

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

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

LAB CHRONICLE

OrderID:	Q3463	OrderDate:	10/24/2025 1:51:00 PM
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
Q3463-01	STORAGE-BLANK-SOI L-REF-6	Water			10/17/25			10/24/25
			VOC- Chemtech Full	8260-Low			10/24/25	
Q3463-02	STORAGE-BLANK-WAT ER-REF-5	Water			10/17/25			10/24/25
			VOC- Chemtech Full	8260-Low			10/24/25	
Q3463-03	STORAGE-BLANK-WAT ER-REF-4	Water			10/17/25			10/24/25
			VOC- Chemtech Full	8260-Low			10/24/25	
Q3463-04	STORAGE-BLANK-SAM PLE-MANAGEMENT	Water			10/17/25			10/24/25
			VOC- Chemtech Full	8260-Low			10/24/25	



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Hit Summary Sheet
SW-846

SDG No.: Q3463

Client: Chemtech Consulting Group

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

0

Total Voc :

Total Concentration:



QC SUMMARY

Surrogate Summary

SDG No.: **Q3463**

Client: **Chemtech Consulting Group**

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3463-01	STORAGE-BLANK-SOIL-REF-6	1,2-Dichloroethane-d4	50	60.0	120		74	125
		Dibromofluoromethane	50	52.7	105		75	124
		Toluene-d8	50	49.4	99		86	113
		4-Bromofluorobenzene	50	52.9	106		77	121
Q3463-02	STORAGE-BLANK-WATER-REF-5	1,2-Dichloroethane-d4	50	58.4	117		74	125
		Dibromofluoromethane	50	51.5	103		75	124
		Toluene-d8	50	49.3	99		86	113
		4-Bromofluorobenzene	50	53.1	106		77	121
Q3463-03	STORAGE-BLANK-WATER-REF-4	1,2-Dichloroethane-d4	50	62.6	125		74	125
		Dibromofluoromethane	50	52.0	104		75	124
		Toluene-d8	50	49.2	98		86	113
		4-Bromofluorobenzene	50	55.0	110		77	121
Q3463-04	STORAGE-BLANK-SAMPLE-MANAC	1,2-Dichloroethane-d4	50	59.6	119		74	125
		Dibromofluoromethane	50	53.0	106		75	124
		Toluene-d8	50	49.8	100		86	113
		4-Bromofluorobenzene	50	51.9	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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3463</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			28	144	
	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			67	125	
	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			56	164	
	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>Q3463</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>Q3463</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	20
	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	15
	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		28	144	30
	Acrylonitrile	100	100	ug/L	100	3		73	113	29
	Acetone	100	87.5	ug/L	88	1		60	125	20
	Carbon disulfide	20	18.7	ug/L	94	0		64	112	20
	Methyl tert-butyl Ether	20	19.9	ug/L	100	4		78	114	20
	Methyl Acetate	20	21.0	ug/L	105	6		67	125	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		56	164	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	16
	Dibromomethane	20	20.4	ug/L	102	0		82	110	20
	Bromodichloromethane	20	20.2	ug/L	101	1		83	110	16
	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>Q3463</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	15
	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	29
	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	15
	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	20
	1,2,4-Trichlorobenzene	20	19.1	ug/L	96	1		75	113	29
	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	29

VOLATILE METHOD BLANK SUMMARY

Client ID

VN1024WBL01

Lab Name: Alliance

Contract: CHEM02

Lab Code: ACE

SDG NO.: Q3463

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-6	Q3463-01	VN088096.D	10/24/2025
STORAGE-BLANK-WATER-REF-5	Q3463-02	VN088097.D	10/24/2025
STORAGE-BLANK-WATER-REF-4	Q3463-03	VN088098.D	10/24/2025
STORAGE-BLANK-SAMPLE-MANAGEMENT	Q3463-04	VN088099.D	10/24/2025

COMMENTS: _____



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: CHEM02

Lab Code: ACE

SDG NO.: Q3463

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.: Q3463

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-6	Q3463-01	VN088096.D	10/24/2025	15:59
STORAGE-BLANK-WATER-REF-5	Q3463-02	VN088097.D	10/24/2025	16:20
STORAGE-BLANK-WATER-REF-4	Q3463-03	VN088098.D	10/24/2025	16:41
STORAGE-BLANK-SAMPLE-MANAGEMENT	Q3463-04	VN088099.D	10/24/2025	17:01

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: CHEM02
Lab Code: ACE SDG NO.: Q3463
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-6	213039	8.21	478121	9.08	452361	11.84
STORAGE-BLANK-WATER-REF-5	215750	8.21	480262	9.08	450816	11.84
STORAGE-BLANK-WATER-REF-4	240302	8.21	541591	9.08	517069	11.84
STORAGE-BLANK-SAMPLE-MANAGEMENT	212273	8.21	470823	9.08	440380	11.84
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.: Q3463
 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-6	215681	13.77				
STORAGE-BLANK-WATER-REF-5	216067	13.77				
STORAGE-BLANK-WATER-REF-4	255683	13.77				
STORAGE-BLANK-SAMPLE-MANAGEMENT	215469	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.



SAMPLE DATA

Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: STORAGE-BLANK-SOIL-1
 Lab Sample ID: Q3463-01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 10/17/25
 Date Received: 10/24/25
 SDG No.: Q3463
 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 15:59	VN102425
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	10/24/25 15:59	VN102425
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	10/24/25 15:59	VN102425
141-78-6	Ethyl Acetate	0.31	U	1	0.31	1.00	ug/L	10/24/25 15:59	VN102425
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	10/24/25 15:59	VN102425
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	10/24/25 15:59	VN102425
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	10/24/25 15:59	VN102425
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	10/24/25 15:59	VN102425
75-65-0	Tert butyl alcohol	5.50	U	1	5.50	25.0	ug/L	10/24/25 15:59	VN102425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/24/25 15:59	VN102425
107-02-8	Acrolein	7.10	U	1	7.10	25.0	ug/L	10/24/25 15:59	VN102425
107-13-1	Acrylonitrile	0.83	U	1	0.83	5.00	ug/L	10/24/25 15:59	VN102425
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	10/24/25 15:59	VN102425
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	10/24/25 15:59	VN102425
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	10/24/25 15:59	VN102425
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	10/24/25 15:59	VN102425
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	10/24/25 15:59	VN102425
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/24/25 15:59	VN102425
108-05-4	Vinyl Acetate	0.66	U	1	0.66	5.00	ug/L	10/24/25 15:59	VN102425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	10/24/25 15:59	VN102425
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	10/24/25 15:59	VN102425
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	10/24/25 15:59	VN102425
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	10/24/25 15:59	VN102425
594-20-7	2,2-Dichloropropane	0.21	U	1	0.21	1.00	ug/L	10/24/25 15:59	VN102425
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	10/24/25 15:59	VN102425
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	10/24/25 15:59	VN102425
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	10/24/25 15:59	VN102425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	10/24/25 15:59	VN102425
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	10/24/25 15:59	VN102425
563-58-6	1,1-Dichloropropene	0.15	U	1	0.15	1.00	ug/L	10/24/25 15:59	VN102425
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	10/24/25 15:59	VN102425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	10/24/25 15:59	VN102425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	10/24/25 15:59	VN102425
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	10/24/25 15:59	VN102425
74-95-3	Dibromomethane	0.25	U	1	0.25	1.00	ug/L	10/24/25 15:59	VN102425
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	10/24/25 15:59	VN102425
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	10/24/25 15:59	VN102425
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	10/24/25 15:59	VN102425
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	10/24/25 15:59	VN102425
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	10/24/25 15:59	VN102425
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	10/24/25 15:59	VN102425
142-28-9	1,3-Dichloropropane	0.19	U	1	0.19	1.00	ug/L	10/24/25 15:59	VN102425
110-75-8	2-Chloroethyl Vinyl ether	0.30	U	1	0.30	5.00	ug/L	10/24/25 15:59	VN102425

Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: STORAGE-BLANK-SOIL-1
 Lab Sample ID: Q3463-01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 10/17/25
 Date Received: 10/24/25
 SDG No.: Q3463
 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 15:59	VN102425
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	10/24/25 15:59	VN102425
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	10/24/25 15:59	VN102425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	10/24/25 15:59	VN102425
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	10/24/25 15:59	VN102425
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	1	0.19	1.00	ug/L	10/24/25 15:59	VN102425
67-72-1	Hexachloroethane	0.32	U	1	0.32	1.00	ug/L	10/24/25 15:59	VN102425
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	10/24/25 15:59	VN102425
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	10/24/25 15:59	VN102425
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	10/24/25 15:59	VN102425
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	10/24/25 15:59	VN102425
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	10/24/25 15:59	VN102425
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	10/24/25 15:59	VN102425
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	10/24/25 15:59	VN102425
96-18-4	1,2,3-Trichloropropane	0.35	U	1	0.35	1.00	ug/L	10/24/25 15:59	VN102425
108-86-1	Bromobenzene	0.24	U	1	0.24	1.00	ug/L	10/24/25 15:59	VN102425
103-65-1	n-propylbenzene	0.13	U	1	0.13	1.00	ug/L	10/24/25 15:59	VN102425
95-49-8	2-Chlorotoluene	0.14	U	1	0.14	1.00	ug/L	10/24/25 15:59	VN102425
108-67-8	1,3,5-Trimethylbenzene	0.15	U	1	0.15	1.00	ug/L	10/24/25 15:59	VN102425
106-43-4	4-Chlorotoluene	0.13	U	1	0.13	1.00	ug/L	10/24/25 15:59	VN102425
98-06-6	tert-Butylbenzene	0.14	U	1	0.14	1.00	ug/L	10/24/25 15:59	VN102425
95-63-6	1,2,4-Trimethylbenzene	0.14	U	1	0.14	1.00	ug/L	10/24/25 15:59	VN102425
135-98-8	sec-Butylbenzene	0.13	U	1	0.13	1.00	ug/L	10/24/25 15:59	VN102425
99-87-6	p-Isopropyltoluene	0.13	U	1	0.13	1.00	ug/L	10/24/25 15:59	VN102425
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/24/25 15:59	VN102425
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	10/24/25 15:59	VN102425
104-51-8	n-Butylbenzene	0.15	U	1	0.15	1.00	ug/L	10/24/25 15:59	VN102425
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/24/25 15:59	VN102425
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	10/24/25 15:59	VN102425
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/24/25 15:59	VN102425
87-68-3	Hexachlorobutadiene	0.30	U	1	0.30	1.00	ug/L	10/24/25 15:59	VN102425
91-20-3	Naphthalene	0.20	U	1	0.20	1.00	ug/L	10/24/25 15:59	VN102425
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/24/25 15:59	VN102425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	60.0		74 - 125	120%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	49.4		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.9		77 - 121	106%	SPK: 50

INTERNAL STANDARDS

Area Count

363-72-4	Pentafluorobenzene	213000
540-36-3	1,4-Difluorobenzene	478000
3114-55-4	Chlorobenzene-d5	452000
3855-82-1	1,4-Dichlorobenzene-d4	216000



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

Report of Analysis

Client: Chemtech Consulting Group
Project: Weekly Storage Blanks
Client Sample ID: STORAGE-BLANK-SOIL-]
Lab Sample ID: Q3463-01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/17/25
Date Received: 10/24/25
SDG No.: Q3463
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 : VN088096.D
 Acq On : 24 Oct 2025 15:59
 Operator : JC\MD
 Sample : Q3463-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Oct 25 01:07:18 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	213039	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	478121	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	452361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	215681	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	221129	60.026	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	120.060%
35) Dibromofluoromethane	8.147	113	169179	52.670	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.340%
50) Toluene-d8	10.541	98	610839	49.355	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.700%
62) 4-Bromofluorobenzene	12.829	95	231255	52.907	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	105.820%

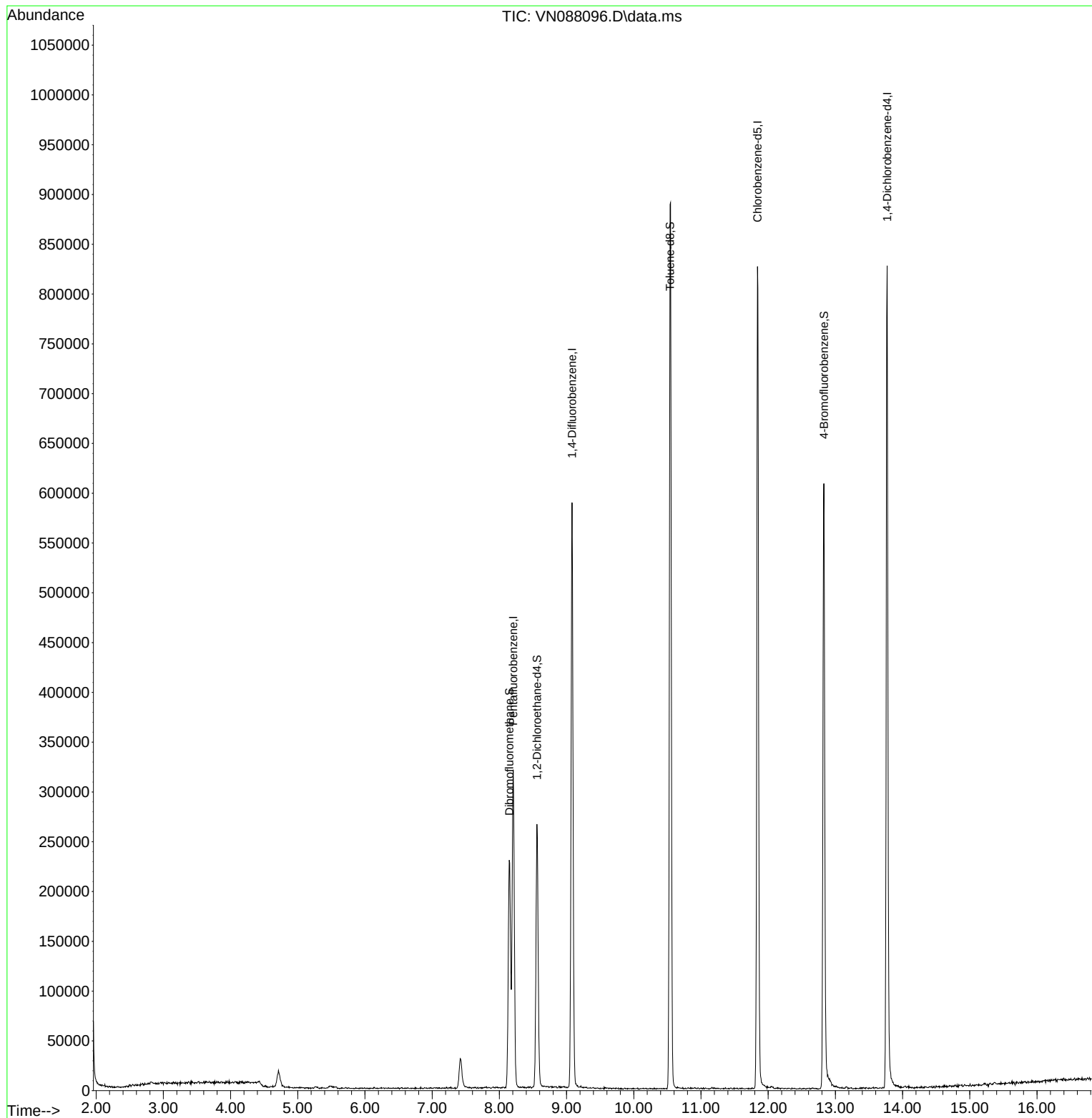
Target Compounds	Qvalue

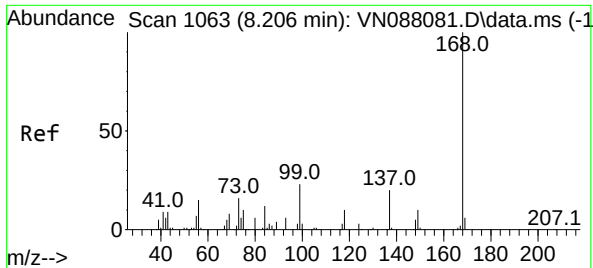
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
Data File : VN088096.D
Acq On : 24 Oct 2025 15:59
Operator : JC\MD
Sample : Q3463-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Oct 25 01:07:18 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

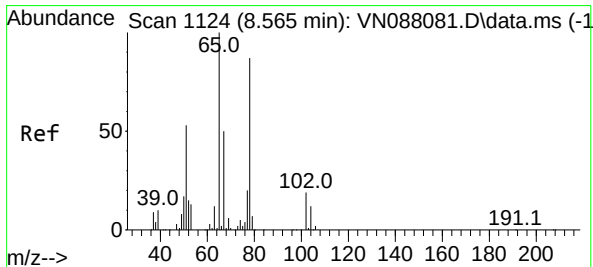
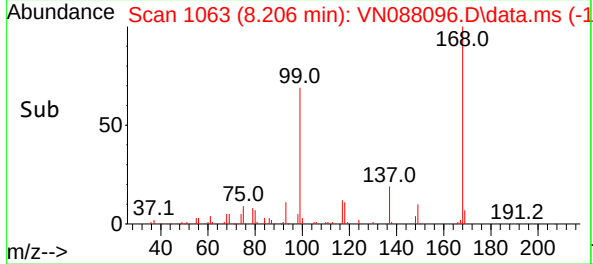
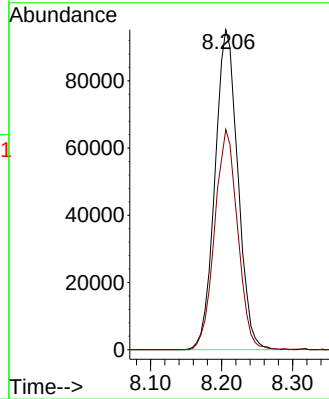
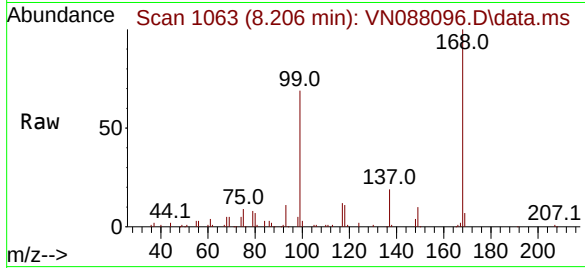




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088096.D
Acq: 24 Oct 2025 15:59

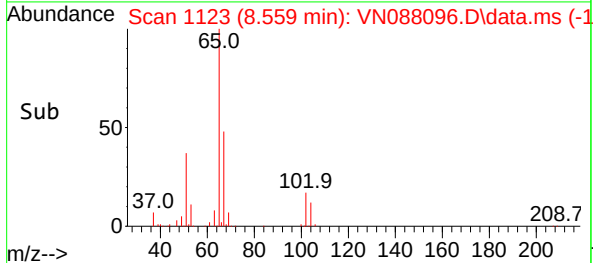
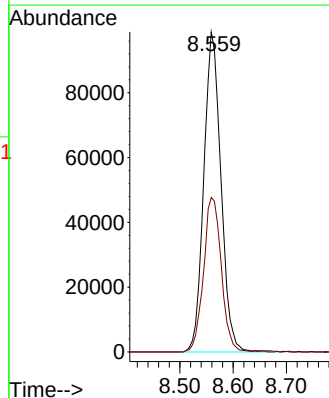
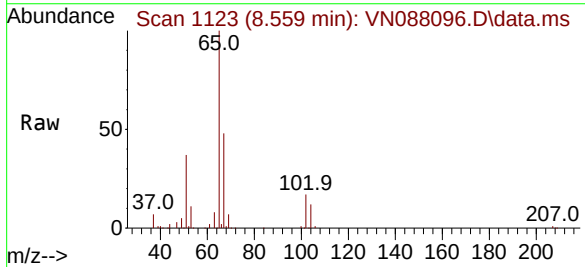
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

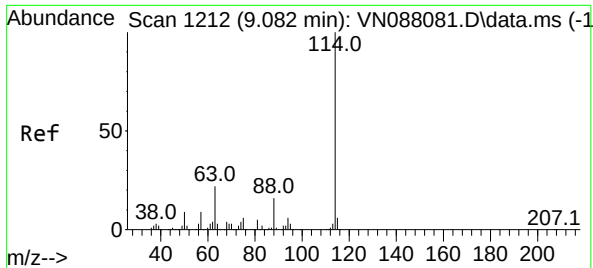
Tgt Ion:168 Resp: 213039
Ion Ratio Lower Upper
168 100
99 68.8 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 60.026 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088096.D
Acq: 24 Oct 2025 15:59

Tgt Ion: 65 Resp: 221129
Ion Ratio Lower Upper
65 100
67 49.9 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN088096.D

Acq: 24 Oct 2025 15:59

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

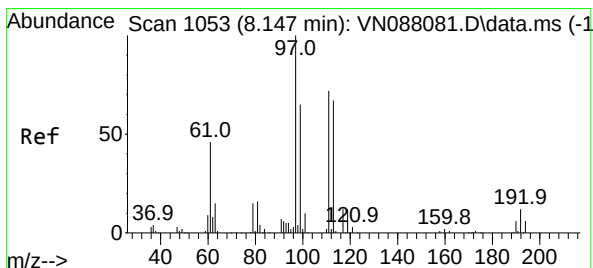
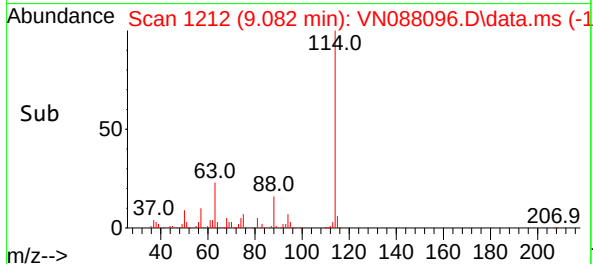
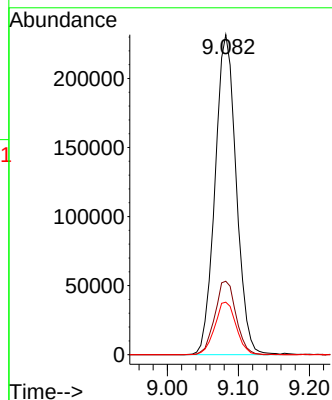
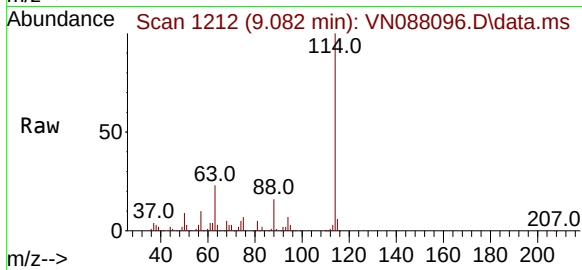
Tgt Ion:114 Resp: 478121

Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.2

88 16.4 0.0 33.4



#35

Dibromofluoromethane

Concen: 52.670 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088096.D

Acq: 24 Oct 2025 15:59

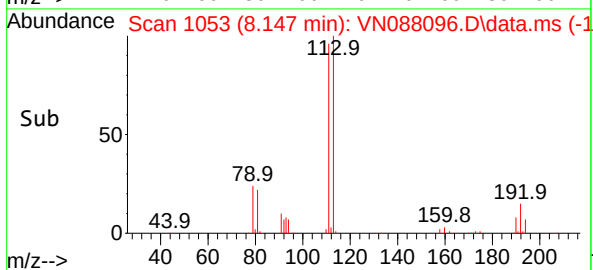
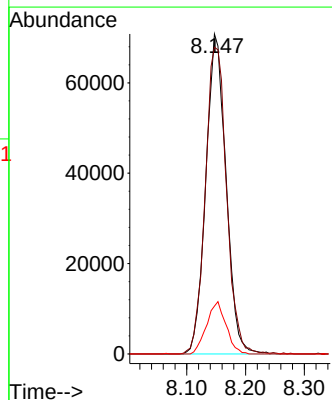
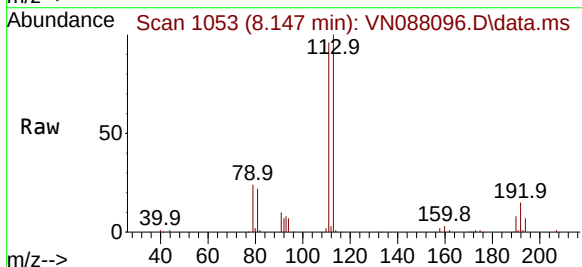
Tgt Ion:113 Resp: 169179

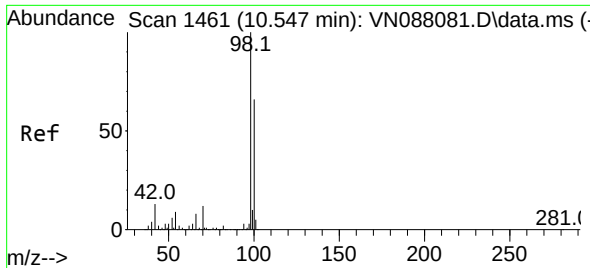
Ion Ratio Lower Upper

113 100

111 101.0 82.8 124.2

192 15.8 12.8 19.2

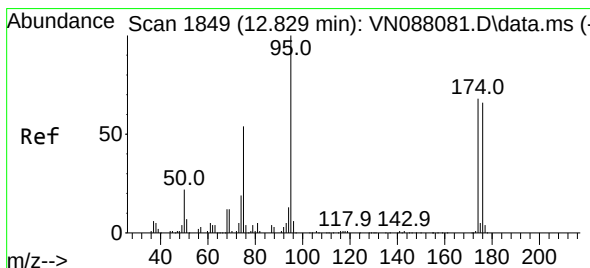
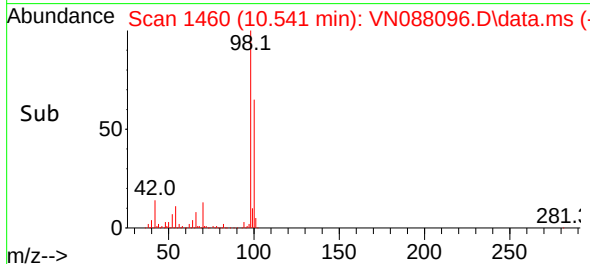
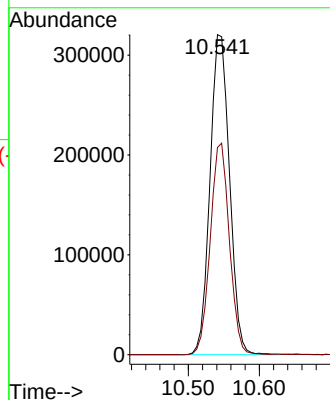
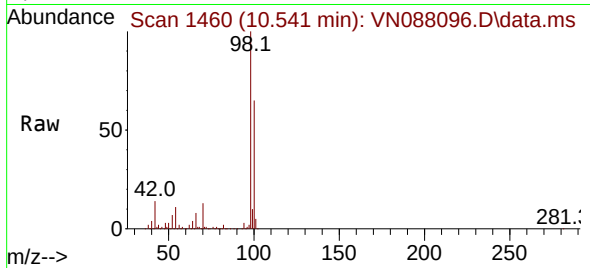




#50
Toluene-d8
Concen: 49.355 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088096.D
Acq: 24 Oct 2025 15:59

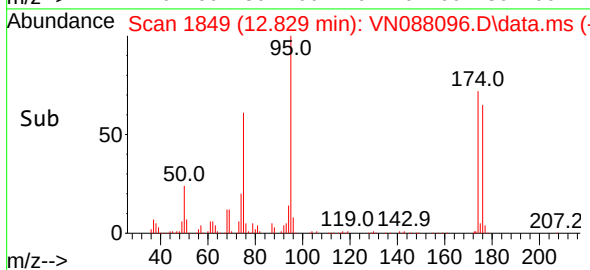
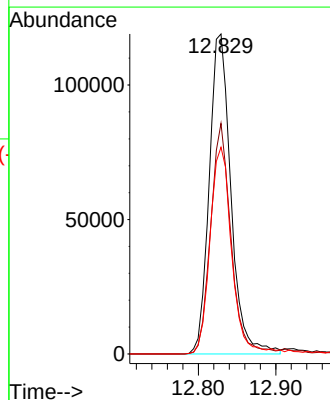
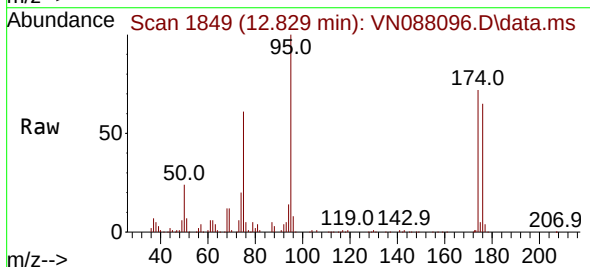
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

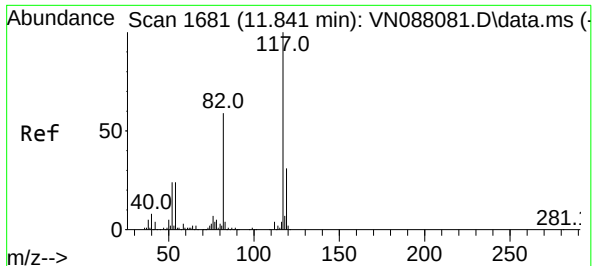
Tgt Ion: 98 Resp: 610839
Ion Ratio Lower Upper
98 100
100 64.8 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 52.907 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088096.D
Acq: 24 Oct 2025 15:59

Tgt Ion: 95 Resp: 231255
Ion Ratio Lower Upper
95 100
174 67.6 0.0 138.4
176 63.6 0.0 132.6

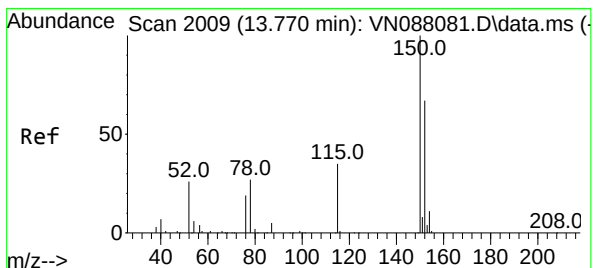
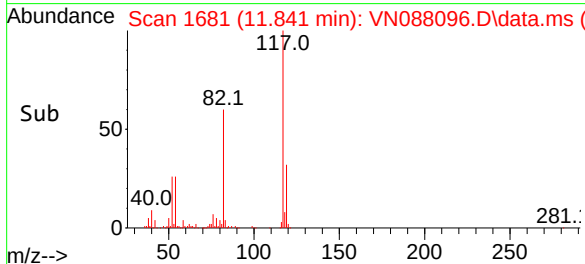
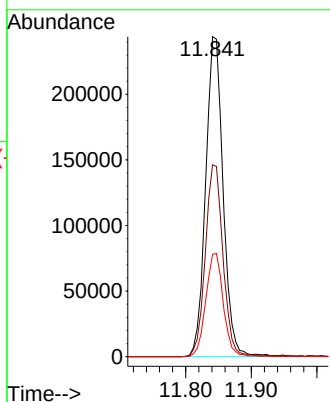
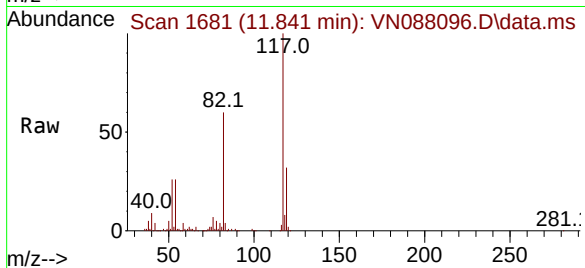




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088096.D
Acq: 24 Oct 2025 15:59

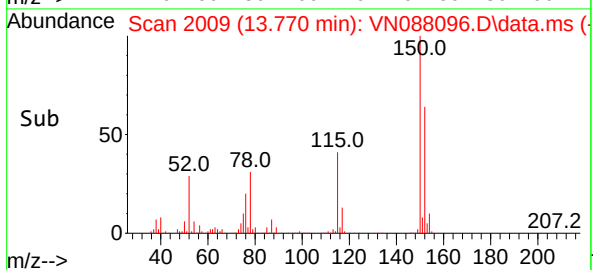
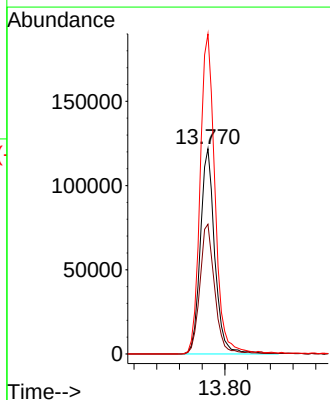
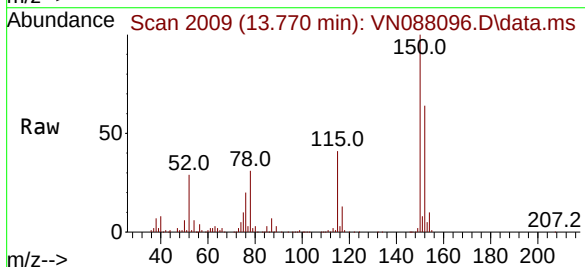
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Tgt Ion:117 Resp: 452361
Ion Ratio Lower Upper
117 100
82 59.9 47.4 71.2
119 32.0 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: VN088096.D
Acq: 24 Oct 2025 15:59

Tgt Ion:152 Resp: 215681
Ion Ratio Lower Upper
152 100
115 64.7 32.3 96.8
150 158.9 0.0 351.0



Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: STORAGE-BLANK-WATE
 Lab Sample ID: Q3463-02
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level : LOW
 Final Vol: 5000 uL

Date Collected: 10/17/25
 Date Received: 10/24/25
 SDG No.: Q3463
 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 16:20	VN102425
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	10/24/25 16:20	VN102425
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	10/24/25 16:20	VN102425
141-78-6	Ethyl Acetate	0.31	U	1	0.31	1.00	ug/L	10/24/25 16:20	VN102425
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	10/24/25 16:20	VN102425
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	10/24/25 16:20	VN102425
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	10/24/25 16:20	VN102425
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	10/24/25 16:20	VN102425
75-65-0	Tert butyl alcohol	5.50	U	1	5.50	25.0	ug/L	10/24/25 16:20	VN102425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/24/25 16:20	VN102425
107-02-8	Acrolein	7.10	U	1	7.10	25.0	ug/L	10/24/25 16:20	VN102425
107-13-1	Acrylonitrile	0.83	U	1	0.83	5.00	ug/L	10/24/25 16:20	VN102425
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	10/24/25 16:20	VN102425
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	10/24/25 16:20	VN102425
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	10/24/25 16:20	VN102425
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	10/24/25 16:20	VN102425
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	10/24/25 16:20	VN102425
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/24/25 16:20	VN102425
108-05-4	Vinyl Acetate	0.66	U	1	0.66	5.00	ug/L	10/24/25 16:20	VN102425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	10/24/25 16:20	VN102425
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	10/24/25 16:20	VN102425
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	10/24/25 16:20	VN102425
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	10/24/25 16:20	VN102425
594-20-7	2,2-Dichloropropane	0.21	U	1	0.21	1.00	ug/L	10/24/25 16:20	VN102425
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	10/24/25 16:20	VN102425
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	10/24/25 16:20	VN102425
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	10/24/25 16:20	VN102425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	10/24/25 16:20	VN102425
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	10/24/25 16:20	VN102425
563-58-6	1,1-Dichloropropene	0.15	U	1	0.15	1.00	ug/L	10/24/25 16:20	VN102425
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	10/24/25 16:20	VN102425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	10/24/25 16:20	VN102425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	10/24/25 16:20	VN102425
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	10/24/25 16:20	VN102425
74-95-3	Dibromomethane	0.25	U	1	0.25	1.00	ug/L	10/24/25 16:20	VN102425
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	10/24/25 16:20	VN102425
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	10/24/25 16:20	VN102425
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	10/24/25 16:20	VN102425
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	10/24/25 16:20	VN102425
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	10/24/25 16:20	VN102425
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	10/24/25 16:20	VN102425
142-28-9	1,3-Dichloropropane	0.19	U	1	0.19	1.00	ug/L	10/24/25 16:20	VN102425
110-75-8	2-Chloroethyl Vinyl ether	0.30	U	1	0.30	5.00	ug/L	10/24/25 16:20	VN102425

Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: STORAGE-BLANK-WATE
 Lab Sample ID: Q3463-02
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level : LOW
 Final Vol: 5000 uL

Date Collected: 10/17/25
 Date Received: 10/24/25
 SDG No.: Q3463
 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 16:20	VN102425
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	10/24/25 16:20	VN102425
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	10/24/25 16:20	VN102425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	10/24/25 16:20	VN102425
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	10/24/25 16:20	VN102425
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	1	0.19	1.00	ug/L	10/24/25 16:20	VN102425
67-72-1	Hexachloroethane	0.32	U	1	0.32	1.00	ug/L	10/24/25 16:20	VN102425
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	10/24/25 16:20	VN102425
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	10/24/25 16:20	VN102425
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	10/24/25 16:20	VN102425
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	10/24/25 16:20	VN102425
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	10/24/25 16:20	VN102425
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	10/24/25 16:20	VN102425
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	10/24/25 16:20	VN102425
96-18-4	1,2,3-Trichloropropane	0.35	U	1	0.35	1.00	ug/L	10/24/25 16:20	VN102425
108-86-1	Bromobenzene	0.24	U	1	0.24	1.00	ug/L	10/24/25 16:20	VN102425
103-65-1	n-propylbenzene	0.13	U	1	0.13	1.00	ug/L	10/24/25 16:20	VN102425
95-49-8	2-Chlorotoluene	0.14	U	1	0.14	1.00	ug/L	10/24/25 16:20	VN102425
108-67-8	1,3,5-Trimethylbenzene	0.15	U	1	0.15	1.00	ug/L	10/24/25 16:20	VN102425
106-43-4	4-Chlorotoluene	0.13	U	1	0.13	1.00	ug/L	10/24/25 16:20	VN102425
98-06-6	tert-Butylbenzene	0.14	U	1	0.14	1.00	ug/L	10/24/25 16:20	VN102425
95-63-6	1,2,4-Trimethylbenzene	0.14	U	1	0.14	1.00	ug/L	10/24/25 16:20	VN102425
135-98-8	sec-Butylbenzene	0.13	U	1	0.13	1.00	ug/L	10/24/25 16:20	VN102425
99-87-6	p-Isopropyltoluene	0.13	U	1	0.13	1.00	ug/L	10/24/25 16:20	VN102425
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/24/25 16:20	VN102425
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	10/24/25 16:20	VN102425
104-51-8	n-Butylbenzene	0.15	U	1	0.15	1.00	ug/L	10/24/25 16:20	VN102425
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/24/25 16:20	VN102425
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	10/24/25 16:20	VN102425
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/24/25 16:20	VN102425
87-68-3	Hexachlorobutadiene	0.30	U	1	0.30	1.00	ug/L	10/24/25 16:20	VN102425
91-20-3	Naphthalene	0.20	U	1	0.20	1.00	ug/L	10/24/25 16:20	VN102425
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/24/25 16:20	VN102425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	58.4		74 - 125	117%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	49.3		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		77 - 121	106%	SPK: 50

INTERNAL STANDARDS

Area Count

363-72-4	Pentafluorobenzene	216000
540-36-3	1,4-Difluorobenzene	480000
3114-55-4	Chlorobenzene-d5	451000
3855-82-1	1,4-Dichlorobenzene-d4	216000



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

Report of Analysis

Client: Chemtech Consulting Group
Project: Weekly Storage Blanks
Client Sample ID: STORAGE-BLANK-WATE
Lab Sample ID: Q3463-02
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/17/25
Date Received: 10/24/25
SDG No.: Q3463
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 : VN088097.D
 Acq On : 24 Oct 2025 16:20
 Operator : JC\MD
 Sample : Q3463-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Oct 25 01:07:42 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	215750	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	480262	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	450816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	216067	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	217753	58.367	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 116.740%	
35) Dibromofluoromethane	8.147	113	166321	51.550	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.100%	
50) Toluene-d8	10.547	98	612899	49.300	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.600%	
62) 4-Bromofluorobenzene	12.829	95	233122	53.097	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 106.200%	

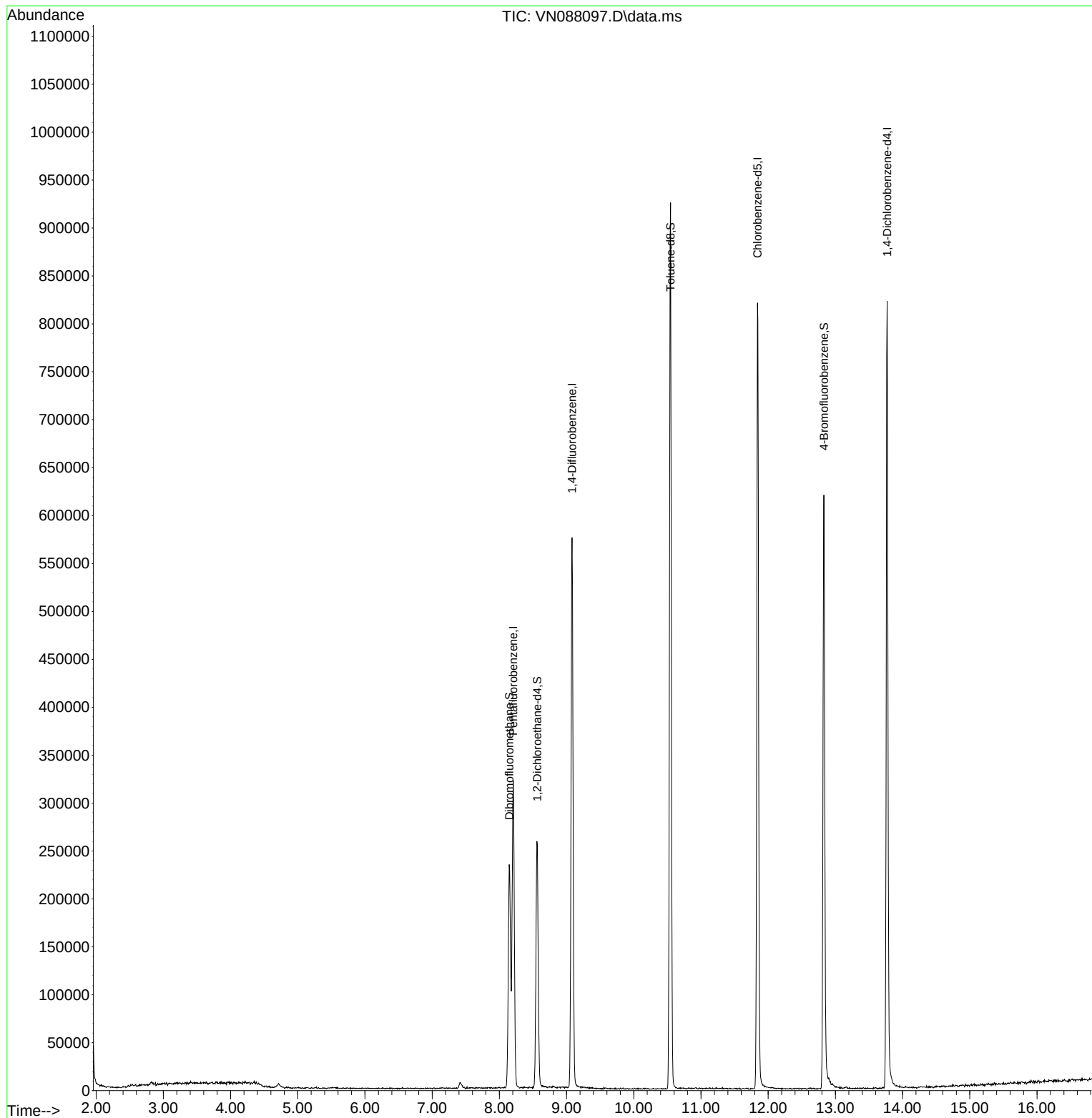
Target Compounds	Qvalue

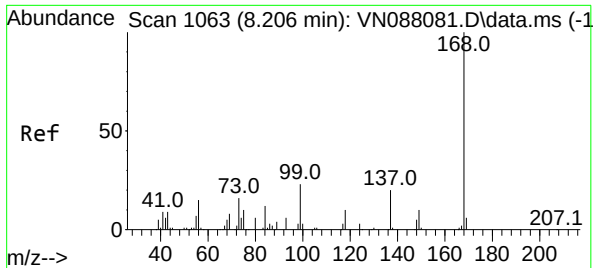
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
Data File : VN088097.D
Acq On : 24 Oct 2025 16:20
Operator : JC\MD
Sample : Q3463-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Oct 25 01:07:42 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

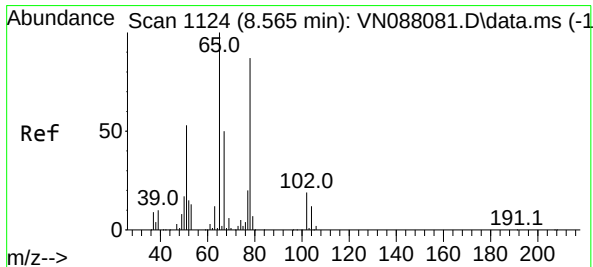
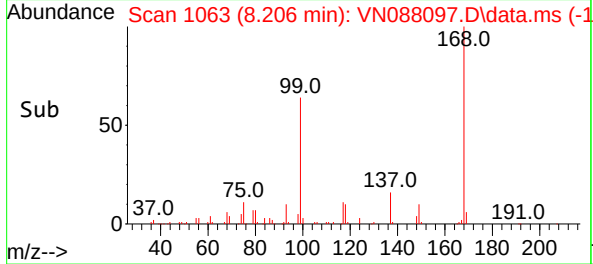
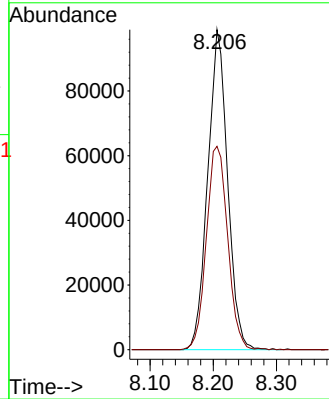
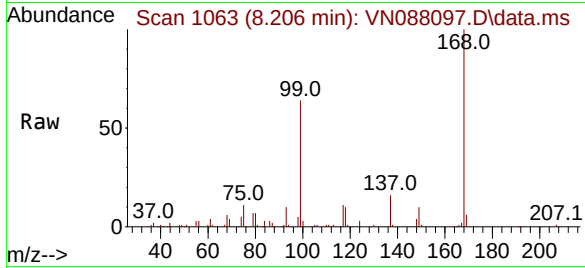




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088097.D
Acq: 24 Oct 2025 16:20

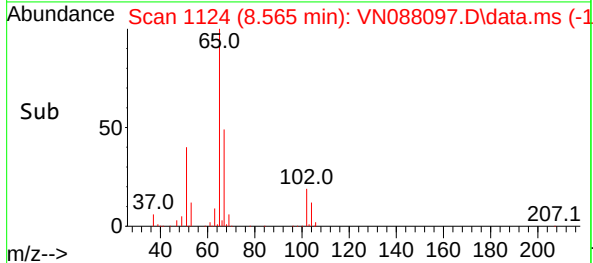
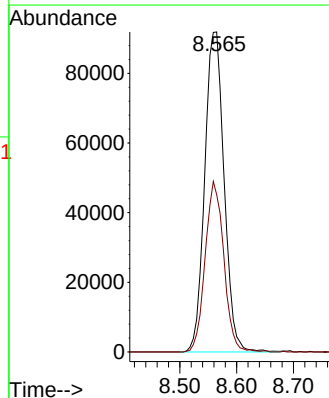
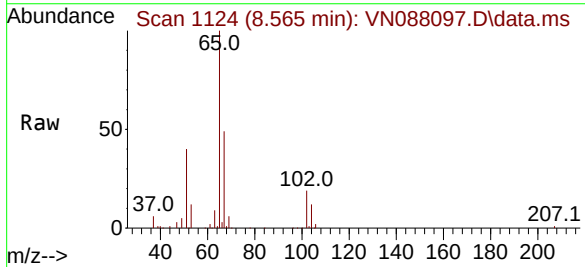
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

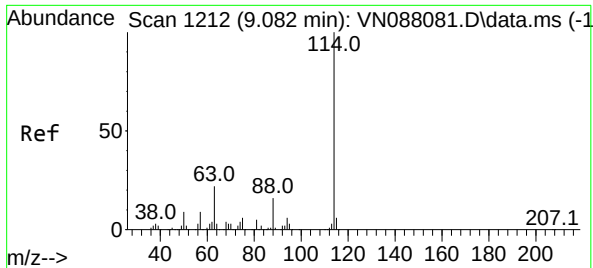
Tgt Ion:168 Resp: 215750
Ion Ratio Lower Upper
168 100
99 63.5 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 58.367 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN088097.D
Acq: 24 Oct 2025 16:20

Tgt Ion: 65 Resp: 217753
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: VN088097.D

Acq: 24 Oct 2025 16:20

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

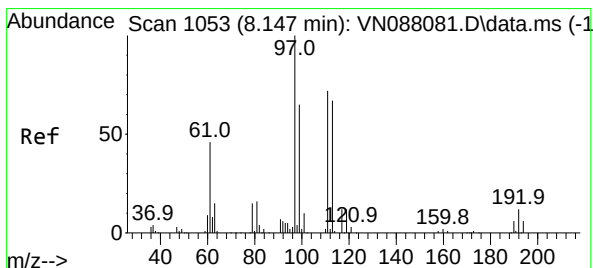
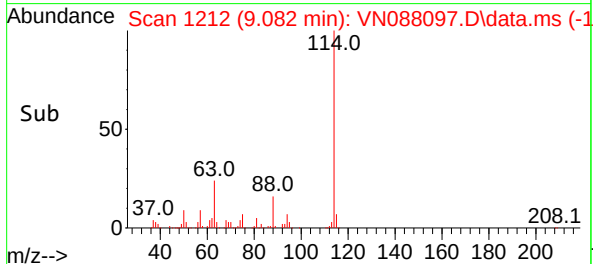
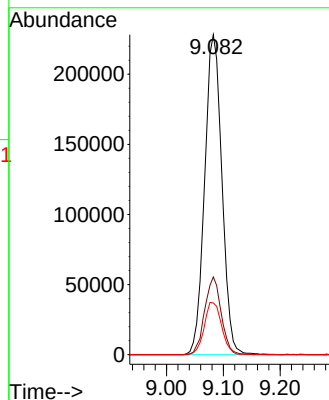
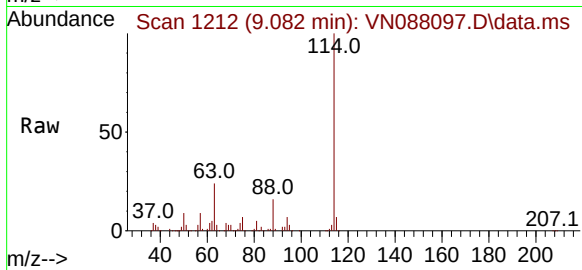
Tgt Ion:114 Resp: 480262

Ion Ratio Lower Upper

114 100

63 24.3 0.0 45.2

88 16.2 0.0 33.4



#35

Dibromofluoromethane

Concen: 51.550 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088097.D

Acq: 24 Oct 2025 16:20

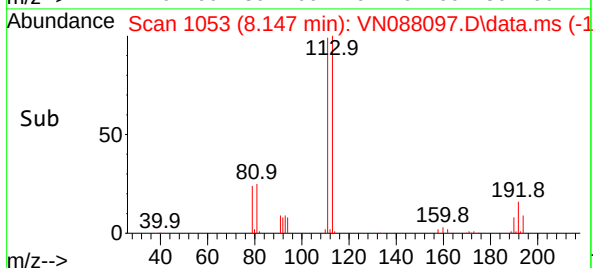
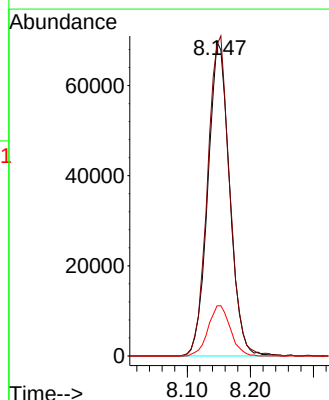
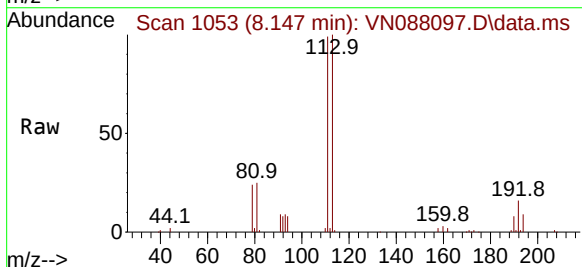
Tgt Ion:113 Resp: 166321

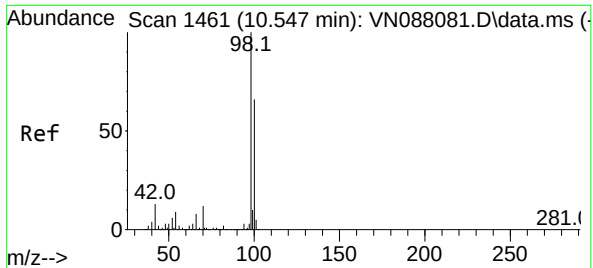
Ion Ratio Lower Upper

113 100

111 103.7 82.8 124.2

192 16.4 12.8 19.2

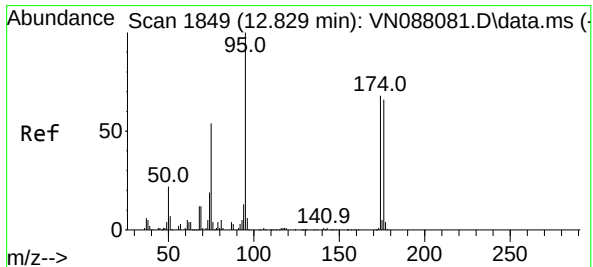
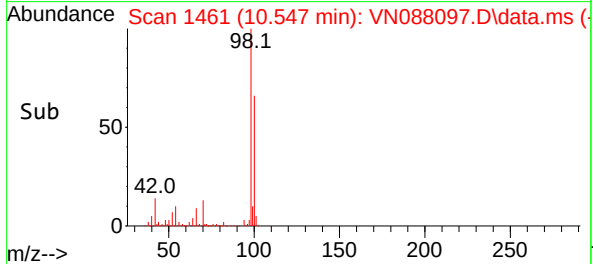
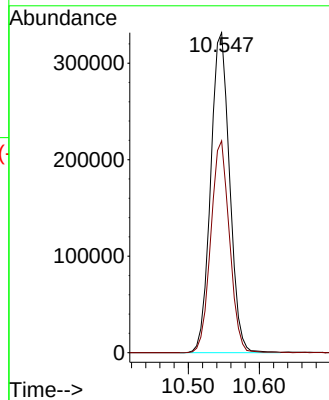
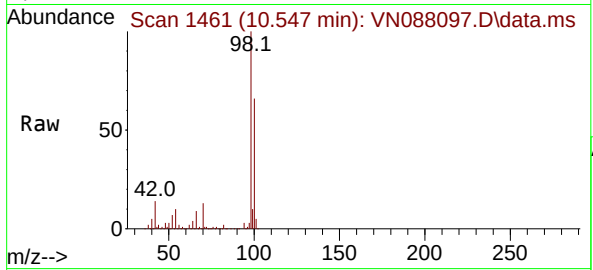




#50
Toluene-d8
Concen: 49.300 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088097.D
Acq: 24 Oct 2025 16:20

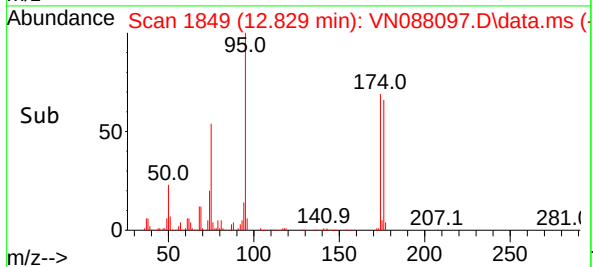
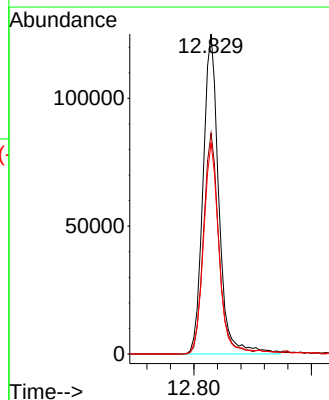
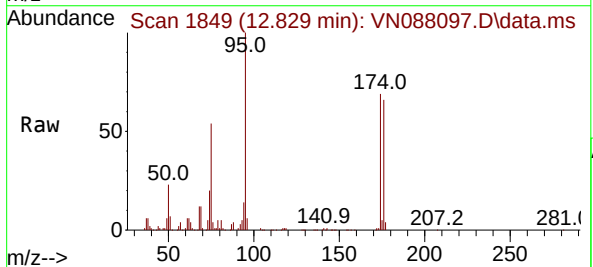
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

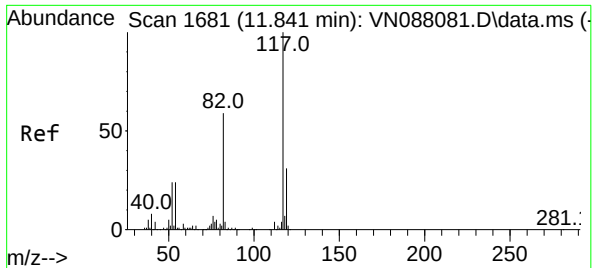
Tgt Ion: 98 Resp: 612899
Ion Ratio Lower Upper
98 100
100 65.3 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 53.097 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088097.D
Acq: 24 Oct 2025 16:20

Tgt Ion: 95 Resp: 233122
Ion Ratio Lower Upper
95 100
174 66.8 0.0 138.4
176 65.4 0.0 132.6

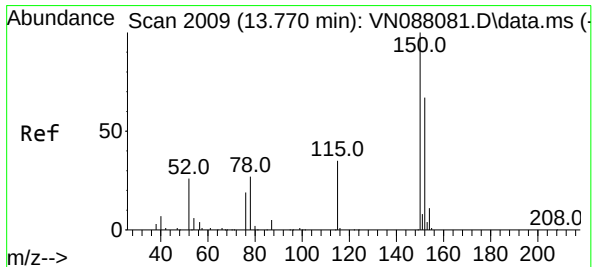
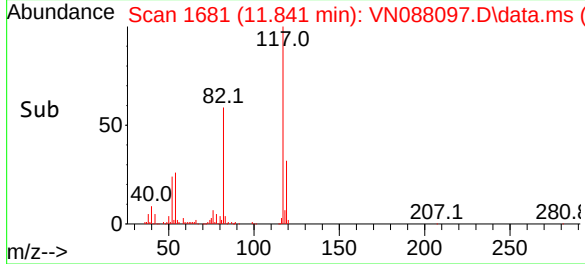
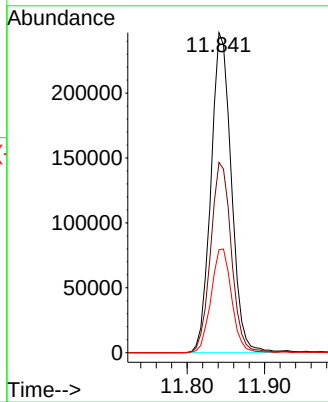
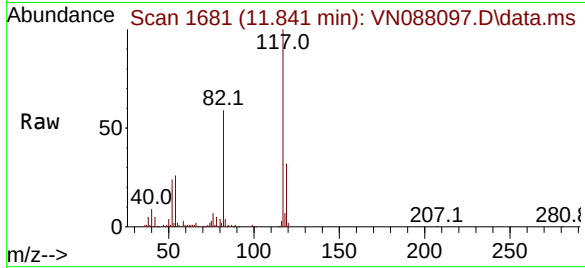




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN088097.D
Acq: 24 Oct 2025 16:20

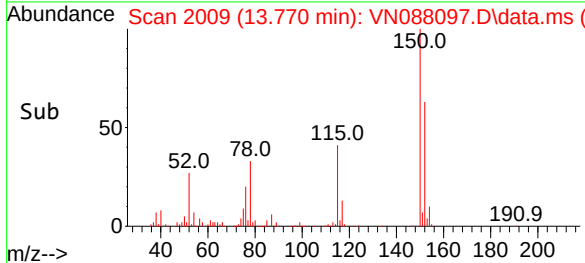
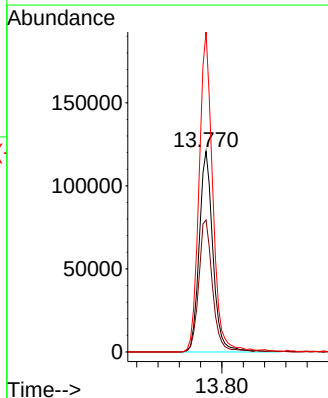
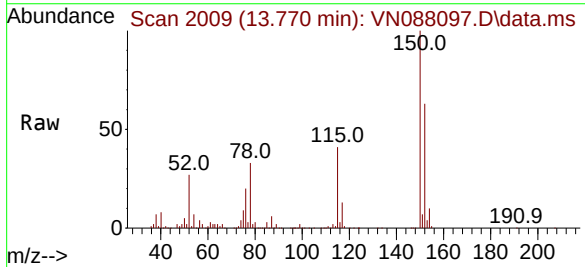
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

Tgt Ion:	117	Resp:	450816
Ion Ratio	Lower	Upper	
117	100		
82	59.4	47.4	71.2
119	32.2	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: VN088097.D
Acq: 24 Oct 2025 16:20

Tgt Ion:	152	Resp:	216067
Ion Ratio	Lower	Upper	
152	100		
115	66.1	32.3	96.8
150	157.7	0.0	351.0



Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: STORAGE-BLANK-WATE
 Lab Sample ID: Q3463-03
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level : LOW
 Final Vol: 5000 uL

Date Collected: 10/17/25
 Date Received: 10/24/25
 SDG No.: Q3463
 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 16:41	VN102425
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	10/24/25 16:41	VN102425
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	10/24/25 16:41	VN102425
141-78-6	Ethyl Acetate	0.31	U	1	0.31	1.00	ug/L	10/24/25 16:41	VN102425
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	10/24/25 16:41	VN102425
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	10/24/25 16:41	VN102425
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	10/24/25 16:41	VN102425
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	10/24/25 16:41	VN102425
75-65-0	Tert butyl alcohol	5.50	U	1	5.50	25.0	ug/L	10/24/25 16:41	VN102425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/24/25 16:41	VN102425
107-02-8	Acrolein	7.10	U	1	7.10	25.0	ug/L	10/24/25 16:41	VN102425
107-13-1	Acrylonitrile	0.83	U	1	0.83	5.00	ug/L	10/24/25 16:41	VN102425
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	10/24/25 16:41	VN102425
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	10/24/25 16:41	VN102425
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	10/24/25 16:41	VN102425
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	10/24/25 16:41	VN102425
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	10/24/25 16:41	VN102425
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/24/25 16:41	VN102425
108-05-4	Vinyl Acetate	0.66	U	1	0.66	5.00	ug/L	10/24/25 16:41	VN102425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	10/24/25 16:41	VN102425
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	10/24/25 16:41	VN102425
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	10/24/25 16:41	VN102425
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	10/24/25 16:41	VN102425
594-20-7	2,2-Dichloropropane	0.21	U	1	0.21	1.00	ug/L	10/24/25 16:41	VN102425
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	10/24/25 16:41	VN102425
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	10/24/25 16:41	VN102425
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	10/24/25 16:41	VN102425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	10/24/25 16:41	VN102425
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	10/24/25 16:41	VN102425
563-58-6	1,1-Dichloropropene	0.15	U	1	0.15	1.00	ug/L	10/24/25 16:41	VN102425
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	10/24/25 16:41	VN102425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	10/24/25 16:41	VN102425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	10/24/25 16:41	VN102425
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	10/24/25 16:41	VN102425
74-95-3	Dibromomethane	0.25	U	1	0.25	1.00	ug/L	10/24/25 16:41	VN102425
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	10/24/25 16:41	VN102425
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	10/24/25 16:41	VN102425
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	10/24/25 16:41	VN102425
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	10/24/25 16:41	VN102425
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	10/24/25 16:41	VN102425
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	10/24/25 16:41	VN102425
142-28-9	1,3-Dichloropropane	0.19	U	1	0.19	1.00	ug/L	10/24/25 16:41	VN102425
110-75-8	2-Chloroethyl Vinyl ether	0.30	U	1	0.30	5.00	ug/L	10/24/25 16:41	VN102425

Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: STORAGE-BLANK-WATE
 Lab Sample ID: Q3463-03
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level : LOW
 Final Vol: 5000 uL

Date Collected: 10/17/25
 Date Received: 10/24/25
 SDG No.: Q3463
 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 16:41	VN102425
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	10/24/25 16:41	VN102425
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	10/24/25 16:41	VN102425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	10/24/25 16:41	VN102425
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	10/24/25 16:41	VN102425
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	1	0.19	1.00	ug/L	10/24/25 16:41	VN102425
67-72-1	Hexachloroethane	0.32	U	1	0.32	1.00	ug/L	10/24/25 16:41	VN102425
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	10/24/25 16:41	VN102425
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	10/24/25 16:41	VN102425
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	10/24/25 16:41	VN102425
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	10/24/25 16:41	VN102425
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	10/24/25 16:41	VN102425
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	10/24/25 16:41	VN102425
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	10/24/25 16:41	VN102425
96-18-4	1,2,3-Trichloropropane	0.35	U	1	0.35	1.00	ug/L	10/24/25 16:41	VN102425
108-86-1	Bromobenzene	0.24	U	1	0.24	1.00	ug/L	10/24/25 16:41	VN102425
103-65-1	n-propylbenzene	0.13	U	1	0.13	1.00	ug/L	10/24/25 16:41	VN102425
95-49-8	2-Chlorotoluene	0.14	U	1	0.14	1.00	ug/L	10/24/25 16:41	VN102425
108-67-8	1,3,5-Trimethylbenzene	0.15	U	1	0.15	1.00	ug/L	10/24/25 16:41	VN102425
106-43-4	4-Chlorotoluene	0.13	U	1	0.13	1.00	ug/L	10/24/25 16:41	VN102425
98-06-6	tert-Butylbenzene	0.14	U	1	0.14	1.00	ug/L	10/24/25 16:41	VN102425
95-63-6	1,2,4-Trimethylbenzene	0.14	U	1	0.14	1.00	ug/L	10/24/25 16:41	VN102425
135-98-8	sec-Butylbenzene	0.13	U	1	0.13	1.00	ug/L	10/24/25 16:41	VN102425
99-87-6	p-Isopropyltoluene	0.13	U	1	0.13	1.00	ug/L	10/24/25 16:41	VN102425
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/24/25 16:41	VN102425
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	10/24/25 16:41	VN102425
104-51-8	n-Butylbenzene	0.15	U	1	0.15	1.00	ug/L	10/24/25 16:41	VN102425
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/24/25 16:41	VN102425
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	10/24/25 16:41	VN102425
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/24/25 16:41	VN102425
87-68-3	Hexachlorobutadiene	0.30	U	1	0.30	1.00	ug/L	10/24/25 16:41	VN102425
91-20-3	Naphthalene	0.20	U	1	0.20	1.00	ug/L	10/24/25 16:41	VN102425
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/24/25 16:41	VN102425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	62.6		74 - 125	125%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	49.2		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.0		77 - 121	110%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	240000
540-36-3	1,4-Difluorobenzene	542000
3114-55-4	Chlorobenzene-d5	517000
3855-82-1	1,4-Dichlorobenzene-d4	256000



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

Report of Analysis

Client: Chemtech Consulting Group

Project: Weekly Storage Blanks

Client Sample ID: STORAGE-BLANK-WATE

Lab Sample ID: Q3463-03

Analytical Method: 8260D

Sample Wt/Vol: 5 mL

Level : LOW

Final Vol: 5000 uL

Date Collected: 10/17/25

Date Received: 10/24/25

SDG No.: Q3463

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 : VN088098.D
 Acq On : 24 Oct 2025 16:41
 Operator : JC\MD
 Sample : Q3463-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Oct 25 01:08:06 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	240302	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	541591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	517069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	255683	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	260134	62.603	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	125.200%#
35) Dibromofluoromethane	8.148	113	189342	52.039	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.080%
50) Toluene-d8	10.547	98	690069	49.222	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.440%
62) 4-Bromofluorobenzene	12.830	95	272274	54.992	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	109.980%

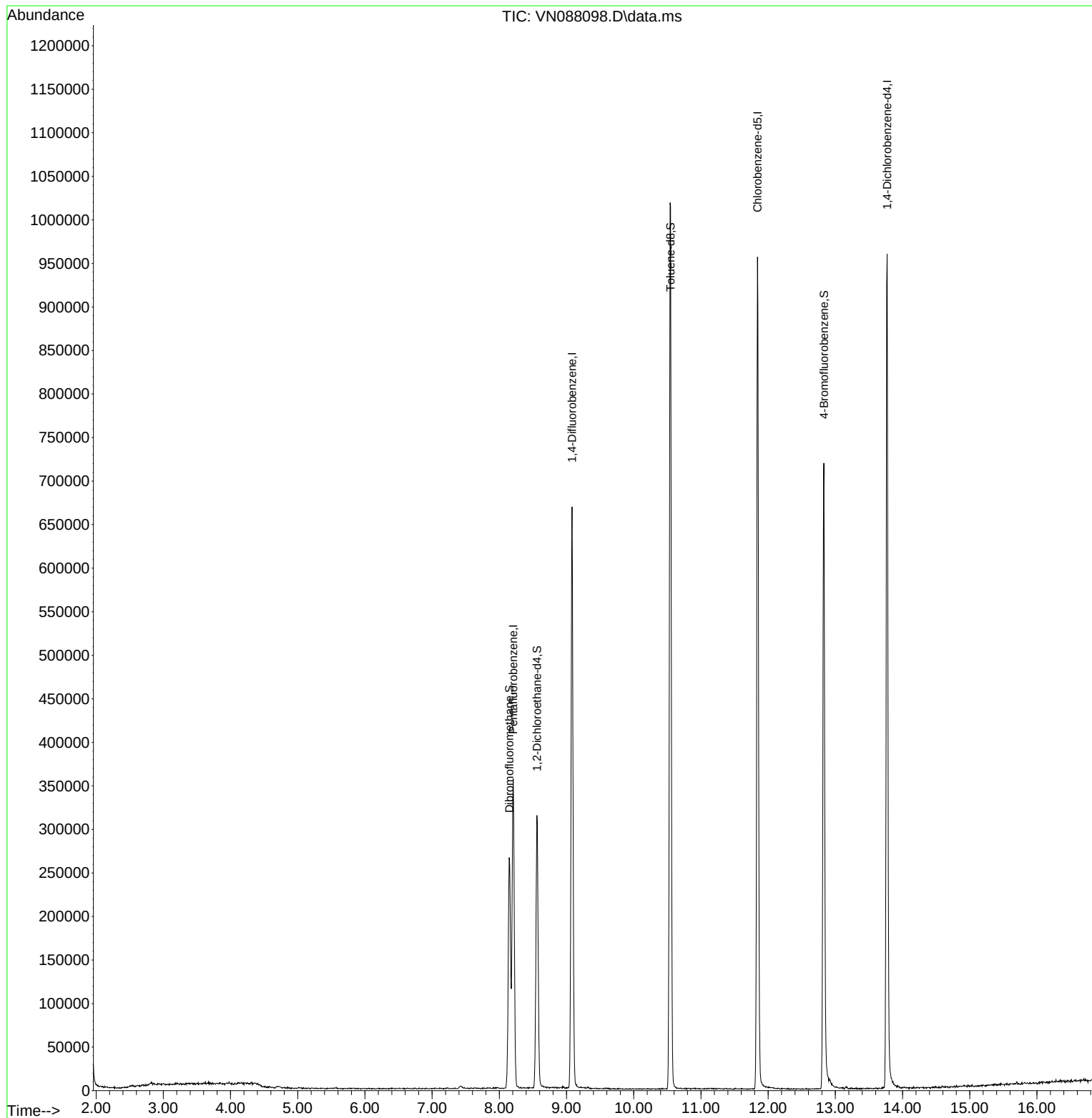
Target Compounds	Qvalue

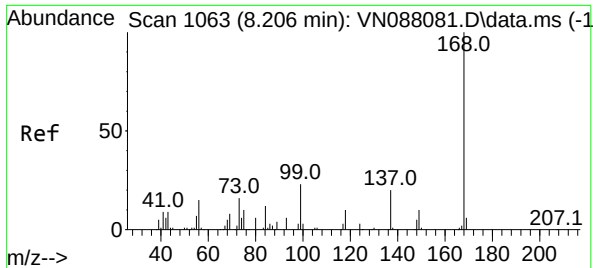
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
Data File : VN088098.D
Acq On : 24 Oct 2025 16:41
Operator : JC\MD
Sample : Q3463-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Oct 25 01:08:06 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

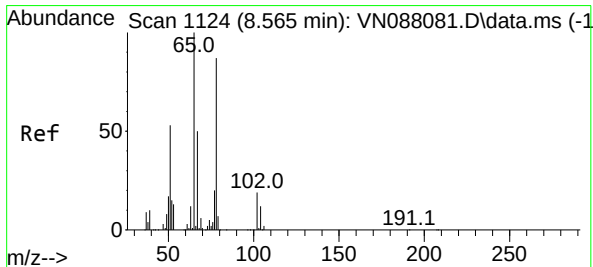
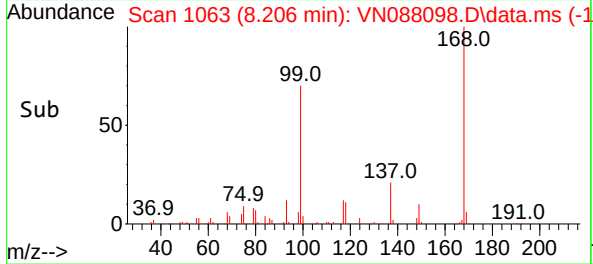
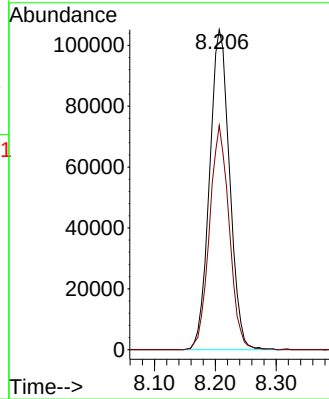
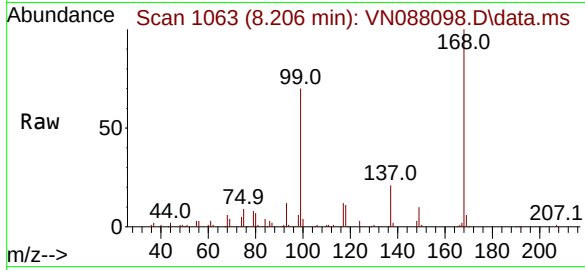




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088098.D
Acq: 24 Oct 2025 16:41

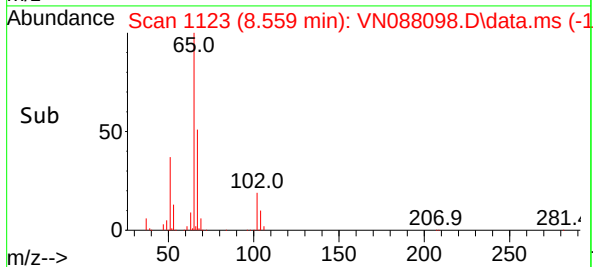
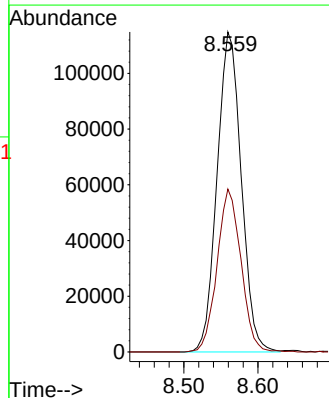
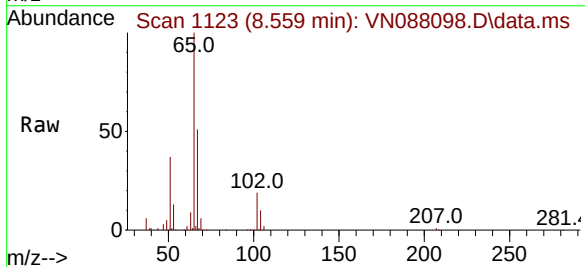
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

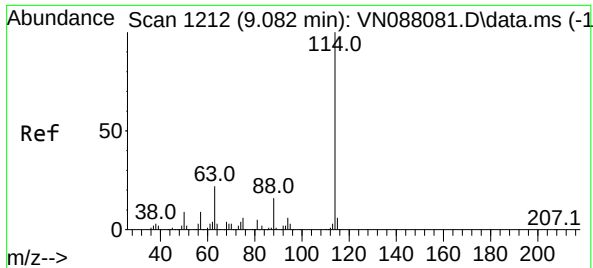
Tgt Ion:168 Resp: 240302
Ion Ratio Lower Upper
168 100
99 70.1 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 62.603 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088098.D
Acq: 24 Oct 2025 16:41

Tgt Ion: 65 Resp: 260134
Ion Ratio Lower Upper
65 100
67 50.5 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN088098.D

Acq: 24 Oct 2025 16:41

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

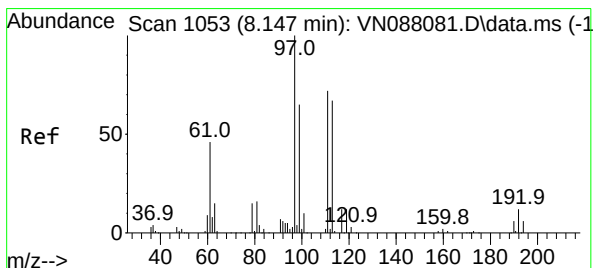
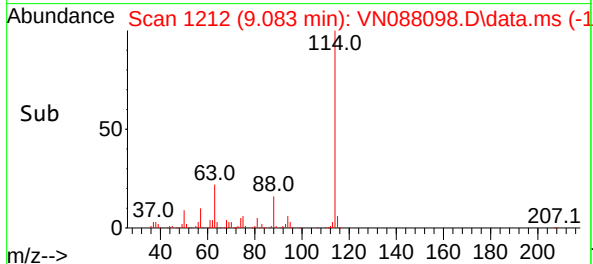
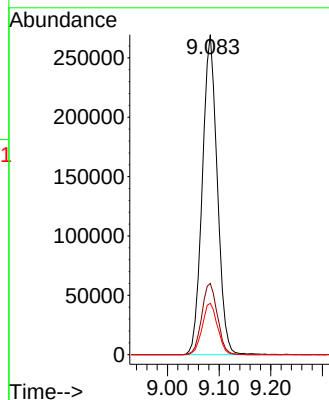
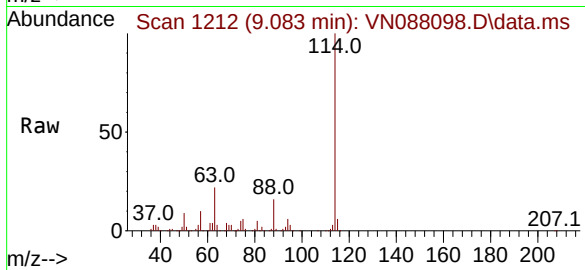
Tgt Ion:114 Resp: 541591

Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.2

88 16.1 0.0 33.4



#35

Dibromofluoromethane

Concen: 52.039 ug/l

RT: 8.148 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088098.D

Acq: 24 Oct 2025 16:41

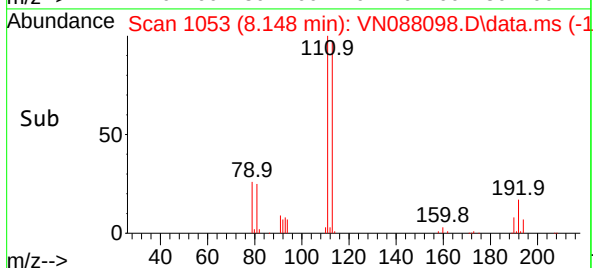
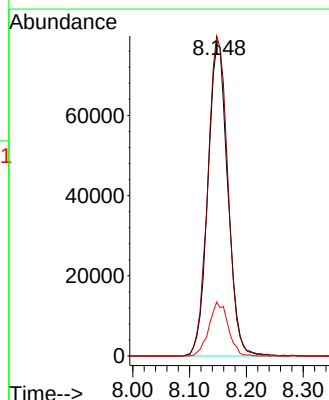
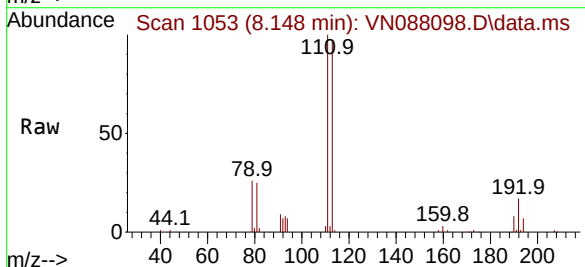
Tgt Ion:113 Resp: 189342

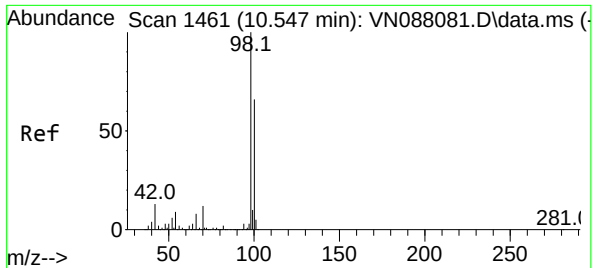
Ion Ratio Lower Upper

113 100

111 103.1 82.8 124.2

192 16.6 12.8 19.2

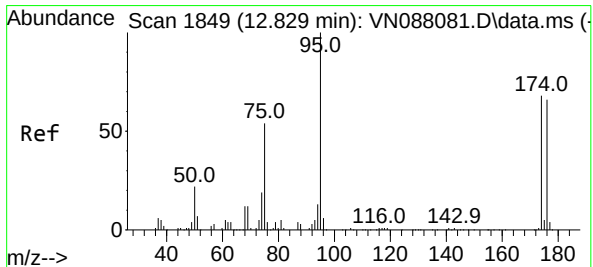
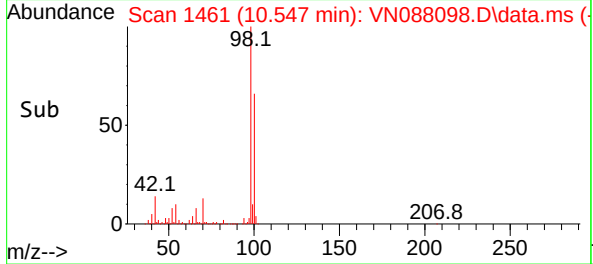
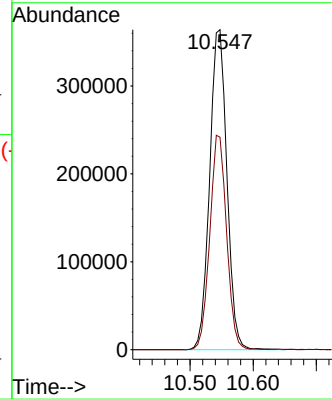
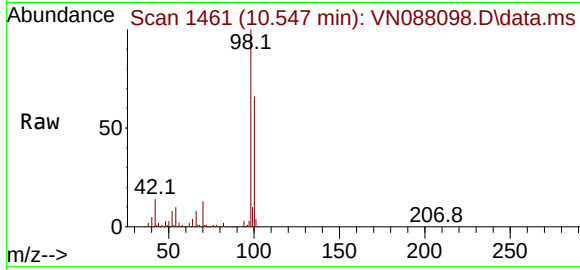




#50
Toluene-d8
Concen: 49.222 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088098.D
Acq: 24 Oct 2025 16:41

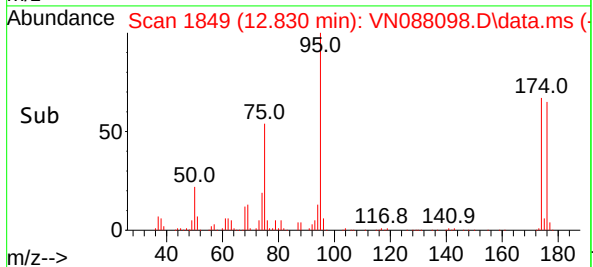
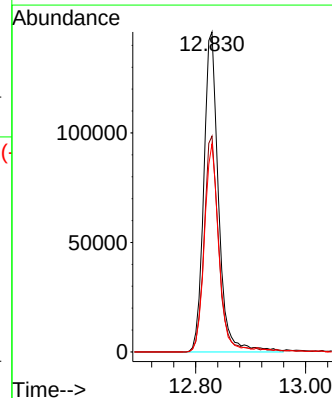
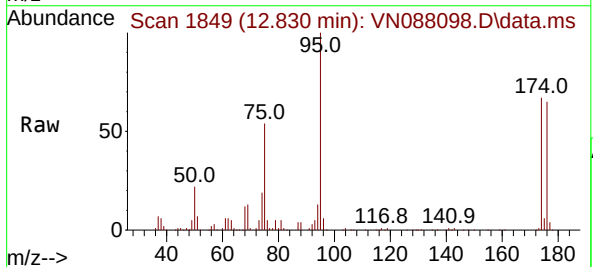
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

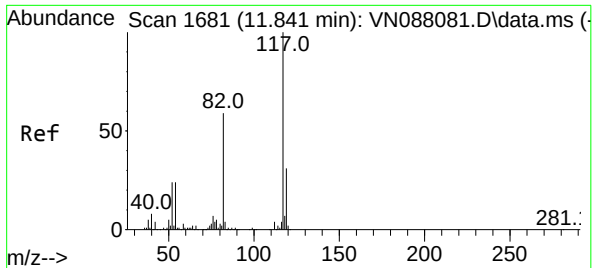
Tgt Ion: 98 Resp: 690069
Ion Ratio Lower Upper
98 100
100 65.3 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 54.992 ug/l
RT: 12.830 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088098.D
Acq: 24 Oct 2025 16:41

Tgt Ion: 95 Resp: 272274
Ion Ratio Lower Upper
95 100
174 67.4 0.0 138.4
176 63.8 0.0 132.6

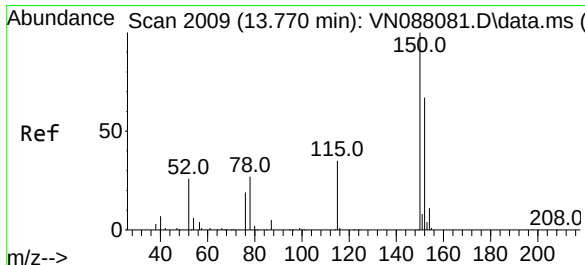
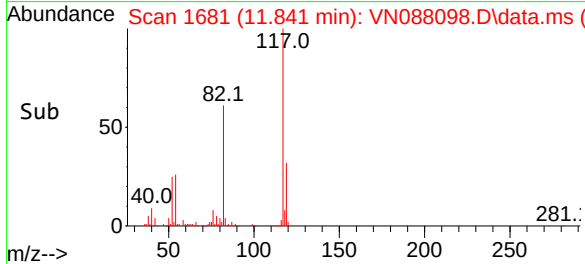
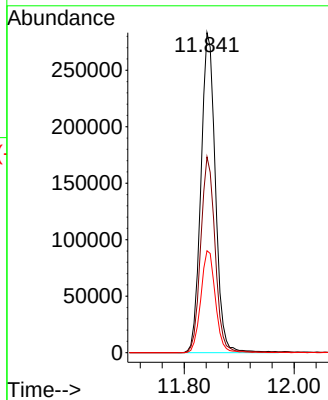
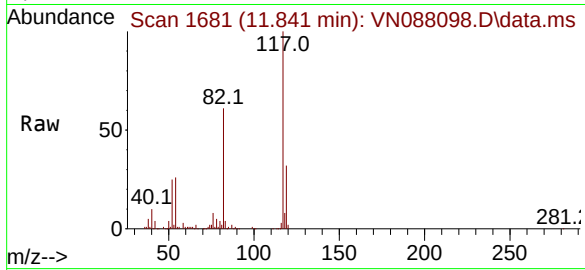




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN088098.D
Acq: 24 Oct 2025 16:41

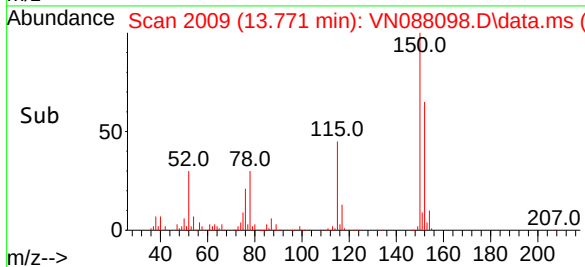
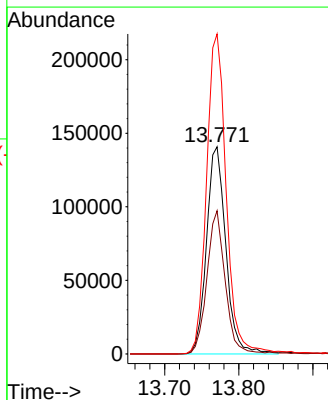
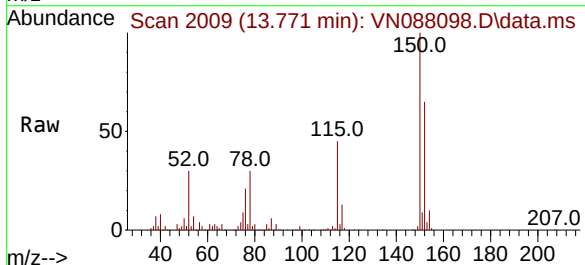
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

Tgt Ion:117 Resp: 517069
Ion Ratio Lower Upper
117 100
82 61.2 47.4 71.2
119 31.9 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: VN088098.D
Acq: 24 Oct 2025 16:41

Tgt Ion:152 Resp: 255683
Ion Ratio Lower Upper
152 100
115 65.5 32.3 96.8
150 157.2 0.0 351.0



Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: STORAGE-BLANK-SAMP
 Lab Sample ID: Q3463-04
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 10/17/25
 Date Received: 10/24/25
 SDG No.: Q3463
 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 17:01	VN102425
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	10/24/25 17:01	VN102425
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	10/24/25 17:01	VN102425
141-78-6	Ethyl Acetate	0.31	U	1	0.31	1.00	ug/L	10/24/25 17:01	VN102425
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	10/24/25 17:01	VN102425
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	10/24/25 17:01	VN102425
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	10/24/25 17:01	VN102425
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	10/24/25 17:01	VN102425
75-65-0	Tert butyl alcohol	5.50	U	1	5.50	25.0	ug/L	10/24/25 17:01	VN102425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/24/25 17:01	VN102425
107-02-8	Acrolein	7.10	U	1	7.10	25.0	ug/L	10/24/25 17:01	VN102425
107-13-1	Acrylonitrile	0.83	U	1	0.83	5.00	ug/L	10/24/25 17:01	VN102425
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	10/24/25 17:01	VN102425
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	10/24/25 17:01	VN102425
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	10/24/25 17:01	VN102425
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	10/24/25 17:01	VN102425
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	10/24/25 17:01	VN102425
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/24/25 17:01	VN102425
108-05-4	Vinyl Acetate	0.66	U	1	0.66	5.00	ug/L	10/24/25 17:01	VN102425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	10/24/25 17:01	VN102425
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	10/24/25 17:01	VN102425
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	10/24/25 17:01	VN102425
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	10/24/25 17:01	VN102425
594-20-7	2,2-Dichloropropane	0.21	U	1	0.21	1.00	ug/L	10/24/25 17:01	VN102425
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	10/24/25 17:01	VN102425
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	10/24/25 17:01	VN102425
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	10/24/25 17:01	VN102425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	10/24/25 17:01	VN102425
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	10/24/25 17:01	VN102425
563-58-6	1,1-Dichloropropene	0.15	U	1	0.15	1.00	ug/L	10/24/25 17:01	VN102425
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	10/24/25 17:01	VN102425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	10/24/25 17:01	VN102425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	10/24/25 17:01	VN102425
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	10/24/25 17:01	VN102425
74-95-3	Dibromomethane	0.25	U	1	0.25	1.00	ug/L	10/24/25 17:01	VN102425
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	10/24/25 17:01	VN102425
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	10/24/25 17:01	VN102425
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	10/24/25 17:01	VN102425
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	10/24/25 17:01	VN102425
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	10/24/25 17:01	VN102425
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	10/24/25 17:01	VN102425
142-28-9	1,3-Dichloropropane	0.19	U	1	0.19	1.00	ug/L	10/24/25 17:01	VN102425
110-75-8	2-Chloroethyl Vinyl ether	0.30	U	1	0.30	5.00	ug/L	10/24/25 17:01	VN102425

Report of Analysis

Client: Chemtech Consulting Group
 Project: Weekly Storage Blanks
 Client Sample ID: STORAGE-BLANK-SAMP
 Lab Sample ID: Q3463-04
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level : LOW
 Final Vol: 5000 uL

Date Collected: 10/17/25
 Date Received: 10/24/25
 SDG No.: Q3463
 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 17:01	VN102425
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	10/24/25 17:01	VN102425
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	10/24/25 17:01	VN102425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	10/24/25 17:01	VN102425
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	10/24/25 17:01	VN102425
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	1	0.19	1.00	ug/L	10/24/25 17:01	VN102425
67-72-1	Hexachloroethane	0.32	U	1	0.32	1.00	ug/L	10/24/25 17:01	VN102425
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	10/24/25 17:01	VN102425
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	10/24/25 17:01	VN102425
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	10/24/25 17:01	VN102425
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	10/24/25 17:01	VN102425
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	10/24/25 17:01	VN102425
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	10/24/25 17:01	VN102425
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	10/24/25 17:01	VN102425
96-18-4	1,2,3-Trichloropropane	0.35	U	1	0.35	1.00	ug/L	10/24/25 17:01	VN102425
108-86-1	Bromobenzene	0.24	U	1	0.24	1.00	ug/L	10/24/25 17:01	VN102425
103-65-1	n-propylbenzene	0.13	U	1	0.13	1.00	ug/L	10/24/25 17:01	VN102425
95-49-8	2-Chlorotoluene	0.14	U	1	0.14	1.00	ug/L	10/24/25 17:01	VN102425
108-67-8	1,3,5-Trimethylbenzene	0.15	U	1	0.15	1.00	ug/L	10/24/25 17:01	VN102425
106-43-4	4-Chlorotoluene	0.13	U	1	0.13	1.00	ug/L	10/24/25 17:01	VN102425
98-06-6	tert-Butylbenzene	0.14	U	1	0.14	1.00	ug/L	10/24/25 17:01	VN102425
95-63-6	1,2,4-Trimethylbenzene	0.14	U	1	0.14	1.00	ug/L	10/24/25 17:01	VN102425
135-98-8	sec-Butylbenzene	0.13	U	1	0.13	1.00	ug/L	10/24/25 17:01	VN102425
99-87-6	p-Isopropyltoluene	0.13	U	1	0.13	1.00	ug/L	10/24/25 17:01	VN102425
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/24/25 17:01	VN102425
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	10/24/25 17:01	VN102425
104-51-8	n-Butylbenzene	0.15	U	1	0.15	1.00	ug/L	10/24/25 17:01	VN102425
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/24/25 17:01	VN102425
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	10/24/25 17:01	VN102425
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/24/25 17:01	VN102425
87-68-3	Hexachlorobutadiene	0.30	U	1	0.30	1.00	ug/L	10/24/25 17:01	VN102425
91-20-3	Naphthalene	0.20	U	1	0.20	1.00	ug/L	10/24/25 17:01	VN102425
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/24/25 17:01	VN102425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	59.6		74 - 125	119%	SPK: 50
1868-53-7	Dibromofluoromethane	53.0		75 - 124	106%	SPK: 50
2037-26-5	Toluene-d8	49.8		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.9		77 - 121	104%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	212000
540-36-3	1,4-Difluorobenzene	471000
3114-55-4	Chlorobenzene-d5	440000
3855-82-1	1,4-Dichlorobenzene-d4	215000



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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/17/25
Project:	Weekly Storage Blanks	Date Received:	10/24/25
Client Sample ID:	STORAGE-BLANK-SAMP	SDG No.:	Q3463
Lab Sample ID:	Q3463-04	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
------------	-----------	-------	------	----	-----	------------	-------	-----------	---------

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 : VN088099.D
 Acq On : 24 Oct 2025 17:01
 Operator : JC\MD
 Sample : Q3463-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Oct 25 01:08:29 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	212273	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	470823	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	440380	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	215469	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	218872	59.628	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	119.260%
35) Dibromofluoromethane	8.153	113	167663	53.007	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.020%
50) Toluene-d8	10.547	98	606966	49.802	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.600%
62) 4-Bromofluorobenzene	12.823	95	223273	51.873	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	103.740%

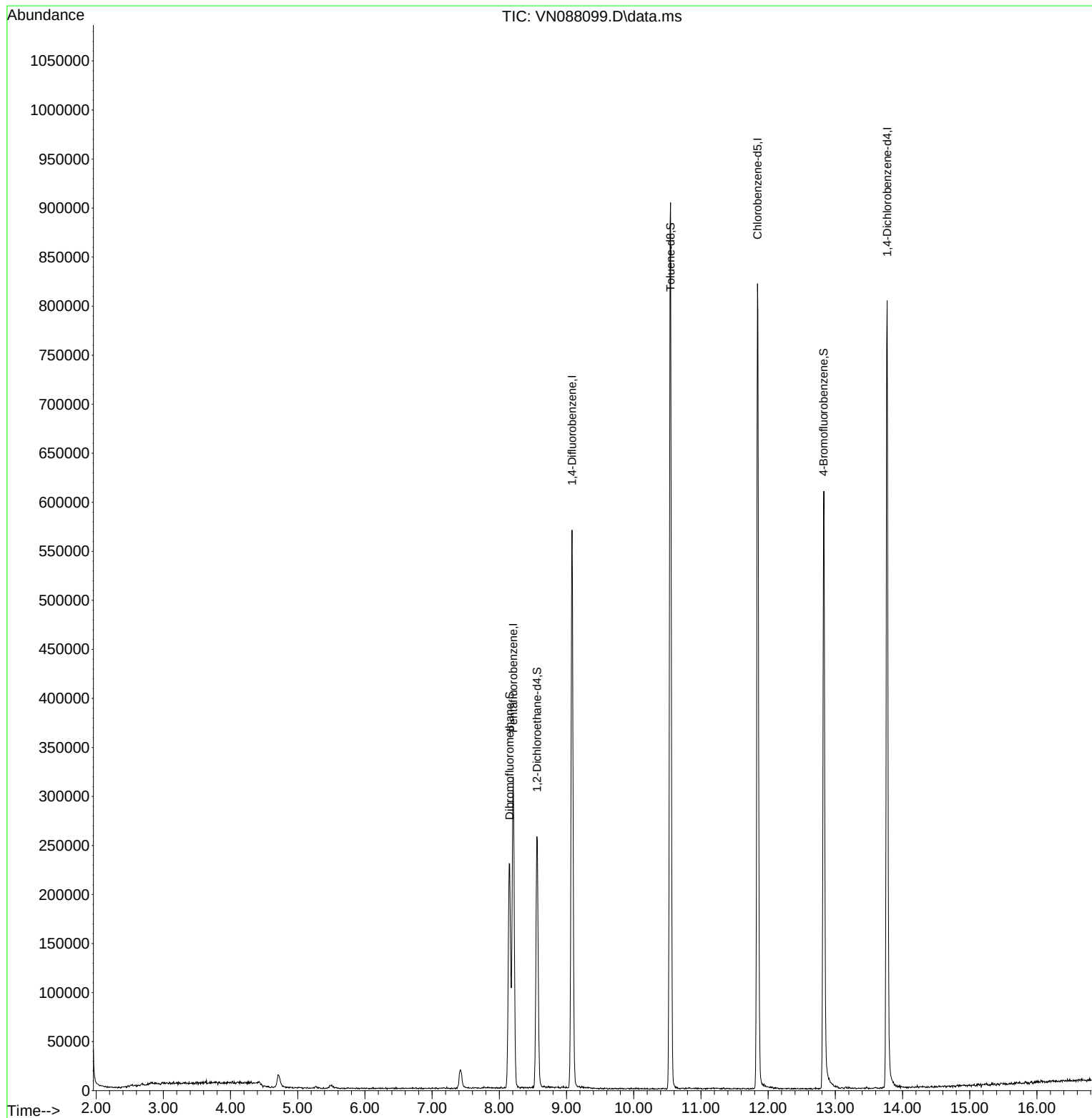
Target Compounds	Qvalue

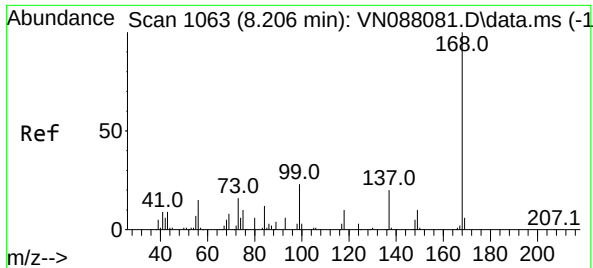
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
Data File : VN088099.D
Acq On : 24 Oct 2025 17:01
Operator : JC\MD
Sample : Q3463-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Oct 25 01:08:29 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

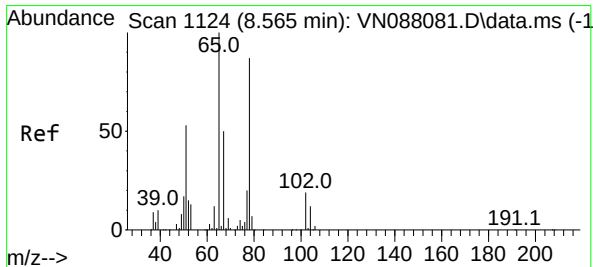
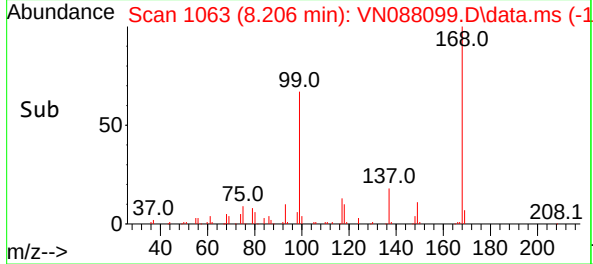
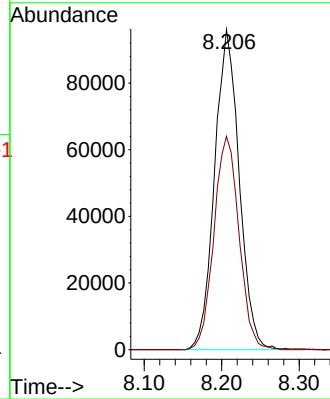
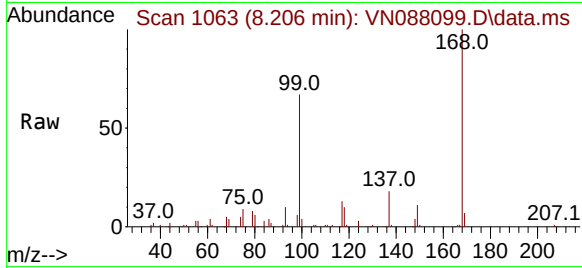




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN088099.D
Acq: 24 Oct 2025 17:01

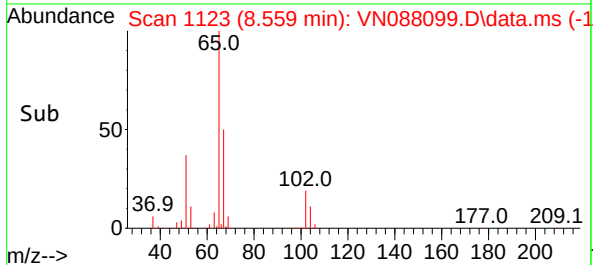
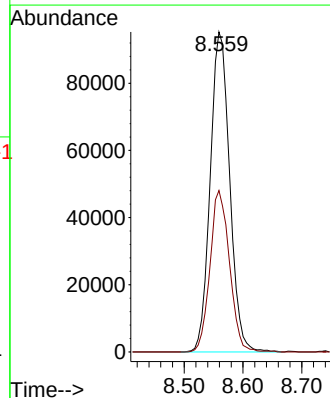
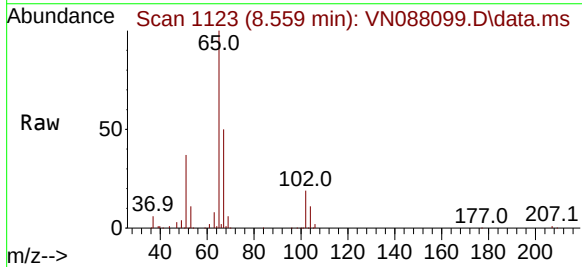
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

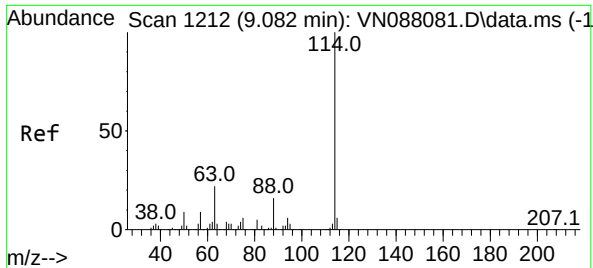
Tgt Ion:168 Resp: 212273
Ion Ratio Lower Upper
168 100
99 66.7 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 59.628 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088099.D
Acq: 24 Oct 2025 17:01

Tgt Ion: 65 Resp: 218872
Ion Ratio Lower Upper
65 100
67 50.6 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: VN088099.D

Acq: 24 Oct 2025 17:01

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANAGEMENT

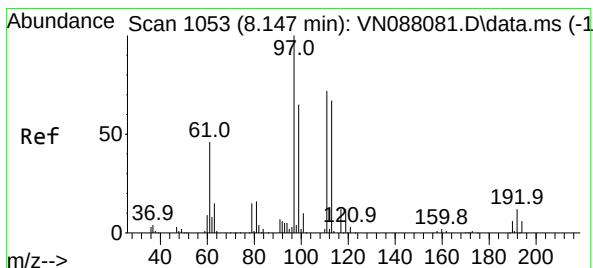
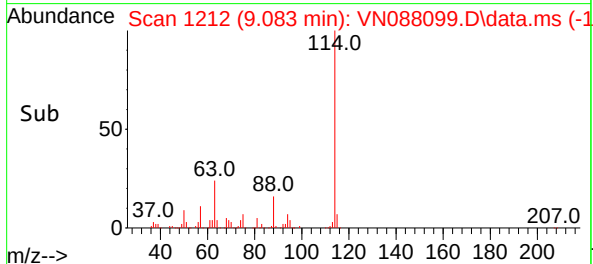
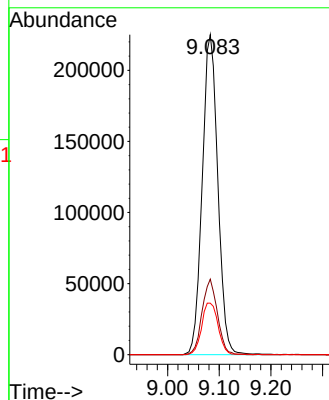
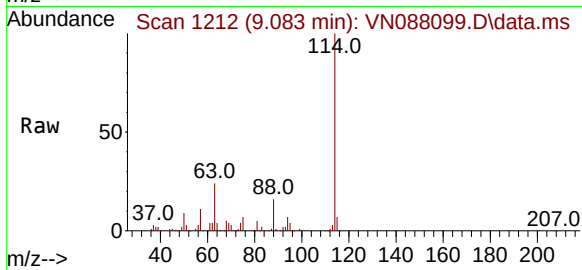
Tgt Ion:114 Resp: 470823

Ion Ratio Lower Upper

114 100

63 23.6 0.0 45.2

88 16.1 0.0 33.4



#35

Dibromofluoromethane

Concen: 53.007 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VN088099.D

Acq: 24 Oct 2025 17:01

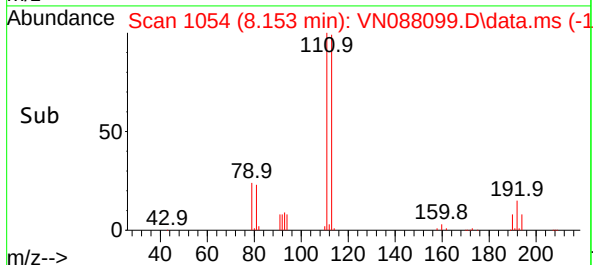
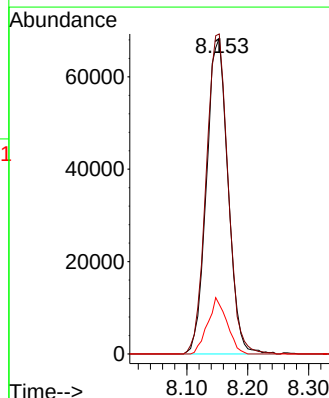
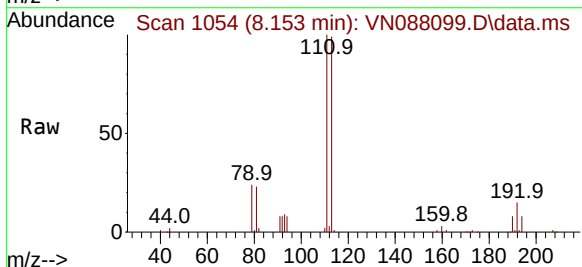
Tgt Ion:113 Resp: 167663

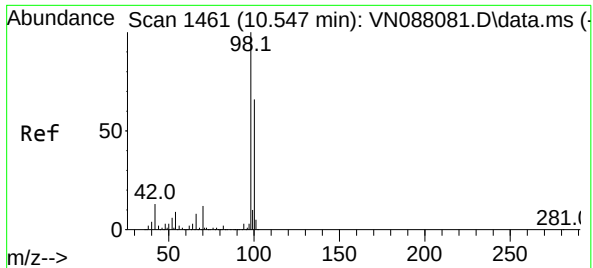
Ion Ratio Lower Upper

113 100

111 103.3 82.8 124.2

192 16.0 12.8 19.2

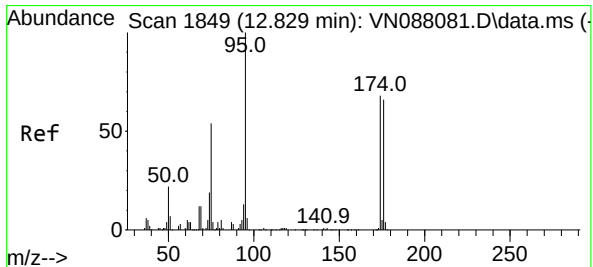
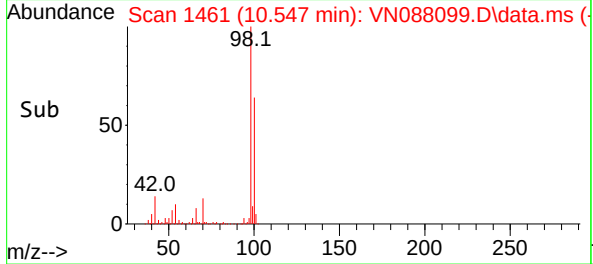
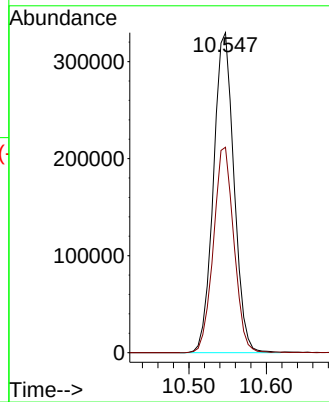
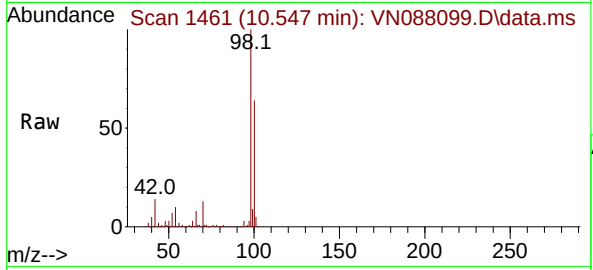




#50
Toluene-d8
Concen: 49.802 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088099.D
Acq: 24 Oct 2025 17:01

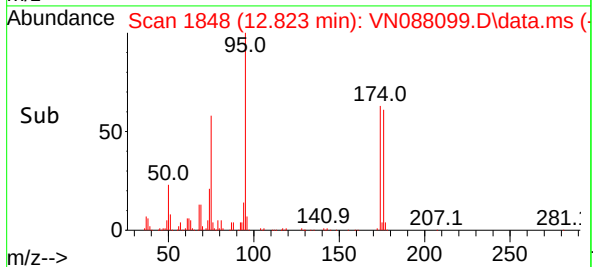
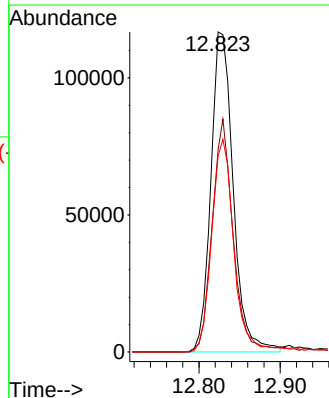
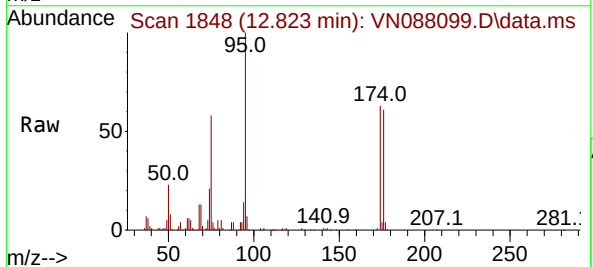
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

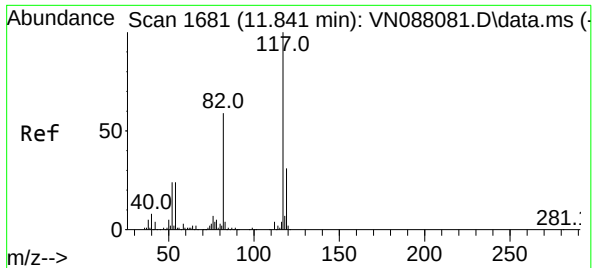
Tgt Ion: 98 Resp: 606966
Ion Ratio Lower Upper
98 100
100 64.0 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 51.873 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.000 min
Lab File: VN088099.D
Acq: 24 Oct 2025 17:01

Tgt Ion: 95 Resp: 223273
Ion Ratio Lower Upper
95 100
174 69.1 0.0 138.4
176 65.6 0.0 132.6

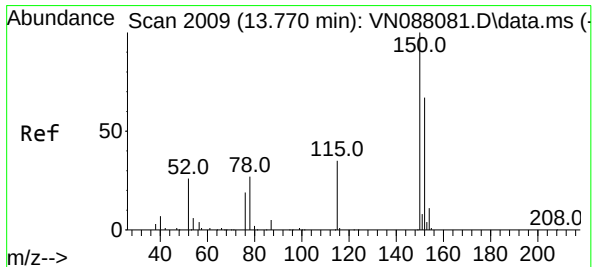
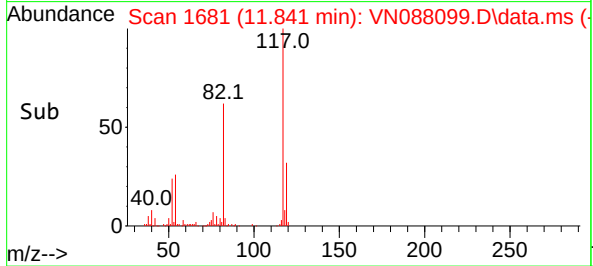
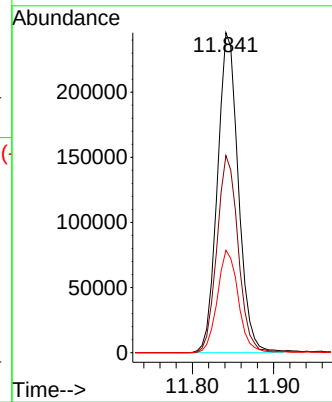
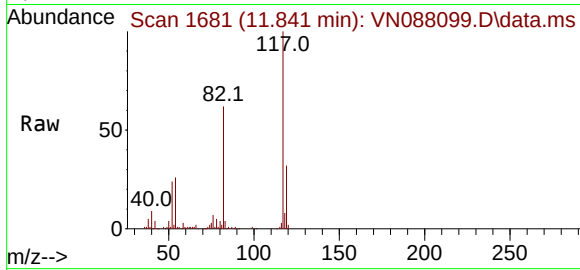




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088099.D
Acq: 24 Oct 2025 17:01

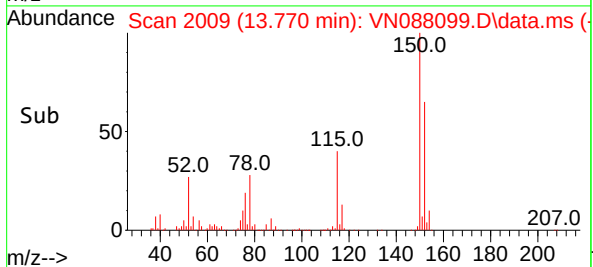
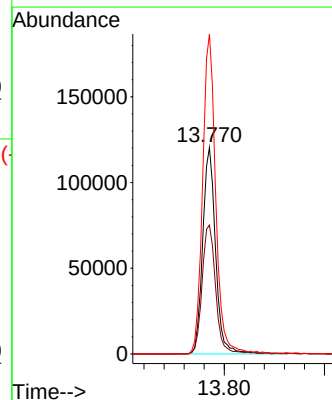
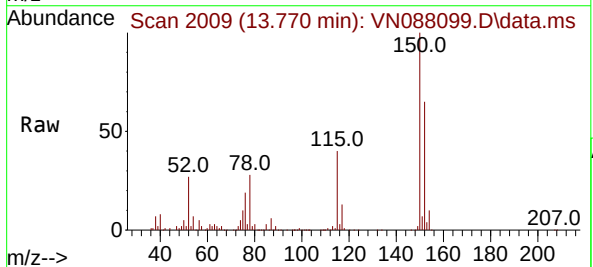
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

Tgt Ion	Ratio	Lower	Upper
117	100		
82	61.6	47.4	71.2
119	32.0	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: VN088099.D
Acq: 24 Oct 2025 17:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.9	32.3	96.8
150	157.0	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.: Q3463
 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.: Q3463
 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.: Q3463
 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-ethyl 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

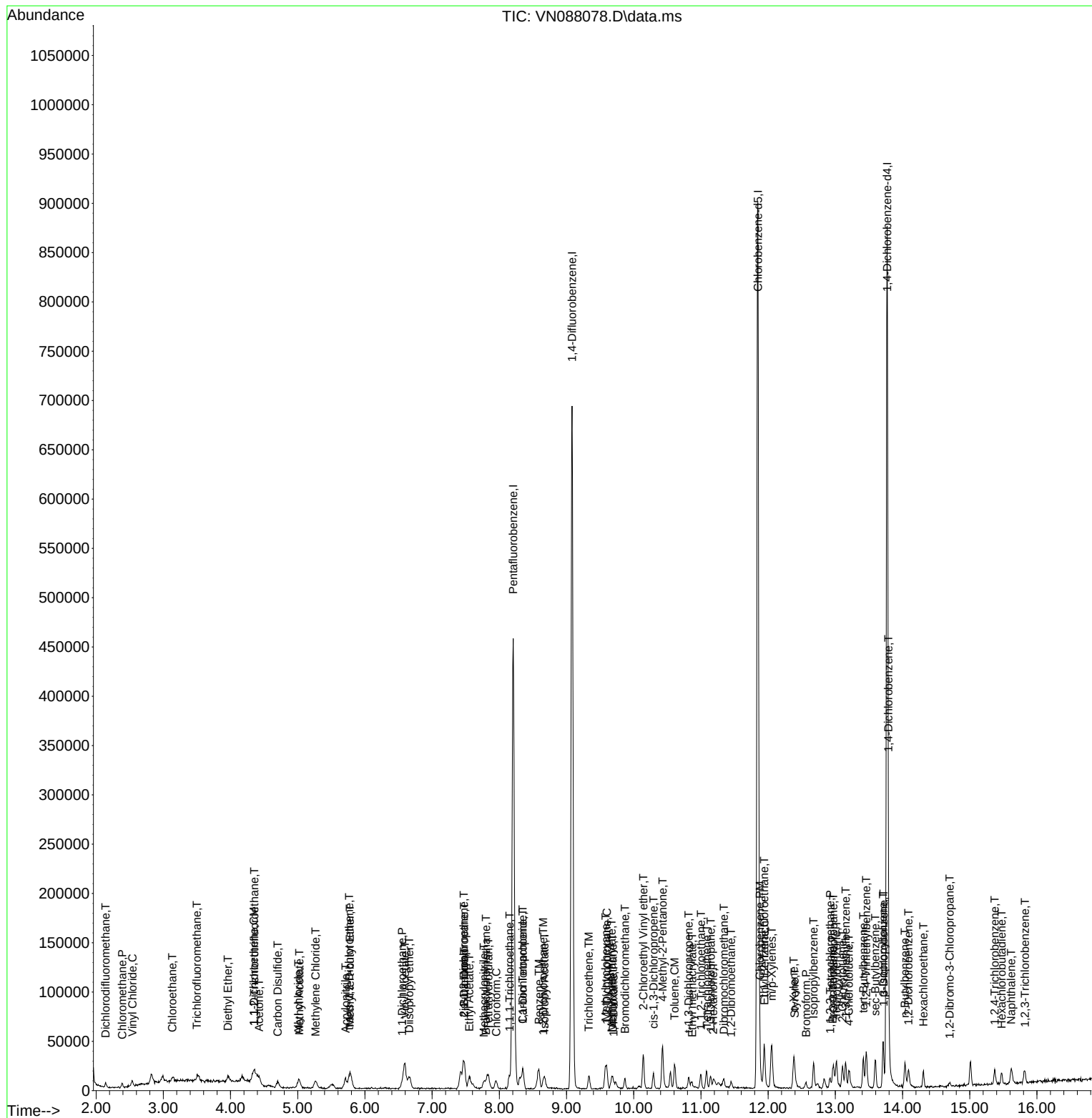
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.688	93	3222	1.022	ug/l	90
47) Bromodichloromethane	9.871	83	6578	1.042	ug/l #	99
48) Methyl methacrylate	9.671	41	5726m	1.057	ug/l	
49) 1,4-Dioxane	9.700	88	1238m	18.907	ug/l	
51) 4-Methyl-2-Pentanone	10.430	43	32109	4.760	ug/l	96
52)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

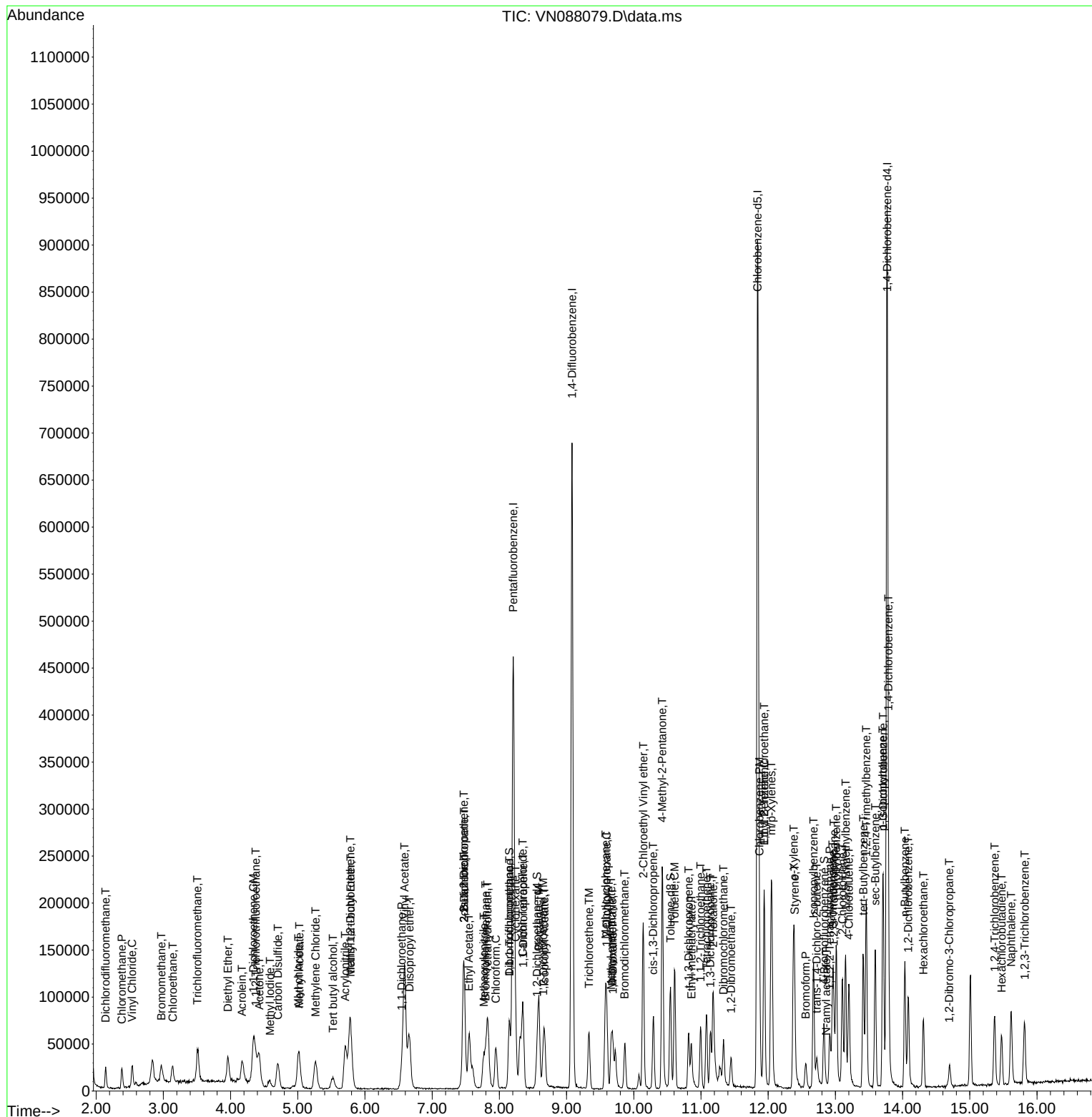
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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 : 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

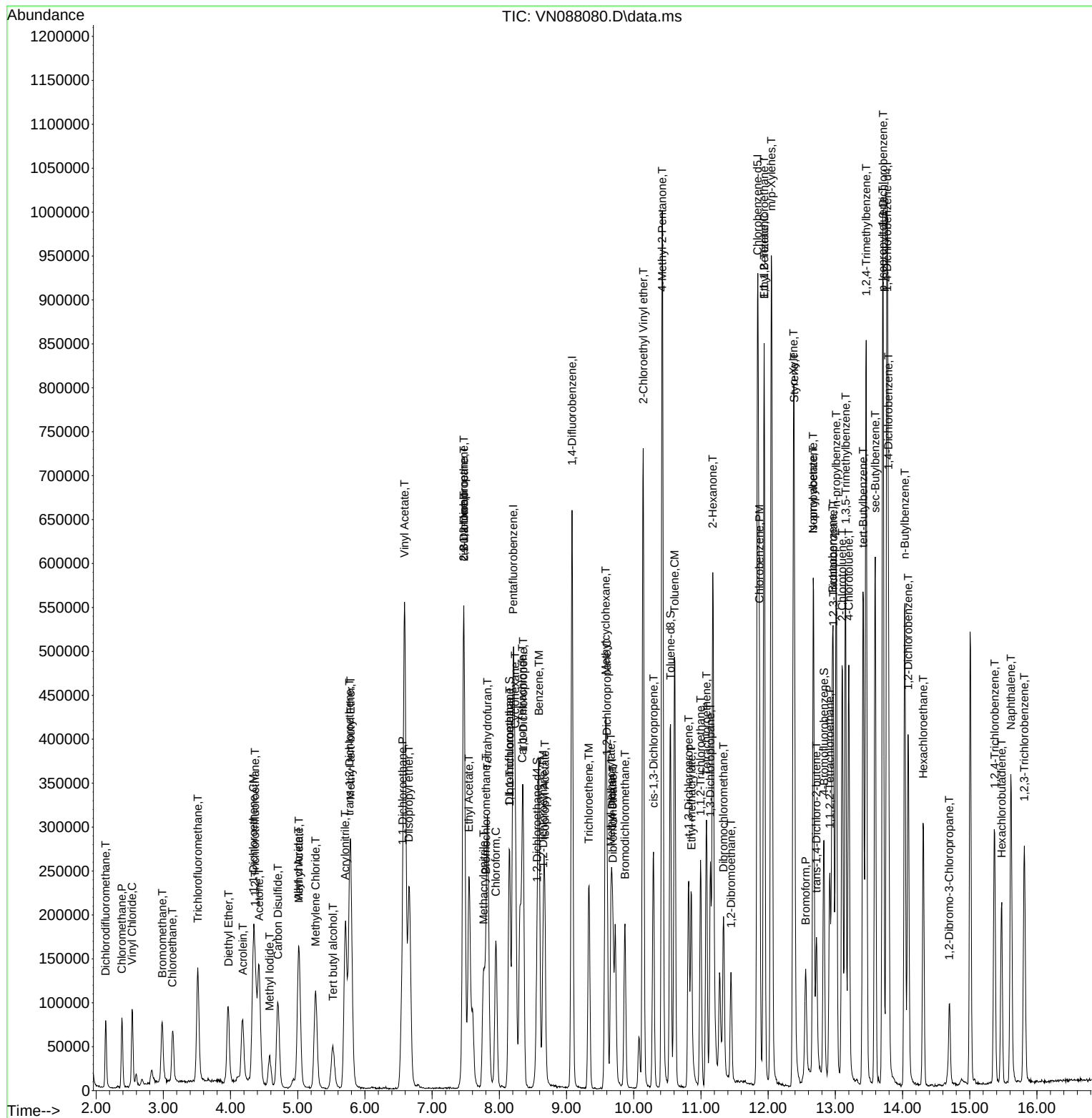
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Data File : VN088080.D
Acq On : 23 Oct 2025 10:59
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

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

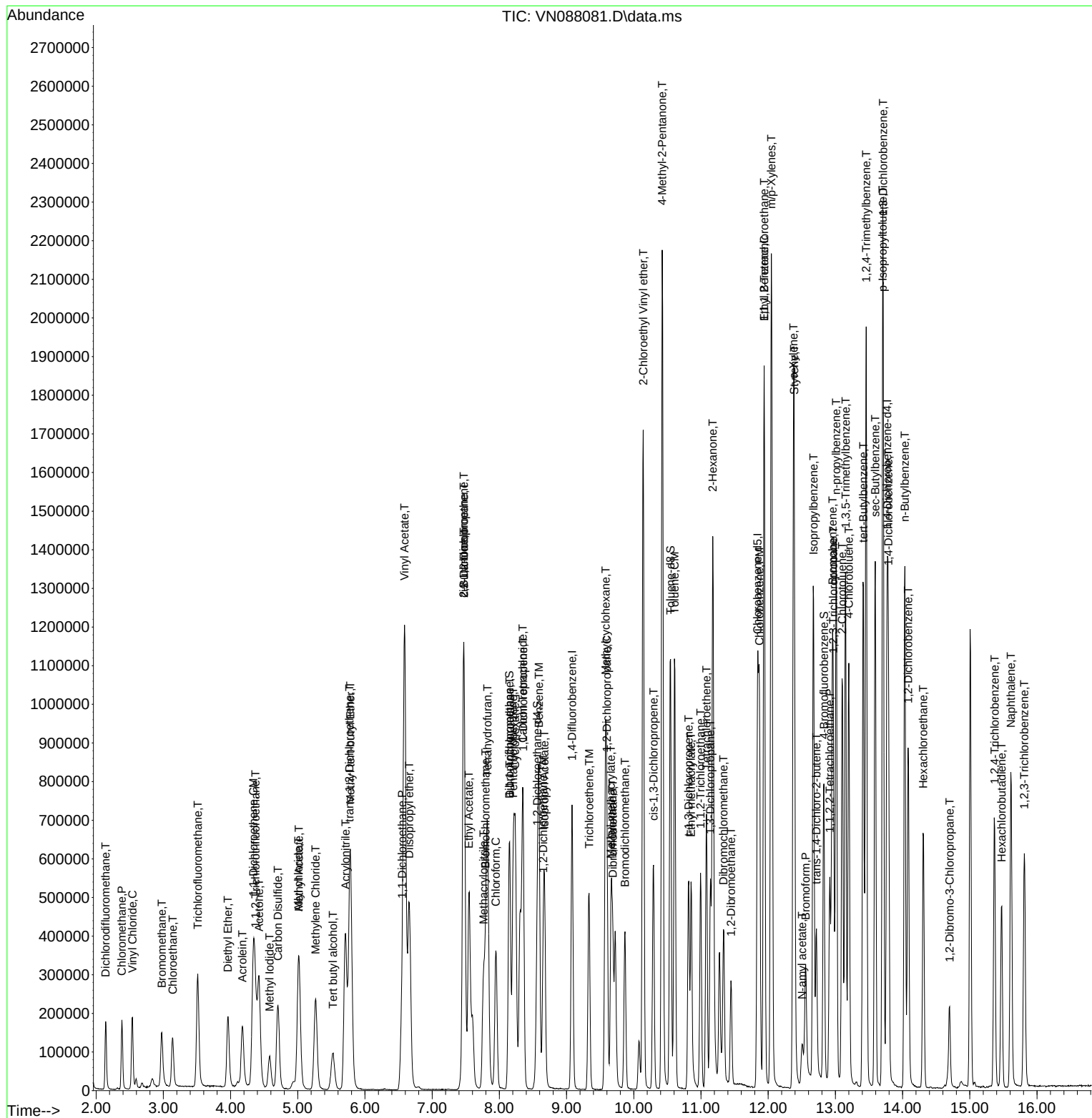
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

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

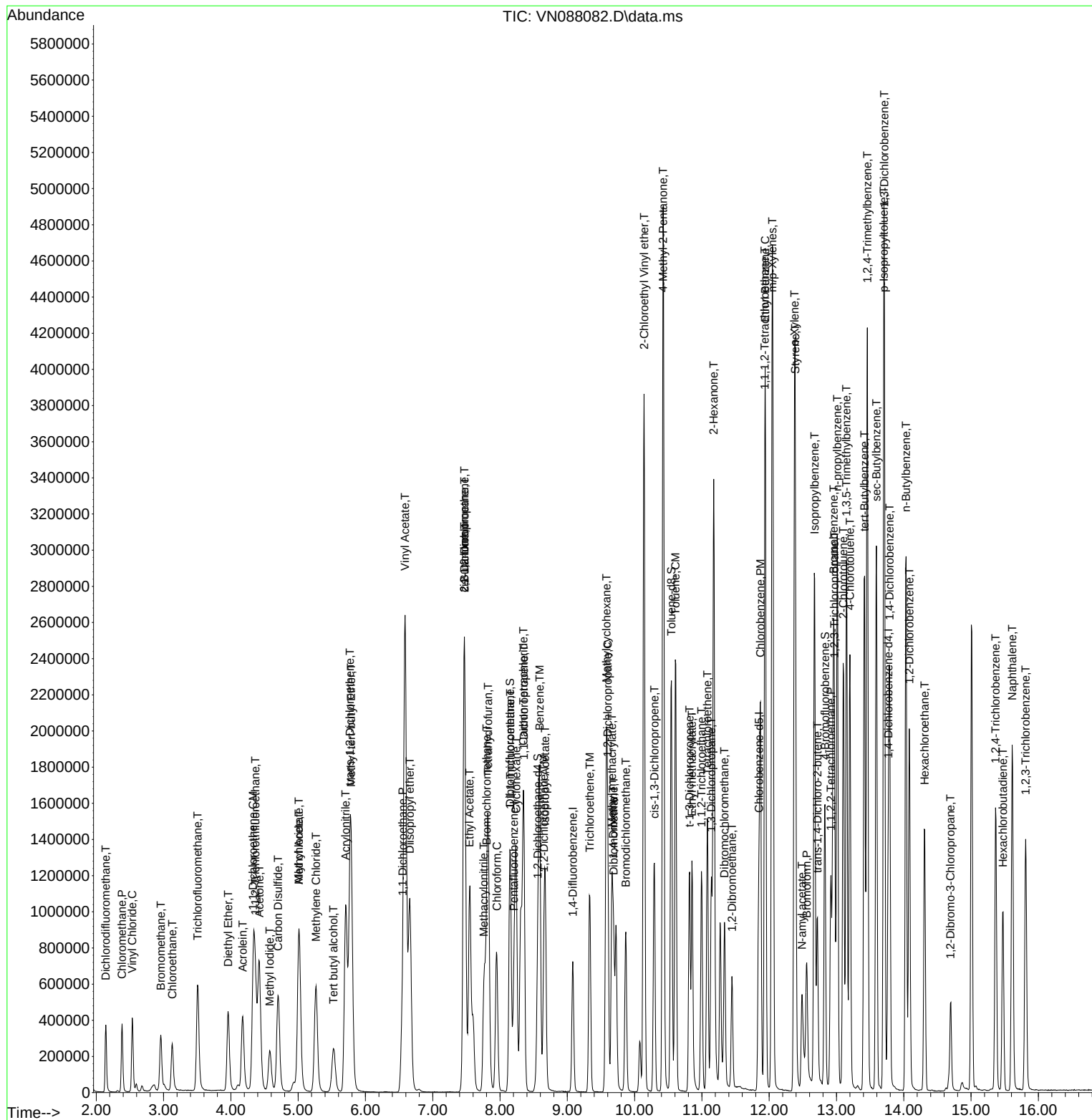
Quant Time: Oct 24 02:43:27 2025

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



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

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

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

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

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

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

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

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/24/2025

Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 02:44:28 2025

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

Quant Title : SW846 8260

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

Response via : Initial Calibration

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

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

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

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

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

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

Instrument :

MSVOA_N

Client SampleId :

VSTDIC150

Manual Integrations

APPROVED

Reviewed By : John Carlone 10/24/2025

Supervised By : Mahesh Dadoda 10/27/2025

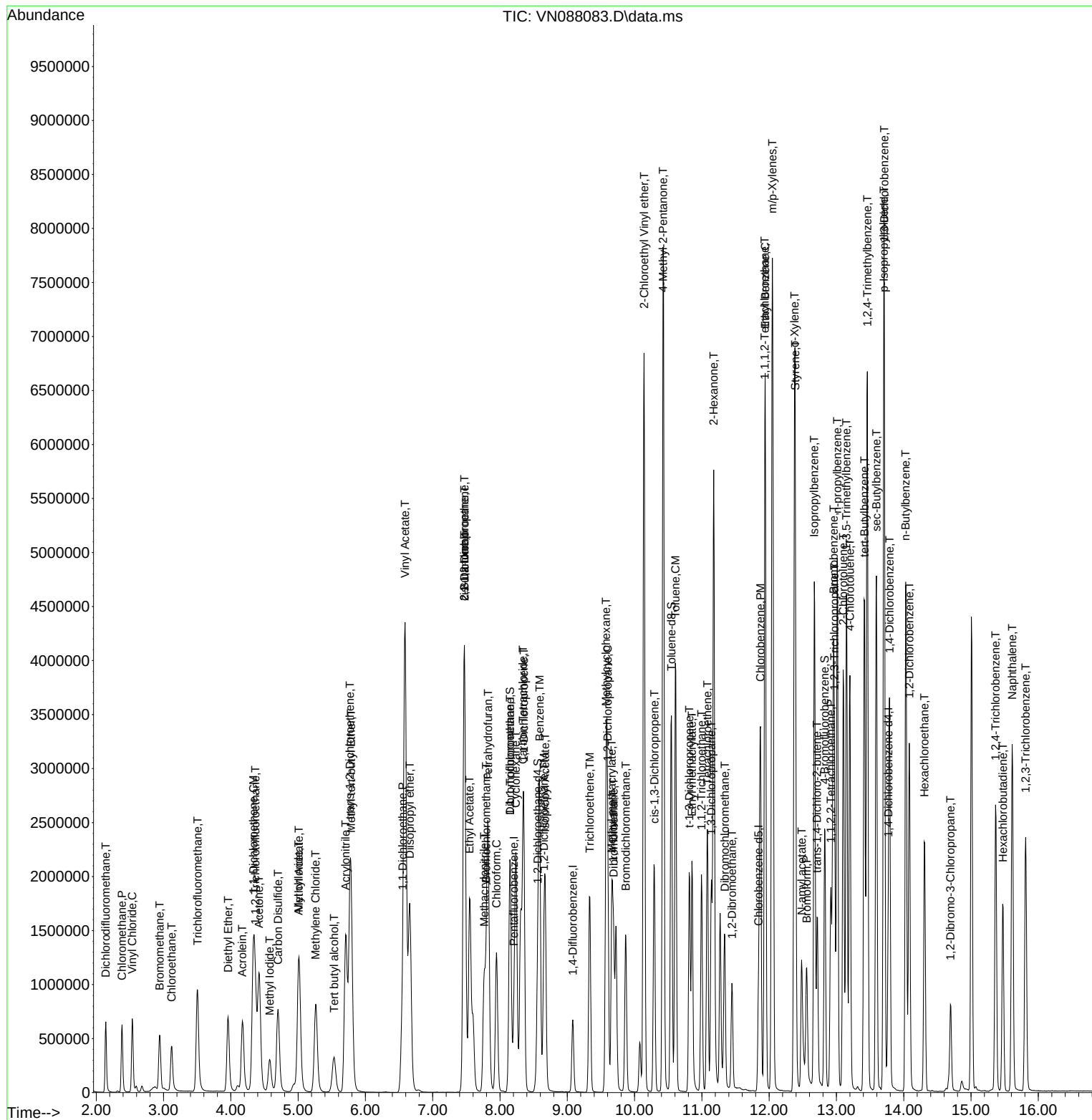
Quant Time: Oct 24 02:44:28 2025

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

Quant Title : SW846 8260

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

Response via : Initial Calibration



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

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102325

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)

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

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

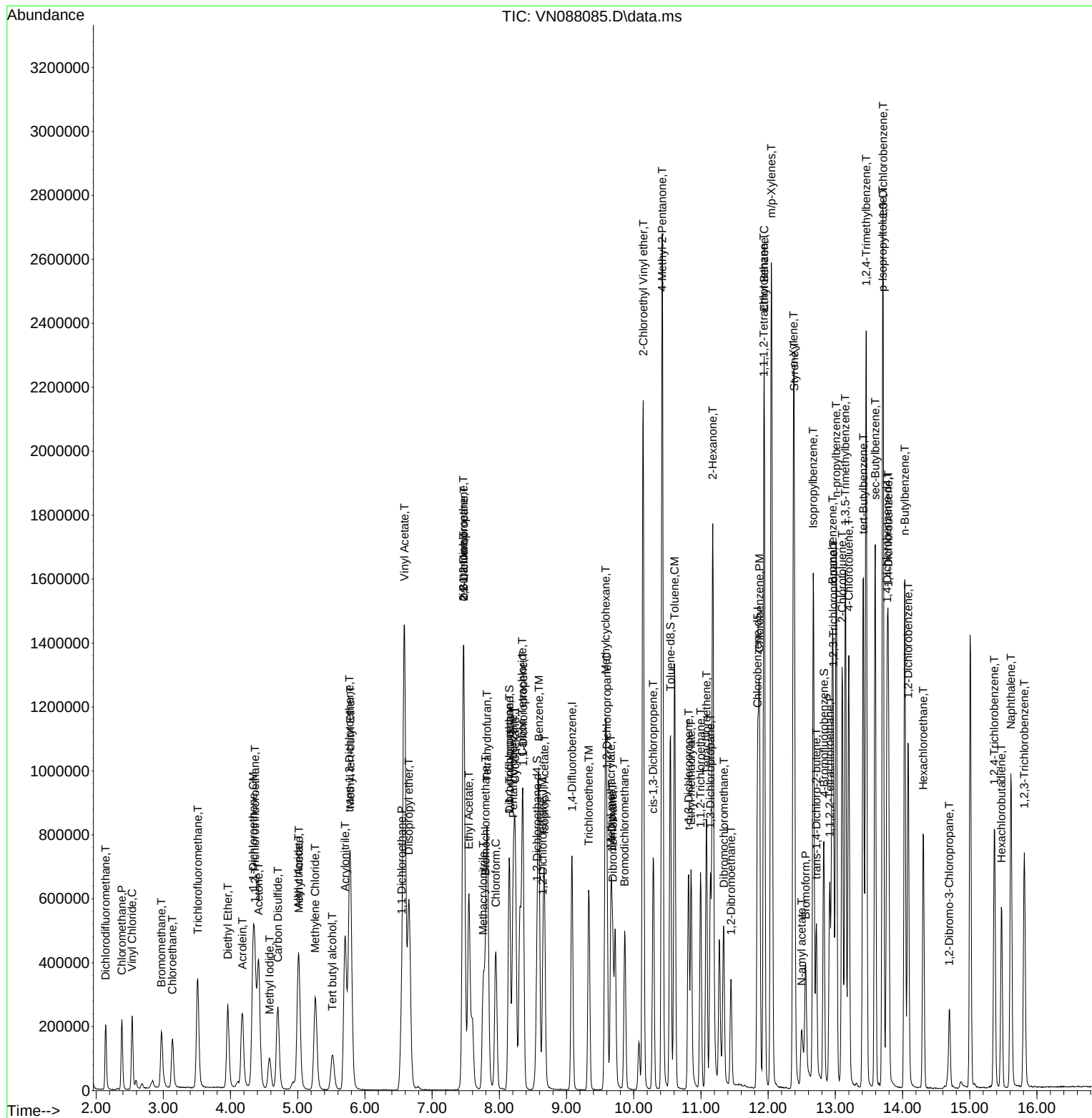
Quant Time: Oct 24 03:19:30 2025

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



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)
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
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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 CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>CHEM02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3463</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>Q3463</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>Q3463</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

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John
Carlone

10/27/2025
Supervised By :Semsettin
Yesilyurt

10/27/2025

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)
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(#) = 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

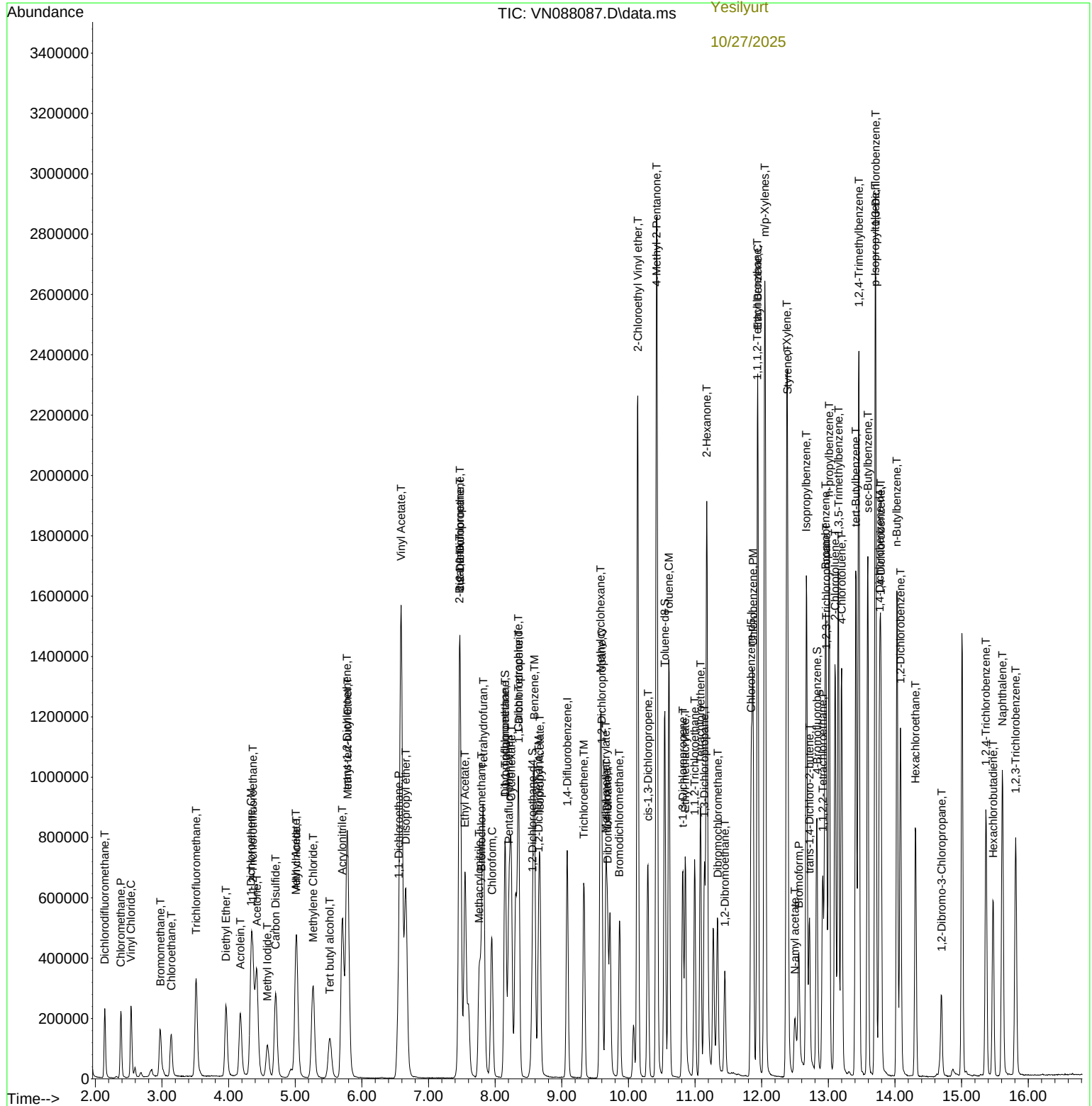
Quant Time: Oct 25 01:00:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Manual Integrations

Reviewed By :John
Carlone

10/27/2025
Supervised By :Semsettin
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-amyl 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



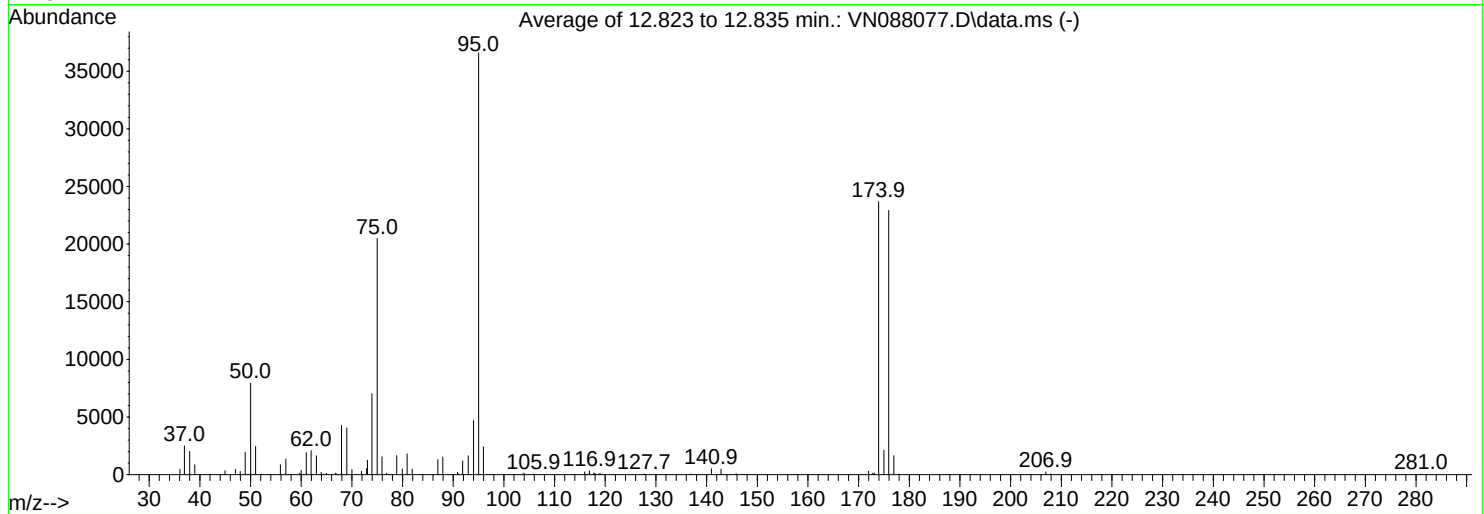
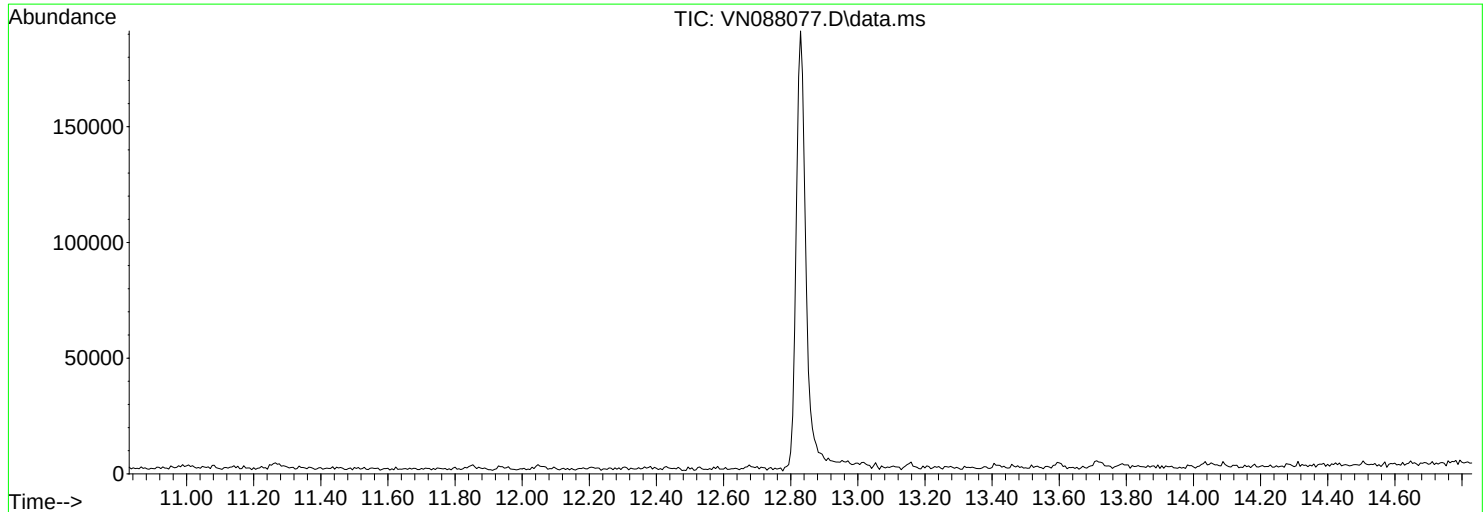
QC SAMPLE DATA

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

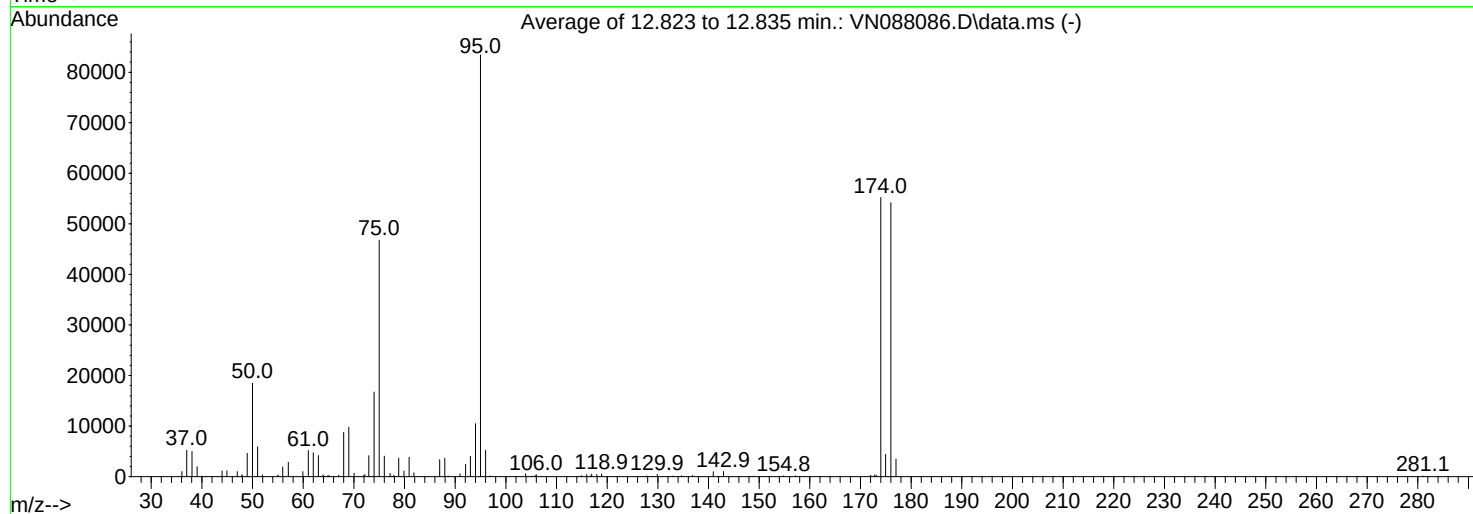
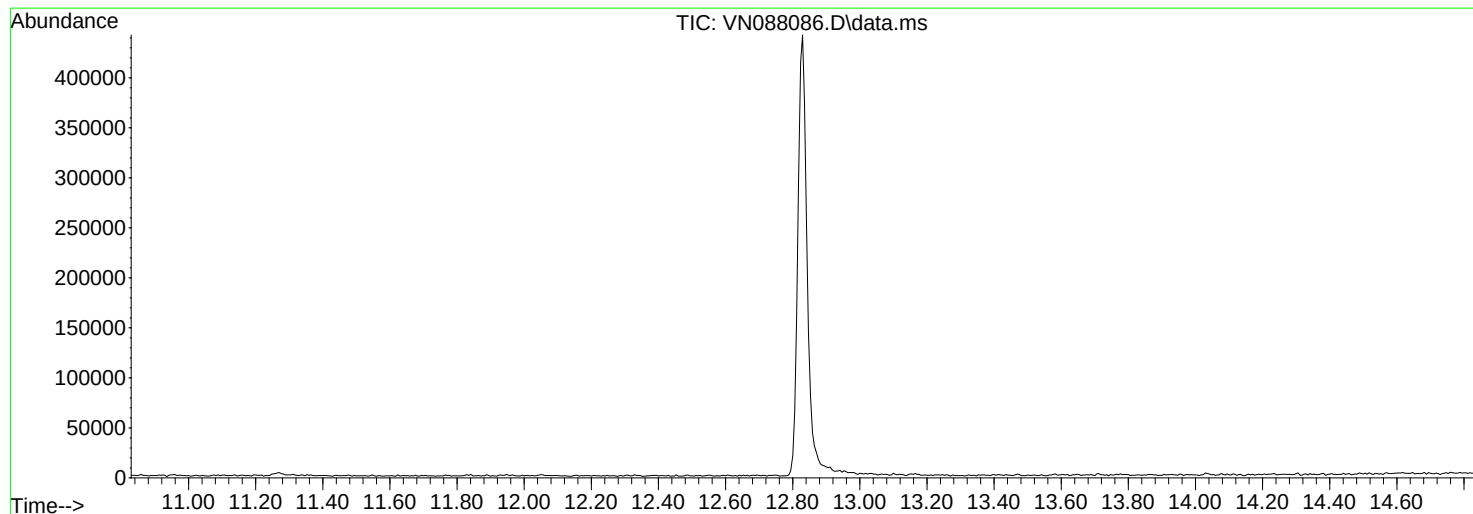
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.95	1644	117.95	115	173.95	23688		
94.00	4674	118.80	84	175.00	2114		
95.00	36595	119.10	82	175.95	22925		
95.95	2412	127.70	70	176.95	1653		
103.80	60	136.90	63	178.00	54		
103.95	139	140.95	512	206.95	238		
105.90	74	142.85	486	207.90	72		
115.95	231	145.80	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						

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.: Q3463
 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.: Q3463
 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

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.: Q3463

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%

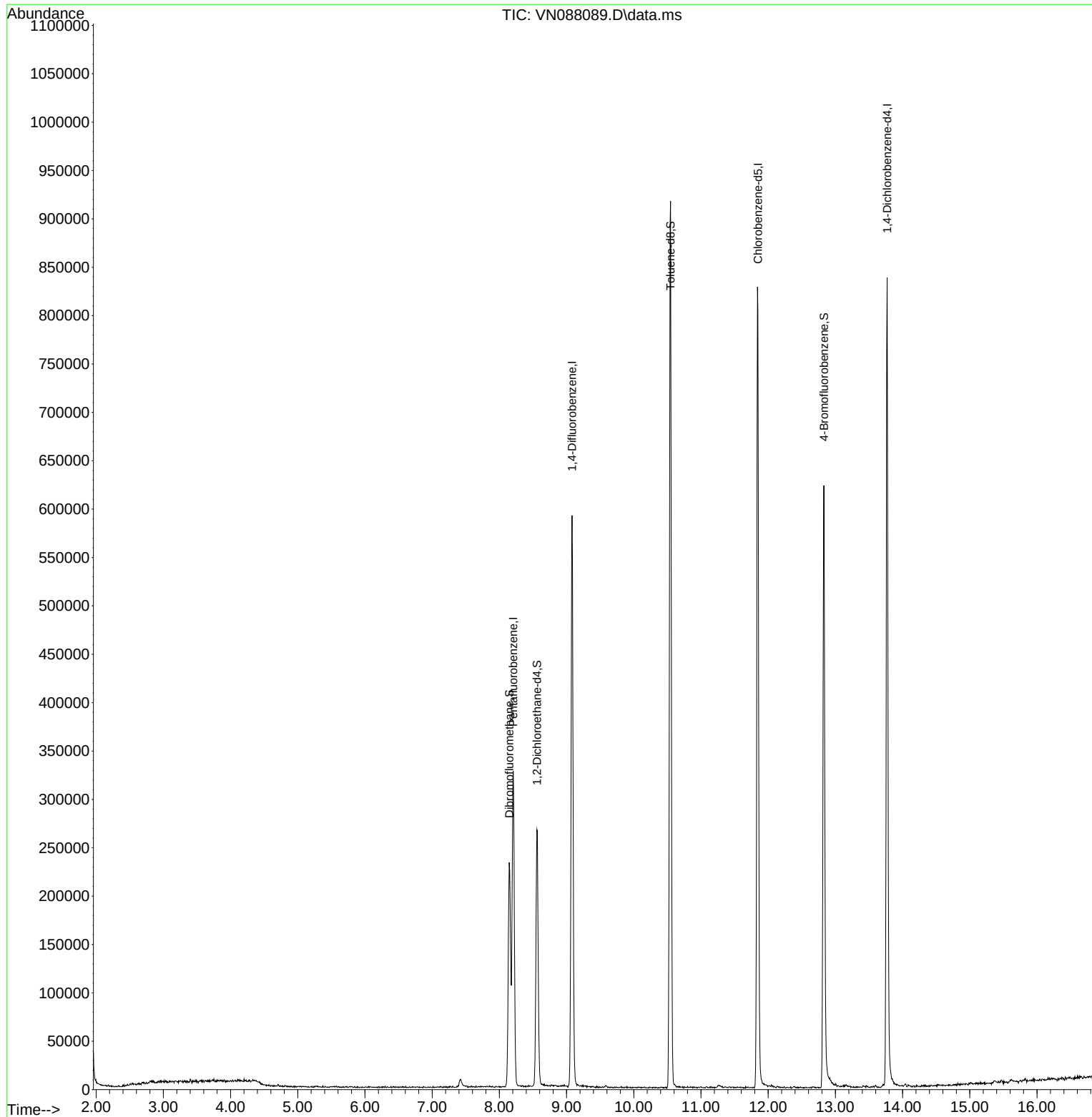
Target Compounds	Qvalue

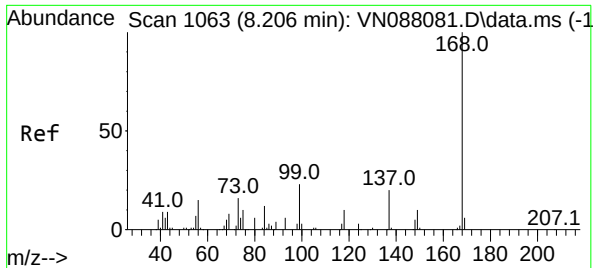
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

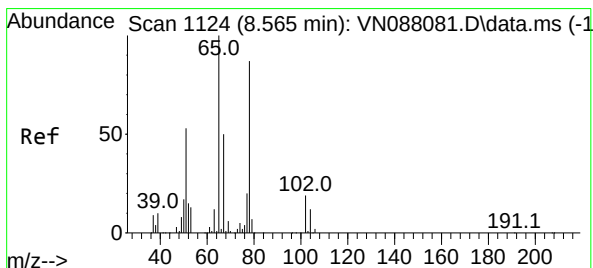
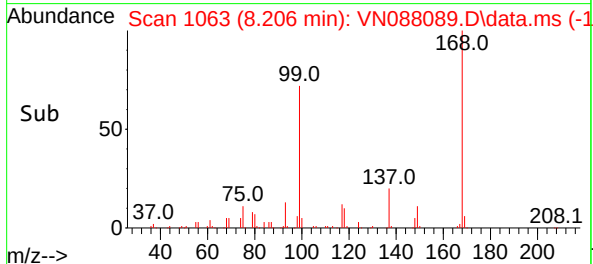
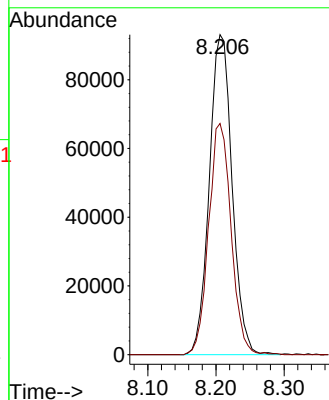
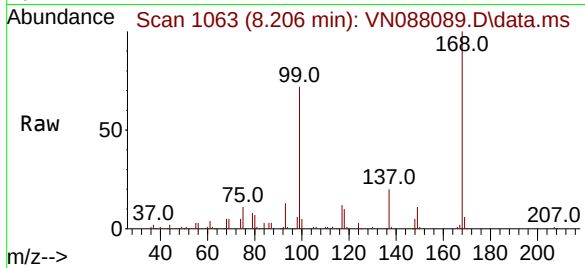




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088089.D
Acq: 24 Oct 2025 13:22

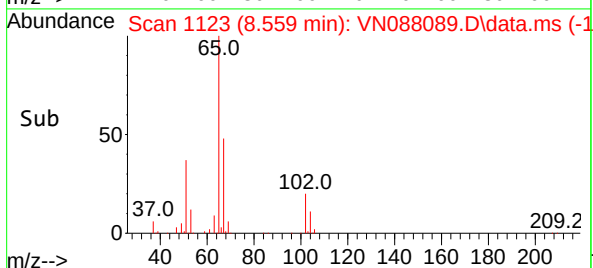
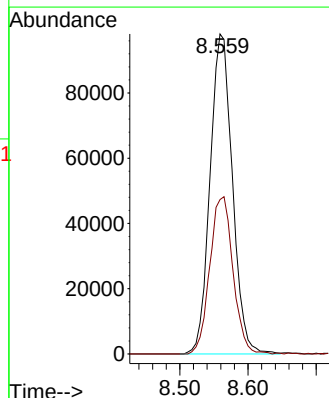
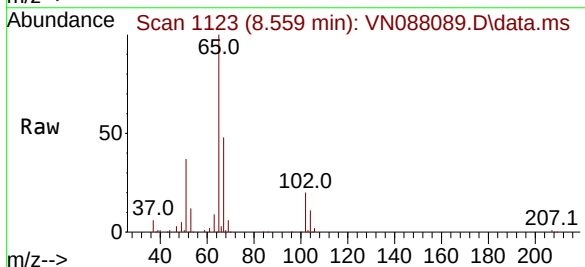
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBL01

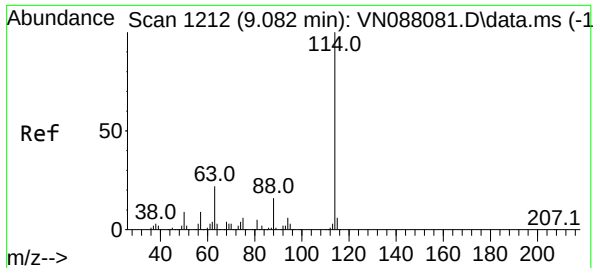
Tgt Ion:168 Resp: 216989
Ion Ratio Lower Upper
168 100
99 72.2 57.2 85.8



#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

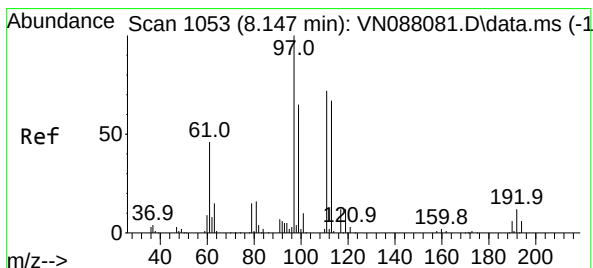
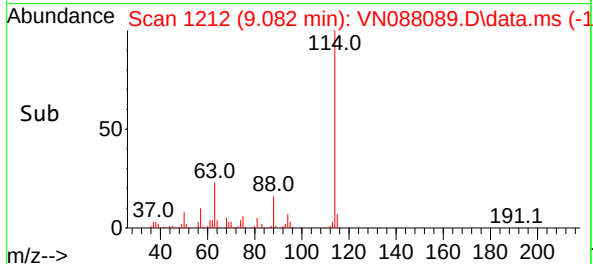
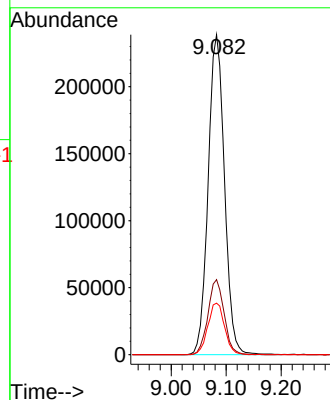
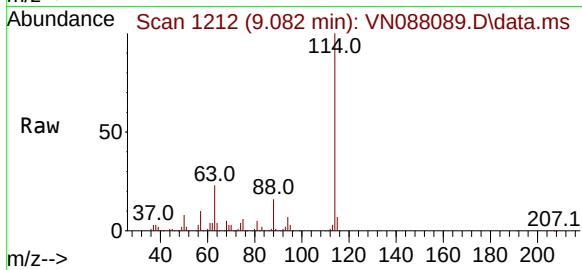
Tgt Ion:114 Resp: 492274

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

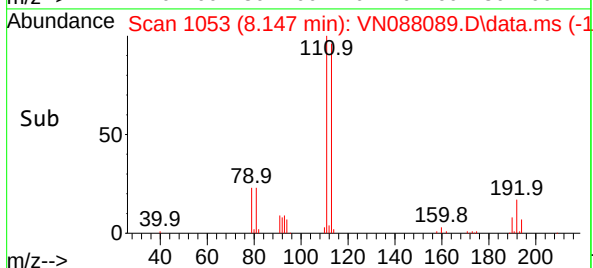
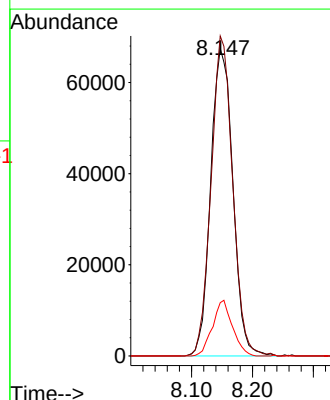
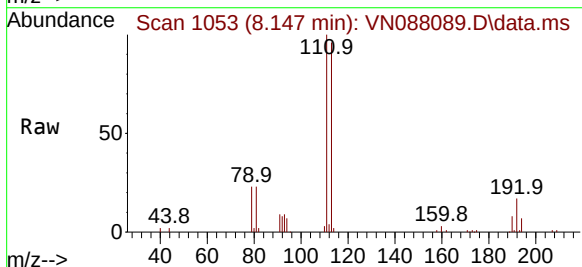
Tgt Ion:113 Resp: 170936

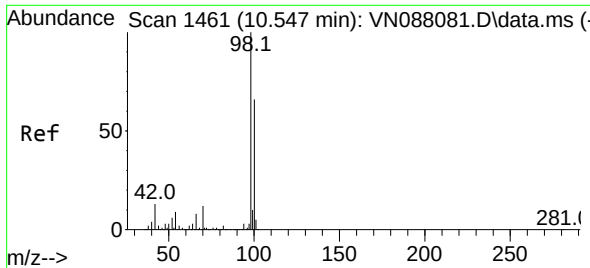
Ion Ratio Lower Upper

113 100

111 101.1 82.8 124.2

192 16.3 12.8 19.2

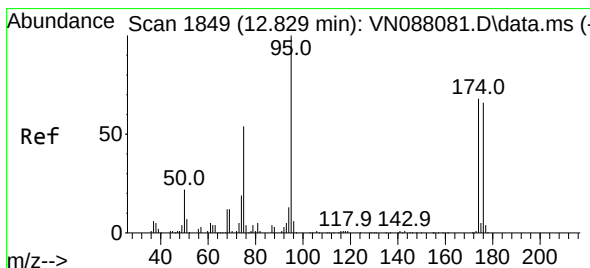
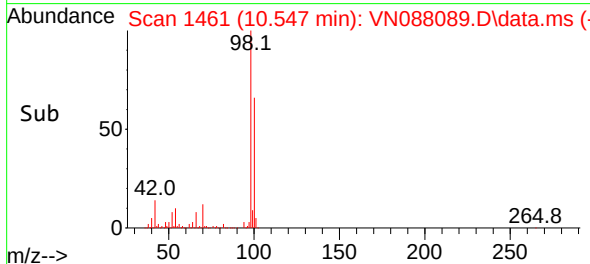
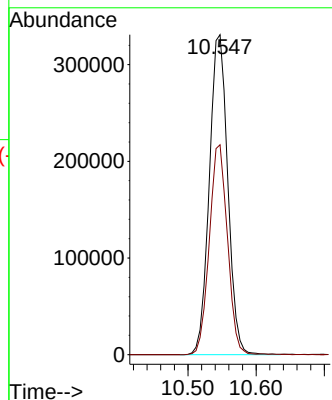
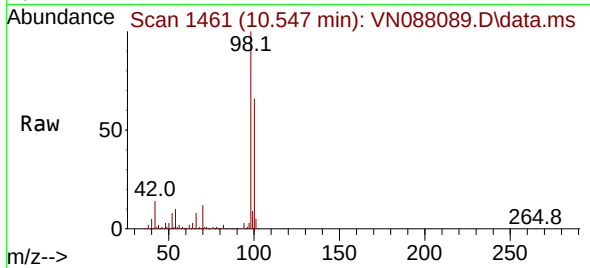




#50
Toluene-d8
Concen: 48.875 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088089.D
Acq: 24 Oct 2025 13:22

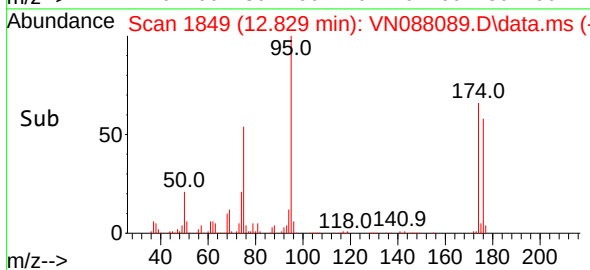
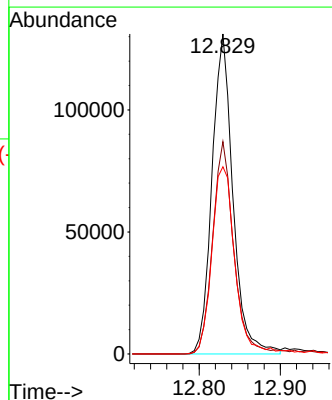
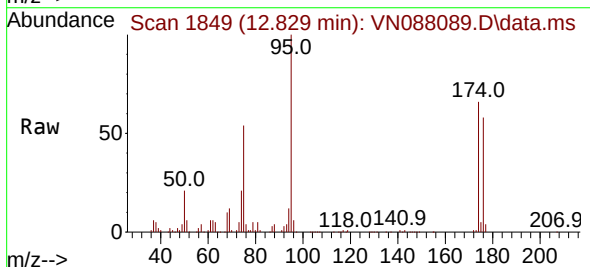
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBL01

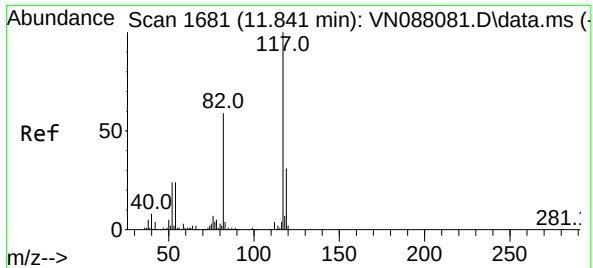
Tgt Ion: 98 Resp: 622807
Ion Ratio Lower Upper
98 100
100 64.6 52.8 79.2



#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

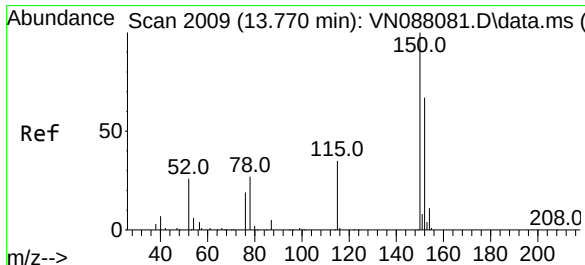
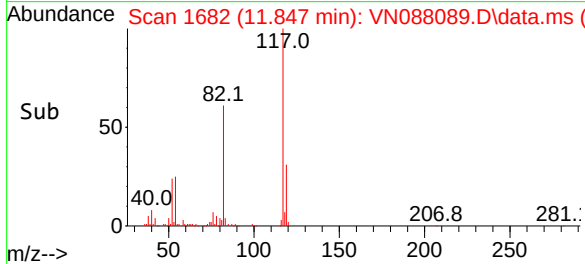
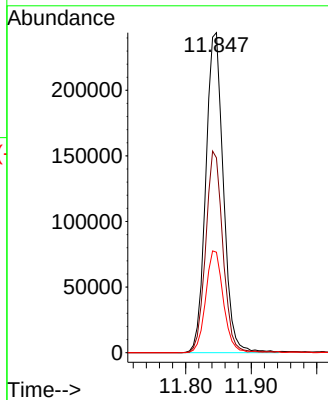
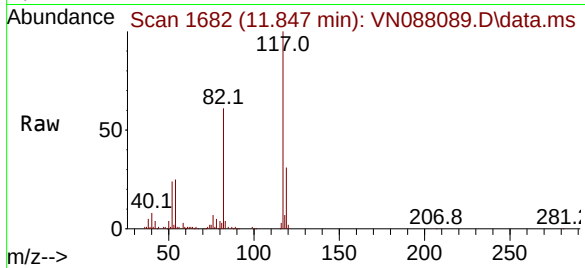




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN088089.D
Acq: 24 Oct 2025 13:22

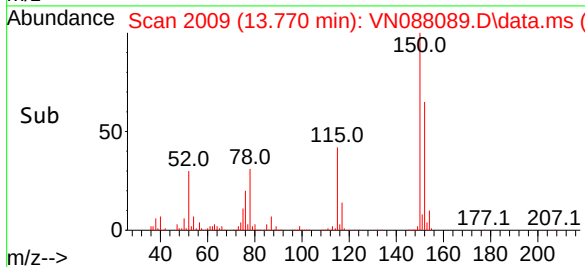
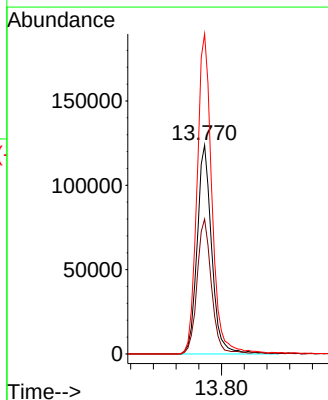
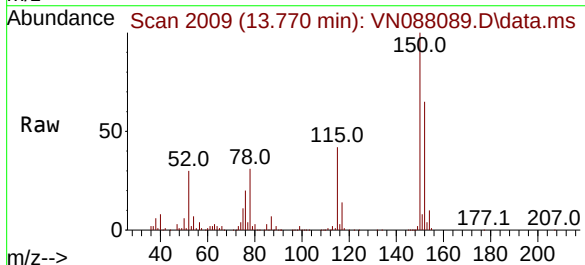
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBL01

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: 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.: Q3463
 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: VN1024WBS01

Lab Sample ID: VN1024WBS01

Analytical Method: 8260D

Level : LOW

Sample Wt/Vol: 5 mL

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3463

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.: Q3463

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

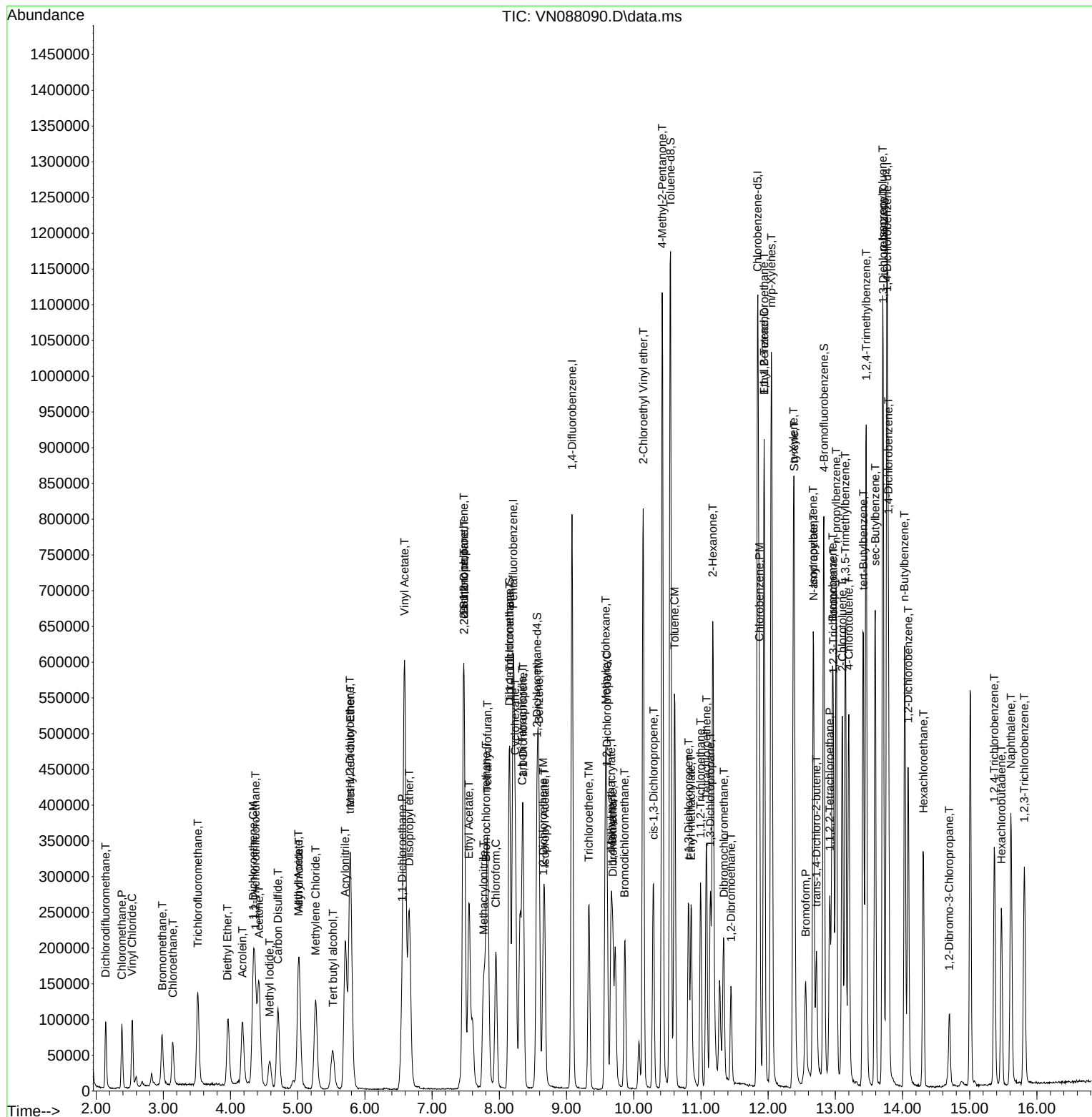
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
Data File : VN088090.D
Acq On : 24 Oct 2025 13:43
Operator : JC\MD
Sample : VN1024WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

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: 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.: Q3463
 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.: Q3463
 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							

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.: Q3463

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

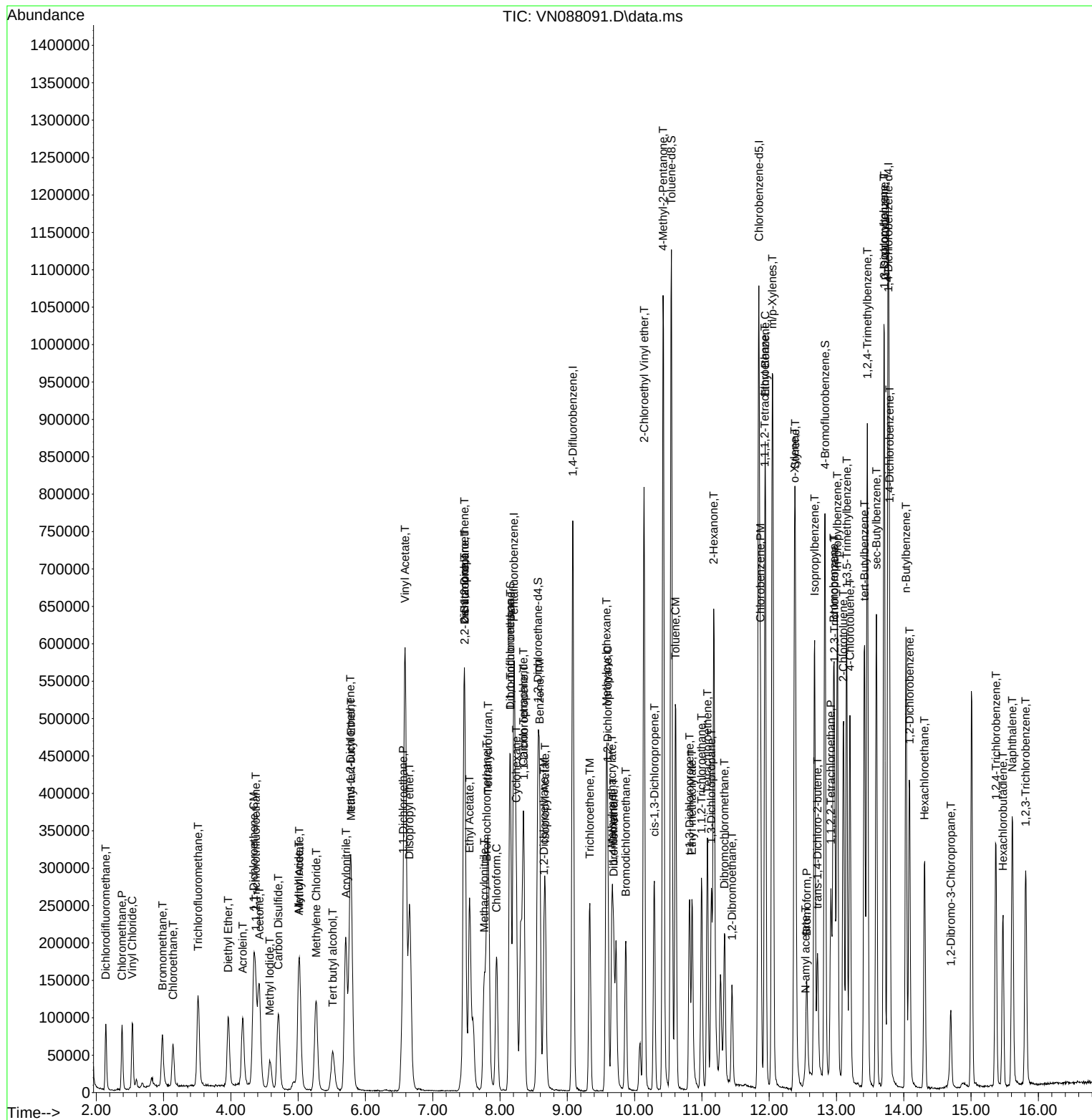
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
Data File : VN088091.D
Acq On : 24 Oct 2025 14:16
Operator : JC\MD
Sample : VN1024WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

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



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	Q3373-01	VN088092.D	24 Oct 2025 14:37	JC\MD	Ok
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_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#	Sampled	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	Q3373-01	STORAGE-BLANK-SO	VN088092.D	24 Oct 2025 14:37	vial B pH<2	JC\MD	Ok
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



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/27/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:27
Out Date: 10/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137635

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
Q3449-01	CF-620-COMP-41	1	1.14	10.13	11.27	10.24	89.8	
Q3449-02	CF-620-VOC-41	2	1.15	10.74	11.89	11.28	94.3	
Q3449-03	CF-620-121	3	1.16	10.81	11.97	11.05	91.5	
Q3449-04	CF-620-122	4	1.14	10.40	11.54	10.35	88.6	
Q3449-05	CF-620-123	5	1.19	10.37	11.56	9.88	83.8	
Q3450-01	SS-5R-(2.0-2.5)	6	1.19	10.00	11.19	10.48	92.9	
Q3450-02	SS-5R-(3.5-4.0)	7	1.15	10.95	12.1	10.6	86.3	
Q3450-03	SS-10R-(2.0-2.5)	8	1.18	10.53	11.71	11.00	93.3	
Q3450-04	SS-10R-(3.5-4.0)	9	1.12	10.86	11.98	10.52	86.6	
Q3450-05	SS-13R-(3.5-4.0)	10	1.15	10.58	11.73	10.88	92.0	
Q3450-06	SS-13R-(5.0-5.5)	11	1.17	10.15	11.32	9.71	84.1	
Q3450-07	SS-13R-(5.0-5.5)	12	1.13	10.68	11.81	10.24	85.3	
Q3450-08	SS-20-(0.0-0.5)	13	1.15	9.72	10.87	10.24	93.5	
Q3450-09	SS-20-(2.0-2.5)	14	1.14	10.79	11.93	10.45	86.3	
Q3450-10	SS-20-(3.5-4.0)	15	1.17	10.15	11.32	9.7	84.0	
Q3450-11	SS-28-(2.0-2.5)	16	1.18	10.44	11.62	10.89	93.0	
Q3450-12	SS-29-(20-2.5)	17	1.13	11.27	12.4	10.24	80.8	
Q3450-13	SS-30-(0.0-0.5)	18	1.18	10.14	11.32	10.42	91.1	
Q3450-14	SS-30-(2.0-2.5)	19	1.18	10.12	11.3	10.04	87.5	
Q3450-15	SS-30-(3.5-4.0)	20	1.15	10.14	11.29	9.74	84.7	
Q3450-16	SS-31-(0.0-0.5)	21	1.17	11.01	12.18	10.93	88.6	
Q3450-17	SS-34-(0.0-0.5)	22	1.11	10.41	11.52	10.14	86.7	
Q3450-18	SS-34-(2.0-2.5)	23	1.18	10.67	11.85	11.00	92.0	
Q3450-19	SS-34-(3.5-4.0)	24	1.14	10.04	11.18	10.79	96.1	
Q3450-20	SS-21-(0.0-0.5)	25	1.14	10.28	11.42	10.57	91.7	
Q3450-21	SS-21-(2.0-2.5)	26	1.14	9.99	11.13	10.45	93.2	
Q3450-22	SS-21-(3.5-4.0)	27	1.18	10.56	11.74	10.12	84.7	
Q3450-23	SS-22-(0.0-0.5)	28	1.18	10.29	11.47	10.59	91.4	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/27/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:27
Out Date: 10/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137635

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
Q3450-24	SS-22-(2.0-2.5)	29	1.14	10.09	11.23	10.32	91.0	
Q3450-25	SS-22-(3.5-4.0)	30	1.13	10.66	11.79	9.95	82.7	
Q3451-01	TP-11	31	1.18	10.88	12.06	10.95	89.8	
Q3451-02	TP-11-EPH	32	1.13	10.40	11.53	10.07	86.0	
Q3451-03	TP-11-VOC	33	1.16	10.54	11.7	10.99	93.3	
Q3451-05	TP-12	34	1.19	10.28	11.47	10.35	89.1	
Q3451-06	TP-12-EPH	35	1.15	11.08	12.23	10.62	85.5	
Q3451-07	TP-12-VOC	36	1.17	10.05	11.22	10.24	90.2	
Q3452-01	JB-1	37	1.12	10.26	11.38	8.46	71.5	
Q3452-02	JB-1-EPH	38	1.15	10.80	11.95	9.15	74.1	
Q3452-03	JB-1-VOC	39	1.16	10.37	11.53	10.32	88.3	
Q3453-01	102225-A	40	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3453-02	102225-B	41	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3453-03	102325-A	42	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3453-04	102325-B	43	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3456-01	OILY-DEBRIS	50	1.00	1.00	2.00	2.00	100.0	oily-debris
Q3457-01	TR-05-102425	51	1.14	10.12	11.26	10.47	92.2	
Q3457-02	TR-05-102425-E2	52	1.16	10.37	11.53	10.88	93.7	
Q3458-01	TRE-25-0116	53	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3460-01	WC-1	54	1.18	10.42	11.6	10.9	93.3	
Q3460-02	WC-1-EPH	55	1.19	10.51	11.7	11.00	93.3	
Q3460-03	WC-1-VOC	56	1.19	10.04	11.23	10.52	92.9	
Q3460-05	WC-2	57	1.14	10.24	11.38	11.04	96.7	
Q3460-06	WC-2-EPH	58	1.18	10.48	11.66	11.3	96.6	
Q3460-07	WC-2-VOC	59	1.13	9.83	10.96	10.6	96.3	
Q3460-09	WC-3	60	1.19	10.78	11.97	11.36	94.3	
Q3460-10	WC-3-EPH	61	1.11	10.30	11.41	10.81	94.2	
Q3460-11	WC-3-VOC	62	1.16	10.12	11.28	10.74	94.7	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/27/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:27
Out Date: 10/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137635

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
Q3460-13	WC-4	63	1.13	10.80	11.93	11.41	95.2	
Q3460-14	WC-4-EPH	64	1.18	10.43	11.61	11.02	94.3	
Q3460-15	WC-4-VOC	65	1.18	9.96	11.14	10.6	94.6	
Q3460-17	WC-5	66	1.17	10.38	11.55	10.99	94.6	
Q3460-18	WC-5-EPH	67	1.19	10.50	11.69	11.14	94.8	
Q3460-19	WC-5-VOC	68	1.16	10.44	11.6	11.09	95.1	
Q3463-05	SVOC-GPC-BLANK	44	1.00	1.00	2.00	2.00	100.0	
Q3463-06	PEST-GPC-BLANK	45	1.00	1.00	2.00	2.00	100.0	
Q3463-07	PEST-GPC-BLANK-SPIKE	46	1.00	1.00	2.00	2.00	100.0	
Q3463-08	SVOC-GPC2-BLANK	47	1.00	1.00	2.00	2.00	100.0	
Q3463-09	PEST-GPC2-BLANK	48	1.00	1.00	2.00	2.00	100.0	
Q3463-10	PEST -GPC2-BLANK-SPIKE	49	1.00	1.00	2.00	2.00	100.0	

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

WORKLIST(Hardcopy Internal Chain)

137635

WorkList Name : %1-102425

WorkList ID : 192653

Department : Wet-Chemistry

Date : 10-24-2025 08:07:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3449-01	CF-620-COMP-41	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	10/23/2025	Chemtech -SO
Q3449-02	CF-620-VOC-41	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	10/23/2025	Chemtech -SO
Q3449-03	CF-620-121	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	10/23/2025	Chemtech -SO
Q3449-04	CF-620-122	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	10/23/2025	Chemtech -SO
Q3449-05	CF-620-123	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	10/23/2025	Chemtech -SO
Q3450-01	SS-5R-(2.0-2.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D41	10/23/2025	Chemtech -SO
Q3450-02	SS-5R-(3.5-4.0)	Solid	Percent Solids	Cool 4 deg C	MATR02	D41	10/23/2025	Chemtech -SO
Q3450-03	SS-10R-(2.0-2.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D41	10/23/2025	Chemtech -SO
Q3450-04	SS-10R-(3.5-4.0)	Solid	Percent Solids	Cool 4 deg C	MATR02	D41	10/23/2025	Chemtech -SO
Q3450-05	SS-13R-(3.5-4.0)	Solid	Percent Solids	Cool 4 deg C	MATR02	D41	10/23/2025	Chemtech -SO
Q3450-06	SS-13R-(5.0-5.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D41	10/23/2025	Chemtech -SO
Q3450-07	SS-13R-(5.0-5.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D41	10/23/2025	Chemtech -SO
Q3450-08	SS-20-(0.0-0.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D41	10/23/2025	Chemtech -SO
Q3450-09	SS-20-(2.0-2.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D41	10/23/2025	Chemtech -SO
Q3450-10	SS-20-(3.5-4.0)	Solid	Percent Solids	Cool 4 deg C	MATR02	D41	10/23/2025	Chemtech -SO
Q3450-11	SS-28-(2.0-2.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D41	10/23/2025	Chemtech -SO
Q3450-12	SS-29-(20-2.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D41	10/23/2025	Chemtech -SO
Q3450-13	SS-30-(0.0-0.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D41	10/23/2025	Chemtech -SO
Q3450-14	SS-30-(2.0-2.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D41	10/23/2025	Chemtech -SO
Q3450-15	SS-30-(3.5-4.0)	Solid	Percent Solids	Cool 4 deg C	MATR02	D41	10/23/2025	Chemtech -SO
Q3450-16	SS-31-(0.0-0.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D41	10/23/2025	Chemtech -SO

Date/Time 10/24/25 15:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 10/24/25

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

137135

WorkList Name : %1-102425

WorkList ID : 192653

Department : Wet-Chemistry

Date : 10-24-2025 08:07:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3450-17	SS-34-(0.0-0.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D41	10/23/2025	Chemtech -SO
Q3450-18	SS-34-(2.0-2.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D41	10/23/2025	Chemtech -SO
Q3450-19	SS-34-(3.5-4.0)	Solid	Percent Solids	Cool 4 deg C	MATR02	D41	10/23/2025	Chemtech -SO
Q3450-20	SS-21-(0.0-0.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D41	10/23/2025	Chemtech -SO
Q3450-21	SS-21-(2.0-2.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D41	10/23/2025	Chemtech -SO
Q3450-22	SS-21-(3.5-4.0)	Solid	Percent Solids	Cool 4 deg C	MATR02	D41	10/23/2025	Chemtech -SO
Q3450-23	SS-22-(0.0-0.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D41	10/23/2025	Chemtech -SO
Q3450-24	SS-22-(2.0-2.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D41	10/23/2025	Chemtech -SO
Q3450-25	SS-22-(3.5-4.0)	Solid	Percent Solids	Cool 4 deg C	MATR02	D41	10/23/2025	Chemtech -SO
Q3451-01	TP-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO
Q3451-02	TP-11-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO
Q3451-03	TP-11-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO
Q3451-05	TP-12	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO
Q3451-06	TP-12-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO
Q3451-07	TP-12-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO
Q3452-01	JB-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO
Q3452-02	JB-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/24/2025	Chemtech -SO
Q3452-03	JB-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/24/2025	Chemtech -SO
Q3453-01	102225-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3453-02	102225-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3453-03	102325-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO

Date/Time 10/24/25 15:00
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]
 Date/Time 10/24/25 17:35
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

8137435

WorkList Name : %1-102425 WorkList ID : 192653 Department : Wet-Chemistry Date : 10-24-2025 08:07:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3453-04	102325-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3456-01	OILY-DEBRIS	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3457-01	TR-05-102425	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/24/2025	Chemtech -SO
Q3457-02	TR-05-102425-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/24/2025	Chemtech -SO
Q3458-01	TRE-25-0116	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/24/2025	Chemtech -SO
Q3460-01	WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/24/2025	Chemtech -SO
Q3460-02	WC-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/24/2025	Chemtech -SO
Q3460-03	WC-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/24/2025	Chemtech -SO
Q3460-05	WC-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/24/2025	Chemtech -SO
Q3460-06	WC-2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/24/2025	Chemtech -SO
Q3460-07	WC-2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/24/2025	Chemtech -SO
Q3460-09	WC-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/24/2025	Chemtech -SO
Q3460-10	WC-3-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/24/2025	Chemtech -SO
Q3460-11	WC-3-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/24/2025	Chemtech -SO
Q3460-13	WC-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/24/2025	Chemtech -SO
Q3460-14	WC-4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/24/2025	Chemtech -SO
Q3460-15	WC-4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/24/2025	Chemtech -SO
Q3460-17	WC-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/24/2025	Chemtech -SO
Q3460-18	WC-5-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/24/2025	Chemtech -SO
Q3460-19	WC-5-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/24/2025	Chemtech -SO
Q3463-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/17/2025	Chemtech -SO

Date/Time 10/24/25 15:00
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]
 Date/Time 10/24/25 17:35
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

137435

WorkList Name : %1-102425 WorkList ID : 192653 Department : Wet-Chemistry Date : 10-24-2025 08:07:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3463-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/17/2025	Chemtech -SO
Q3463-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/17/2025	Chemtech -SO
Q3463-08	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/17/2025	Chemtech -SO
Q3463-09	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/17/2025	Chemtech -SO
Q3463-10	PEST -GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/17/2025	Chemtech -SO

Date/Time 10/24/25 13:00
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 10/24/25 14:35
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]



SHIPPING DOCUMENTS



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

CHAIN OF CUSTODY RECORD

Alliance Project Number:

23463

COC Number:

CLIENT INFORMATION			PROJECT INFORMATION			BILLING INFORMATION																																																																							
COMPANY: Alliance Technical Group, LLC - Newark			PROJECT NAME: Weekly Storage Blanks			BILL TO:						PO#																																																																	
ADDRESS: 284 Sheffield Street			PROJECT #:			ADDRESS:																																																																							
CITY: Mountainside STATE: NJ ZIP: 07092			PROJECT MANAGER:			CITY:						STATE: ZIP:																																																																	
ATTENTION:			E-MAIL:			ATTENTION:						PHONE:																																																																	
PHONE:			FAX:			PHONE:						FAX:																																																																	
DATA TURNAROUND INFORMATION			DATA DELIVERABLE INFORMATION			ANALYSIS																																																																							
FAX: NA DAYS*			☐ RESULTS ONLY ☐ USEPA CLP			<table border="1"><thead><tr><th>VOC</th><th>SVOC</th><th>PESTICIDES</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></tr><tr><th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th><th>9</th><th></th><th></th><th></th><th></th><th></th><th></th></tr></thead><tbody><tr><td colspan="15"></td></tr><tr><td colspan="15"></td></tr></tbody></table>												VOC	SVOC	PESTICIDES													1	2	3	4	5	6	7	8	9																																				
VOC	SVOC	PESTICIDES																																																																											
1	2	3	4	5	6													7	8	9																																																									
HARD COPY: 10 DAYS*			☐ RESULTS + QC ☐ New York State ASP "B"																																																																										
EDD NA DAYS*			☐ New Jersey REDUCED ☐ New York State ASP "A"																																																																										
* TO BE APPROVED BY ALLIANCE			☐ New Jersey CLP ☐ Other																																																																										
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS			☐ EDD Format																																																																										
CHEMTECH SAMPLE ID			PROJECT SAMPLE IDENTIFICATION		SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles	PRESERVATIVES									COMMENTS																																																									
						COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9																																																										
1.			STORAGE-BLANK-SOIL-REF-6		AQ		X			2	X																																																																		
2.			STORAGE-BLANK-WATER-REF-5		AQ		X			2	X																																																																		
3.			STORAGE-BLANK-WATER-REF-4		AQ		X			2	X																																																																		
4.			STORAGE-BLANK-SAMPLE-MANAGEMENT		AQ		X			2	X																																																																		
5.			SVOC-GPC-BLANK		SO		X			1		X																																																																	
6.			PEST-GPC-BLANK		SO		X			1			X																																																																
7.			PEST-GPC-BLANK-SPIKE		SO		X			1			X																																																																
8.			SVOC-GPC2-BLANK		SO		X			1		X																																																																	
9.			PEST-GPC2-BLANK		SO		X			1			X																																																																
10.			PEST -GPC2-BLANK-SPIKE		SO		X			1			X																																																																
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY																																																																													
RELINQUISHED BY SAMPLER		DATE/TIME		RECEIVED BY		Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp _____ MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler?: _____ Comments:																																																																							
1. Sam		10/24/25		9:30																																																																									
RELINQUISHED BY		DATE/TIME		RECEIVED BY																																																																									
2.				2.																																																																									
RELINQUISHED BY		DATE/TIME		RECEIVED FOR LAB BY		SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight ALLIANCE: ☐ Picked Up ☐ Overnight																																																																							
3.				3.		Shipment Complete ☐ YES ☐ NO																																																																							
Page _____ of _____																																																																													
WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY																																																																													

Laboratory Certification

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