

Cover Page

Order ID : Q3373

Project ID : Weekly Storage Blanks

Client : Chemtech Consulting Group

Lab Sample Number

Q3373-01
Q3373-02
Q3373-03
Q3373-04

Client Sample Number

STORAGE-BLANK-SOIL-REF-6
STORAGE-BLANK-WATER-REF-5
STORAGE-BLANK-WATER-REF-4
STORAGE-BLANK-SAMPLE-MANAG

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 12/4/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3373

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PATEL VAISHALI

Date: 12/04/2025

LAB CHRONICLE

OrderID:	Q3373	OrderDate:	10/17/2025 9:40:00 AM
Client:	Chemtech Consulting Group	Project:	Weekly Storage Blanks
Contact:	QA Officer	Location:	J32,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3373-01	STORAGE-BLANK-SOIL-REF-6	Water			10/10/25			10/17/25
			VOC- Chemtech Full	8260-Low			10/22/25	
Q3373-01RE	STORAGE-BLANK-SOIL-REF-6RE	Water			10/10/25			10/17/25
			VOC- Chemtech Full	8260-Low			10/24/25	
Q3373-02	STORAGE-BLANK-WATER-REF-5	Water			10/10/25			10/17/25
			VOC- Chemtech Full	8260-Low			10/24/25	
Q3373-03	STORAGE-BLANK-WATER-REF-4	Water			10/10/25			10/17/25
			VOC- Chemtech Full	8260-Low			10/24/25	
Q3373-04	STORAGE-BLANK-SAMPLE-MANAGEMENT	Water			10/10/25			10/17/25
			VOC- Chemtech Full	8260-Low			10/24/25	



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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q3373
Client: Chemtech Consulting Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	STORAGE-BLANK-SOIL-REF-6							
Q3373-01	STORAGE-BLANK	Water	Acetone	36.7		1.50	5.00	ug/L
			Total Voc :	36.7				
			Total Concentration:	36.7				



QC SUMMARY

Surrogate Summary

SDG No.: **Q3373**

Client: **Chemtech Consulting Group**

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3373-01	STORAGE-BLANK-SOIL-REF-6	1,2-Dichloroethane-d4	50	54.7	109		74	125
		Dibromofluoromethane	50	45.6	91		75	124
		Toluene-d8	50	40.5	81	*	86	113
		4-Bromofluorobenzene	50	47.5	95		77	121
Q3373-01RE	STORAGE-BLANK-SOIL-REF-6RE	1,2-Dichloroethane-d4	50	64.4	129	*	74	125
		Dibromofluoromethane	50	53.4	107		75	124
		Toluene-d8	50	49.9	100		86	113
		4-Bromofluorobenzene	50	56.1	112		77	121
Q3373-02	STORAGE-BLANK-WATER-REF-5	1,2-Dichloroethane-d4	50	59.3	119		74	125
		Dibromofluoromethane	50	52.4	105		75	124
		Toluene-d8	50	50.0	100		86	113
		4-Bromofluorobenzene	50	53.2	106		77	121
Q3373-03	STORAGE-BLANK-WATER-REF-4	1,2-Dichloroethane-d4	50	59.0	118		74	125
		Dibromofluoromethane	50	51.5	103		75	124
		Toluene-d8	50	49.0	98		86	113
		4-Bromofluorobenzene	50	52.5	105		77	121
Q3373-04	STORAGE-BLANK-SAMPLE-MANAC	1,2-Dichloroethane-d4	50	59.1	118		74	125
		Dibromofluoromethane	50	51.8	104		75	124
		Toluene-d8	50	49.5	99		86	113
		4-Bromofluorobenzene	50	52.0	104		77	121
VN1024WBL01	VN1024WBL01	1,2-Dichloroethane-d4	50	59.6	119		74	125
		Dibromofluoromethane	50	51.7	103		75	124
		Toluene-d8	50	48.9	98		86	113
		4-Bromofluorobenzene	50	52.2	104		77	121
VN1024WBS01	VN1024WBS01	1,2-Dichloroethane-d4	50	48.5	97		74	125
		Dibromofluoromethane	50	46.9	94		75	124
		Toluene-d8	50	46.5	93		86	113
		4-Bromofluorobenzene	50	47.5	95		77	121
VN1024WBSD0	VN1024WBSD01	1,2-Dichloroethane-d4	50	50.2	100		74	125
		Dibromofluoromethane	50	47.2	94		75	124
		Toluene-d8	50	46.1	92		86	113
		4-Bromofluorobenzene	50	46.7	93		77	121
VX1022WBL01	VX1022WBL01	1,2-Dichloroethane-d4	50	50.7	101		74	125
		Dibromofluoromethane	50	49.1	98		75	124
		Toluene-d8	50	47.7	95		86	113
		4-Bromofluorobenzene	50	54.5	109		77	121
VX1022WBS01	VX1022WBS01	1,2-Dichloroethane-d4	50	50.2	100		74	125
		Dibromofluoromethane	50	50.9	102		75	124
		Toluene-d8	50	50.7	101		86	113
		4-Bromofluorobenzene	50	52.4	105		77	121

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3373</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Chemtech Consulting Group</u>	Datafile :	<u>VN088090.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1024WBS01	Dichlorodifluoromethane	20	19.8	ug/L	99			69	116	
	Chloromethane	20	19.1	ug/L	96			65	116	
	Vinyl chloride	20	19.2	ug/L	96			65	117	
	Ethyl Acetate	20	18.8	ug/L	94			75	115	
	Bromomethane	20	17.4	ug/L	87			58	125	
	Chloroethane	20	17.3	ug/L	86			56	128	
	Trichlorofluoromethane	20	17.7	ug/L	89			73	115	
	1,1,2-Trichlorotrifluoroethane	20	18.8	ug/L	94			80	112	
	Tert butyl alcohol	100	100	ug/L	100			48	142	
	1,1-Dichloroethene	20	17.4	ug/L	87			74	110	
	Acrolein	100	96.2	ug/L	96			18	155	
	Acrylonitrile	100	96.7	ug/L	97			73	113	
	Acetone	100	86.5	ug/L	87			60	125	
	Carbon disulfide	20	18.8	ug/L	94			64	112	
	Methyl tert-butyl Ether	20	19.1	ug/L	96			78	114	
	Methyl Acetate	20	19.8	ug/L	99			57	150	
	Methylene Chloride	20	20.4	ug/L	102			72	114	
	trans-1,2-Dichloroethene	20	17.9	ug/L	90			75	108	
	Vinyl Acetate	100	99.5	ug/L	100			76	115	
	1,1-Dichloroethane	20	19.8	ug/L	99			78	112	
	Cyclohexane	20	19.4	ug/L	97			75	110	
	2-Butanone	100	98.7	ug/L	99			65	122	
	Carbon Tetrachloride	20	20.4	ug/L	102			77	113	
	2,2-Dichloropropane	20	19.1	ug/L	96			77	109	
	cis-1,2-Dichloroethene	20	18.7	ug/L	94			77	110	
	Bromochloromethane	20	21.8	ug/L	109			70	124	
	Chloroform	20	19.7	ug/L	99			79	113	
	1,1,1-Trichloroethane	20	19.3	ug/L	97			80	108	
	Methylcyclohexane	20	18.9	ug/L	95			72	115	
	1,1-Dichloropropene	20	20.1	ug/L	101			79	110	
	Benzene	20	19.6	ug/L	98			82	109	
	1,2-Dichloroethane	20	20.7	ug/L	104			80	115	
	Trichloroethene	20	19.5	ug/L	98			77	113	
	1,2-Dichloropropane	20	20.0	ug/L	100			83	111	
	Dibromomethane	20	20.3	ug/L	102			82	110	
	Bromodichloromethane	20	20.3	ug/L	102			83	110	
	4-Methyl-2-Pentanone	100	100	ug/L	100			74	118	
	Toluene	20	19.9	ug/L	100			82	110	
	t-1,3-Dichloropropene	20	19.7	ug/L	99			79	110	
	cis-1,3-Dichloropropene	20	19.6	ug/L	98			82	110	
	1,1,2-Trichloroethane	20	19.5	ug/L	98			83	112	
	1,3-Dichloropropane	20	20.0	ug/L	100			83	111	
	2-Chloroethyl vinyl ether	100	96.3	ug/L	96			75	124	
	2-Hexanone	100	100	ug/L	100			73	117	
	Dibromochloromethane	20	18.8	ug/L	94			82	110	
	1,2-Dibromoethane	20	19.1	ug/L	96			81	110	
	Tetrachloroethene	20	19.2	ug/L	96			67	123	
	Chlorobenzene	20	19.6	ug/L	98			82	109	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3373</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Chemtech Consulting Group</u>	Datafile :	<u>VN088090.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1024WBS01	1,1,1,2-Tetrachloroethane	20	19.4	ug/L	97			84	111	
	Hexachloroethane	20	18.9	ug/L	95			80	113	
	Ethyl Benzene	20	20.0	ug/L	100			83	109	
	m/p-Xylenes	40	39.4	ug/L	99			82	110	
	o-Xylene	20	19.7	ug/L	99			83	109	
	Styrene	20	20.4	ug/L	102			80	111	
	Bromoform	20	19.6	ug/L	98			79	109	
	Isopropylbenzene	20	19.0	ug/L	95			83	112	
	1,1,2,2-Tetrachloroethane	20	19.2	ug/L	96			76	118	
	1,2,3-Trichloropropane	20	19.7	ug/L	99			75	112	
	Bromobenzene	20	19.3	ug/L	97			77	116	
	N-propylbenzene	20	19.3	ug/L	97			83	112	
	2-Chlorotoluene	20	20.3	ug/L	102			83	110	
	1,3,5-Trimethylbenzene	20	19.7	ug/L	99			85	112	
	4-Chlorotoluene	20	19.2	ug/L	96			82	110	
	tert-Butylbenzene	20	19.2	ug/L	96			83	112	
	1,2,4-Trimethylbenzene	20	19.7	ug/L	99			85	111	
	Sec-butylbenzene	20	19.3	ug/L	97			81	114	
	p-Isopropyltoluene	20	19.8	ug/L	99			78	116	
	1,3-Dichlorobenzene	20	19.3	ug/L	97			82	108	
	1,4-Dichlorobenzene	20	18.7	ug/L	94			82	107	
	n-Butylbenzene	20	19.5	ug/L	98			75	115	
	1,2-Dichlorobenzene	20	19.0	ug/L	95			82	109	
	1,2-Dibromo-3-Chloropropane	20	19.1	ug/L	96			68	112	
	1,2,4-Trichlorobenzene	20	18.9	ug/L	95			75	113	
	Hexachlorobutadiene	20	20.1	ug/L	101			81	121	
	Naphthalene	20	18.4	ug/L	92			78	119	
	1,2,3-Trichlorobenzene	20	18.9	ug/L	95			76	114	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3373</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Chemtech Consulting Group</u>	Datafile :	<u>VN088091.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1024WBSD01	Dichlorodifluoromethane	20	20.2	ug/L	101	2		69	116	19
	Chloromethane	20	19.2	ug/L	96	0		65	116	21
	Vinyl chloride	20	18.8	ug/L	94	2		65	117	19
	Ethyl Acetate	20	19.3	ug/L	97	3		75	115	27
	Bromomethane	20	18.5	ug/L	93	7		58	125	30
	Chloroethane	20	17.2	ug/L	86	0		56	128	20
	Trichlorofluoromethane	20	17.5	ug/L	88	1		73	115	16
	1,1,2-Trichlorotrifluoroethane	20	18.6	ug/L	93	1		80	112	20
	Tert butyl alcohol	100	100	ug/L	100	0		48	142	30
	1,1-Dichloroethene	20	17.0	ug/L	85	2		74	110	20
	Acrolein	100	100	ug/L	100	4		18	155	30
	Acrylonitrile	100	100	ug/L	100	3		73	113	29
	Acetone	100	87.5	ug/L	88	1		60	125	27
	Carbon disulfide	20	18.7	ug/L	94	0		64	112	17
	Methyl tert-butyl Ether	20	19.9	ug/L	100	4		78	114	20
	Methyl Acetate	20	21.0	ug/L	105	6		57	150	20
	Methylene Chloride	20	21.1	ug/L	106	4		72	114	20
	trans-1,2-Dichloroethene	20	18.4	ug/L	92	2		75	108	16
	Vinyl Acetate	100	100	ug/L	100	0		76	115	26
	1,1-Dichloroethane	20	19.9	ug/L	100	1		78	112	20
	Cyclohexane	20	19.9	ug/L	100	3		75	110	20
	2-Butanone	100	100	ug/L	100	1		65	122	26
	Carbon Tetrachloride	20	19.8	ug/L	99	3		77	113	15
	2,2-Dichloropropane	20	19.0	ug/L	95	1		77	109	20
	cis-1,2-Dichloroethene	20	19.2	ug/L	96	2		77	110	20
	Bromochloromethane	20	22.4	ug/L	112	3		70	124	20
	Chloroform	20	19.9	ug/L	100	1		79	113	20
	1,1,1-Trichloroethane	20	18.9	ug/L	95	2		80	108	20
	Methylcyclohexane	20	18.4	ug/L	92	3		72	115	20
	1,1-Dichloropropene	20	19.3	ug/L	97	4		79	110	16
	Benzene	20	19.5	ug/L	98	0		82	109	15
	1,2-Dichloroethane	20	21.4	ug/L	107	3		80	115	20
	Trichloroethene	20	19.2	ug/L	96	2		77	113	15
	1,2-Dichloropropane	20	20.4	ug/L	102	2		83	111	21
	Dibromomethane	20	20.4	ug/L	102	0		82	110	20
	Bromodichloromethane	20	20.2	ug/L	101	1		83	110	21
	4-Methyl-2-Pentanone	100	100	ug/L	100	0		74	118	25
	Toluene	20	19.3	ug/L	97	3		82	110	16
	t-1,3-Dichloropropene	20	20.0	ug/L	100	1		79	110	20
	cis-1,3-Dichloropropene	20	20.2	ug/L	101	3		82	110	16
	1,1,2-Trichloroethane	20	20.2	ug/L	101	3		83	112	20
	1,3-Dichloropropane	20	20.4	ug/L	102	2		83	111	20
	2-Chloroethyl vinyl ether	100	98.5	ug/L	99	3		75	124	20
	2-Hexanone	100	100	ug/L	100	0		73	117	25
	Dibromochloromethane	20	19.7	ug/L	99	5		82	110	20
	1,2-Dibromoethane	20	20.2	ug/L	101	5		81	110	20
	Tetrachloroethene	20	19.2	ug/L	96	0		67	123	15
	Chlorobenzene	20	19.4	ug/L	97	1		82	109	15

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3373</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Chemtech Consulting Group</u>	Datafile :	<u>VN088091.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1024WBSD01	1,1,1,2-Tetrachloroethane	20	19.6	ug/L	98	1		84	111	20
	Hexachloroethane	20	18.7	ug/L	94	1		80	113	20
	Ethyl Benzene	20	19.6	ug/L	98	2		83	109	16
	m/p-Xylenes	40	39.1	ug/L	98	1		82	110	20
	o-Xylene	20	19.8	ug/L	99	0		83	109	20
	Styrene	20	20.5	ug/L	103	1		80	111	17
	Bromoform	20	20.2	ug/L	101	3		79	109	20
	Isopropylbenzene	20	18.9	ug/L	95	0		83	112	22
	1,1,2,2-Tetrachloroethane	20	19.9	ug/L	100	4		76	118	20
	1,2,3-Trichloropropane	20	18.5	ug/L	93	6		75	112	20
	Bromobenzene	20	20.3	ug/L	102	5		77	116	20
	N-propylbenzene	20	19.1	ug/L	96	1		83	112	20
	2-Chlorotoluene	20	20.0	ug/L	100	2		83	110	20
	1,3,5-Trimethylbenzene	20	19.5	ug/L	98	1		85	112	20
	4-Chlorotoluene	20	19.1	ug/L	96	0		82	110	20
	tert-Butylbenzene	20	18.7	ug/L	94	2		83	112	20
	1,2,4-Trimethylbenzene	20	19.8	ug/L	99	0		85	111	20
	Sec-butylbenzene	20	19.0	ug/L	95	2		81	114	20
	p-Isopropyltoluene	20	19.6	ug/L	98	1		78	116	20
	1,3-Dichlorobenzene	20	20.0	ug/L	100	3		82	108	20
	1,4-Dichlorobenzene	20	19.0	ug/L	95	1		82	107	20
	n-Butylbenzene	20	19.1	ug/L	96	2		75	115	20
	1,2-Dichlorobenzene	20	19.1	ug/L	96	1		82	109	20
	1,2-Dibromo-3-Chloropropane	20	19.0	ug/L	95	1		68	112	26
	1,2,4-Trichlorobenzene	20	19.1	ug/L	96	1		75	113	21
	Hexachlorobutadiene	20	20.4	ug/L	102	1		81	121	20
	Naphthalene	20	18.8	ug/L	94	2		78	119	20
	1,2,3-Trichlorobenzene	20	19.0	ug/L	95	0		76	114	22

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3373</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Chemtech Consulting Group</u>	Datafile :	<u>VX048283.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1022WBS01	Dichlorodifluoromethane	20	19.2	ug/L	96			69	116	
	Chloromethane	20	16.9	ug/L	85			65	116	
	Vinyl chloride	20	16.4	ug/L	82			65	117	
	Ethyl Acetate	20	17.3	ug/L	86			75	115	
	Bromomethane	20	18.3	ug/L	92			58	125	
	Chloroethane	20	17.5	ug/L	88			56	128	
	Trichlorofluoromethane	20	18.7	ug/L	94			73	115	
	1,1,2-Trichlorotrifluoroethane	20	17.8	ug/L	89			80	112	
	Tert butyl alcohol	100	81.3	ug/L	81			48	142	
	1,1-Dichloroethene	20	18.3	ug/L	92			74	110	
	Acrolein	100	110	ug/L	110			28	144	
	Acrylonitrile	100	88.4	ug/L	88			73	113	
	Acetone	100	89.1	ug/L	89			60	125	
	Carbon disulfide	20	16.0	ug/L	80			64	112	
	Methyl tert-butyl Ether	20	18.4	ug/L	92			78	114	
	Methyl Acetate	20	16.9	ug/L	85			67	125	
	Methylene Chloride	20	18.9	ug/L	95			72	114	
	trans-1,2-Dichloroethene	20	18.4	ug/L	92			75	108	
	Vinyl Acetate	100	91.1	ug/L	91			76	115	
	1,1-Dichloroethane	20	18.3	ug/L	92			78	112	
	Cyclohexane	20	17.9	ug/L	90			75	110	
	2-Butanone	100	88.7	ug/L	89			65	122	
	Carbon Tetrachloride	20	18.9	ug/L	95			77	113	
	2,2-Dichloropropane	20	19.2	ug/L	96			56	164	
	cis-1,2-Dichloroethene	20	18.9	ug/L	95			77	110	
	Bromochloromethane	20	17.9	ug/L	90			70	124	
	Chloroform	20	19.4	ug/L	97			79	113	
	1,1,1-Trichloroethane	20	19.0	ug/L	95			80	108	
	Methylcyclohexane	20	17.9	ug/L	90			72	115	
	1,1-Dichloropropene	20	18.3	ug/L	92			79	110	
	Benzene	20	18.9	ug/L	95			82	109	
	1,2-Dichloroethane	20	20.4	ug/L	102			80	115	
	Trichloroethene	20	19.3	ug/L	97			77	113	
	1,2-Dichloropropane	20	19.0	ug/L	95			83	111	
	Dibromomethane	20	19.1	ug/L	96			82	110	
	Bromodichloromethane	20	19.4	ug/L	97			83	110	
	4-Methyl-2-Pentanone	100	91.1	ug/L	91			74	118	
	Toluene	20	19.6	ug/L	98			82	110	
	t-1,3-Dichloropropene	20	19.6	ug/L	98			79	110	
	cis-1,3-Dichloropropene	20	19.2	ug/L	96			82	110	
	1,1,2-Trichloroethane	20	19.7	ug/L	99			83	112	
	1,3-Dichloropropane	20	19.4	ug/L	97			83	111	
	2-Chloroethyl vinyl ether	100	86.0	ug/L	86			75	124	
	2-Hexanone	100	92.8	ug/L	93			73	117	
	Dibromochloromethane	20	19.4	ug/L	97			82	110	
	1,2-Dibromoethane	20	19.5	ug/L	98			81	110	
	Tetrachloroethene	20	17.9	ug/L	90			67	123	
	Chlorobenzene	20	19.3	ug/L	97			82	109	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3373</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Chemtech Consulting Group</u>	Datafile :	<u>VX048283.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1022WBS01	1,1,1,2-Tetrachloroethane	20	19.1	ug/L	96			84	111	
	Hexachloroethane	20	17.3	ug/L	86			80	113	
	Ethyl Benzene	20	18.7	ug/L	94			83	109	
	m/p-Xylenes	40	39.2	ug/L	98			82	110	
	o-Xylene	20	19.4	ug/L	97			83	109	
	Styrene	20	20.2	ug/L	101			80	111	
	Bromoform	20	18.9	ug/L	95			79	109	
	Isopropylbenzene	20	18.3	ug/L	92			83	112	
	1,1,2,2-Tetrachloroethane	20	18.1	ug/L	91			76	118	
	1,2,3-Trichloropropane	20	20.6	ug/L	103			75	112	
	Bromobenzene	20	18.5	ug/L	93			77	116	
	N-propylbenzene	20	18.5	ug/L	93			83	112	
	2-Chlorotoluene	20	18.8	ug/L	94			83	110	
	1,3,5-Trimethylbenzene	20	18.6	ug/L	93			85	112	
	4-Chlorotoluene	20	18.8	ug/L	94			82	110	
	tert-Butylbenzene	20	18.7	ug/L	94			83	112	
	1,2,4-Trimethylbenzene	20	19.1	ug/L	96			85	111	
	Sec-butylbenzene	20	18.0	ug/L	90			81	114	
	p-Isopropyltoluene	20	18.3	ug/L	92			78	116	
	1,3-Dichlorobenzene	20	18.7	ug/L	94			82	108	
	1,4-Dichlorobenzene	20	18.4	ug/L	92			82	107	
	n-Butylbenzene	20	17.5	ug/L	88			75	115	
	1,2-Dichlorobenzene	20	18.8	ug/L	94			82	109	
	1,2-Dibromo-3-Chloropropane	20	17.6	ug/L	88			68	112	
	1,2,4-Trichlorobenzene	20	17.7	ug/L	89			75	113	
	Hexachlorobutadiene	20	18.6	ug/L	93			81	121	
	Naphthalene	20	18.3	ug/L	92			78	119	
	1,2,3-Trichlorobenzene	20	18.5	ug/L	93			76	114	

VOLATILE METHOD BLANK SUMMARY

Client ID

VN1024WBL01

Lab Name: Alliance

Contract: CHEM02

Lab Code: ACE

SDG NO.: Q3373

Lab File ID: VN088089.D

Lab Sample ID: VN1024WBL01

Date Analyzed: 10/24/2025

Time Analyzed: 13:22

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
VN1024WBS01	VN1024WBS01	VN088090.D	10/24/2025
VN1024WBSD01	VN1024WBSD01	VN088091.D	10/24/2025
STORAGE-BLANK-SOIL-REF-6RE	Q3373-01RE	VN088092.D	10/24/2025
STORAGE-BLANK-WATER-REF-5	Q3373-02	VN088093.D	10/24/2025
STORAGE-BLANK-WATER-REF-4	Q3373-03	VN088094.D	10/24/2025
STORAGE-BLANK-SAMPLE-MANAGEMENT	Q3373-04	VN088095.D	10/24/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VX1022WBL01

Lab Name: Alliance

Contract: CHEM02

Lab Code: ACE

SDG NO.: Q3373

Lab File ID: VX048282.D

Lab Sample ID: VX1022WBL01

Date Analyzed: 10/22/2025

Time Analyzed: 09:26

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
VX1022WBS01	VX1022WBS01	VX048283.D	10/22/2025
STORAGE-BLANK-SOIL-REF-6	Q3373-01	VX048296.D	10/22/2025

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.: Q3373

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.: Q3373

Lab File ID: VN088086.D

BFB Injection Date: 10/24/2025

Instrument ID: MSVOA_N

BFB Injection Time: 12:07

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	22.2
75	30.0 - 60.0% of mass 95	56.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.4 (0.6) 1
174	50.0 - 100.0% of mass 95	66.2
175	5.0 - 9.0% of mass 174	5.3 (8) 1
176	95.0 - 101.0% of mass 174	64.9 (98.1) 1
177	5.0 - 9.0% of mass 176	4.2 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN088087.D	10/24/2025	12:28
VN1024WBL01	VN1024WBL01	VN088089.D	10/24/2025	13:22
VN1024WBS01	VN1024WBS01	VN088090.D	10/24/2025	13:43
VN1024WBSD01	VN1024WBSD01	VN088091.D	10/24/2025	14:16
STORAGE-BLANK-SOIL-REF-6RE	Q3373-01RE	VN088092.D	10/24/2025	14:37
STORAGE-BLANK-WATER-REF-5	Q3373-02	VN088093.D	10/24/2025	14:58
STORAGE-BLANK-WATER-REF-4	Q3373-03	VN088094.D	10/24/2025	15:18
STORAGE-BLANK-SAMPLE-MANAGEMENT	Q3373-04	VN088095.D	10/24/2025	15:39



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: CHEM02

Lab Code: ACE

SDG NO.: Q3373

Lab File ID: VX048226.D

BFB Injection Date: 10/20/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:15

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

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.7
75	30.0 - 60.0% of mass 95	50.7
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	0.3 (0.4) 1
174	50.0 - 100.0% of mass 95	76.5
175	5.0 - 9.0% of mass 174	5.8 (7.5) 1
176	95.0 - 101.0% of mass 174	73.8 (96.4) 1
177	5.0 - 9.0% of mass 176	4.8 (6.5) 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	VX048229.D	10/20/2025	10:59
VSTDIC020	VSTDIC020	VX048231.D	10/20/2025	11:40
VSTDIC050	VSTDIC050	VX048232.D	10/20/2025	12:01
VSTDIC100	VSTDIC100	VX048233.D	10/20/2025	12:22
VSTDIC150	VSTDIC150	VX048234.D	10/20/2025	12:43
VSTDIC005	VSTDIC005	VX048236.D	10/20/2025	13:49



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: CHEM02

Lab Code: ACE

SDG NO.: Q3373

Lab File ID: VX048279.D

BFB Injection Date: 10/22/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:07

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

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.4
75	30.0 - 60.0% of mass 95	53.3
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	0.4 (0.5) 1
174	50.0 - 100.0% of mass 95	77.5
175	5.0 - 9.0% of mass 174	6.4 (8.3) 1
176	95.0 - 101.0% of mass 174	73.9 (95.4) 1
177	5.0 - 9.0% of mass 176	4.7 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX048280.D	10/22/2025	08:37
VX1022WBL01	VX1022WBL01	VX048282.D	10/22/2025	09:26
VX1022WBS01	VX1022WBS01	VX048283.D	10/22/2025	09:53
STORAGE-BLANK-SOIL-REF-6	Q3373-01	VX048296.D	10/22/2025	14:27

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: CHEM02
 Lab Code: ACE SDG NO.: Q3373
 Lab File ID: VN088087.D Date Analyzed: 10/24/2025
 Instrument ID: MSVOA_N Time Analyzed: 12:28
 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	337154	8.21	612856	9.08	535872	11.84
UPPER LIMIT	674308	8.706	1225710	9.582	1071740	12.341
LOWER LIMIT	168577	7.706	306428	8.582	267936	11.341
EPA SAMPLE NO.						
STORAGE-BLANK-SOIL-REF-6RE	245209	8.21	553144	9.08	540772	11.84
STORAGE-BLANK-WATER-REF-5	217298	8.21	476484	9.08	451784	11.84
STORAGE-BLANK-WATER-REF-4	218186	8.21	487721	9.08	460792	11.84
STORAGE-BLANK-SAMPLE-MANAGEMENT	214510	8.21	479905	9.08	453957	11.85
VN1024WBL01	216989	8.21	492274	9.08	454718	11.85
VN1024WBS01	356256	8.21	651642	9.08	567094	11.84
VN1024WBSD01	335260	8.21	621300	9.08	541423	11.85

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.: Q3373
 Lab File ID: VN088087.D Date Analyzed: 10/24/2025
 Instrument ID: MSVOA_N Time Analyzed: 12:28
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	271470	13.77				
UPPER LIMIT	542940	14.27				
LOWER LIMIT	135735	13.27				
EPA SAMPLE NO.						
STORAGE-BLANK-SOIL-REF-6RE	258988	13.77				
STORAGE-BLANK-WATER-REF-5	219310	13.77				
STORAGE-BLANK-WATER-REF-4	220162	13.77				
STORAGE-BLANK-SAMPLE-MANAGEMENT	217438	13.77				
VN1024WBL01	221253	13.77				
VN1024WBS01	286160	13.77				
VN1024WBSD01	271790	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.: Q3373
Lab File ID: VX048280.D Date Analyzed: 10/22/2025
Instrument ID: MSVOA_X Time Analyzed: 08:37
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	112883	5.53	171616	6.74	151325	10.04
UPPER LIMIT	225766	6.031	343232	7.239	302650	10.537
LOWER LIMIT	56441.5	5.031	85808	6.239	75662.5	9.537
EPA SAMPLE NO.						
STORAGE-BLANK-SOIL-REF-6	133068	5.54	266786	6.75	242665	10.04
VX1022WBL01	97887	5.54	185129	6.75	199062	10.04
VX1022WBS01	115938	5.54	185153	6.75	172449	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: Alliance Contract: CHEM02
 Lab Code: ACE SDG NO.: Q3373
 Lab File ID: VX048280.D Date Analyzed: 10/22/2025
 Instrument ID: MSVOA_X Time Analyzed: 08:37
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	76595	12				
UPPER LIMIT	153190	12.5				
LOWER LIMIT	38297.5	11.5				
EPA SAMPLE NO.						
STORAGE-BLANK-SOIL-REF-6	130816	12.01				
VX1022WBL01	99844	12.01				
VX1022WBS01	91086	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: Q3373-01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 10/10/25
 Date Received: 10/17/25
 SDG No.: Q3373
 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	10/22/25 14:27	VX102225
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	10/22/25 14:27	VX102225
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	10/22/25 14:27	VX102225
141-78-6	Ethyl Acetate	0.31	U	1	0.31	1.00	ug/L	10/22/25 14:27	VX102225
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	10/22/25 14:27	VX102225
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	10/22/25 14:27	VX102225
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	10/22/25 14:27	VX102225
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	10/22/25 14:27	VX102225
75-65-0	Tert butyl alcohol	5.50	U	1	5.50	25.0	ug/L	10/22/25 14:27	VX102225
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/22/25 14:27	VX102225
107-02-8	Acrolein	7.10	U	1	7.10	25.0	ug/L	10/22/25 14:27	VX102225
107-13-1	Acrylonitrile	0.83	U	1	0.83	5.00	ug/L	10/22/25 14:27	VX102225
67-64-1	Acetone	36.7		1	1.50	5.00	ug/L	10/22/25 14:27	VX102225
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	10/22/25 14:27	VX102225
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	10/22/25 14:27	VX102225
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	10/22/25 14:27	VX102225
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	10/22/25 14:27	VX102225
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/22/25 14:27	VX102225
108-05-4	Vinyl Acetate	0.66	U	1	0.66	5.00	ug/L	10/22/25 14:27	VX102225
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	10/22/25 14:27	VX102225
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	10/22/25 14:27	VX102225
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	10/22/25 14:27	VX102225
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	10/22/25 14:27	VX102225
594-20-7	2,2-Dichloropropane	0.21	U	1	0.21	1.00	ug/L	10/22/25 14:27	VX102225
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	10/22/25 14:27	VX102225
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	10/22/25 14:27	VX102225
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	10/22/25 14:27	VX102225
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	10/22/25 14:27	VX102225
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	10/22/25 14:27	VX102225
563-58-6	1,1-Dichloropropene	0.15	U	1	0.15	1.00	ug/L	10/22/25 14:27	VX102225
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	10/22/25 14:27	VX102225
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	10/22/25 14:27	VX102225
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	10/22/25 14:27	VX102225
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	10/22/25 14:27	VX102225
74-95-3	Dibromomethane	0.25	U	1	0.25	1.00	ug/L	10/22/25 14:27	VX102225
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	10/22/25 14:27	VX102225
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	10/22/25 14:27	VX102225
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	10/22/25 14:27	VX102225
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	10/22/25 14:27	VX102225
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	10/22/25 14:27	VX102225
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	10/22/25 14:27	VX102225
142-28-9	1,3-Dichloropropane	0.19	U	1	0.19	1.00	ug/L	10/22/25 14:27	VX102225
110-75-8	2-Chloroethyl Vinyl ether	0.30	U	1	0.30	5.00	ug/L	10/22/25 14:27	VX102225

Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: STORAGE-BLANK-SOIL-1
 Lab Sample ID: Q3373-01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 10/10/25
 Date Received: 10/17/25
 SDG No.: Q3373
 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	10/22/25 14:27	VX102225
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	10/22/25 14:27	VX102225
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	10/22/25 14:27	VX102225
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	10/22/25 14:27	VX102225
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	10/22/25 14:27	VX102225
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	1	0.19	1.00	ug/L	10/22/25 14:27	VX102225
67-72-1	Hexachloroethane	0.32	U	1	0.32	1.00	ug/L	10/22/25 14:27	VX102225
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	10/22/25 14:27	VX102225
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	10/22/25 14:27	VX102225
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	10/22/25 14:27	VX102225
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	10/22/25 14:27	VX102225
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	10/22/25 14:27	VX102225
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	10/22/25 14:27	VX102225
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	10/22/25 14:27	VX102225
96-18-4	1,2,3-Trichloropropane	0.35	U	1	0.35	1.00	ug/L	10/22/25 14:27	VX102225
108-86-1	Bromobenzene	0.24	U	1	0.24	1.00	ug/L	10/22/25 14:27	VX102225
103-65-1	n-propylbenzene	0.13	U	1	0.13	1.00	ug/L	10/22/25 14:27	VX102225
95-49-8	2-Chlorotoluene	0.14	U	1	0.14	1.00	ug/L	10/22/25 14:27	VX102225
108-67-8	1,3,5-Trimethylbenzene	0.15	U	1	0.15	1.00	ug/L	10/22/25 14:27	VX102225
106-43-4	4-Chlorotoluene	0.13	U	1	0.13	1.00	ug/L	10/22/25 14:27	VX102225
98-06-6	tert-Butylbenzene	0.14	U	1	0.14	1.00	ug/L	10/22/25 14:27	VX102225
95-63-6	1,2,4-Trimethylbenzene	0.14	U	1	0.14	1.00	ug/L	10/22/25 14:27	VX102225
135-98-8	sec-Butylbenzene	0.13	U	1	0.13	1.00	ug/L	10/22/25 14:27	VX102225
99-87-6	p-Isopropyltoluene	0.13	U	1	0.13	1.00	ug/L	10/22/25 14:27	VX102225
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/22/25 14:27	VX102225
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	10/22/25 14:27	VX102225
104-51-8	n-Butylbenzene	0.15	U	1	0.15	1.00	ug/L	10/22/25 14:27	VX102225
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/22/25 14:27	VX102225
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	10/22/25 14:27	VX102225
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/22/25 14:27	VX102225
87-68-3	Hexachlorobutadiene	0.30	U	1	0.30	1.00	ug/L	10/22/25 14:27	VX102225
91-20-3	Naphthalene	0.20	U	1	0.20	1.00	ug/L	10/22/25 14:27	VX102225
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/22/25 14:27	VX102225

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	54.7			74 - 125	109%	SPK: 50
1868-53-7	Dibromofluoromethane	45.6			75 - 124	91%	SPK: 50
2037-26-5	Toluene-d8	40.5	*		86 - 113	81%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.5			77 - 121	95%	SPK: 50

INTERNAL STANDARDS**Area Count**

363-72-4	Pentafluorobenzene	133000
540-36-3	1,4-Difluorobenzene	267000
3114-55-4	Chlorobenzene-d5	243000
3855-82-1	1,4-Dichlorobenzene-d4	131000



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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/10/25
Project:	Weekly Storage Blanks	Date Received:	10/17/25
Client Sample ID:	STORAGE-BLANK-SOIL-]	SDG No.:	Q3373
Lab Sample ID:	Q3373-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 mL	Test:	VOC- Chemtech Full
	Level: LOW		
	Final Vol: 5000 uL		

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\VX102225\
 Data File : VX048296.D
 Acq On : 22 Oct 2025 14:27
 Operator : JC/MD
 Sample : Q3373-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Oct 24 05:55:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

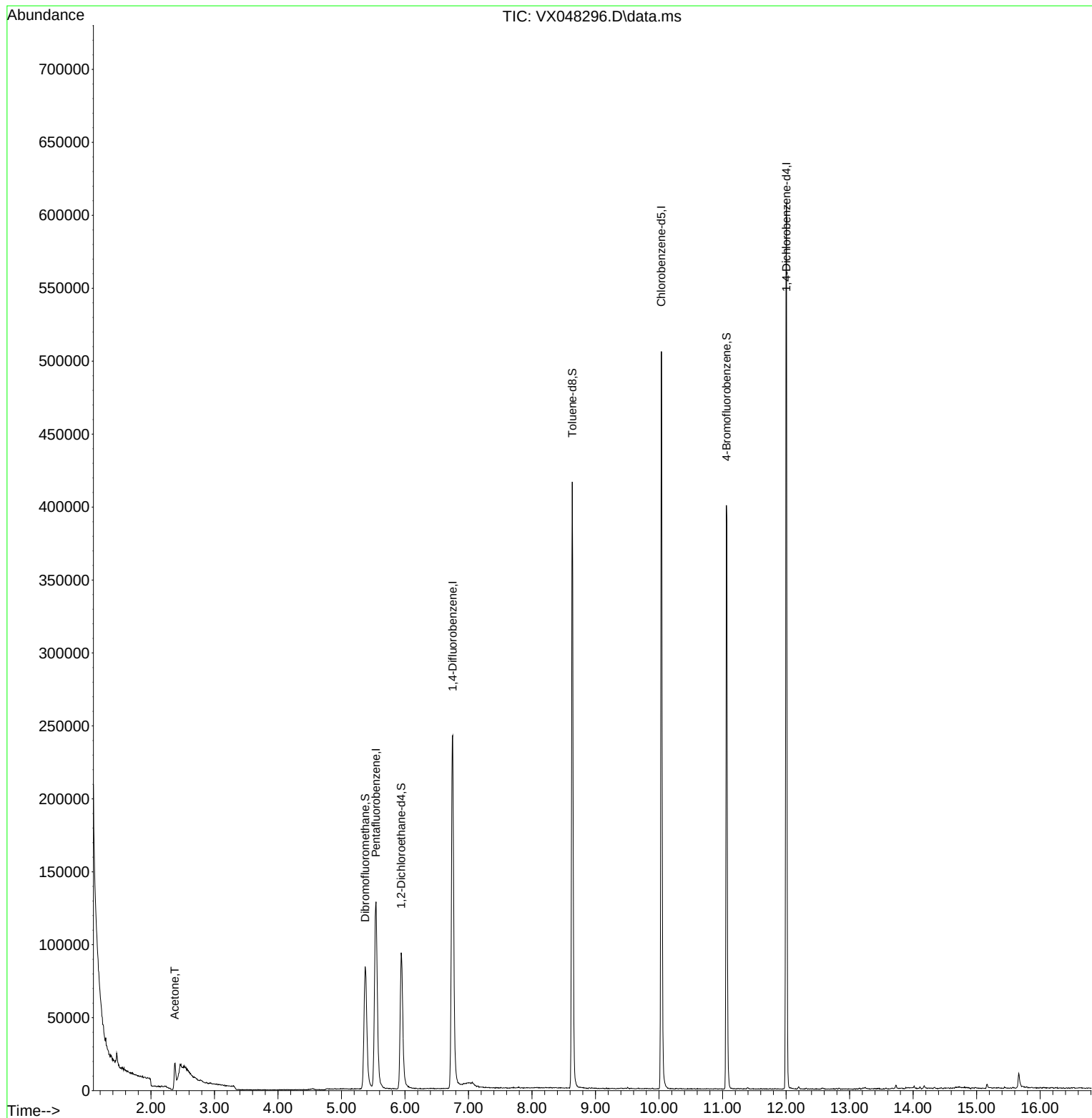
Internal Standards						
1) Pentafluorobenzene	5.544	168	133068	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	266786	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	242665	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	130816	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	102039	54.692	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	109.380%
35) Dibromofluoromethane	5.373	113	83028	45.586	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.180%
50) Toluene-d8	8.635	98	258836	40.545	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	81.080%#
62) 4-Bromofluorobenzene	11.061	95	115329	47.487	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.980%
Target Compounds						
16) Acetone	2.374	43	23481	36.686	ug/l	Qvalue 97

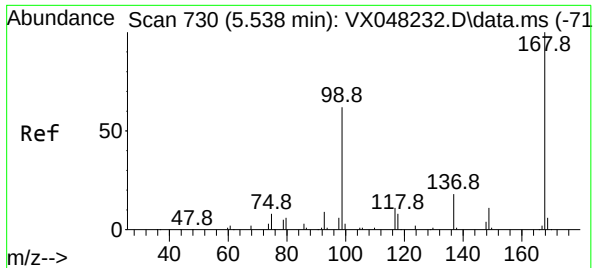
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
Data File : VX048296.D
Acq On : 22 Oct 2025 14:27
Operator : JC/MD
Sample : Q3373-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

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

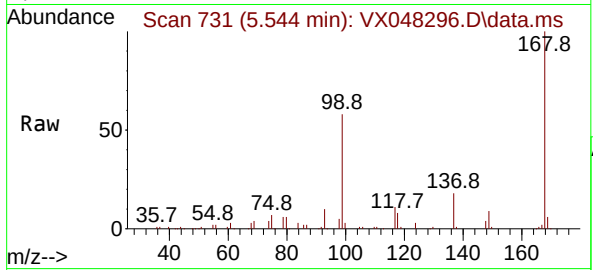
Quant Time: Oct 24 05:55:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration



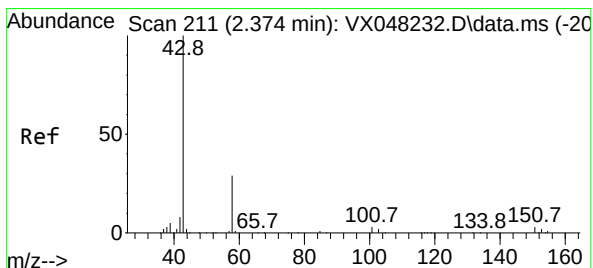
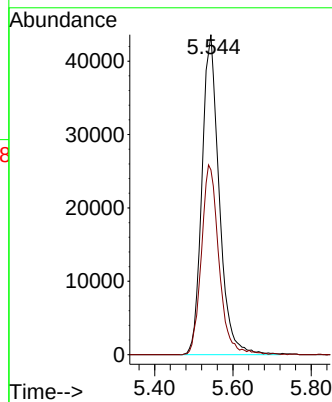


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX048296.D
Acq: 22 Oct 2025 14:27

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

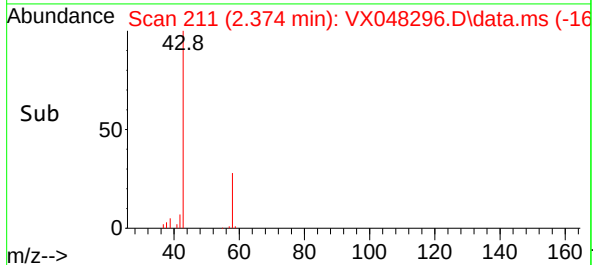
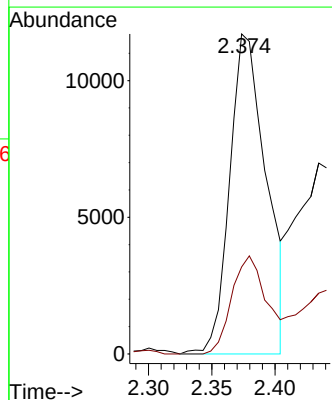
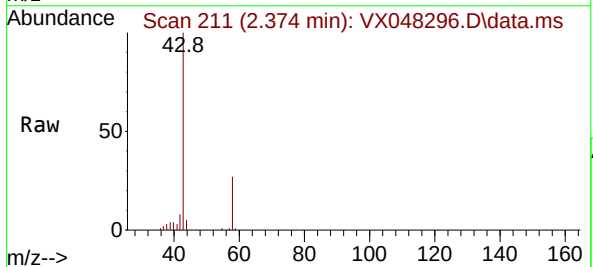


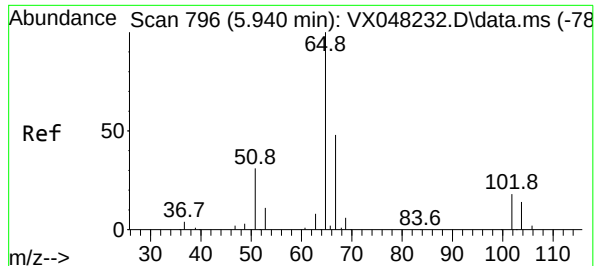
Tgt Ion:168 Resp: 133068
Ion Ratio Lower Upper
168 100
99 57.8 46.4 69.6



#16
Acetone
Concen: 36.686 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048296.D
Acq: 22 Oct 2025 14:27

Tgt Ion: 43 Resp: 23481
Ion Ratio Lower Upper
43 100
58 27.6 23.4 35.2





#33

1,2-Dichloroethane-d4

Concen: 54.692 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048296.D

Acq: 22 Oct 2025 14:27

Instrument :

MSVOA_X

ClientSampleId :

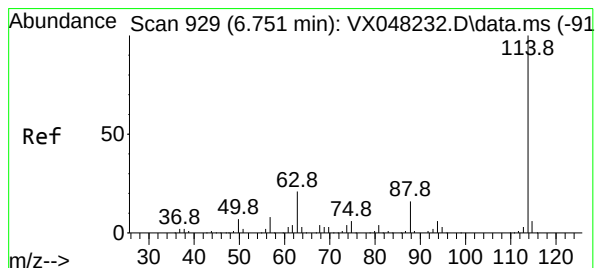
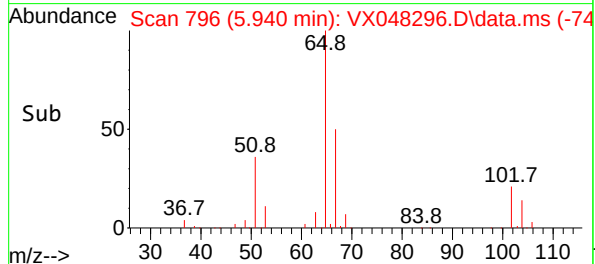
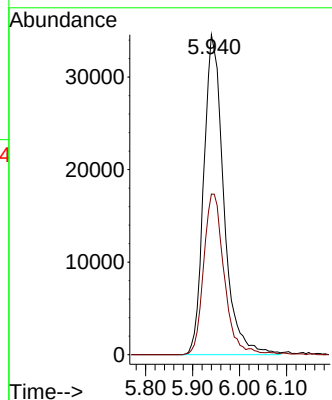
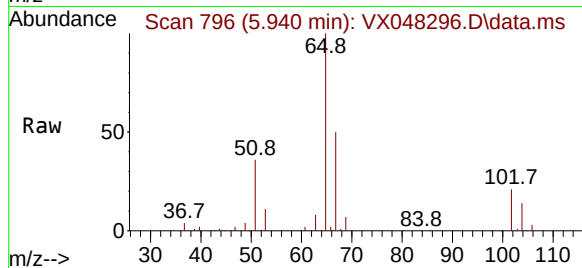
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 65 Resp: 102039

Ion Ratio Lower Upper

65 100

67 51.4 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX048296.D

Acq: 22 Oct 2025 14:27

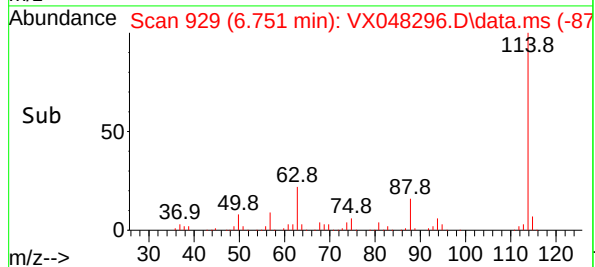
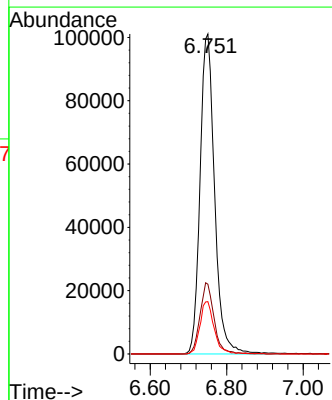
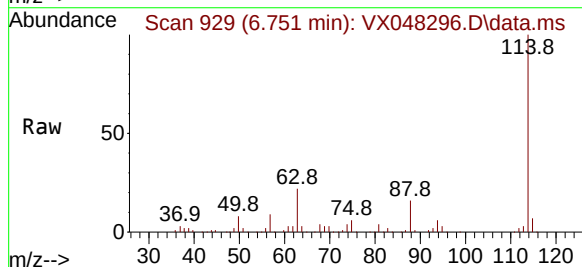
Tgt Ion: 114 Resp: 266786

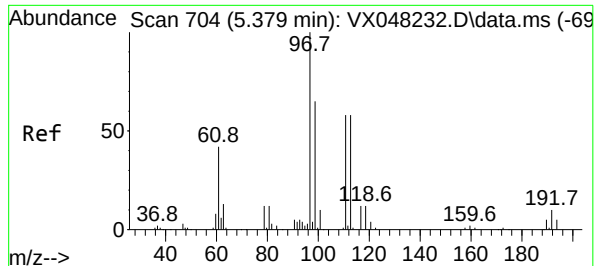
Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.2

88 16.4 0.0 33.6





#35

Dibromofluoromethane

Concen: 45.586 ug/l

RT: 5.373 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX048296.D

Acq: 22 Oct 2025 14:27

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

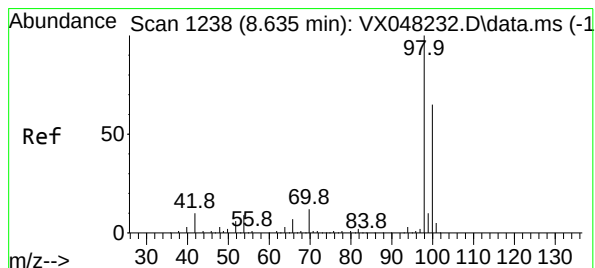
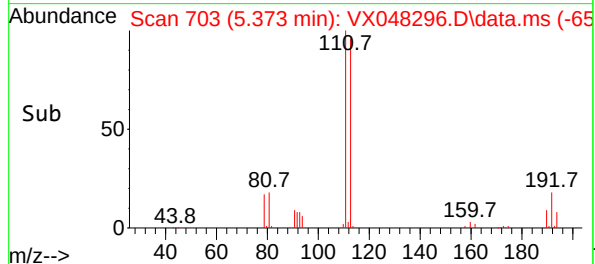
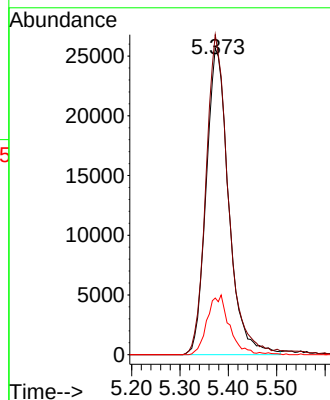
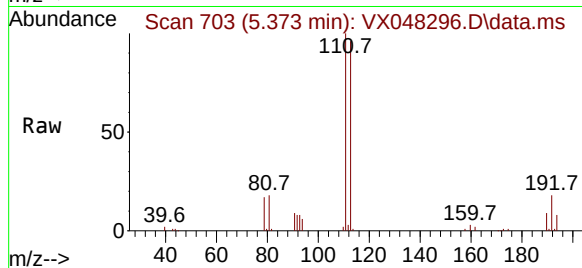
Tgt Ion:113 Resp: 83028

Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.4

192 19.0 15.1 22.7



#50

Toluene-d8

Concen: 40.545 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX048296.D

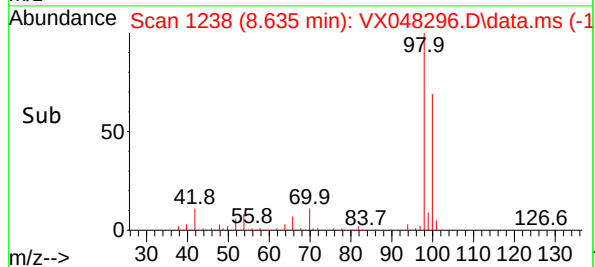
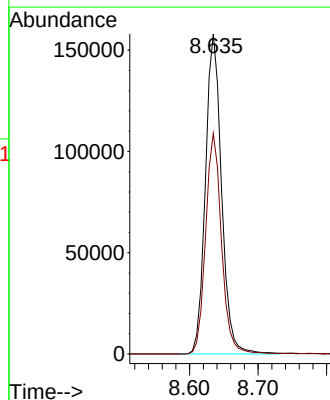
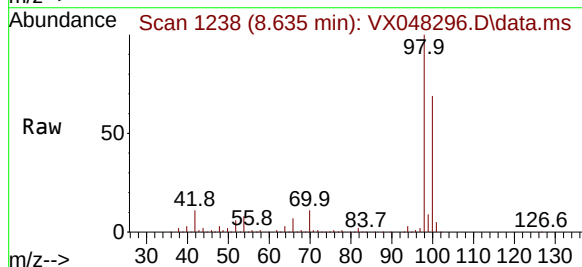
Acq: 22 Oct 2025 14:27

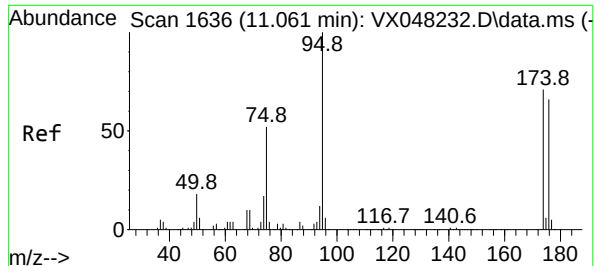
Tgt Ion: 98 Resp: 258836

Ion Ratio Lower Upper

98 100

100 68.0 53.0 79.4

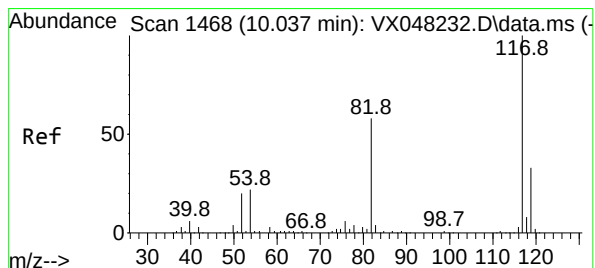
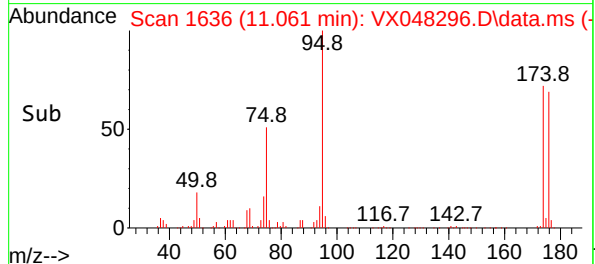
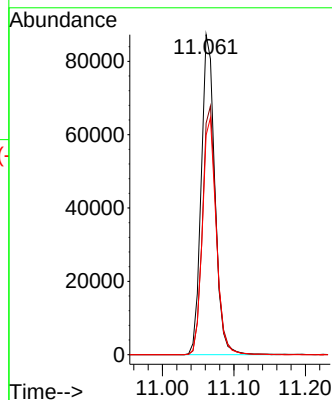
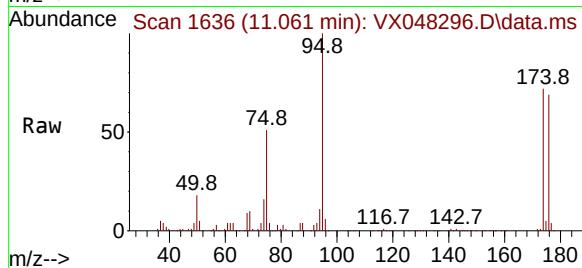




#62
4-Bromofluorobenzene
Concen: 47.487 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048296.D
Acq: 22 Oct 2025 14:27

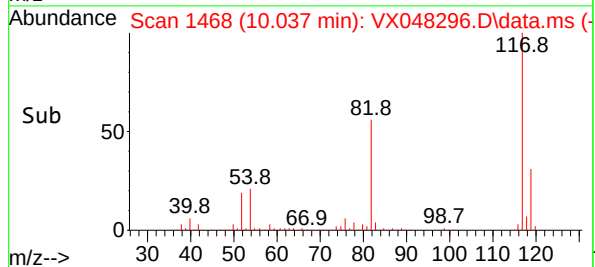
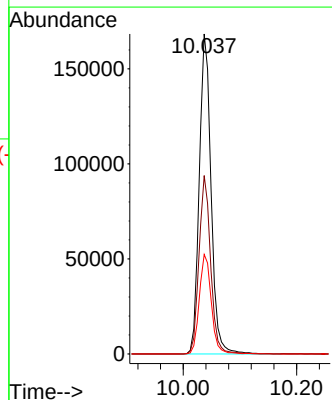
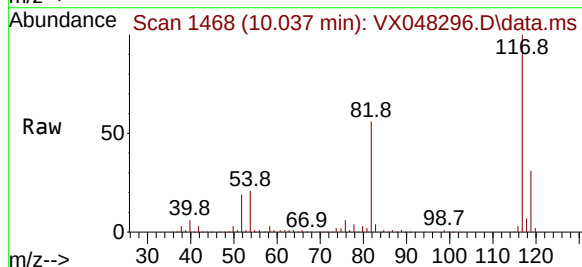
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

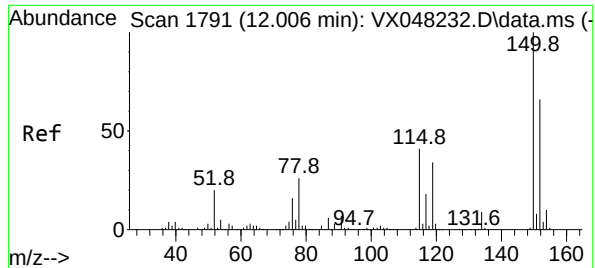
Tgt Ion: 95 Resp: 115329
Ion Ratio Lower Upper
95 100
174 78.6 0.0 147.8
176 75.4 0.0 142.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048296.D
Acq: 22 Oct 2025 14:27

Tgt Ion: 117 Resp: 242665
Ion Ratio Lower Upper
117 100
82 55.8 46.5 69.7
119 31.1 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048296.D

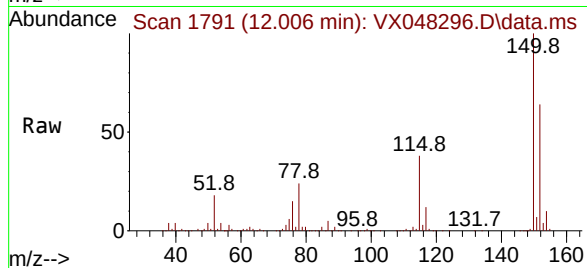
Acq: 22 Oct 2025 14:27

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6



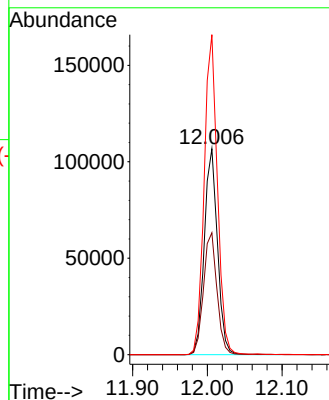
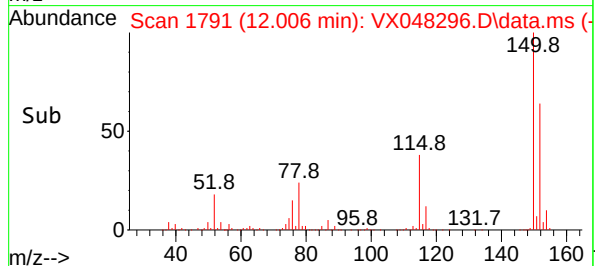
Tgt Ion:152 Resp: 130816

Ion Ratio Lower Upper

152 100

115 60.7 43.1 129.4

150 155.7 0.0 353.0



Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: STORAGE-BLANK-SOIL-1
 Lab Sample ID: Q3373-01RE
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 10/10/25
 Date Received: 10/17/25
 SDG No.: Q3373
 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	10/24/25 14:37	VN102425
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	10/24/25 14:37	VN102425
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	10/24/25 14:37	VN102425
141-78-6	Ethyl Acetate	0.31	U	1	0.31	1.00	ug/L	10/24/25 14:37	VN102425
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	10/24/25 14:37	VN102425
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	10/24/25 14:37	VN102425
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	10/24/25 14:37	VN102425
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	10/24/25 14:37	VN102425
75-65-0	Tert butyl alcohol	5.50	U	1	5.50	25.0	ug/L	10/24/25 14:37	VN102425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/24/25 14:37	VN102425
107-02-8	Acrolein	7.10	U	1	7.10	25.0	ug/L	10/24/25 14:37	VN102425
107-13-1	Acrylonitrile	0.83	U	1	0.83	5.00	ug/L	10/24/25 14:37	VN102425
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	10/24/25 14:37	VN102425
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	10/24/25 14:37	VN102425
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	10/24/25 14:37	VN102425
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	10/24/25 14:37	VN102425
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	10/24/25 14:37	VN102425
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/24/25 14:37	VN102425
108-05-4	Vinyl Acetate	0.66	U	1	0.66	5.00	ug/L	10/24/25 14:37	VN102425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	10/24/25 14:37	VN102425
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	10/24/25 14:37	VN102425
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	10/24/25 14:37	VN102425
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	10/24/25 14:37	VN102425
594-20-7	2,2-Dichloropropane	0.21	U	1	0.21	1.00	ug/L	10/24/25 14:37	VN102425
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	10/24/25 14:37	VN102425
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	10/24/25 14:37	VN102425
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	10/24/25 14:37	VN102425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	10/24/25 14:37	VN102425
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	10/24/25 14:37	VN102425
563-58-6	1,1-Dichloropropene	0.15	U	1	0.15	1.00	ug/L	10/24/25 14:37	VN102425
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	10/24/25 14:37	VN102425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	10/24/25 14:37	VN102425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	10/24/25 14:37	VN102425
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	10/24/25 14:37	VN102425
74-95-3	Dibromomethane	0.25	U	1	0.25	1.00	ug/L	10/24/25 14:37	VN102425
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	10/24/25 14:37	VN102425
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	10/24/25 14:37	VN102425
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	10/24/25 14:37	VN102425
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	10/24/25 14:37	VN102425
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	10/24/25 14:37	VN102425
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	10/24/25 14:37	VN102425
142-28-9	1,3-Dichloropropane	0.19	U	1	0.19	1.00	ug/L	10/24/25 14:37	VN102425
110-75-8	2-Chloroethyl Vinyl ether	0.30	U	1	0.30	5.00	ug/L	10/24/25 14:37	VN102425

Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: STORAGE-BLANK-SOIL-1
 Lab Sample ID: Q3373-01RE
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 10/10/25
 Date Received: 10/17/25
 SDG No.: Q3373
 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	10/24/25 14:37	VN102425
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	10/24/25 14:37	VN102425
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	10/24/25 14:37	VN102425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	10/24/25 14:37	VN102425
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	10/24/25 14:37	VN102425
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	1	0.19	1.00	ug/L	10/24/25 14:37	VN102425
67-72-1	Hexachloroethane	0.32	U	1	0.32	1.00	ug/L	10/24/25 14:37	VN102425
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	10/24/25 14:37	VN102425
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	10/24/25 14:37	VN102425
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	10/24/25 14:37	VN102425
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	10/24/25 14:37	VN102425
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	10/24/25 14:37	VN102425
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	10/24/25 14:37	VN102425
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	10/24/25 14:37	VN102425
96-18-4	1,2,3-Trichloropropane	0.35	U	1	0.35	1.00	ug/L	10/24/25 14:37	VN102425
108-86-1	Bromobenzene	0.24	U	1	0.24	1.00	ug/L	10/24/25 14:37	VN102425
103-65-1	n-propylbenzene	0.13	U	1	0.13	1.00	ug/L	10/24/25 14:37	VN102425
95-49-8	2-Chlorotoluene	0.14	U	1	0.14	1.00	ug/L	10/24/25 14:37	VN102425
108-67-8	1,3,5-Trimethylbenzene	0.15	U	1	0.15	1.00	ug/L	10/24/25 14:37	VN102425
106-43-4	4-Chlorotoluene	0.13	U	1	0.13	1.00	ug/L	10/24/25 14:37	VN102425
98-06-6	tert-Butylbenzene	0.14	U	1	0.14	1.00	ug/L	10/24/25 14:37	VN102425
95-63-6	1,2,4-Trimethylbenzene	0.14	U	1	0.14	1.00	ug/L	10/24/25 14:37	VN102425
135-98-8	sec-Butylbenzene	0.13	U	1	0.13	1.00	ug/L	10/24/25 14:37	VN102425
99-87-6	p-Isopropyltoluene	0.13	U	1	0.13	1.00	ug/L	10/24/25 14:37	VN102425
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/24/25 14:37	VN102425
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	10/24/25 14:37	VN102425
104-51-8	n-Butylbenzene	0.15	U	1	0.15	1.00	ug/L	10/24/25 14:37	VN102425
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/24/25 14:37	VN102425
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	10/24/25 14:37	VN102425
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/24/25 14:37	VN102425
87-68-3	Hexachlorobutadiene	0.30	U	1	0.30	1.00	ug/L	10/24/25 14:37	VN102425
91-20-3	Naphthalene	0.20	U	1	0.20	1.00	ug/L	10/24/25 14:37	VN102425
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/24/25 14:37	VN102425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	64.4	*	74 - 125	129%	SPK: 50
1868-53-7	Dibromofluoromethane	53.4		75 - 124	107%	SPK: 50
2037-26-5	Toluene-d8	49.9		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.1		77 - 121	112%	SPK: 50

INTERNAL STANDARDS**Area Count**

363-72-4	Pentafluorobenzene	245000
540-36-3	1,4-Difluorobenzene	553000
3114-55-4	Chlorobenzene-d5	541000
3855-82-1	1,4-Dichlorobenzene-d4	259000



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-1
Lab Sample ID: Q3373-01RE
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 10/10/25
Date Received: 10/17/25
SDG No.: Q3373
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\VN102425\
 Data File : VN088092.D
 Acq On : 24 Oct 2025 14:37
 Operator : JC\MD
 Sample : Q3373-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Oct 25 01:05:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	245209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	553144	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	540772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	258988	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	273052	64.396	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	128.800%#
35) Dibromofluoromethane	8.147	113	198567	53.435	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.860%
50) Toluene-d8	10.547	98	714108	49.873	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.740%
62) 4-Bromofluorobenzene	12.829	95	283566	56.076	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	112.160%

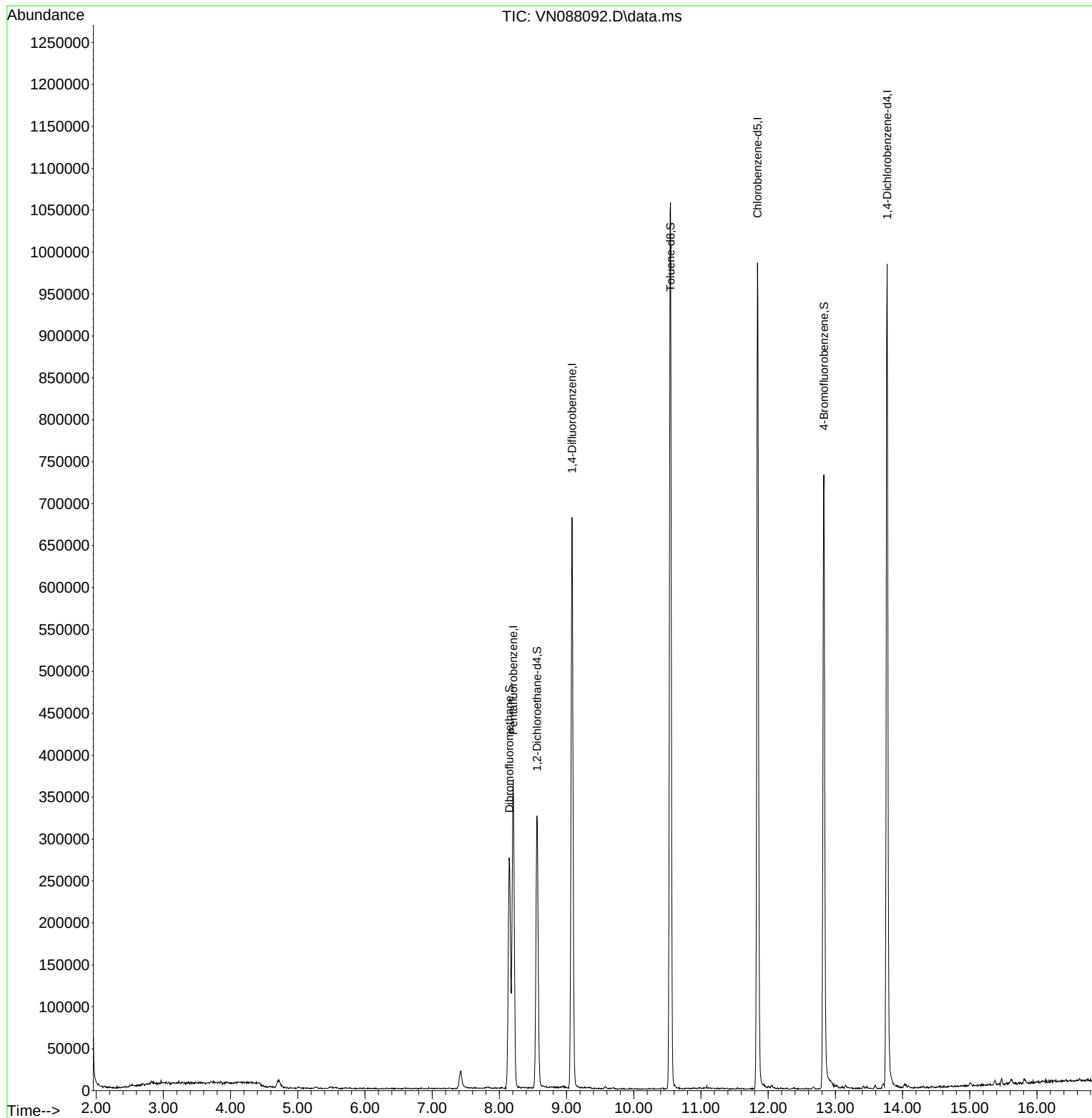
Target Compounds	Qvalue

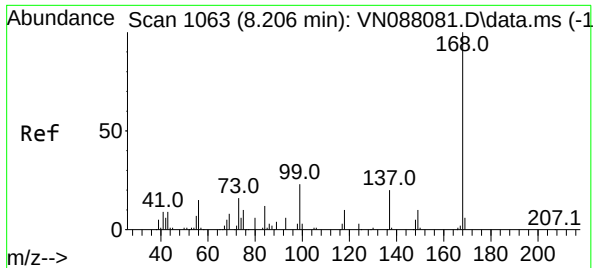
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
Data File : VN088092.D
Acq On : 24 Oct 2025 14:37
Operator : JC\MD
Sample : Q3373-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Oct 25 01:05:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

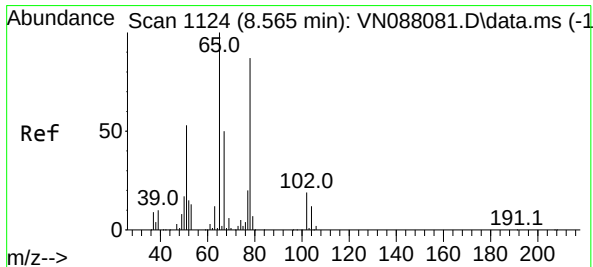
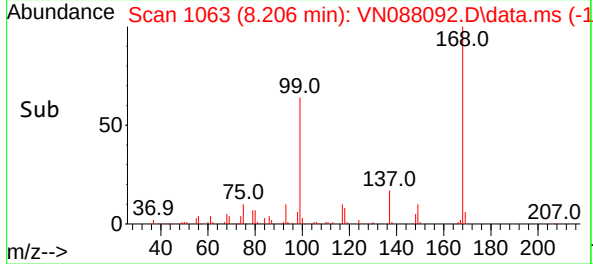
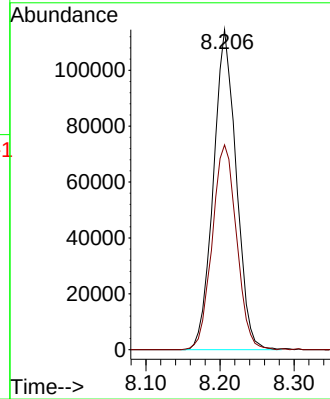
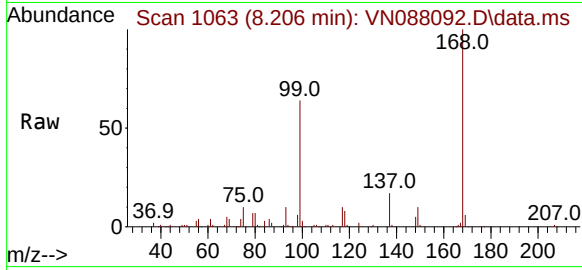




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088092.D
Acq: 24 Oct 2025 14:37

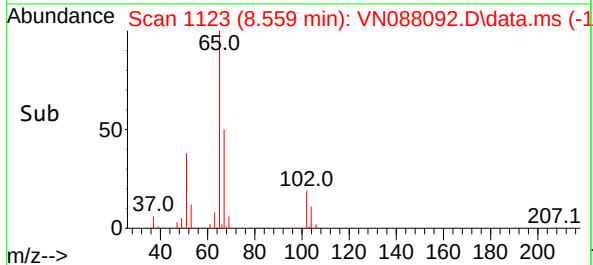
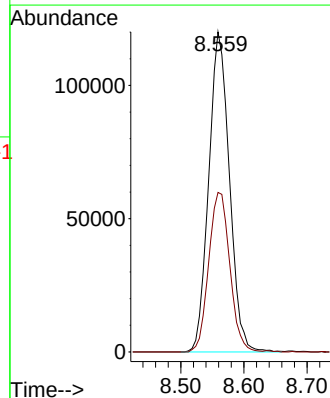
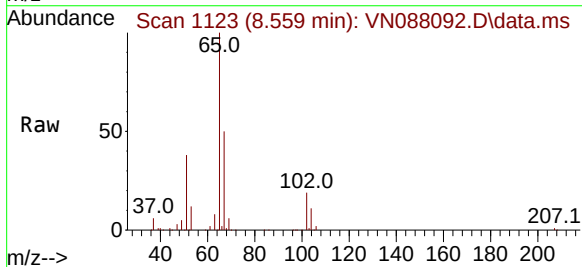
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

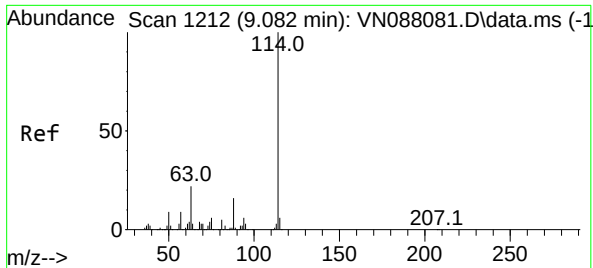
Tgt Ion:168 Resp: 245209
Ion Ratio Lower Upper
168 100
99 64.0 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 64.396 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088092.D
Acq: 24 Oct 2025 14:37

Tgt Ion: 65 Resp: 273052
Ion Ratio Lower Upper
65 100
67 50.8 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 114

Delta R.T. -0.000 min

Lab File: VN088092.D

Acq: 24 Oct 2025 14:37

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

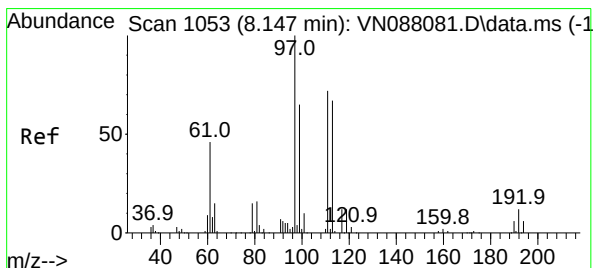
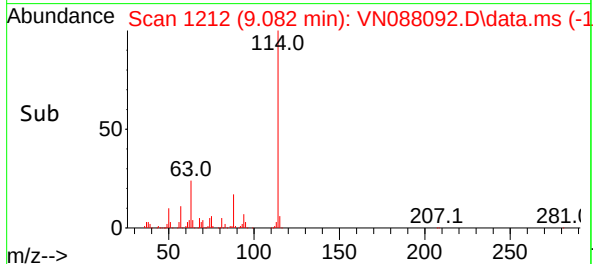
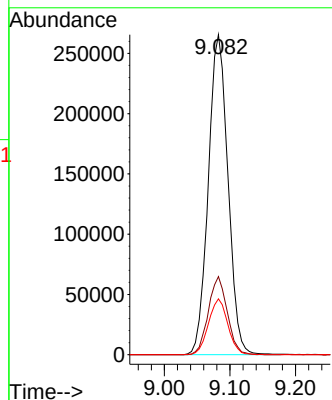
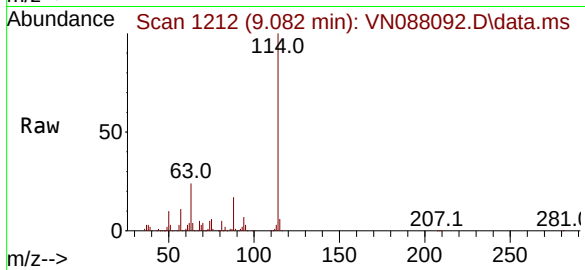
Tgt Ion:114 Resp: 553144

Ion Ratio Lower Upper

114 100

63 24.4 0.0 45.2

88 17.4 0.0 33.4



#35

Dibromofluoromethane

Concen: 53.435 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088092.D

Acq: 24 Oct 2025 14:37

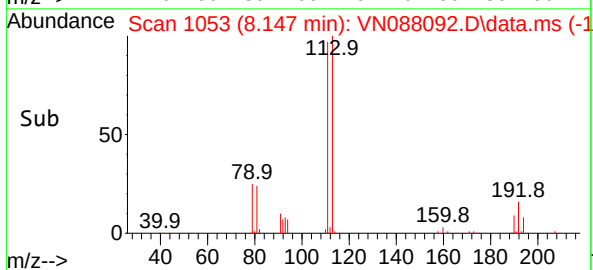
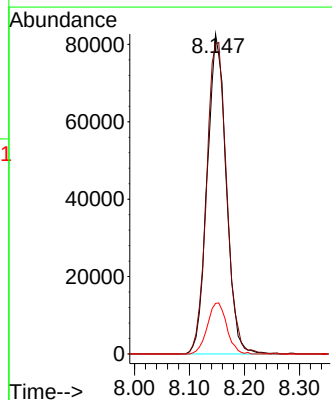
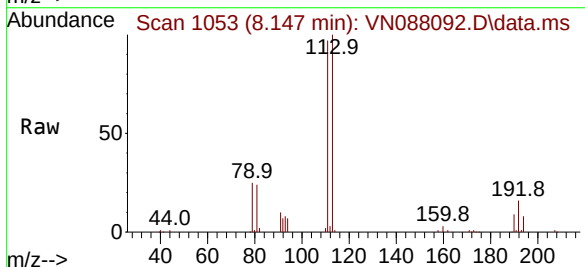
Tgt Ion:113 Resp: 198567

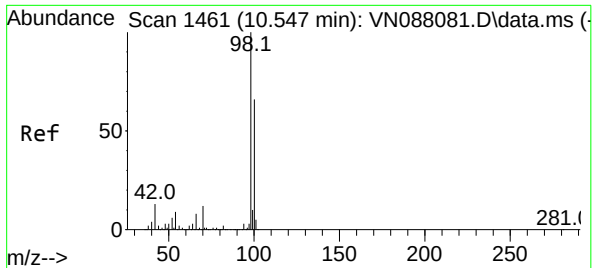
Ion Ratio Lower Upper

113 100

111 102.3 82.8 124.2

192 16.3 12.8 19.2

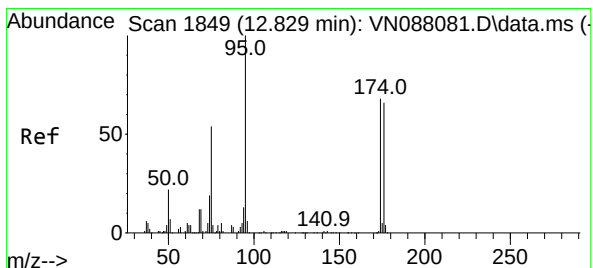
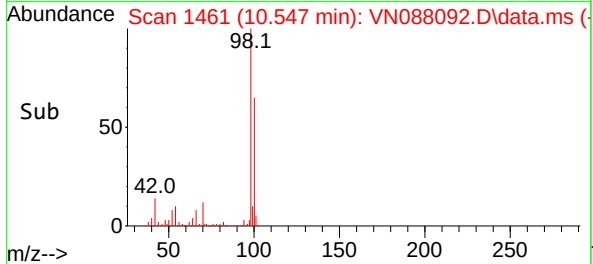
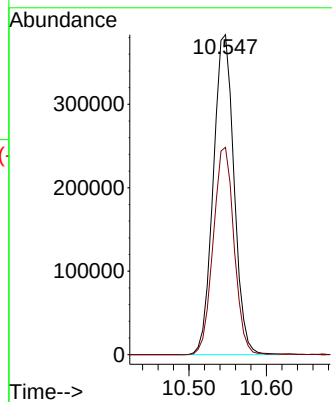
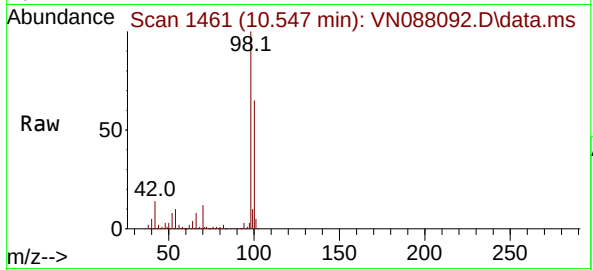




#50
Toluene-d8
Concen: 49.873 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088092.D
Acq: 24 Oct 2025 14:37

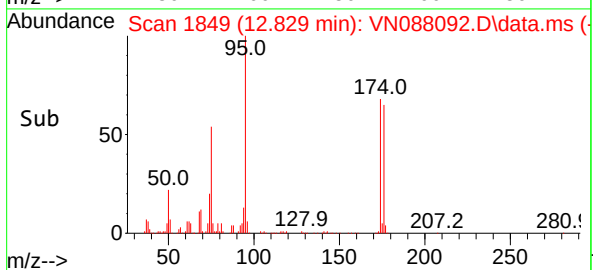
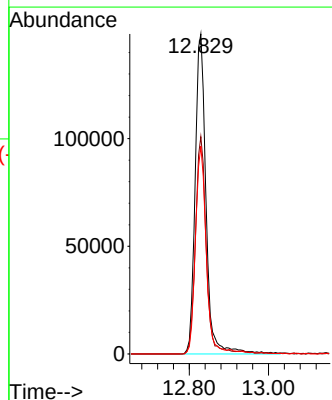
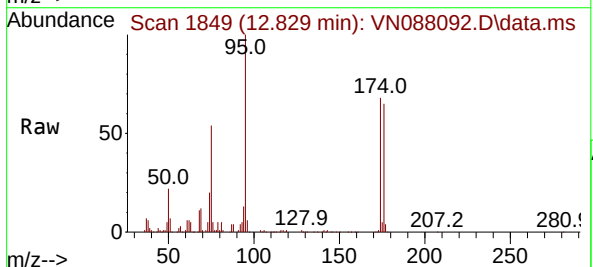
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

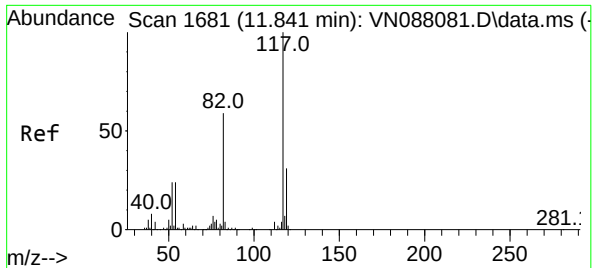
Tgt Ion: 98 Resp: 714108
Ion Ratio Lower Upper
98 100
100 65.1 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 56.076 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088092.D
Acq: 24 Oct 2025 14:37

Tgt Ion: 95 Resp: 283566
Ion Ratio Lower Upper
95 100
174 66.2 0.0 138.4
176 62.9 0.0 132.6

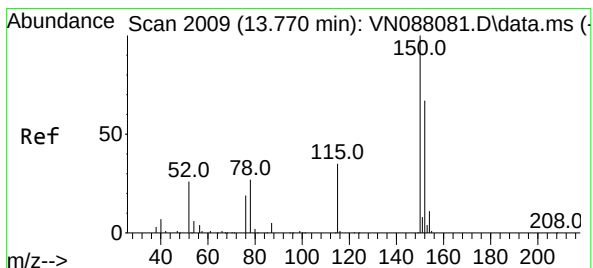
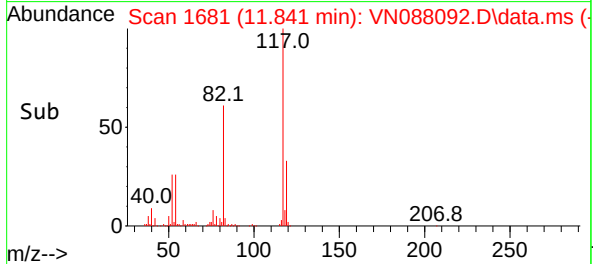
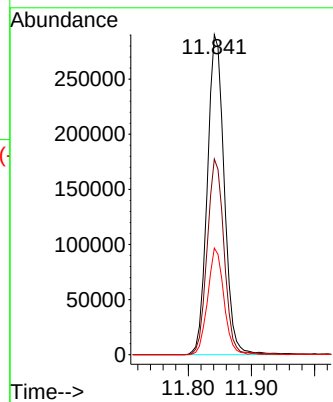
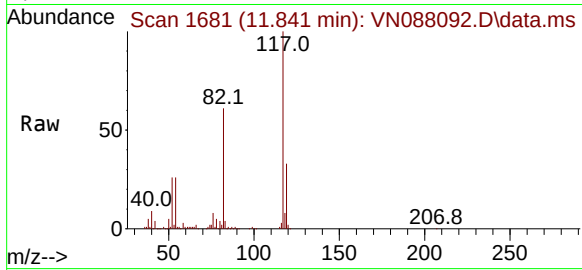




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088092.D
Acq: 24 Oct 2025 14:37

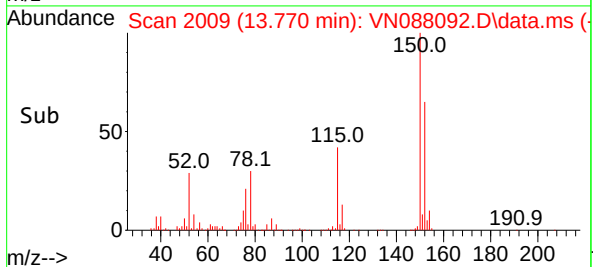
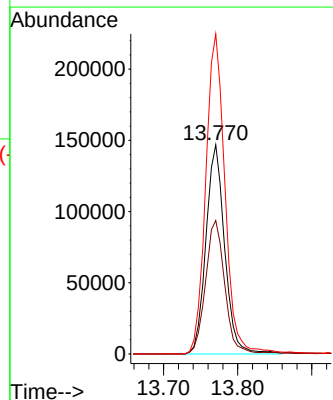
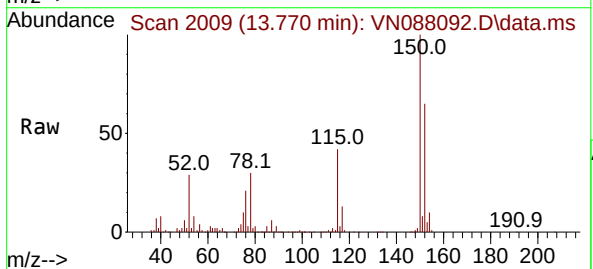
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Tgt Ion:117 Resp: 540772
Ion Ratio Lower Upper
117 100
82 61.1 47.4 71.2
119 33.3 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: VN088092.D
Acq: 24 Oct 2025 14:37

Tgt Ion:152 Resp: 258988
Ion Ratio Lower Upper
152 100
115 65.9 32.3 96.8
150 157.4 0.0 351.0



Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: STORAGE-BLANK-WATE
 Lab Sample ID: Q3373-02
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 10/10/25
 Date Received: 10/17/25
 SDG No.: Q3373
 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	10/24/25 14:58	VN102425
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	10/24/25 14:58	VN102425
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	10/24/25 14:58	VN102425
141-78-6	Ethyl Acetate	0.31	U	1	0.31	1.00	ug/L	10/24/25 14:58	VN102425
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	10/24/25 14:58	VN102425
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	10/24/25 14:58	VN102425
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	10/24/25 14:58	VN102425
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	10/24/25 14:58	VN102425
75-65-0	Tert butyl alcohol	5.50	U	1	5.50	25.0	ug/L	10/24/25 14:58	VN102425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/24/25 14:58	VN102425
107-02-8	Acrolein	7.10	U	1	7.10	25.0	ug/L	10/24/25 14:58	VN102425
107-13-1	Acrylonitrile	0.83	U	1	0.83	5.00	ug/L	10/24/25 14:58	VN102425
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	10/24/25 14:58	VN102425
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	10/24/25 14:58	VN102425
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	10/24/25 14:58	VN102425
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	10/24/25 14:58	VN102425
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	10/24/25 14:58	VN102425
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/24/25 14:58	VN102425
108-05-4	Vinyl Acetate	0.66	U	1	0.66	5.00	ug/L	10/24/25 14:58	VN102425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	10/24/25 14:58	VN102425
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	10/24/25 14:58	VN102425
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	10/24/25 14:58	VN102425
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	10/24/25 14:58	VN102425
594-20-7	2,2-Dichloropropane	0.21	U	1	0.21	1.00	ug/L	10/24/25 14:58	VN102425
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	10/24/25 14:58	VN102425
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	10/24/25 14:58	VN102425
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	10/24/25 14:58	VN102425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	10/24/25 14:58	VN102425
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	10/24/25 14:58	VN102425
563-58-6	1,1-Dichloropropene	0.15	U	1	0.15	1.00	ug/L	10/24/25 14:58	VN102425
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	10/24/25 14:58	VN102425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	10/24/25 14:58	VN102425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	10/24/25 14:58	VN102425
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	10/24/25 14:58	VN102425
74-95-3	Dibromomethane	0.25	U	1	0.25	1.00	ug/L	10/24/25 14:58	VN102425
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	10/24/25 14:58	VN102425
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	10/24/25 14:58	VN102425
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	10/24/25 14:58	VN102425
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	10/24/25 14:58	VN102425
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	10/24/25 14:58	VN102425
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	10/24/25 14:58	VN102425
142-28-9	1,3-Dichloropropane	0.19	U	1	0.19	1.00	ug/L	10/24/25 14:58	VN102425
110-75-8	2-Chloroethyl Vinyl ether	0.30	U	1	0.30	5.00	ug/L	10/24/25 14:58	VN102425

Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: STORAGE-BLANK-WATE
 Lab Sample ID: Q3373-02
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 10/10/25
 Date Received: 10/17/25
 SDG No.: Q3373
 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	10/24/25 14:58	VN102425
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	10/24/25 14:58	VN102425
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	10/24/25 14:58	VN102425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	10/24/25 14:58	VN102425
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	10/24/25 14:58	VN102425
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	1	0.19	1.00	ug/L	10/24/25 14:58	VN102425
67-72-1	Hexachloroethane	0.32	U	1	0.32	1.00	ug/L	10/24/25 14:58	VN102425
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	10/24/25 14:58	VN102425
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	10/24/25 14:58	VN102425
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	10/24/25 14:58	VN102425
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	10/24/25 14:58	VN102425
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	10/24/25 14:58	VN102425
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	10/24/25 14:58	VN102425
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	10/24/25 14:58	VN102425
96-18-4	1,2,3-Trichloropropane	0.35	U	1	0.35	1.00	ug/L	10/24/25 14:58	VN102425
108-86-1	Bromobenzene	0.24	U	1	0.24	1.00	ug/L	10/24/25 14:58	VN102425
103-65-1	n-propylbenzene	0.13	U	1	0.13	1.00	ug/L	10/24/25 14:58	VN102425
95-49-8	2-Chlorotoluene	0.14	U	1	0.14	1.00	ug/L	10/24/25 14:58	VN102425
108-67-8	1,3,5-Trimethylbenzene	0.15	U	1	0.15	1.00	ug/L	10/24/25 14:58	VN102425
106-43-4	4-Chlorotoluene	0.13	U	1	0.13	1.00	ug/L	10/24/25 14:58	VN102425
98-06-6	tert-Butylbenzene	0.14	U	1	0.14	1.00	ug/L	10/24/25 14:58	VN102425
95-63-6	1,2,4-Trimethylbenzene	0.14	U	1	0.14	1.00	ug/L	10/24/25 14:58	VN102425
135-98-8	sec-Butylbenzene	0.13	U	1	0.13	1.00	ug/L	10/24/25 14:58	VN102425
99-87-6	p-Isopropyltoluene	0.13	U	1	0.13	1.00	ug/L	10/24/25 14:58	VN102425
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/24/25 14:58	VN102425
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	10/24/25 14:58	VN102425
104-51-8	n-Butylbenzene	0.15	U	1	0.15	1.00	ug/L	10/24/25 14:58	VN102425
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/24/25 14:58	VN102425
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	10/24/25 14:58	VN102425
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/24/25 14:58	VN102425
87-68-3	Hexachlorobutadiene	0.30	U	1	0.30	1.00	ug/L	10/24/25 14:58	VN102425
91-20-3	Naphthalene	0.20	U	1	0.20	1.00	ug/L	10/24/25 14:58	VN102425
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/24/25 14:58	VN102425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	59.3		74 - 125	119%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	50.0		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.2		77 - 121	106%	SPK: 50

INTERNAL STANDARDS

Area Count

363-72-4	Pentafluorobenzene	217000
540-36-3	1,4-Difluorobenzene	476000
3114-55-4	Chlorobenzene-d5	452000
3855-82-1	1,4-Dichlorobenzene-d4	219000



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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/10/25
Project:	Weekly Storage Blanks	Date Received:	10/17/25
Client Sample ID:	STORAGE-BLANK-WATE	SDG No.:	Q3373
Lab Sample ID:	Q3373-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 mL	Test:	VOC- Chemtech Full
	Level: LOW		
	Final Vol: 5000 uL		

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\VN102425\
 Data File : VN088093.D
 Acq On : 24 Oct 2025 14:58
 Operator : JC\MD
 Sample : Q3373-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Oct 25 01:06:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	217298	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	476484	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	451784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	219310	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	222828	59.302	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	118.600%
35) Dibromofluoromethane	8.153	113	167694	52.387	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.780%
50) Toluene-d8	10.547	98	616803	50.008	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.020%
62) 4-Bromofluorobenzene	12.829	95	231611	53.171	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	106.340%

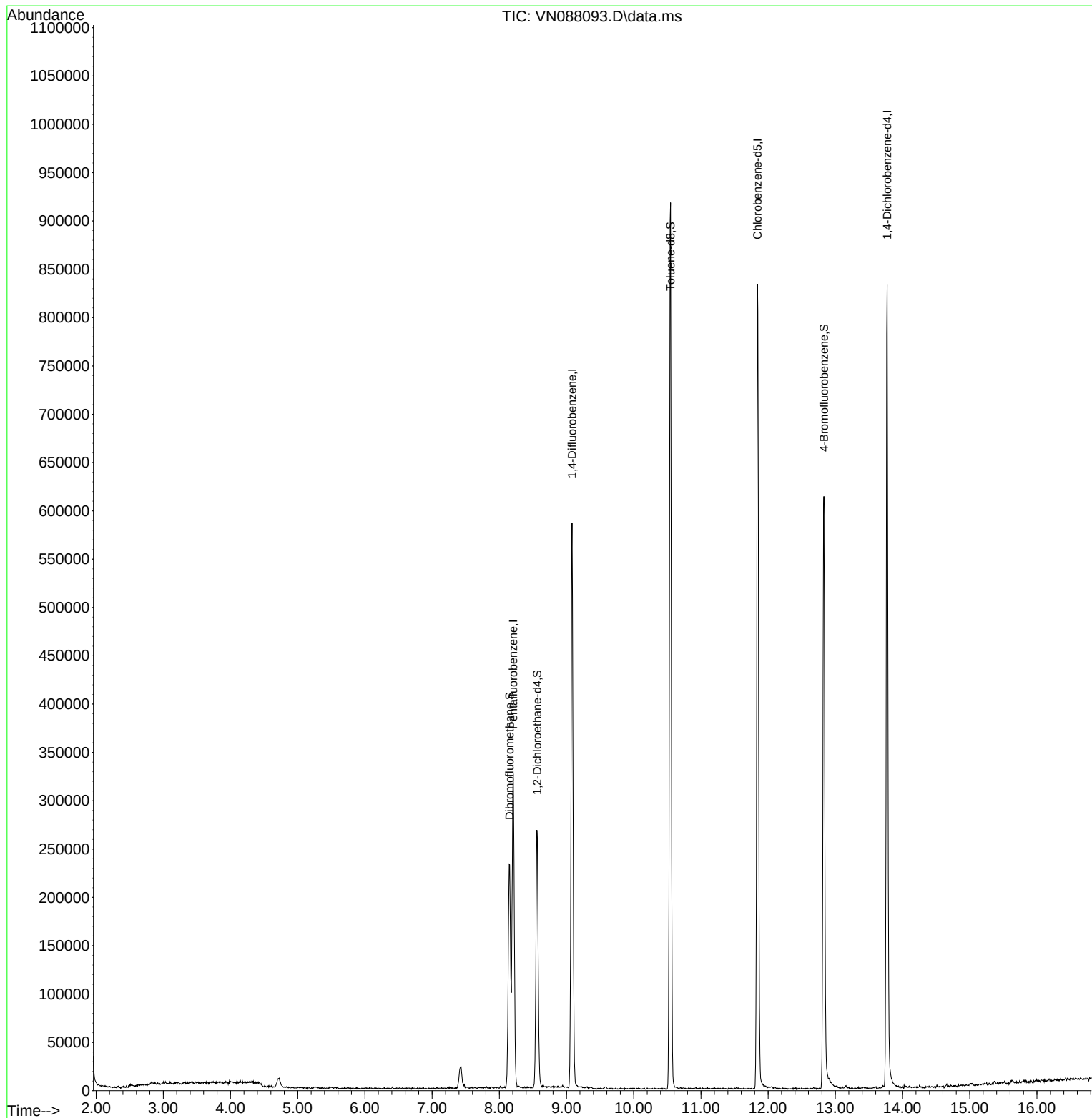
Target Compounds	Qvalue

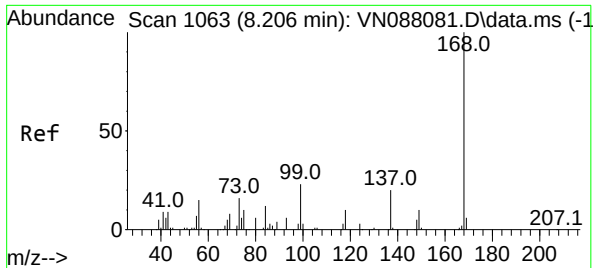
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
Data File : VN088093.D
Acq On : 24 Oct 2025 14:58
Operator : JC\MD
Sample : Q3373-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Oct 25 01:06:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

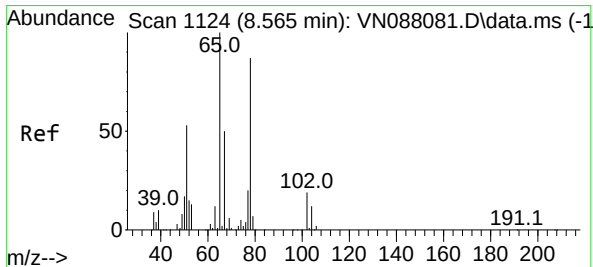
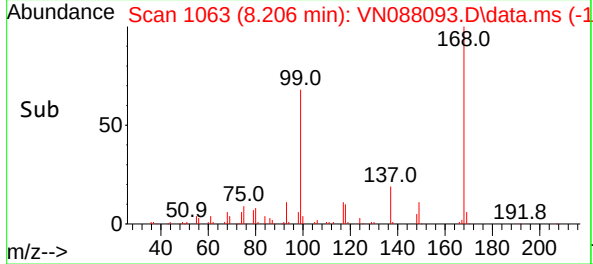
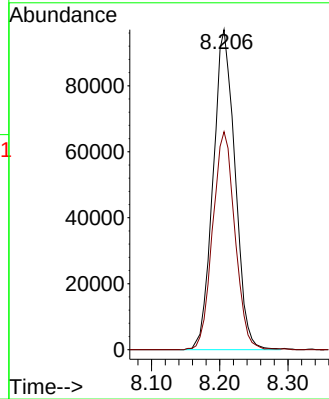
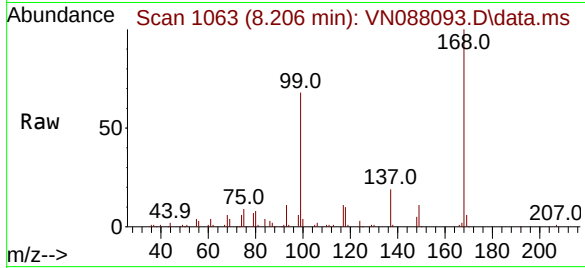




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088093.D
Acq: 24 Oct 2025 14:58

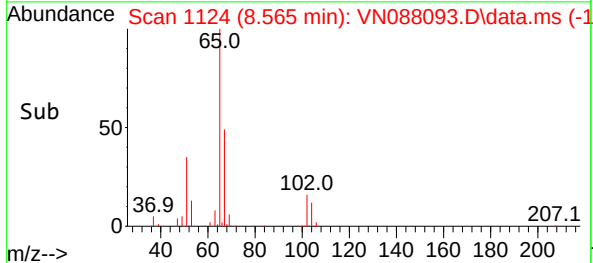
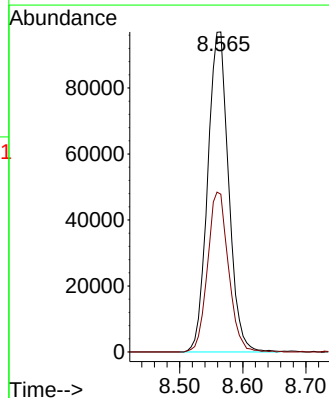
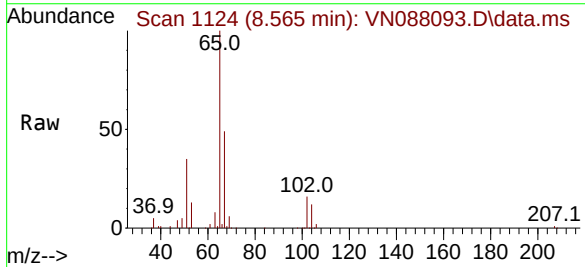
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

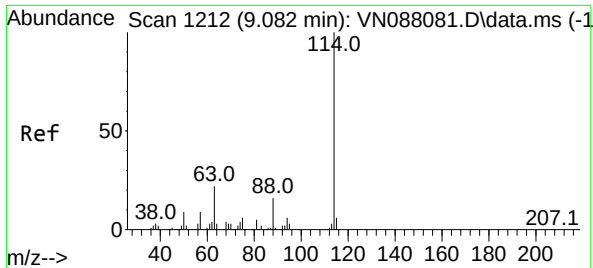
Tgt Ion:168 Resp: 217298
Ion Ratio Lower Upper
168 100
99 68.1 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 59.302 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN088093.D
Acq: 24 Oct 2025 14:58

Tgt Ion: 65 Resp: 222828
Ion Ratio Lower Upper
65 100
67 50.1 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: VN088093.D

Acq: 24 Oct 2025 14:58

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

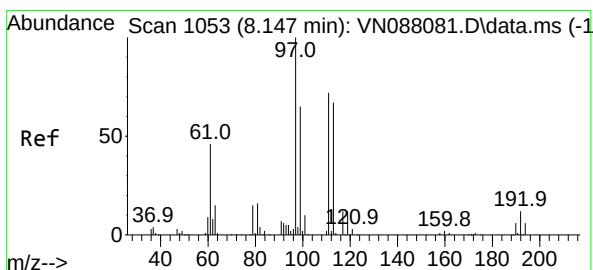
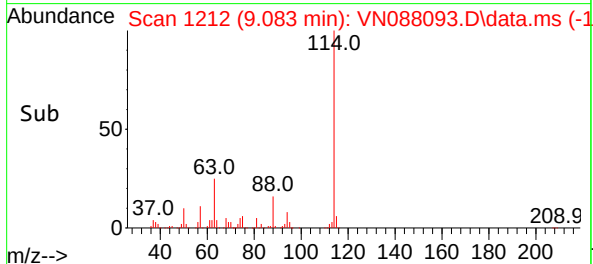
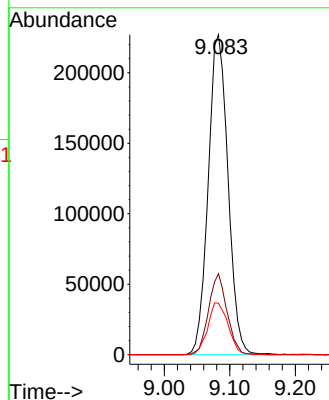
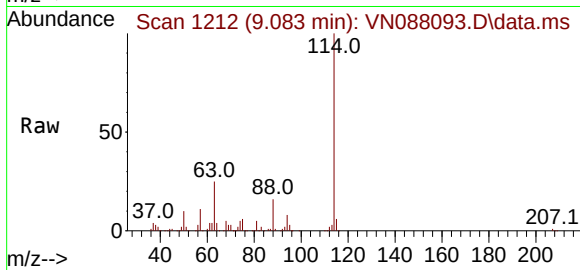
Tgt Ion:114 Resp: 476484

Ion Ratio Lower Upper

114 100

63 25.3 0.0 45.2

88 16.1 0.0 33.4



#35

Dibromofluoromethane

Concen: 52.387 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.000 min

Lab File: VN088093.D

Acq: 24 Oct 2025 14:58

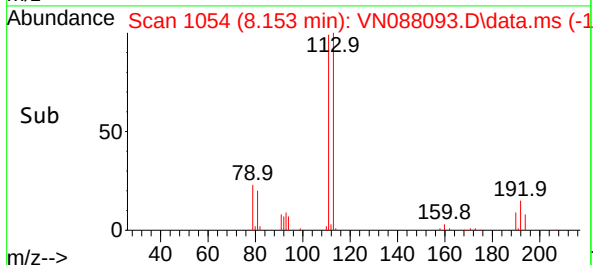
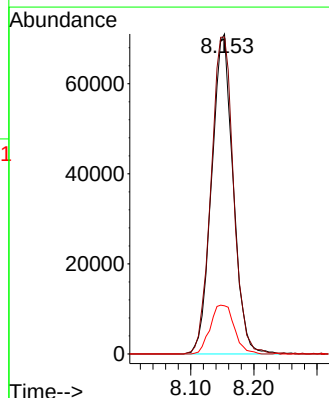
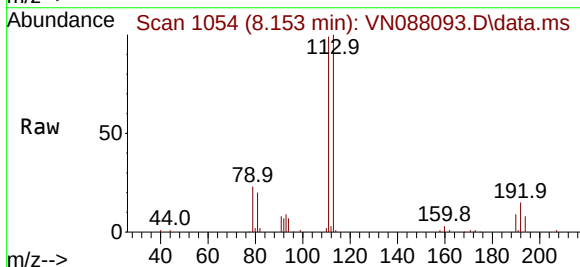
Tgt Ion:113 Resp: 167694

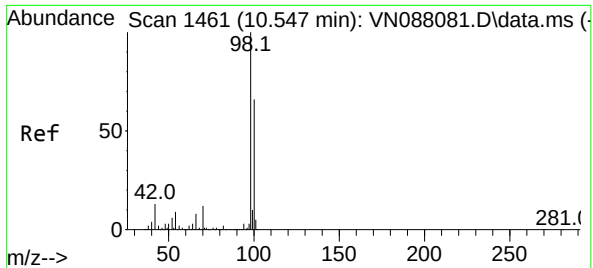
Ion Ratio Lower Upper

113 100

111 103.8 82.8 124.2

192 17.0 12.8 19.2

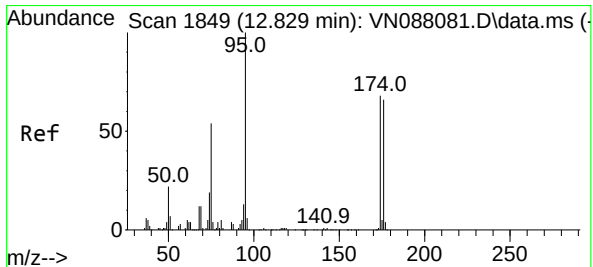
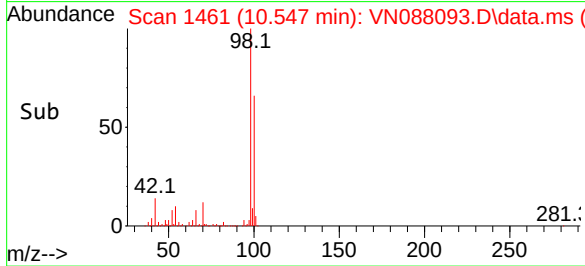
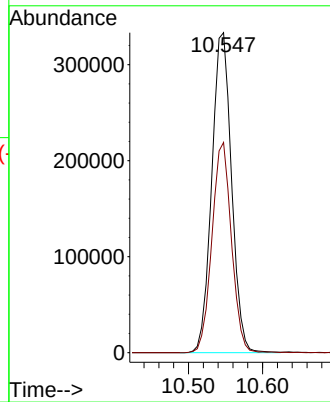
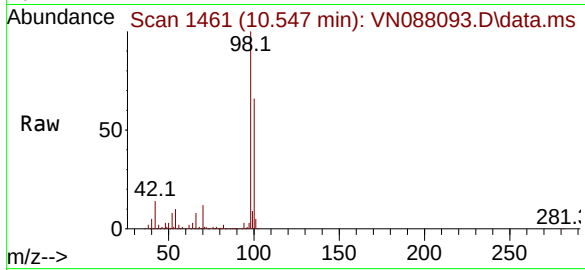




#50
Toluene-d8
Concen: 50.008 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088093.D
Acq: 24 Oct 2025 14:58

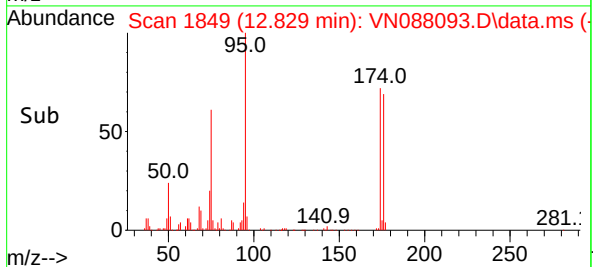
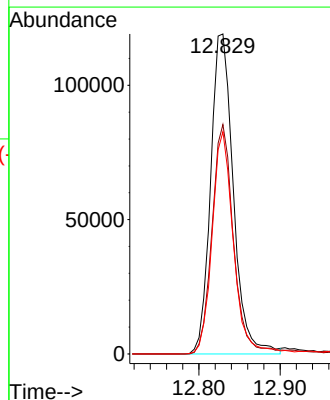
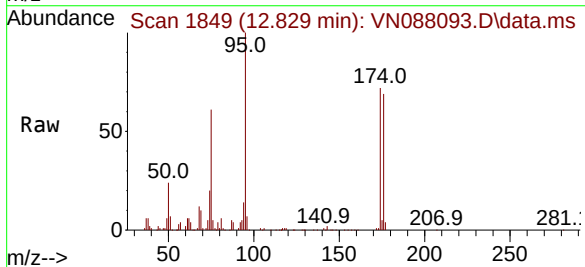
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

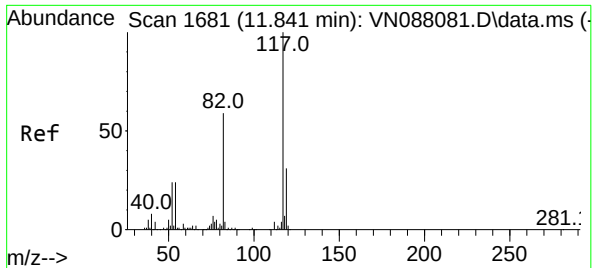
Tgt Ion: 98 Resp: 616803
Ion Ratio Lower Upper
98 100
100 64.7 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 53.171 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088093.D
Acq: 24 Oct 2025 14:58

Tgt Ion: 95 Resp: 231611
Ion Ratio Lower Upper
95 100
174 69.6 0.0 138.4
176 65.4 0.0 132.6

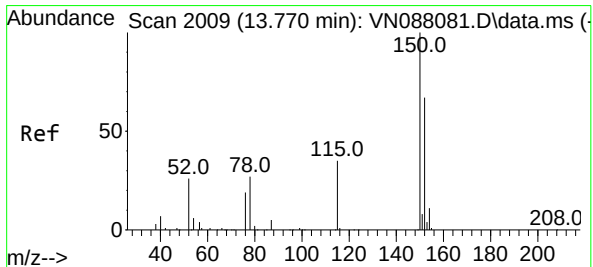
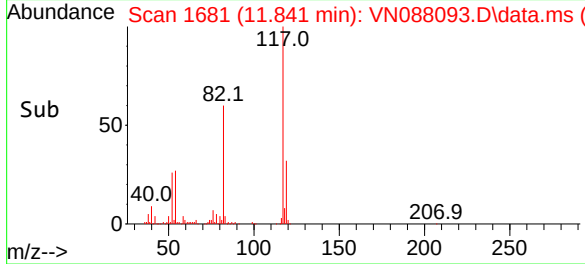
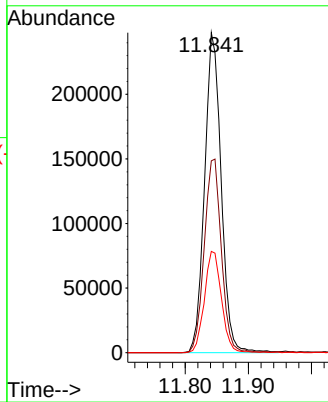
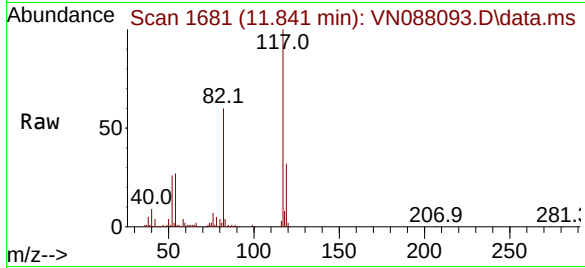




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088093.D
Acq: 24 Oct 2025 14:58

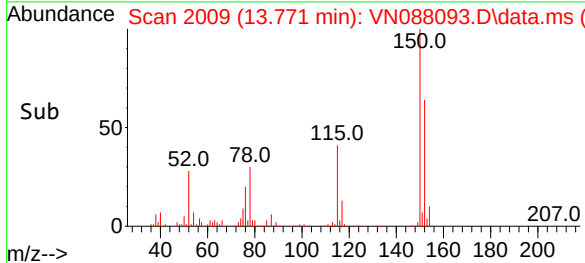
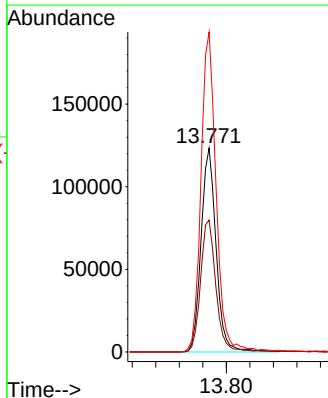
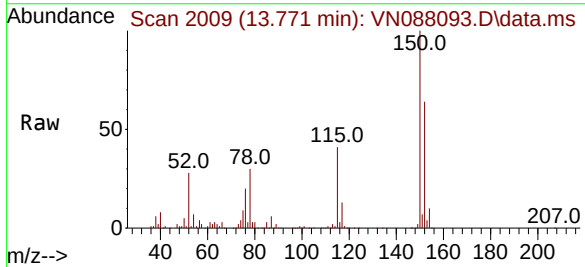
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

Tgt Ion:117 Resp: 451784
Ion Ratio Lower Upper
117 100
82 60.0 47.4 71.2
119 31.7 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: VN088093.D
Acq: 24 Oct 2025 14:58

Tgt Ion:152 Resp: 219310
Ion Ratio Lower Upper
152 100
115 65.4 32.3 96.8
150 158.4 0.0 351.0



Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: STORAGE-BLANK-WATE
 Lab Sample ID: Q3373-03
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 10/10/25
 Date Received: 10/17/25
 SDG No.: Q3373
 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	10/24/25 15:18	VN102425
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	10/24/25 15:18	VN102425
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	10/24/25 15:18	VN102425
141-78-6	Ethyl Acetate	0.31	U	1	0.31	1.00	ug/L	10/24/25 15:18	VN102425
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	10/24/25 15:18	VN102425
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	10/24/25 15:18	VN102425
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	10/24/25 15:18	VN102425
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	10/24/25 15:18	VN102425
75-65-0	Tert butyl alcohol	5.50	U	1	5.50	25.0	ug/L	10/24/25 15:18	VN102425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/24/25 15:18	VN102425
107-02-8	Acrolein	7.10	U	1	7.10	25.0	ug/L	10/24/25 15:18	VN102425
107-13-1	Acrylonitrile	0.83	U	1	0.83	5.00	ug/L	10/24/25 15:18	VN102425
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	10/24/25 15:18	VN102425
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	10/24/25 15:18	VN102425
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	10/24/25 15:18	VN102425
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	10/24/25 15:18	VN102425
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	10/24/25 15:18	VN102425
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/24/25 15:18	VN102425
108-05-4	Vinyl Acetate	0.66	U	1	0.66	5.00	ug/L	10/24/25 15:18	VN102425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	10/24/25 15:18	VN102425
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	10/24/25 15:18	VN102425
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	10/24/25 15:18	VN102425
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	10/24/25 15:18	VN102425
594-20-7	2,2-Dichloropropane	0.21	U	1	0.21	1.00	ug/L	10/24/25 15:18	VN102425
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	10/24/25 15:18	VN102425
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	10/24/25 15:18	VN102425
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	10/24/25 15:18	VN102425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	10/24/25 15:18	VN102425
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	10/24/25 15:18	VN102425
563-58-6	1,1-Dichloropropene	0.15	U	1	0.15	1.00	ug/L	10/24/25 15:18	VN102425
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	10/24/25 15:18	VN102425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	10/24/25 15:18	VN102425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	10/24/25 15:18	VN102425
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	10/24/25 15:18	VN102425
74-95-3	Dibromomethane	0.25	U	1	0.25	1.00	ug/L	10/24/25 15:18	VN102425
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	10/24/25 15:18	VN102425
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	10/24/25 15:18	VN102425
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	10/24/25 15:18	VN102425
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	10/24/25 15:18	VN102425
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	10/24/25 15:18	VN102425
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	10/24/25 15:18	VN102425
142-28-9	1,3-Dichloropropane	0.19	U	1	0.19	1.00	ug/L	10/24/25 15:18	VN102425
110-75-8	2-Chloroethyl Vinyl ether	0.30	U	1	0.30	5.00	ug/L	10/24/25 15:18	VN102425

Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: STORAGE-BLANK-WATE
 Lab Sample ID: Q3373-03
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 10/10/25
 Date Received: 10/17/25
 SDG No.: Q3373
 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	10/24/25 15:18	VN102425
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	10/24/25 15:18	VN102425
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	10/24/25 15:18	VN102425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	10/24/25 15:18	VN102425
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	10/24/25 15:18	VN102425
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	1	0.19	1.00	ug/L	10/24/25 15:18	VN102425
67-72-1	Hexachloroethane	0.32	U	1	0.32	1.00	ug/L	10/24/25 15:18	VN102425
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	10/24/25 15:18	VN102425
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	10/24/25 15:18	VN102425
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	10/24/25 15:18	VN102425
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	10/24/25 15:18	VN102425
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	10/24/25 15:18	VN102425
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	10/24/25 15:18	VN102425
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	10/24/25 15:18	VN102425
96-18-4	1,2,3-Trichloropropane	0.35	U	1	0.35	1.00	ug/L	10/24/25 15:18	VN102425
108-86-1	Bromobenzene	0.24	U	1	0.24	1.00	ug/L	10/24/25 15:18	VN102425
103-65-1	n-propylbenzene	0.13	U	1	0.13	1.00	ug/L	10/24/25 15:18	VN102425
95-49-8	2-Chlorotoluene	0.14	U	1	0.14	1.00	ug/L	10/24/25 15:18	VN102425
108-67-8	1,3,5-Trimethylbenzene	0.15	U	1	0.15	1.00	ug/L	10/24/25 15:18	VN102425
106-43-4	4-Chlorotoluene	0.13	U	1	0.13	1.00	ug/L	10/24/25 15:18	VN102425
98-06-6	tert-Butylbenzene	0.14	U	1	0.14	1.00	ug/L	10/24/25 15:18	VN102425
95-63-6	1,2,4-Trimethylbenzene	0.14	U	1	0.14	1.00	ug/L	10/24/25 15:18	VN102425
135-98-8	sec-Butylbenzene	0.13	U	1	0.13	1.00	ug/L	10/24/25 15:18	VN102425
99-87-6	p-Isopropyltoluene	0.13	U	1	0.13	1.00	ug/L	10/24/25 15:18	VN102425
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/24/25 15:18	VN102425
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	10/24/25 15:18	VN102425
104-51-8	n-Butylbenzene	0.15	U	1	0.15	1.00	ug/L	10/24/25 15:18	VN102425
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/24/25 15:18	VN102425
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	10/24/25 15:18	VN102425
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/24/25 15:18	VN102425
87-68-3	Hexachlorobutadiene	0.30	U	1	0.30	1.00	ug/L	10/24/25 15:18	VN102425
91-20-3	Naphthalene	0.20	U	1	0.20	1.00	ug/L	10/24/25 15:18	VN102425
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/24/25 15:18	VN102425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	59.0		74 - 125	118%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	49.1		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.5		77 - 121	105%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	218000
540-36-3	1,4-Difluorobenzene	488000
3114-55-4	Chlorobenzene-d5	461000
3855-82-1	1,4-Dichlorobenzene-d4	220000



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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/10/25
Project:	Weekly Storage Blanks	Date Received:	10/17/25
Client Sample ID:	STORAGE-BLANK-WATE	SDG No.:	Q3373
Lab Sample ID:	Q3373-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 mL	Test:	VOC- Chemtech Full
	Level: LOW		
	Final Vol: 5000 uL		

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\VN102425\
 Data File : VN088094.D
 Acq On : 24 Oct 2025 15:18
 Operator : JC\MD
 Sample : Q3373-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Oct 25 01:06:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	218186	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	487721	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	460792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	220162	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	222419	58.952	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	117.900%
35) Dibromofluoromethane	8.147	113	168734	51.498	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.000%
50) Toluene-d8	10.547	98	619295	49.053	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.100%
62) 4-Bromofluorobenzene	12.829	95	233978	52.477	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.960%

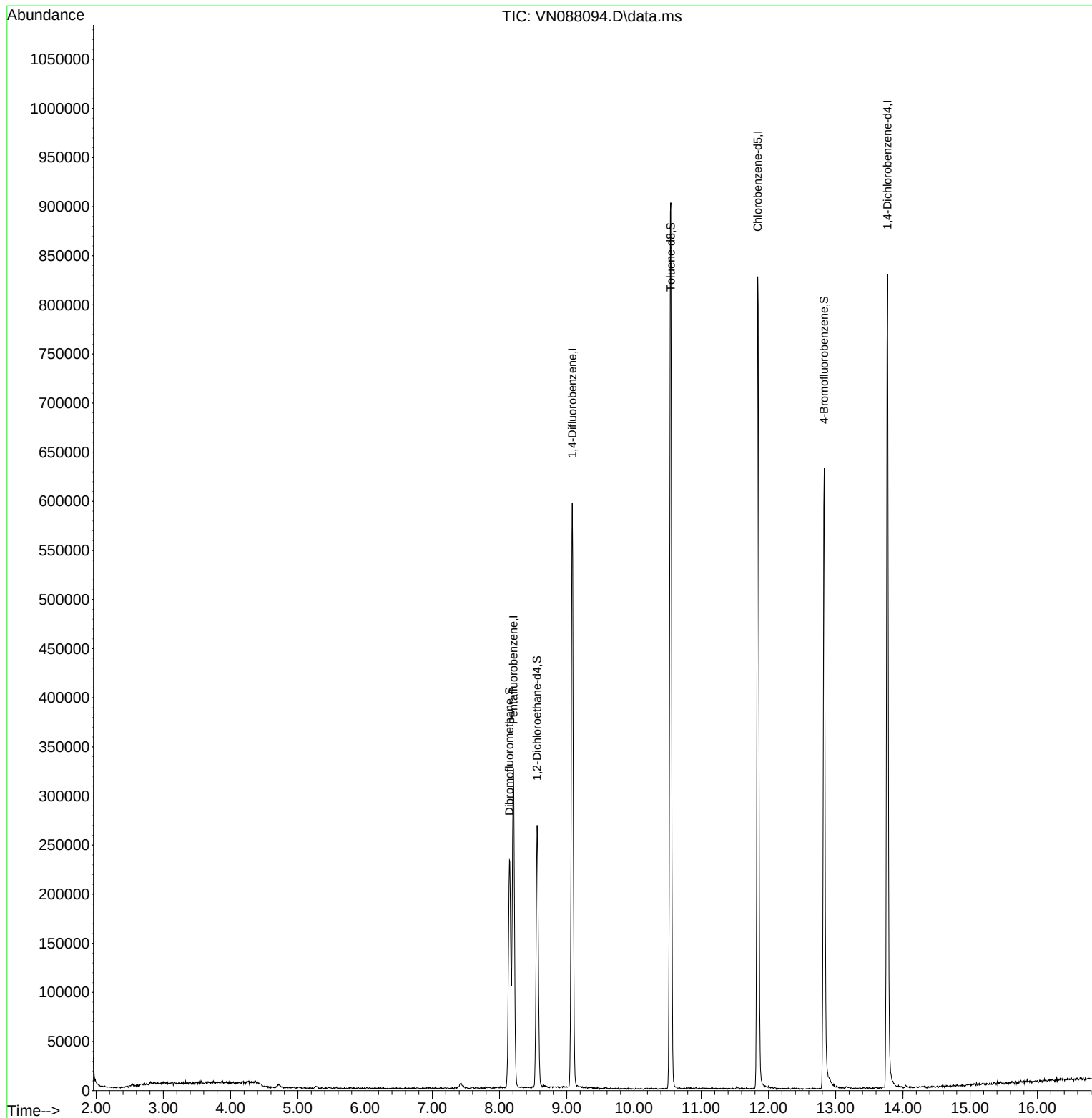
Target Compounds	Qvalue

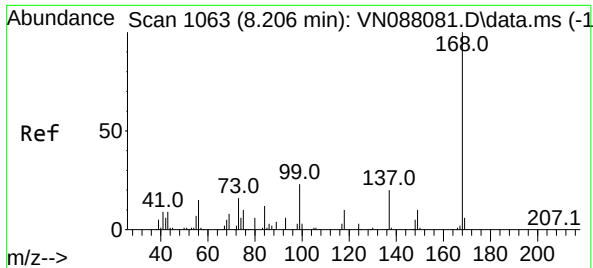
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
Data File : VN088094.D
Acq On : 24 Oct 2025 15:18
Operator : JC\MD
Sample : Q3373-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Oct 25 01:06:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

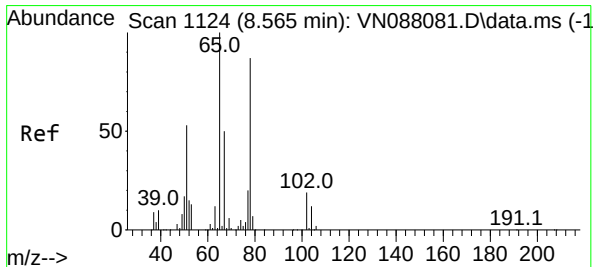
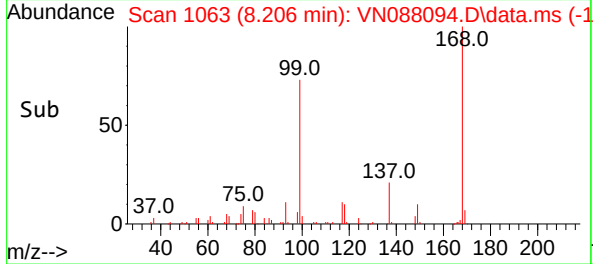
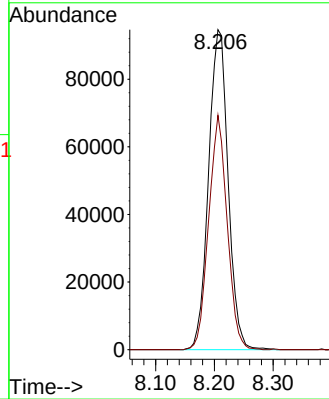
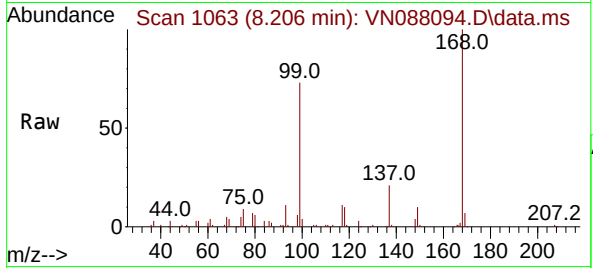




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088094.D
Acq: 24 Oct 2025 15:18

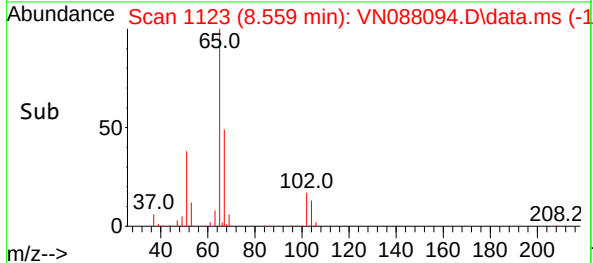
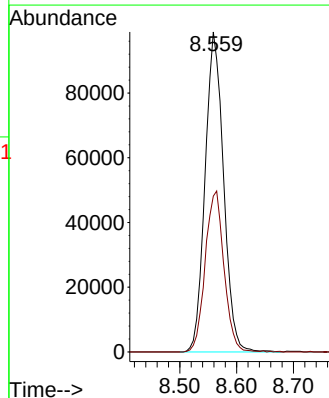
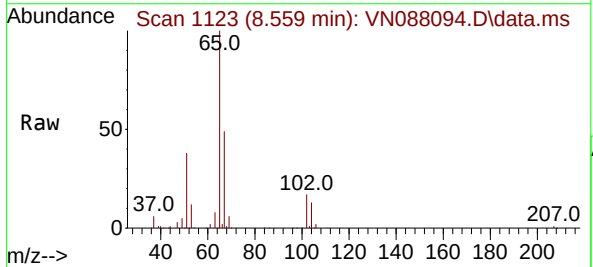
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

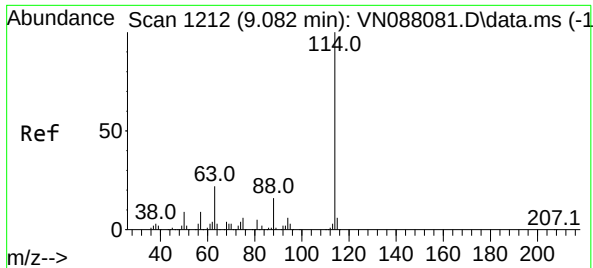
Tgt Ion:168 Resp: 218186
Ion Ratio Lower Upper
168 100
99 73.3 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 58.952 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088094.D
Acq: 24 Oct 2025 15:18

Tgt Ion: 65 Resp: 222419
Ion Ratio Lower Upper
65 100
67 51.2 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN088094.D

Acq: 24 Oct 2025 15:18

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

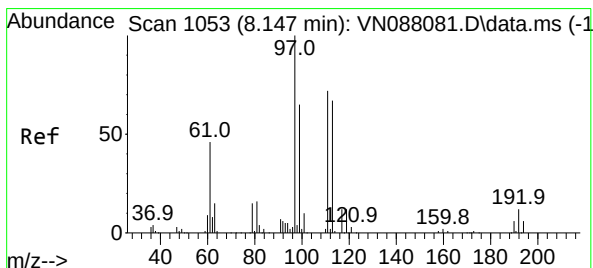
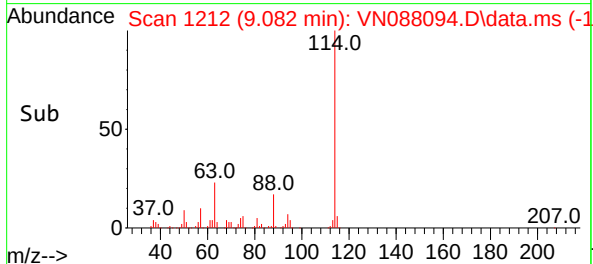
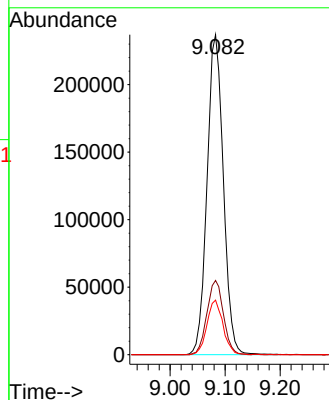
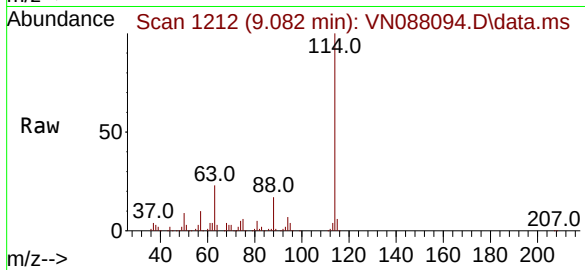
Tgt Ion:114 Resp: 487721

Ion Ratio Lower Upper

114 100

63 23.2 0.0 45.2

88 17.1 0.0 33.4



#35

Dibromofluoromethane

Concen: 51.498 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088094.D

Acq: 24 Oct 2025 15:18

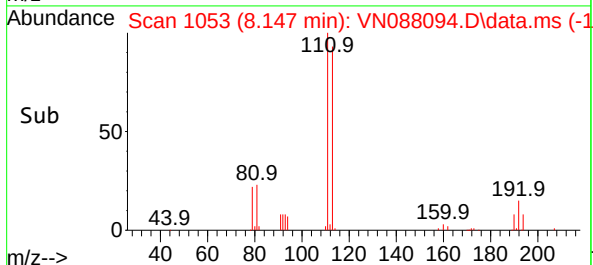
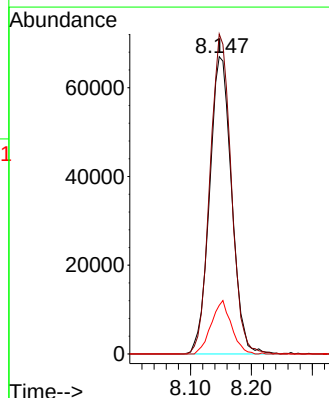
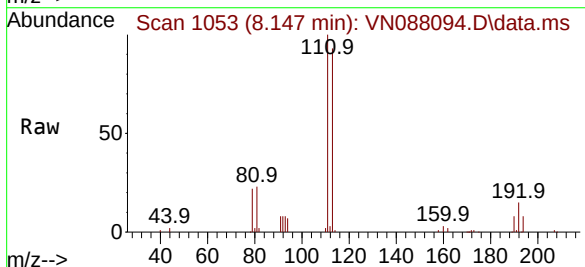
Tgt Ion:113 Resp: 168734

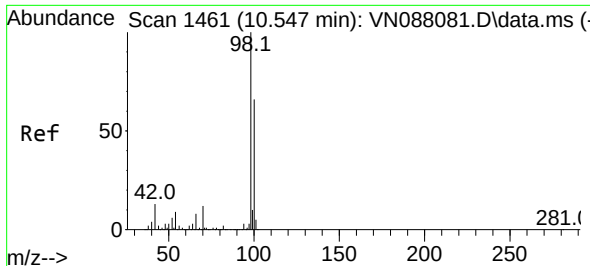
Ion Ratio Lower Upper

113 100

111 103.5 82.8 124.2

192 16.4 12.8 19.2

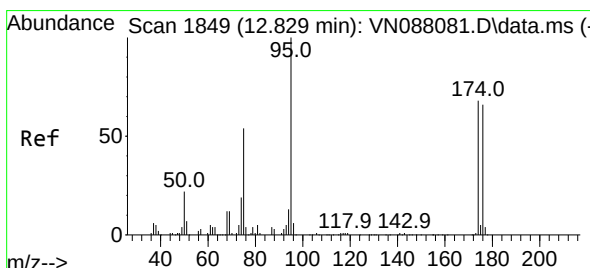
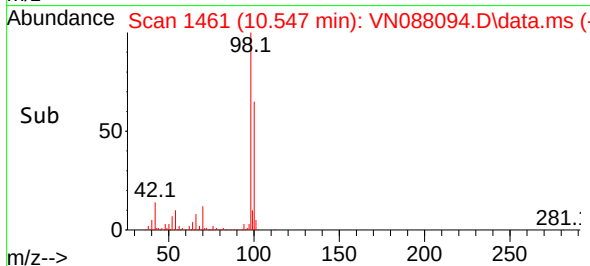
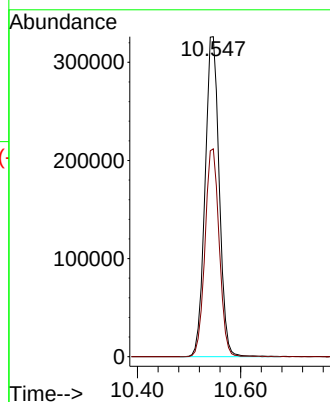
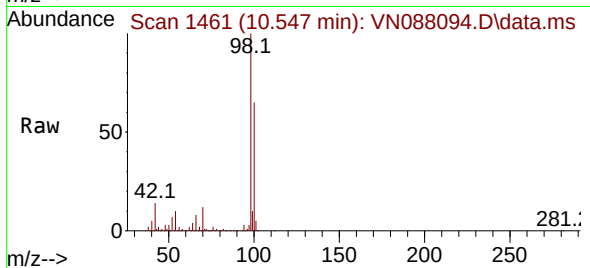




#50
Toluene-d8
Concen: 49.053 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088094.D
Acq: 24 Oct 2025 15:18

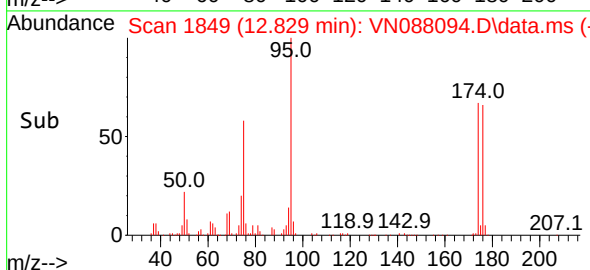
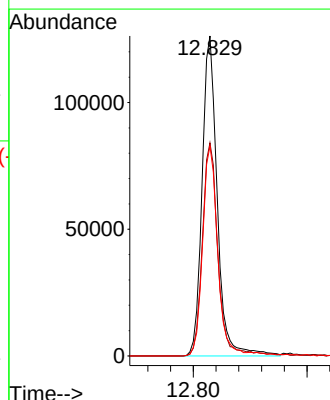
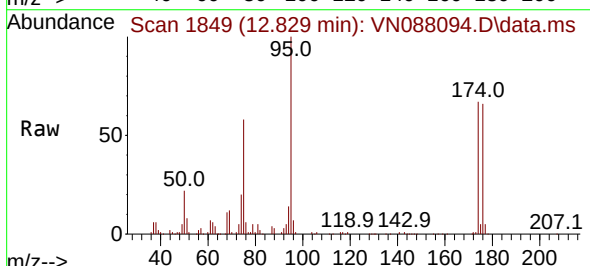
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

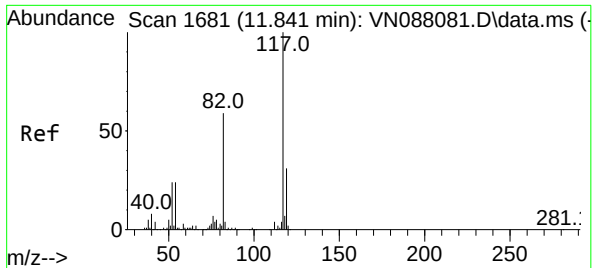
Tgt Ion: 98 Resp: 619295
Ion Ratio Lower Upper
98 100
100 65.2 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 52.477 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088094.D
Acq: 24 Oct 2025 15:18

Tgt Ion: 95 Resp: 233978
Ion Ratio Lower Upper
95 100
174 68.1 0.0 138.4
176 64.7 0.0 132.6

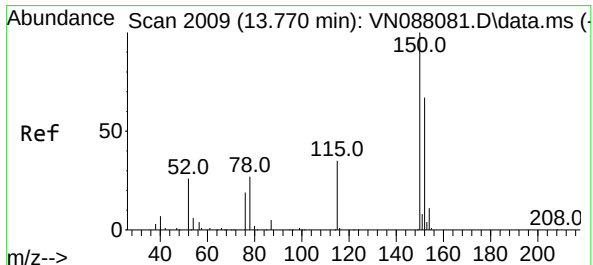
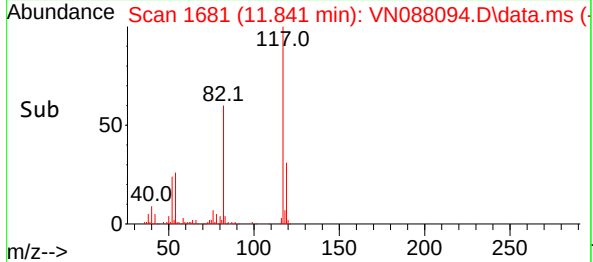
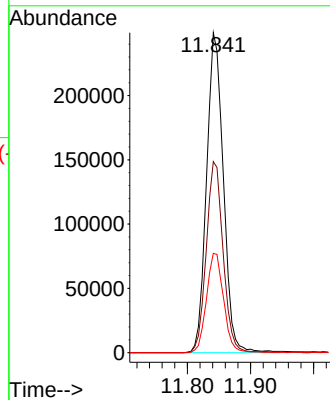
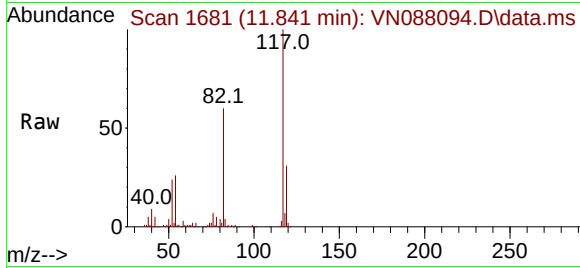




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088094.D
Acq: 24 Oct 2025 15:18

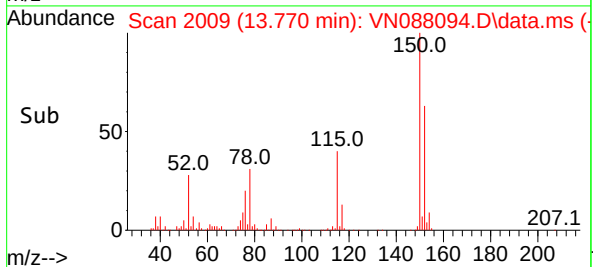
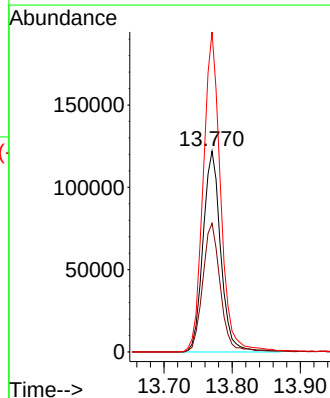
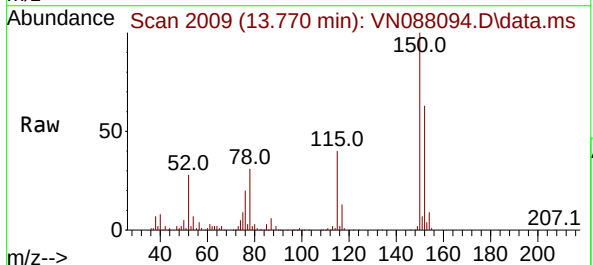
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.7	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: VN088094.D
Acq: 24 Oct 2025 15:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.4	32.3	96.8
150	157.0	0.0	351.0



Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: STORAGE-BLANK-SAMP
 Lab Sample ID: Q3373-04
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 10/10/25
 Date Received: 10/17/25
 SDG No.: Q3373
 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	10/24/25 15:39	VN102425
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	10/24/25 15:39	VN102425
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	10/24/25 15:39	VN102425
141-78-6	Ethyl Acetate	0.31	U	1	0.31	1.00	ug/L	10/24/25 15:39	VN102425
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	10/24/25 15:39	VN102425
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	10/24/25 15:39	VN102425
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	10/24/25 15:39	VN102425
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	10/24/25 15:39	VN102425
75-65-0	Tert butyl alcohol	5.50	U	1	5.50	25.0	ug/L	10/24/25 15:39	VN102425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/24/25 15:39	VN102425
107-02-8	Acrolein	7.10	U	1	7.10	25.0	ug/L	10/24/25 15:39	VN102425
107-13-1	Acrylonitrile	0.83	U	1	0.83	5.00	ug/L	10/24/25 15:39	VN102425
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	10/24/25 15:39	VN102425
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	10/24/25 15:39	VN102425
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	10/24/25 15:39	VN102425
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	10/24/25 15:39	VN102425
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	10/24/25 15:39	VN102425
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/24/25 15:39	VN102425
108-05-4	Vinyl Acetate	0.66	U	1	0.66	5.00	ug/L	10/24/25 15:39	VN102425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	10/24/25 15:39	VN102425
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	10/24/25 15:39	VN102425
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	10/24/25 15:39	VN102425
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	10/24/25 15:39	VN102425
594-20-7	2,2-Dichloropropane	0.21	U	1	0.21	1.00	ug/L	10/24/25 15:39	VN102425
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	10/24/25 15:39	VN102425
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	10/24/25 15:39	VN102425
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	10/24/25 15:39	VN102425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	10/24/25 15:39	VN102425
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	10/24/25 15:39	VN102425
563-58-6	1,1-Dichloropropene	0.15	U	1	0.15	1.00	ug/L	10/24/25 15:39	VN102425
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	10/24/25 15:39	VN102425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	10/24/25 15:39	VN102425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	10/24/25 15:39	VN102425
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	10/24/25 15:39	VN102425
74-95-3	Dibromomethane	0.25	U	1	0.25	1.00	ug/L	10/24/25 15:39	VN102425
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	10/24/25 15:39	VN102425
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	10/24/25 15:39	VN102425
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	10/24/25 15:39	VN102425
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	10/24/25 15:39	VN102425
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	10/24/25 15:39	VN102425
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	10/24/25 15:39	VN102425
142-28-9	1,3-Dichloropropane	0.19	U	1	0.19	1.00	ug/L	10/24/25 15:39	VN102425
110-75-8	2-Chloroethyl Vinyl ether	0.30	U	1	0.30	5.00	ug/L	10/24/25 15:39	VN102425



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: Q3373-04
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 10/10/25
Date Received: 10/17/25
SDG No.: Q3373
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	10/24/25 15:39	VN102425
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	10/24/25 15:39	VN102425
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	10/24/25 15:39	VN102425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	10/24/25 15:39	VN102425
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	10/24/25 15:39	VN102425
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	1	0.19	1.00	ug/L	10/24/25 15:39	VN102425
67-72-1	Hexachloroethane	0.32	U	1	0.32	1.00	ug/L	10/24/25 15:39	VN102425
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	10/24/25 15:39	VN102425
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	10/24/25 15:39	VN102425
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	10/24/25 15:39	VN102425
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	10/24/25 15:39	VN102425
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	10/24/25 15:39	VN102425
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	10/24/25 15:39	VN102425
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	10/24/25 15:39	VN102425
96-18-4	1,2,3-Trichloropropane	0.35	U	1	0.35	1.00	ug/L	10/24/25 15:39	VN102425
108-86-1	Bromobenzene	0.24	U	1	0.24	1.00	ug/L	10/24/25 15:39	VN102425
103-65-1	n-propylbenzene	0.13	U	1	0.13	1.00	ug/L	10/24/25 15:39	VN102425
95-49-8	2-Chlorotoluene	0.14	U	1	0.14	1.00	ug/L	10/24/25 15:39	VN102425
108-67-8	1,3,5-Trimethylbenzene	0.15	U	1	0.15	1.00	ug/L	10/24/25 15:39	VN102425
106-43-4	4-Chlorotoluene	0.13	U	1	0.13	1.00	ug/L	10/24/25 15:39	VN102425
98-06-6	tert-Butylbenzene	0.14	U	1	0.14	1.00	ug/L	10/24/25 15:39	VN102425
95-63-6	1,2,4-Trimethylbenzene	0.14	U	1	0.14	1.00	ug/L	10/24/25 15:39	VN102425
135-98-8	sec-Butylbenzene	0.13	U	1	0.13	1.00	ug/L	10/24/25 15:39	VN102425
99-87-6	p-Isopropyltoluene	0.13	U	1	0.13	1.00	ug/L	10/24/25 15:39	VN102425
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/24/25 15:39	VN102425
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	10/24/25 15:39	VN102425
104-51-8	n-Butylbenzene	0.15	U	1	0.15	1.00	ug/L	10/24/25 15:39	VN102425
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/24/25 15:39	VN102425
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	10/24/25 15:39	VN102425
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/24/25 15:39	VN102425
87-68-3	Hexachlorobutadiene	0.30	U	1	0.30	1.00	ug/L	10/24/25 15:39	VN102425
91-20-3	Naphthalene	0.20	U	1	0.20	1.00	ug/L	10/24/25 15:39	VN102425
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/24/25 15:39	VN102425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	59.1		74 - 125	118%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	49.5		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.0		77 - 121	104%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	215000
540-36-3	1,4-Difluorobenzene	480000
3114-55-4	Chlorobenzene-d5	454000
3855-82-1	1,4-Dichlorobenzene-d4	217000



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: Q3373-04
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 10/10/25
 Date Received: 10/17/25
 SDG No.: Q3373
 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\VN102425\
 Data File : VN088095.D
 Acq On : 24 Oct 2025 15:39
 Operator : JC\MD
 Sample : Q3373-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Oct 25 01:06:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	214510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	479905	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	453957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	217438	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	219158	59.083	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	118.160%
35) Dibromofluoromethane	8.147	113	166962	51.787	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.580%
50) Toluene-d8	10.547	98	615294	49.530	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.060%
62) 4-Bromofluorobenzene	12.829	95	228168	52.007	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.020%

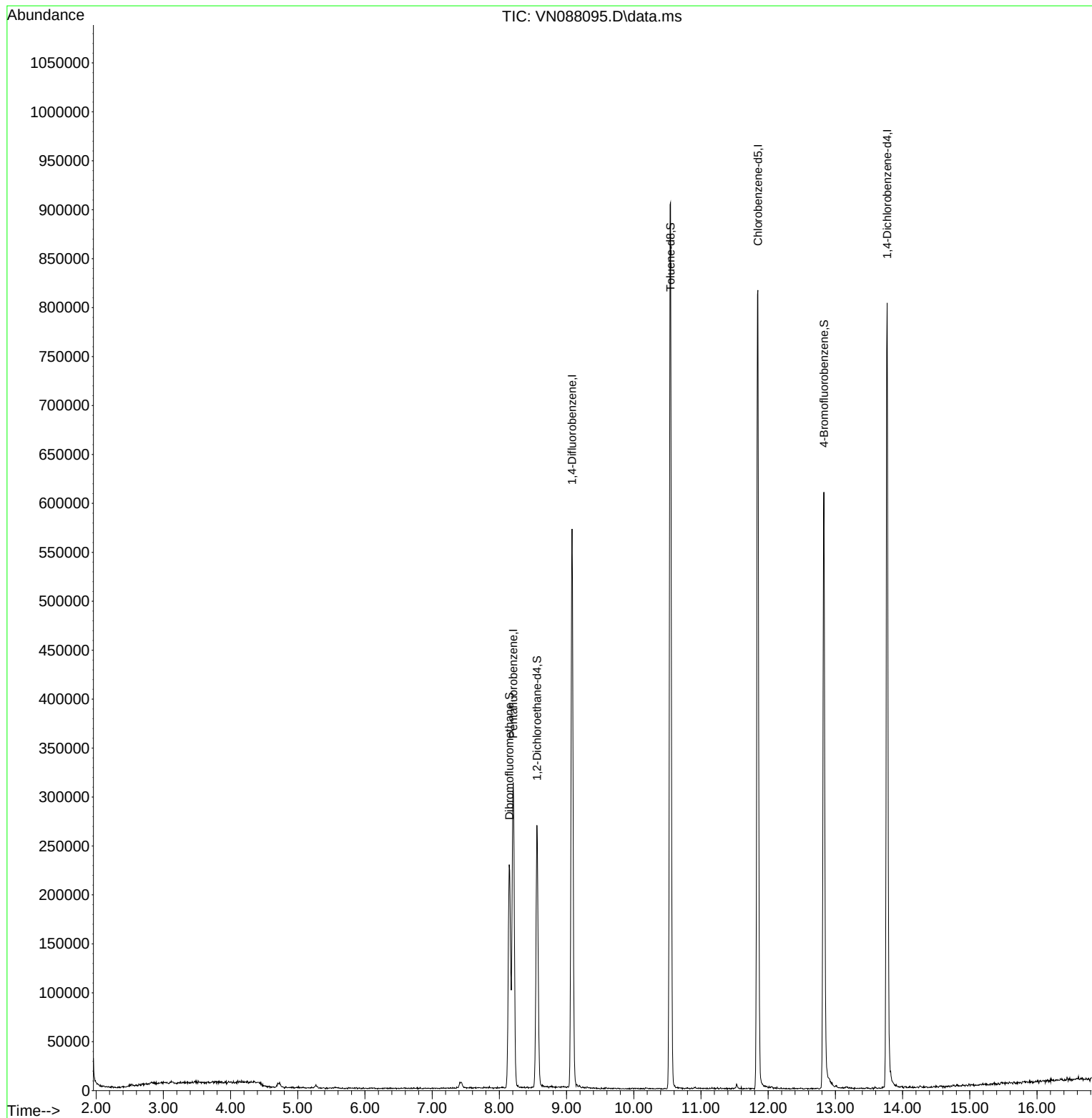
Target Compounds	Qvalue

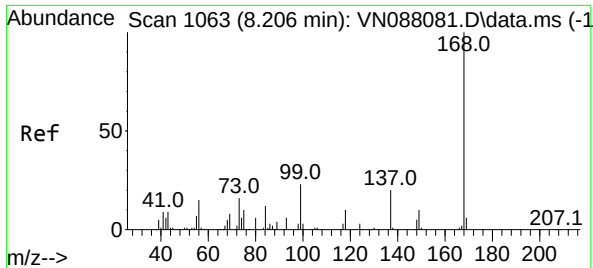
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
Data File : VN088095.D
Acq On : 24 Oct 2025 15:39
Operator : JC\MD
Sample : Q3373-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Oct 25 01:06:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

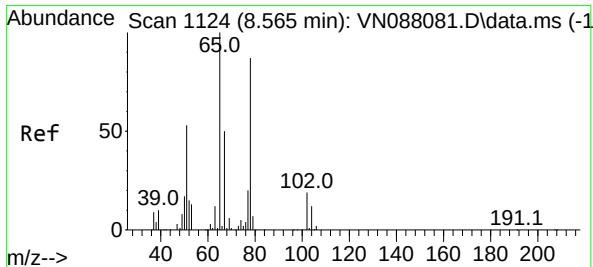
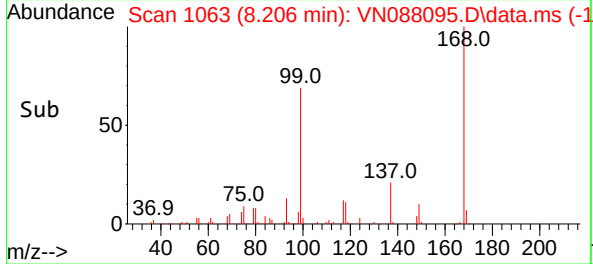
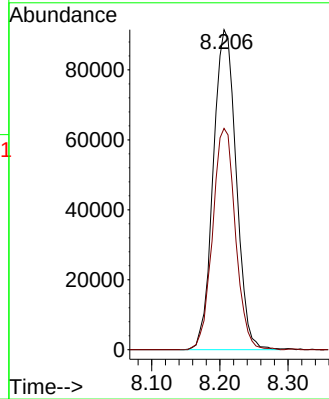
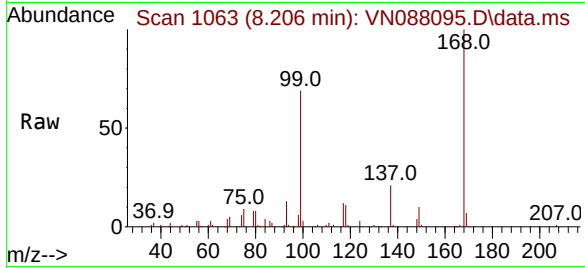




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088095.D
Acq: 24 Oct 2025 15:39

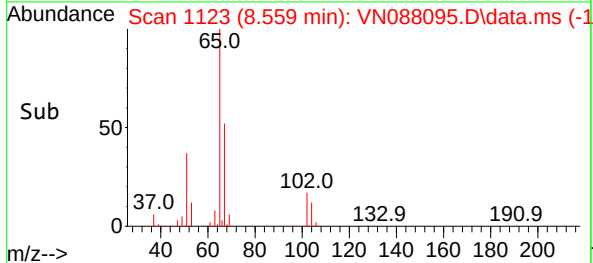
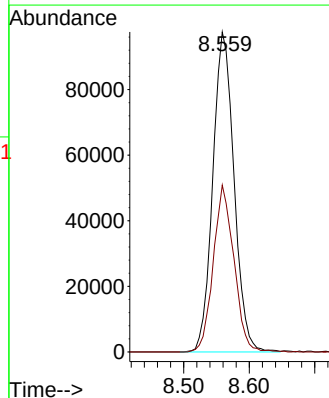
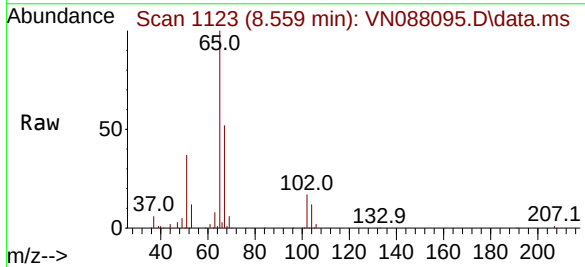
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

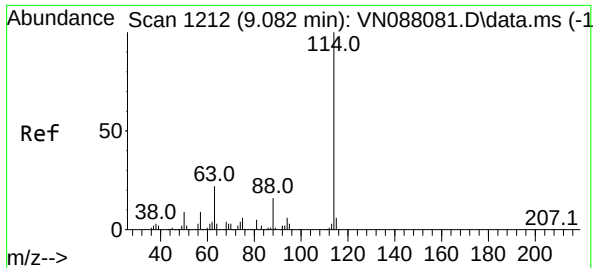
Tgt Ion:168 Resp: 214510
Ion Ratio Lower Upper
168 100
99 69.2 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 59.083 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088095.D
Acq: 24 Oct 2025 15:39

Tgt Ion: 65 Resp: 219158
Ion Ratio Lower Upper
65 100
67 50.8 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN088095.D

Acq: 24 Oct 2025 15:39

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANAGEMENT

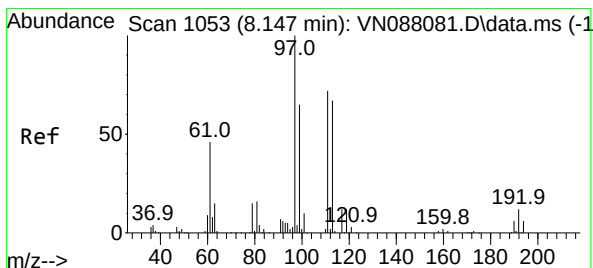
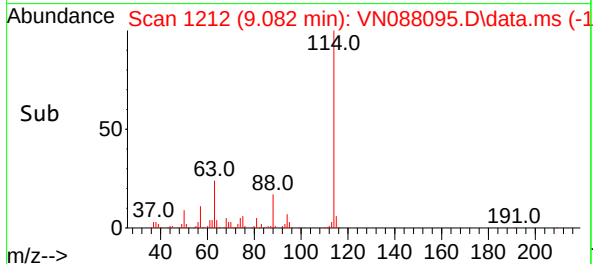
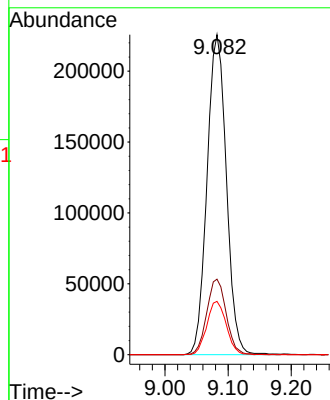
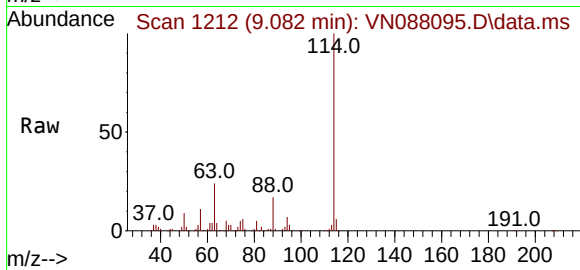
Tgt Ion:114 Resp: 479905

Ion Ratio Lower Upper

114 100

63 23.6 0.0 45.2

88 16.6 0.0 33.4



#35

Dibromofluoromethane

Concen: 51.787 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088095.D

Acq: 24 Oct 2025 15:39

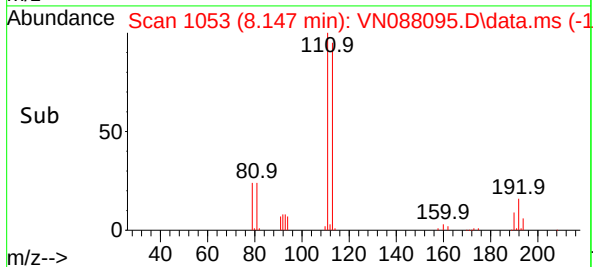
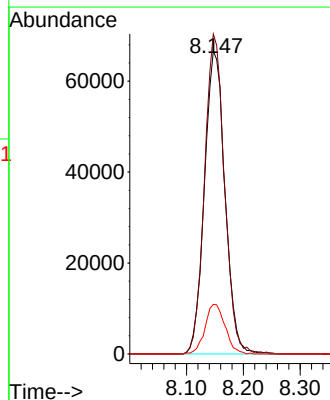
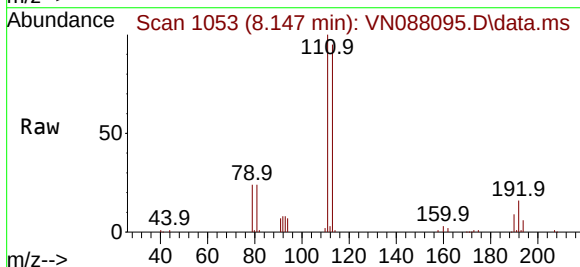
Tgt Ion:113 Resp: 166962

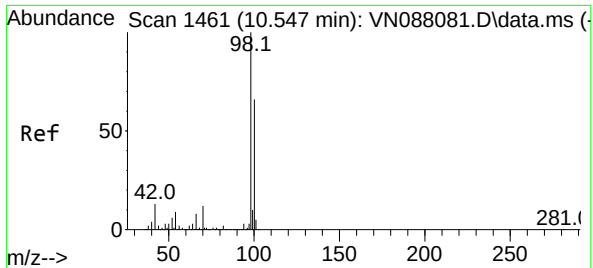
Ion Ratio Lower Upper

113 100

111 102.5 82.8 124.2

192 16.1 12.8 19.2

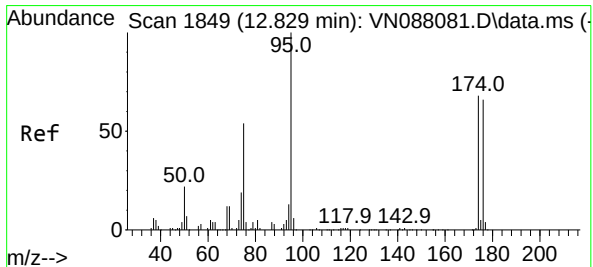
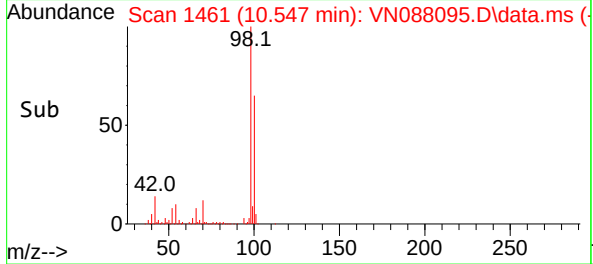
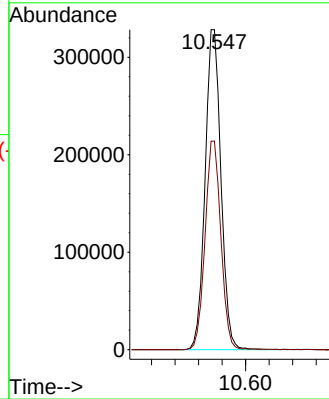
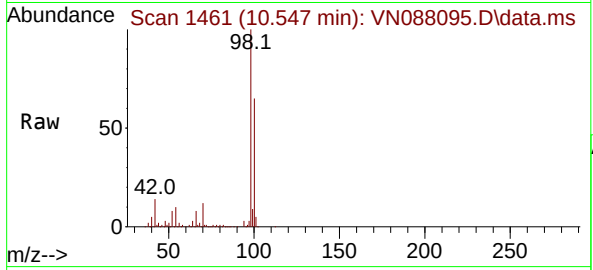




#50
Toluene-d8
Concen: 49.530 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088095.D
Acq: 24 Oct 2025 15:39

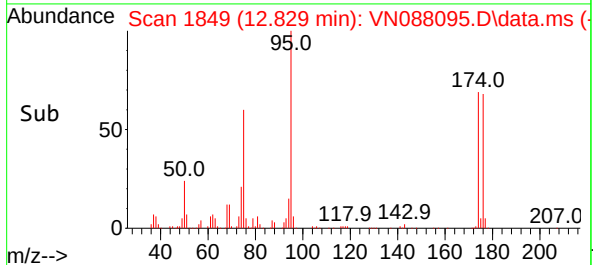
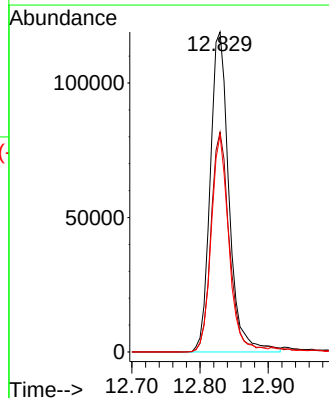
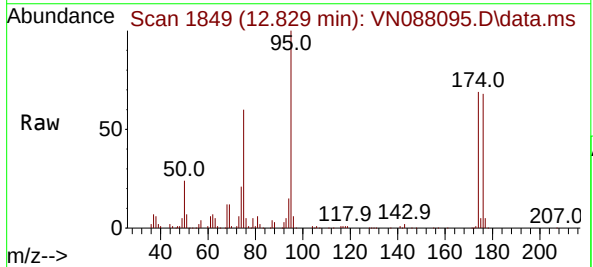
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

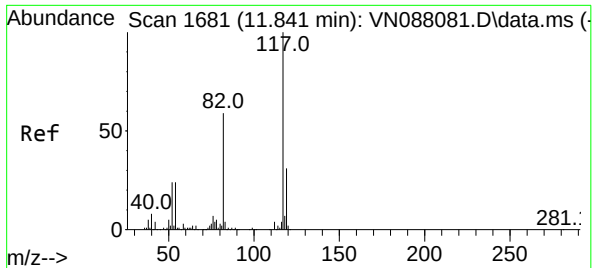
Tgt Ion: 98 Resp: 615294
Ion Ratio Lower Upper
98 100
100 65.2 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 52.007 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088095.D
Acq: 24 Oct 2025 15:39

Tgt Ion: 95 Resp: 228168
Ion Ratio Lower Upper
95 100
174 67.1 0.0 138.4
176 64.0 0.0 132.6

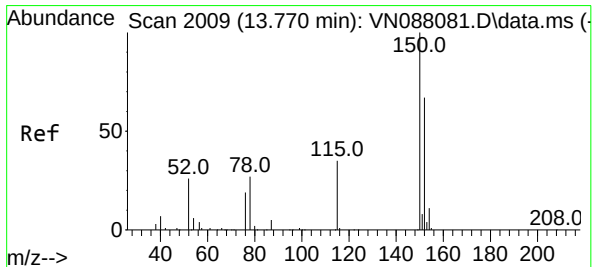
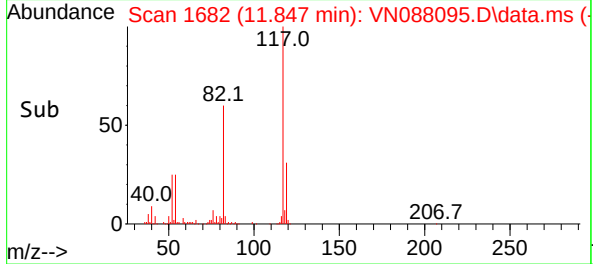
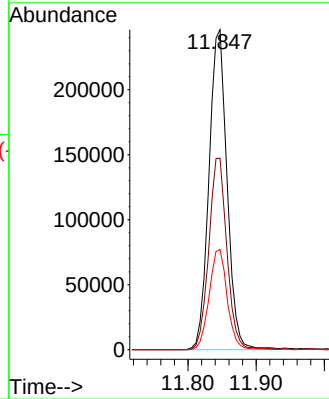
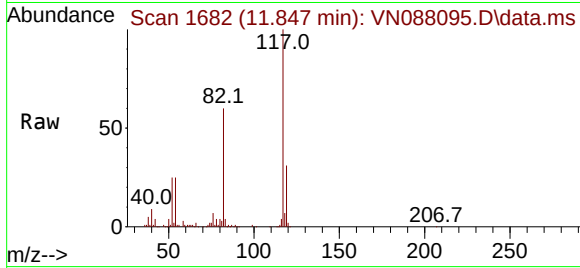




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN088095.D
Acq: 24 Oct 2025 15:39

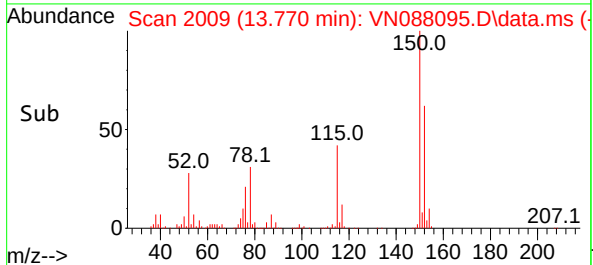
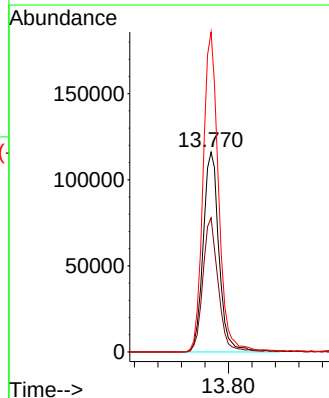
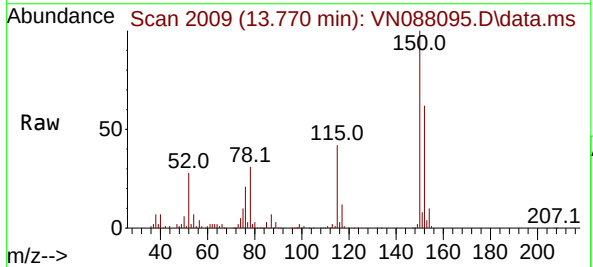
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

Tgt Ion:117 Resp: 453957
Ion Ratio Lower Upper
117 100
82 59.8 47.4 71.2
119 31.3 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: VN088095.D
Acq: 24 Oct 2025 15:39

Tgt Ion:152 Resp: 217438
Ion Ratio Lower Upper
152 100
115 64.8 32.3 96.8
150 155.7 0.0 351.0





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.: Q3373

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.: Q3373
 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.



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.: Q3373
 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

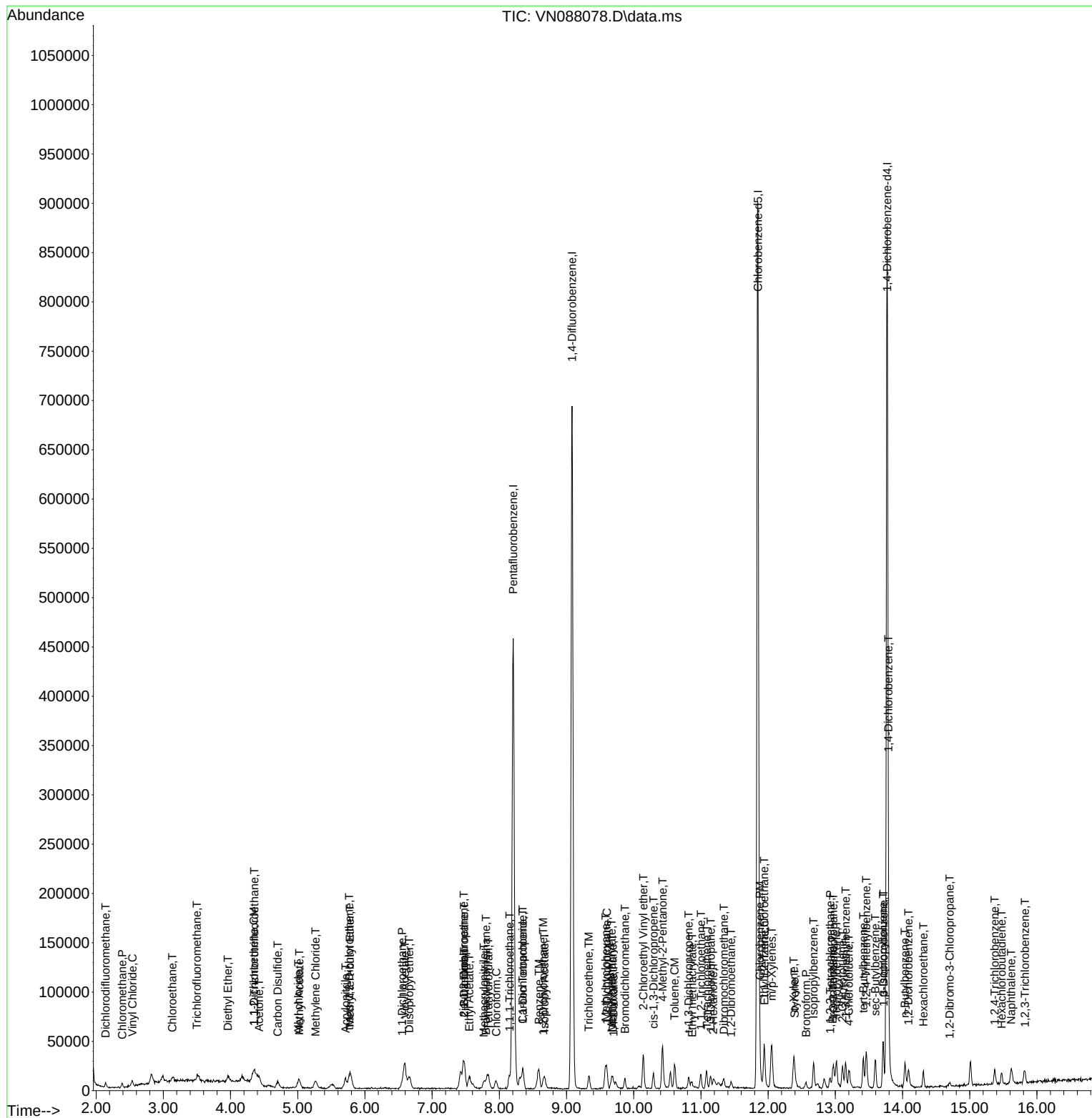
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.688	93	3222	1.022	ug/l	90
47) Bromodichloromethane	9.871	83	6578	1.042	ug/l #	99
48) Methyl methacrylate	9.671	41	5726m	1.057	ug/l	
49) 1,4-Dioxane	9.700	88	1238m	18.907	ug/l	
51) 4-Methyl-2-Pentanone	10.430	43	32109	4.760	ug/l	96
52) 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

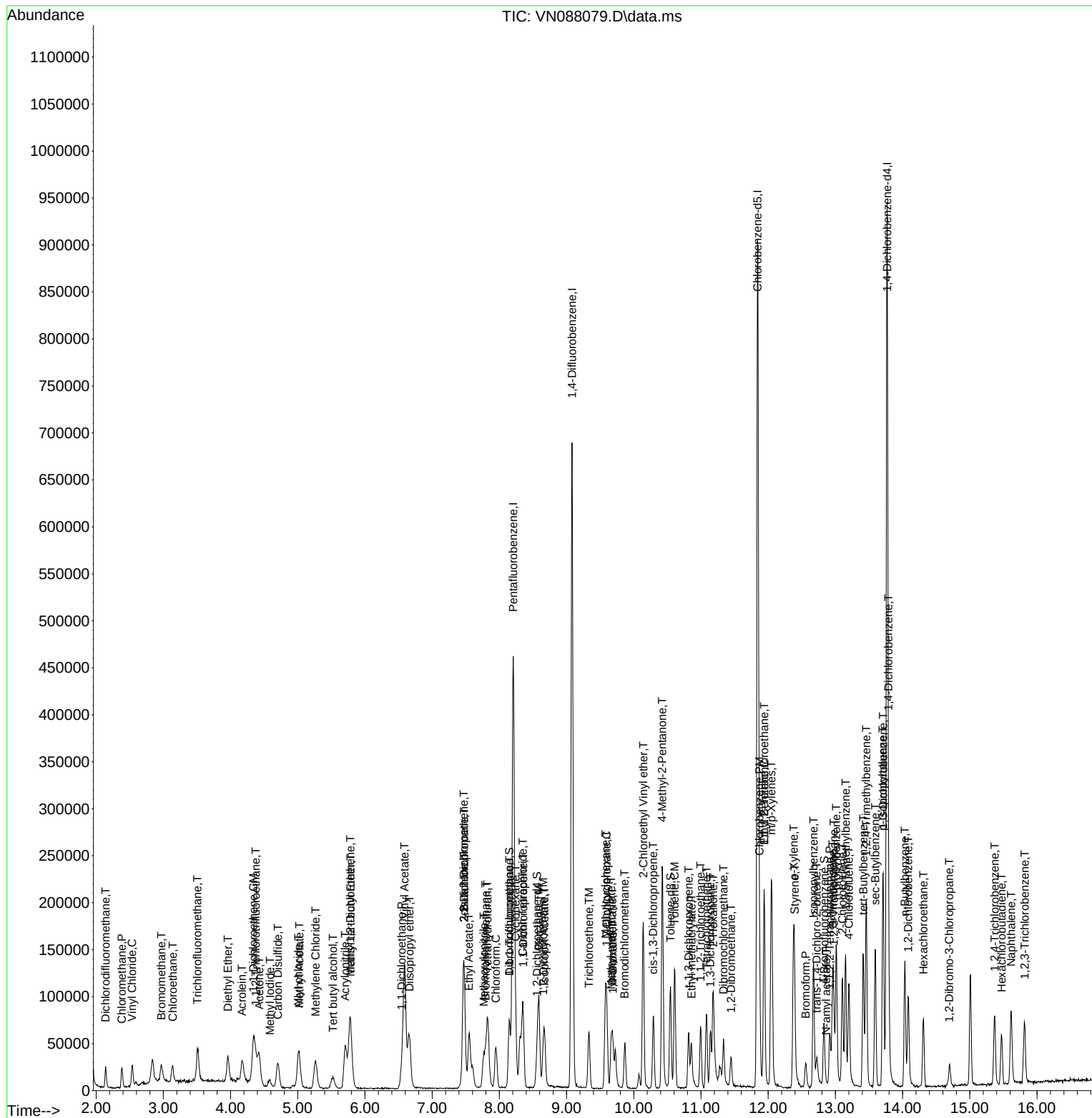
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088079.D
Acq On : 23 Oct 2025 10:38
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

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

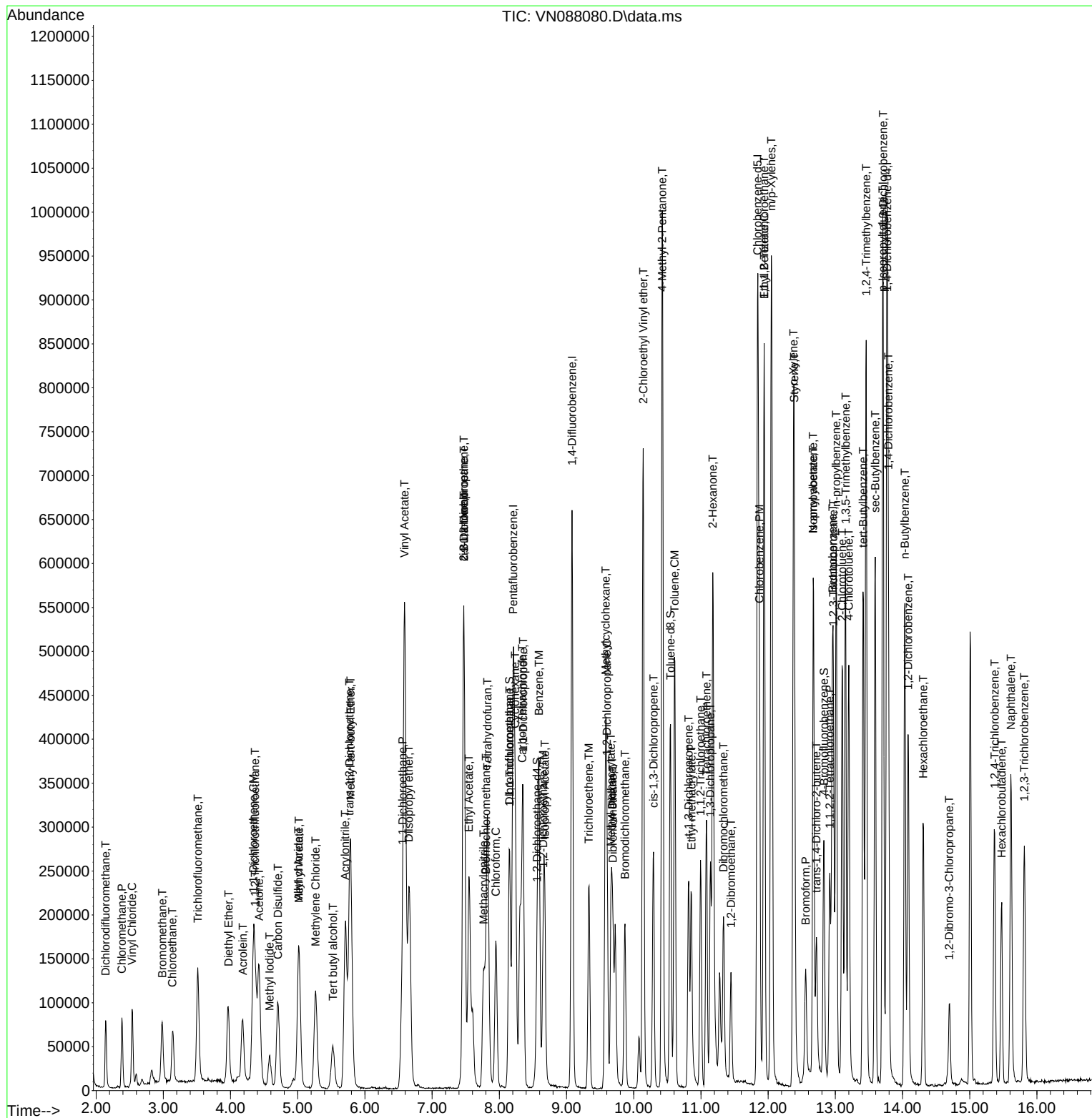
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088080.D
Acq On : 23 Oct 2025 10:59
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

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



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

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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 : 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

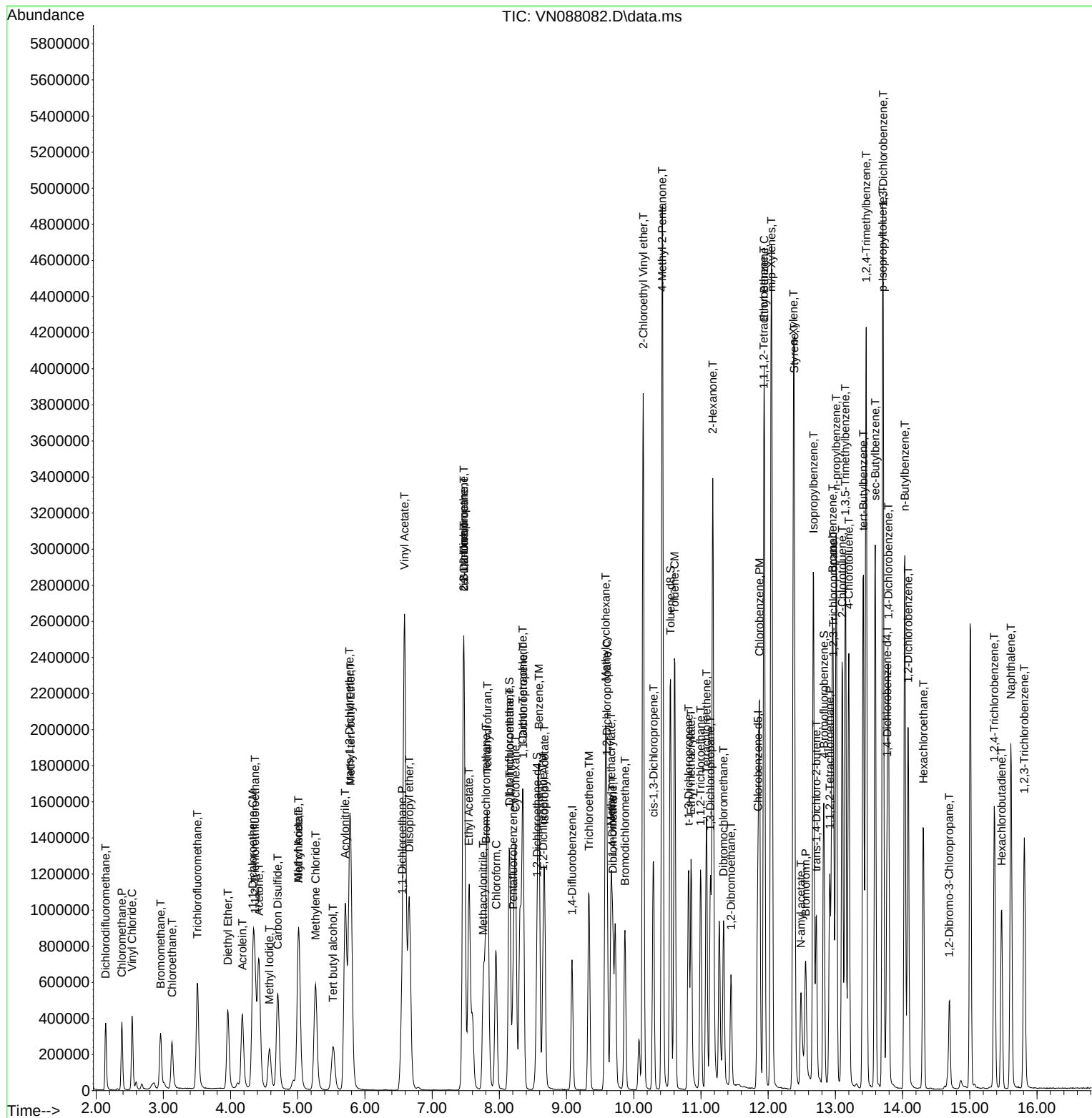
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

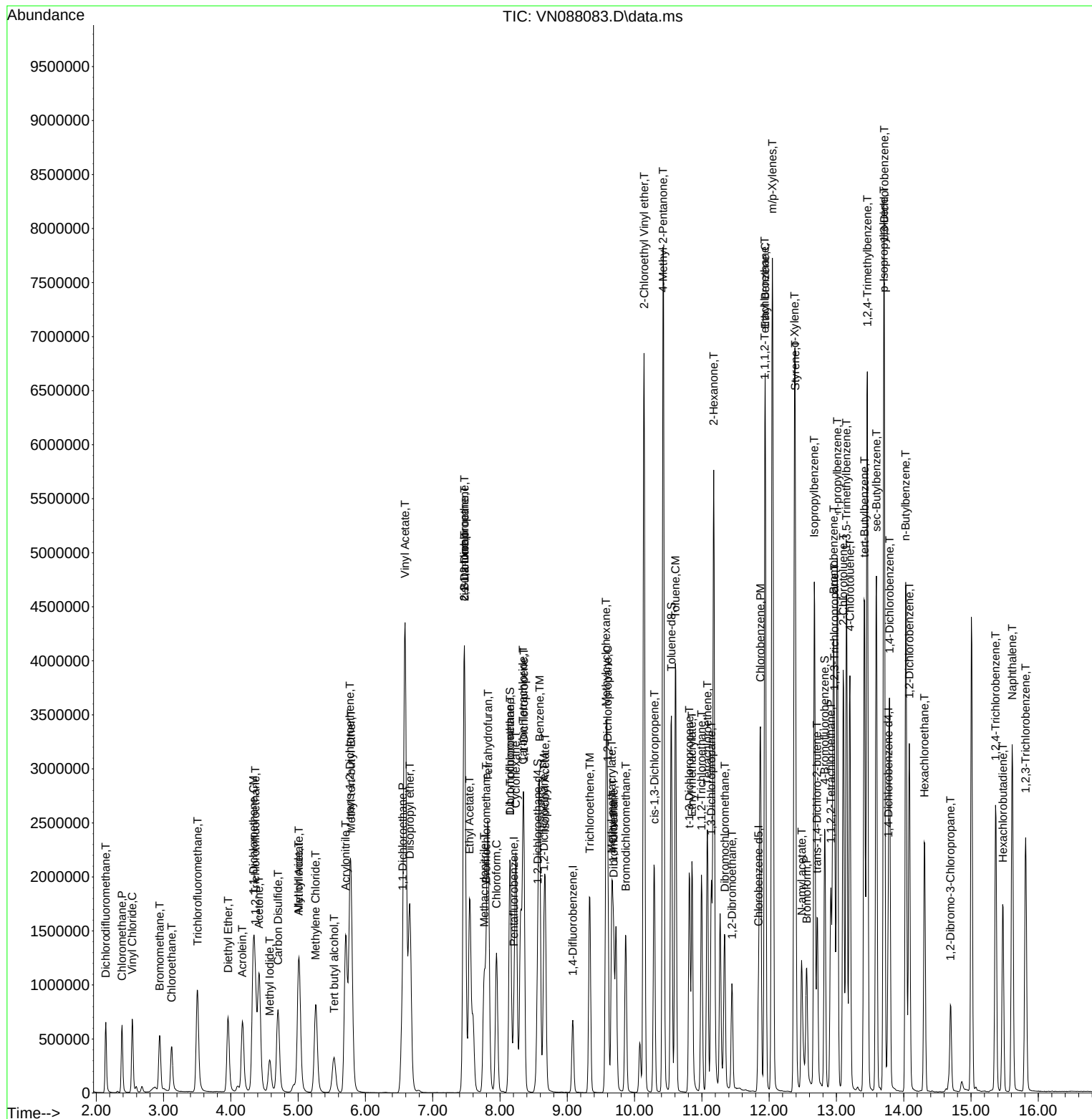
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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 :
 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

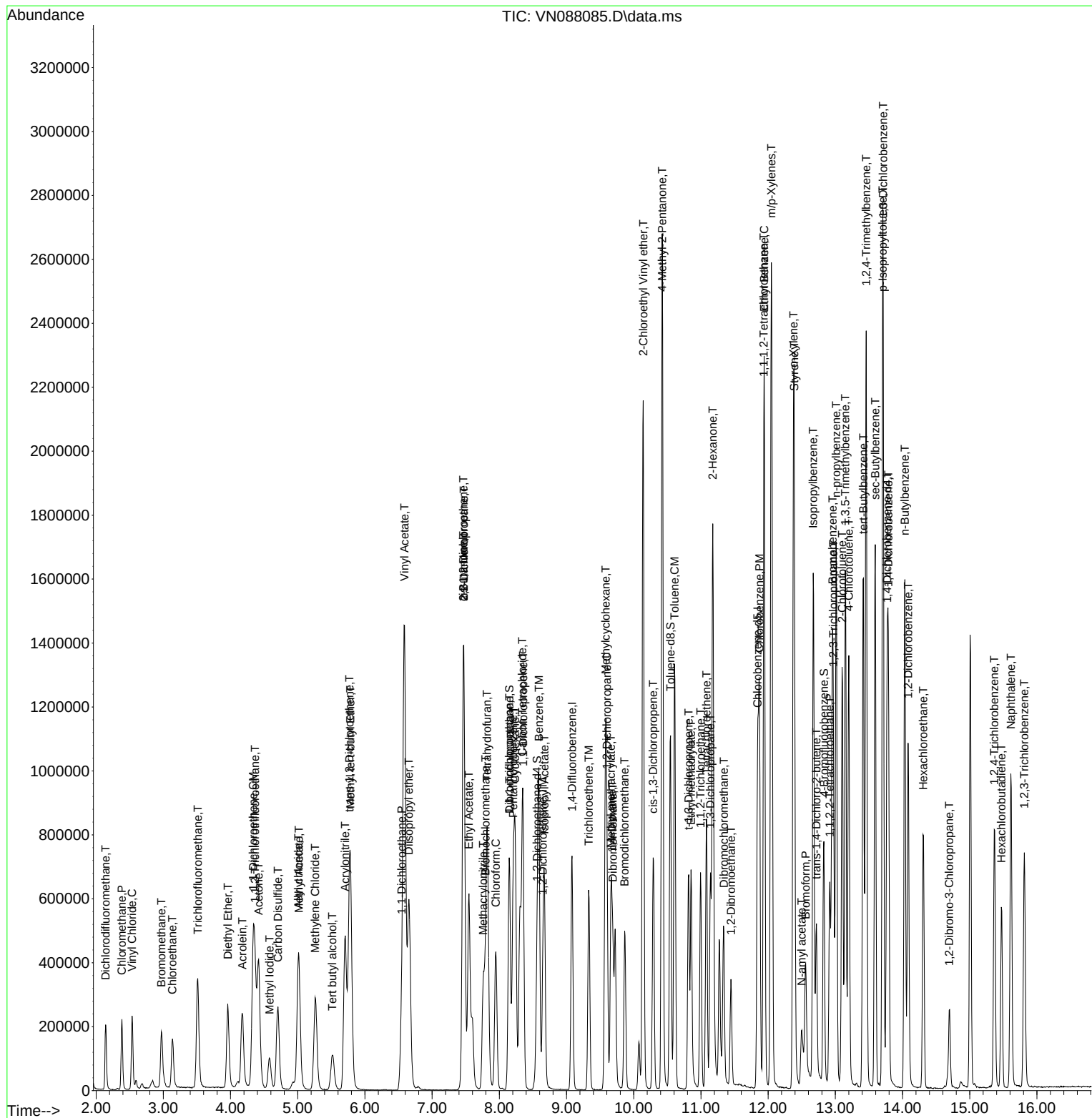
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 :
 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	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.: Q3373
 Instrument ID: MSVOA_X Calibration Date(s): 10/20/2025 10/20/2025
 Heated Purge: (Y/N) N Calibration Time(s): 10:59 13:49
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX048229.D		RRF020 = VX048231.D		RRF050 = VX048232.D			
		RRF100 = VX048233.D		RRF150 = VX048234.D		RRF005 = VX048236.D			
COMPOUND	RRF001	RRF020	RRF050	RRF100	RRF150	RRF005	RRF	% RSD	
Dichlorodifluoromethane	0.522	0.513	0.483	0.540	0.504	0.522	0.514	3.7	
Chloromethane	0.506	0.468	0.449	0.476	0.471	0.508	0.480	4.8	
Vinyl Chloride	0.447	0.437	0.416	0.462	0.445	0.458	0.444	3.7	
Ethyl Acetate	0.459	0.396	0.368	0.410	0.384	0.396	0.402	7.7	
Bromomethane		0.323	0.282	0.280	0.276	0.346	0.302	10.4	
Chloroethane	0.233	0.277	0.247	0.282	0.267	0.261	0.261	7.2	
Trichlorofluoromethane	0.776	0.874	0.807	0.907	0.869	0.880	0.852	5.8	
1,1,2-Trichlorotrifluoroethane	0.512	0.540	0.501	0.583	0.549	0.553	0.540	5.5	
Tert butyl alcohol		0.069	0.062	0.067	0.064	0.087	0.070	14.2	
1,1-Dichloroethene	0.515	0.548	0.485	0.558	0.531	0.514	0.525	5	
Acrolein		0.063	0.065	0.074	0.073	0.079	0.071	9.2	
Acrylonitrile	0.255	0.267	0.239	0.254	0.246	0.245	0.251	3.9	
Acetone	0.300	0.250	0.202	0.221	0.206	0.262	0.240	15.7	
Carbon Disulfide	2.034	1.612	1.442	1.617	1.532	1.689	1.654	12.4	
Methyl tert-butyl Ether	1.894	1.909	1.704	1.817	1.764	1.657	1.791	5.7	
Methyl Acetate	0.514	0.551	0.466	0.514	0.504	0.464	0.502	6.6	
Methylene Chloride	0.555	0.651	0.552	0.597	0.567	0.595	0.586	6.4	
trans-1,2-Dichloroethene	0.587	0.585	0.535	0.592	0.558	0.603	0.577	4.4	
Vinyl Acetate	1.261	1.521	1.348	1.466	1.408	1.326	1.389	6.9	
1,1-Dichloroethane	1.116	1.085	0.977	1.055	1.019	1.054	1.051	4.6	
Cyclohexane		0.894	0.821	0.926	0.866	0.843	0.870	4.8	
2-Butanone	0.311	0.329	0.281	0.301	0.290	0.315	0.304	5.7	
Carbon Tetrachloride	0.650	0.594	0.553	0.604	0.567	0.622	0.599	5.9	
2,2-Dichloropropane	1.002	0.973	0.876	0.973	0.924	0.945	0.949	4.7	
cis-1,2-Dichloroethene	0.682	0.700	0.626	0.695	0.661	0.673	0.673	4	
Bromochloromethane	0.388	0.404	0.441	0.462	0.452	0.469	0.436	7.5	
Chloroform	1.147	1.208	1.046	1.127	1.067	1.143	1.123	5.2	
1,1,1-Trichloroethane	1.049	1.085	0.973	1.055	1.007	1.041	1.035	3.8	
Methylcyclohexane	0.551	0.548	0.540	0.626	0.582	0.590	0.573	5.7	
1,1-Dichloropropene	0.562	0.491	0.433	0.490	0.460	0.475	0.485	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.



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.: Q3373
 Instrument ID: MSVOA_X Calibration Date(s): 10/20/2025 10/20/2025
 Heated Purge: (Y/N) N Calibration Time(s): 10:59 13:49
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:	RRF001 = VX048229.D		RRF020 = VX048231.D		RRF050 = VX048232.D			
	RRF100 = VX048233.D		RRF150 = VX048234.D		RRF005 = VX048236.D			
COMPOUND	RRF001	RRF020	RRF050	RRF100	RRF150	RRF005	RRF	% RSD
Benzene	1.493	1.480	1.301	1.426	1.347	1.405	1.409	5.3
1,2-Dichloroethane	0.529	0.566	0.500	0.528	0.496	0.499	0.520	5.2
Trichloroethene	0.400	0.373	0.348	0.380	0.363	0.366	0.372	4.7
1,2-Dichloropropane	0.309	0.362	0.321	0.347	0.333	0.337	0.335	5.5
Dibromomethane	0.267	0.277	0.247	0.261	0.249	0.264	0.261	4.3
Bromodichloromethane	0.570	0.592	0.538	0.573	0.538	0.567	0.563	3.8
4-Methyl-2-Pentanone	0.366	0.422	0.377	0.384	0.362	0.374	0.381	5.7
Toluene	0.881	0.944	0.862	0.910	0.849	0.925	0.895	4.2
t-1,3-Dichloropropene	0.477	0.582	0.545	0.574	0.553	0.526	0.543	7
cis-1,3-Dichloropropene	0.582	0.604	0.572	0.615	0.585	0.556	0.586	3.7
1,1,2-Trichloroethane	0.318	0.357	0.321	0.333	0.313	0.355	0.333	5.8
1,3-Dichloropropane	0.563	0.614	0.548	0.572	0.541	0.572	0.568	4.5
2-Chloroethyl Vinyl ether	0.154	0.269	0.260	0.269	0.260	0.182	0.232	21.9
2-Hexanone	0.231	0.298	0.267	0.271	0.256	0.271	0.266	8.3
Dibromochloromethane	0.482	0.476	0.425	0.442	0.418	0.441	0.447	5.9
1,2-Dibromoethane	0.346	0.393	0.342	0.359	0.336	0.353	0.355	5.7
Tetrachloroethene	0.418	0.378	0.328	0.370	0.361	0.385	0.373	7.9
Chlorobenzene	1.149	1.159	1.045	1.148	1.102	1.145	1.125	3.9
1,1,1,2-Tetrachloroethane	0.422	0.423	0.390	0.430	0.409	0.405	0.413	3.5
Hexachloroethane	0.680	0.621	0.569	0.664	0.645	0.647	0.638	6.1
Ethyl Benzene	1.905	1.954	1.825	2.008	1.922	1.876	1.915	3.3
m/p-Xylenes	0.647	0.750	0.687	0.750	0.707	0.727	0.712	5.6
o-Xylene	0.652	0.712	0.664	0.723	0.686	0.684	0.687	3.9
Styrene	1.054	1.236	1.143	1.247	1.173	1.165	1.170	6
Bromoform	0.338	0.350	0.308	0.335	0.326	0.325	0.330	4.3
Isopropylbenzene	3.618	3.656	3.430	3.875	3.754	3.579	3.652	4.2
1,1,2,2-Tetrachloroethane	0.988	1.065	0.946	1.018	0.992	0.974	0.997	4.1
1,2,3-Trichloropropane	0.929	0.822	0.735	0.810	0.802	0.767	0.811	8.1
Bromobenzene	0.940	0.930	0.858	0.953	0.916	0.897	0.916	3.7
n-propylbenzene	4.000	4.255	4.017	4.544	4.386	4.169	4.228	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:	<u>Alliance</u>	Contract:	<u>CHEM02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3373</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date(s):	<u>10/20/2025</u> <u>10/20/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Calibration Time(s):	<u>10:59</u> <u>13:49</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

LAB FILE ID:		RRF001 = VX048229.D		RRF020 = VX048231.D		RRF050 = VX048232.D		
		RRF100 = VX048233.D		RRF150 = VX048234.D		RRF005 = VX048236.D		
COMPOUND	RRF001	RRF020	RRF050	RRF100	RRF150	RRF005	RRF	% RSD
2-Chlorotoluene	2.575	2.615	2.397	2.693	2.590	2.512	2.564	3.9
1,3,5-Trimethylbenzene	2.988	3.079	2.861	3.222	3.094	2.889	3.022	4.5
4-Chlorotoluene	3.097	3.119	2.883	3.143	3.059	2.958	3.043	3.3
tert-Butylbenzene	3.128	3.086	2.915	3.282	3.173	3.047	3.105	4
1,2,4-Trimethylbenzene	2.791	3.077	2.864	3.247	3.126	2.991	3.016	5.6
sec-Butylbenzene	3.789	3.683	3.476	3.969	3.809	3.690	3.736	4.4
p-Isopropyltoluene	3.342	3.159	2.986	3.399	3.265	3.222	3.229	4.5
1,3-Dichlorobenzene	1.863	1.742	1.550	1.747	1.707	1.750	1.726	5.9
1,4-Dichlorobenzene	2.143	1.803	1.577	1.724	1.710	1.772	1.788	10.6
n-Butylbenzene	3.328	2.807	2.622	3.073	2.936	2.869	2.939	8.2
1,2-Dichlorobenzene	1.803	1.631	1.494	1.619	1.588	1.590	1.621	6.3
1,2-Dibromo-3-Chloropropane	0.167	0.219	0.195	0.224	0.223	0.187	0.202	11.5
1,2,4-Trichlorobenzene	1.441	0.975	0.959	1.114	1.094	0.994	1.096	16.5
Hexachlorobutadiene	0.953	0.399	0.373	0.426	0.409	0.482	0.507	43.7
Naphthalene	2.942	2.880	2.776	3.171	3.181	2.473	2.904	9.1
1,2,3-Trichlorobenzene	1.154	0.942	0.909	1.050	1.033	0.947	1.006	9
1,2-Dichloroethane-d4		0.709	0.682	0.690	0.698	0.725	0.701	2.4
Dibromofluoromethane		0.345	0.330	0.346	0.348	0.338	0.341	2.2
Toluene-d8		1.185	1.185	1.196	1.195	1.221	1.196	1.2
4-Bromofluorobenzene		0.445	0.444	0.446	0.441	0.500	0.455	5.5

* 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.

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X102025W.M
 Title : SW846 8260
 Last Update : Mon Oct 20 14:13:59 2025
 Response Via : Initial Calibration

Calibration Files

1 =VX048229.D 5 =VX048236.D 20 =VX048231.D 50 =VX048232.D 100 =VX048233.D 150 =VX048234.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.522	0.522	0.513	0.483	0.540	0.504	0.514	3.74
3) P	Chloromethane	0.506	0.508	0.468	0.449	0.476	0.471	0.480	4.81
4) C	Vinyl Chloride	0.447	0.458	0.437	0.416	0.462	0.445	0.444	3.69#
5) T	Bromomethane		0.346	0.323	0.282	0.280	0.276	0.302	10.42
6) T	Chloroethane	0.233	0.261	0.277	0.247	0.282	0.267	0.261	7.16
7) T	Trichlorofluor...	0.776	0.880	0.874	0.807	0.907	0.869	0.852	5.83
8) T	Diethyl Ether	0.231	0.237	0.257	0.223	0.248	0.242	0.240	5.06
9) T	1,1,2-Trichlor...	0.512	0.553	0.540	0.501	0.583	0.549	0.540	5.48
10) T	Methyl Iodide		0.569	0.636	0.663	0.781	0.742	0.678	12.47
11) T	Tert butyl alc...		0.087	0.069	0.062	0.067	0.064	0.070	14.22
12) CM	1,1-Dichloroet...	0.515	0.514	0.548	0.485	0.558	0.531	0.525	5.03#
13) T	Acrolein		0.079	0.063	0.065	0.074	0.073	0.071	9.21
14) T	Allyl chloride	0.897	0.833	0.909	0.805	0.911	0.874	0.872	5.00
15) T	Acrylonitrile	0.255	0.245	0.267	0.239	0.254	0.246	0.251	3.89
16) T	Acetone	0.300	0.262	0.250	0.202	0.221	0.206	0.240	15.70
17) T	Carbon Disulfide	2.034	1.689	1.612	1.442	1.617	1.532	1.654	12.36
18) T	Methyl Acetate	0.514	0.464	0.551	0.466	0.514	0.504	0.502	6.56
19) T	Methyl tert-bu...	1.894	1.657	1.909	1.704	1.817	1.764	1.791	5.66
20) T	Methylene Chlo...	0.555	0.595	0.651	0.552	0.597	0.567	0.586	6.36
21) T	trans-1,2-Dich...	0.587	0.603	0.585	0.535	0.592	0.558	0.577	4.38
22) T	Diisopropyl ether	1.697	1.701	1.881	1.662	1.787	1.701	1.738	4.69
23) T	Vinyl Acetate	1.261	1.326	1.521	1.348	1.466	1.408	1.389	6.90
24) P	1,1-Dichloroet...	1.116	1.054	1.085	0.977	1.055	1.019	1.051	4.64
25) T	2-Butanone	0.311	0.315	0.329	0.281	0.301	0.290	0.304	5.70
26) T	2,2-Dichloropr...	1.002	0.945	0.973	0.876	0.973	0.924	0.949	4.69
27) T	cis-1,2-Dichlo...	0.682	0.673	0.700	0.626	0.695	0.661	0.673	4.03
28) T	Bromochloromet...	0.388	0.469	0.404	0.441	0.462	0.452	0.436	7.52
29) T	Tetrahydrofuran	0.178	0.183	0.198	0.171	0.184	0.180	0.182	5.00
30) C	Chloroform	1.147	1.143	1.208	1.046	1.127	1.067	1.123	5.22#
31) T	Cyclohexane		0.843	0.894	0.821	0.926	0.866	0.870	4.76
32) T	1,1,1-Trichlor...	1.049	1.041	1.085	0.973	1.055	1.007	1.035	3.83
33) S	1,2-Dichloroet...		0.725	0.709	0.682	0.690	0.698	0.701	2.40
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.338	0.345	0.330	0.346	0.348	0.341	2.17
36) T	1,1-Dichloropr...	0.562	0.475	0.491	0.433	0.490	0.460	0.485	8.96
37) T	Ethyl Acetate	0.459	0.396	0.396	0.368	0.410	0.384	0.402	7.71
38) T	Carbon Tetrach...	0.650	0.622	0.594	0.553	0.604	0.567	0.599	5.95
39) T	Methylcyclohexane	0.551	0.590	0.548	0.540	0.626	0.582	0.573	5.73
40) TM	Benzene	1.493	1.405	1.480	1.301	1.426	1.347	1.409	5.30
41) T	Methacrylonitrile	0.192	0.198	0.237	0.205	0.223	0.213	0.211	7.85
42) TM	1,2-Dichloroet...	0.529	0.499	0.566	0.500	0.528	0.496	0.520	5.23
43) T	Isopropyl Acetate	0.659	0.612	0.709	0.635	0.682	0.665	0.661	5.16
44) TM	Trichloroethene	0.400	0.366	0.373	0.348	0.380	0.363	0.372	4.73
45) C	1,2-Dichloropr...	0.309	0.337	0.362	0.321	0.347	0.333	0.335	5.54#
46) T	Dibromomethane	0.267	0.264	0.277	0.247	0.261	0.249	0.261	4.35
47) T	Bromodichlorom...	0.570	0.567	0.592	0.538	0.573	0.538	0.563	3.79
48) T	Methyl methacr...	0.332	0.300	0.356	0.322	0.350	0.340	0.333	6.07
49) T	1,4-Dioxane	0.003	0.004	0.005	0.004	0.005	0.005	0.004	12.99
50) S	Toluene-d8		1.221	1.185	1.185	1.195	1.195	1.196	1.22
51) T	4-Methyl-2-Pen...	0.366	0.374	0.422	0.377	0.384	0.362	0.381	5.71
52) CM	Toluene	0.881	0.925	0.944	0.861	0.910	0.849	0.895	4.15#
53) T	t-1,3-Dichloro...	0.477	0.526	0.582	0.545	0.574	0.553	0.543	7.02
54) T	cis-1,3-Dichlo...	0.582	0.556	0.604	0.572	0.615	0.585	0.586	3.67
55) T	1,1,2-Trichlor...	0.318	0.355	0.357	0.321	0.333	0.313	0.333	5.78
56) T	Ethyl methacry...	0.418	0.451	0.536	0.490	0.524	0.502	0.487	9.17

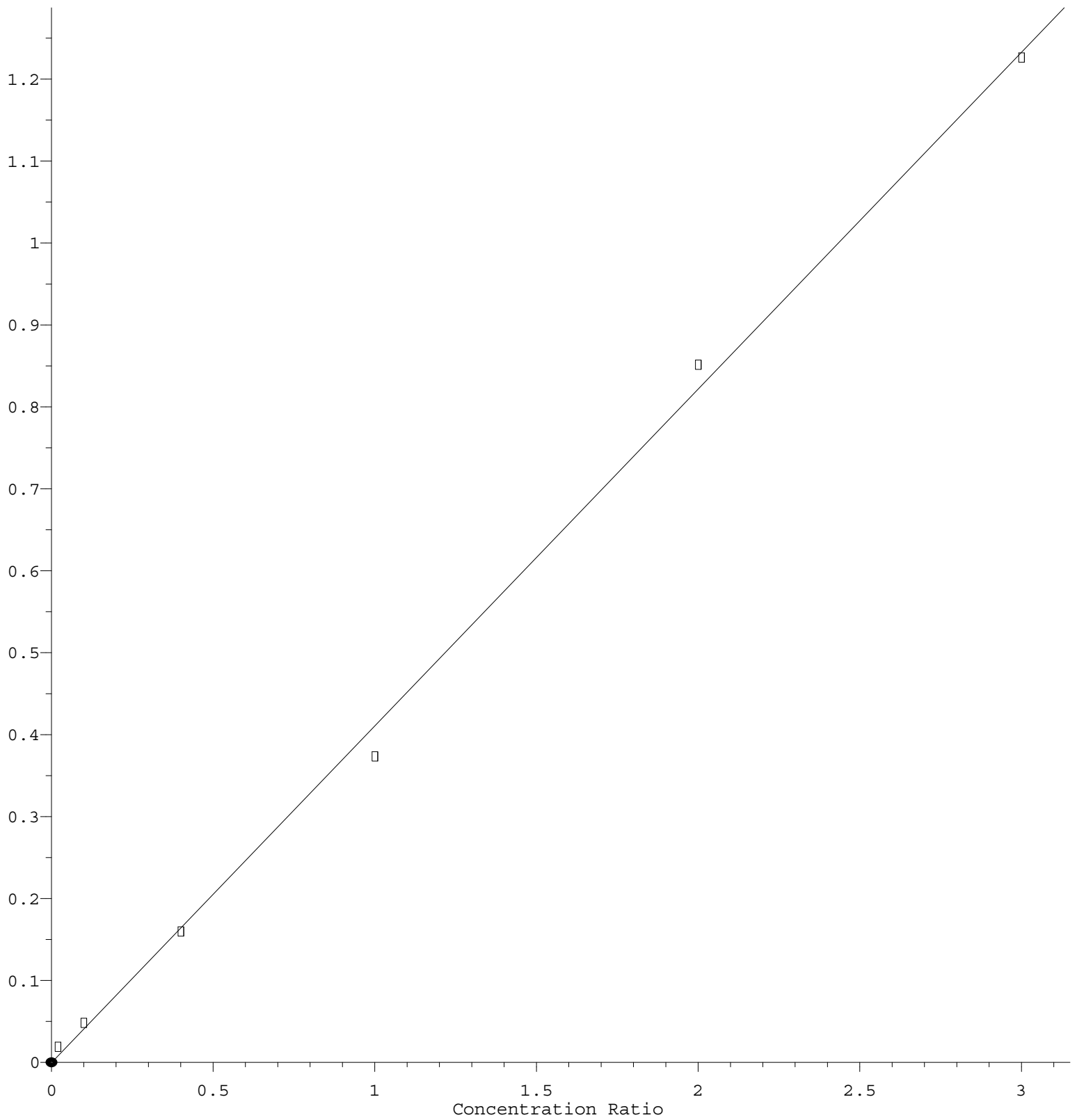
Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X102025W.M

57)	T	1,3-Dichloropr...	0.563	0.572	0.614	0.548	0.572	0.541	0.568	4.51
58)	T	2-Chloroethyl ...	0.154	0.182	0.269	0.260	0.269	0.260	0.232	21.93
59)	T	2-Hexanone	0.231	0.271	0.298	0.267	0.271	0.256	0.266	8.30
60)	T	Dibromochlorom...	0.482	0.441	0.476	0.425	0.442	0.418	0.447	5.89
61)	T	1,2-Dibromoethane	0.346	0.353	0.393	0.342	0.359	0.336	0.355	5.72
62)	S	4-Bromofluorob...	0.500	0.445	0.444	0.446	0.441	0.455		5.51
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.418	0.385	0.378	0.328	0.370	0.361	0.373	7.92
65)	PM	Chlorobenzene	1.149	1.145	1.159	1.045	1.148	1.102	1.125	3.89
66)	T	1,1,1,2-Tetrac...	0.422	0.405	0.423	0.390	0.430	0.409	0.413	3.53
67)	C	Ethyl Benzene	1.905	1.876	1.954	1.825	2.008	1.922	1.915	3.30#
68)	T	m/p-Xylenes	0.647	0.727	0.750	0.687	0.750	0.707	0.712	5.60
69)	T	o-Xylene	0.652	0.684	0.712	0.664	0.723	0.686	0.687	3.93
70)	T	Styrene	1.054	1.165	1.236	1.143	1.247	1.173	1.170	5.98
71)	P	Bromoform	0.338	0.325	0.350	0.308	0.335	0.326	0.330	4.27
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.618	3.579	3.656	3.430	3.875	3.754	3.652	4.17
74)	T	N-ethyl acetate	1.229	1.150	1.339	1.248	1.415	1.392	1.295	7.97
75)	P	1,1,2,2-Tetrac...	0.988	0.974	1.065	0.946	1.018	0.992	0.997	4.08
76)	T	1,2,3-Trichlor...	0.929	0.767	0.822	0.735	0.810	0.802	0.811	8.14
77)	T	Bromobenzene	0.940	0.897	0.930	0.858	0.953	0.916	0.916	3.73
78)	T	n-propylbenzene	4.000	4.169	4.255	4.017	4.544	4.385	4.228	5.02
79)	T	2-Chlorotoluene	2.575	2.512	2.615	2.397	2.693	2.590	2.564	3.92
80)	T	1,3,5-Trimethy...	2.988	2.889	3.079	2.861	3.222	3.094	3.022	4.53
81)	T	trans-1,4-Dich...	0.287	0.330	0.316	0.366	0.368	0.333		10.35
82)	T	4-Chlorotoluene	3.097	2.958	3.119	2.883	3.143	3.059	3.043	3.34
83)	T	tert-Butylbenzene	3.128	3.047	3.086	2.915	3.282	3.173	3.105	3.98
84)	T	1,2,4-Trimethy...	2.791	2.991	3.077	2.864	3.247	3.126	3.016	5.61
85)	T	sec-Butylbenzene	3.789	3.690	3.683	3.476	3.969	3.809	3.736	4.39
86)	T	p-Isopropyltol...	3.342	3.222	3.159	2.986	3.399	3.265	3.229	4.53
87)	T	1,3-Dichlorobe...	1.863	1.750	1.742	1.550	1.747	1.707	1.726	5.86
88)	T	1,4-Dichlorobe...	2.143	1.772	1.803	1.577	1.724	1.710	1.788	10.65
89)	T	n-Butylbenzene	3.328	2.869	2.807	2.622	3.073	2.936	2.939	8.22
90)	T	Hexachloroethane	0.680	0.647	0.621	0.569	0.664	0.645	0.638	6.11
91)	T	1,2-Dichlorobe...	1.803	1.590	1.631	1.494	1.619	1.588	1.621	6.25
92)	T	1,2-Dibromo-3-...	0.167	0.187	0.219	0.195	0.224	0.223	0.202	11.51
93)	T	1,2,4-Trichlor...	1.441	0.994	0.975	0.959	1.114	1.094	1.096	16.47
94)	T	Hexachlorobuta...	0.953	0.482	0.399	0.373	0.426	0.409	0.507	43.70
95)	T	Naphthalene	2.942	2.473	2.880	2.776	3.171	3.181	2.904	9.14
96)	T	1,2,3-Trichlor...	1.154	0.947	0.942	0.909	1.050	1.033	1.006	9.04

(#) = Out of Range

Hexachlorobutadiene

Response Ratio



$$\text{Response} = 4.113\text{e-}001 * \text{Amt} - 5.482\text{e-}004$$

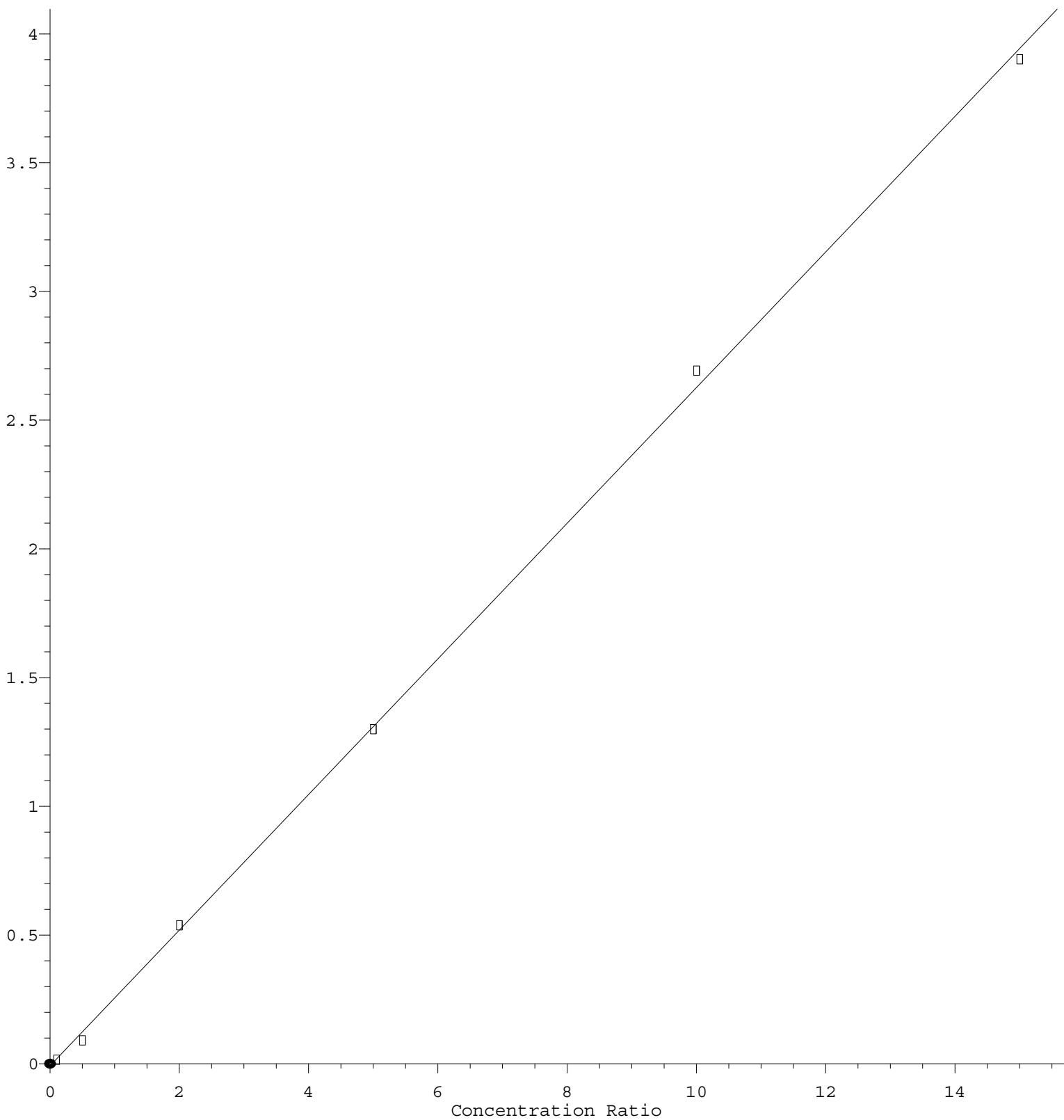
Coef of Det (r^2) = 0.997907 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X102025W.M

Calibration Table Last Updated: Mon Oct 20 14:13:59 2025

2-Chloroethyl Vinyl ether

Response Ratio



$\text{Response} = 2.635\text{e-}001 * \text{Amt} - 8.946\text{e-}003$
 Coef of Det (r^2) = 0.999382 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X102025W.M
 Calibration Table Last Updated: Mon Oct 20 14:13:59 2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
 Data File : VX048229.D
 Acq On : 20 Oct 2025 10:59
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/21/2025
 Supervised By : Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 12:42:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 12:35:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	117157	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	193186	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	177252	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	86943	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	1.173	85	1223	0.995	ug/l	82
3) Chloromethane	1.301	50	1186	0.796	ug/l #	62
4) Vinyl Chloride	1.380	62	1048	0.668	ug/l	92
6) Chloroethane	1.697	64	545	0.546	ug/l	91
7) Trichlorofluoromethane	1.898	101	1819	0.738	ug/l	98
8) Diethyl Ether	2.142	74	542	0.645	ug/l	81
9) 1,1,2-Trichlorotrifluo...	2.337	101	1199	0.864	ug/l	89
12) 1,1-Dichloroethene	2.325	96	1207	0.889	ug/l	88
14) Allyl chloride	2.666	41	2101	0.860	ug/l	96
15) Acrylonitrile	3.069	53	2984	5.171	ug/l	97
16) Acetone	2.380	43	3519	5.684	ug/l	98
17) Carbon Disulfide	2.520	76	4767	1.141	ug/l #	92
18) Methyl Acetate	2.703	43	1204	0.955	ug/l #	85
19) Methyl tert-butyl Ether	3.111	73	4437	1.085	ug/l	100
20) Methylene Chloride	2.794	84	1301	0.863	ug/l #	76
21) trans-1,2-Dichloroethene	3.099	96	1376	0.980	ug/l	96
22) Diisopropyl ether	3.745	45	3977	0.832	ug/l #	26
23) Vinyl Acetate	3.727	43	14769	4.131	ug/l	95
24) 1,1-Dichloroethane	3.611	63	2615	0.964	ug/l	97
25) 2-Butanone	4.574	43	3638	5.043	ug/l	98
26) 2,2-Dichloropropane	4.465	77	2347	1.012	ug/l	84
27) cis-1,2-Dichloroethene	4.489	96	1598	0.959	ug/l	94
28) Bromochloromethane	4.879	49	908	0.726	ug/l #	69
29) Tetrahydrofuran	5.007	42	2088	4.929	ug/l #	73
30) Chloroform	5.093	83	2688	0.941	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	2459	1.048	ug/l #	50
36) 1,1-Dichloropropene	5.696	75	2173	1.151	ug/l #	62
37) Ethyl Acetate	4.727	43	1772m	1.174	ug/l	
38) Carbon Tetrachloride	5.672	117	2513m	1.159	ug/l	
39) Methylcyclohexane	7.373	83	2128	0.999	ug/l	94
40) Benzene	6.032	78	5767	1.028	ug/l #	89
41) Methacrylonitrile	4.916	41	741m	0.917	ug/l	
42) 1,2-Dichloroethane	6.080	62	2044	1.017	ug/l	87
43) Isopropyl Acetate	6.336	43	2548	1.006	ug/l #	85
44) Trichloroethene	7.117	130	1547	1.094	ug/l	83
45) 1,2-Dichloropropane	7.422	63	1195	0.842	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
 Data File : VX048229.D
 Acq On : 20 Oct 2025 10:59
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/21/2025
 Supervised By : Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 12:42:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 12:35:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.574	93	1032	1.011	ug/l	95
47) Bromodichloromethane	7.812	83	2204	0.999	ug/l #	79
48) Methyl methacrylate	7.684	41	1283	0.989	ug/l	95
49) 1,4-Dioxane	7.665	88	255	21.840	ug/l #	34
51) 4-Methyl-2-Pentanone	8.562	43	7066	5.011	ug/l	91
52) Toluene	8.708	92	3403	1.010	ug/l	95
53) t-1,3-Dichloropropene	8.970	75	1844	0.892	ug/l #	74
54) cis-1,3-Dichloropropene	8.360	75	2250	0.998	ug/l	90
55) 1,1,2-Trichloroethane	9.147	97	1229	0.977	ug/l #	85
56) Ethyl methacrylate	9.104	69	1616	0.945	ug/l	96
57) 1,3-Dichloropropane	9.299	76	2174	0.989	ug/l	93
58) 2-Chloroethyl Vinyl ether	8.232	63	2970	3.381	ug/l	100
59) 2-Hexanone	9.421	43	4456	4.518	ug/l	92
60) Dibromochloromethane	9.507	129	1862	1.183	ug/l	95
61) 1,2-Dibromoethane	9.598	107	1338	1.037	ug/l	98
64) Tetrachloroethene	9.257	164	1482	1.192	ug/l	92
65) Chlorobenzene	10.067	112	4073	1.051	ug/l	90
66) 1,1,1,2-Tetrachloroethane	10.147	131	1495	1.070	ug/l #	66
67) Ethyl Benzene	10.177	91	6752	1.016	ug/l	97
68) m/p-Xylenes	10.287	106	4589	1.854	ug/l	90
69) o-Xylene	10.628	106	2313	0.993	ug/l	99
70) Styrene	10.640	104	3737	0.932	ug/l	96
71) Bromoform	10.787	173	1198	1.168	ug/l #	99
73) Isopropylbenzene	10.945	105	6291	1.040	ug/l	93
74) N-amyl acetate	10.829	43	2137	0.947	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.195	83	1718	1.003	ug/l	90
76) 1,2,3-Trichloropropane	11.220	75	1615m	1.216	ug/l	
77) Bromobenzene	11.183	156	1635	1.080	ug/l	91
78) n-propylbenzene	11.287	91	6956	0.949	ug/l	94
79) 2-Chlorotoluene	11.348	91	4477	1.010	ug/l	97
80) 1,3,5-Trimethylbenzene	11.433	105	5196	1.047	ug/l	97
82) 4-Chlorotoluene	11.439	91	5385	1.034	ug/l	99
83) tert-Butylbenzene	11.695	119	5439	1.085	ug/l	91
84) 1,2,4-Trimethylbenzene	11.738	105	4854	0.982	ug/l	99
85) sec-Butylbenzene	11.872	105	6589	1.075	ug/l	99
86) p-Isopropyltoluene	11.994	119	5812	1.125	ug/l	91
87) 1,3-Dichlorobenzene	11.951	146	3239	1.145	ug/l	96
88) 1,4-Dichlorobenzene	12.024	146	3727m	1.270	ug/l	
89) n-Butylbenzene	12.317	91	5787	1.202	ug/l	98
90) Hexachloroethane	12.518	117	1182	1.084	ug/l	77
91) 1,2-Dichlorobenzene	12.317	146	3135	1.172	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.933	75	290	0.926	ug/l	79
93) 1,2,4-Trichlorobenzene	13.573	180	2505	1.587	ug/l	90
94) Hexachlorobutadiene	13.707	225	1658	2.724	ug/l	97
95) Naphthalene	13.762	128	5116	1.230	ug/l	98
96) 1,2,3-Trichlorobenzene	13.945	180	2006	1.377	ug/l	100

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

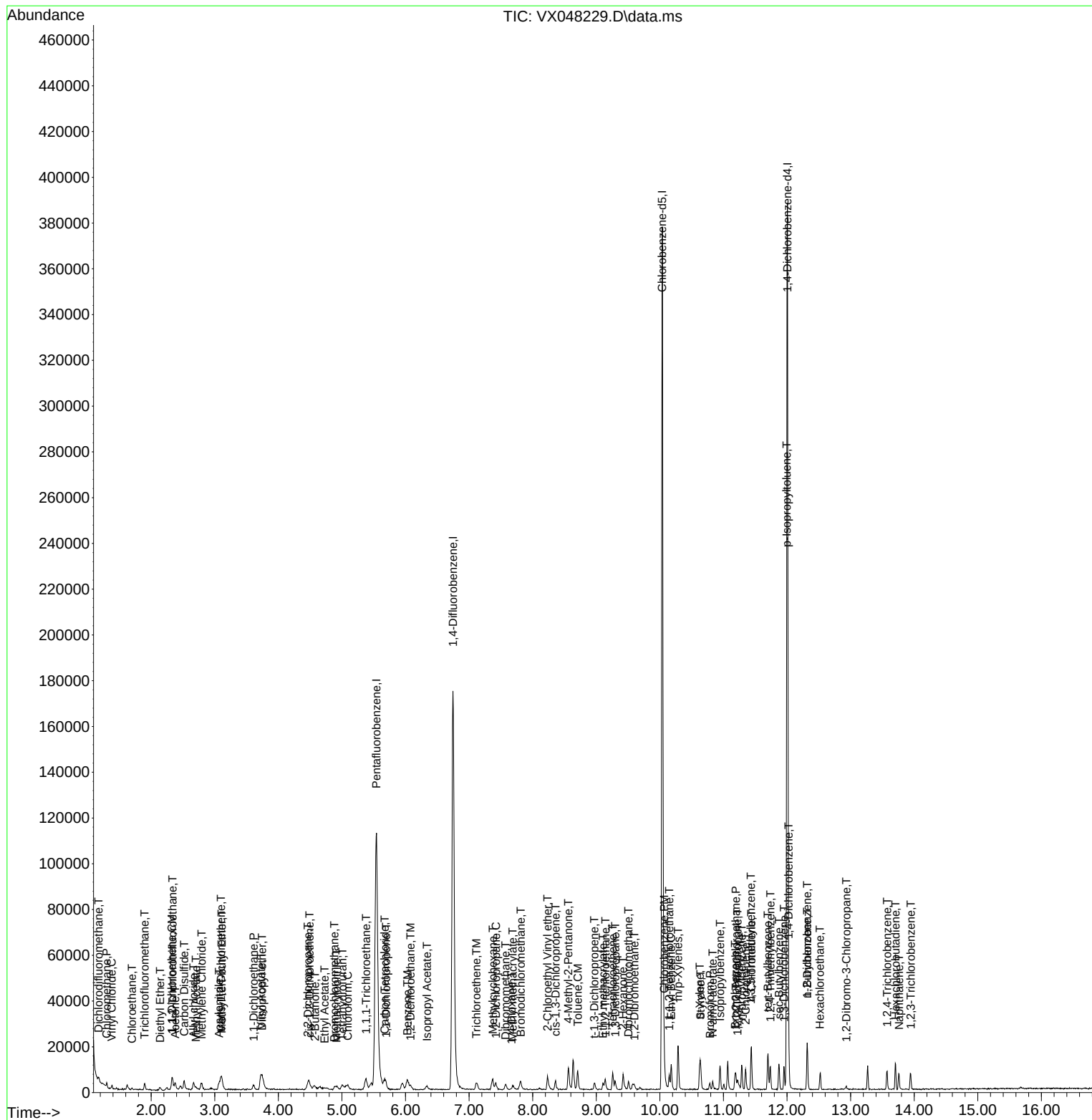
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048229.D
Acq On    : 20 Oct 2025  10:59
Operator  : JC/MD
Sample    : VSTDIC001
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 4      Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 12:42:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
 Data File : VX048231.D
 Acq On : 20 Oct 2025 11:40
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/21/2025
 Supervised By : Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 12:37:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 12:35:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	119626	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	195028	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	178975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	90972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	33936	18.312	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	36.620%#		
35) Dibromofluoromethane	5.373	113	26897	19.872	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	39.740%#		
50) Toluene-d8	8.635	98	92476	18.965	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	37.920%#		
62) 4-Bromofluorobenzene	11.061	95	34724	19.551	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	39.100%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.179	85	24524	19.532	ug/l	98
3) Chloromethane	1.300	50	22401	14.727	ug/l	100
4) Vinyl Chloride	1.380	62	20913	13.048	ug/l	94
5) Bromomethane	1.617	94	15473	14.517	ug/l	100
6) Chloroethane	1.697	64	13249	12.990	ug/l	93
7) Trichlorofluoromethane	1.898	101	41824	16.625	ug/l	98
8) Diethyl Ether	2.136	74	12293	14.325	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.337	101	25843	18.229	ug/l	96
10) Methyl Iodide	2.459	142	30452	17.934	ug/l	99
11) Tert butyl alcohol	2.947	59	16521	134.353	ug/l	100
12) 1,1-Dichloroethene	2.325	96	26209	18.907	ug/l	92
13) Acrolein	2.239	56	15157	58.651	ug/l	99
14) Allyl chloride	2.666	41	43494	17.443	ug/l	98
15) Acrylonitrile	3.056	53	63931	108.499	ug/l	97
16) Acetone	2.373	43	59884	94.723	ug/l	96
17) Carbon Disulfide	2.520	76	77142	18.087	ug/l	98
18) Methyl Acetate	2.703	43	26374	20.482	ug/l	92
19) Methyl tert-butyl Ether	3.111	73	91349	21.877	ug/l	100
20) Methylene Chloride	2.794	84	31157	20.231	ug/l	88
21) trans-1,2-Dichloroethene	3.093	96	28001	19.525	ug/l	94
22) Diisopropyl ether	3.751	45	90030	18.439	ug/l	87
23) Vinyl Acetate	3.715	43	364009	99.706	ug/l	98
24) 1,1-Dichloroethane	3.605	63	51927	18.746	ug/l	98
25) 2-Butanone	4.544	43	78643	106.774	ug/l	95
26) 2,2-Dichloropropane	4.465	77	46568	19.669	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	33508	19.688	ug/l	98
28) Bromochloromethane	4.891	49	19339	15.146	ug/l	90
29) Tetrahydrofuran	4.995	42	47457	109.718	ug/l	94
30) Chloroform	5.080	83	57780	19.813	ug/l	99
31) Cyclohexane	5.464	56	42796	18.882	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	51929	21.672	ug/l	98
36) 1,1-Dichloropropene	5.684	75	38270	20.071	ug/l	99
37) Ethyl Acetate	4.702	43	30904	20.280	ug/l #	95
38) Carbon Tetrachloride	5.666	117	46323	21.166	ug/l	98
39) Methylcyclohexane	7.366	83	42776	19.897	ug/l	94
40) Benzene	6.025	78	115488	20.398	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
 Data File : VX048231.D
 Acq On : 20 Oct 2025 11:40
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/21/2025
 Supervised By : Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 12:37:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 12:35:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	18461	22.621	ug/l	97
42) 1,2-Dichloroethane	6.074	62	44176	21.778	ug/l	100
43) Isopropyl Acetate	6.324	43	55317	21.625	ug/l	96
44) Trichloroethene	7.110	130	29108	20.399	ug/l	90
45) 1,2-Dichloropropane	7.421	63	28242	19.709	ug/l	97
46) Dibromomethane	7.568	93	21605	20.955	ug/l	92
47) Bromodichloromethane	7.805	83	46221	20.743	ug/l	100
48) Methyl methacrylate	7.677	41	27751	21.193	ug/l	94
49) 1,4-Dioxane	7.647	88	7620	646.470	ug/l	91
51) 4-Methyl-2-Pentanone	8.555	43	164708	115.713	ug/l	94
52) Toluene	8.702	92	73623	21.635	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	45416	21.756	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	47130	20.713	ug/l	96
55) 1,1,2-Trichloroethane	9.134	97	27884	21.961	ug/l	98
56) Ethyl methacrylate	9.104	69	41809	24.210	ug/l	93
57) 1,3-Dichloropropane	9.293	76	47896	21.591	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	104883	118.278	ug/l	96
59) 2-Hexanone	9.415	43	116268	116.777	ug/l	95
60) Dibromochloromethane	9.506	129	37127	23.361	ug/l	98
61) 1,2-Dibromoethane	9.598	107	30639	23.533	ug/l	96
64) Tetrachloroethene	9.256	164	27043	21.550	ug/l	89
65) Chlorobenzene	10.061	112	83004	21.211	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	30278	21.471	ug/l	98
67) Ethyl Benzene	10.177	91	139895	20.852	ug/l	98
68) m/p-Xylenes	10.287	106	107377	42.962	ug/l	100
69) o-Xylene	10.622	106	50950	21.655	ug/l	98
70) Styrene	10.640	104	88481	21.848	ug/l	99
71) Bromoform	10.780	173	25027	24.168	ug/l #	100
73) Isopropylbenzene	10.945	105	133034	21.025	ug/l	99
74) N-amyl acetate	10.829	43	48726	20.642	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.195	83	38748	21.616	ug/l	98
76) 1,2,3-Trichloropropane	11.219	75	29913m	21.533	ug/l	
77) Bromobenzene	11.183	156	33843	21.374	ug/l	95
78) n-propylbenzene	11.286	91	154839	20.180	ug/l	98
79) 2-Chlorotoluene	11.347	91	95156	20.526	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	112057	21.575	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	12001	21.154	ug/l	94
82) 4-Chlorotoluene	11.439	91	113495	20.833	ug/l	98
83) tert-Butylbenzene	11.695	119	112305	21.403	ug/l	97
84) 1,2,4-Trimethylbenzene	11.732	105	111976	21.652	ug/l	100
85) sec-Butylbenzene	11.872	105	134014	20.891	ug/l	100
86) p-Isopropyltoluene	11.994	119	114969	21.263	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	63377	21.403	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	65612	21.375	ug/l	99
89) n-Butylbenzene	12.317	91	102140	20.281	ug/l	99
90) Hexachloroethane	12.518	117	22609	19.811	ug/l	94
91) 1,2-Dichlorobenzene	12.317	146	59345	21.212	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	7983	24.372	ug/l	94
93) 1,2,4-Trichlorobenzene	13.567	180	35465	21.473	ug/l	98
94) Hexachlorobutadiene	13.707	225	14529	22.810	ug/l	98
95) Naphthalene	13.756	128	104803	24.073	ug/l	99
96) 1,2,3-Trichlorobenzene	13.945	180	34276	22.493	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048231.D
Acq On : 20 Oct 2025 11:40
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 12:37:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration

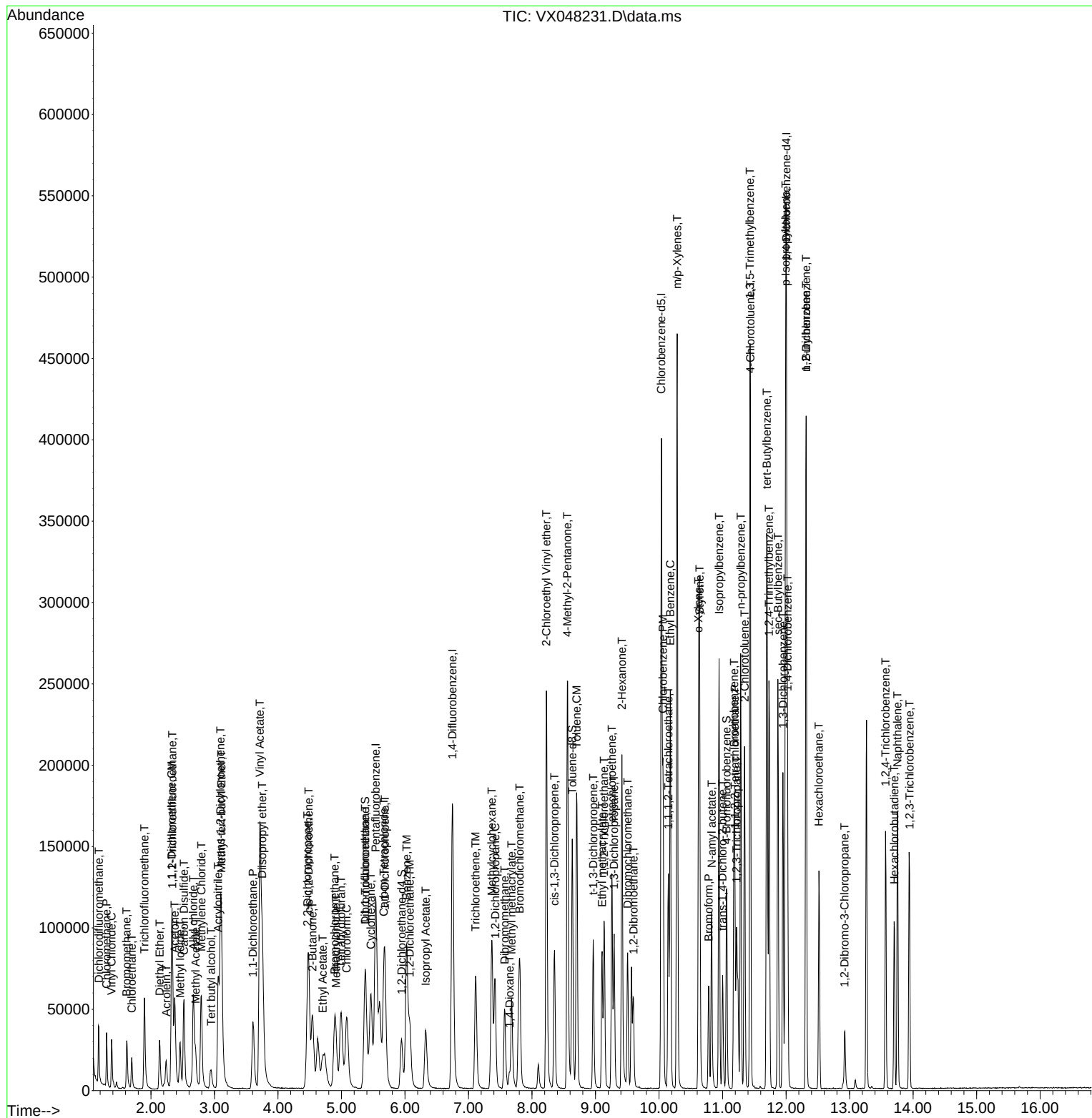
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
 Data File : VX048232.D
 Acq On : 20 Oct 2025 12:01
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/21/2025
 Supervised By : Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 12:35:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 12:35:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	124491	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	201906	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	184494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	92693	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	84951	44.048	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.100%		
35) Dibromofluoromethane	5.379	113	66593	47.523	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.040%		
50) Toluene-d8	8.635	98	239295	47.402	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.800%		
62) 4-Bromofluorobenzene	11.061	95	89579	48.719	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.440%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	60172	46.052	ug/l	98
3) Chloromethane	1.301	50	55934	35.336	ug/l	100
4) Vinyl Chloride	1.380	62	51819	31.067	ug/l	99
5) Bromomethane	1.618	94	35101	31.646	ug/l	98
6) Chloroethane	1.697	64	30718	28.940	ug/l	95
7) Trichlorofluoromethane	1.898	101	100423	38.358	ug/l	99
8) Diethyl Ether	2.136	74	27723	31.044	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.337	101	62391	42.290	ug/l	95
10) Methyl Iodide	2.459	142	82552	46.716	ug/l	99
11) Tert butyl alcohol	2.947	59	38534	301.123	ug/l	99
12) 1,1-Dichloroethene	2.325	96	60330	41.821	ug/l	94
13) Acrolein	2.239	56	40536	150.726	ug/l	100
14) Allyl chloride	2.666	41	100234	38.627	ug/l	97
15) Acrylonitrile	3.056	53	149009	243.004	ug/l	100
16) Acetone	2.374	43	126003	191.520	ug/l	100
17) Carbon Disulfide	2.514	76	179492	40.440	ug/l	99
18) Methyl Acetate	2.703	43	58071	43.336	ug/l	91
19) Methyl tert-butyl Ether	3.111	73	212092	48.809	ug/l	96
20) Methylene Chloride	2.788	84	68663	42.841	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	66608	44.631	ug/l	96
22) Diisopropyl ether	3.757	45	206901	40.720	ug/l	91
23) Vinyl Acetate	3.715	43	839370	220.927	ug/l	97
24) 1,1-Dichloroethane	3.611	63	121657	42.204	ug/l	99
25) 2-Butanone	4.544	43	175075	228.411	ug/l	93
26) 2,2-Dichloropropane	4.471	77	109062	44.264	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	77911	43.988	ug/l	98
28) Bromochloromethane	4.885	49	54919	41.331	ug/l	85
29) Tetrahydrofuran	4.989	42	106381	236.335	ug/l	93
30) Chloroform	5.087	83	130274	42.925	ug/l	96
31) Cyclohexane	5.465	56	102251	43.351	ug/l	92
32) 1,1,1-Trichloroethane	5.373	97	121090	48.560	ug/l	99
36) 1,1-Dichloropropene	5.684	75	87493	44.323	ug/l	98
37) Ethyl Acetate	4.702	43	74261	47.073	ug/l	97
38) Carbon Tetrachloride	5.666	117	111708	49.302	ug/l	98
39) Methylcyclohexane	7.367	83	109077	49.008	ug/l	94
40) Benzene	6.025	78	262745	44.825	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
 Data File : VX048232.D
 Acq On : 20 Oct 2025 12:01
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/21/2025
 Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 12:35:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 12:35:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	41293	48.874	ug/l	96
42) 1,2-Dichloroethane	6.074	62	100937	48.064	ug/l	99
43) Isopropyl Acetate	6.324	43	128290	48.444	ug/l	96
44) Trichloroethene	7.111	130	70313	47.597	ug/l	98
45) 1,2-Dichloropropane	7.415	63	64895	43.746	ug/l	99
46) Dibromomethane	7.568	93	49874	46.726	ug/l	94
47) Bromodichloromethane	7.806	83	108671	47.107	ug/l	97
48) Methyl methacrylate	7.678	41	65057	47.990	ug/l	94
49) 1,4-Dioxane	7.647	88	17905	1467.288	ug/l	90
51) 4-Methyl-2-Pentanone	8.555	43	380665	258.320	ug/l	95
52) Toluene	8.702	92	173942	49.373	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	109960	50.880	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	115534	49.046	ug/l	93
55) 1,1,2-Trichloroethane	9.135	97	64737	49.248	ug/l	96
56) Ethyl methacrylate	9.104	69	98851	55.290	ug/l	94
57) 1,3-Dichloropropane	9.293	76	110709	48.206	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	262387	285.817	ug/l	95
59) 2-Hexanone	9.415	43	269143	261.113	ug/l	96
60) Dibromochloromethane	9.506	129	85760	52.123	ug/l	98
61) 1,2-Dibromoethane	9.592	107	69022	51.208	ug/l	99
64) Tetrachloroethene	9.257	164	60510	46.776	ug/l	96
65) Chlorobenzene	10.061	112	192841	47.805	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	71930	49.482	ug/l	98
67) Ethyl Benzene	10.177	91	336660	48.680	ug/l	99
68) m/p-Xylenes	10.287	106	253662	98.455	ug/l	100
69) o-Xylene	10.622	106	122582	50.542	ug/l	98
70) Styrene	10.640	104	210861	50.508	ug/l	100
71) Bromoform	10.781	173	56874	53.279	ug/l #	100
73) Isopropylbenzene	10.945	105	317974	49.321	ug/l	100
74) N-amyl acetate	10.823	43	115683	48.098	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.195	83	87705	48.020	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	68104m	48.115	ug/l	
77) Bromobenzene	11.183	156	79543	49.303	ug/l	94
78) n-propylbenzene	11.287	91	372312	47.621	ug/l	98
79) 2-Chlorotoluene	11.348	91	222217	47.045	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	265174	50.108	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	29295	50.678	ug/l	98
82) 4-Chlorotoluene	11.439	91	267236	48.142	ug/l	98
83) tert-Butylbenzene	11.695	119	270202	50.539	ug/l	96
84) 1,2,4-Trimethylbenzene	11.732	105	265485	50.381	ug/l	99
85) sec-Butylbenzene	11.872	105	322219	49.298	ug/l	100
86) p-Isopropyltoluene	11.994	119	276821	50.246	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	143699	47.627	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	146196	46.744	ug/l	99
89) n-Butylbenzene	12.317	91	243063	47.367	ug/l	99
90) Hexachloroethane	12.518	117	52735	45.350	ug/l	96
91) 1,2-Dichlorobenzene	12.317	146	138489	48.582	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.927	75	18059	54.111	ug/l	99
93) 1,2,4-Trichlorobenzene	13.567	180	88920	52.839	ug/l	99
94) Hexachlorobutadiene	13.707	225	34615	53.334	ug/l	97
95) Naphthalene	13.756	128	257281	57.999	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	84279	54.281	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048232.D
Acq On : 20 Oct 2025 12:01
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 12:35:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 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

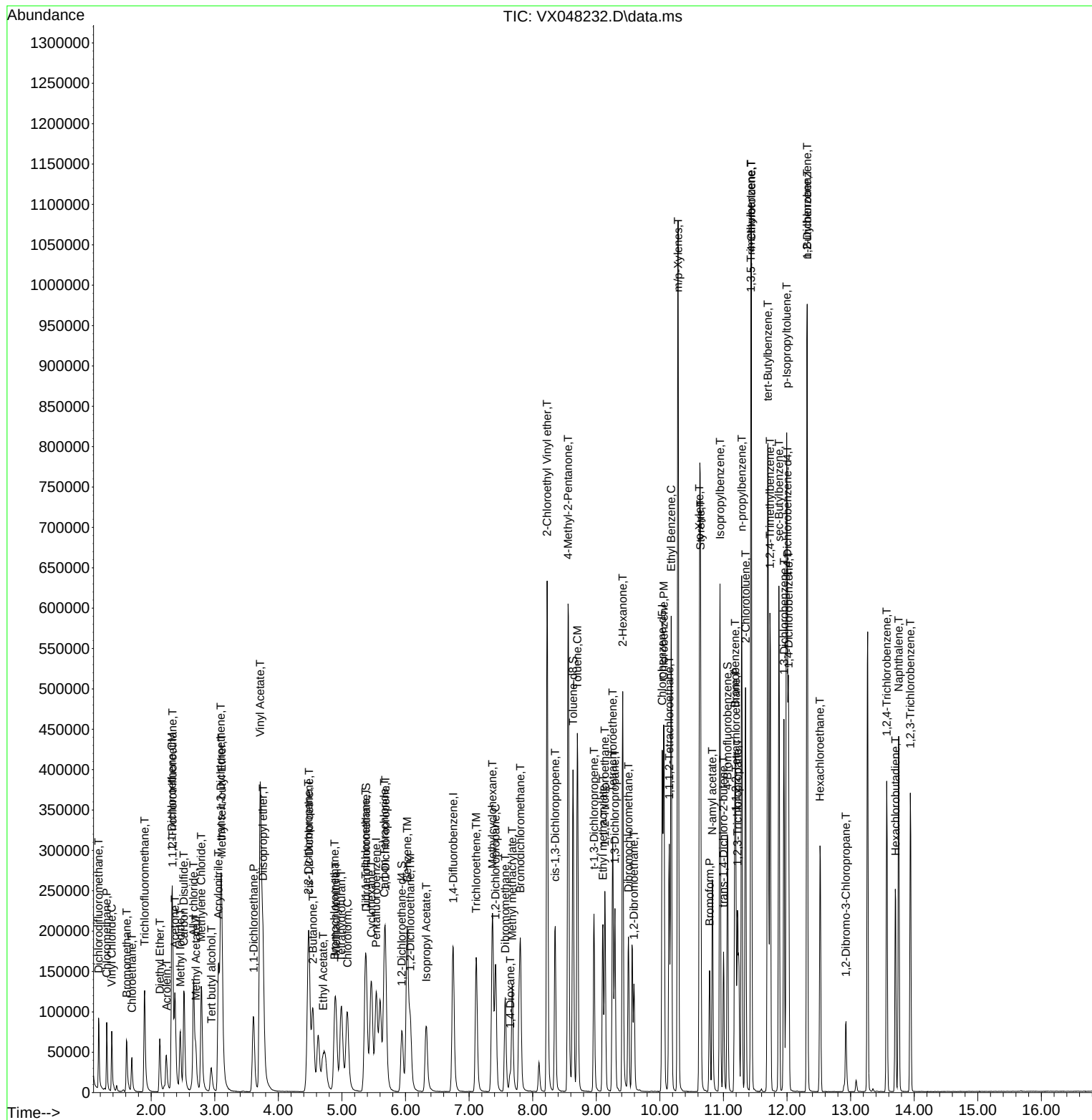
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048232.D
Acq On : 20 Oct 2025 12:01
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 12:35:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
 Data File : VX048233.D
 Acq On : 20 Oct 2025 12:22
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/21/2025
 Supervised By : Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 12:46:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 12:35:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	117551	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	187766	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	163588	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	80621	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	162188	89.060	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 178.120%#			
35) Dibromofluoromethane	5.373	113	129919	99.697	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 199.400%#			
50) Toluene-d8	8.634	98	448948	95.629	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 191.260%#			
62) 4-Bromofluorobenzene	11.061	95	167565	97.996	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 196.000%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	127029	102.960	ug/l	97
3) Chloromethane	1.300	50	111895	74.863	ug/l	100
4) Vinyl Chloride	1.379	62	108564	68.931	ug/l	100
5) Bromomethane	1.605	94	65752	62.780	ug/l	99
6) Chloroethane	1.690	64	66332	66.181	ug/l	92
7) Trichlorofluoromethane	1.892	101	213301	86.283	ug/l	98
8) Diethyl Ether	2.135	74	58302	69.141	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.337	101	136951	98.309	ug/l	96
10) Methyl Iodide	2.452	142	183697	110.092	ug/l	99
11) Tert butyl alcohol	2.952	59	78284	647.864	ug/l	99
12) 1,1-Dichloroethene	2.324	96	131152	96.282	ug/l	93
13) Acrolein	2.239	56	87244	343.554	ug/l	100
14) Allyl chloride	2.666	41	214290	87.456	ug/l	98
15) Acrylonitrile	3.056	53	298022	514.707	ug/l	100
16) Acetone	2.373	43	260058	418.616	ug/l	99
17) Carbon Disulfide	2.513	76	380127	90.700	ug/l	99
18) Methyl Acetate	2.702	43	120920	95.565	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	427254	104.130	ug/l	97
20) Methylene Chloride	2.788	84	140317	92.718	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	139080	98.694	ug/l	96
22) Diisopropyl ether	3.751	45	420126	87.566	ug/l	89
23) Vinyl Acetate	3.714	43	1723170	480.325	ug/l	96
24) 1,1-Dichloroethane	3.605	63	248141	91.164	ug/l	99
25) 2-Butanone	4.543	43	353741	488.753	ug/l	98
26) 2,2-Dichloropropane	4.470	77	228643	98.275	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	163444	97.727	ug/l	98
28) Bromochloromethane	4.885	49	108536	86.505	ug/l	86
29) Tetrahydrofuran	4.989	42	216543	509.471	ug/l	93
30) Chloroform	5.080	83	264966	92.461	ug/l	98
31) Cyclohexane	5.464	56	217717	97.754	ug/l	91
32) 1,1,1-Trichloroethane	5.373	97	248018	105.334	ug/l	98
36) 1,1-Dichloropropene	5.684	75	183932	100.194	ug/l	99
37) Ethyl Acetate	4.702	43	153844	104.863	ug/l	99
38) Carbon Tetrachloride	5.665	117	226976	107.719	ug/l	99
39) Methylcyclohexane	7.366	83	235208	113.637	ug/l	95
40) Benzene	6.025	78	535407	98.221	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
 Data File : VX048233.D
 Acq On : 20 Oct 2025 12:22
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/21/2025
 Supervised By : Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 12:46:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 12:35:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.909	41	83790	106.641	ug/l	97
42) 1,2-Dichloroethane	6.074	62	198348	101.562	ug/l	99
43) Isopropyl Acetate	6.324	43	256067	103.976	ug/l	95
44) Trichloroethene	7.110	130	142779	103.931	ug/l	99
45) 1,2-Dichloropropane	7.415	63	130188	94.368	ug/l	96
46) Dibromomethane	7.567	93	98105	98.835	ug/l	94
47) Bromodichloromethane	7.805	83	215302	100.358	ug/l	99
48) Methyl methacrylate	7.677	41	131454	104.272	ug/l	95
49) 1,4-Dioxane	7.647	88	35972	3169.845	ug/l	89
51) 4-Methyl-2-Pentanone	8.561	43	720980	526.103	ug/l	94
52) Toluene	8.701	92	341597	104.263	ug/l	99
53) t-1,3-Dichloropropene	8.963	75	215736	107.341	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	231037	105.465	ug/l	94
55) 1,1,2-Trichloroethane	9.134	97	124910	102.180	ug/l	98
56) Ethyl methacrylate	9.104	69	196699	118.305	ug/l	94
57) 1,3-Dichloropropane	9.293	76	214853	100.598	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	505448	592.044	ug/l	96
59) 2-Hexanone	9.415	43	509398	531.416	ug/l	95
60) Dibromochloromethane	9.506	129	166167	108.598	ug/l	100
61) 1,2-Dibromoethane	9.591	107	134662	107.431	ug/l	97
64) Tetrachloroethene	9.256	164	121163	105.633	ug/l	97
65) Chlorobenzene	10.061	112	375532	104.990	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	140599	109.080	ug/l	97
67) Ethyl Benzene	10.177	91	656925	107.128	ug/l	98
68) m/p-Xylenes	10.286	106	490879	214.875	ug/l	100
69) o-Xylene	10.622	106	236648	110.042	ug/l	100
70) Styrene	10.640	104	407916	110.197	ug/l	99
71) Bromoform	10.780	173	109613	115.806	ug/l #	98
73) Isopropylbenzene	10.945	105	624767	111.418	ug/l	99
74) N-amyl acetate	10.829	43	228080	109.030	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.195	83	164207	103.367	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	130599m	106.083	ug/l	
77) Bromobenzene	11.183	156	153619	109.475	ug/l	93
78) n-propylbenzene	11.286	91	732684	107.747	ug/l	98
79) 2-Chlorotoluene	11.347	91	434217	105.691	ug/l	100
80) 1,3,5-Trimethylbenzene	11.432	105	519549	112.876	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	59059	117.466	ug/l	98
82) 4-Chlorotoluene	11.439	91	506861	104.983	ug/l	98
83) tert-Butylbenzene	11.695	119	529264	113.817	ug/l	98
84) 1,2,4-Trimethylbenzene	11.731	105	523474	114.214	ug/l	99
85) sec-Butylbenzene	11.871	105	639904	112.562	ug/l	100
86) p-Isopropyltoluene	11.987	119	548119	114.386	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	281617	107.314	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	277908	102.163	ug/l	98
89) n-Butylbenzene	12.316	91	495486	111.016	ug/l	99
90) Hexachloroethane	12.518	117	107057	105.851	ug/l	93
91) 1,2-Dichlorobenzene	12.316	146	261022	105.277	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	36087	124.320	ug/l	97
93) 1,2,4-Trichlorobenzene	13.566	180	179562	122.679	ug/l	100
94) Hexachlorobutadiene	13.706	225	68645	121.605	ug/l	98
95) Naphthalene	13.755	128	511355	132.536	ug/l	99
96) 1,2,3-Trichlorobenzene	13.944	180	169248	125.328	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048233.D
Acq On : 20 Oct 2025 12:22
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 12:46:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 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

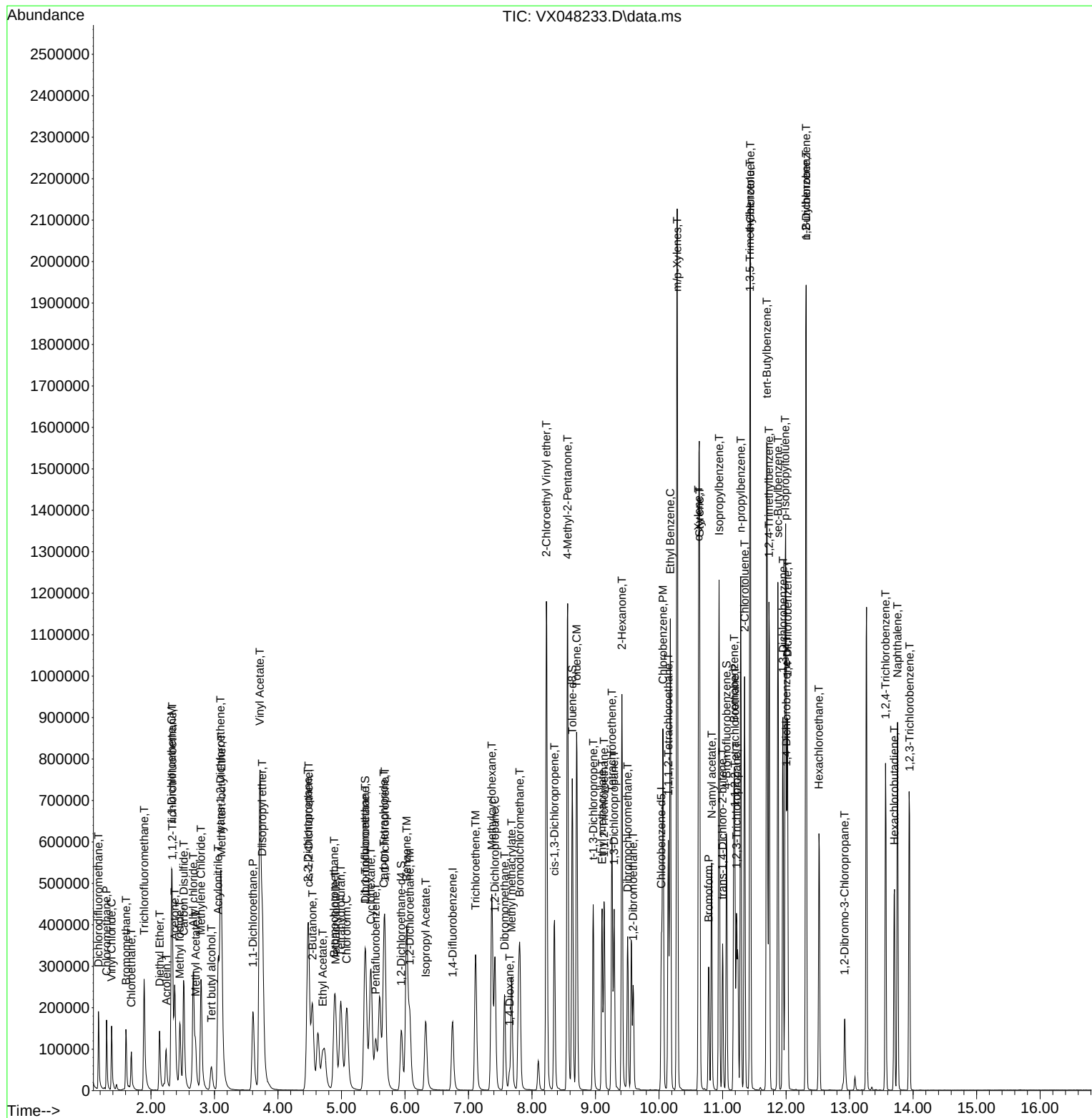
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
 Data File : VX048233.D
 Acq On : 20 Oct 2025 12:22
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations APPROVED

Reviewed By : John Carlone 10/21/2025
 Supervised By : Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 12:46:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 12:35:14 2025
 Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
 Data File : VX048234.D
 Acq On : 20 Oct 2025 12:43
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/21/2025
 Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 13:01:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 12:35:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	112063	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	180904	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	155759	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	75397	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	234807	135.251	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 270.500%#			
35) Dibromofluoromethane	5.373	113	188821	150.393	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 300.780%#			
50) Toluene-d8	8.635	98	648652	143.408	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 286.820%#			
62) 4-Bromofluorobenzene	11.061	95	239298	145.255	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 290.520%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	169514	144.124	ug/l	95
3) Chloromethane	1.301	50	158322	111.112	ug/l	99
4) Vinyl Chloride	1.380	62	149708	99.710	ug/l	99
5) Bromomethane	1.605	94	92946	93.091	ug/l	97
6) Chloroethane	1.685	64	89813	93.997	ug/l	96
7) Trichlorofluoromethane	1.892	101	292007	123.905	ug/l	99
8) Diethyl Ether	2.136	74	81474	101.352	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.331	101	184438	138.880	ug/l	96
10) Methyl Iodide	2.453	142	249395	156.785	ug/l	100
11) Tert butyl alcohol	2.959	59	107295	931.439	ug/l	100
12) 1,1-Dichloroethene	2.325	96	178408	137.389	ug/l	95
13) Acrolein	2.239	56	123365	509.584	ug/l	99
14) Allyl chloride	2.666	41	293697	125.734	ug/l	98
15) Acrylonitrile	3.062	53	412892	748.019	ug/l	100
16) Acetone	2.380	43	347029	585.970	ug/l	99
17) Carbon Disulfide	2.514	76	515144	128.936	ug/l	100
18) Methyl Acetate	2.697	43	169402	140.438	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	593033	151.611	ug/l	97
20) Methylene Chloride	2.788	84	190483	132.030	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	187495	139.566	ug/l	98
22) Diisopropyl ether	3.757	45	571951	125.048	ug/l	93
23) Vinyl Acetate	3.715	43	2367511	692.251	ug/l	96
24) 1,1-Dichloroethane	3.605	63	342500	131.992	ug/l	99
25) 2-Butanone	4.544	43	487152	706.046	ug/l	96
26) 2,2-Dichloropropane	4.465	77	310572	140.027	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	222359	139.465	ug/l	98
28) Bromochloromethane	4.891	49	151812	126.922	ug/l	87
29) Tetrahydrofuran	4.989	42	301745	744.697	ug/l	94
30) Chloroform	5.080	83	358626	131.272	ug/l	98
31) Cyclohexane	5.464	56	291302	137.199	ug/l	91
32) 1,1,1-Trichloroethane	5.373	97	338462	150.785	ug/l	98
36) 1,1-Dichloropropene	5.684	75	249688	141.173	ug/l	99
37) Ethyl Acetate	4.702	43	208614	147.588	ug/l	97
38) Carbon Tetrachloride	5.666	117	307892	151.663	ug/l	100
39) Methylcyclohexane	7.367	83	315911	158.416	ug/l	95
40) Benzene	6.025	78	730908	139.172	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
 Data File : VX048234.D
 Acq On : 20 Oct 2025 12:43
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/21/2025
 Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 13:01:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 12:35:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	115351	152.378	ug/l	97
42) 1,2-Dichloroethane	6.074	62	269245	143.093	ug/l	99
43) Isopropyl Acetate	6.324	43	361084	152.180	ug/l	96
44) Trichloroethene	7.110	130	197244	149.022	ug/l	98
45) 1,2-Dichloropropane	7.415	63	180619	135.890	ug/l	99
46) Dibromomethane	7.568	93	135105	141.273	ug/l	94
47) Bromodichloromethane	7.805	83	292063	141.302	ug/l	97
48) Methyl methacrylate	7.677	41	184354	151.780	ug/l	95
49) 1,4-Dioxane	7.647	88	49895	4563.512	ug/l	88
51) 4-Methyl-2-Pentanone	8.561	43	983125	744.604	ug/l	94
52) Toluene	8.702	92	460742	145.964	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	300251	155.059	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	317375	150.373	ug/l	94
55) 1,1,2-Trichloroethane	9.135	97	169894	144.250	ug/l	98
56) Ethyl methacrylate	9.104	69	272177	169.911	ug/l	94
57) 1,3-Dichloropropane	9.293	76	293650	142.707	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.232	63	705780	858.056	ug/l	95
59) 2-Hexanone	9.415	43	694736	752.256	ug/l	96
60) Dibromochloromethane	9.506	129	226642	153.740	ug/l	99
61) 1,2-Dibromoethane	9.592	107	182208	150.876	ug/l	99
64) Tetrachloroethene	9.263	164	168581	154.361	ug/l	91
65) Chlorobenzene	10.061	112	514967	151.209	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	191186	155.782	ug/l	98
67) Ethyl Benzene	10.177	91	898137	153.825	ug/l	99
68) m/p-Xylenes	10.287	106	661019	303.896	ug/l	99
69) o-Xylene	10.622	106	320334	156.444	ug/l	99
70) Styrene	10.640	104	548149	155.523	ug/l	98
71) Bromoform	10.781	173	152209	168.892	ug/l #	99
73) Isopropylbenzene	10.945	105	849183	161.931	ug/l	100
74) N-amyl acetate	10.829	43	314879	160.952	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.195	83	224486	151.104	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	181434m	157.586	ug/l	
77) Bromobenzene	11.183	156	207212	157.899	ug/l	94
78) n-propylbenzene	11.287	91	991960	155.984	ug/l	98
79) 2-Chlorotoluene	11.348	91	585792	152.465	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	699885	162.591	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	83158	176.858	ug/l	97
82) 4-Chlorotoluene	11.439	91	691903	153.240	ug/l	99
83) tert-Butylbenzene	11.695	119	717642	165.020	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	707074	164.961	ug/l	99
85) sec-Butylbenzene	11.872	105	861466	162.035	ug/l	100
86) p-Isopropyltoluene	11.994	119	738496	164.794	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	386062	157.307	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	386885	152.078	ug/l	100
89) n-Butylbenzene	12.311	91	664071	159.098	ug/l	99
90) Hexachloroethane	12.518	117	145813	154.159	ug/l	94
91) 1,2-Dichlorobenzene	12.317	146	359278	154.946	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	50367	185.536	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	247472	180.791	ug/l	100
94) Hexachlorobutadiene	13.707	225	92458	175.138	ug/l	100
95) Naphthalene	13.756	128	719433	199.386	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	233671	185.022	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048234.D
Acq On : 20 Oct 2025 12:43
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 13:01:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 12:35:14 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

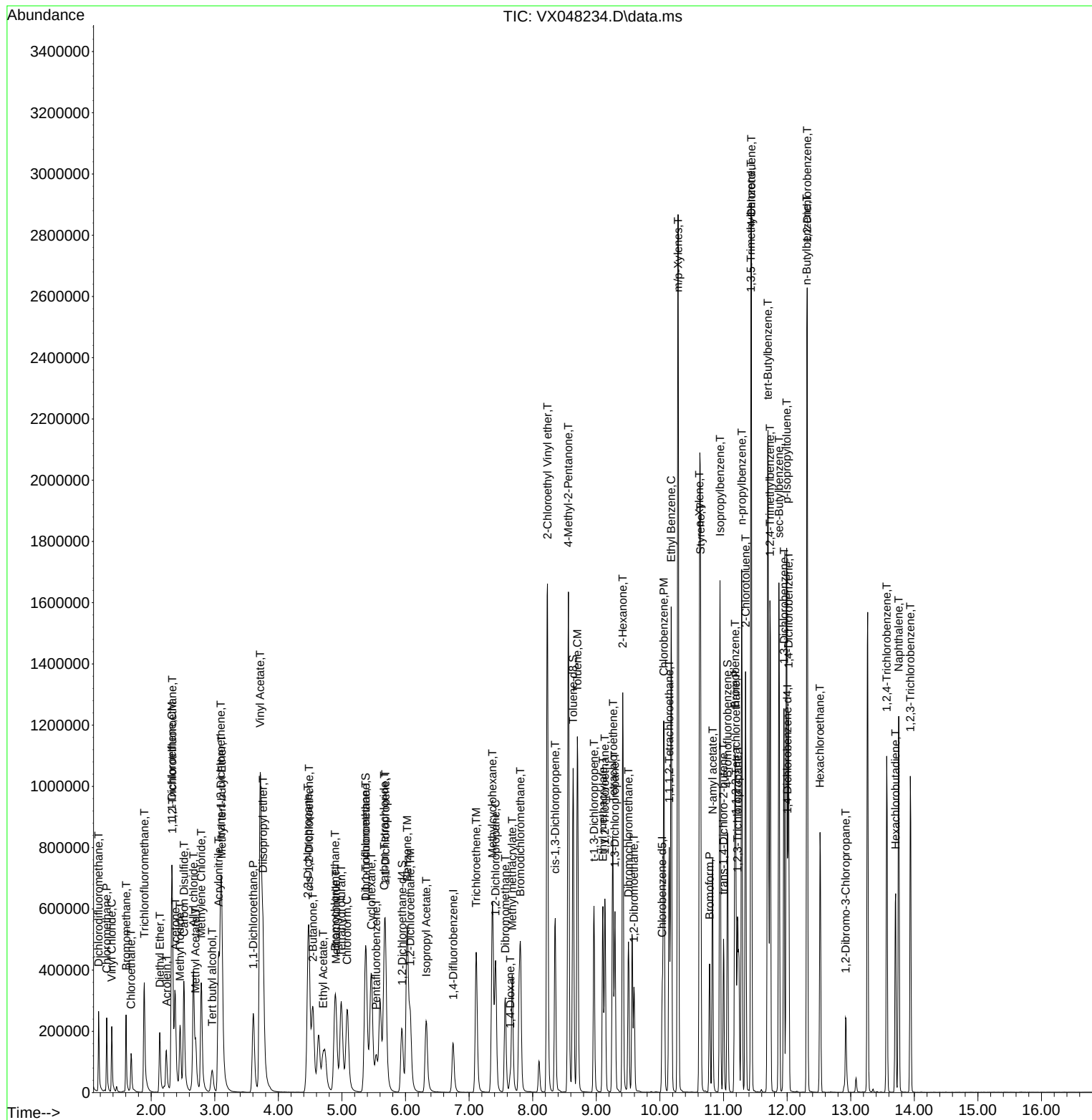
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
 Data File : VX048234.D
 Acq On : 20 Oct 2025 12:43
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations APPROVED

Reviewed By :John Carlone 10/21/2025
 Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 13:01:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 12:35:14 2025
 Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
 Data File : VX048236.D
 Acq On : 20 Oct 2025 13:49
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/21/2025
 Supervised By : Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 14:07:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 13:10:39 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	138374	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	228619	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	208481	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	105998	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	10036	4.008	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	8.020%#		
35) Dibromofluoromethane	5.379	113	7733	3.839	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	7.680%#		
50) Toluene-d8	8.634	98	27914	3.999	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	8.000%#		
62) 4-Bromofluorobenzene	11.067	95	11429	4.042	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	8.080%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	7219	5.194	ug/l	93
3) Chloromethane	1.300	50	7032	5.531	ug/l	95
4) Vinyl Chloride	1.380	62	6338	5.341	ug/l	98
5) Bromomethane	1.611	94	4789	5.918	ug/l	99
6) Chloroethane	1.691	64	3610	5.085	ug/l	99
7) Trichlorofluoromethane	1.898	101	12170	5.319	ug/l	96
8) Diethyl Ether	2.136	74	3283	5.035	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.337	101	7656	5.264	ug/l	92
10) Methyl Iodide	2.453	142	7871	4.284	ug/l	98
11) Tert butyl alcohol	2.940	59	5994	33.503	ug/l #	80
12) 1,1-Dichloroethene	2.325	96	7107	4.991	ug/l	91
13) Acrolein	2.233	56	5456	27.637	ug/l	96
14) Allyl chloride	2.666	41	11531	4.839	ug/l	96
15) Acrylonitrile	3.062	53	16982	24.912	ug/l	97
16) Acetone	2.373	43	18141	27.636	ug/l	100
17) Carbon Disulfide	2.520	76	23369	5.270	ug/l	96
18) Methyl Acetate	2.703	43	6418	4.639	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	22931	4.663	ug/l	97
20) Methylene Chloride	2.788	84	8228	5.163	ug/l #	81
21) trans-1,2-Dichloroethene	3.093	96	8343	5.393	ug/l	94
22) Diisopropyl ether	3.757	45	23533	4.984	ug/l #	97
23) Vinyl Acetate	3.721	43	91771	24.336	ug/l #	90
24) 1,1-Dichloroethane	3.605	63	14582	5.126	ug/l #	97
25) 2-Butanone	4.550	43	21808	26.293	ug/l #	89
26) 2,2-Dichloropropane	4.471	77	13077	5.066	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	9312	5.084	ug/l	96
28) Bromochloromethane	4.885	49	6488	5.474	ug/l #	89
29) Tetrahydrofuran	4.995	42	12637	25.353	ug/l	98
30) Chloroform	5.086	83	15814	5.159	ug/l	96
31) Cyclohexane	5.458	56	11661	4.943	ug/l	98
32) 1,1,1-Trichloroethane	5.367	97	14399	5.115	ug/l	98
36) 1,1-Dichloropropene	5.684	75	10855	5.001	ug/l	99
37) Ethyl Acetate	4.702	43	9058m	4.970	ug/l	
38) Carbon Tetrachloride	5.672	117	14225	5.323	ug/l #	81
39) Methylcyclohexane	7.366	83	13491	5.318	ug/l	97
40) Benzene	6.031	78	32115	5.103	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
 Data File : VX048236.D
 Acq On : 20 Oct 2025 13:49
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/21/2025
 Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 14:07:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 13:10:39 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	4538m	4.817	ug/l	
42) 1,2-Dichloroethane	6.074	62	11412	4.870	ug/l	100
43) Isopropyl Acetate	6.330	43	13996	4.656	ug/l #	93
44) Trichloroethene	7.110	130	8373	5.009	ug/l	93
45) 1,2-Dichloropropane	7.415	63	7709	5.129	ug/l	99
46) Dibromomethane	7.568	93	6041	5.181	ug/l	91
47) Bromodichloromethane	7.811	83	12974	5.126	ug/l	97
48) Methyl methacrylate	7.683	41	6863	4.542	ug/l	94
49) 1,4-Dioxane	7.659	88	2020	103.402	ug/l	97
51) 4-Methyl-2-Pentanone	8.555	43	42725	24.936	ug/l	97
52) Toluene	8.708	92	21137	5.296	ug/l	97
53) t-1,3-Dichloropropene	8.964	75	12015	4.914	ug/l	98
54) cis-1,3-Dichloropropene	8.354	75	12702	4.820	ug/l	90
55) 1,1,2-Trichloroethane	9.140	97	8113	5.453	ug/l	91
56) Ethyl methacrylate	9.104	69	10320	4.713	ug/l	94
57) 1,3-Dichloropropane	9.293	76	13087	5.112	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.232	63	20764	19.525	ug/l	98
59) 2-Hexanone	9.415	43	30949	25.896	ug/l	96
60) Dibromochloromethane	9.506	129	10082	5.028	ug/l	99
61) 1,2-Dibromoethane	9.592	107	8079	5.075	ug/l	100
64) Tetrachloroethene	9.256	164	8020	5.341	ug/l	92
65) Chlorobenzene	10.061	112	23873	5.236	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.146	131	8450	5.012	ug/l	98
67) Ethyl Benzene	10.177	91	39121	5.044	ug/l	96
68) m/p-Xylenes	10.287	106	30310	10.586	ug/l	97
69) o-Xylene	10.628	106	14262	5.128	ug/l	98
70) Styrene	10.640	104	24289	5.138	ug/l	98
71) Bromoform	10.780	173	6766	5.031	ug/l #	96
73) Isopropylbenzene	10.945	105	37935	5.082	ug/l	99
74) N-amyl acetate	10.829	43	12188	4.544	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.195	83	10324	4.992	ug/l	98
76) 1,2,3-Trichloropropane	11.225	75	8134m	4.889	ug/l	
77) Bromobenzene	11.183	156	9508	5.027	ug/l	94
78) n-propylbenzene	11.286	91	44189	5.097	ug/l	99
79) 2-Chlorotoluene	11.347	91	26627	5.032	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	30618	4.910	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	3038	4.387	ug/l	96
82) 4-Chlorotoluene	11.439	91	31357	5.017	ug/l	97
83) tert-Butylbenzene	11.695	119	32297	5.086	ug/l	96
84) 1,2,4-Trimethylbenzene	11.731	105	31709	5.129	ug/l	100
85) sec-Butylbenzene	11.872	105	39113	5.118	ug/l	99
86) p-Isopropyltoluene	11.994	119	34155	5.185	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	18546	5.256	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	18787	5.081	ug/l	91
89) n-Butylbenzene	12.317	91	30409	5.069	ug/l	99
90) Hexachloroethane	12.518	117	6863	5.210	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	16849	5.076	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.926	75	1984	4.680	ug/l	98
93) 1,2,4-Trichlorobenzene	13.573	180	10538	4.693	ug/l	98
94) Hexachlorobutadiene	13.707	225	5113	4.948	ug/l	96
95) Naphthalene	13.756	128	26218	4.374	ug/l	98
96) 1,2,3-Trichlorobenzene	13.944	180	10040	4.906	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048236.D
Acq On : 20 Oct 2025 13:49
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 14:07:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 13:10:39 2025
Response via : Initial Calibration

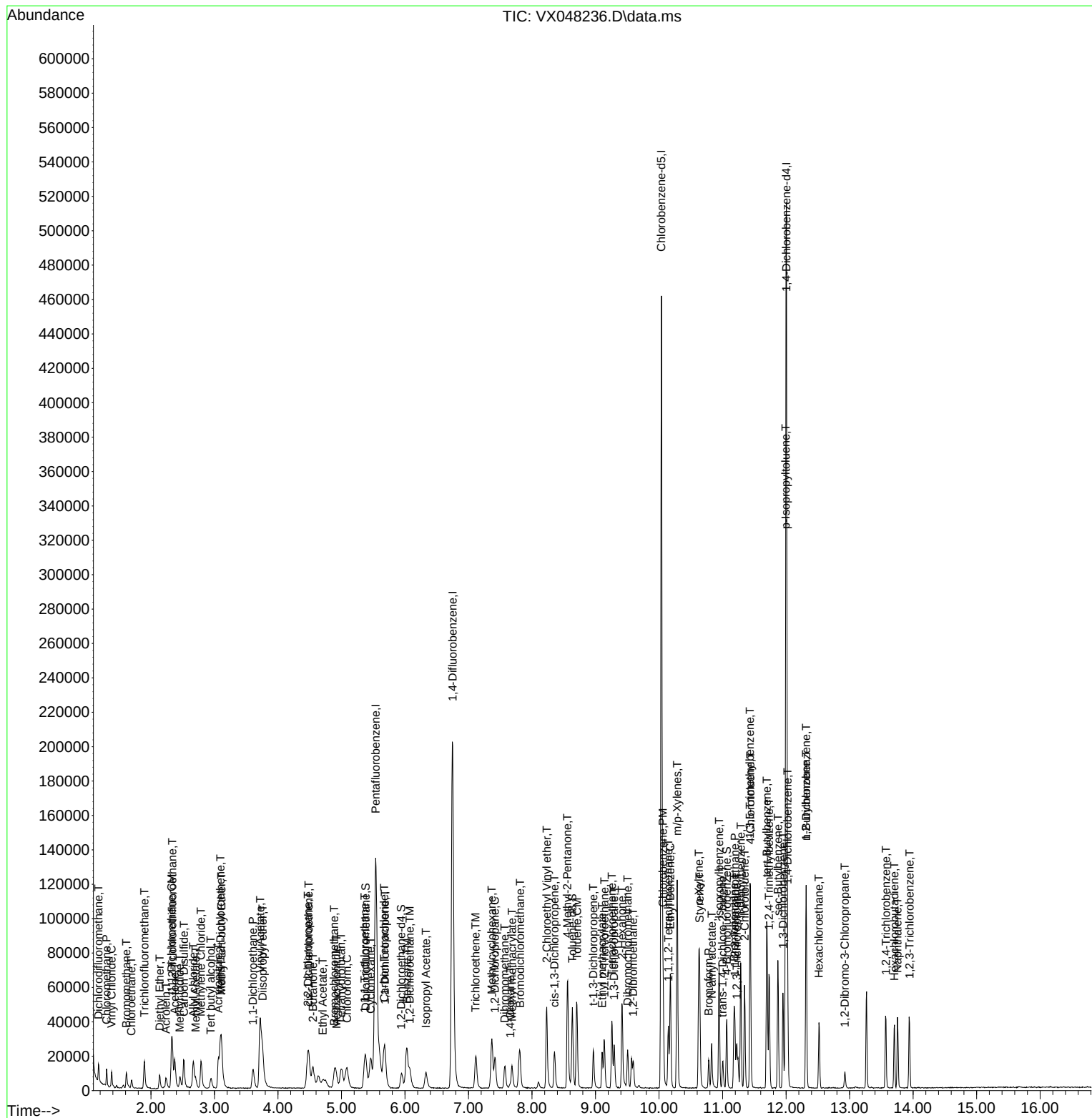
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
 Data File : VX048237.D
 Acq On : 20 Oct 2025 14:28
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX102025

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/21/2025
 Supervised By : Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 16:37:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	144715	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	229650	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	201397	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	99108	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	92700	45.687	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.380%		
35) Dibromofluoromethane	5.367	113	76746	48.951	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.900%		
50) Toluene-d8	8.628	98	265898	48.386	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.780%		
62) 4-Bromofluorobenzene	11.061	95	97828	46.795	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.580%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	76365	51.331	ug/l	99
3) Chloromethane	1.301	50	74279	53.491	ug/l	99
4) Vinyl Chloride	1.380	62	71290	55.441	ug/l	99
5) Bromomethane	1.611	94	47863	54.847	ug/l	96
6) Chloroethane	1.691	64	42556	56.320	ug/l	95
7) Trichlorofluoromethane	1.892	101	128754	52.209	ug/l	97
8) Diethyl Ether	2.136	74	37292	53.742	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.331	101	83688	53.589	ug/l	96
10) Methyl Iodide	2.453	142	94222	47.994	ug/l	99
11) Tert butyl alcohol	2.934	59	45064	223.693	ug/l	98
12) 1,1-Dichloroethene	2.319	96	79070	52.043	ug/l	92
13) Acrolein	2.233	56	51257	249.473	ug/l	98
14) Allyl chloride	2.660	41	128896	51.099	ug/l	97
15) Acrylonitrile	3.050	53	182260	250.900	ug/l	100
16) Acetone	2.373	43	152988	219.789	ug/l	96
17) Carbon Disulfide	2.514	76	233630	48.792	ug/l	99
18) Methyl Acetate	2.697	43	71506	49.190	ug/l	94
19) Methyl tert-butyl Ether	3.105	73	254812	49.162	ug/l	98
20) Methylene Chloride	2.782	84	86610	51.066	ug/l	92
21) trans-1,2-Dichloroethene	3.087	96	85000	50.932	ug/l	96
22) Diisopropyl ether	3.745	45	259934	51.665	ug/l	99
23) Vinyl Acetate	3.709	43	1045584	260.168	ug/l	97
24) 1,1-Dichloroethane	3.599	63	150557	49.490	ug/l	99
25) 2-Butanone	4.532	43	209999	238.354	ug/l	97
26) 2,2-Dichloropropane	4.458	77	132433	48.230	ug/l	100
27) cis-1,2-Dichloroethene	4.471	96	98066	50.350	ug/l	96
28) Bromochloromethane	4.879	49	58764	46.587	ug/l	87
29) Tetrahydrofuran	4.977	42	127995	242.572	ug/l	95
30) Chloroform	5.074	83	157397	48.427	ug/l	99
31) Cyclohexane	5.458	56	132594	52.646	ug/l	92
32) 1,1,1-Trichloroethane	5.361	97	144706	48.309	ug/l	98
36) 1,1-Dichloropropene	5.672	75	109957	49.344	ug/l	100
37) Ethyl Acetate	4.690	43	88074	47.684	ug/l	98
38) Carbon Tetrachloride	5.659	117	132590	48.228	ug/l	99
39) Methylcyclohexane	7.360	83	138611	52.670	ug/l	94
40) Benzene	6.019	78	325041	50.241	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
 Data File : VX048237.D
 Acq On : 20 Oct 2025 14:28
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX102025

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/21/2025
 Supervised By : Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 16:37:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	48846	50.358	ug/l	95
42) 1,2-Dichloroethane	6.068	62	116893	48.963	ug/l	98
43) Isopropyl Acetate	6.318	43	151140	49.816	ug/l	95
44) Trichloroethene	7.104	130	86410	50.582	ug/l	96
45) 1,2-Dichloropropane	7.409	63	78439	50.994	ug/l	98
46) Dibromomethane	7.562	93	58616	48.913	ug/l	94
47) Bromodichloromethane	7.799	83	125388	48.459	ug/l	99
48) Methyl methacrylate	7.671	41	75812	49.519	ug/l	94
49) 1,4-Dioxane	7.635	88	20230	1000.197	ug/l	90
51) 4-Methyl-2-Pentanone	8.555	43	428393	244.897	ug/l	95
52) Toluene	8.702	92	205867	50.088	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	124683	50.004	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	134360	49.944	ug/l	93
55) 1,1,2-Trichloroethane	9.134	97	75808	49.597	ug/l	98
56) Ethyl methacrylate	9.098	69	111702	49.964	ug/l	94
57) 1,3-Dichloropropane	9.287	76	128519	49.226	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.220	63	290992	242.124	ug/l	96
59) 2-Hexanone	9.409	43	300183	246.102	ug/l	96
60) Dibromochloromethane	9.500	129	97643	47.530	ug/l	99
61) 1,2-Dibromoethane	9.592	107	80363	49.319	ug/l	97
64) Tetrachloroethene	9.256	164	73198	48.686	ug/l	95
65) Chlorobenzene	10.061	112	226953	50.095	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.140	131	81561	49.014	ug/l	99
67) Ethyl Benzene	10.177	91	391830	50.798	ug/l	99
68) m/p-Xylenes	10.281	106	293516	102.416	ug/l	99
69) o-Xylene	10.622	106	139515	50.424	ug/l	99
70) Styrene	10.634	104	243341	51.651	ug/l	100
71) Bromoform	10.781	173	64170	48.250	ug/l #	99
73) Isopropylbenzene	10.945	105	373948	51.658	ug/l	100
74) N-amyl acetate	10.823	43	131979	51.399	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.195	83	98715	49.936	ug/l	98
76) 1,2,3-Trichloropropane	11.219	75	81093m	50.456	ug/l	
77) Bromobenzene	11.177	156	91000	50.135	ug/l	94
78) n-propylbenzene	11.287	91	435662	51.980	ug/l	99
79) 2-Chlorotoluene	11.341	91	257936	50.760	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	305027	50.918	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	33027	49.995	ug/l	96
82) 4-Chlorotoluene	11.433	91	304670	50.507	ug/l	98
83) tert-Butylbenzene	11.695	119	309524	50.288	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	308529	51.607	ug/l	100
85) sec-Butylbenzene	11.872	105	379368	51.230	ug/l	100
86) p-Isopropyltoluene	11.988	119	324425	50.686	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	165027	48.229	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	168102	47.423	ug/l	99
89) n-Butylbenzene	12.311	91	289706	49.728	ug/l	99
90) Hexachloroethane	12.518	117	61223	48.437	ug/l	95
91) 1,2-Dichlorobenzene	12.317	146	157812	49.123	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	19691	49.072	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	101983	46.941	ug/l	99
94) Hexachlorobutadiene	13.707	225	39299	48.274	ug/l	99
95) Naphthalene	13.756	128	289882	50.362	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	96139	48.223	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048237.D
Acq On : 20 Oct 2025 14:28
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 16:37:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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\VX102025\
 Data File : VX048237.D
 Acq On : 20 Oct 2025 14:28
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :

MSVOA_X

Client SampleId :

ICVVX102025

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/21/2025

Supervised By :Semsettin Yesilyurt 10/21/2025

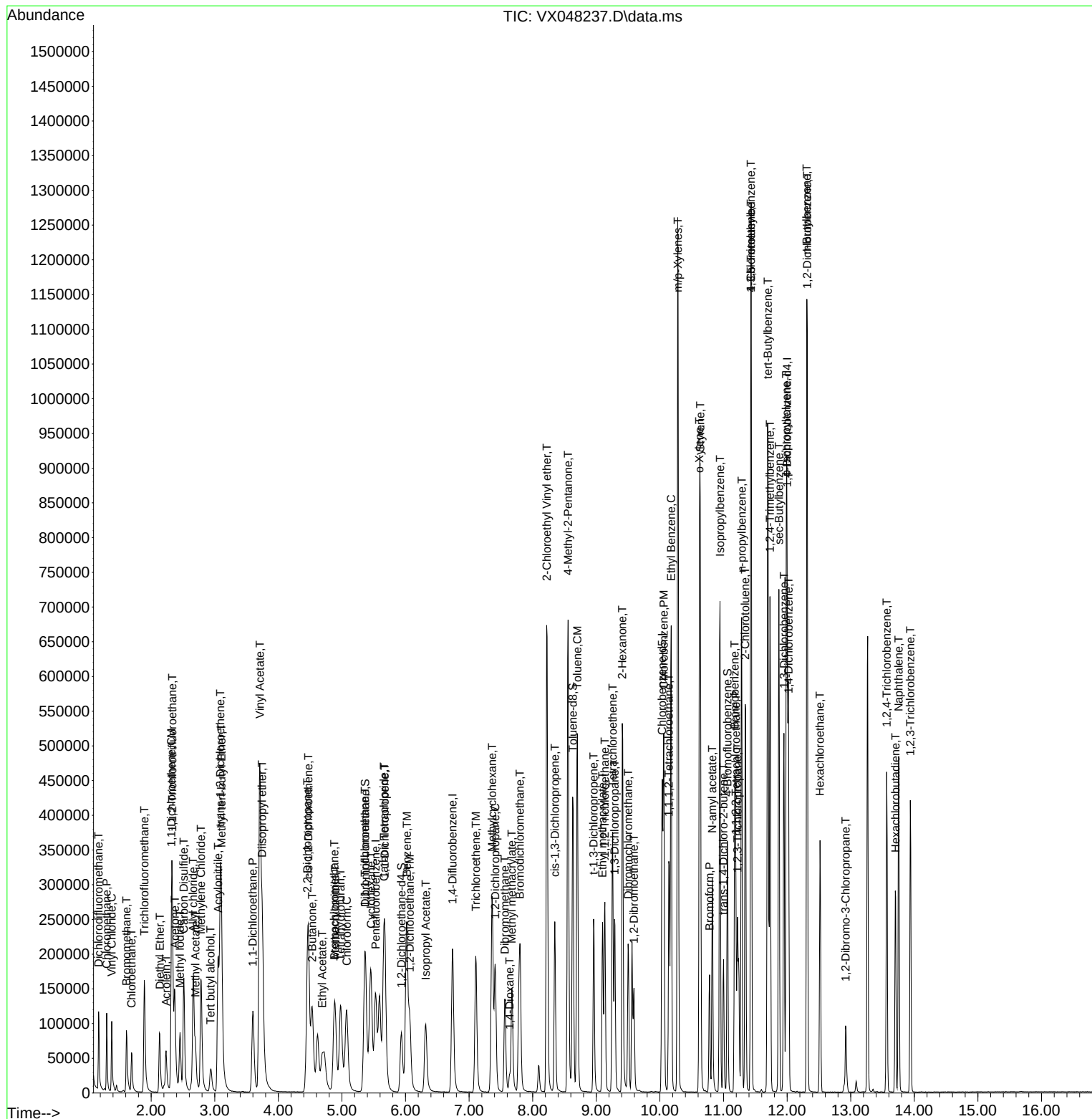
Quant Time: Oct 20 16:37:21 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M

Quant Title : SW846 8260

QLast Update : Mon Oct 20 14:13:59 2025

Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
 Data File : VX048237.D
 Acq On : 20 Oct 2025 14:28
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX102025

Quant Time: Oct 20 16:37:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 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	116	-0.01
2 T	Dichlorodifluoromethane	0.514	0.528	-2.7	127	0.00
3 P	Chloromethane	0.480	0.513	-6.9	133	0.00
4 C	Vinyl Chloride	0.444	0.493	-11.0#	138	0.00
5 T	Bromomethane	0.302	0.331	-9.6	136	0.00
6 T	Chloroethane	0.261	0.294	-12.6	139	0.00
7 T	Trichlorofluoromethane	0.852	0.890	-4.5	128	0.00
8 T	Diethyl Ether	0.240	0.258	-7.5	135	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.540	0.578	-7.0	134	0.00
10 T	Methyl Iodide	0.678	0.651	4.0	114	0.00
11 T	Tert butyl alcohol	0.070	0.062	11.4	117	0.00
12 CM	1,1-Dichloroethene	0.525	0.546	-4.0#	131	0.00
13 T	Acrolein	0.071	0.071	0.0	126	0.00
14 T	Allyl chloride	0.872	0.891	-2.2	129	0.00
15 T	Acrylonitrile	0.251	0.252	-0.4	122	0.00
16 T	Acetone	0.240	0.211	12.1	121	0.00
17 T	Carbon Disulfide	1.654	1.614	2.4	130	0.00
18 T	Methyl Acetate	0.502	0.494	1.6	123	0.00
19 T	Methyl tert-butyl Ether	1.791	1.761	1.7	120	0.00
20 T	Methylene Chloride	0.586	0.598	-2.0	126	0.00
21 T	trans-1,2-Dichloroethene	0.577	0.587	-1.7	128	0.00
22 T	Diisopropyl ether	1.738	1.796	-3.3	126	0.00
23 T	Vinyl Acetate	1.389	1.445	-4.0	125	0.00
24 P	1,1-Dichloroethane	1.051	1.040	1.0	124	0.00
25 T	2-Butanone	0.304	0.290	4.6	120	0.00
26 T	2,2-Dichloropropane	0.949	0.915	3.6	121	0.00
27 T	cis-1,2-Dichloroethene	0.673	0.678	-0.7	126	-0.01
28 T	Bromochloromethane	0.436	0.406	6.9	107	0.00
29 T	Tetrahydrofuran	0.182	0.177	2.7	120	-0.01
30 C	Chloroform	1.123	1.088	3.1#	121	0.00
31 T	Cyclohexane	0.870	0.916	-5.3	130	0.00
32 T	1,1,1-Trichloroethane	1.035	1.000	3.4	120	-0.01
33 S	1,2-Dichloroethane-d4	0.701	0.641	8.6	109	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	114	0.00
35 S	Dibromofluoromethane	0.341	0.334	2.1	115	0.00
36 T	1,1-Dichloropropene	0.485	0.479	1.2	126	-0.01
37 T	Ethyl Acetate	0.402	0.384	4.5	119	0.00
38 T	Carbon Tetrachloride	0.599	0.577	3.7	119	0.00
39 T	Methylcyclohexane	0.573	0.604	-5.4	127	0.00
40 TM	Benzene	1.409	1.415	-0.4	124	0.00
41 T	Methacrylonitrile	0.211	0.213	-0.9	118	-0.01
42 TM	1,2-Dichloroethane	0.520	0.509	2.1	116	0.00
43 T	Isopropyl Acetate	0.661	0.658	0.5	118	0.00
44 TM	Trichloroethene	0.372	0.376	-1.1	123	0.00
45 C	1,2-Dichloropropane	0.335	0.342	-2.1#	121	0.00
46 T	Dibromomethane	0.261	0.255	2.3	118	0.00
47 T	Bromodichloromethane	0.563	0.546	3.0	115	0.00
48 T	Methyl methacrylate	0.333	0.330	0.9	117	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
 Data File : VX048237.D
 Acq On : 20 Oct 2025 14:28
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVVX102025

Quant Time: Oct 20 16:37:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.004	0.004	0.0	113	0.00
50 S	Toluene-d8	1.196	1.158	3.2	111	0.00
51 T	4-Methyl-2-Pentanone	0.381	0.373	2.1	113	0.00
52 CM	Toluene	0.895	0.896	-0.1#	118	0.00
53 T	t-1,3-Dichloropropene	0.543	0.543	0.0	113	0.00
54 T	cis-1,3-Dichloropropene	0.586	0.585	0.2	116	0.00
55 T	1,1,2-Trichloroethane	0.333	0.330	0.9	117	0.00
56 T	Ethyl methacrylate	0.487	0.486	0.2	113	0.00
57 T	1,3-Dichloropropane	0.568	0.560	1.4	116	0.00
58 T	2-Chloroethyl Vinyl ether	0.232	0.253	-9.1	111	0.00
59 T	2-Hexanone	0.266	0.261	1.9	112	0.00
60 T	Dibromochloromethane	0.447	0.425	4.9	114	0.00
61 T	1,2-Dibromoethane	0.355	0.350	1.4	116	0.00
62 S	4-Bromofluorobenzene	0.455	0.426	6.4	109	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	109	0.00
64 T	Tetrachloroethene	0.373	0.363	2.7	121	0.00
65 PM	Chlorobenzene	1.125	1.127	-0.2	118	0.00
66 T	1,1,1,2-Tetrachloroethane	0.413	0.405	1.9	113	0.00
67 C	Ethyl Benzene	1.915	1.946	-1.6#	116	0.00
68 T	m/p-Xylenes	0.712	0.729	-2.4	116	0.00
69 T	o-Xylene	0.687	0.693	-0.9	114	0.00
70 T	Styrene	1.170	1.208	-3.2	115	0.00
71 P	Bromoform	0.330	0.319	3.3	113	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
73 T	Isopropylbenzene	3.652	3.773	-3.3	118	0.00
74 T	N-amyl acetate	1.295	1.332	-2.9	114	0.00
75 P	1,1,2,2-Tetrachloroethane	0.997	0.996	0.1	113	0.00
76 T	1,2,3-Trichloropropane	0.811	0.818	-0.9	119	0.00
77 T	Bromobenzene	0.916	0.918	-0.2	114	0.00
78 T	n-propylbenzene	4.228	4.396	-4.0	117	0.00
79 T	2-Chlorotoluene	2.564	2.603	-1.5	116	0.00
80 T	1,3,5-Trimethylbenzene	3.022	3.078	-1.9	115	0.00
81 T	trans-1,4-Dichloro-2-butene	0.333	0.333	0.0	113	0.00
82 T	4-Chlorotoluene	3.043	3.074	-1.0	114	0.00
83 T	tert-Butylbenzene	3.105	3.123	-0.6	115	0.00
84 T	1,2,4-Trimethylbenzene	3.016	3.113	-3.2	116	0.00
85 T	sec-Butylbenzene	3.736	3.828	-2.5	118	0.00
86 T	p-Isopropyltoluene	3.229	3.273	-1.4	117	0.00
87 T	1,3-Dichlorobenzene	1.726	1.665	3.5	115	0.00
88 T	1,4-Dichlorobenzene	1.788	1.696	5.1	115	0.00
89 T	n-Butylbenzene	2.939	2.923	0.5	119	0.00
90 T	Hexachloroethane	0.638	0.618	3.1	116	0.00
91 T	1,2-Dichlorobenzene	1.621	1.592	1.8	114	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.202	0.199	1.5	109	0.00
93 T	1,2,4-Trichlorobenzene	1.096	1.029	6.1	115	0.00
94 T	Hexachlorobutadiene	0.507	0.397	21.7	114	0.00
95 T	Naphthalene	2.904	2.925	-0.7	113	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048237.D
Acq On : 20 Oct 2025 14:28
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Quant Time: Oct 20 16:37:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.006	0.970	3.6	114	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX102025\
 Data File : WX048237.D
 Acq On : 20 Oct 2025 14:28
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX102025

Quant Time: Oct 20 16:37:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 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	116	-0.01
2 T	Dichlorodifluoromethane	50.000	51.331	-2.7	127	0.00
3 P	Chloromethane	50.000	53.491	-7.0	133	0.00
4 C	Vinyl Chloride	50.000	55.441	-10.9#	138	0.00
5 T	Bromomethane	50.000	54.847	-9.7	136	0.00
6 T	Chloroethane	50.000	56.320	-12.6	139	0.00
7 T	Trichlorofluoromethane	50.000	52.209	-4.4	128	0.00
8 T	Diethyl Ether	50.000	53.742	-7.5	135	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	53.589	-7.2	134	0.00
10 T	Methyl Iodide	50.000	47.994	4.0	114	0.00
11 T	Tert butyl alcohol	250.000	223.693	10.5	117	0.00
12 CM	1,1-Dichloroethene	50.000	52.043	-4.1#	131	0.00
13 T	Acrolein	250.000	249.473	0.2	126	0.00
14 T	Allyl chloride	50.000	51.099	-2.2	129	0.00
15 T	Acrylonitrile	250.000	250.900	-0.4	122	0.00
16 T	Acetone	250.000	219.789	12.1	121	0.00
17 T	Carbon Disulfide	50.000	48.792	2.4	130	0.00
18 T	Methyl Acetate	50.000	49.190	1.6	123	0.00
19 T	Methyl tert-butyl Ether	50.000	49.162	1.7	120	0.00
20 T	Methylene Chloride	50.000	51.066	-2.1	126	0.00
21 T	trans-1,2-Dichloroethene	50.000	50.932	-1.9	128	0.00
22 T	Diisopropyl ether	50.000	51.665	-3.3	126	0.00
23 T	Vinyl Acetate	250.000	260.168	-4.1	125	0.00
24 P	1,1-Dichloroethane	50.000	49.490	1.0	124	0.00
25 T	2-Butanone	250.000	238.354	4.7	120	0.00
26 T	2,2-Dichloropropane	50.000	48.230	3.5	121	0.00
27 T	cis-1,2-Dichloroethene	50.000	50.350	-0.7	126	-0.01
28 T	Bromochloromethane	50.000	46.587	6.8	107	0.00
29 T	Tetrahydrofuran	250.000	242.572	3.0	120	-0.01
30 C	Chloroform	50.000	48.427	3.1#	121	0.00
31 T	Cyclohexane	50.000	52.646	-5.3	130	0.00
32 T	1,1,1-Trichloroethane	50.000	48.309	3.4	120	-0.01
33 S	1,2-Dichloroethane-d4	50.000	45.687	8.6	109	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	114	0.00
35 S	Dibromofluoromethane	50.000	48.951	2.1	115	0.00
36 T	1,1-Dichloropropene	50.000	49.344	1.3	126	-0.01
37 T	Ethyl Acetate	50.000	47.684	4.6	119	0.00
38 T	Carbon Tetrachloride	50.000	48.228	3.5	119	0.00
39 T	Methylcyclohexane	50.000	52.670	-5.3	127	0.00
40 TM	Benzene	50.000	50.241	-0.5	124	0.00
41 T	Methacrylonitrile	50.000	50.358	-0.7	118	-0.01
42 TM	1,2-Dichloroethane	50.000	48.963	2.1	116	0.00
43 T	Isopropyl Acetate	50.000	49.816	0.4	118	0.00
44 TM	Trichloroethene	50.000	50.582	-1.2	123	0.00
45 C	1,2-Dichloropropane	50.000	50.994	-2.0#	121	0.00
46 T	Dibromomethane	50.000	48.913	2.2	118	0.00
47 T	Bromodichloromethane	50.000	48.459	3.1	115	0.00
48 T	Methyl methacrylate	50.000	49.519	1.0	117	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX102025\
 Data File : WX048237.D
 Acq On : 20 Oct 2025 14:28
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX102025

Quant Time: Oct 20 16:37:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 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	1000.197	-0.0	113	0.00
50 S	Toluene-d8	50.000	48.386	3.2	111	0.00
51 T	4-Methyl-2-Pentanone	250.000	244.897	2.0	113	0.00
52 CM	Toluene	50.000	50.088	-0.2#	118	0.00
53 T	t-1,3-Dichloropropene	50.000	50.004	-0.0	113	0.00
54 T	cis-1,3-Dichloropropene	50.000	49.944	0.1	116	0.00
55 T	1,1,2-Trichloroethane	50.000	49.597	0.8	117	0.00
56 T	Ethyl methacrylate	50.000	49.964	0.1	113	0.00
57 T	1,3-Dichloropropane	50.000	49.226	1.5	116	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	242.124	3.2	111	0.00
59 T	2-Hexanone	250.000	246.102	1.6	112	0.00
60 T	Dibromochloromethane	50.000	47.530	4.9	114	0.00
61 T	1,2-Dibromoethane	50.000	49.319	1.4	116	0.00
62 S	4-Bromofluorobenzene	50.000	46.795	6.4	109	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	109	0.00
64 T	Tetrachloroethene	50.000	48.686	2.6	121	0.00
65 PM	Chlorobenzene	50.000	50.095	-0.2	118	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	49.014	2.0	113	0.00
67 C	Ethyl Benzene	50.000	50.798	-1.6#	116	0.00
68 T	m/p-Xylenes	100.000	102.416	-2.4	116	0.00
69 T	o-Xylene	50.000	50.424	-0.8	114	0.00
70 T	Styrene	50.000	51.651	-3.3	115	0.00
71 P	Bromoform	50.000	48.250	3.5	113	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	107	0.00
73 T	Isopropylbenzene	50.000	51.658	-3.3	118	0.00
74 T	N-amyl acetate	50.000	51.399	-2.8	114	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.936	0.1	113	0.00
76 T	1,2,3-Trichloropropane	50.000	50.456	-0.9	119	0.00
77 T	Bromobenzene	50.000	50.135	-0.3	114	0.00
78 T	n-propylbenzene	50.000	51.980	-4.0	117	0.00
79 T	2-Chlorotoluene	50.000	50.760	-1.5	116	0.00
80 T	1,3,5-Trimethylbenzene	50.000	50.918	-1.8	115	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.995	0.0	113	0.00
82 T	4-Chlorotoluene	50.000	50.507	-1.0	114	0.00
83 T	tert-Butylbenzene	50.000	50.288	-0.6	115	0.00
84 T	1,2,4-Trimethylbenzene	50.000	51.607	-3.2	116	0.00
85 T	sec-Butylbenzene	50.000	51.230	-2.5	118	0.00
86 T	p-Isopropyltoluene	50.000	50.686	-1.4	117	0.00
87 T	1,3-Dichlorobenzene	50.000	48.229	3.5	115	0.00
88 T	1,4-Dichlorobenzene	50.000	47.423	5.2	115	0.00
89 T	n-Butylbenzene	50.000	49.728	0.5	119	0.00
90 T	Hexachloroethane	50.000	48.437	3.1	116	0.00
91 T	1,2-Dichlorobenzene	50.000	49.123	1.8	114	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	49.072	1.9	109	0.00
93 T	1,2,4-Trichlorobenzene	50.000	46.941	6.1	115	0.00
94 T	Hexachlorobutadiene	50.000	48.274	3.5	114	0.00
95 T	Naphthalene	50.000	50.362	-0.7	113	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048237.D
Acq On : 20 Oct 2025 14:28
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102025

Quant Time: Oct 20 16:37:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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	48.223	3.6	114	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>Q3373</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date/Time:	<u>10/24/2025 12:28</u>
Lab File ID:	<u>VN088087.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	0.591		4.79	20
Chloromethane	0.664	0.668	0.1	0.6	20
Vinyl Chloride	0.723	0.726		0.41	20
Ethyl Acetate	0.633	0.675		6.64	20
Bromomethane	0.432	0.392		-9.26	20
Chloroethane	0.521	0.467		-10.36	20
Trichlorofluoromethane	1.153	1.077		-6.59	20
1,1,2-Trichlorotrifluoroethane	0.595	0.591		-0.67	20
Tert butyl alcohol	0.149	0.159		6.71	20
1,1-Dichloroethene	0.628	0.585		-6.85	20
Acrolein	0.168	0.163		-2.98	20
Acrylonitrile	0.406	0.430		5.91	20
Acetone	0.434	0.382		-11.98	20
Carbon Disulfide	1.910	1.946		1.88	20
Methyl tert-butyl Ether	2.308	2.372		2.77	20
Methyl Acetate	0.889	0.969		9	20
Methylene Chloride	0.729	0.720		-1.24	20
trans-1,2-Dichloroethene	0.690	0.671		-2.75	20
Vinyl Acetate	2.087	2.259		8.24	20
1,1-Dichloroethane	1.283	1.342	0.1	4.6	20
Cyclohexane	1.210	1.192		-1.49	20
2-Butanone	0.572	0.593		3.67	20
Carbon Tetrachloride	0.507	0.549		8.28	20
2,2-Dichloropropane	1.166	1.102		-5.57	20
cis-1,2-Dichloroethene	0.794	0.797		0.38	20
Bromochloromethane	0.606	0.625		3.13	20
Chloroform	1.282	1.336		4.21	20
1,1,1-Trichloroethane	1.142	1.159		1.49	20
Methylcyclohexane	0.630	0.647		2.7	20
1,1-Dichloropropene	0.490	0.526		7.35	20
Benzene	1.494	1.578		5.62	20
1,2-Dichloroethane	0.531	0.608		14.5	20
Trichloroethene	0.349	0.364		4.3	20
1,2-Dichloropropane	0.377	0.399		5.84	20
Dibromomethane	0.269	0.291		8.18	20
Bromodichloromethane	0.538	0.591		9.85	20
4-Methyl-2-Pentanone	0.575	0.647		12.52	20
Toluene	0.921	0.948		2.93	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>Q3373</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date/Time:	<u>10/24/2025 12:28</u>
Lab File ID:	<u>VN088087.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	0.614		7.16	20
cis-1,3-Dichloropropene	0.608	0.649		6.74	20
1,1,2-Trichloroethane	0.349	0.358		2.58	20
1,3-Dichloropropane	0.614	0.659		7.33	20
2-Chloroethyl Vinyl ether	0.288	0.330		14.58	20
2-Hexanone	0.382	0.444		16.23	20
Dibromochloromethane	0.397	0.420		5.79	20
1,2-Dibromoethane	0.360	0.374		3.89	20
Tetrachloroethene	0.330	0.343		3.94	20
Chlorobenzene	1.135	1.183	0.3	4.23	20
1,1,1,2-Tetrachloroethane	0.372	0.402		8.06	20
Hexachloroethane	0.653	0.664		1.68	20
Ethyl Benzene	1.993	2.130		6.87	20
m/p-Xylenes	0.747	0.797		6.69	20
o-Xylene	0.708	0.764		7.91	20
Styrene	1.154	1.312		13.69	20
Bromoform	0.278	0.309	0.1	11.15	20
Isopropylbenzene	3.856	4.012		4.05	20
1,1,2,2-Tetrachloroethane	1.201	1.237	0.3	3	20
1,2,3-Trichloropropane	1.143	1.205		5.42	20
Bromobenzene	0.832	0.874		5.05	20
n-propylbenzene	4.706	4.969		5.59	20
2-Chlorotoluene	2.684	2.927		9.05	20
1,3,5-Trimethylbenzene	3.203	3.418		6.71	20
4-Chlorotoluene	2.904	3.014		3.79	20
tert-Butylbenzene	2.861	2.948		3.04	20
1,2,4-Trimethylbenzene	3.204	3.455		7.83	20
sec-Butylbenzene	4.203	4.306		2.45	20
p-Isopropyltoluene	3.372	3.609		7.03	20
1,3-Dichlorobenzene	1.660	1.743		5	20
1,4-Dichlorobenzene	1.783	1.755		-1.57	20
n-Butylbenzene	3.340	3.495		4.64	20
1,2-Dichlorobenzene	1.600	1.633		2.06	20
1,2-Dibromo-3-Chloropropane	0.279	0.295		5.74	20
1,2,4-Trichlorobenzene	0.969	1.009		4.13	20
Hexachlorobutadiene	0.361	0.378		4.71	20
Naphthalene	3.320	3.458		4.16	20
1,2,3-Trichlorobenzene	0.929	0.951		2.37	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>Q3373</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date/Time:	<u>10/24/2025 12:28</u>
Lab File ID:	<u>VN088087.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
1,2-Dichloroethane-d4	0.865	0.922		6.59	20
Dibromofluoromethane	0.336	0.345		2.68	20
Toluene-d8	1.294	1.331		2.86	20
4-Bromofluorobenzene	0.457	0.491		7.44	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\VN102425\
 Data File : VN088087.D
 Acq On : 24 Oct 2025 12:28
 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 :John
 Carlone

10/27/2025
 Supervised By :Semsettin
 Yesilyurt

Quant Time: Oct 25 01:00:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	337154	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	612856	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	535872	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	271470	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	310900	53.327	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.660%	
35) Dibromofluoromethane	8.147	113	211540	51.380	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.760%	
50) Toluene-d8	10.547	98	815442	51.401	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.800%	
62) 4-Bromofluorobenzene	12.829	95	300739	53.678	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 107.360%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	199100	52.352	ug/l	97
3) Chloromethane	2.383	50	225215	50.337	ug/l	96
4) Vinyl Chloride	2.536	62	244689	50.193	ug/l	97
5) Bromomethane	2.977	94	132237	45.351	ug/l	96
6) Chloroethane	3.142	64	157315	44.789	ug/l	100
7) Trichlorofluoromethane	3.512	101	363230	46.716	ug/l	98
8) Diethyl Ether	3.959	74	137964	47.742	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	199267	49.665	ug/l	98
10) Methyl Iodide	4.583	142	199689	50.429	ug/l	99
11) Tert butyl alcohol	5.518	59	268117	266.943	ug/l	98
12) 1,1-Dichloroethene	4.336	96	197071	46.505	ug/l	98
13) Acrolein	4.177	56	275051	243.457	ug/l	98
14) Allyl chloride	5.018	41	377824	50.867	ug/l	97
15) Acrylonitrile	5.706	53	724750	264.900	ug/l	98
16) Acetone	4.424	43	644644	220.093	ug/l	100
17) Carbon Disulfide	4.706	76	656025	50.927	ug/l	99
18) Methyl Acetate	5.012	43	326795	54.499	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	799757	51.390	ug/l	99
20) Methylene Chloride	5.271	84	242631	53.173	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	226080	48.604	ug/l	99
22) Diisopropyl ether	6.659	45	819311	52.450	ug/l	99
23) Vinyl Acetate	6.588	43	3807636	270.604	ug/l	98
24) 1,1-Dichloroethane	6.553	63	452412	52.284	ug/l	98
25) 2-Butanone	7.465	43	999804	259.021	ug/l	99
26) 2,2-Dichloropropane	7.471	77	371374	47.229	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	268608	50.162	ug/l	96
28) Bromochloromethane	7.794	49	210598	51.510	ug/l	98
29) Tetrahydrofuran	7.824	42	649648	258.255	ug/l	100
30) Chloroform	7.953	83	450477	52.112	ug/l	98
31) Cyclohexane	8.241	56	401946	49.253	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	390640	50.738	ug/l	98
36) 1,1-Dichloropropene	8.353	75	322246	53.604	ug/l	100
37) Ethyl Acetate	7.547	43	413551	53.308	ug/l	98
38) Carbon Tetrachloride	8.347	117	336548	54.204	ug/l	98
39) Methylcyclohexane	9.582	83	396751	51.345	ug/l	97
40) Benzene	8.588	78	967079	52.823	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
 Data File : VN088087.D
 Acq On : 24 Oct 2025 12:28
 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 :John
 Carlone

10/27/2025

Supervised By :Semsettin
 Yesilyurt

Quant Time: Oct 25 01:00:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	211373	51.768	ug/l	99
42) 1,2-Dichloroethane	8.653	62	372469	57.258	ug/l	99
43) Isopropyl Acetate	8.671	43	651226	54.629	ug/l	98
44) Trichloroethene	9.329	130	223305	52.183	ug/l	100
45) 1,2-Dichloropropane	9.600	63	244503	52.900	ug/l	100
46) Dibromomethane	9.688	93	178291	54.086	ug/l	98
47) Bromodichloromethane	9.865	83	362409	54.911	ug/l	96
48) Methyl methacrylate	9.659	41	309271	56.194	ug/l	99
49) 1,4-Dioxane	9.676	88	80363	1174.026	ug/l #	96
51) 4-Methyl-2-Pentanone	10.423	43	1981478	280.973	ug/l	99
52) Toluene	10.606	92	581252	51.494	ug/l	99
53) t-1,3-Dichloropropene	10.818	75	376544	53.605	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	397855	53.376	ug/l	100
55) 1,1,2-Trichloroethane	10.994	97	219605	51.280	ug/l	96
56) Ethyl methacrylate	10.853	69	387450	57.172	ug/l	98
57) 1,3-Dichloropropane	11.141	76	403978	53.669	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	1010759	286.733	ug/l	99
59) 2-Hexanone	11.176	43	1361758	291.082	ug/l	99
60) Dibromochloromethane	11.341	129	257497	52.902	ug/l	99
61) 1,2-Dibromoethane	11.447	107	228938	51.945	ug/l	100
64) Tetrachloroethene	11.082	164	183631	51.951	ug/l	96
65) Chlorobenzene	11.870	112	633784	52.086	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.935	131	215385	54.029	ug/l	99
67) Ethyl Benzene	11.941	91	1141551	53.447	ug/l	100
68) m/p-Xylenes	12.047	106	853981	106.712	ug/l	100
69) o-Xylene	12.376	106	409468	53.975	ug/l	100
70) Styrene	12.388	104	703114	56.837	ug/l	98
71) Bromoform	12.559	173	165388	55.593	ug/l #	96
73) Isopropylbenzene	12.670	105	1089078	52.015	ug/l	100
74) N-amyl acetate	12.500	43	335593m	56.462	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	335898	51.529	ug/l	100
76) 1,2,3-Trichloropropane	12.970	75	327127m	52.706	ug/l	
77) Bromobenzene	12.959	156	237140	52.523	ug/l	96
78) n-propylbenzene	13.012	91	1348956	52.794	ug/l	100
79) 2-Chlorotoluene	13.100	91	794466	54.522	ug/l	97
80) 1,3,5-Trimethylbenzene	13.153	105	927822	53.357	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.717	75	110401	49.619	ug/l	89
82) 4-Chlorotoluene	13.200	91	818082	51.893	ug/l	99
83) tert-Butylbenzene	13.412	119	800354	51.524	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	938035	53.917	ug/l	99
85) sec-Butylbenzene	13.594	105	1168949	51.220	ug/l	100
86) p-Isopropyltoluene	13.706	119	979692	53.512	ug/l	99
87) 1,3-Dichlorobenzene	13.711	146	473261	52.507	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	476413	49.213	ug/l	98
89) n-Butylbenzene	14.029	91	948738	52.316	ug/l	99
90) Hexachloroethane	14.306	117	180337	50.866	ug/l	93
91) 1,2-Dichlorobenzene	14.082	146	443181	51.009	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	80098	52.792	ug/l	95
93) 1,2,4-Trichlorobenzene	15.364	180	273803	52.036	ug/l	99
94) Hexachlorobutadiene	15.476	225	102659	52.391	ug/l	98
95) Naphthalene	15.611	128	938860	52.085	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	258257	51.188	ug/l	98

10/27/2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
Data File : VN088087.D
Acq On : 24 Oct 2025 12:28
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 25 01:00:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John
Carlone

10/27/2025
Supervised By :Semsettin
Yesilyurt

10/27/2025

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

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

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\  
Data File : VN088087.D  
Acq On    : 24 Oct 2025 12:28  
Operator  : JC\MD  
Sample    : VSTDCCC050  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 3    Sample Multiplier: 1
```

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

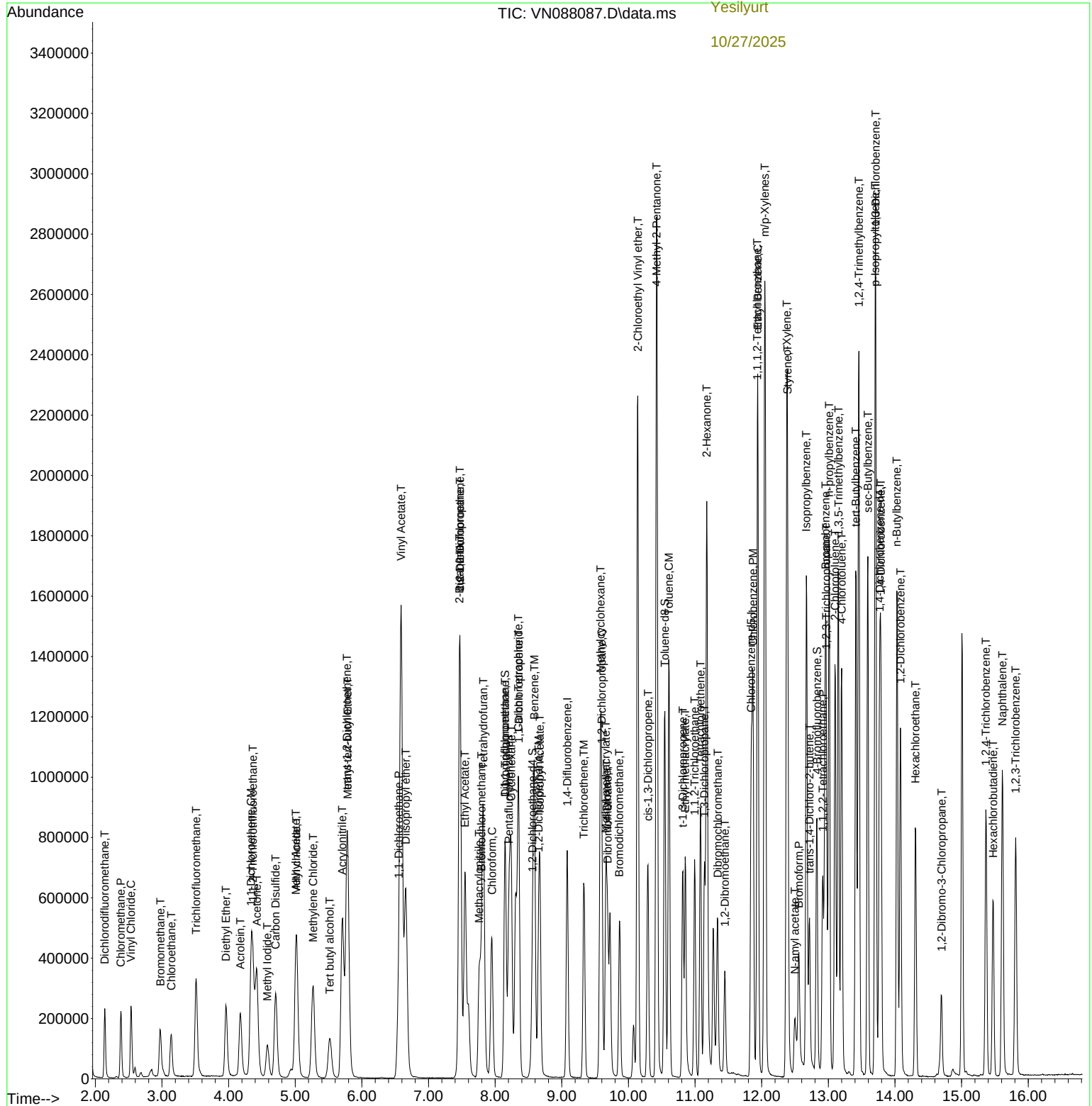
Quant Time: Oct 25 01:00:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Manual Integrations

Reviewed By :John
Carlone

10/27/2025
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Yesilyurt

10/27/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
 Data File : VN088087.D
 Acq On : 24 Oct 2025 12:28
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Oct 25 01:00:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 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	100	0.00
2 T	Dichlorodifluoromethane	0.564	0.591	-4.8	129	0.00
3 P	Chloromethane	0.664	0.668	-0.6	128	0.00
4 C	Vinyl Chloride	0.723	0.726	-0.4#	125	0.00
5 T	Bromomethane	0.432	0.392	9.3	115	0.00
6 T	Chloroethane	0.521	0.467	10.4	113	0.00
7 T	Trichlorofluoromethane	1.153	1.077	6.6	112	0.00
8 T	Diethyl Ether	0.429	0.409	4.7	128	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.595	0.591	0.7	124	0.00
10 T	Methyl Iodide	0.544	0.592	-8.8	130	0.00
11 T	Tert butyl alcohol	0.149	0.159	-6.7	137	0.00
12 CM	1,1-Dichloroethene	0.628	0.585	6.8#	126	0.00
13 T	Acrolein	0.168	0.163	3.0	131	0.00
14 T	Allyl chloride	1.102	1.121	-1.7	138	0.01
15 T	Acrylonitrile	0.406	0.430	-5.9	132	0.00
16 T	Acetone	0.434	0.382	12.0	119	0.00
17 T	Carbon Disulfide	1.910	1.946	-1.9	131	0.00
18 T	Methyl Acetate	0.889	0.969	-9.0	141	0.00
19 T	Methyl tert-butyl Ether	2.308	2.372	-2.8	132	0.00
20 T	Methylene Chloride	0.729	0.720	1.2	133	0.00
21 T	trans-1,2-Dichloroethene	0.690	0.671	2.8	125	0.00
22 T	Diisopropyl ether	2.317	2.430	-4.9	129	0.00
23 T	Vinyl Acetate	2.087	2.259	-8.2	130	0.00
24 P	1,1-Dichloroethane	1.283	1.342	-4.6	130	0.00
25 T	2-Butanone	0.572	0.593	-3.7	127	0.00
26 T	2,2-Dichloropropane	1.166	1.101	5.6	119	0.00
27 T	cis-1,2-Dichloroethene	0.794	0.797	-0.4	127	0.00
28 T	Bromochloromethane	0.606	0.625	-3.1	106	0.00
29 T	Tetrahydrofuran	0.373	0.385	-3.2	130	0.00
30 C	Chloroform	1.282	1.336	-4.2#	128	0.00
31 T	Cyclohexane	1.210	1.192	1.5	123	0.00
32 T	1,1,1-Trichloroethane	1.142	1.159	-1.5	127	0.00
33 S	1,2-Dichloroethane-d4	0.865	0.922	-6.6	115	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
35 S	Dibromofluoromethane	0.336	0.345	-2.7	107	0.00
36 T	1,1-Dichloropropene	0.490	0.526	-7.3	126	0.00
37 T	Ethyl Acetate	0.633	0.675	-6.6	134	0.00
38 T	Carbon Tetrachloride	0.507	0.549	-8.3	128	0.00
39 T	Methylcyclohexane	0.630	0.647	-2.7	121	0.00
40 TM	Benzene	1.494	1.578	-5.6	127	0.00
41 T	Methacrylonitrile	0.333	0.345	-3.6	124	0.00
42 TM	1,2-Dichloroethane	0.531	0.608	-14.5	136	0.00
43 T	Isopropyl Acetate	0.973	1.063	-9.2	128	0.00
44 TM	Trichloroethene	0.349	0.364	-4.3	125	0.00
45 C	1,2-Dichloropropane	0.377	0.399	-5.8#	127	0.00
46 T	Dibromomethane	0.269	0.291	-8.2	130	0.00
47 T	Bromodichloromethane	0.538	0.591	-9.9	131	0.00
48 T	Methyl methacrylate	0.449	0.505	-12.5	132	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
 Data File : VN088087.D
 Acq On : 24 Oct 2025 12:28
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Oct 25 01:00:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 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	145	0.00
50 S	Toluene-d8	1.294	1.331	-2.9	106	0.00
51 T	4-Methyl-2-Pentanone	0.575	0.647	-12.5	130	0.00
52 CM	Toluene	0.921	0.948	-2.9#	123	0.00
53 T	t-1,3-Dichloropropene	0.573	0.614	-7.2	125	0.00
54 T	cis-1,3-Dichloropropene	0.608	0.649	-6.7	126	0.00
55 T	1,1,2-Trichloroethane	0.349	0.358	-2.6	124	0.00
56 T	Ethyl methacrylate	0.553	0.632	-14.3	130	0.00
57 T	1,3-Dichloropropane	0.614	0.659	-7.3	127	0.00
58 T	2-Chloroethyl Vinyl ether	0.288	0.330	-14.6	131	0.00
59 T	2-Hexanone	0.382	0.444	-16.2	130	0.00
60 T	Dibromochloromethane	0.397	0.420	-5.8	125	0.00
61 T	1,2-Dibromoethane	0.360	0.374	-3.9	126	0.00
62 S	4-Bromofluorobenzene	0.457	0.491	-7.4	109	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
64 T	Tetrachloroethene	0.330	0.343	-3.9	127	0.00
65 PM	Chlorobenzene	1.135	1.183	-4.2	120	0.00
66 T	1,1,1,2-Tetrachloroethane	0.372	0.402	-8.1	124	0.00
67 C	Ethyl Benzene	1.993	2.130	-6.9#	124	0.00
68 T	m/p-Xylenes	0.747	0.797	-6.7	120	0.00
69 T	o-Xylene	0.708	0.764	-7.9	121	0.00
70 T	Styrene	1.154	1.312	-13.7	124	0.00
71 P	Bromoform	0.278	0.309	-11.2	127	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
73 T	Isopropylbenzene	3.856	4.012	-4.0	122	0.00
74 T	N-amyl acetate	1.095	1.236	-12.9	129	0.00
75 P	1,1,2,2-Tetrachloroethane	1.201	1.237	-3.0	125	0.00
76 T	1,2,3-Trichloropropane	1.143	1.205	-5.4	125	0.00
77 T	Bromobenzene	0.832	0.874	-5.0	122	0.00
78 T	n-propylbenzene	4.706	4.969	-5.6	122	0.00
79 T	2-Chlorotoluene	2.684	2.927	-9.1	126	0.00
80 T	1,3,5-Trimethylbenzene	3.203	3.418	-6.7	123	0.00
81 T	trans-1,4-Dichloro-2-butene	0.410	0.407	0.7	124	0.00
82 T	4-Chlorotoluene	2.904	3.014	-3.8	124	0.00
83 T	tert-Butylbenzene	2.861	2.948	-3.0	120	0.00
84 T	1,2,4-Trimethylbenzene	3.204	3.455	-7.8	123	0.00
85 T	sec-Butylbenzene	4.203	4.306	-2.5	119	0.00
86 T	p-Isopropyltoluene	3.372	3.609	-7.0	121	0.00
87 T	1,3-Dichlorobenzene	1.660	1.743	-5.0	122	0.00
88 T	1,4-Dichlorobenzene	1.783	1.755	1.6	121	0.00
89 T	n-Butylbenzene	3.340	3.495	-4.6	119	0.00
90 T	Hexachloroethane	0.653	0.664	-1.7	120	0.00
91 T	1,2-Dichlorobenzene	1.600	1.633	-2.1	122	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.279	0.295	-5.7	133	0.00
93 T	1,2,4-Trichlorobenzene	0.969	1.009	-4.1	124	0.00
94 T	Hexachlorobutadiene	0.361	0.378	-4.7	124	0.00
95 T	Naphthalene	3.320	3.458	-4.2	122	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
Data File : VN088087.D
Acq On : 24 Oct 2025 12:28
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 25 01:00:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 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	0.951	-2.4	124	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
 Data File : VN088087.D
 Acq On : 24 Oct 2025 12:28
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Oct 25 01:00:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 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	100	0.00
2 T	Dichlorodifluoromethane	50.000	52.352	-4.7	129	0.00
3 P	Chloromethane	50.000	50.337	-0.7	128	0.00
4 C	Vinyl Chloride	50.000	50.193	-0.4#	125	0.00
5 T	Bromomethane	50.000	45.351	9.3	115	0.00
6 T	Chloroethane	50.000	44.789	10.4	113	0.00
7 T	Trichlorofluoromethane	50.000	46.716	6.6	112	0.00
8 T	Diethyl Ether	50.000	47.742	4.5	128	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	49.665	0.7	124	0.00
10 T	Methyl Iodide	50.000	50.429	-0.9	130	0.00
11 T	Tert butyl alcohol	250.000	266.943	-6.8	137	0.00
12 CM	1,1-Dichloroethene	50.000	46.505	7.0#	126	0.00
13 T	Acrolein	250.000	243.457	2.6	131	0.00
14 T	Allyl chloride	50.000	50.867	-1.7	138	0.01
15 T	Acrylonitrile	250.000	264.900	-6.0	132	0.00
16 T	Acetone	250.000	220.093	12.0	119	0.00
17 T	Carbon Disulfide	50.000	50.927	-1.9	131	0.00
18 T	Methyl Acetate	50.000	54.499	-9.0	141	0.00
19 T	Methyl tert-butyl Ether	50.000	51.390	-2.8	132	0.00
20 T	Methylene Chloride	50.000	53.173	-6.3	133	0.00
21 T	trans-1,2-Dichloroethene	50.000	48.604	2.8	125	0.00
22 T	Diisopropyl ether	50.000	52.450	-4.9	129	0.00
23 T	Vinyl Acetate	250.000	270.604	-8.2	130	0.00
24 P	1,1-Dichloroethane	50.000	52.284	-4.6	130	0.00
25 T	2-Butanone	250.000	259.021	-3.6	127	0.00
26 T	2,2-Dichloropropane	50.000	47.229	5.5	119	0.00
27 T	cis-1,2-Dichloroethene	50.000	50.162	-0.3	127	0.00
28 T	Bromochloromethane	50.000	51.510	-3.0	106	0.00
29 T	Tetrahydrofuran	250.000	258.255	-3.3	130	0.00
30 C	Chloroform	50.000	52.112	-4.2#	128	0.00
31 T	Cyclohexane	50.000	49.253	1.5	123	0.00
32 T	1,1,1-Trichloroethane	50.000	50.738	-1.5	127	0.00
33 S	1,2-Dichloroethane-d4	50.000	53.327	-6.7	115	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
35 S	Dibromofluoromethane	50.000	51.380	-2.8	107	0.00
36 T	1,1-Dichloropropene	50.000	53.604	-7.2	126	0.00
37 T	Ethyl Acetate	50.000	53.308	-6.6	134	0.00
38 T	Carbon Tetrachloride	50.000	54.204	-8.4	128	0.00
39 T	Methylcyclohexane	50.000	51.345	-2.7	121	0.00
40 TM	Benzene	50.000	52.823	-5.6	127	0.00
41 T	Methacrylonitrile	50.000	51.768	-3.5	124	0.00
42 TM	1,2-Dichloroethane	50.000	57.258	-14.5	136	0.00
43 T	Isopropyl Acetate	50.000	54.629	-9.3	128	0.00
44 TM	Trichloroethene	50.000	52.183	-4.4	125	0.00
45 C	1,2-Dichloropropane	50.000	52.900	-5.8#	127	0.00
46 T	Dibromomethane	50.000	54.086	-8.2	130	0.00
47 T	Bromodichloromethane	50.000	54.911	-9.8	131	0.00
48 T	Methyl methacrylate	50.000	56.194	-12.4	132	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
 Data File : VN088087.D
 Acq On : 24 Oct 2025 12:28
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Oct 25 01:00:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 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	1174.026	-17.4	145	0.00
50 S	Toluene-d8	50.000	51.401	-2.8	106	0.00
51 T	4-Methyl-2-Pentanone	250.000	280.973	-12.4	130	0.00
52 CM	Toluene	50.000	51.494	-3.0#	123	0.00
53 T	t-1,3-Dichloropropene	50.000	53.605	-7.2	125	0.00
54 T	cis-1,3-Dichloropropene	50.000	53.376	-6.8	126	0.00
55 T	1,1,2-Trichloroethane	50.000	51.280	-2.6	124	0.00
56 T	Ethyl methacrylate	50.000	57.172	-14.3	130	0.00
57 T	1,3-Dichloropropane	50.000	53.669	-7.3	127	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	286.733	-14.7	131	0.00
59 T	2-Hexanone	250.000	291.082	-16.4	130	0.00
60 T	Dibromochloromethane	50.000	52.902	-5.8	125	0.00
61 T	1,2-Dibromoethane	50.000	51.945	-3.9	126	0.00
62 S	4-Bromofluorobenzene	50.000	53.678	-7.4	109	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	96	0.00
64 T	Tetrachloroethene	50.000	51.951	-3.9	127	0.00
65 PM	Chlorobenzene	50.000	52.086	-4.2	120	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	54.029	-8.1	124	0.00
67 C	Ethyl Benzene	50.000	53.447	-6.9#	124	0.00
68 T	m/p-Xylenes	100.000	106.712	-6.7	120	0.00
69 T	o-Xylene	50.000	53.975	-8.0	121	0.00
70 T	Styrene	50.000	56.837	-13.7	124	0.00
71 P	Bromoform	50.000	55.593	-11.2	127	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	96	0.00
73 T	Isopropylbenzene	50.000	52.015	-4.0	122	0.00
74 T	N-ethyl acetate	50.000	56.462	-12.9	129	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	51.529	-3.1	125	0.00
76 T	1,2,3-Trichloropropane	50.000	52.706	-5.4	125	0.00
77 T	Bromobenzene	50.000	52.523	-5.0	122	0.00
78 T	n-propylbenzene	50.000	52.794	-5.6	122	0.00
79 T	2-Chlorotoluene	50.000	54.522	-9.0	126	0.00
80 T	1,3,5-Trimethylbenzene	50.000	53.357	-6.7	123	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.619	0.8	124	0.00
82 T	4-Chlorotoluene	50.000	51.893	-3.8	124	0.00
83 T	tert-Butylbenzene	50.000	51.524	-3.0	120	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.917	-7.8	123	0.00
85 T	sec-Butylbenzene	50.000	51.220	-2.4	119	0.00
86 T	p-Isopropyltoluene	50.000	53.512	-7.0	121	0.00
87 T	1,3-Dichlorobenzene	50.000	52.507	-5.0	122	0.00
88 T	1,4-Dichlorobenzene	50.000	49.213	1.6	121	0.00
89 T	n-Butylbenzene	50.000	52.316	-4.6	119	0.00
90 T	Hexachloroethane	50.000	50.866	-1.7	120	0.00
91 T	1,2-Dichlorobenzene	50.000	51.009	-2.0	122	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	52.792	-5.6	133	0.00
93 T	1,2,4-Trichlorobenzene	50.000	52.036	-4.1	124	0.00
94 T	Hexachlorobutadiene	50.000	52.391	-4.8	124	0.00
95 T	Naphthalene	50.000	52.085	-4.2	122	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
Data File : VN088087.D
Acq On : 24 Oct 2025 12:28
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 25 01:00:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.188	-2.4	124	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>Q3373</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/22/2025 08:37</u>
Lab File ID:	<u>VX048280.D</u>	Init. Calib. Date(s):	<u>10/20/2025 10/20/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>10:59 13:49</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.514	0.578		12.45	20
Chloromethane	0.480	0.438	0.1	-8.75	20
Vinyl Chloride	0.444	0.420		-5.41	20
Ethyl Acetate	0.402	0.376		-6.47	20
Bromomethane	0.302	0.297		-1.66	20
Chloroethane	0.261	0.256		-1.92	20
Trichlorofluoromethane	0.852	0.951		11.62	20
1,1,2-Trichlorotrifluoroethane	0.540	0.607		12.41	20
Tert butyl alcohol	0.070	0.063		-10	20
1,1-Dichloroethene	0.525	0.556		5.91	20
Acrolein	0.071	0.085		19.72	20
Acrylonitrile	0.251	0.233		-7.17	20
Acetone	0.240	0.274		14.17	20
Carbon Disulfide	1.654	1.577		-4.66	20
Methyl tert-butyl Ether	1.791	1.857		3.68	20
Methyl Acetate	0.502	0.458		-8.77	20
Methylene Chloride	0.586	0.608		3.75	20
trans-1,2-Dichloroethene	0.577	0.603		4.51	20
Vinyl Acetate	1.389	1.377		-0.86	20
1,1-Dichloroethane	1.051	1.063	0.1	1.14	20
Cyclohexane	0.870	0.876		0.69	20
2-Butanone	0.304	0.297		-2.3	20
Carbon Tetrachloride	0.599	0.685		14.36	20
2,2-Dichloropropane	0.949	1.024		7.9	20
cis-1,2-Dichloroethene	0.673	0.684		1.63	20
Bromochloromethane	0.436	0.447		2.52	20
Chloroform	1.123	1.158		3.12	20
1,1,1-Trichloroethane	1.035	1.137		9.85	20
Methylcyclohexane	0.573	0.634		10.65	20
1,1-Dichloropropene	0.485	0.520		7.22	20
Benzene	1.409	1.476		4.76	20
1,2-Dichloroethane	0.520	0.586		12.69	20
Trichloroethene	0.372	0.403		8.33	20
1,2-Dichloropropane	0.335	0.349		4.18	20
Dibromomethane	0.261	0.276		5.75	20
Bromodichloromethane	0.563	0.621		10.3	20
4-Methyl-2-Pentanone	0.381	0.362		-4.99	20
Toluene	0.895	0.954		6.59	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>Q3373</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/22/2025 08:37</u>
Lab File ID:	<u>VX048280.D</u>	Init. Calib. Date(s):	<u>10/20/2025 10/20/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>10:59 13:49</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	0.543	0.594		9.39	20
cis-1,3-Dichloropropene	0.586	0.625		6.66	20
1,1,2-Trichloroethane	0.333	0.347		4.2	20
1,3-Dichloropropane	0.568	0.591		4.05	20
2-Chloroethyl Vinyl ether	0.232	0.267		15.09	20
2-Hexanone	0.266	0.280		5.26	20
Dibromochloromethane	0.447	0.470		5.14	20
1,2-Dibromoethane	0.355	0.373		5.07	20
Tetrachloroethene	0.373	0.399		6.97	20
Chlorobenzene	1.125	1.207	0.3	7.29	20
1,1,1,2-Tetrachloroethane	0.413	0.452		9.44	20
Hexachloroethane	0.638	0.643		0.78	20
Ethyl Benzene	1.915	2.078		8.51	20
m/p-Xylenes	0.712	0.782		9.83	20
o-Xylene	0.687	0.747		8.73	20
Styrene	1.170	1.308		11.8	20
Bromoform	0.330	0.351	0.1	6.36	20
Isopropylbenzene	3.652	3.981		9.01	20
1,1,2,2-Tetrachloroethane	0.997	0.983	0.3	-1.4	20
1,2,3-Trichloropropane	0.811	0.825		1.73	20
Bromobenzene	0.916	0.980		6.99	20
n-propylbenzene	4.228	4.651		10.01	20
2-Chlorotoluene	2.564	2.773		8.15	20
1,3,5-Trimethylbenzene	3.022	3.313		9.63	20
4-Chlorotoluene	3.043	3.274		7.59	20
tert-Butylbenzene	3.105	3.318		6.86	20
1,2,4-Trimethylbenzene	3.016	3.293		9.18	20
sec-Butylbenzene	3.736	4.036		8.03	20
p-Isopropyltoluene	3.229	3.514		8.83	20
1,3-Dichlorobenzene	1.726	1.798		4.17	20
1,4-Dichlorobenzene	1.788	1.820		1.79	20
n-Butylbenzene	2.939	3.076		4.66	20
1,2-Dichlorobenzene	1.621	1.694		4.5	20
1,2-Dibromo-3-Chloropropane	0.202	0.207		2.47	20
1,2,4-Trichlorobenzene	1.096	1.118		2.01	20
Hexachlorobutadiene	0.507	0.444		-12.43	20
Naphthalene	2.904	2.963		2.03	20
1,2,3-Trichlorobenzene	1.006	1.031		2.48	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.: Q3373
Instrument ID: MSVOA_X Calibration Date/Time: 10/22/2025 08:37
Lab File ID: VX048280.D Init. Calib. Date(s): 10/20/2025 10/20/2025
Heated Purge: (Y/N) N Init. Calib. Time(s): 10:59 13:49
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2-Dichloroethane-d4	0.701	0.677		-3.42	20
Dibromofluoromethane	0.341	0.353		3.52	20
Toluene-d8	1.196	1.188		-0.67	20
4-Bromofluorobenzene	0.455	0.440		-3.3	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\VX102225\
 Data File : VX048280.D
 Acq On : 22 Oct 2025 08:37
 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 10/24/2025
 Supervised By : Mahesh Dadoda 10/24/2025

Quant Time: Oct 24 05:49:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	112883	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	171616	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	151325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	76595	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.934	65	76366	48.250	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.500%
35) Dibromofluoromethane	5.367	113	60534	51.667	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.340%
50) Toluene-d8	8.628	98	203851	49.640	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.280%
62) 4-Bromofluorobenzene	11.061	95	75540	48.352	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.172	85	65265	56.241	ug/l	99
3) Chloromethane	1.300	50	49425	45.630	ug/l	99
4) Vinyl Chloride	1.380	62	47382	47.239	ug/l	100
5) Bromomethane	1.611	94	33539	49.271	ug/l	97
6) Chloroethane	1.691	64	28903	49.038	ug/l	95
7) Trichlorofluoromethane	1.892	101	107357	55.808	ug/l	97
8) Diethyl Ether	2.136	74	26023	48.077	ug/l	83
9) 1,1,2-Trichlorotrifluo...	2.331	101	68490	56.225	ug/l	96
10) Methyl Iodide	2.453	142	87087	56.868	ug/l	98
11) Tert butyl alcohol	2.940	59	35785	227.724	ug/l	100
12) 1,1-Dichloroethene	2.319	96	62744	52.943	ug/l	94
13) Acrolein	2.233	56	48081	300.005	ug/l	99
14) Allyl chloride	2.660	41	94077	47.813	ug/l	91
15) Acrylonitrile	3.050	53	131715	232.450	ug/l	98
16) Acetone	2.373	43	154383	284.337	ug/l	99
17) Carbon Disulfide	2.514	76	177992	47.654	ug/l	99
18) Methyl Acetate	2.697	43	51668	45.566	ug/l	93
19) Methyl tert-butyl Ether	3.105	73	209570	51.835	ug/l	93
20) Methylene Chloride	2.788	84	68678	51.912	ug/l	88
21) trans-1,2-Dichloroethene	3.087	96	68104	52.315	ug/l	99
22) Diisopropyl ether	3.745	45	196556	50.085	ug/l #	96
23) Vinyl Acetate	3.709	43	777072	247.880	ug/l	96
24) 1,1-Dichloroethane	3.599	63	120039	50.586	ug/l	100
25) 2-Butanone	4.532	43	167713	244.037	ug/l	97
26) 2,2-Dichloropropane	4.458	77	115554	53.950	ug/l	98
27) cis-1,2-Dichloroethene	4.471	96	77266	50.857	ug/l	100
28) Bromochloromethane	4.879	49	50491	51.316	ug/l #	80
29) Tetrahydrofuran	4.983	42	90001	218.666	ug/l	91
30) Chloroform	5.074	83	130715	51.559	ug/l	94
31) Cyclohexane	5.452	56	98916	50.349	ug/l	86
32) 1,1,1-Trichloroethane	5.361	97	128292	54.907	ug/l	97
36) 1,1-Dichloropropene	5.672	75	89311	53.632	ug/l	99
37) Ethyl Acetate	4.696	43	64504	46.733	ug/l	95
38) Carbon Tetrachloride	5.659	117	117550	57.216	ug/l	96
39) Methylcyclohexane	7.360	83	108726	55.285	ug/l	93
40) Benzene	6.013	78	253259	52.383	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
 Data File : VX048280.D
 Acq On : 22 Oct 2025 08:37
 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 10/24/2025
 Supervised By : Mahesh Dadoda 10/24/2025

Quant Time: Oct 24 05:49:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	35771	49.349	ug/l	93
42) 1,2-Dichloroethane	6.068	62	100501	56.333	ug/l	100
43) Isopropyl Acetate	6.312	43	108948	48.053	ug/l #	95
44) Trichloroethene	7.104	130	69227	54.227	ug/l	95
45) 1,2-Dichloropropane	7.409	63	59904	52.114	ug/l	97
46) Dibromomethane	7.562	93	47300	52.817	ug/l	93
47) Bromodichloromethane	7.799	83	106527	55.092	ug/l	96
48) Methyl methacrylate	7.671	41	56901	49.735	ug/l	94
49) 1,4-Dioxane	7.641	88	14380	951.387	ug/l	92
51) 4-Methyl-2-Pentanone	8.555	43	310242	237.329	ug/l	94
52) Toluene	8.702	92	163729	53.307	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	101924	54.699	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	107258	53.352	ug/l	94
55) 1,1,2-Trichloroethane	9.134	97	59586	52.167	ug/l	98
56) Ethyl methacrylate	9.098	69	84986	50.869	ug/l	95
57) 1,3-Dichloropropane	9.287	76	101491	52.019	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.220	63	229383	255.311	ug/l	94
59) 2-Hexanone	9.409	43	240369	263.703	ug/l	95
60) Dibromochloromethane	9.500	129	80645	52.530	ug/l	98
61) 1,2-Dibromoethane	9.592	107	64007	52.565	ug/l	96
64) Tetrachloroethene	9.256	164	60402	53.469	ug/l	95
65) Chlorobenzene	10.061	112	182674	53.663	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.146	131	68462	54.756	ug/l	98
67) Ethyl Benzene	10.177	91	314516	54.267	ug/l	96
68) m/p-Xylenes	10.281	106	236784	109.959	ug/l	98
69) o-Xylene	10.622	106	113014	54.361	ug/l	100
70) Styrene	10.634	104	197941	55.916	ug/l	99
71) Bromoform	10.780	173	53116	53.153	ug/l #	100
73) Isopropylbenzene	10.945	105	304903	54.500	ug/l	100
74) N-amyl acetate	10.823	43	96095	48.424	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.195	83	75307	49.292	ug/l	98
76) 1,2,3-Trichloropropane	11.219	75	63201m	50.882	ug/l	
77) Bromobenzene	11.177	156	75059	53.507	ug/l	93
78) n-propylbenzene	11.286	91	356264	55.000	ug/l	98
79) 2-Chlorotoluene	11.347	91	212434	54.093	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	253794	54.818	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	25680	50.299	ug/l	96
82) 4-Chlorotoluene	11.433	91	250734	53.783	ug/l	99
83) tert-Butylbenzene	11.695	119	254160	53.430	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	252256	54.596	ug/l	99
85) sec-Butylbenzene	11.872	105	309120	54.013	ug/l	100
86) p-Isopropyltoluene	11.988	119	269139	54.408	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	137722	52.079	ug/l	99
88) 1,4-Dichlorobenzene	12.018	146	139405	50.886	ug/l	99
89) n-Butylbenzene	12.311	91	235632	52.334	ug/l	99
90) Hexachloroethane	12.518	117	49234	50.400	ug/l	92
91) 1,2-Dichlorobenzene	12.317	146	129743	52.256	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	15838	51.071	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	85647	51.009	ug/l	97
94) Hexachlorobutadiene	13.707	225	34001	54.034	ug/l	99
95) Naphthalene	13.756	128	226945	51.017	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	78971	51.255	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
Data File : VX048280.D
Acq On : 22 Oct 2025 08:37
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 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

Quant Time: Oct 24 05:49:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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

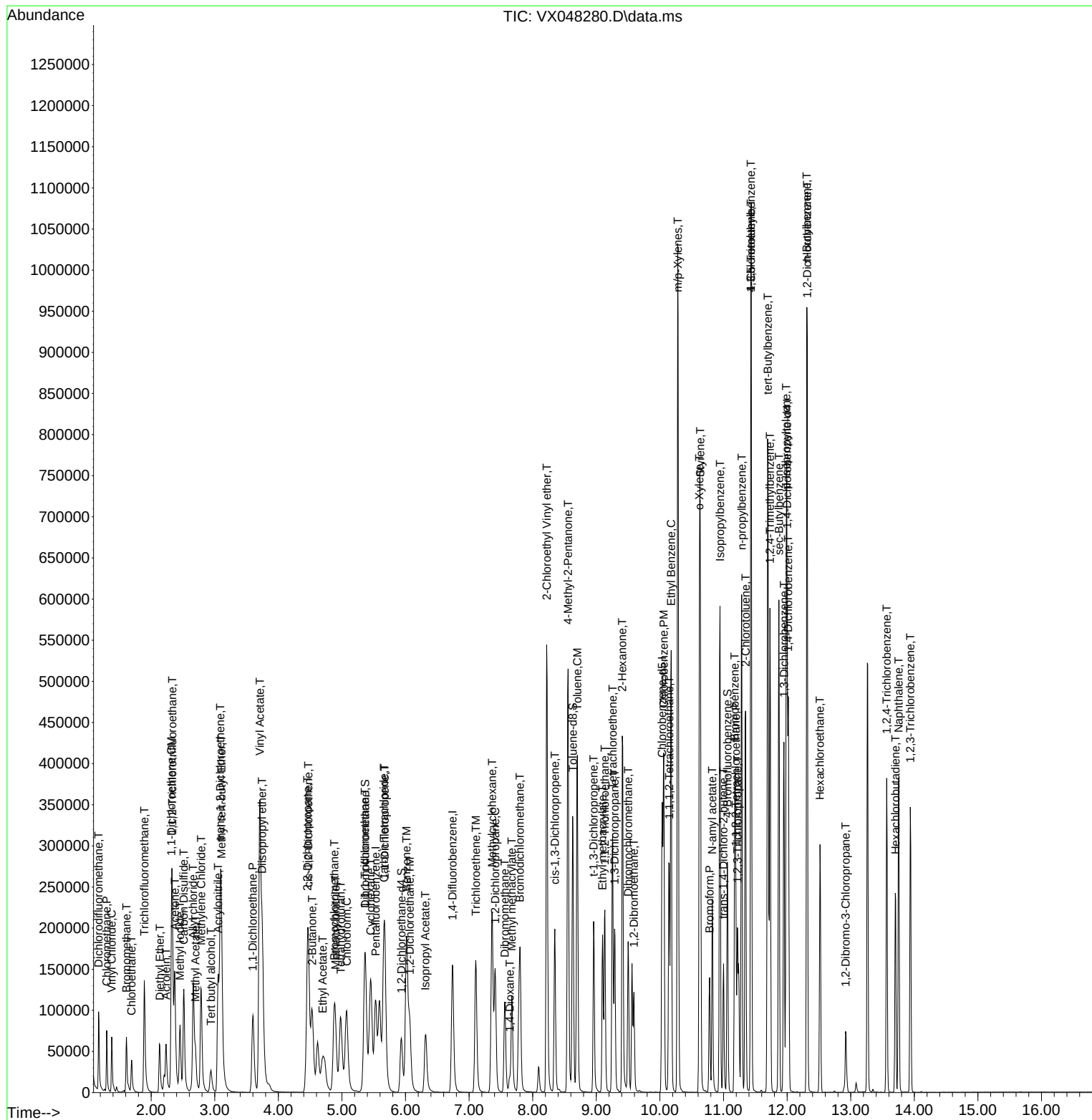
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
Data File : VX048280.D
Acq On : 22 Oct 2025 08:37
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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

Quant Time: Oct 24 05:49:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
 Data File : VX048280.D
 Acq On : 22 Oct 2025 08:37
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
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Instrument :
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 LabSampleId :
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Quant Time: Oct 24 05:49:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 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	91	-0.01
2 T	Dichlorodifluoromethane	0.514	0.578	-12.5	108	0.00
3 P	Chloromethane	0.480	0.438	8.7	88	0.00
4 C	Vinyl Chloride	0.444	0.420	5.4#	91	0.00
5 T	Bromomethane	0.302	0.297	1.7	96	0.00
6 T	Chloroethane	0.261	0.256	1.9	94	0.00
7 T	Trichlorofluoromethane	0.852	0.951	-11.6	107	0.00
8 T	Diethyl Ether	0.240	0.231	3.7	94	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.540	0.607	-12.4	110	0.00
10 T	Methyl Iodide	0.678	0.771	-13.7	105	0.00
11 T	Tert butyl alcohol	0.070	0.063	10.0	93	0.00
12 CM	1,1-Dichloroethene	0.525	0.556	-5.9#	104	0.00
13 T	Acrolein	0.071	0.085	-19.7	119	0.00
14 T	Allyl chloride	0.872	0.833	4.5	94	0.00
15 T	Acrylonitrile	0.251	0.233	7.2	88	0.00
16 T	Acetone	0.240	0.274	-14.2	123	0.00
17 T	Carbon Disulfide	1.654	1.577	4.7	99	0.00
18 T	Methyl Acetate	0.502	0.458	8.8	89	0.00
19 T	Methyl tert-butyl Ether	1.791	1.857	-3.7	99	0.00
20 T	Methylene Chloride	0.586	0.608	-3.8	100	0.00
21 T	trans-1,2-Dichloroethene	0.577	0.603	-4.5	102	0.00
22 T	Diisopropyl ether	1.738	1.741	-0.2	95	0.00
23 T	Vinyl Acetate	1.389	1.377	0.9	93	0.00
24 P	1,1-Dichloroethane	1.051	1.063	-1.1	99	0.00
25 T	2-Butanone	0.304	0.297	2.3	96	0.00
26 T	2,2-Dichloropropane	0.949	1.024	-7.9	106	0.00
27 T	cis-1,2-Dichloroethene	0.673	0.684	-1.6	99	-0.01
28 T	Bromochloromethane	0.436	0.447	-2.5	92	0.00
29 T	Tetrahydrofuran	0.182	0.159	12.6	85	0.00
30 C	Chloroform	1.123	1.158	-3.1#	100	0.00
31 T	Cyclohexane	0.870	0.876	-0.7	97	0.00
32 T	1,1,1-Trichloroethane	1.035	1.137	-9.9	106	-0.01
33 S	1,2-Dichloroethane-d4	0.701	0.677	3.4	90	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	85	0.00
35 S	Dibromofluoromethane	0.341	0.353	-3.5	91	0.00
36 T	1,1-Dichloropropene	0.485	0.520	-7.2	102	-0.01
37 T	Ethyl Acetate	0.402	0.376	6.5	87	0.00
38 T	Carbon Tetrachloride	0.599	0.685	-14.4	105	0.00
39 T	Methylcyclohexane	0.573	0.634	-10.6	100	0.00
40 TM	Benzene	1.409	1.476	-4.8	96	-0.01
41 T	Methacrylonitrile	0.211	0.208	1.4	87	0.00
42 TM	1,2-Dichloroethane	0.520	0.586	-12.7	100	0.00
43 T	Isopropyl Acetate	0.661	0.635	3.9	85	-0.01
44 TM	Trichloroethene	0.372	0.403	-8.3	98	0.00
45 C	1,2-Dichloropropane	0.335	0.349	-4.2#	92	0.00
46 T	Dibromomethane	0.261	0.276	-5.7	95	0.00
47 T	Bromodichloromethane	0.563	0.621	-10.3	98	0.00
48 T	Methyl methacrylate	0.333	0.332	0.3	87	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
 Data File : VX048280.D
 Acq On : 22 Oct 2025 08:37
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Oct 24 05:49:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.004	0.004	0.0	80	0.00
50 S	Toluene-d8	1.196	1.188	0.7	85	0.00
51 T	4-Methyl-2-Pentanone	0.381	0.362	5.0	82	0.00
52 CM	Toluene	0.895	0.954	-6.6#	94	0.00
53 T	t-1,3-Dichloropropene	0.543	0.594	-9.4	93	0.00
54 T	cis-1,3-Dichloropropene	0.586	0.625	-6.7	93	0.00
55 T	1,1,2-Trichloroethane	0.333	0.347	-4.2	92	0.00
56 T	Ethyl methacrylate	0.487	0.495	-1.6	86	0.00
57 T	1,3-Dichloropropane	0.568	0.591	-4.0	92	0.00
58 T	2-Chloroethyl Vinyl ether	0.232	0.267	-15.1	87	0.00
59 T	2-Hexanone	0.266	0.280	-5.3	89	0.00
60 T	Dibromochloromethane	0.447	0.470	-5.1	94	0.00
61 T	1,2-Dibromoethane	0.355	0.373	-5.1	93	0.00
62 S	4-Bromofluorobenzene	0.455	0.440	3.3	84	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	82	0.00
64 T	Tetrachloroethene	0.373	0.399	-7.0	100	0.00
65 PM	Chlorobenzene	1.125	1.207	-7.3	95	0.00
66 T	1,1,1,2-Tetrachloroethane	0.413	0.452	-9.4	95	0.00
67 C	Ethyl Benzene	1.915	2.078	-8.5#	93	0.00
68 T	m/p-Xylenes	0.712	0.782	-9.8	93	0.00
69 T	o-Xylene	0.687	0.747	-8.7	92	0.00
70 T	Styrene	1.170	1.308	-11.8	94	0.00
71 P	Bromoform	0.330	0.351	-6.4	93	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	83	0.00
73 T	Isopropylbenzene	3.652	3.981	-9.0	96	0.00
74 T	N-amyl acetate	1.295	1.255	3.1	83	0.00
75 P	1,1,2,2-Tetrachloroethane	0.997	0.983	1.4	86	0.00
76 T	1,2,3-Trichloropropane	0.811	0.825	-1.7	93	0.00
77 T	Bromobenzene	0.916	0.980	-7.0	94	0.00
78 T	n-propylbenzene	4.228	4.651	-10.0	96	0.00
79 T	2-Chlorotoluene	2.564	2.773	-8.2	96	0.00
80 T	1,3,5-Trimethylbenzene	3.022	3.313	-9.6	96	0.00
81 T	trans-1,4-Dichloro-2-butene	0.333	0.335	-0.6	88	0.00
82 T	4-Chlorotoluene	3.043	3.274	-7.6	94	0.00
83 T	tert-Butylbenzene	3.105	3.318	-6.9	94	0.00
84 T	1,2,4-Trimethylbenzene	3.016	3.293	-9.2	95	0.00
85 T	sec-Butylbenzene	3.736	4.036	-8.0	96	0.00
86 T	p-Isopropyltoluene	3.229	3.514	-8.8	97	0.00
87 T	1,3-Dichlorobenzene	1.726	1.798	-4.2	96	0.00
88 T	1,4-Dichlorobenzene	1.788	1.820	-1.8	95	0.00
89 T	n-Butylbenzene	2.939	3.076	-4.7	97	0.00
90 T	Hexachloroethane	0.638	0.643	-0.8	93	0.00
91 T	1,2-Dichlorobenzene	1.621	1.694	-4.5	94	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.202	0.207	-2.5	88	0.00
93 T	1,2,4-Trichlorobenzene	1.096	1.118	-2.0	96	0.00
94 T	Hexachlorobutadiene	0.507	0.444	12.4	98	0.00
95 T	Naphthalene	2.904	2.963	-2.0	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
Data File : VX048280.D
Acq On : 22 Oct 2025 08:37
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 24 05:49:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.006	1.031	-2.5	94	0.00

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
 Data File : VX048280.D
 Acq On : 22 Oct 2025 08:37
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Oct 24 05:49:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 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	91	-0.01
2 T	Dichlorodifluoromethane	50.000	56.241	-12.5	108	0.00
3 P	Chloromethane	50.000	45.630	8.7	88	0.00
4 C	Vinyl Chloride	50.000	47.239	5.5#	91	0.00
5 T	Bromomethane	50.000	49.271	1.5	96	0.00
6 T	Chloroethane	50.000	49.038	1.9	94	0.00
7 T	Trichlorofluoromethane	50.000	55.808	-11.6	107	0.00
8 T	Diethyl Ether	50.000	48.077	3.8	94	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	56.225	-12.5	110	0.00
10 T	Methyl Iodide	50.000	56.868	-13.7	105	0.00
11 T	Tert butyl alcohol	250.000	227.724	8.9	93	0.00
12 CM	1,1-Dichloroethene	50.000	52.943	-5.9#	104	0.00
13 T	Acrolein	250.000	300.005	-20.0	119	0.00
14 T	Allyl chloride	50.000	47.813	4.4	94	0.00
15 T	Acrylonitrile	250.000	232.450	7.0	88	0.00
16 T	Acetone	250.000	284.337	-13.7	123	0.00
17 T	Carbon Disulfide	50.000	47.654	4.7	99	0.00
18 T	Methyl Acetate	50.000	45.566	8.9	89	0.00
19 T	Methyl tert-butyl Ether	50.000	51.835	-3.7	99	0.00
20 T	Methylene Chloride	50.000	51.912	-3.8	100	0.00
21 T	trans-1,2-Dichloroethene	50.000	52.315	-4.6	102	0.00
22 T	Diisopropyl ether	50.000	50.085	-0.2	95	0.00
23 T	Vinyl Acetate	250.000	247.880	0.8	93	0.00
24 P	1,1-Dichloroethane	50.000	50.586	-1.2	99	0.00
25 T	2-Butanone	250.000	244.037	2.4	96	0.00
26 T	2,2-Dichloropropane	50.000	53.950	-7.9	106	0.00
27 T	cis-1,2-Dichloroethene	50.000	50.857	-1.7	99	-0.01
28 T	Bromochloromethane	50.000	51.316	-2.6	92	0.00
29 T	Tetrahydrofuran	250.000	218.666	12.5	85	0.00
30 C	Chloroform	50.000	51.559	-3.1#	100	0.00
31 T	Cyclohexane	50.000	50.349	-0.7	97	0.00
32 T	1,1,1-Trichloroethane	50.000	54.907	-9.8	106	-0.01
33 S	1,2-Dichloroethane-d4	50.000	48.250	3.5	90	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	85	0.00
35 S	Dibromofluoromethane	50.000	51.667	-3.3	91	0.00
36 T	1,1-Dichloropropene	50.000	53.632	-7.3	102	-0.01
37 T	Ethyl Acetate	50.000	46.733	6.5	87	0.00
38 T	Carbon Tetrachloride	50.000	57.216	-14.4	105	0.00
39 T	Methylcyclohexane	50.000	55.285	-10.6	100	0.00
40 TM	Benzene	50.000	52.383	-4.8	96	-0.01
41 T	Methacrylonitrile	50.000	49.349	1.3	87	0.00
42 TM	1,2-Dichloroethane	50.000	56.333	-12.7	100	0.00
43 T	Isopropyl Acetate	50.000	48.053	3.9	85	-0.01
44 TM	Trichloroethene	50.000	54.227	-8.5	98	0.00
45 C	1,2-Dichloropropane	50.000	52.114	-4.2#	92	0.00
46 T	Dibromomethane	50.000	52.817	-5.6	95	0.00
47 T	Bromodichloromethane	50.000	55.092	-10.2	98	0.00
48 T	Methyl methacrylate	50.000	49.735	0.5	87	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
 Data File : VX048280.D
 Acq On : 22 Oct 2025 08:37
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Oct 24 05:49:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 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	951.387	4.9	80	0.00
50 S	Toluene-d8	50.000	49.640	0.7	85	0.00
51 T	4-Methyl-2-Pentanone	250.000	237.329	5.1	82	0.00
52 CM	Toluene	50.000	53.307	-6.6#	94	0.00
53 T	t-1,3-Dichloropropene	50.000	54.699	-9.4	93	0.00
54 T	cis-1,3-Dichloropropene	50.000	53.352	-6.7	93	0.00
55 T	1,1,2-Trichloroethane	50.000	52.167	-4.3	92	0.00
56 T	Ethyl methacrylate	50.000	50.869	-1.7	86	0.00
57 T	1,3-Dichloropropane	50.000	52.019	-4.0	92	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	255.311	-2.1	87	0.00
59 T	2-Hexanone	250.000	263.703	-5.5	89	0.00
60 T	Dibromochloromethane	50.000	52.530	-5.1	94	0.00
61 T	1,2-Dibromoethane	50.000	52.565	-5.1	93	0.00
62 S	4-Bromofluorobenzene	50.000	48.352	3.3	84	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	82	0.00
64 T	Tetrachloroethene	50.000	53.469	-6.9	100	0.00
65 PM	Chlorobenzene	50.000	53.663	-7.3	95	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	54.756	-9.5	95	0.00
67 C	Ethyl Benzene	50.000	54.267	-8.5#	93	0.00
68 T	m/p-Xylenes	100.000	109.959	-10.0	93	0.00
69 T	o-Xylene	50.000	54.361	-8.7	92	0.00
70 T	Styrene	50.000	55.916	-11.8	94	0.00
71 P	Bromoform	50.000	53.153	-6.3	93	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	83	0.00
73 T	Isopropylbenzene	50.000	54.500	-9.0	96	0.00
74 T	N-amyl acetate	50.000	48.424	3.2	83	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.292	1.4	86	0.00
76 T	1,2,3-Trichloropropane	50.000	50.882	-1.8	93	0.00
77 T	Bromobenzene	50.000	53.507	-7.0	94	0.00
78 T	n-propylbenzene	50.000	55.000	-10.0	96	0.00
79 T	2-Chlorotoluene	50.000	54.093	-8.2	96	0.00
80 T	1,3,5-Trimethylbenzene	50.000	54.818	-9.6	96	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	50.299	-0.6	88	0.00
82 T	4-Chlorotoluene	50.000	53.783	-7.6	94	0.00
83 T	tert-Butylbenzene	50.000	53.430	-6.9	94	0.00
84 T	1,2,4-Trimethylbenzene	50.000	54.596	-9.2	95	0.00
85 T	sec-Butylbenzene	50.000	54.013	-8.0	96	0.00
86 T	p-Isopropyltoluene	50.000	54.408	-8.8	97	0.00
87 T	1,3-Dichlorobenzene	50.000	52.079	-4.2	96	0.00
88 T	1,4-Dichlorobenzene	50.000	50.886	-1.8	95	0.00
89 T	n-Butylbenzene	50.000	52.334	-4.7	97	0.00
90 T	Hexachloroethane	50.000	50.400	-0.8	93	0.00
91 T	1,2-Dichlorobenzene	50.000	52.256	-4.5	94	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	51.071	-2.1	88	0.00
93 T	1,2,4-Trichlorobenzene	50.000	51.009	-2.0	96	0.00
94 T	Hexachlorobutadiene	50.000	54.034	-8.1	98	0.00
95 T	Naphthalene	50.000	51.017	-2.0	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
Data File : VX048280.D
Acq On : 22 Oct 2025 08:37
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 24 05:49:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.255	-2.5	94	0.00

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



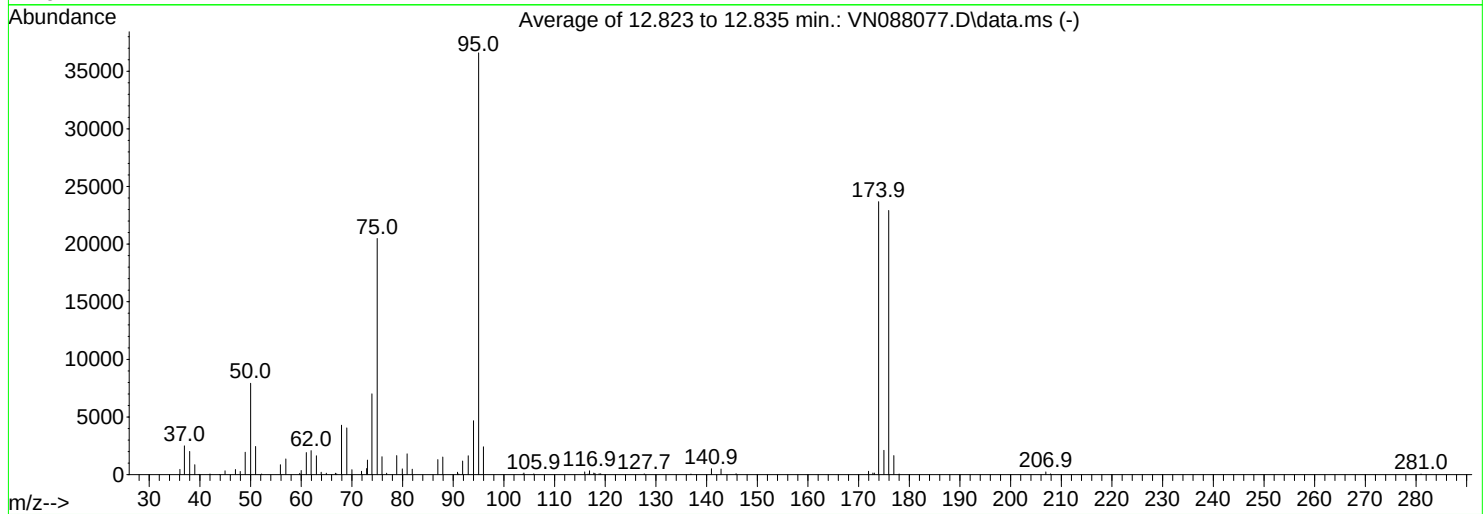
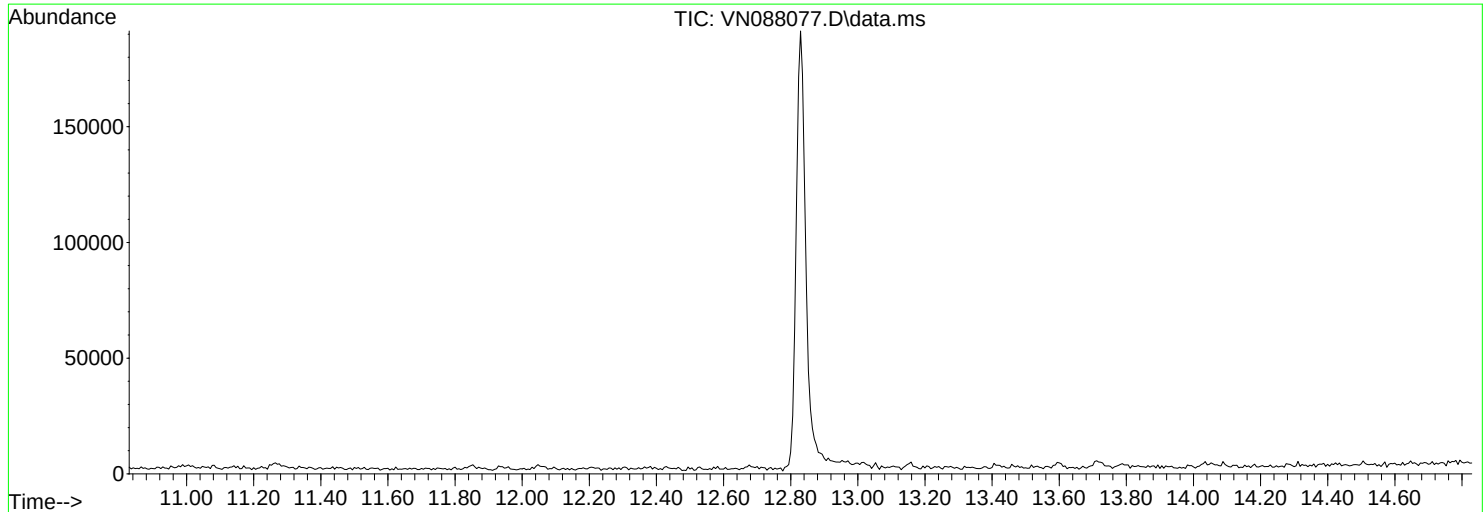
QC SAMPLE DATA

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

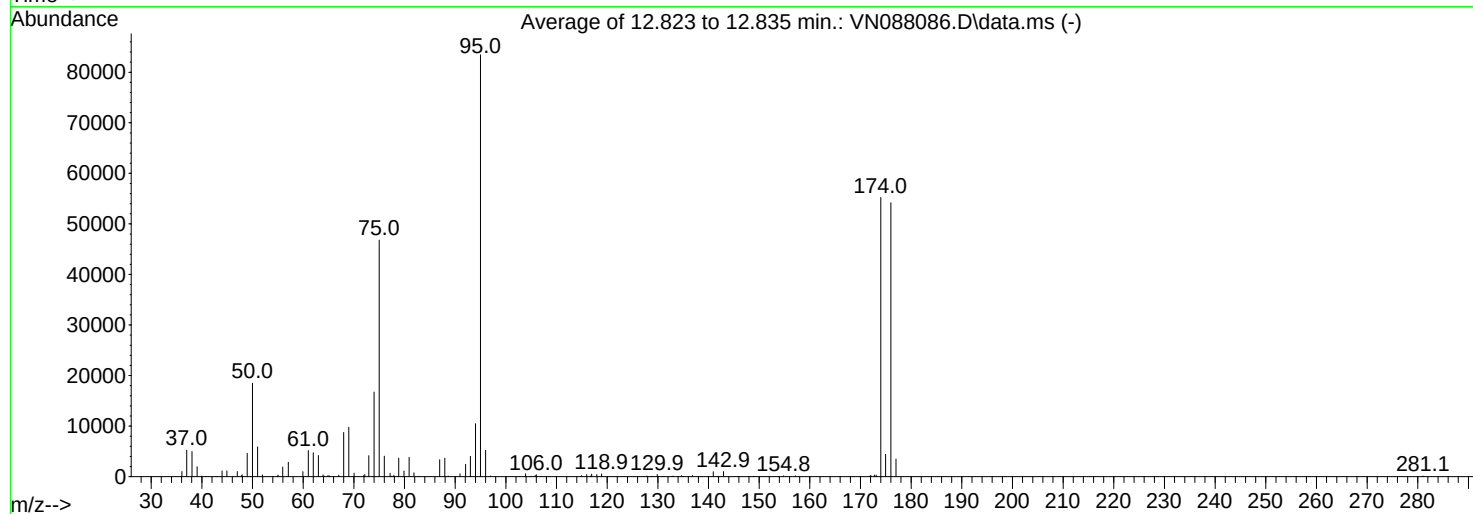
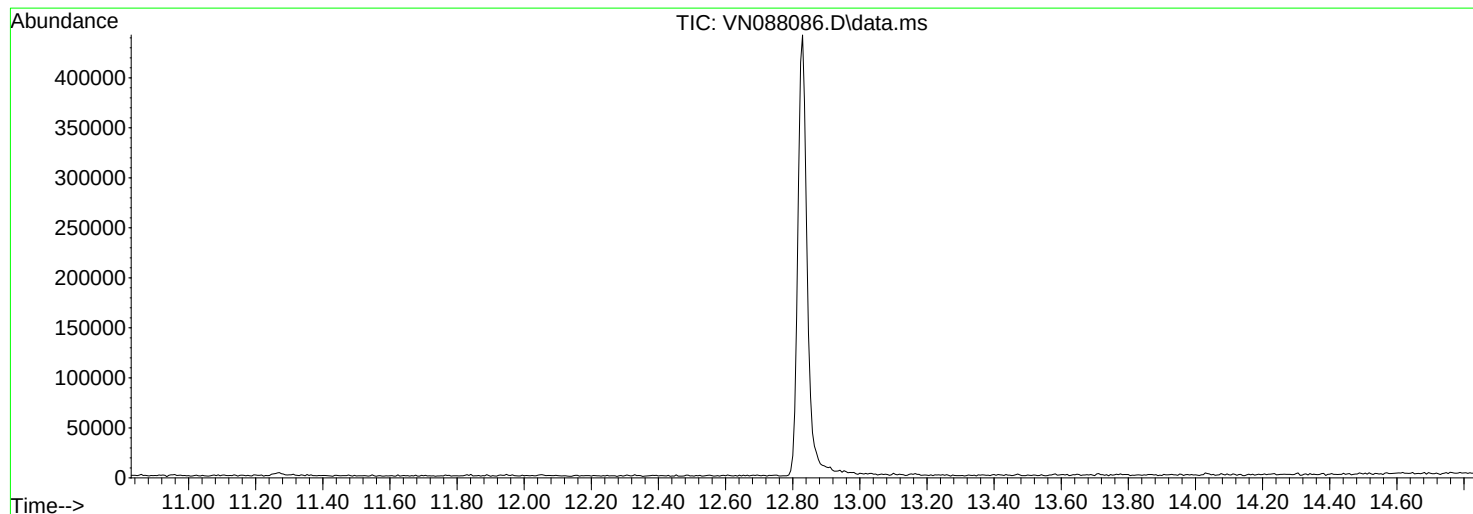
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.95	1644	117.95	115	173.95	23688		
94.00	4674	118.80	84	175.00	2114		
95.00	36595	119.10	82	175.95	22925		
95.95	2412	127.70	70	176.95	1653		
103.80	60	136.90	63	178.00	54		
103.95	139	140.95	512	206.95	238		
105.90	74	142.85	486	207.90	72		
115.95	231	145.80	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\VN102425\
Data File : VN088086.D
Acq On : 24 Oct 2025 12:07
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:\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 1840

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.2	18497	PASS
75	95	30	60	56.1	46792	PASS
95	95	100	100	100.0	83443	PASS
96	95	5	9	6.2	5212	PASS
173	174	0.00	2	0.6	333	PASS
174	95	50	100	66.2	55227	PASS
175	174	5	9	8.0	4416	PASS
176	174	95	101	98.1	54195	PASS
177	176	5	9	6.4	3474	PASS

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	1019	47.95	397	62.00	4725	72.15	421
37.00	5228	48.95	4618	63.00	4179	72.95	415
38.05	4968	50.00	18497	63.90	361	74.00	1674
39.05	1972	51.00	5907	64.20	106	75.00	4679
39.95	84	51.95	353	64.90	211	76.00	4055
40.80	73	54.90	143	65.15	165	77.15	670
43.00	57	55.05	312	67.00	274	77.50	90
44.00	1140	55.95	1905	68.00	8736	77.90	291
44.95	1135	57.05	2857	69.00	9774	78.85	3688
47.00	1026	59.95	982	70.05	688	79.90	1116
47.80	201	61.00	5169	71.90	197	80.90	3847

Average of 12.823 to 12.835 min.: VN088086.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
81.85	771	96.95	132	118.90	541	142.95	1028
82.80	60	103.90	575	127.85	141	145.80	59
86.95	3369	105.00	59	128.80	69	146.00	50
87.95	3649	105.80	219	129.90	436	148.90	66
88.60	136	106.00	386	130.90	71	153.90	55
90.95	558	107.00	78	133.00	123	154.85	166
92.05	2424	114.95	195	134.65	205	157.15	150
93.00	4025	115.95	424	135.00	52	171.90	167
94.00	10466	116.70	125	136.85	208	172.05	248
95.00	83443	116.95	509	140.95	976	172.75	333
96.00	5212	117.95	428	141.80	64	173.10	326

Average of 12.823 to 12.835 min.: VN088086.D\data.ms

BFB

Modified:subtracted

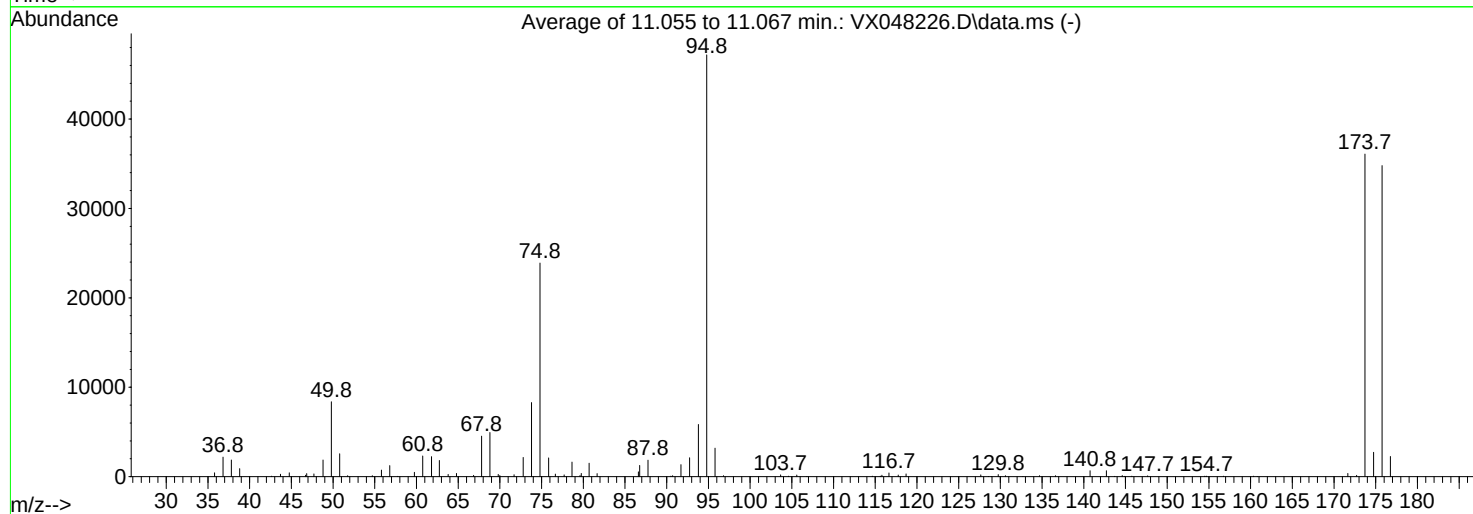
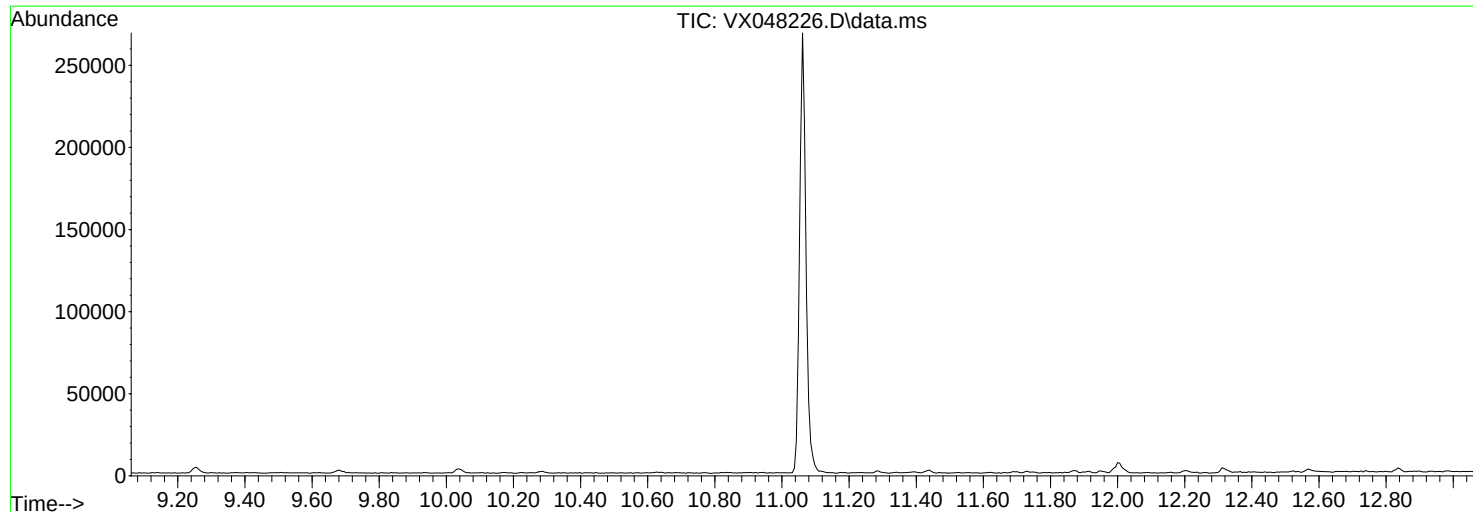
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
174.00	55227						
174.95	4416						
176.00	54195						
177.00	3474						
281.05	120						

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
Data File : VX048226.D
Acq On : 20 Oct 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\82X102025W.M
Title : SW846 8260
Last Update : Mon Oct 20 14:13:59 2025



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

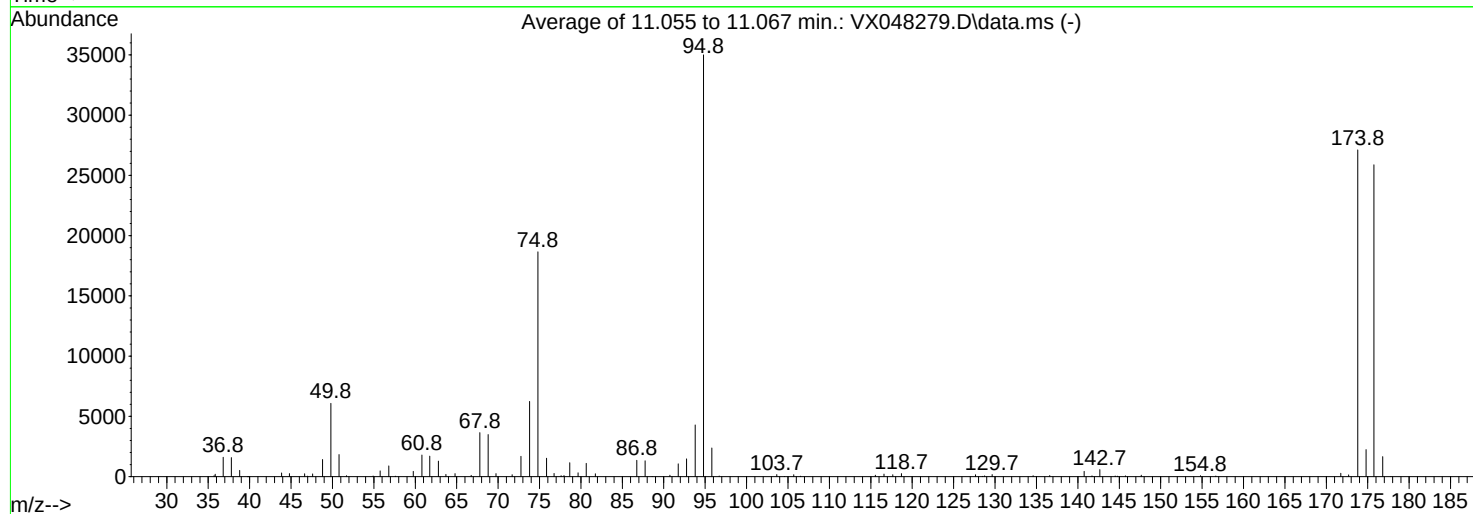
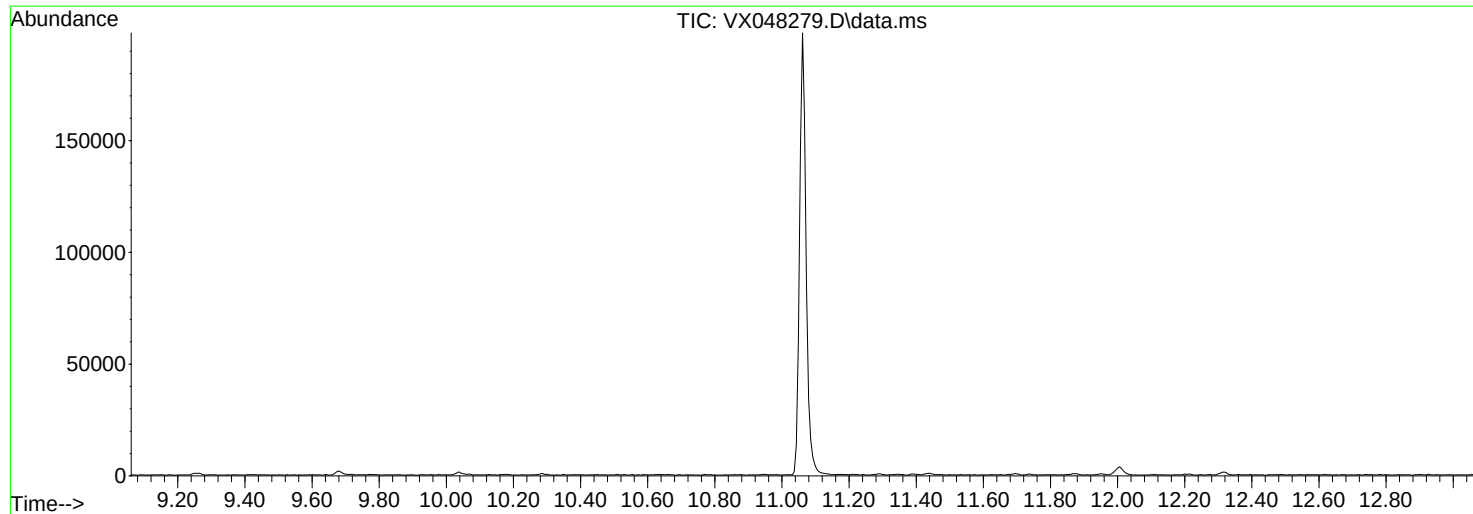
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	17.7	8374	PASS
75	95	30	60	50.7	23901	PASS
95	95	100	100	100.0	47184	PASS
96	95	5	9	6.8	3185	PASS
173	174	0.00	2	0.4	138	PASS
174	95	50	100	76.5	36091	PASS
175	174	5	9	7.5	2719	PASS
176	174	95	101	96.4	34800	PASS
177	176	5	9	6.5	2253	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
Data File : VX048279.D
Acq On : 22 Oct 2025 08:07
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\82X102025W.M
Title : SW846 8260
Last Update : Mon Oct 20 14:13:59 2025



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

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	17.4	6085	PASS
75	95	30	60	53.3	18653	PASS
95	95	100	100	100.0	35005	PASS
96	95	5	9	6.8	2374	PASS
173	174	0.00	2	0.5	144	PASS
174	95	50	100	77.5	27120	PASS
175	174	5	9	8.3	2250	PASS
176	174	95	101	95.4	25885	PASS
177	176	5	9	6.4	1654	PASS

Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: VN1024WBL01
 Lab Sample ID: VN1024WBL01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3373
 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	10/24/25 13:22	VN102425
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	10/24/25 13:22	VN102425
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	10/24/25 13:22	VN102425
141-78-6	Ethyl Acetate	0.31	U	1	0.31	1.00	ug/L	10/24/25 13:22	VN102425
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	10/24/25 13:22	VN102425
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	10/24/25 13:22	VN102425
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	10/24/25 13:22	VN102425
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	10/24/25 13:22	VN102425
75-65-0	Tert butyl alcohol	5.50	U	1	5.50	25.0	ug/L	10/24/25 13:22	VN102425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/24/25 13:22	VN102425
107-02-8	Acrolein	7.10	U	1	7.10	25.0	ug/L	10/24/25 13:22	VN102425
107-13-1	Acrylonitrile	0.83	U	1	0.83	5.00	ug/L	10/24/25 13:22	VN102425
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	10/24/25 13:22	VN102425
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	10/24/25 13:22	VN102425
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	10/24/25 13:22	VN102425
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	10/24/25 13:22	VN102425
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	10/24/25 13:22	VN102425
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/24/25 13:22	VN102425
108-05-4	Vinyl Acetate	0.66	U	1	0.66	5.00	ug/L	10/24/25 13:22	VN102425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	10/24/25 13:22	VN102425
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	10/24/25 13:22	VN102425
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	10/24/25 13:22	VN102425
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	10/24/25 13:22	VN102425
594-20-7	2,2-Dichloropropane	0.21	U	1	0.21	1.00	ug/L	10/24/25 13:22	VN102425
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	10/24/25 13:22	VN102425
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	10/24/25 13:22	VN102425
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	10/24/25 13:22	VN102425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	10/24/25 13:22	VN102425
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	10/24/25 13:22	VN102425
563-58-6	1,1-Dichloropropene	0.15	U	1	0.15	1.00	ug/L	10/24/25 13:22	VN102425
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	10/24/25 13:22	VN102425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	10/24/25 13:22	VN102425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	10/24/25 13:22	VN102425
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	10/24/25 13:22	VN102425
74-95-3	Dibromomethane	0.25	U	1	0.25	1.00	ug/L	10/24/25 13:22	VN102425
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	10/24/25 13:22	VN102425
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	10/24/25 13:22	VN102425
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	10/24/25 13:22	VN102425
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	10/24/25 13:22	VN102425
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	10/24/25 13:22	VN102425
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	10/24/25 13:22	VN102425
142-28-9	1,3-Dichloropropane	0.19	U	1	0.19	1.00	ug/L	10/24/25 13:22	VN102425
110-75-8	2-Chloroethyl Vinyl ether	0.30	U	1	0.30	5.00	ug/L	10/24/25 13:22	VN102425

Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: VN1024WBL01
 Lab Sample ID: VN1024WBL01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3373
 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	10/24/25 13:22	VN102425
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	10/24/25 13:22	VN102425
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	10/24/25 13:22	VN102425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	10/24/25 13:22	VN102425
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	10/24/25 13:22	VN102425
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	1	0.19	1.00	ug/L	10/24/25 13:22	VN102425
67-72-1	Hexachloroethane	0.32	U	1	0.32	1.00	ug/L	10/24/25 13:22	VN102425
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	10/24/25 13:22	VN102425
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	10/24/25 13:22	VN102425
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	10/24/25 13:22	VN102425
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	10/24/25 13:22	VN102425
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	10/24/25 13:22	VN102425
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	10/24/25 13:22	VN102425
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	10/24/25 13:22	VN102425
96-18-4	1,2,3-Trichloropropane	0.35	U	1	0.35	1.00	ug/L	10/24/25 13:22	VN102425
108-86-1	Bromobenzene	0.24	U	1	0.24	1.00	ug/L	10/24/25 13:22	VN102425
103-65-1	n-propylbenzene	0.13	U	1	0.13	1.00	ug/L	10/24/25 13:22	VN102425
95-49-8	2-Chlorotoluene	0.14	U	1	0.14	1.00	ug/L	10/24/25 13:22	VN102425
108-67-8	1,3,5-Trimethylbenzene	0.15	U	1	0.15	1.00	ug/L	10/24/25 13:22	VN102425
106-43-4	4-Chlorotoluene	0.13	U	1	0.13	1.00	ug/L	10/24/25 13:22	VN102425
98-06-6	tert-Butylbenzene	0.14	U	1	0.14	1.00	ug/L	10/24/25 13:22	VN102425
95-63-6	1,2,4-Trimethylbenzene	0.14	U	1	0.14	1.00	ug/L	10/24/25 13:22	VN102425
135-98-8	sec-Butylbenzene	0.13	U	1	0.13	1.00	ug/L	10/24/25 13:22	VN102425
99-87-6	p-Isopropyltoluene	0.13	U	1	0.13	1.00	ug/L	10/24/25 13:22	VN102425
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/24/25 13:22	VN102425
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	10/24/25 13:22	VN102425
104-51-8	n-Butylbenzene	0.15	U	1	0.15	1.00	ug/L	10/24/25 13:22	VN102425
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/24/25 13:22	VN102425
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	10/24/25 13:22	VN102425
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/24/25 13:22	VN102425
87-68-3	Hexachlorobutadiene	0.30	U	1	0.30	1.00	ug/L	10/24/25 13:22	VN102425
91-20-3	Naphthalene	0.20	U	1	0.20	1.00	ug/L	10/24/25 13:22	VN102425
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/24/25 13:22	VN102425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	59.6		74 - 125	119%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	48.9		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.2		77 - 121	104%	SPK: 50

INTERNAL STANDARDS**Area Count**

363-72-4	Pentafluorobenzene	217000
540-36-3	1,4-Difluorobenzene	492000
3114-55-4	Chlorobenzene-d5	455000
3855-82-1	1,4-Dichlorobenzene-d4	221000



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: VN1024WBL01

Lab Sample ID: VN1024WBL01

Analytical Method: 8260D

Sample Wt/Vol: 5 mL

Level: LOW

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3373

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\VN102425\
 Data File : VN088089.D
 Acq On : 24 Oct 2025 13:22
 Operator : JC\MD
 Sample : VN1024WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBL01

Quant Time: Oct 25 01:02:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	216989	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	492274	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	454718	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	221253	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	223607	59.594	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	119.180%
35) Dibromofluoromethane	8.147	113	170936	51.687	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.380%
50) Toluene-d8	10.547	98	622807	48.875	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.740%
62) 4-Bromofluorobenzene	12.829	95	234859	52.187	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.380%

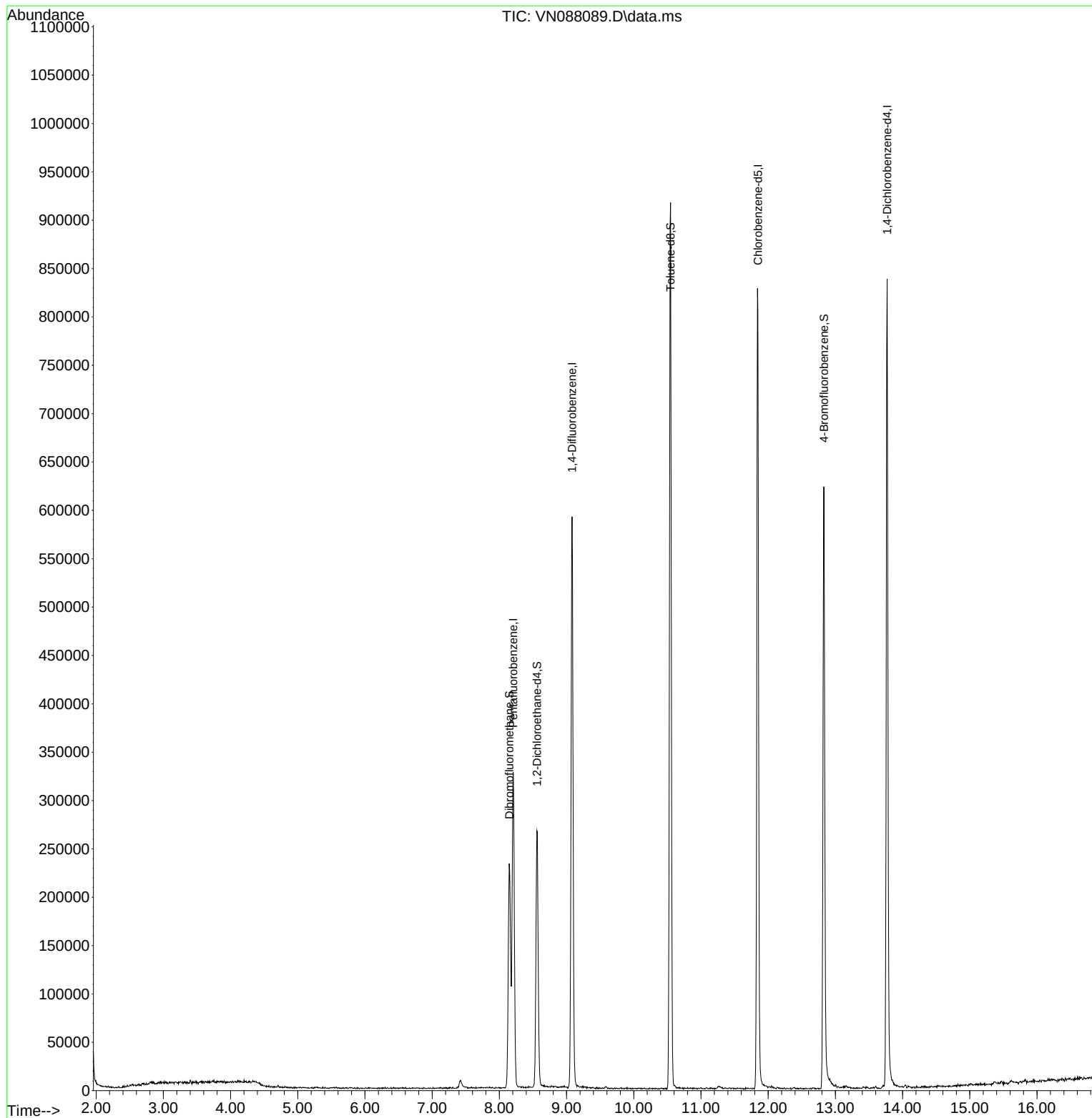
Target Compounds	Qvalue

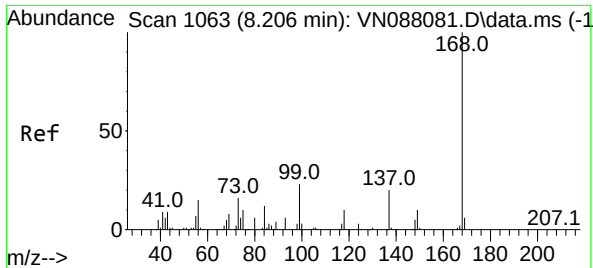
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
Data File : VN088089.D
Acq On : 24 Oct 2025 13:22
Operator : JC\MD
Sample : VN1024WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBL01

Quant Time: Oct 25 01:02:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

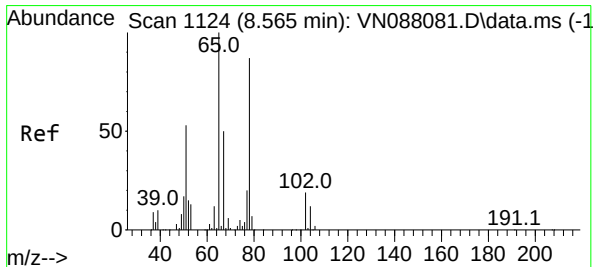
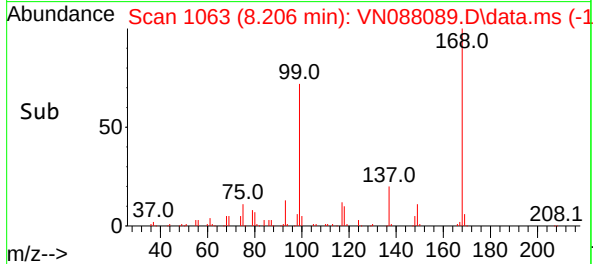
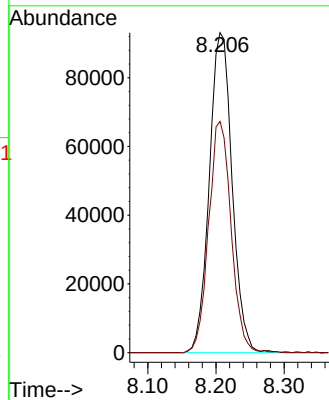
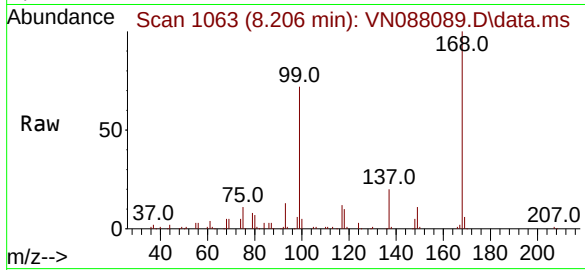




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088089.D
Acq: 24 Oct 2025 13:22

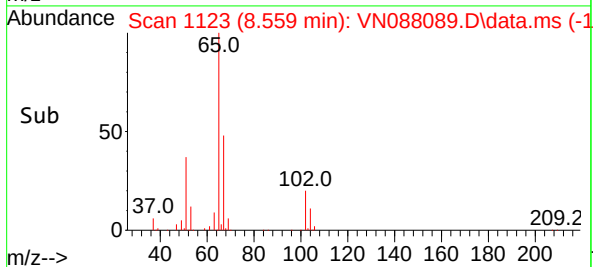
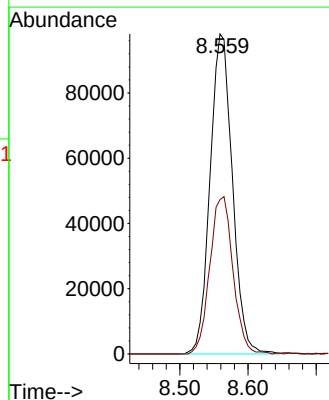
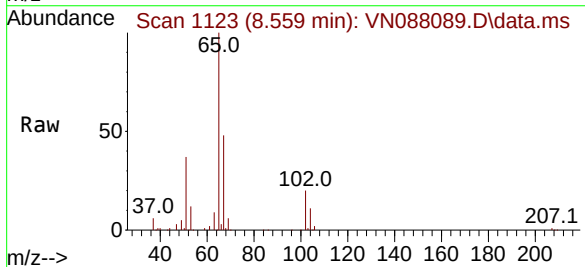
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBL01

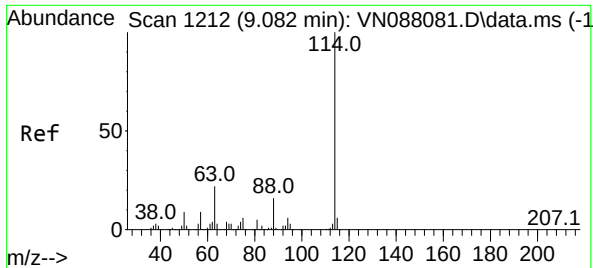
Tgt Ion:168 Resp: 216989
Ion Ratio Lower Upper
168 100
99 72.2 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 59.594 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088089.D
Acq: 24 Oct 2025 13:22

Tgt Ion: 65 Resp: 223607
Ion Ratio Lower Upper
65 100
67 51.0 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN088089.D

Acq: 24 Oct 2025 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBL01

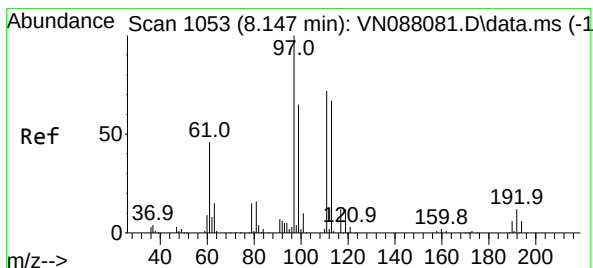
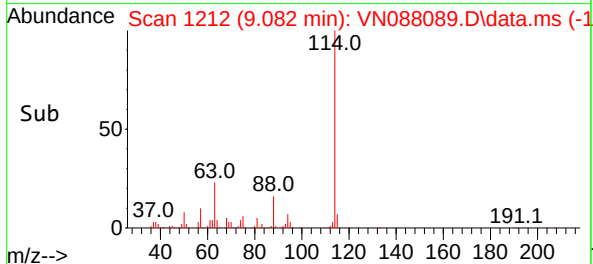
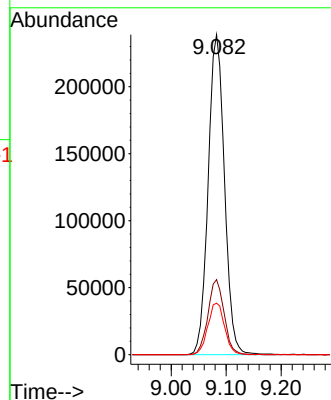
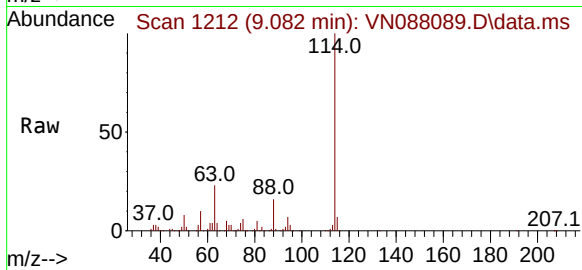
Tgt Ion:114 Resp: 492274

Ion Ratio Lower Upper

114 100

63 23.4 0.0 45.2

88 16.1 0.0 33.4



#35

Dibromofluoromethane

Concen: 51.687 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088089.D

Acq: 24 Oct 2025 13:22

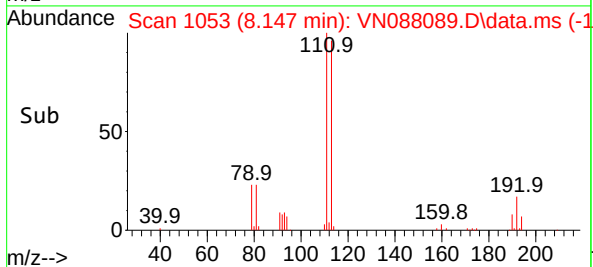
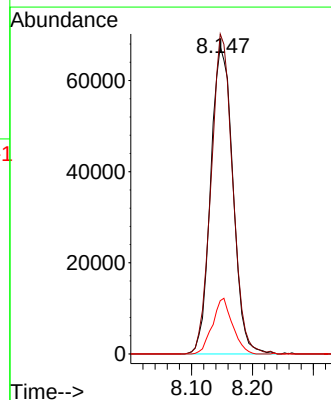
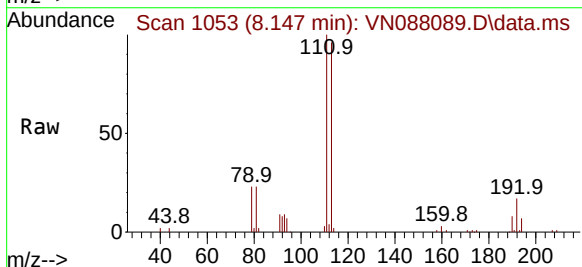
Tgt Ion:113 Resp: 170936

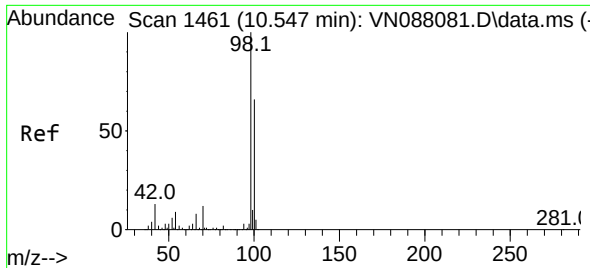
Ion Ratio Lower Upper

113 100

111 101.1 82.8 124.2

192 16.3 12.8 19.2

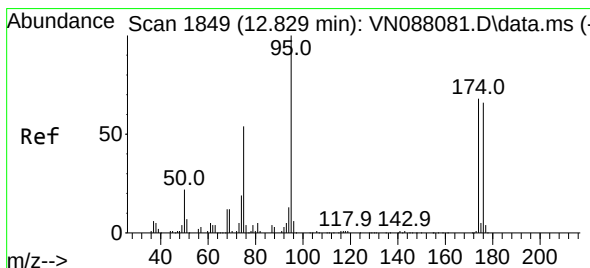
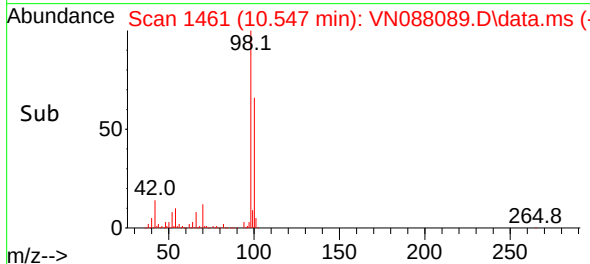
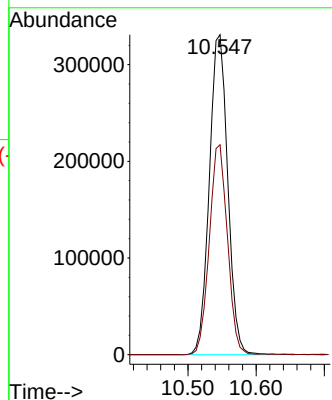
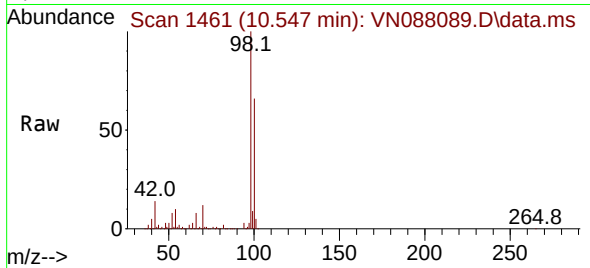




#50
Toluene-d8
Concen: 48.875 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088089.D
Acq: 24 Oct 2025 13:22

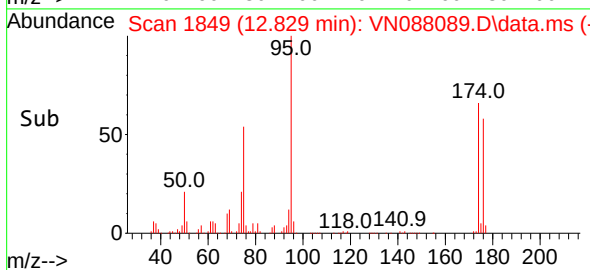
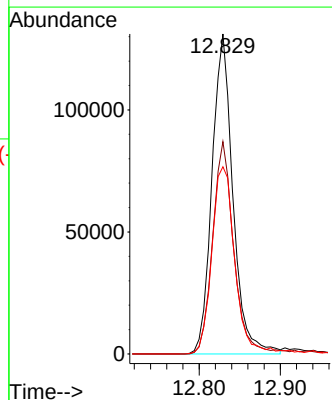
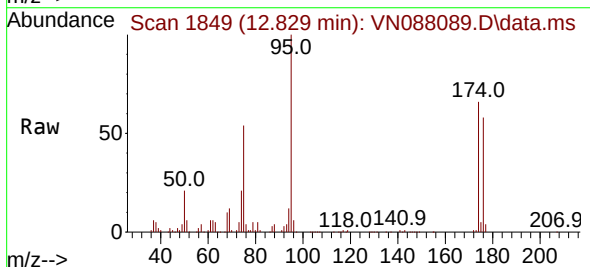
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBL01

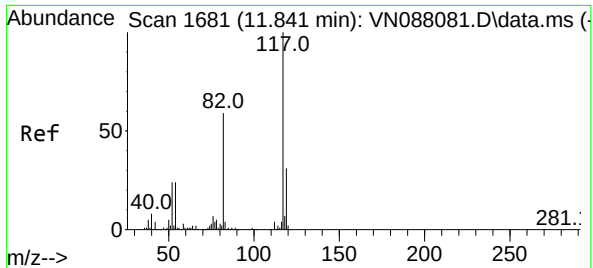
Tgt Ion: 98 Resp: 622807
Ion Ratio Lower Upper
98 100
100 64.6 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 52.187 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088089.D
Acq: 24 Oct 2025 13:22

Tgt Ion: 95 Resp: 234859
Ion Ratio Lower Upper
95 100
174 67.0 0.0 138.4
176 65.0 0.0 132.6

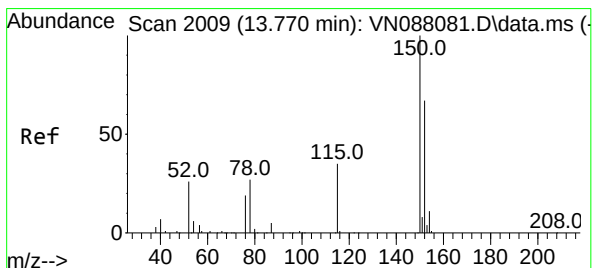
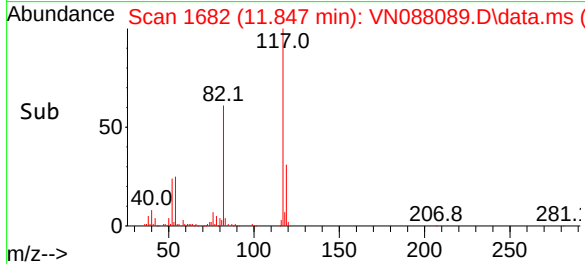
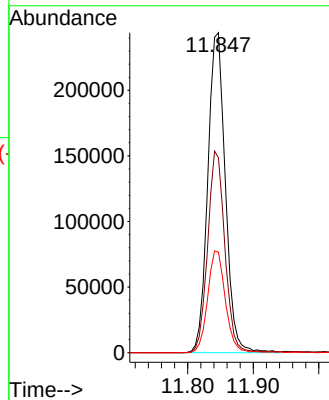
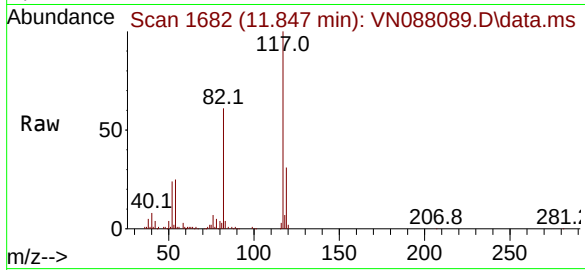




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN088089.D
Acq: 24 Oct 2025 13:22

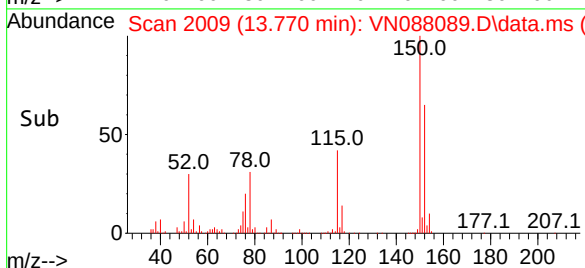
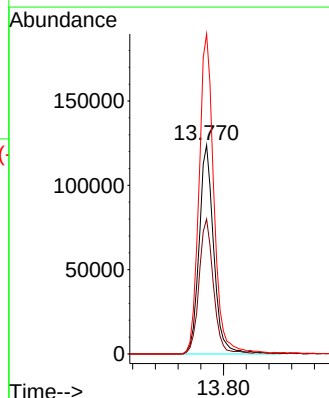
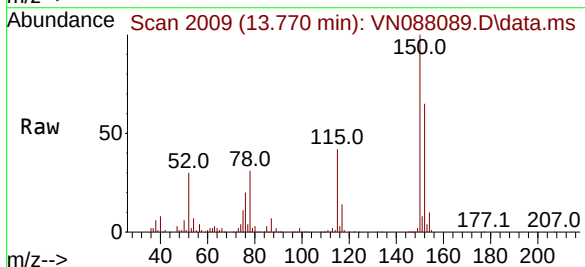
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBL01

Tgt Ion:117 Resp: 454718
Ion Ratio Lower Upper
117 100
82 60.9 47.4 71.2
119 31.4 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: VN088089.D
Acq: 24 Oct 2025 13:22

Tgt Ion:152 Resp: 221253
Ion Ratio Lower Upper
152 100
115 63.7 32.3 96.8
150 155.8 0.0 351.0



Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: VX1022WBL01
 Lab Sample ID: VX1022WBL01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3373
 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	10/22/25 09:26	VX102225
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	10/22/25 09:26	VX102225
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	10/22/25 09:26	VX102225
141-78-6	Ethyl Acetate	0.31	U	1	0.31	1.00	ug/L	10/22/25 09:26	VX102225
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	10/22/25 09:26	VX102225
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	10/22/25 09:26	VX102225
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	10/22/25 09:26	VX102225
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	10/22/25 09:26	VX102225
75-65-0	Tert butyl alcohol	5.50	U	1	5.50	25.0	ug/L	10/22/25 09:26	VX102225
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/22/25 09:26	VX102225
107-02-8	Acrolein	7.10	U	1	7.10	25.0	ug/L	10/22/25 09:26	VX102225
107-13-1	Acrylonitrile	0.83	U	1	0.83	5.00	ug/L	10/22/25 09:26	VX102225
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	10/22/25 09:26	VX102225
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	10/22/25 09:26	VX102225
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	10/22/25 09:26	VX102225
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	10/22/25 09:26	VX102225
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	10/22/25 09:26	VX102225
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/22/25 09:26	VX102225
108-05-4	Vinyl Acetate	0.66	U	1	0.66	5.00	ug/L	10/22/25 09:26	VX102225
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	10/22/25 09:26	VX102225
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	10/22/25 09:26	VX102225
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	10/22/25 09:26	VX102225
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	10/22/25 09:26	VX102225
594-20-7	2,2-Dichloropropane	0.21	U	1	0.21	1.00	ug/L	10/22/25 09:26	VX102225
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	10/22/25 09:26	VX102225
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	10/22/25 09:26	VX102225
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	10/22/25 09:26	VX102225
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	10/22/25 09:26	VX102225
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	10/22/25 09:26	VX102225
563-58-6	1,1-Dichloropropene	0.15	U	1	0.15	1.00	ug/L	10/22/25 09:26	VX102225
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	10/22/25 09:26	VX102225
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	10/22/25 09:26	VX102225
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	10/22/25 09:26	VX102225
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	10/22/25 09:26	VX102225
74-95-3	Dibromomethane	0.25	U	1	0.25	1.00	ug/L	10/22/25 09:26	VX102225
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	10/22/25 09:26	VX102225
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	10/22/25 09:26	VX102225
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	10/22/25 09:26	VX102225
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	10/22/25 09:26	VX102225
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	10/22/25 09:26	VX102225
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	10/22/25 09:26	VX102225
142-28-9	1,3-Dichloropropane	0.19	U	1	0.19	1.00	ug/L	10/22/25 09:26	VX102225
110-75-8	2-Chloroethyl Vinyl ether	0.30	U	1	0.30	5.00	ug/L	10/22/25 09:26	VX102225



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: VX1022WBL01
Lab Sample ID: VX1022WBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3373
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	10/22/25 09:26	VX102225
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	10/22/25 09:26	VX102225
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	10/22/25 09:26	VX102225
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	10/22/25 09:26	VX102225
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	10/22/25 09:26	VX102225
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	1	0.19	1.00	ug/L	10/22/25 09:26	VX102225
67-72-1	Hexachloroethane	0.32	U	1	0.32	1.00	ug/L	10/22/25 09:26	VX102225
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	10/22/25 09:26	VX102225
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	10/22/25 09:26	VX102225
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	10/22/25 09:26	VX102225
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	10/22/25 09:26	VX102225
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	10/22/25 09:26	VX102225
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	10/22/25 09:26	VX102225
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	10/22/25 09:26	VX102225
96-18-4	1,2,3-Trichloropropane	0.35	U	1	0.35	1.00	ug/L	10/22/25 09:26	VX102225
108-86-1	Bromobenzene	0.24	U	1	0.24	1.00	ug/L	10/22/25 09:26	VX102225
103-65-1	n-propylbenzene	0.13	U	1	0.13	1.00	ug/L	10/22/25 09:26	VX102225
95-49-8	2-Chlorotoluene	0.14	U	1	0.14	1.00	ug/L	10/22/25 09:26	VX102225
108-67-8	1,3,5-Trimethylbenzene	0.15	U	1	0.15	1.00	ug/L	10/22/25 09:26	VX102225
106-43-4	4-Chlorotoluene	0.13	U	1	0.13	1.00	ug/L	10/22/25 09:26	VX102225
98-06-6	tert-Butylbenzene	0.14	U	1	0.14	1.00	ug/L	10/22/25 09:26	VX102225
95-63-6	1,2,4-Trimethylbenzene	0.14	U	1	0.14	1.00	ug/L	10/22/25 09:26	VX102225
135-98-8	sec-Butylbenzene	0.13	U	1	0.13	1.00	ug/L	10/22/25 09:26	VX102225
99-87-6	p-Isopropyltoluene	0.13	U	1	0.13	1.00	ug/L	10/22/25 09:26	VX102225
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/22/25 09:26	VX102225
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	10/22/25 09:26	VX102225
104-51-8	n-Butylbenzene	0.15	U	1	0.15	1.00	ug/L	10/22/25 09:26	VX102225
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/22/25 09:26	VX102225
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	10/22/25 09:26	VX102225
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/22/25 09:26	VX102225
87-68-3	Hexachlorobutadiene	0.30	U	1	0.30	1.00	ug/L	10/22/25 09:26	VX102225
91-20-3	Naphthalene	0.20	U	1	0.20	1.00	ug/L	10/22/25 09:26	VX102225
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/22/25 09:26	VX102225

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	50.7		74 - 125	101%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		75 - 124	98%	SPK: 50
2037-26-5	Toluene-d8	47.7		86 - 113	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.5		77 - 121	109%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	97900
540-36-3	1,4-Difluorobenzene	185000
3114-55-4	Chlorobenzene-d5	199000
3855-82-1	1,4-Dichlorobenzene-d4	99800



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: VX1022WBL01

Lab Sample ID: VX1022WBL01

Analytical Method: 8260D

Sample Wt/Vol: 5 mL

Level: LOW

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3373

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\VX102225\
 Data File : VX048282.D
 Acq On : 22 Oct 2025 09:26
 Operator : JC/MD
 Sample : VX1022WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBL01

Quant Time: Oct 24 05:50:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	97887	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	185129	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	199062	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	99844	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	69611	50.720	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.440%
35) Dibromofluoromethane	5.373	113	62055	49.099	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.200%
50) Toluene-d8	8.635	98	211132	47.660	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.320%
62) 4-Bromofluorobenzene	11.061	95	91904	54.533	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	109.060%

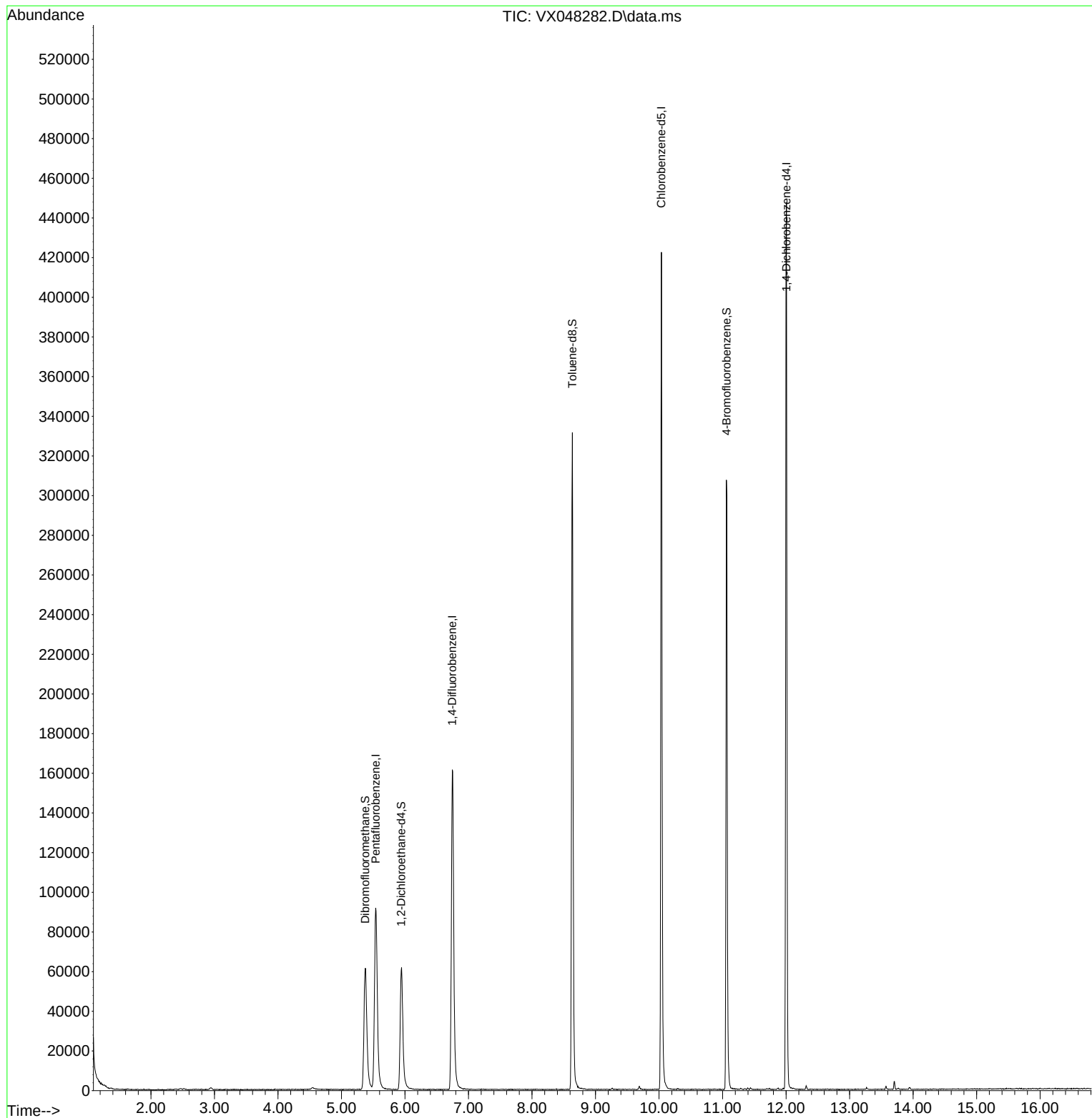
Target Compounds	Qvalue

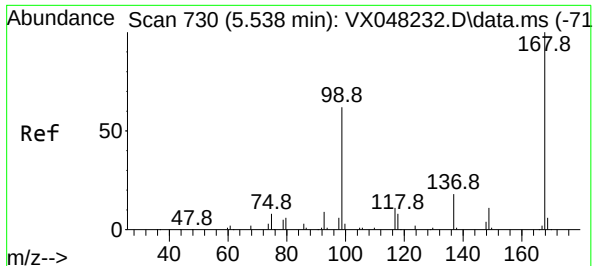
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
Data File : VX048282.D
Acq On : 22 Oct 2025 09:26
Operator : JC/MD
Sample : VX1022WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBL01

Quant Time: Oct 24 05:50:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

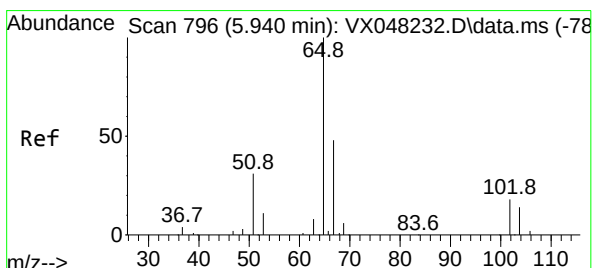
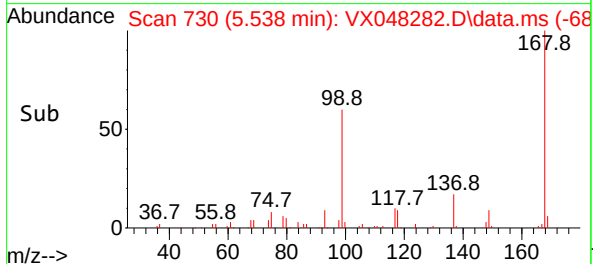
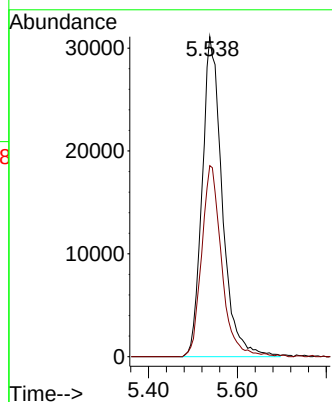
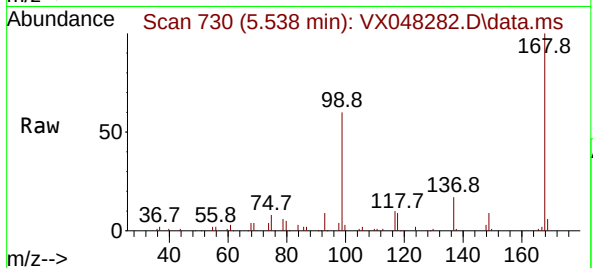




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX048282.D
Acq: 22 Oct 2025 09:26

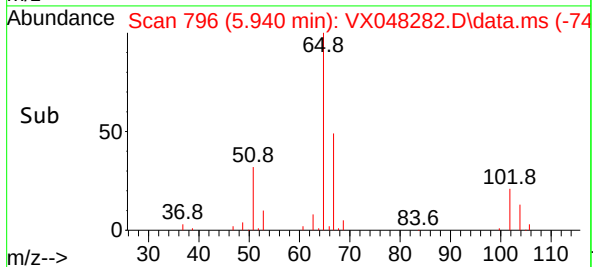
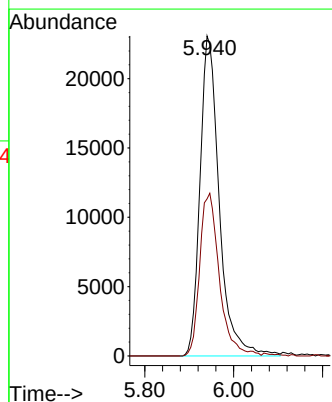
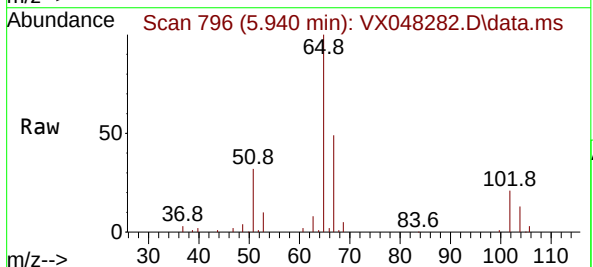
Instrument :
MSVOA_X
ClientSampleId :
VX1022WBL01

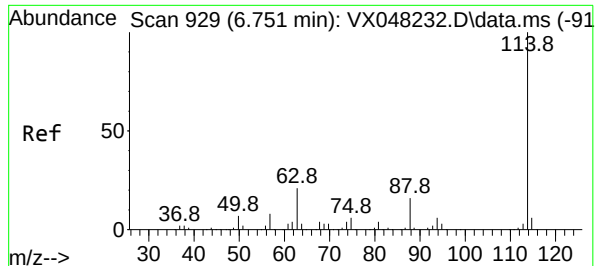
Tgt Ion:168 Resp: 97887
Ion Ratio Lower Upper
168 100
99 59.7 46.4 69.6



#33
1,2-Dichloroethane-d4
Concen: 50.720 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048282.D
Acq: 22 Oct 2025 09:26

Tgt Ion: 65 Resp: 69611
Ion Ratio Lower Upper
65 100
67 51.8 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX048282.D

Acq: 22 Oct 2025 09:26

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBL01

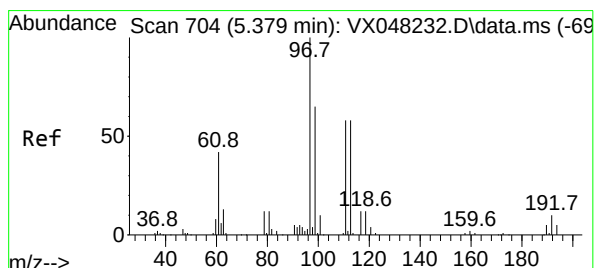
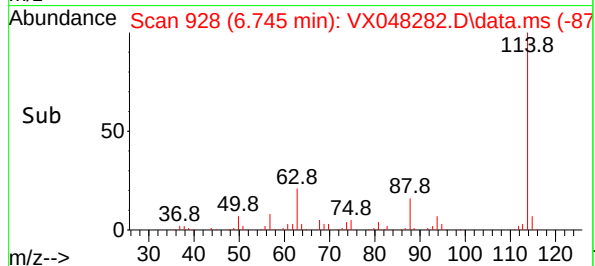
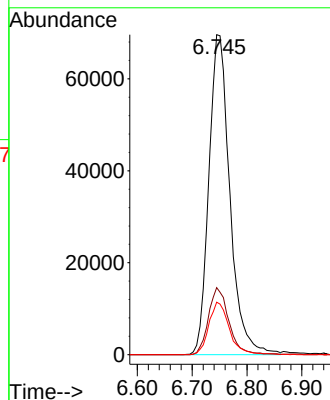
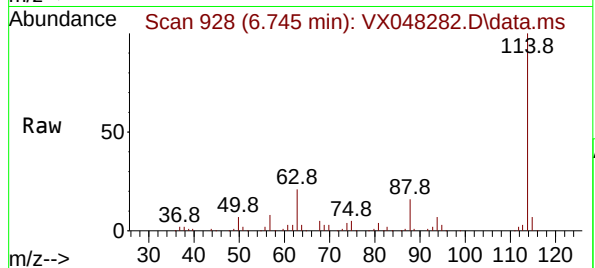
Tgt Ion:114 Resp: 185129

Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.2

88 16.4 0.0 33.6



#35

Dibromofluoromethane

Concen: 49.099 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048282.D

Acq: 22 Oct 2025 09:26

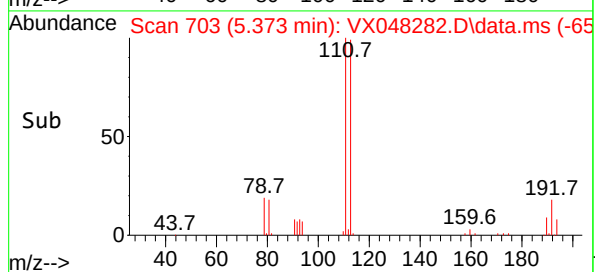
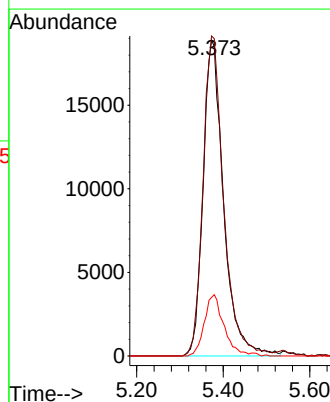
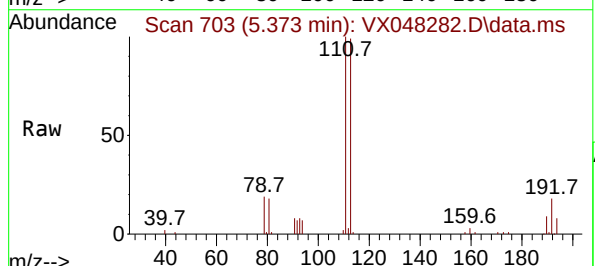
Tgt Ion:113 Resp: 62055

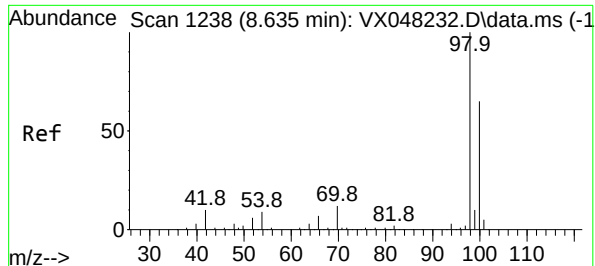
Ion Ratio Lower Upper

113 100

111 101.9 82.2 123.4

192 18.4 15.1 22.7





#50

Toluene-d8

Concen: 47.660 ug/l

RT: 8.635 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048282.D

Acq: 22 Oct 2025 09:26

Instrument :

MSVOA_X

ClientSampleId :

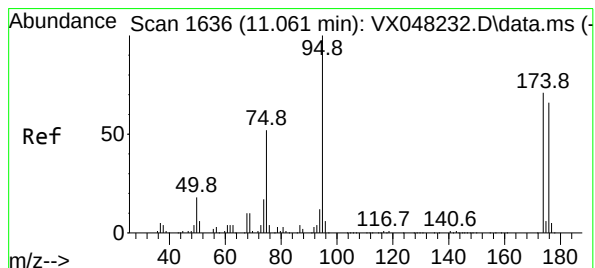
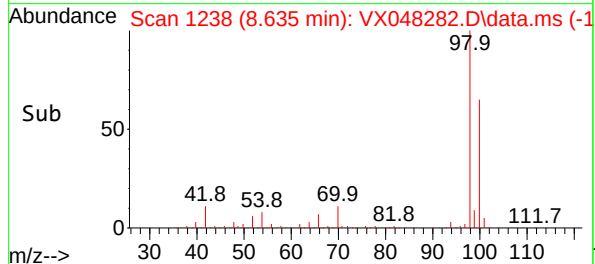
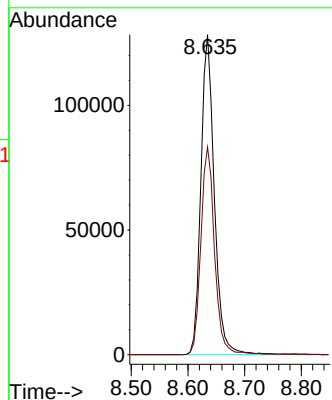
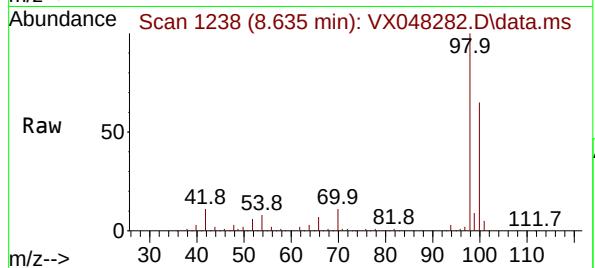
VX1022WBL01

Tgt Ion: 98 Resp: 211132

Ion Ratio Lower Upper

98 100

100 66.3 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 54.533 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX048282.D

Acq: 22 Oct 2025 09:26

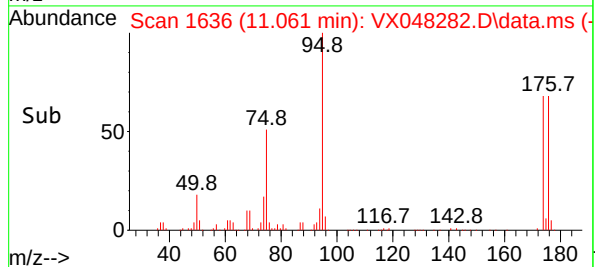
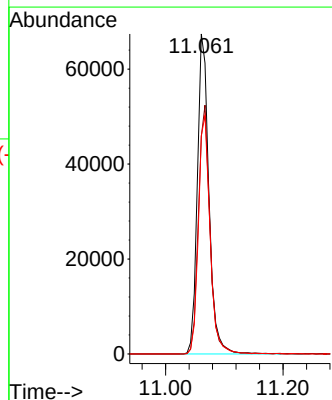
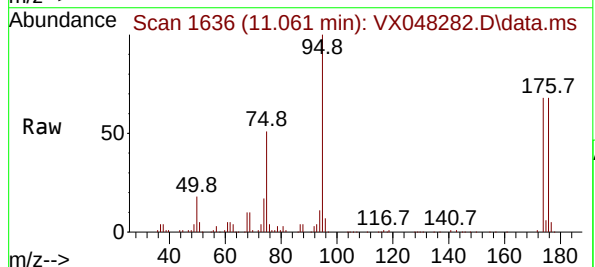
Tgt Ion: 95 Resp: 91904

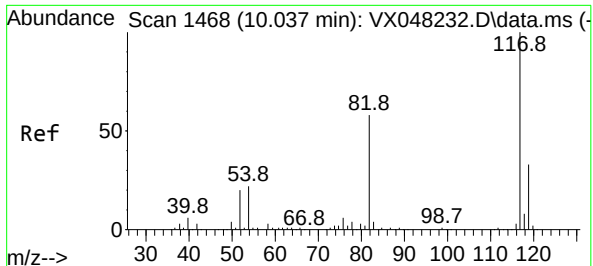
Ion Ratio Lower Upper

95 100

174 77.8 0.0 147.8

176 75.2 0.0 142.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048282.D

Acq: 22 Oct 2025 09:26

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBL01

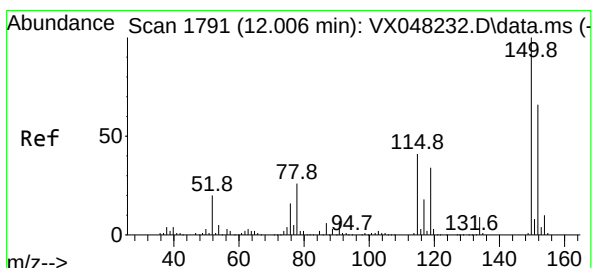
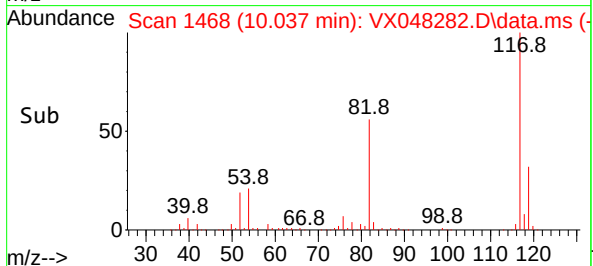
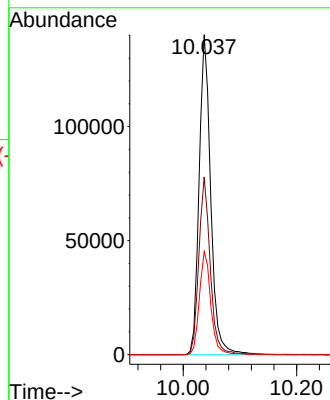
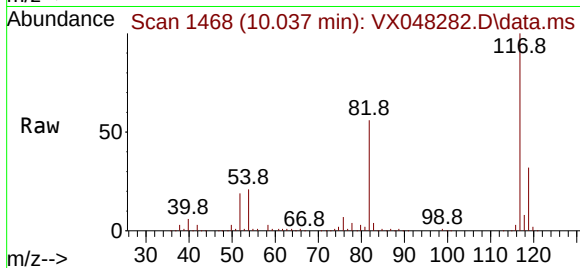
Tgt Ion:117 Resp: 199062

Ion Ratio Lower Upper

117 100

82 55.6 46.5 69.7

119 32.2 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048282.D

Acq: 22 Oct 2025 09:26

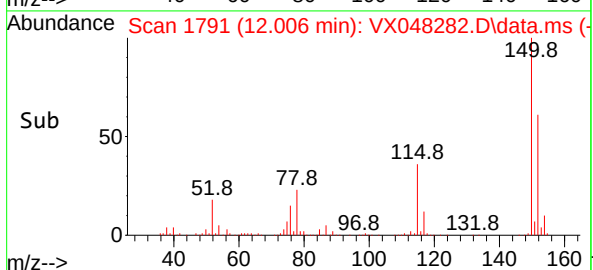
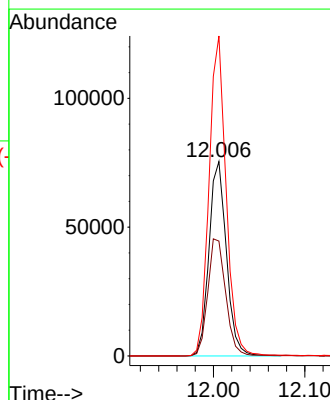
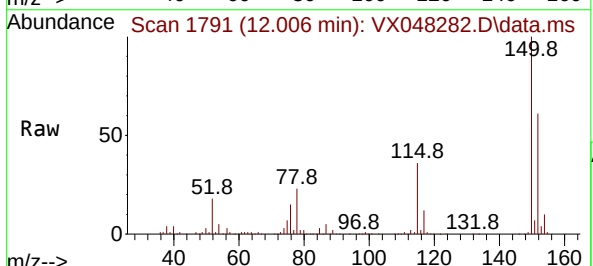
Tgt Ion:152 Resp: 99844

Ion Ratio Lower Upper

152 100

115 62.1 43.1 129.4

150 160.7 0.0 353.0



Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: VN1024WBS01
 Lab Sample ID: VN1024WBS01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3373
 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	19.8		1	0.22	1.00	ug/L	10/24/25 13:43	VN102425
74-87-3	Chloromethane	19.1		1	0.32	1.00	ug/L	10/24/25 13:43	VN102425
75-01-4	Vinyl Chloride	19.2		1	0.26	1.00	ug/L	10/24/25 13:43	VN102425
141-78-6	Ethyl Acetate	18.8		1	0.31	1.00	ug/L	10/24/25 13:43	VN102425
74-83-9	Bromomethane	17.4		1	1.40	5.00	ug/L	10/24/25 13:43	VN102425
75-00-3	Chloroethane	17.3		1	0.47	1.00	ug/L	10/24/25 13:43	VN102425
75-69-4	Trichlorofluoromethane	17.7		1	0.33	1.00	ug/L	10/24/25 13:43	VN102425
76-13-1	1,1,2-Trichlorotrifluoroethane	18.8		1	0.25	1.00	ug/L	10/24/25 13:43	VN102425
75-65-0	Tert butyl alcohol	100		1	5.50	25.0	ug/L	10/24/25 13:43	VN102425
75-35-4	1,1-Dichloroethene	17.4		1	0.23	1.00	ug/L	10/24/25 13:43	VN102425
107-02-8	Acrolein	96.2		1	7.10	25.0	ug/L	10/24/25 13:43	VN102425
107-13-1	Acrylonitrile	96.7		1	0.83	5.00	ug/L	10/24/25 13:43	VN102425
67-64-1	Acetone	86.5		1	1.50	5.00	ug/L	10/24/25 13:43	VN102425
75-15-0	Carbon Disulfide	18.8		1	0.21	1.00	ug/L	10/24/25 13:43	VN102425
1634-04-4	Methyl tert-butyl Ether	19.1		1	0.16	1.00	ug/L	10/24/25 13:43	VN102425
79-20-9	Methyl Acetate	19.8		1	0.27	1.00	ug/L	10/24/25 13:43	VN102425
75-09-2	Methylene Chloride	20.4		1	0.28	1.00	ug/L	10/24/25 13:43	VN102425
156-60-5	trans-1,2-Dichloroethene	17.9		1	0.23	1.00	ug/L	10/24/25 13:43	VN102425
108-05-4	Vinyl Acetate	99.5		1	0.66	5.00	ug/L	10/24/25 13:43	VN102425
75-34-3	1,1-Dichloroethane	19.8		1	0.23	1.00	ug/L	10/24/25 13:43	VN102425
110-82-7	Cyclohexane	19.4		1	1.50	5.00	ug/L	10/24/25 13:43	VN102425
78-93-3	2-Butanone	98.7		1	0.98	5.00	ug/L	10/24/25 13:43	VN102425
56-23-5	Carbon Tetrachloride	20.4		1	0.25	1.00	ug/L	10/24/25 13:43	VN102425
594-20-7	2,2-Dichloropropane	19.1		1	0.21	1.00	ug/L	10/24/25 13:43	VN102425
156-59-2	cis-1,2-Dichloroethene	18.7		1	0.19	1.00	ug/L	10/24/25 13:43	VN102425
74-97-5	Bromochloromethane	21.8		1	0.22	1.00	ug/L	10/24/25 13:43	VN102425
67-66-3	Chloroform	19.7		1	0.25	1.00	ug/L	10/24/25 13:43	VN102425
71-55-6	1,1,1-Trichloroethane	19.3		1	0.20	1.00	ug/L	10/24/25 13:43	VN102425
108-87-2	Methylcyclohexane	18.9		1	0.16	1.00	ug/L	10/24/25 13:43	VN102425
563-58-6	1,1-Dichloropropene	20.1		1	0.15	1.00	ug/L	10/24/25 13:43	VN102425
71-43-2	Benzene	19.6		1	0.15	1.00	ug/L	10/24/25 13:43	VN102425
107-06-2	1,2-Dichloroethane	20.7		1	0.22	1.00	ug/L	10/24/25 13:43	VN102425
79-01-6	Trichloroethene	19.5		1	0.090	1.00	ug/L	10/24/25 13:43	VN102425
78-87-5	1,2-Dichloropropane	20.0		1	0.20	1.00	ug/L	10/24/25 13:43	VN102425
74-95-3	Dibromomethane	20.3		1	0.25	1.00	ug/L	10/24/25 13:43	VN102425
75-27-4	Bromodichloromethane	20.3		1	0.22	1.00	ug/L	10/24/25 13:43	VN102425
108-10-1	4-Methyl-2-Pentanone	100		1	0.68	5.00	ug/L	10/24/25 13:43	VN102425
108-88-3	Toluene	19.9		1	0.14	1.00	ug/L	10/24/25 13:43	VN102425
10061-02-6	t-1,3-Dichloropropene	19.7		1	0.17	1.00	ug/L	10/24/25 13:43	VN102425
10061-01-5	cis-1,3-Dichloropropene	19.6		1	0.16	1.00	ug/L	10/24/25 13:43	VN102425
79-00-5	1,1,2-Trichloroethane	19.5		1	0.21	1.00	ug/L	10/24/25 13:43	VN102425
142-28-9	1,3-Dichloropropane	20.0		1	0.19	1.00	ug/L	10/24/25 13:43	VN102425
110-75-8	2-Chloroethyl Vinyl ether	96.3		1	0.30	5.00	ug/L	10/24/25 13:43	VN102425

Report of Analysis

Client: Chemtech Consulting Group
Project: Weekly Storage Blanks
Client Sample ID: VN1024WS01
Lab Sample ID: VN1024WS01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3373
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	100		1	0.89	5.00	ug/L	10/24/25 13:43	VN102425
124-48-1	Dibromochloromethane	18.8		1	0.18	1.00	ug/L	10/24/25 13:43	VN102425
106-93-4	1,2-Dibromoethane	19.1		1	0.15	1.00	ug/L	10/24/25 13:43	VN102425
127-18-4	Tetrachloroethene	19.2		1	0.23	1.00	ug/L	10/24/25 13:43	VN102425
108-90-7	Chlorobenzene	19.6		1	0.12	1.00	ug/L	10/24/25 13:43	VN102425
630-20-6	1,1,1,2-Tetrachloroethane	19.4		1	0.19	1.00	ug/L	10/24/25 13:43	VN102425
67-72-1	Hexachloroethane	18.9		1	0.32	1.00	ug/L	10/24/25 13:43	VN102425
100-41-4	Ethyl Benzene	20.0		1	0.13	1.00	ug/L	10/24/25 13:43	VN102425
179601-23-1	m/p-Xylenes	39.4		1	0.24	2.00	ug/L	10/24/25 13:43	VN102425
95-47-6	o-Xylene	19.7		1	0.12	1.00	ug/L	10/24/25 13:43	VN102425
100-42-5	Styrene	20.4		1	0.15	1.00	ug/L	10/24/25 13:43	VN102425
75-25-2	Bromoform	19.6		1	0.19	1.00	ug/L	10/24/25 13:43	VN102425
98-82-8	Isopropylbenzene	19.0		1	0.12	1.00	ug/L	10/24/25 13:43	VN102425
79-34-5	1,1,2,2-Tetrachloroethane	19.2		1	0.26	1.00	ug/L	10/24/25 13:43	VN102425
96-18-4	1,2,3-Trichloropropane	19.7		1	0.35	1.00	ug/L	10/24/25 13:43	VN102425
108-86-1	Bromobenzene	19.3		1	0.24	1.00	ug/L	10/24/25 13:43	VN102425
103-65-1	n-propylbenzene	19.3		1	0.13	1.00	ug/L	10/24/25 13:43	VN102425
95-49-8	2-Chlorotoluene	20.3		1	0.14	1.00	ug/L	10/24/25 13:43	VN102425
108-67-8	1,3,5-Trimethylbenzene	19.7		1	0.15	1.00	ug/L	10/24/25 13:43	VN102425
106-43-4	4-Chlorotoluene	19.2		1	0.13	1.00	ug/L	10/24/25 13:43	VN102425
98-06-6	tert-Butylbenzene	19.2		1	0.14	1.00	ug/L	10/24/25 13:43	VN102425
95-63-6	1,2,4-Trimethylbenzene	19.7		1	0.14	1.00	ug/L	10/24/25 13:43	VN102425
135-98-8	sec-Butylbenzene	19.3		1	0.13	1.00	ug/L	10/24/25 13:43	VN102425
99-87-6	p-Isopropyltoluene	19.8		1	0.13	1.00	ug/L	10/24/25 13:43	VN102425
541-73-1	1,3-Dichlorobenzene	19.3		1	0.16	1.00	ug/L	10/24/25 13:43	VN102425
106-46-7	1,4-Dichlorobenzene	18.7		1	0.19	1.00	ug/L	10/24/25 13:43	VN102425
104-51-8	n-Butylbenzene	19.5		1	0.15	1.00	ug/L	10/24/25 13:43	VN102425
95-50-1	1,2-Dichlorobenzene	19.0		1	0.16	1.00	ug/L	10/24/25 13:43	VN102425
96-12-8	1,2-Dibromo-3-Chloropropane	19.1		1	0.53	1.00	ug/L	10/24/25 13:43	VN102425
120-82-1	1,2,4-Trichlorobenzene	18.9		1	0.20	1.00	ug/L	10/24/25 13:43	VN102425
87-68-3	Hexachlorobutadiene	20.1		1	0.30	1.00	ug/L	10/24/25 13:43	VN102425
91-20-3	Naphthalene	18.4		1	0.20	1.00	ug/L	10/24/25 13:43	VN102425
87-61-6	1,2,3-Trichlorobenzene	18.9		1	0.20	1.00	ug/L	10/24/25 13:43	VN102425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	48.6	74 - 125	97%	SPK: 50
1868-53-7	Dibromofluoromethane	46.9	75 - 124	94%	SPK: 50
2037-26-5	Toluene-d8	46.5	86 - 113	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.5	77 - 121	95%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	356000
540-36-3	1,4-Difluorobenzene	652000
3114-55-4	Chlorobenzene-d5	567000
3855-82-1	1,4-Dichlorobenzene-d4	286000



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: VN1024WBS01

Lab Sample ID: VN1024WBS01

Analytical Method: 8260D

Sample Wt/Vol: 5 mL

Level: LOW

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3373

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\VN102425\
 Data File : VN088090.D
 Acq On : 24 Oct 2025 13:43
 Operator : JC\MD
 Sample : VN1024WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/27/2025
 Supervised By :Semsettin Yesilyurt 10/27/2025

Quant Time: Oct 25 01:03:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	356256	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	651642	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	567094	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	286160	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	299119	48.555	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.120%		
35) Dibromofluoromethane	8.147	113	205213	46.876	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.760%		
50) Toluene-d8	10.547	98	784983	46.536	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.080%		
62) 4-Bromofluorobenzene	12.829	95	282981	47.502	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.000%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	79559	19.798	ug/l	97
3) Chloromethane	2.383	50	90139	19.066	ug/l	96
4) Vinyl Chloride	2.536	62	98879	19.195	ug/l	99
5) Bromomethane	2.983	94	53583	17.391	ug/l	99
6) Chloroethane	3.142	64	64074	17.264	ug/l	90
7) Trichlorofluoromethane	3.512	101	145505	17.710	ug/l	97
8) Diethyl Ether	3.953	74	54709	17.917	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	79673	18.793	ug/l	99
10) Methyl Iodide	4.583	142	68406	19.194	ug/l	97
11) Tert butyl alcohol	5.524	59	106675	100.513	ug/l	99
12) 1,1-Dichloroethene	4.336	96	77935	17.405	ug/l	94
13) Acrolein	4.177	56	114827	96.188	ug/l	100
14) Allyl chloride	5.018	41	149951	19.106	ug/l	98
15) Acrylonitrile	5.706	53	279450	96.664	ug/l	99
16) Acetone	4.424	43	267581	86.459	ug/l	93
17) Carbon Disulfide	4.706	76	255472	18.769	ug/l	98
18) Methyl Acetate	5.012	43	125263	19.770	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	313859	19.086	ug/l	98
20) Methylene Chloride	5.265	84	95982	20.390	ug/l	93
21) trans-1,2-Dichloroethene	5.777	96	88091	17.923	ug/l	97
22) Diisopropyl ether	6.659	45	324548	19.663	ug/l	98
23) Vinyl Acetate	6.589	43	1479401	99.502	ug/l	99
24) 1,1-Dichloroethane	6.553	63	181397	19.840	ug/l	97
25) 2-Butanone	7.471	43	402736	98.743	ug/l	97
26) 2,2-Dichloropropane	7.477	77	158606	19.089	ug/l	96
27) cis-1,2-Dichloroethene	7.471	96	105652	18.672	ug/l	94
28) Bromochloromethane	7.800	49	94357	21.841	ug/l	98
29) Tetrahydrofuran	7.824	42	245942	92.527	ug/l	99
30) Chloroform	7.947	83	180175	19.726	ug/l	98
31) Cyclohexane	8.236	56	167272	19.398	ug/l	91
32) 1,1,1-Trichloroethane	8.153	97	156709	19.263	ug/l	94
36) 1,1-Dichloropropene	8.353	75	128622	20.122	ug/l	100
37) Ethyl Acetate	7.547	43	155405	18.840	ug/l	98
38) Carbon Tetrachloride	8.341	117	134549	20.380	ug/l	92
39) Methylcyclohexane	9.583	83	155249	18.896	ug/l	99
40) Benzene	8.588	78	381424	19.594	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
 Data File : VN088090.D
 Acq On : 24 Oct 2025 13:43
 Operator : JC\MD
 Sample : VN1024WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/27/2025
 Supervised By :Semsettin Yesilyurt 10/27/2025

Quant Time: Oct 25 01:03:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	82287	18.954	ug/l	97
42) 1,2-Dichloroethane	8.653	62	142901	20.660	ug/l	98
43) Isopropyl Acetate	8.677	43	253601	20.008	ug/l	99
44) Trichloroethene	9.330	130	88868	19.531	ug/l	97
45) 1,2-Dichloropropane	9.600	63	98375	20.017	ug/l	94
46) Dibromomethane	9.688	93	71004	20.257	ug/l	98
47) Bromodichloromethane	9.865	83	142542	20.312	ug/l	94
48) Methyl methacrylate	9.665	41	120186	20.538	ug/l	98
49) 1,4-Dioxane	9.683	88	27675	380.241	ug/l #	89
51) 4-Methyl-2-Pentanone	10.424	43	769646	102.640	ug/l	99
52) Toluene	10.606	92	239219	19.931	ug/l	96
53) t-1,3-Dichloropropene	10.818	75	147197	19.708	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	155355	19.602	ug/l	97
55) 1,1,2-Trichloroethane	10.994	97	88950	19.535	ug/l	97
56) Ethyl methacrylate	10.853	69	145715	20.222	ug/l	98
57) 1,3-Dichloropropane	11.141	76	160455	20.048	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.141	63	361100	96.340	ug/l	99
59) 2-Hexanone	11.177	43	503814	101.283	ug/l	98
60) Dibromochloromethane	11.341	129	97389	18.817	ug/l	97
61) 1,2-Dibromoethane	11.447	107	89467	19.091	ug/l	100
64) Tetrachloroethene	11.082	164	71774	19.188	ug/l	93
65) Chlorobenzene	11.871	112	251954	19.566	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.941	131	82040	19.447	ug/l	98
67) Ethyl Benzene	11.941	91	451067	19.956	ug/l	100
68) m/p-Xylenes	12.047	106	333402	39.368	ug/l	99
69) o-Xylene	12.376	106	158050	19.687	ug/l	99
70) Styrene	12.388	104	267299	20.418	ug/l	98
71) Bromoform	12.559	173	61627	19.575	ug/l #	98
73) Isopropylbenzene	12.671	105	420288	19.043	ug/l	99
74) N-amyl acetate	12.676	43	115215m	18.389	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	131733	19.171	ug/l	98
76) 1,2,3-Trichloropropane	12.971	75	129112m	19.734	ug/l	
77) Bromobenzene	12.959	156	91861	19.301	ug/l	93
78) n-propylbenzene	13.012	91	520777	19.335	ug/l	98
79) 2-Chlorotoluene	13.106	91	312022	20.314	ug/l	97
80) 1,3,5-Trimethylbenzene	13.147	105	361643	19.730	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.718	75	38624	16.468	ug/l	93
82) 4-Chlorotoluene	13.200	91	318454	19.163	ug/l	99
83) tert-Butylbenzene	13.418	119	314643	19.216	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	360878	19.678	ug/l	100
85) sec-Butylbenzene	13.594	105	465186	19.337	ug/l	99
86) p-Isopropyltoluene	13.706	119	381439	19.765	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	183699	19.335	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	190892	18.707	ug/l	97
89) n-Butylbenzene	14.029	91	372285	19.475	ug/l	99
90) Hexachloroethane	14.312	117	70465	18.855	ug/l	93
91) 1,2-Dichlorobenzene	14.082	146	174002	18.999	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.694	75	30560	19.108	ug/l	96
93) 1,2,4-Trichlorobenzene	15.365	180	104719	18.880	ug/l	99
94) Hexachlorobutadiene	15.470	225	41542	20.112	ug/l	100
95) Naphthalene	15.612	128	349011	18.368	ug/l	100
96) 1,2,3-Trichlorobenzene	15.812	180	100322	18.864	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
Data File : VN088090.D
Acq On : 24 Oct 2025 13:43
Operator : JC\MD
Sample : VN1024WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/27/2025
Supervised By :Semsettin Yesilyurt 10/27/2025

Quant Time: Oct 25 01:03:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 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

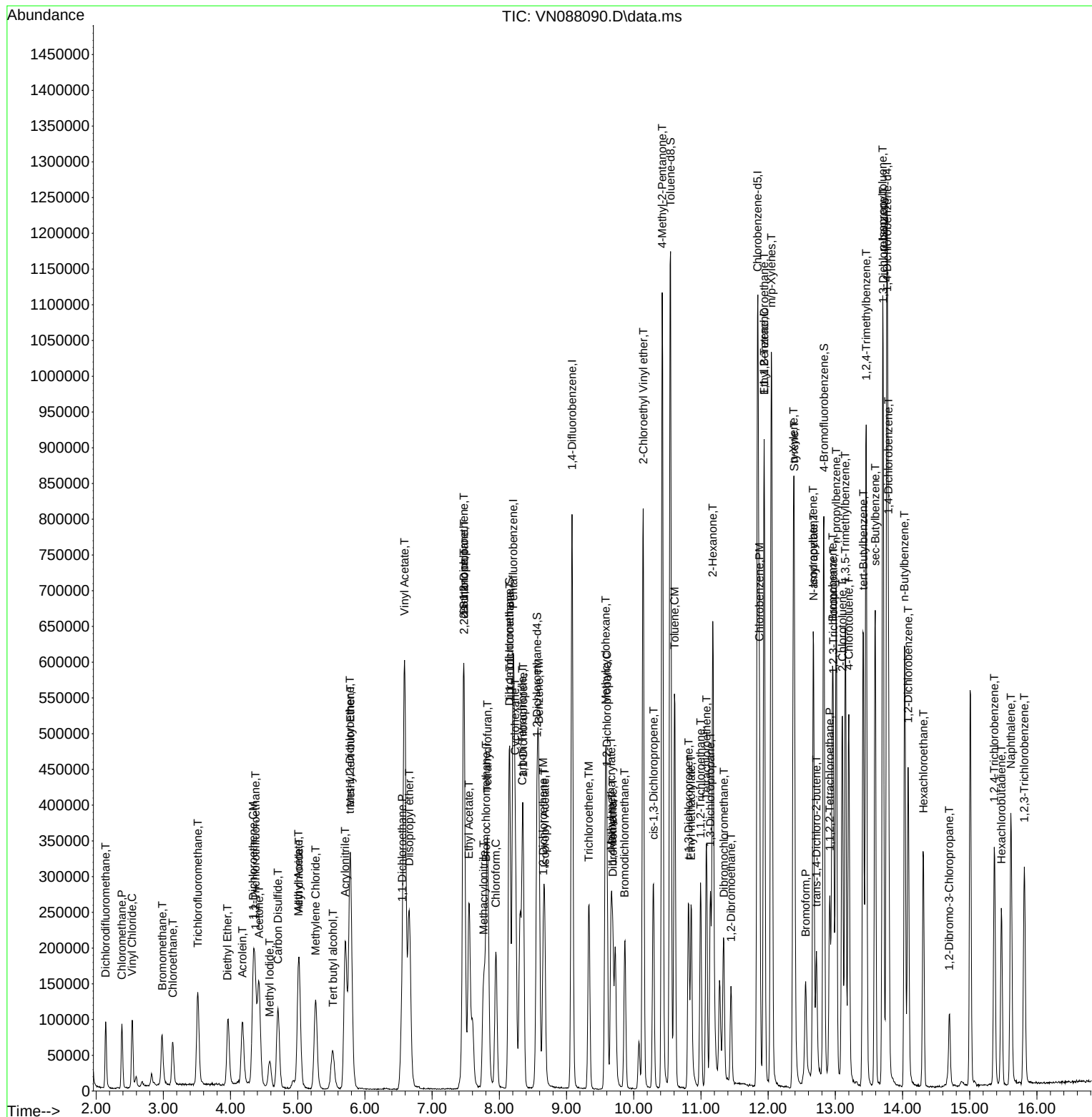
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
Data File : VN088090.D
Acq On : 24 Oct 2025 13:43
Operator : JC\MD
Sample : VN1024WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/27/2025
Supervised By :Semsettin Yesilyurt 10/27/2025

Quant Time: Oct 25 01:03:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration



Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: VX1022WBS01
 Lab Sample ID: VX1022WBS01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3373
 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	19.2		1	0.22	1.00	ug/L	10/22/25 09:53	VX102225
74-87-3	Chloromethane	16.9		1	0.32	1.00	ug/L	10/22/25 09:53	VX102225
75-01-4	Vinyl Chloride	16.4		1	0.26	1.00	ug/L	10/22/25 09:53	VX102225
141-78-6	Ethyl Acetate	17.3		1	0.31	1.00	ug/L	10/22/25 09:53	VX102225
74-83-9	Bromomethane	18.3		1	1.40	5.00	ug/L	10/22/25 09:53	VX102225
75-00-3	Chloroethane	17.5		1	0.47	1.00	ug/L	10/22/25 09:53	VX102225
75-69-4	Trichlorofluoromethane	18.7		1	0.33	1.00	ug/L	10/22/25 09:53	VX102225
76-13-1	1,1,2-Trichlorotrifluoroethane	17.8		1	0.25	1.00	ug/L	10/22/25 09:53	VX102225
75-65-0	Tert butyl alcohol	81.3		1	5.50	25.0	ug/L	10/22/25 09:53	VX102225
75-35-4	1,1-Dichloroethene	18.3		1	0.23	1.00	ug/L	10/22/25 09:53	VX102225
107-02-8	Acrolein	110		1	7.10	25.0	ug/L	10/22/25 09:53	VX102225
107-13-1	Acrylonitrile	88.4		1	0.83	5.00	ug/L	10/22/25 09:53	VX102225
67-64-1	Acetone	89.1		1	1.50	5.00	ug/L	10/22/25 09:53	VX102225
75-15-0	Carbon Disulfide	16.0		1	0.21	1.00	ug/L	10/22/25 09:53	VX102225
1634-04-4	Methyl tert-butyl Ether	18.4		1	0.16	1.00	ug/L	10/22/25 09:53	VX102225
79-20-9	Methyl Acetate	16.9		1	0.27	1.00	ug/L	10/22/25 09:53	VX102225
75-09-2	Methylene Chloride	18.9		1	0.28	1.00	ug/L	10/22/25 09:53	VX102225
156-60-5	trans-1,2-Dichloroethene	18.4		1	0.23	1.00	ug/L	10/22/25 09:53	VX102225
108-05-4	Vinyl Acetate	91.1		1	0.66	5.00	ug/L	10/22/25 09:53	VX102225
75-34-3	1,1-Dichloroethane	18.3		1	0.23	1.00	ug/L	10/22/25 09:53	VX102225
110-82-7	Cyclohexane	17.9		1	1.50	5.00	ug/L	10/22/25 09:53	VX102225
78-93-3	2-Butanone	88.7		1	0.98	5.00	ug/L	10/22/25 09:53	VX102225
56-23-5	Carbon Tetrachloride	18.9		1	0.25	1.00	ug/L	10/22/25 09:53	VX102225
594-20-7	2,2-Dichloropropane	19.2		1	0.21	1.00	ug/L	10/22/25 09:53	VX102225
156-59-2	cis-1,2-Dichloroethene	18.9		1	0.19	1.00	ug/L	10/22/25 09:53	VX102225
74-97-5	Bromochloromethane	17.9		1	0.22	1.00	ug/L	10/22/25 09:53	VX102225
67-66-3	Chloroform	19.4		1	0.25	1.00	ug/L	10/22/25 09:53	VX102225
71-55-6	1,1,1-Trichloroethane	19.0		1	0.20	1.00	ug/L	10/22/25 09:53	VX102225
108-87-2	Methylcyclohexane	17.9		1	0.16	1.00	ug/L	10/22/25 09:53	VX102225
563-58-6	1,1-Dichloropropene	18.3		1	0.15	1.00	ug/L	10/22/25 09:53	VX102225
71-43-2	Benzene	18.9		1	0.15	1.00	ug/L	10/22/25 09:53	VX102225
107-06-2	1,2-Dichloroethane	20.4		1	0.22	1.00	ug/L	10/22/25 09:53	VX102225
79-01-6	Trichloroethene	19.3		1	0.090	1.00	ug/L	10/22/25 09:53	VX102225
78-87-5	1,2-Dichloropropane	19.0		1	0.20	1.00	ug/L	10/22/25 09:53	VX102225
74-95-3	Dibromomethane	19.1		1	0.25	1.00	ug/L	10/22/25 09:53	VX102225
75-27-4	Bromodichloromethane	19.4		1	0.22	1.00	ug/L	10/22/25 09:53	VX102225
108-10-1	4-Methyl-2-Pentanone	91.1		1	0.68	5.00	ug/L	10/22/25 09:53	VX102225
108-88-3	Toluene	19.6		1	0.14	1.00	ug/L	10/22/25 09:53	VX102225
10061-02-6	t-1,3-Dichloropropene	19.6		1	0.17	1.00	ug/L	10/22/25 09:53	VX102225
10061-01-5	cis-1,3-Dichloropropene	19.2		1	0.16	1.00	ug/L	10/22/25 09:53	VX102225
79-00-5	1,1,2-Trichloroethane	19.7		1	0.21	1.00	ug/L	10/22/25 09:53	VX102225
142-28-9	1,3-Dichloropropane	19.4		1	0.19	1.00	ug/L	10/22/25 09:53	VX102225
110-75-8	2-Chloroethyl Vinyl ether	86.0		1	0.30	5.00	ug/L	10/22/25 09:53	VX102225

Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: VX1022WBS01
 Lab Sample ID: VX1022WBS01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3373
 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	92.8		1	0.89	5.00	ug/L	10/22/25 09:53	VX102225
124-48-1	Dibromochloromethane	19.4		1	0.18	1.00	ug/L	10/22/25 09:53	VX102225
106-93-4	1,2-Dibromoethane	19.5		1	0.15	1.00	ug/L	10/22/25 09:53	VX102225
127-18-4	Tetrachloroethene	17.9		1	0.23	1.00	ug/L	10/22/25 09:53	VX102225
108-90-7	Chlorobenzene	19.3		1	0.12	1.00	ug/L	10/22/25 09:53	VX102225
630-20-6	1,1,1,2-Tetrachloroethane	19.1		1	0.19	1.00	ug/L	10/22/25 09:53	VX102225
67-72-1	Hexachloroethane	17.3		1	0.32	1.00	ug/L	10/22/25 09:53	VX102225
100-41-4	Ethyl Benzene	18.7		1	0.13	1.00	ug/L	10/22/25 09:53	VX102225
179601-23-1	m/p-Xylenes	39.2		1	0.24	2.00	ug/L	10/22/25 09:53	VX102225
95-47-6	o-Xylene	19.4		1	0.12	1.00	ug/L	10/22/25 09:53	VX102225
100-42-5	Styrene	20.2		1	0.15	1.00	ug/L	10/22/25 09:53	VX102225
75-25-2	Bromoform	18.9		1	0.19	1.00	ug/L	10/22/25 09:53	VX102225
98-82-8	Isopropylbenzene	18.3		1	0.12	1.00	ug/L	10/22/25 09:53	VX102225
79-34-5	1,1,2,2-Tetrachloroethane	18.1		1	0.26	1.00	ug/L	10/22/25 09:53	VX102225
96-18-4	1,2,3-Trichloropropane	20.6		1	0.35	1.00	ug/L	10/22/25 09:53	VX102225
108-86-1	Bromobenzene	18.5		1	0.24	1.00	ug/L	10/22/25 09:53	VX102225
103-65-1	n-propylbenzene	18.5		1	0.13	1.00	ug/L	10/22/25 09:53	VX102225
95-49-8	2-Chlorotoluene	18.8		1	0.14	1.00	ug/L	10/22/25 09:53	VX102225
108-67-8	1,3,5-Trimethylbenzene	18.6		1	0.15	1.00	ug/L	10/22/25 09:53	VX102225
106-43-4	4-Chlorotoluene	18.8		1	0.13	1.00	ug/L	10/22/25 09:53	VX102225
98-06-6	tert-Butylbenzene	18.7		1	0.14	1.00	ug/L	10/22/25 09:53	VX102225
95-63-6	1,2,4-Trimethylbenzene	19.1		1	0.14	1.00	ug/L	10/22/25 09:53	VX102225
135-98-8	sec-Butylbenzene	18.0		1	0.13	1.00	ug/L	10/22/25 09:53	VX102225
99-87-6	p-Isopropyltoluene	18.3		1	0.13	1.00	ug/L	10/22/25 09:53	VX102225
541-73-1	1,3-Dichlorobenzene	18.7		1	0.16	1.00	ug/L	10/22/25 09:53	VX102225
106-46-7	1,4-Dichlorobenzene	18.4		1	0.19	1.00	ug/L	10/22/25 09:53	VX102225
104-51-8	n-Butylbenzene	17.5		1	0.15	1.00	ug/L	10/22/25 09:53	VX102225
95-50-1	1,2-Dichlorobenzene	18.8		1	0.16	1.00	ug/L	10/22/25 09:53	VX102225
96-12-8	1,2-Dibromo-3-Chloropropane	17.6		1	0.53	1.00	ug/L	10/22/25 09:53	VX102225
120-82-1	1,2,4-Trichlorobenzene	17.7		1	0.20	1.00	ug/L	10/22/25 09:53	VX102225
87-68-3	Hexachlorobutadiene	18.6		1	0.30	1.00	ug/L	10/22/25 09:53	VX102225
91-20-3	Naphthalene	18.3		1	0.20	1.00	ug/L	10/22/25 09:53	VX102225
87-61-6	1,2,3-Trichlorobenzene	18.5		1	0.20	1.00	ug/L	10/22/25 09:53	VX102225

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	50.2			74 - 125	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9			75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	50.7			86 - 113	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.4			77 - 121	105%	SPK: 50

INTERNAL STANDARDS

Area Count

363-72-4	Pentafluorobenzene	116000
540-36-3	1,4-Difluorobenzene	185000
3114-55-4	Chlorobenzene-d5	172000
3855-82-1	1,4-Dichlorobenzene-d4	91100



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: VX1022WBS01

Lab Sample ID: VX1022WBS01

Analytical Method: 8260D

Sample Wt/Vol: 5 mL

Level: LOW

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3373

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\VX102225\
 Data File : VX048283.D
 Acq On : 22 Oct 2025 09:53
 Operator : JC/MD
 Sample : VX1022WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBS01

Manual Integrations
 APPROVED

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

Quant Time: Oct 24 05:51:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	115938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	185153	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	172449	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	91086	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	81572	50.182	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.360%			
35) Dibromofluoromethane	5.373	113	64382	50.934	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.860%			
50) Toluene-d8	8.629	98	224820	50.743	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.480%			
62) 4-Bromofluorobenzene	11.061	95	88327	52.404	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.800%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	22868	19.187	ug/l	95
3) Chloromethane	1.301	50	18787	16.887	ug/l	97
4) Vinyl Chloride	1.380	62	16907	16.412	ug/l	100
5) Bromomethane	1.618	94	12759	18.250	ug/l	92
6) Chloroethane	1.697	64	10602	17.514	ug/l	94
7) Trichlorofluoromethane	1.892	101	36946	18.700	ug/l	98
8) Diethyl Ether	2.130	74	9583	17.238	ug/l	81
9) 1,1,2-Trichlorotrifluo...	2.337	101	22281	17.809	ug/l	93
10) Methyl Iodide	2.453	142	29719	18.895	ug/l	98
11) Tert butyl alcohol	2.934	59	13125	81.322	ug/l	98
12) 1,1-Dichloroethene	2.325	96	22236	18.268	ug/l	89
13) Acrolein	2.233	56	18404	111.807	ug/l	100
14) Allyl chloride	2.666	41	34300	16.973	ug/l	94
15) Acrylonitrile	3.056	53	51470	88.440	ug/l	98
16) Acetone	2.374	43	49714	89.149	ug/l	94
17) Carbon Disulfide	2.514	76	61537	16.041	ug/l	98
18) Methyl Acetate	2.697	43	19682	16.900	ug/l #	90
19) Methyl tert-butyl Ether	3.105	73	76499	18.423	ug/l	98
20) Methylene Chloride	2.788	84	25627	18.860	ug/l	90
21) trans-1,2-Dichloroethene	3.087	96	24665	18.448	ug/l	97
22) Diisopropyl ether	3.745	45	74217	18.413	ug/l #	82
23) Vinyl Acetate	3.709	43	293391	91.123	ug/l	95
24) 1,1-Dichloroethane	3.605	63	44644	18.318	ug/l	98
25) 2-Butanone	4.538	43	62637	88.741	ug/l	94
26) 2,2-Dichloropropane	4.459	77	42168	19.169	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	29422	18.855	ug/l	97
28) Bromochloromethane	4.885	49	18103	17.914	ug/l #	80
29) Tetrahydrofuran	4.983	42	35783	84.647	ug/l	90
30) Chloroform	5.074	83	50484	19.388	ug/l	96
31) Cyclohexane	5.452	56	36067	17.875	ug/l	89
32) 1,1,1-Trichloroethane	5.367	97	45607	19.005	ug/l	98
36) 1,1-Dichloropropene	5.678	75	32884	18.304	ug/l	99
37) Ethyl Acetate	4.702	43	25793	17.321	ug/l	96
38) Carbon Tetrachloride	5.660	117	41818	18.866	ug/l	97
39) Methylcyclohexane	7.367	83	37971	17.896	ug/l	93
40) Benzene	6.019	78	98700	18.922	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
 Data File : VX048283.D
 Acq On : 22 Oct 2025 09:53
 Operator : JC/MD
 Sample : VX1022WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBS01

Manual Integrations
 APPROVED

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

Quant Time: Oct 24 05:51:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	13641	17.443	ug/l	95
42) 1,2-Dichloroethane	6.068	62	39202	20.367	ug/l	99
43) Isopropyl Acetate	6.318	43	43873	17.936	ug/l	97
44) Trichloroethene	7.111	130	26617	19.325	ug/l	99
45) 1,2-Dichloropropane	7.415	63	23590	19.022	ug/l	93
46) Dibromomethane	7.568	93	18429	19.074	ug/l	92
47) Bromodichloromethane	7.799	83	40507	19.417	ug/l	96
48) Methyl methacrylate	7.677	41	21757	17.627	ug/l	93
49) 1,4-Dioxane	7.641	88	5789	355.001	ug/l	91
51) 4-Methyl-2-Pentanone	8.555	43	128509	91.119	ug/l	96
52) Toluene	8.702	92	64846	19.569	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	39352	19.575	ug/l	97
54) cis-1,3-Dichloropropene	8.348	75	41608	19.183	ug/l	95
55) 1,1,2-Trichloroethane	9.135	97	24236	19.667	ug/l	96
56) Ethyl methacrylate	9.098	69	32337	17.941	ug/l	98
57) 1,3-Dichloropropane	9.293	76	40790	19.378	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.226	63	82301	86.039	ug/l	96
59) 2-Hexanone	9.415	43	91212	92.750	ug/l	95
60) Dibromochloromethane	9.500	129	32118	19.391	ug/l	98
61) 1,2-Dibromoethane	9.592	107	25567	19.461	ug/l	100
64) Tetrachloroethene	9.256	164	23106	17.948	ug/l	96
65) Chlorobenzene	10.061	112	74866	19.299	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.147	131	27221	19.105	ug/l	99
67) Ethyl Benzene	10.177	91	123704	18.730	ug/l	95
68) m/p-Xylenes	10.287	106	96187	39.196	ug/l	99
69) o-Xylene	10.622	106	45915	19.380	ug/l	100
70) Styrene	10.640	104	81400	20.178	ug/l	99
71) Bromoform	10.781	173	21486	18.867	ug/l #	97
73) Isopropylbenzene	10.945	105	121492	18.261	ug/l	98
74) N-amyl acetate	10.823	43	39294	16.651	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.195	83	32943	18.132	ug/l	97
76) 1,2,3-Trichloropropane	11.220	75	30421m	20.595	ug/l	
77) Bromobenzene	11.183	156	30904	18.526	ug/l	91
78) n-propylbenzene	11.287	91	142548	18.506	ug/l	98
79) 2-Chlorotoluene	11.348	91	87720	18.783	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	102516	18.620	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	10045	16.545	ug/l	92
82) 4-Chlorotoluene	11.439	91	104284	18.810	ug/l	97
83) tert-Butylbenzene	11.695	119	105858	18.713	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	105149	19.137	ug/l	99
85) sec-Butylbenzene	11.872	105	122676	18.025	ug/l	100
86) p-Isopropyltoluene	11.988	119	107570	18.286	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	58833	18.708	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	60010	18.420	ug/l	98
89) n-Butylbenzene	12.317	91	93913	17.540	ug/l	99
90) Hexachloroethane	12.518	117	20129	17.328	ug/l	91
91) 1,2-Dichlorobenzene	12.317	146	55576	18.823	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	6490	17.598	ug/l	95
93) 1,2,4-Trichlorobenzene	13.567	180	35339	17.699	ug/l	99
94) Hexachlorobutadiene	13.707	225	13881	18.594	ug/l	97
95) Naphthalene	13.756	128	96835	18.305	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	33930	18.518	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
Data File : VX048283.D
Acq On : 22 Oct 2025 09:53
Operator : JC/MD
Sample : VX1022WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS01

Manual Integrations
APPROVED

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

Quant Time: Oct 24 05:51:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 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

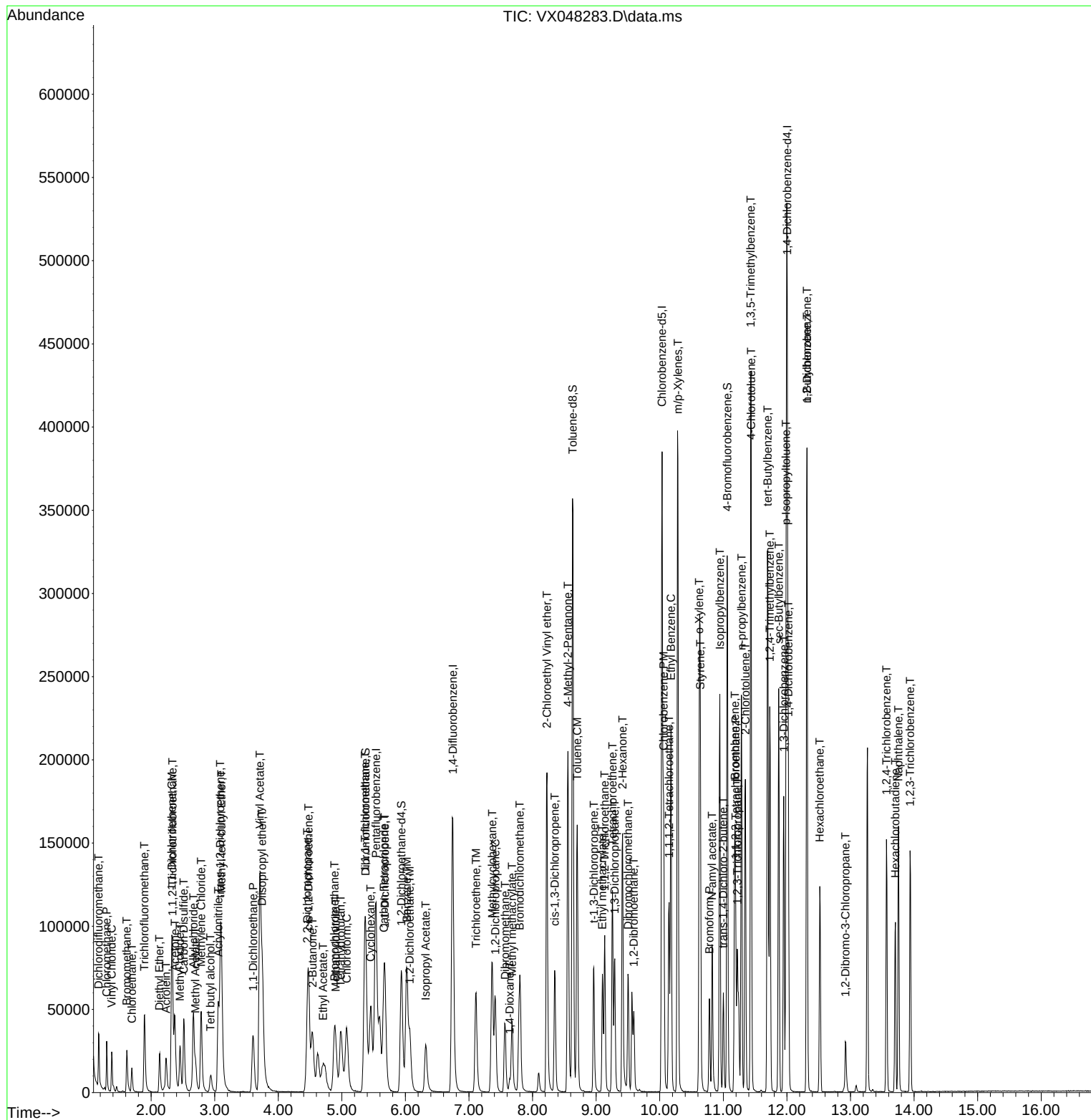
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
Data File : VX048283.D
Acq On : 22 Oct 2025 09:53
Operator : JC/MD
Sample : VX1022WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS01

Manual Integrations

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

Quant Time: Oct 24 05:51:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration



Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: VN1024WBSD01
 Lab Sample ID: VN1024WBSD01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3373
 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	20.2		1	0.22	1.00	ug/L	10/24/25 14:16	VN102425
74-87-3	Chloromethane	19.2		1	0.32	1.00	ug/L	10/24/25 14:16	VN102425
75-01-4	Vinyl Chloride	18.8		1	0.26	1.00	ug/L	10/24/25 14:16	VN102425
141-78-6	Ethyl Acetate	19.3		1	0.31	1.00	ug/L	10/24/25 14:16	VN102425
74-83-9	Bromomethane	18.5		1	1.40	5.00	ug/L	10/24/25 14:16	VN102425
75-00-3	Chloroethane	17.2		1	0.47	1.00	ug/L	10/24/25 14:16	VN102425
75-69-4	Trichlorofluoromethane	17.5		1	0.33	1.00	ug/L	10/24/25 14:16	VN102425
76-13-1	1,1,2-Trichlorotrifluoroethane	18.6		1	0.25	1.00	ug/L	10/24/25 14:16	VN102425
75-65-0	Tert butyl alcohol	100		1	5.50	25.0	ug/L	10/24/25 14:16	VN102425
75-35-4	1,1-Dichloroethene	17.0		1	0.23	1.00	ug/L	10/24/25 14:16	VN102425
107-02-8	Acrolein	100		1	7.10	25.0	ug/L	10/24/25 14:16	VN102425
107-13-1	Acrylonitrile	100		1	0.83	5.00	ug/L	10/24/25 14:16	VN102425
67-64-1	Acetone	87.5		1	1.50	5.00	ug/L	10/24/25 14:16	VN102425
75-15-0	Carbon Disulfide	18.7		1	0.21	1.00	ug/L	10/24/25 14:16	VN102425
1634-04-4	Methyl tert-butyl Ether	19.9		1	0.16	1.00	ug/L	10/24/25 14:16	VN102425
79-20-9	Methyl Acetate	21.0		1	0.27	1.00	ug/L	10/24/25 14:16	VN102425
75-09-2	Methylene Chloride	21.1		1	0.28	1.00	ug/L	10/24/25 14:16	VN102425
156-60-5	trans-1,2-Dichloroethene	18.4		1	0.23	1.00	ug/L	10/24/25 14:16	VN102425
108-05-4	Vinyl Acetate	100		1	0.66	5.00	ug/L	10/24/25 14:16	VN102425
75-34-3	1,1-Dichloroethane	19.9		1	0.23	1.00	ug/L	10/24/25 14:16	VN102425
110-82-7	Cyclohexane	19.9		1	1.50	5.00	ug/L	10/24/25 14:16	VN102425
78-93-3	2-Butanone	100		1	0.98	5.00	ug/L	10/24/25 14:16	VN102425
56-23-5	Carbon Tetrachloride	19.8		1	0.25	1.00	ug/L	10/24/25 14:16	VN102425
594-20-7	2,2-Dichloropropane	19.0		1	0.21	1.00	ug/L	10/24/25 14:16	VN102425
156-59-2	cis-1,2-Dichloroethene	19.2		1	0.19	1.00	ug/L	10/24/25 14:16	VN102425
74-97-5	Bromochloromethane	22.4		1	0.22	1.00	ug/L	10/24/25 14:16	VN102425
67-66-3	Chloroform	19.9		1	0.25	1.00	ug/L	10/24/25 14:16	VN102425
71-55-6	1,1,1-Trichloroethane	18.9		1	0.20	1.00	ug/L	10/24/25 14:16	VN102425
108-87-2	Methylcyclohexane	18.4		1	0.16	1.00	ug/L	10/24/25 14:16	VN102425
563-58-6	1,1-Dichloropropene	19.3		1	0.15	1.00	ug/L	10/24/25 14:16	VN102425
71-43-2	Benzene	19.5		1	0.15	1.00	ug/L	10/24/25 14:16	VN102425
107-06-2	1,2-Dichloroethane	21.4		1	0.22	1.00	ug/L	10/24/25 14:16	VN102425
79-01-6	Trichloroethene	19.2		1	0.090	1.00	ug/L	10/24/25 14:16	VN102425
78-87-5	1,2-Dichloropropane	20.4		1	0.20	1.00	ug/L	10/24/25 14:16	VN102425
74-95-3	Dibromomethane	20.4		1	0.25	1.00	ug/L	10/24/25 14:16	VN102425
75-27-4	Bromodichloromethane	20.2		1	0.22	1.00	ug/L	10/24/25 14:16	VN102425
108-10-1	4-Methyl-2-Pentanone	100		1	0.68	5.00	ug/L	10/24/25 14:16	VN102425
108-88-3	Toluene	19.3		1	0.14	1.00	ug/L	10/24/25 14:16	VN102425
10061-02-6	t-1,3-Dichloropropene	20.0		1	0.17	1.00	ug/L	10/24/25 14:16	VN102425
10061-01-5	cis-1,3-Dichloropropene	20.2		1	0.16	1.00	ug/L	10/24/25 14:16	VN102425
79-00-5	1,1,2-Trichloroethane	20.2		1	0.21	1.00	ug/L	10/24/25 14:16	VN102425
142-28-9	1,3-Dichloropropane	20.4		1	0.19	1.00	ug/L	10/24/25 14:16	VN102425
110-75-8	2-Chloroethyl Vinyl ether	98.5		1	0.30	5.00	ug/L	10/24/25 14:16	VN102425

Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: VN1024WBSD01
 Lab Sample ID: VN1024WBSD01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3373
 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	100		1	0.89	5.00	ug/L	10/24/25 14:16	VN102425
124-48-1	Dibromochloromethane	19.7		1	0.18	1.00	ug/L	10/24/25 14:16	VN102425
106-93-4	1,2-Dibromoethane	20.2		1	0.15	1.00	ug/L	10/24/25 14:16	VN102425
127-18-4	Tetrachloroethene	19.2		1	0.23	1.00	ug/L	10/24/25 14:16	VN102425
108-90-7	Chlorobenzene	19.4		1	0.12	1.00	ug/L	10/24/25 14:16	VN102425
630-20-6	1,1,1,2-Tetrachloroethane	19.6		1	0.19	1.00	ug/L	10/24/25 14:16	VN102425
67-72-1	Hexachloroethane	18.7		1	0.32	1.00	ug/L	10/24/25 14:16	VN102425
100-41-4	Ethyl Benzene	19.6		1	0.13	1.00	ug/L	10/24/25 14:16	VN102425
179601-23-1	m/p-Xylenes	39.1		1	0.24	2.00	ug/L	10/24/25 14:16	VN102425
95-47-6	o-Xylene	19.8		1	0.12	1.00	ug/L	10/24/25 14:16	VN102425
100-42-5	Styrene	20.5		1	0.15	1.00	ug/L	10/24/25 14:16	VN102425
75-25-2	Bromoform	20.2		1	0.19	1.00	ug/L	10/24/25 14:16	VN102425
98-82-8	Isopropylbenzene	18.9		1	0.12	1.00	ug/L	10/24/25 14:16	VN102425
79-34-5	1,1,2,2-Tetrachloroethane	19.9		1	0.26	1.00	ug/L	10/24/25 14:16	VN102425
96-18-4	1,2,3-Trichloropropane	18.5		1	0.35	1.00	ug/L	10/24/25 14:16	VN102425
108-86-1	Bromobenzene	20.3		1	0.24	1.00	ug/L	10/24/25 14:16	VN102425
103-65-1	n-propylbenzene	19.1		1	0.13	1.00	ug/L	10/24/25 14:16	VN102425
95-49-8	2-Chlorotoluene	20.0		1	0.14	1.00	ug/L	10/24/25 14:16	VN102425
108-67-8	1,3,5-Trimethylbenzene	19.5		1	0.15	1.00	ug/L	10/24/25 14:16	VN102425
106-43-4	4-Chlorotoluene	19.1		1	0.13	1.00	ug/L	10/24/25 14:16	VN102425
98-06-6	tert-Butylbenzene	18.7		1	0.14	1.00	ug/L	10/24/25 14:16	VN102425
95-63-6	1,2,4-Trimethylbenzene	19.8		1	0.14	1.00	ug/L	10/24/25 14:16	VN102425
135-98-8	sec-Butylbenzene	19.0		1	0.13	1.00	ug/L	10/24/25 14:16	VN102425
99-87-6	p-Isopropyltoluene	19.6		1	0.13	1.00	ug/L	10/24/25 14:16	VN102425
541-73-1	1,3-Dichlorobenzene	20.0		1	0.16	1.00	ug/L	10/24/25 14:16	VN102425
106-46-7	1,4-Dichlorobenzene	19.0		1	0.19	1.00	ug/L	10/24/25 14:16	VN102425
104-51-8	n-Butylbenzene	19.1		1	0.15	1.00	ug/L	10/24/25 14:16	VN102425
95-50-1	1,2-Dichlorobenzene	19.1		1	0.16	1.00	ug/L	10/24/25 14:16	VN102425
96-12-8	1,2-Dibromo-3-Chloropropane	19.0		1	0.53	1.00	ug/L	10/24/25 14:16	VN102425
120-82-1	1,2,4-Trichlorobenzene	19.1		1	0.20	1.00	ug/L	10/24/25 14:16	VN102425
87-68-3	Hexachlorobutadiene	20.4		1	0.30	1.00	ug/L	10/24/25 14:16	VN102425
91-20-3	Naphthalene	18.8		1	0.20	1.00	ug/L	10/24/25 14:16	VN102425
87-61-6	1,2,3-Trichlorobenzene	19.0		1	0.20	1.00	ug/L	10/24/25 14:16	VN102425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	50.2			74 - 125	100%	SPK: 50
1868-53-7	Dibromofluoromethane	47.2			75 - 124	94%	SPK: 50
2037-26-5	Toluene-d8	46.1			86 - 113	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.7			77 - 121	93%	SPK: 50

INTERNAL STANDARDS**Area Count**

363-72-4	Pentafluorobenzene	335000
540-36-3	1,4-Difluorobenzene	621000
3114-55-4	Chlorobenzene-d5	541000
3855-82-1	1,4-Dichlorobenzene-d4	272000



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: VN1024WBSD01

Lab Sample ID: VN1024WBSD01

Analytical Method: 8260D

Sample Wt/Vol: 5 mL

Level: LOW

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3373

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\VN102425\
 Data File : VN088091.D
 Acq On : 24 Oct 2025 14:16
 Operator : JC\MD
 Sample : VN1024WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/27/2025
 Supervised By :Semsettin Yesilyurt 10/27/2025

Quant Time: Oct 25 01:04:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	335260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	621300	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	541423	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	271790	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.565	65	290926	50.183	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.360%	
35) Dibromofluoromethane	8.153	113	196838	47.159	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 94.320%	
50) Toluene-d8	10.547	98	741964	46.134	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 92.260%	
62) 4-Bromofluorobenzene	12.829	95	265424	46.731	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 93.460%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.142	85	76236	20.159	ug/l	97
3) Chloromethane	2.383	50	85551	19.229	ug/l	98
4) Vinyl Chloride	2.536	62	91307	18.836	ug/l	99
5) Bromomethane	2.983	94	53560	18.472	ug/l	92
6) Chloroethane	3.142	64	59934	17.160	ug/l	92
7) Trichlorofluoromethane	3.512	101	135248	17.493	ug/l	94
8) Diethyl Ether	3.959	74	53454	18.602	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.371	101	74239	18.608	ug/l	99
10) Methyl Iodide	4.577	142	68584	20.174	ug/l	98
11) Tert butyl alcohol	5.512	59	101143	101.269	ug/l	99
12) 1,1-Dichloroethene	4.342	96	71561	16.982	ug/l	96
13) Acrolein	4.177	56	115229	102.569	ug/l	95
14) Allyl chloride	5.012	41	139566	18.896	ug/l	97
15) Acrylonitrile	5.712	53	272843	100.289	ug/l	100
16) Acetone	4.424	43	254785	87.480	ug/l	96
17) Carbon Disulfide	4.706	76	239320	18.683	ug/l	97
18) Methyl Acetate	5.018	43	125508	21.049	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	308438	19.931	ug/l	100
20) Methylene Chloride	5.271	84	93452	21.069	ug/l	97
21) trans-1,2-Dichloroethene	5.777	96	84978	18.372	ug/l	98
22) Diisopropyl ether	6.653	45	318161	20.483	ug/l	97
23) Vinyl Acetate	6.588	43	1452340	103.799	ug/l	99
24) 1,1-Dichloroethane	6.559	63	171106	19.886	ug/l	94
25) 2-Butanone	7.471	43	385650	100.475	ug/l	99
26) 2,2-Dichloropropane	7.477	77	148860	19.038	ug/l	97
27) cis-1,2-Dichloroethene	7.471	96	102179	19.189	ug/l	96
28) Bromochloromethane	7.800	49	90975	22.377	ug/l	99
29) Tetrahydrofuran	7.824	42	246616	98.591	ug/l	98
30) Chloroform	7.947	83	170812	19.872	ug/l	98
31) Cyclohexane	8.241	56	161556	19.908	ug/l	99
32) 1,1,1-Trichloroethane	8.153	97	144807	18.915	ug/l	96
36) 1,1-Dichloropropene	8.353	75	117787	19.327	ug/l	97
37) Ethyl Acetate	7.547	43	152039	19.332	ug/l	96
38) Carbon Tetrachloride	8.347	117	124682	19.808	ug/l	96
39) Methylcyclohexane	9.582	83	143756	18.351	ug/l	97
40) Benzene	8.588	78	361061	19.453	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
 Data File : VN088091.D
 Acq On : 24 Oct 2025 14:16
 Operator : JC\MD
 Sample : VN1024WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/27/2025
 Supervised By :Semsettin Yesilyurt 10/27/2025

Quant Time: Oct 25 01:04:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	79837	19.287	ug/l	97
42) 1,2-Dichloroethane	8.653	62	141145	21.403	ug/l	99
43) Isopropyl Acetate	8.671	43	250979	20.768	ug/l	99
44) Trichloroethene	9.335	130	83305	19.202	ug/l	98
45) 1,2-Dichloropropane	9.600	63	95375	20.354	ug/l	90
46) Dibromomethane	9.688	93	68045	20.361	ug/l	98
47) Bromodichloromethane	9.871	83	134913	20.164	ug/l	95
48) Methyl methacrylate	9.665	41	113954	20.424	ug/l	99
49) 1,4-Dioxane	9.682	88	27732	399.631	ug/l #	95
51) 4-Methyl-2-Pentanone	10.424	43	750568	104.984	ug/l	100
52) Toluene	10.606	92	220316	19.253	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	142276	19.979	ug/l	93
54) cis-1,3-Dichloropropene	10.294	75	152435	20.173	ug/l	99
55) 1,1,2-Trichloroethane	10.994	97	87867	20.239	ug/l	93
56) Ethyl methacrylate	10.853	69	143695	20.915	ug/l	97
57) 1,3-Dichloropropane	11.141	76	155904	20.431	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.141	63	351936	98.481	ug/l	99
59) 2-Hexanone	11.176	43	491662	103.667	ug/l	100
60) Dibromochloromethane	11.335	129	97257	19.710	ug/l	99
61) 1,2-Dibromoethane	11.447	107	90282	20.206	ug/l	100
64) Tetrachloroethene	11.082	164	68730	19.245	ug/l	95
65) Chlorobenzene	11.871	112	238554	19.404	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.935	131	79068	19.631	ug/l	99
67) Ethyl Benzene	11.941	91	422006	19.556	ug/l	98
68) m/p-Xylenes	12.047	106	316537	39.148	ug/l	99
69) o-Xylene	12.376	106	151987	19.829	ug/l	99
70) Styrene	12.388	104	256221	20.499	ug/l	98
71) Bromoform	12.559	173	60829	20.237	ug/l #	98
73) Isopropylbenzene	12.676	105	396589	18.919	ug/l	100
74) N-amyl acetate	12.541	43	114355m	19.217	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	130100	19.935	ug/l	100
76) 1,2,3-Trichloropropane	12.970	75	115156m	18.532	ug/l	
77) Bromobenzene	12.959	156	91828	20.314	ug/l	98
78) n-propylbenzene	13.012	91	489413	19.132	ug/l	98
79) 2-Chlorotoluene	13.100	91	292039	20.018	ug/l	98
80) 1,3,5-Trimethylbenzene	13.153	105	340242	19.544	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.717	75	37310	16.749	ug/l	90
82) 4-Chlorotoluene	13.200	91	301710	19.116	ug/l	100
83) tert-Butylbenzene	13.417	119	291110	18.719	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	344238	19.763	ug/l	100
85) sec-Butylbenzene	13.594	105	434188	19.003	ug/l	100
86) p-Isopropyltoluene	13.706	119	358615	19.565	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	180512	20.004	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	183971	18.982	ug/l	98
89) n-Butylbenzene	14.035	91	346220	19.069	ug/l	99
90) Hexachloroethane	14.306	117	66434	18.716	ug/l	96
91) 1,2-Dichlorobenzene	14.088	146	166360	19.125	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	28900	19.026	ug/l	96
93) 1,2,4-Trichlorobenzene	15.370	180	100650	19.106	ug/l	98
94) Hexachlorobutadiene	15.476	225	40090	20.436	ug/l	98
95) Naphthalene	15.611	128	340015	18.841	ug/l	100
96) 1,2,3-Trichlorobenzene	15.811	180	96149	19.035	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
Data File : VN088091.D
Acq On : 24 Oct 2025 14:16
Operator : JC\MD
Sample : VN1024WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/27/2025
Supervised By :Semsettin Yesilyurt 10/27/2025

Quant Time: Oct 25 01:04:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 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

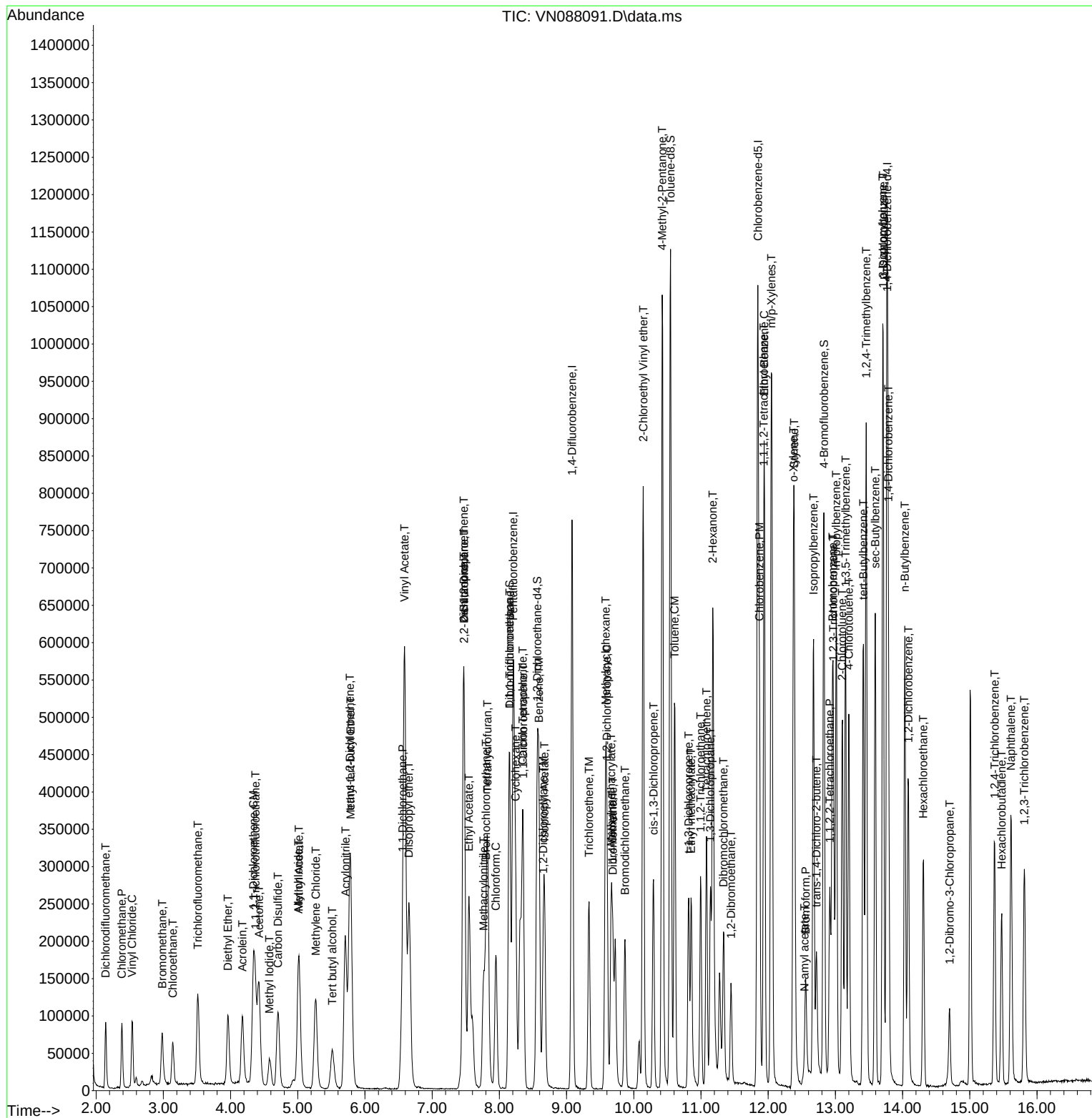
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\  
Data File : VN088091.D  
Acq On    : 24 Oct 2025  14:16  
Operator  : JC\MD  
Sample    : VN1024WBSD01  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 7   Sample Multiplier: 1
```

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/27/2025
Supervised By :Semsettin Yesilyurt 10/27/2025

Quant Time: Oct 25 01:04:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 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
VSTDICC020	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
VSTDICC020	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
VSTDICC100	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
VSTDICC150	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:	VN102425	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN088087.D	1,2,3-Trichloropropane	JOHN	10/27/2025 8:16:46 AM	sam	10/27/2025 3:07:15 PM	Peak Integrated by Software
VSTDCCC050	VN088087.D	N-amyl acetate	JOHN	10/27/2025 8:16:46 AM	sam	10/27/2025 3:07:15 PM	Peak Integrated by Software
VN1024WBS01	VN088090.D	1,2,3-Trichloropropane	JOHN	10/27/2025 8:16:51 AM	sam	10/27/2025 3:07:20 PM	Peak Integrated by Software
VN1024WBS01	VN088090.D	N-amyl acetate	JOHN	10/27/2025 8:16:51 AM	sam	10/27/2025 3:07:20 PM	Peak Integrated by Software
VN1024WBSD0 1	VN088091.D	1,2,3-Trichloropropane	JOHN	10/27/2025 8:16:55 AM	sam	10/27/2025 3:07:24 PM	Peak Integrated by Software
VN1024WBSD0 1	VN088091.D	N-amyl acetate	JOHN	10/27/2025 8:16:55 AM	sam	10/27/2025 3:07:24 PM	Peak Integrated by Software
VSTDCCC050	VN088100.D	1,2,3-Trichloropropane	JOHN	10/27/2025 8:17:00 AM	sam	10/27/2025 3:07:30 PM	Peak Integrated by Software
VSTDCCC050	VN088100.D	N-amyl acetate	JOHN	10/27/2025 8:17:00 AM	sam	10/27/2025 3:07:30 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VX102025	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDIC001	VX048229.D	1,2,3-Trichloropropane	JOHN	10/21/2025 8:03:22 AM	sam	10/21/2025 10:41:22 AM	Peak Integrated by Software
VSTDIC001	VX048229.D	1,4-Dichlorobenzene	JOHN	10/21/2025 8:03:22 AM	sam	10/21/2025 10:41:22 AM	Peak Integrated by Software
VSTDIC001	VX048229.D	Carbon Tetrachloride	JOHN	10/21/2025 8:03:22 AM	sam	10/21/2025 10:41:22 AM	Peak Integrated by Software
VSTDIC001	VX048229.D	Ethyl Acetate	JOHN	10/21/2025 8:03:22 AM	sam	10/21/2025 10:41:22 AM	Peak Integrated by Software
VSTDIC001	VX048229.D	Methacrylonitrile	JOHN	10/21/2025 8:03:22 AM	sam	10/21/2025 10:41:22 AM	Peak Integrated by Software
VSTDIC020	VX048231.D	1,2,3-Trichloropropane	JOHN	10/21/2025 8:03:30 AM	sam	10/21/2025 10:41:32 AM	Peak Integrated by Software
VSTDIC050	VX048232.D	1,2,3-Trichloropropane	JOHN	10/21/2025 8:03:35 AM	sam	10/21/2025 10:41:38 AM	Peak Integrated by Software
VSTDIC100	VX048233.D	1,2,3-Trichloropropane	JOHN	10/21/2025 8:03:40 AM	sam	10/21/2025 10:42:36 AM	Peak Integrated by Software
VSTDIC150	VX048234.D	1,2,3-Trichloropropane	JOHN	10/21/2025 8:03:49 AM	sam	10/21/2025 10:43:04 AM	Peak Integrated by Software
VSTDIC005	VX048236.D	1,2,3-Trichloropropane	JOHN	10/21/2025 8:03:55 AM	sam	10/21/2025 10:41:42 AM	Peak Integrated by Software
VSTDIC005	VX048236.D	Ethyl Acetate	JOHN	10/21/2025 8:03:55 AM	sam	10/21/2025 10:41:42 AM	Peak Integrated by Software
VSTDIC005	VX048236.D	Methacrylonitrile	JOHN	10/21/2025 8:03:55 AM	sam	10/21/2025 10:41:42 AM	Peak Integrated by Software
VSTDICV050	VX048237.D	1,2,3-Trichloropropane	JOHN	10/21/2025 8:03:59 AM	sam	10/21/2025 10:41:51 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

VX102025

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX048250.D	1,2,3-Trichloropropane	JOHN	10/21/2025 8:04:26 AM	sam	10/21/2025 10:42:06 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

Vx102225

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX048280.D	1,2,3-Trichloropropane	JOHN	10/24/2025 8:20:32 AM	MMDadoda	10/24/2025 2:35:08 PM	Peak Integrated by Software
VX1022WBS01	VX048283.D	1,2,3-Trichloropropane	JOHN	10/24/2025 8:20:36 AM	MMDadoda	10/24/2025 2:35:13 PM	Peak Integrated by Software
VSTDCCC050	VX048308.D	1,2,3-Trichloropropane	JOHN	10/24/2025 8:22:52 AM	MMDadoda	10/24/2025 2:35:30 PM	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 # VN102425

Review By	John Carlone	Review On	10/27/2025 8:22:58 AM
Supervise By	Semsettin Yesilyurt	Supervise On	10/27/2025 3:07:01 PM
SubDirectory	VN102425	HP Acquire Method	HP Processing Method 82N102325W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135918		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135919,VP135920		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN088086.D	24 Oct 2025 12:07	JC\MD	Ok
2	VSTDCCC050	VN088087.D	24 Oct 2025 12:28	JC\MD	Ok,M
3	VN1024MBL01	VN088088.D	24 Oct 2025 13:01	JC\MD	Ok
4	VN1024WBL01	VN088089.D	24 Oct 2025 13:22	JC\MD	Ok
5	VN1024WBS01	VN088090.D	24 Oct 2025 13:43	JC\MD	Ok,M
6	VN1024WBSD01	VN088091.D	24 Oct 2025 14:16	JC\MD	Ok,M
7	Q3373-01RE	VN088092.D	24 Oct 2025 14:37	JC\MD	Confirms
8	Q3373-02	VN088093.D	24 Oct 2025 14:58	JC\MD	Ok
9	Q3373-03	VN088094.D	24 Oct 2025 15:18	JC\MD	Ok
10	Q3373-04	VN088095.D	24 Oct 2025 15:39	JC\MD	Ok
11	Q3463-01	VN088096.D	24 Oct 2025 15:59	JC\MD	Ok
12	Q3463-02	VN088097.D	24 Oct 2025 16:20	JC\MD	Ok
13	Q3463-03	VN088098.D	24 Oct 2025 16:41	JC\MD	Ok
14	Q3463-04	VN088099.D	24 Oct 2025 17:01	JC\MD	Ok
15	VSTDCCC050	VN088100.D	24 Oct 2025 17:22	JC\MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX102025

Review By	John Carlone	Review On	10/21/2025 8:15:04 AM
Supervise By	Semsettin Yesilyurt	Supervise On	10/21/2025 10:44:02 AM
SubDirectory	VX102025	HP Acquire Method	HP Processing Method 82X102025W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP135849		
Initial Calibration Stds	VP135851,VP135852,VP135853,VP135854,VP135855,VP135856		
CCC	VP135850		
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX048226.D	20 Oct 2025 08:15	JC/MD	Ok
2	VSTDCCC050	VX048227.D	20 Oct 2025 10:13	JC/MD	Ok
3	IBLK	VX048228.D	20 Oct 2025 10:38	JC/MD	Not Ok
4	VSTDICC001	VX048229.D	20 Oct 2025 10:59	JC/MD	Ok,M
5	VSTDICC005	VX048230.D	20 Oct 2025 11:20	JC/MD	Not Ok
6	VSTDICC020	VX048231.D	20 Oct 2025 11:40	JC/MD	Ok,M
7	VSTDICCC050	VX048232.D	20 Oct 2025 12:01	JC/MD	Ok,M
8	VSTDICC100	VX048233.D	20 Oct 2025 12:22	JC/MD	Ok,M
9	VSTDICC150	VX048234.D	20 Oct 2025 12:43	JC/MD	Ok,M
10	IBLK	VX048235.D	20 Oct 2025 13:04	JC/MD	Ok
11	VSTDICC005	VX048236.D	20 Oct 2025 13:49	JC/MD	Ok,M
12	VSTDICV050	VX048237.D	20 Oct 2025 14:28	JC/MD	Ok,M
13	VX1020MBL01	VX048238.D	20 Oct 2025 14:56	JC/MD	Ok
14	VX1020WBL01	VX048239.D	20 Oct 2025 15:23	JC/MD	Ok
15	VX1020WBS01	VX048240.D	20 Oct 2025 15:50	JC/MD	Ok,M
16	Q3371-03	VX048241.D	20 Oct 2025 16:18	JC/MD	ReRun
17	Q3371-06	VX048242.D	20 Oct 2025 16:38	JC/MD	ReRun
18	Q3371-01	VX048243.D	20 Oct 2025 16:59	JC/MD	ReRun
19	Q3371-02	VX048244.D	20 Oct 2025 17:20	JC/MD	ReRun
20	Q3371-04	VX048245.D	20 Oct 2025 17:41	JC/MD	Ok
21	Q3371-05	VX048246.D	20 Oct 2025 18:02	JC/MD	Ok

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX102025

Review By	John Carlone	Review On	10/21/2025 8:15:04 AM
Supervise By	Semsettin Yesilyurt	Supervise On	10/21/2025 10:44:02 AM
SubDirectory	VX102025	HP Acquire Method	HP Processing Method 82X102025W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP135849		
Initial Calibration Stds	VP135851,VP135852,VP135853,VP135854,VP135855,VP135856		
CCC	VP135850		
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	VX1020WBSD01	VX048247.D	20 Oct 2025 18:22	JC/MD	Ok,M
23	VX1020MBS01	VX048248.D	20 Oct 2025 18:43	JC/MD	Ok,M
24	Q3390-01	VX048249.D	20 Oct 2025 19:04	JC/MD	Ok
25	VSTDCCC050	VX048250.D	20 Oct 2025 19:25	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX102225

Review By	John Carlone	Review On	10/24/2025 8:33:44 AM
Supervise By	Maresh Dadoda	Supervise On	10/24/2025 2:35:38 PM
SubDirectory	VX102225	HP Acquire Method	HP Processing Method 82X102025W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135885		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135886,VP135887		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX048279.D	22 Oct 2025 08:07	JC/MD	Ok
2	VSTDCCC050	VX048280.D	22 Oct 2025 08:37	JC/MD	Ok,M
3	VX1022MBL01	VX048281.D	22 Oct 2025 09:05	JC/MD	Ok
4	VX1022WBL01	VX048282.D	22 Oct 2025 09:26	JC/MD	Ok
5	VX1022WBS01	VX048283.D	22 Oct 2025 09:53	JC/MD	Ok,M
6	VX1022WBSD01	VX048284.D	22 Oct 2025 10:18	JC/MD	Ok,M
7	Q3368-06	VX048285.D	22 Oct 2025 10:39	JC/MD	Ok
8	Q3368-07	VX048286.D	22 Oct 2025 11:00	JC/MD	Not Ok
9	Q3397-04	VX048287.D	22 Oct 2025 11:20	JC/MD	Ok,M
10	Q3368-07	VX048288.D	22 Oct 2025 11:41	JC/MD	Ok
11	Q3402-03	VX048289.D	22 Oct 2025 12:02	JC/MD	Ok
12	Q3402-06	VX048290.D	22 Oct 2025 12:23	JC/MD	ReRun
13	Q3402-09	VX048291.D	22 Oct 2025 12:43	JC/MD	ReRun
14	Q3402-12	VX048292.D	22 Oct 2025 13:04	JC/MD	ReRun
15	Q3403-04	VX048293.D	22 Oct 2025 13:25	JC/MD	ReRun
16	Q3412-04	VX048294.D	22 Oct 2025 13:46	JC/MD	ReRun
17	PB170173TB	VX048295.D	22 Oct 2025 14:06	JC/MD	Ok
18	Q3373-01	VX048296.D	22 Oct 2025 14:27	JC/MD	ReRun
19	Q3373-02	VX048297.D	22 Oct 2025 14:48	JC/MD	ReRun
20	Q3373-03	VX048298.D	22 Oct 2025 15:09	JC/MD	ReRun
21	Q3373-04	VX048299.D	22 Oct 2025 15:29	JC/MD	ReRun

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX102225

Review By	John Carlone	Review On	10/24/2025 8:33:44 AM
Supervise By	Maresh Dadoda	Supervise On	10/24/2025 2:35:38 PM
SubDirectory	VX102225	HP Acquire Method	HP Processing Method 82X102025W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135885		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135886,VP135887		

22	Q3399-04	VX048300.D	22 Oct 2025 15:50	JC/MD	ReRun
23	Q3402-06RE	VX048301.D	22 Oct 2025 16:11	JC/MD	Confirms
24	Q3402-09	VX048302.D	22 Oct 2025 16:32	JC/MD	Ok
25	Q3402-12RE	VX048303.D	22 Oct 2025 16:53	JC/MD	Confirms
26	Q3426-01	VX048304.D	22 Oct 2025 17:13	JC/MD	Not Ok
27	Q3426-02	VX048305.D	22 Oct 2025 17:34	JC/MD	Not Ok
28	Q3426-03	VX048306.D	22 Oct 2025 17:55	JC/MD	Not Ok
29	Q3426-04	VX048307.D	22 Oct 2025 18:16	JC/MD	Not Ok
30	VSTDCCC050	VX048308.D	22 Oct 2025 18:36	JC/MD	Ok,M

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 # VN102425

Review By	John Carlone	Review On	10/27/2025 8:22:58 AM
Supervise By	Semsettin Yesilyurt	Supervise On	10/27/2025 3:07:01 PM
SubDirectory	VN102425	HP Acquire Method	HP Processing Method 82N102325W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135918		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135919,VP135920		

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN088086.D	24 Oct 2025 12:07		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN088087.D	24 Oct 2025 12:28	pH#Lot#V12668	JC\MD	Ok,M
3	VN1024MBL01	VN1024MBL01	VN088088.D	24 Oct 2025 13:01		JC\MD	Ok
4	VN1024WBL01	VN1024WBL01	VN088089.D	24 Oct 2025 13:22		JC\MD	Ok
5	VN1024WBS01	VN1024WBS01	VN088090.D	24 Oct 2025 13:43		JC\MD	Ok,M
6	VN1024WBSD01	VN1024WBSD01	VN088091.D	24 Oct 2025 14:16		JC\MD	Ok,M
7	Q3373-01RE	STORAGE-BLANK-SO	VN088092.D	24 Oct 2025 14:37	vial B pH<2	JC\MD	Confirms
8	Q3373-02	STORAGE-BLANK-WA	VN088093.D	24 Oct 2025 14:58	vial B pH<2	JC\MD	Ok
9	Q3373-03	STORAGE-BLANK-WA	VN088094.D	24 Oct 2025 15:18	vial B pH<2	JC\MD	Ok
10	Q3373-04	STORAGE-BLANK-SAI	VN088095.D	24 Oct 2025 15:39	vial B pH<2	JC\MD	Ok
11	Q3463-01	STORAGE-BLANK-SO	VN088096.D	24 Oct 2025 15:59	vial A pH<2	JC\MD	Ok
12	Q3463-02	STORAGE-BLANK-WA	VN088097.D	24 Oct 2025 16:20	vial A pH<2	JC\MD	Ok
13	Q3463-03	STORAGE-BLANK-WA	VN088098.D	24 Oct 2025 16:41	vial A pH<2	JC\MD	Ok
14	Q3463-04	STORAGE-BLANK-SAI	VN088099.D	24 Oct 2025 17:01	vial A pH<2	JC\MD	Ok
15	VSTDCCC050	VSTDCCC050EC	VN088100.D	24 Oct 2025 17:22		JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX102025

Review By	John Carlone	Review On	10/21/2025 8:15:04 AM
Supervise By	Semsettin Yesilyurt	Supervise On	10/21/2025 10:44:02 AM
SubDirectory	VX102025	HP Acquire Method	HP Processing Method 82X102025W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP135849 VP135851,VP135852,VP135853,VP135854,VP135855,VP135856
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135850

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX048226.D	20 Oct 2025 08:15		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX048227.D	20 Oct 2025 10:13		JC/MD	Ok
3	IBLK	IBLK	VX048228.D	20 Oct 2025 10:38		JC/MD	Not Ok
4	VSTDICC001	VSTDICC001	VX048229.D	20 Oct 2025 10:59	LR-58,94	JC/MD	Ok,M
5	VSTDICC005	VSTDICC005	VX048230.D	20 Oct 2025 11:20		JC/MD	Not Ok
6	VSTDICC020	VSTDICC020	VX048231.D	20 Oct 2025 11:40		JC/MD	Ok,M
7	VSTDICCC050	VSTDICCC050	VX048232.D	20 Oct 2025 12:01		JC/MD	Ok,M
8	VSTDICC100	VSTDICC100	VX048233.D	20 Oct 2025 12:22		JC/MD	Ok,M
9	VSTDICC150	VSTDICC150	VX048234.D	20 Oct 2025 12:43		JC/MD	Ok,M
10	IBLK	IBLK	VX048235.D	20 Oct 2025 13:04		JC/MD	Ok
11	VSTDICC005	VSTDICC005	VX048236.D	20 Oct 2025 13:49		JC/MD	Ok,M
12	VSTDICV050	ICVVX102025	VX048237.D	20 Oct 2025 14:28	pH#Lot#V12668	JC/MD	Ok,M
13	VX1020MBL01	VX1020MBL01	VX048238.D	20 Oct 2025 14:56		JC/MD	Ok
14	VX1020WBL01	VX1020WBL01	VX048239.D	20 Oct 2025 15:23		JC/MD	Ok
15	VX1020WBS01	VX1020WBS01	VX048240.D	20 Oct 2025 15:50		JC/MD	Ok,M
16	Q3371-03	VPB184-HYD-2025101	VX048241.D	20 Oct 2025 16:18	vial A pH<2 Surrogate Fail	JC/MD	ReRun
17	Q3371-06	VPB184-HYD-2025101	VX048242.D	20 Oct 2025 16:38	vial A pH<2 Surrogate Fail	JC/MD	ReRun
18	Q3371-01	BP-VPB-184-TB-20251	VX048243.D	20 Oct 2025 16:59	vial A pH<2 TB; Surrogate Fail	JC/MD	ReRun

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX102025

Review By	John Carlone	Review On	10/21/2025 8:15:04 AM
Supervise By	Semsettin Yesilyurt	Supervise On	10/21/2025 10:44:02 AM
SubDirectory	VX102025	HP Acquire Method	HP Processing Method 82X102025W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP135849		
Initial Calibration Stds	VP135851,VP135852,VP135853,VP135854,VP135855,VP135856		
CCC	VP135850		
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q3371-02	BP-VPB-184-EB-20251	VX048244.D	20 Oct 2025 17:20	vial A pH<2 EB; Surrogate Fail; Hit of com.#16	JC/MD	ReRun
20	Q3371-04	BP-VPB-184-GW-915-9	VX048245.D	20 Oct 2025 17:41	vial A pH<2	JC/MD	Ok
21	Q3371-05	BP-VPB-184-GW-920-9	VX048246.D	20 Oct 2025 18:02	vial A pH<2	JC/MD	Ok
22	VX1020WBSD01	VX1020WBSD01	VX048247.D	20 Oct 2025 18:22		JC/MD	Ok,M
23	VX1020MBS01	VX1020MBS01	VX048248.D	20 Oct 2025 18:43		JC/MD	Ok,M
24	Q3390-01	4174	VX048249.D	20 Oct 2025 19:04	cloth material	JC/MD	Ok
25	VSTDCCC050	VSTDCCC050EC	VX048250.D	20 Oct 2025 19:25		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX102225

Review By	John Carlone	Review On	10/24/2025 8:33:44 AM
Supervise By	Maresh Dadoda	Supervise On	10/24/2025 2:35:38 PM
SubDirectory	VX102225	HP Acquire Method	HP Processing Method 82X102025W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP135885
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135886,VP135887

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX048279.D	22 Oct 2025 08:07		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX048280.D	22 Oct 2025 08:37	pH#Lot#V12668	JC/MD	Ok,M
3	VX1022MBL01	VX1022MBL01	VX048281.D	22 Oct 2025 09:05		JC/MD	Ok
4	VX1022WBL01	VX1022WBL01	VX048282.D	22 Oct 2025 09:26		JC/MD	Ok
5	VX1022WBS01	VX1022WBS01	VX048283.D	22 Oct 2025 09:53		JC/MD	Ok,M
6	VX1022WBSD01	VX1022WBSD01	VX048284.D	22 Oct 2025 10:18		JC/MD	Ok,M
7	Q3368-06	OUTSIDE-DUMPSTER	VX048285.D	22 Oct 2025 10:39	vial A pH#5.0	JC/MD	Ok
8	Q3368-07	PRESS-SLUDGE	VX048286.D	22 Oct 2025 11:00	not purge; RT Shifted	JC/MD	Not Ok
9	Q3397-04	TP-7-WC	VX048287.D	22 Oct 2025 11:20	vial A pH#5.0	JC/MD	Ok,M
10	Q3368-07	PRESS-SLUDGE	VX048288.D	22 Oct 2025 11:41	vial A pH#5.0 foamy sample	JC/MD	Ok
11	Q3402-03	41-LA	VX048289.D	22 Oct 2025 12:02	vial A pH#5.0	JC/MD	Ok
12	Q3402-06	41-RA	VX048290.D	22 Oct 2025 12:23	vial A pH#5.0 Surrogate fail	JC/MD	ReRun
13	Q3402-09	41-LB	VX048291.D	22 Oct 2025 12:43	vial A pH#5.0 Surrogate fail	JC/MD	ReRun
14	Q3402-12	41-RB	VX048292.D	22 Oct 2025 13:04	vial A pH#5.0 Surrogate fail	JC/MD	ReRun
15	Q3403-04	MH-18	VX048293.D	22 Oct 2025 13:25	vial A pH#5.0 Surrogate fail	JC/MD	ReRun
16	Q3412-04	TP-6	VX048294.D	22 Oct 2025 13:46	vial A pH#5.0 Surrogate fail	JC/MD	ReRun
17	PB170173TB	PB170173TB	VX048295.D	22 Oct 2025 14:06		JC/MD	Ok
18	Q3373-01	STORAGE-BLANK-SO	VX048296.D	22 Oct 2025 14:27	vial A pH<2 Surrogate fail	JC/MD	ReRun

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX102225

Review By	John Carlone	Review On	10/24/2025 8:33:44 AM
Supervise By	Maresh Dadoda	Supervise On	10/24/2025 2:35:38 PM
SubDirectory	VX102225	HP Acquire Method	HP Processing Method 82X102025W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135885		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135886,VP135887		

19	Q3373-02	STORAGE-BLANK-WA	VX048297.D	22 Oct 2025 14:48	vial A pH<2 Surrogate fail	JC/MD	ReRun
20	Q3373-03	STORAGE-BLANK-WA	VX048298.D	22 Oct 2025 15:09	vial A pH<2 Surrogate fail	JC/MD	ReRun
21	Q3373-04	STORAGE-BLANK-SAI	VX048299.D	22 Oct 2025 15:29	vial A pH<2 Surrogate fail	JC/MD	ReRun
22	Q3399-04	COMP-ROLLOFF	VX048300.D	22 Oct 2025 15:50	vial A pH#5.0 Surrogate fail	JC/MD	ReRun
23	Q3402-06RE	41-RARE	VX048301.D	22 Oct 2025 16:11	vial B pH#5.0 Surrogate fail	JC/MD	Confirms
24	Q3402-09	41-LB	VX048302.D	22 Oct 2025 16:32	vial B pH#5.0	JC/MD	Ok
25	Q3402-12RE	41-RBRE	VX048303.D	22 Oct 2025 16:53	vial B pH#5.0 Surrogate fail	JC/MD	Confirms
26	Q3426-01	TWP2	VX048304.D	22 Oct 2025 17:13	Run @ Lower Dilution	JC/MD	Not Ok
27	Q3426-02	TWP3	VX048305.D	22 Oct 2025 17:34	Run @ Lower Dilution; Surrogate Fail	JC/MD	Not Ok
28	Q3426-03	TWP5	VX048306.D	22 Oct 2025 17:55	Run @ Lower Dilution; Surrogate Fail	JC/MD	Not Ok
29	Q3426-04	MW2	VX048307.D	22 Oct 2025 18:16	Run @ Lower Dilution	JC/MD	Not Ok
30	VSTDCCC050	VSTDCCC050EC	VX048308.D	22 Oct 2025 18:36		JC/MD	Ok,M

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: rubina
Date: 10/20/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/17/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN #1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 09:25
Out Date: 10/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB137576

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
Q3373-05	SVOC-GPC-BLANK	1	1.00	1.00	2.00	2.00	100.0	
Q3373-06	PEST-GPC-BLANK	2	1.00	1.00	2.00	2.00	100.0	
Q3373-07	PEST-GPC-BLANK-SPIKE	3	1.00	1.00	2.00	2.00	100.0	
Q3373-08	SVOC-GPC2-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q3373-09	PEST-GPC2-BLANK	5	1.00	1.00	2.00	2.00	100.0	
Q3373-10	PEST -GPC2-BLANK-SPIKE	6	1.00	1.00	2.00	2.00	100.0	
Q3374-01	TP-4-WC	7	1.15	10.69	11.84	10.25	85.1	
Q3374-02	TP-4-WC-EPH	8	1.11	10.86	11.97	11.38	94.6	
Q3374-03	TP-4-WC-VOC	9	1.15	10.45	11.6	10.31	87.7	
Q3374-05	TP-5-WC	10	1.13	10.30	11.43	10.72	93.1	
Q3374-06	TP-5-WC-EPH	11	1.17	10.34	11.51	9.95	84.9	
Q3374-07	TP-5-WC-VOC	12	1.18	10.94	12.12	11.19	91.5	
Q3375-01	PR132-S02-074099-20251016	13	1.12	10.21	11.33	8.19	69.2	
Q3375-02	PR132-S04-000013-20251016	14	1.15	10.84	11.99	9.25	74.7	
Q3375-03	PR132-S05-000057-20251016	15	1.16	10.58	11.74	8.22	66.7	
Q3375-04	PR132-S02-010074-20251016	16	1.14	10.34	11.48	6.86	55.3	
Q3375-05	PR132-DP02-074099-20251016	17	1.15	10.84	11.99	8.38	66.7	
Q3376-01	PR132-S05-057082-20251016	18	1.13	10.84	11.97	6.93	53.5	
Q3376-02	PR132-DP01-20251016	19	1.16	10.07	11.23	6.56	53.6	
Q3376-03	PR132-COMP2-20251016	20	1.11	10.13	11.24	6.45	52.7	
Q3376-04	PR132-S12-047072-20251016	21	1.15	10.70	11.85	6.64	51.3	
Q3376-05	PR132-S12-020047-20251016	22	1.13	10.49	11.62	8.14	66.8	
Q3381-01	VNJ-222	23	1.18	10.38	11.56	10.46	89.4	
Q3381-03	VNJ-245	24	1.18	10.64	11.82	9.86	81.6	
Q3381-05	RBR200059	25	1.11	10.71	11.82	10.6	88.6	



PERCENT SOLID

Supervisor: Iwona
Analyst: rubina
Date: 10/20/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/17/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN #1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 09:25
Out Date: 10/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB137576

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
Q3381-07	VNJ-255	26	1.16	10.11	11.27	10.51	92.5	
Q3382-01	CENTRAL-AVE-TP	27	1.14	10.73	11.87	10.25	84.9	
Q3382-02	CENTRAL-AVE-TP-EPH-2	28	1.16	10.81	11.97	9.78	79.7	
Q3383-01	OR-03-101725	29	1.13	10.60	11.73	10.88	92.0	
Q3383-02	OR-03-101725-E2	30	1.14	10.91	12.05	11.07	91.0	
Q3386-01	237	38	1.15	10.68	11.83	11.2	94.1	
Q3386-02	237-E2	39	1.15	10.85	12.00	11.2	92.6	
Q3387-01	BC289050-1-1	40	1.00	1.00	2.00	2.00	100.0	PILC
Q3387-02	BC289050-1-2	41	1.00	1.00	2.00	2.00	100.0	PILC
Q3387-03	BC289050-2-1	42	1.00	1.00	2.00	2.00	100.0	PILC
Q3387-04	BC289050-2-2	43	1.00	1.00	2.00	2.00	100.0	PILC
Q3388-01	461	44	1.00	1.00	2.00	2.00	100.0	soily-debris
Q3389-01	KMH472J-1-1	45	1.00	1.00	2.00	2.00	100.0	PILC
Q3389-02	KMH472J-1-2	46	1.00	1.00	2.00	2.00	100.0	PILC
Q3390-01	4175	47	1.00	1.00	2.00	2.00	100.0	debris
Q3390-03	340	48	1.18	10.76	11.94	10.34	85.1	
Q3390-04	340-E2	49	1.16	10.88	12.04	9.11	73.1	
Q3391-01	RCA	31	1.00	1.00	2.00	2.00	100.0	Concrete sample
Q3392-01	MH-20	32	1.18	10.77	11.95	10.9	90.3	
Q3392-02	MH-20-EPH	33	1.16	11.00	12.16	11.07	90.1	
Q3392-03	MH-20-VOC	34	1.18	10.89	12.07	10.69	87.3	
Q3392-05	MH-19	35	1.16	10.50	11.66	10.34	87.4	
Q3392-06	MH-19-EPH	36	1.12	10.87	11.99	10.41	85.5	
Q3392-07	MH-19-VOC	37	1.16	10.50	11.66	10.37	87.7	

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

WORKLIST(Hardcopy Internal Chain)

137516

WorkList Name : %1-101725

WorkList ID : 192523

Department : Wet-Chemistry

Date : 10-17-2025 10:20:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3373-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3373-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3373-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3373-08	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3373-09	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3373-10	PEST -GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3374-01	TP-4-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/16/2025	Chemtech -SO
Q3374-02	TP-4-WC-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/16/2025	Chemtech -SO
Q3374-03	TP-4-WC-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/16/2025	Chemtech -SO
Q3374-05	TP-5-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3374-06	TP-5-WC-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3374-07	TP-5-WC-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3375-01	PR132-S02-074099-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3375-02	PR132-S04-000013-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3375-03	PR132-S05-000057-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3375-04	PR132-S02-010074-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3375-05	PR132-DP02-074099-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3376-01	PR132-S05-057082-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3376-02	PR132-DP01-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3376-03	PR132-COMP2-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3376-04	PR132-S12-047072-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO

Date/Time 10/17/25 16:00

Raw Sample Received by: 80 wwc

Raw Sample Relinquished by: CP (CSM)

Date/Time 10/17/25

Raw Sample Received by: CP (CSM)

Raw Sample Relinquished by: 80 wwc

WORKLIST(Hardcopy Internal Chain)

137576

WorkList Name : %1-101725 WorkList ID : 192523 Department : Wet-Chemistry Date : 10-17-2025 10:20:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3376-05	PR132-S12-020047-20251016	Solid	Percent Solids	Cool 4 deg C	AEC002	D31	10/16/2025	Chemtech -SO
Q3381-01	VNJ-222	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3381-03	VNJ-245	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3381-05	RBR200059	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3381-07	VNJ-255	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3382-01	CENTRAL-AVE-TP	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3382-02	CENTRAL-AVE-TP-EPH-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3383-01	OR-03-101725	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	10/17/2025	Chemtech -SO
Q3383-02	OR-03-101725-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	10/17/2025	Chemtech -SO
Q3386-01	237	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3386-02	237-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3387-01	BC289050-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3387-02	BC289050-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3387-03	BC289050-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3387-04	BC289050-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3388-01	461	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3389-01	KMH472J-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3389-02	KMH472J-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3390-01	4175	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3390-03	340	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3390-04	340-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO

Date/Time 10/17/25 16:00
 Raw Sample Received by: JH WWC
 Raw Sample Relinquished by: CH (SM)

Date/Time 10/17/25 17:13
 Raw Sample Received by: CH (SM)
 Raw Sample Relinquished by: JH WWC

WORKLIST(Hardcopy Internal Chain)

137516

WorkList Name : %1-101725

WorkList ID : 192523

Department : Wet-Chemistry

Date : 10-17-2025 10:20:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3391-01	RCA	Solid	Percent Solids	Cool 4 deg C	YANN01	D31	09/18/2025	Chemtech -SO
Q3392-01	MH-20	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3392-02	MH-20-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3392-03	MH-20-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3392-05	MH-19	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3392-06	MH-19-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3392-07	MH-19-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

10/17/25 16:00
 78 WWC
 CFCSM/

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

10/17/25 17:33
 CFCSM/
 WWC



SHIPPING DOCUMENTS



284 Sheffield Street, Mountainside
(908) 789-8900 Fax: (908) 78
www.chemtech.net

CHAIN OF CUSTODY RECORD

CLIENT INFORMATION			PROJECT INFORMATION	
COMPANY: Alliance Technical Group, LLC - Newark			PROJECT NAME: Weekly Storage Blank	
ADDRESS: 284 Sheffield Street			PROJECT #:	
CITY: Mountainside	STATE: NJ	ZIP: 07092	PROJECT MANAGER:	
ATTENTION:			E-MAIL:	
PHONE:		FAX:	PHONE:	
DATA TURNAROUND INFORMATION			DATA DELIVERABLE	
FAX: <u>NA</u> DAYS* HARD COPY: <u>10</u> DAYS* EDD <u>NA</u> DAYS* * TO BE APPROVED BY ALLIANCE STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS			☐ RESULTS ONLY ☐ US ☐ RESULTS + QC ☐ New ☐ New Jersey REDUCED ☐ New ☐ New Jersey CLP ☐ Other ☐ EDD Format	
CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE	
			COMP	GRAB
1.	STORAGE-BLANK-SOIL-REF-6	AQ		X
2.	STORAGE-BLANK-WATER-REF-5	AQ		X
3.	STORAGE-BLANK-WATER-REF-4	AQ		X
4.	STORAGE-BLANK-SAMPLE-MANAGEMENT	AQ		X
5.	SVOC-GPC-BLANK	SO		X
6.	PEST-GPC-BLANK	SO		X
7.	PEST-GPC-BLANK-SPIKE	SO		X
8.	SVOC-GPC2-BLANK	SO		X
9.	PEST-GPC2-BLANK	SO		X
10.	PEST -GPC2-BLANK-SPIKE	SO		X
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME				
RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY	Conditions of MeOH extraction Comments: Page _____	
1. <u>Sam</u>	<u>10/17/25</u>	<u>19:00</u>		
RELINQUISHED BY	DATE/TIME	RECEIVED BY		
2.		2.		
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY		
3.		3.		
WHITE - ALLIANCE COPY FOR RETURN TO CLIENT				

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