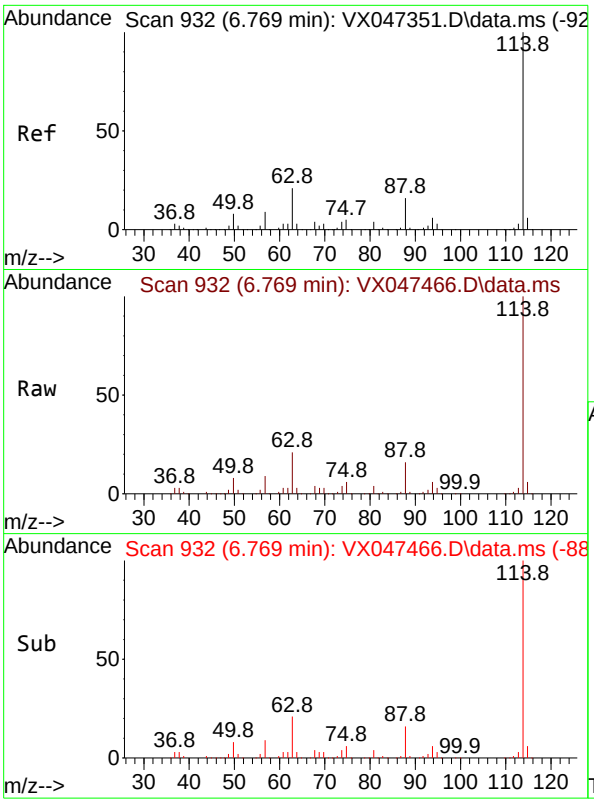


#33
1,2-Dichloroethane-d4
Concen: 59.955 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047466.D
Acq: 21 Aug 2025 13:46

Tgt Ion: 65 Resp: 187391

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	106.0



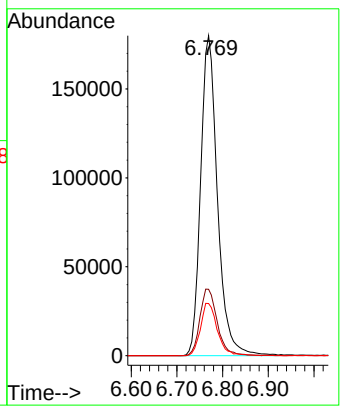


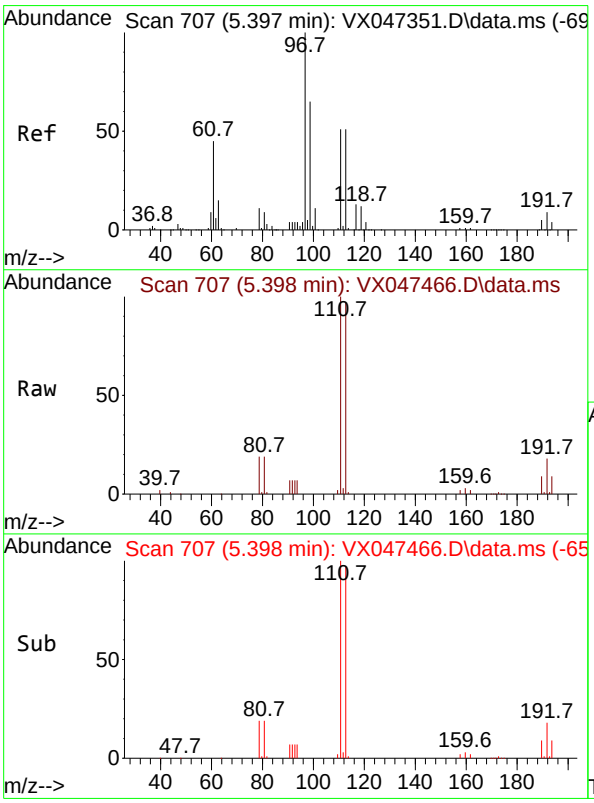
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047466.D
Acq: 21 Aug 2025 13:46

Instrument :
MSVOA_X
ClientSampleId :
TB-081825

Tgt Ion:114 Resp: 459689

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	42.4
88	16.3	0.0	33.0

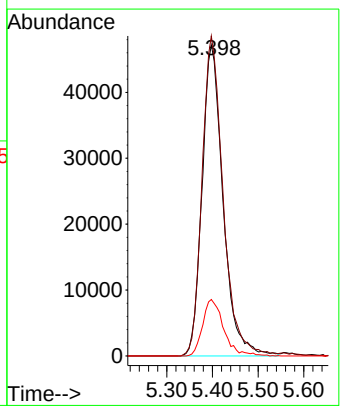


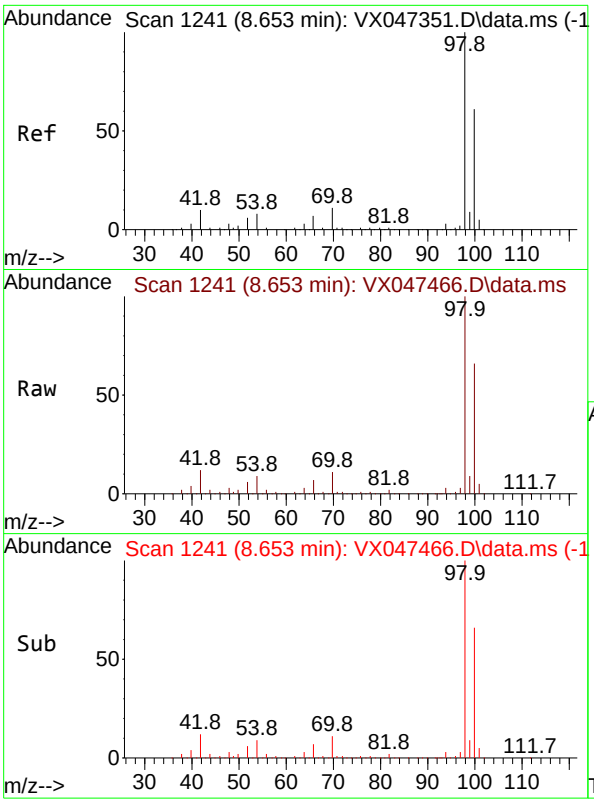


#35
Dibromofluoromethane
Concen: 50.413 ug/l
RT: 5.398 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047466.D
Acq: 21 Aug 2025 13:46

Tgt Ion:113 Resp: 150402

Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.4	122.2
192	18.2	14.1	21.1



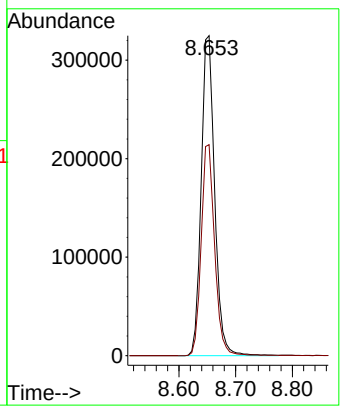


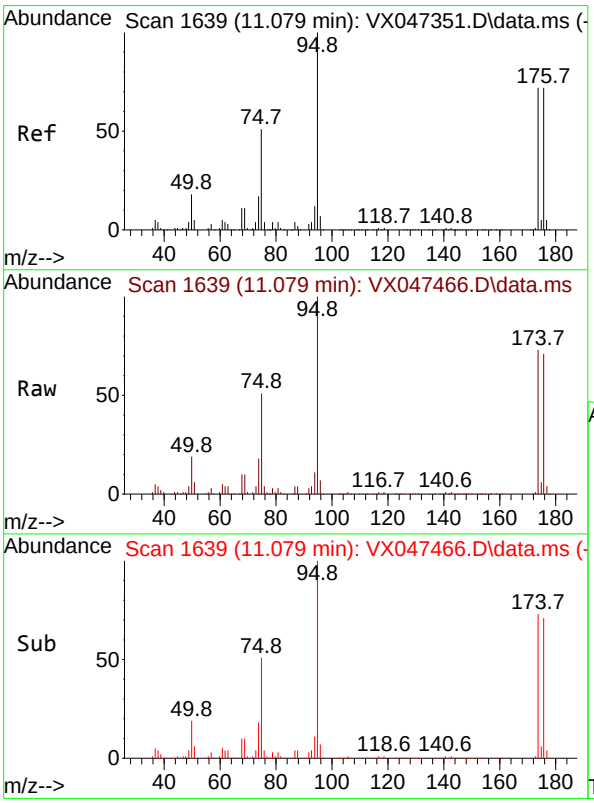
#50
Toluene-d8
Concen: 50.242 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047466.D
Acq: 21 Aug 2025 13:46

Instrument :
MSVOA_X
ClientSampleId :
TB-081825

Tgt Ion: 98 Resp: 535761

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.9	80.9

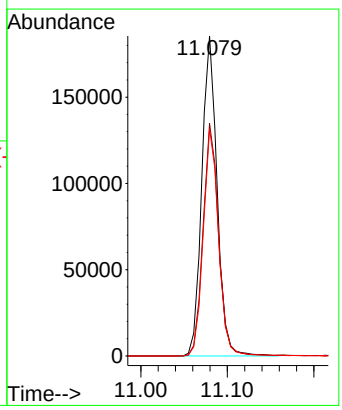


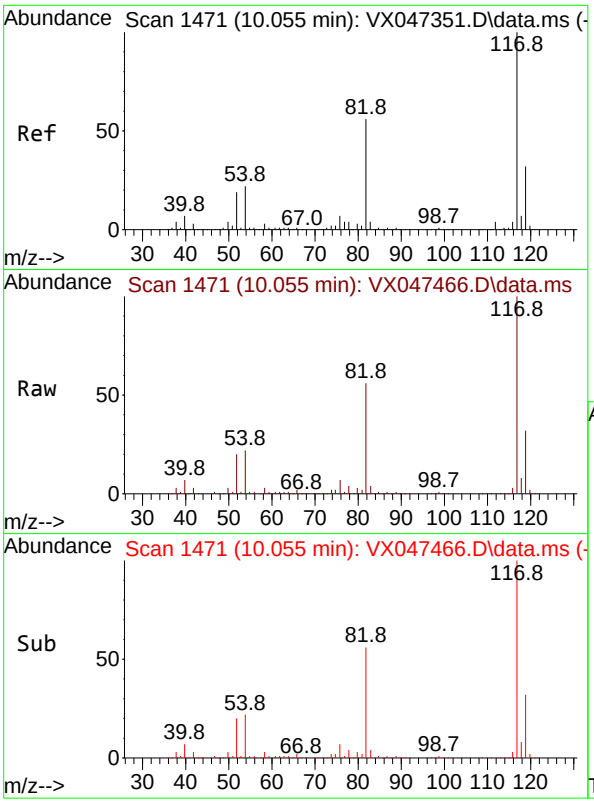


#62
4-Bromofluorobenzene
Concen: 57.655 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047466.D
Acq: 21 Aug 2025 13:46

Tgt Ion: 95 Resp: 226877

Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	148.0
176	71.3	0.0	145.4



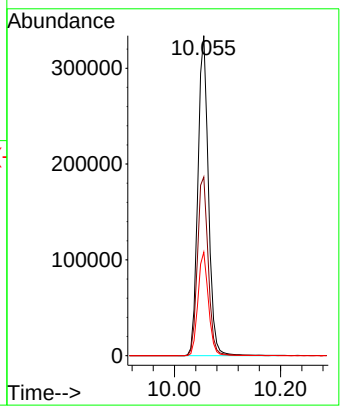


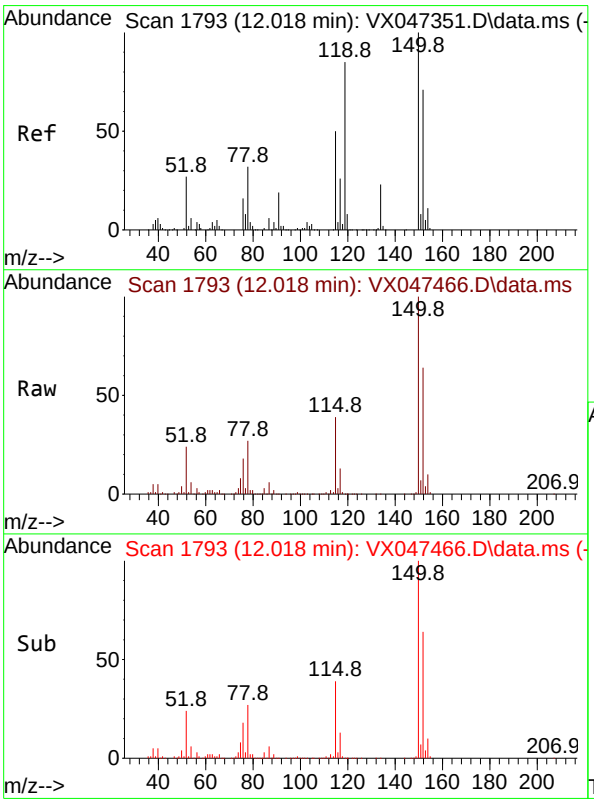
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047466.D
Acq: 21 Aug 2025 13:46

Instrument :
MSVOA_X
ClientSampleId :
TB-081825

Tgt Ion:117 Resp: 461078

Ion	Ratio	Lower	Upper
117	100		
82	55.8	45.0	67.4
119	32.3	25.8	38.8

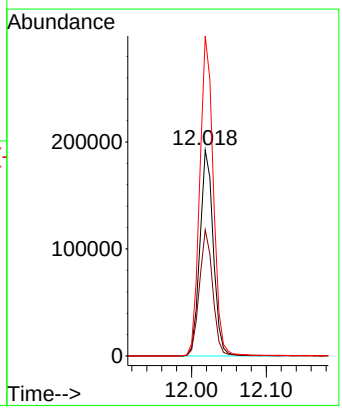


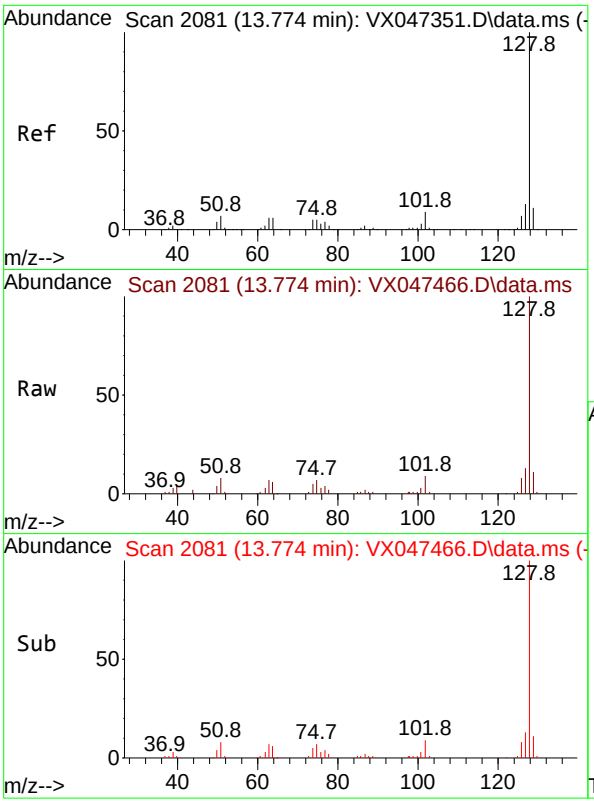


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047466.D
Acq: 21 Aug 2025 13:46

Tgt Ion:152 Resp: 239770

Ion	Ratio	Lower	Upper
152	100		
115	61.0	44.6	133.8
150	157.0	0.0	349.8



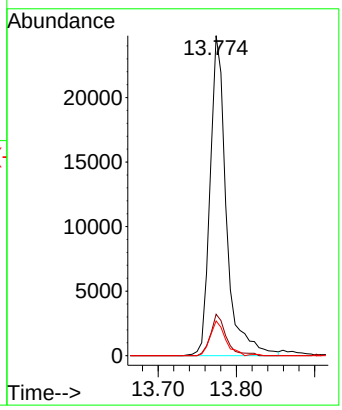


#95
Naphthalene
Concen: 2.246 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047466.D
Acq: 21 Aug 2025 13:46

Instrument :
MSVOA_X
ClientSampleId :
TB-081825

Tgt Ion:128 Resp: 35743

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.1	15.1
129	10.2	8.7	13.1



Sample Results: **VX047466.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047466.D
Acq On : 21 Aug 2025 13:46
Operator : JC/MD
Sample : Q2900-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-081825

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047466.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.258	25	28	37	rBV	8115	18187	1.22%	0.218%
2	5.398	696	707	723	rBV2	155623	493834	33.24%	5.931%
3	5.562	724	734	759	rVB	221292	692626	46.62%	8.319%
4	5.964	790	800	819	rBV	177136	512898	34.52%	6.160%
5	6.769	922	932	954	rBV	421463	1088831	73.29%	13.077%
6	8.647	1233	1240	1262	rBV	859146	1443812	97.18%	17.340%
7	10.055	1465	1471	1484	rBV	1027013	1436617	96.70%	17.254%
8	11.079	1634	1639	1656	rBV	875617	1079869	72.69%	12.969%
9	12.018	1788	1793	1810	rBV	1183841	1485671	100.00%	17.843%
10	13.774	2076	2081	2092	rBV	52800	73952	4.98%	0.888%

Sum of corrected areas: 8326297

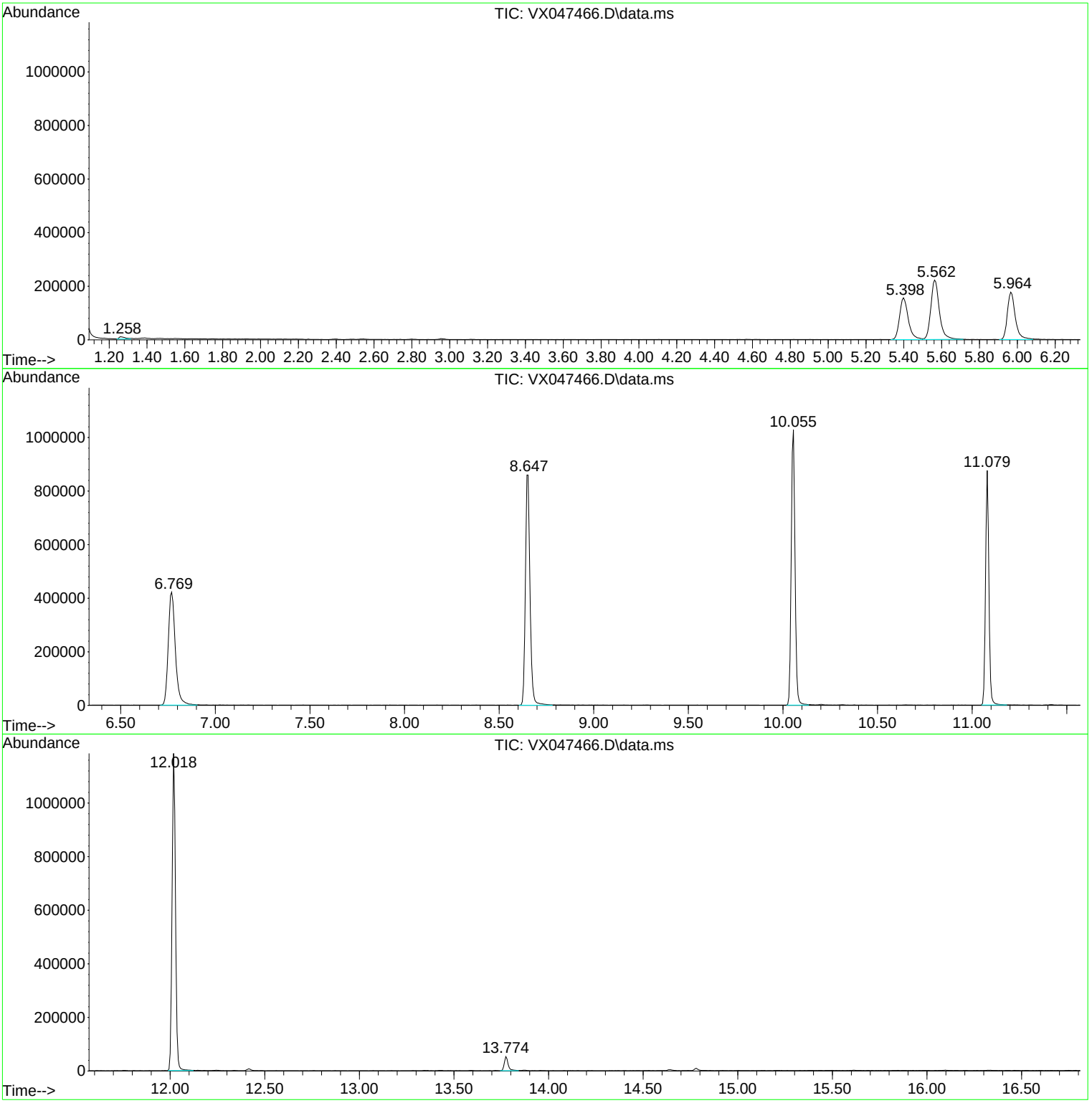
Sample Results: **VX047466.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047466.D
Acq On : 21 Aug 2025 13:46
Operator : JC/MD
Sample : Q2900-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-081825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX047466.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047466.D
Acq On : 21 Aug 2025 13:46
Operator : JC/MD
Sample : Q2900-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-081825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047466.D
Acq On : 21 Aug 2025 13:46
Operator : JC/MD
Sample : Q2900-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-081825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.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.: Q2900

Instrument ID: MSVOA_X | Calibration Date(s): 08/15/2025 08/15/2025

Heated Purge: (Y/N) N | Calibration Time(s): 09:40 12:30

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

LAB FILE ID: RRF005 = VX047349.D RRF020 = VX047350.D RRF050 = VX047351.D
RRF100 = VX047352.D RRF150 = VX047353.D RRF001 = VX047356.D

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.558	0.638	0.731	0.671	0.680	0.546	0.637	11.4
Chloromethane	0.539	0.568	0.624	0.567	0.594	0.549	0.573	5.4
Vinyl Chloride	0.651	0.751	0.800	0.729	0.757	0.630	0.720	9.2
Bromomethane	0.251	0.296	0.336	0.309	0.261		0.291	11.9
Chloroethane	0.392	0.440	0.463	0.410	0.422	0.515	0.440	10
Trichlorofluoromethane	1.012	1.121	1.188	1.060	1.069	0.938	1.065	8.1
1,1,2-Trichlorotrifluoroethane	0.589	0.664	0.697	0.624	0.637	0.494	0.618	11.4
1,1-Dichloroethene	0.575	0.664	0.697	0.635	0.651	0.555	0.630	8.6
Acetone	0.259	0.310	0.280	0.240	0.240	0.249	0.263	10.5
Carbon Disulfide	1.747	1.916	1.993	1.819	1.854	2.069	1.900	6.2
Methyl tert-butyl Ether	1.768	2.019	2.175	1.962	2.014	1.554	1.915	11.5
Methyl Acetate	0.620	0.661	0.769	0.689	0.728	0.621	0.682	8.7
Methylene Chloride	0.645	0.732	0.757	0.669	0.684	0.691	0.697	5.9
trans-1,2-Dichloroethene	0.638	0.705	0.725	0.655	0.664	0.621	0.668	6
1,1-Dichloroethane	1.180	1.294	1.356	1.210	1.238	1.052	1.222	8.5
Cyclohexane	1.024	1.202	1.210	1.082	1.113		1.126	7
2-Butanone	0.328	0.378	0.389	0.342	0.343	0.287	0.344	10.6
Carbon Tetrachloride	0.536	0.596	0.607	0.549	0.554	0.515	0.560	6.3
cis-1,2-Dichloroethene	0.758	0.826	0.846	0.769	0.779	0.692	0.778	7
Bromochloromethane	0.543	0.402	0.540	0.560	0.525	0.481	0.508	11.6
Chloroform	1.236	1.328	1.368	1.214	1.243	1.091	1.247	7.8
1,1,1-Trichloroethane	1.043	1.151	1.195	1.081	1.106	0.863	1.073	10.8
Methylcyclohexane	0.589	0.673	0.695	0.640	0.642	0.595	0.639	6.5
Benzene	1.502	1.665	1.701	1.516	1.504	1.312	1.533	9.1
1,2-Dichloroethane	0.521	0.594	0.600	0.532	0.528	0.484	0.543	8.3
Trichloroethene	0.383	0.423	0.432	0.390	0.391	0.336	0.393	8.6
1,2-Dichloropropane	0.349	0.415	0.421	0.381	0.382	0.357	0.384	7.6
Bromodichloromethane	0.548	0.621	0.635	0.578	0.573	0.513	0.578	7.8
4-Methyl-2-Pentanone	0.408	0.479	0.509	0.451	0.444	0.346	0.440	13
Toluene	0.920	1.043	1.057	0.936	0.927	0.802	0.947	9.9

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

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG No.: Q2900

Instrument ID: MSVOA_X | Calibration Date(s): 08/15/2025 08/15/2025

Heated Purge: (Y/N) N | Calibration Time(s): 09:40 12:30

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

LAB FILE ID: RRF005 = VX047349.D RRF020 = VX047350.D RRF050 = VX047351.D
RRF100 = VX047352.D RRF150 = VX047353.D RRF001 = VX047356.D

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.444	0.537	0.584	0.541	0.550	0.371	0.505	15.9
cis-1,3-Dichloropropene	0.531	0.608	0.642	0.592	0.602	0.451	0.571	12
1,1,2-Trichloroethane	0.358	0.393	0.396	0.352	0.347	0.313	0.360	8.6
2-Hexanone	0.284	0.338	0.347	0.310	0.306	0.239	0.304	12.9
Dibromochloromethane	0.412	0.461	0.464	0.426	0.420	0.382	0.428	7.3
1,2-Dibromoethane	0.358	0.397	0.409	0.365	0.361	0.336	0.371	7.2
Tetrachloroethene	0.351	0.384	0.398	0.360	0.360	0.316	0.362	7.8
Chlorobenzene	1.163	1.268	1.286	1.163	1.175	1.073	1.188	6.6
Ethyl Benzene	1.941	2.216	2.277	2.062	2.056	1.718	2.045	9.8
m/p-Xylenes	0.722	0.831	0.858	0.765	0.759	0.642	0.763	10.2
o-Xylene	0.679	0.793	0.813	0.735	0.732	0.651	0.734	8.6
Styrene	1.186	1.397	1.411	1.271	1.266	0.909	1.240	14.8
Bromoform	0.294	0.322	0.335	0.306	0.313	0.241	0.302	10.9
Isopropylbenzene	3.547	4.192	4.399	4.048	4.080	3.211	3.913	11.4
1,1,2,2-Tetrachloroethane	1.077	1.208	1.269	1.142	1.152	1.044	1.149	7.2
1,3-Dichlorobenzene	1.719	1.907	1.983	1.811	1.823	1.710	1.825	5.8
1,4-Dichlorobenzene	1.788	1.952	1.986	1.788	1.814	1.936	1.877	4.8
1,2-Dichlorobenzene	1.617	1.851	1.862	1.705	1.729	1.631	1.733	6.1
1,2-Dibromo-3-Chloropropane	0.182	0.225	0.247	0.238	0.249	0.191	0.222	13
1,2,4-Trichlorobenzene	1.030	1.168	1.234	1.191	1.204	1.144	1.161	6.2
1,2,3-Trichlorobenzene	0.919	1.109	1.174	1.132	1.160	1.075	1.095	8.5
1,2-Dichloroethane-d4	0.709	0.581	0.700	0.747	0.762		0.700	10.2
Dibromofluoromethane	0.310	0.278	0.331	0.354	0.349		0.325	9.6
Toluene-d8	1.157	0.994	1.171	1.246	1.232		1.160	8.7
4-Bromofluorobenzene	0.441	0.371	0.428	0.452	0.448		0.428	7.8

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

Response Factor Report MSVOA_X2

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X081525W.M
Title : SW846 8260
Last Update : Mon Aug 18 04:18:28 2025
Response Via : Initial Calibration

Calibration Files
1 =VX047356.D 5 =VX047349.D 20 =VX047350.D 50 =VX047351.D 100 =VX047352.D 150 =VX047353.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.546	0.558	0.638	0.731	0.671	0.680	0.637	11.38
3)	P	Chloromethane	0.549	0.539	0.568	0.624	0.567	0.594	0.573	5.41
4)	C	Vinyl Chloride	0.630	0.651	0.751	0.800	0.729	0.757	0.720	9.16#
5)	T	Bromomethane		0.251	0.296	0.336	0.309	0.261	0.291	11.94
6)	T	Chloroethane	0.515	0.392	0.440	0.463	0.410	0.422	0.440	10.01
7)	T	Trichlorofluor...	0.938	1.012	1.121	1.188	1.060	1.069	1.065	8.10
8)	T	Diethyl Ether	0.340	0.351	0.387	0.415	0.370	0.385	0.375	7.21
9)	T	1,1,2-Trichlor...	0.494	0.589	0.664	0.697	0.624	0.637	0.618	11.41
10)	T	Methyl Iodide		0.820	0.912	1.163	1.181	1.215	1.058	16.96
11)	T	Tert butyl alc...		0.052	0.059	0.068	0.062	0.063	0.061	9.76
12)	CM	1,1-Dichloroet...	0.555	0.575	0.664	0.697	0.635	0.651	0.630	8.61#
13)	T	Acrolein		0.130	0.122	0.132	0.127	0.131	0.129	3.22
14)	T	Allyl chloride	0.951	1.023	1.143	1.211	1.109	1.124	1.093	8.47
15)	T	Acrylonitrile	0.248	0.260	0.314	0.340	0.299	0.303	0.294	11.64
16)	T	Acetone	0.249	0.259	0.310	0.280	0.240	0.240	0.263	10.48
17)	T	Carbon Disulfide	2.069	1.747	1.916	1.993	1.819	1.854	1.900	6.21
18)	T	Methyl Acetate	0.621	0.620	0.661	0.769	0.689	0.728	0.682	8.75
19)	T	Methyl tert-bu...	1.554	1.768	2.019	2.175	1.962	2.014	1.915	11.49
20)	T	Methylene Chlo...	0.691	0.645	0.732	0.757	0.669	0.684	0.697	5.94
21)	T	trans-1,2-Dich...	0.621	0.638	0.705	0.725	0.655	0.664	0.668	5.98
22)	T	Diisopropyl ether	1.735	2.035	2.372	2.460	2.180	2.186	2.161	11.92
23)	T	Vinyl Acetate	1.412	1.596	1.919	2.040	1.821	1.841	1.772	12.91
24)	P	1,1-Dichloroet...	1.052	1.180	1.294	1.356	1.210	1.238	1.222	8.53
25)	T	2-Butanone	0.287	0.328	0.378	0.389	0.342	0.343	0.344	10.56
26)	T	2,2-Dichloropr...	0.776	0.864	0.976	1.017	0.940	0.960	0.922	9.49
27)	T	cis-1,2-Dichlo...	0.692	0.758	0.826	0.846	0.769	0.779	0.778	6.99
28)	T	Bromochloromet...	0.481	0.543	0.402	0.540	0.560	0.525	0.508	11.55
29)	T	Tetrahydrofuran	0.219	0.206	0.227	0.246	0.219	0.219	0.223	5.97
30)	C	Chloroform	1.091	1.236	1.328	1.368	1.214	1.243	1.247	7.75#
31)	T	Cyclohexane		1.024	1.202	1.210	1.082	1.112	1.126	7.05
32)	T	1,1,1-Trichlor...	0.863	1.043	1.151	1.195	1.081	1.106	1.073	10.80
33)	S	1,2-Dichloroet...		0.709	0.581	0.700	0.747	0.762	0.700	10.19
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.310	0.278	0.331	0.354	0.349	0.325	9.56
36)	T	1,1-Dichloropr...	0.474	0.475	0.551	0.562	0.509	0.502	0.512	7.25
37)	T	Ethyl Acetate	0.492	0.491	0.568	0.590	0.528	0.523	0.532	7.57
38)	T	Carbon Tetrach...	0.515	0.536	0.596	0.607	0.549	0.554	0.560	6.31
39)	T	Methylcyclohexane	0.595	0.589	0.673	0.695	0.640	0.642	0.639	6.55
40)	TM	Benzene	1.312	1.502	1.665	1.701	1.516	1.504	1.533	9.07
41)	T	Methacrylonitrile	0.175	0.192	0.244	0.258	0.245	0.231	0.224	14.75
42)	TM	1,2-Dichloroet...	0.484	0.521	0.594	0.600	0.532	0.528	0.543	8.33
43)	T	Isopropyl Acetate	0.645	0.660	0.811	0.868	0.798	0.802	0.764	11.82
44)	TM	Trichloroethene	0.336	0.383	0.423	0.432	0.390	0.391	0.393	8.64
45)	C	1,2-Dichloropr...	0.357	0.349	0.415	0.421	0.381	0.382	0.384	7.60#
46)	T	Dibromomethane	0.248	0.272	0.302	0.302	0.273	0.276	0.279	7.34
47)	T	Bromodichlorom...	0.513	0.548	0.621	0.635	0.578	0.573	0.578	7.81
48)	T	Methyl methacr...	0.352	0.335	0.419	0.445	0.412	0.417	0.397	10.89
49)	T	1,4-Dioxane	0.003	0.004	0.004	0.004	0.004	0.004	0.004	14.33
50)	S	Toluene-d8		1.157	0.994	1.171	1.246	1.232	1.160	8.66
51)	T	4-Methyl-2-Pen...	0.346	0.408	0.479	0.509	0.451	0.444	0.440	12.98
52)	CM	Toluene	0.802	0.920	1.043	1.057	0.936	0.927	0.947	9.87#
53)	T	t-1,3-Dichloro...	0.371	0.444	0.537	0.584	0.541	0.550	0.505	15.92
54)	T	cis-1,3-Dichlo...	0.451	0.531	0.608	0.642	0.592	0.602	0.571	12.05
55)	T	1,1,2-Trichlor...	0.313	0.358	0.393	0.396	0.352	0.347	0.360	8.61
56)	T	Ethyl methacry...	0.405	0.466	0.562	0.617	0.563	0.569	0.530	14.84

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X081525W.M

57)	T	1,3-Dichloropr...	0.553	0.591	0.672	0.670	0.600	0.592	0.613	7.78
58)	T	2-Chloroethyl ...	0.103	0.191	0.184	0.274	0.256	0.259	0.211	30.82
59)	T	2-Hexanone	0.239	0.284	0.338	0.347	0.310	0.306	0.304	12.89
60)	T	Dibromochlorom...	0.382	0.412	0.461	0.464	0.426	0.420	0.428	7.31
61)	T	1,2-Dibromoethane	0.336	0.358	0.397	0.409	0.365	0.361	0.371	7.24
62)	S	4-Bromofluorob...		0.441	0.371	0.428	0.452	0.448	0.428	7.78
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.316	0.351	0.384	0.398	0.360	0.360	0.362	7.79
65)	PM	Chlorobenzene	1.073	1.163	1.268	1.286	1.163	1.175	1.188	6.58
66)	T	1,1,1,2-Tetrac...	0.345	0.389	0.423	0.441	0.403	0.409	0.402	8.27
67)	C	Ethyl Benzene	1.718	1.941	2.216	2.277	2.062	2.056	2.045	9.81#
68)	T	m/p-Xylenes	0.642	0.722	0.831	0.858	0.765	0.759	0.763	10.18
69)	T	o-Xylene	0.651	0.679	0.793	0.813	0.735	0.732	0.734	8.55
70)	T	Styrene	0.909	1.186	1.397	1.411	1.271	1.266	1.240	14.80
71)	P	Bromoform	0.241	0.294	0.322	0.335	0.306	0.313	0.302	10.89
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.211	3.547	4.192	4.399	4.048	4.080	3.913	11.36
74)	T	N-amyl acetate	1.047	1.230	1.539	1.729	1.658	1.712	1.486	19.05
75)	P	1,1,2,2-Tetrac...	1.044	1.077	1.208	1.269	1.142	1.152	1.149	7.19
76)	T	1,2,3-Trichlor...	0.818	0.888	0.941	1.014	0.919	0.921	0.917	6.98
77)	T	Bromobenzene	0.797	0.909	1.017	1.053	0.978	0.977	0.955	9.54
78)	T	n-propylbenzene	3.905	4.263	5.031	5.179	4.817	4.844	4.673	10.45
79)	T	2-Chlorotoluene	2.545	2.612	3.039	3.096	2.828	2.830	2.825	7.80
80)	T	1,3,5-Trimethy...	2.716	2.909	3.463	3.588	3.311	3.329	3.219	10.44
81)	T	trans-1,4-Dich...		0.089	0.141	0.199	0.215	0.246	0.178	35.26
82)	T	4-Chlorotoluene	3.043	3.128	3.542	3.630	3.299	3.338	3.330	6.83
83)	T	tert-Butylbenzene	2.658	2.867	3.451	3.619	3.334	3.342	3.212	11.48
84)	T	1,2,4-Trimethy...	2.516	2.990	3.521	3.645	3.318	3.326	3.219	12.74
85)	T	sec-Butylbenzene	3.273	3.630	4.323	4.417	4.101	4.142	3.981	11.07
86)	T	p-Isopropyltol...	2.961	3.071	3.569	3.726	3.416	3.469	3.369	8.75
87)	T	1,3-Dichlorobe...	1.710	1.719	1.907	1.983	1.811	1.823	1.825	5.82
88)	T	1,4-Dichlorobe...	1.936	1.788	1.952	1.986	1.788	1.814	1.877	4.81
89)	T	n-Butylbenzene	2.816	2.796	3.309	3.444	3.208	3.227	3.133	8.52
90)	T	Hexachloroethane	0.529	0.505	0.584	0.653	0.618	0.657	0.591	10.74
91)	T	1,2-Dichlorobe...	1.631	1.617	1.851	1.862	1.705	1.729	1.733	6.06
92)	T	1,2-Dibromo-3-...	0.191	0.182	0.225	0.247	0.238	0.249	0.222	13.01
93)	T	1,2,4-Trichlor...	1.144	1.030	1.168	1.234	1.191	1.204	1.161	6.16
94)	T	Hexachlorobuta...	0.562	0.367	0.387	0.404	0.376	0.383	0.413	17.91
95)	T	Naphthalene	2.674	2.705	3.401	3.779	3.639	3.717	3.319	15.20
96)	T	1,2,3-Trichlor...	1.075	0.919	1.109	1.174	1.132	1.160	1.095	8.48

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047349.D
Acq On : 15 Aug 2025 09:40
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:52:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	281608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	479446	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	434591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	224159	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	19963	5.065	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 10.140%#			
35) Dibromofluoromethane	5.397	113	14862	4.776	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 9.560%#			
50) Toluene-d8	8.653	98	55469	4.987	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 9.980%#			
62) 4-Bromofluorobenzene	11.079	95	21138	5.150	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 10.300%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	15718	4.378	ug/l	97
3) Chloromethane	1.313	50	15170	4.697	ug/l	92
4) Vinyl Chloride	1.392	62	18322	4.520	ug/l	94
5) Bromomethane	1.624	94	7076	4.322	ug/l	94
6) Chloroethane	1.709	64	11042	4.452	ug/l	96
7) Trichlorofluoromethane	1.904	101	28485	4.751	ug/l	93
8) Diethyl Ether	2.148	74	9891	4.685	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.343	101	16582	4.768	ug/l	99
10) Methyl Iodide	2.471	142	23080	3.872	ug/l	97
11) Tert butyl alcohol	2.965	59	7340	21.408	ug/l #	89
12) 1,1-Dichloroethene	2.337	96	16204	4.570	ug/l	92
13) Acrolein	2.252	56	18274	25.248	ug/l	97
14) Allyl chloride	2.678	41	28797	4.676	ug/l	100
15) Acrylonitrile	3.087	53	36613	22.099	ug/l	97
16) Acetone	2.392	43	36440	24.598	ug/l	94
17) Carbon Disulfide	2.532	76	49197	4.598	ug/l	99
18) Methyl Acetate	2.721	43	17456	4.547	ug/l	93
19) Methyl tert-butyl Ether	3.130	73	49799	4.617	ug/l	100
20) Methylene Chloride	2.806	84	18175	4.633	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	17974	4.776	ug/l	88
22) Diisopropyl ether	3.776	45	57311	4.708	ug/l	96
23) Vinyl Acetate	3.739	43	224747	22.525	ug/l	100
24) 1,1-Dichloroethane	3.623	63	33241	4.831	ug/l	99
25) 2-Butanone	4.581	43	46235	23.830	ug/l	97
26) 2,2-Dichloropropane	4.489	77	24325	4.684	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	21338	4.868	ug/l	96
28) Bromochloromethane	4.916	49	15283	5.338	ug/l	98
29) Tetrahydrofuran	5.038	42	28938m	23.076	ug/l	
30) Chloroform	5.105	83	34798	4.955	ug/l	97
31) Cyclohexane	5.483	56	28847	4.548	ug/l	91
32) 1,1,1-Trichloroethane	5.404	97	29367	4.859	ug/l	99
36) 1,1-Dichloropropene	5.702	75	22796	4.641	ug/l	96
37) Ethyl Acetate	4.739	43	23521	4.613	ug/l	99
38) Carbon Tetrachloride	5.690	117	25718	4.791	ug/l	96
39) Methylcyclohexane	7.385	83	28242	4.609	ug/l	98
40) Benzene	6.050	78	72021	4.899	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047349.D
Acq On : 15 Aug 2025 09:40
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 18 02:52:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.958	41	9185	4.271 ug/l #	91
42) 1,2-Dichloroethane	6.099	62	24979	4.796 ug/l	99
43) Isopropyl Acetate	6.361	43	31621	4.316 ug/l	97
44) Trichloroethene	7.135	130	18386	4.884 ug/l	99
45) 1,2-Dichloropropane	7.434	63	16729	4.542 ug/l	95
46) Dibromomethane	7.592	93	13062	4.885 ug/l	97
47) Bromodichloromethane	7.824	83	26280	4.741 ug/l	95
48) Methyl methacrylate	7.702	41	16053	4.222 ug/l	99
49) 1,4-Dioxane	7.696	88	3959m	109.635 ug/l	
51) 4-Methyl-2-Pentanone	8.580	43	97891	23.221 ug/l	97
52) Toluene	8.720	92	44099	4.854 ug/l	98
53) t-1,3-Dichloropropene	8.982	75	21300	4.403 ug/l	94
54) cis-1,3-Dichloropropene	8.373	75	25475	4.652 ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	17150	4.972 ug/l #	83
56) Ethyl methacrylate	9.122	69	22362	4.397 ug/l	97
57) 1,3-Dichloropropane	9.311	76	28336	4.821 ug/l	98
58) 2-Chloroethyl Vinyl ether	8.245	63	45735	26.559 ug/l	98
59) 2-Hexanone	9.433	43	68164	23.375 ug/l	96
60) Dibromochloromethane	9.519	129	19760	4.820 ug/l	97
61) 1,2-Dibromoethane	9.610	107	17154	4.823 ug/l	97
64) Tetrachloroethene	9.275	164	15266	4.856 ug/l	91
65) Chlorobenzene	10.080	112	50559	4.896 ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.165	131	16894	4.839 ug/l	96
67) Ethyl Benzene	10.195	91	84363	4.746 ug/l	98
68) m/p-Xylenes	10.299	106	62714	9.462 ug/l	97
69) o-Xylene	10.640	106	29488	4.623 ug/l	100
70) Styrene	10.653	104	51543	4.783 ug/l	98
71) Bromoform	10.799	173	12769	4.869 ug/l #	94
73) Isopropylbenzene	10.964	105	79512	4.533 ug/l	99
74) N-amyl acetate	10.842	43	27565	4.138 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	24139	4.687 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	19912m	4.843 ug/l	
77) Bromobenzene	11.195	156	20380	4.758 ug/l	96
78) n-propylbenzene	11.305	91	95550	4.561 ug/l	100
79) 2-Chlorotoluene	11.366	91	58544	4.623 ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	65210	4.518 ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	1992	9.640 ug/l	87
82) 4-Chlorotoluene	11.451	91	70117	4.697 ug/l	98
83) tert-Butylbenzene	11.713	119	64267	4.463 ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	67032	4.644 ug/l	98
85) sec-Butylbenzene	11.890	105	81375	4.559 ug/l	99
86) p-Isopropyltoluene	12.006	119	68849	4.559 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	38531	4.709 ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	40089	4.763 ug/l	93
89) n-Butylbenzene	12.329	91	62666	4.461 ug/l	99
90) Hexachloroethane	12.536	117	11325	4.274 ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	36248	4.667 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	4081	4.097 ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	23080	4.432 ug/l	96
94) Hexachlorobutadiene	13.725	225	8221	4.436 ug/l	94
95) Naphthalene	13.774	128	60645	4.076 ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	20611	4.199 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047349.D
Acq On : 15 Aug 2025 09:40
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:52:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

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

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

ICAL Form

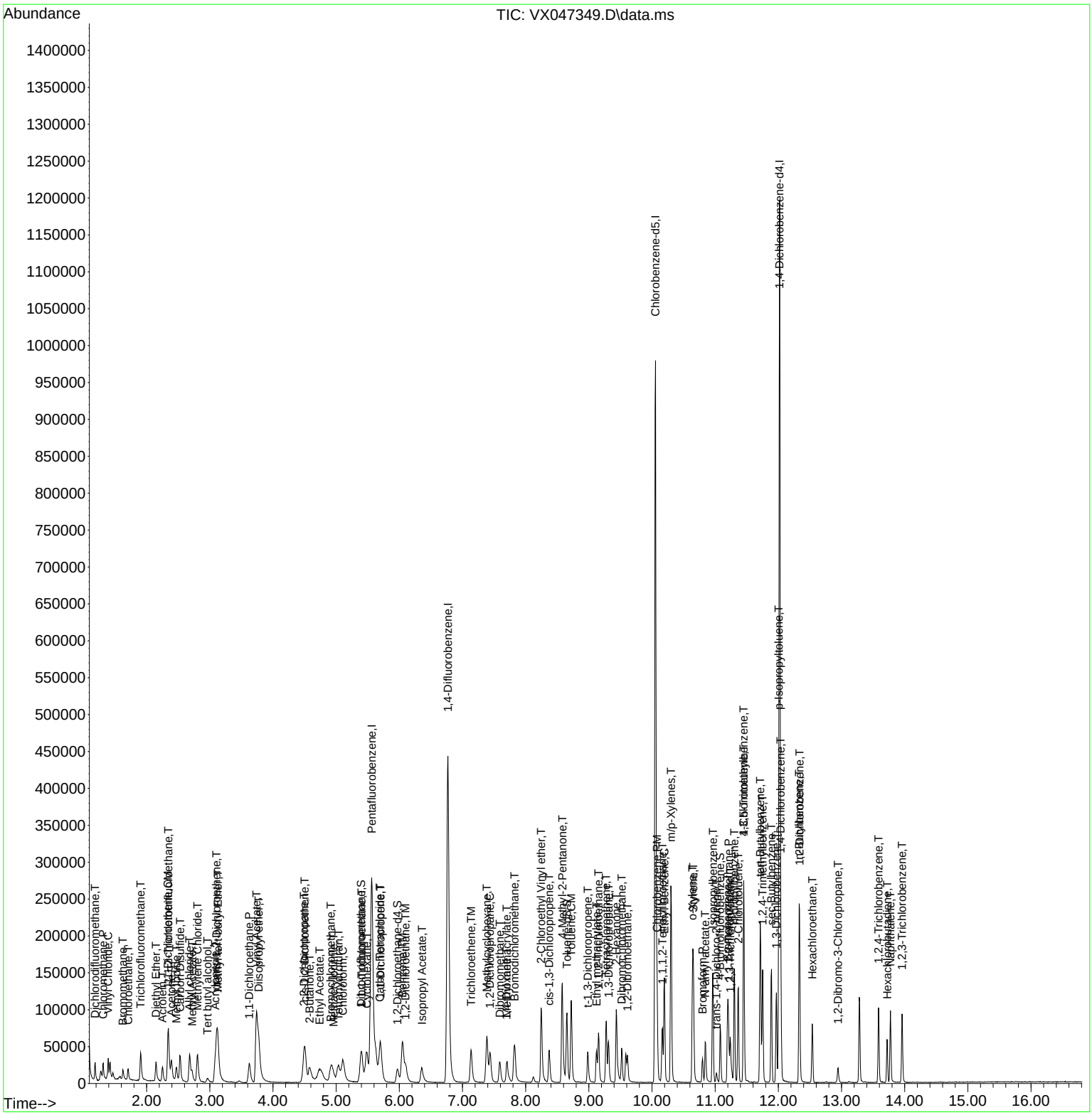
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047349.D
Acq On : 15 Aug 2025 09:40
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 18 02:52:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047350.D
Acq On : 15 Aug 2025 10:01
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:53:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	259497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	434596	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	392362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	196732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	60290	16.601	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 33.200%#			
35) Dibromofluoromethane	5.397	113	48382	17.153	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 34.300%#			
50) Toluene-d8	8.653	98	172730	17.133	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 34.260%#			
62) 4-Bromofluorobenzene	11.079	95	64433	17.320	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 34.640%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	66192	20.010	ug/l	96
3) Chloromethane	1.313	50	58950	19.810	ug/l	96
4) Vinyl Chloride	1.392	62	77968	20.874	ug/l	99
5) Bromomethane	1.624	94	30761	20.389	ug/l	89
6) Chloroethane	1.703	64	45658	19.979	ug/l	100
7) Trichlorofluoromethane	1.904	101	116366	21.062	ug/l	96
8) Diethyl Ether	2.148	74	40131	20.629	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.349	101	68887	21.495	ug/l	100
10) Methyl Iodide	2.471	142	94708	17.244	ug/l	99
11) Tert butyl alcohol	2.965	59	30471	96.445	ug/l	98
12) 1,1-Dichloroethene	2.337	96	68973	21.110	ug/l	98
13) Acrolein	2.252	56	63232	94.809	ug/l	100
14) Allyl chloride	2.678	41	118613	20.902	ug/l	99
15) Acrylonitrile	3.081	53	163095	106.830	ug/l	99
16) Acetone	2.392	43	161019	117.954	ug/l	95
17) Carbon Disulfide	2.532	76	198834	20.167	ug/l	98
18) Methyl Acetate	2.715	43	68662	19.410	ug/l	99
19) Methyl tert-butyl Ether	3.130	73	209527	21.080	ug/l	98
20) Methylene Chloride	2.806	84	76029	21.033	ug/l	97
21) trans-1,2-Dichloroethene	3.111	96	73205	21.110	ug/l	99
22) Diisopropyl ether	3.776	45	246210	21.949	ug/l	98
23) Vinyl Acetate	3.733	43	996178	108.348	ug/l	97
24) 1,1-Dichloroethane	3.629	63	134271	21.177	ug/l	99
25) 2-Butanone	4.568	43	195973	109.614	ug/l	96
26) 2,2-Dichloropropane	4.489	77	101341	21.177	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	85695	21.217	ug/l	98
28) Bromochloromethane	4.910	49	41717	15.812	ug/l	100
29) Tetrahydrofuran	5.032	42	117869	102.002	ug/l	97
30) Chloroform	5.105	83	137885	21.309	ug/l	96
31) Cyclohexane	5.483	56	124775	21.348	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	119441	21.445	ug/l	98
36) 1,1-Dichloropropene	5.702	75	95703	21.494	ug/l	99
37) Ethyl Acetate	4.727	43	98709	21.355	ug/l	96
38) Carbon Tetrachloride	5.690	117	103616	21.296	ug/l	96
39) Methylcyclohexane	7.385	83	116913	21.051	ug/l	95
40) Benzene	6.050	78	289406	21.716	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047350.D
Acq On : 15 Aug 2025 10:01
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:53:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.940	41	42490	21.799	ug/l		96
42) 1,2-Dichloroethane	6.098	62	103227	21.867	ug/l		98
43) Isopropyl Acetate	6.348	43	141062	21.243	ug/l		99
44) Trichloroethene	7.135	130	73526	21.546	ug/l		94
45) 1,2-Dichloropropane	7.434	63	72118	21.601	ug/l		100
46) Dibromomethane	7.586	93	52472	21.648	ug/l		99
47) Bromodichloromethane	7.824	83	107990	21.491	ug/l		98
48) Methyl methacrylate	7.696	41	72765	21.111	ug/l		100
49) 1,4-Dioxane	7.684	88	13554m	414.079	ug/l		
51) 4-Methyl-2-Pentanone	8.574	43	416671	109.039	ug/l		100
52) Toluene	8.720	92	181368	22.024	ug/l		100
53) t-1,3-Dichloropropene	8.982	75	93302	21.275	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	105701	21.294	ug/l		99
55) 1,1,2-Trichloroethane	9.153	97	68282	21.838	ug/l		98
56) Ethyl methacrylate	9.116	69	97675	21.188	ug/l		99
57) 1,3-Dichloropropane	9.311	76	116737	21.910	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.244	63	159793	78.521	ug/l		99
59) 2-Hexanone	9.433	43	293885	111.182	ug/l		100
60) Dibromochloromethane	9.519	129	80119	21.561	ug/l		98
61) 1,2-Dibromoethane	9.610	107	68961	21.388	ug/l		99
64) Tetrachloroethene	9.275	164	60329	21.257	ug/l		93
65) Chlorobenzene	10.079	112	198998	21.342	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	66366	21.056	ug/l		99
67) Ethyl Benzene	10.195	91	347834	21.675	ug/l		99
68) m/p-Xylenes	10.299	106	260945	43.608	ug/l		98
69) o-Xylene	10.640	106	124422	21.606	ug/l		99
70) Styrene	10.653	104	219310	22.540	ug/l		99
71) Bromoform	10.799	173	50519	21.335	ug/l	#	99
73) Isopropylbenzene	10.963	105	329846	21.425	ug/l		99
74) N-amyl acetate	10.842	43	121116	20.717	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	95098	21.039	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	74083m	20.531	ug/l		
77) Bromobenzene	11.195	156	80066	21.298	ug/l		99
78) n-propylbenzene	11.305	91	395888	21.531	ug/l		99
79) 2-Chlorotoluene	11.360	91	239133	21.515	ug/l		97
80) 1,3,5-Trimethylbenzene	11.451	105	272501	21.513	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	11057	19.090	ug/l		90
82) 4-Chlorotoluene	11.451	91	278705	21.272	ug/l		99
83) tert-Butylbenzene	11.713	119	271541	21.487	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	277110	21.876	ug/l		100
85) sec-Butylbenzene	11.890	105	340203	21.719	ug/l		99
86) p-Isopropyltoluene	12.006	119	280855	21.189	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	150028	20.890	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	153630	20.798	ug/l		99
89) n-Butylbenzene	12.329	91	260428	21.124	ug/l		99
90) Hexachloroethane	12.536	117	45934	19.754	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	145629	21.363	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	17698	20.246	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	91878	20.105	ug/l		100
94) Hexachlorobutadiene	13.719	225	30481	18.738	ug/l		98
95) Naphthalene	13.774	128	267664	20.495	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	87275	20.261	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047350.D
Acq On : 15 Aug 2025 10:01
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:53:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

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

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

ICAL Form

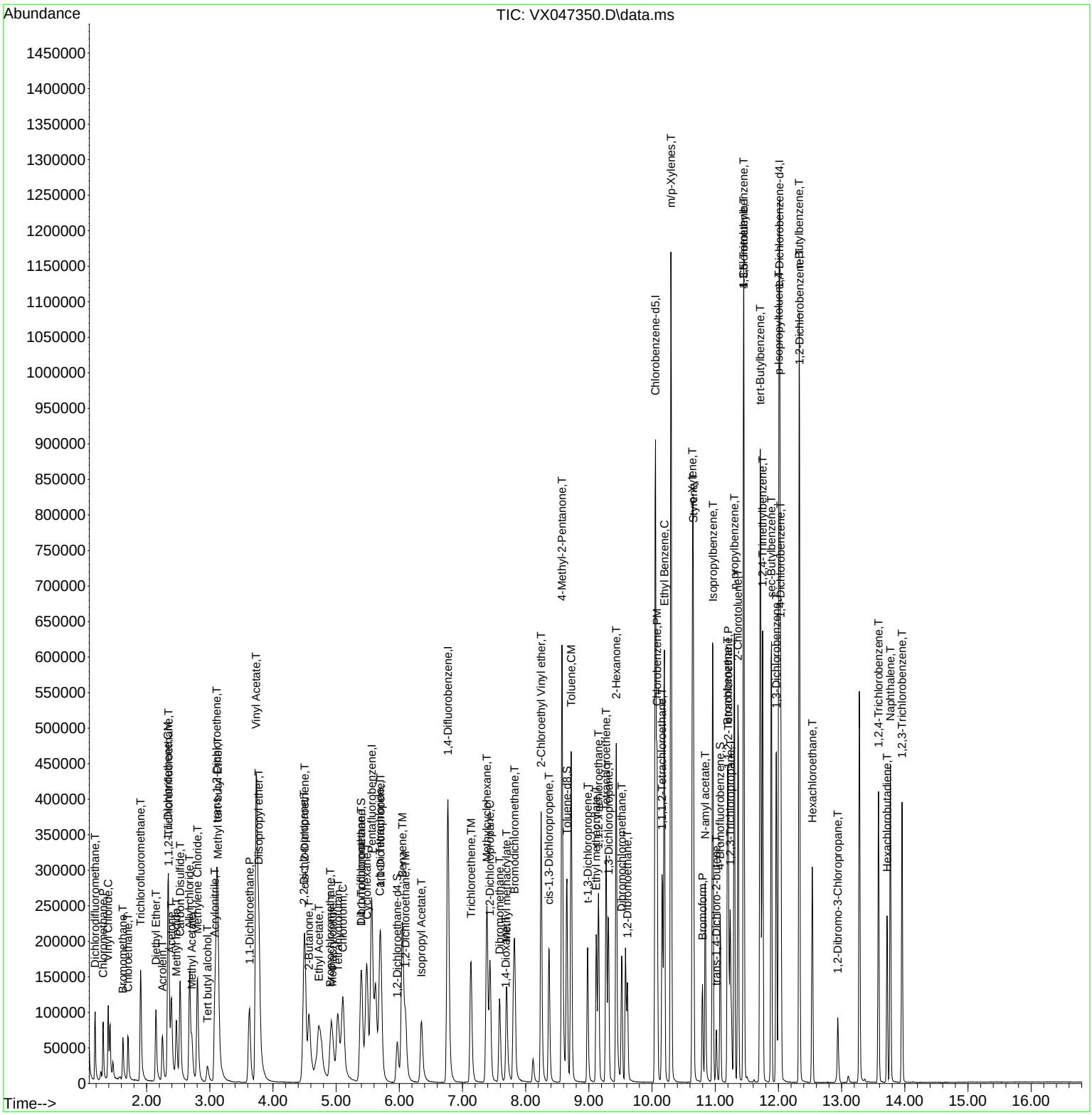
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047350.D
Acq On : 15 Aug 2025 10:01
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 18 02:53:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047351.D
Acq On : 15 Aug 2025 10:22
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:53:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	238847	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	405572	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	363128	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	177366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	167238	50.030	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.060%			
35) Dibromofluoromethane	5.397	113	134437	51.074	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.140%			
50) Toluene-d8	8.653	98	475041	50.492	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.980%			
62) 4-Bromofluorobenzene	11.079	95	173764	50.050	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	174629	57.354	ug/l	100
3) Chloromethane	1.313	50	148962	54.385	ug/l	100
4) Vinyl Chloride	1.392	62	191163	55.604	ug/l	100
5) Bromomethane	1.630	94	80221	57.770	ug/l	100
6) Chloroethane	1.709	64	110475	52.521	ug/l	100
7) Trichlorofluoromethane	1.904	101	283655	55.781	ug/l	100
8) Diethyl Ether	2.148	74	99184	55.393	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.349	101	166491	56.441	ug/l	100
10) Methyl Iodide	2.471	142	277741	54.943	ug/l	100
11) Tert butyl alcohol	2.959	59	81382	279.856	ug/l	100
12) 1,1-Dichloroethene	2.337	96	166359	55.319	ug/l	100
13) Acrolein	2.251	56	157735	256.954	ug/l	100
14) Allyl chloride	2.678	41	289338	55.394	ug/l	100
15) Acrylonitrile	3.081	53	405784	288.775	ug/l	100
16) Acetone	2.392	43	334538	266.252	ug/l	100
17) Carbon Disulfide	2.532	76	476020	52.455	ug/l	100
18) Methyl Acetate	2.715	43	183721	56.425	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	519477	56.782	ug/l	100
20) Methylene Chloride	2.806	84	180921	54.377	ug/l	100
21) trans-1,2-Dichloroethene	3.105	96	173226	54.272	ug/l	100
22) Diisopropyl ether	3.776	45	587571	56.909	ug/l	100
23) Vinyl Acetate	3.733	43	2436350	287.897	ug/l	100
24) 1,1-Dichloroethane	3.623	63	323982	55.516	ug/l	100
25) 2-Butanone	4.568	43	464136	282.051	ug/l	100
26) 2,2-Dichloropropane	4.495	77	242859	55.137	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	202109	54.366	ug/l	100
28) Bromochloromethane	4.910	49	129079	53.153	ug/l	100
29) Tetrahydrofuran	5.025	42	293474	275.925	ug/l	100
30) Chloroform	5.105	83	326781	54.867	ug/l	100
31) Cyclohexane	5.483	56	288914	53.705	ug/l	100
32) 1,1,1-Trichloroethane	5.397	97	285500	55.692	ug/l	100
36) 1,1-Dichloropropene	5.708	75	228086	54.893	ug/l	100
37) Ethyl Acetate	4.721	43	239310	55.477	ug/l	100
38) Carbon Tetrachloride	5.690	117	246368	54.258	ug/l	100
39) Methylcyclohexane	7.391	83	281960	54.402	ug/l	100
40) Benzene	6.050	78	689965	55.477	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047351.D
Acq On : 15 Aug 2025 10:22
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:53:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	104680	57.547	ug/l	100
42) 1,2-Dichloroethane	6.098	62	243489	55.271	ug/l	100
43) Isopropyl Acetate	6.348	43	352090	56.817	ug/l	100
44) Trichloroethene	7.135	130	175409	55.081	ug/l	100
45) 1,2-Dichloropropane	7.433	63	170556	54.740	ug/l	100
46) Dibromomethane	7.586	93	122428	54.124	ug/l	100
47) Bromodichloromethane	7.824	83	257393	54.888	ug/l	100
48) Methyl methacrylate	7.696	41	180568	56.136	ug/l	100
49) 1,4-Dioxane	7.677	88	36298	1188.274	ug/l	100
51) 4-Methyl-2-Pentanone	8.573	43	1031709	289.311	ug/l	100
52) Toluene	8.720	92	428577	55.767	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	237021	57.913	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	260352	56.202	ug/l	100
55) 1,1,2-Trichloroethane	9.153	97	160439	54.984	ug/l	100
56) Ethyl methacrylate	9.116	69	250221	58.164	ug/l	100
57) 1,3-Dichloropropane	9.311	76	271755	54.656	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	555513	269.738	ug/l	100
59) 2-Hexanone	9.433	43	703268	285.099	ug/l	100
60) Dibromochloromethane	9.518	129	188384	54.326	ug/l	100
61) 1,2-Dibromoethane	9.610	107	165776	55.095	ug/l	100
64) Tetrachloroethene	9.275	164	144361	54.962	ug/l	100
65) Chlorobenzene	10.079	112	467009	54.119	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	160305	54.954	ug/l	100
67) Ethyl Benzene	10.195	91	826783	55.667	ug/l	100
68) m/p-Xylenes	10.299	106	622895	112.475	ug/l	100
69) o-Xylene	10.640	106	295290	55.407	ug/l	100
70) Styrene	10.652	104	512239	56.883	ug/l	100
71) Bromoform	10.799	173	121692	55.530	ug/l	100
73) Isopropylbenzene	10.963	105	780181	56.210	ug/l	100
74) N-amyl acetate	10.841	43	306720	58.194	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	225063	55.228	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	179785m	55.266	ug/l	
77) Bromobenzene	11.195	156	186832	55.124	ug/l	100
78) n-propylbenzene	11.299	91	918573	55.413	ug/l	100
79) 2-Chlorotoluene	11.360	91	549070	54.793	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	636323	55.720	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	35295	47.608	ug/l	100
82) 4-Chlorotoluene	11.451	91	643830	54.505	ug/l	100
83) tert-Butylbenzene	11.713	119	641951	56.344	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	646548	56.614	ug/l	100
85) sec-Butylbenzene	11.890	105	783341	55.470	ug/l	100
86) p-Isopropyltoluene	12.006	119	660872	55.303	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	351718	54.320	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	352196	52.886	ug/l	100
89) n-Butylbenzene	12.329	91	610840	54.957	ug/l	100
90) Hexachloroethane	12.536	117	115780	55.228	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	330287	53.742	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	43861	55.654	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	218820	53.111	ug/l	100
94) Hexachlorobutadiene	13.725	225	71744	48.921	ug/l	100
95) Naphthalene	13.774	128	670303	56.930	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	208179	53.605	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047351.D
Acq On : 15 Aug 2025 10:22
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:53:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

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

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

ICAL Form

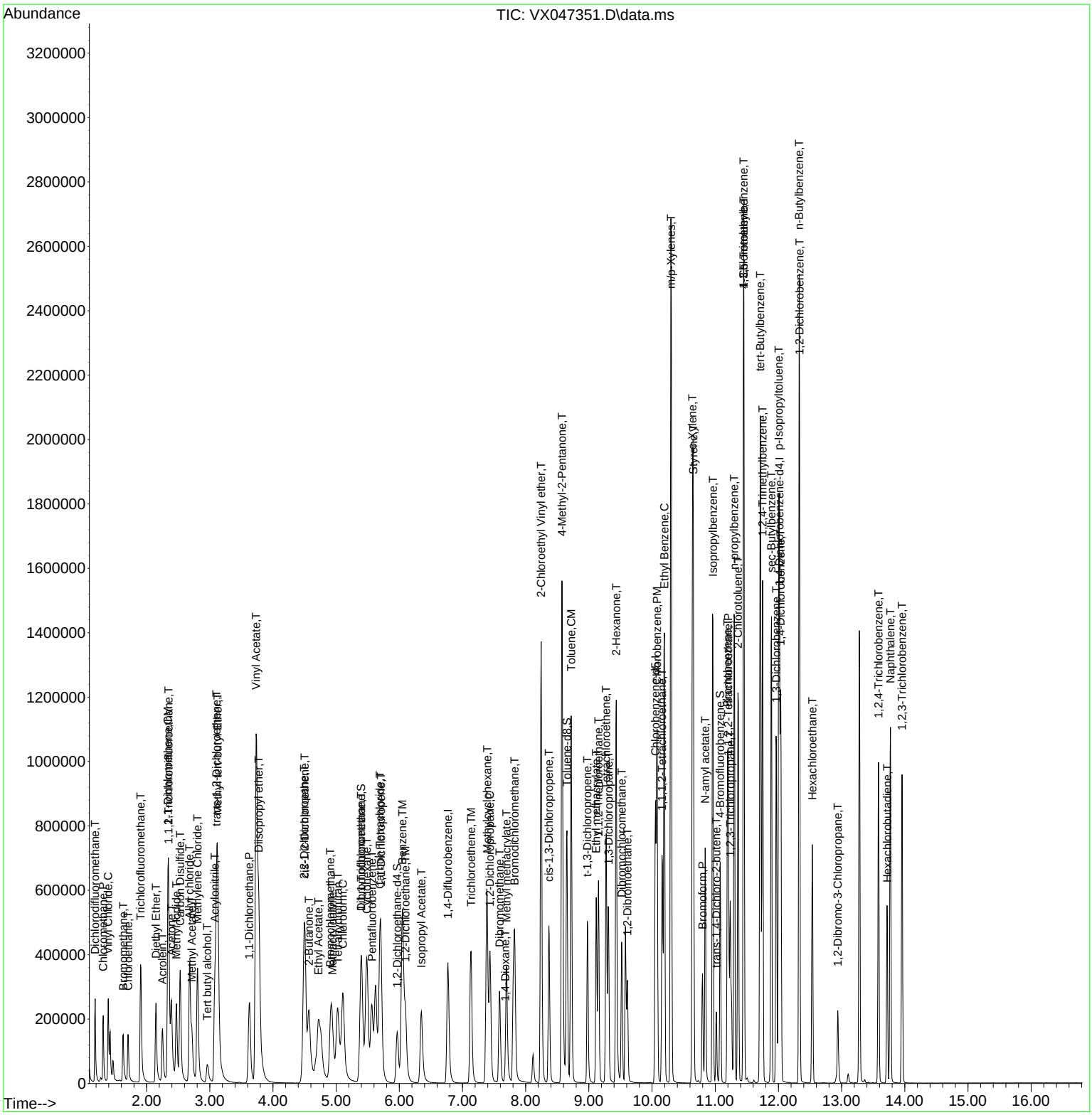
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047351.D
Acq On : 15 Aug 2025 10:22
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 18 02:53:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047352.D
Acq On : 15 Aug 2025 10:43
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:54:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	230991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	391443	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	345492	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	163776	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	345087	106.746	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117			Recovery = 213.500%#		
35) Dibromofluoromethane	5.397	113	276832	108.967	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124			Recovery = 217.940%#		
50) Toluene-d8	8.653	98	975414	107.419	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112			Recovery = 214.840%#		
62) 4-Bromofluorobenzene	11.079	95	353668	105.546	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123			Recovery = 211.100%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	309782	105.204	ug/l	99
3) Chloromethane	1.313	50	261885	98.864	ug/l	96
4) Vinyl Chloride	1.392	62	336909	101.331	ug/l	97
5) Bromomethane	1.624	94	142644	106.217	ug/l	96
6) Chloroethane	1.703	64	189413	93.112	ug/l	98
7) Trichlorofluoromethane	1.904	101	489572	99.548	ug/l	99
8) Diethyl Ether	2.148	74	171145	98.832	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.349	101	288420	101.101	ug/l	99
10) Methyl Iodide	2.471	142	545687	111.619	ug/l	98
11) Tert butyl alcohol	2.971	59	143673	510.865	ug/l	99
12) 1,1-Dichloroethene	2.337	96	293450	100.899	ug/l	99
13) Acrolein	2.252	56	294322	495.763	ug/l	100
14) Allyl chloride	2.678	41	512225	101.402	ug/l	99
15) Acrylonitrile	3.081	53	691797	509.058	ug/l	100
16) Acetone	2.392	43	554774	456.549	ug/l	98
17) Carbon Disulfide	2.532	76	840388	95.757	ug/l	100
18) Methyl Acetate	2.715	43	318444	101.128	ug/l	100
19) Methyl tert-butyl Ether	3.129	73	906301	102.433	ug/l	98
20) Methylene Chloride	2.806	84	309183	96.088	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	302669	98.051	ug/l	99
22) Diisopropyl ether	3.776	45	1007141	100.865	ug/l	99
23) Vinyl Acetate	3.733	43	4206762	514.008	ug/l	99
24) 1,1-Dichloroethane	3.623	63	558936	99.034	ug/l	99
25) 2-Butanone	4.568	43	789816	496.288	ug/l	98
26) 2,2-Dichloropropane	4.489	77	434139	101.916	ug/l	100
27) cis-1,2-Dichloroethene	4.507	96	355238	98.806	ug/l	99
28) Bromochloromethane	4.910	49	258648	110.131	ug/l	99
29) Tetrahydrofuran	5.019	42	505709	491.640	ug/l	98
30) Chloroform	5.105	83	560984	97.394	ug/l	100
31) Cyclohexane	5.489	56	499975	96.100	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	499294	100.709	ug/l	99
36) 1,1-Dichloropropene	5.702	75	398144	99.278	ug/l	100
37) Ethyl Acetate	4.727	43	413279	99.265	ug/l	99
38) Carbon Tetrachloride	5.690	117	430061	98.132	ug/l	99
39) Methylcyclohexane	7.385	83	500907	100.134	ug/l	97
40) Benzene	6.050	78	1186760	98.866	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047352.D
Acq On : 15 Aug 2025 10:43
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 18 02:54:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.940	41	191678	109.177 ug/l	95
42) 1,2-Dichloroethane	6.098	62	416430	97.940 ug/l	99
43) Isopropyl Acetate	6.348	43	624423	104.400 ug/l	100
44) Trichloroethene	7.135	130	304976	99.224 ug/l	98
45) 1,2-Dichloropropane	7.434	63	298616	99.300 ug/l	97
46) Dibromomethane	7.586	93	214069	98.052 ug/l	99
47) Bromodichloromethane	7.824	83	452578	99.995 ug/l	100
48) Methyl methacrylate	7.696	41	322487	103.875 ug/l	99
49) 1,4-Dioxane	7.684	88	61142	2073.830 ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	1766006	513.097 ug/l	99
52) Toluene	8.720	92	733119	98.837 ug/l	100
53) t-1,3-Dichloropropene	8.982	75	423279	107.156 ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	463640	103.698 ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	275607	97.863 ug/l	98
56) Ethyl methacrylate	9.116	69	440765	106.154 ug/l	100
57) 1,3-Dichloropropane	9.311	76	469804	97.899 ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	1000312	496.016 ug/l	99
59) 2-Hexanone	9.433	43	1215128	510.384 ug/l	100
60) Dibromochloromethane	9.519	129	333420	99.621 ug/l	100
61) 1,2-Dibromoethane	9.610	107	285821	98.420 ug/l	98
64) Tetrachloroethene	9.275	164	248666	99.506 ug/l	98
65) Chlorobenzene	10.079	112	803672	97.887 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	278595	100.380 ug/l	99
67) Ethyl Benzene	10.195	91	1424862	100.832 ug/l	99
68) m/p-Xylenes	10.299	106	1056553	200.518 ug/l	99
69) o-Xylene	10.640	106	508020	100.188 ug/l	99
70) Styrene	10.652	104	878271	102.509 ug/l	100
71) Bromoform	10.799	173	211374	101.376 ug/l	99
73) Isopropylbenzene	10.963	105	1326045	103.466 ug/l	99
74) N-amyl acetate	10.841	43	543008	111.573 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	374215	99.448 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	301098m	100.238 ug/l	
77) Bromobenzene	11.195	156	320460	102.397 ug/l	99
78) n-propylbenzene	11.305	91	1577819	103.081 ug/l	100
79) 2-Chlorotoluene	11.360	91	926261	100.105 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	1084580	102.852 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	70384	93.696 ug/l	98
82) 4-Chlorotoluene	11.451	91	1080450	99.058 ug/l	99
83) tert-Butylbenzene	11.713	119	1092054	103.803 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	1086843	103.064 ug/l	99
85) sec-Butylbenzene	11.890	105	1343222	103.010 ug/l	99
86) p-Isopropyltoluene	12.006	119	1118938	101.405 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	593233	99.223 ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	585597	95.231 ug/l	99
89) n-Butylbenzene	12.329	91	1050897	102.394 ug/l	100
90) Hexachloroethane	12.536	117	202423	104.570 ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	558580	98.430 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	77939	107.101 ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	389962	102.504 ug/l	98
94) Hexachlorobutadiene	13.719	225	123286	91.042 ug/l	98
95) Naphthalene	13.774	128	1191910	109.632 ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	370778	103.395 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047352.D
Acq On : 15 Aug 2025 10:43
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:54:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

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

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

ICAL Form

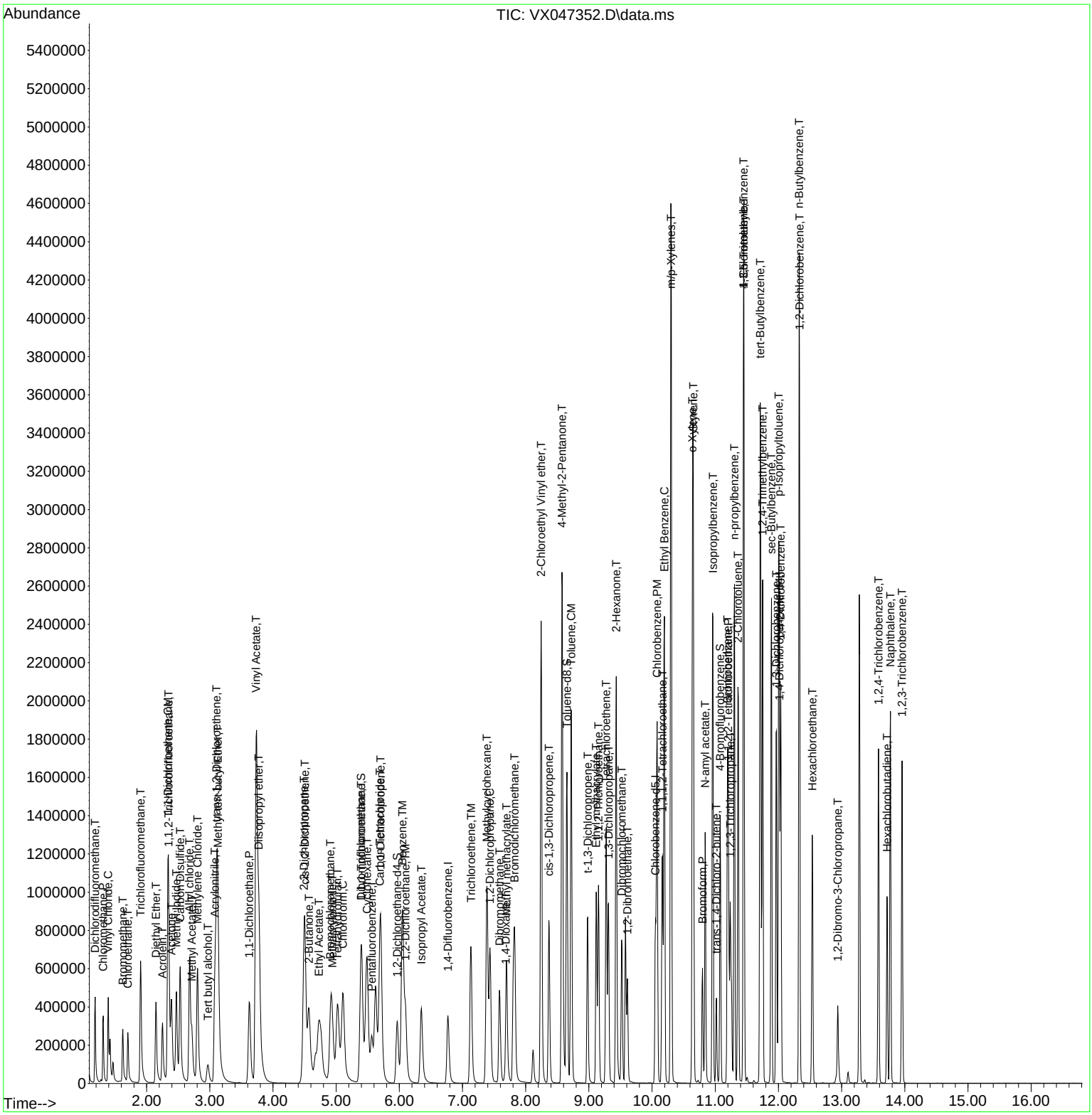
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047352.D
Acq On : 15 Aug 2025 10:43
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 18 02:54:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047353.D
Acq On : 15 Aug 2025 11:05
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:55:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	218039	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	378315	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	330090	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	153878	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	498398	163.328	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 326.660%#			
35) Dibromofluoromethane	5.397	113	396260	161.390	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 322.780%#			
50) Toluene-d8	8.653	98	1397755	159.272	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 318.540%#			
62) 4-Bromofluorobenzene	11.079	95	508844	157.125	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 314.240%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	445045	160.118	ug/l	98
3) Chloromethane	1.313	50	388526	155.385	ug/l	97
4) Vinyl Chloride	1.392	62	494933	157.702	ug/l	97
5) Bromomethane	1.618	94	170864	134.788	ug/l	100
6) Chloroethane	1.703	64	276042	143.758	ug/l	97
7) Trichlorofluoromethane	1.904	101	699331	150.647	ug/l	98
8) Diethyl Ether	2.148	74	251983	154.158	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.349	101	416485	154.664	ug/l	99
10) Methyl Iodide	2.471	142	794834	172.239	ug/l	98
11) Tert butyl alcohol	2.977	59	206679	778.553	ug/l	100
12) 1,1-Dichloroethene	2.337	96	425622	155.037	ug/l	99
13) Acrolein	2.252	56	429798	766.968	ug/l	100
14) Allyl chloride	2.678	41	735481	154.247	ug/l	99
15) Acrylonitrile	3.087	53	991254	772.742	ug/l	100
16) Acetone	2.392	43	784600	684.039	ug/l	99
17) Carbon Disulfide	2.532	76	1212975	146.420	ug/l	100
18) Methyl Acetate	2.715	43	476497	160.309	ug/l	99
19) Methyl tert-butyl Ether	3.130	73	1317168	157.713	ug/l	100
20) Methylene Chloride	2.806	84	447216	147.242	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	434634	149.166	ug/l	98
22) Diisopropyl ether	3.776	45	1429793	151.699	ug/l	99
23) Vinyl Acetate	3.733	43	6020474	779.316	ug/l	100
24) 1,1-Dichloroethane	3.623	63	809793	152.005	ug/l	99
25) 2-Butanone	4.568	43	1122803	747.433	ug/l	98
26) 2,2-Dichloropropane	4.495	77	627662	156.100	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	509580	150.154	ug/l	99
28) Bromochloromethane	4.916	49	343257	154.839	ug/l	100
29) Tetrahydrofuran	5.019	42	717541	739.017	ug/l	97
30) Chloroform	5.105	83	812939	149.521	ug/l	99
31) Cyclohexane	5.483	56	727704	148.180	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	723635	154.630	ug/l	99
36) 1,1-Dichloropropene	5.702	75	570157	147.104	ug/l	99
37) Ethyl Acetate	4.727	43	593362	147.465	ug/l	97
38) Carbon Tetrachloride	5.690	117	628733	148.444	ug/l	98
39) Methylcyclohexane	7.385	83	729123	150.814	ug/l	97
40) Benzene	6.050	78	1706889	147.130	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047353.D
Acq On : 15 Aug 2025 11:05
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 18 02:55:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.940	41	262323	154.600	ug/l		98
42) 1,2-Dichloroethane	6.098	62	599255	145.829	ug/l		100
43) Isopropyl Acetate	6.348	43	910348	157.486	ug/l		100
44) Trichloroethene	7.129	130	443361	149.252	ug/l		98
45) 1,2-Dichloropropane	7.434	63	433512	149.161	ug/l		99
46) Dibromomethane	7.586	93	312886	148.288	ug/l		99
47) Bromodichloromethane	7.824	83	650767	148.773	ug/l		99
48) Methyl methacrylate	7.696	41	473316	157.749	ug/l		99
49) 1,4-Dioxane	7.677	88	88481	3105.263	ug/l		97
51) 4-Methyl-2-Pentanone	8.580	43	2521407	757.992	ug/l		100
52) Toluene	8.720	92	1052008	146.750	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	624499	163.583	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	682860	158.029	ug/l		100
55) 1,1,2-Trichloroethane	9.153	97	394302	144.868	ug/l		97
56) Ethyl methacrylate	9.116	69	646154	161.020	ug/l		99
57) 1,3-Dichloropropane	9.311	76	672087	144.911	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.244	63	1468000	748.853	ug/l		99
59) 2-Hexanone	9.433	43	1737616	755.168	ug/l		100
60) Dibromochloromethane	9.525	129	476650	147.358	ug/l		99
61) 1,2-Dibromoethane	9.610	107	410057	146.099	ug/l		99
64) Tetrachloroethene	9.275	164	356989	149.518	ug/l		99
65) Chlorobenzene	10.079	112	1163848	148.370	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.165	131	405123	152.780	ug/l		100
67) Ethyl Benzene	10.195	91	2036272	150.823	ug/l		99
68) m/p-Xylenes	10.299	106	1502542	298.466	ug/l		99
69) o-Xylene	10.640	106	725154	149.683	ug/l		100
70) Styrene	10.653	104	1253652	153.150	ug/l		99
71) Bromoform	10.799	173	309626	155.427	ug/l	#	99
73) Isopropylbenzene	10.963	105	1883521	156.417	ug/l		99
74) N-amyl acetate	10.842	43	790124	172.791	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	531651	150.375	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	425332m	150.704	ug/l		
77) Bromobenzene	11.195	156	451000	153.378	ug/l		99
78) n-propylbenzene	11.305	91	2235938	155.473	ug/l		99
79) 2-Chlorotoluene	11.366	91	1306418	150.272	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	1536791	155.110	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	113338	154.967	ug/l		97
82) 4-Chlorotoluene	11.451	91	1541070	150.376	ug/l		100
83) tert-Butylbenzene	11.713	119	1542621	156.062	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	1535261	154.952	ug/l		99
85) sec-Butylbenzene	11.890	105	1912224	156.078	ug/l		100
86) p-Isopropyltoluene	12.006	119	1601345	154.459	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	841394	149.783	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	837395	144.939	ug/l		100
89) n-Butylbenzene	12.329	91	1489473	154.462	ug/l		100
90) Hexachloroethane	12.536	117	303295	166.757	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	798192	149.701	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	115101	168.342	ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	555658	155.453	ug/l		100
94) Hexachlorobutadiene	13.725	225	176870	139.013	ug/l		98
95) Naphthalene	13.774	128	1715681	167.959	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	535287	158.872	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047353.D
Acq On : 15 Aug 2025 11:05
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:55:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

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

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

ICAL Form

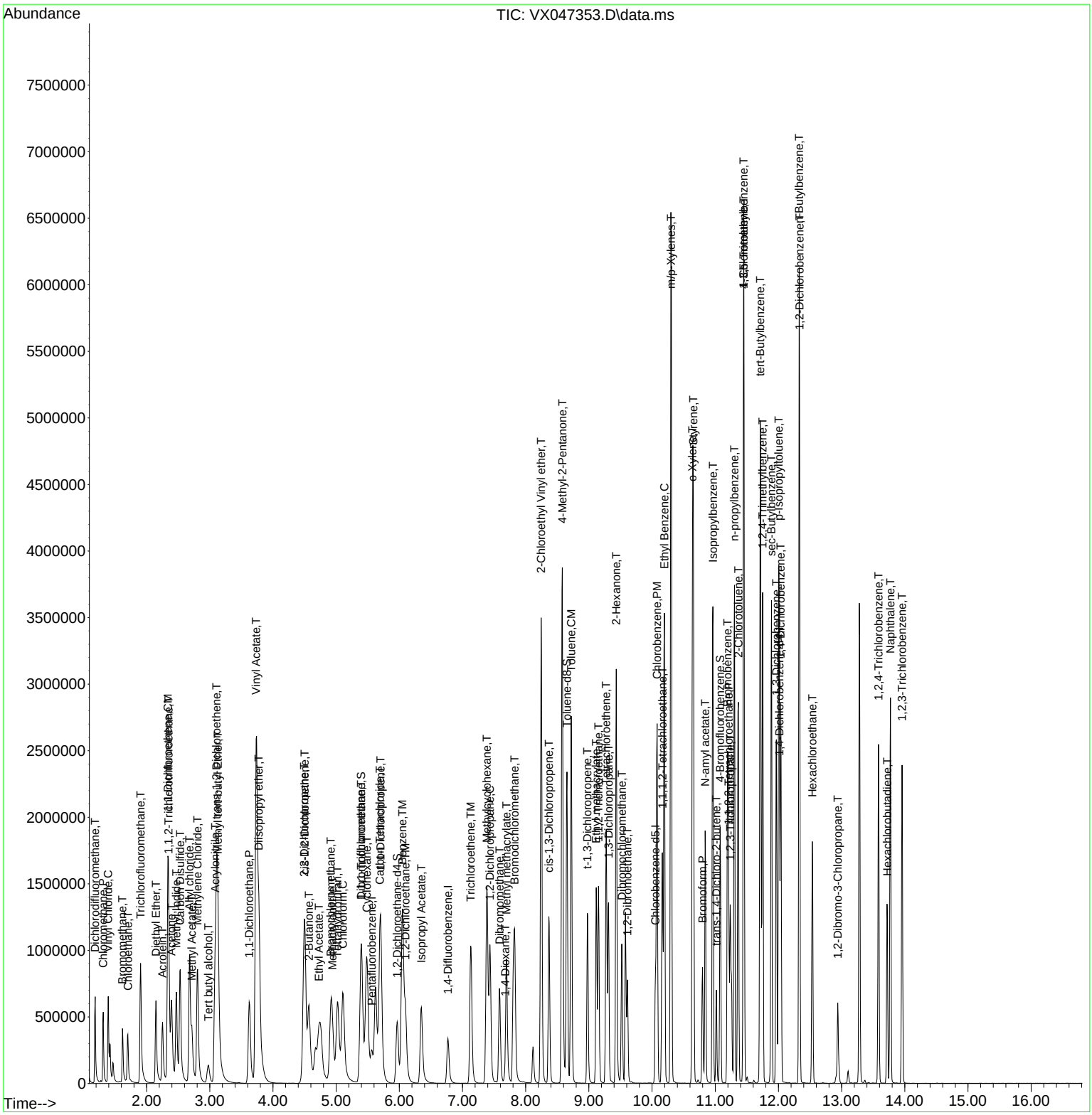
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047353.D
Acq On : 15 Aug 2025 11:05
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 18 02:55:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047356.D
Acq On : 15 Aug 2025 12:30
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:56:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	286149	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	494689	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	456440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	228745	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount 50.000	Range 78 - 117		Recovery =	0.000%#		
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#		
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount 50.000	Range 92 - 112		Recovery =	0.000%#		
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount 50.000	Range 83 - 123		Recovery =	0.000%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.184	85	3127	0.857	ug/l	94
3) Chloromethane	1.313	50	3143	0.958	ug/l	99
4) Vinyl Chloride	1.392	62	3606	0.876	ug/l #	68
6) Chloroethane	1.709	64	2950	1.171	ug/l	91
7) Trichlorofluoromethane	1.904	101	5369	0.881	ug/l	86
8) Diethyl Ether	2.148	74	1947	0.908	ug/l	77
9) 1,1,2-Trichlorotrifluo...	2.349	101	2830	0.801	ug/l #	90
12) 1,1-Dichloroethene	2.337	96	3176	0.882	ug/l #	84
14) Allyl chloride	2.684	41	5441m	0.869	ug/l	
15) Acrylonitrile	3.087	53	7106	4.221	ug/l	89
16) Acetone	2.392	43	7123	4.732	ug/l	91
17) Carbon Disulfide	2.532	76	11842	1.089	ug/l #	93
18) Methyl Acetate	2.721	43	3556	0.912	ug/l #	84
19) Methyl tert-butyl Ether	3.129	73	8892	0.811	ug/l	95
20) Methylene Chloride	2.812	84	3953	0.992	ug/l	88
21) trans-1,2-Dichloroethene	3.111	96	3552	0.929	ug/l #	87
22) Diisopropyl ether	3.782	45	9930	0.803	ug/l	96
23) Vinyl Acetate	3.751	43	40393	3.984	ug/l #	90
24) 1,1-Dichloroethane	3.629	63	6019	0.861	ug/l #	85
25) 2-Butanone	4.605	43	8214	4.166	ug/l #	87
26) 2,2-Dichloropropane	4.489	77	4442	0.842	ug/l	80
27) cis-1,2-Dichloroethene	4.513	96	3960	0.889	ug/l	88
28) Bromochloromethane	4.934	49	2750	0.945	ug/l #	89
29) Tetrahydrofuran	5.044	42	6273m	4.923	ug/l	
30) Chloroform	5.117	83	6246	0.875	ug/l	86
32) 1,1,1-Trichloroethane	5.415	97	4939	0.804	ug/l #	49
36) 1,1-Dichloropropene	5.708	75	4692	0.926	ug/l	94
37) Ethyl Acetate	4.757	43	4864m	0.924	ug/l	
38) Carbon Tetrachloride	5.696	117	5100	0.921	ug/l	92
39) Methylcyclohexane	7.391	83	5884	0.931	ug/l	88
40) Benzene	6.056	78	12977	0.855	ug/l	92
41) Methacrylonitrile	4.958	41	1736m	0.782	ug/l	
42) 1,2-Dichloroethane	6.123	62	4784	0.890	ug/l	88
43) Isopropyl Acetate	6.366	43	6382	0.844	ug/l #	81
44) Trichloroethene	7.141	130	3329	0.857	ug/l	87
45) 1,2-Dichloropropane	7.446	63	3532	0.929	ug/l #	88

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047356.D
Acq On : 15 Aug 2025 12:30
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:56:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	7.592	93	2453	0.889	ug/l		94
47) Bromodichloromethane	7.830	83	5078	0.888	ug/l	#	98
48) Methyl methacrylate	7.720	41	3480m	0.887	ug/l		
49) 1,4-Dioxane	7.708	88	559m	15.003	ug/l		
51) 4-Methyl-2-Pentanone	8.586	43	17109	3.933	ug/l		96
52) Toluene	8.726	92	7930	0.846	ug/l		99
53) t-1,3-Dichloropropene	8.988	75	3671	0.735	ug/l		91
54) cis-1,3-Dichloropropene	8.378	75	4466	0.790	ug/l		94
55) 1,1,2-Trichloroethane	9.159	97	3095	0.870	ug/l		97
56) Ethyl methacrylate	9.128	69	4003	0.763	ug/l		94
57) 1,3-Dichloropropane	9.311	76	5471	0.902	ug/l		94
58) 2-Chloroethyl Vinyl ether	8.256	63	5074	10.313	ug/l		95
59) 2-Hexanone	9.439	43	11811	3.926	ug/l		92
60) Dibromochloromethane	9.524	129	3776	0.893	ug/l		87
61) 1,2-Dibromoethane	9.616	107	3325	0.906	ug/l		94
64) Tetrachloroethene	9.274	164	2888	0.875	ug/l		94
65) Chlorobenzene	10.079	112	9799	0.903	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.165	131	3146	0.858	ug/l	#	65
67) Ethyl Benzene	10.195	91	15680	0.840	ug/l		90
68) m/p-Xylenes	10.305	106	11714	1.683	ug/l		98
69) o-Xylene	10.640	106	5943	0.887	ug/l		93
70) Styrene	10.664	104	8294	0.733	ug/l		91
71) Bromoform	10.805	173	2201	0.799	ug/l	#	94
73) Isopropylbenzene	10.963	105	14688	0.821	ug/l		94
74) N-amyl acetate	10.853	43	4792	0.705	ug/l	#	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	4778	0.909	ug/l		97
76) 1,2,3-Trichloropropane	11.244	75	3744m	0.892	ug/l		
77) Bromobenzene	11.201	156	3648	0.835	ug/l		92
78) n-propylbenzene	11.305	91	17866	0.836	ug/l		100
79) 2-Chlorotoluene	11.366	91	11644	0.901	ug/l		93
80) 1,3,5-Trimethylbenzene	11.451	105	12427	0.844	ug/l		99
82) 4-Chlorotoluene	11.457	91	13922	0.914	ug/l		97
83) tert-Butylbenzene	11.713	119	12162	0.828	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	11509	0.781	ug/l		99
85) sec-Butylbenzene	11.890	105	14973	0.822	ug/l		97
86) p-Isopropyltoluene	12.012	119	13546	0.879	ug/l		95
87) 1,3-Dichlorobenzene	11.975	146	7821	0.937	ug/l		97
88) 1,4-Dichlorobenzene	12.042	146	8856m	1.031	ug/l		
89) n-Butylbenzene	12.335	91	12883	0.899	ug/l		97
90) Hexachloroethane	12.536	117	2421	0.895	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	7461	0.941	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	876	0.862	ug/l		96
93) 1,2,4-Trichlorobenzene	13.591	180	5232	0.985	ug/l		99
94) Hexachlorobutadiene	13.725	225	2573	1.360	ug/l		95
95) Naphthalene	13.780	128	12231	0.805	ug/l		97
96) 1,2,3-Trichlorobenzene	13.957	180	4918	0.982	ug/l		99

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

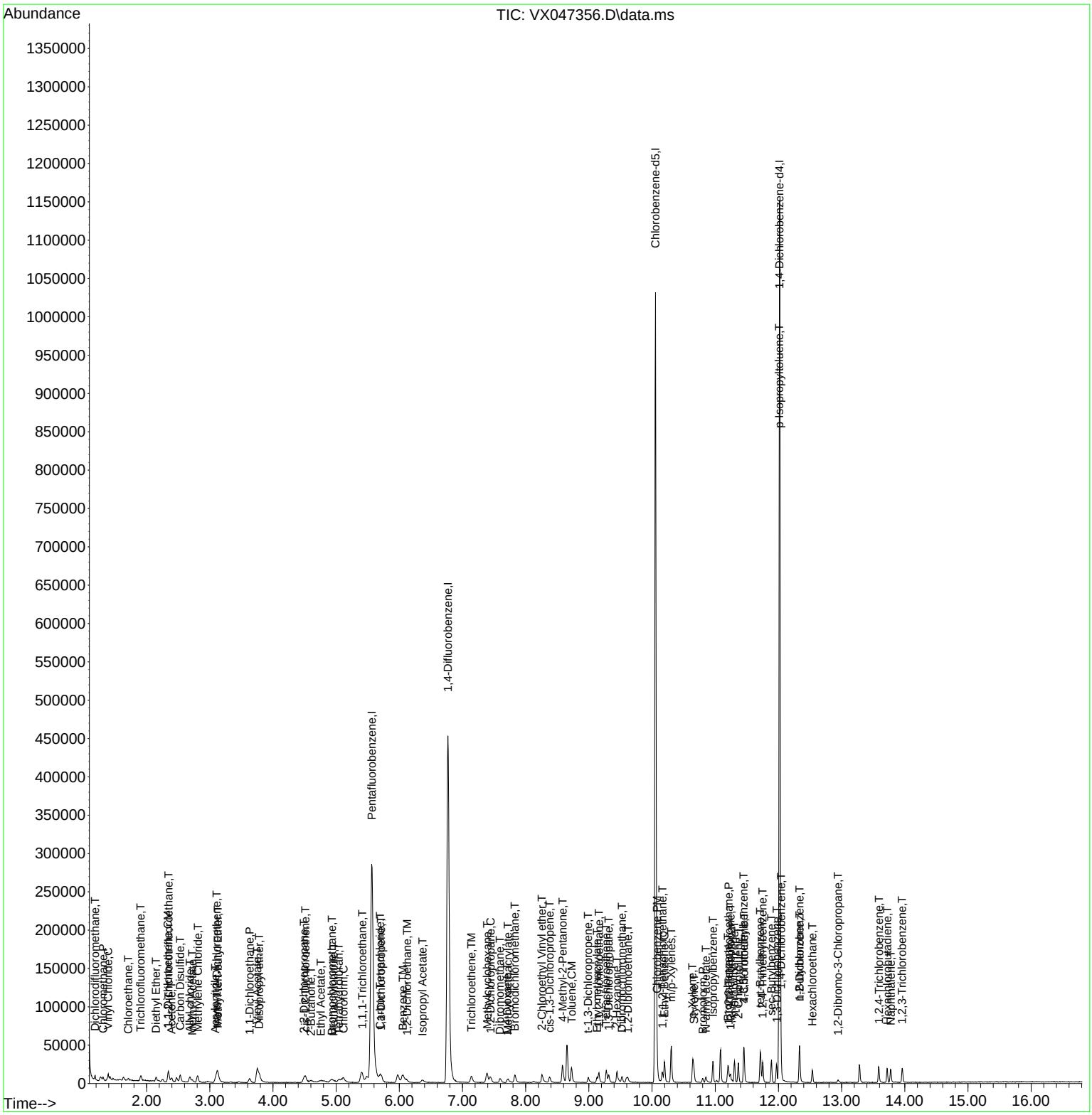
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047356.D
Acq On : 15 Aug 2025 12:30
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 18 02:56:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047357.D
Acq On : 15 Aug 2025 13:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081525

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 04:22:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	250887	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	427543	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	379004	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	185789	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	192241	54.750	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.500%			
35) Dibromofluoromethane	5.391	113	153967	55.488	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.980%			
50) Toluene-d8	8.647	98	540007	54.448	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 108.900%			
62) 4-Bromofluorobenzene	11.079	95	200280	54.723	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	166246	51.981	ug/l	99
3) Chloromethane	1.313	50	143779	49.973	ug/l	96
4) Vinyl Chloride	1.392	62	183527	50.822	ug/l	97
5) Bromomethane	1.630	94	81779	56.066	ug/l	98
6) Chloroethane	1.703	64	109193	49.421	ug/l	99
7) Trichlorofluoromethane	1.904	101	266531	49.898	ug/l	99
8) Diethyl Ether	2.148	74	94290	50.132	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.343	101	155403	50.154	ug/l	99
10) Methyl Iodide	2.465	142	238348	44.887	ug/l	99
11) Tert butyl alcohol	2.959	59	70101	229.494	ug/l	97
12) 1,1-Dichloroethene	2.337	96	158941	50.316	ug/l	99
13) Acrolein	2.245	56	133586	207.171	ug/l	99
14) Allyl chloride	2.678	41	271599	49.503	ug/l	100
15) Acrylonitrile	3.075	53	369146	250.094	ug/l	99
16) Acetone	2.386	43	324930	246.195	ug/l	96
17) Carbon Disulfide	2.526	76	457873	48.034	ug/l	99
18) Methyl Acetate	2.715	43	163394	47.774	ug/l	97
19) Methyl tert-butyl Ether	3.123	73	481187	50.072	ug/l	98
20) Methylene Chloride	2.800	84	173780	49.724	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	165465	49.352	ug/l	97
22) Diisopropyl ether	3.769	45	556979	51.358	ug/l	99
23) Vinyl Acetate	3.727	43	2264555	254.755	ug/l	99
24) 1,1-Dichloroethane	3.617	63	303962	49.586	ug/l	98
25) 2-Butanone	4.562	43	422081	244.186	ug/l	100
26) 2,2-Dichloropropane	4.483	77	232204	50.188	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	193324	49.507	ug/l	98
28) Bromochloromethane	4.903	49	145787	57.153	ug/l	100
29) Tetrahydrofuran	5.019	42	268867	240.659	ug/l	99
30) Chloroform	5.099	83	306888	49.055	ug/l	98
31) Cyclohexane	5.477	56	265960	47.066	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	263954	49.018	ug/l	99
36) 1,1-Dichloropropene	5.702	75	208616	47.627	ug/l	99
37) Ethyl Acetate	4.721	43	214695	47.213	ug/l	99
38) Carbon Tetrachloride	5.684	117	226854	47.393	ug/l	100
39) Methylcyclohexane	7.379	83	257199	47.074	ug/l	96
40) Benzene	6.043	78	638127	48.672	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047357.D
Acq On : 15 Aug 2025 13:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081525

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 04:22:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.934	41	93517	48.768	ug/l		97
42) 1,2-Dichloroethane	6.086	62	226201	48.708	ug/l		99
43) Isopropyl Acetate	6.342	43	318400	48.740	ug/l		100
44) Trichloroethene	7.129	130	161053	47.974	ug/l		98
45) 1,2-Dichloropropane	7.427	63	160155	48.760	ug/l		98
46) Dibromomethane	7.580	93	115651	48.500	ug/l		98
47) Bromodichloromethane	7.824	83	237881	48.121	ug/l		100
48) Methyl methacrylate	7.690	41	164810	48.604	ug/l		99
49) 1,4-Dioxane	7.677	88	29362m	890.740	ug/l		
51) 4-Methyl-2-Pentanone	8.574	43	916499	243.797	ug/l		99
52) Toluene	8.720	92	394588	48.706	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	218807	50.716	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	243957	49.956	ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	148831	48.385	ug/l		98
56) Ethyl methacrylate	9.116	69	227388	50.140	ug/l		100
57) 1,3-Dichloropropane	9.305	76	253108	48.290	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	480379	222.770	ug/l		98
59) 2-Hexanone	9.427	43	630542	242.481	ug/l		99
60) Dibromochloromethane	9.518	129	175911	48.122	ug/l		99
61) 1,2-Dibromoethane	9.610	107	152160	47.971	ug/l		99
64) Tetrachloroethene	9.275	164	131233	47.871	ug/l		98
65) Chlorobenzene	10.079	112	429835	47.724	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	146443	48.099	ug/l		99
67) Ethyl Benzene	10.189	91	756938	48.829	ug/l		99
68) m/p-Xylenes	10.299	106	570536	98.705	ug/l		99
69) o-Xylene	10.640	106	273804	49.223	ug/l		99
70) Styrene	10.652	104	471591	50.176	ug/l		100
71) Bromoform	10.799	173	110810	48.446	ug/l	#	99
73) Isopropylbenzene	10.957	105	718690	49.432	ug/l		100
74) N-amyl acetate	10.841	43	277245	50.217	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	205267	48.087	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	163259m	47.911	ug/l		
77) Bromobenzene	11.195	156	172064	48.465	ug/l		99
78) n-propylbenzene	11.299	91	856923	49.351	ug/l		99
79) 2-Chlorotoluene	11.360	91	506366	48.241	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	586315	49.013	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	32392	42.686	ug/l		99
82) 4-Chlorotoluene	11.451	91	592542	47.889	ug/l		99
83) tert-Butylbenzene	11.713	119	594831	49.841	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	595697	49.796	ug/l		99
85) sec-Butylbenzene	11.890	105	732328	49.507	ug/l		100
86) p-Isopropyltoluene	12.006	119	617508	49.332	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	325055	47.926	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	326132	46.752	ug/l		100
89) n-Butylbenzene	12.329	91	576963	49.556	ug/l		99
90) Hexachloroethane	12.536	117	107051	48.749	ug/l		99
91) 1,2-Dichlorobenzene	12.329	146	304391	47.283	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	38911	47.135	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	206837	47.926	ug/l		98
94) Hexachlorobutadiene	13.725	225	66005	42.967	ug/l		98
95) Naphthalene	13.774	128	604650	49.026	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	194540	47.822	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047357.D
Acq On : 15 Aug 2025 13:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081525

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 04:22:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

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

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

ICAL Form

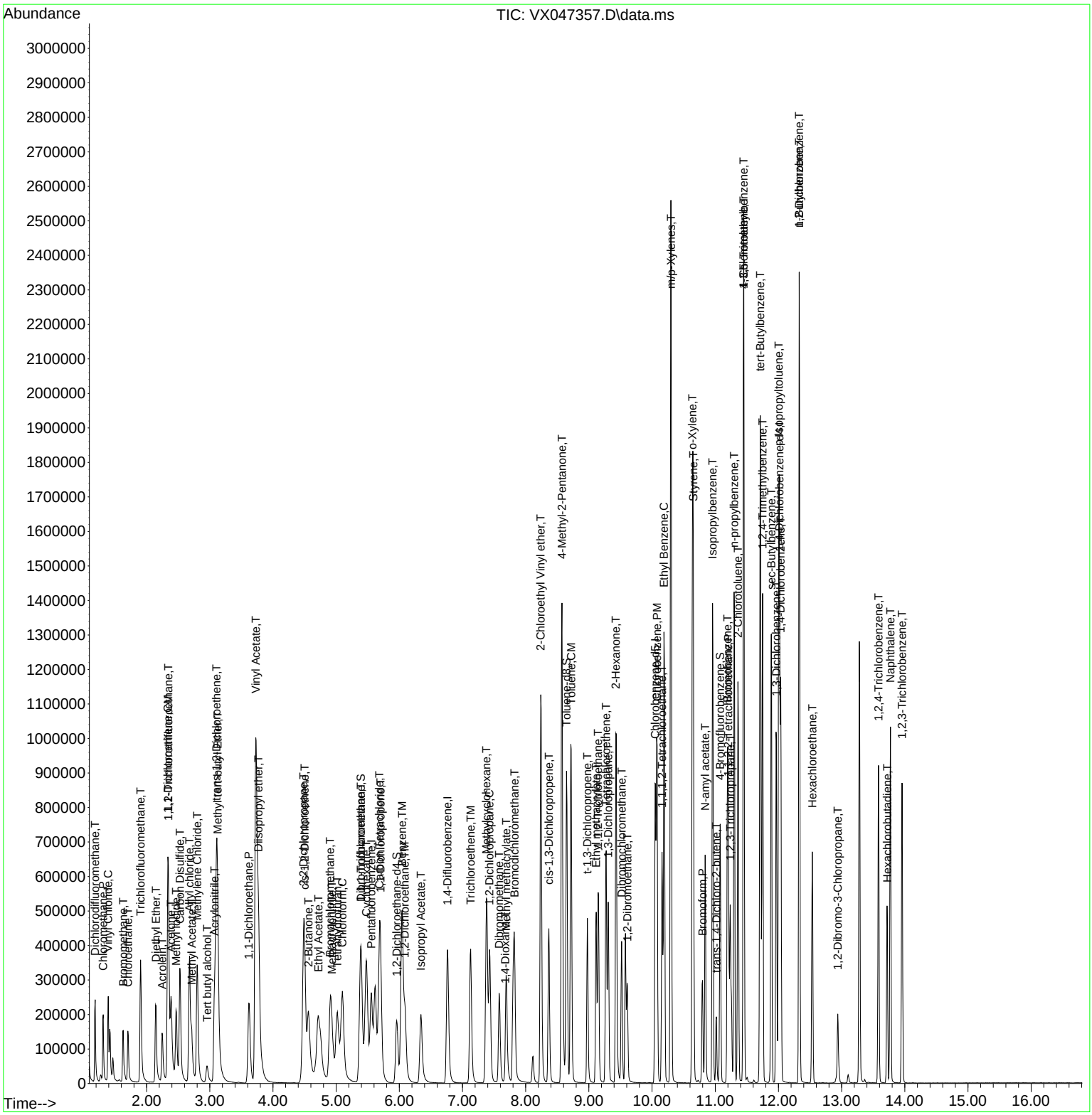
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047357.D
Acq On : 15 Aug 2025 13:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 18 04:22:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081525

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047357.D
Acq On : 15 Aug 2025 13:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081525

Quant Time: Aug 18 04:22:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	105	-0.01
2	T	Dichlorodifluoromethane	0.637	0.663	-4.1	95	0.00
3	P	Chloromethane	0.573	0.573	0.0	97	0.00
4	C	Vinyl Chloride	0.720	0.732	-1.7#	96	0.00
5	T	Bromomethane	0.291	0.326	-12.0	102	0.00
6	T	Chloroethane	0.440	0.435	1.1	99	0.00
7	T	Trichlorofluoromethane	1.065	1.062	0.3	94	0.00
8	T	Diethyl Ether	0.375	0.376	-0.3	95	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.618	0.619	-0.2	93	0.00
10	T	Methyl Iodide	1.058	0.950	10.2	86	0.00
11	T	Tert butyl alcohol	0.061	0.056	8.2	86	0.00
12	CM	1,1-Dichloroethene	0.630	0.634	-0.6#	96	0.00
13	T	Acrolein	0.129	0.106	17.8	85	0.00
14	T	Allyl chloride	1.093	1.083	0.9	94	0.00
15	T	Acrylonitrile	0.294	0.294	0.0	91	0.00
16	T	Acetone	0.263	0.259	1.5	97	0.00
17	T	Carbon Disulfide	1.900	1.825	3.9	96	0.00
18	T	Methyl Acetate	0.682	0.651	4.5	89	0.00
19	T	Methyl tert-butyl Ether	1.915	1.918	-0.2	93	0.00
20	T	Methylene Chloride	0.697	0.693	0.6	96	0.00
21	T	trans-1,2-Dichloroethene	0.668	0.660	1.2	96	0.00
22	T	Diisopropyl ether	2.161	2.220	-2.7	95	0.00
23	T	Vinyl Acetate	1.772	1.805	-1.9	93	0.00
24	P	1,1-Dichloroethane	1.222	1.212	0.8	94	0.00
25	T	2-Butanone	0.344	0.336	2.3	91	0.00
26	T	2,2-Dichloropropane	0.922	0.926	-0.4	96	-0.01
27	T	cis-1,2-Dichloroethene	0.778	0.771	0.9	96	0.00
28	T	Bromochloromethane	0.508	0.581	-14.4	113	0.00
29	T	Tetrahydrofuran	0.223	0.214	4.0	92	0.00
30	C	Chloroform	1.247	1.223	1.9#	94	0.00
31	T	Cyclohexane	1.126	1.060	5.9	92	0.00
32	T	1,1,1-Trichloroethane	1.073	1.052	2.0	92	0.00
33	S	1,2-Dichloroethane-d4	0.700	0.766	-9.4	115	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35	S	Dibromofluoromethane	0.325	0.360	-10.8	115	0.00
36	T	1,1-Dichloropropene	0.512	0.488	4.7	91	0.00
37	T	Ethyl Acetate	0.532	0.502	5.6	90	0.00
38	T	Carbon Tetrachloride	0.560	0.531	5.2	92	0.00
39	T	Methylcyclohexane	0.639	0.602	5.8	91	-0.01
40	TM	Benzene	1.533	1.493	2.6	92	0.00
41	T	Methacrylonitrile	0.224	0.219	2.2	89	0.00
42	TM	1,2-Dichloroethane	0.543	0.529	2.6	93	-0.01
43	T	Isopropyl Acetate	0.764	0.745	2.5	90	0.00
44	TM	Trichloroethene	0.393	0.377	4.1	92	0.00
45	C	1,2-Dichloropropane	0.384	0.375	2.3#	94	0.00
46	T	Dibromomethane	0.279	0.271	2.9	94	0.00
47	T	Bromodichloromethane	0.578	0.556	3.8	92	0.00
48	T	Methyl methacrylate	0.397	0.385	3.0	91	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047357.D
Acq On : 15 Aug 2025 13:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081525

Quant Time: Aug 18 04:22:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.004	0.003	25.0	81	0.00
50	S	Toluene-d8	1.160	1.263	-8.9	114	0.00
51	T	4-Methyl-2-Pentanone	0.440	0.429	2.5	89	0.00
52	CM	Toluene	0.947	0.923	2.5#	92	0.00
53	T	t-1,3-Dichloropropene	0.505	0.512	-1.4	92	0.00
54	T	cis-1,3-Dichloropropene	0.571	0.571	0.0	94	0.00
55	T	1,1,2-Trichloroethane	0.360	0.348	3.3	93	0.00
56	T	Ethyl methacrylate	0.530	0.532	-0.4	91	0.00
57	T	1,3-Dichloropropane	0.613	0.592	3.4	93	0.00
58	T	2-Chloroethyl Vinyl ether	0.211	0.225	-6.6	86	0.00
59	T	2-Hexanone	0.304	0.295	3.0	90	0.00
60	T	Dibromochloromethane	0.428	0.411	4.0	93	0.00
61	T	1,2-Dibromoethane	0.371	0.356	4.0	92	0.00
62	S	4-Bromofluorobenzene	0.428	0.468	-9.3	115	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64	T	Tetrachloroethene	0.362	0.346	4.4	91	0.00
65	PM	Chlorobenzene	1.188	1.134	4.5	92	0.00
66	T	1,1,1,2-Tetrachloroethane	0.402	0.386	4.0	91	0.00
67	C	Ethyl Benzene	2.045	1.997	2.3#	92	0.00
68	T	m/p-Xylenes	0.763	0.753	1.3	92	0.00
69	T	o-Xylene	0.734	0.722	1.6	93	0.00
70	T	Styrene	1.240	1.244	-0.3	92	0.00
71	P	Bromoform	0.302	0.292	3.3	91	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
73	T	Isopropylbenzene	3.913	3.868	1.2	92	0.00
74	T	N-amyl acetate	1.486	1.492	-0.4	90	0.00
75	P	1,1,2,2-Tetrachloroethane	1.149	1.105	3.8	91	0.00
76	T	1,2,3-Trichloropropane	0.917	0.879	4.1	91	0.00
77	T	Bromobenzene	0.955	0.926	3.0	92	0.00
78	T	n-propylbenzene	4.673	4.612	1.3	93	0.00
79	T	2-Chlorotoluene	2.825	2.725	3.5	92	0.00
80	T	1,3,5-Trimethylbenzene	3.219	3.156	2.0	92	0.00
81	T	trans-1,4-Dichloro-2-butene	0.178	0.174	2.2	92	0.00
82	T	4-Chlorotoluene	3.330	3.189	4.2	92	0.00
83	T	tert-Butylbenzene	3.212	3.202	0.3	93	0.00
84	T	1,2,4-Trimethylbenzene	3.219	3.206	0.4	92	0.00
85	T	sec-Butylbenzene	3.981	3.942	1.0	93	0.00
86	T	p-Isopropyltoluene	3.369	3.324	1.3	93	0.00
87	T	1,3-Dichlorobenzene	1.825	1.750	4.1	92	0.00
88	T	1,4-Dichlorobenzene	1.877	1.755	6.5	93	0.00
89	T	n-Butylbenzene	3.133	3.105	0.9	94	0.00
90	T	Hexachloroethane	0.591	0.576	2.5	92	0.00
91	T	1,2-Dichlorobenzene	1.733	1.638	5.5	92	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.222	0.209	5.9	89	0.00
93	T	1,2,4-Trichlorobenzene	1.161	1.113	4.1	95	0.00
94	T	Hexachlorobutadiene	0.413	0.355	14.0	92	0.00
95	T	Naphthalene	3.319	3.254	2.0	90	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047357.D
Acq On : 15 Aug 2025 13:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081525

Quant Time: Aug 18 04:22:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.095	1.047	4.4	93	0.00

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047357.D
Acq On : 15 Aug 2025 13:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081525

Quant Time: Aug 18 04:22:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	105	-0.01
2	T	Dichlorodifluoromethane	50.000	51.981	-4.0	95	0.00
3	P	Chloromethane	50.000	49.973	0.1	97	0.00
4	C	Vinyl Chloride	50.000	50.822	-1.6#	96	0.00
5	T	Bromomethane	50.000	56.066	-12.1	102	0.00
6	T	Chloroethane	50.000	49.421	1.2	99	0.00
7	T	Trichlorofluoromethane	50.000	49.898	0.2	94	0.00
8	T	Diethyl Ether	50.000	50.132	-0.3	95	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.154	-0.3	93	0.00
10	T	Methyl Iodide	50.000	44.887	10.2	86	0.00
11	T	Tert butyl alcohol	250.000	229.494	8.2	86	0.00
12	CM	1,1-Dichloroethene	50.000	50.316	-0.6#	96	0.00
13	T	Acrolein	250.000	207.171	17.1	85	0.00
14	T	Allyl chloride	50.000	49.503	1.0	94	0.00
15	T	Acrylonitrile	250.000	250.094	-0.0	91	0.00
16	T	Acetone	250.000	246.195	1.5	97	0.00
17	T	Carbon Disulfide	50.000	48.034	3.9	96	0.00
18	T	Methyl Acetate	50.000	47.774	4.5	89	0.00
19	T	Methyl tert-butyl Ether	50.000	50.072	-0.1	93	0.00
20	T	Methylene Chloride	50.000	49.724	0.6	96	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.352	1.3	96	0.00
22	T	Diisopropyl ether	50.000	51.358	-2.7	95	0.00
23	T	Vinyl Acetate	250.000	254.755	-1.9	93	0.00
24	P	1,1-Dichloroethane	50.000	49.586	0.8	94	0.00
25	T	2-Butanone	250.000	244.186	2.3	91	0.00
26	T	2,2-Dichloropropane	50.000	50.188	-0.4	96	-0.01
27	T	cis-1,2-Dichloroethene	50.000	49.507	1.0	96	0.00
28	T	Bromochloromethane	50.000	57.153	-14.3	113	0.00
29	T	Tetrahydrofuran	250.000	240.659	3.7	92	0.00
30	C	Chloroform	50.000	49.055	1.9#	94	0.00
31	T	Cyclohexane	50.000	47.066	5.9	92	0.00
32	T	1,1,1-Trichloroethane	50.000	49.018	2.0	92	0.00
33	S	1,2-Dichloroethane-d4	50.000	54.750	-9.5	115	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35	S	Dibromofluoromethane	50.000	55.488	-11.0	115	0.00
36	T	1,1-Dichloropropene	50.000	47.627	4.7	91	0.00
37	T	Ethyl Acetate	50.000	47.213	5.6	90	0.00
38	T	Carbon Tetrachloride	50.000	47.393	5.2	92	0.00
39	T	Methylcyclohexane	50.000	47.074	5.9	91	-0.01
40	TM	Benzene	50.000	48.672	2.7	92	0.00
41	T	Methacrylonitrile	50.000	48.768	2.5	89	0.00
42	TM	1,2-Dichloroethane	50.000	48.708	2.6	93	-0.01
43	T	Isopropyl Acetate	50.000	48.740	2.5	90	0.00
44	TM	Trichloroethene	50.000	47.974	4.1	92	0.00
45	C	1,2-Dichloropropane	50.000	48.760	2.5#	94	0.00
46	T	Dibromomethane	50.000	48.500	3.0	94	0.00
47	T	Bromodichloromethane	50.000	48.121	3.8	92	0.00
48	T	Methyl methacrylate	50.000	48.604	2.8	91	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047357.D
Acq On : 15 Aug 2025 13:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081525

Quant Time: Aug 18 04:22:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	890.740	10.9	81	0.00
50	S	Toluene-d8	50.000	54.448	-8.9	114	0.00
51	T	4-Methyl-2-Pentanone	250.000	243.797	2.5	89	0.00
52	CM	Toluene	50.000	48.706	2.6#	92	0.00
53	T	t-1,3-Dichloropropene	50.000	50.716	-1.4	92	0.00
54	T	cis-1,3-Dichloropropene	50.000	49.956	0.1	94	0.00
55	T	1,1,2-Trichloroethane	50.000	48.385	3.2	93	0.00
56	T	Ethyl methacrylate	50.000	50.140	-0.3	91	0.00
57	T	1,3-Dichloropropane	50.000	48.290	3.4	93	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	222.770	10.9	86	0.00
59	T	2-Hexanone	250.000	242.481	3.0	90	0.00
60	T	Dibromochloromethane	50.000	48.122	3.8	93	0.00
61	T	1,2-Dibromoethane	50.000	47.971	4.1	92	0.00
62	S	4-Bromofluorobenzene	50.000	54.723	-9.4	115	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	104	0.00
64	T	Tetrachloroethene	50.000	47.871	4.3	91	0.00
65	PM	Chlorobenzene	50.000	47.724	4.6	92	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	48.099	3.8	91	0.00
67	C	Ethyl Benzene	50.000	48.829	2.3#	92	0.00
68	T	m/p-Xylenes	100.000	98.705	1.3	92	0.00
69	T	o-Xylene	50.000	49.223	1.6	93	0.00
70	T	Styrene	50.000	50.176	-0.4	92	0.00
71	P	Bromoform	50.000	48.446	3.1	91	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	105	0.00
73	T	Isopropylbenzene	50.000	49.432	1.1	92	0.00
74	T	N-amyl acetate	50.000	50.217	-0.4	90	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.087	3.8	91	0.00
76	T	1,2,3-Trichloropropane	50.000	47.911	4.2	91	0.00
77	T	Bromobenzene	50.000	48.465	3.1	92	0.00
78	T	n-propylbenzene	50.000	49.351	1.3	93	0.00
79	T	2-Chlorotoluene	50.000	48.241	3.5	92	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.013	2.0	92	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	42.686	14.6	92	0.00
82	T	4-Chlorotoluene	50.000	47.889	4.2	92	0.00
83	T	tert-Butylbenzene	50.000	49.841	0.3	93	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.796	0.4	92	0.00
85	T	sec-Butylbenzene	50.000	49.507	1.0	93	0.00
86	T	p-Isopropyltoluene	50.000	49.332	1.3	93	0.00
87	T	1,3-Dichlorobenzene	50.000	47.926	4.1	92	0.00
88	T	1,4-Dichlorobenzene	50.000	46.752	6.5	93	0.00
89	T	n-Butylbenzene	50.000	49.556	0.9	94	0.00
90	T	Hexachloroethane	50.000	48.749	2.5	92	0.00
91	T	1,2-Dichlorobenzene	50.000	47.283	5.4	92	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	47.135	5.7	89	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.926	4.1	95	0.00
94	T	Hexachlorobutadiene	50.000	42.967	14.1	92	0.00
95	T	Naphthalene	50.000	49.026	1.9	90	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047357.D
Acq On : 15 Aug 2025 13:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081525

Quant Time: Aug 18 04:22:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	47.822	4.4	93	0.00

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

Raw Data: **VX047427.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.: Q2900
Instrument ID: MSVOA_X
Calibration Date/Time: 08/20/2025 09:25
Lab File ID: VX047427.D
Init. Calib. Date(s): 08/15/2025 08/15/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:40 12:30
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.637	0.619		-2.83	20
Chloromethane	0.573	0.524	0.1	-8.55	20
Vinyl Chloride	0.720	0.671		-6.81	20
Bromomethane	0.291	0.280		-3.78	20
Chloroethane	0.440	0.388		-11.82	20
Trichlorofluoromethane	1.065	1.004		-5.73	20
1,1,2-Trichlorotrifluoroethane	0.618	0.619		0.16	20
1,1-Dichloroethene	0.630	0.586		-6.98	20
Acetone	0.263	0.306		16.35	20
Carbon Disulfide	1.900	1.634		-14	20
Methyl tert-butyl Ether	1.915	1.920		0.26	20
Methyl Acetate	0.682	0.758		11.14	20
Methylene Chloride	0.697	0.654		-6.17	20
trans-1,2-Dichloroethene	0.668	0.621		-7.04	20
1,1-Dichloroethane	1.222	1.158	0.1	-5.24	20
Cyclohexane	1.126	1.049		-6.84	20
2-Butanone	0.344	0.389		13.08	20
Carbon Tetrachloride	0.560	0.532		-5	20
cis-1,2-Dichloroethene	0.778	0.733		-5.78	20
Bromochloromethane	0.508	0.535		5.32	20
Chloroform	1.247	1.188		-4.73	20
1,1,1-Trichloroethane	1.073	1.016		-5.31	20
Methylcyclohexane	0.639	0.615		-3.76	20
Benzene	1.533	1.484		-3.2	20
1,2-Dichloroethane	0.543	0.539		-0.74	20
Trichloroethene	0.393	0.368		-6.36	20
1,2-Dichloropropane	0.384	0.378		-1.56	20
Bromodichloromethane	0.578	0.576		-0.35	20
4-Methyl-2-Pentanone	0.440	0.471		7.05	20
Toluene	0.947	0.929		-1.9	20
t-1,3-Dichloropropene	0.505	0.529		4.75	20
cis-1,3-Dichloropropene	0.571	0.580		1.58	20
1,1,2-Trichloroethane	0.360	0.361		0.28	20
2-Hexanone	0.304	0.329		8.22	20
Dibromochloromethane	0.428	0.430		0.47	20
1,2-Dibromoethane	0.371	0.370		-0.27	20
Tetrachloroethene	0.362	0.335		-7.46	20
Chlorobenzene	1.188	1.113	0.3	-6.31	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: **VX047427.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.:	Q2900
Instrument ID:	MSVOA_X	Calibration Date/Time:	08/20/2025 09:25
Lab File ID:	VX047427.D	Init. Calib. Date(s):	08/15/2025 08/15/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:40 12:30

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.045	1.938		-5.23	20
m/p-Xylenes	0.763	0.737		-3.41	20
o-Xylene	0.734	0.703		-4.22	20
Styrene	1.240	1.217		-1.86	20
Bromoform	0.302	0.303	0.1	0.33	20
Isopropylbenzene	3.913	3.810		-2.63	20
1,1,2,2-Tetrachloroethane	1.149	1.148	0.3	-0.09	20
1,3-Dichlorobenzene	1.825	1.723		-5.59	20
1,4-Dichlorobenzene	1.877	1.739		-7.35	20
1,2-Dichlorobenzene	1.733	1.647		-4.96	20
1,2-Dibromo-3-Chloropropane	0.222	0.224		0.9	20
1,2,4-Trichlorobenzene	1.161	1.121		-3.44	20
1,2,3-Trichlorobenzene	1.095	1.065		-2.74	20
1,2-Dichloroethane-d4	0.700	0.747		6.71	20
Dibromofluoromethane	0.325	0.355		9.23	20
Toluene-d8	1.160	1.231		6.12	20
4-Bromofluorobenzene	0.428	0.465		8.65	20

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

Sample Results: **VX047427.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047427.D
Acq On : 20 Aug 2025 09:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 21 01:24:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	222102	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	369648	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	338607	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	165668	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	165825	53.348	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.700%			
35) Dibromofluoromethane	5.391	113	131333	54.744	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.480%			
50) Toluene-d8	8.647	98	454952	53.057	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.120%			
62) 4-Bromofluorobenzene	11.079	95	171750	54.278	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	137479	48.557	ug/l	99
3) Chloromethane	1.307	50	116471	45.729	ug/l	96
4) Vinyl Chloride	1.392	62	149112	46.643	ug/l	98
5) Bromomethane	1.624	94	62138	48.121	ug/l	96
6) Chloroethane	1.703	64	86133	44.036	ug/l	100
7) Trichlorofluoromethane	1.904	101	222951	47.149	ug/l	100
8) Diethyl Ether	2.148	74	81534	48.968	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.343	101	137505	50.129	ug/l	99
10) Methyl Iodide	2.465	142	175616	37.360	ug/l	99
11) Tert butyl alcohol	2.959	59	77273	285.760	ug/l	98
12) 1,1-Dichloroethene	2.337	96	130124	46.532	ug/l	97
13) Acrolein	2.246	56	166950	292.470	ug/l	100
14) Allyl chloride	2.678	41	233998	48.177	ug/l	97
15) Acrylonitrile	3.075	53	345699	264.563	ug/l	100
16) Acetone	2.386	43	339865	290.885	ug/l	98
17) Carbon Disulfide	2.526	76	362926	43.008	ug/l	99
18) Methyl Acetate	2.709	43	168367	55.608	ug/l	99
19) Methyl tert-butyl Ether	3.124	73	426473	50.130	ug/l	99
20) Methylene Chloride	2.800	84	145340	46.976	ug/l	96
21) trans-1,2-Dichloroethene	3.105	96	138016	46.500	ug/l	99
22) Diisopropyl ether	3.764	45	479860	49.981	ug/l #	82
23) Vinyl Acetate	3.727	43	2003620	254.613	ug/l	100
24) 1,1-Dichloroethane	3.617	63	257251	47.405	ug/l	99
25) 2-Butanone	4.562	43	432361	282.551	ug/l	99
26) 2,2-Dichloropropane	4.483	77	196523	47.981	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	162834	47.103	ug/l	99
28) Bromochloromethane	4.904	49	118739	52.582	ug/l	98
29) Tetrahydrofuran	5.013	42	258151	261.014	ug/l	98
30) Chloroform	5.099	83	263954	47.660	ug/l	100
31) Cyclohexane	5.483	56	232913	46.560	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	225596	47.325	ug/l	99
36) 1,1-Dichloropropene	5.696	75	179428	47.379	ug/l	99
37) Ethyl Acetate	4.721	43	198822	50.571	ug/l	99
38) Carbon Tetrachloride	5.684	117	196495	47.480	ug/l	97
39) Methylcyclohexane	7.385	83	227398	48.139	ug/l	95
40) Benzene	6.044	78	548553	48.393	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047427.D
Acq On : 20 Aug 2025 09:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 21 01:24:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	81393	49.094	ug/l		94
42) 1,2-Dichloroethane	6.093	62	199161	49.602	ug/l		99
43) Isopropyl Acetate	6.342	43	290517	51.437	ug/l		100
44) Trichloroethene	7.129	130	136195	46.924	ug/l		99
45) 1,2-Dichloropropane	7.428	63	139581	49.152	ug/l		100
46) Dibromomethane	7.580	93	101467	49.216	ug/l		99
47) Bromodichloromethane	7.818	83	213085	49.856	ug/l		99
48) Methyl methacrylate	7.690	41	149931	51.141	ug/l		99
49) 1,4-Dioxane	7.684	88	36343	1275.197	ug/l		96
51) 4-Methyl-2-Pentanone	8.574	43	871077	268.005	ug/l		99
52) Toluene	8.714	92	343297	49.011	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	195614	52.441	ug/l		100
54) cis-1,3-Dichloropropene	8.367	75	214406	50.782	ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	133399	50.160	ug/l		98
56) Ethyl methacrylate	9.116	69	204493	52.154	ug/l		99
57) 1,3-Dichloropropane	9.305	76	229079	50.551	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	484861	258.666	ug/l		99
59) 2-Hexanone	9.427	43	608467	270.640	ug/l		100
60) Dibromochloromethane	9.519	129	158872	50.268	ug/l		99
61) 1,2-Dibromoethane	9.610	107	136781	49.876	ug/l		99
64) Tetrachloroethene	9.269	164	113583	46.376	ug/l		96
65) Chlorobenzene	10.073	112	376977	46.849	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	129555	47.629	ug/l		100
67) Ethyl Benzene	10.189	91	656208	47.382	ug/l		99
68) m/p-Xylenes	10.299	106	499398	96.706	ug/l		100
69) o-Xylene	10.640	106	238178	47.927	ug/l		98
70) Styrene	10.653	104	412220	49.091	ug/l		100
71) Bromoform	10.799	173	102529	50.173	ug/l	#	99
73) Isopropylbenzene	10.957	105	631147	48.683	ug/l		99
74) N-amyl acetate	10.842	43	252091	51.206	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	190203	49.970	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	154268m	50.771	ug/l		
77) Bromobenzene	11.195	156	151602	47.888	ug/l		99
78) n-propylbenzene	11.299	91	752772	48.618	ug/l		99
79) 2-Chlorotoluene	11.360	91	443648	47.399	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	516490	48.420	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	32638	47.211	ug/l		99
82) 4-Chlorotoluene	11.451	91	524154	47.507	ug/l		100
83) tert-Butylbenzene	11.713	119	525854	49.413	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	521624	48.900	ug/l		99
85) sec-Butylbenzene	11.890	105	656494	49.771	ug/l		100
86) p-Isopropyltoluene	12.006	119	548635	49.153	ug/l		99
87) 1,3-Dichlorobenzene	11.963	146	285444	47.198	ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	288167	46.327	ug/l		100
89) n-Butylbenzene	12.329	91	520953	50.180	ug/l		100
90) Hexachloroethane	12.536	117	96627	49.346	ug/l		100
91) 1,2-Dichlorobenzene	12.329	146	272826	47.527	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	37072	50.361	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	185776	48.275	ug/l		98
94) Hexachlorobutadiene	13.719	225	70719	51.627	ug/l		98
95) Naphthalene	13.774	128	565526	51.423	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	176412	48.632	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047427.D
Acq On : 20 Aug 2025 09:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 21 01:24:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

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

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

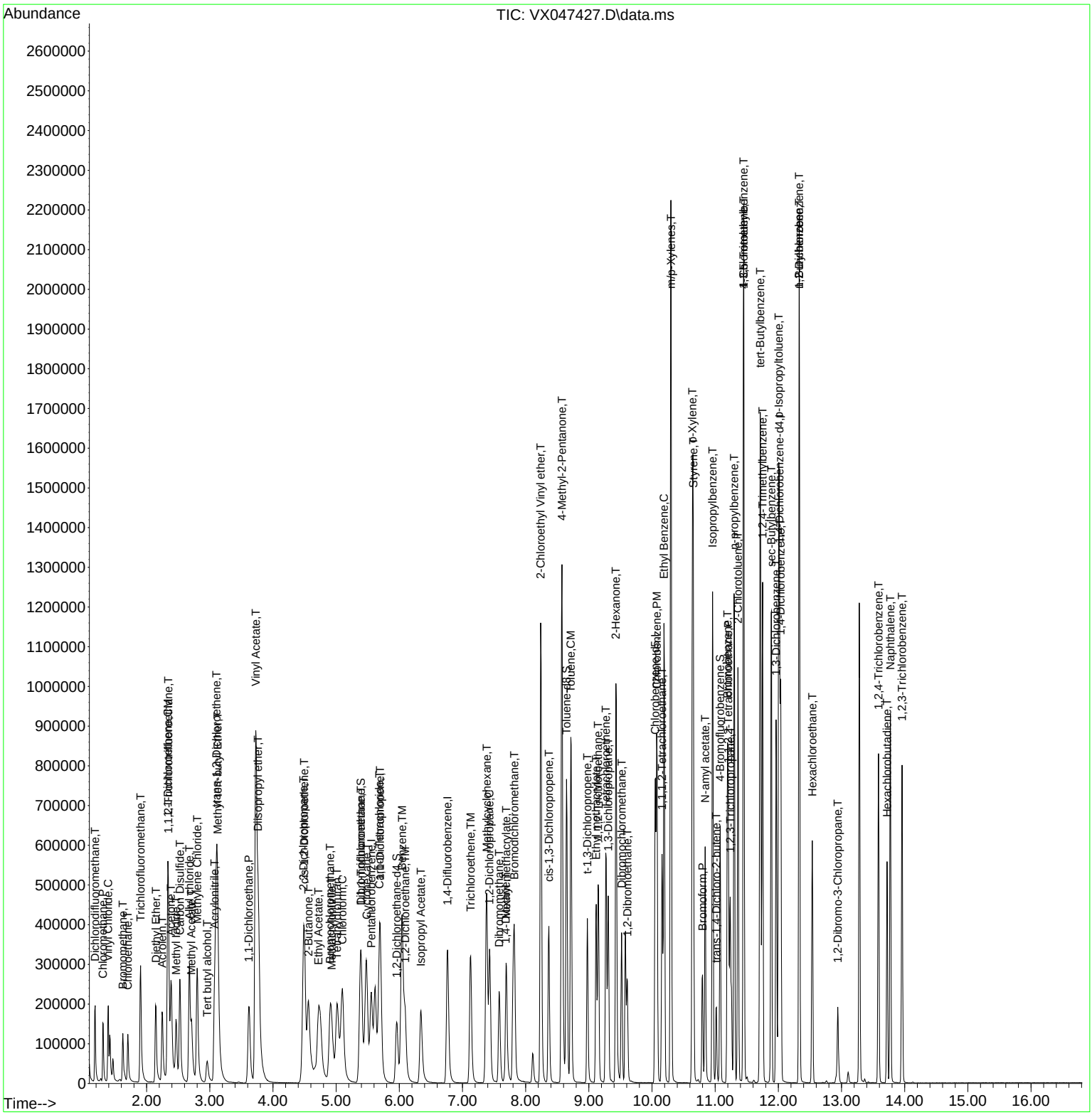
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047427.D
Acq On : 20 Aug 2025 09:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 21 01:24:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025



Sample Results: **VX047427.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047427.D
Acq On : 20 Aug 2025 09:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 21 01:24:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	93	-0.01
2	T	Dichlorodifluoromethane	0.637	0.619	2.8	79	0.00
3	P	Chloromethane	0.573	0.524	8.6	78	0.00
4	C	Vinyl Chloride	0.720	0.671	6.8#	78	0.00
5	T	Bromomethane	0.291	0.280	3.8	77	0.00
6	T	Chloroethane	0.440	0.388	11.8	78	0.00
7	T	Trichlorofluoromethane	1.065	1.004	5.7	79	0.00
8	T	Diethyl Ether	0.375	0.367	2.1	82	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.618	0.619	-0.2	83	0.00
10	T	Methyl Iodide	1.058	0.791	25.2#	63	0.00
11	T	Tert butyl alcohol	0.061	0.070	-14.8	95	0.00
12	CM	1,1-Dichloroethene	0.630	0.586	7.0#	78	0.00
13	T	Acrolein	0.129	0.150	-16.3	106	0.00
14	T	Allyl chloride	1.093	1.054	3.6	81	0.00
15	T	Acrylonitrile	0.294	0.311	-5.8	85	0.00
16	T	Acetone	0.263	0.306	-16.3	102	0.00
17	T	Carbon Disulfide	1.900	1.634	14.0	76	0.00
18	T	Methyl Acetate	0.682	0.758	-11.1	92	0.00
19	T	Methyl tert-butyl Ether	1.915	1.920	-0.3	82	0.00
20	T	Methylene Chloride	0.697	0.654	6.2	80	0.00
21	T	trans-1,2-Dichloroethene	0.668	0.621	7.0	80	0.00
22	T	Diisopropyl ether	2.161	2.161	0.0	82	-0.01
23	T	Vinyl Acetate	1.772	1.804	-1.8	82	0.00
24	P	1,1-Dichloroethane	1.222	1.158	5.2	79	0.00
25	T	2-Butanone	0.344	0.389	-13.1	93	0.00
26	T	2,2-Dichloropropane	0.922	0.885	4.0	81	-0.01
27	T	cis-1,2-Dichloroethene	0.778	0.733	5.8	81	0.00
28	T	Bromochloromethane	0.508	0.535	-5.3	92	0.00
29	T	Tetrahydrofuran	0.223	0.232	-4.0	88	-0.01
30	C	Chloroform	1.247	1.188	4.7#	81	0.00
31	T	Cyclohexane	1.126	1.049	6.8	81	0.00
32	T	1,1,1-Trichloroethane	1.073	1.016	5.3	79	0.00
33	S	1,2-Dichloroethane-d4	0.700	0.747	-6.7	99	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
35	S	Dibromofluoromethane	0.325	0.355	-9.2	98	0.00
36	T	1,1-Dichloropropene	0.512	0.485	5.3	79	-0.01
37	T	Ethyl Acetate	0.532	0.538	-1.1	83	0.00
38	T	Carbon Tetrachloride	0.560	0.532	5.0	80	0.00
39	T	Methylcyclohexane	0.639	0.615	3.8	81	0.00
40	TM	Benzene	1.533	1.484	3.2	80	0.00
41	T	Methacrylonitrile	0.224	0.220	1.8	78	-0.01
42	TM	1,2-Dichloroethane	0.543	0.539	0.7	82	0.00
43	T	Isopropyl Acetate	0.764	0.786	-2.9	83	0.00
44	TM	Trichloroethene	0.393	0.368	6.4	78	0.00
45	C	1,2-Dichloropropane	0.384	0.378	1.6#	82	0.00
46	T	Dibromomethane	0.279	0.274	1.8	83	0.00
47	T	Bromodichloromethane	0.578	0.576	0.3	83	0.00
48	T	Methyl methacrylate	0.397	0.406	-2.3	83	0.00

Sample Results: **VX047427.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047427.D
Acq On : 20 Aug 2025 09:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 21 01:24:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.004	0.005	-25.0	100	0.00
50	S	Toluene-d8	1.160	1.231	-6.1	96	0.00
51	T	4-Methyl-2-Pentanone	0.440	0.471	-7.0	84	0.00
52	CM	Toluene	0.947	0.929	1.9#	80	0.00
53	T	t-1,3-Dichloropropene	0.505	0.529	-4.8	83	0.00
54	T	cis-1,3-Dichloropropene	0.571	0.580	-1.6	82	0.00
55	T	1,1,2-Trichloroethane	0.360	0.361	-0.3	83	0.00
56	T	Ethyl methacrylate	0.530	0.553	-4.3	82	0.00
57	T	1,3-Dichloropropane	0.613	0.620	-1.1	84	0.00
58	T	2-Chloroethyl Vinyl ether	0.211	0.262	-24.2	87	0.00
59	T	2-Hexanone	0.304	0.329	-8.2	87	0.00
60	T	Dibromochloromethane	0.428	0.430	-0.5	84	0.00
61	T	1,2-Dibromoethane	0.371	0.370	0.3	83	0.00
62	S	4-Bromofluorobenzene	0.428	0.465	-8.6	99	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
64	T	Tetrachloroethene	0.362	0.335	7.5	79	0.00
65	PM	Chlorobenzene	1.188	1.113	6.3	81	0.00
66	T	1,1,1,2-Tetrachloroethane	0.402	0.383	4.7	81	0.00
67	C	Ethyl Benzene	2.045	1.938	5.2#	79	0.00
68	T	m/p-Xylenes	0.763	0.737	3.4	80	0.00
69	T	o-Xylene	0.734	0.703	4.2	81	0.00
70	T	Styrene	1.240	1.217	1.9	80	0.00
71	P	Bromoform	0.302	0.303	-0.3	84	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
73	T	Isopropylbenzene	3.913	3.810	2.6	81	0.00
74	T	N-amyl acetate	1.486	1.522	-2.4	82	0.00
75	P	1,1,2,2-Tetrachloroethane	1.149	1.148	0.1	85	0.00
76	T	1,2,3-Trichloropropane	0.917	0.931	-1.5	86	0.00
77	T	Bromobenzene	0.955	0.915	4.2	81	0.00
78	T	n-propylbenzene	4.673	4.544	2.8	82	0.00
79	T	2-Chlorotoluene	2.825	2.678	5.2	81	0.00
80	T	1,3,5-Trimethylbenzene	3.219	3.118	3.1	81	0.00
81	T	trans-1,4-Dichloro-2-butene	0.178	0.197	-10.7	92	0.00
82	T	4-Chlorotoluene	3.330	3.164	5.0	81	0.00
83	T	tert-Butylbenzene	3.212	3.174	1.2	82	0.00
84	T	1,2,4-Trimethylbenzene	3.219	3.149	2.2	81	0.00
85	T	sec-Butylbenzene	3.981	3.963	0.5	84	0.00
86	T	p-Isopropyltoluene	3.369	3.312	1.7	83	0.00
87	T	1,3-Dichlorobenzene	1.825	1.723	5.6	81	0.00
88	T	1,4-Dichlorobenzene	1.877	1.739	7.4	82	0.00
89	T	n-Butylbenzene	3.133	3.145	-0.4	85	0.00
90	T	Hexachloroethane	0.591	0.583	1.4	83	0.00
91	T	1,2-Dichlorobenzene	1.733	1.647	5.0	83	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.222	0.224	-0.9	85	0.00
93	T	1,2,4-Trichlorobenzene	1.161	1.121	3.4	85	0.00
94	T	Hexachlorobutadiene	0.413	0.427	-3.4	99	0.00
95	T	Naphthalene	3.319	3.414	-2.9	84	0.00

Sample Results: **VX047427.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047427.D
Acq On : 20 Aug 2025 09:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 21 01:24:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.095	1.065	2.7	85	0.00

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

Sample Results: **VX047427.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047427.D
Acq On : 20 Aug 2025 09:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 21 01:24:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	93	-0.01
2	T	Dichlorodifluoromethane	50.000	48.557	2.9	79	0.00
3	P	Chloromethane	50.000	45.729	8.5	78	0.00
4	C	Vinyl Chloride	50.000	46.643	6.7#	78	0.00
5	T	Bromomethane	50.000	48.121	3.8	77	0.00
6	T	Chloroethane	50.000	44.036	11.9	78	0.00
7	T	Trichlorofluoromethane	50.000	47.149	5.7	79	0.00
8	T	Diethyl Ether	50.000	48.968	2.1	82	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.129	-0.3	83	0.00
10	T	Methyl Iodide	50.000	37.360	25.3#	63	0.00
11	T	Tert butyl alcohol	250.000	285.760	-14.3	95	0.00
12	CM	1,1-Dichloroethene	50.000	46.532	6.9#	78	0.00
13	T	Acrolein	250.000	292.470	-17.0	106	0.00
14	T	Allyl chloride	50.000	48.177	3.6	81	0.00
15	T	Acrylonitrile	250.000	264.563	-5.8	85	0.00
16	T	Acetone	250.000	290.885	-16.4	102	0.00
17	T	Carbon Disulfide	50.000	43.008	14.0	76	0.00
18	T	Methyl Acetate	50.000	55.608	-11.2	92	0.00
19	T	Methyl tert-butyl Ether	50.000	50.130	-0.3	82	0.00
20	T	Methylene Chloride	50.000	46.976	6.0	80	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.500	7.0	80	0.00
22	T	Diisopropyl ether	50.000	49.981	0.0	82	-0.01
23	T	Vinyl Acetate	250.000	254.613	-1.8	82	0.00
24	P	1,1-Dichloroethane	50.000	47.405	5.2	79	0.00
25	T	2-Butanone	250.000	282.551	-13.0	93	0.00
26	T	2,2-Dichloropropane	50.000	47.981	4.0	81	-0.01
27	T	cis-1,2-Dichloroethene	50.000	47.103	5.8	81	0.00
28	T	Bromochloromethane	50.000	52.582	-5.2	92	0.00
29	T	Tetrahydrofuran	250.000	261.014	-4.4	88	-0.01
30	C	Chloroform	50.000	47.660	4.7#	81	0.00
31	T	Cyclohexane	50.000	46.560	6.9	81	0.00
32	T	1,1,1-Trichloroethane	50.000	47.325	5.3	79	0.00
33	S	1,2-Dichloroethane-d4	50.000	53.348	-6.7	99	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	91	0.00
35	S	Dibromofluoromethane	50.000	54.744	-9.5	98	0.00
36	T	1,1-Dichloropropene	50.000	47.379	5.2	79	-0.01
37	T	Ethyl Acetate	50.000	50.571	-1.1	83	0.00
38	T	Carbon Tetrachloride	50.000	47.480	5.0	80	0.00
39	T	Methylcyclohexane	50.000	48.139	3.7	81	0.00
40	TM	Benzene	50.000	48.393	3.2	80	0.00
41	T	Methacrylonitrile	50.000	49.094	1.8	78	-0.01
42	TM	1,2-Dichloroethane	50.000	49.602	0.8	82	0.00
43	T	Isopropyl Acetate	50.000	51.437	-2.9	83	0.00
44	TM	Trichloroethene	50.000	46.924	6.2	78	0.00
45	C	1,2-Dichloropropane	50.000	49.152	1.7#	82	0.00
46	T	Dibromomethane	50.000	49.216	1.6	83	0.00
47	T	Bromodichloromethane	50.000	49.856	0.3	83	0.00
48	T	Methyl methacrylate	50.000	51.141	-2.3	83	0.00

Sample Results: **VX047427.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047427.D
Acq On : 20 Aug 2025 09:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 21 01:24:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1275.197	-27.5#	100	0.00
50	S	Toluene-d8	50.000	53.057	-6.1	96	0.00
51	T	4-Methyl-2-Pentanone	250.000	268.005	-7.2	84	0.00
52	CM	Toluene	50.000	49.011	2.0#	80	0.00
53	T	t-1,3-Dichloropropene	50.000	52.441	-4.9	83	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.782	-1.6	82	0.00
55	T	1,1,2-Trichloroethane	50.000	50.160	-0.3	83	0.00
56	T	Ethyl methacrylate	50.000	52.154	-4.3	82	0.00
57	T	1,3-Dichloropropane	50.000	50.551	-1.1	84	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	258.666	-3.5	87	0.00
59	T	2-Hexanone	250.000	270.640	-8.3	87	0.00
60	T	Dibromochloromethane	50.000	50.268	-0.5	84	0.00
61	T	1,2-Dibromoethane	50.000	49.876	0.2	83	0.00
62	S	4-Bromofluorobenzene	50.000	54.278	-8.6	99	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	93	0.00
64	T	Tetrachloroethene	50.000	46.376	7.2	79	0.00
65	PM	Chlorobenzene	50.000	46.849	6.3	81	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	47.629	4.7	81	0.00
67	C	Ethyl Benzene	50.000	47.382	5.2#	79	0.00
68	T	m/p-Xylenes	100.000	96.706	3.3	80	0.00
69	T	o-Xylene	50.000	47.927	4.1	81	0.00
70	T	Styrene	50.000	49.091	1.8	80	0.00
71	P	Bromoform	50.000	50.173	-0.3	84	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	93	0.00
73	T	Isopropylbenzene	50.000	48.683	2.6	81	0.00
74	T	N-amyl acetate	50.000	51.206	-2.4	82	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.970	0.1	85	0.00
76	T	1,2,3-Trichloropropane	50.000	50.771	-1.5	86	0.00
77	T	Bromobenzene	50.000	47.888	4.2	81	0.00
78	T	n-propylbenzene	50.000	48.618	2.8	82	0.00
79	T	2-Chlorotoluene	50.000	47.399	5.2	81	0.00
80	T	1,3,5-Trimethylbenzene	50.000	48.420	3.2	81	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	47.211	5.6	92	0.00
82	T	4-Chlorotoluene	50.000	47.507	5.0	81	0.00
83	T	tert-Butylbenzene	50.000	49.413	1.2	82	0.00
84	T	1,2,4-Trimethylbenzene	50.000	48.900	2.2	81	0.00
85	T	sec-Butylbenzene	50.000	49.771	0.5	84	0.00
86	T	p-Isopropyltoluene	50.000	49.153	1.7	83	0.00
87	T	1,3-Dichlorobenzene	50.000	47.198	5.6	81	0.00
88	T	1,4-Dichlorobenzene	50.000	46.327	7.3	82	0.00
89	T	n-Butylbenzene	50.000	50.180	-0.4	85	0.00
90	T	Hexachloroethane	50.000	49.346	1.3	83	0.00
91	T	1,2-Dichlorobenzene	50.000	47.527	4.9	83	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.361	-0.7	85	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.275	3.5	85	0.00
94	T	Hexachlorobutadiene	50.000	51.627	-3.3	99	0.00
95	T	Naphthalene	50.000	51.423	-2.8	84	0.00

Sample Results: **VX047427.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047427.D
Acq On : 20 Aug 2025 09:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 21 01:24:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	48.632	2.7	85	0.00

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

Raw Data: **VX047455.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.: Q2900
Instrument ID: MSVOA_X
Calibration Date/Time: 08/21/2025 09:35
Lab File ID: VX047455.D
Init. Calib. Date(s): 08/15/2025 08/15/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:40 12:30
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.637	0.598		-6.12	20
Chloromethane	0.573	0.516	0.1	-9.95	20
Vinyl Chloride	0.720	0.680		-5.56	20
Bromomethane	0.291	0.296		1.72	20
Chloroethane	0.440	0.405		-7.95	20
Trichlorofluoromethane	1.065	0.995		-6.57	20
1,1,2-Trichlorotrifluoroethane	0.618	0.599		-3.07	20
1,1-Dichloroethene	0.630	0.604		-4.13	20
Acetone	0.263	0.297		12.93	20
Carbon Disulfide	1.900	1.648		-13.26	20
Methyl tert-butyl Ether	1.915	2.010		4.96	20
Methyl Acetate	0.682	0.764		12.02	20
Methylene Chloride	0.697	0.692		-0.72	20
trans-1,2-Dichloroethene	0.668	0.627		-6.14	20
1,1-Dichloroethane	1.222	1.230	0.1	0.65	20
Cyclohexane	1.126	1.035		-8.08	20
2-Butanone	0.344	0.378		9.88	20
Carbon Tetrachloride	0.560	0.506		-9.64	20
cis-1,2-Dichloroethene	0.778	0.772		-0.77	20
Bromochloromethane	0.508	0.579		13.98	20
Chloroform	1.247	1.242		-0.4	20
1,1,1-Trichloroethane	1.073	1.042		-2.89	20
Methylcyclohexane	0.639	0.582		-8.92	20
Benzene	1.533	1.480		-3.46	20
1,2-Dichloroethane	0.543	0.540		-0.55	20
Trichloroethene	0.393	0.363		-7.63	20
1,2-Dichloropropane	0.384	0.379		-1.3	20
Bromodichloromethane	0.578	0.576		-0.35	20
4-Methyl-2-Pentanone	0.440	0.432		-1.82	20
Toluene	0.947	0.923		-2.53	20
t-1,3-Dichloropropene	0.505	0.534		5.74	20
cis-1,3-Dichloropropene	0.571	0.588		2.98	20
1,1,2-Trichloroethane	0.360	0.356		-1.11	20
2-Hexanone	0.304	0.296		-2.63	20
Dibromochloromethane	0.428	0.427		-0.23	20
1,2-Dibromoethane	0.371	0.363		-2.16	20
Tetrachloroethene	0.362	0.340		-6.08	20
Chlorobenzene	1.188	1.159	0.3	-2.44	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: **VX047455.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.:	Q2900
Instrument ID:	MSVOA_X	Calibration Date/Time:	08/21/2025 09:35
Lab File ID:	VX047455.D	Init. Calib. Date(s):	08/15/2025 08/15/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:40 12:30

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.045	2.008		-1.81	20
m/p-Xylenes	0.763	0.749		-1.84	20
o-Xylene	0.734	0.732		-0.27	20
Styrene	1.240	1.263		1.86	20
Bromoform	0.302	0.303	0.1	0.33	20
Isopropylbenzene	3.913	3.878		-0.89	20
1,1,2,2-Tetrachloroethane	1.149	1.154	0.3	0.44	20
1,3-Dichlorobenzene	1.825	1.747		-4.27	20
1,4-Dichlorobenzene	1.877	1.784		-4.95	20
1,2-Dichlorobenzene	1.733	1.686		-2.71	20
1,2-Dibromo-3-Chloropropane	0.222	0.217		-2.25	20
1,2,4-Trichlorobenzene	1.161	1.136		-2.15	20
1,2,3-Trichlorobenzene	1.095	1.091		-0.37	20
1,2-Dichloroethane-d4	0.700	0.705		0.71	20
Dibromofluoromethane	0.325	0.317		-2.46	20
Toluene-d8	1.160	1.105		-4.74	20
4-Bromofluorobenzene	0.428	0.421		-1.64	20

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

Sample Results: **VX047455.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047455.D
Acq On : 21 Aug 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 22 03:38:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	229258	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	398048	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	349454	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	170891	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	161541	50.347	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.700%			
35) Dibromofluoromethane	5.391	113	126257	48.873	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.740%			
50) Toluene-d8	8.647	98	440017	47.654	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.300%			
62) 4-Bromofluorobenzene	11.079	95	167385	49.124	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	137054	46.896	ug/l	98
3) Chloromethane	1.313	50	118337	45.011	ug/l	100
4) Vinyl Chloride	1.392	62	155972	47.266	ug/l	97
5) Bromomethane	1.624	94	67970	50.995	ug/l	100
6) Chloroethane	1.703	64	92773	45.950	ug/l	97
7) Trichlorofluoromethane	1.904	101	228011	46.714	ug/l	97
8) Diethyl Ether	2.142	74	89364	51.996	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.343	101	137327	48.502	ug/l	99
10) Methyl Iodide	2.471	142	198280	40.864	ug/l	99
11) Tert butyl alcohol	2.959	59	74546	267.071	ug/l	100
12) 1,1-Dichloroethene	2.337	96	138483	47.975	ug/l	97
13) Acrolein	2.245	56	152087	258.116	ug/l	100
14) Allyl chloride	2.678	41	253477	50.558	ug/l	98
15) Acrylonitrile	3.081	53	341743	253.372	ug/l	99
16) Acetone	2.386	43	340465	282.303	ug/l	100
17) Carbon Disulfide	2.526	76	377752	43.368	ug/l	99
18) Methyl Acetate	2.709	43	175090	56.023	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	460788	52.473	ug/l	97
20) Methylene Chloride	2.800	84	158663	49.682	ug/l	95
21) trans-1,2-Dichloroethene	3.105	96	143651	46.888	ug/l	100
22) Diisopropyl ether	3.764	45	530561	53.537	ug/l	90
23) Vinyl Acetate	3.727	43	2128926	262.092	ug/l	99
24) 1,1-Dichloroethane	3.617	63	281992	50.342	ug/l	98
25) 2-Butanone	4.556	43	432900	274.073	ug/l	100
26) 2,2-Dichloropropane	4.483	77	211457	50.016	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	176936	49.585	ug/l	99
28) Bromochloromethane	4.904	49	132726	56.941	ug/l	99
29) Tetrahydrofuran	5.013	42	247179	242.119	ug/l	98
30) Chloroform	5.099	83	284762	49.812	ug/l	98
31) Cyclohexane	5.477	56	237389	45.973	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	238782	48.527	ug/l	100
36) 1,1-Dichloropropene	5.696	75	187916	46.080	ug/l	99
37) Ethyl Acetate	4.715	43	185529	43.823	ug/l	98
38) Carbon Tetrachloride	5.684	117	201253	45.160	ug/l	98
39) Methylcyclohexane	7.379	83	231636	45.537	ug/l	95
40) Benzene	6.044	78	589135	48.265	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047455.D
Acq On : 21 Aug 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 22 03:38:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	85816	48.068	ug/l		96
42) 1,2-Dichloroethane	6.092	62	215079	49.745	ug/l		100
43) Isopropyl Acetate	6.336	43	301985	49.652	ug/l		99
44) Trichloroethene	7.129	130	144331	46.179	ug/l		98
45) 1,2-Dichloropropane	7.427	63	151021	49.387	ug/l		99
46) Dibromomethane	7.580	93	109389	49.273	ug/l		97
47) Bromodichloromethane	7.818	83	229317	49.826	ug/l		99
48) Methyl methacrylate	7.690	41	157170	49.786	ug/l		99
49) 1,4-Dioxane	7.677	88	35931	1170.790	ug/l		95
51) 4-Methyl-2-Pentanone	8.574	43	859427	245.555	ug/l		98
52) Toluene	8.714	92	367491	48.722	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	212547	52.915	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	234037	51.476	ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	141600	49.445	ug/l		98
56) Ethyl methacrylate	9.116	69	214659	50.841	ug/l		98
57) 1,3-Dichloropropane	9.305	76	245575	50.324	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	496030	246.162	ug/l		99
59) 2-Hexanone	9.427	43	588782	243.199	ug/l		100
60) Dibromochloromethane	9.519	129	169913	49.925	ug/l		99
61) 1,2-Dibromoethane	9.610	107	144626	48.974	ug/l		100
64) Tetrachloroethene	9.269	164	118711	46.965	ug/l		98
65) Chlorobenzene	10.079	112	404956	48.764	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	141556	50.425	ug/l		99
67) Ethyl Benzene	10.189	91	701634	49.089	ug/l		99
68) m/p-Xylenes	10.299	106	523170	98.164	ug/l		99
69) o-Xylene	10.640	106	255854	49.886	ug/l		98
70) Styrene	10.653	104	441303	50.924	ug/l		100
71) Bromoform	10.793	173	105815	50.174	ug/l	#	99
73) Isopropylbenzene	10.957	105	662630	49.550	ug/l		100
74) N-amyl acetate	10.842	43	257431	50.693	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	197287	50.246	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	158508m	50.572	ug/l		
77) Bromobenzene	11.195	156	162842	49.867	ug/l		99
78) n-propylbenzene	11.299	91	785818	49.201	ug/l		99
79) 2-Chlorotoluene	11.360	91	469970	48.677	ug/l		99
80) 1,3,5-Trimethylbenzene	11.445	105	543536	49.398	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	32124	45.408	ug/l		98
82) 4-Chlorotoluene	11.451	91	547058	48.067	ug/l		100
83) tert-Butylbenzene	11.713	119	546135	49.750	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	550436	50.024	ug/l		99
85) sec-Butylbenzene	11.890	105	669670	49.218	ug/l		100
86) p-Isopropyltoluene	12.006	119	568699	49.393	ug/l		100
87) 1,3-Dichlorobenzene	11.963	146	298542	47.855	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	304807	47.505	ug/l		99
89) n-Butylbenzene	12.329	91	533265	49.796	ug/l		99
90) Hexachloroethane	12.536	117	99175	49.100	ug/l		99
91) 1,2-Dichlorobenzene	12.329	146	288109	48.655	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	37071	48.821	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	194113	48.899	ug/l		99
94) Hexachlorobutadiene	13.719	225	69786	49.389	ug/l		99
95) Naphthalene	13.774	128	585297	51.594	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	186476	49.836	ug/l		97

Sample Results: **VX047455.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047455.D
Acq On : 21 Aug 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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

Quant Time: Aug 22 03:38:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

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

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

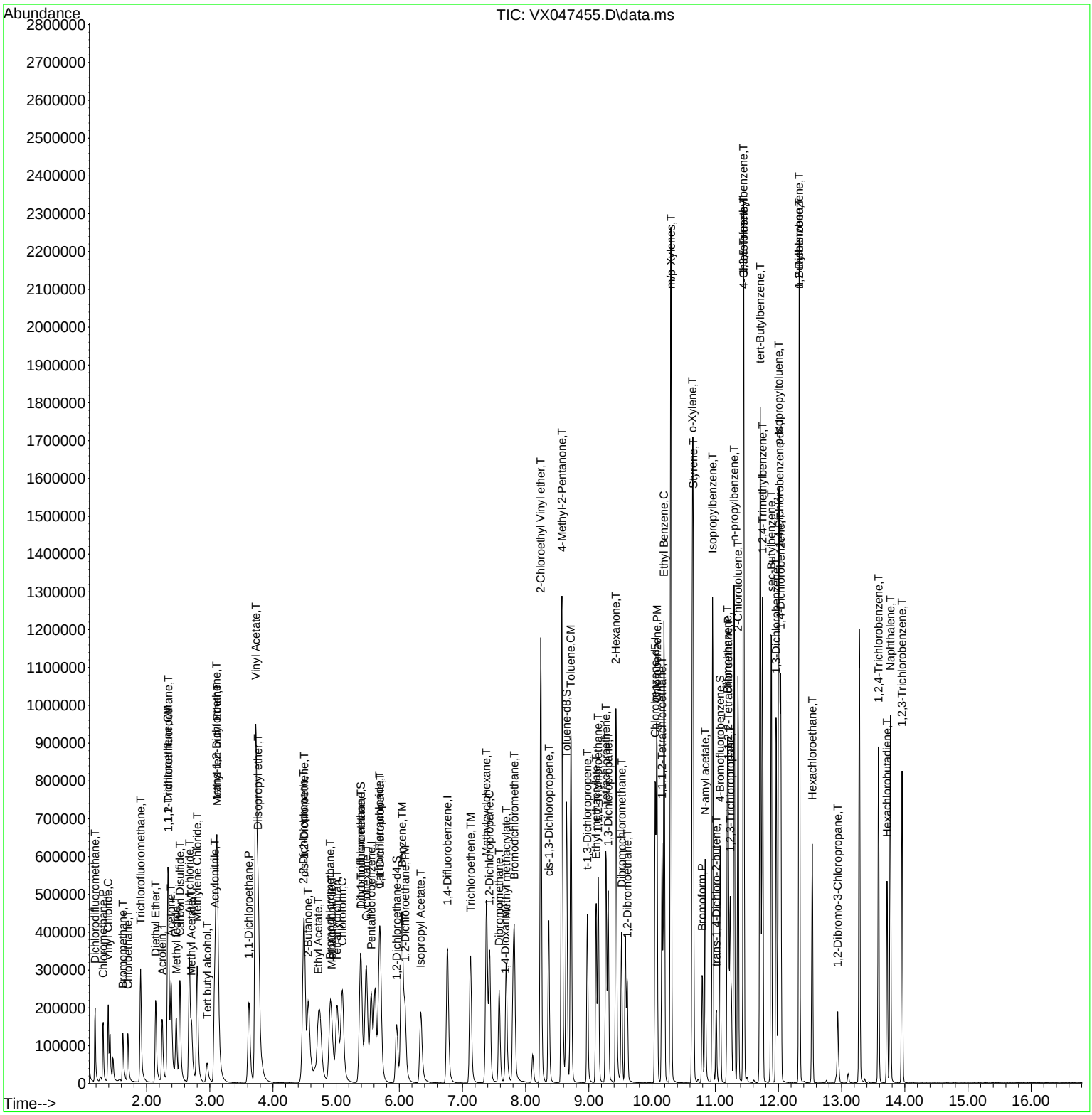
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047455.D
Acq On : 21 Aug 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 22 03:38:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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



Sample Results: **VX047455.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047455.D
Acq On : 21 Aug 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 22 03:38:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	96	-0.01
2	T	Dichlorodifluoromethane	0.637	0.598	6.1	78	0.00
3	P	Chloromethane	0.573	0.516	9.9	79	0.00
4	C	Vinyl Chloride	0.720	0.680	5.6#	82	0.00
5	T	Bromomethane	0.291	0.296	-1.7	85	0.00
6	T	Chloroethane	0.440	0.405	8.0	84	0.00
7	T	Trichlorofluoromethane	1.065	0.995	6.6	80	0.00
8	T	Diethyl Ether	0.375	0.390	-4.0	90	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.618	0.599	3.1	82	0.00
10	T	Methyl Iodide	1.058	0.865	18.2	71	0.00
11	T	Tert butyl alcohol	0.061	0.065	-6.6	92	0.00
12	CM	1,1-Dichloroethene	0.630	0.604	4.1#	83	0.00
13	T	Acrolein	0.129	0.133	-3.1	96	0.00
14	T	Allyl chloride	1.093	1.106	-1.2	88	0.00
15	T	Acrylonitrile	0.294	0.298	-1.4	84	0.00
16	T	Acetone	0.263	0.297	-12.9	102	0.00
17	T	Carbon Disulfide	1.900	1.648	13.3	79	0.00
18	T	Methyl Acetate	0.682	0.764	-12.0	95	0.00
19	T	Methyl tert-butyl Ether	1.915	2.010	-5.0	89	0.00
20	T	Methylene Chloride	0.697	0.692	0.7	88	0.00
21	T	trans-1,2-Dichloroethene	0.668	0.627	6.1	83	0.00
22	T	Diisopropyl ether	2.161	2.314	-7.1	90	-0.01
23	T	Vinyl Acetate	1.772	1.857	-4.8	87	0.00
24	P	1,1-Dichloroethane	1.222	1.230	-0.7	87	0.00
25	T	2-Butanone	0.344	0.378	-9.9	93	-0.01
26	T	2,2-Dichloropropane	0.922	0.922	0.0	87	-0.01
27	T	cis-1,2-Dichloroethene	0.778	0.772	0.8	88	0.00
28	T	Bromochloromethane	0.508	0.579	-14.0	103	0.00
29	T	Tetrahydrofuran	0.223	0.216	3.1	84	-0.01
30	C	Chloroform	1.247	1.242	0.4#	87	0.00
31	T	Cyclohexane	1.126	1.035	8.1	82	0.00
32	T	1,1,1-Trichloroethane	1.073	1.042	2.9	84	0.00
33	S	1,2-Dichloroethane-d4	0.700	0.705	-0.7	97	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
35	S	Dibromofluoromethane	0.325	0.317	2.5	94	0.00
36	T	1,1-Dichloropropene	0.512	0.472	7.8	82	-0.01
37	T	Ethyl Acetate	0.532	0.466	12.4	78	0.00
38	T	Carbon Tetrachloride	0.560	0.506	9.6	82	0.00
39	T	Methylcyclohexane	0.639	0.582	8.9	82	-0.01
40	TM	Benzene	1.533	1.480	3.5	85	0.00
41	T	Methacrylonitrile	0.224	0.216	3.6	82	-0.01
42	TM	1,2-Dichloroethane	0.543	0.540	0.6	88	0.00
43	T	Isopropyl Acetate	0.764	0.759	0.7	86	-0.01
44	TM	Trichloroethene	0.393	0.363	7.6	82	0.00
45	C	1,2-Dichloropropane	0.384	0.379	1.3#	89	0.00
46	T	Dibromomethane	0.279	0.275	1.4	89	0.00
47	T	Bromodichloromethane	0.578	0.576	0.3	89	0.00
48	T	Methyl methacrylate	0.397	0.395	0.5	87	0.00

Sample Results: **VX047455.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047455.D
Acq On : 21 Aug 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 22 03:38:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.004	0.005	-25.0	99	0.00
50	S	Toluene-d8	1.160	1.105	4.7	93	0.00
51	T	4-Methyl-2-Pentanone	0.440	0.432	1.8	83	0.00
52	CM	Toluene	0.947	0.923	2.5#	86	0.00
53	T	t-1,3-Dichloropropene	0.505	0.534	-5.7	90	0.00
54	T	cis-1,3-Dichloropropene	0.571	0.588	-3.0	90	0.00
55	T	1,1,2-Trichloroethane	0.360	0.356	1.1	88	0.00
56	T	Ethyl methacrylate	0.530	0.539	-1.7	86	0.00
57	T	1,3-Dichloropropane	0.613	0.617	-0.7	90	0.00
58	T	2-Chloroethyl Vinyl ether	0.211	0.249	-18.0	89	0.00
59	T	2-Hexanone	0.304	0.296	2.6	84	0.00
60	T	Dibromochloromethane	0.428	0.427	0.2	90	0.00
61	T	1,2-Dibromoethane	0.371	0.363	2.2	87	0.00
62	S	4-Bromofluorobenzene	0.428	0.421	1.6	96	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
64	T	Tetrachloroethene	0.362	0.340	6.1	82	0.00
65	PM	Chlorobenzene	1.188	1.159	2.4	87	0.00
66	T	1,1,1,2-Tetrachloroethane	0.402	0.405	-0.7	88	0.00
67	C	Ethyl Benzene	2.045	2.008	1.8#	85	0.00
68	T	m/p-Xylenes	0.763	0.749	1.8	84	0.00
69	T	o-Xylene	0.734	0.732	0.3	87	0.00
70	T	Styrene	1.240	1.263	-1.9	86	0.00
71	P	Bromoform	0.302	0.303	-0.3	87	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
73	T	Isopropylbenzene	3.913	3.878	0.9	85	0.00
74	T	N-amyl acetate	1.486	1.506	-1.3	84	0.00
75	P	1,1,2,2-Tetrachloroethane	1.149	1.154	-0.4	88	0.00
76	T	1,2,3-Trichloropropane	0.917	0.928	-1.2	88	0.00
77	T	Bromobenzene	0.955	0.953	0.2	87	0.00
78	T	n-propylbenzene	4.673	4.598	1.6	86	0.00
79	T	2-Chlorotoluene	2.825	2.750	2.7	86	0.00
80	T	1,3,5-Trimethylbenzene	3.219	3.181	1.2	85	0.00
81	T	trans-1,4-Dichloro-2-butene	0.178	0.188	-5.6	91	0.00
82	T	4-Chlorotoluene	3.330	3.201	3.9	85	0.00
83	T	tert-Butylbenzene	3.212	3.196	0.5	85	0.00
84	T	1,2,4-Trimethylbenzene	3.219	3.221	-0.1	85	0.00
85	T	sec-Butylbenzene	3.981	3.919	1.6	85	0.00
86	T	p-Isopropyltoluene	3.369	3.328	1.2	86	0.00
87	T	1,3-Dichlorobenzene	1.825	1.747	4.3	85	0.00
88	T	1,4-Dichlorobenzene	1.877	1.784	5.0	87	0.00
89	T	n-Butylbenzene	3.133	3.120	0.4	87	0.00
90	T	Hexachloroethane	0.591	0.580	1.9	86	0.00
91	T	1,2-Dichlorobenzene	1.733	1.686	2.7	87	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.222	0.217	2.3	85	0.00
93	T	1,2,4-Trichlorobenzene	1.161	1.136	2.2	89	0.00
94	T	Hexachlorobutadiene	0.413	0.408	1.2	97	0.00
95	T	Naphthalene	3.319	3.425	-3.2	87	0.00

Sample Results: **VX047455.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047455.D
Acq On : 21 Aug 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 22 03:38:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.095	1.091	0.4	90	0.00

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

Sample Results: **VX047455.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047455.D
Acq On : 21 Aug 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 22 03:38:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	96	-0.01
2	T	Dichlorodifluoromethane	50.000	46.896	6.2	78	0.00
3	P	Chloromethane	50.000	45.011	10.0	79	0.00
4	C	Vinyl Chloride	50.000	47.266	5.5#	82	0.00
5	T	Bromomethane	50.000	50.995	-2.0	85	0.00
6	T	Chloroethane	50.000	45.950	8.1	84	0.00
7	T	Trichlorofluoromethane	50.000	46.714	6.6	80	0.00
8	T	Diethyl Ether	50.000	51.996	-4.0	90	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.502	3.0	82	0.00
10	T	Methyl Iodide	50.000	40.864	18.3	71	0.00
11	T	Tert butyl alcohol	250.000	267.071	-6.8	92	0.00
12	CM	1,1-Dichloroethene	50.000	47.975	4.0#	83	0.00
13	T	Acrolein	250.000	258.116	-3.2	96	0.00
14	T	Allyl chloride	50.000	50.558	-1.1	88	0.00
15	T	Acrylonitrile	250.000	253.372	-1.3	84	0.00
16	T	Acetone	250.000	282.303	-12.9	102	0.00
17	T	Carbon Disulfide	50.000	43.368	13.3	79	0.00
18	T	Methyl Acetate	50.000	56.023	-12.0	95	0.00
19	T	Methyl tert-butyl Ether	50.000	52.473	-4.9	89	0.00
20	T	Methylene Chloride	50.000	49.682	0.6	88	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.888	6.2	83	0.00
22	T	Diisopropyl ether	50.000	53.537	-7.1	90	-0.01
23	T	Vinyl Acetate	250.000	262.092	-4.8	87	0.00
24	P	1,1-Dichloroethane	50.000	50.342	-0.7	87	0.00
25	T	2-Butanone	250.000	274.073	-9.6	93	-0.01
26	T	2,2-Dichloropropane	50.000	50.016	-0.0	87	-0.01
27	T	cis-1,2-Dichloroethene	50.000	49.585	0.8	88	0.00
28	T	Bromochloromethane	50.000	56.941	-13.9	103	0.00
29	T	Tetrahydrofuran	250.000	242.119	3.2	84	-0.01
30	C	Chloroform	50.000	49.812	0.4#	87	0.00
31	T	Cyclohexane	50.000	45.973	8.1	82	0.00
32	T	1,1,1-Trichloroethane	50.000	48.527	2.9	84	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.347	-0.7	97	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
35	S	Dibromofluoromethane	50.000	48.873	2.3	94	0.00
36	T	1,1-Dichloropropene	50.000	46.080	7.8	82	-0.01
37	T	Ethyl Acetate	50.000	43.823	12.4	78	0.00
38	T	Carbon Tetrachloride	50.000	45.160	9.7	82	0.00
39	T	Methylcyclohexane	50.000	45.537	8.9	82	-0.01
40	TM	Benzene	50.000	48.265	3.5	85	0.00
41	T	Methacrylonitrile	50.000	48.068	3.9	82	-0.01
42	TM	1,2-Dichloroethane	50.000	49.745	0.5	88	0.00
43	T	Isopropyl Acetate	50.000	49.652	0.7	86	-0.01
44	TM	Trichloroethene	50.000	46.179	7.6	82	0.00
45	C	1,2-Dichloropropane	50.000	49.387	1.2#	89	0.00
46	T	Dibromomethane	50.000	49.273	1.5	89	0.00
47	T	Bromodichloromethane	50.000	49.826	0.3	89	0.00
48	T	Methyl methacrylate	50.000	49.786	0.4	87	0.00

Sample Results: **VX047455.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047455.D
Acq On : 21 Aug 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 22 03:38:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1170.790	-17.1	99	0.00
50	S	Toluene-d8	50.000	47.654	4.7	93	0.00
51	T	4-Methyl-2-Pentanone	250.000	245.555	1.8	83	0.00
52	CM	Toluene	50.000	48.722	2.6#	86	0.00
53	T	t-1,3-Dichloropropene	50.000	52.915	-5.8	90	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.476	-3.0	90	0.00
55	T	1,1,2-Trichloroethane	50.000	49.445	1.1	88	0.00
56	T	Ethyl methacrylate	50.000	50.841	-1.7	86	0.00
57	T	1,3-Dichloropropane	50.000	50.324	-0.6	90	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	246.162	1.5	89	0.00
59	T	2-Hexanone	250.000	243.199	2.7	84	0.00
60	T	Dibromochloromethane	50.000	49.925	0.2	90	0.00
61	T	1,2-Dibromoethane	50.000	48.974	2.1	87	0.00
62	S	4-Bromofluorobenzene	50.000	49.124	1.8	96	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	96	0.00
64	T	Tetrachloroethene	50.000	46.965	6.1	82	0.00
65	PM	Chlorobenzene	50.000	48.764	2.5	87	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.425	-0.8	88	0.00
67	C	Ethyl Benzene	50.000	49.089	1.8#	85	0.00
68	T	m/p-Xylenes	100.000	98.164	1.8	84	0.00
69	T	o-Xylene	50.000	49.886	0.2	87	0.00
70	T	Styrene	50.000	50.924	-1.8	86	0.00
71	P	Bromoform	50.000	50.174	-0.3	87	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	96	0.00
73	T	Isopropylbenzene	50.000	49.550	0.9	85	0.00
74	T	N-amyl acetate	50.000	50.693	-1.4	84	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.246	-0.5	88	0.00
76	T	1,2,3-Trichloropropane	50.000	50.572	-1.1	88	0.00
77	T	Bromobenzene	50.000	49.867	0.3	87	0.00
78	T	n-propylbenzene	50.000	49.201	1.6	86	0.00
79	T	2-Chlorotoluene	50.000	48.677	2.6	86	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.398	1.2	85	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.408	9.2	91	0.00
82	T	4-Chlorotoluene	50.000	48.067	3.9	85	0.00
83	T	tert-Butylbenzene	50.000	49.750	0.5	85	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.024	-0.0	85	0.00
85	T	sec-Butylbenzene	50.000	49.218	1.6	85	0.00
86	T	p-Isopropyltoluene	50.000	49.393	1.2	86	0.00
87	T	1,3-Dichlorobenzene	50.000	47.855	4.3	85	0.00
88	T	1,4-Dichlorobenzene	50.000	47.505	5.0	87	0.00
89	T	n-Butylbenzene	50.000	49.796	0.4	87	0.00
90	T	Hexachloroethane	50.000	49.100	1.8	86	0.00
91	T	1,2-Dichlorobenzene	50.000	48.655	2.7	87	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.821	2.4	85	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.899	2.2	89	0.00
94	T	Hexachlorobutadiene	50.000	49.389	1.2	97	0.00
95	T	Naphthalene	50.000	51.594	-3.2	87	0.00

Sample Results: **VX047455.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047455.D
Acq On : 21 Aug 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 22 03:38:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	49.836	0.3	90	0.00

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

QC SAMPLE DATA

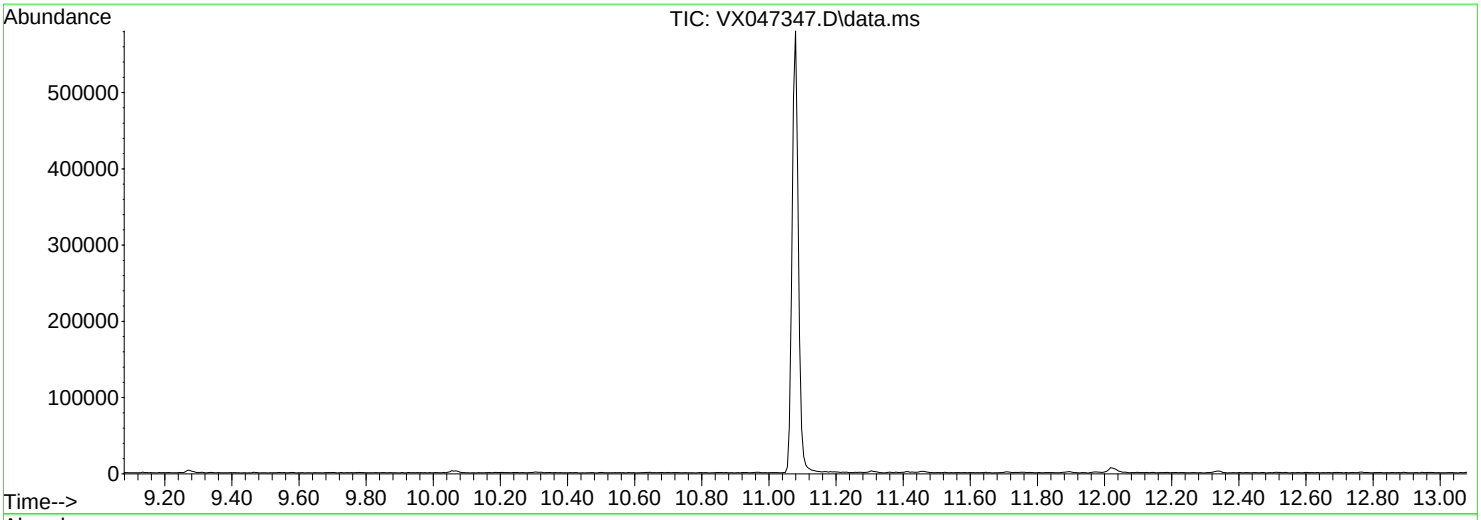
Sample Results: **VX047347.D**

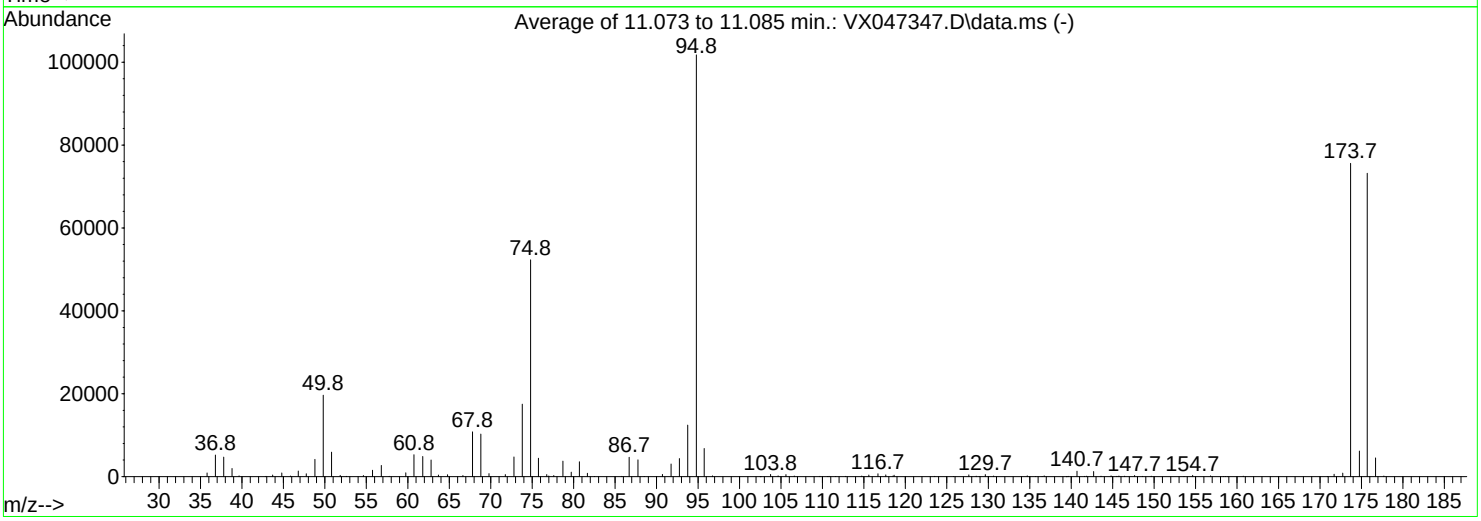
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047347.D
Acq On : 15 Aug 2025 08:28
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260
Last Update : Mon Aug 18 04:18:28 2025





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.3	19650	PASS
75	95	30	60	51.4	52320	PASS
95	95	100	100	100.0	101773	PASS
96	95	5	9	6.7	6795	PASS
173	174	0.00	2	1.1	867	PASS
174	95	50	100	74.3	75603	PASS
175	174	5	9	8.2	6186	PASS
176	174	95	101	96.8	73213	PASS
177	176	5	9	6.2	4510	PASS

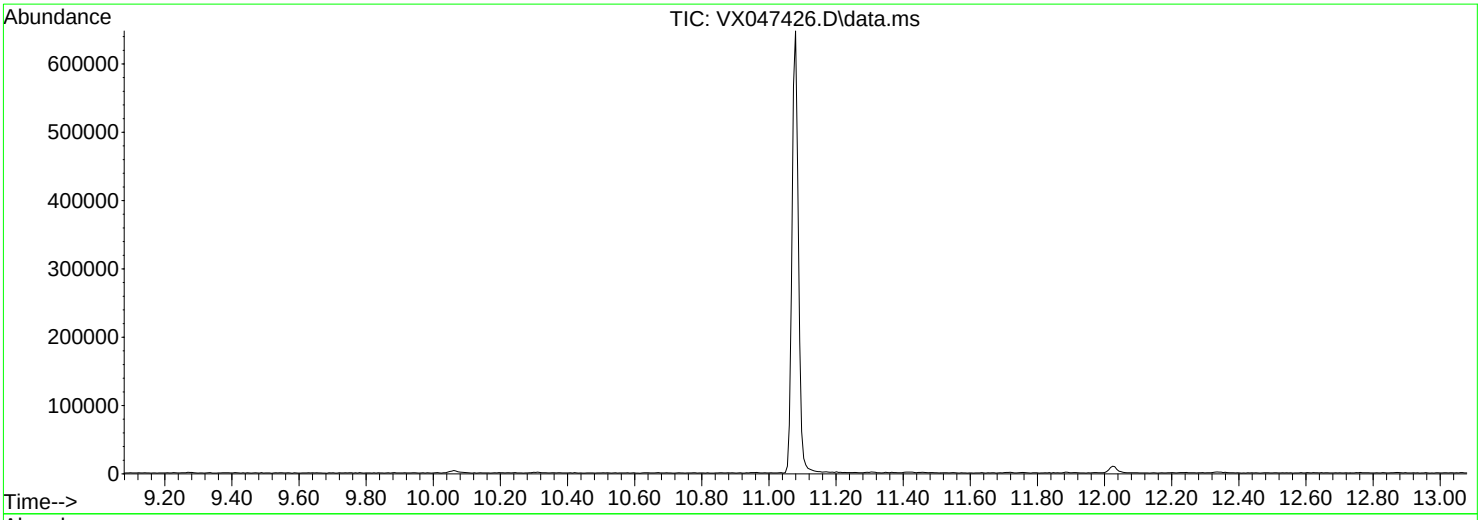
Sample Results: **VX047426.D**

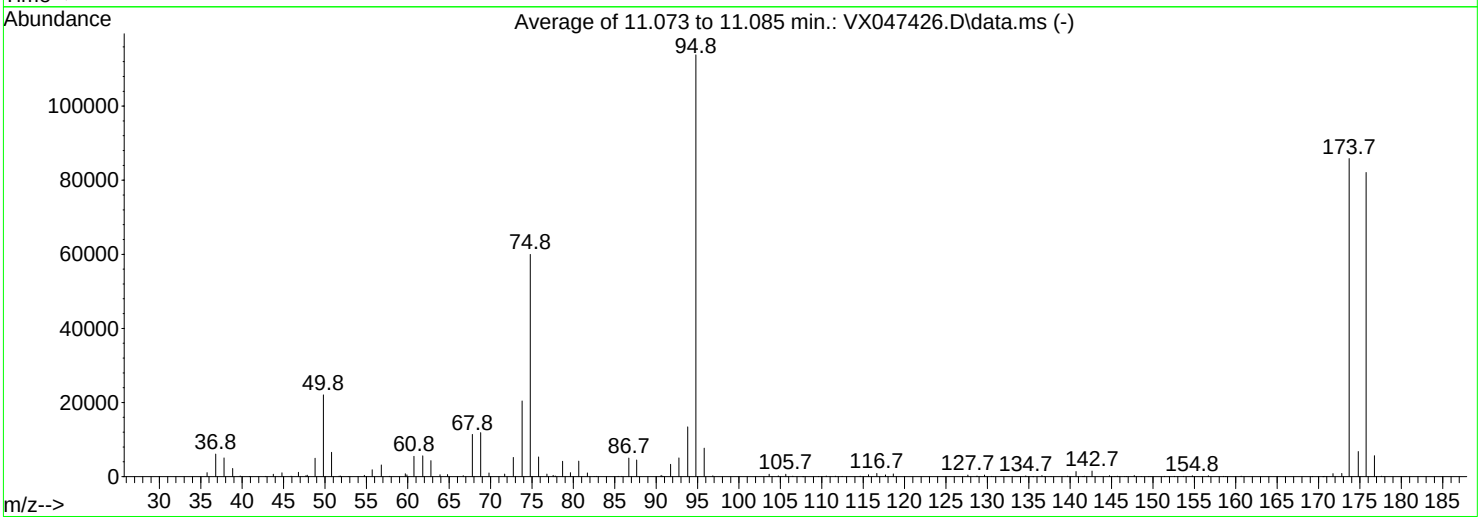
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047426.D
Acq On : 20 Aug 2025 07:50
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260
Last Update : Mon Aug 18 04:18:28 2025





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1631

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.4	22083	PASS
75	95	30	60	52.7	59984	PASS
95	95	100	100	100.0	113832	PASS
96	95	5	9	6.7	7668	PASS
173	174	0.00	2	1.0	862	PASS
174	95	50	100	75.4	85840	PASS
175	174	5	9	7.9	6779	PASS
176	174	95	101	95.6	82077	PASS
177	176	5	9	6.9	5652	PASS

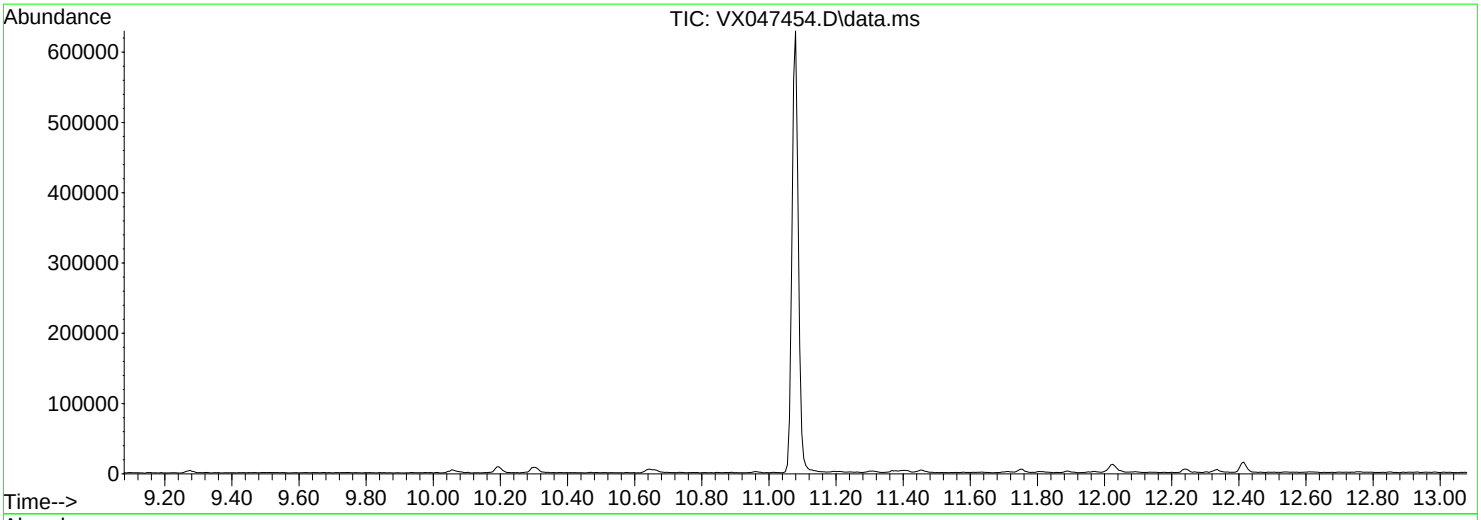
Sample Results: **VX047454.D**

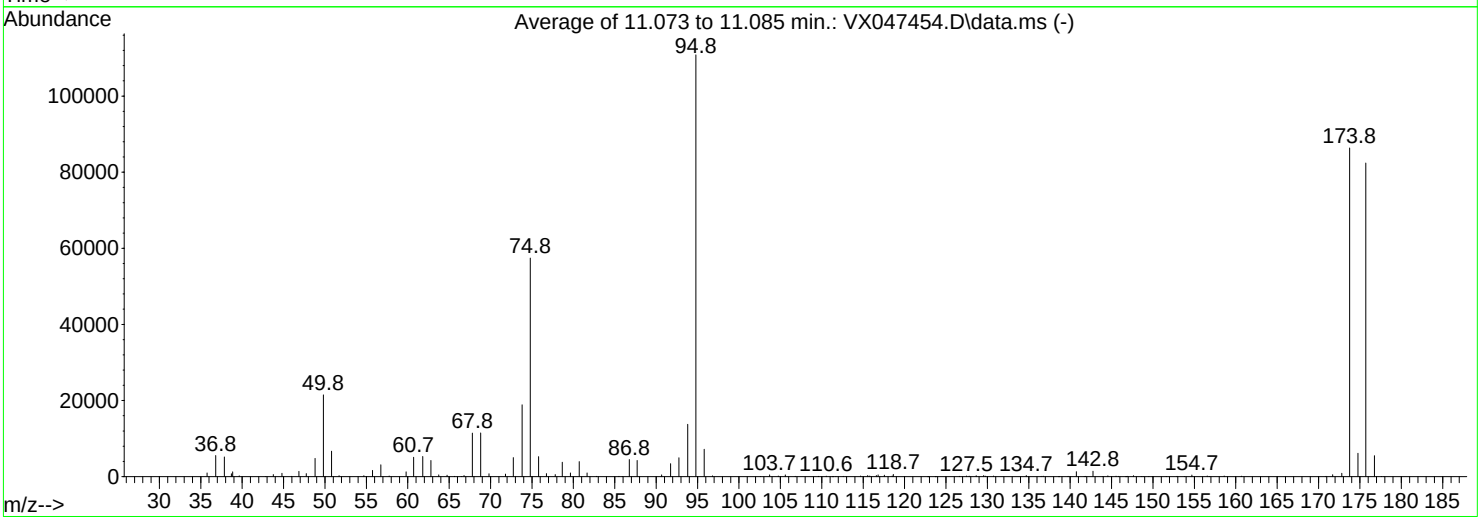
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047454.D
Acq On : 21 Aug 2025 07:58
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260
Last Update : Mon Aug 18 04:18:28 2025





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.4	21493	PASS
75	95	30	60	51.8	57413	PASS
95	95	100	100	100.0	110837	PASS
96	95	5	9	6.5	7187	PASS
173	174	0.00	2	1.0	873	PASS
174	95	50	100	77.9	86360	PASS
175	174	5	9	7.1	6128	PASS
176	174	95	101	95.4	82403	PASS
177	176	5	9	6.7	5524	PASS

Raw Data: **VX047429.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:	VX0820WBL01	SDG No.:	Q2900
Lab Sample ID:	VX0820WBL01	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
VX047429.D	1	08/20/25 10:07	VX082025

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:	VX0820WBL01	SDG No.:	Q2900
Lab Sample ID:	VX0820WBL01	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
VX047429.D	1	08/20/25 10:07	VX082025

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	57.9		74 - 125	116%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	50.7		86 - 113	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.9		77 - 121	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	281000	5.568			
540-36-3	1,4-Difluorobenzene	575000	6.769			
3114-55-4	Chlorobenzene-d5	561000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	280000	12.018			

Raw Data: **VX047429.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:	VX0820WBL01	SDG No.:	Q2900
Lab Sample ID:	VX0820WBL01	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
VX047429.D	1	08/20/25 10:07	VX082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047429.D
Acq On : 20 Aug 2025 10:07
Operator : JC/MD
Sample : VX0820WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBL01

Quant Time: Aug 21 01:26:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

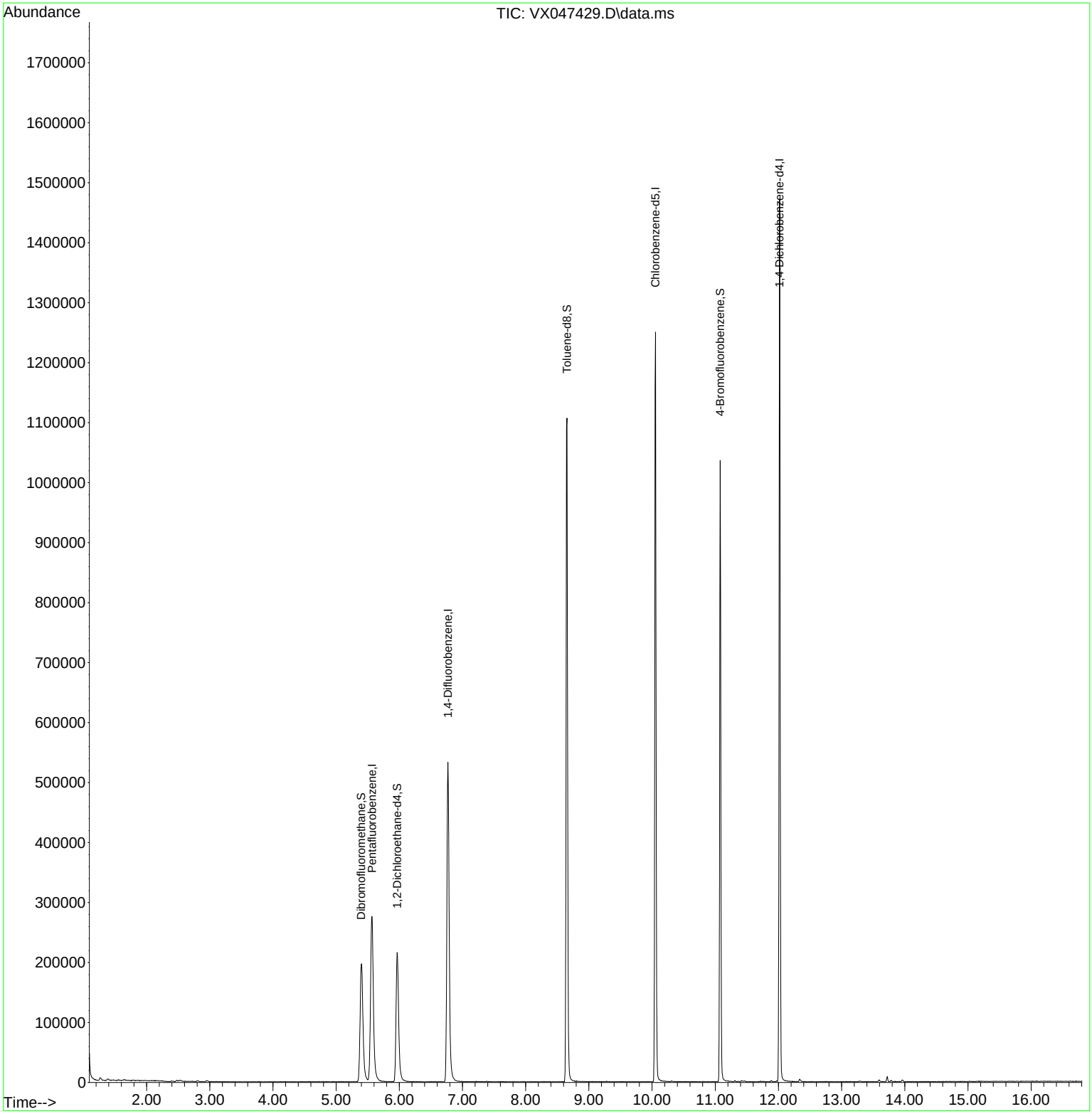
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	280589	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	574542	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	560929	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	279679	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	227227	57.864	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.720%			
35) Dibromofluoromethane	5.397	113	191362	51.320	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.640%			
50) Toluene-d8	8.653	98	676059	50.725	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.460%			
62) 4-Bromofluorobenzene	11.079	95	274800	55.874	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.740%			
Target Compounds						Qvalue

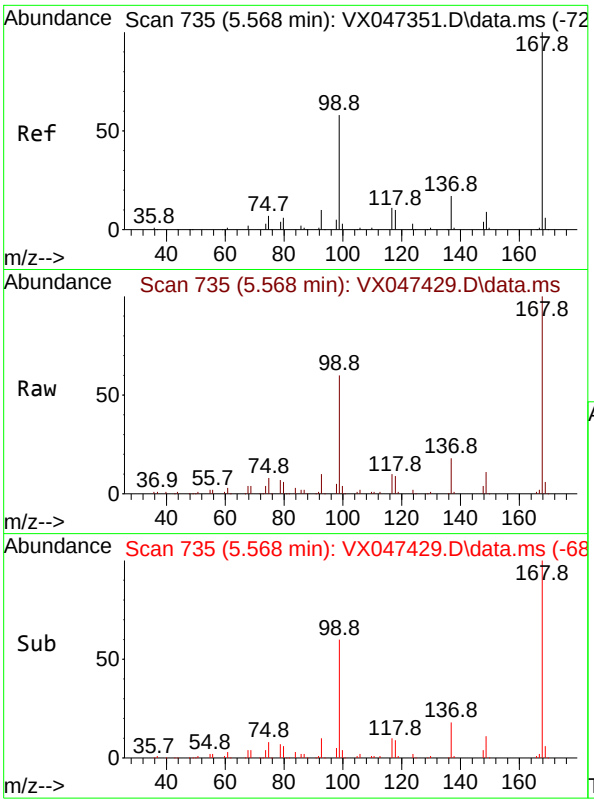
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047429.D
Acq On : 20 Aug 2025 10:07
Operator : JC/MD
Sample : VX0820WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBL01

Quant Time: Aug 21 01:26:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



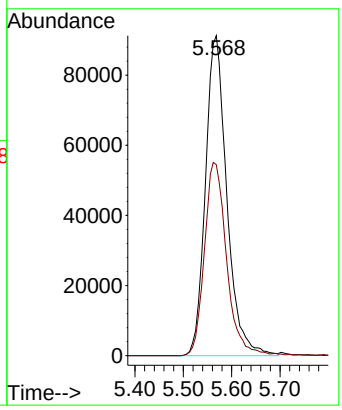


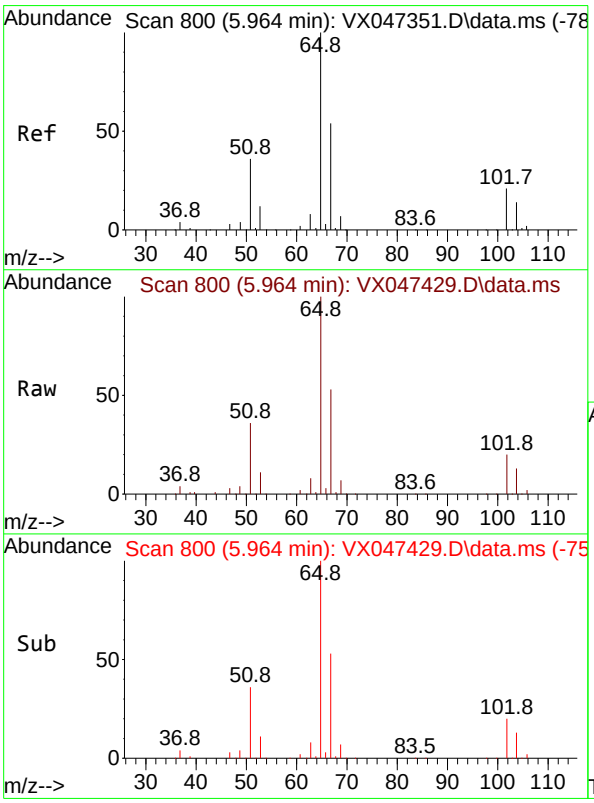
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBL01

Tgt Ion:168 Resp: 280589

Ion	Ratio	Lower	Upper
168	100		
99	59.7	47.9	71.9

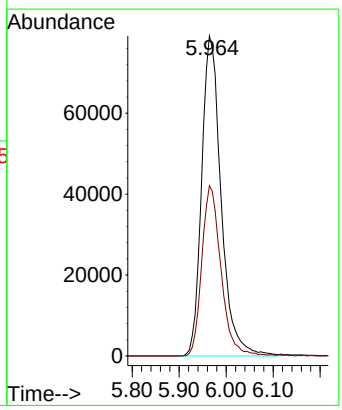


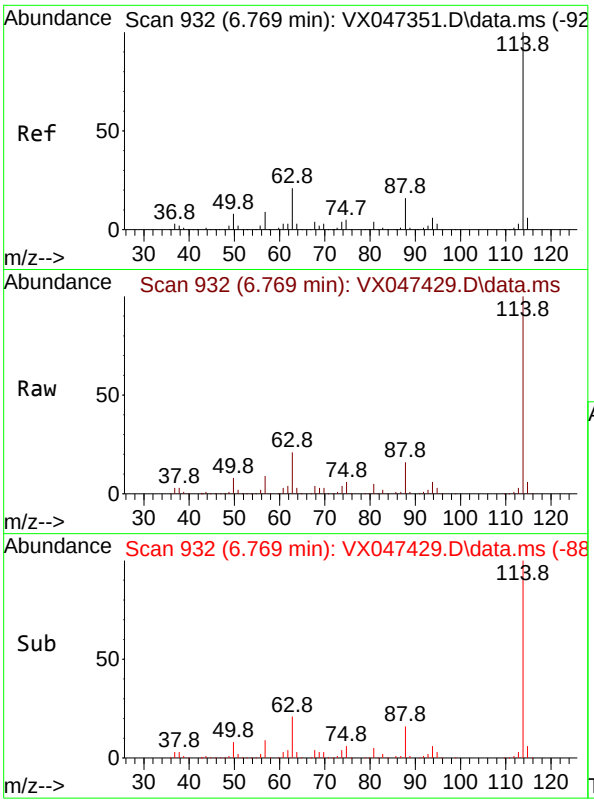


#33
1,2-Dichloroethane-d4
Concen: 57.864 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

Tgt Ion: 65 Resp: 227227

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	106.0



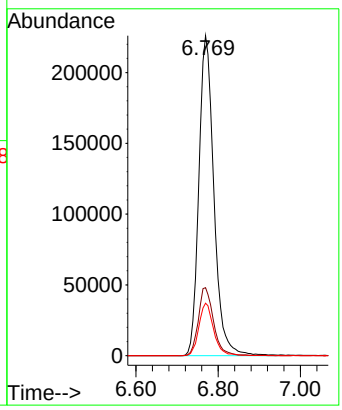


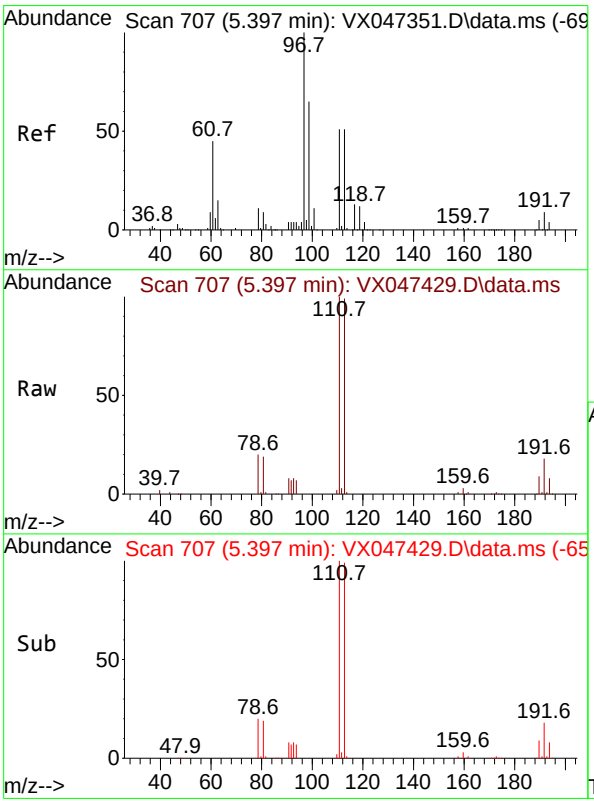
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBL01

Tgt Ion:114 Resp: 574542

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	42.4
88	16.4	0.0	33.0

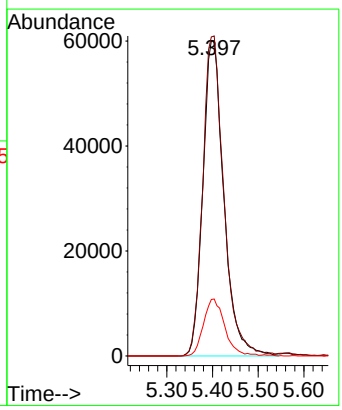


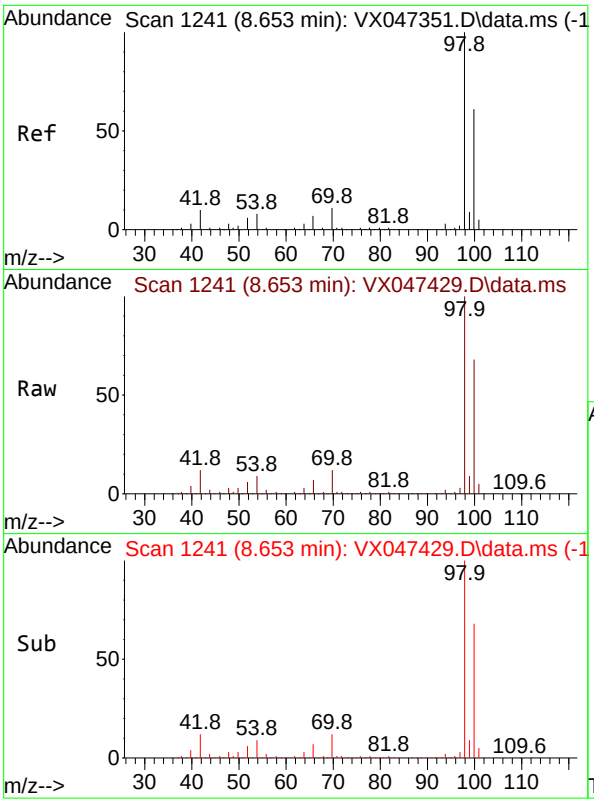


#35
Dibromofluoromethane
Concen: 51.320 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

Tgt Ion:113 Resp: 191362

Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.4	122.2
192	18.3	14.1	21.1



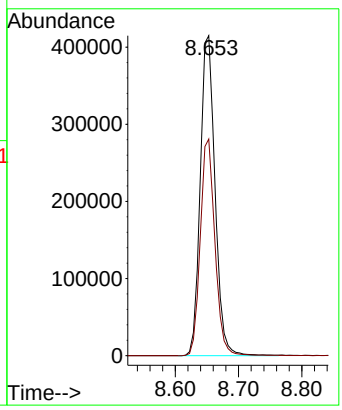


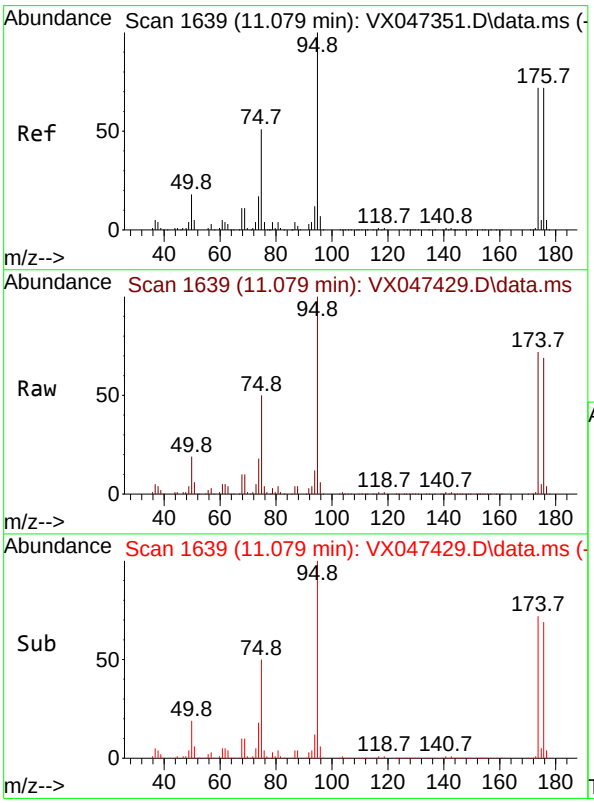
#50
Toluene-d8
Concen: 50.725 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBL01

Tgt Ion: 98 Resp: 676059

Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.9	80.9

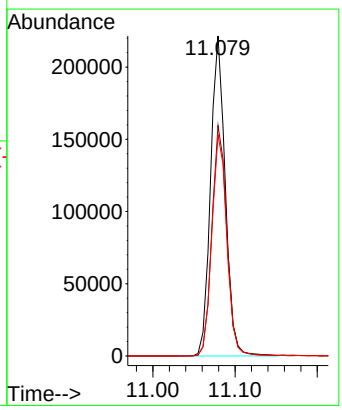


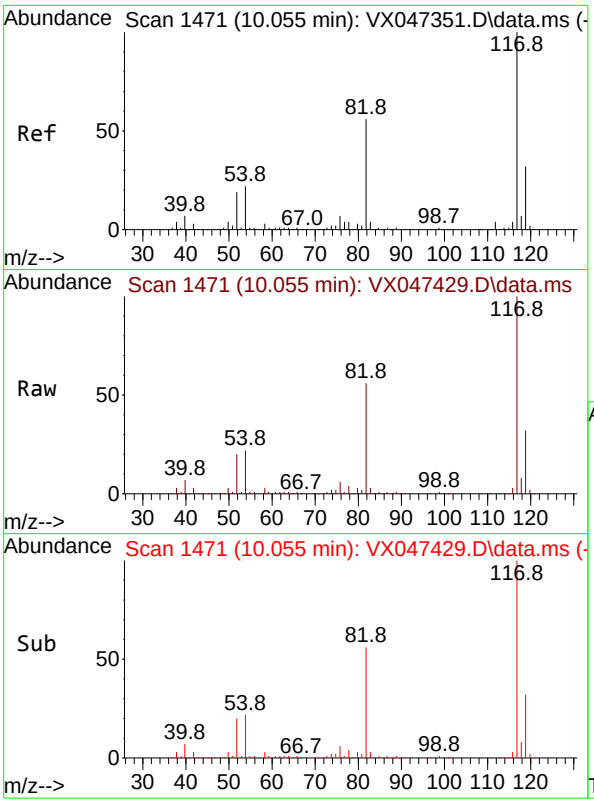


#62
4-Bromofluorobenzene
Concen: 55.874 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

Tgt Ion: 95 Resp: 274800

Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	148.0
176	70.4	0.0	145.4



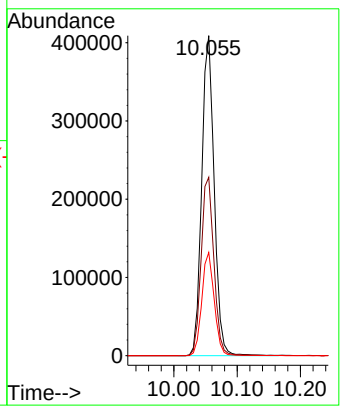


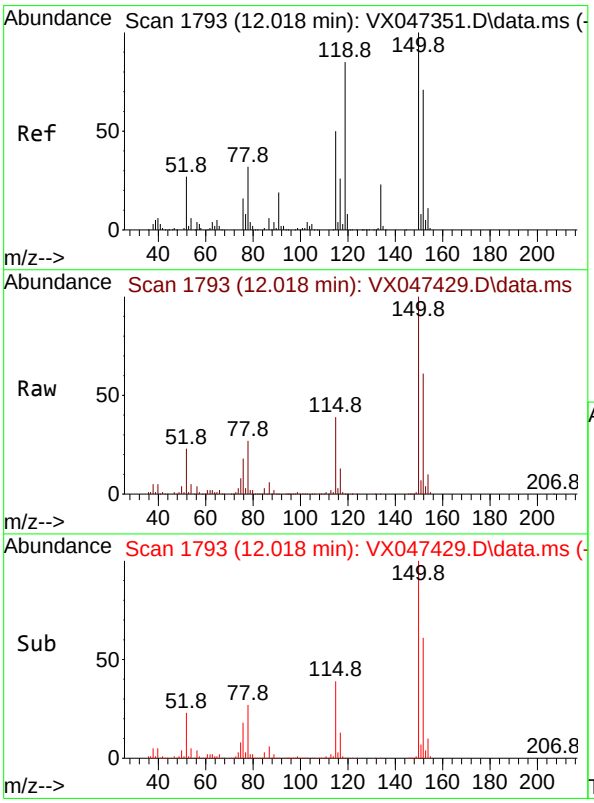
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBL01

Tgt Ion:117 Resp: 560929

Ion	Ratio	Lower	Upper
117	100		
82	55.8	45.0	67.4
119	32.2	25.8	38.8

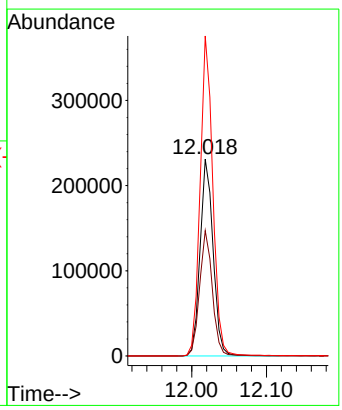




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

Tgt Ion:152 Resp: 279679

Ion	Ratio	Lower	Upper
152	100		
115	62.5	44.6	133.8
150	157.8	0.0	349.8



Sample Results: **VX047429.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047429.D
Acq On : 20 Aug 2025 10:07
Operator : JC/MD
Sample : VX0820WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047429.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.403	697	708	724	rBV3	196500	627596	34.30%	6.212%
2	5.568	724	735	756	rVB	274014	863104	47.17%	8.543%
3	5.964	791	800	827	rBV	215735	624085	34.11%	6.177%
4	6.769	922	932	957	rBV	532924	1361007	74.39%	13.471%
5	8.653	1234	1241	1259	rBV	1106923	1829617	100.00%	18.110%
6	10.055	1465	1471	1486	rBV	1249724	1750028	95.65%	17.322%
7	11.079	1634	1639	1657	rBV	1035804	1305595	71.36%	12.923%
8	12.018	1788	1793	1808	rBV	1471391	1741968	95.21%	17.242%

Sum of corrected areas: 10103000

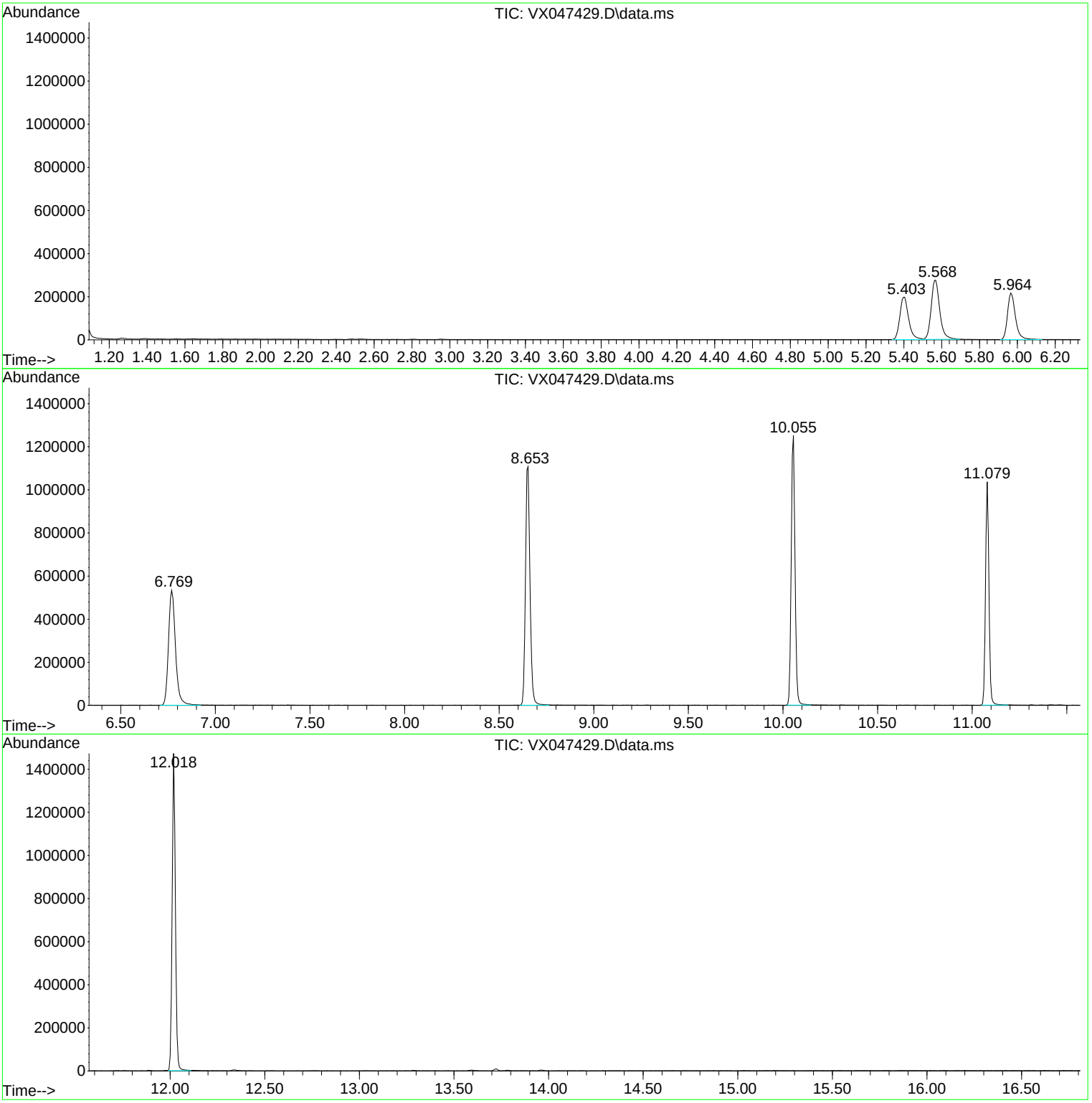
Sample Results: **VX047429.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047429.D
Acq On : 20 Aug 2025 10:07
Operator : JC/MD
Sample : VX0820WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX047429.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047429.D
Acq On : 20 Aug 2025 10:07
Operator : JC/MD
Sample : VX0820WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047429.D
Acq On : 20 Aug 2025 10:07
Operator : JC/MD
Sample : VX0820WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.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: **VX047457.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:	VX0821WBL01	SDG No.:	Q2900
Lab Sample ID:	VX0821WBL01	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
VX047457.D	1	08/21/25 10:24	VX082125

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:	VX0821WBL01	SDG No.:	Q2900
Lab Sample ID:	VX0821WBL01	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
VX047457.D	1	08/21/25 10:24	VX082125

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	57.4		74 - 125	115%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		75 - 124	98%	SPK: 50
2037-26-5	Toluene-d8	48.7		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.6		77 - 121	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	217000	5.562			
540-36-3	1,4-Difluorobenzene	446000	6.769			
3114-55-4	Chlorobenzene-d5	448000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	232000	12.018			

Raw Data: **VX047457.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:	VX0821WBL01	SDG No.:	Q2900
Lab Sample ID:	VX0821WBL01	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
VX047457.D	1	08/21/25 10:24	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047457.D
Acq On : 21 Aug 2025 10:24
Operator : JC/MD
Sample : VX0821WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

Quant Time: Aug 22 03:39:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

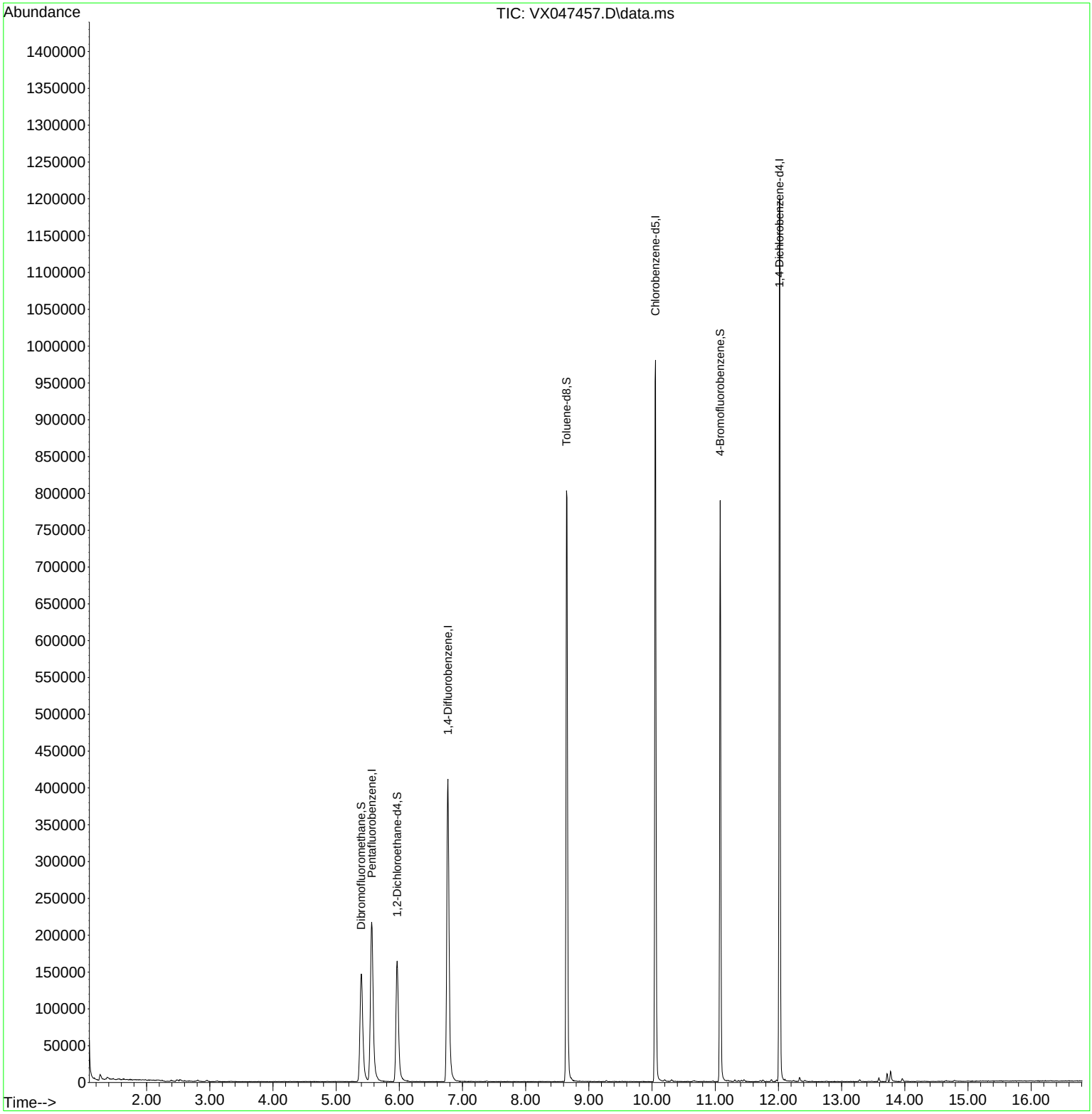
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	216518	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	445927	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	448054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	231897	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	173844	57.370	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.740%			
35) Dibromofluoromethane	5.397	113	141661	48.948	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.900%			
50) Toluene-d8	8.647	98	503800	48.703	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.400%			
62) 4-Bromofluorobenzene	11.079	95	212116	55.568	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.140%			
Target Compounds						Qvalue

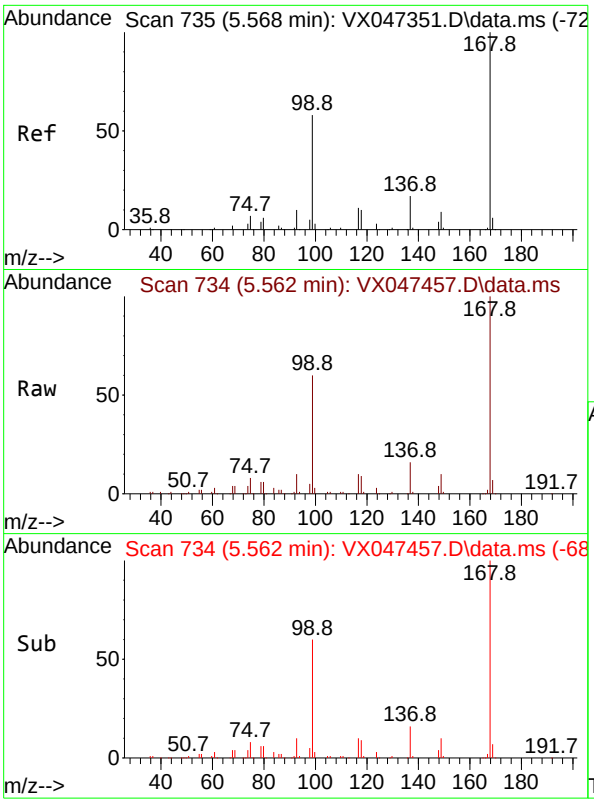
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047457.D
Acq On : 21 Aug 2025 10:24
Operator : JC/MD
Sample : VX0821WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

Quant Time: Aug 22 03:39:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



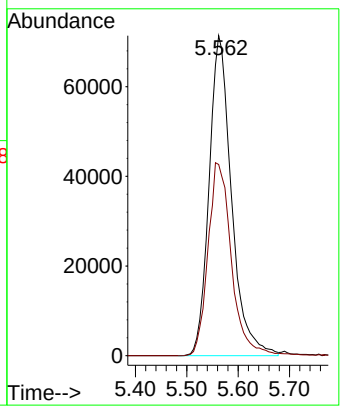


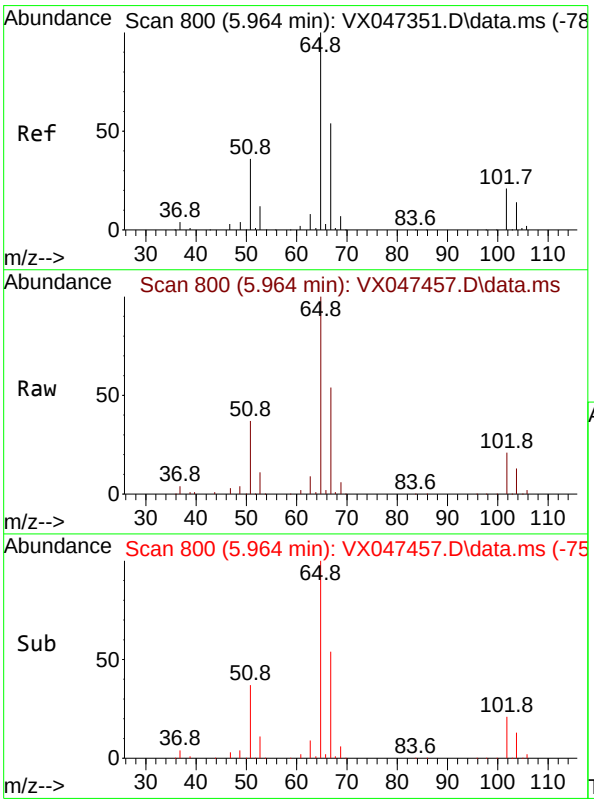
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

Tgt Ion:168 Resp: 216518

Ion	Ratio	Lower	Upper
168	100		
99	59.8	47.9	71.9

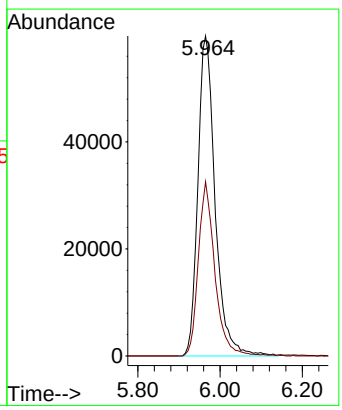


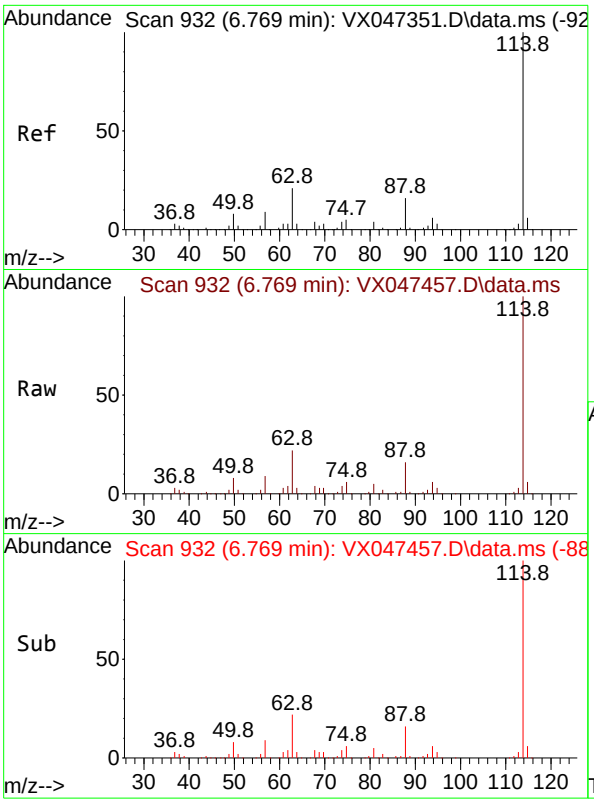


#33
1,2-Dichloroethane-d4
Concen: 57.370 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

Tgt Ion: 65 Resp: 173844

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.0



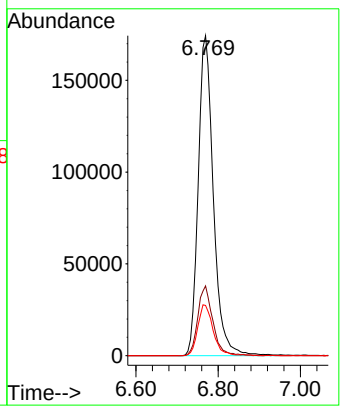


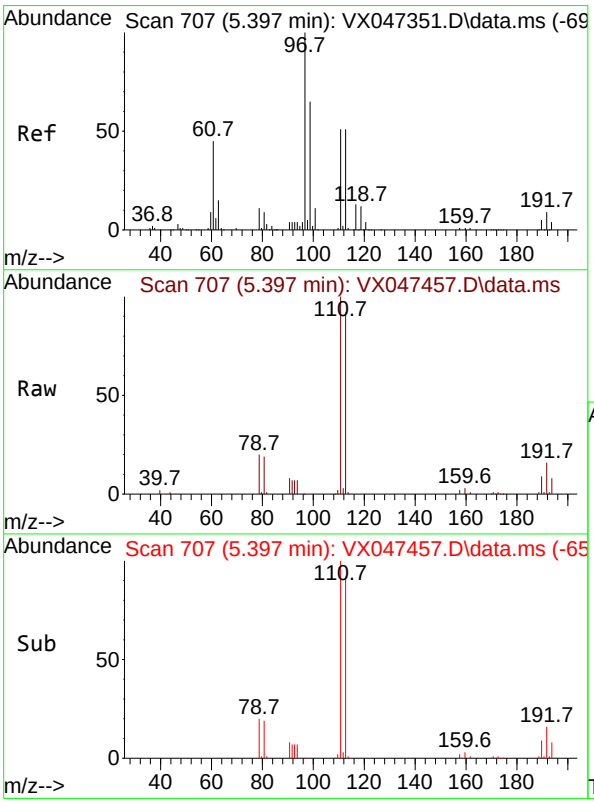
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

Tgt Ion:114 Resp: 445927

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	42.4
88	15.7	0.0	33.0

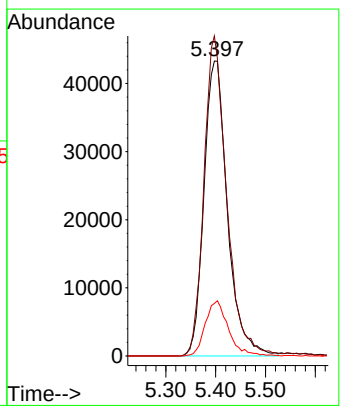


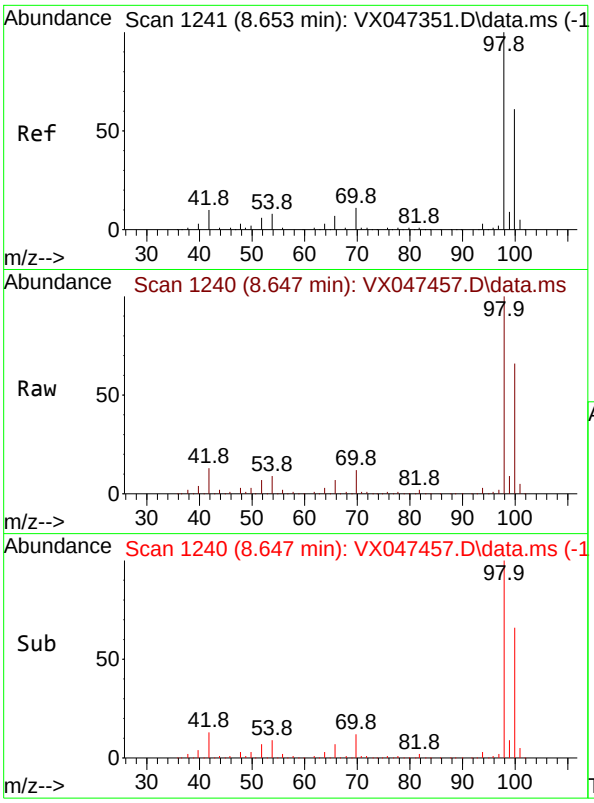


#35
Dibromofluoromethane
Concen: 48.948 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

Tgt Ion:113 Resp: 141661

Ion	Ratio	Lower	Upper
113	100		
111	104.7	81.4	122.2
192	18.4	14.1	21.1



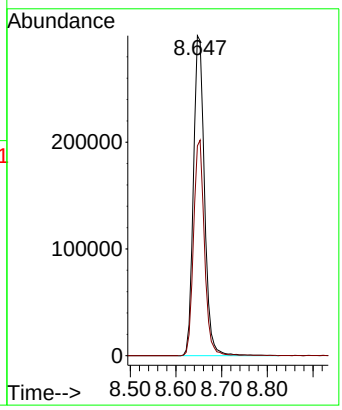


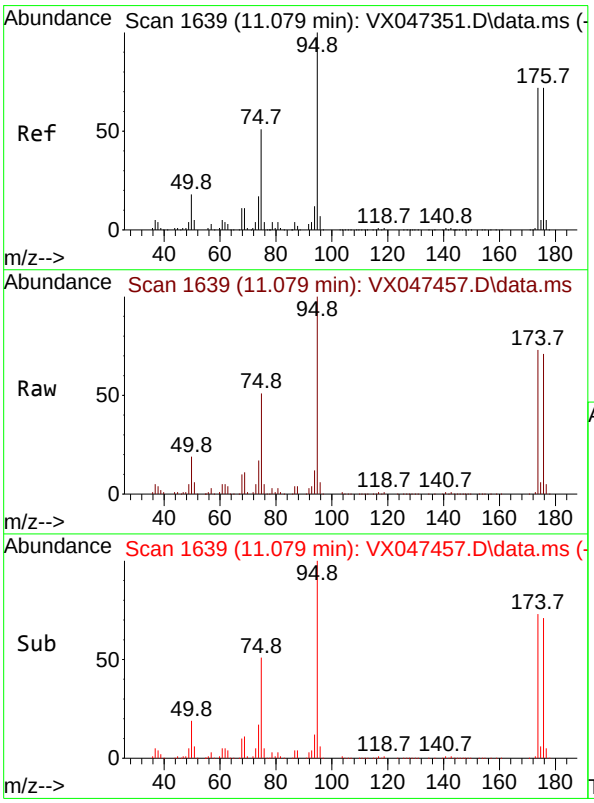
#50
Toluene-d8
Concen: 48.703 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

Tgt Ion: 98 Resp: 503800

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.9	80.9

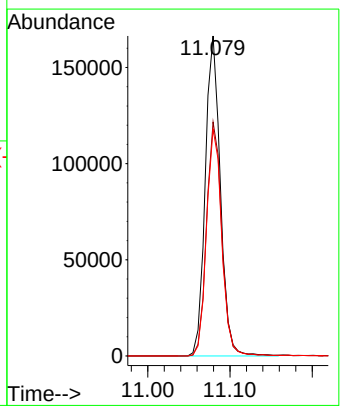


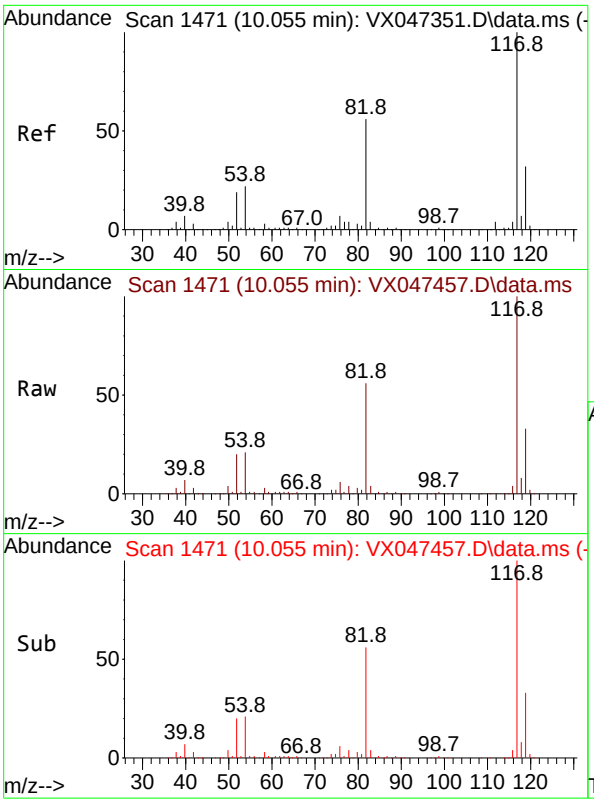


#62
4-Bromofluorobenzene
Concen: 55.568 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

Tgt Ion: 95 Resp: 212116

Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	148.0
176	71.7	0.0	145.4



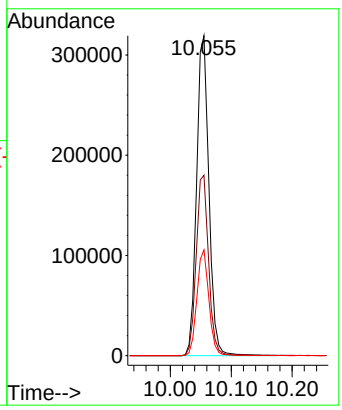


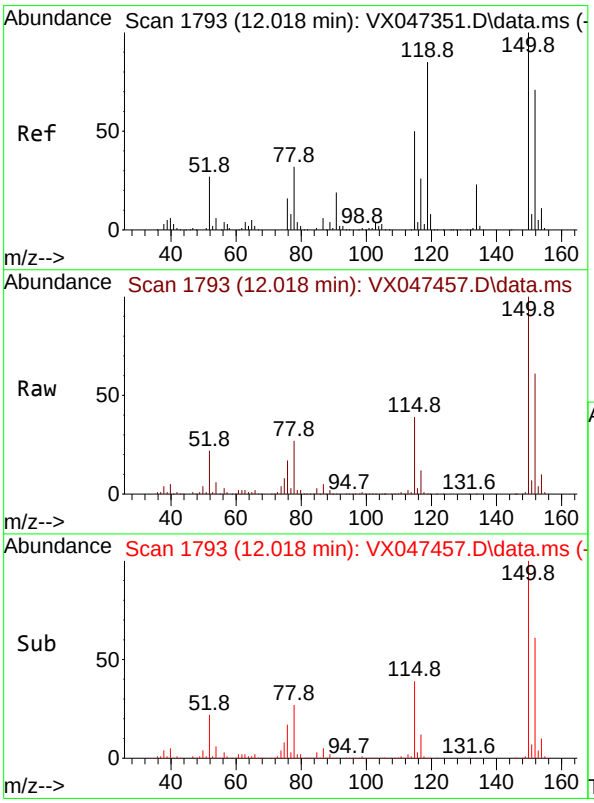
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

Tgt Ion:117 Resp: 448054

Ion	Ratio	Lower	Upper
117	100		
82	56.4	45.0	67.4
119	33.1	25.8	38.8

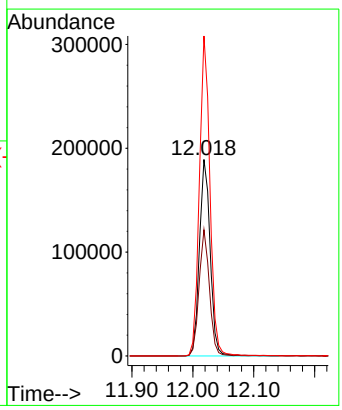




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

Tgt Ion:152 Resp: 231897

Ion	Ratio	Lower	Upper
152	100		
115	62.1	44.6	133.8
150	159.9	0.0	349.8



Sample Results: **VX047457.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047457.D
Acq On : 21 Aug 2025 10:24
Operator : JC/MD
Sample : VX0821WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047457.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	% max.	% of total
1	1.264	25	29	35	rBV	7526	14866	1.03%	0.188%
2	5.397	696	707	724	rBV2	146305	466332	32.29%	5.900%
3	5.562	724	734	753	rVB2	214883	661461	45.80%	8.369%
4	5.964	790	800	821	rBV2	163984	473674	32.80%	5.993%
5	6.769	920	932	955	rBV	410913	1052663	72.89%	13.319%
6	8.647	1234	1240	1260	rBV	802424	1355807	93.88%	17.154%
7	10.055	1465	1471	1489	rBV	979592	1395726	96.65%	17.659%
8	11.079	1633	1639	1652	rBV	789349	1015571	70.32%	12.850%
9	12.018	1788	1793	1806	rBV	1197854	1444162	100.00%	18.272%
10	13.774	2076	2081	2090	rBV	14186	23296	1.61%	0.295%

Sum of corrected areas: 7903558

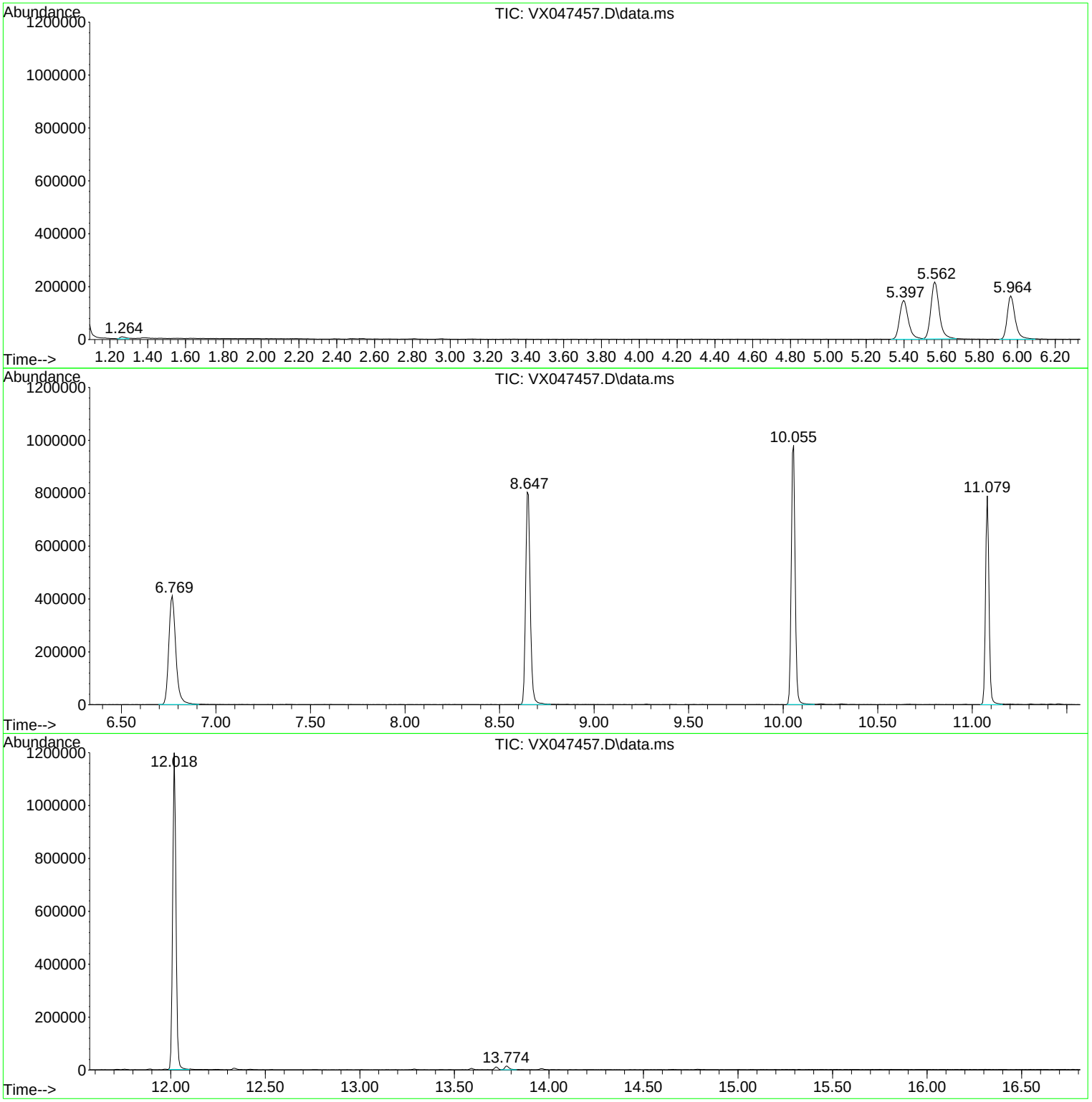
Sample Results: **VX047457.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047457.D
Acq On : 21 Aug 2025 10:24
Operator : JC/MD
Sample : VX0821WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX047457.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047457.D
Acq On : 21 Aug 2025 10:24
Operator : JC/MD
Sample : VX0821WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047457.D
Acq On : 21 Aug 2025 10:24
Operator : JC/MD
Sample : VX0821WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.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: **VX047430.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:	VX0820WBS01	SDG No.:	Q2900
Lab Sample ID:	VX0820WBS01	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
VX047430.D	1	08/20/25 10:35	VX082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.2		0.22	1.00	ug/L
74-87-3	Chloromethane	16.6		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	16.1		0.26	1.00	ug/L
74-83-9	Bromomethane	16.7		1.40	5.00	ug/L
75-00-3	Chloroethane	15.8		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	17.1		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	17.8		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	16.8		0.23	1.00	ug/L
67-64-1	Acetone	89.6		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	15.5		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.0		0.16	1.00	ug/L
79-20-9	Methyl Acetate	18.7		0.27	1.00	ug/L
75-09-2	Methylene Chloride	17.2		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	16.7		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.2		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.0		1.50	5.00	ug/L
78-93-3	2-Butanone	93.1		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	17.5		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.1		0.19	1.00	ug/L
74-97-5	Bromochloromethane	19.9		0.22	1.00	ug/L
67-66-3	Chloroform	17.4		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.2		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	17.1		0.16	1.00	ug/L
71-43-2	Benzene	17.6		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	17.6		0.22	1.00	ug/L
79-01-6	Trichloroethene	17.2		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	17.3		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	17.5		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	93.5		0.68	5.00	ug/L
108-88-3	Toluene	18.0		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:	VX0820WBS01	SDG No.:	Q2900
Lab Sample ID:	VX0820WBS01	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
VX047430.D	1	08/20/25 10:35	VX082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	17.6		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	17.4		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.1		0.21	1.00	ug/L
591-78-6	2-Hexanone	91.6		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	17.7		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	17.4		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	17.2		0.23	1.00	ug/L
108-90-7	Chlorobenzene	17.3		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	17.6		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	35.8		0.24	2.00	ug/L
95-47-6	o-Xylene	17.9		0.12	1.00	ug/L
100-42-5	Styrene	18.0		0.15	1.00	ug/L
75-25-2	Bromoform	17.6		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	17.3		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.6		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	16.9		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.0		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.2		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.5		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	16.3		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	16.9		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.0		74 - 125	98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	49.2		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		77 - 121	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	245000	5.556			
540-36-3	1,4-Difluorobenzene	408000	6.763			
3114-55-4	Chlorobenzene-d5	368000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	189000	12.018			

Raw Data: **VX047430.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:	VX0820WBS01	SDG No.:	Q2900
Lab Sample ID:	VX0820WBS01	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
VX047430.D	1	08/20/25 10:35	VX082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047430.D
Acq On : 20 Aug 2025 10:35
Operator : JC/MD
Sample : VX0820WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 01:26:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	244648	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	407608	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	368354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	188940	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	167819	49.014	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 98.020%			
35) Dibromofluoromethane	5.391	113	131872	49.849	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.700%			
50) Toluene-d8	8.647	98	465580	49.239	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.480%			
62) 4-Bromofluorobenzene	11.079	95	175075	50.176	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.360%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	53608	17.189	ug/l	99
3) Chloromethane	1.313	50	46690	16.642	ug/l	98
4) Vinyl Chloride	1.392	62	56657	16.089	ug/l	98
5) Bromomethane	1.630	94	23724	16.679	ug/l	97
6) Chloroethane	1.703	64	34003	15.782	ug/l	97
7) Trichlorofluoromethane	1.904	101	88810	17.050	ug/l	92
8) Diethyl Ether	2.148	74	30454	16.605	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.349	101	53855	17.824	ug/l	99
10) Methyl Iodide	2.471	142	60929	11.767	ug/l	96
11) Tert butyl alcohol	2.959	59	28713	96.397	ug/l	99
12) 1,1-Dichloroethene	2.337	96	51780	16.810	ug/l	100
13) Acrolein	2.246	56	55598	88.423	ug/l	97
14) Allyl chloride	2.678	41	88985	16.632	ug/l	100
15) Acrylonitrile	3.081	53	129142	89.724	ug/l	100
16) Acetone	2.386	43	115342	89.622	ug/l	96
17) Carbon Disulfide	2.526	76	143721	15.462	ug/l	98
18) Methyl Acetate	2.715	43	62524	18.747	ug/l	98
19) Methyl tert-butyl Ether	3.124	73	159152	16.984	ug/l	98
20) Methylene Chloride	2.800	84	58590	17.192	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	54587	16.697	ug/l	98
22) Diisopropyl ether	3.770	45	186733	17.657	ug/l	91
23) Vinyl Acetate	3.733	43	739375	85.298	ug/l	100
24) 1,1-Dichloroethane	3.623	63	102911	17.216	ug/l	99
25) 2-Butanone	4.568	43	156985	93.136	ug/l	100
26) 2,2-Dichloropropane	4.483	77	77655	17.212	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	64958	17.059	ug/l	98
28) Bromochloromethane	4.904	49	49457	19.883	ug/l #	14
29) Tetrahydrofuran	5.020	42	100323	92.088	ug/l	98
30) Chloroform	5.105	83	106236	17.414	ug/l	97
31) Cyclohexane	5.483	56	93514	16.971	ug/l	100
32) 1,1,1-Trichloroethane	5.391	97	90227	17.183	ug/l	98
36) 1,1-Dichloropropene	5.696	75	72507	17.363	ug/l	98
37) Ethyl Acetate	4.721	43	69374	16.002	ug/l #	96
38) Carbon Tetrachloride	5.690	117	80032	17.538	ug/l	97
39) Methylcyclohexane	7.385	83	89125	17.110	ug/l	94
40) Benzene	6.050	78	220365	17.630	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047430.D
Acq On : 20 Aug 2025 10:35
Operator : JC/MD
Sample : VX0820WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 01:26:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.940	41	32344	17.692	ug/l		93
42) 1,2-Dichloroethane	6.099	62	77919	17.599	ug/l		99
43) Isopropyl Acetate	6.349	43	110163	17.688	ug/l		99
44) Trichloroethene	7.135	130	54954	17.170	ug/l		99
45) 1,2-Dichloropropane	7.434	63	54273	17.332	ug/l		100
46) Dibromomethane	7.586	93	40698	17.902	ug/l		98
47) Bromodichloromethane	7.824	83	82328	17.469	ug/l		100
48) Methyl methacrylate	7.696	41	56854	17.587	ug/l		97
49) 1,4-Dioxane	7.690	88	11406	362.941	ug/l		93
51) 4-Methyl-2-Pentanone	8.574	43	335125	93.506	ug/l		98
52) Toluene	8.720	92	138882	17.981	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	72403	17.602	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	81220	17.445	ug/l		97
55) 1,1,2-Trichloroethane	9.153	97	53137	18.120	ug/l		96
56) Ethyl methacrylate	9.116	69	75185	17.389	ug/l		99
57) 1,3-Dichloropropane	9.305	76	89328	17.876	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.245	63	187096	95.949	ug/l		98
59) 2-Hexanone	9.433	43	226987	91.559	ug/l		99
60) Dibromochloromethane	9.519	129	61655	17.691	ug/l		98
61) 1,2-Dibromoethane	9.610	107	52535	17.373	ug/l		100
64) Tetrachloroethene	9.275	164	45932	17.239	ug/l		97
65) Chlorobenzene	10.080	112	151755	17.336	ug/l		96
66) 1,1,1,2-Tetrachloroethane	10.159	131	52523	17.750	ug/l		98
67) Ethyl Benzene	10.195	91	264573	17.561	ug/l		98
68) m/p-Xylenes	10.299	106	200944	35.769	ug/l		99
69) o-Xylene	10.640	106	97003	17.943	ug/l		96
70) Styrene	10.653	104	164340	17.991	ug/l		100
71) Bromoform	10.799	173	39163	17.617	ug/l	#	99
73) Isopropylbenzene	10.964	105	256220	17.329	ug/l		99
74) N-amyl acetate	10.842	43	93750	16.697	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	76376	17.594	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	60088m	17.340	ug/l		
77) Bromobenzene	11.195	156	62108	17.202	ug/l		98
78) n-propylbenzene	11.305	91	305865	17.321	ug/l		100
79) 2-Chlorotoluene	11.360	91	181694	17.021	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	210710	17.321	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	10400	18.858	ug/l		96
82) 4-Chlorotoluene	11.451	91	216515	17.207	ug/l		99
83) tert-Butylbenzene	11.713	119	211697	17.442	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	213463	17.547	ug/l		99
85) sec-Butylbenzene	11.890	105	268675	17.860	ug/l		100
86) p-Isopropyltoluene	12.006	119	225219	17.692	ug/l		99
87) 1,3-Dichlorobenzene	11.970	146	116436	16.881	ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	120251	16.951	ug/l		99
89) n-Butylbenzene	12.329	91	208015	17.569	ug/l		99
90) Hexachloroethane	12.536	117	37901	16.972	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	112636	17.205	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	14705	17.516	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	71685	16.333	ug/l		99
94) Hexachlorobutadiene	13.719	225	27248	17.442	ug/l		98
95) Naphthalene	13.774	128	212701	16.959	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	70071	16.938	ug/l		100

Sample Results: **VX047430.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047430.D
Acq On : 20 Aug 2025 10:35
Operator : JC/MD
Sample : VX0820WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 01:26:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

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

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

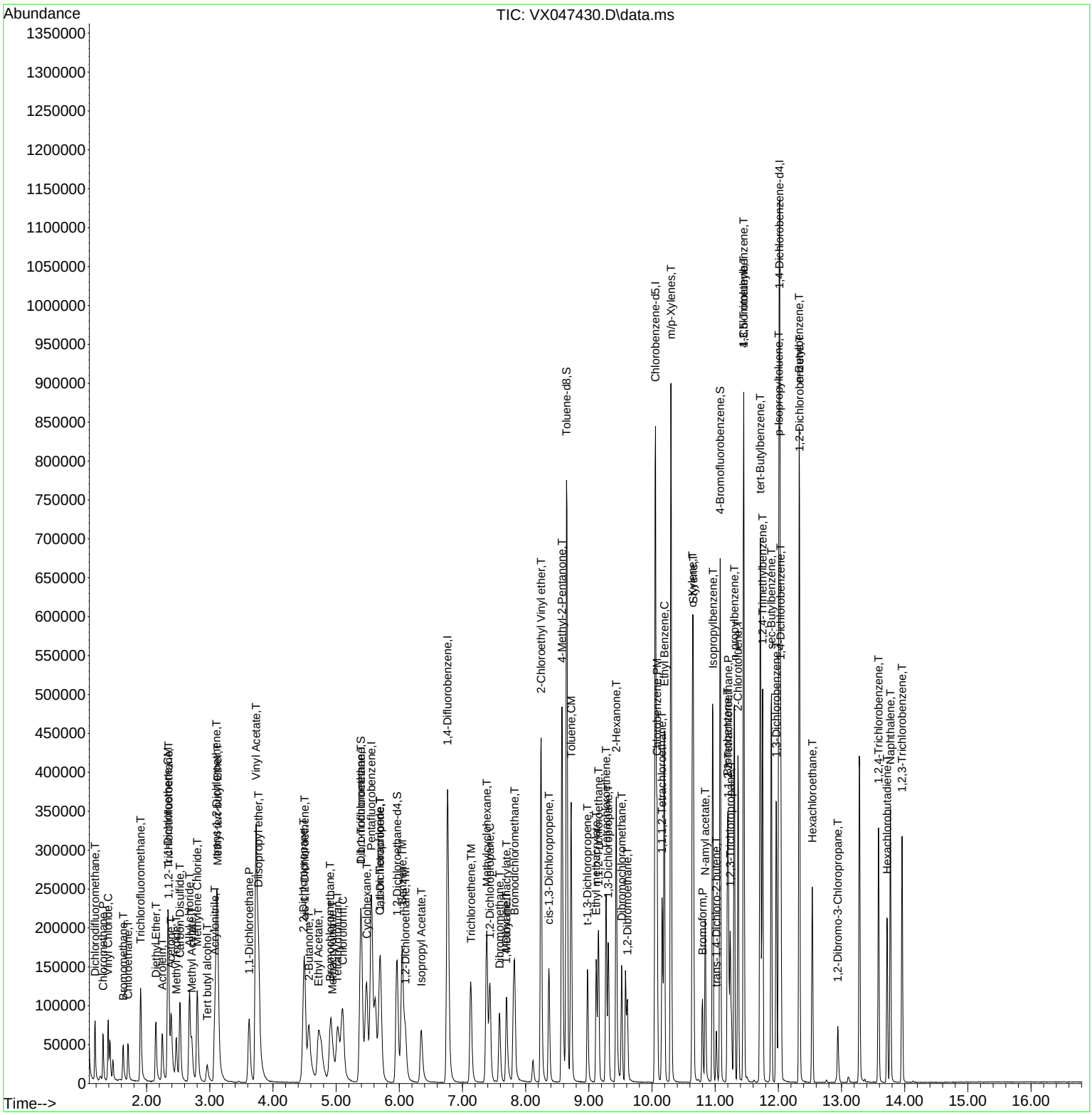
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047430.D
Acq On : 20 Aug 2025 10:35
Operator : JC/MD
Sample : VX0820WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 01:26:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025



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:	VX0821WBS02	SDG No.:	Q2900
Lab Sample ID:	VX0821WBS02	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
VX047467.D	1	08/21/25 14:07	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.6		0.22	1.00	ug/L
74-87-3	Chloromethane	19.6		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	19.3		0.26	1.00	ug/L
74-83-9	Bromomethane	20.0		1.40	5.00	ug/L
75-00-3	Chloroethane	20.6		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.5		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.7		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.0		0.23	1.00	ug/L
67-64-1	Acetone	100		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	17.9		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	22.2		0.16	1.00	ug/L
79-20-9	Methyl Acetate	24.1		0.27	1.00	ug/L
75-09-2	Methylene Chloride	22.0		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.6		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	21.8		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.7		1.50	5.00	ug/L
78-93-3	2-Butanone	120		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.5		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	21.9		0.19	1.00	ug/L
74-97-5	Bromochloromethane	24.6		0.22	1.00	ug/L
67-66-3	Chloroform	22.6		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.6		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	17.7		0.16	1.00	ug/L
71-43-2	Benzene	20.6		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.5		0.22	1.00	ug/L
79-01-6	Trichloroethene	20.1		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.1		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	20.8		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L
108-88-3	Toluene	21.0		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:	VX0821WBS02	SDG No.:	Q2900
Lab Sample ID:	VX0821WBS02	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
VX047467.D	1	08/21/25 14:07	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.9		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.1		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.9		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	21.3		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.0		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	18.2		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.9		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.7		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	40.2		0.24	2.00	ug/L
95-47-6	o-Xylene	20.5		0.12	1.00	ug/L
100-42-5	Styrene	20.8		0.15	1.00	ug/L
75-25-2	Bromoform	20.5		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	18.9		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.0		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.8		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.5		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.2		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.2		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.2		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.3		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.3		74 - 125	115%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	50.2		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.6		77 - 121	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	220000	5.562			
540-36-3	1,4-Difluorobenzene	396000	6.769			
3114-55-4	Chlorobenzene-d5	371000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	193000	12.018			

Raw Data: **VX047467.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:	VX0821WBS02	SDG No.:	Q2900
Lab Sample ID:	VX0821WBS02	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
VX047467.D	1	08/21/25 14:07	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047467.D
Acq On : 21 Aug 2025 14:07
Operator : JC/MD
Sample : VX0821WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 22 03:46:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS02

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	219757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	395822	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	370697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	193487	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	176124	57.266	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.540%			
35) Dibromofluoromethane	5.397	113	132673	51.645	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.300%			
50) Toluene-d8	8.653	98	460935	50.200	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.400%			
62) 4-Bromofluorobenzene	11.079	95	188500	55.632	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.260%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	52136	18.611	ug/l	96
3) Chloromethane	1.313	50	49473	19.631	ug/l	99
4) Vinyl Chloride	1.392	62	61123	19.324	ug/l	100
5) Bromomethane	1.630	94	25522	19.976	ug/l	97
6) Chloroethane	1.709	64	39889	20.611	ug/l	100
7) Trichlorofluoromethane	1.904	101	91456	19.547	ug/l	99
8) Diethyl Ether	2.148	74	36285	22.025	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.349	101	53527	19.722	ug/l	98
10) Methyl Iodide	2.471	142	67680	14.551	ug/l	99
11) Tert butyl alcohol	2.959	59	30845	115.284	ug/l	99
12) 1,1-Dichloroethene	2.337	96	55363	20.009	ug/l	98
13) Acrolein	2.251	56	59011	104.481	ug/l	98
14) Allyl chloride	2.678	41	99967	20.801	ug/l	99
15) Acrylonitrile	3.081	53	143612	111.079	ug/l	99
16) Acetone	2.392	43	118906	102.856	ug/l	96
17) Carbon Disulfide	2.526	76	149558	17.912	ug/l	100
18) Methyl Acetate	2.715	43	72122	24.075	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	186862	22.199	ug/l	99
20) Methylene Chloride	2.806	84	67266	21.974	ug/l	94
21) trans-1,2-Dichloroethene	3.105	96	60380	20.560	ug/l	98
22) Diisopropyl ether	3.769	45	221856	23.355	ug/l	85
23) Vinyl Acetate	3.733	43	864017	110.968	ug/l	100
24) 1,1-Dichloroethane	3.623	63	117074	21.804	ug/l	98
25) 2-Butanone	4.574	43	178447	117.861	ug/l	99
26) 2,2-Dichloropropane	4.495	77	80184	19.786	ug/l	100
27) cis-1,2-Dichloroethene	4.507	96	74958	21.915	ug/l	98
28) Bromochloromethane	4.916	49	55023	24.626	ug/l	100
29) Tetrahydrofuran	5.031	42	108635	111.012	ug/l	98
30) Chloroform	5.105	83	123736	22.580	ug/l	94
31) Cyclohexane	5.483	56	97308	19.660	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	97000	20.565	ug/l	98
36) 1,1-Dichloropropene	5.708	75	80408	19.828	ug/l	99
37) Ethyl Acetate	4.727	43	77407	18.387	ug/l	98
38) Carbon Tetrachloride	5.696	117	86344	19.484	ug/l	95
39) Methylcyclohexane	7.385	83	89674	17.728	ug/l	90
40) Benzene	6.050	78	250369	20.627	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047467.D
Acq On : 21 Aug 2025 14:07
Operator : JC/MD
Sample : VX0821WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 22 03:46:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS02

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.940	41	40042	22.555	ug/l		92
42) 1,2-Dichloroethane	6.098	62	92470	21.507	ug/l		100
43) Isopropyl Acetate	6.348	43	125855	20.809	ug/l		100
44) Trichloroethene	7.135	130	62561	20.129	ug/l		99
45) 1,2-Dichloropropane	7.433	63	64285	21.141	ug/l		100
46) Dibromomethane	7.586	93	45974	20.825	ug/l		99
47) Bromodichloromethane	7.824	83	95100	20.779	ug/l		100
48) Methyl methacrylate	7.696	41	66527	21.192	ug/l		97
49) 1,4-Dioxane	7.690	88	11979	392.523	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	381590	109.641	ug/l		97
52) Toluene	8.720	92	157838	21.044	ug/l		100
53) t-1,3-Dichloropropene	8.982	75	83536	20.914	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	95182	21.053	ug/l		97
55) 1,1,2-Trichloroethane	9.153	97	62404	21.913	ug/l		99
56) Ethyl methacrylate	9.116	69	89883	21.408	ug/l		98
57) 1,3-Dichloropropane	9.311	76	106790	22.007	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.244	63	184544	97.327	ug/l		99
59) 2-Hexanone	9.433	43	254945	105.899	ug/l		100
60) Dibromochloromethane	9.518	129	71992	21.272	ug/l		99
61) 1,2-Dibromoethane	9.610	107	61680	21.004	ug/l		99
64) Tetrachloroethene	9.275	164	48854	18.220	ug/l		95
65) Chlorobenzene	10.079	112	175397	19.911	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.165	131	60389	20.279	ug/l		98
67) Ethyl Benzene	10.195	91	298088	19.660	ug/l		98
68) m/p-Xylenes	10.299	106	227285	40.202	ug/l		99
69) o-Xylene	10.640	106	111463	20.487	ug/l		98
70) Styrene	10.652	104	191132	20.792	ug/l		100
71) Bromoform	10.799	173	45830	20.486	ug/l	#	97
73) Isopropylbenzene	10.963	105	285672	18.867	ug/l		100
74) N-amyl acetate	10.841	43	109541	19.051	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	88882	19.993	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	68907m	19.417	ug/l		
77) Bromobenzene	11.195	156	71647	19.378	ug/l		99
78) n-propylbenzene	11.305	91	337183	18.646	ug/l		99
79) 2-Chlorotoluene	11.366	91	209103	19.128	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	235770	18.925	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	11188	19.413	ug/l		89
82) 4-Chlorotoluene	11.451	91	244430	18.969	ug/l		100
83) tert-Butylbenzene	11.713	119	235583	18.954	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	240110	19.273	ug/l		99
85) sec-Butylbenzene	11.890	105	288712	18.741	ug/l		100
86) p-Isopropyltoluene	12.006	119	244146	18.728	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	132909	18.817	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	134397	18.500	ug/l		98
89) n-Butylbenzene	12.329	91	222499	18.350	ug/l		99
90) Hexachloroethane	12.536	117	41201	18.016	ug/l		95
91) 1,2-Dichlorobenzene	12.335	146	128956	19.235	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	16504	19.197	ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	81841	18.209	ug/l		99
94) Hexachlorobutadiene	13.725	225	27303	17.066	ug/l		97
95) Naphthalene	13.774	128	261329	20.346	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	77394	18.268	ug/l		100

Sample Results: **VX047467.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047467.D
Acq On : 21 Aug 2025 14:07
Operator : JC/MD
Sample : VX0821WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS02

Manual Integrations APPROVED

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

Quant Time: Aug 22 03:46:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

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

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

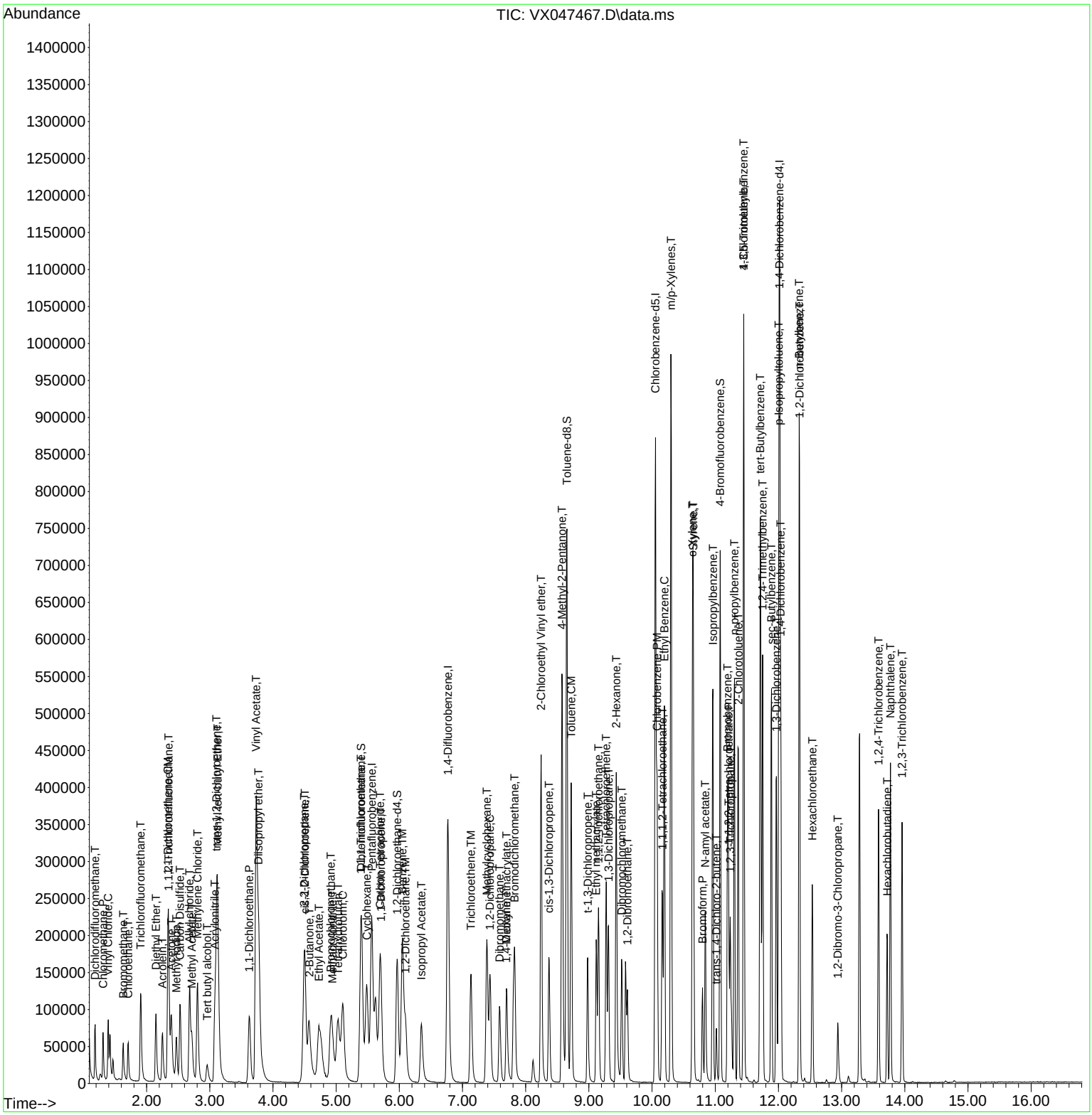
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047467.D
Acq On : 21 Aug 2025 14:07
Operator : JC/MD
Sample : VX0821WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 22 03:46:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS02

Manual Integrations APPROVED

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



Raw Data: **VX047431.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:	VX0820WBSD01	SDG No.:	Q2900
Lab Sample ID:	VX0820WBSD01	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
VX047431.D	1	08/20/25 11:06	VX082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	16.4		0.22	1.00	ug/L
74-87-3	Chloromethane	16.9		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	16.3		0.26	1.00	ug/L
74-83-9	Bromomethane	17.3		1.40	5.00	ug/L
75-00-3	Chloroethane	16.5		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	16.6		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	17.5		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	16.3		0.23	1.00	ug/L
67-64-1	Acetone	88.6		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	15.5		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.9		0.16	1.00	ug/L
79-20-9	Methyl Acetate	19.9		0.27	1.00	ug/L
75-09-2	Methylene Chloride	17.6		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	16.5		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.6		0.23	1.00	ug/L
110-82-7	Cyclohexane	16.5		1.50	5.00	ug/L
78-93-3	2-Butanone	99.5		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	17.1		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.2		0.19	1.00	ug/L
74-97-5	Bromochloromethane	20.5		0.22	1.00	ug/L
67-66-3	Chloroform	18.0		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.3		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	16.6		0.16	1.00	ug/L
71-43-2	Benzene	17.9		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.2		0.22	1.00	ug/L
79-01-6	Trichloroethene	17.1		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	17.6		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	17.9		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	98.0		0.68	5.00	ug/L
108-88-3	Toluene	18.1		0.14	1.00	ug/L

Raw Data: **VX047431.D**

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	National Grid Equity - Brooklyn NY	Date Received:	
Client Sample ID:	VX0820WBSD01	SDG No.:	Q2900
Lab Sample ID:	VX0820WBSD01	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
VX047431.D	1	08/20/25 11:06	VX082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	17.8		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	17.8		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.9		0.21	1.00	ug/L
591-78-6	2-Hexanone	95.5		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	18.3		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.0		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	17.0		0.23	1.00	ug/L
108-90-7	Chlorobenzene	17.4		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	17.3		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	35.6		0.24	2.00	ug/L
95-47-6	o-Xylene	17.3		0.12	1.00	ug/L
100-42-5	Styrene	18.0		0.15	1.00	ug/L
75-25-2	Bromoform	18.1		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	16.9		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.0		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.2		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	16.6		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.5		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.5		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	16.6		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.4		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.0		74 - 125	102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	50.2		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.7		77 - 121	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	228000	5.556			
540-36-3	1,4-Difluorobenzene	384000	6.763			
3114-55-4	Chlorobenzene-d5	354000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	183000	12.018			

Raw Data: **VX047431.D**

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Report of Analysis

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Project:	National Grid Equity - Brooklyn NY	Date Received:	
Client Sample ID:	VX0820WBSD01	SDG No.:	Q2900
Lab Sample ID:	VX0820WBSD01	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
VX047431.D	1	08/20/25 11:06	VX082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047431.D
Acq On : 20 Aug 2025 11:06
Operator : JC/MD
Sample : VX0820WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 01:27:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	227988	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	384011	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	353527	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	182846	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	162719	50.997	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.000%			
35) Dibromofluoromethane	5.391	113	125723	50.445	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.900%			
50) Toluene-d8	8.647	98	446972	50.176	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.360%			
62) 4-Bromofluorobenzene	11.079	95	169991	51.712	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	47766	16.435	ug/l	96
3) Chloromethane	1.313	50	44193	16.903	ug/l	100
4) Vinyl Chloride	1.392	62	53564	16.323	ug/l	99
5) Bromomethane	1.630	94	22897	17.274	ug/l	93
6) Chloroethane	1.703	64	33153	16.512	ug/l	94
7) Trichlorofluoromethane	1.904	101	80790	16.644	ug/l	97
8) Diethyl Ether	2.148	74	30154	17.643	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.349	101	49180	17.466	ug/l	99
10) Methyl Iodide	2.471	142	62366	12.925	ug/l	98
11) Tert butyl alcohol	2.959	59	28284	101.896	ug/l	99
12) 1,1-Dichloroethene	2.337	96	46858	16.324	ug/l	96
13) Acrolein	2.251	56	55323	94.415	ug/l	99
14) Allyl chloride	2.678	41	85637	17.176	ug/l	95
15) Acrylonitrile	3.081	53	130185	97.058	ug/l	99
16) Acetone	2.392	43	106316	88.645	ug/l	99
17) Carbon Disulfide	2.526	76	134531	15.531	ug/l	99
18) Methyl Acetate	2.715	43	61940	19.929	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	156324	17.901	ug/l	99
20) Methylene Chloride	2.800	84	55948	17.617	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	50391	16.539	ug/l	95
22) Diisopropyl ether	3.769	45	181876	18.455	ug/l	94
23) Vinyl Acetate	3.733	43	729825	90.349	ug/l	100
24) 1,1-Dichloroethane	3.623	63	97939	17.582	ug/l	99
25) 2-Butanone	4.568	43	156361	99.545	ug/l	95
26) 2,2-Dichloropropane	4.483	77	69257	16.473	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	60972	17.182	ug/l	98
28) Bromochloromethane	4.903	49	47632	20.549	ug/l	97
29) Tetrahydrofuran	5.031	42	97222	95.762	ug/l	97
30) Chloroform	5.099	83	102109	17.961	ug/l	100
31) Cyclohexane	5.483	56	84781	16.510	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	84427	17.254	ug/l	98
36) 1,1-Dichloropropene	5.702	75	69369	17.632	ug/l	99
37) Ethyl Acetate	4.727	43	69988	17.136	ug/l	99
38) Carbon Tetrachloride	5.690	117	73703	17.143	ug/l	98
39) Methylcyclohexane	7.385	83	81477	16.603	ug/l	95
40) Benzene	6.043	78	210834	17.904	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047431.D
Acq On : 20 Aug 2025 11:06
Operator : JC/MD
Sample : VX0820WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 01:27:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.940	41	32225	18.710 ug/l		95
42) 1,2-Dichloroethane	6.092	62	75740	18.158 ug/l		98
43) Isopropyl Acetate	6.348	43	107083	18.250 ug/l		99
44) Trichloroethene	7.129	130	51689	17.142 ug/l		89
45) 1,2-Dichloropropane	7.433	63	51821	17.566 ug/l		94
46) Dibromomethane	7.586	93	38833	18.131 ug/l		99
47) Bromodichloromethane	7.824	83	79446	17.893 ug/l	#	97
48) Methyl methacrylate	7.696	41	55754	18.306 ug/l		97
49) 1,4-Dioxane	7.690	88	13278	448.471 ug/l		97
51) 4-Methyl-2-Pentanone	8.573	43	330877	97.994 ug/l		98
52) Toluene	8.720	92	131557	18.079 ug/l		98
53) t-1,3-Dichloropropene	8.976	75	69086	17.828 ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	78242	17.838 ug/l		96
55) 1,1,2-Trichloroethane	9.153	97	52294	18.928 ug/l		97
56) Ethyl methacrylate	9.116	69	74450	18.278 ug/l		98
57) 1,3-Dichloropropane	9.305	76	88113	18.717 ug/l		100
58) 2-Chloroethyl Vinyl ether	8.244	63	185370	100.474 ug/l		100
59) 2-Hexanone	9.433	43	223032	95.492 ug/l		100
60) Dibromochloromethane	9.518	129	60107	18.307 ug/l		100
61) 1,2-Dibromoethane	9.610	107	54038	18.968 ug/l		98
64) Tetrachloroethene	9.275	164	43565	17.037 ug/l		96
65) Chlorobenzene	10.079	112	146221	17.405 ug/l		96
66) 1,1,1,2-Tetrachloroethane	10.159	131	50211	17.680 ug/l		99
67) Ethyl Benzene	10.195	91	249927	17.284 ug/l		99
68) m/p-Xylenes	10.299	106	191975	35.606 ug/l		99
69) o-Xylene	10.640	106	89811	17.309 ug/l		99
70) Styrene	10.652	104	157756	17.994 ug/l		100
71) Bromoform	10.799	173	38527	18.058 ug/l	#	98
73) Isopropylbenzene	10.963	105	241936	16.908 ug/l		99
74) N-amyl acetate	10.841	43	93131	17.140 ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	75532	17.979 ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	58654m	17.490 ug/l		
77) Bromobenzene	11.195	156	59608	17.060 ug/l		98
78) n-propylbenzene	11.305	91	287881	16.846 ug/l		98
79) 2-Chlorotoluene	11.360	91	172746	16.722 ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	201744	17.136 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	9836	18.609 ug/l		94
82) 4-Chlorotoluene	11.451	91	205121	16.845 ug/l		99
83) tert-Butylbenzene	11.713	119	200091	17.036 ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	204454	17.366 ug/l		100
85) sec-Butylbenzene	11.890	105	254052	17.451 ug/l		99
86) p-Isopropyltoluene	12.006	119	212198	17.225 ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	114949	17.221 ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	113624	16.551 ug/l		97
89) n-Butylbenzene	12.329	91	196627	17.160 ug/l		99
90) Hexachloroethane	12.536	117	37123	17.177 ug/l		96
91) 1,2-Dichlorobenzene	12.335	146	110765	17.483 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	14196	17.473 ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	70584	16.618 ug/l		99
94) Hexachlorobutadiene	13.719	225	27444	18.153 ug/l		96
95) Naphthalene	13.774	128	209954	17.297 ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	69798	17.434 ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047431.D
Acq On : 20 Aug 2025 11:06
Operator : JC/MD
Sample : VX0820WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

Quant Time: Aug 21 01:27:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047431.D
Acq On : 20 Aug 2025 11:06
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Sample : VX0820WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 01:27:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBSD01

Manual Integrations APPROVED

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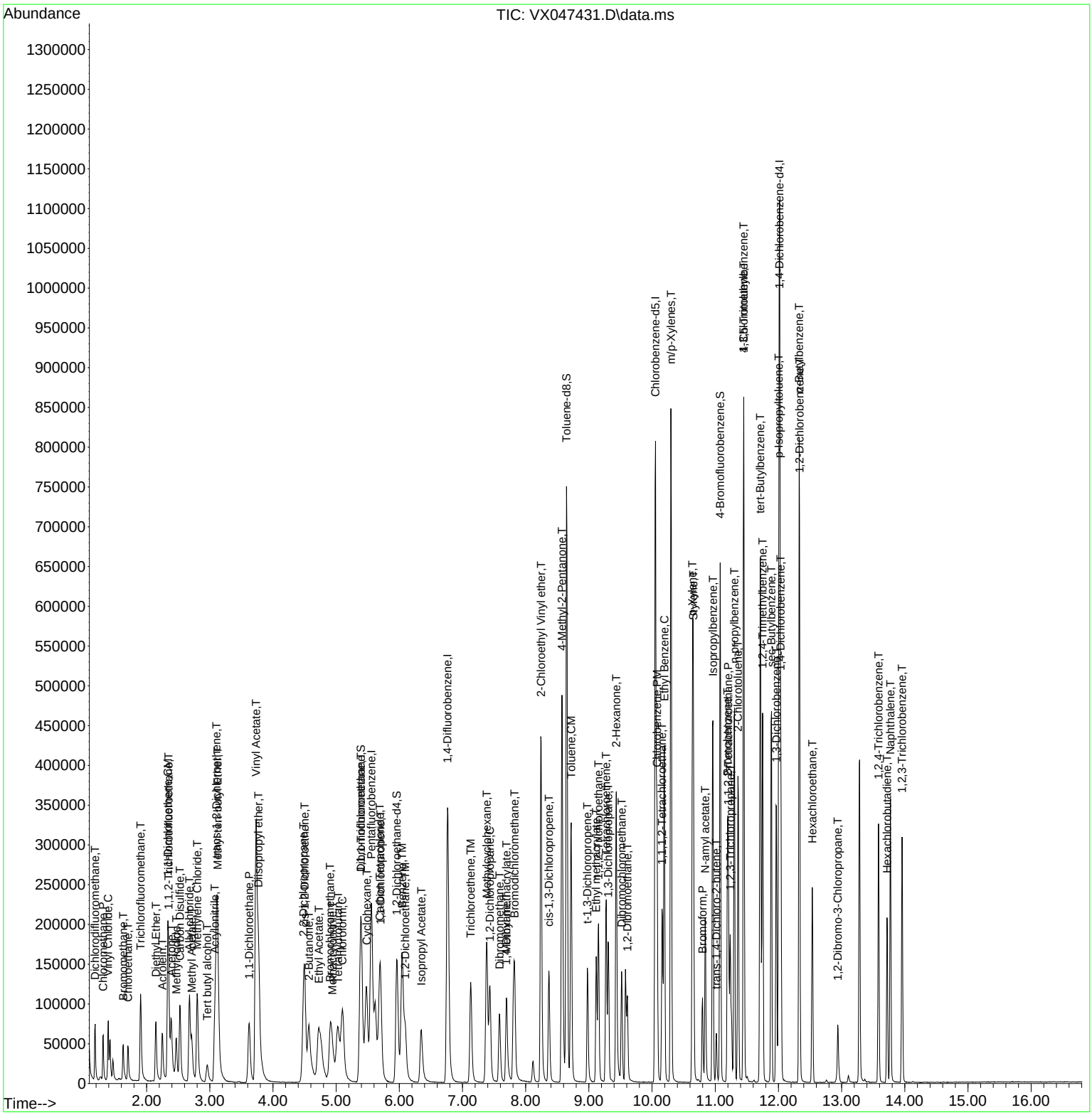

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	VX081525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VX047349.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:37:53 AM	MMDadoda	8/19/2025 1:41:03 AM	Peak Integrated by Software
VSTDICC005	VX047349.D	1,4-Dioxane	JOHN	8/18/2025 8:37:53 AM	MMDadoda	8/19/2025 1:41:03 AM	Peak Integrated by Software
VSTDICC005	VX047349.D	Tetrahydrofuran	JOHN	8/18/2025 8:37:53 AM	MMDadoda	8/19/2025 1:41:03 AM	Peak Integrated by Software
VSTDICC020	VX047350.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:37:58 AM	MMDadoda	8/19/2025 1:41:04 AM	Peak Integrated by Software
VSTDICC020	VX047350.D	1,4-Dioxane	JOHN	8/18/2025 8:37:58 AM	MMDadoda	8/19/2025 1:41:04 AM	Peak Integrated by Software
VSTDICCC050	VX047351.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:42:59 AM	MMDadoda	8/19/2025 1:41:07 AM	Peak Integrated by Software
VSTDICC100	VX047352.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:03 AM	MMDadoda	8/19/2025 1:41:08 AM	Peak Integrated by Software
VSTDICC150	VX047353.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:07 AM	MMDadoda	8/19/2025 1:41:10 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	1,4-Dichlorobenzene	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	1,4-Dioxane	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	Allyl chloride	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	Ethyl Acetate	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX081525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX047356.D	Methacrylonitrile	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	Methyl methacrylate	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	Tetrahydrofuran	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICV050	VX047357.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:25 AM	MMDadoda	8/19/2025 1:41:26 AM	Peak Integrated by Software
VSTDICV050	VX047357.D	1,4-Dioxane	JOHN	8/18/2025 8:43:25 AM	MMDadoda	8/19/2025 1:41:26 AM	Peak Integrated by Software
VSTDCCC050	VX047369.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:44 AM	MMDadoda	8/19/2025 1:41:35 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX082025	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX047427.D	1,2,3-Trichloropropane	JOHN	8/21/2025 8:44:58 AM	MMDadoda	8/22/2025 1:13:01 AM	Peak Integrated by Software
VX0820WBS01	VX047430.D	1,2,3-Trichloropropane	JOHN	8/21/2025 8:45:03 AM	MMDadoda	8/22/2025 1:13:04 AM	Peak Integrated by Software
VX0820WBSD01	VX047431.D	1,2,3-Trichloropropane	JOHN	8/21/2025 8:45:08 AM	MMDadoda	8/22/2025 1:13:06 AM	Peak Integrated by Software
Q2900-02	VX047444.D	Benzene	JOHN	8/21/2025 8:45:21 AM	MMDadoda	8/22/2025 1:13:09 AM	Peak Integrated by Software
Q2900-03	VX047445.D	Benzene	JOHN	8/21/2025 8:45:26 AM	MMDadoda	8/22/2025 1:13:11 AM	Peak Integrated by Software
VSTDCCC050	VX047453.D	1,2,3-Trichloropropane	JOHN	8/21/2025 8:45:42 AM	MMDadoda	8/22/2025 1:13:19 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	Vx082125	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX047455.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:18:39 AM	MMDadoda	8/22/2025 10:54:21 PM	Peak Integrated by Software
VX0821WBS02	VX047467.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:18:52 AM	MMDadoda	8/22/2025 10:54:29 PM	Peak Integrated by Software
VSTDCCC050	VX047482.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:19:36 AM	MMDadoda	8/22/2025 10:54:39 PM	Peak Integrated by Software

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:41:47 AM		
SubDirectory	VX081525	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135148
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158
CCC	VP135152
Internal Standard/PEM	
ICV/I.BLK	VP135159
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047347.D	15 Aug 2025 08:28	JC/MD	Ok
2	VSTDICC001	VX047348.D	15 Aug 2025 09:18	JC/MD	Not Ok
3	VSTDICC005	VX047349.D	15 Aug 2025 09:40	JC/MD	Ok,M
4	VSTDICC020	VX047350.D	15 Aug 2025 10:01	JC/MD	Ok,M
5	VSTDICCC050	VX047351.D	15 Aug 2025 10:22	JC/MD	Ok,M
6	VSTDICC100	VX047352.D	15 Aug 2025 10:43	JC/MD	Ok,M
7	VSTDICC150	VX047353.D	15 Aug 2025 11:05	JC/MD	Ok,M
8	IBLK	VX047354.D	15 Aug 2025 11:26	JC/MD	Ok
9	VSTDICC001	VX047355.D	15 Aug 2025 12:08	JC/MD	Not Ok
10	VSTDICC001	VX047356.D	15 Aug 2025 12:30	JC/MD	Ok,M
11	VSTDICV050	VX047357.D	15 Aug 2025 13:11	JC/MD	Ok,M
12	VX0815WBL01	VX047358.D	15 Aug 2025 13:39	JC/MD	Ok
13	VX0815MBL01	VX047359.D	15 Aug 2025 14:00	JC/MD	Ok
14	VX0815WBS01	VX047360.D	15 Aug 2025 14:21	JC/MD	Ok,M
15	VX0815WBSD01	VX047361.D	15 Aug 2025 14:49	JC/MD	Ok,M
16	Q2880-01	VX047362.D	15 Aug 2025 15:10	JC/MD	Ok
17	Q2880-02	VX047363.D	15 Aug 2025 15:32	JC/MD	Ok
18	Q2880-03	VX047364.D	15 Aug 2025 15:53	JC/MD	Ok
19	Q2880-04	VX047365.D	15 Aug 2025 16:15	JC/MD	Ok
20	Q2886-01	VX047366.D	15 Aug 2025 16:36	JC/MD	Ok
21	Q2886-02	VX047367.D	15 Aug 2025 16:58	JC/MD	ReRun

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:41:47 AM		
SubDirectory	VX081525	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135148
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158
CCC	VP135152
Internal Standard/PEM	
ICV/I.BLK	VP135159
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2837-01	VX047368.D	15 Aug 2025 17:19	JC/MD	Ok,M
23	VSTDCCC050	VX047369.D	15 Aug 2025 17:41	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082025

Review By	John Carlone	Review On	8/21/2025 8:55:57 AM				
Supervise By	Mahesh Dadoda	Supervise On	8/22/2025 1:13:48 AM				
SubDirectory	VX082025	HP Acquire Method	MSVOA_X		HP Processing Method	82X081525W.M	

STD. NAME	STD REF.#
Tune/Reschk	VP135191
Initial Calibration Stds	
CCC	VP135192,VP135193
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047426.D	20 Aug 2025 07:50	JC/MD	Ok
2	VSTDCCC050	VX047427.D	20 Aug 2025 09:25	JC/MD	Ok,M
3	VX0820MBL01	VX047428.D	20 Aug 2025 09:46	JC/MD	Ok
4	VX0820WBL01	VX047429.D	20 Aug 2025 10:07	JC/MD	Ok
5	VX0820WBS01	VX047430.D	20 Aug 2025 10:35	JC/MD	Ok,M
6	VX0820WBSD01	VX047431.D	20 Aug 2025 11:06	JC/MD	Ok,M
7	Q2815-21RE	VX047432.D	20 Aug 2025 11:28	JC/MD	Confirms
8	Q2815-22	VX047433.D	20 Aug 2025 11:49	JC/MD	Ok
9	Q2815-26	VX047434.D	20 Aug 2025 12:11	JC/MD	Ok
10	Q2878-01	VX047435.D	20 Aug 2025 12:32	JC/MD	Not Ok
11	Q2878-05	VX047436.D	20 Aug 2025 12:54	JC/MD	Not Ok
12	Q2869-03	VX047437.D	20 Aug 2025 13:15	JC/MD	Not Ok
13	Q2869-04	VX047438.D	20 Aug 2025 13:37	JC/MD	Not Ok
14	Q2869-05	VX047439.D	20 Aug 2025 13:59	JC/MD	Not Ok
15	IBLK	VX047440.D	20 Aug 2025 14:20	JC/MD	Ok
16	Q2878-06	VX047441.D	20 Aug 2025 14:42	JC/MD	Ok
17	Q2900-07	VX047442.D	20 Aug 2025 15:04	JC/MD	ReRun
18	Q2900-01	VX047443.D	20 Aug 2025 15:25	JC/MD	Ok
19	Q2900-02	VX047444.D	20 Aug 2025 15:47	JC/MD	Dilution
20	Q2900-03	VX047445.D	20 Aug 2025 16:09	JC/MD	Dilution
21	Q2900-04	VX047446.D	20 Aug 2025 16:30	JC/MD	ReRun

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082025

Review By	John Carlone	Review On	8/21/2025 8:55:57 AM				
Supervise By	Mahesh Dadoda	Supervise On	8/22/2025 1:13:48 AM				
SubDirectory	VX082025	HP Acquire Method	MSVOA_X		HP Processing Method	82X081525W.M	

STD. NAME	STD REF.#
Tune/Reschk	VP135191
Initial Calibration Stds	
CCC	VP135192,VP135193
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2900-05	VX047447.D	20 Aug 2025 16:52	JC/MD	Dilution
23	Q2900-06	VX047448.D	20 Aug 2025 17:14	JC/MD	ReRun
24	Q2900-08	VX047449.D	20 Aug 2025 17:35	JC/MD	ReRun
25	Q2878-01	VX047450.D	20 Aug 2025 17:57	JC/MD	Dilution
26	Q2878-01DL	VX047451.D	20 Aug 2025 18:18	JC/MD	Ok,M
27	Q2878-05	VX047452.D	20 Aug 2025 18:40	JC/MD	Ok
28	VSTDCCC050	VX047453.D	20 Aug 2025 19:01	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082125

Review By	John Carlone	Review On	8/22/2025 9:26:16 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/22/2025 10:55:07 PM		
SubDirectory	VX082125	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135197
Initial Calibration Stds	
CCC	VP135198,VP135199
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047454.D	21 Aug 2025 07:58	JC/MD	Ok
2	VSTDCCC050	VX047455.D	21 Aug 2025 09:35	JC/MD	Ok,M
3	VX0821MBL01	VX047456.D	21 Aug 2025 10:03	JC/MD	Ok
4	VX0821WBL01	VX047457.D	21 Aug 2025 10:24	JC/MD	Ok
5	VX0821WBS01	VX047458.D	21 Aug 2025 10:50	JC/MD	Not Ok
6	VX0821WBSD01	VX047459.D	21 Aug 2025 11:18	JC/MD	Not Ok
7	Q2869-04	VX047460.D	21 Aug 2025 11:39	JC/MD	Dilution
8	Q2869-05	VX047461.D	21 Aug 2025 12:00	JC/MD	Ok
9	Q2869-03	VX047462.D	21 Aug 2025 12:22	JC/MD	Ok
10	Q2900-02DL	VX047463.D	21 Aug 2025 12:43	JC/MD	Ok
11	Q2900-03DL	VX047464.D	21 Aug 2025 13:04	JC/MD	Ok
12	Q2900-05DL	VX047465.D	21 Aug 2025 13:25	JC/MD	Ok
13	Q2900-08	VX047466.D	21 Aug 2025 13:46	JC/MD	Ok
14	VX0821WBS02	VX047467.D	21 Aug 2025 14:07	JC/MD	Ok,M
15	Q2869-04DL	VX047468.D	21 Aug 2025 14:28	JC/MD	Ok
16	Q2900-07RE	VX047469.D	21 Aug 2025 14:49	JC/MD	Confirms
17	VX0821WBSD02	VX047470.D	21 Aug 2025 15:10	JC/MD	Ok,M
18	Q2900-06	VX047471.D	21 Aug 2025 15:31	JC/MD	Ok
19	Q2903-01	VX047472.D	21 Aug 2025 15:53	JC/MD	Ok
20	Q2903-02	VX047473.D	21 Aug 2025 16:14	JC/MD	ReRun
21	Q2900-04	VX047474.D	21 Aug 2025 16:35	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082125

Review By	John Carlone	Review On	8/22/2025 9:26:16 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/22/2025 10:55:07 PM		
SubDirectory	VX082125	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135197
Initial Calibration Stds	
CCC	VP135198,VP135199
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2903-03	VX047475.D	21 Aug 2025 16:56	JC/MD	Ok,M
23	Q2903-04	VX047476.D	21 Aug 2025 17:17	JC/MD	Ok
24	Q2903-05MS	VX047477.D	21 Aug 2025 17:39	JC/MD	Not Ok
25	Q2903-06MSD	VX047478.D	21 Aug 2025 18:00	JC/MD	Not Ok
26	Q2903-07	VX047479.D	21 Aug 2025 18:21	JC/MD	Dilution
27	Q2903-08	VX047480.D	21 Aug 2025 18:42	JC/MD	Ok
28	Q2903-09	VX047481.D	21 Aug 2025 19:03	JC/MD	ReRun
29	VSTDCCC050	VX047482.D	21 Aug 2025 19:25	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:41:47 AM		
SubDirectory	VX081525	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135148
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158
CCC	VP135152
Internal Standard/PEM	
ICV/I.BLK	VP135159
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX047347.D	15 Aug 2025 08:28		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX047348.D	15 Aug 2025 09:18	Not used	JC/MD	Not Ok
3	VSTDICC005	VSTDICC005	VX047349.D	15 Aug 2025 09:40	LR-58,81	JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX047350.D	15 Aug 2025 10:01		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX047351.D	15 Aug 2025 10:22		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX047352.D	15 Aug 2025 10:43		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX047353.D	15 Aug 2025 11:05		JC/MD	Ok,M
8	IBLK	IBLK	VX047354.D	15 Aug 2025 11:26		JC/MD	Ok
9	VSTDICC001	VSTDICC001	VX047355.D	15 Aug 2025 12:08	Not used	JC/MD	Not Ok
10	VSTDICC001	VSTDICC001	VX047356.D	15 Aug 2025 12:30		JC/MD	Ok,M
11	VSTDICV050	ICVVX081525	VX047357.D	15 Aug 2025 13:11		JC/MD	Ok,M
12	VX0815WBL01	VX0815WBL01	VX047358.D	15 Aug 2025 13:39		JC/MD	Ok
13	VX0815MBL01	VX0815MBL01	VX047359.D	15 Aug 2025 14:00		JC/MD	Ok
14	VX0815WBS01	VX0815WBS01	VX047360.D	15 Aug 2025 14:21		JC/MD	Ok,M
15	VX0815WBSD01	VX0815WBSD01	VX047361.D	15 Aug 2025 14:49		JC/MD	Ok,M
16	Q2880-01	STORAGE-BLANK-SO	VX047362.D	15 Aug 2025 15:10	vial A pH<2	JC/MD	Ok
17	Q2880-02	STORAGE-BLANK-WA	VX047363.D	15 Aug 2025 15:32	vial A pH<2	JC/MD	Ok
18	Q2880-03	STORAGE-BLANK-WA	VX047364.D	15 Aug 2025 15:53	vial A pH<2	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:41:47 AM		
SubDirectory	VX081525	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135148
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158
CCC	VP135152
Internal Standard/PEM	
ICV/I.BLK	VP135159
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2880-04	STORAGE-BLANK-SAI	VX047365.D	15 Aug 2025 16:15	vial A pH<2	JC/MD	Ok
20	Q2886-01	BP-TT182D-TB-202508	VX047366.D	15 Aug 2025 16:36	vial A pH<2	JC/MD	Ok
21	Q2886-02	BP-TT182D-GW-20250	VX047367.D	15 Aug 2025 16:58	vial A pH<2 Surrogate Fail	JC/MD	ReRun
22	Q2837-01	TW-WTS-13	VX047368.D	15 Aug 2025 17:19	vial B pH<2	JC/MD	Ok,M
23	VSTDCCC050	VSTDCCC050EC	VX047369.D	15 Aug 2025 17:41		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082025

Review By	John Carlone	Review On	8/21/2025 8:55:57 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/22/2025 1:13:48 AM		
SubDirectory	VX082025	HP Acquire Method	MSVOA_X	HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135191
Initial Calibration Stds	
CCC	VP135192,VP135193
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	VX047426.D	20 Aug 2025 07:50		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX047427.D	20 Aug 2025 09:25	pH#Lot#V12668	JC/MD	Ok,M
3	VX0820MBL01	VX0820MBL01	VX047428.D	20 Aug 2025 09:46		JC/MD	Ok
4	VX0820WBL01	VX0820WBL01	VX047429.D	20 Aug 2025 10:07		JC/MD	Ok
5	VX0820WBS01	VX0820WBS01	VX047430.D	20 Aug 2025 10:35		JC/MD	Ok,M
6	VX0820WBSD01	VX0820WBSD01	VX047431.D	20 Aug 2025 11:06		JC/MD	Ok,M
7	Q2815-21RE	TW-11M-ERE	VX047432.D	20 Aug 2025 11:28	vial B pH<2 Surrogate Fail	JC/MD	Confirms
8	Q2815-22	TW-11M-S	VX047433.D	20 Aug 2025 11:49	vial B pH<2	JC/MD	Ok
9	Q2815-26	FB	VX047434.D	20 Aug 2025 12:11	vial B pH<2 FB	JC/MD	Ok
10	Q2878-01	MW-18B-57.5-081325	VX047435.D	20 Aug 2025 12:32	Run @ lower dilution	JC/MD	Not Ok
11	Q2878-05	MW-11A-37.5-081425	VX047436.D	20 Aug 2025 12:54	Run @ lower dilution	JC/MD	Not Ok
12	Q2869-03	MW-01-6.5-081325	VX047437.D	20 Aug 2025 13:15	Need straight run	JC/MD	Not Ok
13	Q2869-04	MW-11A-13.5-081325	VX047438.D	20 Aug 2025 13:37	Run @ 10x	JC/MD	Not Ok
14	Q2869-05	MW-19B-71.5-081325-I	VX047439.D	20 Aug 2025 13:59	Run @ 40x	JC/MD	Not Ok
15	IBLK	IBLK	VX047440.D	20 Aug 2025 14:20		JC/MD	Ok
16	Q2878-06	TB01-081425	VX047441.D	20 Aug 2025 14:42	vial A pH<2 TB	JC/MD	Ok
17	Q2900-07	MW-11B-081825	VX047442.D	20 Aug 2025 15:04	vial A pH<2 Surrogate Fail	JC/MD	ReRun
18	Q2900-01	MN-9C-081825	VX047443.D	20 Aug 2025 15:25	vial A pH<2	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082025

Review By	John Carlone	Review On	8/21/2025 8:55:57 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/22/2025 1:13:48 AM		
SubDirectory	VX082025	HP Acquire Method	MSVOA_X	HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135191
Initial Calibration Stds	
CCC	VP135192,VP135193
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2900-02	MN-12C-081825	VX047444.D	20 Aug 2025 15:47	vial A pH<2 Surrogate Fail;Need 50X	JC/MD	Dilution
20	Q2900-03	DUP-01-081825	VX047445.D	20 Aug 2025 16:09	vial A pH<2 Surrogate Fail;Need 50X	JC/MD	Dilution
21	Q2900-04	MW-17B-081825	VX047446.D	20 Aug 2025 16:30	vial A pH<2 E flag of previous sample	JC/MD	ReRun
22	Q2900-05	MW-11C-081825	VX047447.D	20 Aug 2025 16:52	vial A pH<2 Need 50X	JC/MD	Dilution
23	Q2900-06	MW-17C-081825	VX047448.D	20 Aug 2025 17:14	vial A pH<2 Surrogate Fail	JC/MD	ReRun
24	Q2900-08	TB-081825	VX047449.D	20 Aug 2025 17:35	vial A pH<2 TB,Surrogate Fail	JC/MD	ReRun
25	Q2878-01	MW-18B-57.5-081325	VX047450.D	20 Aug 2025 17:57	vial A pH<2 Need 10X	JC/MD	Dilution
26	Q2878-01DL	MW-18B-57.5-081325D	VX047451.D	20 Aug 2025 18:18	vial B pH<2	JC/MD	Ok,M
27	Q2878-05	MW-11A-37.5-081425	VX047452.D	20 Aug 2025 18:40	vial A pH<2	JC/MD	Ok
28	VSTDCCC050	VSTDCCC050EC	VX047453.D	20 Aug 2025 19:01		JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082125

Review By	John Carlone	Review On	8/22/2025 9:26:16 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/22/2025 10:55:07 PM		
SubDirectory	VX082125	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135197
Initial Calibration Stds	
CCC	VP135198,VP135199
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	VX047454.D	21 Aug 2025 07:58		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX047455.D	21 Aug 2025 09:35	pH#Lot#V12668	JC/MD	Ok,M
3	VX0821MBL01	VX0821MBL01	VX047456.D	21 Aug 2025 10:03		JC/MD	Ok
4	VX0821WBL01	VX0821WBL01	VX047457.D	21 Aug 2025 10:24		JC/MD	Ok
5	VX0821WBS01	VX0821WBS01	VX047458.D	21 Aug 2025 10:50	Recovery fail	JC/MD	Not Ok
6	VX0821WBSD01	VX0821WBSD01	VX047459.D	21 Aug 2025 11:18	Recovery fail	JC/MD	Not Ok
7	Q2869-04	MW-11A-13.5-081325	VX047460.D	21 Aug 2025 11:39	vial A pH<2 Need 20X	JC/MD	Dilution
8	Q2869-05	MW-19B-71.5-081325-I	VX047461.D	21 Aug 2025 12:00	vial A pH<2	JC/MD	Ok
9	Q2869-03	MW-01-6.5-081325	VX047462.D	21 Aug 2025 12:22	vial A pH<2	JC/MD	Ok
10	Q2900-02DL	MN-12C-081825DL	VX047463.D	21 Aug 2025 12:43	vial B pH<2	JC/MD	Ok
11	Q2900-03DL	DUP-01-081825DL	VX047464.D	21 Aug 2025 13:04	vial B pH<2	JC/MD	Ok
12	Q2900-05DL	MW-11C-081825DL	VX047465.D	21 Aug 2025 13:25	vial B pH<2	JC/MD	Ok
13	Q2900-08	TB-081825	VX047466.D	21 Aug 2025 13:46	vial B pH<2 TB	JC/MD	Ok
14	VX0821WBS02	VX0821WBS02	VX047467.D	21 Aug 2025 14:07		JC/MD	Ok,M
15	Q2869-04DL	MW-11A-13.5-081325D	VX047468.D	21 Aug 2025 14:28	vial B pH<2	JC/MD	Ok
16	Q2900-07RE	MW-11B-081825RE	VX047469.D	21 Aug 2025 14:49	vial B pH<2 Surrogate Fail	JC/MD	Confirms
17	VX0821WBSD02	VX0821WBSD02	VX047470.D	21 Aug 2025 15:10		JC/MD	Ok,M
18	Q2900-06	MW-17C-081825	VX047471.D	21 Aug 2025 15:31	vial B pH<2	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082125

Review By	John Carlone	Review On	8/22/2025 9:26:16 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/22/2025 10:55:07 PM		
SubDirectory	VX082125	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135197
Initial Calibration Stds	
CCC	VP135198,VP135199
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2903-01	MW-6A-081925	VX047472.D	21 Aug 2025 15:53	vial A pH<2	JC/MD	Ok
20	Q2903-02	MW-1C-081925	VX047473.D	21 Aug 2025 16:14	vial A pH<2 Surrogate Fail	JC/MD	ReRun
21	Q2900-04	MW-17B-081825	VX047474.D	21 Aug 2025 16:35	vial B pH<2	JC/MD	Ok
22	Q2903-03	MW-6B-081925	VX047475.D	21 Aug 2025 16:56	vial A pH<2	JC/MD	Ok,M
23	Q2903-04	MW-1B-081925	VX047476.D	21 Aug 2025 17:17	vial A pH<2	JC/MD	Ok
24	Q2903-05MS	Q2903-03MSMS	VX047477.D	21 Aug 2025 17:39	Spike not added	JC/MD	Not Ok
25	Q2903-06MSD	Q2903-03MSDMSD	VX047478.D	21 Aug 2025 18:00	Surrogate Fail;Spike not added	JC/MD	Not Ok
26	Q2903-07	MW-12B-081925	VX047479.D	21 Aug 2025 18:21	vial A pH<2 Surrogate Fail;Need 10X	JC/MD	Dilution
27	Q2903-08	MW-18B-081925	VX047480.D	21 Aug 2025 18:42	vial A pH<2	JC/MD	Ok
28	Q2903-09	DUP-02-081925	VX047481.D	21 Aug 2025 19:03	vial A pH<2 Surrogate Fail	JC/MD	ReRun
29	VSTDCCC050	VSTDCCC050EC	VX047482.D	21 Aug 2025 19:25		JC/MD	Ok,M

M : Manual Integration

SHIPPING DOCUMENTS

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

ALLIANCE PROJECT NO. Q2900
QUOTE NO.
COC Number 2045005

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: (a) ~~Peter S. Cox, P.G.~~ AECOM
ADDRESS: (a) ~~A~~ 250 Apollo Drive
CITY Chelmsford STATE: MA ZIP: 01824
ATTENTION: Peter S. Cox, P.G
PHONE 1-978-764-4251 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Equity
PROJECT NO: 60676362 LOCATION: Brooklyn, NY
PROJECT MANAGER: Peter S. Cox
e-mail: pete.cox@aecom.com
PHONE: 1-978-764-4251 FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other _____
☐ EDD FORMAT _____

ANALYSIS

8270 E-SVOCS
8260D - VOCS

PRESERVATIVES

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	PRES 1 (E)	PRES 2 (A)	PRES 3	PRES 4	PRES 5	PRES 6	PRES 7	PRES 8	PRES 9
1.	MW-9C-080825	W		X	8/18/25	0945	3	X	X							
2.	MW-12C-080825	W		X	8/18/25	1230	3	X	X							
3.	DUP-01-080825	W		X	8/18/25	1235	3	X	X							
4.	MW-17B-080825	W		X	8/18/25	1425	3	X	X							
5.	MW-11C-080825	W		X	8/18/25	1426	3	X	X							
6.	MW-17C-080825	W		X	8/18/25	1505	3	X	X							
7.	MW-11B-080825	W		X	8/18/25	1441	3	X	X							
8.	TB-080525	W		X	8/15/25	0800	2		X							
9.																
10.																

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	8/18/25 1525	1. 1545 8-18-25
2.		2.
3.	8-18-25 1727	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.1 °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 : Q2900 AECO02
Client Name : AECOM
Client Contact : Peter S
Invoice Name : AECOM
Invoice Contact : Peter S

Order Date : 8/18/2025 4:05:40 PM
Project Name : National Grid Equity - Broc
Receive DateTime : 8/18/2025 5:27:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 2
EDD Type : EXCEL NJCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2900-01	MN-9C-081825	Water	08/18/2025	09:45					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2900-02	MN-12C-081825	Water	08/18/2025	12:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2900-03	DUP-01-081825	Water	08/18/2025	12:35					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2900-04	MW-~~MA~~-17B-081825	Water	08/18/2025	14:25					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2900-05	MW-~~MA~~-11C-081825	Water	08/18/2025	14:26					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2900-06	MW ~~MA~~-17C-081825	Water	08/18/2025	15:05					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2900-07	MW ~~MA~~-11B-081825	Water	08/18/2025	14:41					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2900-08	TB-081825	Water	08/18/2025	08:00					

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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LOGIN REPORT/SAMPLE TRANSFER

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LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260D	10 Bus. Days	

Stored in VOA Ref #05

Relinguished By :
Date / Time : 8/19/25 0816

Received By : [illegible] Dudock
Date / Time : 8/19/25 9:30 AM

Storage Area : **VOA Refridgerator Room**