

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 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

LAB CHRONICLE

OrderID:	Q3643	OrderDate:	11/14/2025 10:09:00 AM
Client:	Chemtech Consulting Group	Project:	Weekly Storage Blanks
Contact:	QA Officer	Location:	A12,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3643-01	STORAGE-BLANK-SOI L-REF-6	Water			11/07/25			11/14/25
			VOC- Chemtech Full	8260-Low			11/17/25	
Q3643-02	STORAGE-BLANK-WAT ER-REF-5	Water			11/07/25			11/14/25
			VOC- Chemtech Full	8260-Low			11/14/25	
Q3643-03	STORAGE-BLANK-WAT ER-REF-4	Water			11/07/25			11/14/25
			VOC- Chemtech Full	8260-Low			11/17/25	
Q3643-04	STORAGE-BLANK-SAM PLE-MANAGEMENT	Water			11/07/25			11/14/25
			VOC- Chemtech Full	8260-Low			11/14/25	



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Hit Summary Sheet
SW-846

SDG No.: Q3643

Client: Chemtech Consulting Group

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

0

Total Voc :

Total Concentration:



QC SUMMARY

Surrogate Summary

SDG No.: **Q3643**

Client: **Chemtech Consulting Group**

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3643-01	STORAGE-BLANK-SOIL-REF-6	1,2-Dichloroethane-d4	50	55.2	110		74	125
		Dibromofluoromethane	50	50.1	100		75	124
		Toluene-d8	50	45.5	91		86	113
		4-Bromofluorobenzene	50	46.5	93		77	121
Q3643-02	STORAGE-BLANK-WATER-REF-5	1,2-Dichloroethane-d4	50	51.9	104		74	125
		Dibromofluoromethane	50	57.4	115		75	124
		Toluene-d8	50	49.8	100		86	113
		4-Bromofluorobenzene	50	57.0	114		77	121
Q3643-03	STORAGE-BLANK-WATER-REF-4	1,2-Dichloroethane-d4	50	55.3	111		74	125
		Dibromofluoromethane	50	49.5	99		75	124
		Toluene-d8	50	45.5	91		86	113
		4-Bromofluorobenzene	50	47.3	95		77	121
Q3643-04	STORAGE-BLANK-SAMPLE-MANAC	1,2-Dichloroethane-d4	50	58.6	117		74	125
		Dibromofluoromethane	50	47.6	95		75	124
		Toluene-d8	50	51.0	102		86	113
		4-Bromofluorobenzene	50	57.2	114		77	121
VN1117WBL01	VN1117WBL01	1,2-Dichloroethane-d4	50	61.1	122		74	125
		Dibromofluoromethane	50	50.3	101		75	124
		Toluene-d8	50	45.7	91		86	113
		4-Bromofluorobenzene	50	48.5	97		77	121
VN1117WBS01	VN1117WBS01	1,2-Dichloroethane-d4	50	54.4	109		74	125
		Dibromofluoromethane	50	51.7	103		75	124
		Toluene-d8	50	48.6	97		86	113
		4-Bromofluorobenzene	50	49.3	99		77	121
VN1117WBSD0	VN1117WBSD01	1,2-Dichloroethane-d4	50	53.5	107		74	125
		Dibromofluoromethane	50	51.2	102		75	124
		Toluene-d8	50	47.9	96		86	113
		4-Bromofluorobenzene	50	47.6	95		77	121
VX1114WBL01	VX1114WBL01	1,2-Dichloroethane-d4	50	58.2	116		74	125
		Dibromofluoromethane	50	43.8	88		75	124
		Toluene-d8	50	49.1	98		86	113
		4-Bromofluorobenzene	50	55.9	112		77	121
VX1114WBS01	VX1114WBS01	1,2-Dichloroethane-d4	50	47.0	94		74	125
		Dibromofluoromethane	50	41.3	83		75	124
		Toluene-d8	50	44.5	89		86	113
		4-Bromofluorobenzene	50	44.6	89		77	121

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	Q3643	Analytical Method:	SW8260-Low
Client:	Chemtech Consulting Group	Datafile :	VN088295.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1117WBS01	Dichlorodifluoromethane	20	17.9	ug/L	90			69	116	
	Chloromethane	20	20.5	ug/L	103			65	116	
	Vinyl chloride	20	19.0	ug/L	95			65	117	
	Ethyl Acetate	20	21.9	ug/L	110			75	115	
	Bromomethane	20	20.5	ug/L	103			58	125	
	Chloroethane	20	19.0	ug/L	95			56	128	
	Trichlorofluoromethane	20	17.9	ug/L	90			73	115	
	1,1,2-Trichlorotrifluoroethane	20	19.8	ug/L	99			80	112	
	Tert butyl alcohol	100	110	ug/L	110			48	142	
	1,1-Dichloroethene	20	17.3	ug/L	86			74	110	
	Acrolein	100	99.3	ug/L	99			18	155	
	Acrylonitrile	100	120	ug/L	120		*	73	113	
	Acetone	100	110	ug/L	110			60	125	
	Carbon disulfide	20	17.6	ug/L	88			64	112	
	Methyl tert-butyl Ether	20	21.8	ug/L	109			78	114	
	Methyl Acetate	20	26.4	ug/L	132			57	150	
	Methylene Chloride	20	21.5	ug/L	108			72	114	
	trans-1,2-Dichloroethene	20	20.1	ug/L	101			75	108	
	Vinyl Acetate	100	110	ug/L	110			76	115	
	1,1-Dichloroethane	20	22.9	ug/L	115		*	78	112	
	Cyclohexane	20	18.6	ug/L	93			75	110	
	2-Butanone	100	120	ug/L	120			65	122	
	Carbon Tetrachloride	20	21.2	ug/L	106			77	113	
	2,2-Dichloropropane	20	21.5	ug/L	108			77	109	
	cis-1,2-Dichloroethene	20	21.8	ug/L	109			77	110	
	Bromochloromethane	20	30.0	ug/L	150		*	70	124	
	Chloroform	20	23.9	ug/L	119		*	79	113	
	1,1,1-Trichloroethane	20	21.4	ug/L	107			80	108	
	Methylcyclohexane	20	15.7	ug/L	79			72	115	
	1,1-Dichloropropene	20	20.2	ug/L	101			79	110	
	Benzene	20	21.9	ug/L	110		*	82	109	
	1,2-Dichloroethane	20	24.0	ug/L	120		*	80	115	
	Trichloroethene	20	20.6	ug/L	103			77	113	
	1,2-Dichloropropane	20	23.3	ug/L	117		*	83	111	
	Dibromomethane	20	23.6	ug/L	118		*	82	110	
	Bromodichloromethane	20	23.4	ug/L	117		*	83	110	
	4-Methyl-2-Pentanone	100	120	ug/L	120		*	74	118	
	Toluene	20	20.9	ug/L	104			82	110	
	t-1,3-Dichloropropene	20	22.7	ug/L	114		*	79	110	
	cis-1,3-Dichloropropene	20	22.6	ug/L	113		*	82	110	
	1,1,2-Trichloroethane	20	23.2	ug/L	116		*	83	112	
	1,3-Dichloropropane	20	23.0	ug/L	115		*	83	111	
	2-Chloroethyl vinyl ether	100	120	ug/L	120			75	124	
	2-Hexanone	100	120	ug/L	120		*	73	117	
	Dibromochloromethane	20	23.4	ug/L	117		*	82	110	
	1,2-Dibromoethane	20	22.0	ug/L	110			81	110	
	Tetrachloroethene	20	19.7	ug/L	99			67	123	
	Chlorobenzene	20	20.7	ug/L	104			82	109	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	Q3643	Analytical Method:	SW8260-Low
Client:	Chemtech Consulting Group	Datafile :	VN088295.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1117WBS01	1,1,1,2-Tetrachloroethane	20	22.2	ug/L	111			84	111	
	Hexachloroethane	20	19.1	ug/L	96			80	113	
	Ethyl Benzene	20	19.6	ug/L	98			83	109	
	m/p-Xylenes	40	39.8	ug/L	100			82	110	
	o-Xylene	20	19.9	ug/L	100			83	109	
	Styrene	20	20.9	ug/L	104			80	111	
	Bromoform	20	22.4	ug/L	112	*		79	109	
	Isopropylbenzene	20	18.6	ug/L	93			83	112	
	1,1,2,2-Tetrachloroethane	20	22.6	ug/L	113			76	118	
	1,2,3-Trichloropropane	20	19.4	ug/L	97			75	112	
	Bromobenzene	20	21.5	ug/L	108			77	116	
	N-propylbenzene	20	19.3	ug/L	97			83	112	
	2-Chlorotoluene	20	20.7	ug/L	104			83	110	
	1,3,5-Trimethylbenzene	20	19.2	ug/L	96			85	112	
	4-Chlorotoluene	20	19.9	ug/L	100			82	110	
	tert-Butylbenzene	20	18.0	ug/L	90			83	112	
	1,2,4-Trimethylbenzene	20	19.8	ug/L	99			85	111	
	Sec-butylbenzene	20	17.6	ug/L	88			81	114	
	p-Isopropyltoluene	20	18.4	ug/L	92			78	116	
	1,3-Dichlorobenzene	20	20.2	ug/L	101			82	108	
	1,4-Dichlorobenzene	20	20.2	ug/L	101			82	107	
	n-Butylbenzene	20	17.4	ug/L	87			75	115	
	1,2-Dichlorobenzene	20	21.0	ug/L	105			82	109	
	1,2-Dibromo-3-Chloropropane	20	21.2	ug/L	106			68	112	
	1,2,4-Trichlorobenzene	20	18.9	ug/L	95			75	113	
	Hexachlorobutadiene	20	18.6	ug/L	93			81	121	
	Naphthalene	20	18.8	ug/L	94			78	119	
	1,2,3-Trichlorobenzene	20	19.6	ug/L	98			76	114	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	Q3643	Analytical Method:	SW8260-Low
Client:	Chemtech Consulting Group	Datafile :	VN088296.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1117WBSD01	Dichlorodifluoromethane	20	17.9	ug/L	90	0		69	116	19
	Chloromethane	20	20.0	ug/L	100	3		65	116	21
	Vinyl chloride	20	19.0	ug/L	95	0		65	117	19
	Ethyl Acetate	20	22.9	ug/L	115	4		75	115	27
	Bromomethane	20	19.7	ug/L	99	4		58	125	30
	Chloroethane	20	17.2	ug/L	86	10		56	128	20
	Trichlorofluoromethane	20	18.3	ug/L	92	2		73	115	16
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/L	100	1		80	112	20
	Tert butyl alcohol	100	110	ug/L	110	0		48	142	30
	1,1-Dichloroethene	20	18.5	ug/L	93	8		74	110	20
	Acrolein	100	96.8	ug/L	97	2		18	155	30
	Acrylonitrile	100	120	ug/L	120	0	*	73	113	29
	Acetone	100	100	ug/L	100	10		60	125	27
	Carbon disulfide	20	17.3	ug/L	86	2		64	112	17
	Methyl tert-butyl Ether	20	21.2	ug/L	106	3		78	114	20
	Methyl Acetate	20	25.5	ug/L	128	3		57	150	20
	Methylene Chloride	20	20.8	ug/L	104	4		72	114	20
	trans-1,2-Dichloroethene	20	19.0	ug/L	95	6		75	108	16
	Vinyl Acetate	100	110	ug/L	110	0		76	115	26
	1,1-Dichloroethane	20	22.1	ug/L	111	4		78	112	20
	Cyclohexane	20	19.0	ug/L	95	2		75	110	20
	2-Butanone	100	110	ug/L	110	9		65	122	26
	Carbon Tetrachloride	20	21.4	ug/L	107	1		77	113	15
	2,2-Dichloropropane	20	20.5	ug/L	103	5		77	109	20
	cis-1,2-Dichloroethene	20	20.6	ug/L	103	6		77	110	20
	Bromochloromethane	20	28.9	ug/L	145	3	*	70	124	20
	Chloroform	20	22.5	ug/L	113	5		79	113	20
	1,1,1-Trichloroethane	20	21.0	ug/L	105	2		80	108	20
	Methylcyclohexane	20	16.9	ug/L	85	7		72	115	20
	1,1-Dichloropropene	20	20.4	ug/L	102	1		79	110	16
	Benzene	20	21.6	ug/L	108	2		82	109	15
	1,2-Dichloroethane	20	23.2	ug/L	116	3	*	80	115	20
	Trichloroethene	20	20.9	ug/L	104	1		77	113	15
	1,2-Dichloropropane	20	22.6	ug/L	113	3	*	83	111	21
	Dibromomethane	20	23.2	ug/L	116	2	*	82	110	20
	Bromodichloromethane	20	23.3	ug/L	117	0	*	83	110	21
	4-Methyl-2-Pentanone	100	120	ug/L	120	0	*	74	118	25
	Toluene	20	21.0	ug/L	105	1		82	110	16
	t-1,3-Dichloropropene	20	22.7	ug/L	114	0	*	79	110	20
	cis-1,3-Dichloropropene	20	22.2	ug/L	111	2	*	82	110	16
	1,1,2-Trichloroethane	20	23.3	ug/L	117	1	*	83	112	20
	1,3-Dichloropropane	20	23.3	ug/L	117	2	*	83	111	20
	2-Chloroethyl vinyl ether	100	110	ug/L	110	9		75	124	20
	2-Hexanone	100	120	ug/L	120	0	*	73	117	25
	Dibromochloromethane	20	22.7	ug/L	114	3	*	82	110	20
	1,2-Dibromoethane	20	22.2	ug/L	111	1	*	81	110	20
	Tetrachloroethene	20	20.5	ug/L	103	4		67	123	15
	Chlorobenzene	20	21.0	ug/L	105	1		82	109	15

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3643</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Chemtech Consulting Group</u>	Datafile :	<u>VN088296.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1117WBSD01	1,1,1,2-Tetrachloroethane	20	22.9	ug/L	115	4	*	84	111	20
	Hexachloroethane	20	19.3	ug/L	97	1		80	113	20
	Ethyl Benzene	20	20.3	ug/L	102	4		83	109	16
	m/p-Xylenes	40	40.0	ug/L	100	0		82	110	20
	o-Xylene	20	20.5	ug/L	103	3		83	109	20
	Styrene	20	20.8	ug/L	104	0		80	111	17
	Bromoform	20	22.3	ug/L	112	0	*	79	109	20
	Isopropylbenzene	20	19.1	ug/L	96	3		83	112	22
	1,1,2,2-Tetrachloroethane	20	22.6	ug/L	113	0		76	118	20
	1,2,3-Trichloropropane	20	20.3	ug/L	102	5		75	112	20
	Bromobenzene	20	21.9	ug/L	110	2		77	116	20
	N-propylbenzene	20	19.6	ug/L	98	1		83	112	20
	2-Chlorotoluene	20	20.6	ug/L	103	1		83	110	20
	1,3,5-Trimethylbenzene	20	20.0	ug/L	100	4		85	112	20
	4-Chlorotoluene	20	19.8	ug/L	99	1		82	110	20
	tert-Butylbenzene	20	18.3	ug/L	92	2		83	112	20
	1,2,4-Trimethylbenzene	20	19.9	ug/L	100	1		85	111	20
	Sec-butylbenzene	20	18.6	ug/L	93	6		81	114	20
	p-Isopropyltoluene	20	19.4	ug/L	97	5		78	116	20
	1,3-Dichlorobenzene	20	20.3	ug/L	102	1		82	108	20
	1,4-Dichlorobenzene	20	19.3	ug/L	97	4		82	107	20
	n-Butylbenzene	20	18.5	ug/L	93	7		75	115	20
	1,2-Dichlorobenzene	20	21.0	ug/L	105	0		82	109	20
	1,2-Dibromo-3-Chloropropane	20	21.3	ug/L	106	0		68	112	26
	1,2,4-Trichlorobenzene	20	18.8	ug/L	94	1		75	113	21
	Hexachlorobutadiene	20	19.6	ug/L	98	5		81	121	20
	Naphthalene	20	19.2	ug/L	96	2		78	119	20
	1,2,3-Trichlorobenzene	20	19.4	ug/L	97	1		76	114	22

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3643</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Chemtech Consulting Group</u>	Datafile :	<u>VX048605.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1114WBS01	Dichlorodifluoromethane	20	16.3	ug/L	81			69	116	
	Chloromethane	20	20.1	ug/L	101			65	116	
	Vinyl chloride	20	20.9	ug/L	104			65	117	
	Ethyl Acetate	20	21.2	ug/L	106			75	115	
	Bromomethane	20	26.3	ug/L	132		*	58	125	
	Chloroethane	20	21.7	ug/L	109			56	128	
	Trichlorofluoromethane	20	20.9	ug/L	104			73	115	
	1,1,2-Trichlorotrifluoroethane	20	21.7	ug/L	109			80	112	
	Tert butyl alcohol	100	110	ug/L	110			48	142	
	1,1-Dichloroethene	20	21.2	ug/L	106			74	110	
	Acrolein	100	80.3	ug/L	80			18	155	
	Acrylonitrile	100	110	ug/L	110			73	113	
	Acetone	100	110	ug/L	110			60	125	
	Carbon disulfide	20	18.7	ug/L	94			64	112	
	Methyl tert-butyl Ether	20	21.9	ug/L	110			78	114	
	Methyl Acetate	20	26.0	ug/L	130			57	150	
	Methylene Chloride	20	22.3	ug/L	112			72	114	
	trans-1,2-Dichloroethene	20	18.8	ug/L	94			75	108	
	Vinyl Acetate	100	92.0	ug/L	92			76	115	
	1,1-Dichloroethane	20	18.3	ug/L	92			78	112	
	Cyclohexane	20	16.9	ug/L	85			75	110	
	2-Butanone	100	110	ug/L	110			65	122	
	Carbon Tetrachloride	20	16.8	ug/L	84			77	113	
	2,2-Dichloropropane	20	19.7	ug/L	99			77	109	
	cis-1,2-Dichloroethene	20	20.3	ug/L	102			77	110	
	Bromochloromethane	20	17.3	ug/L	86			70	124	
	Chloroform	20	19.1	ug/L	96			79	113	
	1,1,1-Trichloroethane	20	17.8	ug/L	89			80	108	
	Methylcyclohexane	20	16.8	ug/L	84			72	115	
	1,1-Dichloropropene	20	15.1	ug/L	76		*	79	110	
	Benzene	20	16.4	ug/L	82			82	109	
	1,2-Dichloroethane	20	19.6	ug/L	98			80	115	
	Trichloroethene	20	17.2	ug/L	86			77	113	
	1,2-Dichloropropane	20	19.6	ug/L	98			83	111	
	Dibromomethane	20	21.9	ug/L	110			82	110	
	Bromodichloromethane	20	21.8	ug/L	109			83	110	
	4-Methyl-2-Pentanone	100	110	ug/L	110			74	118	
	Toluene	20	20.2	ug/L	101			82	110	
	t-1,3-Dichloropropene	20	21.3	ug/L	106			79	110	
	cis-1,3-Dichloropropene	20	21.4	ug/L	107			82	110	
	1,1,2-Trichloroethane	20	22.6	ug/L	113		*	83	112	
	1,3-Dichloropropane	20	21.8	ug/L	109			83	111	
	2-Chloroethyl vinyl ether	100	88.1	ug/L	88			75	124	
	2-Hexanone	100	110	ug/L	110			73	117	
	Dibromochloromethane	20	22.1	ug/L	111		*	82	110	
	1,2-Dibromoethane	20	21.6	ug/L	108			81	110	
	Tetrachloroethene	20	16.1	ug/L	81			67	123	
	Chlorobenzene	20	16.8	ug/L	84			82	109	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3643</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Chemtech Consulting Group</u>	Datafile :	<u>VX048605.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1114WBS01	1,1,1,2-Tetrachloroethane	20	18.9	ug/L	95			84	111	
	Hexachloroethane	20	17.3	ug/L	86			80	113	
	Ethyl Benzene	20	16.9	ug/L	85			83	109	
	m/p-Xylenes	40	34.3	ug/L	86			82	110	
	o-Xylene	20	16.9	ug/L	85			83	109	
	Styrene	20	17.6	ug/L	88			80	111	
	Bromoform	20	17.5	ug/L	88			79	109	
	Isopropylbenzene	20	17.4	ug/L	87			83	112	
	1,1,2,2-Tetrachloroethane	20	18.4	ug/L	92			76	118	
	1,2,3-Trichloropropane	20	18.3	ug/L	92			75	112	
	Bromobenzene	20	18.0	ug/L	90			77	116	
	N-propylbenzene	20	17.2	ug/L	86			83	112	
	2-Chlorotoluene	20	17.4	ug/L	87			83	110	
	1,3,5-Trimethylbenzene	20	17.5	ug/L	88			85	112	
	4-Chlorotoluene	20	17.7	ug/L	89			82	110	
	tert-Butylbenzene	20	17.5	ug/L	88			83	112	
	1,2,4-Trimethylbenzene	20	17.6	ug/L	88			85	111	
	Sec-butylbenzene	20	17.2	ug/L	86			81	114	
	p-Isopropyltoluene	20	17.5	ug/L	88			78	116	
	1,3-Dichlorobenzene	20	17.0	ug/L	85			82	108	
	1,4-Dichlorobenzene	20	17.2	ug/L	86			82	107	
	n-Butylbenzene	20	16.6	ug/L	83			75	115	
	1,2-Dichlorobenzene	20	17.3	ug/L	86			82	109	
	1,2-Dibromo-3-Chloropropane	20	18.0	ug/L	90			68	112	
	1,2,4-Trichlorobenzene	20	16.3	ug/L	81			75	113	
	Hexachlorobutadiene	20	15.7	ug/L	79		*	81	121	
	Naphthalene	20	17.6	ug/L	88			78	119	
	1,2,3-Trichlorobenzene	20	17.3	ug/L	86			76	114	

VOLATILE METHOD BLANK SUMMARY

Client ID

VN1117WBL01

Lab Name: Alliance

Contract: CHEM02

Lab Code: ACE

SDG NO.: Q3643

Lab File ID: VN088294.D

Lab Sample ID: VN1117WBL01

Date Analyzed: 11/17/2025

Time Analyzed: 11:21

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1117WBS01	VN1117WBS01	VN088295.D	11/17/2025
VN1117WBSD01	VN1117WBSD01	VN088296.D	11/17/2025
STORAGE-BLANK-SOIL-REF-6	Q3643-01	VN088298.D	11/17/2025
STORAGE-BLANK-WATER-REF-4	Q3643-03	VN088299.D	11/17/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VX1114WBL01

Lab Name: Alliance

Contract: CHEM02

Lab Code: ACE

SDG NO.: Q3643

Lab File ID: VX048604.D

Lab Sample ID: VX1114WBL01

Date Analyzed: 11/14/2025

Time Analyzed: 11:39

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
VX1114WBS01	VX1114WBS01	VX048605.D	11/14/2025
STORAGE-BLANK-WATER-REF-5	Q3643-02	VX048609.D	11/14/2025
STORAGE-BLANK-SAMPLE-MANAGEMENT	Q3643-04	VX048611.D	11/14/2025

COMMENTS: _____



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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: CHEM02

Lab Code: ACE

SDG NO.: Q3643

Lab File ID: VN088077.D

BFB Injection Date: 10/23/2025

Instrument ID: MSVOA_N

BFB Injection Time: 09:09

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.7
75	30.0 - 60.0% of mass 95	56
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.4 (0.6) 1
174	50.0 - 100.0% of mass 95	64.7
175	5.0 - 9.0% of mass 174	5.8 (8.9) 1
176	95.0 - 101.0% of mass 174	62.6 (96.8) 1
177	5.0 - 9.0% of mass 176	4.5 (7.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VN088078.D	10/23/2025	09:42
VSTDIC005	VSTDIC005	VN088079.D	10/23/2025	10:38
VSTDIC020	VSTDIC020	VN088080.D	10/23/2025	10:59
VSTDIC050	VSTDIC050	VN088081.D	10/23/2025	11:20
VSTDIC100	VSTDIC100	VN088082.D	10/23/2025	11:41
VSTDIC150	VSTDIC150	VN088083.D	10/23/2025	12:02



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: CHEM02

Lab Code: ACE

SDG NO.: Q3643

Lab File ID: VN088291.D

BFB Injection Date: 11/17/2025

Instrument ID: MSVOA_N

BFB Injection Time: 08:32

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.5
75	30.0 - 60.0% of mass 95	57.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	73.1
175	5.0 - 9.0% of mass 174	5.9 (8.1) 1
176	95.0 - 101.0% of mass 174	70.3 (96.2) 1
177	5.0 - 9.0% of mass 176	4.8 (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	VN088292.D	11/17/2025	10:26
VN1117WBL01	VN1117WBL01	VN088294.D	11/17/2025	11:21
VN1117WBS01	VN1117WBS01	VN088295.D	11/17/2025	11:41
VN1117WBSD01	VN1117WBSD01	VN088296.D	11/17/2025	12:16
STORAGE-BLANK-SOIL-REF-6	Q3643-01	VN088298.D	11/17/2025	12:57
STORAGE-BLANK-WATER-REF-4	Q3643-03	VN088299.D	11/17/2025	13:18



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: CHEM02

Lab Code: ACE

SDG NO.: Q3643

Lab File ID: VX048515.D

BFB Injection Date: 11/07/2025

Instrument ID: MSVOA_X

BFB Injection Time: 13:06

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	21.2
75	30.0 - 60.0% of mass 95	56
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	1 (1.2) 1
174	50.0 - 100.0% of mass 95	77.2
175	5.0 - 9.0% of mass 174	5.7 (7.3) 1
176	95.0 - 101.0% of mass 174	75.5 (97.9) 1
177	5.0 - 9.0% of mass 176	4.7 (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
VSTDIC001	VSTDIC001	VX048516.D	11/07/2025	13:35
VSTDIC005	VSTDIC005	VX048517.D	11/07/2025	13:56
VSTDIC020	VSTDIC020	VX048518.D	11/07/2025	14:16
VSTDIC100	VSTDIC100	VX048520.D	11/07/2025	14:58
VSTDIC150	VSTDIC150	VX048521.D	11/07/2025	15:18
VSTDIC050	VSTDIC050	VX048524.D	11/07/2025	16:29



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: VX048601.D
Instrument ID: MSVOA_X
GC Column: DB-624UI ID: 0.18 (mm)

Contract: CHEM02
SDG NO.: Q3643
BFB Injection Date: 11/14/2025
BFB Injection Time: 08:15
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.4
75	30.0 - 60.0% of mass 95	54.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1.1 (1.4) 1
174	50.0 - 100.0% of mass 95	77.9
175	5.0 - 9.0% of mass 174	6.1 (7.8) 1
176	95.0 - 101.0% of mass 174	76.1 (97.7) 1
177	5.0 - 9.0% of mass 176	5.1 (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	VX048602.D	11/14/2025	08:47
VX1114WBL01	VX1114WBL01	VX048604.D	11/14/2025	11:39
VX1114WBS01	VX1114WBS01	VX048605.D	11/14/2025	13:36
STORAGE-BLANK-WATER-REF-5	Q3643-02	VX048609.D	11/14/2025	15:00
STORAGE-BLANK-SAMPLE-MANAGEMENT	Q3643-04	VX048611.D	11/14/2025	15:41

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: CHEM02
 Lab Code: ACE SDG NO.: Q3643
 Lab File ID: VN088292.D Date Analyzed: 11/17/2025
 Instrument ID: MSVOA_N Time Analyzed: 10:26
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	261515	8.21	487635	9.08	426259	11.84
UPPER LIMIT	523030	8.706	975270	9.576	852518	12.341
LOWER LIMIT	130758	7.706	243818	8.576	213130	11.341
EPA SAMPLE NO.						
STORAGE-BLANK-SOIL-REF-6	180499	8.21	408220	9.08	392968	11.85
STORAGE-BLANK-WATER-REF-4	180533	8.21	408977	9.08	396641	11.84
VN1117WBL01	219462	8.21	508968	9.08	502457	11.84
VN1117WBS01	221239	8.21	421404	9.08	388771	11.84
VN1117WBSD01	234156	8.20	431101	9.08	386674	11.84

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: CHEM02
 Lab Code: ACE SDG NO.: Q3643
 Lab File ID: VN088292.D Date Analyzed: 11/17/2025
 Instrument ID: MSVOA_N Time Analyzed: 10:26
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	213799	13.77				
UPPER LIMIT	427598	14.27				
LOWER LIMIT	106900	13.27				
EPA SAMPLE NO.						
STORAGE-BLANK-SOIL-REF-6	188342	13.77				
STORAGE-BLANK-WATER-REF-4	187205	13.77				
VN1117WBL01	238738	13.77				
VN1117WBS01	192312	13.77				
VN1117WBSD01	193737	13.77				

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: CHEM02
 Lab Code: ACE SDG NO.: Q3643
 Lab File ID: VX048602.D Date Analyzed: 11/14/2025
 Instrument ID: MSVOA_X Time Analyzed: 08:47
 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	140447	5.53	235074	6.74	205635	10.04
UPPER LIMIT	280894	6.032	470148	7.239	411270	10.537
LOWER LIMIT	70223.5	5.032	117537	6.239	102818	9.537
EPA SAMPLE NO.						
STORAGE-BLANK-WATER-REF-5	170242	5.54	262793	6.75	276084	10.04
STORAGE-BLANK-SAMPLE-MANAGEMENT	152243	5.54	286864	6.75	308578	10.04
VX1114WBL01	149161	5.54	302183	6.75	367753	10.04
VX1114WBS01	140425	5.53	234812	6.75	222283	10.04

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>CHEM02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3643</u>
Lab File ID:	<u>VX048602.D</u>	Date Analyzed:	<u>11/14/2025</u>
Instrument ID:	<u>MSVOA_X</u>	Time Analyzed:	<u>08:47</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)
		Heated Purge:	(Y/N) <u>N</u>

	IS4 AREA #	RT #				
12 HOUR STD	129254	12.00€				
UPPER LIMIT	258508	12.50€				
LOWER LIMIT	64627	11.50€				
EPA SAMPLE NO.						
STORAGE-BLANK-WATER-REF-5	147078	12.01				
STORAGE-BLANK-SAMPLE-MANAGEMENT	197471	12.01				
VX1114WBL01	166817	12.01				
VX1114WBS01	113785	12.01				

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

Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: STORAGE-BLANK-SOIL-1
 Lab Sample ID: Q3643-01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/07/25
 Date Received: 11/14/25
 SDG No.: Q3643
 Matrix: Water
 % Solid: 0
 Test: VOC- Chemtech Full

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.22	U	1	0.22	1.00	ug/L	11/17/25 12:57	VN111725
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/17/25 12:57	VN111725
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/17/25 12:57	VN111725
141-78-6	Ethyl Acetate	0.31	U	1	0.31	1.00	ug/L	11/17/25 12:57	VN111725
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/17/25 12:57	VN111725
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/17/25 12:57	VN111725
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/17/25 12:57	VN111725
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/17/25 12:57	VN111725
75-65-0	Tert butyl alcohol	5.50	U	1	5.50	25.0	ug/L	11/17/25 12:57	VN111725
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/17/25 12:57	VN111725
107-02-8	Acrolein	7.10	U	1	7.10	25.0	ug/L	11/17/25 12:57	VN111725
107-13-1	Acrylonitrile	0.83	UQ	1	0.83	5.00	ug/L	11/17/25 12:57	VN111725
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/17/25 12:57	VN111725
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/17/25 12:57	VN111725
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/17/25 12:57	VN111725
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/17/25 12:57	VN111725
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/17/25 12:57	VN111725
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/17/25 12:57	VN111725
108-05-4	Vinyl Acetate	0.66	U	1	0.66	5.00	ug/L	11/17/25 12:57	VN111725
75-34-3	1,1-Dichloroethane	0.23	UQ	1	0.23	1.00	ug/L	11/17/25 12:57	VN111725
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/17/25 12:57	VN111725
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/17/25 12:57	VN111725
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/17/25 12:57	VN111725
594-20-7	2,2-Dichloropropane	0.21	U	1	0.21	1.00	ug/L	11/17/25 12:57	VN111725
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/17/25 12:57	VN111725
74-97-5	Bromochloromethane	0.22	UQ	1	0.22	1.00	ug/L	11/17/25 12:57	VN111725
67-66-3	Chloroform	0.25	UQ	1	0.25	1.00	ug/L	11/17/25 12:57	VN111725
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/17/25 12:57	VN111725
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/17/25 12:57	VN111725
563-58-6	1,1-Dichloropropene	0.15	U	1	0.15	1.00	ug/L	11/17/25 12:57	VN111725
71-43-2	Benzene	0.15	UQ	1	0.15	1.00	ug/L	11/17/25 12:57	VN111725
107-06-2	1,2-Dichloroethane	0.22	UQ	1	0.22	1.00	ug/L	11/17/25 12:57	VN111725
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/17/25 12:57	VN111725
78-87-5	1,2-Dichloropropane	0.20	UQ	1	0.20	1.00	ug/L	11/17/25 12:57	VN111725
74-95-3	Dibromomethane	0.25	UQ	1	0.25	1.00	ug/L	11/17/25 12:57	VN111725
75-27-4	Bromodichloromethane	0.22	UQ	1	0.22	1.00	ug/L	11/17/25 12:57	VN111725
108-10-1	4-Methyl-2-Pentanone	0.68	UQ	1	0.68	5.00	ug/L	11/17/25 12:57	VN111725
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/17/25 12:57	VN111725
10061-02-6	t-1,3-Dichloropropene	0.17	UQ	1	0.17	1.00	ug/L	11/17/25 12:57	VN111725
10061-01-5	cis-1,3-Dichloropropene	0.16	UQ	1	0.16	1.00	ug/L	11/17/25 12:57	VN111725
79-00-5	1,1,2-Trichloroethane	0.21	UQ	1	0.21	1.00	ug/L	11/17/25 12:57	VN111725
142-28-9	1,3-Dichloropropane	0.19	UQ	1	0.19	1.00	ug/L	11/17/25 12:57	VN111725
110-75-8	2-Chloroethyl Vinyl ether	0.30	U	1	0.30	5.00	ug/L	11/17/25 12:57	VN111725

Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: STORAGE-BLANK-SOIL-1
 Lab Sample ID: Q3643-01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/07/25
 Date Received: 11/14/25
 SDG No.: Q3643
 Matrix: Water
 % Solid: 0
 Test: VOC- Chemtech Full

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
591-78-6	2-Hexanone	0.89	UQ	1	0.89	5.00	ug/L	11/17/25 12:57	VN111725
124-48-1	Dibromochloromethane	0.18	UQ	1	0.18	1.00	ug/L	11/17/25 12:57	VN111725
106-93-4	1,2-Dibromoethane	0.15	UQ	1	0.15	1.00	ug/L	11/17/25 12:57	VN111725
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/17/25 12:57	VN111725
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/17/25 12:57	VN111725
630-20-6	1,1,1,2-Tetrachloroethane	0.19	UQ	1	0.19	1.00	ug/L	11/17/25 12:57	VN111725
67-72-1	Hexachloroethane	0.32	U	1	0.32	1.00	ug/L	11/17/25 12:57	VN111725
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/17/25 12:57	VN111725
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/17/25 12:57	VN111725
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/17/25 12:57	VN111725
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/17/25 12:57	VN111725
75-25-2	Bromoform	0.19	UQ	1	0.19	1.00	ug/L	11/17/25 12:57	VN111725
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	11/17/25 12:57	VN111725
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/17/25 12:57	VN111725
96-18-4	1,2,3-Trichloropropane	0.35	U	1	0.35	1.00	ug/L	11/17/25 12:57	VN111725
108-86-1	Bromobenzene	0.24	U	1	0.24	1.00	ug/L	11/17/25 12:57	VN111725
103-65-1	n-propylbenzene	0.13	U	1	0.13	1.00	ug/L	11/17/25 12:57	VN111725
95-49-8	2-Chlorotoluene	0.14	U	1	0.14	1.00	ug/L	11/17/25 12:57	VN111725
108-67-8	1,3,5-Trimethylbenzene	0.15	U	1	0.15	1.00	ug/L	11/17/25 12:57	VN111725
106-43-4	4-Chlorotoluene	0.13	U	1	0.13	1.00	ug/L	11/17/25 12:57	VN111725
98-06-6	tert-Butylbenzene	0.14	U	1	0.14	1.00	ug/L	11/17/25 12:57	VN111725
95-63-6	1,2,4-Trimethylbenzene	0.14	U	1	0.14	1.00	ug/L	11/17/25 12:57	VN111725
135-98-8	sec-Butylbenzene	0.13	U	1	0.13	1.00	ug/L	11/17/25 12:57	VN111725
99-87-6	p-Isopropyltoluene	0.13	U	1	0.13	1.00	ug/L	11/17/25 12:57	VN111725
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/17/25 12:57	VN111725
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/17/25 12:57	VN111725
104-51-8	n-Butylbenzene	0.15	U	1	0.15	1.00	ug/L	11/17/25 12:57	VN111725
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/17/25 12:57	VN111725
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/17/25 12:57	VN111725
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/17/25 12:57	VN111725
87-68-3	Hexachlorobutadiene	0.30	U	1	0.30	1.00	ug/L	11/17/25 12:57	VN111725
91-20-3	Naphthalene	0.20	U	1	0.20	1.00	ug/L	11/17/25 12:57	VN111725
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/17/25 12:57	VN111725

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	55.2		74 - 125	110%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	45.5		86 - 113	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.5		77 - 121	93%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	180000
540-36-3	1,4-Difluorobenzene	408000
3114-55-4	Chlorobenzene-d5	393000
3855-82-1	1,4-Dichlorobenzene-d4	188000



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

Report of Analysis

Client: Chemtech Consulting Group
Project: Weekly Storage Blanks
Client Sample ID: STORAGE-BLANK-SOIL-]
Lab Sample ID: Q3643-01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/07/25
Date Received: 11/14/25
SDG No.: Q3643
Matrix: Water
% Solid: 0
Test: VOC- Chemtech Full

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
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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_N\Data\VN111725\
 Data File : VN088298.D
 Acq On : 17 Nov 2025 12:57
 Operator : JC\MD
 Sample : Q3643-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Nov 18 02:59:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	180499	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	408220	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	392968	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	188342	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	172416	55.240	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.480%
35) Dibromofluoromethane	8.147	113	137399	50.101	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.200%
50) Toluene-d8	10.547	98	480724	45.493	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.980%
62) 4-Bromofluorobenzene	12.829	95	173493	46.489	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	92.980%

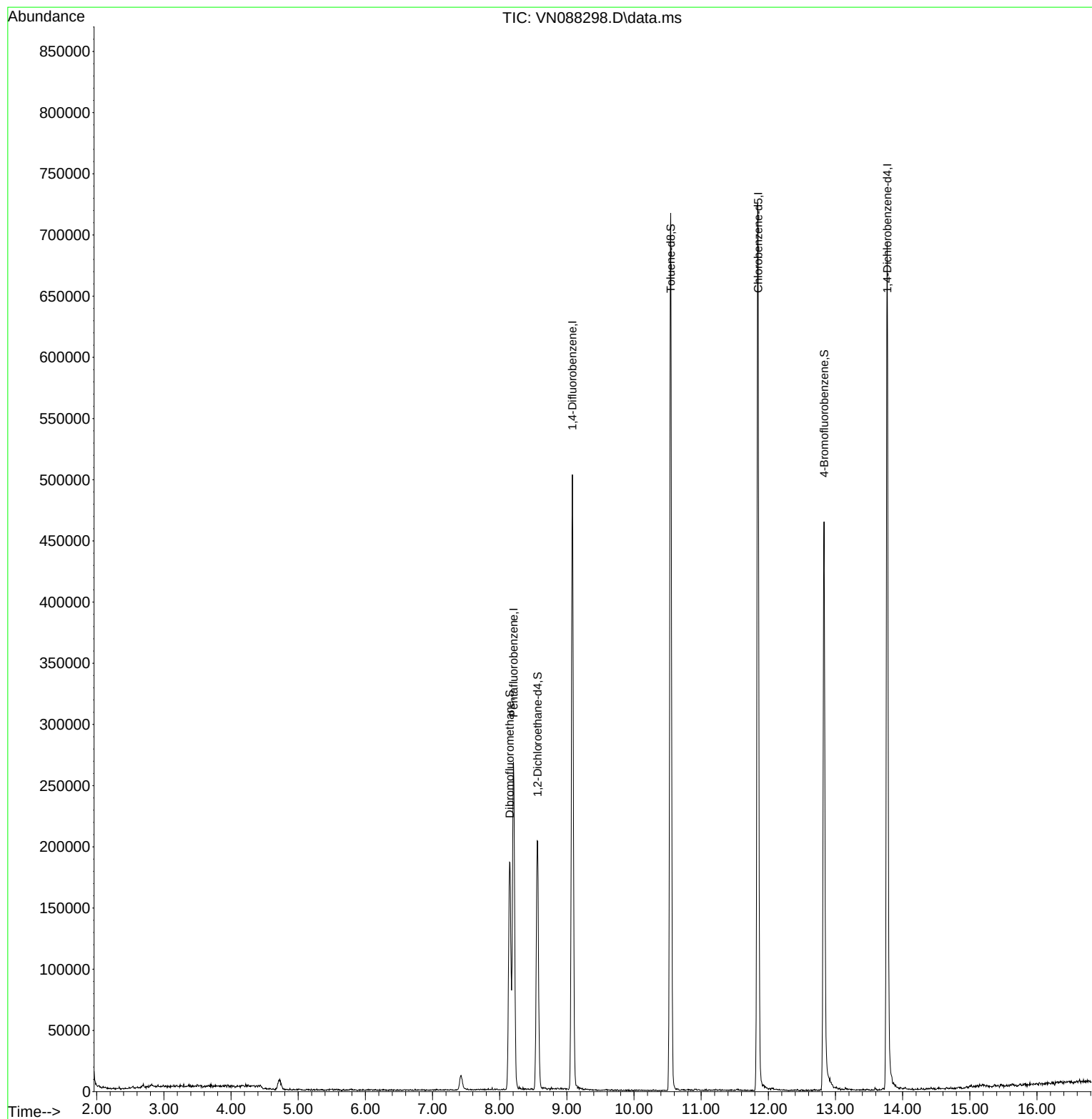
Target Compounds	Qvalue

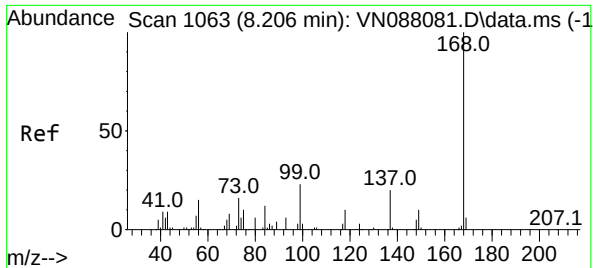
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111725\
Data File : VN088298.D
Acq On : 17 Nov 2025 12:57
Operator : JC\MD
Sample : Q3643-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Quant Time: Nov 18 02:59:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 03 01:16:06 2025
Response via : Initial Calibration

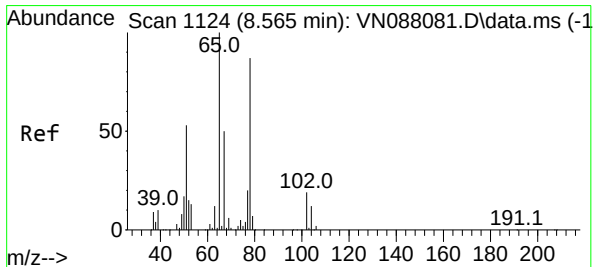
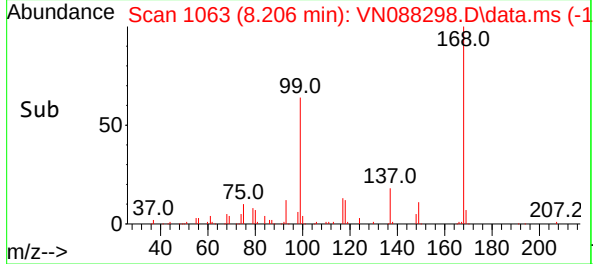
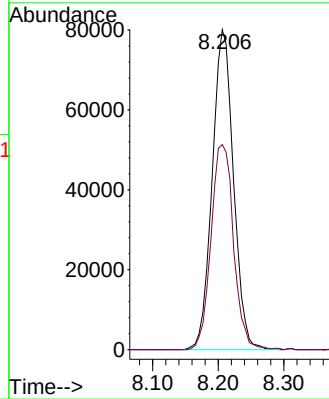
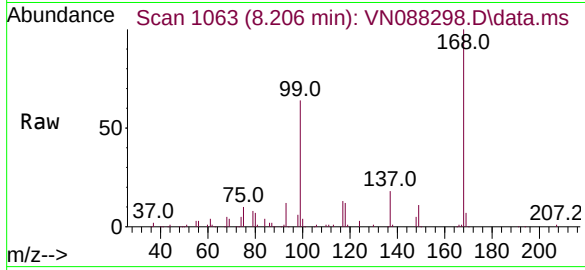




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088298.D
Acq: 17 Nov 2025 12:57

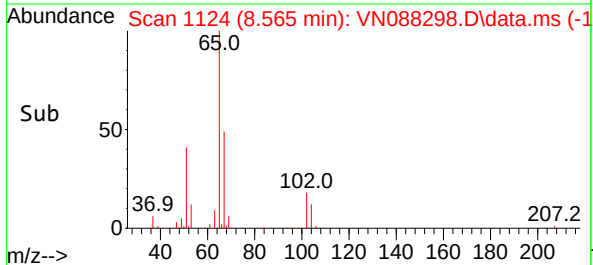
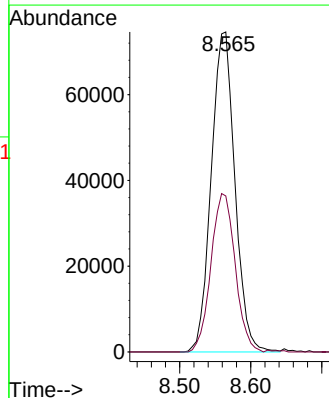
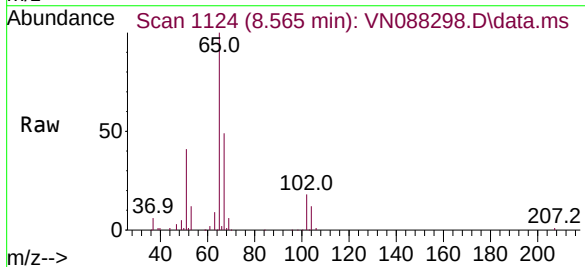
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

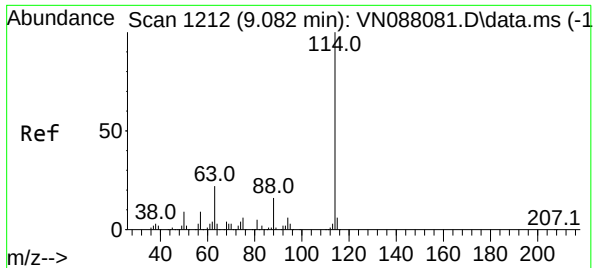
Tgt Ion:168 Resp: 180499
Ion Ratio Lower Upper
168 100
99 64.1 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 55.240 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN088298.D
Acq: 17 Nov 2025 12:57

Tgt Ion: 65 Resp: 172416
Ion Ratio Lower Upper
65 100
67 50.6 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN088298.D

Acq: 17 Nov 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

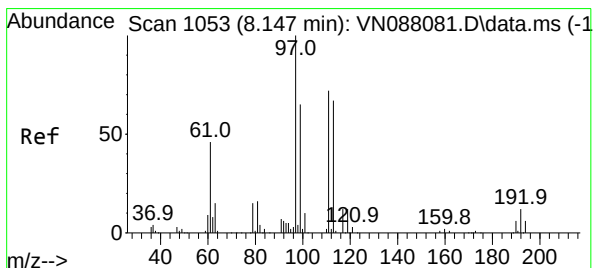
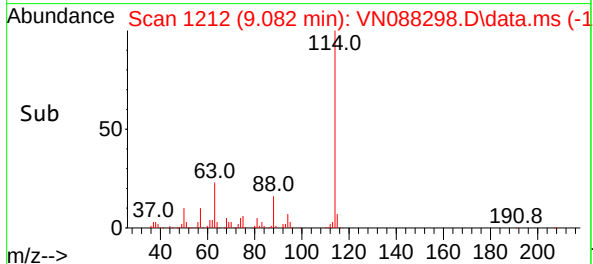
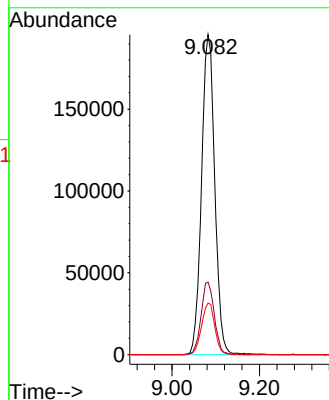
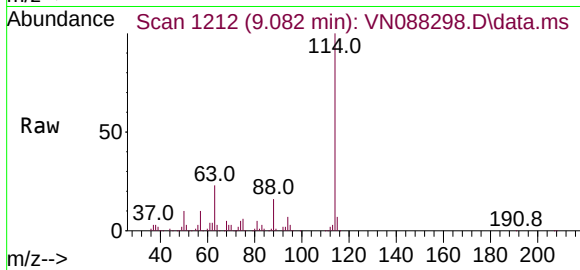
Tgt Ion:114 Resp: 408220

Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.2

88 16.1 0.0 33.4



#35

Dibromofluoromethane

Concen: 50.101 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088298.D

Acq: 17 Nov 2025 12:57

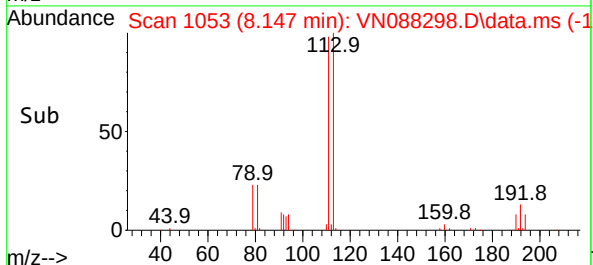
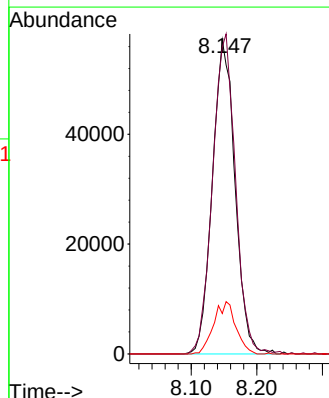
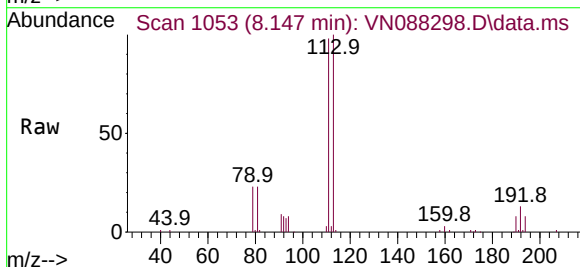
Tgt Ion:113 Resp: 137399

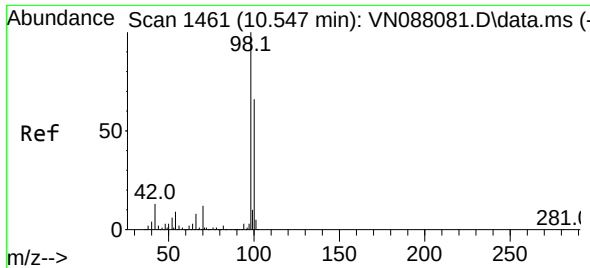
Ion Ratio Lower Upper

113 100

111 103.0 82.8 124.2

192 16.2 12.8 19.2

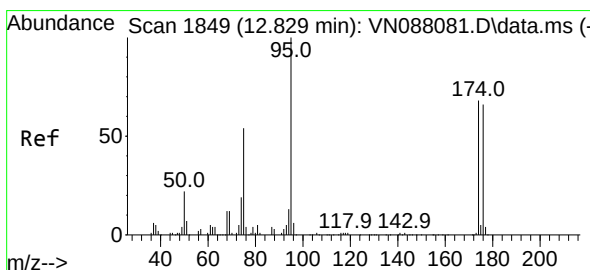
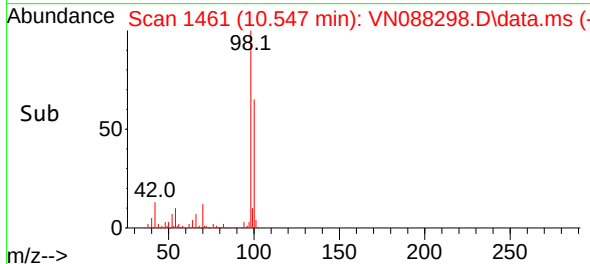
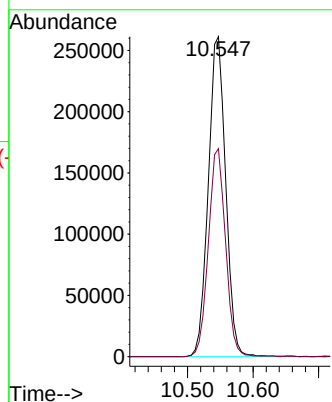
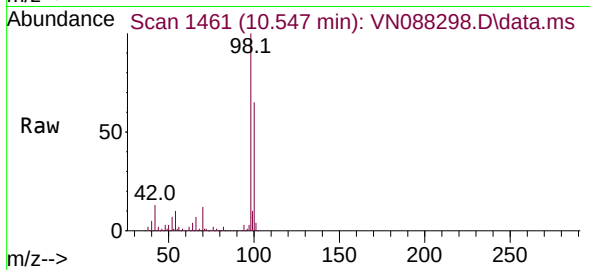




#50
Toluene-d8
Concen: 45.493 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088298.D
Acq: 17 Nov 2025 12:57

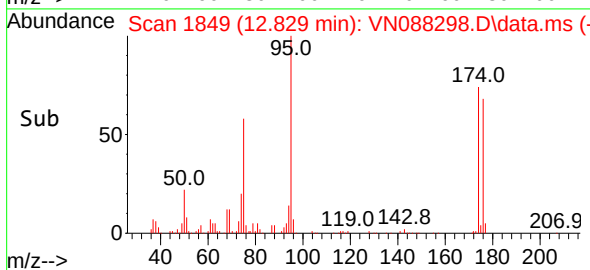
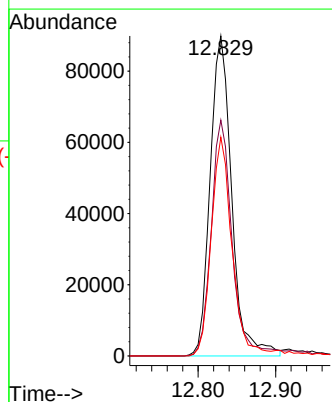
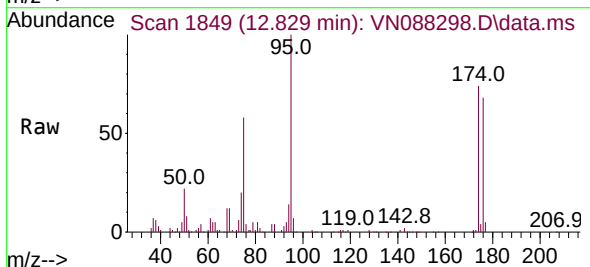
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

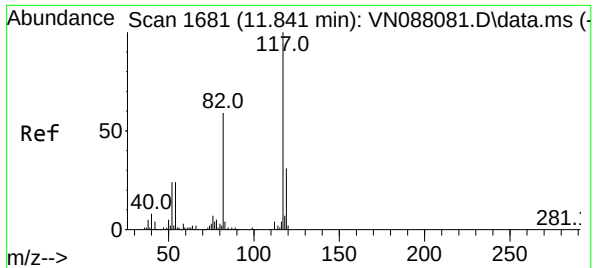
Tgt Ion: 98 Resp: 480724
Ion Ratio Lower Upper
98 100
100 64.3 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 46.489 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088298.D
Acq: 17 Nov 2025 12:57

Tgt Ion: 95 Resp: 173493
Ion Ratio Lower Upper
95 100
174 73.5 0.0 138.4
176 67.4 0.0 132.6

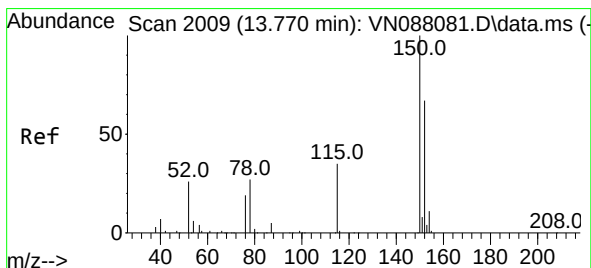
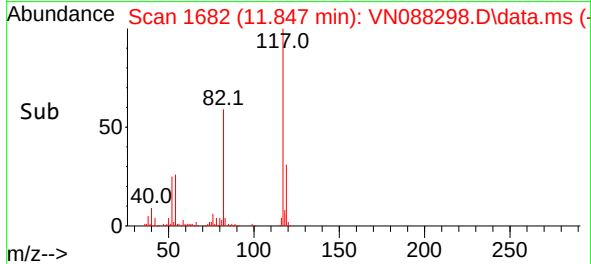
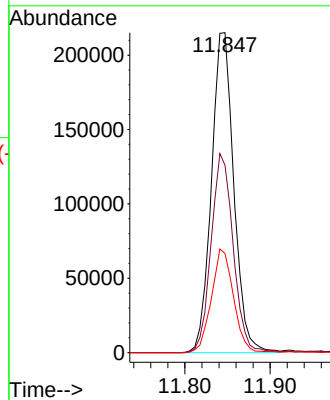
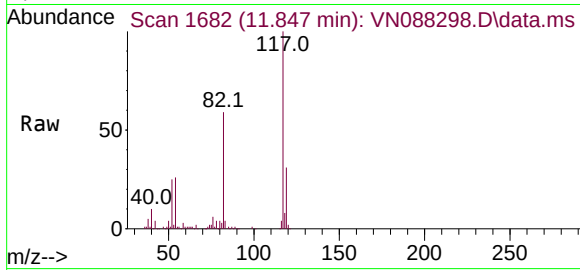




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VN088298.D
Acq: 17 Nov 2025 12:57

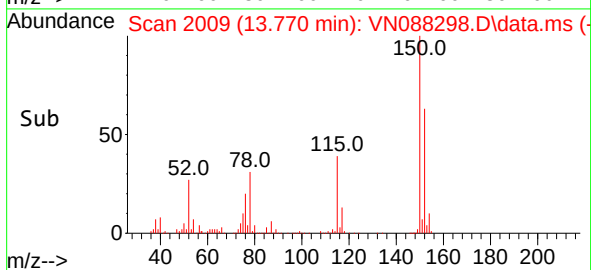
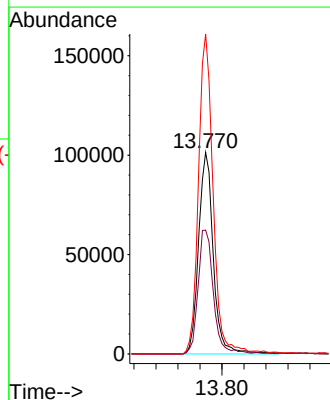
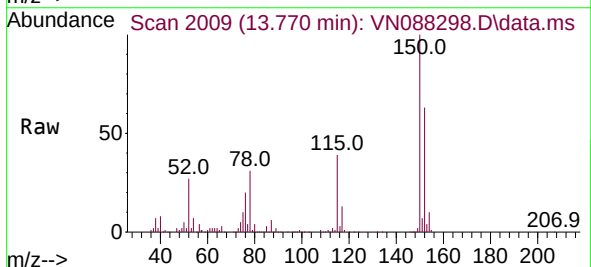
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.4	71.2
119	31.0	24.3	36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088298.D
Acq: 17 Nov 2025 12:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.6	32.3	96.8
150	156.0	0.0	351.0



Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: STORAGE-BLANK-WATE
 Lab Sample ID: Q3643-02
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/07/25
 Date Received: 11/14/25
 SDG No.: Q3643
 Matrix: Water
 % Solid: 0
 Test: VOC- Chemtech Full

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.22	U	1	0.22	1.00	ug/L	11/14/25 15:00	VX111425
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/14/25 15:00	VX111425
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/14/25 15:00	VX111425
141-78-6	Ethyl Acetate	0.31	U	1	0.31	1.00	ug/L	11/14/25 15:00	VX111425
74-83-9	Bromomethane	1.40	UQ	1	1.40	5.00	ug/L	11/14/25 15:00	VX111425
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/14/25 15:00	VX111425
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/14/25 15:00	VX111425
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/14/25 15:00	VX111425
75-65-0	Tert butyl alcohol	5.50	U	1	5.50	25.0	ug/L	11/14/25 15:00	VX111425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/14/25 15:00	VX111425
107-02-8	Acrolein	7.10	U	1	7.10	25.0	ug/L	11/14/25 15:00	VX111425
107-13-1	Acrylonitrile	0.83	U	1	0.83	5.00	ug/L	11/14/25 15:00	VX111425
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/14/25 15:00	VX111425
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/14/25 15:00	VX111425
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/14/25 15:00	VX111425
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/14/25 15:00	VX111425
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/14/25 15:00	VX111425
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/14/25 15:00	VX111425
108-05-4	Vinyl Acetate	0.66	U	1	0.66	5.00	ug/L	11/14/25 15:00	VX111425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/14/25 15:00	VX111425
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/14/25 15:00	VX111425
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/14/25 15:00	VX111425
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/14/25 15:00	VX111425
594-20-7	2,2-Dichloropropane	0.21	U	1	0.21	1.00	ug/L	11/14/25 15:00	VX111425
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/14/25 15:00	VX111425
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/14/25 15:00	VX111425
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/14/25 15:00	VX111425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/14/25 15:00	VX111425
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/14/25 15:00	VX111425
563-58-6	1,1-Dichloropropene	0.15	UQ	1	0.15	1.00	ug/L	11/14/25 15:00	VX111425
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/14/25 15:00	VX111425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/14/25 15:00	VX111425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/14/25 15:00	VX111425
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/14/25 15:00	VX111425
74-95-3	Dibromomethane	0.25	U	1	0.25	1.00	ug/L	11/14/25 15:00	VX111425
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/14/25 15:00	VX111425
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/14/25 15:00	VX111425
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/14/25 15:00	VX111425
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/14/25 15:00	VX111425
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/14/25 15:00	VX111425
79-00-5	1,1,2-Trichloroethane	0.21	UQ	1	0.21	1.00	ug/L	11/14/25 15:00	VX111425
142-28-9	1,3-Dichloropropane	0.19	U	1	0.19	1.00	ug/L	11/14/25 15:00	VX111425
110-75-8	2-Chloroethyl Vinyl ether	0.30	U	1	0.30	5.00	ug/L	11/14/25 15:00	VX111425

Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: STORAGE-BLANK-WATE
 Lab Sample ID: Q3643-02
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/07/25
 Date Received: 11/14/25
 SDG No.: Q3643
 Matrix: Water
 % Solid: 0
 Test: VOC- Chemtech Full

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/14/25 15:00	VX111425
124-48-1	Dibromochloromethane	0.18	UQ	1	0.18	1.00	ug/L	11/14/25 15:00	VX111425
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/14/25 15:00	VX111425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/14/25 15:00	VX111425
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/14/25 15:00	VX111425
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	1	0.19	1.00	ug/L	11/14/25 15:00	VX111425
67-72-1	Hexachloroethane	0.32	U	1	0.32	1.00	ug/L	11/14/25 15:00	VX111425
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/14/25 15:00	VX111425
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/14/25 15:00	VX111425
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/14/25 15:00	VX111425
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/14/25 15:00	VX111425
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/14/25 15:00	VX111425
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	11/14/25 15:00	VX111425
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/14/25 15:00	VX111425
96-18-4	1,2,3-Trichloropropane	0.35	U	1	0.35	1.00	ug/L	11/14/25 15:00	VX111425
108-86-1	Bromobenzene	0.24	U	1	0.24	1.00	ug/L	11/14/25 15:00	VX111425
103-65-1	n-propylbenzene	0.13	U	1	0.13	1.00	ug/L	11/14/25 15:00	VX111425
95-49-8	2-Chlorotoluene	0.14	U	1	0.14	1.00	ug/L	11/14/25 15:00	VX111425
108-67-8	1,3,5-Trimethylbenzene	0.15	U	1	0.15	1.00	ug/L	11/14/25 15:00	VX111425
106-43-4	4-Chlorotoluene	0.13	U	1	0.13	1.00	ug/L	11/14/25 15:00	VX111425
98-06-6	tert-Butylbenzene	0.14	U	1	0.14	1.00	ug/L	11/14/25 15:00	VX111425
95-63-6	1,2,4-Trimethylbenzene	0.14	U	1	0.14	1.00	ug/L	11/14/25 15:00	VX111425
135-98-8	sec-Butylbenzene	0.13	U	1	0.13	1.00	ug/L	11/14/25 15:00	VX111425
99-87-6	p-Isopropyltoluene	0.13	U	1	0.13	1.00	ug/L	11/14/25 15:00	VX111425
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/14/25 15:00	VX111425
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/14/25 15:00	VX111425
104-51-8	n-Butylbenzene	0.15	U	1	0.15	1.00	ug/L	11/14/25 15:00	VX111425
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/14/25 15:00	VX111425
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/14/25 15:00	VX111425
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/14/25 15:00	VX111425
87-68-3	Hexachlorobutadiene	0.30	UQ	1	0.30	1.00	ug/L	11/14/25 15:00	VX111425
91-20-3	Naphthalene	0.20	U	1	0.20	1.00	ug/L	11/14/25 15:00	VX111425
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/14/25 15:00	VX111425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	51.9		74 - 125	104%	SPK: 50
1868-53-7	Dibromofluoromethane	57.4		75 - 124	115%	SPK: 50
2037-26-5	Toluene-d8	49.8		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.0		77 - 121	114%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	170000
540-36-3	1,4-Difluorobenzene	263000
3114-55-4	Chlorobenzene-d5	276000
3855-82-1	1,4-Dichlorobenzene-d4	147000



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

Report of Analysis

Client: Chemtech Consulting Group
Project: Weekly Storage Blanks
Client Sample ID: STORAGE-BLANK-WATE
Lab Sample ID: Q3643-02
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/07/25
Date Received: 11/14/25
SDG No.: Q3643
Matrix: Water
% Solid: 0
Test: VOC- Chemtech Full

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
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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\VX111425\
 Data File : VX048609.D
 Acq On : 14 Nov 2025 15:00
 Operator : JC/MD
 Sample : Q3643-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Quant Time: Nov 14 22:21:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	170242	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	262793	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	276084	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	147078	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	123174	51.924	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	103.840%
35) Dibromofluoromethane	5.373	113	114145	57.389	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	114.780%
50) Toluene-d8	8.635	98	308613	49.750	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.500%
62) 4-Bromofluorobenzene	11.061	95	131774	57.001	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	114.000%

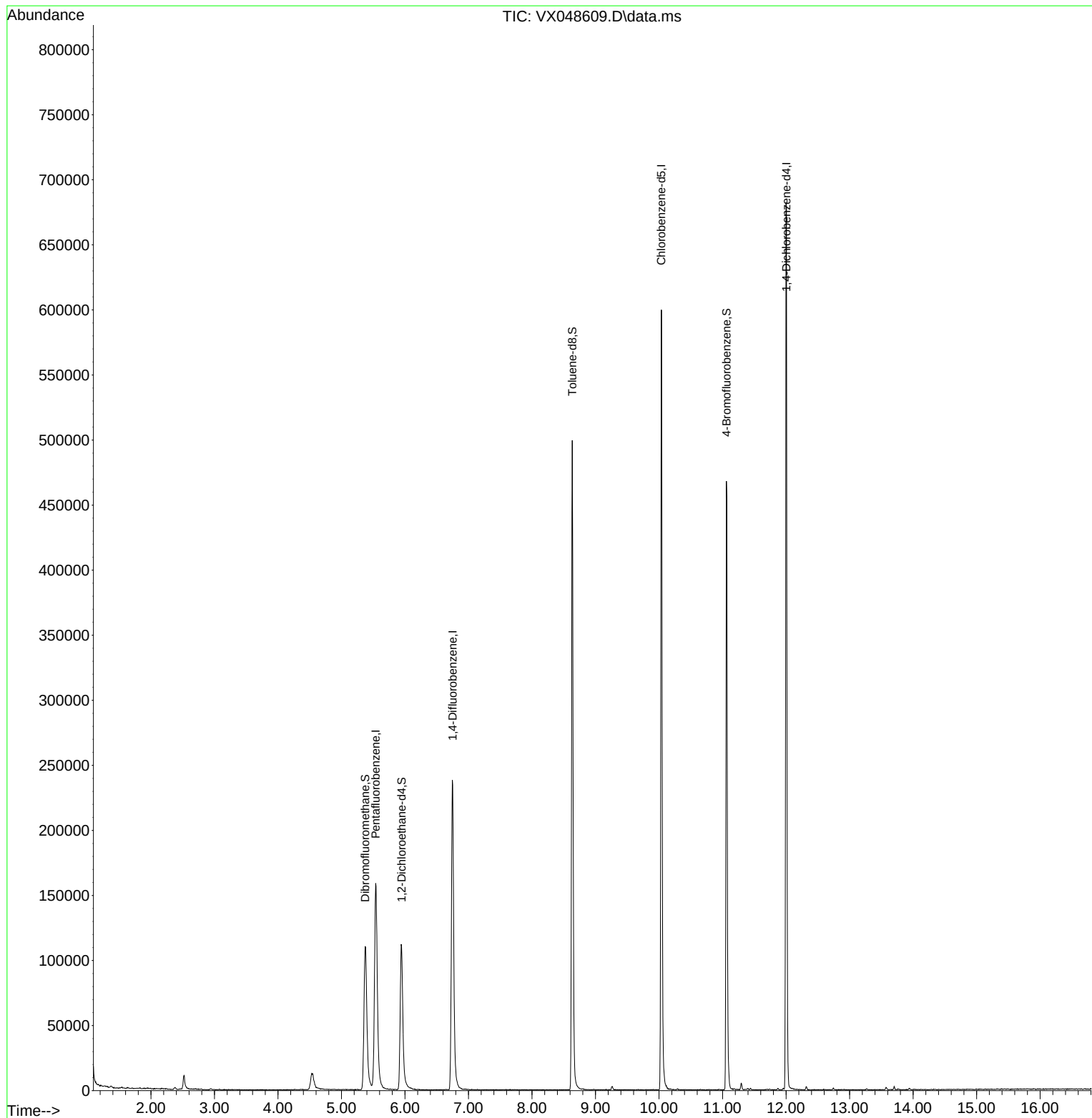
Target Compounds	Qvalue

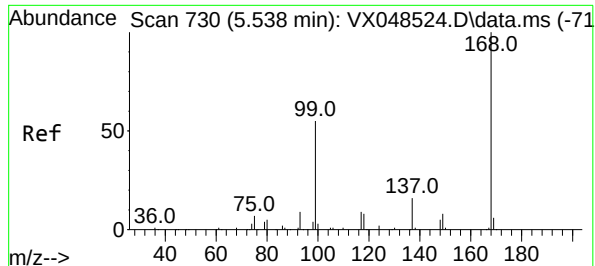
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111425\
Data File : VX048609.D
Acq On : 14 Nov 2025 15:00
Operator : JC/MD
Sample : Q3643-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

Quant Time: Nov 14 22:21:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

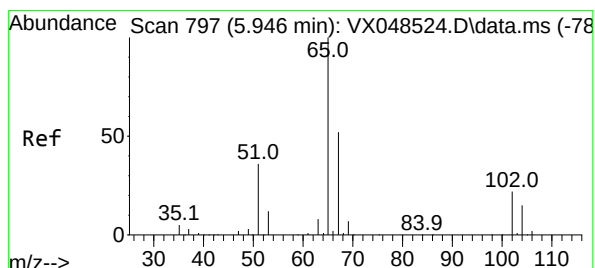
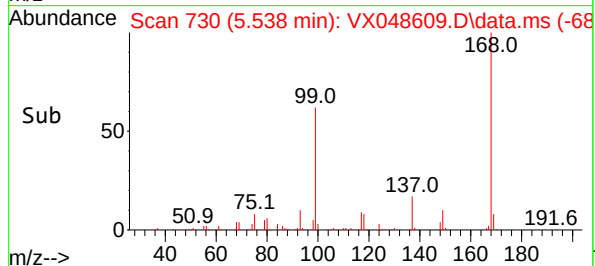
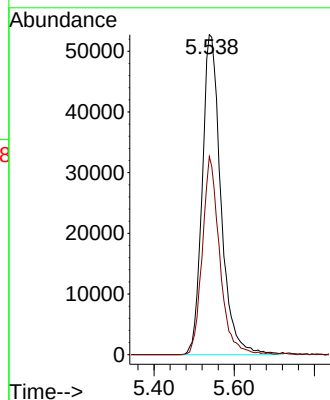
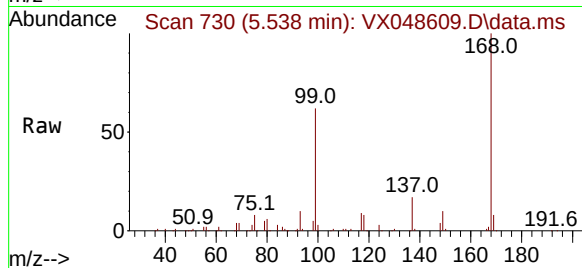




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048609.D
Acq: 14 Nov 2025 15:00

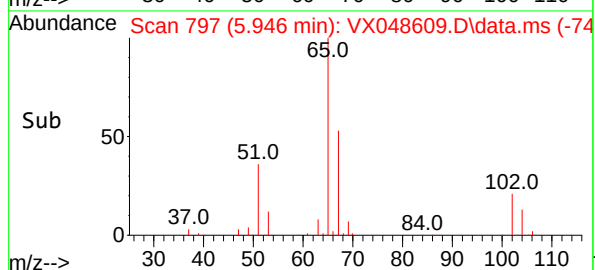
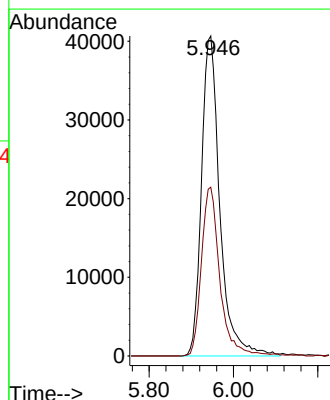
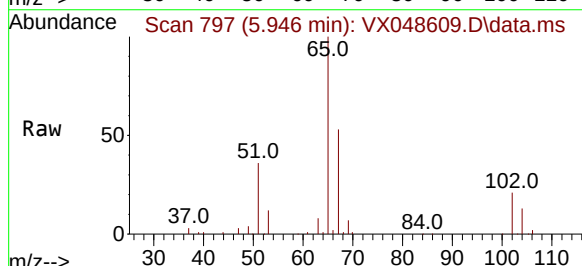
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

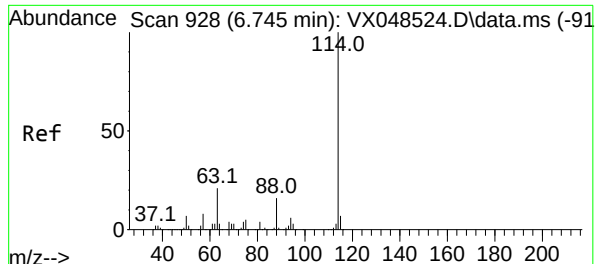
Tgt Ion:168 Resp: 170242
Ion Ratio Lower Upper
168 100
99 61.9 45.2 67.8



#33
1,2-Dichloroethane-d4
Concen: 51.924 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.000 min
Lab File: VX048609.D
Acq: 14 Nov 2025 15:00

Tgt Ion: 65 Resp: 123174
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX048609.D

Acq: 14 Nov 2025 15:00

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

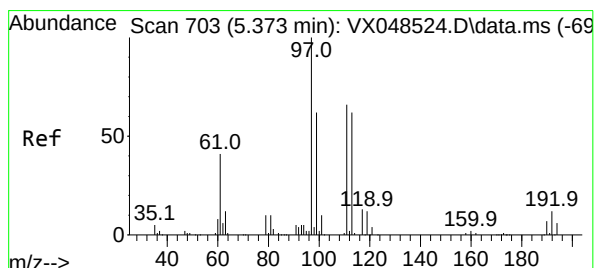
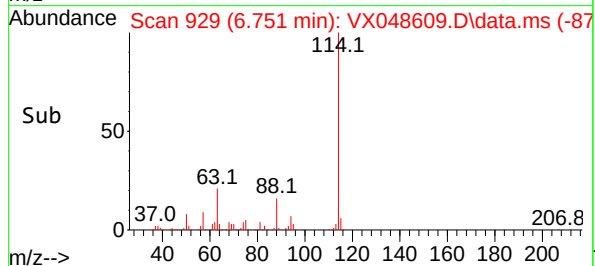
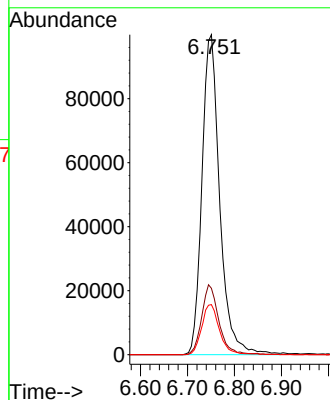
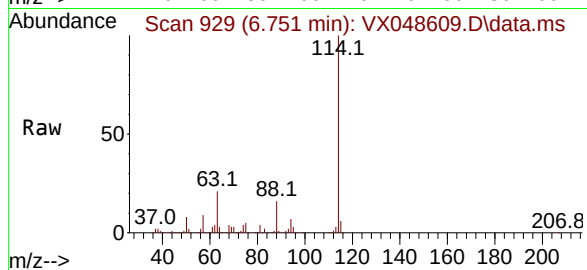
Tgt Ion:114 Resp: 262793

Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.2

88 15.7 0.0 32.2



#35

Dibromofluoromethane

Concen: 57.389 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048609.D

Acq: 14 Nov 2025 15:00

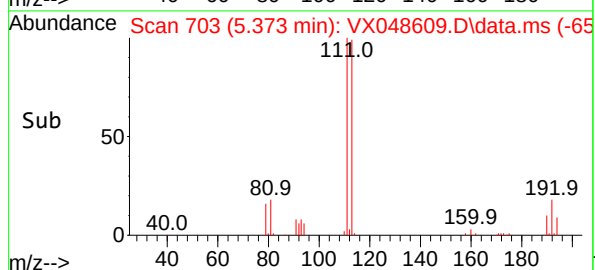
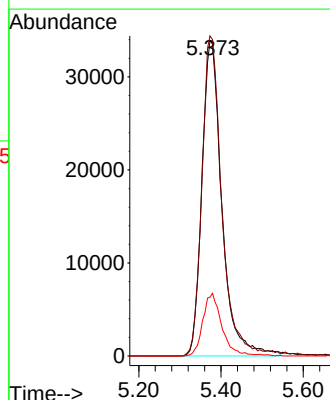
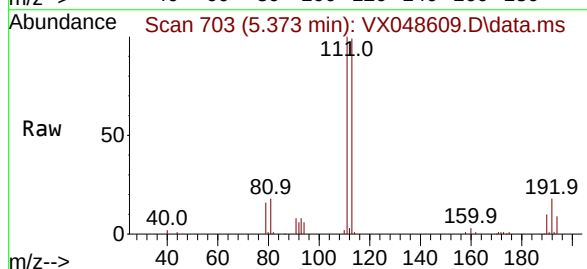
Tgt Ion:113 Resp: 114145

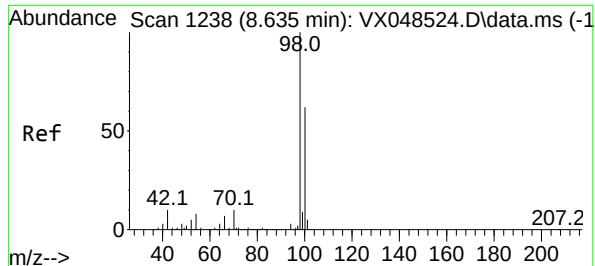
Ion Ratio Lower Upper

113 100

111 100.5 81.9 122.9

192 18.8 15.8 23.6





#50

Toluene-d8

Concen: 49.750 ug/l

RT: 8.635 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048609.D

Acq: 14 Nov 2025 15:00

Instrument :

MSVOA_X

ClientSampleId :

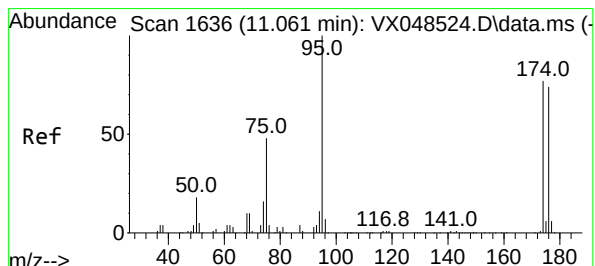
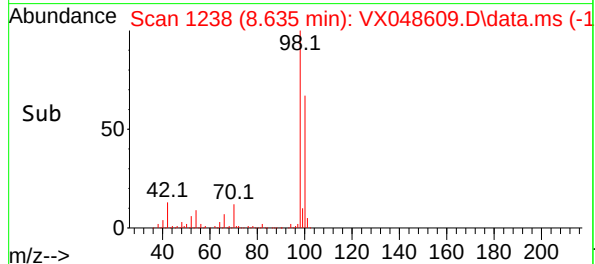
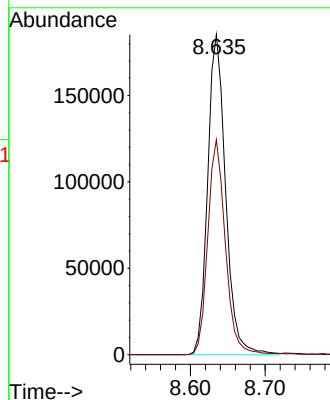
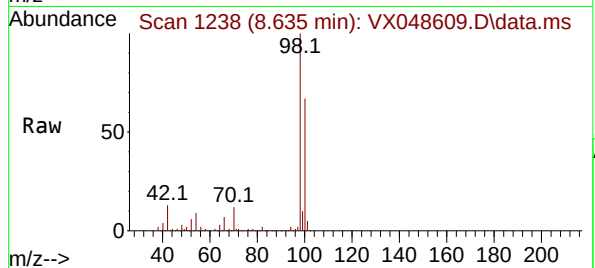
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 98 Resp: 308613

Ion Ratio Lower Upper

98 100

100 66.2 53.6 80.4



#62

4-Bromofluorobenzene

Concen: 57.001 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX048609.D

Acq: 14 Nov 2025 15:00

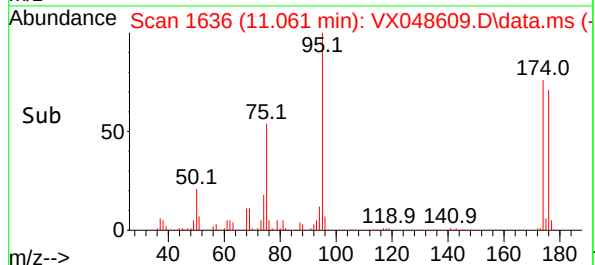
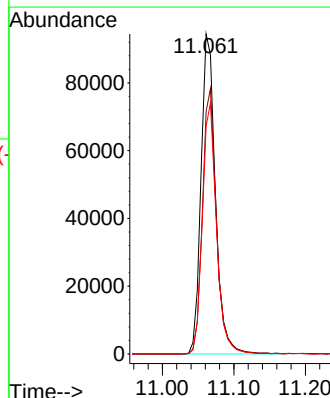
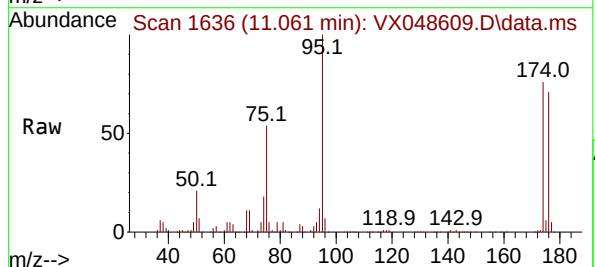
Tgt Ion: 95 Resp: 131774

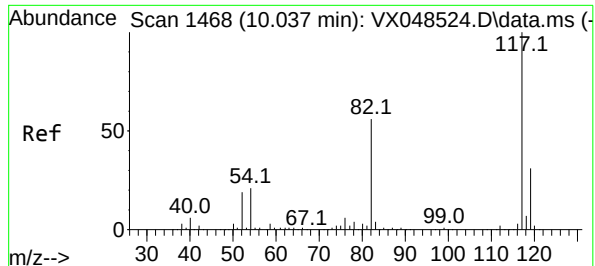
Ion Ratio Lower Upper

95 100

174 80.8 0.0 161.8

176 77.2 0.0 153.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048609.D

Acq: 14 Nov 2025 15:00

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

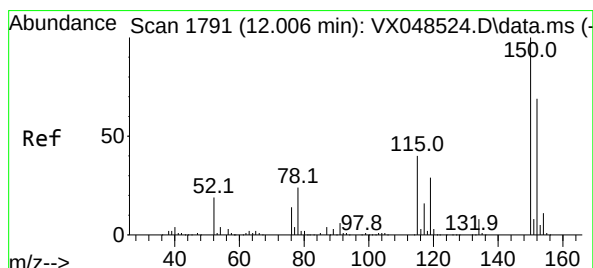
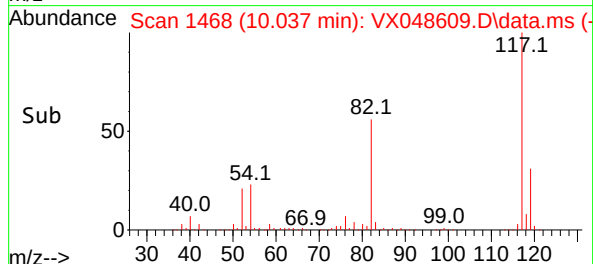
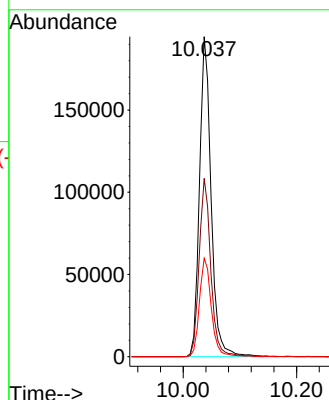
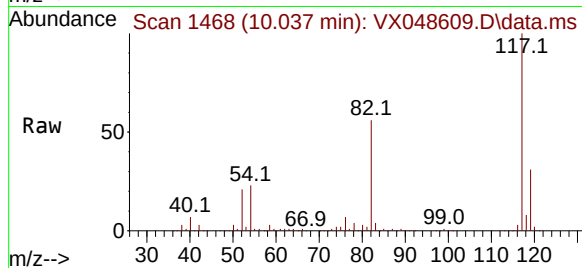
Tgt Ion:117 Resp: 276084

Ion Ratio Lower Upper

117 100

82 55.7 44.4 66.6

119 30.7 25.1 37.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048609.D

Acq: 14 Nov 2025 15:00

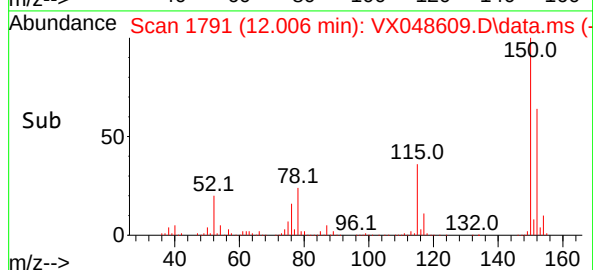
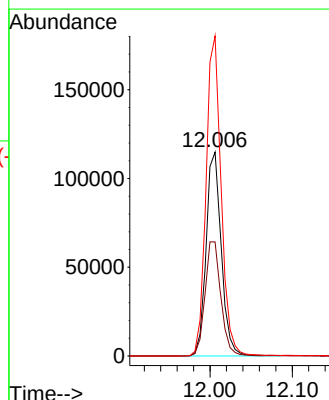
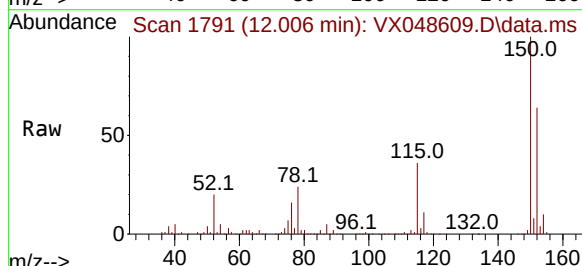
Tgt Ion:152 Resp: 147078

Ion Ratio Lower Upper

152 100

115 58.5 39.2 117.6

150 156.2 0.0 347.0



Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: STORAGE-BLANK-WATE
 Lab Sample ID: Q3643-03
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/07/25
 Date Received: 11/14/25
 SDG No.: Q3643
 Matrix: Water
 % Solid: 0
 Test: VOC- Chemtech Full

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.22	U	1	0.22	1.00	ug/L	11/17/25 13:18	VN111725
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/17/25 13:18	VN111725
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/17/25 13:18	VN111725
141-78-6	Ethyl Acetate	0.31	U	1	0.31	1.00	ug/L	11/17/25 13:18	VN111725
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/17/25 13:18	VN111725
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/17/25 13:18	VN111725
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/17/25 13:18	VN111725
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/17/25 13:18	VN111725
75-65-0	Tert butyl alcohol	5.50	U	1	5.50	25.0	ug/L	11/17/25 13:18	VN111725
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/17/25 13:18	VN111725
107-02-8	Acrolein	7.10	U	1	7.10	25.0	ug/L	11/17/25 13:18	VN111725
107-13-1	Acrylonitrile	0.83	UQ	1	0.83	5.00	ug/L	11/17/25 13:18	VN111725
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/17/25 13:18	VN111725
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/17/25 13:18	VN111725
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/17/25 13:18	VN111725
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/17/25 13:18	VN111725
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/17/25 13:18	VN111725
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/17/25 13:18	VN111725
108-05-4	Vinyl Acetate	0.66	U	1	0.66	5.00	ug/L	11/17/25 13:18	VN111725
75-34-3	1,1-Dichloroethane	0.23	UQ	1	0.23	1.00	ug/L	11/17/25 13:18	VN111725
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/17/25 13:18	VN111725
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/17/25 13:18	VN111725
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/17/25 13:18	VN111725
594-20-7	2,2-Dichloropropane	0.21	U	1	0.21	1.00	ug/L	11/17/25 13:18	VN111725
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/17/25 13:18	VN111725
74-97-5	Bromochloromethane	0.22	UQ	1	0.22	1.00	ug/L	11/17/25 13:18	VN111725
67-66-3	Chloroform	0.25	UQ	1	0.25	1.00	ug/L	11/17/25 13:18	VN111725
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/17/25 13:18	VN111725
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/17/25 13:18	VN111725
563-58-6	1,1-Dichloropropene	0.15	U	1	0.15	1.00	ug/L	11/17/25 13:18	VN111725
71-43-2	Benzene	0.15	UQ	1	0.15	1.00	ug/L	11/17/25 13:18	VN111725
107-06-2	1,2-Dichloroethane	0.22	UQ	1	0.22	1.00	ug/L	11/17/25 13:18	VN111725
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/17/25 13:18	VN111725
78-87-5	1,2-Dichloropropane	0.20	UQ	1	0.20	1.00	ug/L	11/17/25 13:18	VN111725
74-95-3	Dibromomethane	0.25	UQ	1	0.25	1.00	ug/L	11/17/25 13:18	VN111725
75-27-4	Bromodichloromethane	0.22	UQ	1	0.22	1.00	ug/L	11/17/25 13:18	VN111725
108-10-1	4-Methyl-2-Pentanone	0.68	UQ	1	0.68	5.00	ug/L	11/17/25 13:18	VN111725
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/17/25 13:18	VN111725
10061-02-6	t-1,3-Dichloropropene	0.17	UQ	1	0.17	1.00	ug/L	11/17/25 13:18	VN111725
10061-01-5	cis-1,3-Dichloropropene	0.16	UQ	1	0.16	1.00	ug/L	11/17/25 13:18	VN111725
79-00-5	1,1,2-Trichloroethane	0.21	UQ	1	0.21	1.00	ug/L	11/17/25 13:18	VN111725
142-28-9	1,3-Dichloropropane	0.19	UQ	1	0.19	1.00	ug/L	11/17/25 13:18	VN111725
110-75-8	2-Chloroethyl Vinyl ether	0.30	U	1	0.30	5.00	ug/L	11/17/25 13:18	VN111725

Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: STORAGE-BLANK-WATE
 Lab Sample ID: Q3643-03
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/07/25
 Date Received: 11/14/25
 SDG No.: Q3643
 Matrix: Water
 % Solid: 0
 Test: VOC- Chemtech Full

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
591-78-6	2-Hexanone	0.89	UQ	1	0.89	5.00	ug/L	11/17/25 13:18	VN111725
124-48-1	Dibromochloromethane	0.18	UQ	1	0.18	1.00	ug/L	11/17/25 13:18	VN111725
106-93-4	1,2-Dibromoethane	0.15	UQ	1	0.15	1.00	ug/L	11/17/25 13:18	VN111725
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/17/25 13:18	VN111725
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/17/25 13:18	VN111725
630-20-6	1,1,1,2-Tetrachloroethane	0.19	UQ	1	0.19	1.00	ug/L	11/17/25 13:18	VN111725
67-72-1	Hexachloroethane	0.32	U	1	0.32	1.00	ug/L	11/17/25 13:18	VN111725
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/17/25 13:18	VN111725
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/17/25 13:18	VN111725
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/17/25 13:18	VN111725
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/17/25 13:18	VN111725
75-25-2	Bromoform	0.19	UQ	1	0.19	1.00	ug/L	11/17/25 13:18	VN111725
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	11/17/25 13:18	VN111725
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/17/25 13:18	VN111725
96-18-4	1,2,3-Trichloropropane	0.35	U	1	0.35	1.00	ug/L	11/17/25 13:18	VN111725
108-86-1	Bromobenzene	0.24	U	1	0.24	1.00	ug/L	11/17/25 13:18	VN111725
103-65-1	n-propylbenzene	0.13	U	1	0.13	1.00	ug/L	11/17/25 13:18	VN111725
95-49-8	2-Chlorotoluene	0.14	U	1	0.14	1.00	ug/L	11/17/25 13:18	VN111725
108-67-8	1,3,5-Trimethylbenzene	0.15	U	1	0.15	1.00	ug/L	11/17/25 13:18	VN111725
106-43-4	4-Chlorotoluene	0.13	U	1	0.13	1.00	ug/L	11/17/25 13:18	VN111725
98-06-6	tert-Butylbenzene	0.14	U	1	0.14	1.00	ug/L	11/17/25 13:18	VN111725
95-63-6	1,2,4-Trimethylbenzene	0.14	U	1	0.14	1.00	ug/L	11/17/25 13:18	VN111725
135-98-8	sec-Butylbenzene	0.13	U	1	0.13	1.00	ug/L	11/17/25 13:18	VN111725
99-87-6	p-Isopropyltoluene	0.13	U	1	0.13	1.00	ug/L	11/17/25 13:18	VN111725
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/17/25 13:18	VN111725
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/17/25 13:18	VN111725
104-51-8	n-Butylbenzene	0.15	U	1	0.15	1.00	ug/L	11/17/25 13:18	VN111725
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/17/25 13:18	VN111725
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/17/25 13:18	VN111725
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/17/25 13:18	VN111725
87-68-3	Hexachlorobutadiene	0.30	U	1	0.30	1.00	ug/L	11/17/25 13:18	VN111725
91-20-3	Naphthalene	0.20	U	1	0.20	1.00	ug/L	11/17/25 13:18	VN111725
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/17/25 13:18	VN111725

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	55.3		74 - 125	111%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		75 - 124	99%	SPK: 50
2037-26-5	Toluene-d8	45.5		86 - 113	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		77 - 121	95%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	181000
540-36-3	1,4-Difluorobenzene	409000
3114-55-4	Chlorobenzene-d5	397000
3855-82-1	1,4-Dichlorobenzene-d4	187000



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

Report of Analysis

Client: Chemtech Consulting Group
Project: Weekly Storage Blanks
Client Sample ID: STORAGE-BLANK-WATE
Lab Sample ID: Q3643-03
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/07/25
Date Received: 11/14/25
SDG No.: Q3643
Matrix: Water
% Solid: 0
Test: VOC- Chemtech Full

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
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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_N\Data\VN111725\
 Data File : VN088299.D
 Acq On : 17 Nov 2025 13:18
 Operator : JC\MD
 Sample : Q3643-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Quant Time: Nov 18 03:00:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	180533	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	408977	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	396641	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	187205	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	172614	55.293	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.580%
35) Dibromofluoromethane	8.153	113	135916	49.468	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.940%
50) Toluene-d8	10.547	98	481854	45.515	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.040%
62) 4-Bromofluorobenzene	12.829	95	176690	47.258	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.520%

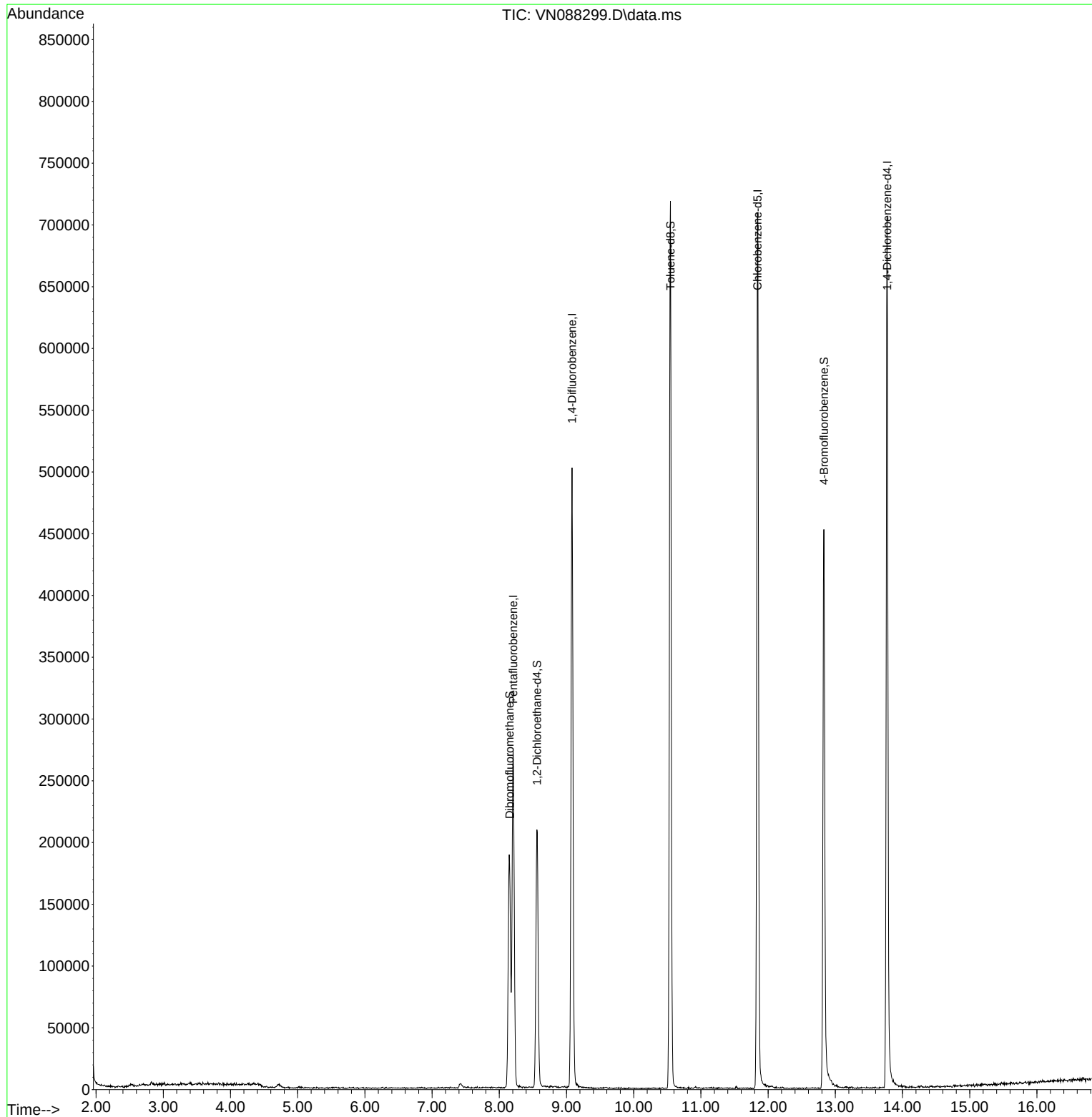
Target Compounds	Qvalue

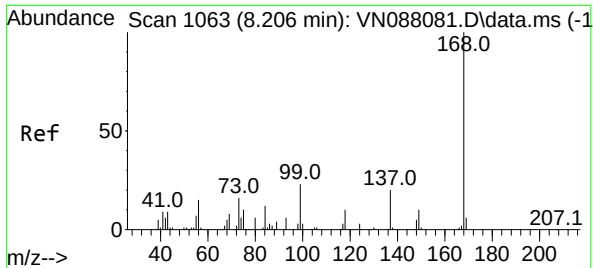
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111725\
Data File : VN088299.D
Acq On : 17 Nov 2025 13:18
Operator : JC\MD
Sample : Q3643-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

Quant Time: Nov 18 03:00:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 03 01:16:06 2025
Response via : Initial Calibration

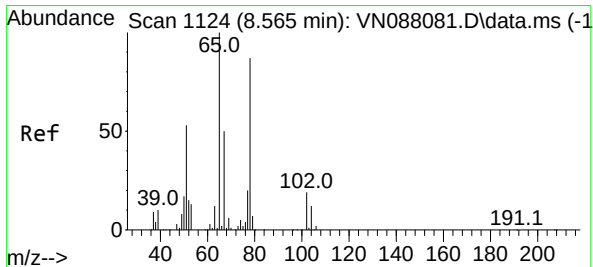
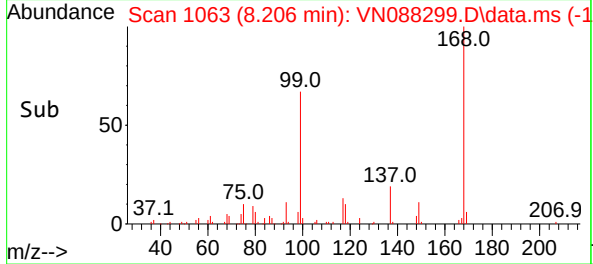
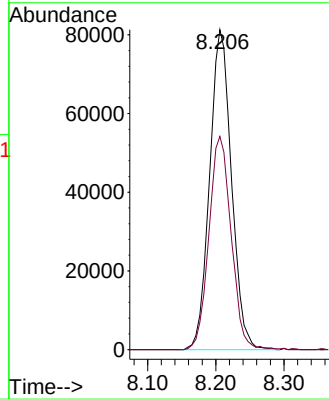
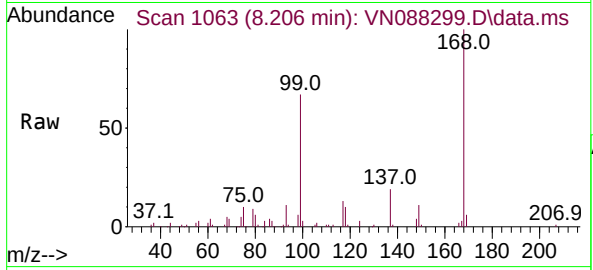




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088299.D
Acq: 17 Nov 2025 13:18

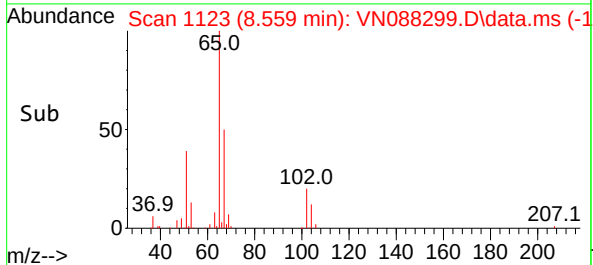
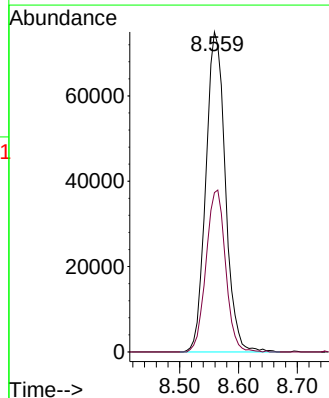
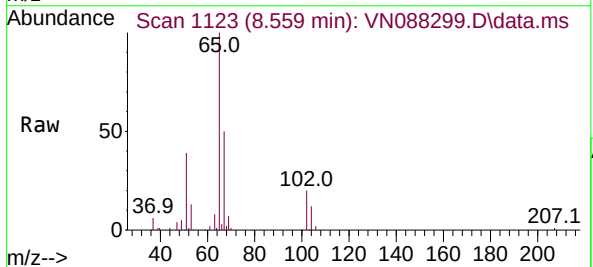
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

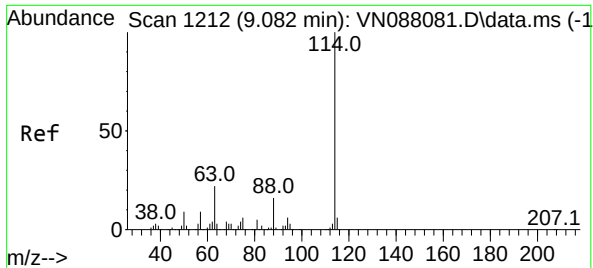
Tgt Ion:168 Resp: 180533
Ion Ratio Lower Upper
168 100
99 66.6 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 55.293 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088299.D
Acq: 17 Nov 2025 13:18

Tgt Ion: 65 Resp: 172614
Ion Ratio Lower Upper
65 100
67 50.6 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN088299.D

Acq: 17 Nov 2025 13:18

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

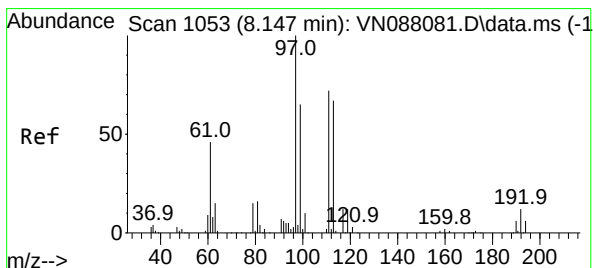
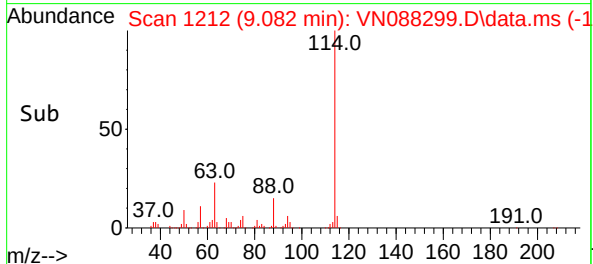
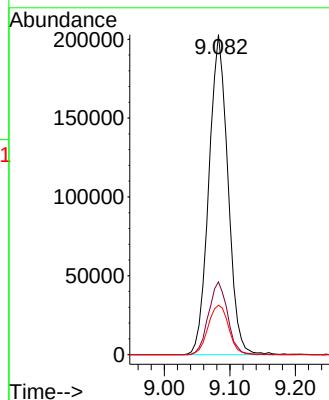
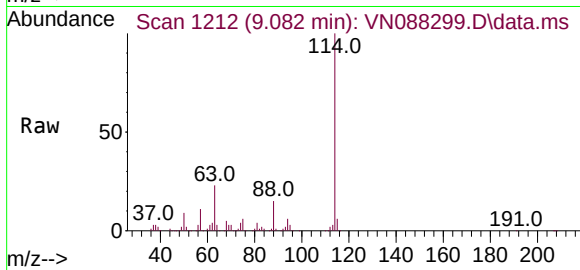
Tgt Ion:114 Resp: 408977

Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.2

88 15.4 0.0 33.4



#35

Dibromofluoromethane

Concen: 49.468 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VN088299.D

Acq: 17 Nov 2025 13:18

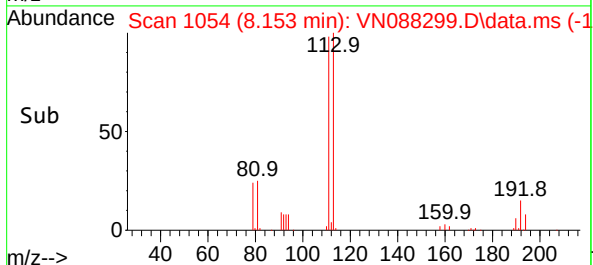
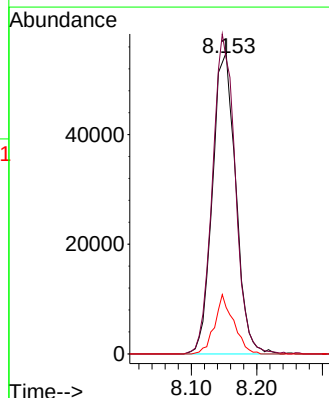
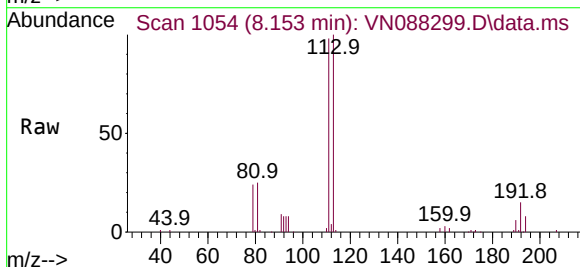
Tgt Ion:113 Resp: 135916

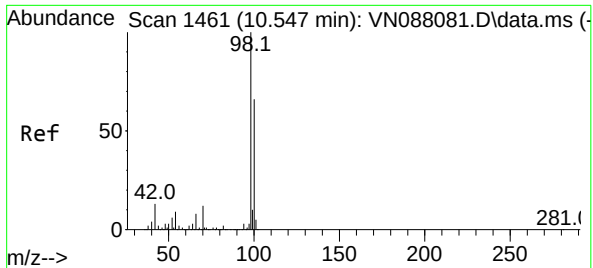
Ion Ratio Lower Upper

113 100

111 104.0 82.8 124.2

192 16.0 12.8 19.2

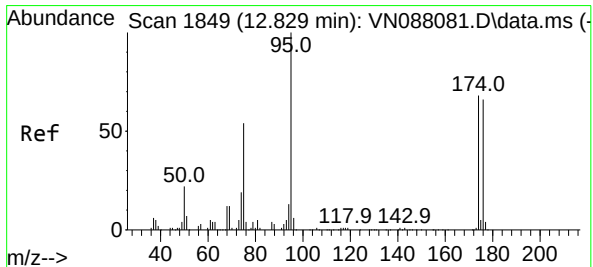
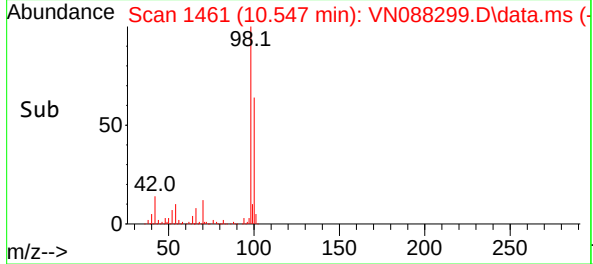
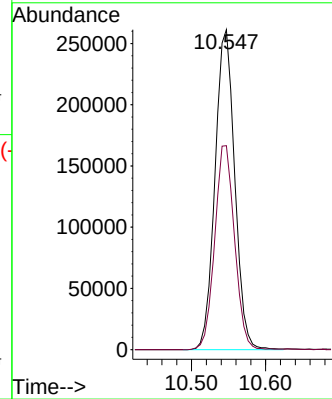
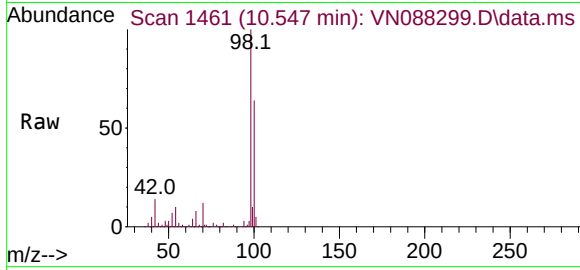




#50
Toluene-d8
Concen: 45.515 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088299.D
Acq: 17 Nov 2025 13:18

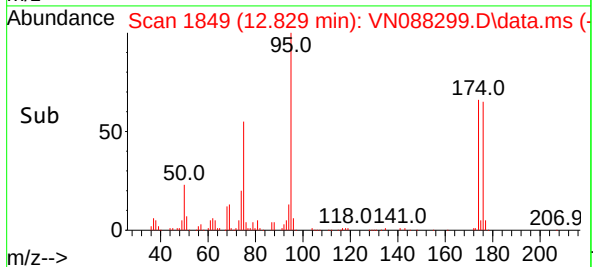
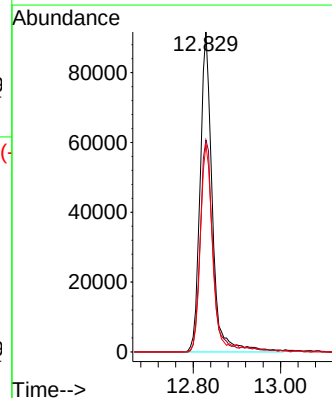
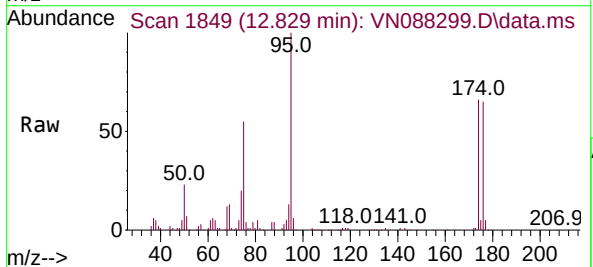
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

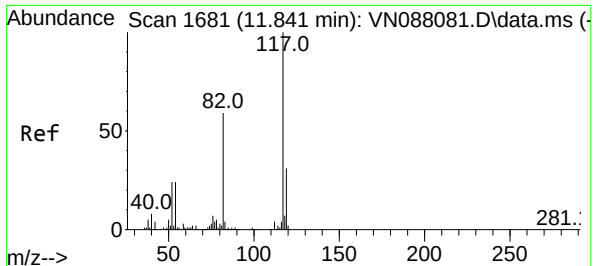
Tgt Ion: 98 Resp: 481854
Ion Ratio Lower Upper
98 100
100 64.3 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 47.258 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088299.D
Acq: 17 Nov 2025 13:18

Tgt Ion: 95 Resp: 176690
Ion Ratio Lower Upper
95 100
174 68.0 0.0 138.4
176 67.6 0.0 132.6

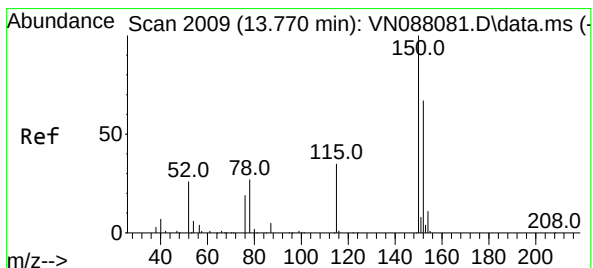
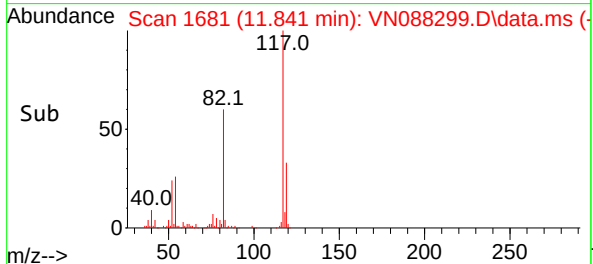
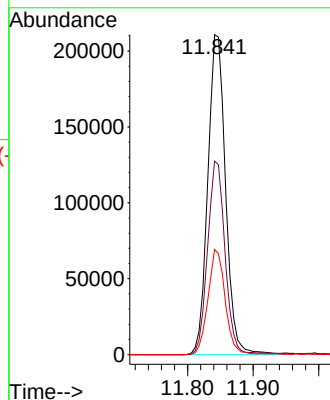
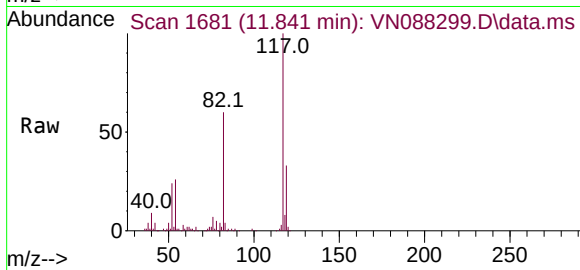




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088299.D
Acq: 17 Nov 2025 13:18

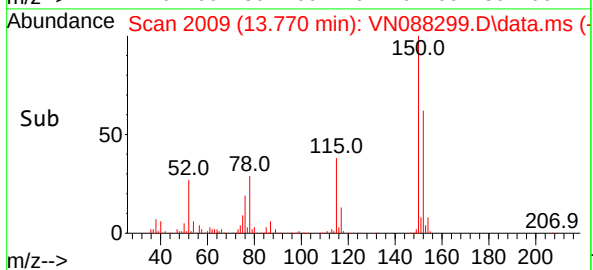
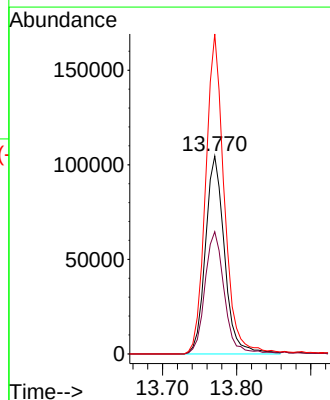
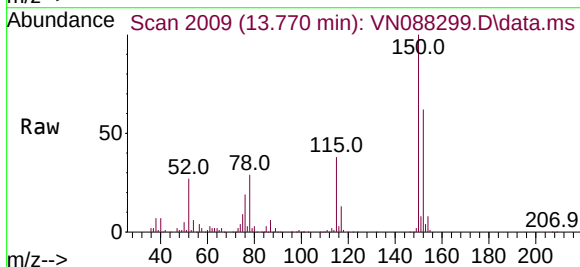
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.5	47.4	71.2
119	32.9	24.3	36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088299.D
Acq: 17 Nov 2025 13:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.7	32.3	96.8
150	158.1	0.0	351.0



Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: STORAGE-BLANK-SAMP
 Lab Sample ID: Q3643-04
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/07/25
 Date Received: 11/14/25
 SDG No.: Q3643
 Matrix: Water
 % Solid: 0
 Test: VOC- Chemtech Full

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.22	U	1	0.22	1.00	ug/L	11/14/25 15:41	VX111425
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/14/25 15:41	VX111425
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/14/25 15:41	VX111425
141-78-6	Ethyl Acetate	0.31	U	1	0.31	1.00	ug/L	11/14/25 15:41	VX111425
74-83-9	Bromomethane	1.40	UQ	1	1.40	5.00	ug/L	11/14/25 15:41	VX111425
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/14/25 15:41	VX111425
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/14/25 15:41	VX111425
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/14/25 15:41	VX111425
75-65-0	Tert butyl alcohol	5.50	U	1	5.50	25.0	ug/L	11/14/25 15:41	VX111425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/14/25 15:41	VX111425
107-02-8	Acrolein	7.10	U	1	7.10	25.0	ug/L	11/14/25 15:41	VX111425
107-13-1	Acrylonitrile	0.83	U	1	0.83	5.00	ug/L	11/14/25 15:41	VX111425
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/14/25 15:41	VX111425
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/14/25 15:41	VX111425
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/14/25 15:41	VX111425
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/14/25 15:41	VX111425
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/14/25 15:41	VX111425
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/14/25 15:41	VX111425
108-05-4	Vinyl Acetate	0.66	U	1	0.66	5.00	ug/L	11/14/25 15:41	VX111425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/14/25 15:41	VX111425
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/14/25 15:41	VX111425
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/14/25 15:41	VX111425
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/14/25 15:41	VX111425
594-20-7	2,2-Dichloropropane	0.21	U	1	0.21	1.00	ug/L	11/14/25 15:41	VX111425
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/14/25 15:41	VX111425
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/14/25 15:41	VX111425
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/14/25 15:41	VX111425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/14/25 15:41	VX111425
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/14/25 15:41	VX111425
563-58-6	1,1-Dichloropropene	0.15	UQ	1	0.15	1.00	ug/L	11/14/25 15:41	VX111425
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/14/25 15:41	VX111425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/14/25 15:41	VX111425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/14/25 15:41	VX111425
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/14/25 15:41	VX111425
74-95-3	Dibromomethane	0.25	U	1	0.25	1.00	ug/L	11/14/25 15:41	VX111425
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/14/25 15:41	VX111425
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/14/25 15:41	VX111425
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/14/25 15:41	VX111425
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/14/25 15:41	VX111425
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/14/25 15:41	VX111425
79-00-5	1,1,2-Trichloroethane	0.21	UQ	1	0.21	1.00	ug/L	11/14/25 15:41	VX111425
142-28-9	1,3-Dichloropropane	0.19	U	1	0.19	1.00	ug/L	11/14/25 15:41	VX111425
110-75-8	2-Chloroethyl Vinyl ether	0.30	U	1	0.30	5.00	ug/L	11/14/25 15:41	VX111425

Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: STORAGE-BLANK-SAMP
 Lab Sample ID: Q3643-04
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/07/25
 Date Received: 11/14/25
 SDG No.: Q3643
 Matrix: Water
 % Solid: 0
 Test: VOC- Chemtech Full

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/14/25 15:41	VX111425
124-48-1	Dibromochloromethane	0.18	UQ	1	0.18	1.00	ug/L	11/14/25 15:41	VX111425
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/14/25 15:41	VX111425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/14/25 15:41	VX111425
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/14/25 15:41	VX111425
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	1	0.19	1.00	ug/L	11/14/25 15:41	VX111425
67-72-1	Hexachloroethane	0.32	U	1	0.32	1.00	ug/L	11/14/25 15:41	VX111425
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/14/25 15:41	VX111425
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/14/25 15:41	VX111425
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/14/25 15:41	VX111425
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/14/25 15:41	VX111425
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/14/25 15:41	VX111425
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	11/14/25 15:41	VX111425
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/14/25 15:41	VX111425
96-18-4	1,2,3-Trichloropropane	0.35	U	1	0.35	1.00	ug/L	11/14/25 15:41	VX111425
108-86-1	Bromobenzene	0.24	U	1	0.24	1.00	ug/L	11/14/25 15:41	VX111425
103-65-1	n-propylbenzene	0.13	U	1	0.13	1.00	ug/L	11/14/25 15:41	VX111425
95-49-8	2-Chlorotoluene	0.14	U	1	0.14	1.00	ug/L	11/14/25 15:41	VX111425
108-67-8	1,3,5-Trimethylbenzene	0.15	U	1	0.15	1.00	ug/L	11/14/25 15:41	VX111425
106-43-4	4-Chlorotoluene	0.13	U	1	0.13	1.00	ug/L	11/14/25 15:41	VX111425
98-06-6	tert-Butylbenzene	0.14	U	1	0.14	1.00	ug/L	11/14/25 15:41	VX111425
95-63-6	1,2,4-Trimethylbenzene	0.14	U	1	0.14	1.00	ug/L	11/14/25 15:41	VX111425
135-98-8	sec-Butylbenzene	0.13	U	1	0.13	1.00	ug/L	11/14/25 15:41	VX111425
99-87-6	p-Isopropyltoluene	0.13	U	1	0.13	1.00	ug/L	11/14/25 15:41	VX111425
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/14/25 15:41	VX111425
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/14/25 15:41	VX111425
104-51-8	n-Butylbenzene	0.15	U	1	0.15	1.00	ug/L	11/14/25 15:41	VX111425
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/14/25 15:41	VX111425
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/14/25 15:41	VX111425
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/14/25 15:41	VX111425
87-68-3	Hexachlorobutadiene	0.30	UQ	1	0.30	1.00	ug/L	11/14/25 15:41	VX111425
91-20-3	Naphthalene	0.20	U	1	0.20	1.00	ug/L	11/14/25 15:41	VX111425
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/14/25 15:41	VX111425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	58.6		74 - 125	117%	SPK: 50
1868-53-7	Dibromofluoromethane	47.6		75 - 124	95%	SPK: 50
2037-26-5	Toluene-d8	51.0		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.2		77 - 121	114%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	152000
540-36-3	1,4-Difluorobenzene	287000
3114-55-4	Chlorobenzene-d5	309000
3855-82-1	1,4-Dichlorobenzene-d4	197000



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

Report of Analysis

Client: Chemtech Consulting Group
Project: Weekly Storage Blanks
Client Sample ID: STORAGE-BLANK-SAMP
Lab Sample ID: Q3643-04
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/07/25
Date Received: 11/14/25
SDG No.: Q3643
Matrix: Water
% Solid: 0
Test: VOC- Chemtech Full

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
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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\VX111425\
 Data File : VX048611.D
 Acq On : 14 Nov 2025 15:41
 Operator : JC/MD
 Sample : Q3643-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANAGEMENT

Quant Time: Nov 14 22:22:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	152243	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	286864	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	308578	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	197471	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	124339	58.612	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	117.220%#
35) Dibromofluoromethane	5.379	113	103413	47.630	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.260%
50) Toluene-d8	8.635	98	345208	50.979	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.960%
62) 4-Bromofluorobenzene	11.067	95	144236	57.157	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	114.320%

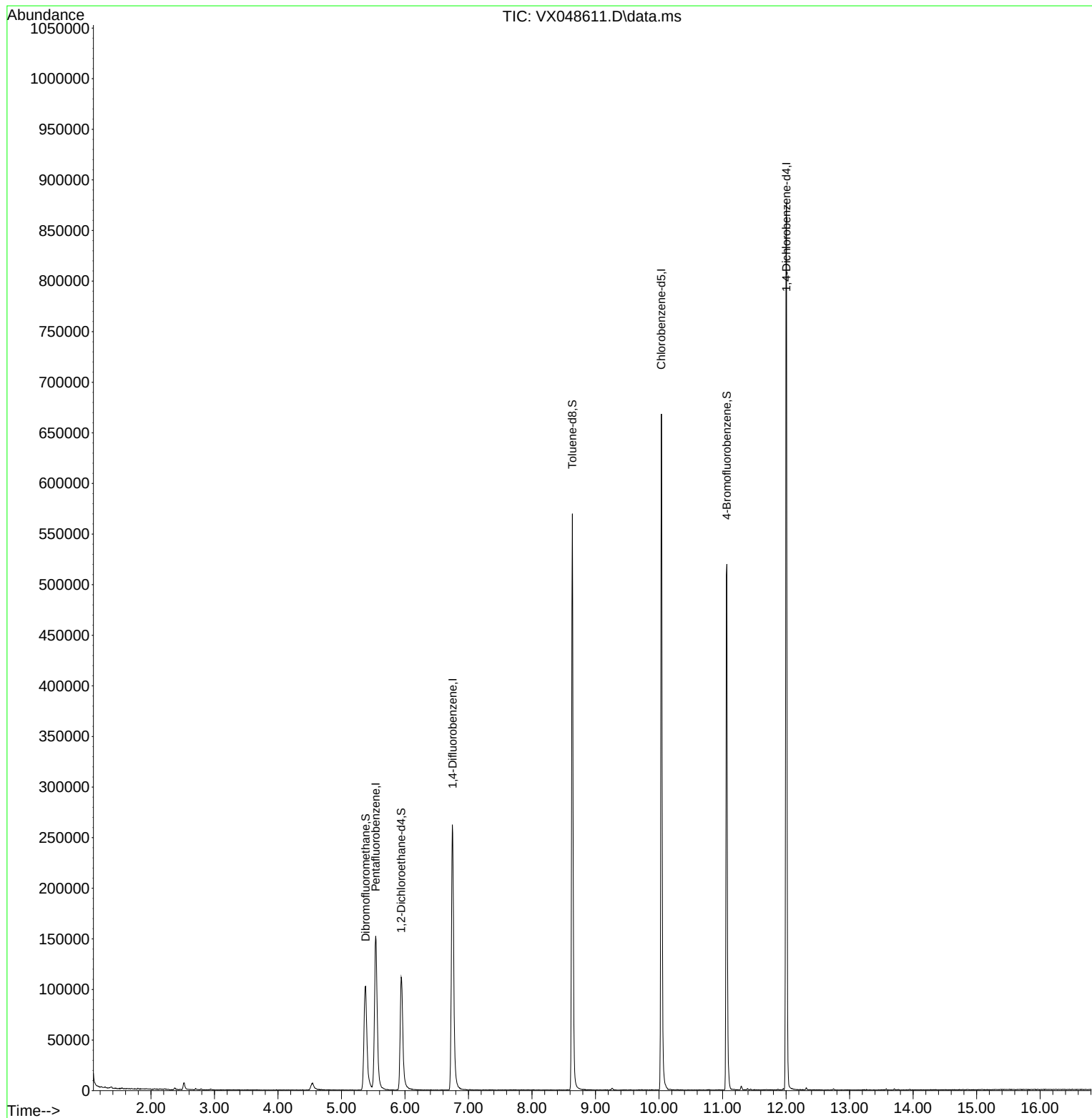
Target Compounds	Qvalue

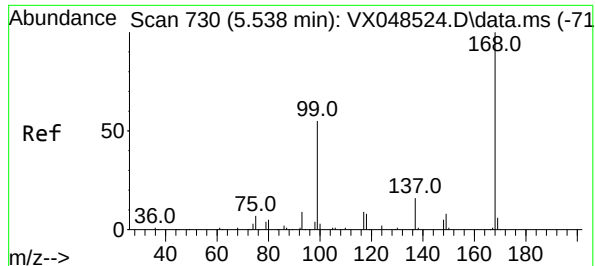
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111425\
Data File : VX048611.D
Acq On : 14 Nov 2025 15:41
Operator : JC/MD
Sample : Q3643-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

Quant Time: Nov 14 22:22:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

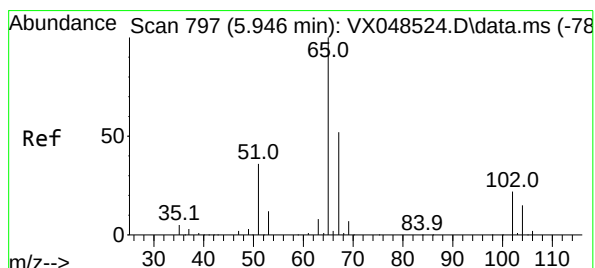
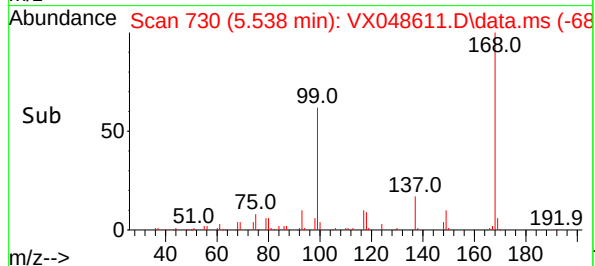
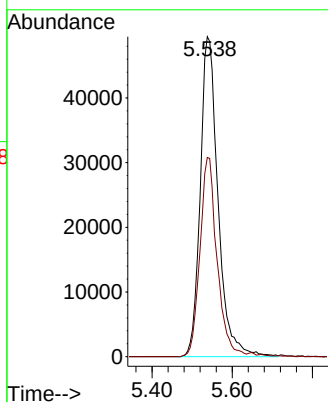
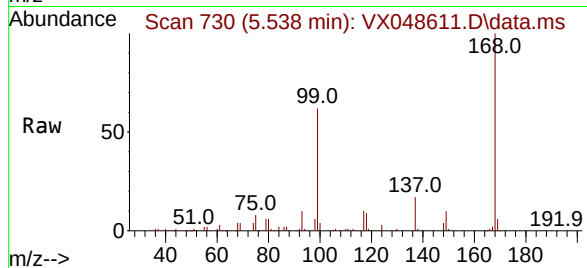




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048611.D
Acq: 14 Nov 2025 15:41

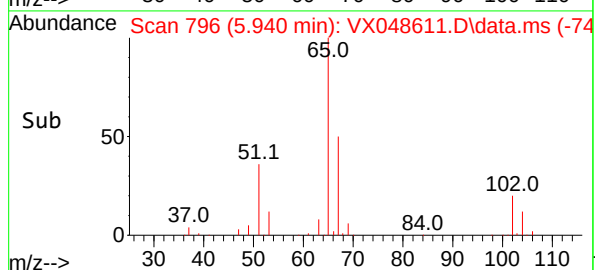
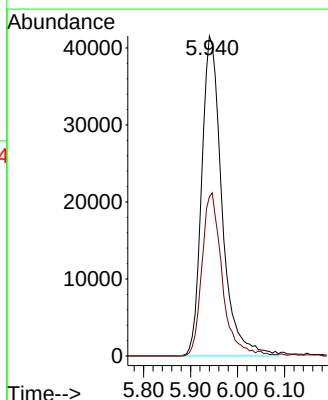
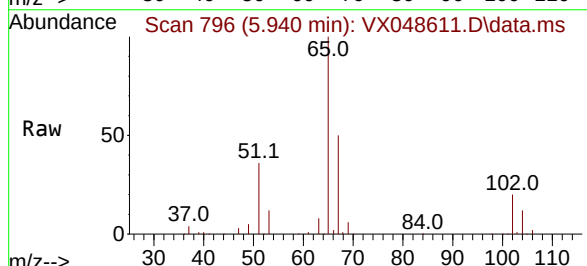
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

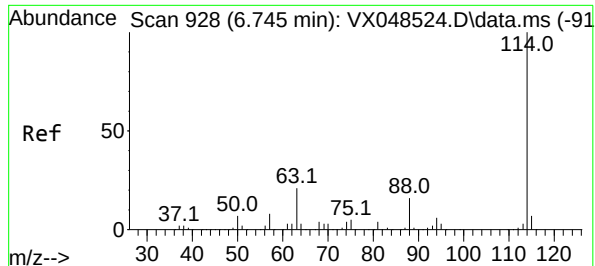
Tgt Ion:168 Resp: 152243
Ion Ratio Lower Upper
168 100
99 62.2 45.2 67.8



#33
1,2-Dichloroethane-d4
Concen: 58.612 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.006 min
Lab File: VX048611.D
Acq: 14 Nov 2025 15:41

Tgt Ion: 65 Resp: 124339
Ion Ratio Lower Upper
65 100
67 50.9 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX048611.D

Acq: 14 Nov 2025 15:41

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANAGEMENT

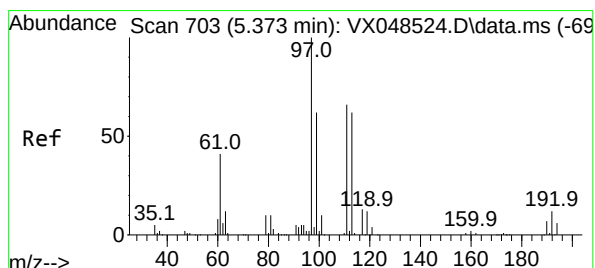
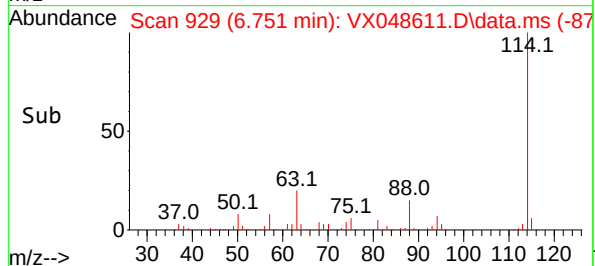
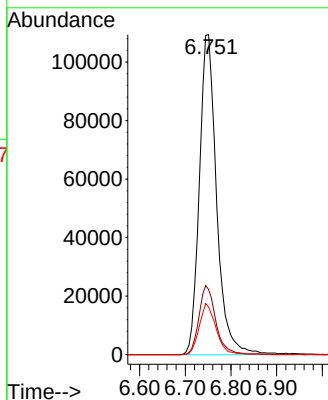
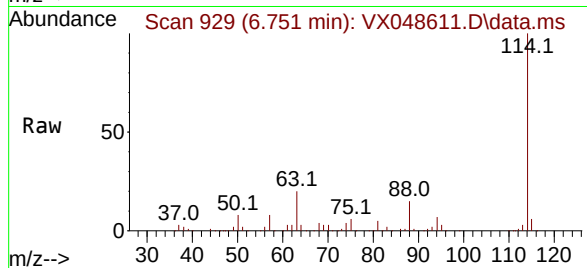
Tgt Ion:114 Resp: 286864

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.2

88 14.9 0.0 32.2



#35

Dibromofluoromethane

Concen: 47.630 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX048611.D

Acq: 14 Nov 2025 15:41

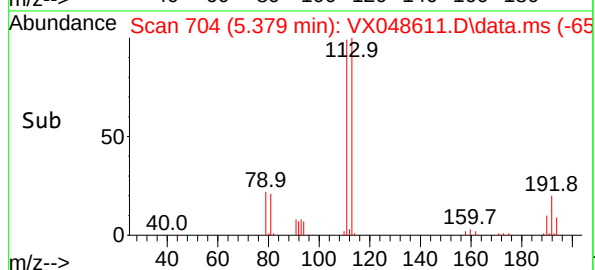
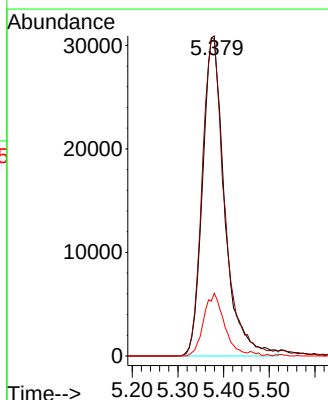
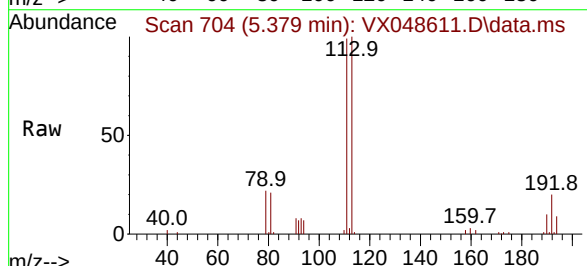
Tgt Ion:113 Resp: 103413

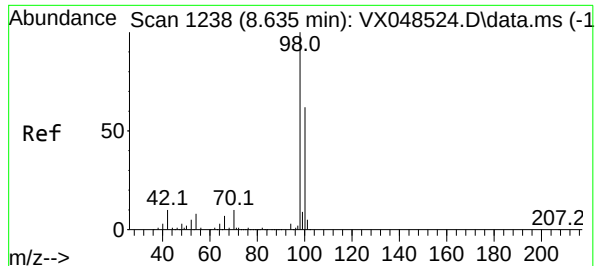
Ion Ratio Lower Upper

113 100

111 101.0 81.9 122.9

192 18.4 15.8 23.6





#50

Toluene-d8

Concen: 50.979 ug/l

RT: 8.635 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048611.D

Acq: 14 Nov 2025 15:41

Instrument :

MSVOA_X

ClientSampleId :

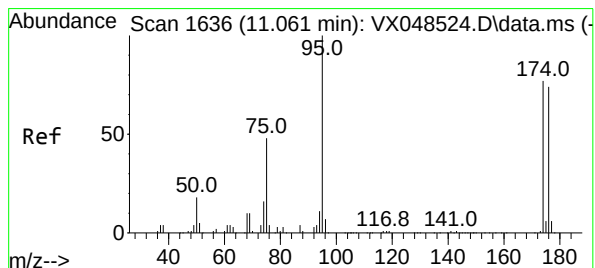
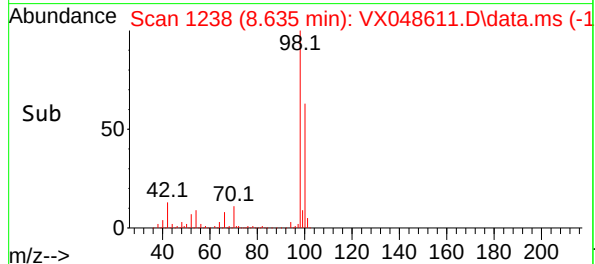
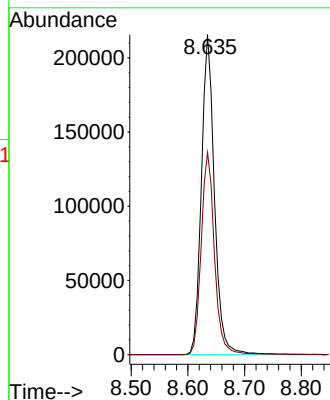
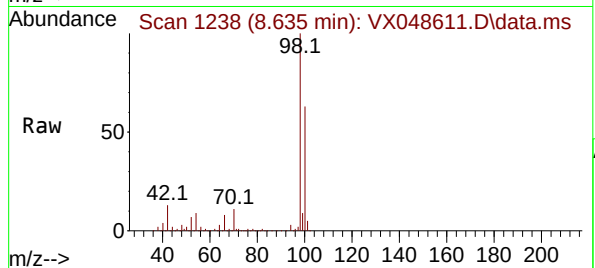
STORAGE-BLANK-SAMPLE-MANAGEMENT

Tgt Ion: 98 Resp: 345208

Ion Ratio Lower Upper

98 100

100 64.2 53.6 80.4



#62

4-Bromofluorobenzene

Concen: 57.157 ug/l

RT: 11.067 min Scan# 1637

Delta R.T. 0.006 min

Lab File: VX048611.D

Acq: 14 Nov 2025 15:41

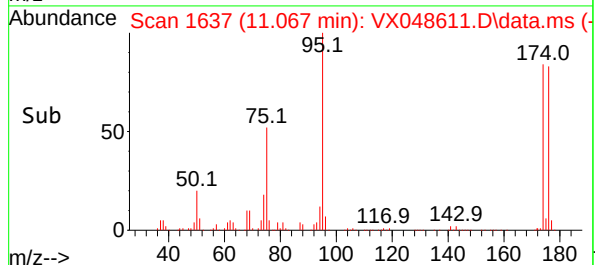
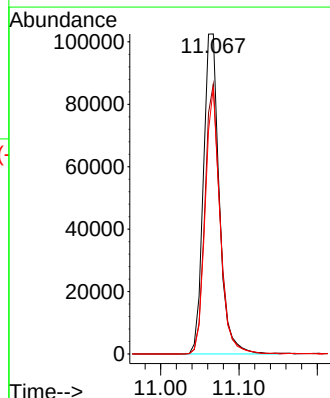
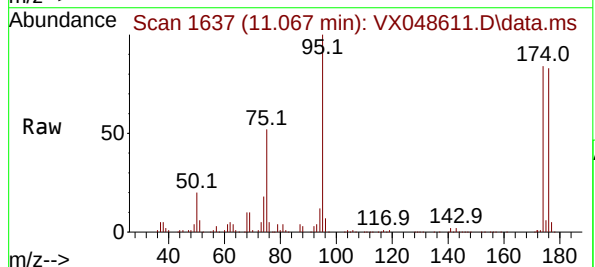
Tgt Ion: 95 Resp: 144236

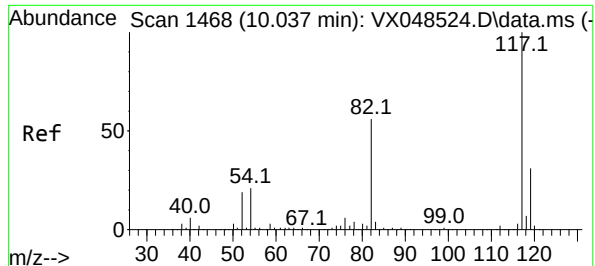
Ion Ratio Lower Upper

95 100

174 80.8 0.0 161.8

176 77.8 0.0 153.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048611.D

Acq: 14 Nov 2025 15:41

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANAGEMENT

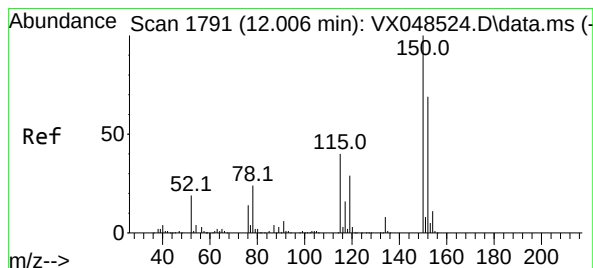
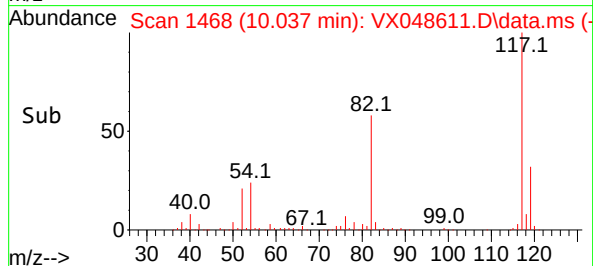
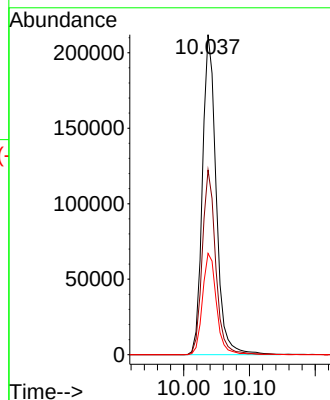
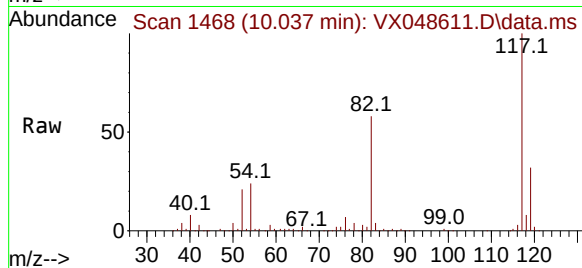
Tgt Ion:117 Resp: 308578

Ion Ratio Lower Upper

117 100

82 57.7 44.4 66.6

119 31.7 25.1 37.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048611.D

Acq: 14 Nov 2025 15:41

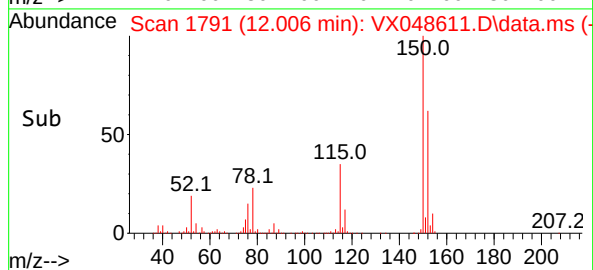
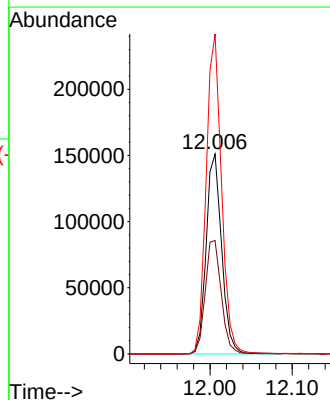
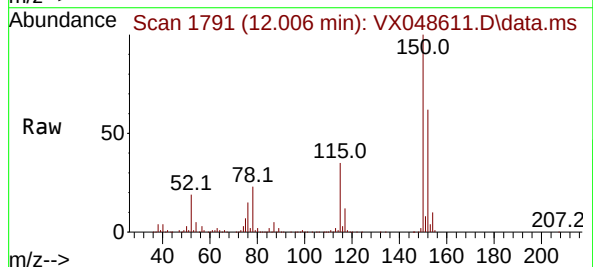
Tgt Ion:152 Resp: 197471

Ion Ratio Lower Upper

152 100

115 59.2 39.2 117.6

150 159.0 0.0 347.0





CALIBRATION SUMMARY



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: CHEM02
 Lab Code: ACE SDG No.: Q3643
 Instrument ID: MSVOA_N Calibration Date(s): 10/23/2025 10/23/2025
 Heated Purge: (Y/N) N Calibration Time(s): 09:42 12:02
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF001 = VN088078.D		RRF005 = VN088079.D		RRF020 = VN088080.D			
		RRF050 = VN088081.D		RRF100 = VN088082.D		RRF150 = VN088083.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Dichlorodifluoromethane	0.606	0.645	0.594	0.458	0.493	0.588	0.564	12.8	
Chloromethane	0.782	0.707	0.725	0.519	0.579	0.669	0.664	14.7	
Vinyl Chloride	0.801	0.784	0.787	0.581	0.639	0.746	0.723	12.6	
Ethyl Acetate	0.742	0.656	0.676	0.491	0.579	0.653	0.633	13.7	
Bromomethane		0.527	0.485	0.341	0.389	0.420	0.432	17.2	
Chloroethane	0.598	0.601	0.558	0.413	0.447	0.509	0.521	15.2	
Trichlorofluoromethane	1.199	1.317	1.246	0.955	1.031	1.171	1.153	11.8	
1,1,2-Trichlorotrifluoroethane	0.637	0.632	0.612	0.476	0.561	0.653	0.595	11.2	
Tert butyl alcohol		0.164	0.170	0.116	0.151	0.144	0.149	14.2	
1,1-Dichloroethene	0.806	0.686	0.631	0.462	0.547	0.637	0.628	18.7	
Acrolein		0.196	0.172	0.124	0.163	0.183	0.168	16.3	
Acrylonitrile	0.398	0.423	0.452	0.324	0.426	0.413	0.406	10.8	
Acetone	0.563	0.441	0.440	0.319	0.411	0.431	0.434	17.9	
Carbon Disulfide	2.143	2.041	1.984	1.483	1.917	1.895	1.910	11.9	
Methyl tert-butyl Ether	2.356	2.498	2.493	1.790	2.370	2.342	2.308	11.4	
Methyl Acetate	0.982	0.910	0.980	0.688	0.896	0.880	0.889	12.1	
Methylene Chloride	0.894	0.774	0.775	0.540	0.708	0.684	0.729	16.2	
trans-1,2-Dichloroethene	0.820	0.716	0.715	0.536	0.673	0.678	0.690	13.3	
Vinyl Acetate	1.958	2.237	2.387	1.737	1.958	2.244	2.087	11.6	
1,1-Dichloroethane	1.371	1.432	1.418	1.026	1.142	1.312	1.283	12.8	
Cyclohexane		1.488	1.301	0.965	1.055	1.243	1.210	17.1	
2-Butanone	0.615	0.616	0.639	0.465	0.516	0.584	0.572	11.8	
Carbon Tetrachloride	0.544	0.525	0.538	0.417	0.470	0.546	0.507	10.3	
2,2-Dichloropropane	1.403	1.226	1.234	0.920	1.023	1.190	1.166	14.7	
cis-1,2-Dichloroethene	0.884	0.892	0.868	0.626	0.694	0.800	0.794	13.9	
Bromochloromethane	0.608	0.669	0.549	0.589	0.596	0.627	0.606	6.6	
Chloroform	1.334	1.433	1.405	1.040	1.162	1.318	1.282	11.8	
1,1,1-Trichloroethane	1.293	1.230	1.241	0.912	1.014	1.160	1.142	13	
Methylcyclohexane	0.701	0.649	0.634	0.524	0.578	0.698	0.630	11	
1,1-Dichloropropene	0.515	0.514	0.530	0.406	0.453	0.525	0.490	10.2	

* 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.



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: CHEM02
 Lab Code: ACE SDG No.: Q3643
 Instrument ID: MSVOA_N Calibration Date(s): 10/23/2025 10/23/2025
 Heated Purge: (Y/N) N Calibration Time(s): 09:42 12:02
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF001 = VN088078.D		RRF005 = VN088079.D		RRF020 = VN088080.D			
		RRF050 = VN088081.D		RRF100 = VN088082.D		RRF150 = VN088083.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Benzene	1.621	1.577	1.609	1.216	1.372	1.566	1.494	10.9	
1,2-Dichloroethane	0.552	0.572	0.590	0.436	0.480	0.554	0.531	11.2	
Trichloroethene	0.375	0.374	0.374	0.284	0.318	0.369	0.349	11.1	
1,2-Dichloropropane	0.420	0.408	0.397	0.306	0.340	0.391	0.377	11.7	
Dibromomethane	0.275	0.298	0.295	0.218	0.246	0.281	0.269	11.5	
Bromodichloromethane	0.561	0.570	0.589	0.439	0.499	0.573	0.538	10.8	
4-Methyl-2-Pentanone	0.548	0.600	0.647	0.485	0.552	0.620	0.575	10.2	
Toluene	0.971	0.958	0.991	0.755	0.862	0.989	0.921	10.2	
t-1,3-Dichloropropene	0.554	0.576	0.618	0.479	0.559	0.652	0.573	10.4	
cis-1,3-Dichloropropene	0.615	0.622	0.652	0.501	0.587	0.671	0.608	9.9	
1,1,2-Trichloroethane	0.421	0.348	0.374	0.281	0.317	0.355	0.349	13.7	
1,3-Dichloropropane	0.639	0.647	0.674	0.506	0.572	0.647	0.614	10.3	
2-Chloroethyl Vinyl ether	0.280	0.274	0.299	0.245	0.280	0.348	0.288	11.9	
2-Hexanone	0.369	0.332	0.418	0.333	0.392	0.447	0.382	12.1	
Dibromochloromethane	0.418	0.392	0.433	0.327	0.377	0.436	0.397	10.4	
1,2-Dibromoethane	0.403	0.356	0.384	0.289	0.339	0.388	0.360	11.6	
Tetrachloroethene	0.400	0.344	0.335	0.258	0.298	0.344	0.330	14.6	
Chlorobenzene	1.197	1.208	1.205	0.941	1.053	1.208	1.135	9.9	
1,1,1,2-Tetrachloroethane	0.396	0.385	0.395	0.310	0.348	0.397	0.372	9.6	
Hexachloroethane	0.687	0.679	0.671	0.535	0.610	0.736	0.653	10.8	
Ethyl Benzene	2.069	2.066	2.123	1.649	1.873	2.177	1.993	9.9	
m/p-Xylenes	0.733	0.774	0.804	0.635	0.708	0.827	0.747	9.4	
o-Xylene	0.670	0.742	0.764	0.604	0.684	0.784	0.708	9.6	
Styrene	0.946	1.204	1.276	1.011	1.165	1.325	1.154	12.9	
Bromoform	0.268	0.274	0.294	0.233	0.276	0.320	0.278	10.4	
Isopropylbenzene	4.189	3.857	4.067	3.173	3.580	4.272	3.856	10.8	
1,1,2,2-Tetrachloroethane	1.304	1.258	1.336	0.957	1.080	1.270	1.201	12.4	
1,2,3-Trichloropropane	1.334	1.351	1.062	0.930	1.014	1.169	1.143	15.1	
Bromobenzene	0.826	0.859	0.926	0.687	0.789	0.902	0.832	10.4	
n-propylbenzene	4.874	4.855	4.930	3.925	4.436	5.217	4.706	9.7	

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



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Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: CHEM02
 Lab Code: ACE SDG No.: Q3643
 Instrument ID: MSVOA_N Calibration Date(s): 10/23/2025 10/23/2025
 Heated Purge: (Y/N) N Calibration Time(s): 09:42 12:02
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF001 = VN088078.D		RRF005 = VN088079.D		RRF020 = VN088080.D			
		RRF050 = VN088081.D		RRF100 = VN088082.D		RRF150 = VN088083.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
2-Chlorotoluene	2.492	2.833	2.974	2.245	2.545	3.014	2.684	11.3	
1,3,5-Trimethylbenzene	3.329	3.254	3.385	2.669	3.028	3.551	3.203	9.8	
4-Chlorotoluene	3.219	3.019	3.114	2.345	2.623	3.102	2.904	11.8	
tert-Butylbenzene	3.154	2.876	3.002	2.358	2.646	3.131	2.861	10.8	
1,2,4-Trimethylbenzene	3.242	3.316	3.465	2.700	3.012	3.491	3.204	9.4	
sec-Butylbenzene	4.578	4.273	4.382	3.490	3.881	4.616	4.203	10.4	
p-Isopropyltoluene	3.269	3.541	3.602	2.866	3.170	3.783	3.372	9.9	
1,3-Dichlorobenzene	1.777	1.673	1.822	1.380	1.535	1.773	1.660	10.3	
1,4-Dichlorobenzene	2.065	1.953	1.863	1.399	1.582	1.836	1.783	13.9	
n-Butylbenzene	3.396	3.438	3.493	2.827	3.158	3.730	3.340	9.3	
1,2-Dichlorobenzene	1.768	1.652	1.678	1.291	1.469	1.744	1.600	11.5	
1,2-Dibromo-3-Chloropropane	0.325	0.289	0.301	0.214	0.243	0.305	0.279	15.1	
1,2,4-Trichlorobenzene	1.058	0.976	0.989	0.785	0.902	1.105	0.969	11.8	
Hexachlorobutadiene	0.412	0.374	0.373	0.293	0.319	0.395	0.361	12.7	
Naphthalene	3.451	3.110	3.437	2.732	3.203	3.987	3.320	12.6	
1,2,3-Trichlorobenzene	1.098	0.894	0.937	0.736	0.848	1.062	0.929	14.5	
1,2-Dichloroethane-d4		0.914	0.915	0.799	0.822	0.872	0.865	6.1	
Dibromofluoromethane		0.343	0.344	0.315	0.327	0.350	0.336	4.3	
Toluene-d8		1.283	1.298	1.224	1.283	1.384	1.294	4.4	
4-Bromofluorobenzene		0.435	0.457	0.439	0.466	0.488	0.457	4.8	

* 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.

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N102325W.M
 Title : SW846 8260
 Last Update : Sat Oct 25 00:15:22 2025
 Response Via : Initial Calibration

Calibration Files

1 =VN088078.D 5 =VN088079.D 20 =VN088080.D 50 =VN088081.D 100 =VN088082.D 150 =VN088083.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.606	0.645	0.594	0.458	0.493	0.588	0.564	12.84
3) P	Chloromethane	0.782	0.707	0.725	0.519	0.579	0.669	0.664	14.74
4) C	Vinyl Chloride	0.801	0.784	0.787	0.581	0.639	0.746	0.723	12.62#
5) T	Bromomethane		0.527	0.485	0.341	0.389	0.420	0.432	17.19
6) T	Chloroethane	0.598	0.601	0.558	0.413	0.447	0.509	0.521	15.15
7) T	Trichlorofluor...	1.199	1.317	1.246	0.955	1.031	1.171	1.153	11.77
8) T	Diethyl Ether	0.456	0.501	0.455	0.320	0.400	0.440	0.429	14.57
9) T	1,1,2-Trichlor...	0.637	0.632	0.612	0.476	0.561	0.653	0.595	11.19
10) T	Methyl Iodide		0.430	0.550	0.456	0.674	0.609	0.544	18.85
11) T	Tert butyl alc...		0.164	0.170	0.116	0.151	0.144	0.149	14.24
12) CM	1,1-Dichloroet...	0.806	0.686	0.631	0.462	0.547	0.637	0.628	18.71#
13) T	Acrolein		0.196	0.172	0.124	0.163	0.183	0.168	16.30
14) T	Allyl chloride	1.325	1.149	1.106	0.813	1.124	1.093	1.102	14.98
15) T	Acrylonitrile	0.398	0.423	0.452	0.324	0.426	0.413	0.406	10.82
16) T	Acetone	0.563	0.441	0.440	0.319	0.411	0.431	0.434	17.93
17) T	Carbon Disulfide	2.143	2.041	1.984	1.483	1.917	1.895	1.910	11.92
18) T	Methyl Acetate	0.982	0.910	0.980	0.688	0.896	0.880	0.889	12.10
19) T	Methyl tert-bu...	2.356	2.498	2.493	1.790	2.370	2.342	2.308	11.40
20) T	Methylene Chlo...	0.894	0.774	0.775	0.540	0.708	0.684	0.729	16.17
21) T	trans-1,2-Dich...	0.820	0.716	0.715	0.536	0.673	0.678	0.690	13.32
22) T	Diisopropyl ether	2.325	2.460	2.644	1.883	2.138	2.449	2.317	11.68
23) T	Vinyl Acetate	1.958	2.237	2.387	1.737	1.958	2.244	2.087	11.60
24) P	1,1-Dichloroet...	1.371	1.432	1.418	1.026	1.142	1.312	1.283	12.80
25) T	2-Butanone	0.615	0.616	0.639	0.465	0.516	0.584	0.572	11.81
26) T	2,2-Dichloropr...	1.403	1.226	1.234	0.920	1.023	1.190	1.166	14.65
27) T	cis-1,2-Dichlo...	0.884	0.892	0.868	0.626	0.694	0.800	0.794	13.94
28) T	Bromochloromet...	0.608	0.669	0.549	0.589	0.596	0.627	0.606	6.59
29) T	Tetrahydrofuran	0.413	0.385	0.422	0.296	0.340	0.382	0.373	12.63
30) C	Chloroform	1.334	1.433	1.405	1.040	1.162	1.318	1.282	11.82#
31) T	Cyclohexane		1.488	1.301	0.965	1.055	1.243	1.210	17.05
32) T	1,1,1-Trichlor...	1.293	1.230	1.241	0.912	1.014	1.160	1.142	13.00
33) S	1,2-Dichloroet...		0.914	0.915	0.799	0.822	0.872	0.865	6.10
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.343	0.344	0.315	0.327	0.350	0.336	4.27
36) T	1,1-Dichloropr...	0.515	0.514	0.530	0.406	0.453	0.525	0.490	10.21
37) T	Ethyl Acetate	0.742	0.656	0.676	0.491	0.579	0.653	0.633	13.72
38) T	Carbon Tetrach...	0.544	0.525	0.538	0.417	0.470	0.546	0.507	10.30
39) T	Methylcyclohexane	0.701	0.649	0.634	0.524	0.578	0.698	0.630	11.01
40) TM	Benzene	1.621	1.577	1.609	1.216	1.372	1.566	1.494	10.93
41) T	Methacrylonitrile	0.394	0.342	0.354	0.271	0.296	0.342	0.333	13.12
42) TM	1,2-Dichloroet...	0.552	0.572	0.590	0.436	0.480	0.554	0.531	11.22
43) T	Isopropyl Acetate	0.991	1.008	1.066	0.810	0.913	1.047	0.973	9.81
44) TM	Trichloroethene	0.375	0.374	0.374	0.284	0.318	0.369	0.349	11.10
45) C	1,2-Dichloropr...	0.420	0.408	0.397	0.306	0.340	0.391	0.377	11.73#
46) T	Dibromomethane	0.275	0.298	0.295	0.218	0.246	0.281	0.269	11.50
47) T	Bromodichlorom...	0.561	0.570	0.589	0.439	0.499	0.573	0.538	10.77
48) T	Methyl methacr...	0.488	0.429	0.489	0.372	0.425	0.490	0.449	10.78
49) T	1,4-Dioxane	0.005	0.006	0.006	0.004	0.005	0.006	0.006	13.34
50) S	Toluene-d8		1.283	1.298	1.223	1.283	1.384	1.294	4.45
51) T	4-Methyl-2-Pen...	0.548	0.600	0.647	0.485	0.552	0.620	0.575	10.20
52) CM	Toluene	0.971	0.958	0.991	0.755	0.862	0.989	0.921	10.23#
53) T	t-1,3-Dichloro...	0.554	0.576	0.618	0.479	0.559	0.652	0.573	10.40
54) T	cis-1,3-Dichlo...	0.615	0.622	0.652	0.501	0.587	0.671	0.608	9.91
55) T	1,1,2-Trichlor...	0.421	0.348	0.374	0.281	0.317	0.355	0.349	13.68
56) T	Ethyl methacry...	0.515	0.518	0.592	0.475	0.566	0.650	0.553	11.40

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N102325W.M

57)	T	1,3-Dichloropr...	0.639	0.647	0.674	0.506	0.572	0.647	0.614	10.25
58)	T	2-Chloroethyl ...	0.280	0.274	0.299	0.245	0.280	0.348	0.288	11.93
59)	T	2-Hexanone	0.369	0.332	0.418	0.333	0.392	0.447	0.382	12.13
60)	T	Dibromochlorom...	0.418	0.392	0.433	0.327	0.377	0.436	0.397	10.44
61)	T	1,2-Dibromoethane	0.403	0.356	0.384	0.289	0.339	0.388	0.360	11.60
62)	S	4-Bromofluorob...		0.435	0.457	0.439	0.466	0.488	0.457	4.80
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.400	0.344	0.335	0.258	0.298	0.344	0.330	14.61
65)	PM	Chlorobenzene	1.197	1.208	1.205	0.941	1.053	1.208	1.135	9.93
66)	T	1,1,1,2-Tetrac...	0.396	0.385	0.395	0.310	0.348	0.397	0.372	9.57
67)	C	Ethyl Benzene	2.069	2.066	2.123	1.649	1.873	2.177	1.993	9.89#
68)	T	m/p-Xylenes	0.733	0.774	0.804	0.635	0.708	0.827	0.747	9.41
69)	T	o-Xylene	0.670	0.742	0.764	0.604	0.684	0.784	0.708	9.57
70)	T	Styrene	0.946	1.204	1.276	1.011	1.165	1.325	1.154	12.89
71)	P	Bromoform	0.268	0.274	0.294	0.233	0.276	0.320	0.278	10.43
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	4.189	3.857	4.067	3.173	3.580	4.272	3.856	10.83
74)	T	N-amyl acetate		0.931	0.993	0.920	1.094	1.535	1.095	23.37
75)	P	1,1,2,2-Tetrac...	1.304	1.258	1.336	0.957	1.080	1.270	1.201	12.42
76)	T	1,2,3-Trichlor...	1.334	1.351	1.062	0.930	1.014	1.169	1.143	15.11
77)	T	Bromobenzene	0.826	0.859	0.926	0.687	0.789	0.902	0.832	10.37
78)	T	n-propylbenzene	4.874	4.855	4.930	3.925	4.436	5.217	4.706	9.71
79)	T	2-Chlorotoluene	2.492	2.833	2.974	2.245	2.545	3.014	2.684	11.35
80)	T	1,3,5-Trimethy...	3.329	3.254	3.385	2.669	3.028	3.551	3.203	9.76
81)	T	trans-1,4-Dich...		0.422	0.399	0.317	0.403	0.508	0.410	16.68
82)	T	4-Chlorotoluene	3.219	3.019	3.114	2.345	2.623	3.102	2.904	11.81
83)	T	tert-Butylbenzene	3.154	2.876	3.002	2.358	2.646	3.131	2.861	10.80
84)	T	1,2,4-Trimethy...	3.242	3.316	3.465	2.700	3.012	3.491	3.204	9.42
85)	T	sec-Butylbenzene	4.578	4.273	4.382	3.490	3.881	4.616	4.203	10.43
86)	T	p-Isopropyltol...	3.269	3.541	3.602	2.866	3.170	3.783	3.372	9.90
87)	T	1,3-Dichlorobe...	1.777	1.673	1.822	1.380	1.535	1.773	1.660	10.33
88)	T	1,4-Dichlorobe...	2.065	1.953	1.863	1.399	1.582	1.836	1.783	13.86
89)	T	n-Butylbenzene	3.396	3.438	3.493	2.827	3.158	3.730	3.340	9.32
90)	T	Hexachloroethane	0.687	0.679	0.671	0.535	0.610	0.736	0.653	10.77
91)	T	1,2-Dichlorobe...	1.768	1.652	1.678	1.291	1.469	1.744	1.600	11.52
92)	T	1,2-Dibromo-3-...	0.325	0.289	0.301	0.214	0.243	0.305	0.279	15.13
93)	T	1,2,4-Trichlor...	1.058	0.976	0.989	0.785	0.902	1.105	0.969	11.80
94)	T	Hexachlorobuta...	0.412	0.374	0.373	0.293	0.319	0.395	0.361	12.69
95)	T	Naphthalene	3.451	3.110	3.437	2.732	3.203	3.987	3.320	12.63
96)	T	1,2,3-Trichlor...	1.098	0.894	0.937	0.736	0.848	1.062	0.929	14.54

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
 Data File : VN088078.D
 Acq On : 23 Oct 2025 09:42
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/24/2025
 Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 02:50:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 24 02:50:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	310632	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	586229	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	509993	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	233824	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	74 - 125	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	86 - 113	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	77 - 121	Recovery	=	0.000%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.142	85	3763	1.074	ug/l	96
3) Chloromethane	2.389	50	4857	1.178	ug/l	88
4) Vinyl Chloride	2.542	62	4975	1.108	ug/l	98
6) Chloroethane	3.136	64	3717	1.149	ug/l #	72
7) Trichlorofluoromethane	3.501	101	7446	1.039	ug/l	87
8) Diethyl Ether	3.959	74	2835	1.065	ug/l	60
9) 1,1,2-Trichlorotrifluo...	4.353	101	3959	1.071	ug/l #	22
12) 1,1-Dichloroethene	4.348	96	5008	1.283	ug/l #	64
14) Allyl chloride	5.012	41	8229m	1.206	ug/l	
15) Acrylonitrile	5.712	53	12351	4.900	ug/l	95
16) Acetone	4.424	43	17476	6.476	ug/l	95
17) Carbon Disulfide	4.700	76	13312	1.122	ug/l	96
18) Methyl Acetate	5.024	43	6099	1.104	ug/l #	86
19) Methyl tert-butyl Ether	5.777	73	14637	1.021	ug/l	93
20) Methylene Chloride	5.265	84	5554	2.075	ug/l	93
21) trans-1,2-Dichloroethene	5.765	96	5093m	1.180	ug/l	
22) Diisopropyl ether	6.659	45	14446	1.004	ug/l	89
23) Vinyl Acetate	6.594	43	60828	4.692	ug/l #	93
24) 1,1-Dichloroethane	6.553	63	8517	1.068	ug/l #	82
25) 2-Butanone	7.477	43	19098m	5.426	ug/l	
26) 2,2-Dichloropropane	7.477	77	8718	1.203	ug/l	93
27) cis-1,2-Dichloroethene	7.471	96	5492	1.113	ug/l	93
28) Bromochloromethane	7.800	49	3776	1.002	ug/l #	98
29) Tetrahydrofuran	7.836	42	12815	5.529	ug/l #	65
30) Chloroform	7.953	83	8286	1.040	ug/l	96
32) 1,1,1-Trichloroethane	8.153	97	8036	1.133	ug/l #	43
36) 1,1-Dichloropropene	8.347	75	6036	1.050	ug/l	90
37) Ethyl Acetate	7.553	43	8700m	1.177	ug/l	
38) Carbon Tetrachloride	8.347	117	6381	1.074	ug/l #	92
39) Methylcyclohexane	9.583	83	8221	1.112	ug/l	92
40) Benzene	8.588	78	19008	1.085	ug/l	96
41) Methacrylonitrile	7.771	41	4616	1.182	ug/l #	89
42) 1,2-Dichloroethane	8.653	62	6475	1.041	ug/l	100
43) Isopropyl Acetate	8.671	43	11616	1.019	ug/l	96
44) Trichloroethene	9.330	130	4394	1.073	ug/l	93
45) 1,2-Dichloropropane	9.600	63	4927	1.114	ug/l	91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
 Data File : VN088078.D
 Acq On : 23 Oct 2025 09:42
 Operator : JC\MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/24/2025
 Supervised By : Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 02:50:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 24 02:50:29 2025
 Response via : Initial Calibration

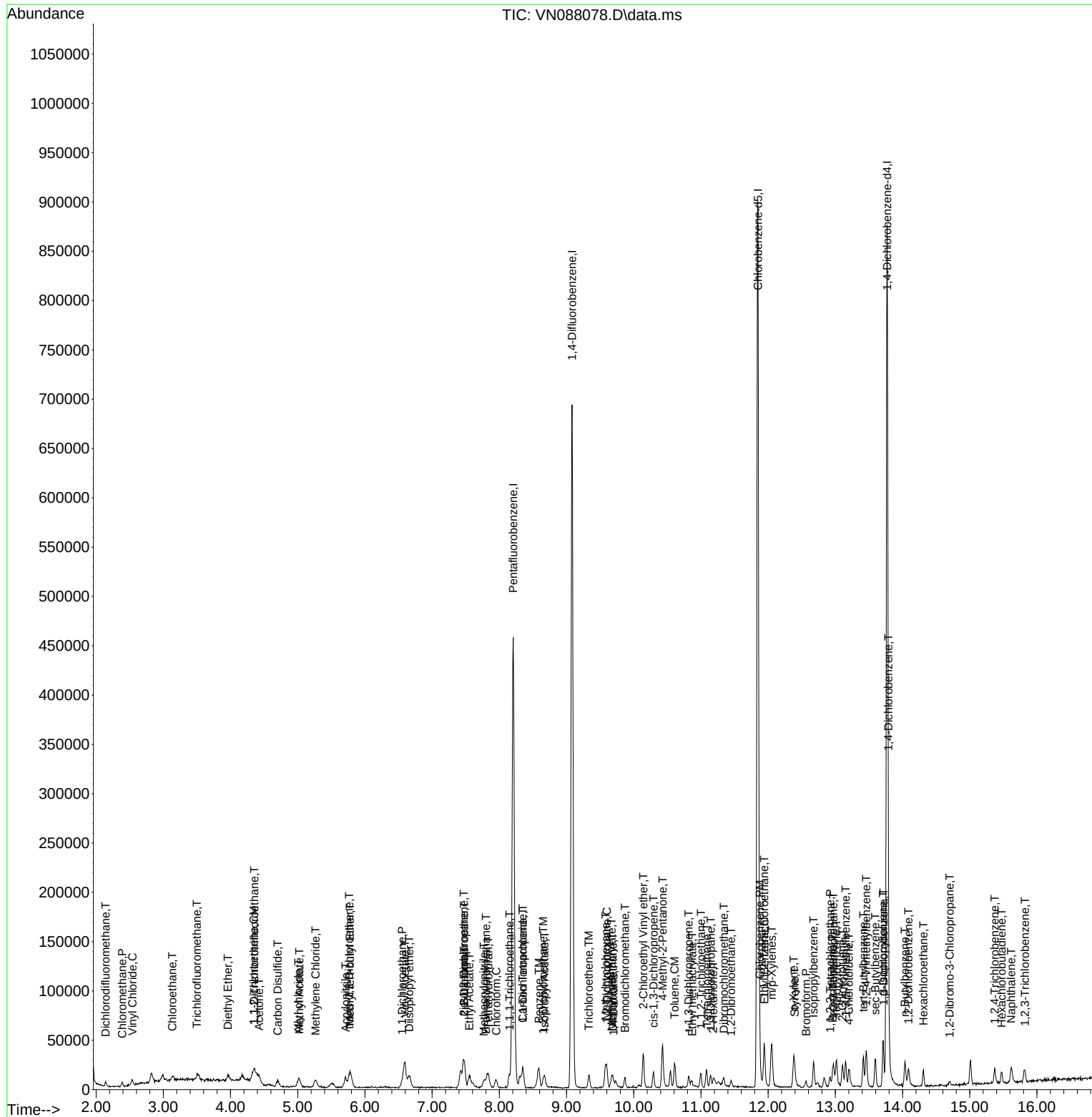
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.688	93	3222	1.022	ug/l	90
47) Bromodichloromethane	9.871	83	6578	1.042	ug/l #	99
48) Methyl methacrylate	9.671	41	5726m	1.057	ug/l	
49) 1,4-Dioxane	9.700	88	1238m	18.907	ug/l	
51) 4-Methyl-2-Pentanone	10.430	43	32109	4.760	ug/l	96
52) Toluene	10.606	92	11382	1.054	ug/l	90
53) t-1,3-Dichloropropene	10.818	75	6496	0.967	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	7213	1.012	ug/l	98
55) 1,1,2-Trichloroethane	11.000	97	4933	1.204	ug/l #	82
56) Ethyl methacrylate	10.871	69	6039m	0.933	ug/l	
57) 1,3-Dichloropropane	11.147	76	7489	1.040	ug/l	89
58) 2-Chloroethyl Vinyl ether	10.141	63	16393	4.862	ug/l	99
59) 2-Hexanone	11.182	43	21660m	4.891	ug/l	
60) Dibromochloromethane	11.341	129	4900	1.052	ug/l	90
61) 1,2-Dibromoethane	11.447	107	4721	1.120	ug/l	83
64) Tetrachloroethene	11.088	164	4083	1.214	ug/l #	79
65) Chlorobenzene	11.876	112	12205	1.054	ug/l #	89
66) 1,1,1,2-Tetrachloroethane	11.941	131	4044	1.066	ug/l #	65
67) Ethyl Benzene	11.947	91	21103	1.038	ug/l	96
68) m/p-Xylenes	12.053	106	14958	1.964	ug/l	93
69) o-Xylene	12.382	106	6831	0.946	ug/l	98
70) Styrene	12.394	104	9645	0.819	ug/l	99
71) Bromoform	12.565	173	2730	0.964	ug/l #	100
73) Isopropylbenzene	12.676	105	19589	1.086	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.923	83	6098	1.086	ug/l	98
76) 1,2,3-Trichloropropane	12.971	75	6237m	1.246	ug/l	
77) Bromobenzene	12.959	156	3862	0.993	ug/l	71
78) n-propylbenzene	13.018	91	22793	1.036	ug/l	99
79) 2-Chlorotoluene	13.106	91	11655	0.929	ug/l	93
80) 1,3,5-Trimethylbenzene	13.153	105	15569	1.039	ug/l	98
82) 4-Chlorotoluene	13.200	91	15055	1.109	ug/l	93
83) tert-Butylbenzene	13.418	119	14748	1.102	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	15160	1.012	ug/l	97
85) sec-Butylbenzene	13.594	105	21410	1.089	ug/l	96
86) p-Isopropyltoluene	13.712	119	15289	0.970	ug/l	90
87) 1,3-Dichlorobenzene	13.718	146	8312	1.071	ug/l	100
88) 1,4-Dichlorobenzene	13.788	146	9656m	1.155	ug/l	
89) n-Butylbenzene	14.035	91	15880	1.017	ug/l	97
90) Hexachloroethane	14.312	117	3211	1.052	ug/l	96
91) 1,2-Dichlorobenzene	14.088	146	8266	1.105	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	1522	1.165	ug/l	75
93) 1,2,4-Trichlorobenzene	15.370	180	4946	1.091	ug/l	90
94) Hexachlorobutadiene	15.476	225	1928	1.142	ug/l	96
95) Naphthalene	15.617	128	16137	1.039	ug/l	99
96) 1,2,3-Trichlorobenzene	15.823	180	5137	1.182	ug/l	83

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

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
 Data File : VN088079.D
 Acq On : 23 Oct 2025 10:38
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/24/2025
 Supervised By : Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 02:51:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 24 02:50:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	296128	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	570271	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	502295	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	241248	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	27065	5.285	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.580%#		
35) Dibromofluoromethane	8.147	113	19551	5.103	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.200%#		
50) Toluene-d8	10.547	98	73162	4.956	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.920%#		
62) 4-Bromofluorobenzene	12.835	95	24787	4.755	ug/l	0.01
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.500%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	19109	5.721	ug/l	91
3) Chloromethane	2.383	50	20946	5.330	ug/l	100
4) Vinyl Chloride	2.536	62	23220	5.423	ug/l	96
5) Bromomethane	2.971	94	15617	6.098	ug/l #	80
6) Chloroethane	3.142	64	17800	5.770	ug/l #	84
7) Trichlorofluoromethane	3.506	101	39012	5.713	ug/l	98
8) Diethyl Ether	3.959	74	14837	5.846	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.377	101	18719	5.312	ug/l	94
10) Methyl Iodide	4.589	142	12726	7.564	ug/l	91
11) Tert butyl alcohol	5.524	59	24255	27.494	ug/l #	89
12) 1,1-Dichloroethene	4.342	96	20326	5.461	ug/l	88
13) Acrolein	4.171	56	29003	29.228	ug/l	93
14) Allyl chloride	5.012	41	34031	5.232	ug/l	99
15) Acrylonitrile	5.706	53	62612	26.056	ug/l	98
16) Acetone	4.430	43	65332	25.396	ug/l	99
17) Carbon Disulfide	4.706	76	60437	5.342	ug/l	97
18) Methyl Acetate	5.024	43	26935	5.114	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	73958	5.411	ug/l	97
20) Methylene Chloride	5.265	84	22926	6.410	ug/l	97
21) trans-1,2-Dichloroethene	5.783	96	21204	5.152	ug/l	86
22) Diisopropyl ether	6.665	45	72852	5.310	ug/l	100
23) Vinyl Acetate	6.588	43	331195	26.799	ug/l	100
24) 1,1-Dichloroethane	6.547	63	42391	5.578	ug/l	96
25) 2-Butanone	7.477	43	91150	27.166	ug/l	95
26) 2,2-Dichloropropane	7.477	77	36306	5.257	ug/l	97
27) cis-1,2-Dichloroethene	7.471	96	26415	5.616	ug/l	96
28) Bromochloromethane	7.794	49	19805	5.515	ug/l	96
29) Tetrahydrofuran	7.824	42	56989	25.793	ug/l	99
30) Chloroform	7.947	83	42443	5.590	ug/l	97
31) Cyclohexane	8.241	56	44056	6.146	ug/l	95
32) 1,1,1-Trichloroethane	8.147	97	36411	5.384	ug/l #	85
36) 1,1-Dichloropropene	8.353	75	29318	5.241	ug/l	96
37) Ethyl Acetate	7.547	43	37387	5.201	ug/l #	94
38) Carbon Tetrachloride	8.347	117	29915	5.178	ug/l	93
39) Methylcyclohexane	9.582	83	37009	5.147	ug/l	96
40) Benzene	8.588	78	89925	5.279	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
 Data File : VN088079.D
 Acq On : 23 Oct 2025 10:38
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/24/2025

Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 02:51:36 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M

Quant Title : SW846 8260

QLast Update : Fri Oct 24 02:50:29 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	19516	5.137	ug/l	93
42) 1,2-Dichloroethane	8.653	62	32612	5.388	ug/l	99
43) Isopropyl Acetate	8.671	43	57498	5.184	ug/l	97
44) Trichloroethene	9.335	130	21346	5.361	ug/l	86
45) 1,2-Dichloropropane	9.594	63	23273	5.411	ug/l	95
46) Dibromomethane	9.682	93	17012	5.546	ug/l	95
47) Bromodichloromethane	9.865	83	32518	5.295	ug/l	91
48) Methyl methacrylate	9.665	41	24475	4.645	ug/l	92
49) 1,4-Dioxane	9.688	88	6763	106.179	ug/l #	95
51) 4-Methyl-2-Pentanone	10.424	43	170979	26.055	ug/l	98
52) Toluene	10.606	92	54632	5.201	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	32833	5.023	ug/l	96
54) cis-1,3-Dichloropropene	10.288	75	35495	5.118	ug/l	94
55) 1,1,2-Trichloroethane	10.994	97	19869	4.986	ug/l	92
56) Ethyl methacrylate	10.859	69	29566	4.695	ug/l	97
57) 1,3-Dichloropropane	11.141	76	36892	5.267	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.141	63	78095	23.808	ug/l	99
59) 2-Hexanone	11.182	43	94577	21.954	ug/l	97
60) Dibromochloromethane	11.335	129	22347	4.934	ug/l	99
61) 1,2-Dibromoethane	11.447	107	20284	4.946	ug/l	96
64) Tetrachloroethene	11.082	164	17289	5.218	ug/l	88
65) Chlorobenzene	11.870	112	60700	5.322	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.941	131	19321	5.171	ug/l	95
67) Ethyl Benzene	11.941	91	103756	5.183	ug/l	98
68) m/p-Xylenes	12.047	106	77736	10.363	ug/l	92
69) o-Xylene	12.382	106	37251	5.239	ug/l	98
70) Styrene	12.394	104	60467	5.215	ug/l	98
71) Bromoform	12.559	173	13744	4.929	ug/l #	92
73) Isopropylbenzene	12.676	105	93056	5.001	ug/l	100
74) N-amyl acetate	12.865	43	22461m	4.171	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	30348	5.239	ug/l	98
76) 1,2,3-Trichloropropane	12.976	75	32601m	6.313	ug/l	
77) Bromobenzene	12.959	156	20721	5.164	ug/l	82
78) n-propylbenzene	13.012	91	117114	5.158	ug/l	98
79) 2-Chlorotoluene	13.106	91	68350	5.278	ug/l	98
80) 1,3,5-Trimethylbenzene	13.153	105	78511	5.081	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.723	75	10183m	5.137	ug/l	
82) 4-Chlorotoluene	13.200	91	72836	5.199	ug/l	100
83) tert-Butylbenzene	13.417	119	69371	5.025	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	80008	5.175	ug/l	100
85) sec-Butylbenzene	13.594	105	103097	5.083	ug/l	98
86) p-Isopropyltoluene	13.706	119	85421	5.250	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	40364	5.039	ug/l	96
88) 1,4-Dichlorobenzene	13.788	146	47112	5.462	ug/l	95
89) n-Butylbenzene	14.035	91	82932	5.146	ug/l	99
90) Hexachloroethane	14.312	117	16391	5.202	ug/l	99
91) 1,2-Dichlorobenzene	14.082	146	39857	5.162	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.694	75	6964	5.165	ug/l	92
93) 1,2,4-Trichlorobenzene	15.370	180	23547	5.036	ug/l	99
94) Hexachlorobutadiene	15.476	225	9028	5.185	ug/l	97
95) Naphthalene	15.617	128	75031	4.684	ug/l	99
96) 1,2,3-Trichlorobenzene	15.817	180	21577	4.812	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088079.D
Acq On : 23 Oct 2025 10:38
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 02:51:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 02:50:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

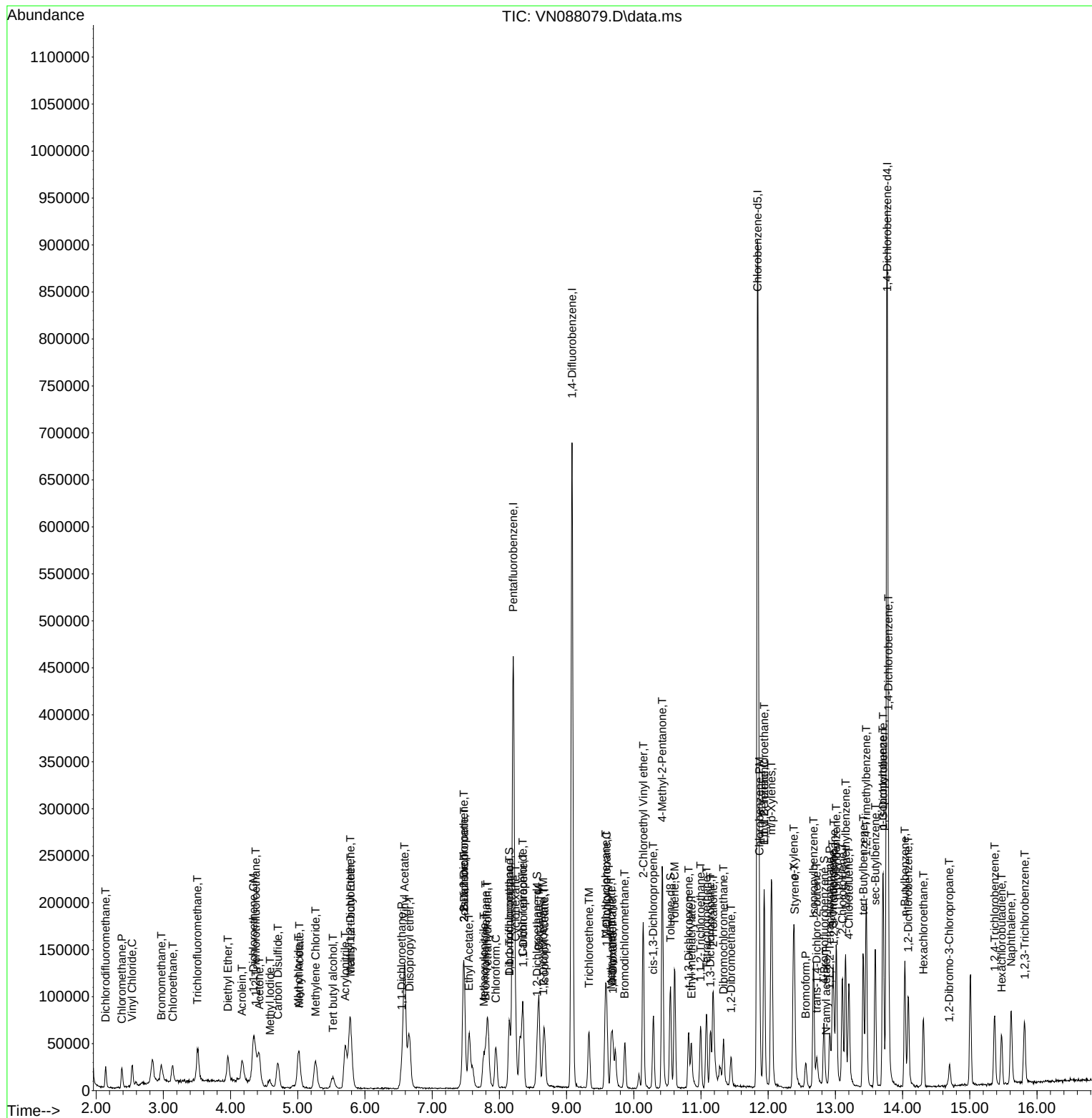
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088079.D
Acq On : 23 Oct 2025 10:38
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 02:51:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 02:50:29 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
 Data File : VN088080.D
 Acq On : 23 Oct 2025 10:59
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/24/2025
 Supervised By : Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 02:52:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 24 02:50:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	282090	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	546178	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	485620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	241242	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	103292	21.175	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	42.360%#
35) Dibromofluoromethane	8.147	113	75221	20.500	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	41.000%#
50) Toluene-d8	10.547	98	283564	20.057	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	40.120%#
62) 4-Bromofluorobenzene	12.829	95	99923	20.012	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	40.020%#

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	67069	21.078	ug/l	97
3) Chloromethane	2.383	50	81817	21.856	ug/l	96
4) Vinyl Chloride	2.536	62	88776	21.765	ug/l	98
5) Bromomethane	2.983	94	54697	22.420	ug/l	99
6) Chloroethane	3.136	64	62949	21.421	ug/l	93
7) Trichlorofluoromethane	3.512	101	140569	21.608	ug/l	95
8) Diethyl Ether	3.971	74	51299	21.217	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.365	101	69023	20.561	ug/l	98
10) Methyl Iodide	4.583	142	62029	21.370	ug/l	97
11) Tert butyl alcohol	5.524	59	95809	114.009	ug/l	97
12) 1,1-Dichloroethene	4.342	96	71244	20.094	ug/l	97
13) Acrolein	4.183	56	97190	102.818	ug/l	99
14) Allyl chloride	5.012	41	124762	20.136	ug/l	98
15) Acrylonitrile	5.706	53	254966	111.383	ug/l	98
16) Acetone	4.424	43	248513	101.409	ug/l	96
17) Carbon Disulfide	4.706	76	223844	20.769	ug/l	99
18) Methyl Acetate	5.018	43	110595	22.044	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	281317	21.605	ug/l	94
20) Methylene Chloride	5.265	84	87400	23.333	ug/l	97
21) trans-1,2-Dichloroethene	5.771	96	80726	20.591	ug/l	95
22) Diisopropyl ether	6.653	45	298356	22.828	ug/l	96
23) Vinyl Acetate	6.589	43	1346497	114.374	ug/l	100
24) 1,1-Dichloroethane	6.559	63	159981	22.098	ug/l	97
25) 2-Butanone	7.471	43	360240	112.706	ug/l	96
26) 2,2-Dichloropropane	7.471	77	139276	21.169	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	97968	21.866	ug/l	100
28) Bromochloromethane	7.800	49	61975	18.117	ug/l	99
29) Tetrahydrofuran	7.824	42	237998	113.080	ug/l	99
30) Chloroform	7.947	83	158515	21.917	ug/l	99
31) Cyclohexane	8.236	56	146770	21.495	ug/l	96
32) 1,1,1-Trichloroethane	8.153	97	140074	21.745	ug/l	92
36) 1,1-Dichloropropene	8.353	75	115884	21.630	ug/l	99
37) Ethyl Acetate	7.547	43	147787	21.466	ug/l	99
38) Carbon Tetrachloride	8.341	117	117435	21.223	ug/l	90
39) Methylcyclohexane	9.583	83	138414	20.099	ug/l	96
40) Benzene	8.588	78	351627	21.551	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
 Data File : VN088080.D
 Acq On : 23 Oct 2025 10:59
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/24/2025
 Supervised By : Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 02:52:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 24 02:50:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	77407	21.272	ug/l	100
42) 1,2-Dichloroethane	8.653	62	128925	22.239	ug/l	99
43) Isopropyl Acetate	8.677	43	232810	21.914	ug/l	97
44) Trichloroethene	9.330	130	81811	21.452	ug/l	88
45) 1,2-Dichloropropane	9.600	63	86639	21.033	ug/l	97
46) Dibromomethane	9.688	93	64404	21.923	ug/l	99
47) Bromodichloromethane	9.871	83	128781	21.895	ug/l	95
48) Methyl methacrylate	9.659	41	106892	21.182	ug/l	97
49) 1,4-Dioxane	9.677	88	28059	459.958	ug/l #	94
51) 4-Methyl-2-Pentanone	10.424	43	706841	112.466	ug/l	99
52) Toluene	10.606	92	216580	21.530	ug/l	97
53) t-1,3-Dichloropropene	10.818	75	135097	21.581	ug/l	94
54) cis-1,3-Dichloropropene	10.294	75	142472	21.447	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	81773	21.426	ug/l	97
56) Ethyl methacrylate	10.859	69	129419	21.460	ug/l	99
57) 1,3-Dichloropropane	11.141	76	147164	21.938	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.141	63	326199	103.833	ug/l	99
59) 2-Hexanone	11.177	43	456992	110.762	ug/l	96
60) Dibromochloromethane	11.335	129	94659	21.821	ug/l	97
61) 1,2-Dibromoethane	11.447	107	83824	21.341	ug/l	97
64) Tetrachloroethene	11.082	164	65019	20.298	ug/l	94
65) Chlorobenzene	11.871	112	233976	21.219	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.941	131	76803	21.259	ug/l	97
67) Ethyl Benzene	11.941	91	412481	21.311	ug/l	98
68) m/p-Xylenes	12.047	106	312179	43.046	ug/l	98
69) o-Xylene	12.376	106	148393	21.585	ug/l	99
70) Styrene	12.388	104	247794	22.103	ug/l	98
71) Bromoform	12.559	173	57194	21.214	ug/l #	94
73) Isopropylbenzene	12.671	105	392471	21.093	ug/l	98
74) N-amyl acetate	12.671	43	95839m	17.796	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	128906	22.253	ug/l	98
76) 1,2,3-Trichloropropane	12.971	75	102475m	19.844	ug/l	
77) Bromobenzene	12.959	156	89317	22.261	ug/l	93
78) n-propylbenzene	13.012	91	475747	20.952	ug/l	98
79) 2-Chlorotoluene	13.100	91	286955	22.160	ug/l	100
80) 1,3,5-Trimethylbenzene	13.153	105	326659	21.139	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.718	75	38485	19.415	ug/l	84
82) 4-Chlorotoluene	13.200	91	300449	21.446	ug/l	99
83) tert-Butylbenzene	13.412	119	289688	20.986	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	334370	21.627	ug/l	99
85) sec-Butylbenzene	13.594	105	422803	20.848	ug/l	99
86) p-Isopropyltoluene	13.706	119	347584	21.364	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	175823	21.951	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	179756	20.841	ug/l	99
89) n-Butylbenzene	14.035	91	337053	20.915	ug/l	99
90) Hexachloroethane	14.306	117	64770	20.558	ug/l	99
91) 1,2-Dichlorobenzene	14.082	146	161912	20.971	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.694	75	29025	21.527	ug/l	97
93) 1,2,4-Trichlorobenzene	15.370	180	95446	20.412	ug/l	99
94) Hexachlorobutadiene	15.476	225	35960	20.651	ug/l	96
95) Naphthalene	15.612	128	331649	20.704	ug/l	100
96) 1,2,3-Trichlorobenzene	15.812	180	90374	20.157	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088080.D
Acq On : 23 Oct 2025 10:59
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 02:52:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 02:50:29 2025
Response via : Initial Calibration

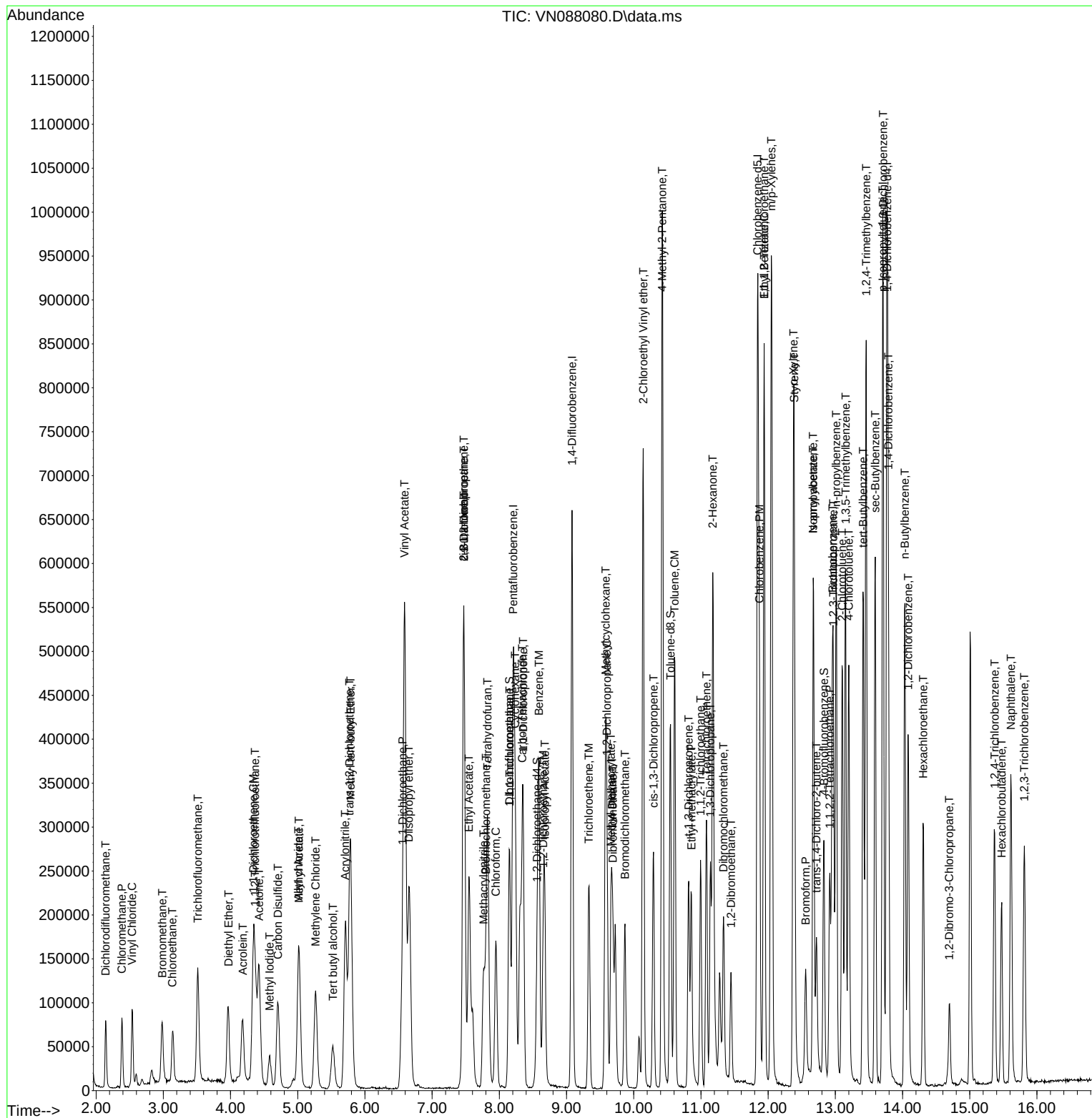
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
 Data File : VN088081.D
 Acq On : 23 Oct 2025 11:20
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/24/2025
 Supervised By : Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 02:42:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 24 02:37:20 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	338069	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	628399	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	559795	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	281739	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	270271	46.232	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.460%		
35) Dibromofluoromethane	8.147	113	198004	46.902	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.800%		
50) Toluene-d8	10.547	98	768846	47.265	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.540%		
62) 4-Bromofluorobenzene	12.829	95	275556	47.966	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.940%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	154728	40.575	ug/l	97
3) Chloromethane	2.383	50	175497	39.118	ug/l	100
4) Vinyl Chloride	2.542	62	196434	40.185	ug/l	98
5) Bromomethane	2.977	94	115396	39.468	ug/l	97
6) Chloroethane	3.142	64	139507	39.611	ug/l	97
7) Trichlorofluoromethane	3.512	101	322932	41.420	ug/l	94
8) Diethyl Ether	3.959	74	108102	37.307	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	160825	39.976	ug/l	97
10) Methyl Iodide	4.583	142	154156	39.794	ug/l	96
11) Tert butyl alcohol	5.524	59	195274	193.892	ug/l	97
12) 1,1-Dichloroethene	4.341	96	156355	36.797	ug/l	93
13) Acrolein	4.177	56	209393	184.839	ug/l	100
14) Allyl chloride	5.012	41	274719	36.996	ug/l	97
15) Acrylonitrile	5.712	53	547451	199.555	ug/l	98
16) Acetone	4.424	43	539588	183.727	ug/l	99
17) Carbon Disulfide	4.706	76	501402	38.818	ug/l	98
18) Methyl Acetate	5.018	43	232583	38.683	ug/l	97
19) Methyl tert-butyl Ether	5.783	73	605018	38.771	ug/l	96
20) Methylene Chloride	5.265	84	182571	40.095	ug/l	96
21) trans-1,2-Dichloroethene	5.771	96	181288	38.584	ug/l	95
22) Diisopropyl ether	6.659	45	636418	40.632	ug/l	97
23) Vinyl Acetate	6.588	43	2935326	208.046	ug/l	99
24) 1,1-Dichloroethane	6.553	63	346792	39.970	ug/l	96
25) 2-Butanone	7.471	43	786350	205.282	ug/l	100
26) 2,2-Dichloropropane	7.471	77	311175	39.466	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	211777	39.442	ug/l	99
28) Bromochloromethane	7.794	49	199116	48.569	ug/l	99
29) Tetrahydrofuran	7.824	42	501146	198.682	ug/l	100
30) Chloroform	7.947	83	351684	40.574	ug/l	97
31) Cyclohexane	8.235	56	326389	39.886	ug/l	91
32) 1,1,1-Trichloroethane	8.153	97	308171	39.919	ug/l	98
36) 1,1-Dichloropropene	8.353	75	254886	41.351	ug/l	98
37) Ethyl Acetate	7.547	43	308710	38.973	ug/l	96
38) Carbon Tetrachloride	8.347	117	262154	41.178	ug/l	93
39) Methylcyclohexane	9.582	83	329045	41.530	ug/l	97
40) Benzene	8.588	78	764344	40.717	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
 Data File : VN088081.D
 Acq On : 23 Oct 2025 11:20
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/24/2025
 Supervised By : Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 02:42:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 24 02:37:20 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	169994	40.604	ug/l	100
42) 1,2-Dichloroethane	8.653	62	274103	41.094	ug/l	100
43) Isopropyl Acetate	8.671	43	509309	41.668	ug/l	99
44) Trichloroethene	9.335	130	178438	40.667	ug/l	100
45) 1,2-Dichloropropane	9.600	63	192587	40.637	ug/l	97
46) Dibromomethane	9.688	93	137229	40.600	ug/l	99
47) Bromodichloromethane	9.871	83	275730	40.745	ug/l	97
48) Methyl methacrylate	9.659	41	233909	40.288	ug/l	96
49) 1,4-Dioxane	9.682	88	55303	787.940	ug/l #	97
51) 4-Methyl-2-Pentanone	10.423	43	1524408	210.814	ug/l	99
52) Toluene	10.606	92	474479	40.995	ug/l	99
53) t-1,3-Dichloropropene	10.818	75	300895	41.776	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	314717	41.178	ug/l	95
55) 1,1,2-Trichloroethane	10.994	97	176797	40.263	ug/l	98
56) Ethyl methacrylate	10.853	69	298768	43.059	ug/l	97
57) 1,3-Dichloropropane	11.141	76	317787	41.174	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	769938	213.014	ug/l	100
59) 2-Hexanone	11.176	43	1044741	220.085	ug/l	98
60) Dibromochloromethane	11.335	129	205395	41.154	ug/l	100
61) 1,2-Dibromoethane	11.447	107	181469	40.156	ug/l	97
64) Tetrachloroethene	11.082	164	144389	39.103	ug/l	96
65) Chlorobenzene	11.870	112	526904	41.452	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.941	131	173604	41.687	ug/l	99
67) Ethyl Benzene	11.941	91	923328	41.382	ug/l	100
68) m/p-Xylenes	12.047	106	710517	84.991	ug/l	95
69) o-Xylene	12.376	106	337999	42.650	ug/l	97
70) Styrene	12.388	104	565710	43.775	ug/l	99
71) Bromoform	12.559	173	130569	42.013	ug/l #	99
73) Isopropylbenzene	12.676	105	893962	41.140	ug/l	98
74) N-amyl acetate	12.506	43	259151m	51.362	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	269498	39.836	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	261895m	43.425	ug/l	
77) Bromobenzene	12.959	156	193682	41.334	ug/l	98
78) n-propylbenzene	13.012	91	1105898	41.704	ug/l	98
79) 2-Chlorotoluene	13.100	91	632531	41.827	ug/l	100
80) 1,3,5-Trimethylbenzene	13.153	105	751960	41.667	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.717	75	89183	38.524	ug/l #	81
82) 4-Chlorotoluene	13.200	91	660605	40.376	ug/l	97
83) tert-Butylbenzene	13.417	119	664441	41.215	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	760563	42.122	ug/l	99
85) sec-Butylbenzene	13.594	105	983204	41.511	ug/l	100
86) p-Isopropyltoluene	13.706	119	807519	42.500	ug/l	99
87) 1,3-Dichlorobenzene	13.711	146	388787	41.563	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	394135	39.127	ug/l	98
89) n-Butylbenzene	14.035	91	796348	42.312	ug/l	99
90) Hexachloroethane	14.306	117	150804	40.985	ug/l	96
91) 1,2-Dichlorobenzene	14.082	146	363732	40.339	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	60256	38.267	ug/l	96
93) 1,2,4-Trichlorobenzene	15.370	180	221034	40.476	ug/l	98
94) Hexachlorobutadiene	15.476	225	82469	40.553	ug/l	99
95) Naphthalene	15.611	128	769709	41.144	ug/l	100
96) 1,2,3-Trichlorobenzene	15.811	180	207445	39.618	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088081.D
Acq On : 23 Oct 2025 11:20
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 02:42:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 02:37:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

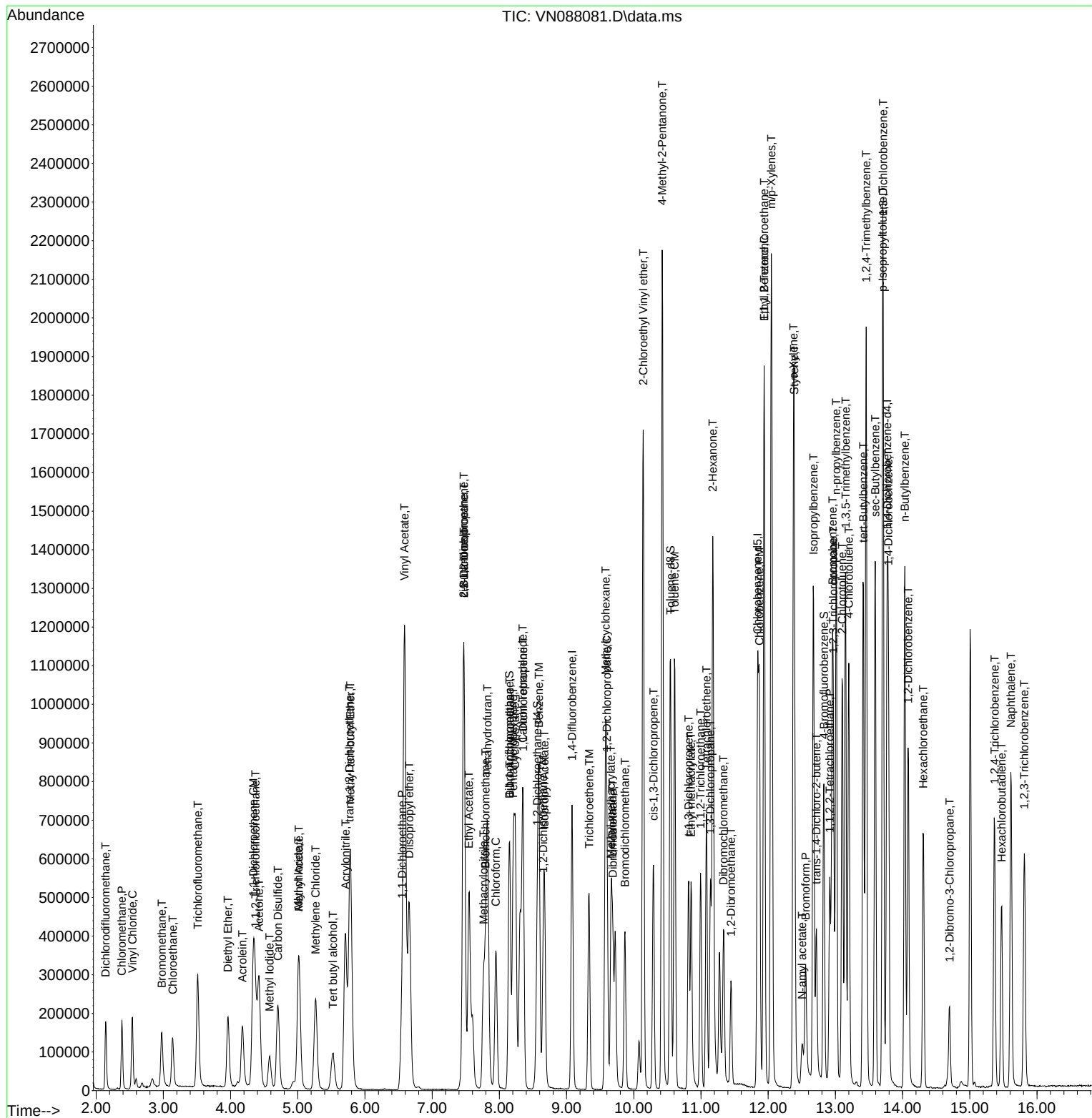
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088081.D
Acq On : 23 Oct 2025 11:20
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 02:42:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 02:37:20 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
 Data File : VN088082.D
 Acq On : 23 Oct 2025 11:41
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/24/2025
 Supervised By : Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 02:43:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 24 02:37:20 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	328655	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	610283	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	541844	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	276404	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	540367	95.083	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 190.160%#			
35) Dibromofluoromethane	8.147	113	399554	97.454	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 194.900%#			
50) Toluene-d8	10.547	98	1566524	99.162	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 198.320%#			
62) 4-Bromofluorobenzene	12.829	95	569341	102.048	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 204.100%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	323877	87.364	ug/l	98
3) Chloromethane	2.383	50	380310	87.199	ug/l	99
4) Vinyl Chloride	2.536	62	419872	88.355	ug/l	98
5) Bromomethane	2.959	94	255765	89.983	ug/l	99
6) Chloroethane	3.130	64	293645	85.765	ug/l	99
7) Trichlorofluoromethane	3.506	101	677579	89.398	ug/l	97
8) Diethyl Ether	3.959	74	262726	93.266	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	368583	94.241	ug/l	99
10) Methyl Iodide	4.577	142	443084	109.415	ug/l	99
11) Tert butyl alcohol	5.524	59	496669	507.281	ug/l	97
12) 1,1-Dichloroethene	4.330	96	359796	87.100	ug/l	96
13) Acrolein	4.177	56	535773	486.494	ug/l	100
14) Allyl chloride	5.012	41	739017	102.372	ug/l	97
15) Acrylonitrile	5.706	53	1398460	524.363	ug/l	98
16) Acetone	4.424	43	1352111	473.573	ug/l	95
17) Carbon Disulfide	4.700	76	1260006	100.343	ug/l	97
18) Methyl Acetate	5.012	43	588757	100.725	ug/l	98
19) Methyl tert-butyl Ether	5.788	73	1557573	102.672	ug/l	99
20) Methylene Chloride	5.265	84	465262	103.852	ug/l	94
21) trans-1,2-Dichloroethene	5.771	96	442419	96.858	ug/l	97
22) Diisopropyl ether	6.659	45	1405211	92.284	ug/l	99
23) Vinyl Acetate	6.588	43	6435529	469.193	ug/l	100
24) 1,1-Dichloroethane	6.553	63	750482	88.975	ug/l	98
25) 2-Butanone	7.471	43	1695926	455.416	ug/l	99
26) 2,2-Dichloropropane	7.471	77	672222	87.699	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	456379	87.431	ug/l	97
28) Bromochloromethane	7.800	49	392057	98.372	ug/l	97
29) Tetrahydrofuran	7.824	42	1118711	456.222	ug/l	99
30) Chloroform	7.953	83	763656	90.626	ug/l	100
31) Cyclohexane	8.241	56	693259	87.146	ug/l	97
32) 1,1,1-Trichloroethane	8.153	97	666712	88.836	ug/l	97
36) 1,1-Dichloropropene	8.353	75	552930	92.365	ug/l	98
37) Ethyl Acetate	7.547	43	706621	91.855	ug/l	98
38) Carbon Tetrachloride	8.347	117	573295	92.723	ug/l	96
39) Methylcyclohexane	9.582	83	705005	91.622	ug/l	96
40) Benzene	8.588	78	1675215	91.888	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
 Data File : VN088082.D
 Acq On : 23 Oct 2025 11:41
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/24/2025
 Supervised By : Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 02:43:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 24 02:37:20 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	361660	88.949	ug/l	98
42) 1,2-Dichloroethane	8.653	62	585932	90.453	ug/l	100
43) Isopropyl Acetate	8.671	43	1114940	93.923	ug/l	98
44) Trichloroethene	9.335	130	388649	91.204	ug/l	94
45) 1,2-Dichloropropane	9.600	63	414728	90.107	ug/l	99
46) Dibromomethane	9.688	93	300542	91.556	ug/l	99
47) Bromodichloromethane	9.871	83	608546	92.594	ug/l #	98
48) Methyl methacrylate	9.665	41	518783	92.006	ug/l	97
49) 1,4-Dioxane	9.682	88	129011	1892.672	ug/l #	99
51) 4-Methyl-2-Pentanone	10.423	43	3369067	479.746	ug/l	99
52) Toluene	10.606	92	1051747	93.569	ug/l	97
53) t-1,3-Dichloropropene	10.818	75	682584	97.583	ug/l	98
54) cis-1,3-Dichloropropene	10.294	75	716101	96.477	ug/l	95
55) 1,1,2-Trichloroethane	10.994	97	386802	90.704	ug/l	98
56) Ethyl methacrylate	10.853	69	690302	102.440	ug/l	96
57) 1,3-Dichloropropane	11.141	76	698638	93.206	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	1711029	487.433	ug/l	99
59) 2-Hexanone	11.176	43	2389312	518.272	ug/l	99
60) Dibromochloromethane	11.335	129	460237	94.953	ug/l	100
61) 1,2-Dibromoethane	11.447	107	413544	94.227	ug/l	99
64) Tetrachloroethene	11.082	164	322496	90.231	ug/l	97
65) Chlorobenzene	11.870	112	1141556	92.783	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.935	131	377142	93.562	ug/l	99
67) Ethyl Benzene	11.941	91	2030094	94.000	ug/l	99
68) m/p-Xylenes	12.047	106	1533978	189.570	ug/l	97
69) o-Xylene	12.376	106	741253	96.633	ug/l	98
70) Styrene	12.388	104	1262211	100.907	ug/l	99
71) Bromoform	12.559	173	299375	99.521	ug/l #	98
73) Isopropylbenzene	12.676	105	1978907	92.826	ug/l	99
74) N-amyl acetate	12.488	43	604970	95.060	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.917	83	596827	89.923	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	560461m	94.724	ug/l	
77) Bromobenzene	12.959	156	436345	94.918	ug/l	98
78) n-propylbenzene	13.012	91	2451982	94.250	ug/l	98
79) 2-Chlorotoluene	13.100	91	1406851	94.825	ug/l	100
80) 1,3,5-Trimethylbenzene	13.147	105	1673751	94.536	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.717	75	222990	98.182	ug/l #	79
82) 4-Chlorotoluene	13.200	91	1449779	90.321	ug/l	97
83) tert-Butylbenzene	13.417	119	1462710	92.484	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	1665233	94.006	ug/l	99
85) sec-Butylbenzene	13.594	105	2145645	92.338	ug/l	100
86) p-Isopropyltoluene	13.706	119	1752529	94.017	ug/l	100
87) 1,3-Dichlorobenzene	13.711	146	848480	92.456	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	874733	88.514	ug/l	99
89) n-Butylbenzene	14.035	91	1745999	94.560	ug/l	99
90) Hexachloroethane	14.311	117	337079	93.379	ug/l	96
91) 1,2-Dichlorobenzene	14.082	146	812199	91.813	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.694	75	134329	86.956	ug/l	94
93) 1,2,4-Trichlorobenzene	15.364	180	498767	93.098	ug/l	99
94) Hexachlorobutadiene	15.476	225	176342	88.389	ug/l	98
95) Naphthalene	15.611	128	1770584	96.473	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	468875	91.276	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088082.D
Acq On : 23 Oct 2025 11:41
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 02:43:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 02:37:20 2025
Response via : Initial Calibration

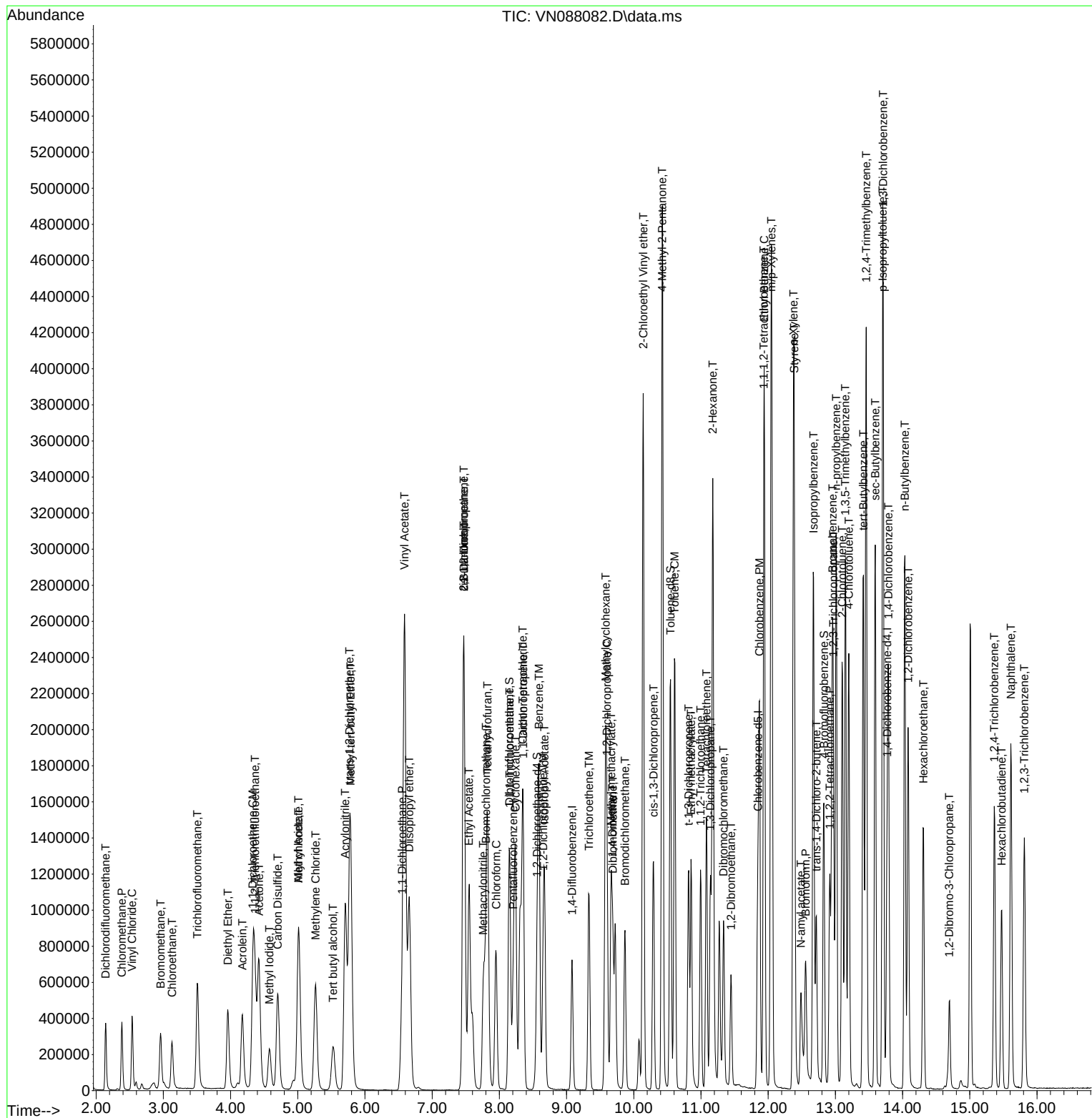
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
 Data File : VN088083.D
 Acq On : 23 Oct 2025 12:02
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/24/2025
 Supervised By : Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 02:44:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 24 02:37:20 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	317042	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	583838	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	513566	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	251277	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	829477	151.300	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 302.600%#			
35) Dibromofluoromethane	8.147	113	612902	156.263	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 312.520%#			
50) Toluene-d8	10.547	98	2423445	160.354	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 320.700%#			
62) 4-Bromofluorobenzene	12.823	95	855591	160.301	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 320.600%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.142	85	559446	156.435	ug/l	100
3) Chloromethane	2.383	50	636497	151.285	ug/l	100
4) Vinyl Chloride	2.536	62	709780	154.833	ug/l	98
5) Bromomethane	2.942	94	399041	145.533	ug/l	99
6) Chloroethane	3.118	64	483772	146.472	ug/l	100
7) Trichlorofluoromethane	3.506	101	1113526	152.297	ug/l	97
8) Diethyl Ether	3.959	74	418383	153.964	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	620616	164.495	ug/l	99
10) Methyl Iodide	4.577	142	579553	146.858	ug/l	98
11) Tert butyl alcohol	5.536	59	687112	727.499	ug/l	98
12) 1,1-Dichloroethene	4.336	96	605802	152.025	ug/l	99
13) Acrolein	4.171	56	868773	817.761	ug/l	99
14) Allyl chloride	5.006	41	1039367	149.252	ug/l	97
15) Acrylonitrile	5.706	53	1962438	762.784	ug/l	99
16) Acetone	4.418	43	2050839	744.611	ug/l	97
17) Carbon Disulfide	4.700	76	1802128	148.772	ug/l	99
18) Methyl Acetate	5.012	43	837402	148.512	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	2227290	152.197	ug/l	98
20) Methylene Chloride	5.259	84	650781	150.235	ug/l	98
21) trans-1,2-Dichloroethene	5.771	96	645153	146.416	ug/l	98
22) Diisopropyl ether	6.659	45	2329739	158.605	ug/l	99
23) Vinyl Acetate	6.589	43	10671220	806.501	ug/l	100
24) 1,1-Dichloroethane	6.553	63	1247462	153.312	ug/l	98
25) 2-Butanone	7.471	43	2779236	773.659	ug/l	99
26) 2,2-Dichloropropane	7.471	77	1131888	153.076	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	760672	151.064	ug/l	99
28) Bromochloromethane	7.794	49	596061	155.037	ug/l	97
29) Tetrahydrofuran	7.824	42	1817452	768.325	ug/l	100
30) Chloroform	7.947	83	1253456	154.201	ug/l	99
31) Cyclohexane	8.236	56	1181969	154.021	ug/l	95
32) 1,1,1-Trichloroethane	8.147	97	1103627	152.438	ug/l	96
36) 1,1-Dichloropropene	8.353	75	919113	160.490	ug/l	99
37) Ethyl Acetate	7.547	43	1144197	155.473	ug/l	98
38) Carbon Tetrachloride	8.341	117	956561	161.719	ug/l	96
39) Methylcyclohexane	9.577	83	1221844	165.983	ug/l	98
40) Benzene	8.588	78	2742115	157.221	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
 Data File : VN088083.D
 Acq On : 23 Oct 2025 12:02
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/24/2025

Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 02:44:28 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M

Quant Title : SW846 8260

QLast Update : Fri Oct 24 02:37:20 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	598399	153.840	ug/l	98
42) 1,2-Dichloroethane	8.653	62	970030	156.530	ug/l	100
43) Isopropyl Acetate	8.671	43	1833475	161.449	ug/l	98
44) Trichloroethene	9.335	130	646011	158.466	ug/l	95
45) 1,2-Dichloropropane	9.600	63	685501	155.683	ug/l	100
46) Dibromomethane	9.688	93	492395	156.795	ug/l	98
47) Bromodichloromethane	9.871	83	1002977	159.522	ug/l	98
48) Methyl methacrylate	9.659	41	858241	159.103	ug/l	96
49) 1,4-Dioxane	9.682	88	216888	3326.006	ug/l #	100
51) 4-Methyl-2-Pentanone	10.424	43	5433828	808.811	ug/l	99
52) Toluene	10.606	92	1731531	161.024	ug/l	97
53) t-1,3-Dichloropropene	10.812	75	1142477	170.728	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	1176069	165.622	ug/l	95
55) 1,1,2-Trichloroethane	10.994	97	621088	152.240	ug/l	97
56) Ethyl methacrylate	10.853	69	1139330	176.733	ug/l	97
57) 1,3-Dichloropropane	11.141	76	1133717	158.102	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	3047762	907.564	ug/l	100
59) 2-Hexanone	11.177	43	3910437	886.644	ug/l	99
60) Dibromochloromethane	11.341	129	763098	164.568	ug/l	99
61) 1,2-Dibromoethane	11.447	107	679250	161.779	ug/l	99
64) Tetrachloroethene	11.082	164	530165	156.503	ug/l	94
65) Chlorobenzene	11.871	112	1860929	159.579	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.935	131	611842	160.145	ug/l	99
67) Ethyl Benzene	11.941	91	3353341	163.821	ug/l	100
68) m/p-Xylenes	12.047	106	2548912	332.341	ug/l	96
69) o-Xylene	12.376	106	1207897	166.137	ug/l	98
70) Styrene	12.388	104	2041763	172.216	ug/l	100
71) Bromoform	12.559	173	493476	173.079	ug/l #	98
73) Isopropylbenzene	12.671	105	3220528	166.175	ug/l	99
74) N-amyl acetate	12.482	43	1157298	151.264	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.918	83	957146	158.633	ug/l	100
76) 1,2,3-Trichloropropane	12.971	75	880864m	163.762	ug/l	
77) Bromobenzene	12.959	156	680258	162.773	ug/l	100
78) n-propylbenzene	13.012	91	3932907	166.291	ug/l	98
79) 2-Chlorotoluene	13.100	91	2271825	168.438	ug/l	100
80) 1,3,5-Trimethylbenzene	13.147	105	2676801	166.308	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.712	75	383072	185.532	ug/l #	79
82) 4-Chlorotoluene	13.200	91	2338686	160.269	ug/l	98
83) tert-Butylbenzene	13.418	119	2359884	164.130	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	2631783	163.426	ug/l	98
85) sec-Butylbenzene	13.594	105	3479715	164.725	ug/l	100
86) p-Isopropyltoluene	13.706	119	2852012	168.299	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	1336615	160.211	ug/l	100
88) 1,4-Dichlorobenzene	13.788	146	1384247	154.079	ug/l	100
89) n-Butylbenzene	14.029	91	2811417	167.487	ug/l	98
90) Hexachloroethane	14.306	117	554569	168.991	ug/l	97
91) 1,2-Dichlorobenzene	14.082	146	1314340	163.434	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	229843	163.663	ug/l	95
93) 1,2,4-Trichlorobenzene	15.364	180	833168	171.067	ug/l	99
94) Hexachlorobutadiene	15.476	225	297412	163.980	ug/l	99
95) Naphthalene	15.612	128	3005848	180.155	ug/l	99
96) 1,2,3-Trichlorobenzene	15.812	180	800234	171.359	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088083.D
Acq On : 23 Oct 2025 12:02
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 02:44:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 02:37:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
 Data File : VN088083.D
 Acq On : 23 Oct 2025 12:02
 Operator : JC\MD
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

MSVOA_N

Client Sample Id :

VSTDIC150

Manual Integrations

APPROVED

Reviewed By : John Carlone 10/24/2025

Supervised By : Mahesh Dadoda 10/27/2025

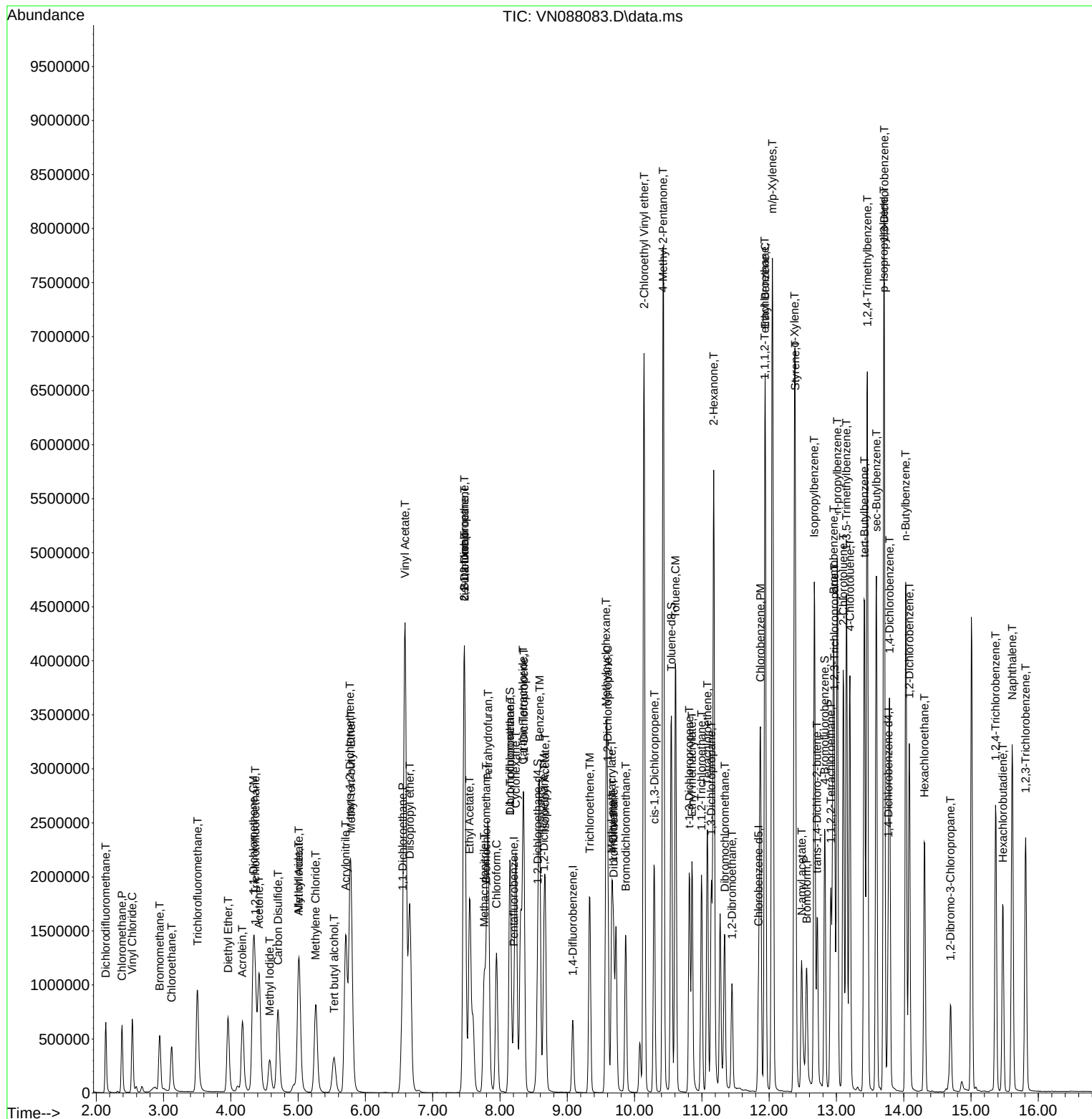
Quant Time: Oct 24 02:44:28 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M

Quant Title : SW846 8260

QLast Update : Fri Oct 24 02:37:20 2025

Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
 Data File : VN088085.D
 Acq On : 23 Oct 2025 14:54
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102325

Quant Time: Oct 24 03:19:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 24 03:16:47 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
 Supervised By :Mahesh Dadoda 10/27/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	329791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	629673	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	552962	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	275365	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	266313	46.699	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.400%		
35) Dibromofluoromethane	8.147	113	194019	45.865	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.740%		
50) Toluene-d8	10.547	98	763509	46.842	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.680%		
62) 4-Bromofluorobenzene	12.829	95	270623	47.012	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.020%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	181807	48.872	ug/l	100
3) Chloromethane	2.383	50	219077	50.058	ug/l	100
4) Vinyl Chloride	2.536	62	236939	49.688	ug/l	100
5) Bromomethane	2.971	94	148038	51.903	ug/l	99
6) Chloroethane	3.136	64	174590	50.817	ug/l	95
7) Trichlorofluoromethane	3.512	101	391081	51.420	ug/l	100
8) Diethyl Ether	3.959	74	151702	53.668	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	214444	54.641	ug/l	98
10) Methyl Iodide	4.583	142	188924	48.914	ug/l	94
11) Tert butyl alcohol	5.512	59	223370	227.357	ug/l	100
12) 1,1-Dichloroethene	4.336	96	214504	51.748	ug/l	99
13) Acrolein	4.177	56	314965	285.010	ug/l	99
14) Allyl chloride	5.012	41	338733	46.622	ug/l	97
15) Acrylonitrile	5.706	53	652411	243.784	ug/l	98
16) Acetone	4.418	43	708708	247.368	ug/l	98
17) Carbon Disulfide	4.706	76	597135	47.390	ug/l	98
18) Methyl Acetate	5.018	43	278412	47.467	ug/l	98
19) Methyl tert-butyl Ether	5.783	73	754371	49.555	ug/l	99
20) Methylene Chloride	5.259	84	226995	50.891	ug/l	98
21) trans-1,2-Dichloroethene	5.771	96	217864	47.883	ug/l	99
22) Diisopropyl ether	6.653	45	789811	51.691	ug/l	98
23) Vinyl Acetate	6.589	43	3597787	261.399	ug/l	99
24) 1,1-Dichloroethane	6.547	63	422648	49.935	ug/l	98
25) 2-Butanone	7.465	43	930039	246.326	ug/l	99
26) 2,2-Dichloropropane	7.471	77	384885	50.040	ug/l	99
27) cis-1,2-Dichloroethene	7.465	96	258806	49.410	ug/l	98
28) Bromochloromethane	7.794	49	202137	50.544	ug/l	100
29) Tetrahydrofuran	7.818	42	604070	245.497	ug/l	99
30) Chloroform	7.947	83	423655	50.104	ug/l	96
31) Cyclohexane	8.236	56	395022	49.485	ug/l	96
32) 1,1,1-Trichloroethane	8.147	97	374970	49.791	ug/l	98
36) 1,1-Dichloropropene	8.353	75	305017	49.383	ug/l	97
37) Ethyl Acetate	7.547	43	368137	46.186	ug/l	97
38) Carbon Tetrachloride	8.341	117	320797	50.287	ug/l	98
39) Methylcyclohexane	9.583	83	396292	49.916	ug/l	97
40) Benzene	8.588	78	933204	49.611	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
 Data File : VN088085.D
 Acq On : 23 Oct 2025 14:54
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN102325

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/24/2025
 Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 03:19:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 24 03:16:47 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	201543	48.042	ug/l	99
42) 1,2-Dichloroethane	8.647	62	333208	49.855	ug/l	100
43) Isopropyl Acetate	8.671	43	617708	50.434	ug/l	98
44) Trichloroethene	9.330	130	215931	49.112	ug/l	97
45) 1,2-Dichloropropane	9.600	63	233818	49.237	ug/l	94
46) Dibromomethane	9.688	93	169580	50.069	ug/l	98
47) Bromodichloromethane	9.865	83	341897	50.420	ug/l	97
48) Methyl methacrylate	9.659	41	285311	50.456	ug/l	97
49) 1,4-Dioxane	9.677	88	68041	967.465	ug/l #	99
51) 4-Methyl-2-Pentanone	10.424	43	1835452	253.315	ug/l	99
52) Toluene	10.606	92	584587	50.407	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	378294	52.416	ug/l	98
54) cis-1,3-Dichloropropene	10.288	75	396097	51.721	ug/l	96
55) 1,1,2-Trichloroethane	10.994	97	212827	48.370	ug/l	96
56) Ethyl methacrylate	10.853	69	377487	54.214	ug/l	96
57) 1,3-Dichloropropane	11.141	76	393469	50.877	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.141	63	973004	268.651	ug/l	99
59) 2-Hexanone	11.177	43	1284662	267.268	ug/l	98
60) Dibromochloromethane	11.341	129	253809	50.751	ug/l	99
61) 1,2-Dibromoethane	11.447	107	226306	49.976	ug/l	99
64) Tetrachloroethene	11.082	164	175856	48.214	ug/l	97
65) Chlorobenzene	11.871	112	637824	50.798	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.935	131	209987	51.047	ug/l	98
67) Ethyl Benzene	11.941	91	1128615	51.208	ug/l	99
68) m/p-Xylenes	12.047	106	859721	104.109	ug/l	98
69) o-Xylene	12.376	106	414102	52.899	ug/l	97
70) Styrene	12.388	104	691022	54.133	ug/l	99
71) Bromoform	12.559	173	158376	51.590	ug/l #	98
73) Isopropylbenzene	12.671	105	1095685	51.590	ug/l	99
74) N-amyl acetate	12.500	43	282147	58.174	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.918	83	327851	49.583	ug/l	100
76) 1,2,3-Trichloropropane	12.971	75	313480m	49.793	ug/l	
77) Bromobenzene	12.959	156	240684	52.553	ug/l	98
78) n-propylbenzene	13.012	91	1344076	51.859	ug/l	98
79) 2-Chlorotoluene	13.100	91	775440	52.463	ug/l	100
80) 1,3,5-Trimethylbenzene	13.147	105	914603	51.853	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.718	75	115268	51.074	ug/l #	80
82) 4-Chlorotoluene	13.200	91	807500	50.497	ug/l	98
83) tert-Butylbenzene	13.418	119	807306	51.237	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	923338	52.321	ug/l	99
85) sec-Butylbenzene	13.594	105	1189055	51.364	ug/l	99
86) p-Isopropyltoluene	13.706	119	993123	53.478	ug/l	100
87) 1,3-Dichlorobenzene	13.712	146	469549	51.358	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	481076	48.992	ug/l	99
89) n-Butylbenzene	14.035	91	950993	51.698	ug/l	98
90) Hexachloroethane	14.306	117	181442	50.453	ug/l	96
91) 1,2-Dichlorobenzene	14.082	146	447427	50.769	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	72041	46.810	ug/l	97
93) 1,2,4-Trichlorobenzene	15.365	180	265531	49.750	ug/l	99
94) Hexachlorobutadiene	15.470	225	96309	48.455	ug/l	97
95) Naphthalene	15.612	128	919023	50.263	ug/l	100
96) 1,2,3-Trichlorobenzene	15.812	180	250044	48.860	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088085.D
Acq On : 23 Oct 2025 14:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102325

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 03:19:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 03:16:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102325

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
 Data File : VN088085.D
 Acq On : 23 Oct 2025 14:54
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN102325

Quant Time: Oct 24 03:19:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 24 03:16:47 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	98	0.00
2 T	Dichlorodifluoromethane	0.564	0.551	2.3	118	0.00
3 P	Chloromethane	0.664	0.664	0.0	125	0.00
4 C	Vinyl Chloride	0.723	0.718	0.7#	121	0.00
5 T	Bromomethane	0.432	0.449	-3.9	128	0.00
6 T	Chloroethane	0.521	0.529	-1.5	125	0.00
7 T	Trichlorofluoromethane	1.153	1.186	-2.9	121	0.00
8 T	Diethyl Ether	0.429	0.460	-7.2	140	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.595	0.650	-9.2	133	0.00
10 T	Methyl Iodide	0.544	0.573	-5.3	123	0.00
11 T	Tert butyl alcohol	0.149	0.135	9.4	114	0.00
12 CM	1,1-Dichloroethene	0.628	0.650	-3.5#	137	0.00
13 T	Acrolein	0.168	0.191	-13.7	150#	0.00
14 T	Allyl chloride	1.102	1.027	6.8	123	0.00
15 T	Acrylonitrile	0.406	0.396	2.5	119	0.00
16 T	Acetone	0.434	0.430	0.9	131	0.00
17 T	Carbon Disulfide	1.910	1.811	5.2	119	0.00
18 T	Methyl Acetate	0.889	0.844	5.1	120	0.00
19 T	Methyl tert-butyl Ether	2.308	2.287	0.9	125	0.00
20 T	Methylene Chloride	0.729	0.688	5.6	124	0.00
21 T	trans-1,2-Dichloroethene	0.690	0.661	4.2	120	0.00
22 T	Diisopropyl ether	2.317	2.395	-3.4	124	0.00
23 T	Vinyl Acetate	2.087	2.182	-4.6	123	0.00
24 P	1,1-Dichloroethane	1.283	1.282	0.1	122	0.00
25 T	2-Butanone	0.572	0.564	1.4	118	0.00
26 T	2,2-Dichloropropane	1.166	1.167	-0.1	124	0.00
27 T	cis-1,2-Dichloroethene	0.794	0.785	1.1	122	0.00
28 T	Bromochloromethane	0.606	0.613	-1.2	102	0.00
29 T	Tetrahydrofuran	0.373	0.366	1.9	121	0.00
30 C	Chloroform	1.282	1.285	-0.2#	120	0.00
31 T	Cyclohexane	1.210	1.198	1.0	121	0.00
32 T	1,1,1-Trichloroethane	1.142	1.137	0.4	122	0.00
33 S	1,2-Dichloroethane-d4	0.865	0.808	6.6	99	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
35 S	Dibromofluoromethane	0.336	0.308	8.3	98	0.00
36 T	1,1-Dichloropropene	0.490	0.484	1.2	120	0.00
37 T	Ethyl Acetate	0.633	0.585	7.6	119	0.00
38 T	Carbon Tetrachloride	0.507	0.509	-0.4	122	0.00
39 T	Methylcyclohexane	0.630	0.629	0.2	120	0.00
40 TM	Benzene	1.494	1.482	0.8	122	0.00
41 T	Methacrylonitrile	0.333	0.320	3.9	119	0.00
42 TM	1,2-Dichloroethane	0.531	0.529	0.4	122	0.00
43 T	Isopropyl Acetate	0.973	0.981	-0.8	121	0.00
44 TM	Trichloroethene	0.349	0.343	1.7	121	0.00
45 C	1,2-Dichloropropane	0.377	0.371	1.6#	121	0.00
46 T	Dibromomethane	0.269	0.269	0.0	124	0.00
47 T	Bromodichloromethane	0.538	0.543	-0.9	124	0.00
48 T	Methyl methacrylate	0.449	0.453	-0.9	122	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
 Data File : VN088085.D
 Acq On : 23 Oct 2025 14:54
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102325

Quant Time: Oct 24 03:19:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 24 03:16:47 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	0.006	0.005	16.7	123	0.00
50 S	Toluene-d8	1.294	1.213	6.3	99	0.00
51 T	4-Methyl-2-Pentanone	0.575	0.583	-1.4	120	0.00
52 CM	Toluene	0.921	0.928	-0.8#	123	0.00
53 T	t-1,3-Dichloropropene	0.573	0.601	-4.9	126	0.00
54 T	cis-1,3-Dichloropropene	0.608	0.629	-3.5	126	0.00
55 T	1,1,2-Trichloroethane	0.349	0.338	3.2	120	0.00
56 T	Ethyl methacrylate	0.553	0.599	-8.3	126	0.00
57 T	1,3-Dichloropropane	0.614	0.625	-1.8	124	0.00
58 T	2-Chloroethyl Vinyl ether	0.288	0.309	-7.3	126	0.00
59 T	2-Hexanone	0.382	0.408	-6.8	123	0.00
60 T	Dibromochloromethane	0.397	0.403	-1.5	124	0.00
61 T	1,2-Dibromoethane	0.360	0.359	0.3	125	0.00
62 S	4-Bromofluorobenzene	0.457	0.430	5.9	98	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
64 T	Tetrachloroethene	0.330	0.318	3.6	122	0.00
65 PM	Chlorobenzene	1.135	1.153	-1.6	121	0.00
66 T	1,1,1,2-Tetrachloroethane	0.372	0.380	-2.2	121	0.00
67 C	Ethyl Benzene	1.993	2.041	-2.4#	122	0.00
68 T	m/p-Xylenes	0.747	0.777	-4.0	121	0.00
69 T	o-Xylene	0.708	0.749	-5.8	123	0.00
70 T	Styrene	1.154	1.250	-8.3	122	0.00
71 P	Bromoform	0.278	0.286	-2.9	121	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
73 T	Isopropylbenzene	3.856	3.979	-3.2	123	0.00
74 T	N-amyl acetate	1.095	1.025	6.4	109	0.00
75 P	1,1,2,2-Tetrachloroethane	1.201	1.191	0.8	122	0.00
76 T	1,2,3-Trichloropropane	1.143	1.138	0.4	120	0.00
77 T	Bromobenzene	0.832	0.874	-5.0	124	0.00
78 T	n-propylbenzene	4.706	4.881	-3.7	122	0.00
79 T	2-Chlorotoluene	2.684	2.816	-4.9	123	0.00
80 T	1,3,5-Trimethylbenzene	3.203	3.321	-3.7	122	0.00
81 T	trans-1,4-Dichloro-2-butene	0.410	0.419	-2.2	129	0.00
82 T	4-Chlorotoluene	2.904	2.932	-1.0	122	0.00
83 T	tert-Butylbenzene	2.861	2.932	-2.5	122	0.00
84 T	1,2,4-Trimethylbenzene	3.204	3.353	-4.7	121	0.00
85 T	sec-Butylbenzene	4.203	4.318	-2.7	121	0.00
86 T	p-Isopropyltoluene	3.372	3.607	-7.0	123	0.00
87 T	1,3-Dichlorobenzene	1.660	1.705	-2.7	121	0.00
88 T	1,4-Dichlorobenzene	1.783	1.747	2.0	122	0.00
89 T	n-Butylbenzene	3.340	3.454	-3.4	119	0.00
90 T	Hexachloroethane	0.653	0.659	-0.9	120	0.00
91 T	1,2-Dichlorobenzene	1.600	1.625	-1.6	123	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.279	0.262	6.1	120	0.00
93 T	1,2,4-Trichlorobenzene	0.969	0.964	0.5	120	0.00
94 T	Hexachlorobutadiene	0.361	0.350	3.0	117	0.00
95 T	Naphthalene	3.320	3.337	-0.5	119	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088085.D
Acq On : 23 Oct 2025 14:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102325

Quant Time: Oct 24 03:19:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 03:16:47 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.929	0.908	2.3	121	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
 Data File : VN088085.D
 Acq On : 23 Oct 2025 14:54
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102325

Quant Time: Oct 24 03:19:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 24 03:16:47 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	98	0.00
2 T	Dichlorodifluoromethane	50.000	48.872	2.3	118	0.00
3 P	Chloromethane	50.000	50.058	-0.1	125	0.00
4 C	Vinyl Chloride	50.000	49.688	0.6#	121	0.00
5 T	Bromomethane	50.000	51.903	-3.8	128	0.00
6 T	Chloroethane	50.000	50.817	-1.6	125	0.00
7 T	Trichlorofluoromethane	50.000	51.420	-2.8	121	0.00
8 T	Diethyl Ether	50.000	53.668	-7.3	140	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	54.641	-9.3	133	0.00
10 T	Methyl Iodide	50.000	48.914	2.2	123	0.00
11 T	Tert butyl alcohol	250.000	227.357	9.1	114	0.00
12 CM	1,1-Dichloroethene	50.000	51.748	-3.5#	137	0.00
13 T	Acrolein	250.000	285.010	-14.0	150	0.00
14 T	Allyl chloride	50.000	46.622	6.8	123	0.00
15 T	Acrylonitrile	250.000	243.784	2.5	119	0.00
16 T	Acetone	250.000	247.368	1.1	131	0.00
17 T	Carbon Disulfide	50.000	47.390	5.2	119	0.00
18 T	Methyl Acetate	50.000	47.467	5.1	120	0.00
19 T	Methyl tert-butyl Ether	50.000	49.555	0.9	125	0.00
20 T	Methylene Chloride	50.000	50.891	-1.8	124	0.00
21 T	trans-1,2-Dichloroethene	50.000	47.883	4.2	120	0.00
22 T	Diisopropyl ether	50.000	51.691	-3.4	124	0.00
23 T	Vinyl Acetate	250.000	261.399	-4.6	123	0.00
24 P	1,1-Dichloroethane	50.000	49.935	0.1	122	0.00
25 T	2-Butanone	250.000	246.326	1.5	118	0.00
26 T	2,2-Dichloropropane	50.000	50.040	-0.1	124	0.00
27 T	cis-1,2-Dichloroethene	50.000	49.410	1.2	122	0.00
28 T	Bromochloromethane	50.000	50.544	-1.1	102	0.00
29 T	Tetrahydrofuran	250.000	245.497	1.8	121	0.00
30 C	Chloroform	50.000	50.104	-0.2#	120	0.00
31 T	Cyclohexane	50.000	49.485	1.0	121	0.00
32 T	1,1,1-Trichloroethane	50.000	49.791	0.4	122	0.00
33 S	1,2-Dichloroethane-d4	50.000	46.699	6.6	99	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	100	0.00
35 S	Dibromofluoromethane	50.000	45.865	8.3	98	0.00
36 T	1,1-Dichloropropene	50.000	49.383	1.2	120	0.00
37 T	Ethyl Acetate	50.000	46.186	7.6	119	0.00
38 T	Carbon Tetrachloride	50.000	50.287	-0.6	122	0.00
39 T	Methylcyclohexane	50.000	49.916	0.2	120	0.00
40 TM	Benzene	50.000	49.611	0.8	122	0.00
41 T	Methacrylonitrile	50.000	48.042	3.9	119	0.00
42 TM	1,2-Dichloroethane	50.000	49.855	0.3	122	0.00
43 T	Isopropyl Acetate	50.000	50.434	-0.9	121	0.00
44 TM	Trichloroethene	50.000	49.112	1.8	121	0.00
45 C	1,2-Dichloropropane	50.000	49.237	1.5#	121	0.00
46 T	Dibromomethane	50.000	50.069	-0.1	124	0.00
47 T	Bromodichloromethane	50.000	50.420	-0.8	124	0.00
48 T	Methyl methacrylate	50.000	50.456	-0.9	122	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
 Data File : VN088085.D
 Acq On : 23 Oct 2025 14:54
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102325

Quant Time: Oct 24 03:19:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 24 03:16:47 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	967.465	3.3	123	0.00
50 S	Toluene-d8	50.000	46.842	6.3	99	0.00
51 T	4-Methyl-2-Pentanone	250.000	253.315	-1.3	120	0.00
52 CM	Toluene	50.000	50.407	-0.8#	123	0.00
53 T	t-1,3-Dichloropropene	50.000	52.416	-4.8	126	0.00
54 T	cis-1,3-Dichloropropene	50.000	51.721	-3.4	126	0.00
55 T	1,1,2-Trichloroethane	50.000	48.370	3.3	120	0.00
56 T	Ethyl methacrylate	50.000	54.214	-8.4	126	0.00
57 T	1,3-Dichloropropane	50.000	50.877	-1.8	124	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	268.651	-7.5	126	0.00
59 T	2-Hexanone	250.000	267.268	-6.9	123	0.00
60 T	Dibromochloromethane	50.000	50.751	-1.5	124	0.00
61 T	1,2-Dibromoethane	50.000	49.976	0.0	125	0.00
62 S	4-Bromofluorobenzene	50.000	47.012	6.0	98	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.00
64 T	Tetrachloroethene	50.000	48.214	3.6	122	0.00
65 PM	Chlorobenzene	50.000	50.798	-1.6	121	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	51.047	-2.1	121	0.00
67 C	Ethyl Benzene	50.000	51.208	-2.4#	122	0.00
68 T	m/p-Xylenes	100.000	104.109	-4.1	121	0.00
69 T	o-Xylene	50.000	52.899	-5.8	123	0.00
70 T	Styrene	50.000	54.133	-8.3	122	0.00
71 P	Bromoform	50.000	51.590	-3.2	121	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	98	0.00
73 T	Isopropylbenzene	50.000	51.590	-3.2	123	0.00
74 T	N-ethyl acetate	50.000	58.174	-16.3	109	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.583	0.8	122	0.00
76 T	1,2,3-Trichloropropane	50.000	49.793	0.4	120	0.00
77 T	Bromobenzene	50.000	52.553	-5.1	124	0.00
78 T	n-propylbenzene	50.000	51.859	-3.7	122	0.00
79 T	2-Chlorotoluene	50.000	52.463	-4.9	123	0.00
80 T	1,3,5-Trimethylbenzene	50.000	51.853	-3.7	122	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	51.074	-2.1	129	0.00
82 T	4-Chlorotoluene	50.000	50.497	-1.0	122	0.00
83 T	tert-Butylbenzene	50.000	51.237	-2.5	122	0.00
84 T	1,2,4-Trimethylbenzene	50.000	52.321	-4.6	121	0.00
85 T	sec-Butylbenzene	50.000	51.364	-2.7	121	0.00
86 T	p-Isopropyltoluene	50.000	53.478	-7.0	123	0.00
87 T	1,3-Dichlorobenzene	50.000	51.358	-2.7	121	0.00
88 T	1,4-Dichlorobenzene	50.000	48.992	2.0	122	0.00
89 T	n-Butylbenzene	50.000	51.698	-3.4	119	0.00
90 T	Hexachloroethane	50.000	50.453	-0.9	120	0.00
91 T	1,2-Dichlorobenzene	50.000	50.769	-1.5	123	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	46.810	6.4	120	0.00
93 T	1,2,4-Trichlorobenzene	50.000	49.750	0.5	120	0.00
94 T	Hexachlorobutadiene	50.000	48.455	3.1	117	0.00
95 T	Naphthalene	50.000	50.263	-0.5	119	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088085.D
Acq On : 23 Oct 2025 14:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102325

Quant Time: Oct 24 03:19:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 03:16:47 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	48.860	2.3	121	0.00

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



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance

Contract: CHEM02

Lab Code: ACE

SDG No.: Q3643

Instrument ID: MSVOA_X

Calibration Date(s): 11/07/2025 11/07/2025

Heated Purge: (Y/N) N

Calibration Time(s): 13:35 16:29

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

LAB FILE ID:		RRF001 = VX048516.D		RRF005 = VX048517.D		RRF020 = VX048518.D			
		RRF100 = VX048520.D		RRF150 = VX048521.D		RRF050 = VX048524.D			
COMPOUND	RRF001	RRF005	RRF020	RRF100	RRF150	RRF050	RRF	% RSD	
Dichlorodifluoromethane	0.365	0.364	0.352	0.452	0.474	0.424	0.405	12.8	
Chloromethane	0.603	0.457	0.425	0.581	0.565	0.592	0.537	14.2	
Vinyl Chloride	0.666	0.579	0.608	0.601	0.597	0.600	0.608	4.9	
Ethyl Acetate	0.748	0.901	0.676	0.648	0.639	0.667	0.713	14	
Bromomethane		0.468	0.417	0.323	0.287	0.426	0.384	19.8	
Chloroethane	0.465	0.419	0.397	0.370	0.357	0.383	0.398	9.8	
Trichlorofluoromethane	0.982	1.030	1.019	0.919	0.939	0.886	0.963	6	
1,1,2-Trichlorotrifluoroethane	0.552	0.556	0.616	0.546	0.558	0.515	0.557	5.9	
Tert butyl alcohol		0.129	0.133	0.132	0.127	0.138	0.132	3.2	
1,1-Dichloroethene	0.669	0.584	0.591	0.555	0.548	0.545	0.582	8	
Acrolein		0.023	0.015	0.017	0.020	0.020	0.019	16.4	
Acrylonitrile	0.405	0.383	0.395	0.370	0.356	0.403	0.385	5.1	
Acetone	0.383	0.318	0.318	0.317	0.313	0.330	0.330	8.1	
Carbon Disulfide	2.045	1.739	1.609	1.468	1.477	1.489	1.638	13.7	
Methyl tert-butyl Ether	2.163	2.158	2.049	1.984	1.861	2.117	2.055	5.7	
Methyl Acetate	1.195	0.876	0.857	0.818	0.823	0.869	0.906	15.8	
Methylene Chloride	0.845	0.689	0.663	0.624	0.595	0.653	0.678	13	
trans-1,2-Dichloroethene	0.700	0.650	0.612	0.585	0.557	0.598	0.617	8.3	
Vinyl Acetate	1.912	1.901	1.838	1.747	1.710	1.827	1.822	4.4	
1,1-Dichloroethane	1.255	1.247	1.124	1.083	1.041	1.102	1.142	7.8	
Cyclohexane		1.001	1.004	0.896	0.910	0.867	0.936	6.7	
2-Butanone	0.474	0.502	0.511	0.470	0.465	0.506	0.488	4.2	
Carbon Tetrachloride	0.640	0.766	0.546	0.520	0.504	0.486	0.577	18.6	
2,2-Dichloropropane	1.079	1.044	0.975	0.934	0.925	0.883	0.973	7.7	
cis-1,2-Dichloroethene	0.888	0.787	0.737	0.703	0.684	0.725	0.754	9.9	
Bromochloromethane	0.640	0.630	0.533	0.522	0.497	0.543	0.561	10.6	
Chloroform	1.357	1.277	1.162	1.105	1.052	1.120	1.179	9.8	
1,1,1-Trichloroethane	1.160	1.087	1.026	0.979	0.947	0.973	1.029	7.9	
Methylcyclohexane	0.585	0.607	0.558	0.561	0.592	0.510	0.569	6	
1,1-Dichloropropene	0.548	0.664	0.499	0.453	0.449	0.427	0.507	17.5	

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



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: CHEM02
 Lab Code: ACE SDG No.: Q3643
 Instrument ID: MSVOA_X Calibration Date(s): 11/07/2025 11/07/2025
 Heated Purge: (Y/N) N Calibration Time(s): 13:35 16:29
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX048516.D		RRF005 = VX048517.D		RRF020 = VX048518.D			
		RRF100 = VX048520.D		RRF150 = VX048521.D		RRF050 = VX048524.D			
COMPOUND	RRF001	RRF005	RRF020	RRF100	RRF150	RRF050	RRF	% RSD	
Benzene	1.745	2.038	1.468	1.396	1.369	1.408	1.571	17	
1,2-Dichloroethane	0.540	0.721	0.525	0.489	0.473	0.481	0.538	17.3	
Trichloroethene	0.423	0.390	0.356	0.366	0.363	0.355	0.375	7.1	
1,2-Dichloropropane	0.417	0.381	0.319	0.352	0.340	0.358	0.361	9.5	
Dibromomethane	0.278	0.303	0.217	0.264	0.251	0.268	0.263	10.8	
Bromodichloromethane	0.517	0.598	0.446	0.539	0.510	0.543	0.526	9.5	
4-Methyl-2-Pentanone	0.505	0.667	0.514	0.573	0.546	0.620	0.571	11	
Toluene	0.709	0.955	0.710	0.868	0.843	0.877	0.827	11.9	
t-1,3-Dichloropropene	0.513	0.609	0.452	0.561	0.542	0.572	0.541	10	
cis-1,3-Dichloropropene	0.472	0.633	0.481	0.595	0.578	0.606	0.561	12.1	
1,1,2-Trichloroethane	0.289	0.373	0.286	0.345	0.329	0.361	0.330	11.1	
1,3-Dichloropropane	0.529	0.674	0.498	0.581	0.551	0.618	0.575	11.1	
2-Chloroethyl Vinyl ether	0.229	0.301	0.251	0.327	0.311	0.354	0.296	15.9	
2-Hexanone	0.360	0.487	0.390	0.429	0.416	0.464	0.425	11	
Dibromochloromethane	0.347	0.468	0.351	0.428	0.404	0.436	0.406	12	
1,2-Dibromoethane	0.309	0.417	0.308	0.374	0.358	0.381	0.358	11.9	
Tetrachloroethene	0.444	0.364	0.352	0.344	0.348	0.327	0.363	11.4	
Chlorobenzene	1.406	1.245	1.153	1.112	1.105	1.101	1.187	10.1	
1,1,1,2-Tetrachloroethane	0.396	0.420	0.389	0.398	0.391	0.392	0.398	2.9	
Hexachloroethane	0.679	0.611	0.600	0.597	0.596	0.551	0.606	6.8	
Ethyl Benzene	2.253	2.045	1.976	1.899	1.898	1.887	1.993	7.1	
m/p-Xylenes	0.764	0.793	0.758	0.736	0.733	0.720	0.751	3.5	
o-Xylene	0.795	0.746	0.721	0.714	0.726	0.703	0.734	4.5	
Styrene	1.228	1.256	1.227	1.226	1.244	1.210	1.232	1.3	
Bromoform	0.427	0.350	0.345	0.359	0.373	0.348	0.367	8.4	
Isopropylbenzene	3.857	3.727	3.683	3.551	3.492	3.466	3.629	4.2	
1,1,1,2,2-Tetrachloroethane	1.544	1.284	1.230	1.207	1.185	1.229	1.280	10.4	
1,2,3-Trichloropropane	1.270	1.113	1.134	1.128	1.112	1.010	1.128	7.4	
Bromobenzene	1.054	0.961	0.913	0.909	0.877	0.909	0.937	6.7	
n-propylbenzene	4.682	4.356	4.371	4.097	4.073	4.027	4.268	5.9	

* 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.



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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: CHEM02
 Lab Code: ACE SDG No.: Q3643
 Instrument ID: MSVOA_X Calibration Date(s): 11/07/2025 11/07/2025
 Heated Purge: (Y/N) N Calibration Time(s): 13:35 16:29
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX048516.D		RRF005 = VX048517.D		RRF020 = VX048518.D			
		RRF100 = VX048520.D		RRF150 = VX048521.D		RRF050 = VX048524.D			
COMPOUND	RRF001	RRF005	RRF020	RRF100	RRF150	RRF050	RRF	% RSD	
2-Chlorotoluene	2.995	2.601	2.565	2.493	2.382	2.437	2.579	8.5	
1,3,5-Trimethylbenzene	3.172	2.990	3.003	2.913	2.855	2.819	2.959	4.3	
4-Chlorotoluene	3.437	3.105	2.985	2.916	2.842	2.866	3.025	7.4	
tert-Butylbenzene	3.231	3.058	3.080	3.036	3.010	2.945	3.060	3.1	
1,2,4-Trimethylbenzene	3.224	2.963	2.991	2.951	2.886	2.897	2.985	4.1	
sec-Butylbenzene	4.137	3.883	3.841	3.643	3.693	3.496	3.782	5.9	
p-Isopropyltoluene	3.445	3.138	3.226	3.123	3.159	2.988	3.180	4.8	
1,3-Dichlorobenzene	2.076	1.785	1.686	1.680	1.668	1.644	1.756	9.3	
1,4-Dichlorobenzene	2.329	1.860	1.676	1.671	1.672	1.678	1.814	14.5	
n-Butylbenzene	3.281	3.038	3.007	2.883	2.972	2.718	2.983	6.2	
1,2-Dichlorobenzene	1.944	1.695	1.611	1.627	1.616	1.624	1.686	7.7	
1,2-Dibromo-3-Chloropropane	0.304	0.308	0.294	0.298	0.285	0.297	0.297	2.7	
1,2,4-Trichlorobenzene	1.353	1.032	1.057	1.097	1.117	1.066	1.120	10.5	
Hexachlorobutadiene	0.611	0.467	0.450	0.421	0.455	0.406	0.468	15.7	
Naphthalene	3.675	3.299	3.529	3.732	3.682	3.700	3.603	4.6	
1,2,3-Trichlorobenzene	1.170	0.973	0.994	1.049	1.051	1.016	1.042	6.7	
1,2-Dichloroethane-d4		0.775	0.723	0.677	0.623	0.685	0.697	8.1	
Dibromofluoromethane		0.484	0.374	0.356	0.327	0.351	0.378	16.2	
Toluene-d8		1.341	1.021	1.210	1.128	1.202	1.180	10	
4-Bromofluorobenzene		0.523	0.365	0.445	0.423	0.443	0.440	12.9	

* 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.

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X110725W.M
 Title : SW846 8260
 Last Update : Sat Nov 08 05:08:11 2025
 Response Via : Initial Calibration

Calibration Files

1 =VX048516.D 5 =VX048517.D 20 =VX048518.D 50 =VX048524.D 100 =VX048520.D 150 =VX048521.D

Compound		1	5	20	50	100	150	Avg	%RSD

1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.365	0.364	0.352	0.424	0.452	0.474	0.405	12.78
3) P	Chloromethane	0.603	0.457	0.425	0.592	0.581	0.565	0.537	14.19
4) C	Vinyl Chloride	0.666	0.579	0.608	0.600	0.601	0.597	0.608	4.86#
5) T	Bromomethane		0.468	0.417	0.426	0.323	0.287	0.384	19.75
6) T	Chloroethane	0.465	0.419	0.397	0.383	0.370	0.357	0.398	9.77
7) T	Trichlorofluor...	0.982	1.030	1.019	0.886	0.919	0.939	0.963	5.98
8) T	Diethyl Ether	0.397	0.420	0.379	0.393	0.376	0.353	0.386	5.87
9) T	1,1,2-Trichlor...	0.552	0.556	0.616	0.515	0.546	0.558	0.557	5.91
10) T	Methyl Iodide		0.833	0.822	0.824	0.836	0.808	0.825	1.34
11) T	Tert butyl alc...		0.129	0.133	0.138	0.132	0.127	0.132	3.25
12) CM	1,1-Dichloroet...	0.669	0.584	0.591	0.545	0.555	0.548	0.582	8.02#
13) T	Acrolein		0.023	0.015	0.020	0.017	0.020	0.019	16.42
14) T	Allyl chloride	1.243	1.129	1.065	1.048	1.010	1.008	1.084	8.27
15) T	Acrylonitrile	0.405	0.383	0.395	0.403	0.370	0.356	0.385	5.05
16) T	Acetone	0.383	0.318	0.318	0.330	0.317	0.313	0.330	8.07
17) T	Carbon Disulfide	2.045	1.739	1.609	1.489	1.468	1.477	1.638	13.75
18) T	Methyl Acetate	1.195	0.876	0.857	0.869	0.818	0.823	0.906	15.80
19) T	Methyl tert-bu...	2.163	2.158	2.049	2.117	1.984	1.861	2.055	5.70
20) T	Methylene Chlo...	0.845	0.689	0.663	0.653	0.624	0.595	0.678	13.00
21) T	trans-1,2-Dich...	0.700	0.650	0.612	0.598	0.585	0.557	0.617	8.29
22) T	Diisopropyl ether	2.220	2.180	2.105	2.064	1.977	1.939	2.081	5.30
23) T	Vinyl Acetate	1.912	1.901	1.838	1.827	1.747	1.710	1.822	4.43
24) P	1,1-Dichloroet...	1.255	1.247	1.124	1.102	1.083	1.041	1.142	7.77
25) T	2-Butanone	0.474	0.502	0.511	0.506	0.470	0.465	0.488	4.20
26) T	2,2-Dichloropr...	1.079	1.044	0.975	0.883	0.934	0.925	0.973	7.71
27) T	cis-1,2-Dichlo...	0.888	0.787	0.737	0.725	0.703	0.684	0.754	9.90
28) T	Bromochloromet...	0.640	0.630	0.533	0.543	0.522	0.497	0.561	10.61
29) T	Tetrahydrofuran	0.406	0.357	0.350	0.349	0.321	0.306	0.348	9.91
30) C	Chloroform	1.357	1.277	1.162	1.120	1.105	1.052	1.179	9.79#
31) T	Cyclohexane		1.001	1.004	0.867	0.896	0.910	0.936	6.73
32) T	1,1,1-Trichlor...	1.160	1.087	1.026	0.973	0.979	0.947	1.029	7.90
33) S	1,2-Dichloroet...		0.775	0.723	0.685	0.677	0.623	0.697	8.08
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.484	0.374	0.351	0.356	0.327	0.378	16.22
36) T	1,1-Dichloropr...	0.548	0.664	0.499	0.427	0.453	0.449	0.507	17.46
37) T	Ethyl Acetate	0.748	0.901	0.676	0.667	0.648	0.639	0.713	13.96
38) T	Carbon Tetrach...	0.640	0.766	0.546	0.486	0.520	0.504	0.577	18.63
39) T	Methylcyclohexane	0.585	0.607	0.558	0.510	0.561	0.592	0.569	6.00
40) TM	Benzene	1.745	2.038	1.468	1.408	1.396	1.369	1.571	16.99
41) T	Methacrylonitrile	0.315	0.406	0.310	0.295	0.276	0.280	0.314	15.30
42) TM	1,2-Dichloroet...	0.540	0.721	0.525	0.481	0.489	0.473	0.538	17.33
43) T	Isopropyl Acetate	1.009	1.298	0.958	0.929	0.908	0.914	1.003	14.92
44) TM	Trichloroethene	0.423	0.390	0.356	0.355	0.366	0.363	0.375	7.10
45) C	1,2-Dichloropr...	0.417	0.381	0.319	0.358	0.352	0.340	0.361	9.45#
46) T	Dibromomethane	0.278	0.303	0.217	0.268	0.264	0.251	0.263	10.84
47) T	Bromodichlorom...	0.517	0.598	0.446	0.543	0.539	0.510	0.526	9.49
48) T	Methyl methacr...	0.467	0.476	0.385	0.462	0.448	0.435	0.446	7.40
49) T	1,4-Dioxane	0.006	0.007	0.006	0.007	0.008	0.007	0.007	12.02
50) S	Toluene-d8		1.341	1.021	1.202	1.210	1.128	1.180	9.96
51) T	4-Methyl-2-Pen...	0.505	0.667	0.514	0.620	0.573	0.546	0.571	11.02
52) CM	Toluene	0.709	0.955	0.710	0.877	0.868	0.843	0.827	11.87#
53) T	t-1,3-Dichloro...	0.513	0.609	0.452	0.572	0.561	0.542	0.541	10.02
54) T	cis-1,3-Dichlo...	0.472	0.633	0.481	0.606	0.595	0.578	0.561	12.05
55) T	1,1,2-Trichlor...	0.289	0.373	0.286	0.361	0.345	0.329	0.330	11.11
56) T	Ethyl methacry...	0.446	0.594	0.474	0.618	0.594	0.573	0.550	13.05

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X110725W.M

57)	T	1,3-Dichloropr...	0.529	0.674	0.498	0.618	0.581	0.551	0.575	11.11
58)	T	2-Chloroethyl ...	0.229	0.301	0.251	0.354	0.327	0.311	0.296	15.90
59)	T	2-Hexanone	0.360	0.487	0.390	0.464	0.429	0.416	0.425	10.96
60)	T	Dibromochlorom...	0.347	0.468	0.351	0.436	0.428	0.404	0.406	11.97
61)	T	1,2-Dibromoethane	0.309	0.417	0.308	0.381	0.374	0.358	0.358	11.93
62)	S	4-Bromofluorob...	0.523	0.365	0.443	0.445	0.423	0.440		12.88

63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.444	0.364	0.352	0.327	0.344	0.348	0.363	11.38
65)	PM	Chlorobenzene	1.406	1.245	1.153	1.101	1.112	1.105	1.187	10.12
66)	T	1,1,1,2-Tetrac...	0.396	0.420	0.389	0.392	0.398	0.391	0.398	2.88
67)	C	Ethyl Benzene	2.253	2.045	1.976	1.887	1.899	1.898	1.993	7.08#
68)	T	m/p-Xylenes	0.764	0.793	0.758	0.720	0.736	0.733	0.751	3.49
69)	T	o-Xylene	0.795	0.746	0.721	0.703	0.714	0.726	0.734	4.50
70)	T	Styrene	1.228	1.256	1.227	1.210	1.226	1.244	1.232	1.30
71)	P	Bromoform	0.427	0.350	0.345	0.348	0.359	0.373	0.367	8.43

72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.857	3.727	3.683	3.466	3.551	3.492	3.629	4.20
74)	T	N-amyl acetate	1.998	1.826	1.851	1.793	1.739	1.727	1.822	5.41
75)	P	1,1,2,2-Tetrac...	1.544	1.284	1.230	1.229	1.207	1.185	1.280	10.45
76)	T	1,2,3-Trichlor...	1.270	1.113	1.134	1.470	1.128	1.112	1.205	11.88
77)	T	Bromobenzene	1.054	0.961	0.913	0.909	0.909	0.877	0.937	6.74
78)	T	n-propylbenzene	4.682	4.356	4.371	4.027	4.097	4.073	4.268	5.89
79)	T	2-Chlorotoluene	2.995	2.601	2.565	2.437	2.493	2.382	2.579	8.50
80)	T	1,3,5-Trimethy...	3.172	2.990	3.003	2.819	2.913	2.855	2.959	4.30
81)	T	trans-1,4-Dich...	0.376	0.398	0.433	0.444	0.454	0.421		7.75
82)	T	4-Chlorotoluene	3.437	3.105	2.985	2.866	2.916	2.842	3.025	7.37
83)	T	tert-Butylbenzene	3.231	3.058	3.080	2.945	3.036	3.010	3.060	3.13
84)	T	1,2,4-Trimethy...	3.224	2.963	2.991	2.897	2.951	2.886	2.985	4.14
85)	T	sec-Butylbenzene	4.137	3.883	3.841	3.496	3.643	3.693	3.782	5.90
86)	T	p-Isopropyltol...	3.445	3.138	3.226	2.988	3.123	3.159	3.180	4.76
87)	T	1,3-Dichlorobe...	2.076	1.785	1.686	1.644	1.680	1.668	1.756	9.34
88)	T	1,4-Dichlorobe...	2.329	1.860	1.676	1.678	1.671	1.672	1.814	14.49
89)	T	n-Butylbenzene	3.281	3.038	3.007	2.718	2.883	2.972	2.983	6.23
90)	T	Hexachloroethane	0.679	0.611	0.600	0.551	0.597	0.596	0.606	6.82
91)	T	1,2-Dichlorobe...	1.944	1.695	1.611	1.624	1.627	1.616	1.686	7.71
92)	T	1,2-Dibromo-3-...	0.304	0.308	0.294	0.297	0.298	0.285	0.297	2.66
93)	T	1,2,4-Trichlor...	1.353	1.032	1.057	1.066	1.097	1.117	1.120	10.53
94)	T	Hexachlorobuta...	0.611	0.467	0.450	0.406	0.421	0.455	0.468	15.66
95)	T	Naphthalene	3.675	3.299	3.529	3.700	3.732	3.682	3.603	4.56
96)	T	1,2,3-Trichlor...	1.170	0.973	0.994	1.016	1.049	1.051	1.042	6.70

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048516.D
 Acq On : 07 Nov 2025 13:35
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/10/2025
 Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:38:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 04:36:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	195603	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.738	114	335919	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	223304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	110981	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	1.172	85	1427	0.900	ug/l	95
3) Chloromethane	1.300	50	2360	1.123	ug/l #	87
4) Vinyl Chloride	1.380	62	2604	1.094	ug/l	99
6) Chloroethane	1.697	64	1819	1.167	ug/l #	77
7) Trichlorofluoromethane	1.892	101	3842	1.020	ug/l	98
8) Diethyl Ether	2.130	74	1554	1.028	ug/l	85
9) 1,1,2-Trichlorotrifluo...	2.331	101	2160	0.991	ug/l #	90
12) 1,1-Dichloroethene	2.319	96	2617	1.149	ug/l #	86
14) Allyl chloride	2.666	41	4862	1.147	ug/l	95
15) Acrylonitrile	3.056	53	7915	5.250	ug/l	97
16) Acetone	2.373	43	7490	5.805	ug/l	98
17) Carbon Disulfide	2.514	76	8000	1.249	ug/l #	93
18) Methyl Acetate	2.703	43	4673	1.318	ug/l	93
19) Methyl tert-butyl Ether	3.105	73	8461	1.052	ug/l #	89
20) Methylene Chloride	2.788	84	3307	1.247	ug/l #	87
21) trans-1,2-Dichloroethene	3.087	96	2739	1.135	ug/l	97
22) Diisopropyl ether	3.757	45	8684	1.067	ug/l	86
23) Vinyl Acetate	3.721	43	37398	5.246	ug/l	97
24) 1,1-Dichloroethane	3.605	63	4909	1.099	ug/l	95
25) 2-Butanone	4.544	43	9269	4.857	ug/l	95
26) 2,2-Dichloropropane	4.464	77	4220	1.108	ug/l	92
27) cis-1,2-Dichloroethene	4.477	96	3475	1.178	ug/l	96
28) Bromochloromethane	4.885	49	2504	1.141	ug/l #	99
29) Tetrahydrofuran	4.995	42	7932	5.835	ug/l	92
30) Chloroform	5.080	83	5308	1.151	ug/l	84
32) 1,1,1-Trichloroethane	5.367	97	4539	1.128	ug/l #	49
36) 1,1-Dichloropropene	5.678	75	3685	1.082	ug/l	99
37) Ethyl Acetate	4.714	43	5027	1.049	ug/l #	88
38) Carbon Tetrachloride	5.659	117	4298	1.109	ug/l	89
39) Methylcyclohexane	7.360	83	3932	1.029	ug/l #	88
40) Benzene	6.025	78	11724	1.111	ug/l	98
41) Methacrylonitrile	4.910	41	2117	1.005	ug/l #	74
42) 1,2-Dichloroethane	6.068	62	3627	1.003	ug/l	94
43) Isopropyl Acetate	6.330	43	6781	1.007	ug/l	94
44) Trichloroethene	7.110	130	2845	1.128	ug/l	76
45) 1,2-Dichloropropane	7.409	63	2802	1.155	ug/l	91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048516.D
 Acq On : 07 Nov 2025 13:35
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/10/2025
 Supervised By : Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:38:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 04:36:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.561	93	1870	1.057	ug/l	97
47) Bromodichloromethane	7.805	83	3471	0.983	ug/l #	73
48) Methyl methacrylate	7.690	41	3138	1.048	ug/l	90
49) 1,4-Dioxane	7.653	88	811	17.773	ug/l #	86
51) 4-Methyl-2-Pentanone	8.555	43	16970	4.426	ug/l	90
52) Toluene	8.702	92	4764	0.857	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	3445	0.947	ug/l #	86
54) cis-1,3-Dichloropropene	8.354	75	3173	0.842	ug/l #	78
55) 1,1,2-Trichloroethane	9.140	97	1939	0.874	ug/l #	87
56) Ethyl methacrylate	9.104	69	2995	0.811	ug/l #	89
57) 1,3-Dichloropropane	9.293	76	3551	0.919	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.226	63	7704m	3.915	ug/l	
59) 2-Hexanone	9.415	43	12104	4.243	ug/l	91
60) Dibromochloromethane	9.500	129	2328	0.854	ug/l	92
61) 1,2-Dibromoethane	9.598	107	2078	0.864	ug/l	87
64) Tetrachloroethene	9.250	164	1983	1.223	ug/l #	83
65) Chlorobenzene	10.067	112	6278	1.184	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.140	131	1769	0.996	ug/l #	55
67) Ethyl Benzene	10.177	91	10060	1.130	ug/l	96
68) m/p-Xylenes	10.287	106	6820	2.035	ug/l	96
69) o-Xylene	10.622	106	3552	1.083	ug/l	98
70) Styrene	10.640	104	5483	0.997	ug/l	94
71) Bromoform	10.787	173	1905	1.163	ug/l #	89
73) Isopropylbenzene	10.945	105	8562	1.063	ug/l	99
74) N-amyl acetate	10.829	43	4435	1.096	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.195	83	3428	1.207	ug/l	97
76) 1,2,3-Trichloropropane	11.219	75	2820m	1.192	ug/l	
77) Bromobenzene	11.183	156	2339	1.124	ug/l	98
78) n-propylbenzene	11.286	91	10393	1.097	ug/l	99
79) 2-Chlorotoluene	11.347	91	6648	1.161	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	7041	1.072	ug/l	94
82) 4-Chlorotoluene	11.439	91	7628	1.136	ug/l	97
83) tert-Butylbenzene	11.695	119	7172	1.056	ug/l	100
84) 1,2,4-Trimethylbenzene	11.731	105	7156	1.080	ug/l	97
85) sec-Butylbenzene	11.872	105	9183	1.094	ug/l	96
86) p-Isopropyltoluene	11.994	119	7646	1.083	ug/l	92
87) 1,3-Dichlorobenzene	11.951	146	4609	1.182	ug/l	96
88) 1,4-Dichlorobenzene	12.018	146	5170m	1.314	ug/l	
89) n-Butylbenzene	12.317	91	7282	1.100	ug/l	94
90) Hexachloroethane	12.518	117	1507	1.121	ug/l	95
91) 1,2-Dichlorobenzene	12.323	146	4315	1.153	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.932	75	674	1.021	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	3004	1.208	ug/l	96
94) Hexachlorobutadiene	13.707	225	1356	1.304	ug/l	97
95) Naphthalene	13.762	128	8156	1.020	ug/l	98
96) 1,2,3-Trichlorobenzene	13.944	180	2598	1.123	ug/l	89

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

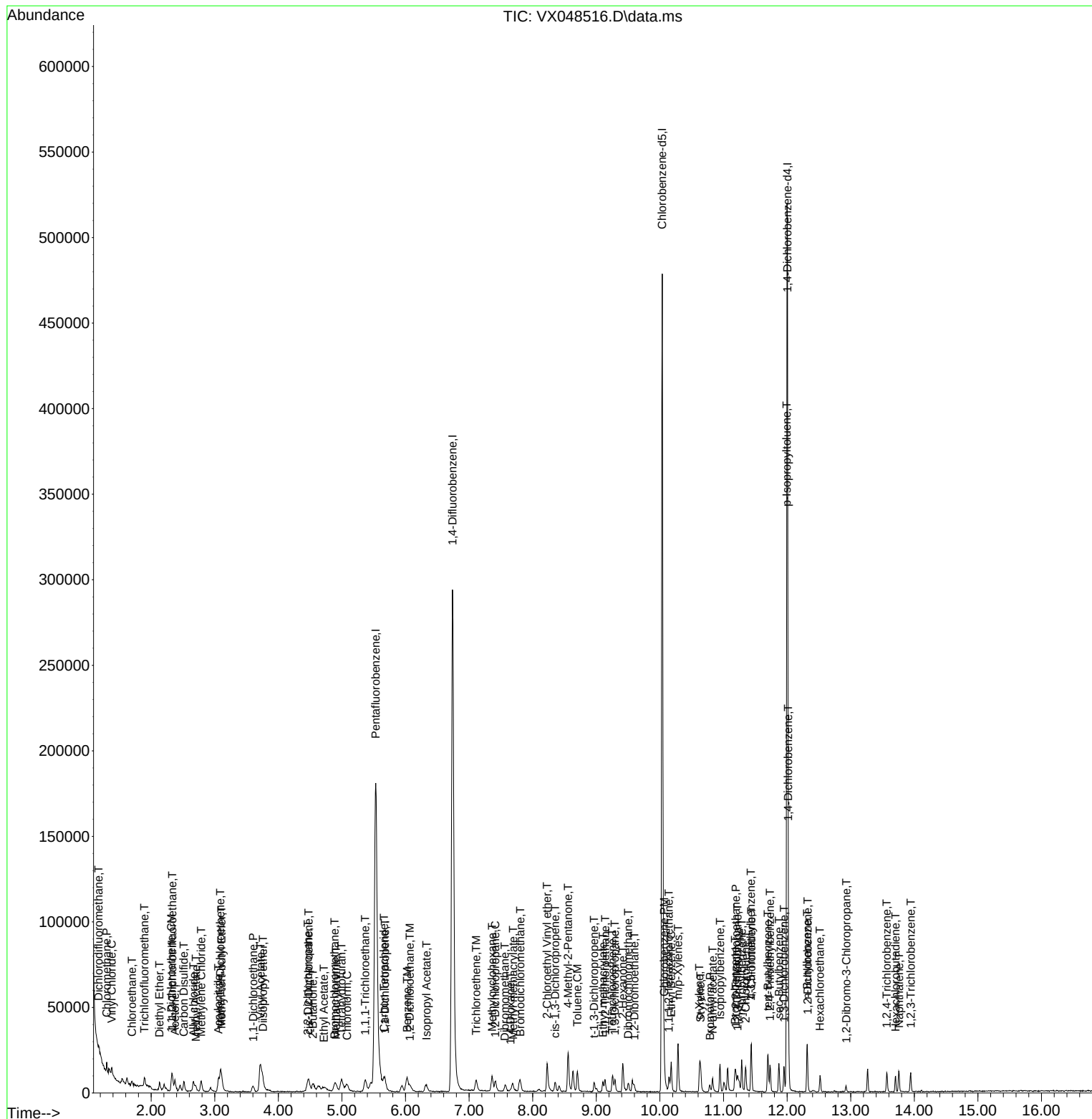
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048516.D
 Acq On : 07 Nov 2025 13:35
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
 Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:38:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 04:36:23 2025
 Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048517.D
 Acq On : 07 Nov 2025 13:56
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/10/2025
 Supervised By : Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:38:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 04:36:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	193270	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	250338	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	225597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	118579	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	14969	5.558	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	11.120%#		
35) Dibromofluoromethane	5.373	113	12118	6.396	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	12.800%#		
50) Toluene-d8	8.635	98	33563	5.680	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	11.360%#		
62) 4-Bromofluorobenzene	11.061	95	13095	5.946	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	11.900%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	7029	4.488	ug/l	98
3) Chloromethane	1.301	50	8841	4.256	ug/l	89
4) Vinyl Chloride	1.380	62	11197	4.761	ug/l	89
5) Bromomethane	1.611	94	9050	6.088	ug/l	100
6) Chloroethane	1.691	64	8089	5.252	ug/l	90
7) Trichlorofluoromethane	1.892	101	19916	5.353	ug/l	97
8) Diethyl Ether	2.136	74	8115	5.434	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	10746	4.989	ug/l	98
10) Methyl Iodide	2.453	142	16103	5.052	ug/l	94
11) Tert butyl alcohol	2.947	59	12490	24.476	ug/l	99
12) 1,1-Dichloroethene	2.325	96	11295	5.020	ug/l	90
13) Acrolein	2.246	56	2253	30.799	ug/l	94
14) Allyl chloride	2.666	41	21817	5.208	ug/l	95
15) Acrylonitrile	3.056	53	37042	24.865	ug/l	94
16) Acetone	2.374	43	30713	24.093	ug/l	98
17) Carbon Disulfide	2.514	76	33603	5.308	ug/l	99
18) Methyl Acetate	2.697	43	16930	4.833	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	41711	5.250	ug/l	98
20) Methylene Chloride	2.788	84	13313	5.080	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	12560	5.267	ug/l	87
22) Diisopropyl ether	3.751	45	42130	5.238	ug/l	92
23) Vinyl Acetate	3.715	43	183665	26.073	ug/l	95
24) 1,1-Dichloroethane	3.605	63	24095	5.459	ug/l	98
25) 2-Butanone	4.544	43	48544	25.742	ug/l	90
26) 2,2-Dichloropropane	4.471	77	20186	5.365	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	15219	5.221	ug/l	95
28) Bromochloromethane	4.885	49	12176	5.616	ug/l	96
29) Tetrahydrofuran	5.001	42	34508	25.691	ug/l	98
30) Chloroform	5.080	83	24671	5.415	ug/l	98
31) Cyclohexane	5.464	56	19337	5.347	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	21014	5.285	ug/l	98
36) 1,1-Dichloropropene	5.678	75	16623	6.552	ug/l	97
37) Ethyl Acetate	4.702	43	22548	6.314	ug/l	98
38) Carbon Tetrachloride	5.666	117	19186	6.643	ug/l #	97
39) Methylcyclohexane	7.367	83	15183	5.330	ug/l	95
40) Benzene	6.025	78	51007	6.486	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048517.D
 Acq On : 07 Nov 2025 13:56
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/10/2025
 Supervised By : Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:38:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 04:36:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	10171	6.476	ug/l	99
42) 1,2-Dichloroethane	6.080	62	18051	6.699	ug/l	98
43) Isopropyl Acetate	6.324	43	32505	6.475	ug/l	96
44) Trichloroethene	7.117	130	9754	5.189	ug/l	97
45) 1,2-Dichloropropane	7.415	63	9530	5.270	ug/l	97
46) Dibromomethane	7.568	93	7573	5.742	ug/l	96
47) Bromodichloromethane	7.812	83	14970	5.690	ug/l #	97
48) Methyl methacrylate	7.684	41	11928	5.345	ug/l	93
49) 1,4-Dioxane	7.647	88	3476	102.220	ug/l #	93
51) 4-Methyl-2-Pentanone	8.555	43	83493	29.217	ug/l	95
52) Toluene	8.708	92	23897	5.772	ug/l	95
53) t-1,3-Dichloropropene	8.964	75	15253	5.626	ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	15836	5.641	ug/l	92
55) 1,1,2-Trichloroethane	9.135	97	9348	5.651	ug/l	96
56) Ethyl methacrylate	9.104	69	14858	5.398	ug/l	89
57) 1,3-Dichloropropane	9.293	76	16872	5.860	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	37670m	25.686	ug/l	
59) 2-Hexanone	9.415	43	60936	28.666	ug/l	94
60) Dibromochloromethane	9.506	129	11712	5.766	ug/l	98
61) 1,2-Dibromoethane	9.598	107	10441	5.827	ug/l	100
64) Tetrachloroethene	9.256	164	8201	5.005	ug/l	98
65) Chlorobenzene	10.061	112	28081	5.244	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.147	131	9473	5.280	ug/l	94
67) Ethyl Benzene	10.177	91	46125	5.130	ug/l	98
68) m/p-Xylenes	10.287	106	35759	10.559	ug/l	100
69) o-Xylene	10.628	106	16824	5.078	ug/l	99
70) Styrene	10.640	104	28334	5.098	ug/l	97
71) Bromoform	10.787	173	7895	4.770	ug/l #	99
73) Isopropylbenzene	10.945	105	44193	5.134	ug/l	99
74) N-amyl acetate	10.829	43	21656	5.011	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.195	83	15227	5.017	ug/l	100
76) 1,2,3-Trichloropropane	11.226	75	13198m	5.220	ug/l	
77) Bromobenzene	11.183	156	11396	5.127	ug/l	99
78) n-propylbenzene	11.287	91	51649	5.103	ug/l	100
79) 2-Chlorotoluene	11.348	91	30839	5.043	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	35455	5.053	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	4463	4.469	ug/l #	80
82) 4-Chlorotoluene	11.439	91	36813	5.132	ug/l	99
83) tert-Butylbenzene	11.695	119	36264	4.997	ug/l	97
84) 1,2,4-Trimethylbenzene	11.732	105	35130	4.962	ug/l	100
85) sec-Butylbenzene	11.872	105	46046	5.133	ug/l	100
86) p-Isopropyltoluene	11.994	119	37206	4.934	ug/l	97
87) 1,3-Dichlorobenzene	11.951	146	21165	5.081	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	22051	5.247	ug/l	95
89) n-Butylbenzene	12.317	91	36025	5.092	ug/l	98
90) Hexachloroethane	12.518	117	7251	5.047	ug/l	97
91) 1,2-Dichlorobenzene	12.317	146	20105	5.028	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.927	75	3647	5.170	ug/l	90
93) 1,2,4-Trichlorobenzene	13.573	180	12241	4.606	ug/l	99
94) Hexachlorobutadiene	13.707	225	5537	4.984	ug/l	99
95) Naphthalene	13.756	128	39122	4.579	ug/l	98
96) 1,2,3-Trichlorobenzene	13.945	180	11538	4.668	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048517.D
Acq On : 07 Nov 2025 13:56
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:38:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 04:36:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048518.D
 Acq On : 07 Nov 2025 14:16
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Quant Time: Nov 08 04:39:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 04:36:23 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
 Supervised By :Semsettin Yesilyurt 11/10/2025

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	203076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	331319	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	232027	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	120318	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	58757	20.764	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	41.520%#		
35) Dibromofluoromethane	5.373	113	49531	19.752	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	39.500%#		
50) Toluene-d8	8.635	98	135275	17.297	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	34.600%#		
62) 4-Bromofluorobenzene	11.061	95	48386	16.601	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	33.200%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	28628	17.397	ug/l	98
3) Chloromethane	1.301	50	34522	15.817	ug/l	99
4) Vinyl Chloride	1.380	62	49358	19.974	ug/l	97
5) Bromomethane	1.618	94	33868	21.683	ug/l	98
6) Chloroethane	1.697	64	32257	19.932	ug/l	98
7) Trichlorofluoromethane	1.898	101	82782	21.175	ug/l	95
8) Diethyl Ether	2.136	74	30818	19.639	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.337	101	50073	22.124	ug/l	97
10) Methyl Iodide	2.459	142	66788	19.940	ug/l	100
11) Tert butyl alcohol	2.941	59	53988	100.687	ug/l	98
12) 1,1-Dichloroethene	2.325	96	48003	20.306	ug/l	95
13) Acrolein	2.239	56	6094m	79.282	ug/l	
14) Allyl chloride	2.666	41	86510	19.655	ug/l	97
15) Acrylonitrile	3.056	53	160471	102.519	ug/l	99
16) Acetone	2.374	43	129334	96.557	ug/l	97
17) Carbon Disulfide	2.514	76	130735	19.652	ug/l	99
18) Methyl Acetate	2.697	43	69637	18.918	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	166418	19.935	ug/l	100
20) Methylene Chloride	2.788	84	53829	19.547	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	49731	19.848	ug/l	98
22) Diisopropyl ether	3.751	45	170973	20.230	ug/l	98
23) Vinyl Acetate	3.715	43	746382	100.838	ug/l	98
24) 1,1-Dichloroethane	3.605	63	91293	19.686	ug/l	98
25) 2-Butanone	4.538	43	207425	104.681	ug/l	98
26) 2,2-Dichloropropane	4.471	77	79199	20.032	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	59896	19.557	ug/l	98
28) Bromochloromethane	4.885	49	43296	19.005	ug/l	99
29) Tetrahydrofuran	4.989	42	142200	100.757	ug/l	98
30) Chloroform	5.087	83	94424	19.723	ug/l	98
31) Cyclohexane	5.464	56	81570	21.467	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	83345	19.948	ug/l	98
36) 1,1-Dichloropropene	5.684	75	66129	19.694	ug/l	97
37) Ethyl Acetate	4.696	43	89614	18.959	ug/l	100
38) Carbon Tetrachloride	5.666	117	72325	18.922	ug/l	98
39) Methylcyclohexane	7.367	83	73943	19.612	ug/l	99
40) Benzene	6.025	78	194589	18.695	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048518.D
 Acq On : 07 Nov 2025 14:16
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/10/2025
 Supervised By : Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:39:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 04:36:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	41068	19.757	ug/l	97
42) 1,2-Dichloroethane	6.074	62	69540	19.499	ug/l	99
43) Isopropyl Acetate	6.324	43	126911	19.101	ug/l	99
44) Trichloroethene	7.117	130	47204	18.973	ug/l	99
45) 1,2-Dichloropropane	7.415	63	42265	17.660	ug/l	98
46) Dibromomethane	7.568	93	28753	16.472	ug/l	96
47) Bromodichloromethane	7.806	83	59084	16.967	ug/l	99
48) Methyl methacrylate	7.678	41	51074	17.292	ug/l	91
49) 1,4-Dioxane	7.641	88	14684	326.274	ug/l #	94
51) 4-Methyl-2-Pentanone	8.555	43	340555	90.045	ug/l	97
52) Toluene	8.702	92	94154	17.182	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	59921	16.700	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	63747	17.157	ug/l	93
55) 1,1,2-Trichloroethane	9.135	97	37862	17.293	ug/l	96
56) Ethyl methacrylate	9.098	69	62768	17.232	ug/l #	90
57) 1,3-Dichloropropane	9.293	76	65949	17.306	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.226	63	166309m	85.683	ug/l	
59) 2-Hexanone	9.415	43	258663	91.942	ug/l	96
60) Dibromochloromethane	9.506	129	46524	17.307	ug/l	97
61) 1,2-Dibromoethane	9.592	107	40837	17.221	ug/l	99
64) Tetrachloroethene	9.256	164	32666	19.383	ug/l	98
65) Chlorobenzene	10.061	112	106968	19.423	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.147	131	36079	19.552	ug/l	98
67) Ethyl Benzene	10.177	91	183401	19.832	ug/l	97
68) m/p-Xylenes	10.287	106	140701	40.397	ug/l	96
69) o-Xylene	10.628	106	66957	19.649	ug/l	98
70) Styrene	10.640	104	113854	19.917	ug/l	98
71) Bromoform	10.781	173	32046	18.824	ug/l #	98
73) Isopropylbenzene	10.945	105	177238	20.294	ug/l	98
74) N-amyl acetate	10.823	43	89078	20.313	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.195	83	59190	19.218	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	54573m	21.273	ug/l	
77) Bromobenzene	11.183	156	43931	19.480	ug/l	98
78) n-propylbenzene	11.287	91	210347	20.483	ug/l	98
79) 2-Chlorotoluene	11.348	91	123455	19.895	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	144509	20.297	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	19161	18.908	ug/l	90
82) 4-Chlorotoluene	11.439	91	143646	19.735	ug/l	99
83) tert-Butylbenzene	11.695	119	148245	20.131	ug/l	97
84) 1,2,4-Trimethylbenzene	11.732	105	143930	20.036	ug/l	100
85) sec-Butylbenzene	11.872	105	184842	20.309	ug/l	99
86) p-Isopropyltoluene	11.994	119	155276	20.293	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	81125	19.193	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	80643	18.910	ug/l	97
89) n-Butylbenzene	12.311	91	144697	20.158	ug/l	98
90) Hexachloroethane	12.518	117	28866	19.800	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	77511	19.103	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	14148	19.767	ug/l	95
93) 1,2,4-Trichlorobenzene	13.567	180	50883	18.871	ug/l	99
94) Hexachlorobutadiene	13.707	225	21648	19.206	ug/l	100
95) Naphthalene	13.756	128	169835	19.591	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	47818	19.066	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048518.D
Acq On : 07 Nov 2025 14:16
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:39:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 04:36:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048518.D
 Acq On : 07 Nov 2025 14:16
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

MSVOA_X

Client SampleId :

VSTDIC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/10/2025

Supervised By :Semsettin Yesilyurt 11/10/2025

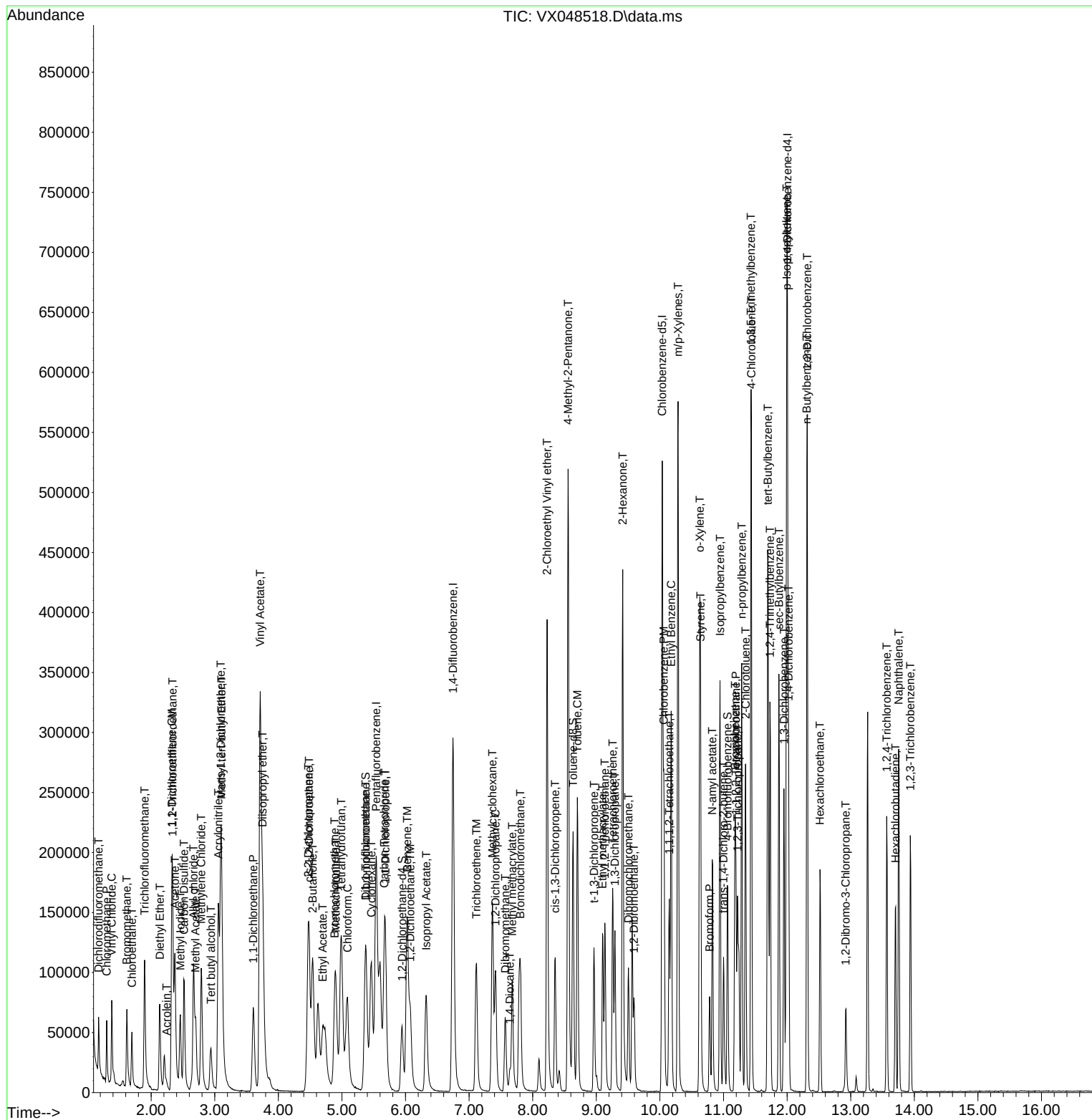
Quant Time: Nov 08 04:39:45 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M

Quant Title : SW846 8260

QLast Update : Sat Nov 08 04:36:23 2025

Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048520.D
 Acq On : 07 Nov 2025 14:58
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/10/2025
 Supervised By : Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:41:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 04:36:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	179485	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	297765	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	257038	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	132080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	243155	97.224	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 194.440%#			
35) Dibromofluoromethane	5.373	113	212256	94.182	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 188.360%#			
50) Toluene-d8	8.635	98	720420	102.495	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 204.980%#			
62) 4-Bromofluorobenzene	11.061	95	264846	101.109	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 202.220%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.173	85	162366	111.639	ug/l	99
3) Chloromethane	1.301	50	208707	108.195	ug/l	99
4) Vinyl Chloride	1.380	62	215712	98.767	ug/l	99
5) Bromomethane	1.605	94	115797m	83.881	ug/l	
6) Chloroethane	1.685	64	132914	92.926	ug/l	100
7) Trichlorofluoromethane	1.892	101	329740	95.432	ug/l	99
8) Diethyl Ether	2.136	74	134965	97.310	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	196084	98.026	ug/l	99
10) Methyl Iodide	2.453	142	300124	101.382	ug/l	99
11) Tert butyl alcohol	2.959	59	237309	500.751	ug/l	98
12) 1,1-Dichloroethene	2.325	96	199260	95.367	ug/l	96
13) Acrolein	2.239	56	31030	456.759	ug/l	97
14) Allyl chloride	2.666	41	362419	93.164	ug/l	99
15) Acrylonitrile	3.056	53	663857	479.859	ug/l	99
16) Acetone	2.374	43	568356	480.092	ug/l	99
17) Carbon Disulfide	2.514	76	527024	89.637	ug/l	100
18) Methyl Acetate	2.697	43	293788	90.303	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	712323	96.543	ug/l	99
20) Methylene Chloride	2.788	84	223836	91.966	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	209909	94.789	ug/l	98
22) Diisopropyl ether	3.751	45	709722	95.012	ug/l	97
23) Vinyl Acetate	3.715	43	3136295	479.414	ug/l	100
24) 1,1-Dichloroethane	3.605	63	388811	94.862	ug/l	99
25) 2-Butanone	4.538	43	843690	481.750	ug/l	99
26) 2,2-Dichloropropane	4.465	77	335236	95.939	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	252407	93.248	ug/l	98
28) Bromochloromethane	4.885	49	187288	93.016	ug/l	99
29) Tetrahydrofuran	4.989	42	575336	461.240	ug/l	99
30) Chloroform	5.086	83	396642	93.738	ug/l	99
31) Cyclohexane	5.458	56	321505	95.734	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	351320	95.136	ug/l	99
36) 1,1-Dichloropropene	5.678	75	269881	89.431	ug/l	99
37) Ethyl Acetate	4.696	43	386137	90.900	ug/l	99
38) Carbon Tetrachloride	5.666	117	309414	90.070	ug/l	99
39) Methylcyclohexane	7.367	83	334291	98.656	ug/l	96
40) Benzene	6.025	78	831305	88.867	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048520.D
 Acq On : 07 Nov 2025 14:58
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/10/2025
 Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:41:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 04:36:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	164274	87.935	ug/l	95
42) 1,2-Dichloroethane	6.068	62	291402	90.918	ug/l	99
43) Isopropyl Acetate	6.324	43	540612	90.535	ug/l	100
44) Trichloroethene	7.110	130	218005	97.499	ug/l	98
45) 1,2-Dichloropropane	7.415	63	209425	97.368	ug/l	100
46) Dibromomethane	7.568	93	156924	100.030	ug/l	98
47) Bromodichloromethane	7.805	83	321173	102.623	ug/l	97
48) Methyl methacrylate	7.677	41	266560	100.420	ug/l	100
49) 1,4-Dioxane	7.647	88	89615	2215.601	ug/l	97
51) 4-Methyl-2-Pentanone	8.561	43	1705402	501.730	ug/l	99
52) Toluene	8.702	92	517017	104.979	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	334066	103.593	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	354217	106.080	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	205483	104.430	ug/l	98
56) Ethyl methacrylate	9.104	69	353946	108.118	ug/l	98
57) 1,3-Dichloropropane	9.293	76	345885	100.991	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	972237	557.345	ug/l	100
59) 2-Hexanone	9.415	43	1278151	505.516	ug/l	100
60) Dibromochloromethane	9.506	129	255107	105.596	ug/l	98
61) 1,2-Dibromoethane	9.592	107	222500	104.402	ug/l	100
64) Tetrachloroethene	9.256	164	177093	94.858	ug/l	96
65) Chlorobenzene	10.061	112	571492	93.674	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	204743	100.159	ug/l	99
67) Ethyl Benzene	10.177	91	976399	95.307	ug/l	98
68) m/p-Xylenes	10.287	106	756955	196.183	ug/l	99
69) o-Xylene	10.628	106	367131	97.252	ug/l	100
70) Styrene	10.640	104	630372	99.544	ug/l	100
71) Bromoform	10.781	173	184392	97.773	ug/l	99
73) Isopropylbenzene	10.945	105	937990	97.838	ug/l	99
74) N-amyl acetate	10.829	43	459285	95.409	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	318823	94.300	ug/l	100
76) 1,2,3-Trichloropropane	11.219	75	298071m	105.844	ug/l	
77) Bromobenzene	11.183	156	240181	97.018	ug/l	99
78) n-propylbenzene	11.287	91	1082239	96.002	ug/l	99
79) 2-Chlorotoluene	11.348	91	658434	96.659	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	769561	98.464	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	117309	105.450	ug/l	98
82) 4-Chlorotoluene	11.439	91	770164	96.385	ug/l	100
83) tert-Butylbenzene	11.695	119	801942	99.204	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	779410	98.837	ug/l	99
85) sec-Butylbenzene	11.872	105	962376	96.323	ug/l	100
86) p-Isopropyltoluene	11.994	119	825080	98.227	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	443784	95.645	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	441447	94.299	ug/l	99
89) n-Butylbenzene	12.317	91	761466	96.635	ug/l	99
90) Hexachloroethane	12.518	117	157787	98.594	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	429792	96.491	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	78635	100.084	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	289894	97.941	ug/l	99
94) Hexachlorobutadiene	13.707	225	111275	89.932	ug/l	98
95) Naphthalene	13.756	128	985717	103.580	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	277082	100.642	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048520.D
Acq On : 07 Nov 2025 14:58
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:41:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 04:36:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

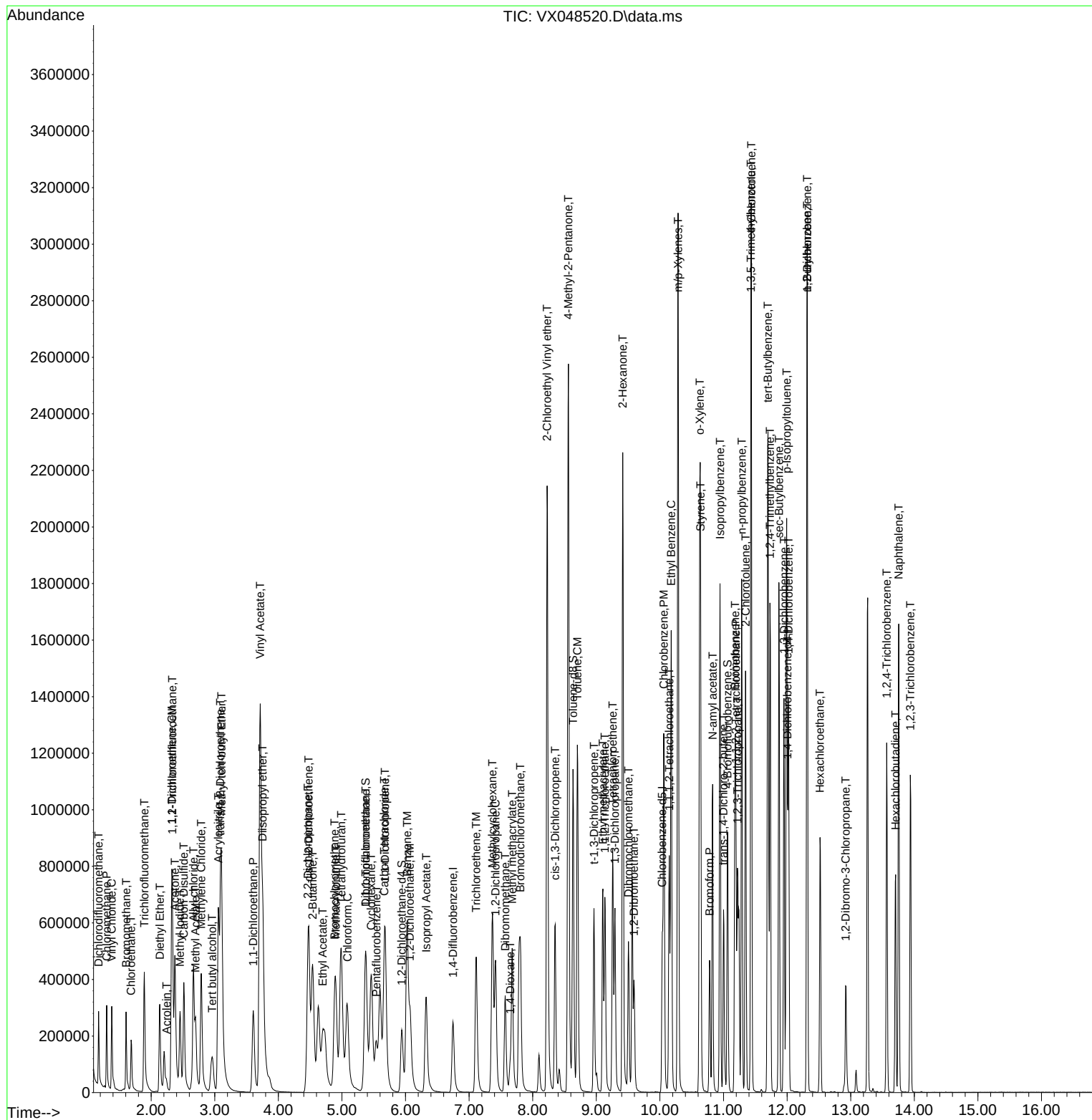
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048520.D
Acq On : 07 Nov 2025 14:58
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:41:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 04:36:23 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048521.D
 Acq On : 07 Nov 2025 15:18
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Nov 08 04:42:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 04:36:23 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
 Supervised By :Semsettin Yesilyurt 11/10/2025

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	178567	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	292795	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	246117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	131303	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	333785	134.148	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 268.300%#			
35) Dibromofluoromethane	5.373	113	287214	129.606	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 259.220%#			
50) Toluene-d8	8.635	98	990842	143.361	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 286.720%#			
62) 4-Bromofluorobenzene	11.067	95	371661	144.295	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 288.600%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.173	85	253735	175.359	ug/l	99
3) Chloromethane	1.301	50	302480	157.614	ug/l	99
4) Vinyl Chloride	1.380	62	320003	147.272	ug/l	99
5) Bromomethane	1.605	94	153950	112.091	ug/l	96
6) Chloroethane	1.685	64	191395	134.501	ug/l	99
7) Trichlorofluoromethane	1.892	101	503070	146.345	ug/l	100
8) Diethyl Ether	2.136	74	188944	136.929	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	298670	150.078	ug/l	98
10) Methyl Iodide	2.453	142	432790	146.948	ug/l	99
11) Tert butyl alcohol	2.977	59	340733	722.684	ug/l	98
12) 1,1-Dichloroethene	2.319	96	293656	141.269	ug/l	97
13) Acrolein	2.239	56	52843	781.843	ug/l	96
14) Allyl chloride	2.666	41	540073	139.545	ug/l	100
15) Acrylonitrile	3.056	53	953673	692.892	ug/l	99
16) Acetone	2.373	43	838719	712.110	ug/l	100
17) Carbon Disulfide	2.514	76	791417	135.297	ug/l	99
18) Methyl Acetate	2.697	43	440781	136.181	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	997177	135.845	ug/l	99
20) Methylene Chloride	2.788	84	318695	131.614	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	298171	135.338	ug/l	98
22) Diisopropyl ether	3.751	45	1038977	139.806	ug/l	97
23) Vinyl Acetate	3.715	43	4581534	703.934	ug/l	99
24) 1,1-Dichloroethane	3.605	63	557501	136.718	ug/l	99
25) 2-Butanone	4.544	43	1244508	714.272	ug/l	97
26) 2,2-Dichloropropane	4.471	77	495685	142.586	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	366206	135.984	ug/l	99
28) Bromochloromethane	4.891	49	266434	133.003	ug/l	100
29) Tetrahydrofuran	4.989	42	818751	659.757	ug/l	98
30) Chloroform	5.080	83	563304	133.810	ug/l	98
31) Cyclohexane	5.458	56	487596	145.937	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	507525	138.143	ug/l	99
36) 1,1-Dichloropropene	5.678	75	394330	132.888	ug/l	100
37) Ethyl Acetate	4.696	43	561632	134.458	ug/l	99
38) Carbon Tetrachloride	5.666	117	442446	130.982	ug/l	97
39) Methylcyclohexane	7.367	83	520380	156.182	ug/l	96
40) Benzene	6.025	78	1202907	130.774	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048521.D
 Acq On : 07 Nov 2025 15:18
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/10/2025
 Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:42:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 04:36:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	245609	133.706	ug/l	98
42) 1,2-Dichloroethane	6.074	62	415612	131.873	ug/l	99
43) Isopropyl Acetate	6.324	43	802693	136.707	ug/l	100
44) Trichloroethene	7.110	130	318538	144.879	ug/l	97
45) 1,2-Dichloropropane	7.415	63	298821	141.289	ug/l	98
46) Dibromomethane	7.568	93	220703	143.074	ug/l	99
47) Bromodichloromethane	7.805	83	447995	145.576	ug/l	100
48) Methyl methacrylate	7.677	41	382424	146.515	ug/l	99
49) 1,4-Dioxane	7.653	88	128773	3237.768	ug/l	98
51) 4-Methyl-2-Pentanone	8.561	43	2398543	717.630	ug/l	100
52) Toluene	8.702	92	740196	152.846	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	475896	150.079	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	507432	154.544	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	288895	149.313	ug/l	97
56) Ethyl methacrylate	9.104	69	503008	156.260	ug/l	99
57) 1,3-Dichloropropane	9.293	76	484188	143.772	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.232	63	1366958	796.924	ug/l	100
59) 2-Hexanone	9.415	43	1828924	735.629	ug/l	100
60) Dibromochloromethane	9.506	129	354928	149.408	ug/l	99
61) 1,2-Dibromoethane	9.598	107	314737	150.188	ug/l	100
64) Tetrachloroethene	9.256	164	256641	143.566	ug/l	99
65) Chlorobenzene	10.061	112	815516	139.603	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.146	131	288555	147.422	ug/l	100
67) Ethyl Benzene	10.177	91	1401386	142.860	ug/l	98
68) m/p-Xylenes	10.287	106	1082548	293.018	ug/l	99
69) o-Xylene	10.628	106	536318	148.373	ug/l	100
70) Styrene	10.640	104	918795	151.528	ug/l	100
71) Bromoform	10.781	173	275305	152.457	ug/l	99
73) Isopropylbenzene	10.945	105	1375604	144.333	ug/l	99
74) N-amyl acetate	10.829	43	680374	142.173	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	466659	138.843	ug/l	100
76) 1,2,3-Trichloropropane	11.219	75	437992m	156.450	ug/l	
77) Bromobenzene	11.183	156	345419	140.354	ug/l	98
78) n-propylbenzene	11.287	91	1604351	143.159	ug/l	100
79) 2-Chlorotoluene	11.348	91	938129	138.534	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	1124584	144.740	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	178669	161.557	ug/l	99
82) 4-Chlorotoluene	11.439	91	1119611	140.947	ug/l	99
83) tert-Butylbenzene	11.695	119	1185835	147.561	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	1136998	145.036	ug/l	98
85) sec-Butylbenzene	11.872	105	1454720	146.463	ug/l	100
86) p-Isopropyltoluene	11.994	119	1244220	149.002	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	657153	142.468	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	658598	141.517	ug/l	100
89) n-Butylbenzene	12.317	91	1170811	149.462	ug/l	99
90) Hexachloroethane	12.518	117	234767	147.563	ug/l	97
91) 1,2-Dichlorobenzene	12.317	146	636660	143.779	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	112194	143.641	ug/l	95
93) 1,2,4-Trichlorobenzene	13.567	180	439995	149.532	ug/l	99
94) Hexachlorobutadiene	13.707	225	179249	145.725	ug/l	98
95) Naphthalene	13.756	128	1450179	153.288	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	414012	151.267	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048521.D
Acq On : 07 Nov 2025 15:18
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:42:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 04:36:23 2025
Response via : Initial Calibration

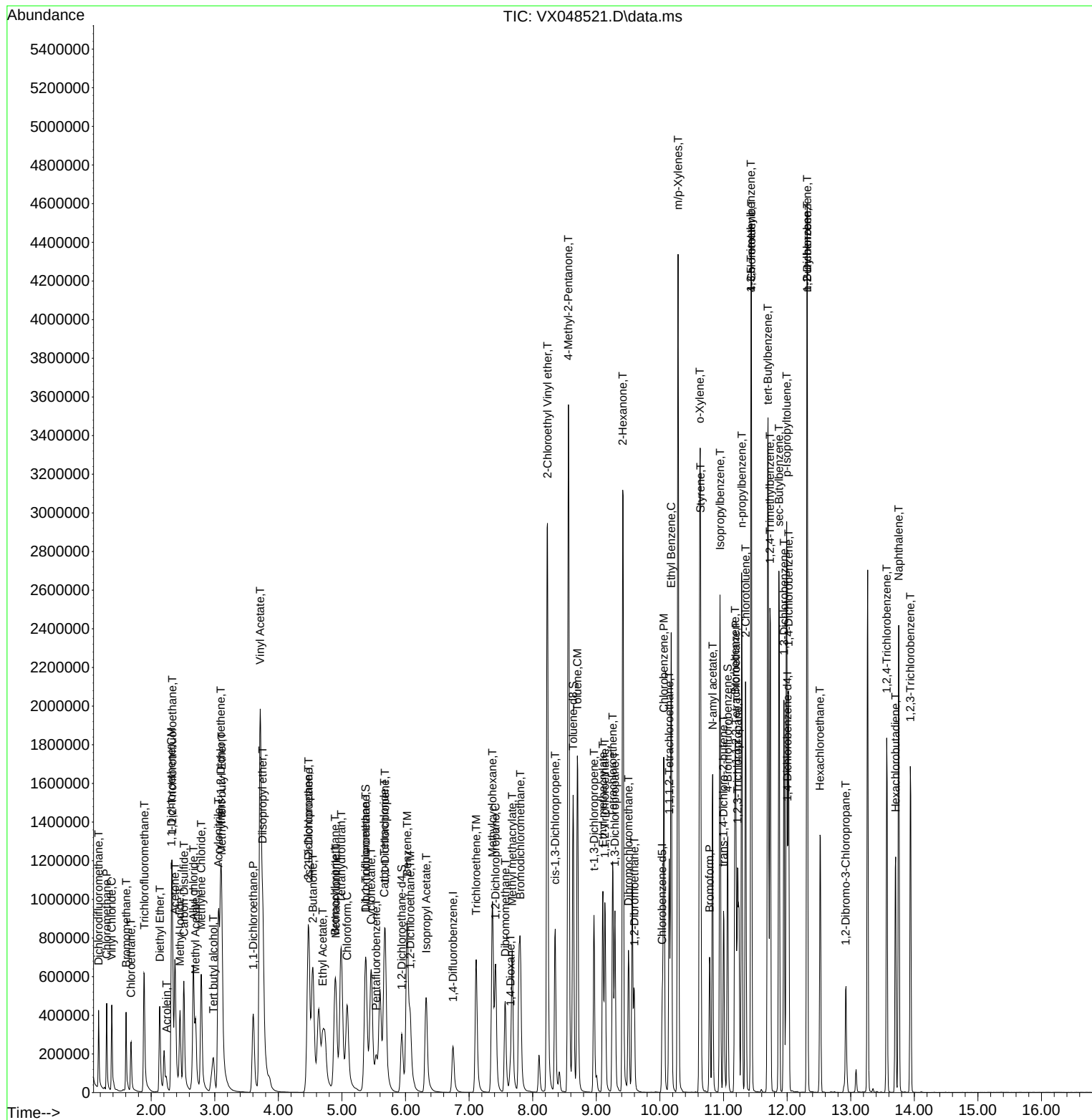
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048524.D
 Acq On : 07 Nov 2025 16:29
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/10/2025
 Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:43:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 04:36:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	180041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	307413	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	271611	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	137081	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	123374	49.178	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.360%		
35) Dibromofluoromethane	5.373	113	107888	46.370	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.740%		
50) Toluene-d8	8.635	98	369557	50.927	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.860%		
62) 4-Bromofluorobenzene	11.061	95	136244	50.381	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.760%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	76351	52.335	ug/l	100
3) Chloromethane	1.301	50	106667	55.126	ug/l	100
4) Vinyl Chloride	1.380	62	107960	49.279	ug/l	100
5) Bromomethane	1.612	94	76656	55.356	ug/l	100
6) Chloroethane	1.691	64	68875	48.005	ug/l	100
7) Trichlorofluoromethane	1.892	101	159505	46.021	ug/l	100
8) Diethyl Ether	2.136	74	70765	50.864	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	92738	46.218	ug/l	100
10) Methyl Iodide	2.453	142	148356	49.960	ug/l	100
11) Tert butyl alcohol	2.941	59	124670	262.256	ug/l	100
12) 1,1-Dichloroethene	2.325	96	98074	46.794	ug/l	100
13) Acrolein	2.240	56	18158	266.459	ug/l	100
14) Allyl chloride	2.666	41	188637	48.341	ug/l	100
15) Acrylonitrile	3.056	53	363119	261.664	ug/l	100
16) Acetone	2.374	43	296864	249.987	ug/l	100
17) Carbon Disulfide	2.514	76	268053	45.450	ug/l	100
18) Methyl Acetate	2.697	43	156429	47.934	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	381141	51.497	ug/l	100
20) Methylene Chloride	2.788	84	117536	48.142	ug/l	100
21) trans-1,2-Dichloroethene	3.093	96	107632	48.453	ug/l	100
22) Diisopropyl ether	3.751	45	371667	49.602	ug/l	100
23) Vinyl Acetate	3.715	43	1644477	250.599	ug/l	100
24) 1,1-Dichloroethane	3.605	63	198326	48.238	ug/l	100
25) 2-Butanone	4.538	43	455146	259.087	ug/l	100
26) 2,2-Dichloropropane	4.465	77	159000	45.363	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	130445	48.042	ug/l	100
28) Bromochloromethane	4.885	49	97819	48.431	ug/l	100
29) Tetrahydrofuran	4.989	42	313988	250.943	ug/l	100
30) Chloroform	5.087	83	201702	47.521	ug/l	100
31) Cyclohexane	5.458	56	156130	46.347	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	175119	47.275	ug/l	100
36) 1,1-Dichloropropene	5.678	75	131207	42.114	ug/l	100
37) Ethyl Acetate	4.696	43	205009	46.746	ug/l	100
38) Carbon Tetrachloride	5.666	117	149370	42.117	ug/l	100
39) Methylcyclohexane	7.367	83	156904	44.852	ug/l	100
40) Benzene	6.025	78	432976	44.833	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048524.D
 Acq On : 07 Nov 2025 16:29
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/10/2025
 Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:43:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 04:36:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	90811	47.085	ug/l	100
42) 1,2-Dichloroethane	6.074	62	147877	44.690	ug/l	100
43) Isopropyl Acetate	6.324	43	285622	46.331	ug/l	100
44) Trichloroethene	7.111	130	109058	47.244	ug/l	100
45) 1,2-Dichloropropane	7.415	63	110204	49.629	ug/l	100
46) Dibromomethane	7.568	93	82377	50.863	ug/l	100
47) Bromodichloromethane	7.806	83	167028	51.695	ug/l	100
48) Methyl methacrylate	7.678	41	142167	51.877	ug/l	100
49) 1,4-Dioxane	7.647	88	45365	1086.384	ug/l	100
51) 4-Methyl-2-Pentanone	8.555	43	952270	271.365	ug/l	100
52) Toluene	8.702	92	269581	53.020	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	175854	52.820	ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	186249	54.027	ug/l	100
55) 1,1,2-Trichloroethane	9.135	97	110910	54.597	ug/l	100
56) Ethyl methacrylate	9.098	69	190086	56.242	ug/l	100
57) 1,3-Dichloropropane	9.293	76	190119	53.768	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	544454	302.318	ug/l	100
59) 2-Hexanone	9.415	43	713506	273.339	ug/l	100
60) Dibromochloromethane	9.507	129	134082	53.758	ug/l	100
61) 1,2-Dibromoethane	9.592	107	117046	53.197	ug/l	100
64) Tetrachloroethene	9.257	164	88926	45.076	ug/l	100
65) Chlorobenzene	10.061	112	299156	46.404	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.147	131	106481	49.295	ug/l	100
67) Ethyl Benzene	10.177	91	512428	47.335	ug/l	100
68) m/p-Xylenes	10.287	106	391085	95.921	ug/l	100
69) o-Xylene	10.622	106	190935	47.864	ug/l	100
70) Styrene	10.634	104	328665	49.116	ug/l	100
71) Bromoform	10.781	173	94463	47.401	ug/l	100
73) Isopropylbenzene	10.945	105	475097	47.748	ug/l	100
74) N-amyl acetate	10.823	43	245758	49.190	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	168512	48.023	ug/l	100
76) 1,2,3-Trichloropropane	11.220	75	138398m	47.352	ug/l	
77) Bromobenzene	11.177	156	124641	48.510	ug/l	100
78) n-propylbenzene	11.287	91	551985	47.178	ug/l	100
79) 2-Chlorotoluene	11.348	91	334083	47.255	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	386446	47.641	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	59424	51.468	ug/l	100
82) 4-Chlorotoluene	11.433	91	392809	47.366	ug/l	100
83) tert-Butylbenzene	11.695	119	403731	48.121	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	397157	48.526	ug/l	100
85) sec-Butylbenzene	11.872	105	479253	46.218	ug/l	100
86) p-Isopropyltoluene	11.988	119	409592	46.983	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	225309	46.787	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	230056	47.350	ug/l	100
89) n-Butylbenzene	12.311	91	372536	45.552	ug/l	100
90) Hexachloroethane	12.518	117	75599	45.515	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	222592	48.150	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.921	75	40699	49.910	ug/l	100
93) 1,2,4-Trichlorobenzene	13.567	180	146070	47.549	ug/l	100
94) Hexachlorobutadiene	13.707	225	55716	43.386	ug/l	100
95) Naphthalene	13.756	128	507140	51.347	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	139324	48.759	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048524.D
Acq On : 07 Nov 2025 16:29
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:43:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 04:36:23 2025
Response via : Initial Calibration

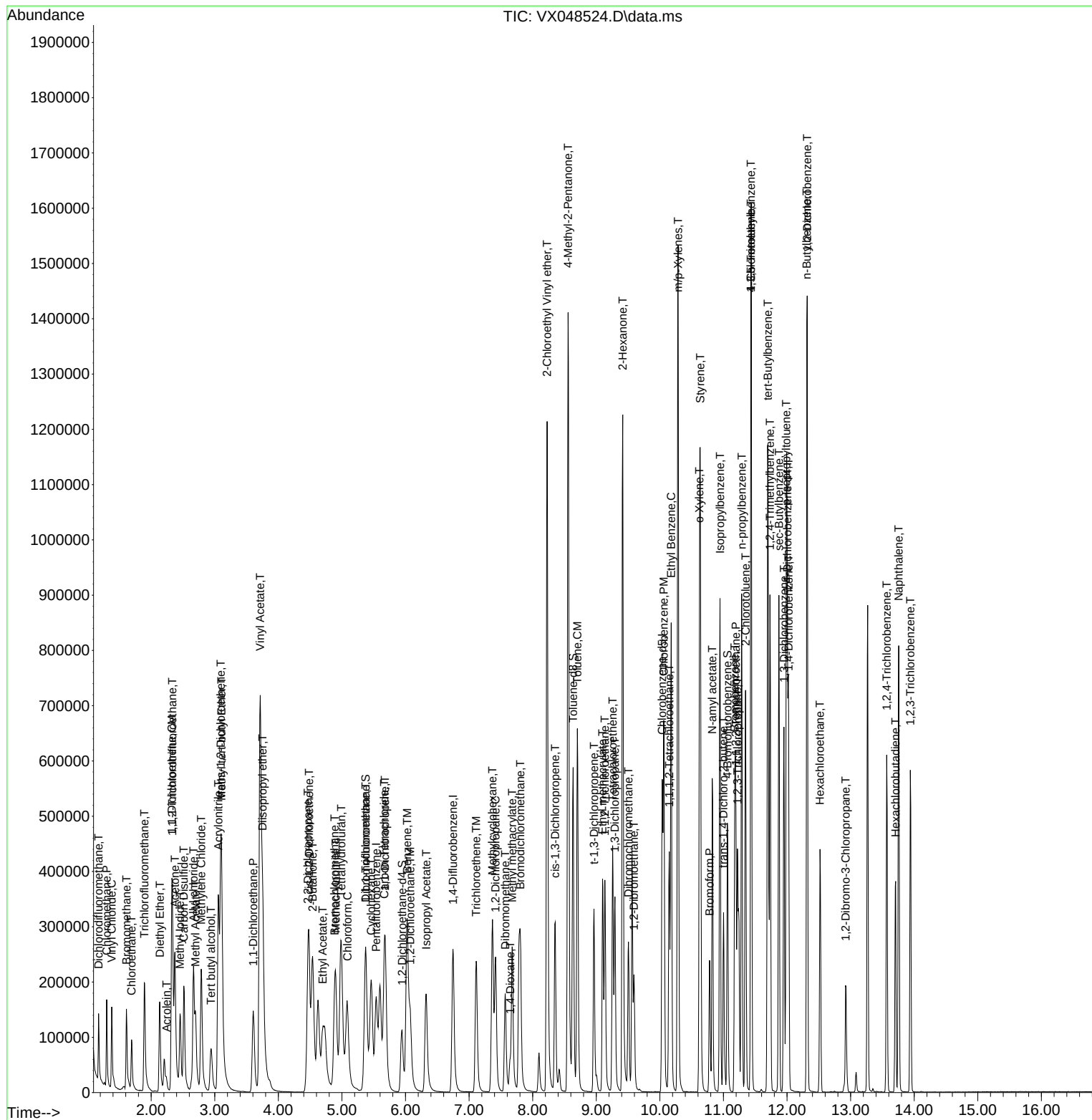
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048525.D
 Acq On : 07 Nov 2025 16:50
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX110725

Quant Time: Nov 08 05:04:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:01:56 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/10/2025
 Supervised By : Semsettin Yesilyurt 11/10/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	175429	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	300694	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	261891	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	133606	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	125725	51.433	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.860%			
35) Dibromofluoromethane	5.373	113	104074	45.730	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.460%			
50) Toluene-d8	8.635	98	360437	50.780	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.560%			
62) 4-Bromofluorobenzene	11.061	95	134490	50.843	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.680%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	79523	55.942	ug/l	99
3) Chloromethane	1.301	50	100103	53.094	ug/l	100
4) Vinyl Chloride	1.380	62	105708	49.519	ug/l	96
5) Bromomethane	1.611	94	74133	54.997	ug/l	97
6) Chloroethane	1.691	64	66991	47.919	ug/l	100
7) Trichlorofluoromethane	1.892	101	163901	48.532	ug/l	98
8) Diethyl Ether	2.136	74	68302	50.384	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	97010	49.618	ug/l	99
10) Methyl Iodide	2.453	142	148327	51.263	ug/l	99
11) Tert butyl alcohol	2.941	59	119049	257.016	ug/l	98
12) 1,1-Dichloroethene	2.325	96	96593	47.299	ug/l	95
13) Acrolein	2.239	56	17055	254.482	ug/l	98
14) Allyl chloride	2.666	41	180497	47.471	ug/l	99
15) Acrylonitrile	3.056	53	339497	251.074	ug/l	99
16) Acetone	2.374	43	289425	250.130	ug/l	98
17) Carbon Disulfide	2.514	76	263284	45.815	ug/l	100
18) Methyl Acetate	2.697	43	151597	47.674	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	366166	50.775	ug/l	100
20) Methylene Chloride	2.788	84	112574	47.322	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	104272	48.175	ug/l	97
22) Diisopropyl ether	3.751	45	365126	50.011	ug/l	98
23) Vinyl Acetate	3.715	43	1623158	253.844	ug/l	99
24) 1,1-Dichloroethane	3.605	63	193671	48.344	ug/l	99
25) 2-Butanone	4.538	43	453513	264.945	ug/l	97
26) 2,2-Dichloropropane	4.465	77	162290	47.519	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	129253	48.854	ug/l	98
28) Bromochloromethane	4.885	49	97361	49.472	ug/l	98
29) Tetrahydrofuran	4.989	42	307563	251.928	ug/l	99
30) Chloroform	5.080	83	203402	49.181	ug/l	99
31) Cyclohexane	5.464	56	166346	50.678	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	177144	49.079	ug/l	100
36) 1,1-Dichloropropene	5.678	75	136129	44.670	ug/l	98
37) Ethyl Acetate	4.696	43	206366	48.107	ug/l	98
38) Carbon Tetrachloride	5.666	117	153372	44.212	ug/l	97
39) Methylcyclohexane	7.367	83	168487	49.240	ug/l	98
40) Benzene	6.025	78	428574	45.369	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048525.D
 Acq On : 07 Nov 2025 16:50
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX110725

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/10/2025
 Supervised By : Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 05:04:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:01:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	96023	50.900	ug/l	95
42) 1,2-Dichloroethane	6.074	62	149489	46.187	ug/l	99
43) Isopropyl Acetate	6.324	43	292708	48.542	ug/l	99
44) Trichloroethene	7.111	130	108399	48.007	ug/l	95
45) 1,2-Dichloropropane	7.415	63	109605	50.462	ug/l	97
46) Dibromomethane	7.568	93	81296	51.317	ug/l	97
47) Bromodichloromethane	7.806	83	164733	52.124	ug/l	99
48) Methyl methacrylate	7.677	41	141804	52.901	ug/l	99
49) 1,4-Dioxane	7.647	88	43542	1066.027	ug/l	97
51) 4-Methyl-2-Pentanone	8.555	43	943143	274.770	ug/l	99
52) Toluene	8.702	92	263658	53.014	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	172732	53.042	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	183768	54.498	ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	109093	54.903	ug/l	98
56) Ethyl methacrylate	9.098	69	186912	56.539	ug/l	98
57) 1,3-Dichloropropane	9.293	76	182103	52.652	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	533039	299.907	ug/l	100
59) 2-Hexanone	9.415	43	708416	277.453	ug/l	99
60) Dibromochloromethane	9.506	129	130424	53.460	ug/l	100
61) 1,2-Dibromoethane	9.592	107	115352	53.598	ug/l	99
64) Tetrachloroethene	9.256	164	91541	48.124	ug/l	96
65) Chlorobenzene	10.061	112	292507	47.057	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	103725	49.801	ug/l	99
67) Ethyl Benzene	10.177	91	505794	48.456	ug/l	97
68) m/p-Xylenes	10.287	106	391090	99.482	ug/l	98
69) o-Xylene	10.622	106	190122	49.430	ug/l	98
70) Styrene	10.640	104	318495	49.362	ug/l	99
71) Bromoform	10.781	173	92512	48.145	ug/l #	100
73) Isopropylbenzene	10.945	105	479112	49.403	ug/l	99
74) N-amyl acetate	10.823	43	244571	50.225	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.195	83	167085	48.855	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	133852m	41.585	ug/l	
77) Bromobenzene	11.183	156	120400	48.079	ug/l	98
78) n-propylbenzene	11.287	91	560609	49.162	ug/l	100
79) 2-Chlorotoluene	11.348	91	336034	48.767	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	396355	50.134	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	57267	50.890	ug/l	96
82) 4-Chlorotoluene	11.433	91	396344	49.035	ug/l	100
83) tert-Butylbenzene	11.695	119	406392	49.698	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	399935	50.137	ug/l	99
85) sec-Butylbenzene	11.872	105	498225	49.297	ug/l	99
86) p-Isopropyltoluene	11.988	119	419888	49.417	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	223034	47.519	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	225606	46.536	ug/l	99
89) n-Butylbenzene	12.311	91	390447	48.984	ug/l	100
90) Hexachloroethane	12.518	117	78393	48.425	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	216201	47.984	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.920	75	40188	50.566	ug/l	99
93) 1,2,4-Trichlorobenzene	13.567	180	148227	49.507	ug/l	99
94) Hexachlorobutadiene	13.707	225	58865	47.031	ug/l	99
95) Naphthalene	13.756	128	506116	52.576	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	140560	50.471	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048525.D
Acq On : 07 Nov 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110725

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 05:04:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:01:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048525.D
 Acq On : 07 Nov 2025 16:50
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :

MSVOA_X

Client Sample Id :

ICVVX110725

Manual Integrations

APPROVED

Reviewed By : John Carlone 11/10/2025

Supervised By : Semsettin Yesilyurt 11/10/2025

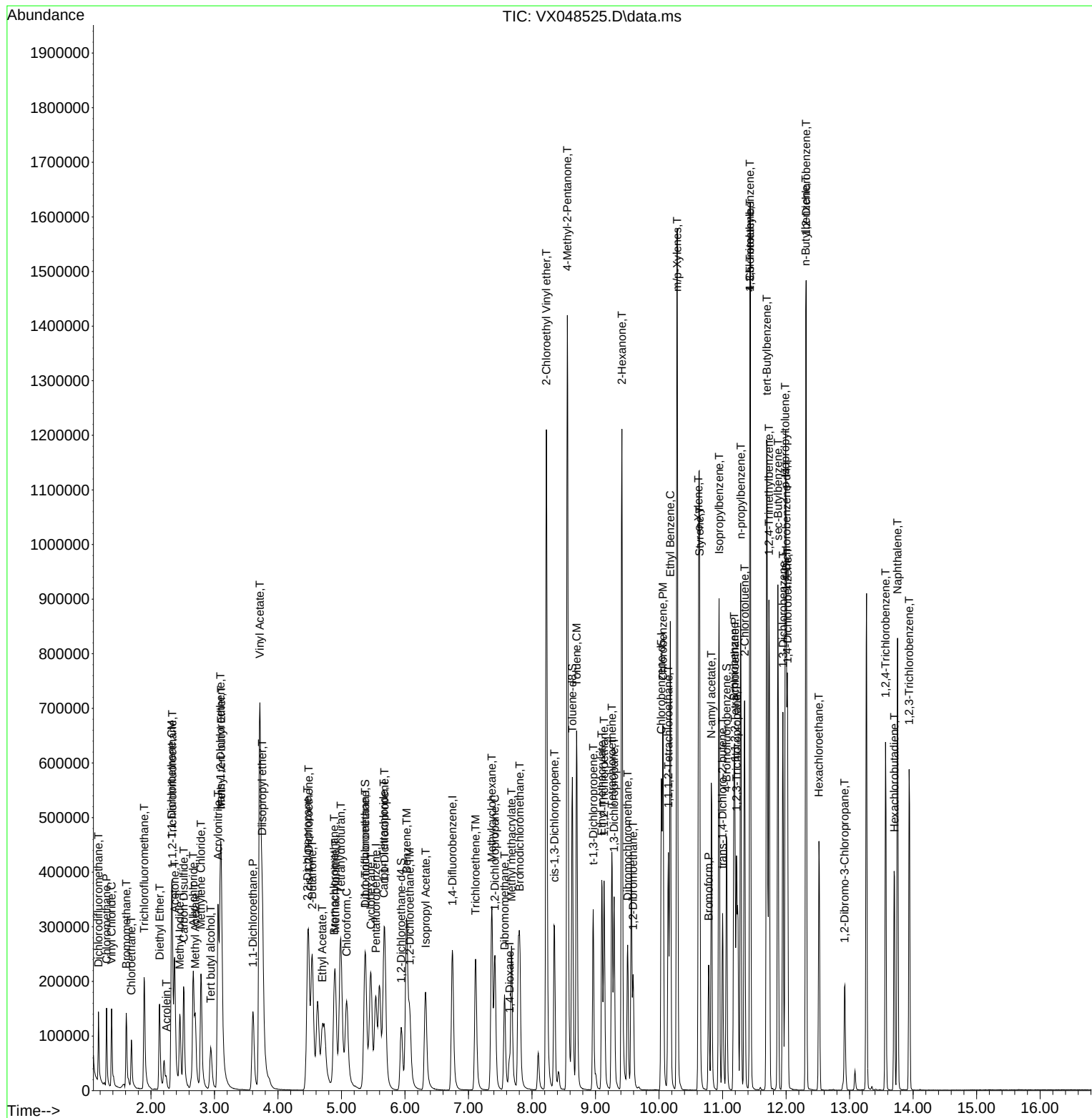
Quant Time: Nov 08 05:04:12 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M

Quant Title : SW846 8260

QLast Update : Sat Nov 08 05:01:56 2025

Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048525.D
 Acq On : 07 Nov 2025 16:50
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVVX110725

Quant Time: Nov 08 05:04:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:01:56 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	97	0.00
2 T	Dichlorodifluoromethane	0.405	0.453	-11.9	104	0.00
3 P	Chloromethane	0.537	0.571	-6.3	94	0.00
4 C	Vinyl Chloride	0.608	0.603	0.8#	98	0.00
5 T	Bromomethane	0.384	0.423	-10.2	97	0.00
6 T	Chloroethane	0.398	0.382	4.0	97	0.00
7 T	Trichlorofluoromethane	0.963	0.934	3.0	103	0.00
8 T	Diethyl Ether	0.386	0.389	-0.8	97	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.557	0.553	0.7	105	0.00
10 T	Methyl Iodide	0.825	0.846	-2.5	100	0.00
11 T	Tert butyl alcohol	0.132	0.136	-3.0	95	0.00
12 CM	1,1-Dichloroethene	0.582	0.551	5.3#	98	0.00
13 T	Acrolein	0.019	0.019	0.0	94	0.00
14 T	Allyl chloride	1.084	1.029	5.1	96	0.00
15 T	Acrylonitrile	0.385	0.387	-0.5	93	0.00
16 T	Acetone	0.330	0.330	0.0	97	0.00
17 T	Carbon Disulfide	1.638	1.501	8.4	98	0.00
18 T	Methyl Acetate	0.906	0.864	4.6	97	0.00
19 T	Methyl tert-butyl Ether	2.055	2.087	-1.6	96	0.00
20 T	Methylene Chloride	0.678	0.642	5.3	96	0.00
21 T	trans-1,2-Dichloroethene	0.617	0.594	3.7	97	0.00
22 T	Diisopropyl ether	2.081	2.081	0.0	98	0.00
23 T	Vinyl Acetate	1.822	1.851	-1.6	99	0.00
24 P	1,1-Dichloroethane	1.142	1.104	3.3	98	0.00
25 T	2-Butanone	0.488	0.517	-5.9	100	0.00
26 T	2,2-Dichloropropane	0.973	0.925	4.9	102	0.00
27 T	cis-1,2-Dichloroethene	0.754	0.737	2.3	99	0.00
28 T	Bromochloromethane	0.561	0.555	1.1	100	0.00
29 T	Tetrahydrofuran	0.348	0.351	-0.9	98	0.00
30 C	Chloroform	1.179	1.159	1.7#	101	0.00
31 T	Cyclohexane	0.936	0.948	-1.3	107	0.00
32 T	1,1,1-Trichloroethane	1.029	1.010	1.8	101	0.00
33 S	1,2-Dichloroethane-d4	0.697	0.717	-2.9	102	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
35 S	Dibromofluoromethane	0.378	0.346	8.5	96	0.00
36 T	1,1-Dichloropropene	0.507	0.453	10.7	104	0.00
37 T	Ethyl Acetate	0.713	0.686	3.8	101	0.00
38 T	Carbon Tetrachloride	0.577	0.510	11.6	103	0.00
39 T	Methylcyclohexane	0.569	0.560	1.6	107	0.00
40 TM	Benzene	1.571	1.425	9.3	99	0.00
41 T	Methacrylonitrile	0.314	0.319	-1.6	106	0.00
42 TM	1,2-Dichloroethane	0.538	0.497	7.6	101	0.00
43 T	Isopropyl Acetate	1.003	0.973	3.0	102	0.00
44 TM	Trichloroethene	0.375	0.360	4.0	99	0.00
45 C	1,2-Dichloropropane	0.361	0.365	-1.1#	99	0.00
46 T	Dibromomethane	0.263	0.270	-2.7	99	0.00
47 T	Bromodichloromethane	0.526	0.548	-4.2	99	0.00
48 T	Methyl methacrylate	0.446	0.472	-5.8	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048525.D
 Acq On : 07 Nov 2025 16:50
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVVX110725

Quant Time: Nov 08 05:04:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:01:56 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	0.007	0.007	0.0	96	0.00
50 S	Toluene-d8	1.180	1.199	-1.6	98	0.00
51 T	4-Methyl-2-Pentanone	0.571	0.627	-9.8	99	0.00
52 CM	Toluene	0.827	0.877	-6.0#	98	0.00
53 T	t-1,3-Dichloropropene	0.541	0.574	-6.1	98	0.00
54 T	cis-1,3-Dichloropropene	0.561	0.611	-8.9	99	0.00
55 T	1,1,2-Trichloroethane	0.330	0.363	-10.0	98	0.00
56 T	Ethyl methacrylate	0.550	0.622	-13.1	98	0.00
57 T	1,3-Dichloropropane	0.575	0.606	-5.4	96	0.00
58 T	2-Chloroethyl Vinyl ether	0.296	0.355	-19.9	98	0.00
59 T	2-Hexanone	0.425	0.471	-10.8	99	0.00
60 T	Dibromochloromethane	0.406	0.434	-6.9	97	0.00
61 T	1,2-Dibromoethane	0.358	0.384	-7.3	99	0.00
62 S	4-Bromofluorobenzene	0.440	0.447	-1.6	99	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
64 T	Tetrachloroethene	0.363	0.350	3.6	103	0.00
65 PM	Chlorobenzene	1.187	1.117	5.9	98	0.00
66 T	1,1,1,2-Tetrachloroethane	0.398	0.396	0.5	97	0.00
67 C	Ethyl Benzene	1.993	1.931	3.1#	99	0.00
68 T	m/p-Xylenes	0.751	0.747	0.5	100	0.00
69 T	o-Xylene	0.734	0.726	1.1	100	0.00
70 T	Styrene	1.232	1.216	1.3	97	0.00
71 P	Bromoform	0.367	0.353	3.8	98	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
73 T	Isopropylbenzene	3.629	3.586	1.2	101	0.00
74 T	N-amyl acetate	1.822	1.831	-0.5	100	0.00
75 P	1,1,2,2-Tetrachloroethane	1.280	1.251	2.3	99	0.00
76 T	1,2,3-Trichloropropane	1.205	1.002	16.8	66	0.00
77 T	Bromobenzene	0.937	0.901	3.8	97	0.00
78 T	n-propylbenzene	4.268	4.196	1.7	102	0.00
79 T	2-Chlorotoluene	2.579	2.515	2.5	101	0.00
80 T	1,3,5-Trimethylbenzene	2.959	2.967	-0.3	103	0.00
81 T	trans-1,4-Dichloro-2-butene	0.421	0.429	-1.9	96	0.00
82 T	4-Chlorotoluene	3.025	2.967	1.9	101	0.00
83 T	tert-Butylbenzene	3.060	3.042	0.6	101	0.00
84 T	1,2,4-Trimethylbenzene	2.985	2.993	-0.3	101	0.00
85 T	sec-Butylbenzene	3.782	3.729	1.4	104	0.00
86 T	p-Isopropyltoluene	3.180	3.143	1.2	103	0.00
87 T	1,3-Dichlorobenzene	1.756	1.669	5.0	99	0.00
88 T	1,4-Dichlorobenzene	1.814	1.689	6.9	98	0.00
89 T	n-Butylbenzene	2.983	2.922	2.0	105	0.00
90 T	Hexachloroethane	0.606	0.587	3.1	104	0.00
91 T	1,2-Dichlorobenzene	1.686	1.618	4.0	97	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.297	0.301	-1.3	99	0.00
93 T	1,2,4-Trichlorobenzene	1.120	1.109	1.0	101	0.00
94 T	Hexachlorobutadiene	0.468	0.441	5.8	106	0.00
95 T	Naphthalene	3.603	3.788	-5.1	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048525.D
Acq On : 07 Nov 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110725

Quant Time: Nov 08 05:04:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:01:56 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	1.042	1.052	-1.0	101	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048525.D
 Acq On : 07 Nov 2025 16:50
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVVX110725

Quant Time: Nov 08 05:04:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:01:56 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	97	0.00
2 T	Dichlorodifluoromethane	50.000	55.942	-11.9	104	0.00
3 P	Chloromethane	50.000	53.094	-6.2	94	0.00
4 C	Vinyl Chloride	50.000	49.519	1.0#	98	0.00
5 T	Bromomethane	50.000	54.997	-10.0	97	0.00
6 T	Chloroethane	50.000	47.919	4.2	97	0.00
7 T	Trichlorofluoromethane	50.000	48.532	2.9	103	0.00
8 T	Diethyl Ether	50.000	50.384	-0.8	97	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	49.618	0.8	105	0.00
10 T	Methyl Iodide	50.000	51.263	-2.5	100	0.00
11 T	Tert butyl alcohol	250.000	257.016	-2.8	95	0.00
12 CM	1,1-Dichloroethene	50.000	47.299	5.4#	98	0.00
13 T	Acrolein	250.000	254.482	-1.8	94	0.00
14 T	Allyl chloride	50.000	47.471	5.1	96	0.00
15 T	Acrylonitrile	250.000	251.074	-0.4	93	0.00
16 T	Acetone	250.000	250.130	-0.1	97	0.00
17 T	Carbon Disulfide	50.000	45.815	8.4	98	0.00
18 T	Methyl Acetate	50.000	47.674	4.7	97	0.00
19 T	Methyl tert-butyl Ether	50.000	50.775	-1.5	96	0.00
20 T	Methylene Chloride	50.000	47.322	5.4	96	0.00
21 T	trans-1,2-Dichloroethene	50.000	48.175	3.7	97	0.00
22 T	Diisopropyl ether	50.000	50.011	-0.0	98	0.00
23 T	Vinyl Acetate	250.000	253.844	-1.5	99	0.00
24 P	1,1-Dichloroethane	50.000	48.344	3.3	98	0.00
25 T	2-Butanone	250.000	264.945	-6.0	100	0.00
26 T	2,2-Dichloropropane	50.000	47.519	5.0	102	0.00
27 T	cis-1,2-Dichloroethene	50.000	48.854	2.3	99	0.00
28 T	Bromochloromethane	50.000	49.472	1.1	100	0.00
29 T	Tetrahydrofuran	250.000	251.928	-0.8	98	0.00
30 C	Chloroform	50.000	49.181	1.6#	101	0.00
31 T	Cyclohexane	50.000	50.678	-1.4	107	0.00
32 T	1,1,1-Trichloroethane	50.000	49.079	1.8	101	0.00
33 S	1,2-Dichloroethane-d4	50.000	51.433	-2.9	102	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
35 S	Dibromofluoromethane	50.000	45.730	8.5	96	0.00
36 T	1,1-Dichloropropene	50.000	44.670	10.7	104	0.00
37 T	Ethyl Acetate	50.000	48.107	3.8	101	0.00
38 T	Carbon Tetrachloride	50.000	44.212	11.6	103	0.00
39 T	Methylcyclohexane	50.000	49.240	1.5	107	0.00
40 TM	Benzene	50.000	45.369	9.3	99	0.00
41 T	Methacrylonitrile	50.000	50.900	-1.8	106	0.00
42 TM	1,2-Dichloroethane	50.000	46.187	7.6	101	0.00
43 T	Isopropyl Acetate	50.000	48.542	2.9	102	0.00
44 TM	Trichloroethene	50.000	48.007	4.0	99	0.00
45 C	1,2-Dichloropropane	50.000	50.462	-0.9#	99	0.00
46 T	Dibromomethane	50.000	51.317	-2.6	99	0.00
47 T	Bromodichloromethane	50.000	52.124	-4.2	99	0.00
48 T	Methyl methacrylate	50.000	52.901	-5.8	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048525.D
 Acq On : 07 Nov 2025 16:50
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVVX110725

Quant Time: Nov 08 05:04:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:01:56 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	1066.027	-6.6	96	0.00
50 S	Toluene-d8	50.000	50.780	-1.6	98	0.00
51 T	4-Methyl-2-Pentanone	250.000	274.770	-9.9	99	0.00
52 CM	Toluene	50.000	53.014	-6.0#	98	0.00
53 T	t-1,3-Dichloropropene	50.000	53.042	-6.1	98	0.00
54 T	cis-1,3-Dichloropropene	50.000	54.498	-9.0	99	0.00
55 T	1,1,2-Trichloroethane	50.000	54.903	-9.8	98	0.00
56 T	Ethyl methacrylate	50.000	56.539	-13.1	98	0.00
57 T	1,3-Dichloropropane	50.000	52.652	-5.3	96	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	299.907	-20.0	98	0.00
59 T	2-Hexanone	250.000	277.453	-11.0	99	0.00
60 T	Dibromochloromethane	50.000	53.460	-6.9	97	0.00
61 T	1,2-Dibromoethane	50.000	53.598	-7.2	99	0.00
62 S	4-Bromofluorobenzene	50.000	50.843	-1.7	99	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	96	0.00
64 T	Tetrachloroethene	50.000	48.124	3.8	103	0.00
65 PM	Chlorobenzene	50.000	47.057	5.9	98	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	49.801	0.4	97	0.00
67 C	Ethyl Benzene	50.000	48.456	3.1#	99	0.00
68 T	m/p-Xylenes	100.000	99.482	0.5	100	0.00
69 T	o-Xylene	50.000	49.430	1.1	100	0.00
70 T	Styrene	50.000	49.362	1.3	97	0.00
71 P	Bromoform	50.000	48.145	3.7	98	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	97	0.00
73 T	Isopropylbenzene	50.000	49.403	1.2	101	0.00
74 T	N-ethyl acetate	50.000	50.225	-0.5	100	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	48.855	2.3	99	0.00
76 T	1,2,3-Trichloropropane	50.000	41.585	16.8	66	0.00
77 T	Bromobenzene	50.000	48.079	3.8	97	0.00
78 T	n-propylbenzene	50.000	49.162	1.7	102	0.00
79 T	2-Chlorotoluene	50.000	48.767	2.5	101	0.00
80 T	1,3,5-Trimethylbenzene	50.000	50.134	-0.3	103	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	50.890	-1.8	96	0.00
82 T	4-Chlorotoluene	50.000	49.035	1.9	101	0.00
83 T	tert-Butylbenzene	50.000	49.698	0.6	101	0.00
84 T	1,2,4-Trimethylbenzene	50.000	50.137	-0.3	101	0.00
85 T	sec-Butylbenzene	50.000	49.297	1.4	104	0.00
86 T	p-Isopropyltoluene	50.000	49.417	1.2	103	0.00
87 T	1,3-Dichlorobenzene	50.000	47.519	5.0	99	0.00
88 T	1,4-Dichlorobenzene	50.000	46.536	6.9	98	0.00
89 T	n-Butylbenzene	50.000	48.984	2.0	105	0.00
90 T	Hexachloroethane	50.000	48.425	3.2	104	0.00
91 T	1,2-Dichlorobenzene	50.000	47.984	4.0	97	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	50.566	-1.1	99	0.00
93 T	1,2,4-Trichlorobenzene	50.000	49.507	1.0	101	0.00
94 T	Hexachlorobutadiene	50.000	47.031	5.9	106	0.00
95 T	Naphthalene	50.000	52.576	-5.2	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048525.D
Acq On : 07 Nov 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110725

Quant Time: Nov 08 05:04:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:01:56 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.471	-0.9	101	0.00

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>CHEM02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3643</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date/Time:	<u>11/17/2025 10:26</u>
Lab File ID:	<u>VN088292.D</u>	Init. Calib. Date(s):	<u>10/23/2025 10/23/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:42 12:02</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.564	0.510		-9.57	20
Chloromethane	0.664	0.644	0.1	-3.01	20
Vinyl Chloride	0.723	0.692		-4.29	20
Ethyl Acetate	0.633	0.670		5.84	20
Bromomethane	0.432	0.365		-15.51	20
Chloroethane	0.521	0.449		-13.82	20
Trichlorofluoromethane	1.153	1.033		-10.41	20
1,1,2-Trichlorotrifluoroethane	0.595	0.570		-4.2	20
Tert butyl alcohol	0.149	0.158		6.04	20
1,1-Dichloroethene	0.628	0.543		-13.53	20
Acrolein	0.168	0.197		17.26	20
Acrylonitrile	0.406	0.449		10.59	20
Acetone	0.434	0.472		8.76	20
Carbon Disulfide	1.910	1.638		-14.24	20
Methyl tert-butyl Ether	2.308	2.366		2.51	20
Methyl Acetate	0.889	1.063		19.57	20
Methylene Chloride	0.729	0.715		-1.92	20
trans-1,2-Dichloroethene	0.690	0.642		-6.96	20
Vinyl Acetate	2.087	2.257		8.15	20
1,1-Dichloroethane	1.283	1.362	0.1	6.16	20
Cyclohexane	1.210	1.116		-7.77	20
2-Butanone	0.572	0.653		14.16	20
Carbon Tetrachloride	0.507	0.522		2.96	20
2,2-Dichloropropane	1.166	1.152		-1.2	20
cis-1,2-Dichloroethene	0.794	0.787		-0.88	20
Bromochloromethane	0.606	0.636		4.95	20
Chloroform	1.282	1.378		7.49	20
1,1,1-Trichloroethane	1.142	1.136		-0.52	20
Methylcyclohexane	0.630	0.534		-15.24	20
1,1-Dichloropropene	0.490	0.487		-0.61	20
Benzene	1.494	1.517		1.54	20
1,2-Dichloroethane	0.531	0.584		9.98	20
Trichloroethene	0.349	0.345		-1.15	20
1,2-Dichloropropane	0.377	0.407		7.96	20
Dibromomethane	0.269	0.284		5.58	20
Bromodichloromethane	0.538	0.600		11.52	20
4-Methyl-2-Pentanone	0.575	0.670		16.52	20
Toluene	0.921	0.924		0.33	20

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>CHEM02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3643</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date/Time:	<u>11/17/2025 10:26</u>
Lab File ID:	<u>VN088292.D</u>	Init. Calib. Date(s):	<u>10/23/2025 10/23/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:42 12:02</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
t-1,3-Dichloropropene	0.573	0.616		7.5	20
cis-1,3-Dichloropropene	0.608	0.651		7.07	20
1,1,2-Trichloroethane	0.349	0.369		5.73	20
1,3-Dichloropropane	0.614	0.661		7.66	20
2-Chloroethyl Vinyl ether	0.288	0.353		22.57	20
2-Hexanone	0.382	0.466		21.99	20
Dibromochloromethane	0.397	0.423		6.55	20
1,2-Dibromoethane	0.360	0.372		3.33	20
Tetrachloroethene	0.330	0.323		-2.12	20
Chlorobenzene	1.135	1.123	0.3	-1.06	20
1,1,1,2-Tetrachloroethane	0.372	0.400		7.53	20
Hexachloroethane	0.653	0.626		-4.14	20
Ethyl Benzene	1.993	1.984		-0.45	20
m/p-Xylenes	0.747	0.748		0.13	20
o-Xylene	0.708	0.714		0.85	20
Styrene	1.154	1.221		5.81	20
Bromoform	0.278	0.304	0.1	9.35	20
Isopropylbenzene	3.856	3.678		-4.62	20
1,1,2,2-Tetrachloroethane	1.201	1.241	0.3	3.33	20
1,2,3-Trichloropropane	1.143	1.178		3.06	20
Bromobenzene	0.832	0.848		1.92	20
n-propylbenzene	4.706	4.589		-2.49	20
2-Chlorotoluene	2.684	2.721		1.38	20
1,3,5-Trimethylbenzene	3.203	3.137		-2.06	20
4-Chlorotoluene	2.904	2.809		-3.27	20
tert-Butylbenzene	2.861	2.687		-6.08	20
1,2,4-Trimethylbenzene	3.204	3.226		0.69	20
sec-Butylbenzene	4.203	3.912		-6.92	20
p-Isopropyltoluene	3.372	3.231		-4.18	20
1,3-Dichlorobenzene	1.660	1.641		-1.14	20
1,4-Dichlorobenzene	1.783	1.700		-4.66	20
n-Butylbenzene	3.340	3.089		-7.51	20
1,2-Dichlorobenzene	1.600	1.571		-1.81	20
1,2-Dibromo-3-Chloropropane	0.279	0.287		2.87	20
1,2,4-Trichlorobenzene	0.969	0.926		-4.44	20
Hexachlorobutadiene	0.361	0.333		-7.76	20
Naphthalene	3.320	3.203		-3.52	20
1,2,3-Trichlorobenzene	0.929	0.881		-5.17	20

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>CHEM02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3643</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date/Time:	<u>11/17/2025</u> <u>10:26</u>
Lab File ID:	<u>VN088292.D</u>	Init. Calib. Date(s):	<u>10/23/2025</u> <u>10/23/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:42</u> <u>12:02</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2-Dichloroethane-d4	0.865	0.849		-1.85	20
Dibromofluoromethane	0.336	0.319		-5.06	20
Toluene-d8	1.294	1.153		-10.9	20
4-Bromofluorobenzene	0.457	0.400		-12.47	20

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111725\
 Data File : VN088292.D
 Acq On : 17 Nov 2025 10:26
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 19 01:10:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	261515	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.076	114	487635	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	426259	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	213799	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	222084	49.110	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.220%		
35) Dibromofluoromethane	8.147	113	155512	47.471	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.940%		
50) Toluene-d8	10.541	98	562388	44.553	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.100%		
62) 4-Bromofluorobenzene	12.823	95	195082	43.761	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	87.520%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	133457	45.241	ug/l	97
3) Chloromethane	2.383	50	168382	48.519	ug/l	97
4) Vinyl Chloride	2.536	62	181029	47.875	ug/l	99
5) Bromomethane	2.965	94	95517	42.232	ug/l	100
6) Chloroethane	3.130	64	117414	43.098	ug/l	99
7) Trichlorofluoromethane	3.506	101	270206	44.803	ug/l	98
8) Diethyl Ether	3.953	74	107688	48.043	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.365	101	149100	47.910	ug/l	98
10) Methyl Iodide	4.577	142	145355	51.107	ug/l	95
11) Tert butyl alcohol	5.518	59	206174	264.642	ug/l	98
12) 1,1-Dichloroethene	4.336	96	141924	43.178	ug/l	97
13) Acrolein	4.171	56	257524	293.872	ug/l	100
14) Allyl chloride	5.006	41	267494	46.429	ug/l	99
15) Acrylonitrile	5.700	53	586749	276.489	ug/l	98
16) Acetone	4.418	43	616741	271.470	ug/l	96
17) Carbon Disulfide	4.700	76	428302	42.865	ug/l	98
18) Methyl Acetate	5.012	43	278027	59.777	ug/l	100
19) Methyl tert-butyl Ether	5.783	73	618635	51.249	ug/l	99
20) Methylene Chloride	5.265	84	186958	49.024	ug/l	97
21) trans-1,2-Dichloroethene	5.771	96	167914	46.540	ug/l	98
22) Diisopropyl ether	6.653	45	656661	54.197	ug/l	97
23) Vinyl Acetate	6.588	43	2951285	270.410	ug/l	99
24) 1,1-Dichloroethane	6.547	63	356229	53.076	ug/l	98
25) 2-Butanone	7.465	43	853933	285.217	ug/l	100
26) 2,2-Dichloropropane	7.471	77	301322	49.403	ug/l	98
27) cis-1,2-Dichloroethene	7.465	96	205682	49.520	ug/l	94
28) Bromochloromethane	7.794	49	166436	52.482	ug/l	98
29) Tetrahydrofuran	7.818	42	536474	274.948	ug/l	98
30) Chloroform	7.947	83	360483	53.763	ug/l	98
31) Cyclohexane	8.235	56	291825	46.102	ug/l	97
32) 1,1,1-Trichloroethane	8.147	97	297049	49.742	ug/l	99
36) 1,1-Dichloropropene	8.353	75	237307	49.612	ug/l	98
37) Ethyl Acetate	7.541	43	326590	52.909	ug/l	98
38) Carbon Tetrachloride	8.341	117	254381	51.491	ug/l	98
39) Methylcyclohexane	9.576	83	260173	42.316	ug/l	97
40) Benzene	8.588	78	739747	50.782	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111725\
 Data File : VN088292.D
 Acq On : 17 Nov 2025 10:26
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 19 01:10:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	175828	54.121	ug/l	97
42) 1,2-Dichloroethane	8.653	62	284771	55.018	ug/l	100
43) Isopropyl Acetate	8.671	43	515472	54.345	ug/l	99
44) Trichloroethene	9.329	130	168349	49.443	ug/l	96
45) 1,2-Dichloropropane	9.600	63	198439	53.958	ug/l	99
46) Dibromomethane	9.688	93	138527	52.814	ug/l	97
47) Bromodichloromethane	9.865	83	292649	55.728	ug/l	98
48) Methyl methacrylate	9.659	41	239402	54.669	ug/l	98
49) 1,4-Dioxane	9.682	88	68423	1256.282	ug/l #	93
51) 4-Methyl-2-Pentanone	10.423	43	1632763	290.979	ug/l	100
52) Toluene	10.606	92	450658	50.177	ug/l	98
53) t-1,3-Dichloropropene	10.812	75	300519	53.768	ug/l	98
54) cis-1,3-Dichloropropene	10.288	75	317298	53.500	ug/l	97
55) 1,1,2-Trichloroethane	10.994	97	179985	52.821	ug/l	95
56) Ethyl methacrylate	10.853	69	295542	54.809	ug/l	99
57) 1,3-Dichloropropane	11.141	76	322353	53.822	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.141	63	860187	306.681	ug/l	100
59) 2-Hexanone	11.176	43	1135758	305.116	ug/l	99
60) Dibromochloromethane	11.335	129	206474	53.312	ug/l	99
61) 1,2-Dibromoethane	11.447	107	181398	51.727	ug/l	99
64) Tetrachloroethene	11.082	164	137881	49.039	ug/l	92
65) Chlorobenzene	11.870	112	478887	49.477	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.935	131	170355	53.722	ug/l	99
67) Ethyl Benzene	11.941	91	845510	49.766	ug/l	100
68) m/p-Xylenes	12.047	106	637992	100.223	ug/l	97
69) o-Xylene	12.376	106	304462	50.454	ug/l	99
70) Styrene	12.388	104	520302	52.874	ug/l	98
71) Bromoform	12.559	173	129596	54.764	ug/l #	99
73) Isopropylbenzene	12.670	105	786363	47.688	ug/l	98
74) N-amyl acetate	12.500	43	239521m	51.169	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	265254	51.668	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	251754m	51.503	ug/l	
77) Bromobenzene	12.959	156	181326	50.994	ug/l	98
78) n-propylbenzene	13.012	91	981162	48.758	ug/l	99
79) 2-Chlorotoluene	13.106	91	581845	50.701	ug/l	98
80) 1,3,5-Trimethylbenzene	13.147	105	670671	48.973	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.712	75	91691	52.326	ug/l	86
82) 4-Chlorotoluene	13.200	91	600553	48.370	ug/l	99
83) tert-Butylbenzene	13.412	119	574393	46.952	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	689759	50.340	ug/l	98
85) sec-Butylbenzene	13.594	105	836483	46.539	ug/l	99
86) p-Isopropyltoluene	13.706	119	690684	47.902	ug/l	99
87) 1,3-Dichlorobenzene	13.711	146	350942	49.439	ug/l	100
88) 1,4-Dichlorobenzene	13.788	146	363548	47.684	ug/l	98
89) n-Butylbenzene	14.035	91	660332	46.234	ug/l	99
90) Hexachloroethane	14.306	117	133829	47.930	ug/l	93
91) 1,2-Dichlorobenzene	14.082	146	335828	49.079	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	61415	51.397	ug/l	97
93) 1,2,4-Trichlorobenzene	15.364	180	197962	47.771	ug/l	100
94) Hexachlorobutadiene	15.476	225	71281	46.190	ug/l	99
95) Naphthalene	15.611	128	684815	48.239	ug/l	100
96) 1,2,3-Trichlorobenzene	15.811	180	188363	47.406	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111725\
Data File : VN088292.D
Acq On : 17 Nov 2025 10:26
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 19 01:10:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 03 01:16:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

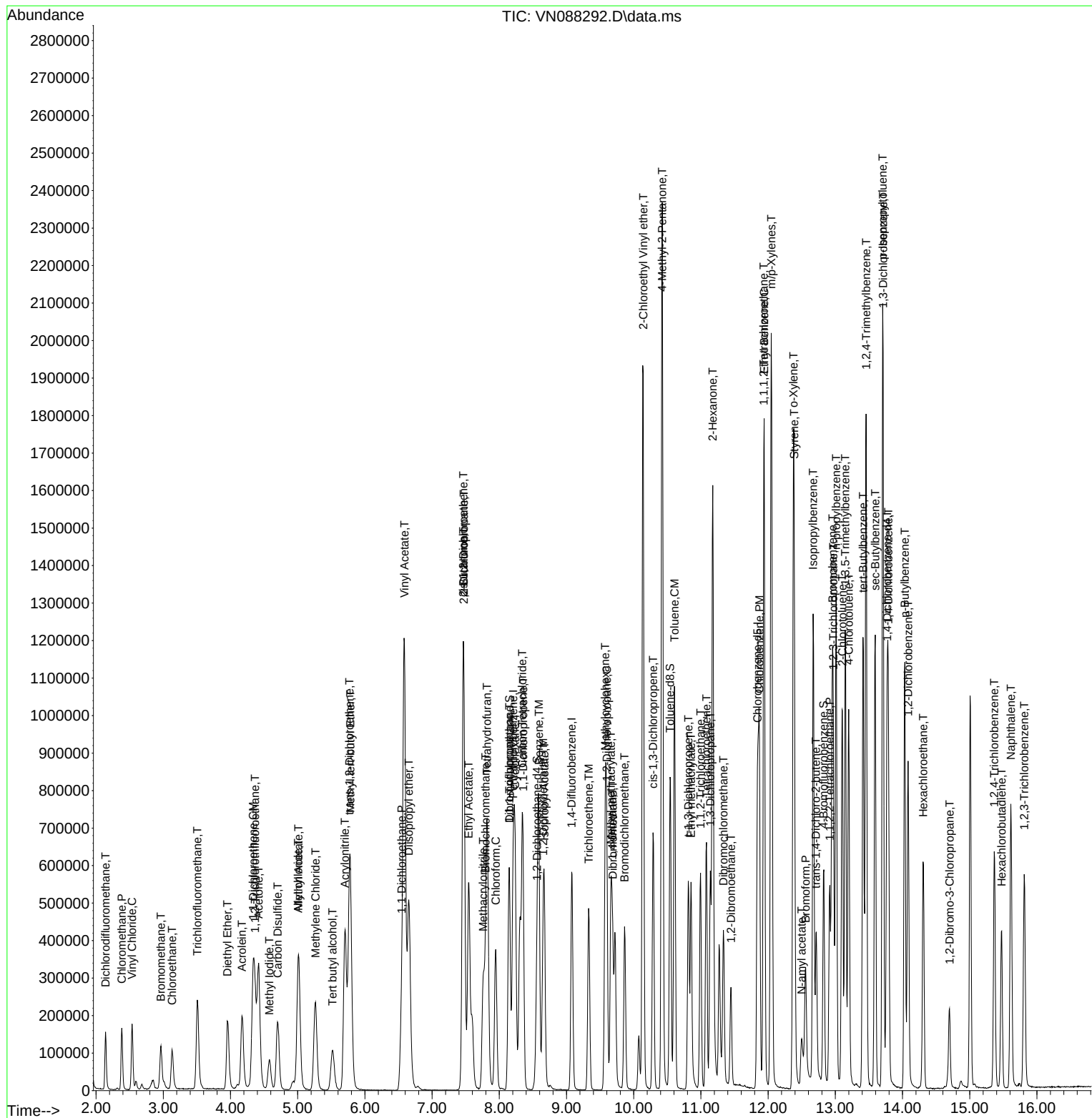
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111725\  
Data File : VN088292.D  
Acq On    : 17 Nov 2025  10:26  
Operator  : JC\MD  
Sample    : VSTDCCC050  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 3      Sample Multiplier: 1
```

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations

Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 19 01:10:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 03 01:16:06 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111725\
 Data File : VN088292.D
 Acq On : 17 Nov 2025 10:26
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 19 01:10:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	77	0.00
2 T	Dichlorodifluoromethane	0.564	0.510	9.6	86	0.00
3 P	Chloromethane	0.664	0.644	3.0	96	0.00
4 C	Vinyl Chloride	0.723	0.692	4.3#	92	0.00
5 T	Bromomethane	0.432	0.365	15.5	83	0.00
6 T	Chloroethane	0.521	0.449	13.8	84	0.00
7 T	Trichlorofluoromethane	1.153	1.033	10.4	84	0.00
8 T	Diethyl Ether	0.429	0.412	4.0	100	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.595	0.570	4.2	93	0.00
10 T	Methyl Iodide	0.544	0.556	-2.2	94	0.00
11 T	Tert butyl alcohol	0.149	0.158	-6.0	106	0.00
12 CM	1,1-Dichloroethene	0.628	0.543	13.5#	91	0.00
13 T	Acrolein	0.168	0.197	-17.3	123	0.00
14 T	Allyl chloride	1.102	1.023	7.2	97	0.00
15 T	Acrylonitrile	0.406	0.449	-10.6	107	0.00
16 T	Acetone	0.434	0.472	-8.8	114	0.00
17 T	Carbon Disulfide	1.910	1.638	14.2	85	0.00
18 T	Methyl Acetate	0.889	1.063	-19.6	120	0.00
19 T	Methyl tert-butyl Ether	2.308	2.366	-2.5	102	0.00
20 T	Methylene Chloride	0.729	0.715	1.9	102	0.00
21 T	trans-1,2-Dichloroethene	0.690	0.642	7.0	93	0.00
22 T	Diisopropyl ether	2.317	2.511	-8.4	103	0.00
23 T	Vinyl Acetate	2.087	2.257	-8.1	101	0.00
24 P	1,1-Dichloroethane	1.283	1.362	-6.2	103	0.00
25 T	2-Butanone	0.572	0.653	-14.2	109	0.00
26 T	2,2-Dichloropropane	1.166	1.152	1.2	97	0.00
27 T	cis-1,2-Dichloroethene	0.794	0.787	0.9	97	0.00
28 T	Bromochloromethane	0.606	0.636	-5.0	84	0.00
29 T	Tetrahydrofuran	0.373	0.410	-9.9	107	0.00
30 C	Chloroform	1.282	1.378	-7.5#	103	0.00
31 T	Cyclohexane	1.210	1.116	7.8	89	0.00
32 T	1,1,1-Trichloroethane	1.142	1.136	0.5	96	0.00
33 S	1,2-Dichloroethane-d4	0.865	0.849	1.8	82	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	78	0.00
35 S	Dibromofluoromethane	0.336	0.319	5.1	79	0.00
36 T	1,1-Dichloropropene	0.490	0.487	0.6	93	0.00
37 T	Ethyl Acetate	0.633	0.670	-5.8	106	0.00
38 T	Carbon Tetrachloride	0.507	0.522	-3.0	97	0.00
39 T	Methylcyclohexane	0.630	0.534	15.2	79	0.00
40 TM	Benzene	1.494	1.517	-1.5	97	0.00
41 T	Methacrylonitrile	0.333	0.361	-8.4	103	0.00
42 TM	1,2-Dichloroethane	0.531	0.584	-10.0	104	0.00
43 T	Isopropyl Acetate	0.973	1.057	-8.6	101	0.00
44 TM	Trichloroethene	0.349	0.345	1.1	94	0.00
45 C	1,2-Dichloropropane	0.377	0.407	-8.0#	103	0.00
46 T	Dibromomethane	0.269	0.284	-5.6	101	0.00
47 T	Bromodichloromethane	0.538	0.600	-11.5	106	0.00
48 T	Methyl methacrylate	0.449	0.491	-9.4	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111725\
 Data File : VN088292.D
 Acq On : 17 Nov 2025 10:26
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 19 01:10:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.006	0.007	-16.7	124	0.00
50 S	Toluene-d8	1.294	1.153	10.9	73	0.00
51 T	4-Methyl-2-Pentanone	0.575	0.670	-16.5	107	0.00
52 CM	Toluene	0.921	0.924	-0.3#	95	0.00
53 T	t-1,3-Dichloropropene	0.573	0.616	-7.5	100	0.00
54 T	cis-1,3-Dichloropropene	0.608	0.651	-7.1	101	0.00
55 T	1,1,2-Trichloroethane	0.349	0.369	-5.7	102	0.00
56 T	Ethyl methacrylate	0.553	0.606	-9.6	99	0.00
57 T	1,3-Dichloropropane	0.614	0.661	-7.7	101	0.00
58 T	2-Chloroethyl Vinyl ether	0.288	0.353	-22.6	112	0.00
59 T	2-Hexanone	0.382	0.466	-22.0	109	0.00
60 T	Dibromochloromethane	0.397	0.423	-6.5	101	0.00
61 T	1,2-Dibromoethane	0.360	0.372	-3.3	100	0.00
62 S	4-Bromofluorobenzene	0.457	0.400	12.5	71	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	76	0.00
64 T	Tetrachloroethene	0.330	0.323	2.1	95	0.00
65 PM	Chlorobenzene	1.135	1.123	1.1	91	0.00
66 T	1,1,1,2-Tetrachloroethane	0.372	0.400	-7.5	98	0.00
67 C	Ethyl Benzene	1.993	1.984	0.5#	92	0.00
68 T	m/p-Xylenes	0.747	0.748	-0.1	90	0.00
69 T	o-Xylene	0.708	0.714	-0.8	90	0.00
70 T	Styrene	1.154	1.221	-5.8	92	0.00
71 P	Bromoform	0.278	0.304	-9.4	99	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	76	0.00
73 T	Isopropylbenzene	3.856	3.678	4.6	88	0.00
74 T	N-ethyl acetate	1.095	1.120	-2.3	92	0.00
75 P	1,1,2,2-Tetrachloroethane	1.201	1.241	-3.3	98	0.00
76 T	1,2,3-Trichloropropane	1.143	1.178	-3.1	96	0.00
77 T	Bromobenzene	0.832	0.848	-1.9	94	0.00
78 T	n-propylbenzene	4.706	4.589	2.5	89	0.00
79 T	2-Chlorotoluene	2.684	2.721	-1.4	92	0.00
80 T	1,3,5-Trimethylbenzene	3.203	3.137	2.1	89	0.00
81 T	trans-1,4-Dichloro-2-butene	0.410	0.429	-4.6	103	0.00
82 T	4-Chlorotoluene	2.904	2.809	3.3	91	0.00
83 T	tert-Butylbenzene	2.861	2.687	6.1	86	0.00
84 T	1,2,4-Trimethylbenzene	3.204	3.226	-0.7	91	0.00
85 T	sec-Butylbenzene	4.203	3.912	6.9	85	0.00
86 T	p-Isopropyltoluene	3.372	3.231	4.2	86	0.00
87 T	1,3-Dichlorobenzene	1.660	1.641	1.1	90	0.00
88 T	1,4-Dichlorobenzene	1.783	1.700	4.7	92	0.00
89 T	n-Butylbenzene	3.340	3.089	7.5	83	0.00
90 T	Hexachloroethane	0.653	0.626	4.1	89	0.00
91 T	1,2-Dichlorobenzene	1.600	1.571	1.8	92	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.279	0.287	-2.9	102	0.00
93 T	1,2,4-Trichlorobenzene	0.969	0.926	4.4	90	0.00
94 T	Hexachlorobutadiene	0.361	0.333	7.8	86	0.00
95 T	Naphthalene	3.320	3.203	3.5	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111725\
Data File : VN088292.D
Acq On : 17 Nov 2025 10:26
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 19 01:10:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 03 01:16:06 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.929	0.881	5.2	91	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111725\
 Data File : VN088292.D
 Acq On : 17 Nov 2025 10:26
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 19 01:10:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	77	0.00
2 T	Dichlorodifluoromethane	50.000	45.241	9.5	86	0.00
3 P	Chloromethane	50.000	48.519	3.0	96	0.00
4 C	Vinyl Chloride	50.000	47.875	4.3#	92	0.00
5 T	Bromomethane	50.000	42.232	15.5	83	0.00
6 T	Chloroethane	50.000	43.098	13.8	84	0.00
7 T	Trichlorofluoromethane	50.000	44.803	10.4	84	0.00
8 T	Diethyl Ether	50.000	48.043	3.9	100	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	47.910	4.2	93	0.00
10 T	Methyl Iodide	50.000	51.107	-2.2	94	0.00
11 T	Tert butyl alcohol	250.000	264.642	-5.9	106	0.00
12 CM	1,1-Dichloroethene	50.000	43.178	13.6#	91	0.00
13 T	Acrolein	250.000	293.872	-17.5	123	0.00
14 T	Allyl chloride	50.000	46.429	7.1	97	0.00
15 T	Acrylonitrile	250.000	276.489	-10.6	107	0.00
16 T	Acetone	250.000	271.470	-8.6	114	0.00
17 T	Carbon Disulfide	50.000	42.865	14.3	85	0.00
18 T	Methyl Acetate	50.000	59.777	-19.6	120	0.00
19 T	Methyl tert-butyl Ether	50.000	51.249	-2.5	102	0.00
20 T	Methylene Chloride	50.000	49.024	2.0	102	0.00
21 T	trans-1,2-Dichloroethene	50.000	46.540	6.9	93	0.00
22 T	Diisopropyl ether	50.000	54.197	-8.4	103	0.00
23 T	Vinyl Acetate	250.000	270.410	-8.2	101	0.00
24 P	1,1-Dichloroethane	50.000	53.076	-6.2	103	0.00
25 T	2-Butanone	250.000	285.217	-14.1	109	0.00
26 T	2,2-Dichloropropane	50.000	49.403	1.2	97	0.00
27 T	cis-1,2-Dichloroethene	50.000	49.520	1.0	97	0.00
28 T	Bromochloromethane	50.000	52.482	-5.0	84	0.00
29 T	Tetrahydrofuran	250.000	274.948	-10.0	107	0.00
30 C	Chloroform	50.000	53.763	-7.5#	103	0.00
31 T	Cyclohexane	50.000	46.102	7.8	89	0.00
32 T	1,1,1-Trichloroethane	50.000	49.742	0.5	96	0.00
33 S	1,2-Dichloroethane-d4	50.000	49.110	1.8	82	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	78	0.00
35 S	Dibromofluoromethane	50.000	47.471	5.1	79	0.00
36 T	1,1-Dichloropropene	50.000	49.612	0.8	93	0.00
37 T	Ethyl Acetate	50.000	52.909	-5.8	106	0.00
38 T	Carbon Tetrachloride	50.000	51.491	-3.0	97	0.00
39 T	Methylcyclohexane	50.000	42.316	15.4	79	0.00
40 TM	Benzene	50.000	50.782	-1.6	97	0.00
41 T	Methacrylonitrile	50.000	54.121	-8.2	103	0.00
42 TM	1,2-Dichloroethane	50.000	55.018	-10.0	104	0.00
43 T	Isopropyl Acetate	50.000	54.345	-8.7	101	0.00
44 TM	Trichloroethene	50.000	49.443	1.1	94	0.00
45 C	1,2-Dichloropropane	50.000	53.958	-7.9#	103	0.00
46 T	Dibromomethane	50.000	52.814	-5.6	101	0.00
47 T	Bromodichloromethane	50.000	55.728	-11.5	106	0.00
48 T	Methyl methacrylate	50.000	54.669	-9.3	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111725\
 Data File : VN088292.D
 Acq On : 17 Nov 2025 10:26
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 19 01:10:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1256.282	-25.6#	124	0.00
50 S	Toluene-d8	50.000	44.553	10.9	73	0.00
51 T	4-Methyl-2-Pentanone	250.000	290.979	-16.4	107	0.00
52 CM	Toluene	50.000	50.177	-0.4#	95	0.00
53 T	t-1,3-Dichloropropene	50.000	53.768	-7.5	100	0.00
54 T	cis-1,3-Dichloropropene	50.000	53.500	-7.0	101	0.00
55 T	1,1,2-Trichloroethane	50.000	52.821	-5.6	102	0.00
56 T	Ethyl methacrylate	50.000	54.809	-9.6	99	0.00
57 T	1,3-Dichloropropane	50.000	53.822	-7.6	101	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	306.681	-22.7	112	0.00
59 T	2-Hexanone	250.000	305.116	-22.0	109	0.00
60 T	Dibromochloromethane	50.000	53.312	-6.6	101	0.00
61 T	1,2-Dibromoethane	50.000	51.727	-3.5	100	0.00
62 S	4-Bromofluorobenzene	50.000	43.761	12.5	71	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	76	0.00
64 T	Tetrachloroethene	50.000	49.039	1.9	95	0.00
65 PM	Chlorobenzene	50.000	49.477	1.0	91	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	53.722	-7.4	98	0.00
67 C	Ethyl Benzene	50.000	49.766	0.5#	92	0.00
68 T	m/p-Xylenes	100.000	100.223	-0.2	90	0.00
69 T	o-Xylene	50.000	50.454	-0.9	90	0.00
70 T	Styrene	50.000	52.874	-5.7	92	0.00
71 P	Bromoform	50.000	54.764	-9.5	99	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	76	0.00
73 T	Isopropylbenzene	50.000	47.688	4.6	88	0.00
74 T	N-ethyl acetate	50.000	51.169	-2.3	92	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	51.668	-3.3	98	0.00
76 T	1,2,3-Trichloropropane	50.000	51.503	-3.0	96	0.00
77 T	Bromobenzene	50.000	50.994	-2.0	94	0.00
78 T	n-propylbenzene	50.000	48.758	2.5	89	0.00
79 T	2-Chlorotoluene	50.000	50.701	-1.4	92	0.00
80 T	1,3,5-Trimethylbenzene	50.000	48.973	2.1	89	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	52.326	-4.7	103	0.00
82 T	4-Chlorotoluene	50.000	48.370	3.3	91	0.00
83 T	tert-Butylbenzene	50.000	46.952	6.1	86	0.00
84 T	1,2,4-Trimethylbenzene	50.000	50.340	-0.7	91	0.00
85 T	sec-Butylbenzene	50.000	46.539	6.9	85	0.00
86 T	p-Isopropyltoluene	50.000	47.902	4.2	86	0.00
87 T	1,3-Dichlorobenzene	50.000	49.439	1.1	90	0.00
88 T	1,4-Dichlorobenzene	50.000	47.684	4.6	92	0.00
89 T	n-Butylbenzene	50.000	46.234	7.5	83	0.00
90 T	Hexachloroethane	50.000	47.930	4.1	89	0.00
91 T	1,2-Dichlorobenzene	50.000	49.079	1.8	92	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	51.397	-2.8	102	0.00
93 T	1,2,4-Trichlorobenzene	50.000	47.771	4.5	90	0.00
94 T	Hexachlorobutadiene	50.000	46.190	7.6	86	0.00
95 T	Naphthalene	50.000	48.239	3.5	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111725\
Data File : VN088292.D
Acq On : 17 Nov 2025 10:26
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 19 01:10:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 03 01:16:06 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	47.406	5.2	91	0.00

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>CHEM02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3643</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>11/14/2025 08:47</u>
Lab File ID:	<u>VX048602.D</u>	Init. Calib. Date(s):	<u>11/07/2025 11/07/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>13:35 16:29</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.405	0.481		18.76	20
Chloromethane	0.537	0.703	0.1	30.91	20
Vinyl Chloride	0.608	0.846		39.15	20
Ethyl Acetate	0.713	0.809		13.46	20
Bromomethane	0.384	0.596		55.21	20
Chloroethane	0.398	0.541		35.93	20
Trichlorofluoromethane	0.963	1.328		37.9	20
1,1,2-Trichlorotrifluoroethane	0.557	0.587		5.39	20
Tert butyl alcohol	0.132	0.156		18.18	20
1,1-Dichloroethene	0.582	0.613		5.33	20
Acrolein	0.019	0.026		36.84	20
Acrylonitrile	0.385	0.454		17.92	20
Acetone	0.330	0.363		10	20
Carbon Disulfide	1.638	1.563		-4.58	20
Methyl tert-butyl Ether	2.055	2.360		14.84	20
Methyl Acetate	0.906	1.062		17.22	20
Methylene Chloride	0.678	0.708		4.43	20
trans-1,2-Dichloroethene	0.617	0.650		5.35	20
Vinyl Acetate	1.822	2.175		19.37	20
1,1-Dichloroethane	1.142	1.264	0.1	10.68	20
Cyclohexane	0.936	0.931		-0.53	20
2-Butanone	0.488	0.555		13.73	20
Carbon Tetrachloride	0.577	0.579		0.35	20
2,2-Dichloropropane	0.973	1.077		10.69	20
cis-1,2-Dichloroethene	0.754	0.786		4.24	20
Bromochloromethane	0.561	0.596		6.24	20
Chloroform	1.179	1.315		11.53	20
1,1,1-Trichloroethane	1.029	1.125		9.33	20
Methylcyclohexane	0.569	0.561		-1.41	20
1,1-Dichloropropene	0.507	0.487		-3.94	20
Benzene	1.571	1.539		-2.04	20
1,2-Dichloroethane	0.538	0.609		13.2	20
Trichloroethene	0.375	0.387		3.2	20
1,2-Dichloropropane	0.361	0.397		9.97	20
Dibromomethane	0.263	0.306		16.35	20
Bromodichloromethane	0.526	0.638		21.29	20
4-Methyl-2-Pentanone	0.571	0.714		25.04	20
Toluene	0.827	0.957		15.72	20

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>CHEM02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3643</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>11/14/2025 08:47</u>
Lab File ID:	<u>VX048602.D</u>	Init. Calib. Date(s):	<u>11/07/2025 11/07/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>13:35 16:29</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
t-1,3-Dichloropropene	0.541	0.634		17.19	20
cis-1,3-Dichloropropene	0.561	0.663		18.18	20
1,1,2-Trichloroethane	0.330	0.405		22.73	20
1,3-Dichloropropane	0.575	0.671		16.7	20
2-Chloroethyl Vinyl ether	0.296	0.377		27.36	20
2-Hexanone	0.425	0.520		22.35	20
Dibromochloromethane	0.406	0.491		20.94	20
1,2-Dibromoethane	0.358	0.417		16.48	20
Tetrachloroethene	0.363	0.355		-2.2	20
Chlorobenzene	1.187	1.208	0.3	1.77	20
1,1,1,2-Tetrachloroethane	0.398	0.443		11.31	20
Hexachloroethane	0.606	0.616		1.65	20
Ethyl Benzene	1.993	2.078		4.26	20
m/p-Xylenes	0.751	0.784		4.39	20
o-Xylene	0.734	0.766		4.36	20
Styrene	1.232	1.327		7.71	20
Bromoform	0.367	0.392	0.1	6.81	20
Isopropylbenzene	3.629	3.093		-14.77	20
1,1,2,2-Tetrachloroethane	1.280	1.126	0.3	-12.03	20
1,2,3-Trichloropropane	1.128	1.088		-3.55	20
Bromobenzene	0.937	0.798		-14.84	20
n-propylbenzene	4.268	3.643		-14.64	20
2-Chlorotoluene	2.579	2.183		-15.35	20
1,3,5-Trimethylbenzene	2.959	2.992		1.12	20
4-Chlorotoluene	3.025	3.034		0.3	20
tert-Butylbenzene	3.060	2.865		-6.37	20
1,2,4-Trimethylbenzene	2.985	2.937		-1.61	20
sec-Butylbenzene	3.782	3.836		1.43	20
p-Isopropyltoluene	3.180	3.246		2.08	20
1,3-Dichlorobenzene	1.756	1.813		3.25	20
1,4-Dichlorobenzene	1.814	1.844		1.65	20
n-Butylbenzene	2.983	2.966		-0.57	20
1,2-Dichlorobenzene	1.686	1.730		2.61	20
1,2-Dibromo-3-Chloropropane	0.297	0.310		4.38	20
1,2,4-Trichlorobenzene	1.120	1.091		-2.59	20
Hexachlorobutadiene	0.468	0.433		-7.48	20
Naphthalene	3.603	3.691		2.44	20
1,2,3-Trichlorobenzene	1.042	1.044		0.19	20

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: CHEM02
 Lab Code: ACE SDG No.: Q3643
 Instrument ID: MSVOA_X Calibration Date/Time: 11/14/2025 08:47
 Lab File ID: VX048602.D Init. Calib. Date(s): 11/07/2025 11/07/2025
 Heated Purge: (Y/N) N Init. Calib. Time(s): 13:35 16:29
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2-Dichloroethane-d4	0.697	0.790		13.34	20
Dibromofluoromethane	0.378	0.376		-0.53	20
Toluene-d8	1.180	1.234		4.58	20
4-Bromofluorobenzene	0.440	0.456		3.64	20

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111425\
 Data File : VX048602.D
 Acq On : 14 Nov 2025 08:47
 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 11/17/2025
 Supervised By : Mahesh Dadoda 11/17/2025

Quant Time: Nov 14 22:17:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.532	168	140447	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	235074	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	205635	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	129254	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.934	65	110996	56.717	ug/l	-0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	= 113.440%	
35) Dibromofluoromethane	5.367	113	88326	49.644	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.280%	
50) Toluene-d8	8.629	98	290061	52.273	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 104.540%	
62) 4-Bromofluorobenzene	11.061	95	107093	51.788	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.580%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.173	85	67523	59.332	ug/l	95
3) Chloromethane	1.301	50	98724	65.405	ug/l	99
4) Vinyl Chloride	1.380	62	118834	69.534	ug/l	98
5) Bromomethane	1.612	94	83732	77.590	ug/l	95
6) Chloroethane	1.691	64	75961	67.869	ug/l	99
7) Trichlorofluoromethane	1.892	101	186453	68.961	ug/l	97
8) Diethyl Ether	2.130	74	73967	68.154	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	82380	52.630	ug/l	98
10) Methyl Iodide	2.453	142	121315	52.371	ug/l	95
11) Tert butyl alcohol	2.934	59	109227	294.546	ug/l	99
12) 1,1-Dichloroethene	2.319	96	86090	52.656	ug/l	95
13) Acrolein	2.233	56	18175	338.742	ug/l	92
14) Allyl chloride	2.660	41	166207	54.601	ug/l	93
15) Acrylonitrile	3.050	53	319065	294.736	ug/l	99
16) Acetone	2.368	43	254850	275.108	ug/l	94
17) Carbon Disulfide	2.514	76	219572	47.725	ug/l	100
18) Methyl Acetate	2.691	43	149208	58.610	ug/l	97
19) Methyl tert-butyl Ether	3.099	73	331400	57.400	ug/l	99
20) Methylene Chloride	2.782	84	99398	52.191	ug/l	90
21) trans-1,2-Dichloroethene	3.087	96	91233	52.649	ug/l	92
22) Diisopropyl ether	3.739	45	346038	59.201	ug/l	83
23) Vinyl Acetate	3.703	43	1527438	298.372	ug/l	96
24) 1,1-Dichloroethane	3.599	63	177480	55.337	ug/l	100
25) 2-Butanone	4.526	43	390043	284.621	ug/l	98
26) 2,2-Dichloropropane	4.459	77	151323	55.343	ug/l	97
27) cis-1,2-Dichloroethene	4.471	96	110323	52.086	ug/l	94
28) Bromochloromethane	4.873	49	83723	53.138	ug/l	91
29) Tetrahydrofuran	4.977	42	278396	284.836	ug/l	97
30) Chloroform	5.068	83	184646	55.766	ug/l	99
31) Cyclohexane	5.452	56	130767	49.761	ug/l	94
32) 1,1,1-Trichloroethane	5.367	97	158028	54.688	ug/l	98
36) 1,1-Dichloropropene	5.672	75	114419	48.027	ug/l	98
37) Ethyl Acetate	4.684	43	190080	56.680	ug/l	97
38) Carbon Tetrachloride	5.654	117	136193	50.219	ug/l	98
39) Methylcyclohexane	7.361	83	131904	49.309	ug/l	97
40) Benzene	6.019	78	361662	48.973	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111425\
 Data File : VX048602.D
 Acq On : 14 Nov 2025 08:47
 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 11/17/2025
 Supervised By : Mahesh Dadoda 11/17/2025

Quant Time: Nov 14 22:17:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	84962	57.609	ug/l	95
42) 1,2-Dichloroethane	6.068	62	143174	56.584	ug/l	96
43) Isopropyl Acetate	6.312	43	255873	54.278	ug/l	97
44) Trichloroethene	7.104	130	90885	51.487	ug/l	90
45) 1,2-Dichloropropane	7.409	63	93393	55.001	ug/l	100
46) Dibromomethane	7.562	93	71980	58.120	ug/l	94
47) Bromodichloromethane	7.799	83	150074	60.741	ug/l	99
48) Methyl methacrylate	7.671	41	125194	59.742	ug/l	93
49) 1,4-Dioxane	7.635	88	38364	1201.445	ug/l #	95
51) 4-Methyl-2-Pentanone	8.549	43	839797	312.958	ug/l	97
52) Toluene	8.702	92	224920	57.849	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	149138	58.581	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	155887	59.135	ug/l	92
55) 1,1,2-Trichloroethane	9.128	97	95304	61.352	ug/l	96
56) Ethyl methacrylate	9.098	69	155926	60.332	ug/l #	93
57) 1,3-Dichloropropane	9.287	76	157835	58.374	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.220	63	443482	319.171	ug/l	98
59) 2-Hexanone	9.409	43	611442	306.321	ug/l	95
60) Dibromochloromethane	9.500	129	115327	60.468	ug/l	99
61) 1,2-Dibromoethane	9.592	107	98108	58.311	ug/l	99
64) Tetrachloroethene	9.257	164	73080	48.929	ug/l	97
65) Chlorobenzene	10.061	112	248491	50.912	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.140	131	91000	55.644	ug/l	99
67) Ethyl Benzene	10.177	91	427309	52.136	ug/l	98
68) m/p-Xylenes	10.281	106	322378	104.438	ug/l	96
69) o-Xylene	10.622	106	157475	52.142	ug/l	98
70) Styrene	10.634	104	272787	53.845	ug/l	98
71) Bromoform	10.781	173	80617	53.432	ug/l	99
73) Isopropylbenzene	10.945	105	399836	42.617	ug/l	98
74) N-amyl acetate	10.823	43	210274	44.636	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.195	83	145501	43.977	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	140584m	45.147	ug/l	
77) Bromobenzene	11.177	156	103206	42.600	ug/l	97
78) n-propylbenzene	11.287	91	470854	42.681	ug/l	99
79) 2-Chlorotoluene	11.348	91	282142	42.324	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	386760	50.567	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	49364	45.344	ug/l	90
82) 4-Chlorotoluene	11.433	91	392146	50.150	ug/l	100
83) tert-Butylbenzene	11.695	119	370345	46.815	ug/l	97
84) 1,2,4-Trimethylbenzene	11.732	105	379678	49.200	ug/l	98
85) sec-Butylbenzene	11.872	105	495769	50.706	ug/l	100
86) p-Isopropyltoluene	11.988	119	419556	51.041	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	234365	51.615	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	238362	50.822	ug/l	100
89) n-Butylbenzene	12.311	91	383409	49.721	ug/l	100
90) Hexachloroethane	12.518	117	79623	50.840	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	223653	51.309	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	40052	52.091	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	140995	48.677	ug/l	99
94) Hexachlorobutadiene	13.701	225	55911	46.175	ug/l	97
95) Naphthalene	13.756	128	477051	51.225	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	134897	50.068	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111425\
Data File : VX048602.D
Acq On : 14 Nov 2025 08:47
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 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025

Quant Time: Nov 14 22:17:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

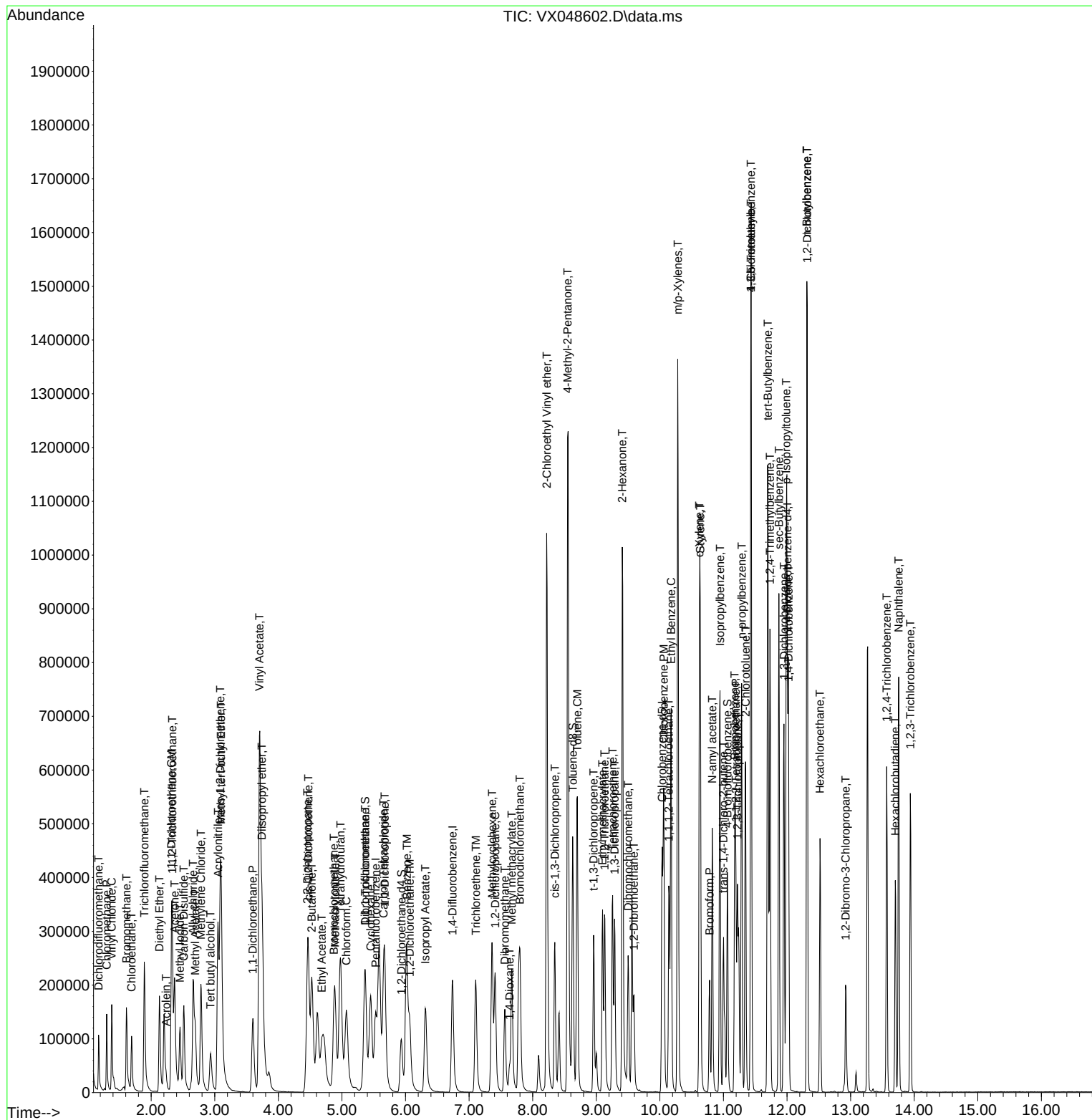
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111425\
 Data File : VX048602.D
 Acq On : 14 Nov 2025 08:47
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations APPROVED

Reviewed By : John Carlone 11/17/2025
 Supervised By : Mahesh Dadoda 11/17/2025

Quant Time: Nov 14 22:17:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111425\
 Data File : VX048602.D
 Acq On : 14 Nov 2025 08:47
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 14 22:17:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	78	0.00
2 T	Dichlorodifluoromethane	0.405	0.481	-18.8	88	0.00
3 P	Chloromethane	0.537	0.703	-30.9#	93	0.00
4 C	Vinyl Chloride	0.608	0.846	-39.1#	110	0.00
5 T	Bromomethane	0.384	0.596	-55.2#	109	0.00
6 T	Chloroethane	0.398	0.541	-35.9#	110	0.00
7 T	Trichlorofluoromethane	0.963	1.328	-37.9#	117	0.00
8 T	Diethyl Ether	0.386	0.527	-36.5#	105	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.557	0.587	-5.4	89	0.00
10 T	Methyl Iodide	0.825	0.864	-4.7	82	0.00
11 T	Tert butyl alcohol	0.132	0.156	-18.2	88	0.00
12 CM	1,1-Dichloroethene	0.582	0.613	-5.3#	88	0.00
13 T	Acrolein	0.019	0.026	-36.8#	100	0.00
14 T	Allyl chloride	1.084	1.183	-9.1	88	0.00
15 T	Acrylonitrile	0.385	0.454	-17.9	88	0.00
16 T	Acetone	0.330	0.363	-10.0	86	0.00
17 T	Carbon Disulfide	1.638	1.563	4.6	82	0.00
18 T	Methyl Acetate	0.906	1.062	-17.2	95	0.00
19 T	Methyl tert-butyl Ether	2.055	2.360	-14.8	87	0.00
20 T	Methylene Chloride	0.678	0.708	-4.4	85	0.00
21 T	trans-1,2-Dichloroethene	0.617	0.650	-5.3	85	0.00
22 T	Diisopropyl ether	2.081	2.464	-18.4	93	-0.01
23 T	Vinyl Acetate	1.822	2.175	-19.4	93	-0.01
24 P	1,1-Dichloroethane	1.142	1.264	-10.7	89	0.00
25 T	2-Butanone	0.488	0.555	-13.7	86	-0.01
26 T	2,2-Dichloropropane	0.973	1.077	-10.7	95	0.00
27 T	cis-1,2-Dichloroethene	0.754	0.786	-4.2	85	-0.01
28 T	Bromochloromethane	0.561	0.596	-6.2	86	-0.01
29 T	Tetrahydrofuran	0.348	0.396	-13.8	89	-0.01
30 C	Chloroform	1.179	1.315	-11.5#	92	-0.02
31 T	Cyclohexane	0.936	0.931	0.5	84	0.00
32 T	1,1,1-Trichloroethane	1.029	1.125	-9.3	90	0.00
33 S	1,2-Dichloroethane-d4	0.697	0.790	-13.3	90	-0.01
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	76	0.00
35 S	Dibromofluoromethane	0.378	0.376	0.5	82	0.00
36 T	1,1-Dichloropropene	0.507	0.487	3.9	87	0.00
37 T	Ethyl Acetate	0.713	0.809	-13.5	93	-0.01
38 T	Carbon Tetrachloride	0.577	0.579	-0.3	91	-0.01
39 T	Methylcyclohexane	0.569	0.561	1.4	84	0.00
40 TM	Benzene	1.571	1.539	2.0	84	0.00
41 T	Methacrylonitrile	0.314	0.361	-15.0	94	-0.01
42 TM	1,2-Dichloroethane	0.538	0.609	-13.2	97	0.00
43 T	Isopropyl Acetate	1.003	1.088	-8.5	90	-0.01
44 TM	Trichloroethene	0.375	0.387	-3.2	83	0.00
45 C	1,2-Dichloropropane	0.361	0.397	-10.0#	85	0.00
46 T	Dibromomethane	0.263	0.306	-16.3	87	0.00
47 T	Bromodichloromethane	0.526	0.638	-21.3	90	0.00
48 T	Methyl methacrylate	0.446	0.533	-19.5	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111425\
 Data File : VX048602.D
 Acq On : 14 Nov 2025 08:47
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 14 22:17:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.007	0.008	-14.3	85	-0.01
50 S	Toluene-d8	1.180	1.234	-4.6	78	0.00
51 T	4-Methyl-2-Pentanone	0.571	0.714	-25.0#	88	0.00
52 CM	Toluene	0.827	0.957	-15.7#	83	0.00
53 T	t-1,3-Dichloropropene	0.541	0.634	-17.2	85	0.00
54 T	cis-1,3-Dichloropropene	0.561	0.663	-18.2	84	0.00
55 T	1,1,2-Trichloroethane	0.330	0.405	-22.7	86	0.00
56 T	Ethyl methacrylate	0.550	0.663	-20.5	82	0.00
57 T	1,3-Dichloropropane	0.575	0.671	-16.7	83	0.00
58 T	2-Chloroethyl Vinyl ether	0.296	0.377	-27.4#	81	0.00
59 T	2-Hexanone	0.425	0.520	-22.4	86	0.00
60 T	Dibromochloromethane	0.406	0.491	-20.9	86	0.00
61 T	1,2-Dibromoethane	0.358	0.417	-16.5	84	0.00
62 S	4-Bromofluorobenzene	0.440	0.456	-3.6	79	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	76	0.00
64 T	Tetrachloroethene	0.363	0.355	2.2	82	0.00
65 PM	Chlorobenzene	1.187	1.208	-1.8	83	0.00
66 T	1,1,1,2-Tetrachloroethane	0.398	0.443	-11.3	85	0.00
67 C	Ethyl Benzene	1.993	2.078	-4.3#	83	0.00
68 T	m/p-Xylenes	0.751	0.784	-4.4	82	0.00
69 T	o-Xylene	0.734	0.766	-4.4	82	0.00
70 T	Styrene	1.232	1.327	-7.7	83	0.00
71 P	Bromoform	0.367	0.392	-6.8	85	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	0.00
73 T	Isopropylbenzene	3.629	3.093	14.8	84	0.00
74 T	N-amyl acetate	1.822	1.627	10.7	86	0.00
75 P	1,1,2,2-Tetrachloroethane	1.280	1.126	12.0	86	0.00
76 T	1,2,3-Trichloropropane	1.205	1.088	9.7	70	0.00
77 T	Bromobenzene	0.937	0.798	14.8	83	0.00
78 T	n-propylbenzene	4.268	3.643	14.6	85	0.00
79 T	2-Chlorotoluene	2.579	2.183	15.4	84	0.00
80 T	1,3,5-Trimethylbenzene	2.959	2.992	-1.1	100	0.00
81 T	trans-1,4-Dichloro-2-butene	0.421	0.382	9.3	83	0.00
82 T	4-Chlorotoluene	3.025	3.034	-0.3	100	0.00
83 T	tert-Butylbenzene	3.060	2.865	6.4	92	0.00
84 T	1,2,4-Trimethylbenzene	2.985	2.937	1.6	96	0.00
85 T	sec-Butylbenzene	3.782	3.836	-1.4	103	0.00
86 T	p-Isopropyltoluene	3.180	3.246	-2.1	102	0.00
87 T	1,3-Dichlorobenzene	1.756	1.813	-3.2	104	0.00
88 T	1,4-Dichlorobenzene	1.814	1.844	-1.7	104	0.00
89 T	n-Butylbenzene	2.983	2.966	0.6	103	0.00
90 T	Hexachloroethane	0.606	0.616	-1.7	105	0.00
91 T	1,2-Dichlorobenzene	1.686	1.730	-2.6	100	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.297	0.310	-4.4	98	0.00
93 T	1,2,4-Trichlorobenzene	1.120	1.091	2.6	97	0.00
94 T	Hexachlorobutadiene	0.468	0.433	7.5	100	0.00
95 T	Naphthalene	3.603	3.691	-2.4	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111425\
Data File : VX048602.D
Acq On : 14 Nov 2025 08:47
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 14 22:17:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.042	1.044	-0.2	97	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111425\
 Data File : VX048602.D
 Acq On : 14 Nov 2025 08:47
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 14 22:17:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	78	0.00
2 T	Dichlorodifluoromethane	50.000	59.332	-18.7	88	0.00
3 P	Chloromethane	50.000	65.405	-30.8#	93	0.00
4 C	Vinyl Chloride	50.000	69.534	-39.1#	110	0.00
5 T	Bromomethane	50.000	77.590	-55.2#	109	0.00
6 T	Chloroethane	50.000	67.869	-35.7#	110	0.00
7 T	Trichlorofluoromethane	50.000	68.961	-37.9#	117	0.00
8 T	Diethyl Ether	50.000	68.154	-36.3#	105	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	52.630	-5.3	89	0.00
10 T	Methyl Iodide	50.000	52.371	-4.7	82	0.00
11 T	Tert butyl alcohol	250.000	294.546	-17.8	88	0.00
12 CM	1,1-Dichloroethene	50.000	52.656	-5.3#	88	0.00
13 T	Acrolein	250.000	338.742	-35.5#	100	0.00
14 T	Allyl chloride	50.000	54.601	-9.2	88	0.00
15 T	Acrylonitrile	250.000	294.736	-17.9	88	0.00
16 T	Acetone	250.000	275.108	-10.0	86	0.00
17 T	Carbon Disulfide	50.000	47.725	4.5	82	0.00
18 T	Methyl Acetate	50.000	58.610	-17.2	95	0.00
19 T	Methyl tert-butyl Ether	50.000	57.400	-14.8	87	0.00
20 T	Methylene Chloride	50.000	52.191	-4.4	85	0.00
21 T	trans-1,2-Dichloroethene	50.000	52.649	-5.3	85	0.00
22 T	Diisopropyl ether	50.000	59.201	-18.4	93	-0.01
23 T	Vinyl Acetate	250.000	298.372	-19.3	93	-0.01
24 P	1,1-Dichloroethane	50.000	55.337	-10.7	89	0.00
25 T	2-Butanone	250.000	284.621	-13.8	86	-0.01
26 T	2,2-Dichloropropane	50.000	55.343	-10.7	95	0.00
27 T	cis-1,2-Dichloroethene	50.000	52.086	-4.2	85	-0.01
28 T	Bromochloromethane	50.000	53.138	-6.3	86	-0.01
29 T	Tetrahydrofuran	250.000	284.836	-13.9	89	-0.01
30 C	Chloroform	50.000	55.766	-11.5#	92	-0.02
31 T	Cyclohexane	50.000	49.761	0.5	84	0.00
32 T	1,1,1-Trichloroethane	50.000	54.688	-9.4	90	0.00
33 S	1,2-Dichloroethane-d4	50.000	56.717	-13.4	90	-0.01
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	76	0.00
35 S	Dibromofluoromethane	50.000	49.644	0.7	82	0.00
36 T	1,1-Dichloropropene	50.000	48.027	3.9	87	0.00
37 T	Ethyl Acetate	50.000	56.680	-13.4	93	-0.01
38 T	Carbon Tetrachloride	50.000	50.219	-0.4	91	-0.01
39 T	Methylcyclohexane	50.000	49.309	1.4	84	0.00
40 TM	Benzene	50.000	48.973	2.1	84	0.00
41 T	Methacrylonitrile	50.000	57.609	-15.2	94	-0.01
42 TM	1,2-Dichloroethane	50.000	56.584	-13.2	97	0.00
43 T	Isopropyl Acetate	50.000	54.278	-8.6	90	-0.01
44 TM	Trichloroethene	50.000	51.487	-3.0	83	0.00
45 C	1,2-Dichloropropane	50.000	55.001	-10.0#	85	0.00
46 T	Dibromomethane	50.000	58.120	-16.2	87	0.00
47 T	Bromodichloromethane	50.000	60.741	-21.5	90	0.00
48 T	Methyl methacrylate	50.000	59.742	-19.5	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111425\
 Data File : VX048602.D
 Acq On : 14 Nov 2025 08:47
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 14 22:17:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1201.445	-20.1	85	-0.01
50 S	Toluene-d8	50.000	52.273	-4.5	78	0.00
51 T	4-Methyl-2-Pentanone	250.000	312.958	-25.2#	88	0.00
52 CM	Toluene	50.000	57.849	-15.7#	83	0.00
53 T	t-1,3-Dichloropropene	50.000	58.581	-17.2	85	0.00
54 T	cis-1,3-Dichloropropene	50.000	59.135	-18.3	84	0.00
55 T	1,1,2-Trichloroethane	50.000	61.352	-22.7	86	0.00
56 T	Ethyl methacrylate	50.000	60.332	-20.7	82	0.00
57 T	1,3-Dichloropropane	50.000	58.374	-16.7	83	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	319.171	-27.7#	81	0.00
59 T	2-Hexanone	250.000	306.321	-22.5	86	0.00
60 T	Dibromochloromethane	50.000	60.468	-20.9	86	0.00
61 T	1,2-Dibromoethane	50.000	58.311	-16.6	84	0.00
62 S	4-Bromofluorobenzene	50.000	51.788	-3.6	79	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	76	0.00
64 T	Tetrachloroethene	50.000	48.929	2.1	82	0.00
65 PM	Chlorobenzene	50.000	50.912	-1.8	83	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	55.644	-11.3	85	0.00
67 C	Ethyl Benzene	50.000	52.136	-4.3#	83	0.00
68 T	m/p-Xylenes	100.000	104.438	-4.4	82	0.00
69 T	o-Xylene	50.000	52.142	-4.3	82	0.00
70 T	Styrene	50.000	53.845	-7.7	83	0.00
71 P	Bromoform	50.000	53.432	-6.9	85	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	94	0.00
73 T	Isopropylbenzene	50.000	42.617	14.8	84	0.00
74 T	N-amyl acetate	50.000	44.636	10.7	86	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	43.977	12.0	86	0.00
76 T	1,2,3-Trichloropropane	50.000	45.147	9.7	70	0.00
77 T	Bromobenzene	50.000	42.600	14.8	83	0.00
78 T	n-propylbenzene	50.000	42.681	14.6	85	0.00
79 T	2-Chlorotoluene	50.000	42.324	15.4	84	0.00
80 T	1,3,5-Trimethylbenzene	50.000	50.567	-1.1	100	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	45.344	9.3	83	0.00
82 T	4-Chlorotoluene	50.000	50.150	-0.3	100	0.00
83 T	tert-Butylbenzene	50.000	46.815	6.4	92	0.00
84 T	1,2,4-Trimethylbenzene	50.000	49.200	1.6	96	0.00
85 T	sec-Butylbenzene	50.000	50.706	-1.4	103	0.00
86 T	p-Isopropyltoluene	50.000	51.041	-2.1	102	0.00
87 T	1,3-Dichlorobenzene	50.000	51.615	-3.2	104	0.00
88 T	1,4-Dichlorobenzene	50.000	50.822	-1.6	104	0.00
89 T	n-Butylbenzene	50.000	49.721	0.6	103	0.00
90 T	Hexachloroethane	50.000	50.840	-1.7	105	0.00
91 T	1,2-Dichlorobenzene	50.000	51.309	-2.6	100	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	52.091	-4.2	98	0.00
93 T	1,2,4-Trichlorobenzene	50.000	48.677	2.6	97	0.00
94 T	Hexachlorobutadiene	50.000	46.175	7.7	100	0.00
95 T	Naphthalene	50.000	51.225	-2.5	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111425\
Data File : VX048602.D
Acq On : 14 Nov 2025 08:47
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 14 22:17:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.068	-0.1	97	0.00

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



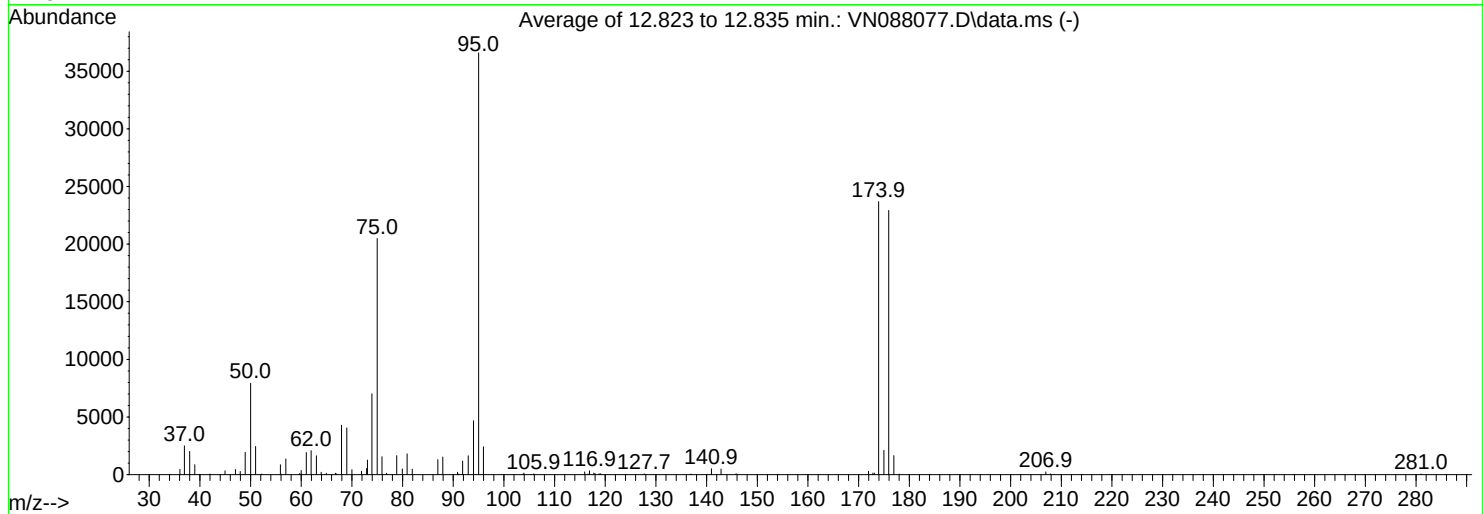
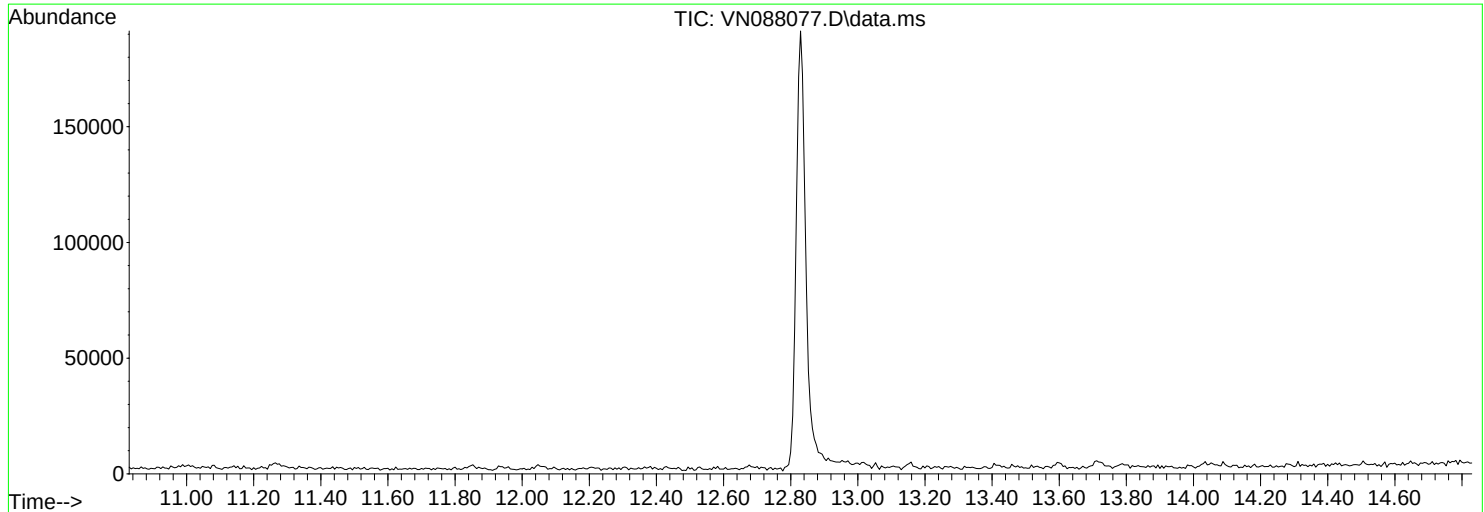
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088077.D
Acq On : 23 Oct 2025 09:09
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Title : SW846 8260
Last Update : Sat Oct 25 00:15:22 2025



AutoFind: Scans 1848, 1849, 1850; Background Corrected with Scan 1839

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.7	7924	PASS
75	95	30	60	56.0	20496	PASS
95	95	100	100	100.0	36595	PASS
96	95	5	9	6.6	2412	PASS
173	174	0.00	2	0.6	141	PASS
174	95	50	100	64.7	23688	PASS
175	174	5	9	8.9	2114	PASS
176	174	95	101	96.8	22925	PASS
177	176	5	9	7.2	1653	PASS

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	458	50.00	7924	64.95	132	75.95	155
36.95	2501	51.00	2446	66.75	129	76.85	12
38.00	2013	52.20	50	67.00	76	78.85	165
39.00	861	55.90	867	67.95	4293	79.95	50
39.85	28	56.95	1354	69.00	4051	80.90	1809
42.00	57	59.70	109	70.00	424	81.90	470
43.90	19	60.00	356	71.90	286	86.95	1303
44.95	328	61.00	1910	72.90	530	87.95	1532
47.00	441	61.95	2077	73.05	1259	90.85	210
47.95	276	63.00	1644	73.95	7010	91.10	62
48.95	1951	63.95	214	75.00	20496	91.85	1175

Average of 12.823 to 12.835 min.: VN088077.D\data.ms

BFB

Modified:subtracted

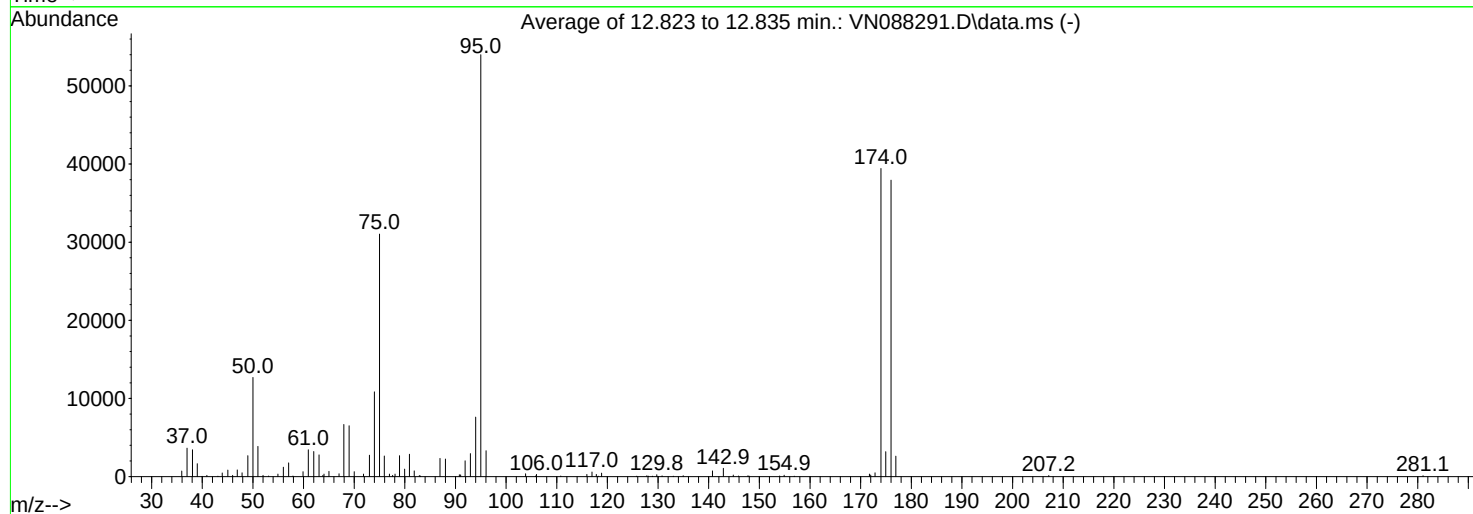
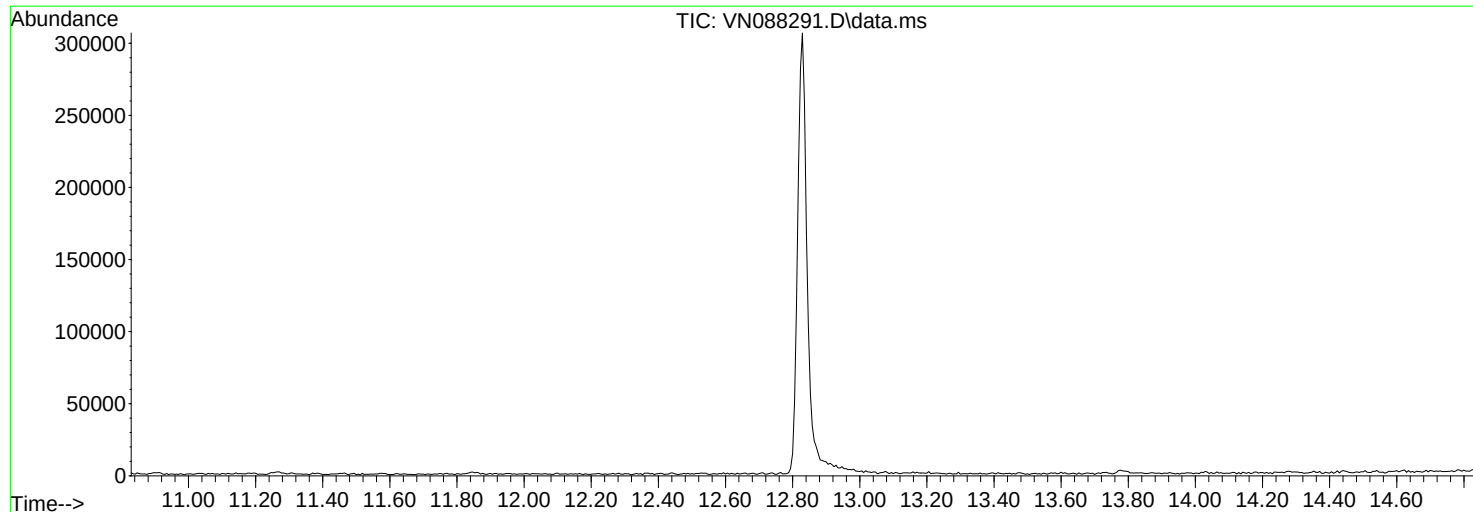
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.95	1644	117.95	115	173.95	23688		
94.00	4674	118.80	84	175.00	2114		
95.00	36595	119.10	82	175.95	22925		
95.95	2412	127.70	70	176.95	1653		
103.80	60	136.90	63	178.00	54		
103.95	139	140.95	512	206.95	238		
105.90	74	142.85	486	207.90	72		
115.95	231	145.80	89	281.00	50		
116.60	62	171.95	296				
116.90	332	172.80	135				
117.75	138	173.10	141				

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111725\
Data File : VN088291.D
Acq On : 17 Nov 2025 08:32
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 19 01:25:31 2025



AutoFind: Scans 1848, 1849, 1850; Background Corrected with Scan 1840

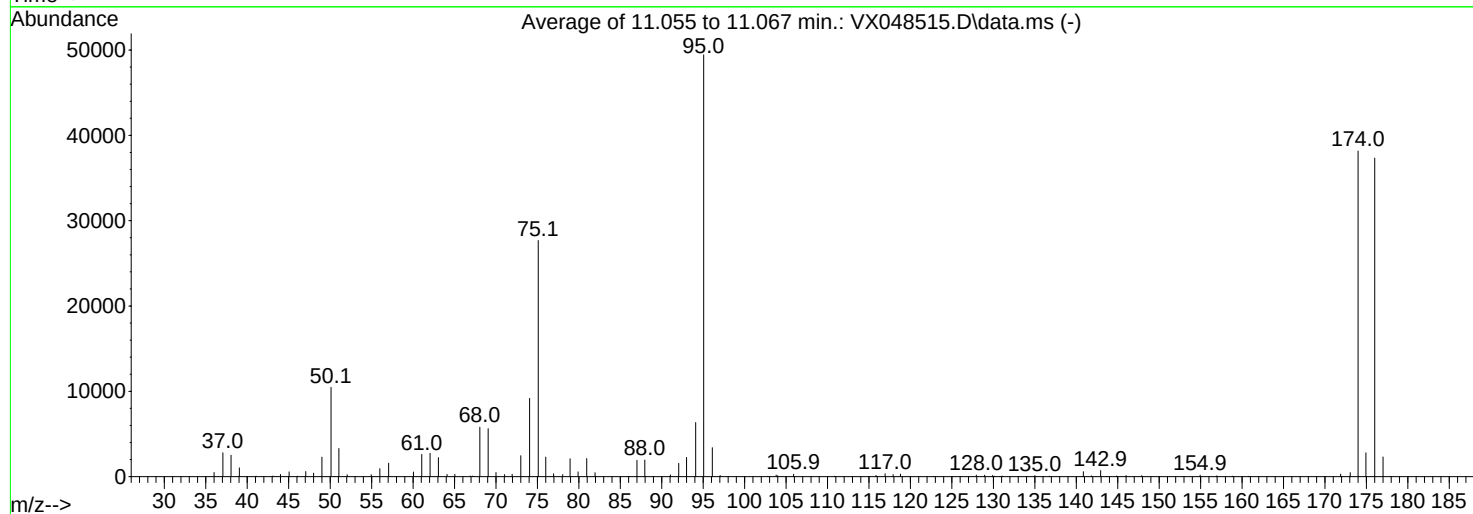
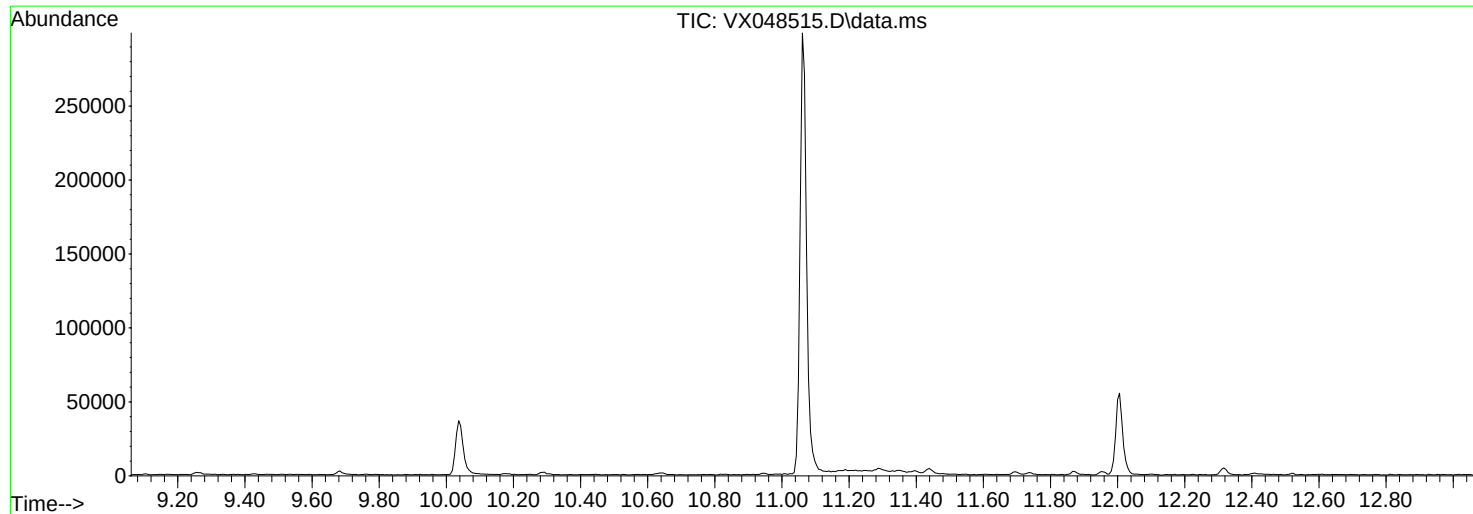
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.5	12690	PASS
75	95	30	60	57.5	31029	PASS
95	95	100	100	100.0	53987	PASS
96	95	5	9	6.1	3298	PASS
173	174	0.00	2	1.2	476	PASS
174	95	50	100	73.1	39440	PASS
175	174	5	9	8.1	3185	PASS
176	174	95	101	96.2	37944	PASS
177	176	5	9	6.9	2603	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048515.D
Acq On : 07 Nov 2025 13:06
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\82X110725W.M
Title : SW846 8260
Last Update : Sat Nov 08 05:08:11 2025



AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1629

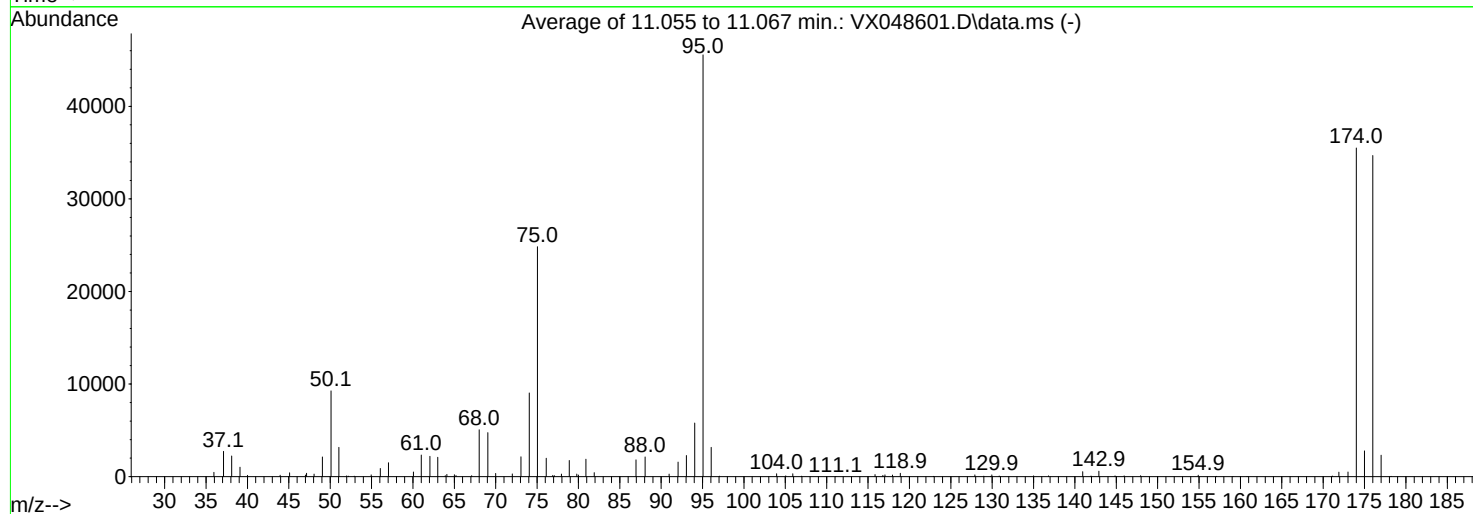
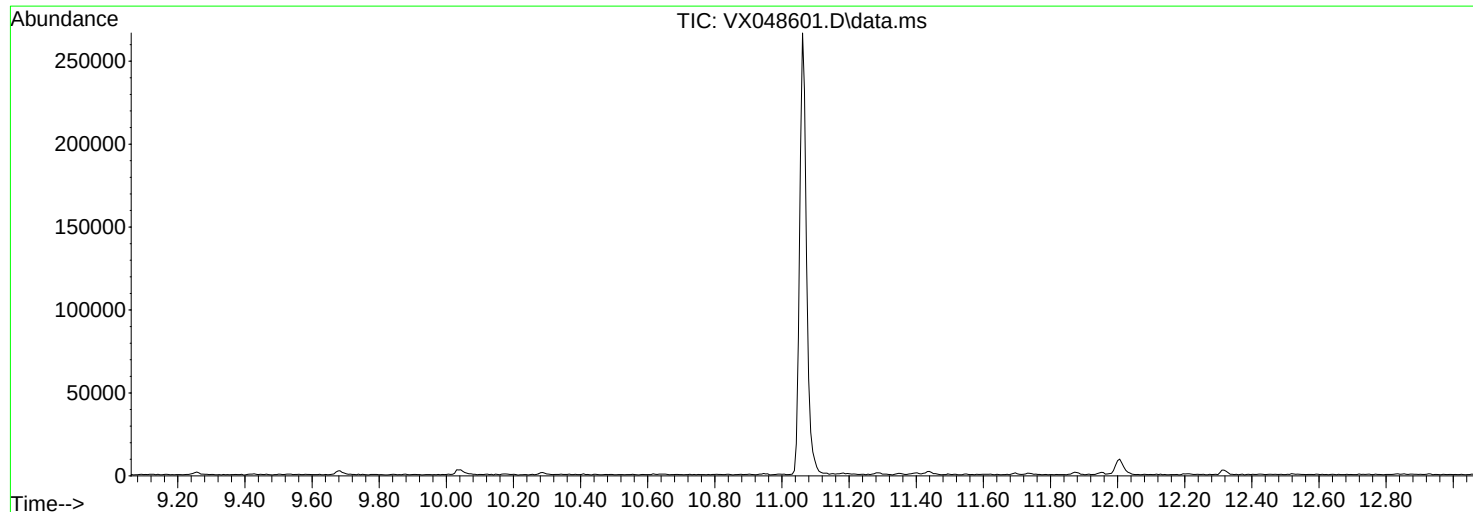
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.2	10458	PASS
75	95	30	60	56.0	27675	PASS
95	95	100	100	100.0	49437	PASS
96	95	5	9	6.8	3386	PASS
173	174	0.00	2	1.2	472	PASS
174	95	50	100	77.2	38160	PASS
175	174	5	9	7.3	2798	PASS
176	174	95	101	97.9	37347	PASS
177	176	5	9	6.2	2308	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111425\
Data File : VX048601.D
Acq On : 14 Nov 2025 08:15
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\82X110725W.M
Title : SW846 8260
Last Update : Sat Nov 08 05:08:11 2025



AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1628

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.4	9273	PASS
75	95	30	60	54.5	24829	PASS
95	95	100	100	100.0	45563	PASS
96	95	5	9	6.9	3161	PASS
173	174	0.00	2	1.4	495	PASS
174	95	50	100	77.9	35504	PASS
175	174	5	9	7.8	2776	PASS
176	174	95	101	97.7	34680	PASS
177	176	5	9	6.7	2315	PASS

Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: VN1117WBL01
 Lab Sample ID: VN1117WBL01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3643
 Matrix: Water
 % Solid: 0
 Test: VOC- Chemtech Full

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.22	U	1	0.22	1.00	ug/L	11/17/25 11:21	VN111725
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/17/25 11:21	VN111725
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/17/25 11:21	VN111725
141-78-6	Ethyl Acetate	0.31	U	1	0.31	1.00	ug/L	11/17/25 11:21	VN111725
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/17/25 11:21	VN111725
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/17/25 11:21	VN111725
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/17/25 11:21	VN111725
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/17/25 11:21	VN111725
75-65-0	Tert butyl alcohol	5.50	U	1	5.50	25.0	ug/L	11/17/25 11:21	VN111725
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/17/25 11:21	VN111725
107-02-8	Acrolein	7.10	U	1	7.10	25.0	ug/L	11/17/25 11:21	VN111725
107-13-1	Acrylonitrile	0.83	U	1	0.83	5.00	ug/L	11/17/25 11:21	VN111725
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/17/25 11:21	VN111725
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/17/25 11:21	VN111725
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/17/25 11:21	VN111725
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/17/25 11:21	VN111725
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/17/25 11:21	VN111725
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/17/25 11:21	VN111725
108-05-4	Vinyl Acetate	0.66	U	1	0.66	5.00	ug/L	11/17/25 11:21	VN111725
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/17/25 11:21	VN111725
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/17/25 11:21	VN111725
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/17/25 11:21	VN111725
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/17/25 11:21	VN111725
594-20-7	2,2-Dichloropropane	0.21	U	1	0.21	1.00	ug/L	11/17/25 11:21	VN111725
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/17/25 11:21	VN111725
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/17/25 11:21	VN111725
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/17/25 11:21	VN111725
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/17/25 11:21	VN111725
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/17/25 11:21	VN111725
563-58-6	1,1-Dichloropropene	0.15	U	1	0.15	1.00	ug/L	11/17/25 11:21	VN111725
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/17/25 11:21	VN111725
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/17/25 11:21	VN111725
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/17/25 11:21	VN111725
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/17/25 11:21	VN111725
74-95-3	Dibromomethane	0.25	U	1	0.25	1.00	ug/L	11/17/25 11:21	VN111725
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/17/25 11:21	VN111725
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/17/25 11:21	VN111725
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/17/25 11:21	VN111725
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/17/25 11:21	VN111725
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/17/25 11:21	VN111725
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/17/25 11:21	VN111725
142-28-9	1,3-Dichloropropane	0.19	U	1	0.19	1.00	ug/L	11/17/25 11:21	VN111725
110-75-8	2-Chloroethyl Vinyl ether	0.30	U	1	0.30	5.00	ug/L	11/17/25 11:21	VN111725

Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: VN1117WBL01
 Lab Sample ID: VN1117WBL01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3643
 Matrix: Water
 % Solid: 0
 Test: VOC- Chemtech Full

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/17/25 11:21	VN111725
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/17/25 11:21	VN111725
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/17/25 11:21	VN111725
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/17/25 11:21	VN111725
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/17/25 11:21	VN111725
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	1	0.19	1.00	ug/L	11/17/25 11:21	VN111725
67-72-1	Hexachloroethane	0.32	U	1	0.32	1.00	ug/L	11/17/25 11:21	VN111725
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/17/25 11:21	VN111725
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/17/25 11:21	VN111725
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/17/25 11:21	VN111725
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/17/25 11:21	VN111725
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/17/25 11:21	VN111725
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	11/17/25 11:21	VN111725
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/17/25 11:21	VN111725
96-18-4	1,2,3-Trichloropropane	0.35	U	1	0.35	1.00	ug/L	11/17/25 11:21	VN111725
108-86-1	Bromobenzene	0.24	U	1	0.24	1.00	ug/L	11/17/25 11:21	VN111725
103-65-1	n-propylbenzene	0.13	U	1	0.13	1.00	ug/L	11/17/25 11:21	VN111725
95-49-8	2-Chlorotoluene	0.14	U	1	0.14	1.00	ug/L	11/17/25 11:21	VN111725
108-67-8	1,3,5-Trimethylbenzene	0.15	U	1	0.15	1.00	ug/L	11/17/25 11:21	VN111725
106-43-4	4-Chlorotoluene	0.13	U	1	0.13	1.00	ug/L	11/17/25 11:21	VN111725
98-06-6	tert-Butylbenzene	0.14	U	1	0.14	1.00	ug/L	11/17/25 11:21	VN111725
95-63-6	1,2,4-Trimethylbenzene	0.14	U	1	0.14	1.00	ug/L	11/17/25 11:21	VN111725
135-98-8	sec-Butylbenzene	0.13	U	1	0.13	1.00	ug/L	11/17/25 11:21	VN111725
99-87-6	p-Isopropyltoluene	0.13	U	1	0.13	1.00	ug/L	11/17/25 11:21	VN111725
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/17/25 11:21	VN111725
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/17/25 11:21	VN111725
104-51-8	n-Butylbenzene	0.15	U	1	0.15	1.00	ug/L	11/17/25 11:21	VN111725
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/17/25 11:21	VN111725
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/17/25 11:21	VN111725
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/17/25 11:21	VN111725
87-68-3	Hexachlorobutadiene	0.30	U	1	0.30	1.00	ug/L	11/17/25 11:21	VN111725
91-20-3	Naphthalene	0.20	U	1	0.20	1.00	ug/L	11/17/25 11:21	VN111725
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/17/25 11:21	VN111725

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	61.1		74 - 125	122%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	45.7		86 - 113	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		77 - 121	97%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	219000
540-36-3	1,4-Difluorobenzene	509000
3114-55-4	Chlorobenzene-d5	502000
3855-82-1	1,4-Dichlorobenzene-d4	239000



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

Report of Analysis

Client: Chemtech Consulting Group

Project: Weekly Storage Blanks

Client Sample ID: VN1117WBL01

Lab Sample ID: VN1117WBL01

Analytical Method: 8260D

Sample Wt/Vol: 5 mL

Level: LOW

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3643

Matrix: Water

% Solid: 0

Test: VOC- Chemtech Full

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
------------	-----------	-------	------	----	-----	------------	-------	-----------	---------

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_N\Data\VN111725\
Data File : VN088294.D
Acq On : 17 Nov 2025 11:21
Operator : JC\MD
Sample : VN1117WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBL01

Quant Time: Nov 18 02:56:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 03 01:16:06 2025
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	219462	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	508968	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	502457	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	238738	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	231765	61.072	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	122.140%
35) Dibromofluoromethane	8.147	113	171933	50.283	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.560%
50) Toluene-d8	10.541	98	602307	45.716	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.440%
62) 4-Bromofluorobenzene	12.829	95	225600	48.486	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.980%

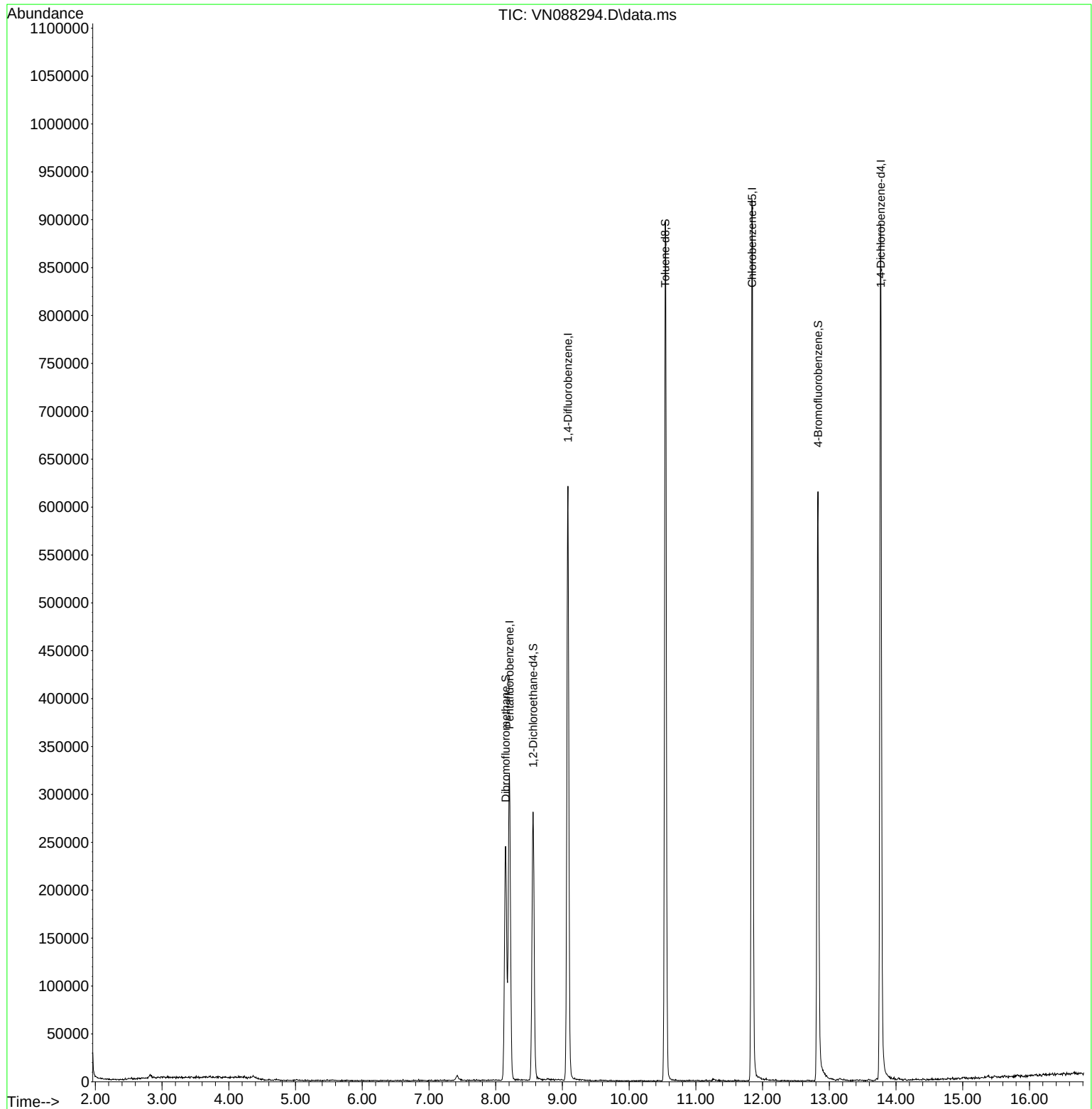
Target Compounds	Qvalue

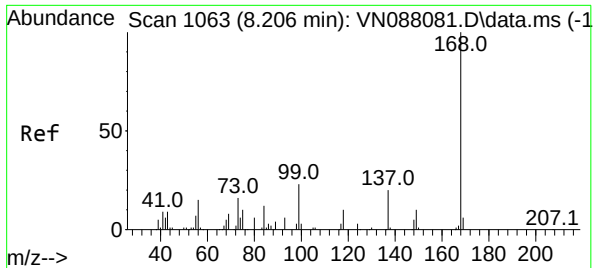
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111725\
Data File : VN088294.D
Acq On : 17 Nov 2025 11:21
Operator : JC\MD
Sample : VN1117WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBL01

Quant Time: Nov 18 02:56:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 03 01:16:06 2025
Response via : Initial Calibration

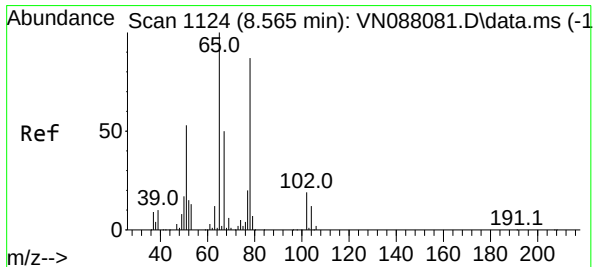
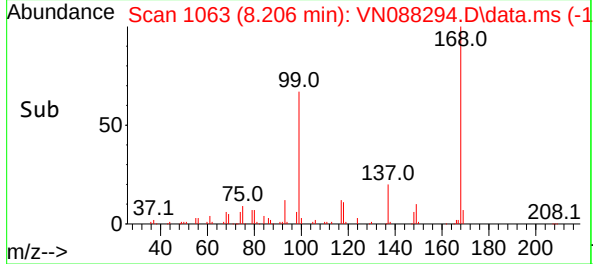
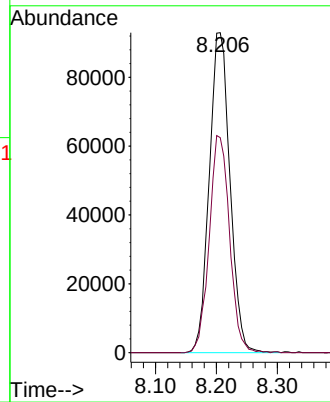
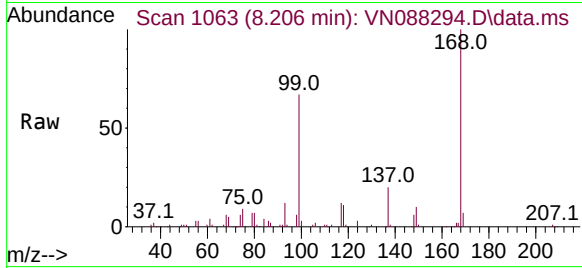




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088294.D
Acq: 17 Nov 2025 11:21

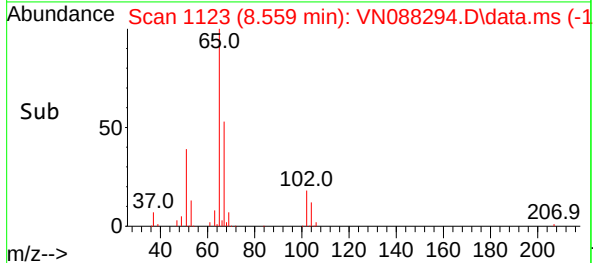
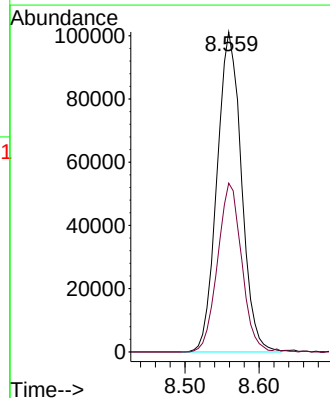
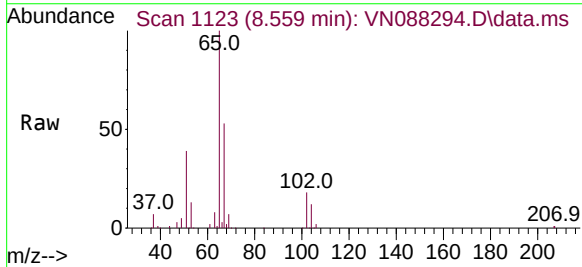
Instrument :
MSVOA_N
ClientSampleId :
VN1117WBL01

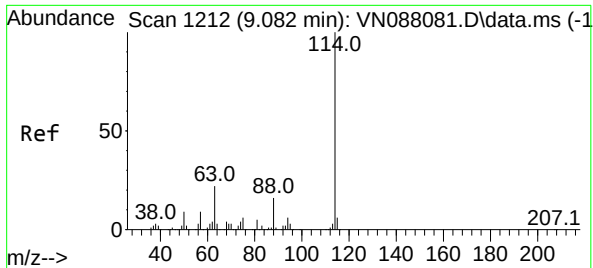
Tgt Ion:168 Resp: 219462
Ion Ratio Lower Upper
168 100
99 67.2 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 61.072 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088294.D
Acq: 17 Nov 2025 11:21

Tgt Ion: 65 Resp: 231765
Ion Ratio Lower Upper
65 100
67 51.9 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN088294.D

Acq: 17 Nov 2025 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1117WBL01

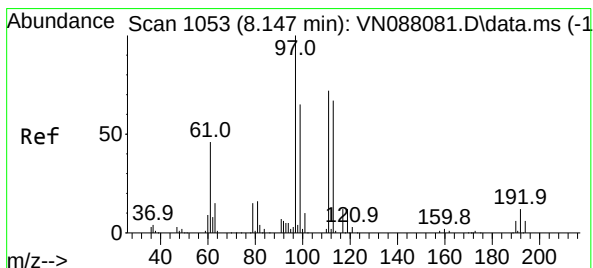
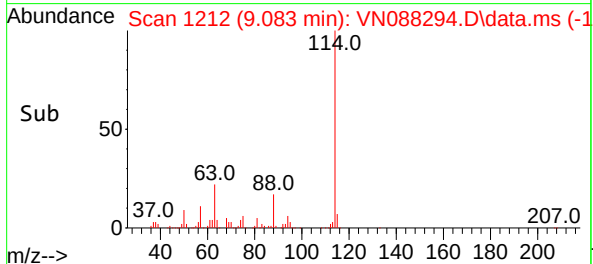
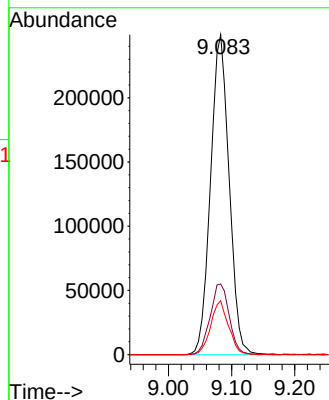
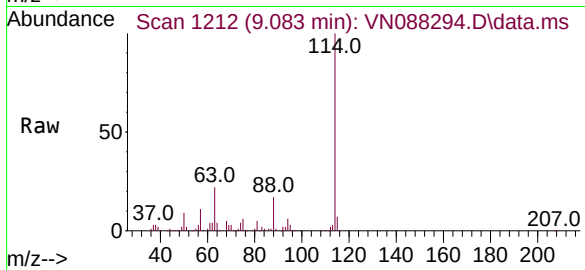
Tgt Ion:114 Resp: 508968

Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.2

88 16.8 0.0 33.4



#35

Dibromofluoromethane

Concen: 50.283 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088294.D

Acq: 17 Nov 2025 11:21

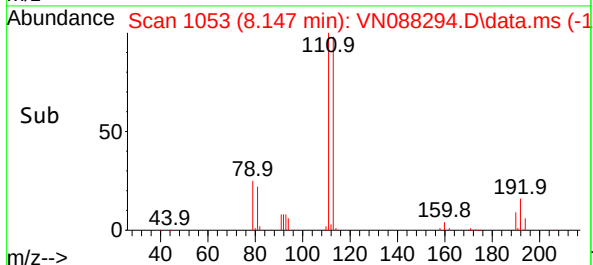
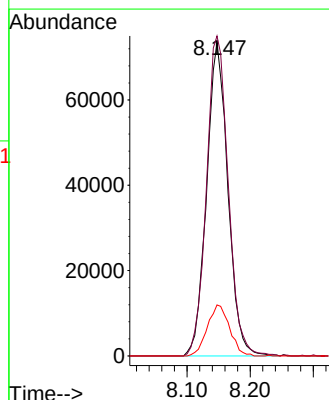
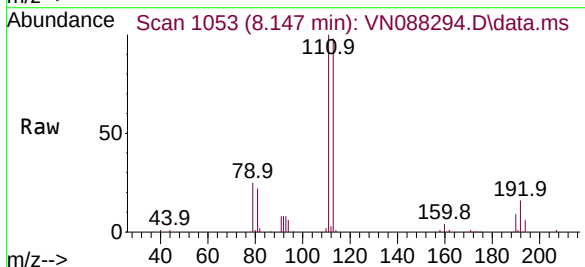
Tgt Ion:113 Resp: 171933

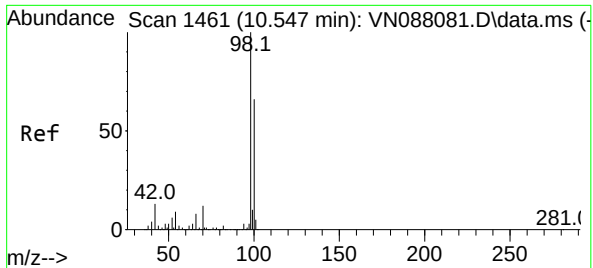
Ion Ratio Lower Upper

113 100

111 104.6 82.8 124.2

192 17.0 12.8 19.2

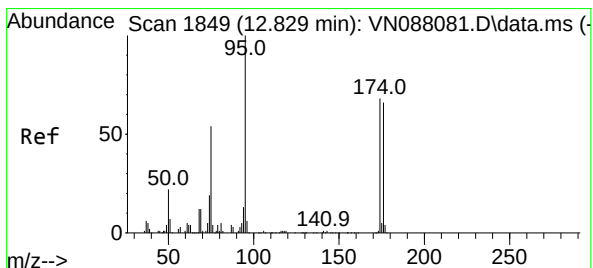
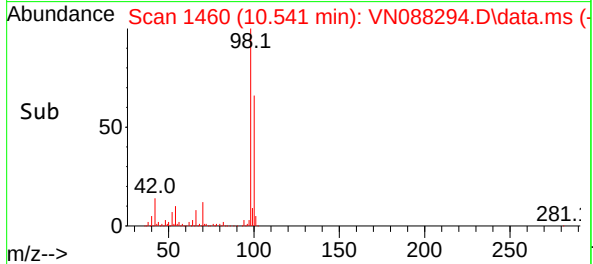
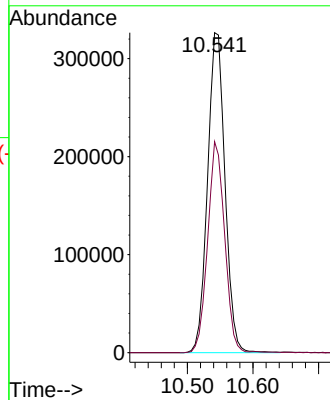
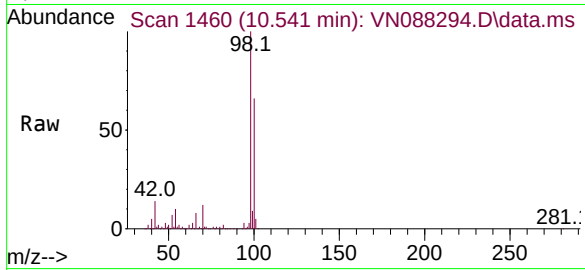




#50
Toluene-d8
Concen: 45.716 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088294.D
Acq: 17 Nov 2025 11:21

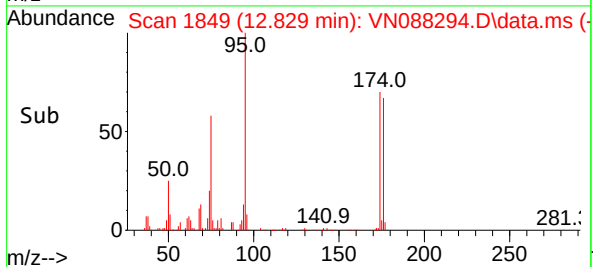
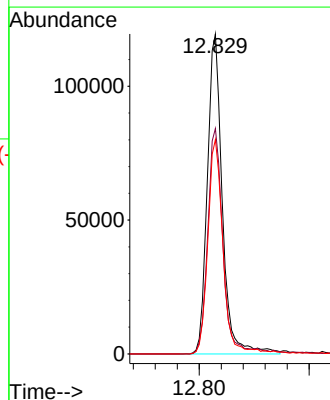
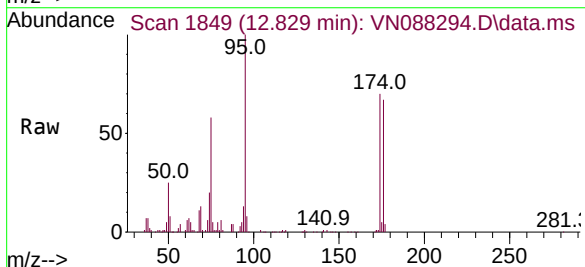
Instrument :
MSVOA_N
ClientSampleId :
VN1117WBL01

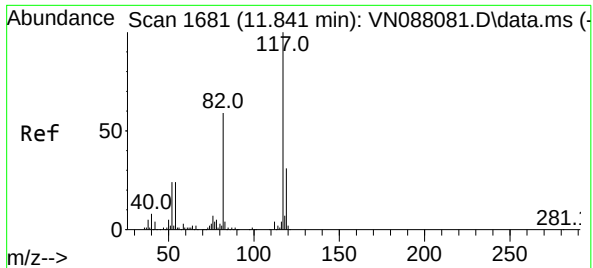
Tgt Ion: 98 Resp: 602307
Ion Ratio Lower Upper
98 100
100 64.0 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 48.486 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088294.D
Acq: 17 Nov 2025 11:21

Tgt Ion: 95 Resp: 225600
Ion Ratio Lower Upper
95 100
174 71.1 0.0 138.4
176 68.1 0.0 132.6

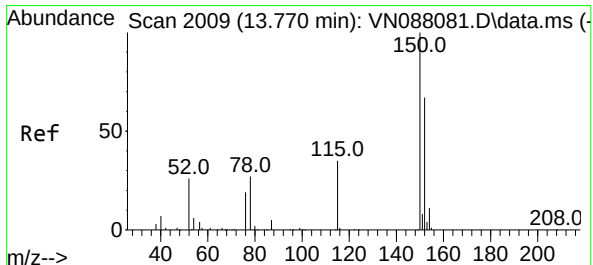
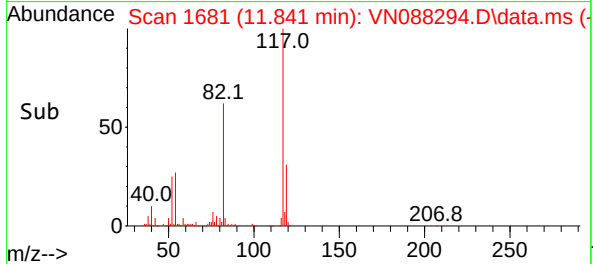
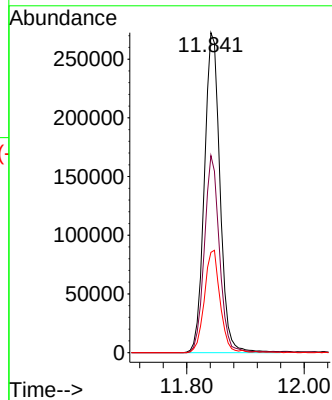
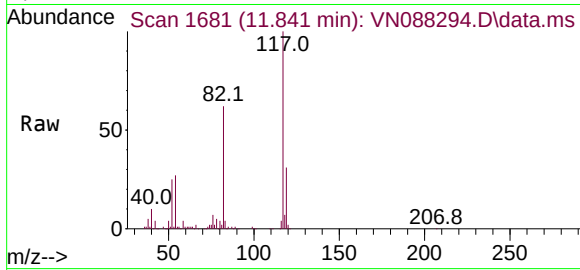




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VN088294.D
Acq: 17 Nov 2025 11:21

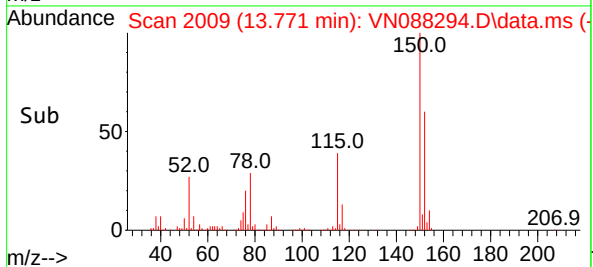
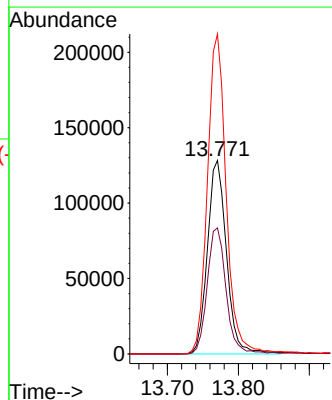
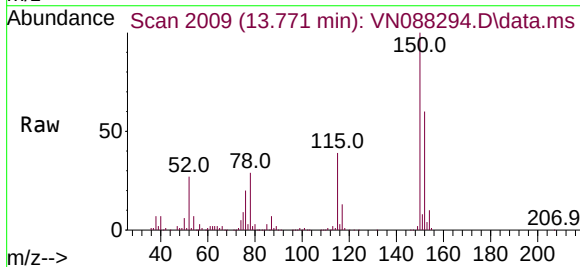
Instrument :
MSVOA_N
ClientSampleId :
VN1117WBL01

Tgt Ion:117 Resp: 502457
Ion Ratio Lower Upper
117 100
82 61.6 47.4 71.2
119 31.3 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088294.D
Acq: 17 Nov 2025 11:21

Tgt Ion:152 Resp: 238738
Ion Ratio Lower Upper
152 100
115 64.5 32.3 96.8
150 163.3 0.0 351.0



Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: VX1114WBL01
 Lab Sample ID: VX1114WBL01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3643
 Matrix: Water
 % Solid: 0
 Test: VOC- Chemtech Full

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.22	U	1	0.22	1.00	ug/L	11/14/25 11:39	VX111425
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/14/25 11:39	VX111425
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/14/25 11:39	VX111425
141-78-6	Ethyl Acetate	0.31	U	1	0.31	1.00	ug/L	11/14/25 11:39	VX111425
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/14/25 11:39	VX111425
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/14/25 11:39	VX111425
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/14/25 11:39	VX111425
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/14/25 11:39	VX111425
75-65-0	Tert butyl alcohol	5.50	U	1	5.50	25.0	ug/L	11/14/25 11:39	VX111425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/14/25 11:39	VX111425
107-02-8	Acrolein	7.10	U	1	7.10	25.0	ug/L	11/14/25 11:39	VX111425
107-13-1	Acrylonitrile	0.83	U	1	0.83	5.00	ug/L	11/14/25 11:39	VX111425
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/14/25 11:39	VX111425
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/14/25 11:39	VX111425
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/14/25 11:39	VX111425
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/14/25 11:39	VX111425
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/14/25 11:39	VX111425
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/14/25 11:39	VX111425
108-05-4	Vinyl Acetate	0.66	U	1	0.66	5.00	ug/L	11/14/25 11:39	VX111425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/14/25 11:39	VX111425
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/14/25 11:39	VX111425
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/14/25 11:39	VX111425
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/14/25 11:39	VX111425
594-20-7	2,2-Dichloropropane	0.21	U	1	0.21	1.00	ug/L	11/14/25 11:39	VX111425
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/14/25 11:39	VX111425
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/14/25 11:39	VX111425
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/14/25 11:39	VX111425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/14/25 11:39	VX111425
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/14/25 11:39	VX111425
563-58-6	1,1-Dichloropropene	0.15	U	1	0.15	1.00	ug/L	11/14/25 11:39	VX111425
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/14/25 11:39	VX111425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/14/25 11:39	VX111425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/14/25 11:39	VX111425
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/14/25 11:39	VX111425
74-95-3	Dibromomethane	0.25	U	1	0.25	1.00	ug/L	11/14/25 11:39	VX111425
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/14/25 11:39	VX111425
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/14/25 11:39	VX111425
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/14/25 11:39	VX111425
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/14/25 11:39	VX111425
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/14/25 11:39	VX111425
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/14/25 11:39	VX111425
142-28-9	1,3-Dichloropropane	0.19	U	1	0.19	1.00	ug/L	11/14/25 11:39	VX111425
110-75-8	2-Chloroethyl Vinyl ether	0.30	U	1	0.30	5.00	ug/L	11/14/25 11:39	VX111425

Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: VX1114WBL01
 Lab Sample ID: VX1114WBL01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3643
 Matrix: Water
 % Solid: 0
 Test: VOC- Chemtech Full

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/14/25 11:39	VX111425
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/14/25 11:39	VX111425
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/14/25 11:39	VX111425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/14/25 11:39	VX111425
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/14/25 11:39	VX111425
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	1	0.19	1.00	ug/L	11/14/25 11:39	VX111425
67-72-1	Hexachloroethane	0.32	U	1	0.32	1.00	ug/L	11/14/25 11:39	VX111425
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/14/25 11:39	VX111425
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/14/25 11:39	VX111425
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/14/25 11:39	VX111425
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/14/25 11:39	VX111425
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/14/25 11:39	VX111425
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	11/14/25 11:39	VX111425
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/14/25 11:39	VX111425
96-18-4	1,2,3-Trichloropropane	0.35	U	1	0.35	1.00	ug/L	11/14/25 11:39	VX111425
108-86-1	Bromobenzene	0.24	U	1	0.24	1.00	ug/L	11/14/25 11:39	VX111425
103-65-1	n-propylbenzene	0.13	U	1	0.13	1.00	ug/L	11/14/25 11:39	VX111425
95-49-8	2-Chlorotoluene	0.14	U	1	0.14	1.00	ug/L	11/14/25 11:39	VX111425
108-67-8	1,3,5-Trimethylbenzene	0.15	U	1	0.15	1.00	ug/L	11/14/25 11:39	VX111425
106-43-4	4-Chlorotoluene	0.13	U	1	0.13	1.00	ug/L	11/14/25 11:39	VX111425
98-06-6	tert-Butylbenzene	0.14	U	1	0.14	1.00	ug/L	11/14/25 11:39	VX111425
95-63-6	1,2,4-Trimethylbenzene	0.14	U	1	0.14	1.00	ug/L	11/14/25 11:39	VX111425
135-98-8	sec-Butylbenzene	0.13	U	1	0.13	1.00	ug/L	11/14/25 11:39	VX111425
99-87-6	p-Isopropyltoluene	0.13	U	1	0.13	1.00	ug/L	11/14/25 11:39	VX111425
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/14/25 11:39	VX111425
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/14/25 11:39	VX111425
104-51-8	n-Butylbenzene	0.15	U	1	0.15	1.00	ug/L	11/14/25 11:39	VX111425
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/14/25 11:39	VX111425
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/14/25 11:39	VX111425
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/14/25 11:39	VX111425
87-68-3	Hexachlorobutadiene	0.30	U	1	0.30	1.00	ug/L	11/14/25 11:39	VX111425
91-20-3	Naphthalene	0.20	U	1	0.20	1.00	ug/L	11/14/25 11:39	VX111425
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/14/25 11:39	VX111425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	58.2		74 - 125	116%	SPK: 50
1868-53-7	Dibromofluoromethane	43.8		75 - 124	88%	SPK: 50
2037-26-5	Toluene-d8	49.2		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.9		77 - 121	112%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	149000
540-36-3	1,4-Difluorobenzene	302000
3114-55-4	Chlorobenzene-d5	368000
3855-82-1	1,4-Dichlorobenzene-d4	167000



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

Report of Analysis

Client: Chemtech Consulting Group

Project: Weekly Storage Blanks

Client Sample ID: VX1114WBL01

Lab Sample ID: VX1114WBL01

Analytical Method: 8260D

Sample Wt/Vol: 5 mL

Level: LOW

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3643

Matrix: Water

% Solid: 0

Test: VOC- Chemtech Full

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
------------	-----------	-------	------	----	-----	------------	-------	-----------	---------

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\VX111425\
 Data File : VX048604.D
 Acq On : 14 Nov 2025 11:39
 Operator : JC/MD
 Sample : VX1114WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114WBL01

Quant Time: Nov 14 22:18:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	149161	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	302183	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	367753	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	166817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	121003	58.218	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 116.440%	
35) Dibromofluoromethane	5.379	113	100133	43.781	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 87.560%	
50) Toluene-d8	8.635	98	350615	49.153	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.300%	
62) 4-Bromofluorobenzene	11.061	95	148553	55.883	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 111.760%	

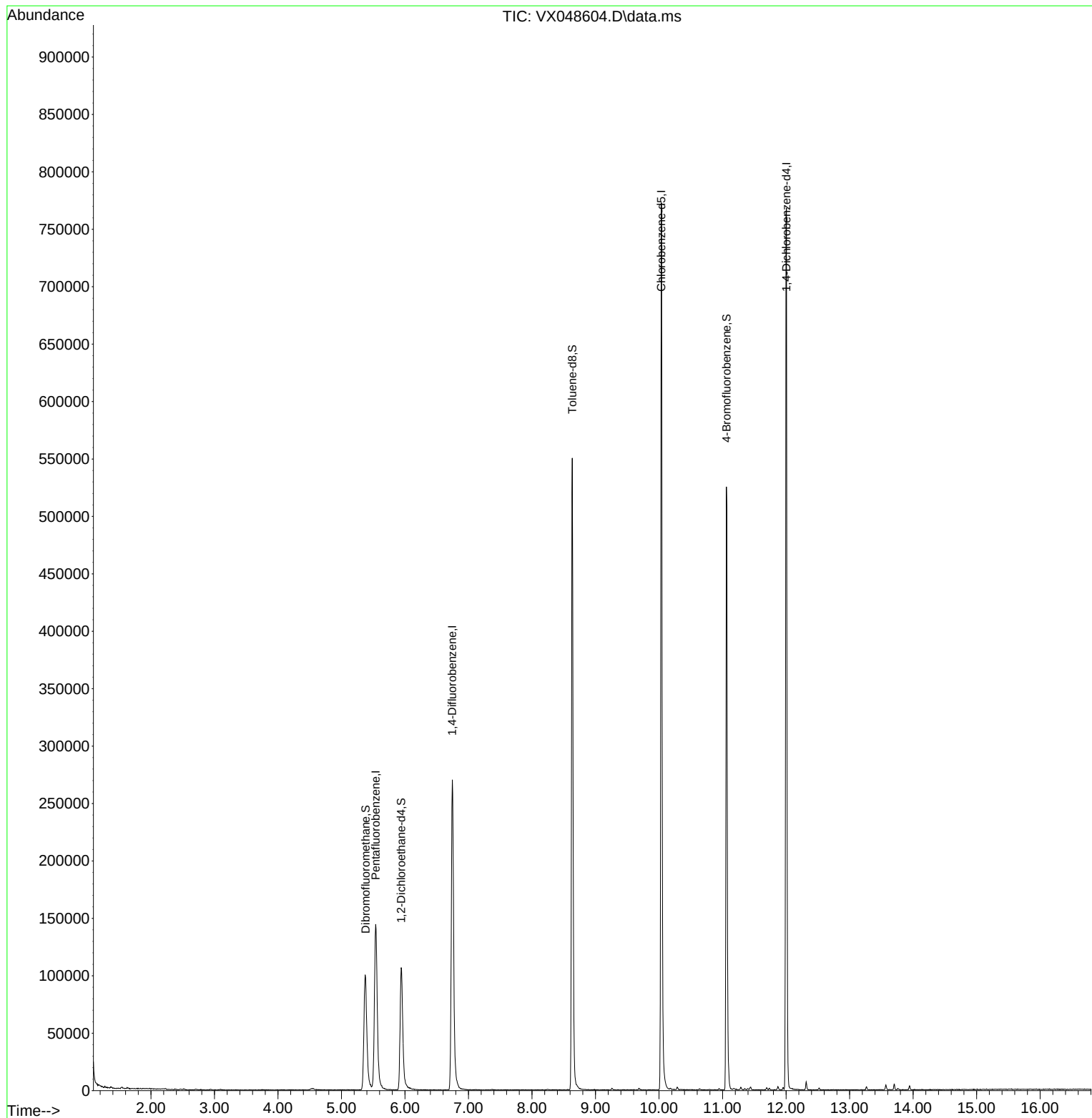
Target Compounds	Qvalue

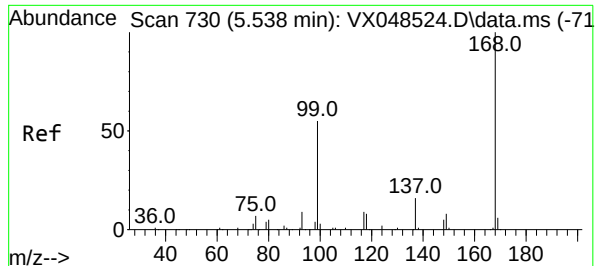
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111425\
Data File : VX048604.D
Acq On : 14 Nov 2025 11:39
Operator : JC/MD
Sample : VX1114WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1114WBL01

Quant Time: Nov 14 22:18:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

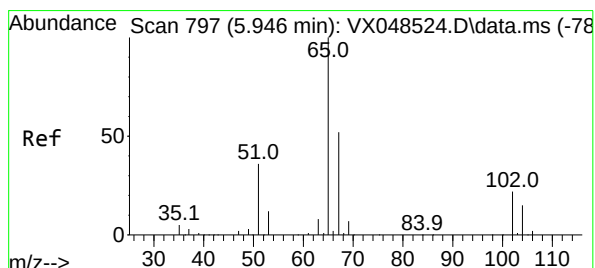
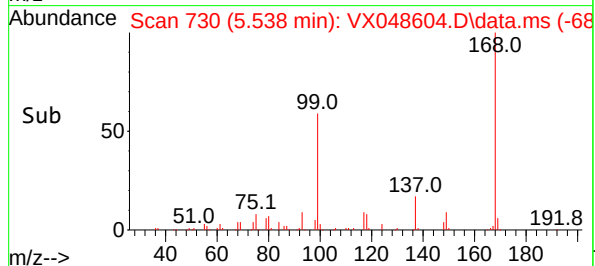
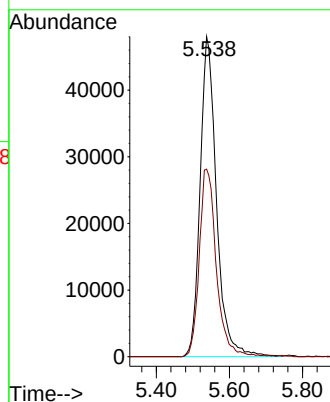
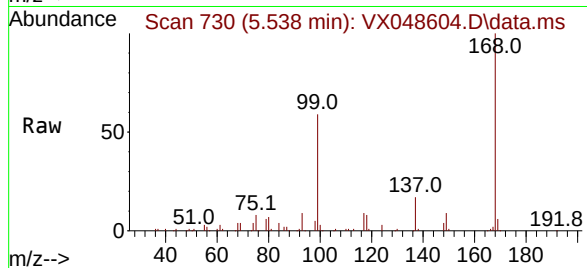




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048604.D
Acq: 14 Nov 2025 11:39

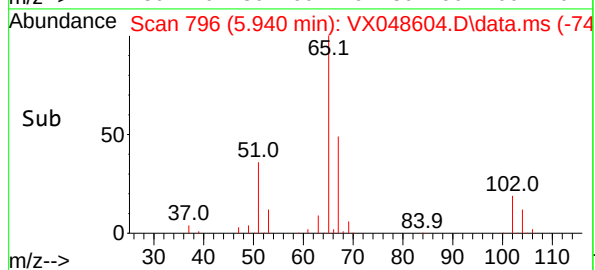
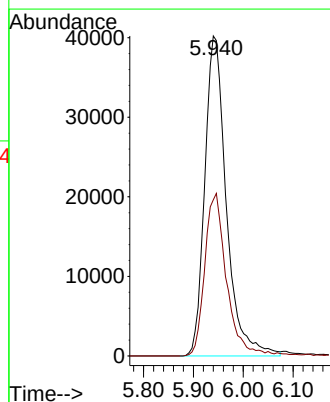
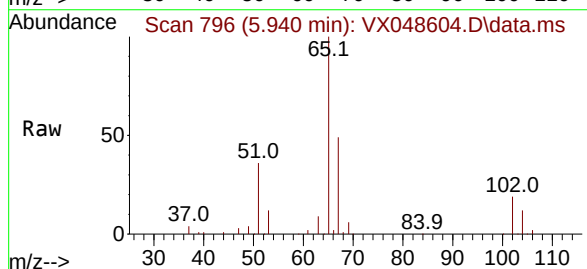
Instrument :
MSVOA_X
ClientSampleId :
VX1114WBL01

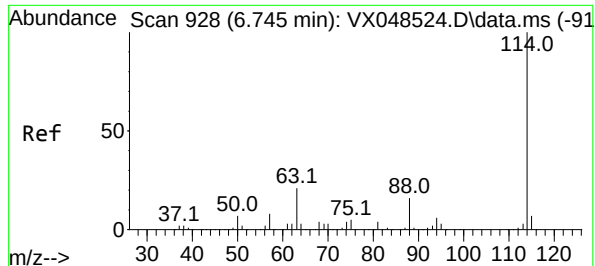
Tgt Ion:168 Resp: 149161
Ion Ratio Lower Upper
168 100
99 58.6 45.2 67.8



#33
1,2-Dichloroethane-d4
Concen: 58.218 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.006 min
Lab File: VX048604.D
Acq: 14 Nov 2025 11:39

Tgt Ion: 65 Resp: 121003
Ion Ratio Lower Upper
65 100
67 50.9 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX048604.D

Acq: 14 Nov 2025 11:39

Instrument :

MSVOA_X

ClientSampleId :

VX1114WBL01

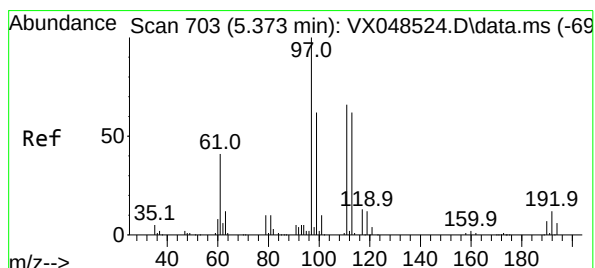
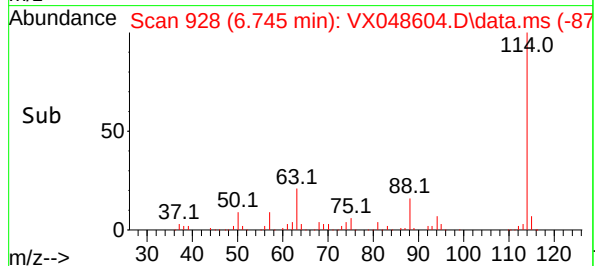
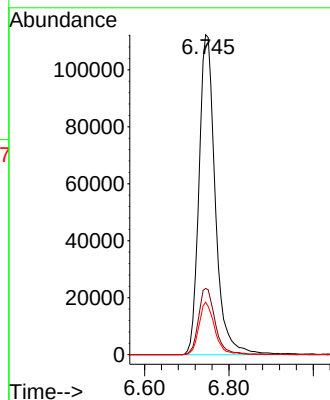
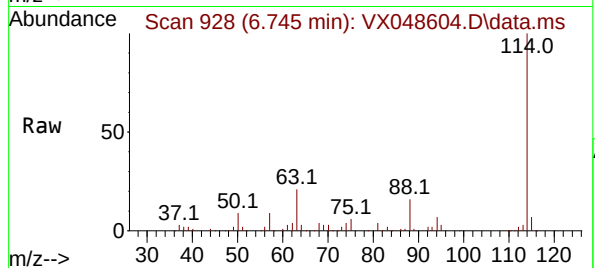
Tgt Ion:114 Resp: 302183

Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.2

88 16.4 0.0 32.2



#35

Dibromofluoromethane

Concen: 43.781 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX048604.D

Acq: 14 Nov 2025 11:39

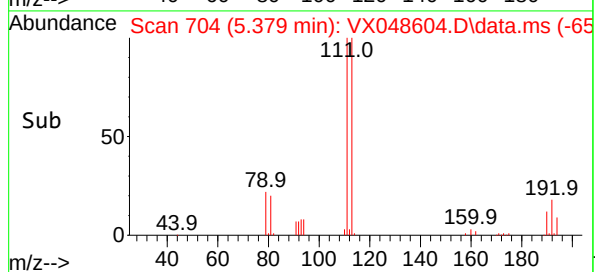
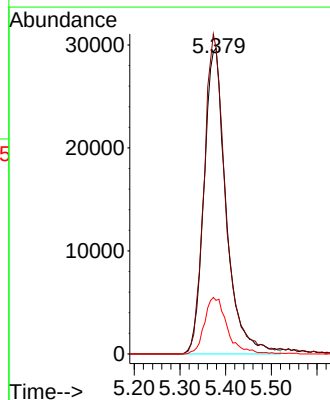
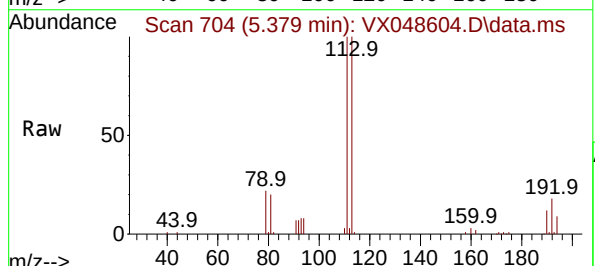
Tgt Ion:113 Resp: 100133

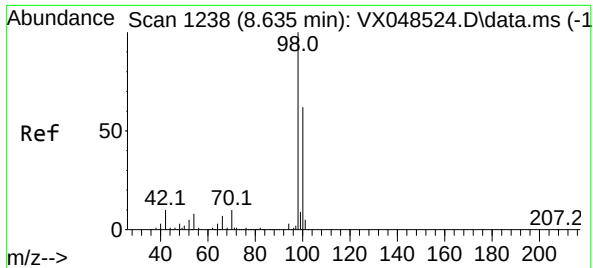
Ion Ratio Lower Upper

113 100

111 101.9 81.9 122.9

192 18.9 15.8 23.6

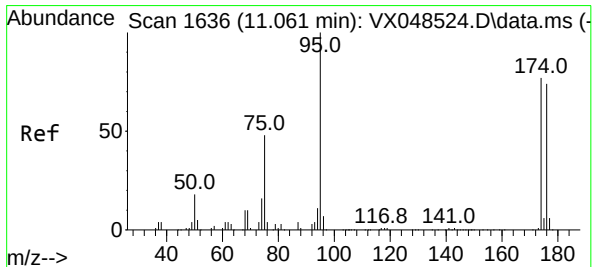
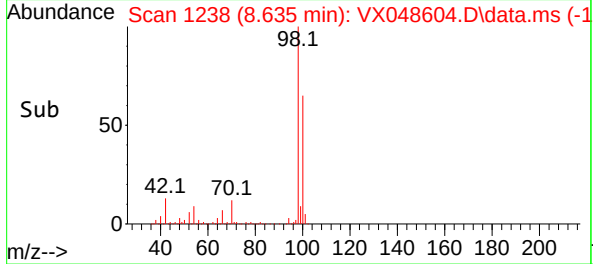
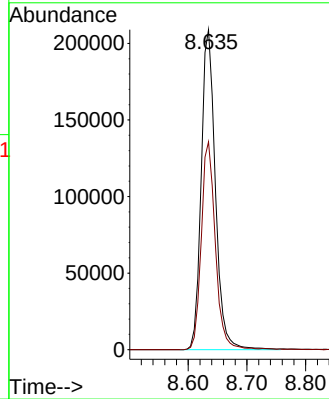
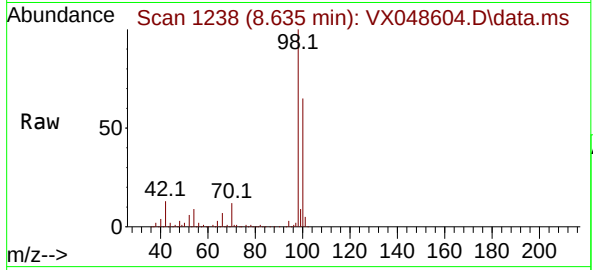




#50
Toluene-d8
Concen: 49.153 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048604.D
Acq: 14 Nov 2025 11:39

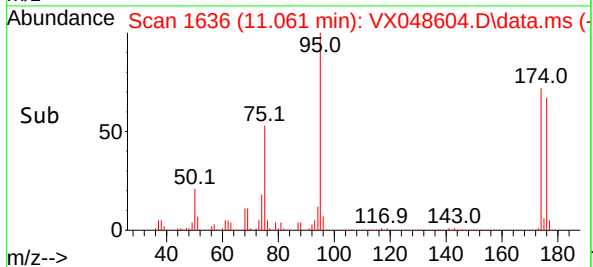
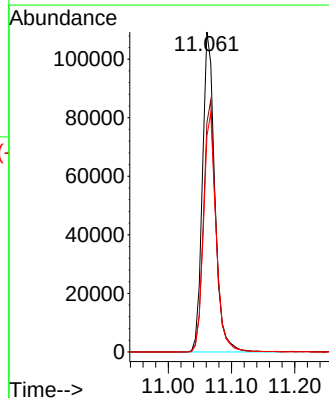
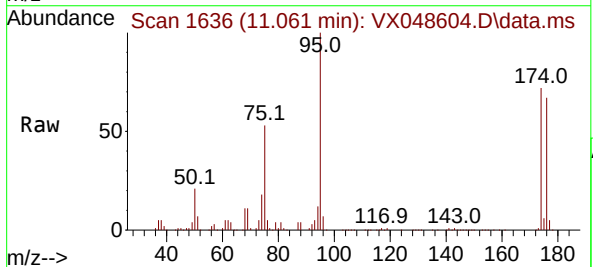
Instrument :
MSVOA_X
ClientSampleId :
VX1114WBL01

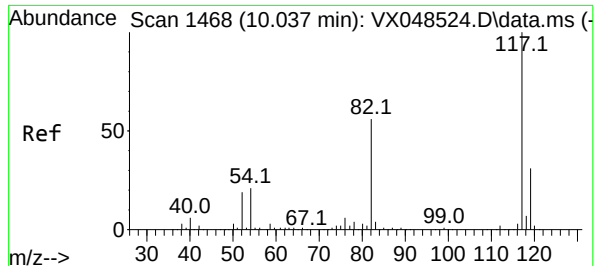
Tgt Ion: 98 Resp: 350615
Ion Ratio Lower Upper
98 100
100 64.3 53.6 80.4



#62
4-Bromofluorobenzene
Concen: 55.883 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048604.D
Acq: 14 Nov 2025 11:39

Tgt Ion: 95 Resp: 148553
Ion Ratio Lower Upper
95 100
174 79.6 0.0 161.8
176 76.0 0.0 153.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048604.D

Acq: 14 Nov 2025 11:39

Instrument :

MSVOA_X

ClientSampleId :

VX1114WBL01

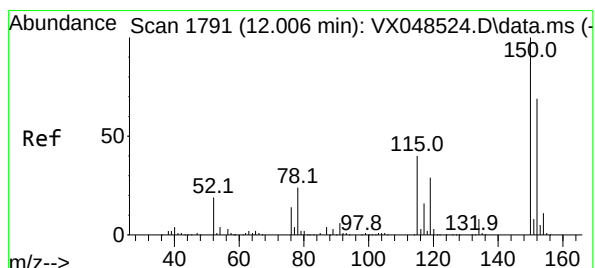
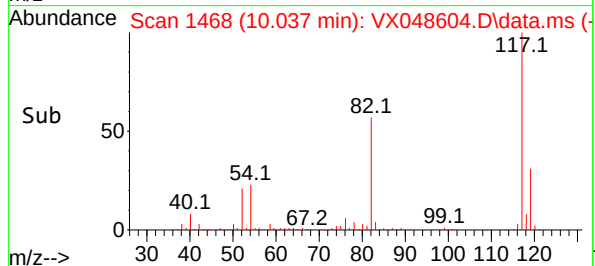
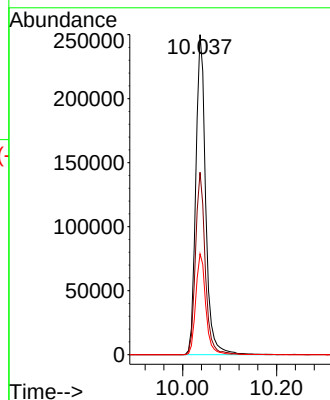
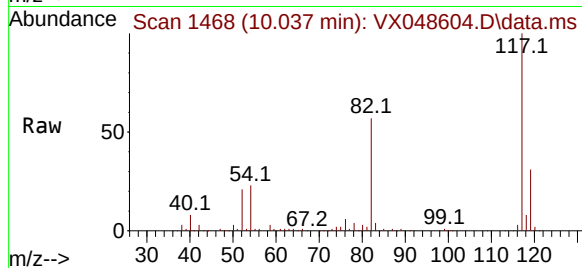
Tgt Ion:117 Resp: 367753

Ion Ratio Lower Upper

117 100

82 57.0 44.4 66.6

119 31.5 25.1 37.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048604.D

Acq: 14 Nov 2025 11:39

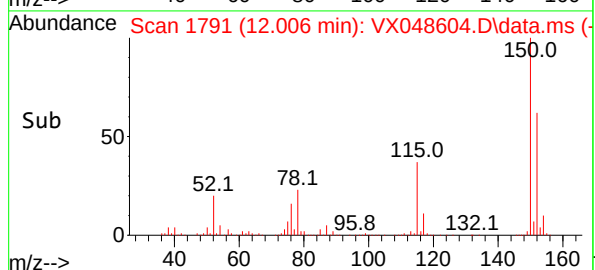
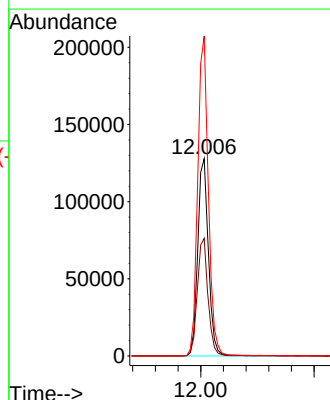
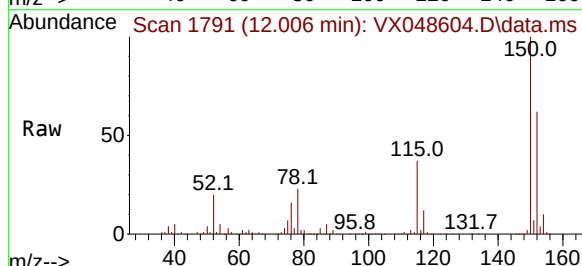
Tgt Ion:152 Resp: 166817

Ion Ratio Lower Upper

152 100

115 59.6 39.2 117.6

150 161.5 0.0 347.0



Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: VN1117WBS01
 Lab Sample ID: VN1117WBS01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3643
 Matrix: Water
 % Solid: 0
 Test: VOC- Chemtech Full

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	17.9		1	0.22	1.00	ug/L	11/17/25 11:41	VN111725
74-87-3	Chloromethane	20.5		1	0.32	1.00	ug/L	11/17/25 11:41	VN111725
75-01-4	Vinyl Chloride	19.0		1	0.26	1.00	ug/L	11/17/25 11:41	VN111725
141-78-6	Ethyl Acetate	21.9		1	0.31	1.00	ug/L	11/17/25 11:41	VN111725
74-83-9	Bromomethane	20.5		1	1.40	5.00	ug/L	11/17/25 11:41	VN111725
75-00-3	Chloroethane	19.0		1	0.47	1.00	ug/L	11/17/25 11:41	VN111725
75-69-4	Trichlorofluoromethane	17.9		1	0.33	1.00	ug/L	11/17/25 11:41	VN111725
76-13-1	1,1,2-Trichlorotrifluoroethane	19.8		1	0.25	1.00	ug/L	11/17/25 11:41	VN111725
75-65-0	Tert butyl alcohol	110		1	5.50	25.0	ug/L	11/17/25 11:41	VN111725
75-35-4	1,1-Dichloroethene	17.3		1	0.23	1.00	ug/L	11/17/25 11:41	VN111725
107-02-8	Acrolein	99.3		1	7.10	25.0	ug/L	11/17/25 11:41	VN111725
107-13-1	Acrylonitrile	120		1	0.83	5.00	ug/L	11/17/25 11:41	VN111725
67-64-1	Acetone	110		1	1.50	5.00	ug/L	11/17/25 11:41	VN111725
75-15-0	Carbon Disulfide	17.6		1	0.21	1.00	ug/L	11/17/25 11:41	VN111725
1634-04-4	Methyl tert-butyl Ether	21.8		1	0.16	1.00	ug/L	11/17/25 11:41	VN111725
79-20-9	Methyl Acetate	26.4		1	0.27	1.00	ug/L	11/17/25 11:41	VN111725
75-09-2	Methylene Chloride	21.5		1	0.28	1.00	ug/L	11/17/25 11:41	VN111725
156-60-5	trans-1,2-Dichloroethene	20.1		1	0.23	1.00	ug/L	11/17/25 11:41	VN111725
108-05-4	Vinyl Acetate	110		1	0.66	5.00	ug/L	11/17/25 11:41	VN111725
75-34-3	1,1-Dichloroethane	22.9		1	0.23	1.00	ug/L	11/17/25 11:41	VN111725
110-82-7	Cyclohexane	18.6		1	1.50	5.00	ug/L	11/17/25 11:41	VN111725
78-93-3	2-Butanone	120		1	0.98	5.00	ug/L	11/17/25 11:41	VN111725
56-23-5	Carbon Tetrachloride	21.2		1	0.25	1.00	ug/L	11/17/25 11:41	VN111725
594-20-7	2,2-Dichloropropane	21.5		1	0.21	1.00	ug/L	11/17/25 11:41	VN111725
156-59-2	cis-1,2-Dichloroethene	21.8		1	0.19	1.00	ug/L	11/17/25 11:41	VN111725
74-97-5	Bromochloromethane	30.0		1	0.22	1.00	ug/L	11/17/25 11:41	VN111725
67-66-3	Chloroform	23.9		1	0.25	1.00	ug/L	11/17/25 11:41	VN111725
71-55-6	1,1,1-Trichloroethane	21.4		1	0.20	1.00	ug/L	11/17/25 11:41	VN111725
108-87-2	Methylcyclohexane	15.7		1	0.16	1.00	ug/L	11/17/25 11:41	VN111725
563-58-6	1,1-Dichloropropene	20.2		1	0.15	1.00	ug/L	11/17/25 11:41	VN111725
71-43-2	Benzene	21.9		1	0.15	1.00	ug/L	11/17/25 11:41	VN111725
107-06-2	1,2-Dichloroethane	24.0		1	0.22	1.00	ug/L	11/17/25 11:41	VN111725
79-01-6	Trichloroethene	20.6		1	0.090	1.00	ug/L	11/17/25 11:41	VN111725
78-87-5	1,2-Dichloropropane	23.3		1	0.20	1.00	ug/L	11/17/25 11:41	VN111725
74-95-3	Dibromomethane	23.6		1	0.25	1.00	ug/L	11/17/25 11:41	VN111725
75-27-4	Bromodichloromethane	23.4		1	0.22	1.00	ug/L	11/17/25 11:41	VN111725
108-10-1	4-Methyl-2-Pentanone	120		1	0.68	5.00	ug/L	11/17/25 11:41	VN111725
108-88-3	Toluene	20.9		1	0.14	1.00	ug/L	11/17/25 11:41	VN111725
10061-02-6	t-1,3-Dichloropropene	22.7		1	0.17	1.00	ug/L	11/17/25 11:41	VN111725
10061-01-5	cis-1,3-Dichloropropene	22.6		1	0.16	1.00	ug/L	11/17/25 11:41	VN111725
79-00-5	1,1,2-Trichloroethane	23.2		1	0.21	1.00	ug/L	11/17/25 11:41	VN111725
142-28-9	1,3-Dichloropropane	23.0		1	0.19	1.00	ug/L	11/17/25 11:41	VN111725
110-75-8	2-Chloroethyl Vinyl ether	120		1	0.30	5.00	ug/L	11/17/25 11:41	VN111725

Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: VN1117WBS01
 Lab Sample ID: VN1117WBS01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3643
 Matrix: Water
 % Solid: 0
 Test: VOC- Chemtech Full

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
591-78-6	2-Hexanone	120		1	0.89	5.00	ug/L	11/17/25 11:41	VN111725
124-48-1	Dibromochloromethane	23.4		1	0.18	1.00	ug/L	11/17/25 11:41	VN111725
106-93-4	1,2-Dibromoethane	22.0		1	0.15	1.00	ug/L	11/17/25 11:41	VN111725
127-18-4	Tetrachloroethene	19.7		1	0.23	1.00	ug/L	11/17/25 11:41	VN111725
108-90-7	Chlorobenzene	20.7		1	0.12	1.00	ug/L	11/17/25 11:41	VN111725
630-20-6	1,1,1,2-Tetrachloroethane	22.2		1	0.19	1.00	ug/L	11/17/25 11:41	VN111725
67-72-1	Hexachloroethane	19.1		1	0.32	1.00	ug/L	11/17/25 11:41	VN111725
100-41-4	Ethyl Benzene	19.6		1	0.13	1.00	ug/L	11/17/25 11:41	VN111725
179601-23-1	m/p-Xylenes	39.8		1	0.24	2.00	ug/L	11/17/25 11:41	VN111725
95-47-6	o-Xylene	19.9		1	0.12	1.00	ug/L	11/17/25 11:41	VN111725
100-42-5	Styrene	20.9		1	0.15	1.00	ug/L	11/17/25 11:41	VN111725
75-25-2	Bromoform	22.4		1	0.19	1.00	ug/L	11/17/25 11:41	VN111725
98-82-8	Isopropylbenzene	18.6		1	0.12	1.00	ug/L	11/17/25 11:41	VN111725
79-34-5	1,1,2,2-Tetrachloroethane	22.6		1	0.26	1.00	ug/L	11/17/25 11:41	VN111725
96-18-4	1,2,3-Trichloropropane	19.4		1	0.35	1.00	ug/L	11/17/25 11:41	VN111725
108-86-1	Bromobenzene	21.5		1	0.24	1.00	ug/L	11/17/25 11:41	VN111725
103-65-1	n-propylbenzene	19.3		1	0.13	1.00	ug/L	11/17/25 11:41	VN111725
95-49-8	2-Chlorotoluene	20.7		1	0.14	1.00	ug/L	11/17/25 11:41	VN111725
108-67-8	1,3,5-Trimethylbenzene	19.2		1	0.15	1.00	ug/L	11/17/25 11:41	VN111725
106-43-4	4-Chlorotoluene	19.9		1	0.13	1.00	ug/L	11/17/25 11:41	VN111725
98-06-6	tert-Butylbenzene	18.0		1	0.14	1.00	ug/L	11/17/25 11:41	VN111725
95-63-6	1,2,4-Trimethylbenzene	19.8		1	0.14	1.00	ug/L	11/17/25 11:41	VN111725
135-98-8	sec-Butylbenzene	17.6		1	0.13	1.00	ug/L	11/17/25 11:41	VN111725
99-87-6	p-Isopropyltoluene	18.4		1	0.13	1.00	ug/L	11/17/25 11:41	VN111725
541-73-1	1,3-Dichlorobenzene	20.2		1	0.16	1.00	ug/L	11/17/25 11:41	VN111725
106-46-7	1,4-Dichlorobenzene	20.2		1	0.19	1.00	ug/L	11/17/25 11:41	VN111725
104-51-8	n-Butylbenzene	17.4		1	0.15	1.00	ug/L	11/17/25 11:41	VN111725
95-50-1	1,2-Dichlorobenzene	21.0		1	0.16	1.00	ug/L	11/17/25 11:41	VN111725
96-12-8	1,2-Dibromo-3-Chloropropane	21.2		1	0.53	1.00	ug/L	11/17/25 11:41	VN111725
120-82-1	1,2,4-Trichlorobenzene	18.9		1	0.20	1.00	ug/L	11/17/25 11:41	VN111725
87-68-3	Hexachlorobutadiene	18.6		1	0.30	1.00	ug/L	11/17/25 11:41	VN111725
91-20-3	Naphthalene	18.8		1	0.20	1.00	ug/L	11/17/25 11:41	VN111725
87-61-6	1,2,3-Trichlorobenzene	19.6		1	0.20	1.00	ug/L	11/17/25 11:41	VN111725

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	54.4			74 - 125	109%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7			75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	48.6			86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.3			77 - 121	99%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	221000
540-36-3	1,4-Difluorobenzene	421000
3114-55-4	Chlorobenzene-d5	389000
3855-82-1	1,4-Dichlorobenzene-d4	192000



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

Report of Analysis

Client: Chemtech Consulting Group

Project: Weekly Storage Blanks

Client Sample ID: VN1117WBS01

Lab Sample ID: VN1117WBS01

Analytical Method: 8260D

Sample Wt/Vol: 5 mL

Level: LOW

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3643

Matrix: Water

% Solid: 0

Test: VOC- Chemtech Full

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
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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_N\Data\VN111725\
 Data File : VN088295.D
 Acq On : 17 Nov 2025 11:41
 Operator : JC\MD
 Sample : VN1117WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1117WBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 18 02:56:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	221239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	421404	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	388771	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	192312	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.559	65	208013	54.373	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.740%	
35) Dibromofluoromethane	8.147	113	146260	51.663	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.320%	
50) Toluene-d8	10.541	98	530129	48.598	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.200%	
62) 4-Bromofluorobenzene	12.829	95	189950	49.307	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 98.620%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.142	85	44763	17.937	ug/l	99
3) Chloromethane	2.383	50	60179	20.497	ug/l	95
4) Vinyl Chloride	2.536	62	60734	18.986	ug/l	92
5) Bromomethane	2.983	94	39318	20.549	ug/l	93
6) Chloroethane	3.142	64	43694	18.958	ug/l	95
7) Trichlorofluoromethane	3.518	101	91120	17.859	ug/l	96
8) Diethyl Ether	3.959	74	38082	20.083	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.371	101	52250	19.846	ug/l	100
10) Methyl Iodide	4.583	142	48449	20.136	ug/l	89
11) Tert butyl alcohol	5.524	59	73420	111.397	ug/l	100
12) 1,1-Dichloroethene	4.347	96	48110	17.301	ug/l	94
13) Acrolein	4.177	56	73636	99.327	ug/l	99
14) Allyl chloride	5.018	41	94132	19.313	ug/l	96
15) Acrylonitrile	5.706	53	216492	120.588	ug/l	99
16) Acetone	4.424	43	213395	111.029	ug/l	95
17) Carbon Disulfide	4.706	76	148942	17.620	ug/l	98
18) Methyl Acetate	5.018	43	104047	26.443	ug/l	98
19) Methyl tert-butyl Ether	5.788	73	222124	21.751	ug/l	99
20) Methylene Chloride	5.271	84	69366	21.500	ug/l	97
21) trans-1,2-Dichloroethene	5.777	96	61248	20.066	ug/l	96
22) Diisopropyl ether	6.659	45	242949	23.702	ug/l	98
23) Vinyl Acetate	6.588	43	1058980	114.692	ug/l	98
24) 1,1-Dichloroethane	6.559	63	129846	22.868	ug/l	99
25) 2-Butanone	7.471	43	307933	121.575	ug/l	100
26) 2,2-Dichloropropane	7.471	77	110796	21.473	ug/l	99
27) cis-1,2-Dichloroethene	7.477	96	76705	21.829	ug/l	98
28) Bromochloromethane	7.794	49	80524	30.014	ug/l	97
29) Tetrahydrofuran	7.824	42	194324	117.724	ug/l	98
30) Chloroform	7.947	83	135572	23.900	ug/l	99
31) Cyclohexane	8.241	56	99561	18.592	ug/l	97
32) 1,1,1-Trichloroethane	8.147	97	108351	21.447	ug/l	96
36) 1,1-Dichloropropene	8.353	75	83394	20.175	ug/l	99
37) Ethyl Acetate	7.541	43	116696	21.876	ug/l	97
38) Carbon Tetrachloride	8.347	117	90460	21.188	ug/l	91
39) Methylcyclohexane	9.582	83	83218	15.662	ug/l	97
40) Benzene	8.582	78	275341	21.872	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111725\
 Data File : VN088295.D
 Acq On : 17 Nov 2025 11:41
 Operator : JC\MD
 Sample : VN1117WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1117WBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 18 02:56:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	62237	22.168	ug/l	98
42) 1,2-Dichloroethane	8.653	62	107367	24.004	ug/l	100
43) Isopropyl Acetate	8.671	43	186717	22.779	ug/l	97
44) Trichloroethene	9.335	130	60696	20.628	ug/l	96
45) 1,2-Dichloropropane	9.600	63	73962	23.272	ug/l	96
46) Dibromomethane	9.688	93	53551	23.625	ug/l	98
47) Bromodichloromethane	9.865	83	106261	23.415	ug/l	97
48) Methyl methacrylate	9.659	41	84081	22.218	ug/l	98
49) 1,4-Dioxane	9.676	88	21792	462.997	ug/l #	90
51) 4-Methyl-2-Pentanone	10.423	43	596541	123.020	ug/l	100
52) Toluene	10.606	92	162374	20.920	ug/l	100
53) t-1,3-Dichloropropene	10.818	75	109773	22.727	ug/l	98
54) cis-1,3-Dichloropropene	10.294	75	116066	22.646	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	68414	23.233	ug/l	94
56) Ethyl methacrylate	10.859	69	102846	22.071	ug/l	99
57) 1,3-Dichloropropane	11.141	76	119042	23.000	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.141	63	280077	115.549	ug/l	99
59) 2-Hexanone	11.176	43	384518	119.534	ug/l	99
60) Dibromochloromethane	11.335	129	78415	23.429	ug/l	98
61) 1,2-Dibromoethane	11.447	107	66644	21.991	ug/l	97
64) Tetrachloroethene	11.082	164	50393	19.651	ug/l	96
65) Chlorobenzene	11.870	112	182367	20.658	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.935	131	64131	22.174	ug/l	97
67) Ethyl Benzene	11.941	91	303650	19.596	ug/l	100
68) m/p-Xylenes	12.053	106	230809	39.754	ug/l	100
69) o-Xylene	12.376	106	109454	19.887	ug/l	99
70) Styrene	12.388	104	187725	20.917	ug/l	99
71) Bromoform	12.559	173	48391	22.421	ug/l #	98
73) Isopropylbenzene	12.676	105	275626	18.583	ug/l	98
74) N-amyl acetate	12.694	43	91611m	21.757	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	104256	22.577	ug/l	100
76) 1,2,3-Trichloropropane	12.970	75	85096m	19.354	ug/l	
77) Bromobenzene	12.959	156	68690	21.476	ug/l	98
78) n-propylbenzene	13.012	91	348613	19.260	ug/l	99
79) 2-Chlorotoluene	13.106	91	213318	20.665	ug/l	98
80) 1,3,5-Trimethylbenzene	13.153	105	236703	19.215	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.717	75	29098	18.461	ug/l	92
82) 4-Chlorotoluene	13.200	91	222250	19.901	ug/l	98
83) tert-Butylbenzene	13.417	119	197535	17.951	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	244017	19.799	ug/l	98
85) sec-Butylbenzene	13.594	105	284370	17.589	ug/l	99
86) p-Isopropyltoluene	13.706	119	238909	18.421	ug/l	99
87) 1,3-Dichlorobenzene	13.711	146	129291	20.249	ug/l	97
88) 1,4-Dichlorobenzene	13.788	146	138473	20.192	ug/l	98
89) n-Butylbenzene	14.035	91	224163	17.449	ug/l	99
90) Hexachloroethane	14.311	117	47944	19.089	ug/l	95
91) 1,2-Dichlorobenzene	14.082	146	129270	21.003	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.694	75	22765	21.180	ug/l	98
93) 1,2,4-Trichlorobenzene	15.370	180	70341	18.871	ug/l	98
94) Hexachlorobutadiene	15.470	225	25879	18.643	ug/l	98
95) Naphthalene	15.611	128	240406	18.827	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	69925	19.564	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111725\
Data File : VN088295.D
Acq On : 17 Nov 2025 11:41
Operator : JC\MD
Sample : VN1117WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 18 02:56:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 03 01:16:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

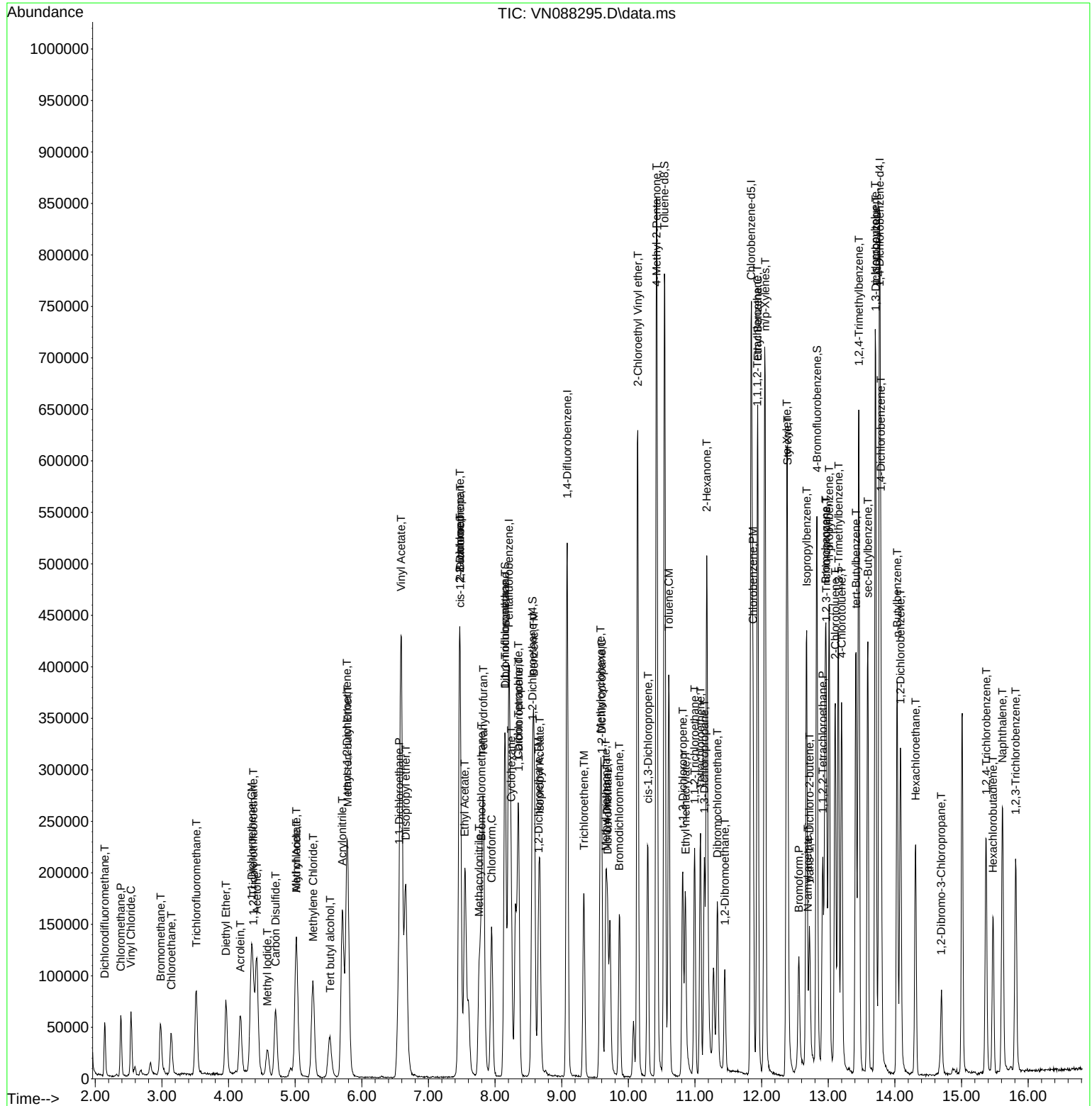
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111725\  
Data File : VN088295.D  
Acq On    : 17 Nov 2025  11:41  
Operator   : JC\MD  
Sample     : VN1117WBS01  
Misc       : 5.0mL/MSVOA_N/WATER  
ALS Vial   : 6   Sample Multiplier: 1
```

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBS01

Manual Integrations

Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 18 02:56:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 03 01:16:06 2025
Response via : Initial Calibration



Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: VX1114WBS01
 Lab Sample ID: VX1114WBS01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3643
 Matrix: Water
 % Solid: 0
 Test: VOC- Chemtech Full

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	16.3		1	0.22	1.00	ug/L	11/14/25 13:36	VX111425
74-87-3	Chloromethane	20.1		1	0.32	1.00	ug/L	11/14/25 13:36	VX111425
75-01-4	Vinyl Chloride	20.9		1	0.26	1.00	ug/L	11/14/25 13:36	VX111425
141-78-6	Ethyl Acetate	21.2		1	0.31	1.00	ug/L	11/14/25 13:36	VX111425
74-83-9	Bromomethane	26.3		1	1.40	5.00	ug/L	11/14/25 13:36	VX111425
75-00-3	Chloroethane	21.7		1	0.47	1.00	ug/L	11/14/25 13:36	VX111425
75-69-4	Trichlorofluoromethane	20.9		1	0.33	1.00	ug/L	11/14/25 13:36	VX111425
76-13-1	1,1,2-Trichlorotrifluoroethane	21.7		1	0.25	1.00	ug/L	11/14/25 13:36	VX111425
75-65-0	Tert butyl alcohol	110		1	5.50	25.0	ug/L	11/14/25 13:36	VX111425
75-35-4	1,1-Dichloroethene	21.2		1	0.23	1.00	ug/L	11/14/25 13:36	VX111425
107-02-8	Acrolein	80.3		1	7.10	25.0	ug/L	11/14/25 13:36	VX111425
107-13-1	Acrylonitrile	110		1	0.83	5.00	ug/L	11/14/25 13:36	VX111425
67-64-1	Acetone	110		1	1.50	5.00	ug/L	11/14/25 13:36	VX111425
75-15-0	Carbon Disulfide	18.7		1	0.21	1.00	ug/L	11/14/25 13:36	VX111425
1634-04-4	Methyl tert-butyl Ether	21.9		1	0.16	1.00	ug/L	11/14/25 13:36	VX111425
79-20-9	Methyl Acetate	26.0		1	0.27	1.00	ug/L	11/14/25 13:36	VX111425
75-09-2	Methylene Chloride	22.3		1	0.28	1.00	ug/L	11/14/25 13:36	VX111425
156-60-5	trans-1,2-Dichloroethene	18.8		1	0.23	1.00	ug/L	11/14/25 13:36	VX111425
108-05-4	Vinyl Acetate	92.0		1	0.66	5.00	ug/L	11/14/25 13:36	VX111425
75-34-3	1,1-Dichloroethane	18.3		1	0.23	1.00	ug/L	11/14/25 13:36	VX111425
110-82-7	Cyclohexane	16.9		1	1.50	5.00	ug/L	11/14/25 13:36	VX111425
78-93-3	2-Butanone	110		1	0.98	5.00	ug/L	11/14/25 13:36	VX111425
56-23-5	Carbon Tetrachloride	16.8		1	0.25	1.00	ug/L	11/14/25 13:36	VX111425
594-20-7	2,2-Dichloropropane	19.7		1	0.21	1.00	ug/L	11/14/25 13:36	VX111425
156-59-2	cis-1,2-Dichloroethene	20.3		1	0.19	1.00	ug/L	11/14/25 13:36	VX111425
74-97-5	Bromochloromethane	17.3		1	0.22	1.00	ug/L	11/14/25 13:36	VX111425
67-66-3	Chloroform	19.1		1	0.25	1.00	ug/L	11/14/25 13:36	VX111425
71-55-6	1,1,1-Trichloroethane	17.8		1	0.20	1.00	ug/L	11/14/25 13:36	VX111425
108-87-2	Methylcyclohexane	16.8		1	0.16	1.00	ug/L	11/14/25 13:36	VX111425
563-58-6	1,1-Dichloropropene	15.1		1	0.15	1.00	ug/L	11/14/25 13:36	VX111425
71-43-2	Benzene	16.4		1	0.15	1.00	ug/L	11/14/25 13:36	VX111425
107-06-2	1,2-Dichloroethane	19.6		1	0.22	1.00	ug/L	11/14/25 13:36	VX111425
79-01-6	Trichloroethene	17.2		1	0.090	1.00	ug/L	11/14/25 13:36	VX111425
78-87-5	1,2-Dichloropropane	19.6		1	0.20	1.00	ug/L	11/14/25 13:36	VX111425
74-95-3	Dibromomethane	21.9		1	0.25	1.00	ug/L	11/14/25 13:36	VX111425
75-27-4	Bromodichloromethane	21.8		1	0.22	1.00	ug/L	11/14/25 13:36	VX111425
108-10-1	4-Methyl-2-Pentanone	110		1	0.68	5.00	ug/L	11/14/25 13:36	VX111425
108-88-3	Toluene	20.2		1	0.14	1.00	ug/L	11/14/25 13:36	VX111425
10061-02-6	t-1,3-Dichloropropene	21.3		1	0.17	1.00	ug/L	11/14/25 13:36	VX111425
10061-01-5	cis-1,3-Dichloropropene	21.4		1	0.16	1.00	ug/L	11/14/25 13:36	VX111425
79-00-5	1,1,2-Trichloroethane	22.6		1	0.21	1.00	ug/L	11/14/25 13:36	VX111425
142-28-9	1,3-Dichloropropane	21.8		1	0.19	1.00	ug/L	11/14/25 13:36	VX111425
110-75-8	2-Chloroethyl Vinyl ether	88.1		1	0.30	5.00	ug/L	11/14/25 13:36	VX111425

Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: VX1114WBS01
 Lab Sample ID: VX1114WBS01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3643
 Matrix: Water
 % Solid: 0
 Test: VOC- Chemtech Full

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
591-78-6	2-Hexanone	110		1	0.89	5.00	ug/L	11/14/25 13:36	VX111425
124-48-1	Dibromochloromethane	22.1		1	0.18	1.00	ug/L	11/14/25 13:36	VX111425
106-93-4	1,2-Dibromoethane	21.6		1	0.15	1.00	ug/L	11/14/25 13:36	VX111425
127-18-4	Tetrachloroethene	16.1		1	0.23	1.00	ug/L	11/14/25 13:36	VX111425
108-90-7	Chlorobenzene	16.8		1	0.12	1.00	ug/L	11/14/25 13:36	VX111425
630-20-6	1,1,1,2-Tetrachloroethane	18.9		1	0.19	1.00	ug/L	11/14/25 13:36	VX111425
67-72-1	Hexachloroethane	17.3		1	0.32	1.00	ug/L	11/14/25 13:36	VX111425
100-41-4	Ethyl Benzene	16.9		1	0.13	1.00	ug/L	11/14/25 13:36	VX111425
179601-23-1	m/p-Xylenes	34.3		1	0.24	2.00	ug/L	11/14/25 13:36	VX111425
95-47-6	o-Xylene	16.9		1	0.12	1.00	ug/L	11/14/25 13:36	VX111425
100-42-5	Styrene	17.6		1	0.15	1.00	ug/L	11/14/25 13:36	VX111425
75-25-2	Bromoform	17.5		1	0.19	1.00	ug/L	11/14/25 13:36	VX111425
98-82-8	Isopropylbenzene	17.4		1	0.12	1.00	ug/L	11/14/25 13:36	VX111425
79-34-5	1,1,2,2-Tetrachloroethane	18.4		1	0.26	1.00	ug/L	11/14/25 13:36	VX111425
96-18-4	1,2,3-Trichloropropane	18.3		1	0.35	1.00	ug/L	11/14/25 13:36	VX111425
108-86-1	Bromobenzene	18.0		1	0.24	1.00	ug/L	11/14/25 13:36	VX111425
103-65-1	n-propylbenzene	17.2		1	0.13	1.00	ug/L	11/14/25 13:36	VX111425
95-49-8	2-Chlorotoluene	17.4		1	0.14	1.00	ug/L	11/14/25 13:36	VX111425
108-67-8	1,3,5-Trimethylbenzene	17.5		1	0.15	1.00	ug/L	11/14/25 13:36	VX111425
106-43-4	4-Chlorotoluene	17.7		1	0.13	1.00	ug/L	11/14/25 13:36	VX111425
98-06-6	tert-Butylbenzene	17.5		1	0.14	1.00	ug/L	11/14/25 13:36	VX111425
95-63-6	1,2,4-Trimethylbenzene	17.6		1	0.14	1.00	ug/L	11/14/25 13:36	VX111425
135-98-8	sec-Butylbenzene	17.2		1	0.13	1.00	ug/L	11/14/25 13:36	VX111425
99-87-6	p-Isopropyltoluene	17.5		1	0.13	1.00	ug/L	11/14/25 13:36	VX111425
541-73-1	1,3-Dichlorobenzene	17.0		1	0.16	1.00	ug/L	11/14/25 13:36	VX111425
106-46-7	1,4-Dichlorobenzene	17.2		1	0.19	1.00	ug/L	11/14/25 13:36	VX111425
104-51-8	n-Butylbenzene	16.6		1	0.15	1.00	ug/L	11/14/25 13:36	VX111425
95-50-1	1,2-Dichlorobenzene	17.3		1	0.16	1.00	ug/L	11/14/25 13:36	VX111425
96-12-8	1,2-Dibromo-3-Chloropropane	18.0		1	0.53	1.00	ug/L	11/14/25 13:36	VX111425
120-82-1	1,2,4-Trichlorobenzene	16.3		1	0.20	1.00	ug/L	11/14/25 13:36	VX111425
87-68-3	Hexachlorobutadiene	15.7		1	0.30	1.00	ug/L	11/14/25 13:36	VX111425
91-20-3	Naphthalene	17.6		1	0.20	1.00	ug/L	11/14/25 13:36	VX111425
87-61-6	1,2,3-Trichlorobenzene	17.3		1	0.20	1.00	ug/L	11/14/25 13:36	VX111425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	47.0			74 - 125	94%	SPK: 50
1868-53-7	Dibromofluoromethane	41.3			75 - 124	83%	SPK: 50
2037-26-5	Toluene-d8	44.5			86 - 113	89%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.6			77 - 121	89%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	140000
540-36-3	1,4-Difluorobenzene	235000
3114-55-4	Chlorobenzene-d5	222000
3855-82-1	1,4-Dichlorobenzene-d4	114000



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

Report of Analysis

Client: Chemtech Consulting Group

Project: Weekly Storage Blanks

Client Sample ID: VX1114WBS01

Lab Sample ID: VX1114WBS01

Analytical Method: 8260D

Sample Wt/Vol: 5 mL

Level: LOW

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3643

Matrix: Water

% Solid: 0

Test: VOC- Chemtech Full

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
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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\VX111425\
 Data File : VX048605.D
 Acq On : 14 Nov 2025 13:36
 Operator : JC/MD
 Sample : VX1114WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/17/2025
 Supervised By : Mahesh Dadoda 11/17/2025

Quant Time: Nov 14 22:19:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	140425	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	234812	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	222283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	113785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	92013	47.024	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.040%		
35) Dibromofluoromethane	5.367	113	73397	41.299	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	82.600%		
50) Toluene-d8	8.628	98	246464	44.466	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	88.940%#		
62) 4-Bromofluorobenzene	11.061	95	92066	44.571	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.140%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	18571	16.321	ug/l	98
3) Chloromethane	1.300	50	30348	20.109	ug/l	100
4) Vinyl Chloride	1.380	62	35701	20.893	ug/l	96
5) Bromomethane	1.617	94	28376	26.299	ug/l	92
6) Chloroethane	1.697	64	24330	21.742	ug/l	98
7) Trichlorofluoromethane	1.898	101	56478	20.892	ug/l	98
8) Diethyl Ether	2.130	74	25400	23.407	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	34003	21.727	ug/l	98
10) Methyl Iodide	2.453	142	52956	22.864	ug/l	99
11) Tert butyl alcohol	2.934	59	41094	110.833	ug/l	99
12) 1,1-Dichloroethene	2.325	96	34697	21.225	ug/l	93
13) Acrolein	2.233	56	4309	80.323	ug/l	94
14) Allyl chloride	2.666	41	64206	21.096	ug/l	99
15) Acrylonitrile	3.056	53	117438	108.500	ug/l	97
16) Acetone	2.367	43	99622	107.558	ug/l	99
17) Carbon Disulfide	2.514	76	86217	18.743	ug/l	100
18) Methyl Acetate	2.697	43	66206	26.010	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	126451	21.905	ug/l	97
20) Methylene Chloride	2.788	84	42454	22.295	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	32570	18.799	ug/l	95
22) Diisopropyl ether	3.745	45	114272	19.553	ug/l	99
23) Vinyl Acetate	3.709	43	471040	92.028	ug/l	99
24) 1,1-Dichloroethane	3.599	63	58677	18.298	ug/l	98
25) 2-Butanone	4.532	43	154471	112.738	ug/l	96
26) 2,2-Dichloropropane	4.458	77	53898	19.715	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	42944	20.278	ug/l	98
28) Bromochloromethane	4.879	49	27239	17.291	ug/l	95
29) Tetrahydrofuran	4.983	42	91306	93.433	ug/l	97
30) Chloroform	5.074	83	63235	19.101	ug/l	99
31) Cyclohexane	5.452	56	44380	16.891	ug/l	95
32) 1,1,1-Trichloroethane	5.361	97	51453	17.809	ug/l	97
36) 1,1-Dichloropropene	5.678	75	35937	15.101	ug/l	97
37) Ethyl Acetate	4.696	43	71138	21.236	ug/l	97
38) Carbon Tetrachloride	5.659	117	45480	16.789	ug/l	98
39) Methylcyclohexane	7.360	83	44989	16.837	ug/l	99
40) Benzene	6.019	78	121154	16.424	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111425\
 Data File : VX048605.D
 Acq On : 14 Nov 2025 13:36
 Operator : JC/MD
 Sample : VX1114WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/17/2025
 Supervised By : Mahesh Dadoda 11/17/2025

Quant Time: Nov 14 22:19:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	27414	18.609	ug/l	93
42) 1,2-Dichloroethane	6.068	62	49428	19.556	ug/l	97
43) Isopropyl Acetate	6.318	43	85422	18.141	ug/l	97
44) Trichloroethene	7.110	130	30281	17.173	ug/l	89
45) 1,2-Dichloropropane	7.409	63	33314	19.641	ug/l	100
46) Dibromomethane	7.562	93	27121	21.923	ug/l	92
47) Bromodichloromethane	7.805	83	53690	21.755	ug/l	97
48) Methyl methacrylate	7.671	41	44448	21.234	ug/l	93
49) 1,4-Dioxane	7.647	88	12841	402.590	ug/l #	94
51) 4-Methyl-2-Pentanone	8.555	43	306253	114.255	ug/l	97
52) Toluene	8.702	92	78549	20.225	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	54236	21.327	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	56257	21.365	ug/l	94
55) 1,1,2-Trichloroethane	9.134	97	35010	22.563	ug/l	98
56) Ethyl methacrylate	9.098	69	56913	22.046	ug/l #	93
57) 1,3-Dichloropropane	9.293	76	58774	21.762	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	122223	88.061	ug/l	100
59) 2-Hexanone	9.415	43	229113	114.910	ug/l	95
60) Dibromochloromethane	9.500	129	42072	22.084	ug/l	98
61) 1,2-Dibromoethane	9.592	107	36314	21.607	ug/l	98
64) Tetrachloroethene	9.256	164	25918	16.053	ug/l	97
65) Chlorobenzene	10.061	112	88799	16.831	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	33368	18.876	ug/l	97
67) Ethyl Benzene	10.177	91	149644	16.891	ug/l	98
68) m/p-Xylenes	10.281	106	114367	34.275	ug/l	96
69) o-Xylene	10.622	106	55289	16.936	ug/l	98
70) Styrene	10.640	104	96281	17.581	ug/l	98
71) Bromoform	10.780	173	28482	17.464	ug/l #	99
73) Isopropylbenzene	10.945	105	143601	17.387	ug/l	98
74) N-amyl acetate	10.823	43	72630	17.514	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.195	83	53522	18.376	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	50154m	18.296	ug/l	
77) Bromobenzene	11.177	156	38293	17.955	ug/l	98
78) n-propylbenzene	11.286	91	167416	17.239	ug/l	100
79) 2-Chlorotoluene	11.347	91	102184	17.413	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	117610	17.468	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.000	75	16597	17.318	ug/l	88
82) 4-Chlorotoluene	11.433	91	121702	17.680	ug/l	100
83) tert-Butylbenzene	11.695	119	121580	17.458	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	119572	17.601	ug/l	99
85) sec-Butylbenzene	11.872	105	148033	17.199	ug/l	99
86) p-Isopropyltoluene	11.988	119	126450	17.474	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	67960	17.002	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	71163	17.236	ug/l	99
89) n-Butylbenzene	12.317	91	112802	16.617	ug/l	99
90) Hexachloroethane	12.518	117	23819	17.276	ug/l	97
91) 1,2-Dichlorobenzene	12.317	146	66257	17.267	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.920	75	12167	17.976	ug/l	95
93) 1,2,4-Trichlorobenzene	13.567	180	41593	16.312	ug/l	99
94) Hexachlorobutadiene	13.701	225	16757	15.720	ug/l	96
95) Naphthalene	13.756	128	144649	17.644	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	41053	17.309	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111425\
Data File : VX048605.D
Acq On : 14 Nov 2025 13:36
Operator : JC/MD
Sample : VX1114WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1114WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025

Quant Time: Nov 14 22:19:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

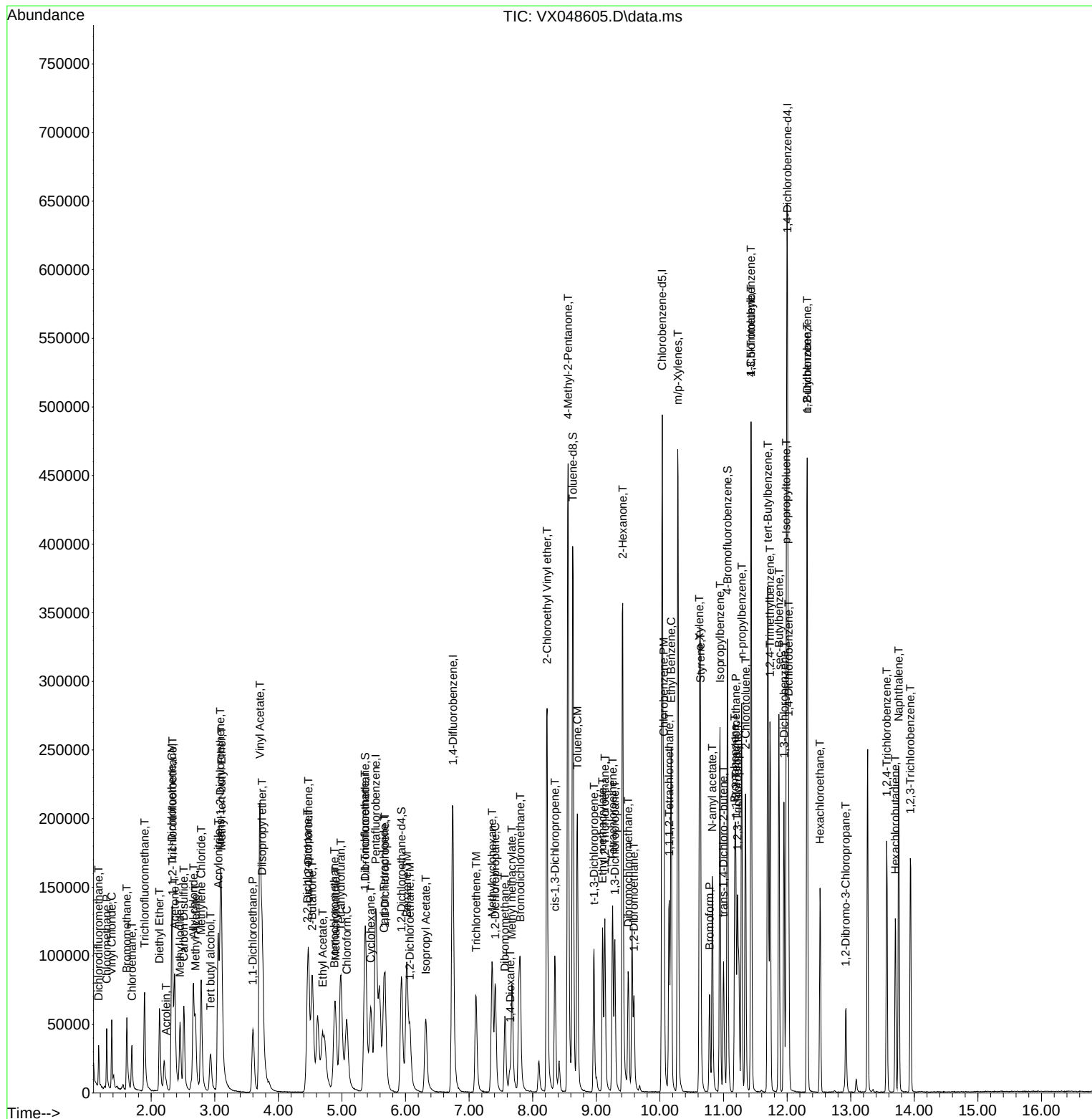
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111425\
Data File : VX048605.D
Acq On : 14 Nov 2025 13:36
Operator : JC/MD
Sample : VX1114WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1114WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025

Quant Time: Nov 14 22:19:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration



Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: VN1117WBSD01
 Lab Sample ID: VN1117WBSD01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3643
 Matrix: Water
 % Solid: 0
 Test: VOC- Chemtech Full

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	17.9		1	0.22	1.00	ug/L	11/17/25 12:16	VN111725
74-87-3	Chloromethane	20.0		1	0.32	1.00	ug/L	11/17/25 12:16	VN111725
75-01-4	Vinyl Chloride	19.0		1	0.26	1.00	ug/L	11/17/25 12:16	VN111725
141-78-6	Ethyl Acetate	22.9		1	0.31	1.00	ug/L	11/17/25 12:16	VN111725
74-83-9	Bromomethane	19.7		1	1.40	5.00	ug/L	11/17/25 12:16	VN111725
75-00-3	Chloroethane	17.2		1	0.47	1.00	ug/L	11/17/25 12:16	VN111725
75-69-4	Trichlorofluoromethane	18.3		1	0.33	1.00	ug/L	11/17/25 12:16	VN111725
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0		1	0.25	1.00	ug/L	11/17/25 12:16	VN111725
75-65-0	Tert butyl alcohol	110		1	5.50	25.0	ug/L	11/17/25 12:16	VN111725
75-35-4	1,1-Dichloroethene	18.5		1	0.23	1.00	ug/L	11/17/25 12:16	VN111725
107-02-8	Acrolein	96.8		1	7.10	25.0	ug/L	11/17/25 12:16	VN111725
107-13-1	Acrylonitrile	120		1	0.83	5.00	ug/L	11/17/25 12:16	VN111725
67-64-1	Acetone	100		1	1.50	5.00	ug/L	11/17/25 12:16	VN111725
75-15-0	Carbon Disulfide	17.3		1	0.21	1.00	ug/L	11/17/25 12:16	VN111725
1634-04-4	Methyl tert-butyl Ether	21.2		1	0.16	1.00	ug/L	11/17/25 12:16	VN111725
79-20-9	Methyl Acetate	25.5		1	0.27	1.00	ug/L	11/17/25 12:16	VN111725
75-09-2	Methylene Chloride	20.8		1	0.28	1.00	ug/L	11/17/25 12:16	VN111725
156-60-5	trans-1,2-Dichloroethene	19.0		1	0.23	1.00	ug/L	11/17/25 12:16	VN111725
108-05-4	Vinyl Acetate	110		1	0.66	5.00	ug/L	11/17/25 12:16	VN111725
75-34-3	1,1-Dichloroethane	22.1		1	0.23	1.00	ug/L	11/17/25 12:16	VN111725
110-82-7	Cyclohexane	19.0		1	1.50	5.00	ug/L	11/17/25 12:16	VN111725
78-93-3	2-Butanone	110		1	0.98	5.00	ug/L	11/17/25 12:16	VN111725
56-23-5	Carbon Tetrachloride	21.4		1	0.25	1.00	ug/L	11/17/25 12:16	VN111725
594-20-7	2,2-Dichloropropane	20.5		1	0.21	1.00	ug/L	11/17/25 12:16	VN111725
156-59-2	cis-1,2-Dichloroethene	20.6		1	0.19	1.00	ug/L	11/17/25 12:16	VN111725
74-97-5	Bromochloromethane	28.9		1	0.22	1.00	ug/L	11/17/25 12:16	VN111725
67-66-3	Chloroform	22.5		1	0.25	1.00	ug/L	11/17/25 12:16	VN111725
71-55-6	1,1,1-Trichloroethane	21.0		1	0.20	1.00	ug/L	11/17/25 12:16	VN111725
108-87-2	Methylcyclohexane	16.9		1	0.16	1.00	ug/L	11/17/25 12:16	VN111725
563-58-6	1,1-Dichloropropene	20.4		1	0.15	1.00	ug/L	11/17/25 12:16	VN111725
71-43-2	Benzene	21.6		1	0.15	1.00	ug/L	11/17/25 12:16	VN111725
107-06-2	1,2-Dichloroethane	23.2		1	0.22	1.00	ug/L	11/17/25 12:16	VN111725
79-01-6	Trichloroethene	20.9		1	0.090	1.00	ug/L	11/17/25 12:16	VN111725
78-87-5	1,2-Dichloropropane	22.6		1	0.20	1.00	ug/L	11/17/25 12:16	VN111725
74-95-3	Dibromomethane	23.2		1	0.25	1.00	ug/L	11/17/25 12:16	VN111725
75-27-4	Bromodichloromethane	23.3		1	0.22	1.00	ug/L	11/17/25 12:16	VN111725
108-10-1	4-Methyl-2-Pentanone	120		1	0.68	5.00	ug/L	11/17/25 12:16	VN111725
108-88-3	Toluene	21.0		1	0.14	1.00	ug/L	11/17/25 12:16	VN111725
10061-02-6	t-1,3-Dichloropropene	22.7		1	0.17	1.00	ug/L	11/17/25 12:16	VN111725
10061-01-5	cis-1,3-Dichloropropene	22.2		1	0.16	1.00	ug/L	11/17/25 12:16	VN111725
79-00-5	1,1,2-Trichloroethane	23.3		1	0.21	1.00	ug/L	11/17/25 12:16	VN111725
142-28-9	1,3-Dichloropropane	23.3		1	0.19	1.00	ug/L	11/17/25 12:16	VN111725
110-75-8	2-Chloroethyl Vinyl ether	110		1	0.30	5.00	ug/L	11/17/25 12:16	VN111725

Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: VN1117WBSD01
 Lab Sample ID: VN1117WBSD01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3643
 Matrix: Water
 % Solid: 0
 Test: VOC- Chemtech Full

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
591-78-6	2-Hexanone	120		1	0.89	5.00	ug/L	11/17/25 12:16	VN111725
124-48-1	Dibromochloromethane	22.7		1	0.18	1.00	ug/L	11/17/25 12:16	VN111725
106-93-4	1,2-Dibromoethane	22.2		1	0.15	1.00	ug/L	11/17/25 12:16	VN111725
127-18-4	Tetrachloroethene	20.5		1	0.23	1.00	ug/L	11/17/25 12:16	VN111725
108-90-7	Chlorobenzene	21.0		1	0.12	1.00	ug/L	11/17/25 12:16	VN111725
630-20-6	1,1,1,2-Tetrachloroethane	22.9		1	0.19	1.00	ug/L	11/17/25 12:16	VN111725
67-72-1	Hexachloroethane	19.3		1	0.32	1.00	ug/L	11/17/25 12:16	VN111725
100-41-4	Ethyl Benzene	20.3		1	0.13	1.00	ug/L	11/17/25 12:16	VN111725
179601-23-1	m/p-Xylenes	40.0		1	0.24	2.00	ug/L	11/17/25 12:16	VN111725
95-47-6	o-Xylene	20.5		1	0.12	1.00	ug/L	11/17/25 12:16	VN111725
100-42-5	Styrene	20.8		1	0.15	1.00	ug/L	11/17/25 12:16	VN111725
75-25-2	Bromoform	22.3		1	0.19	1.00	ug/L	11/17/25 12:16	VN111725
98-82-8	Isopropylbenzene	19.1		1	0.12	1.00	ug/L	11/17/25 12:16	VN111725
79-34-5	1,1,2,2-Tetrachloroethane	22.6		1	0.26	1.00	ug/L	11/17/25 12:16	VN111725
96-18-4	1,2,3-Trichloropropane	20.3		1	0.35	1.00	ug/L	11/17/25 12:16	VN111725
108-86-1	Bromobenzene	21.9		1	0.24	1.00	ug/L	11/17/25 12:16	VN111725
103-65-1	n-propylbenzene	19.6		1	0.13	1.00	ug/L	11/17/25 12:16	VN111725
95-49-8	2-Chlorotoluene	20.6		1	0.14	1.00	ug/L	11/17/25 12:16	VN111725
108-67-8	1,3,5-Trimethylbenzene	20.0		1	0.15	1.00	ug/L	11/17/25 12:16	VN111725
106-43-4	4-Chlorotoluene	19.8		1	0.13	1.00	ug/L	11/17/25 12:16	VN111725
98-06-6	tert-Butylbenzene	18.3		1	0.14	1.00	ug/L	11/17/25 12:16	VN111725
95-63-6	1,2,4-Trimethylbenzene	19.9		1	0.14	1.00	ug/L	11/17/25 12:16	VN111725
135-98-8	sec-Butylbenzene	18.6		1	0.13	1.00	ug/L	11/17/25 12:16	VN111725
99-87-6	p-Isopropyltoluene	19.4		1	0.13	1.00	ug/L	11/17/25 12:16	VN111725
541-73-1	1,3-Dichlorobenzene	20.3		1	0.16	1.00	ug/L	11/17/25 12:16	VN111725
106-46-7	1,4-Dichlorobenzene	19.3		1	0.19	1.00	ug/L	11/17/25 12:16	VN111725
104-51-8	n-Butylbenzene	18.5		1	0.15	1.00	ug/L	11/17/25 12:16	VN111725
95-50-1	1,2-Dichlorobenzene	21.0		1	0.16	1.00	ug/L	11/17/25 12:16	VN111725
96-12-8	1,2-Dibromo-3-Chloropropane	21.3		1	0.53	1.00	ug/L	11/17/25 12:16	VN111725
120-82-1	1,2,4-Trichlorobenzene	18.8		1	0.20	1.00	ug/L	11/17/25 12:16	VN111725
87-68-3	Hexachlorobutadiene	19.6		1	0.30	1.00	ug/L	11/17/25 12:16	VN111725
91-20-3	Naphthalene	19.2		1	0.20	1.00	ug/L	11/17/25 12:16	VN111725
87-61-6	1,2,3-Trichlorobenzene	19.4		1	0.20	1.00	ug/L	11/17/25 12:16	VN111725

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	53.5			74 - 125	107%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2			75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	47.9			86 - 113	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.6			77 - 121	95%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	234000
540-36-3	1,4-Difluorobenzene	431000
3114-55-4	Chlorobenzene-d5	387000
3855-82-1	1,4-Dichlorobenzene-d4	194000



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

Report of Analysis

Client: Chemtech Consulting Group

Project: Weekly Storage Blanks

Client Sample ID: VN1117WBSD01

Lab Sample ID: VN1117WBSD01

Analytical Method: 8260D

Sample Wt/Vol: 5 mL

Level: LOW

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3643

Matrix: Water

% Solid: 0

Test: VOC- Chemtech Full

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
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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_N\Data\VN111725\
 Data File : VN088296.D
 Acq On : 17 Nov 2025 12:16
 Operator : JC\MD
 Sample : VN1117WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1117WBSD01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 18 02:57:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.200	168	234156	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	431101	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	386674	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	193737	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	216632	53.502	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.000%			
35) Dibromofluoromethane	8.147	113	148199	51.171	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.340%			
50) Toluene-d8	10.547	98	534999	47.942	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.880%			
62) 4-Bromofluorobenzene	12.829	95	187715	47.630	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.260%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	47242	17.886	ug/l	93
3) Chloromethane	2.383	50	62141	19.998	ug/l	94
4) Vinyl Chloride	2.536	62	64300	18.992	ug/l	99
5) Bromomethane	2.983	94	39846	19.676	ug/l	91
6) Chloroethane	3.136	64	41929	17.189	ug/l	100
7) Trichlorofluoromethane	3.512	101	99065	18.345	ug/l	99
8) Diethyl Ether	3.965	74	40495	20.177	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	55856	20.045	ug/l	99
10) Methyl Iodide	4.589	142	50782	19.941	ug/l	99
11) Tert butyl alcohol	5.524	59	77504	111.107	ug/l #	86
12) 1,1-Dichloroethene	4.342	96	54491	18.515	ug/l	93
13) Acrolein	4.177	56	75957	96.805	ug/l	97
14) Allyl chloride	5.012	41	99297	19.249	ug/l	95
15) Acrylonitrile	5.706	53	218880	115.192	ug/l	99
16) Acetone	4.424	43	211463	103.955	ug/l	95
17) Carbon Disulfide	4.712	76	154415	17.260	ug/l	99
18) Methyl Acetate	5.018	43	106314	25.529	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	229393	21.224	ug/l	98
20) Methylene Chloride	5.271	84	71098	20.821	ug/l	95
21) trans-1,2-Dichloroethene	5.777	96	61395	19.005	ug/l	94
22) Diisopropyl ether	6.659	45	247568	22.820	ug/l	98
23) Vinyl Acetate	6.588	43	1088740	111.411	ug/l	100
24) 1,1-Dichloroethane	6.559	63	132751	22.090	ug/l	99
25) 2-Butanone	7.471	43	303598	113.251	ug/l	99
26) 2,2-Dichloropropane	7.471	77	111759	20.464	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	76733	20.633	ug/l	95
28) Bromochloromethane	7.794	49	82012	28.882	ug/l	98
29) Tetrahydrofuran	7.824	42	198332	113.524	ug/l	98
30) Chloroform	7.953	83	134948	22.478	ug/l	95
31) Cyclohexane	8.241	56	107484	18.964	ug/l	95
32) 1,1,1-Trichloroethane	8.153	97	112087	20.962	ug/l	93
36) 1,1-Dichloropropene	8.353	75	86174	20.378	ug/l	98
37) Ethyl Acetate	7.541	43	125107	22.926	ug/l	99
38) Carbon Tetrachloride	8.341	117	93295	21.361	ug/l	99
39) Methylcyclohexane	9.582	83	91697	16.870	ug/l	99
40) Benzene	8.588	78	277969	21.584	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111725\
 Data File : VN088296.D
 Acq On : 17 Nov 2025 12:16
 Operator : JC\MD
 Sample : VN1117WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1117WBSD01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 18 02:57:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	63521	22.116	ug/l	95
42) 1,2-Dichloroethane	8.653	62	106083	23.183	ug/l	99
43) Isopropyl Acetate	8.671	43	192802	22.992	ug/l	98
44) Trichloroethene	9.335	130	62808	20.865	ug/l	96
45) 1,2-Dichloropropane	9.600	63	73361	22.564	ug/l	96
46) Dibromomethane	9.688	93	53734	23.173	ug/l	97
47) Bromodichloromethane	9.865	83	107956	23.254	ug/l	98
48) Methyl methacrylate	9.665	41	88727	22.918	ug/l	98
49) 1,4-Dioxane	9.676	88	24903	517.193	ug/l #	100
51) 4-Methyl-2-Pentanone	10.424	43	606634	122.287	ug/l	99
52) Toluene	10.606	92	166752	21.001	ug/l	97
53) t-1,3-Dichloropropene	10.818	75	112352	22.738	ug/l	98
54) cis-1,3-Dichloropropene	10.288	75	116635	22.245	ug/l	96
55) 1,1,2-Trichloroethane	10.994	97	70079	23.264	ug/l	96
56) Ethyl methacrylate	10.853	69	105098	22.046	ug/l	98
57) 1,3-Dichloropropane	11.141	76	123295	23.286	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.141	63	283209	114.213	ug/l	100
59) 2-Hexanone	11.176	43	388202	117.965	ug/l	100
60) Dibromochloromethane	11.335	129	77858	22.740	ug/l	100
61) 1,2-Dibromoethane	11.447	107	68729	22.169	ug/l	98
64) Tetrachloroethene	11.082	164	52272	20.494	ug/l	93
65) Chlorobenzene	11.870	112	184815	21.049	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.941	131	65911	22.913	ug/l	98
67) Ethyl Benzene	11.941	91	312566	20.281	ug/l	100
68) m/p-Xylenes	12.047	106	230933	39.991	ug/l	97
69) o-Xylene	12.376	106	112098	20.478	ug/l	97
70) Styrene	12.388	104	185415	20.771	ug/l	98
71) Bromoform	12.559	173	47931	22.328	ug/l #	99
73) Isopropylbenzene	12.670	105	285398	19.100	ug/l	99
74) N-amyl acetate	12.676	43	93296m	21.995	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	105006	22.572	ug/l	100
76) 1,2,3-Trichloropropane	12.970	75	89703m	20.252	ug/l	
77) Bromobenzene	12.959	156	70644	21.924	ug/l	100
78) n-propylbenzene	13.012	91	357833	19.623	ug/l	98
79) 2-Chlorotoluene	13.106	91	214159	20.594	ug/l	98
80) 1,3,5-Trimethylbenzene	13.153	105	248523	20.026	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.717	75	30478	19.194	ug/l	89
82) 4-Chlorotoluene	13.200	91	223115	19.831	ug/l	98
83) tert-Butylbenzene	13.417	119	202965	18.309	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	247101	19.902	ug/l	98
85) sec-Butylbenzene	13.594	105	303475	18.633	ug/l	99
86) p-Isopropyltoluene	13.706	119	252977	19.362	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	130440	20.279	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	133328	19.299	ug/l	97
89) n-Butylbenzene	14.035	91	239479	18.504	ug/l	99
90) Hexachloroethane	14.311	117	48848	19.306	ug/l	92
91) 1,2-Dichlorobenzene	14.082	146	130139	20.989	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.700	75	23082	21.317	ug/l	95
93) 1,2,4-Trichlorobenzene	15.370	180	70475	18.768	ug/l	95
94) Hexachlorobutadiene	15.476	225	27343	19.553	ug/l	97
95) Naphthalene	15.617	128	246411	19.155	ug/l	99
96) 1,2,3-Trichlorobenzene	15.817	180	69804	19.387	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111725\
Data File : VN088296.D
Acq On : 17 Nov 2025 12:16
Operator : JC\MD
Sample : VN1117WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBSD01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 18 02:57:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 03 01:16:06 2025
Response via : Initial Calibration

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

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

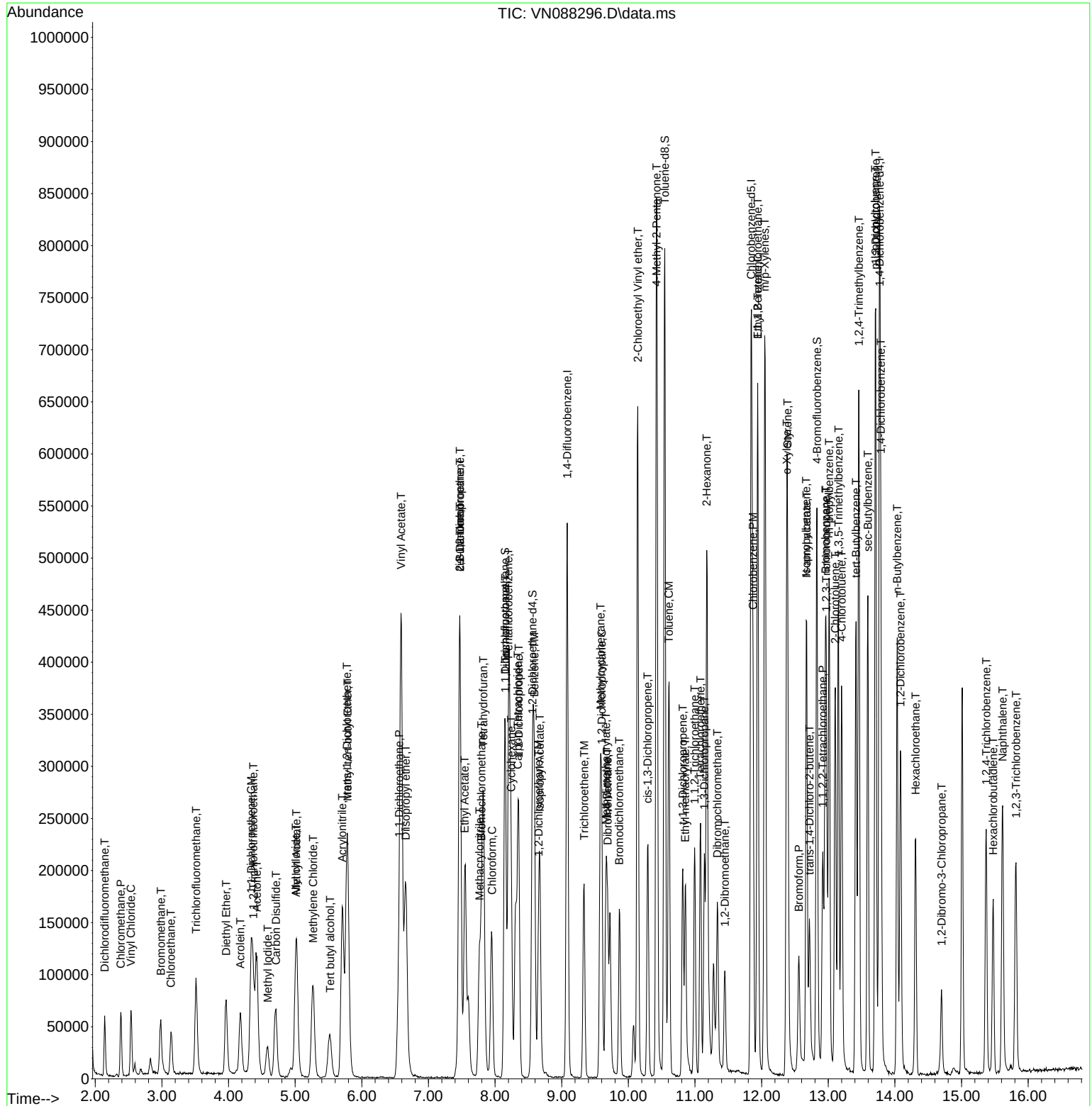
```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111725\
Data File : VN088296.D
Acq On    : 17 Nov 2025 12:16
Operator  : JC\MD
Sample    : VN1117WBSD01
Misc      : 5.0mL/MSVOA_N/WATER
ALS Vial  : 7 Sample Multiplier: 1
```

Instrument :
MSVOA_N
ClientSampleId :
VN1117WBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 18 02:57:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 03 01:16:06 2025
Response via : Initial Calibration



Manual Integration Report

Sequence:	VN102325	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN088078.D	1,2,3-Trichloropropane	JOHN	10/24/2025 8:16:14 AM	MMDadoda	10/27/2025 7:55:28 AM	Peak Integrated by Software
VSTDICC001	VN088078.D	1,4-Dichlorobenzene	JOHN	10/24/2025 8:16:14 AM	MMDadoda	10/27/2025 7:55:28 AM	Peak Integrated by Software
VSTDICC001	VN088078.D	1,4-Dioxane	JOHN	10/24/2025 8:16:14 AM	MMDadoda	10/27/2025 7:55:28 AM	Peak Integrated by Software
VSTDICC001	VN088078.D	2-Butanone	JOHN	10/24/2025 8:16:14 AM	MMDadoda	10/27/2025 7:55:28 AM	Peak Integrated by Software
VSTDICC001	VN088078.D	2-Hexanone	JOHN	10/24/2025 8:16:14 AM	MMDadoda	10/27/2025 7:55:28 AM	Peak Integrated by Software
VSTDICC001	VN088078.D	Allyl chloride	JOHN	10/24/2025 8:16:14 AM	MMDadoda	10/27/2025 7:55:28 AM	Peak Integrated by Software
VSTDICC001	VN088078.D	Ethyl Acetate	JOHN	10/24/2025 8:16:14 AM	MMDadoda	10/27/2025 7:55:28 AM	Peak Integrated by Software
VSTDICC001	VN088078.D	Ethyl methacrylate	JOHN	10/24/2025 8:16:14 AM	MMDadoda	10/27/2025 7:55:28 AM	Peak Integrated by Software
VSTDICC001	VN088078.D	Methyl methacrylate	JOHN	10/24/2025 8:16:14 AM	MMDadoda	10/27/2025 7:55:28 AM	Peak Integrated by Software
VSTDICC001	VN088078.D	trans-1,2-Dichloroethene	JOHN	10/24/2025 8:16:14 AM	MMDadoda	10/27/2025 7:55:28 AM	Peak Integrated by Software
VSTDICC005	VN088079.D	1,2,3-Trichloropropane	JOHN	10/24/2025 8:16:20 AM	MMDadoda	10/27/2025 7:55:32 AM	Peak Integrated by Software
VSTDICC005	VN088079.D	N-amyl acetate	JOHN	10/24/2025 8:16:20 AM	MMDadoda	10/27/2025 7:55:32 AM	Peak Integrated by Software
VSTDICC005	VN088079.D	trans-1,4-Dichloro-2-butene	JOHN	10/24/2025 8:16:20 AM	MMDadoda	10/27/2025 7:55:32 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

VN102325

Instrument

MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDIC020	VN088080.D	1,2,3-Trichloropropane	JOHN	10/24/2025 8:16:24 AM	MMDadoda	10/27/2025 7:55:36 AM	Peak Integrated by Software
VSTDIC020	VN088080.D	N-amyl acetate	JOHN	10/24/2025 8:16:24 AM	MMDadoda	10/27/2025 7:55:36 AM	Peak Integrated by Software
VSTDICCC050	VN088081.D	1,2,3-Trichloropropane	JOHN	10/24/2025 8:16:29 AM	MMDadoda	10/27/2025 7:55:41 AM	Peak Integrated by Software
VSTDICCC050	VN088081.D	N-amyl acetate	JOHN	10/24/2025 8:16:29 AM	MMDadoda	10/27/2025 7:55:41 AM	Peak Integrated by Software
VSTDIC100	VN088082.D	1,2,3-Trichloropropane	JOHN	10/24/2025 8:16:34 AM	MMDadoda	10/27/2025 7:55:57 AM	Peak Integrated by Software
VSTDIC150	VN088083.D	1,2,3-Trichloropropane	JOHN	10/24/2025 8:16:39 AM	MMDadoda	10/27/2025 7:55:46 AM	Peak Integrated by Software
VSTDICV050	VN088085.D	1,2,3-Trichloropropane	JOHN	10/24/2025 8:16:44 AM	MMDadoda	10/27/2025 7:55:49 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VN111725	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN088292.D	1,2,3-Trichloropropane	Amit	11/19/2025 10:34:46 AM	MMDadoda	11/19/2025 11:15:45 AM	Peak Integrated by Software
VSTDCCC050	VN088292.D	N-amyl acetate	Amit	11/19/2025 10:34:46 AM	MMDadoda	11/19/2025 11:15:45 AM	Peak Integrated by Software
VN1117WBS01	VN088295.D	1,2,3-Trichloropropane	Amit	11/19/2025 10:34:57 AM	MMDadoda	11/19/2025 11:15:48 AM	Peak Integrated by Software
VN1117WBS01	VN088295.D	N-amyl acetate	Amit	11/19/2025 10:34:57 AM	MMDadoda	11/19/2025 11:15:48 AM	Peak Integrated by Software
VN1117WBSD0 1	VN088296.D	1,2,3-Trichloropropane	Amit	11/19/2025 10:35:02 AM	MMDadoda	11/19/2025 11:15:51 AM	Peak Integrated by Software
VN1117WBSD0 1	VN088296.D	N-amyl acetate	Amit	11/19/2025 10:35:02 AM	MMDadoda	11/19/2025 11:15:51 AM	Peak Integrated by Software
VSTDCCC050	VN088303.D	1,2,3-Trichloropropane	Amit	11/19/2025 10:35:05 AM	MMDadoda	11/19/2025 11:15:57 AM	Peak Integrated by Software
VSTDCCC050	VN088303.D	N-amyl acetate	Amit	11/19/2025 10:35:05 AM	MMDadoda	11/19/2025 11:15:57 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VX110725	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDIC001	VX048516.D	1,2,3-Trichloropropane	JOHN	11/10/2025 8:27:19 AM	sam	11/10/2025 10:11:26 AM	Peak Integrated by Software
VSTDIC001	VX048516.D	1,4-Dichlorobenzene	JOHN	11/10/2025 8:27:19 AM	sam	11/10/2025 10:11:26 AM	Peak Integrated by Software
VSTDIC001	VX048516.D	2-Chloroethyl Vinyl ether	JOHN	11/10/2025 8:27:19 AM	sam	11/10/2025 10:11:26 AM	Peak Integrated by Software
VSTDIC005	VX048517.D	1,2,3-Trichloropropane	JOHN	11/10/2025 8:27:24 AM	sam	11/10/2025 10:11:30 AM	Peak Integrated by Software
VSTDIC005	VX048517.D	2-Chloroethyl Vinyl ether	JOHN	11/10/2025 8:27:24 AM	sam	11/10/2025 10:11:30 AM	Peak Integrated by Software
VSTDIC020	VX048518.D	1,2,3-Trichloropropane	JOHN	11/10/2025 8:27:29 AM	sam	11/10/2025 10:11:35 AM	Peak Integrated by Software
VSTDIC020	VX048518.D	2-Chloroethyl Vinyl ether	JOHN	11/10/2025 8:27:29 AM	sam	11/10/2025 10:11:35 AM	Peak Integrated by Software
VSTDIC020	VX048518.D	Acrolein	JOHN	11/10/2025 8:27:29 AM	sam	11/10/2025 10:11:35 AM	Peak Integrated by Software
VSTDIC100	VX048520.D	1,2,3-Trichloropropane	JOHN	11/10/2025 8:27:38 AM	sam	11/10/2025 10:12:15 AM	Peak Integrated by Software
VSTDIC100	VX048520.D	Bromomethane	JOHN	11/10/2025 8:27:38 AM	sam	11/10/2025 10:12:15 AM	Peak Integrated by Software
VSTDIC150	VX048521.D	1,2,3-Trichloropropane	JOHN	11/10/2025 8:27:44 AM	sam	11/10/2025 10:11:39 AM	Peak Integrated by Software
VSTDICCC050	VX048524.D	1,2,3-Trichloropropane	JOHN	11/10/2025 8:27:53 AM	sam	11/10/2025 10:12:22 AM	Peak Integrated by Software
VSTDICV050	VX048525.D	1,2,3-Trichloropropane	JOHN	11/10/2025 8:27:58 AM	sam	11/10/2025 10:11:48 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

VX110725

Instrument

MSVOA_x

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason



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

Manual Integration Report

Sequence:	VX111425	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX048602.D	1,2,3-Trichloropropane	JOHN	11/17/2025 8:02:02 AM	MMDadoda	11/17/2025 9:24:44 AM	Peak Integrated by Software
VX1114WBS01	VX048605.D	1,2,3-Trichloropropane	JOHN	11/17/2025 8:02:07 AM	MMDadoda	11/17/2025 9:24:48 AM	Peak Integrated by Software

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN102325

Review By	John Carlone	Review On	10/24/2025 8:16:57 AM
Supervise By	Maresh Dadoda	Supervise On	10/27/2025 2:53:14 PM
SubDirectory	VN102325	HP Acquire Method	HP Processing Method 82N102325W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP135909		
Initial Calibration Stds	VP135921,VP135922,VP135923,VP135924,VP135925,VP135926		
CCC			
Internal Standard/PEM			
ICV/I.BLK	VP135927		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN088077.D	23 Oct 2025 09:09	JC\MD	Ok
2	VSTDIC001	VN088078.D	23 Oct 2025 09:42	JC\MD	Ok,M
3	VSTDIC005	VN088079.D	23 Oct 2025 10:38	JC\MD	Ok,M
4	VSTDIC020	VN088080.D	23 Oct 2025 10:59	JC\MD	Ok,M
5	VSTDIC050	VN088081.D	23 Oct 2025 11:20	JC\MD	Ok,M
6	VSTDIC100	VN088082.D	23 Oct 2025 11:41	JC\MD	Ok,M
7	VSTDIC150	VN088083.D	23 Oct 2025 12:02	JC\MD	Ok,M
8	IBLK	VN088084.D	23 Oct 2025 12:23	JC\MD	Ok
9	VSTDICV050	VN088085.D	23 Oct 2025 14:54	JC\MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN111725

Review By	John Carlone	Review On	11/18/2025 1:22:10 PM
Supervise By	Amit Patel	Supervise On	11/19/2025 10:33:40 AM
SubDirectory	VN111725	HP Acquire Method	HP Processing Method 82N102325W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136238		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136239,VP136240		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN088291.D	17 Nov 2025 08:32	JC\MD	Ok
2	VSTDCCC050	VN088292.D	17 Nov 2025 10:26	JC\MD	Ok,M
3	VN1117MBL01	VN088293.D	17 Nov 2025 11:00	JC\MD	Ok
4	VN1117WBL01	VN088294.D	17 Nov 2025 11:21	JC\MD	Ok
5	VN1117WBS01	VN088295.D	17 Nov 2025 11:41	JC\MD	Ok,M
6	VN1117WBSD01	VN088296.D	17 Nov 2025 12:16	JC\MD	Ok,M
7	IBLK	VN088297.D	17 Nov 2025 12:37	JC\MD	Ok
8	Q3643-01	VN088298.D	17 Nov 2025 12:57	JC\MD	Ok
9	Q3643-03	VN088299.D	17 Nov 2025 13:18	JC\MD	Ok
10	PB170545TB	VN088300.D	17 Nov 2025 13:39	JC\MD	Ok
11	Q3628-04	VN088301.D	17 Nov 2025 14:00	JC\MD	Ok
12	Q3647-02	VN088302.D	17 Nov 2025 14:21	JC\MD	Ok
13	VSTDCCC050	VN088303.D	17 Nov 2025 15:07	JC\MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX110725

Review By	John Carlone	Review On	11/10/2025 8:28:24 AM		
Supervise By	Amit Patel	Supervise On	11/10/2025 9:54:56 AM		
SubDirectory	VX110725	HP Acquire Method	MSVOA_X	HP Processing Method	82X110725W.M
STD. NAME		STD REF.#			
Tune/Reschk		VP136104			
Initial Calibration Stds		VP136097,VP136098,VP135099,VP136100,VP136101,VP135102			
CCC					
Internal Standard/PEM					
ICV/I.BLK		VP136103			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX048515.D	07 Nov 2025 13:06	JC/MD	Ok
2	VSTDIC001	VX048516.D	07 Nov 2025 13:35	JC/MD	Ok,M
3	VSTDIC005	VX048517.D	07 Nov 2025 13:56	JC/MD	Ok,M
4	VSTDIC020	VX048518.D	07 Nov 2025 14:16	JC/MD	Ok,M
5	VSTDIC050	VX048519.D	07 Nov 2025 14:37	JC/MD	Not Ok
6	VSTDIC100	VX048520.D	07 Nov 2025 14:58	JC/MD	Ok,M
7	VSTDIC150	VX048521.D	07 Nov 2025 15:18	JC/MD	Ok,M
8	VIBLK	VX048522.D	07 Nov 2025 15:39	JC/MD	Ok
9	VSTDIC005	VX048523.D	07 Nov 2025 16:08	JC/MD	Not Ok
10	VSTDIC050	VX048524.D	07 Nov 2025 16:29	JC/MD	Ok,M
11	VSTDICV050	VX048525.D	07 Nov 2025 16:50	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QCBatch ID # VX111425

Review By	John Carlone	Review On	11/17/2025 8:03:24 AM
Supervise By	Maresh Dadoda	Supervise On	11/17/2025 9:25:03 AM
SubDirectory	VX111425	HP Acquire Method	HP Processing Method 82X110
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136205		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136206,VP136207		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX048601.D	14 Nov 2025 08:15	JC/MD	Ok
2	VSTDCCC050	VX048602.D	14 Nov 2025 08:47	JC/MD	Ok,M
3	VX1114MBL01	VX048603.D	14 Nov 2025 11:19	JC/MD	Not Ok
4	VX1114WBL01	VX048604.D	14 Nov 2025 11:39	JC/MD	Ok
5	VX1114WBS01	VX048605.D	14 Nov 2025 13:36	JC/MD	Ok,M
6	VX1114WBSD01	VX048606.D	14 Nov 2025 13:56	JC/MD	Ok,M
7	IBLK	VX048607.D	14 Nov 2025 14:18	JC/MD	Ok
8	Q3643-01	VX048608.D	14 Nov 2025 14:39	JC/MD	ReRun
9	Q3643-02	VX048609.D	14 Nov 2025 15:00	JC/MD	Ok
10	Q3643-03	VX048610.D	14 Nov 2025 15:21	JC/MD	ReRun
11	Q3643-04	VX048611.D	14 Nov 2025 15:41	JC/MD	Ok

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN102325

Review By	John Carlone	Review On	10/24/2025 8:16:57 AM
Supervise By	Maresh Dadoda	Supervise On	10/27/2025 2:53:14 PM
SubDirectory	VN102325	HP Acquire Method	HP Processing Method 82N102325W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135909 VP135921,VP135922,VP135923,VP135924,VP135925,VP135926 VP135927

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN088077.D	23 Oct 2025 09:09		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN088078.D	23 Oct 2025 09:42	COM.#74 Peak not detected in 1PPB	JC\MD	Ok,M
3	VSTDICC005	VSTDICC005	VN088079.D	23 Oct 2025 10:38		JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN088080.D	23 Oct 2025 10:59		JC\MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VN088081.D	23 Oct 2025 11:20	Method failed for Comp. #74	JC\MD	Ok,M
6	VSTDICC100	VSTDICC100	VN088082.D	23 Oct 2025 11:41		JC\MD	Ok,M
7	VSTDICC150	VSTDICC150	VN088083.D	23 Oct 2025 12:02		JC\MD	Ok,M
8	IBLK	IBLK	VN088084.D	23 Oct 2025 12:23		JC\MD	Ok
9	VSTDICV050	ICVVN102325	VN088085.D	23 Oct 2025 14:54		JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN111725

Review By	John Carlone	Review On	11/18/2025 1:22:10 PM
Supervise By	Amit Patel	Supervise On	11/19/2025 10:33:40 AM
SubDirectory	VN111725	HP Acquire Method	HP Processing Method 82N102325W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136238		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136239,VP136240		

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN088291.D	17 Nov 2025 08:32		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN088292.D	17 Nov 2025 10:26		JC\MD	Ok,M
3	VN1117MBL01	VN1117MBL01	VN088293.D	17 Nov 2025 11:00		JC\MD	Ok
4	VN1117WBL01	VN1117WBL01	VN088294.D	17 Nov 2025 11:21		JC\MD	Ok
5	VN1117WBS01	VN1117WBS01	VN088295.D	17 Nov 2025 11:41		JC\MD	Ok,M
6	VN1117WBSD01	VN1117WBSD01	VN088296.D	17 Nov 2025 12:16		JC\MD	Ok,M
7	IBLK	IBLK	VN088297.D	17 Nov 2025 12:37		JC\MD	Ok
8	Q3643-01	STORAGE-BLANK-SO	VN088298.D	17 Nov 2025 12:57	vial B pH<2	JC\MD	Ok
9	Q3643-03	STORAGE-BLANK-WA	VN088299.D	17 Nov 2025 13:18	vial B pH<2	JC\MD	Ok
10	PB170545TB	PB170545TB	VN088300.D	17 Nov 2025 13:39		JC\MD	Ok
11	Q3628-04	TP-5	VN088301.D	17 Nov 2025 14:00	vial A pH#5.0	JC\MD	Ok
12	Q3647-02	VNJ-212	VN088302.D	17 Nov 2025 14:21	vial A pH#5.0	JC\MD	Ok
13	VSTDCCC050	VSTDCCC050EC	VN088303.D	17 Nov 2025 15:07		JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX110725

Review By	John Carlone	Review On	11/10/2025 8:28:24 AM
Supervise By	Amit Patel	Supervise On	11/10/2025 9:54:56 AM
SubDirectory	VX110725	HP Acquire Method	MSVOA_X HP Processing Method 82X110725W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136104
Initial Calibration Stds	VP136097,VP136098,VP135099,VP136100,VP136101,VP135102
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP136103
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampled	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX048515.D	07 Nov 2025 13:06		JC/MD	Ok
2	VSTDIC001	VSTDIC001	VX048516.D	07 Nov 2025 13:35		JC/MD	Ok,M
3	VSTDIC005	VSTDIC005	VX048517.D	07 Nov 2025 13:56		JC/MD	Ok,M
4	VSTDIC020	VSTDIC020	VX048518.D	07 Nov 2025 14:16		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX048519.D	07 Nov 2025 14:37	spiked low	JC/MD	Not Ok
6	VSTDIC100	VSTDIC100	VX048520.D	07 Nov 2025 14:58		JC/MD	Ok,M
7	VSTDIC150	VSTDIC150	VX048521.D	07 Nov 2025 15:18		JC/MD	Ok,M
8	VIBLK	VIBLK	VX048522.D	07 Nov 2025 15:39		JC/MD	Ok
9	VSTDIC005	VSTDIC005	VX048523.D	07 Nov 2025 16:08	spike error	JC/MD	Not Ok
10	VSTDICCC050	VSTDICCC050	VX048524.D	07 Nov 2025 16:29		JC/MD	Ok,M
11	VSTDICV050	ICVVX110725	VX048525.D	07 Nov 2025 16:50		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX111425

Review By	John Carlone	Review On	11/17/2025 8:03:24 AM
Supervise By	Maresh Dadoda	Supervise On	11/17/2025 9:25:03 AM
SubDirectory	VX111425	HP Acquire Method	HP Processing Method 82X110

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP136205
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136206,VP136207

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX048601.D	14 Nov 2025 08:15		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX048602.D	14 Nov 2025 08:47	pH#Lot#V12668	JC/MD	Ok,M
3	VX1114MBL01	VX1114MBL01	VX048603.D	14 Nov 2025 11:19	Surrogate fail	JC/MD	Not Ok
4	VX1114WBL01	VX1114WBL01	VX048604.D	14 Nov 2025 11:39		JC/MD	Ok
5	VX1114WBS01	VX1114WBS01	VX048605.D	14 Nov 2025 13:36		JC/MD	Ok,M
6	VX1114WBSD01	VX1114WBSD01	VX048606.D	14 Nov 2025 13:56		JC/MD	Ok,M
7	IBLK	IBLK	VX048607.D	14 Nov 2025 14:18		JC/MD	Ok
8	Q3643-01	STORAGE-BLANK-SO	VX048608.D	14 Nov 2025 14:39	vial A pH<2 Surrogate fail	JC/MD	ReRun
9	Q3643-02	STORAGE-BLANK-WA	VX048609.D	14 Nov 2025 15:00	vial A pH<2	JC/MD	Ok
10	Q3643-03	STORAGE-BLANK-WA	VX048610.D	14 Nov 2025 15:21	vial A pH<2 Surrogate fail	JC/MD	ReRun
11	Q3643-04	STORAGE-BLANK-SAI	VX048611.D	14 Nov 2025 15:41	vial A pH<2	JC/MD	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 11/17/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 11/14/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:27
Out Date: 11/15/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137900

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q3635-01	40635	1	1.00	1.00	2.00	2.00	100.0	debris
Q3635-02	40617	2	1.00	1.00	2.00	2.00	100.0	oil sample
Q3636-01	AUD-25-0114	3	1.15	10.21	11.36	10.28	89.4	
Q3637-01	BUR-25-0100	4	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3637-02	BUR-25-0100	5	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3638-01	MOO-25-0327	6	1.17	10.24	11.41	6.36	50.7	
Q3638-03	MOO-25-0328	7	1.16	10.37	11.53	10.94	94.3	
Q3639-01	L66A	8	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-02	L66B	9	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-03	L67A	10	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-04	L67B	11	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-05	L68A	12	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-06	L68B	13	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-07	L69A	14	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-08	L69B	15	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-09	L70A	16	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-10	L70B	17	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-11	L71A	18	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-12	L71B	19	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-13	L72A	20	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-14	L72B	21	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-15	STG15-1-1	22	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-16	STG15-1-2	23	1.00	1.00	2.00	2.00	100.0	PILC
Q3640-01	LAW-25-0179	24	1.14	10.16	11.3	9.4	81.3	
Q3640-02	LAW-25-0179-0180	25	1.19	10.47	11.66	10.81	91.9	
Q3640-03	LAW-25-0182	26	1.18	10.35	11.53	10.62	91.2	
Q3641-01	TR-05-111325	27	1.11	10.23	11.34	10.74	94.1	
Q3641-01D	TR-05-111325DUP	28	1.14	10.21	11.35	10.75	94.1	



PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 11/17/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 11/14/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:27
Out Date: 11/15/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137900

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q3641-02	TR-05-111325-E2	29	1.14	10.73	11.87	11.44	96.0	
Q3643-05	SVOC-GPC-BLANK	37	1.00	1.00	2.00	2.00	100.0	
Q3643-06	PEST-GPC-BLANK	38	1.00	1.00	2.00	2.00	100.0	
Q3643-07	PEST-GPC-BLANK-SPIKE	39	1.00	1.00	2.00	2.00	100.0	
Q3643-08	SVOC-GPC2-BLANK	40	1.00	1.00	2.00	2.00	100.0	
Q3643-09	PEST-GPC2-BLANK	41	1.00	1.00	2.00	2.00	100.0	
Q3643-10	PEST -GPC2-BLANK-SPIKE	42	1.00	1.00	2.00	2.00	100.0	
Q3645-01	HD-02-11142025	30	1.18	10.50	11.68	11.02	93.7	
Q3645-02	HD-02-11142025-E2	31	1.19	10.43	11.62	10.75	91.7	
Q3646-01	SU-03-11142025	32	1.11	10.26	11.37	10.38	90.4	
Q3646-02	SU-03-11142025-E2	33	1.18	11.13	12.31	11.35	91.4	
Q3647-01	VNJ-212	34	1.18	10.39	11.57	11.07	95.2	
Q3648-01	OR-02-111425	35	1.17	10.59	11.76	10.75	90.5	
Q3648-02	OR-02-111425-E2	36	1.14	10.78	11.92	10.96	91.1	
Q3649-01	B5-0.0-0.5-20251114	43	1.14	10.38	11.52	10.54	90.6	
Q3649-02	B5-0.5-1.0-20251114	44	1.16	10.61	11.77	10.8	90.9	
Q3649-03	DUPE-0.0-0.5-20251114	45	1.19	10.18	11.37	10.00	86.5	
Q3649-04	DUPE-0.5-1.0-20251114	46	1.11	10.07	11.18	10.04	88.7	
Q3649-05	B4-0.05-1.0-20251114	47	1.19	10.57	11.76	10.7	90.0	
Q3649-06	B4-0.0-0.5-20251114	48	1.14	10.54	11.68	10.77	91.4	
Q3649-07	B4-0.0-0.5-20251114	49	1.14	10.54	11.68	10.77	91.4	
Q3649-08	B3-0.0-0.5-20251114	50	1.16	10.61	11.77	10.28	86.0	
Q3649-09	B3-0.5-1.0-20251114	51	1.13	10.45	11.58	10.45	89.2	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

137900

WorkList Name : %1-111425 WorkList ID : 193119 Department : Wet-Chemistry Date : 11-14-2025 09:33:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3635-01	40635	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3635-02	40617	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3636-01	AUD-25-0114	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3637-01	BUR-25-0100	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3637-02	BUR-25-0100	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3638-01	MOO-25-0327	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3638-03	MOO-25-0328	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-01	L66A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-02	L66B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-03	L67A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-04	L67B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-05	L68A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-06	L68B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-07	L69A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-08	L69B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-09	L70A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-10	L70B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-11	L71A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-12	L71B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-13	L72A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-14	L72B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO

Date/Time: 11-14-25 15:25
 Raw Sample Received by: SAUCI
 Raw Sample Relinquished by: [Signature]
 Date/Time: 11-14-25 15:40
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

127900

WorkList Name : %1-111425

WorkList ID : 193119

Department : Wet-Chemistry

Date : 11-14-2025 09:33:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3639-15	STG15-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-16	STG15-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3640-01	LAW-25-0179	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3640-02	LAW-25-0179-0180	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3640-03	LAW-25-0182	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3641-01	TR-05-111325	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	11/13/2025	Chemtech -SO
Q3641-02	TR-05-111325-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	11/13/2025	Chemtech -SO
Q3643-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A12	11/07/2025	Chemtech -SO
Q3643-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A12	11/07/2025	Chemtech -SO
Q3643-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	A12	11/07/2025	Chemtech -SO
Q3643-08	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A12	11/07/2025	Chemtech -SO
Q3643-09	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A12	11/07/2025	Chemtech -SO
Q3643-10	PEST -GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	A12	11/07/2025	Chemtech -SO
Q3645-01	HD-02-11142025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D51	11/14/2025	Chemtech -SO
Q3645-02	HD-02-11142025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D51	11/14/2025	Chemtech -SO
Q3646-01	SU-03-11142025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	11/14/2025	Chemtech -SO
Q3646-02	SU-03-11142025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	11/14/2025	Chemtech -SO
Q3647-01	VNJ-212	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/14/2025	Chemtech -SO
Q3648-01	OR-02-111425	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	11/14/2025	Chemtech -SO
Q3648-02	OR-02-111425-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	11/14/2025	Chemtech -SO
Q3649-01	B5-0-0-0-5-20251114	Solid	Percent Solids	Cool 4 deg C	HDR108	D41	11/14/2025	Chemtech -SO

Date/Time 11-14-25 15:25
 Raw Sample Received by: SO WOLF SM
 Raw Sample Relinquished by: SO WOLF SM

Date/Time 11-14-25 17:40
 Raw Sample Received by: SO WOLF SM
 Raw Sample Relinquished by: SO WOLF SM

WORKLIST(Hardcopy Internal Chain)

JB 137900

WorkList Name : %1-111425

WorkList ID : 193119

Department : Wet-Chemistry

Date : 11-14-2025 09:33:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3649-02	B5-0.5-1.0-20251114	Solid	Percent Solids	Cool 4 deg C	HDR108	D41	11/14/2025	Chemtech -SO
Q3649-03	DUPE-0.0-0.5-20251114	Solid	Percent Solids	Cool 4 deg C	HDR108	D41	11/14/2025	Chemtech -SO
Q3649-04	DUPE-0.5-1.0-20251114	Solid	Percent Solids	Cool 4 deg C	HDR108	D41	11/14/2025	Chemtech -SO
Q3649-05	B4-0.05-1.0-20251114	Solid	Percent Solids	Cool 4 deg C	HDR108	D41	11/14/2025	Chemtech -SO
Q3649-06	B4-0.0-0.5-20251114	Solid	Percent Solids	Cool 4 deg C	HDR108	D41	11/14/2025	Chemtech -SO
Q3649-07	B4-0.0-0.5-20251114	Solid	Percent Solids	Cool 4 deg C	HDR108	D41	11/14/2025	Chemtech -SO
Q3649-08	B3-0.0-0.5-20251114	Solid	Percent Solids	Cool 4 deg C	HDR108	D41	11/14/2025	Chemtech -SO
Q3649-09	B3-0.5-1.0-20251114	Solid	Percent Solids	Cool 4 deg C	HDR108	D41	11/14/2025	Chemtech -SO

Date/Time 11-14-25 15:25
 Raw Sample Received by: JB wgy
 Raw Sample Relinquished by: JB wgy

Date/Time 11-14-25 17:40
 Raw Sample Received by: JB wgy
 Raw Sample Relinquished by: JB wgy



SHIPPING DOCUMENTS



284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 788-9222
www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number:

Q 3643

COC Number:

CLIENT INFORMATION			PROJECT INFORMATION				BILLING INFORMATION															
COMPANY: Alliance Technical Group, LLC - Newark			PROJECT NAME: Weekly Storage Blanks				BILL TO:					PO#										
ADDRESS: 284 Sheffield Street			PROJECT #:		LOCATION:		ADDRESS:															
CITY Mountainside STATE: NJ ZIP: 07092			PROJECT MANAGER:				CITY:					STATE:		ZIP:								
ATTENTION:			E-MAIL:				ATTENTION:					PHONE:										
PHONE:			FAX:				PHONE:					FAX:										
DATA TURNAROUND INFORMATION			DATA DELIVERABLE INFORMATION				ANALYSIS															
FAX: NA DAYS*			☐ RESULTS ONLY ☐ USEPA CLP																			
HARD COPY: 10 DAYS*			☐ RESULTS + QC ☐ New York State ASP "B"																			
EDD NA DAYS*			☐ New Jersey REDUCED ☐ New York State ASP "A"																			
* TO BE APPROVED BY ALLIANCE			☐ New Jersey CLP ☐ Other																			
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS			☐ EDD Format																			
CHEMTECH SAMPLE ID			PROJECT SAMPLE IDENTIFICATION		SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles	PRESERVATIVES									COMMENTS		
						COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9			
1.			STORAGE-BLANK-SOIL-REF-6		AQ		X			2	X											
2.			STORAGE-BLANK-WATER-REF-5		AQ		X			2	X											
3.			STORAGE-BLANK-WATER-REF-4		AQ		X			2	X											
4.			STORAGE-BLANK-SAMPLE-MANAGEMENT		AQ		X			2	X											
5.			SVOC-GPC-BLANK		SO		X			1		X										
6.			PEST-GPC-BLANK		SO		X			1			X									
7.			PEST-GPC-BLANK-SPIKE		SO		X			1			X									
8.			SVOC-GPC2-BLANK		SO		X			1		X										
9.			PEST-GPC2-BLANK		SO		X			1			X									
10.			PEST -GPC2-BLANK-SPIKE		SO		X			1			X									
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY																						
RELINQUISHED BY SAMPLER		DATE/TIME		RECEIVED BY		Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp _____ MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler?: _____ Comments:																
1. Jhane		11/14/25 9:00		1.																		
RELINQUISHED BY		DATE/TIME		RECEIVED BY																		
2.				2.																		
RELINQUISHED BY		DATE/TIME		RECEIVED FOR LAB BY																		
3.				3.																		
Page _____ of _____										SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight ALLIANCE: ☐ Picked Up ☐ Overnight										Shipment Complete ☐ YES ☐ NO		
WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY																						

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312