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Cover Page

Order ID : Q2302

Project ID : Waste Water 2025

Client : Garden State Laboratories, Inc.

Lab Sample Number	Client Sample Number
Q2302-01	250611078-02-VOA
Q2302-02	250611056-09-TRIP-BLANK

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

Signature : _____

Date: 6/20/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Garden State Laboratories, Inc.
Project Name: Waste Water 2025
Project # N/A
Order ID # Q2302
Test Name: VOCMS Group2

A. Number of Samples and Date of Receipt:
2 Water samples were received on 06/12/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOCMS Group1 and VOCMS Group2. This data package contains results for VOCMS Group2.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOCMS Group2 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria .

The Blank Spike for {VN0612WBS01} with File ID: VN086970.D met requirements for all samples except for 1,1,1-Trichloroethane[109%], 1,1,2-Trichloroethane[114%], 1,2-Dibromoethane[111%], 1,2-Dichlorobenzene[110%], 1,2-Dichloropropane[112%], 1,4-Dichlorobenzene[110%], Bromoform[115%], Dibromochloromethane[112%] and t-1,3-Dichloropropene[111%] . Failing high and associated samples were reanalyzed to confirm results, Original and Reanalysis both are reported.

The Blank Spike Duplicate for {VN0612WBSD01} with File ID: VN086971.D met requirements for all samples except for 1,1,2,2-Tetrachloroethane[119%], 1,1,2-Trichloroethane[116%], 1,2-Dibromoethane[115%], 1,2-Dichlorobenzene[112%], 1,2-Dichloropropane[112%], 1,4-Dichlorobenzene[109%], 4-Methyl-2-Pentanone[120%], Bromodichloromethane[116%], Bromoform[123%], cis-1,3-Dichloropropene[113%], Dibromochloromethane[117%] and t-1,3-Dichloropropene[116%]. Failing high and associated samples were reanalyzed to confirm results, Original and Reanalysis both are reported.

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The Blank Spike for {VN0613WBS01} with File ID: VN087000.D met requirements for all samples except for 1,1-Dichloroethene[111%], Bromoform[114%], Carbon disulfide[117%] and o-Xylene[110%] . Failing high and associated samples were reanalyzed to confirm results, Original and Reanalysis both are reported.

The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

E. Additional Comments:
As per method, MS/MSD is required to be performed with the sample analysis. However, Lab did not receive sufficient volume to perform the MS/MSD
therefore MS/MSD were not performed for this project. However, Lab has performed LCS/LCSD instead.

The pH value of the samples was 6.0 as samples received unpreserved.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2302**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: **PRADIP PRAJAPATI** **Date:** **06/20/2025**

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LAB CHRONICLE

OrderID:	Q2302	**OrderDate:**	6/12/2025 12:09:00 PM
Client:	Garden State Laboratories, Inc.	**Project:**	Waste Water 2025
Contact:	Sharon Ercoliani	**Location:**	VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2302-01	**250611078-02-VOA**	**Water**			**06/11/25**			**06/12/25**
			VOCMS Group1	624.1			06/13/25	
			VOCMS Group2	8260-Low			06/12/25	
Q2302-01RE	**250611078-02-VOARE**	**Water**			**06/11/25**			**06/12/25**
			VOCMS Group2	8260-Low			06/13/25	
Q2302-02	**250611056-09-TRIP-BLANK**	**Water**			**06/11/25**			**06/12/25**
			VOCMS Group1	624.1			06/13/25	
			VOCMS Group2	8260-Low			06/12/25	

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Hit Summary Sheet
8260-Low

SDG No.: Q2302

Client: Garden State Laboratories, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**250611078-02-VOA**								
Q2302-01	250611078-02-VOA	Water	Acetone		310		1.50	5.00	ug/L
Q2302-01	250611078-02-VOA	Water	Carbon Disulfide		4.20		0.21	1.00	ug/L
Q2302-01	250611078-02-VOA	Water	Methyl tert-butyl Ether		2.70		0.16	1.00	ug/L
Q2302-01	250611078-02-VOA	Water	2-Butanone		240		0.98	5.00	ug/L
Q2302-01	250611078-02-VOA	Water	Benzene		5.40		0.15	1.00	ug/L
Q2302-01	250611078-02-VOA	Water	4-Methyl-2-Pentanone		7.40	Q	0.68	5.00	ug/L
Q2302-01	250611078-02-VOA	Water	Toluene		15.8		0.14	1.00	ug/L
Q2302-01	250611078-02-VOA	Water	Chlorobenzene		3.10		0.12	1.00	ug/L
Q2302-01	250611078-02-VOA	Water	Ethyl Benzene		16.1		0.13	1.00	ug/L
Q2302-01	250611078-02-VOA	Water	m/p-Xylenes		14.6		0.24	2.00	ug/L
Q2302-01	250611078-02-VOA	Water	o-Xylene		8.50		0.12	1.00	ug/L
Q2302-01	250611078-02-VOA	Water	Isopropylbenzene		2.00		0.12	1.00	ug/L
Q2302-01	250611078-02-VOA	Water	1,4-Dichlorobenzene		3.70	Q	0.19	1.00	ug/L
			Total Voc :		634				
Q2302-01	250611078-02-VOA	Water	Methanethiol	*	16.6	J	0	0	ug/L
Q2302-01	250611078-02-VOA	Water	.alpha.-Terpineol	*	30.3	J	0	0	ug/L
Q2302-01	250611078-02-VOA	Water	Dimethyl ether	*	16.7	J	0	0	ug/L
Q2302-01	250611078-02-VOA	Water	(+)-2-Bornanone	*	140	J	0	0	ug/L
Q2302-01	250611078-02-VOA	Water	2-Butanethiol	*	19.2	J	0	0	ug/L
Q2302-01	250611078-02-VOA	Water	3-Pentanone, 2,4-dimethyl-	*	22.2	J	0	0	ug/L
Q2302-01	250611078-02-VOA	Water	Fenchone	*	89.0	J	0	0	ug/L
Q2302-01	250611078-02-VOA	Water	unknown16.005	*	24.7	J	0	0	ug/L
Q2302-01	250611078-02-VOA	Water	Tetrahydrofuran	*	700	J	0.99	5.00	ug/L
Q2302-01	250611078-02-VOA	Water	Tert butyl alcohol	*	7400	J	5.50	25.0	ug/L
Q2302-01	250611078-02-VOA	Water	Diethyl Ether	*	3.70	J	0.31	1.00	ug/L
Q2302-01	250611078-02-VOA	Water	n-propylbenzene	*	0.84	J	0.13	1.00	ug/L
Q2302-01	250611078-02-VOA	Water	1,3,5-Trimethylbenzene	*	1.30	J	0.15	1.00	ug/L
Q2302-01	250611078-02-VOA	Water	1,2,4-Trimethylbenzene	*	4.60	J	0.14	1.00	ug/L
Q2302-01	250611078-02-VOA	Water	p-Isopropyltoluene	*	16.6	J	0.13	1.00	ug/L
Q2302-01	250611078-02-VOA	Water	Naphthalene	*	28.0	J	0.20	1.00	ug/L
			Total Tics :		8510				
			Total Concentration:		9150				
Client ID:	**250611078-02-VOARE**								
Q2302-01RE	250611078-02-VOA	Water	Acetone		300		1.50	5.00	ug/L
Q2302-01RE	250611078-02-VOA	Water	Carbon Disulfide		3.70	Q	0.21	1.00	ug/L
Q2302-01RE	250611078-02-VOA	Water	Methyl tert-butyl Ether		3.00		0.16	1.00	ug/L

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Hit Summary Sheet
8260-Low

SDG No.: Q2302

Client: Garden State Laboratories, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2302-01RE	250611078-02-VOA	Water	2-Butanone	250		0.98	5.00	ug/L
Q2302-01RE	250611078-02-VOA	Water	Benzene	5.80		0.15	1.00	ug/L
Q2302-01RE	250611078-02-VOA	Water	4-Methyl-2-Pentanone	7.80		0.68	5.00	ug/L
Q2302-01RE	250611078-02-VOA	Water	Toluene	17.0		0.14	1.00	ug/L
Q2302-01RE	250611078-02-VOA	Water	Chlorobenzene	3.30		0.12	1.00	ug/L
Q2302-01RE	250611078-02-VOA	Water	Ethyl Benzene	17.8		0.13	1.00	ug/L
Q2302-01RE	250611078-02-VOA	Water	m/p-Xylenes	17.0		0.24	2.00	ug/L
Q2302-01RE	250611078-02-VOA	Water	o-Xylene	9.40	Q	0.12	1.00	ug/L
Q2302-01RE	250611078-02-VOA	Water	Isopropylbenzene	2.30		0.12	1.00	ug/L
Q2302-01RE	250611078-02-VOA	Water	1,4-Dichlorobenzene	4.20		0.19	1.00	ug/L
			Total Voc :	641				
			Total Concentration:	641				

QC SUMMARY

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Surrogate Summary

SDG No.: Q2302

Client: Garden State Laboratories, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2302-01	250611078-02-VOA	1,2-Dichloroethane-d4	50	52.7	105	74	125
		Dibromofluoromethane	50	51.8	103	75	124
		Toluene-d8	50	52.9	106	86	113
		4-Bromofluorobenzene	50	52.5	105	77	121
Q2302-01RE	250611078-02-VOARE	1,2-Dichloroethane-d4	50	55.0	110	74	125
		Dibromofluoromethane	50	50.8	102	75	124
		Toluene-d8	50	53.0	106	86	113
		4-Bromofluorobenzene	50	52.5	105	77	121
Q2302-02	250611056-09-TRIP-BLANK	1,2-Dichloroethane-d4	50	51.0	102	74	125
		Dibromofluoromethane	50	50.5	101	75	124
		Toluene-d8	50	51.6	103	86	113
		4-Bromofluorobenzene	50	49.4	99	77	121
VN0612WBL01	VN0612WBL01	1,2-Dichloroethane-d4	50	50.8	102	74	125
		Dibromofluoromethane	50	50.8	102	75	124
		Toluene-d8	50	52.4	105	86	113
		4-Bromofluorobenzene	50	50.3	101	77	121
VN0612WBS01	VN0612WBS01	1,2-Dichloroethane-d4	50	54.0	108	74	125
		Dibromofluoromethane	50	55.8	112	75	124
		Toluene-d8	50	53.3	107	86	113
		4-Bromofluorobenzene	50	54.4	109	77	121
VN0612WBSD0	VN0612WBSD01	1,2-Dichloroethane-d4	50	54.6	109	74	125
		Dibromofluoromethane	50	57.4	115	75	124
		Toluene-d8	50	54.1	108	86	113
		4-Bromofluorobenzene	50	55.3	111	77	121
VN0613WBL01	VN0613WBL01	1,2-Dichloroethane-d4	50	48.0	96	74	125
		Dibromofluoromethane	50	49.3	99	75	124
		Toluene-d8	50	51.8	104	86	113
		4-Bromofluorobenzene	50	49.5	99	77	121
VN0613WBS01	VN0613WBS01	1,2-Dichloroethane-d4	50	46.5	93	74	125
		Dibromofluoromethane	50	51.3	103	75	124
		Toluene-d8	50	48.5	97	86	113
		4-Bromofluorobenzene	50	49.5	99	77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2302

Client: Garden State Laboratories, Inc.

Analytical Method: SW8260-Low **Datafile :** VN086970.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0612WBS01	Dichlorodifluoromethane	20	21.1	ug/L	106			69	116	
	Chloromethane	20	17.5	ug/L	88			65	116	
	Vinyl chloride	20	21.0	ug/L	105			65	117	
	Bromomethane	20	17.5	ug/L	88			58	125	
	Chloroethane	20	21.8	ug/L	109			56	128	
	Trichlorofluoromethane	20	21.7	ug/L	109			73	115	
	1,1,2-Trichlorotrifluoroethane	20	21.3	ug/L	106			80	112	
	1,1-Dichloroethene	20	21.1	ug/L	106			74	110	
	Acetone	100	98.2	ug/L	98			60	125	
	Carbon disulfide	20	19.0	ug/L	95			64	112	
	Methyl tert-butyl Ether	20	21.9	ug/L	110			78	114	
	Methyl Acetate	20	22.0	ug/L	110			67	125	
	Methylene Chloride	20	21.2	ug/L	106			72	114	
	trans-1,2-Dichloroethene	20	20.4	ug/L	102			75	108	
	1,1-Dichloroethane	20	22.0	ug/L	110			78	112	
	Cyclohexane	20	18.9	ug/L	95			75	110	
	2-Butanone	100	100	ug/L	100			65	122	
	Carbon Tetrachloride	20	21.6	ug/L	108			77	113	
	cis-1,2-Dichloroethene	20	22.0	ug/L	110			77	110	
	Bromochloromethane	20	23.7	ug/L	119			70	124	
	Chloroform	20	21.9	ug/L	110			79	113	
	1,1,1-Trichloroethane	20	21.7	ug/L	109		*	80	108	
	Methylcyclohexane	20	17.5	ug/L	88			72	115	
	Benzene	20	21.3	ug/L	106			82	109	
	1,2-Dichloroethane	20	21.8	ug/L	109			80	115	
	Trichloroethene	20	21.0	ug/L	105			77	113	
	1,2-Dichloropropane	20	22.3	ug/L	112		*	83	111	
	Bromodichloromethane	20	22.0	ug/L	110			83	110	
	4-Methyl-2-Pentanone	100	110	ug/L	110			74	118	
	Toluene	20	21.1	ug/L	106			82	110	
	t-1,3-Dichloropropene	20	22.1	ug/L	111		*	79	110	
	cis-1,3-Dichloropropene	20	22.0	ug/L	110			82	110	
	1,1,2-Trichloroethane	20	22.8	ug/L	114		*	83	112	
	2-Hexanone	100	97.9	ug/L	98			73	117	
	Dibromochloromethane	20	22.3	ug/L	112		*	82	110	
	1,2-Dibromoethane	20	22.1	ug/L	111		*	81	110	
	Tetrachloroethene	20	19.7	ug/L	99			67	123	
	Chlorobenzene	20	21.7	ug/L	109			82	109	
	Ethyl Benzene	20	20.9	ug/L	104			83	109	
	m/p-Xylenes	40	42.5	ug/L	106			82	110	
	o-Xylene	20	21.4	ug/L	107			83	109	
	Styrene	20	21.4	ug/L	107			80	111	
	Bromoform	20	22.9	ug/L	115		*	79	109	
	Isopropylbenzene	20	20.5	ug/L	103			83	112	
	1,1,2,2-Tetrachloroethane	20	22.7	ug/L	114			76	118	
	1,3-Dichlorobenzene	20	21.3	ug/L	106			82	108	
	1,4-Dichlorobenzene	20	22.0	ug/L	110		*	82	107	
	1,2-Dichlorobenzene	20	21.9	ug/L	110		*	82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2302

Client: Garden State Laboratories, Inc.

Analytical Method: SW8260-Low **Datafile :** VN086970.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0612WBS01	1,2-Dibromo-3-Chloropropane	20	20.6	ug/L	103			68	112	
	1,2,4-Trichlorobenzene	20	19.6	ug/L	98			75	113	
	1,2,3-Trichlorobenzene	20	19.1	ug/L	96			76	114	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2302

Client: Garden State Laboratories, Inc.

Analytical Method: SW8260-Low **Datafile :** VN086971.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0612WBSD01	Dichlorodifluoromethane	20	20.7	ug/L	104	2		69	116	19
	Chloromethane	20	16.8	ug/L	84	5		65	116	21
	Vinyl chloride	20	20.9	ug/L	104	1		65	117	19
	Bromomethane	20	16.7	ug/L	84	5		58	125	20
	Chloroethane	20	21.2	ug/L	106	3		56	128	20
	Trichlorofluoromethane	20	21.0	ug/L	105	4		73	115	16
	1,1,2-Trichlorotrifluoroethane	20	21.6	ug/L	108	2		80	112	15
	1,1-Dichloroethene	20	20.7	ug/L	104	2		74	110	20
	Acetone	100	100	ug/L	100	2		60	125	20
	Carbon disulfide	20	18.8	ug/L	94	1		64	112	20
	Methyl tert-butyl Ether	20	22.7	ug/L	114	4		78	114	20
	Methyl Acetate	20	22.9	ug/L	115	4		67	125	20
	Methylene Chloride	20	21.7	ug/L	109	3		72	114	20
	trans-1,2-Dichloroethene	20	20.6	ug/L	103	1		75	108	16
	1,1-Dichloroethane	20	21.5	ug/L	108	2		78	112	20
	Cyclohexane	20	18.8	ug/L	94	1		75	110	20
	2-Butanone	100	110	ug/L	110	10		65	122	26
	Carbon Tetrachloride	20	21.2	ug/L	106	2		77	113	15
	cis-1,2-Dichloroethene	20	21.7	ug/L	109	1		77	110	20
	Bromochloromethane	20	24.5	ug/L	123	3		70	124	20
	Chloroform	20	22.1	ug/L	111	1		79	113	20
	1,1,1-Trichloroethane	20	21.2	ug/L	106	3		80	108	20
	Methylcyclohexane	20	17.9	ug/L	90	2		72	115	20
	Benzene	20	21.6	ug/L	108	2		82	109	15
	1,2-Dichloroethane	20	23.0	ug/L	115	5		80	115	20
	Trichloroethene	20	21.5	ug/L	108	3		77	113	15
	1,2-Dichloropropane	20	22.4	ug/L	112	0	*	83	111	16
	Bromodichloromethane	20	23.2	ug/L	116	5	*	83	110	16
	4-Methyl-2-Pentanone	100	120	ug/L	120	9	*	74	118	25
	Toluene	20	21.8	ug/L	109	3		82	110	16
	t-1,3-Dichloropropene	20	23.1	ug/L	116	4	*	79	110	20
	cis-1,3-Dichloropropene	20	22.5	ug/L	113	3	*	82	110	16
	1,1,2-Trichloroethane	20	23.2	ug/L	116	2	*	83	112	20
	2-Hexanone	100	100	ug/L	100	2		73	117	25
	Dibromochloromethane	20	23.3	ug/L	117	4	*	82	110	20
	1,2-Dibromoethane	20	23.0	ug/L	115	4	*	81	110	20
	Tetrachloroethene	20	20.7	ug/L	104	5		67	123	15
	Chlorobenzene	20	21.6	ug/L	108	1		82	109	15
	Ethyl Benzene	20	20.7	ug/L	104	0		83	109	16
	m/p-Xylenes	40	42.3	ug/L	106	0		82	110	15
	o-Xylene	20	21.6	ug/L	108	1		83	109	20
	Styrene	20	21.8	ug/L	109	2		80	111	17
	Bromoform	20	24.5	ug/L	123	7	*	79	109	20
	Isopropylbenzene	20	20.3	ug/L	102	1		83	112	29
	1,1,2,2-Tetrachloroethane	20	23.8	ug/L	119	4	*	76	118	20
	1,3-Dichlorobenzene	20	21.5	ug/L	108	2		82	108	20
	1,4-Dichlorobenzene	20	21.7	ug/L	109	1	*	82	107	15
	1,2-Dichlorobenzene	20	22.4	ug/L	112	2	*	82	109	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2302

Client: Garden State Laboratories, Inc.

Analytical Method: SW8260-Low **Datafile :** VN086971.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0612WBSD01	1,2-Dibromo-3-Chloropropane	20	21.6	ug/L	108	5		68	112	20
	1,2,4-Trichlorobenzene	20	19.9	ug/L	100	2		75	113	29
	1,2,3-Trichlorobenzene	20	19.6	ug/L	98	2		76	114	29

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2302

Client: Garden State Laboratories, Inc.

Analytical Method: SW8260-Low **Datafile :** VN087000.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0613WBS01	Dichlorodifluoromethane	20	21.5	ug/L	108			69	116	
	Chloromethane	20	18.6	ug/L	93			65	116	
	Vinyl chloride	20	22.4	ug/L	112			65	117	
	Bromomethane	20	18.5	ug/L	93			58	125	
	Chloroethane	20	21.8	ug/L	109			56	128	
	Trichlorofluoromethane	20	21.6	ug/L	108			73	115	
	1,1,2-Trichlorotrifluoroethane	20	21.1	ug/L	106			80	112	
	1,1-Dichloroethene	20	22.2	ug/L	111		*	74	110	
	Acetone	100	86.7	ug/L	87			60	125	
	Carbon disulfide	20	23.4	ug/L	117		*	64	112	
	Methyl tert-butyl Ether	20	20.1	ug/L	101			78	114	
	Methyl Acetate	20	16.2	ug/L	81			67	125	
	Methylene Chloride	20	20.4	ug/L	102			72	114	
	trans-1,2-Dichloroethene	20	21.4	ug/L	107			75	108	
	1,1-Dichloroethane	20	20.5	ug/L	103			78	112	
	Cyclohexane	20	19.7	ug/L	99			75	110	
	2-Butanone	100	91.2	ug/L	91			65	122	
	Carbon Tetrachloride	20	21.4	ug/L	107			77	113	
	cis-1,2-Dichloroethene	20	21.5	ug/L	108			77	110	
	Bromochloromethane	20	21.7	ug/L	109			70	124	
	Chloroform	20	20.5	ug/L	103			79	113	
	1,1,1-Trichloroethane	20	20.3	ug/L	102			80	108	
	Methylcyclohexane	20	19.2	ug/L	96			72	115	
	Benzene	20	21.5	ug/L	108			82	109	
	1,2-Dichloroethane	20	21.1	ug/L	106			80	115	
	Trichloroethene	20	21.9	ug/L	110			77	113	
	1,2-Dichloropropane	20	20.9	ug/L	104			83	111	
	Bromodichloromethane	20	21.4	ug/L	107			83	110	
	4-Methyl-2-Pentanone	100	99.2	ug/L	99			74	118	
	Toluene	20	21.8	ug/L	109			82	110	
	t-1,3-Dichloropropene	20	21.1	ug/L	106			79	110	
	cis-1,3-Dichloropropene	20	21.3	ug/L	106			82	110	
	1,1,2-Trichloroethane	20	21.3	ug/L	106			83	112	
	2-Hexanone	100	89.7	ug/L	90			73	117	
	Dibromochloromethane	20	21.9	ug/L	110			82	110	
	1,2-Dibromoethane	20	21.6	ug/L	108			81	110	
	Tetrachloroethene	20	21.7	ug/L	109			67	123	
	Chlorobenzene	20	21.7	ug/L	109			82	109	
	Ethyl Benzene	20	21.3	ug/L	106			83	109	
	m/p-Xylenes	40	43.9	ug/L	110			82	110	
	o-Xylene	20	22.0	ug/L	110		*	83	109	
	Styrene	20	21.6	ug/L	108			80	111	
	Bromoform	20	22.7	ug/L	114		*	79	109	
	Isopropylbenzene	20	20.3	ug/L	102			83	112	
	1,1,2,2-Tetrachloroethane	20	21.0	ug/L	105			76	118	
	1,3-Dichlorobenzene	20	21.2	ug/L	106			82	108	
	1,4-Dichlorobenzene	20	21.3	ug/L	106			82	107	
	1,2-Dichlorobenzene	20	20.7	ug/L	104			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2302

Client: Garden State Laboratories, Inc.

Analytical Method: SW8260-Low **Datafile :** VN087000.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0613WBS01	1,2-Dibromo-3-Chloropropane	20	19.7	ug/L	99			68	112	
	1,2,4-Trichlorobenzene	20	19.1	ug/L	96			75	113	
	1,2,3-Trichlorobenzene	20	18.5	ug/L	93			76	114	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0612WBL01

Lab Name: CHEMTECH Contract: GARD04

Lab Code: CHEM Case No.: Q2302 SAS No.: Q2302 SDG NO.: Q2302

Lab File ID: VN086969.D Lab Sample ID: VN0612WBL01

Date Analyzed: 06/12/2025 Time Analyzed: 11:55

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
VN0612WBS01	VN0612WBS01	VN086970.D	06/12/2025
VN0612WBSD01	VN0612WBSD01	VN086971.D	06/12/2025
250611078-02-VOA	Q2302-01	VN086980.D	06/12/2025
250611056-09-TRIP-BLANK	Q2302-02	VN086983.D	06/12/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0613WBL01

Lab Name: CHEMTECH Contract: GARD04

Lab Code: CHEM Case No.: Q2302 SAS No.: Q2302 SDG NO.: Q2302

Lab File ID: VN086998.D Lab Sample ID: VN0613WBL01

Date Analyzed: 06/13/2025 Time Analyzed: 13:47

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
VN0613WBS01	VN0613WBS01	VN087000.D	06/13/2025
250611078-02-VOARE	Q2302-01RE	VN087014.D	06/13/2025

COMMENTS:

Raw Data: **VN086861.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GARD04

Lab Code: CHEM Case No.: Q2302 SAS No.: Q2302 SDG NO.: Q2302

Lab File ID: VN086861.D BFB Injection Date: 06/06/2025

Instrument ID: MSVOA_N BFB Injection Time: 07:59

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	17.3
75	30.0 - 60.0% of mass 95	48.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	66.6
175	5.0 - 9.0% of mass 174	4.7 (7.1) 1
176	95.0 - 101.0% of mass 174	65.3 (98.1) 1
177	5.0 - 9.0% of mass 176	4.4 (6.8) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VN086862.D	06/06/2025	12:44
VSTDICC005	VSTDICC005	VN086863.D	06/06/2025	13:17
VSTDICC020	VSTDICC020	VN086864.D	06/06/2025	13:40
VSTDICCC050	VSTDICCC050	VN086865.D	06/06/2025	14:03
VSTDICC100	VSTDICC100	VN086866.D	06/06/2025	14:26
VSTDICC150	VSTDICC150	VN086867.D	06/06/2025	14:49

Raw Data: **VN086966.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GARD04

Lab Code: CHEM Case No.: Q2302 SAS No.: Q2302 SDG NO.: Q2302

Lab File ID: VN086966.D BFB Injection Date: 06/12/2025

Instrument ID: MSVOA_N BFB Injection Time: 10:25

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	15.7
75	30.0 - 60.0% of mass 95	48
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.4 (0.6) 1
174	50.0 - 100.0% of mass 95	69.8
175	5.0 - 9.0% of mass 174	5.2 (7.5) 1
176	95.0 - 101.0% of mass 174	67.4 (96.6) 1
177	5.0 - 9.0% of mass 176	4.2 (6.2) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN086967.D	06/12/2025	10:58
VN0612WBL01	VN0612WBL01	VN086969.D	06/12/2025	11:55
VN0612WBS01	VN0612WBS01	VN086970.D	06/12/2025	12:17
VN0612WBSD01	VN0612WBSD01	VN086971.D	06/12/2025	12:53
250611078-02-VOA	Q2302-01	VN086980.D	06/12/2025	16:17
250611056-09-TRIP-BLANK	Q2302-02	VN086983.D	06/12/2025	17:25

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GARD04

Lab Code: CHEM Case No.: Q2302 SAS No.: Q2302 SDG NO.: Q2302

Lab File ID: VN086995.D BFB Injection Date: 06/13/2025

Instrument ID: MSVOA_N BFB Injection Time: 10:26

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	15.3
75	30.0 - 60.0% of mass 95	45.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	73.2
175	5.0 - 9.0% of mass 174	5.5 (7.5) 1
176	95.0 - 101.0% of mass 174	69.5 (94.9) 1
177	5.0 - 9.0% of mass 176	4.4 (6.3) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN086996.D	06/13/2025	12:52
VN0613WBL01	VN0613WBL01	VN086998.D	06/13/2025	13:47
VN0613WBS01	VN0613WBS01	VN087000.D	06/13/2025	14:32
250611078-02-VOARE	Q2302-01RE	VN087014.D	06/13/2025	19:51

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GARD04

Lab Code: CHEM Case No.: Q2302 SAS No.: Q2302 SDG NO.: Q2302

Lab File ID: VN086967.D Date Analyzed: 06/12/2025

Instrument ID: MSVOA_N Time Analyzed: 10:58

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	185417	8.23	334881	9.11	291913	11.87
UPPER LIMIT	370834	8.729	669762	9.606	583826	12.365
LOWER LIMIT	92708.5	7.729	167441	8.606	145957	11.365
EPA SAMPLE NO.						
250611078-02-VOA	214885	8.24	415965	9.11	381430	11.87
250611056-09-TRIP-BLANK	289495	8.24	557887	9.11	494340	11.87
VN0612WBL01	293212	8.23	559485	9.11	496764	11.87
VN0612WBS01	173273	8.24	314156	9.11	274906	11.87
VN0612WBSD01	164097	8.23	292991	9.11	261207	11.87

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GARD04

Lab Code: CHEM Case No.: Q2302 SAS No.: Q2302 SDG NO.: Q2302

Lab File ID: VN086967.D Date Analyzed: 06/12/2025

Instrument ID: MSVOA_N Time Analyzed: 10:58

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	144672	13.794				
UPPER LIMIT	289344	14.294				
LOWER LIMIT	72336	13.294				
EPA SAMPLE NO.						
250611078-02-VOA	185553	13.79				
250611056-09-TRIP-BLANK	234791	13.79				
VN0612WBL01	239856	13.79				
VN0612WBS01	136822	13.79				
VN0612WBSD01	129235	13.79				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GARD04

Lab Code: CHEM Case No.: Q2302 SAS No.: Q2302 SDG NO.: Q2302

Lab File ID: VN086996.D Date Analyzed: 06/13/2025

Instrument ID: MSVOA_N Time Analyzed: 12:52

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	190412	8.23	349185	9.11	311622	11.87
UPPER LIMIT	380824	8.73	698370	9.606	623244	12.365
LOWER LIMIT	95206	7.73	174593	8.606	155811	11.365
EPA SAMPLE NO.						
250611078-02-VOARE	194559	8.23	391285	9.11	359346	11.87
VN0613WBL01	317214	8.24	606954	9.11	536496	11.87
VN0613WBS01	193820	8.23	342767	9.11	297937	11.87

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GARD04

Lab Code: CHEM Case No.: Q2302 SAS No.: Q2302 SDG NO.: Q2302

Lab File ID: VN086996.D Date Analyzed: 06/13/2025

Instrument ID: MSVOA_N Time Analyzed: 12:52

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	154974	13.794				
UPPER LIMIT	309948	14.294				
LOWER LIMIT	77487	13.294				
EPA SAMPLE NO.						
250611078-02-VOARE	172357	13.79				
VN0613WBL01	258118	13.79				
VN0613WBS01	150656	13.79				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

Raw Data: **VN086980.D**

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Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	06/11/25
Project:	Waste Water 2025	Date Received:	06/12/25
Client Sample ID:	250611078-02-VOA	SDG No.:	Q2302
Lab Sample ID:	Q2302-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086980.D	1		06/12/25 16:17	VN061225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	310		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	4.20		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	2.70		0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	240		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	UQ	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	5.40		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	UQ	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	UQ	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	7.40	Q	0.68	5.00	ug/L
108-88-3	Toluene	15.8		0.14	1.00	ug/L

Raw Data: **VN086980.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	06/11/25
Project:	Waste Water 2025	Date Received:	06/12/25
Client Sample ID:	250611078-02-VOA	SDG No.:	Q2302
Lab Sample ID:	Q2302-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086980.D	1		06/12/25 16:17	VN061225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	UQ	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	UQ	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	UQ	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	UQ	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	UQ	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	3.10		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	16.1		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	14.6		0.24	2.00	ug/L
95-47-6	o-Xylene	8.50		0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	UQ	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	2.00		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	UQ	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	3.70	Q	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	UQ	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.7		74 - 125	105%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	52.9		86 - 113	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.5		77 - 121	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	215000	8.235			
540-36-3	1,4-Difluorobenzene	416000	9.106			
3114-55-4	Chlorobenzene-d5	381000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	186000	13.794			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VN086980.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	06/11/25
Project:	Waste Water 2025	Date Received:	06/12/25
Client Sample ID:	250611078-02-VOA	SDG No.:	Q2302
Lab Sample ID:	Q2302-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086980.D	1		06/12/25 16:17	VN061225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000115-10-6	Dimethyl ether	16.7	J		2.32	ug/L
000074-93-1	Methanethiol	16.6	J		2.88	ug/L
60-29-7	Diethyl Ether	3.70	J		3.97	ug/L
75-65-0	Tert butyl alcohol	7400	J		5.54	ug/L
109-99-9	Tetrahydrofuran	700	J		7.85	ug/L
000513-53-1	2-Butanethiol	19.2	J		8.67	ug/L
000565-80-0	3-Pentanone, 2,4-dimethyl-	22.2	J		11.2	ug/L
103-65-1	n-propylbenzene	0.84	J		13.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	1.30	J		13.2	ug/L
95-63-6	1,2,4-Trimethylbenzene	4.60	J		13.5	ug/L
99-87-6	p-Isopropyltoluene	16.6	J		13.7	ug/L
001195-79-5	Fenchone	89.0	J		14.7	ug/L
000464-49-3	(+)-2-Bornanone	140	J		15.3	ug/L
000098-55-5	.alpha.-Terpineol	30.3	J		15.5	ug/L
91-20-3	Naphthalene	28.0	J		15.6	ug/L
002547-27-5	unknown16.005	24.7	J		16.0	ug/L

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086980.D
Acq On : 12 Jun 2025 16:17
Operator : JC\MD
Sample : Q2302-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 13 01:30:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOA

Manual Integrations APPROVED

Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	214885	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	415965	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	381430	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	185553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	151583	52.687	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.380%			
35) Dibromofluoromethane	8.177	113	127566	51.749	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.500%			
50) Toluene-d8	10.570	98	515850	52.860	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.720%			
62) 4-Bromofluorobenzene	12.847	95	190491	52.540	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.080%			
Target Compounds						Qvalue
8) Diethyl Ether	3.971	74	6087	3.747	ug/l	90
11) Tert butyl alcohol	5.541	59	5767759	7388.260	ug/l	99
16) Acetone	4.441	43	466692	305.880	ug/l	99
17) Carbon Disulfide	4.736	76	28025	4.236	ug/l	96
19) Methyl tert-butyl Ether	5.824	73	23354	2.697	ug/l #	84
25) 2-Butanone	7.494	43	601601m	242.578	ug/l	
29) Tetrahydrofuran	7.847	42	1125385	696.589	ug/l	96
40) Benzene	8.618	78	65221	5.430	ug/l	99
51) 4-Methyl-2-Pentanone	10.447	43	33469m	7.408	ug/l	
52) Toluene	10.635	92	115821	15.778	ug/l	100
65) Chlorobenzene	11.894	112	25847	3.072	ug/l	97
67) Ethyl Benzene	11.965	91	233632	16.123	ug/l	99
68) m/p-Xylenes	12.070	106	81139	14.628	ug/l	98
69) o-Xylene	12.400	106	45066	8.483	ug/l	100
73) Isopropylbenzene	12.694	105	27092	2.004	ug/l	97
78) n-propylbenzene	13.035	91	13756	0.837	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	14512	1.300	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	51433	4.596	ug/l	99
86) p-Isopropyltoluene	13.729	119	203065	16.558	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	23143	3.722	ug/l	87
95) Naphthalene	15.641	128	390628	28.046	ug/l	99

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

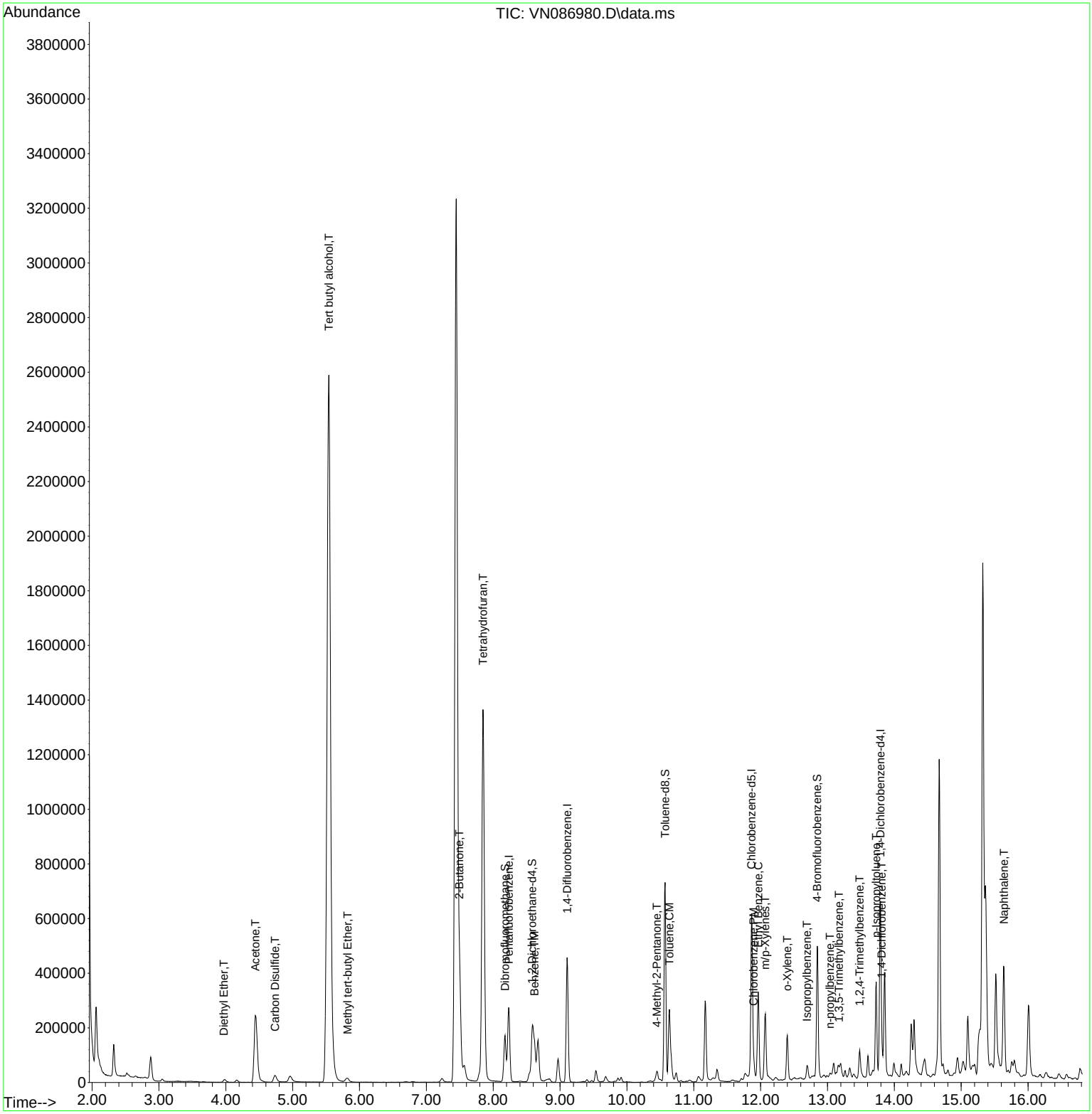
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086980.D
Acq On : 12 Jun 2025 16:17
Operator : JC\MD
Sample : Q2302-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

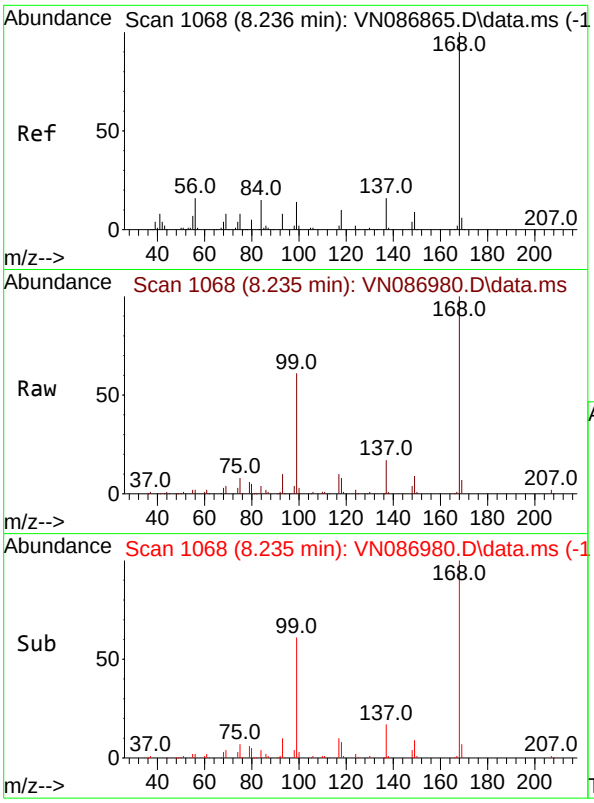
Quant Time: Jun 13 01:30:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOA

Manual Integrations APPROVED

Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

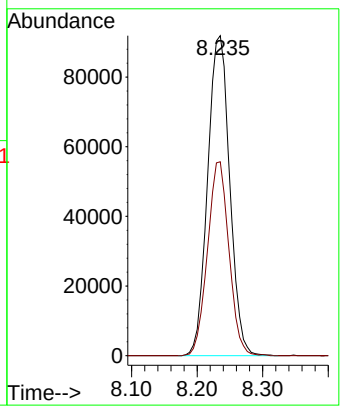




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN086980.D
Acq: 12 Jun 2025 16:17

Tgt Ion:168 Resp: 21488

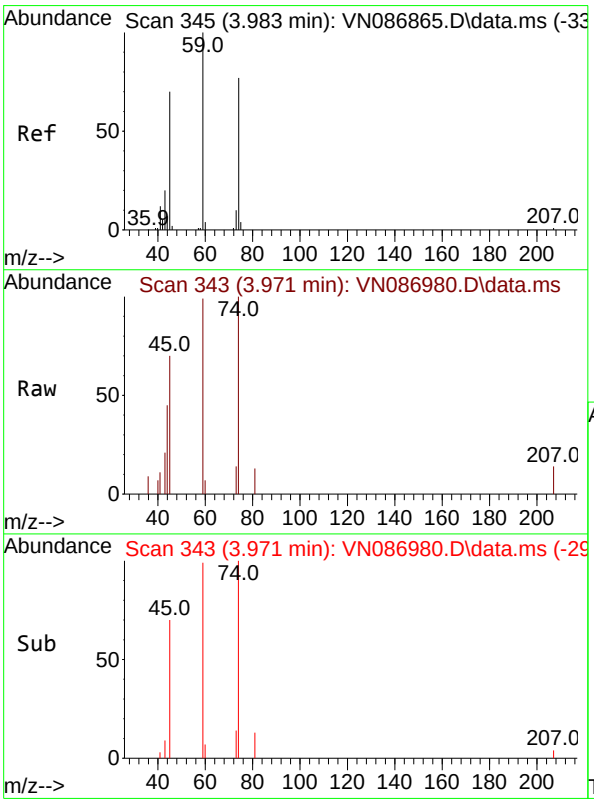
Ion	Ratio	Lower	Upper
168	100		
99	60.6	49.1	73.7



Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOA

Manual Integrations
APPROVED

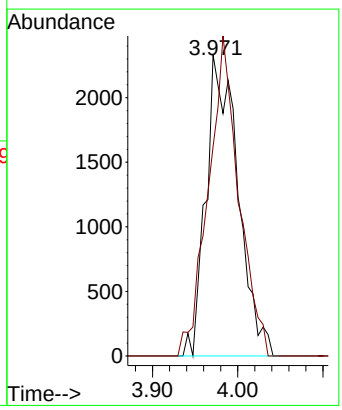
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

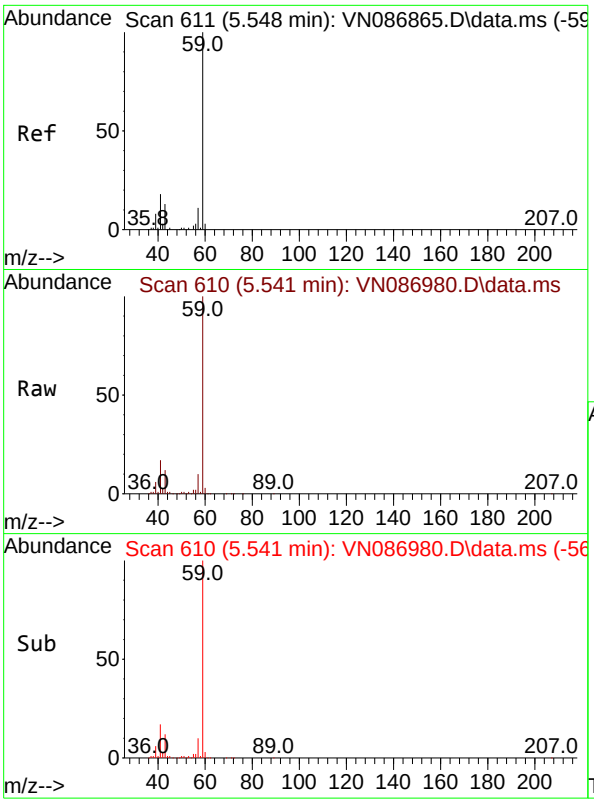


#8
Diethyl Ether
Concen: 3.747 ug/l
RT: 3.971 min Scan# 343
Delta R.T. -0.012 min
Lab File: VN086980.D
Acq: 12 Jun 2025 16:17

Tgt Ion: 74 Resp: 6087

Ion	Ratio	Lower	Upper
74	100		
45	100.9	45.5	136.5

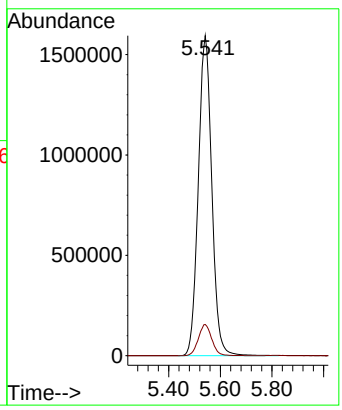




#11
Tert butyl alcohol
Concen: 7388.260 ug/l
RT: 5.541 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN086980.D
Acq: 12 Jun 2025 16:17

Tgt Ion: 59 Resp: 576775

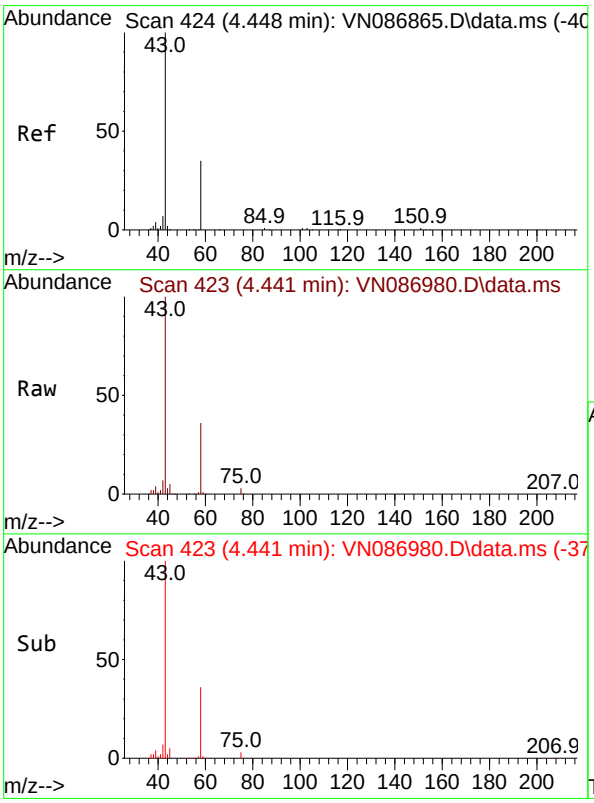
Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.1	12.1



Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOA

Manual Integrations
APPROVED

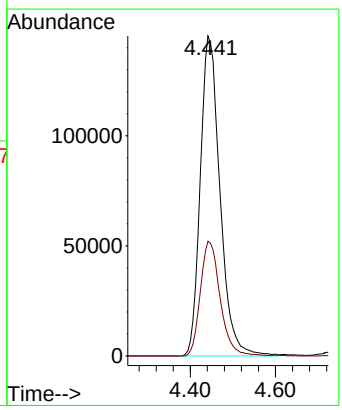
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

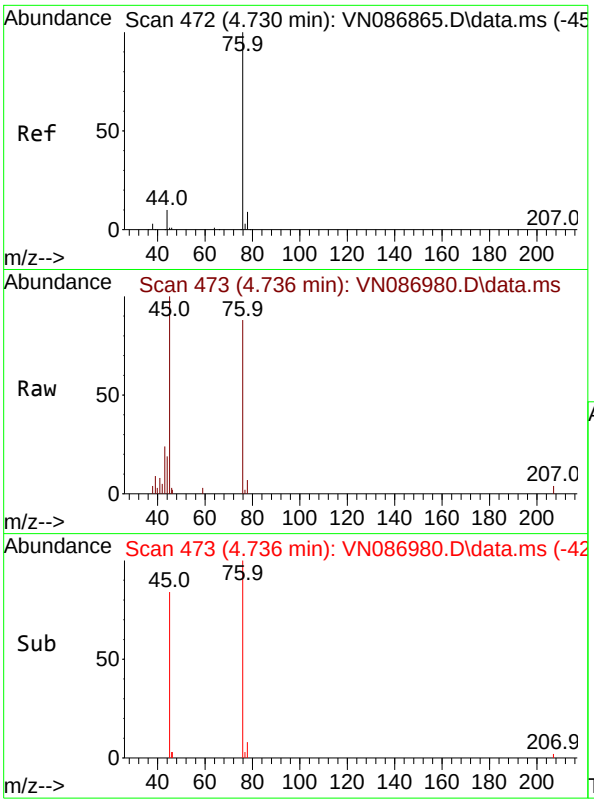


#16
Acetone
Concen: 305.880 ug/l
RT: 4.441 min Scan# 423
Delta R.T. -0.006 min
Lab File: VN086980.D
Acq: 12 Jun 2025 16:17

Tgt Ion: 43 Resp: 466692

Ion	Ratio	Lower	Upper
43	100		
58	35.9	28.0	42.0

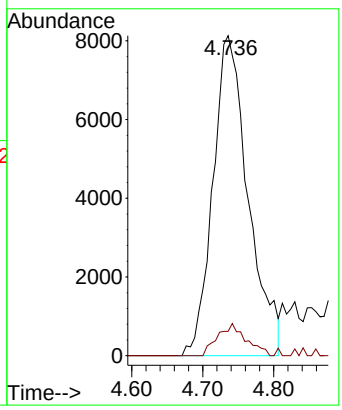




#17
Carbon Disulfide
Concen: 4.236 ug/l
RT: 4.736 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN086980.D
Acq: 12 Jun 2025 16:17

Tgt Ion: 76 Resp: 2802

Ion	Ratio	Lower	Upper
76	100		
78	7.6	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOA

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/13/2025
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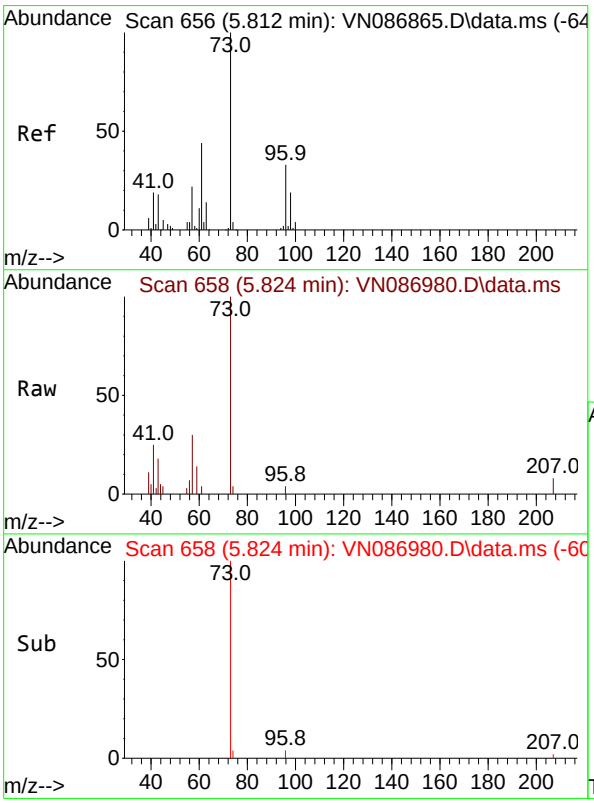
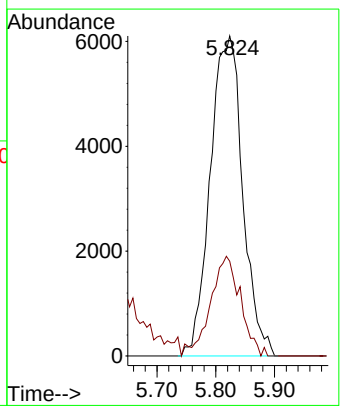
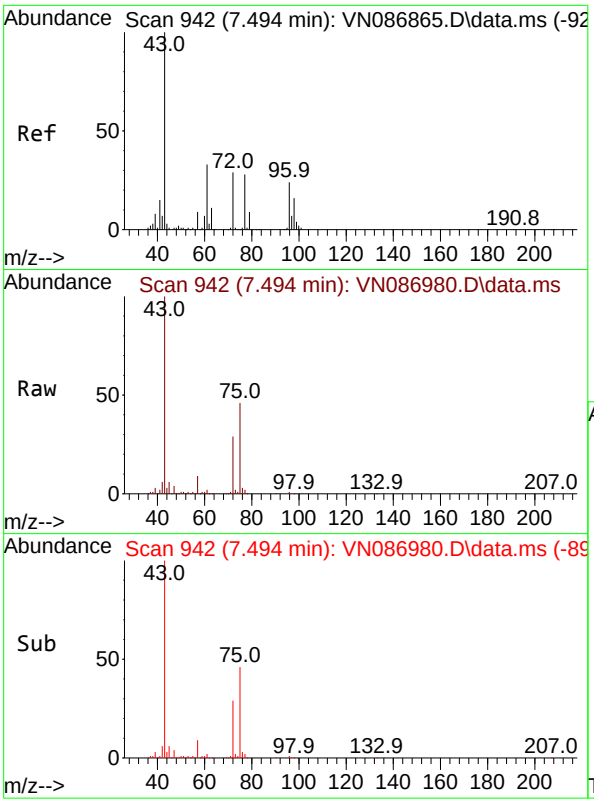


#19
Methyl tert-butyl Ether
Concen: 2.697 ug/l
RT: 5.824 min Scan# 658
Delta R.T. 0.012 min
Lab File: VN086980.D
Acq: 12 Jun 2025 16:17

Tgt Ion: 73 Resp: 23354

Ion	Ratio	Lower	Upper
73	100		
57	29.6	17.4	26.2#





#25
2-Butanone
Concen: 242.578 ug/l m
RT: 7.494 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086980.D
Acq: 12 Jun 2025 16:17

Tgt Ion: 43 Resp: 60160

Ion	Ratio	Lower	Upper
43	100		
72	29.4	23.0	34.6

Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOA

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/13/2025
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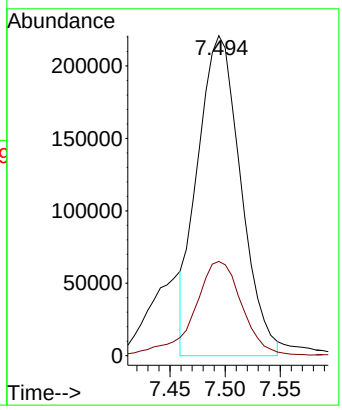
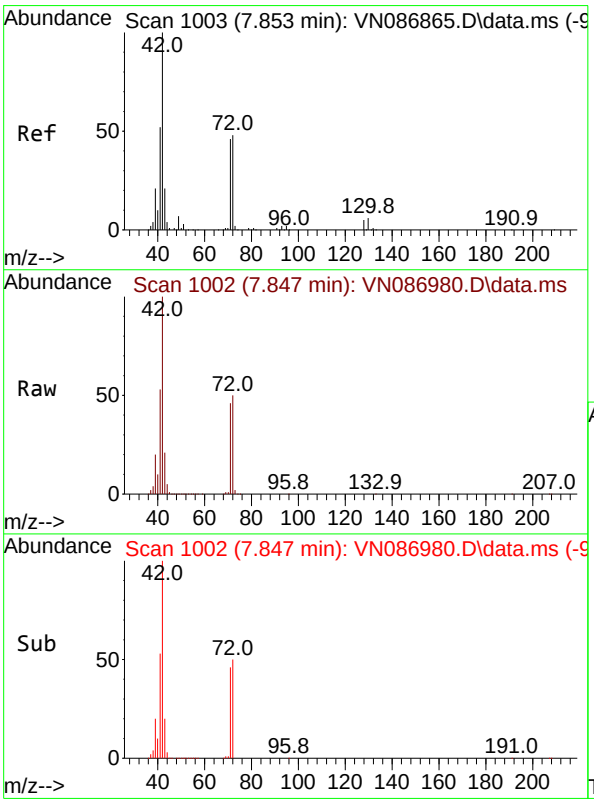
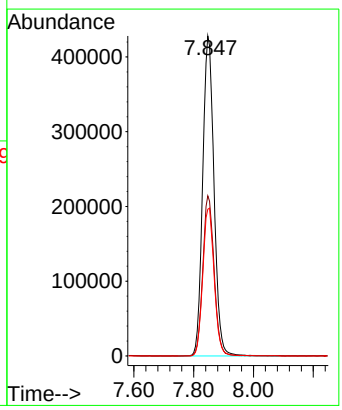


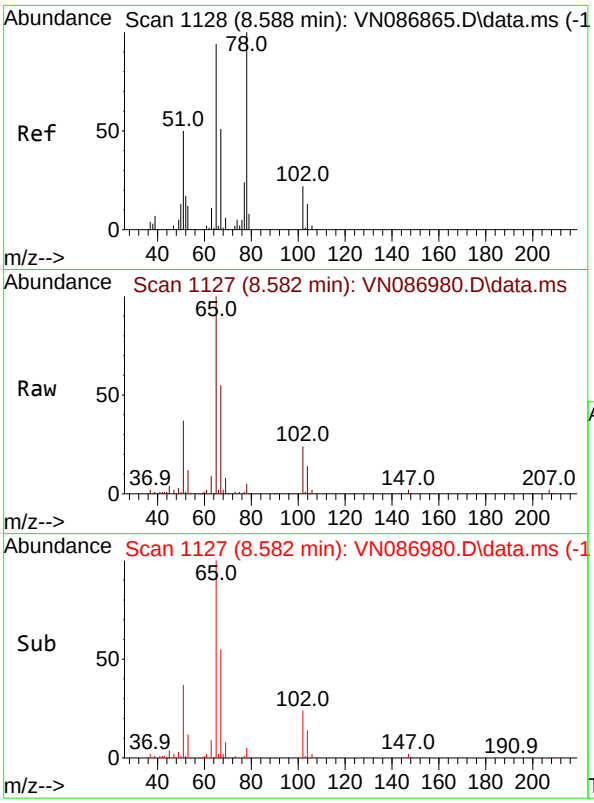


#29
Tetrahydrofuran
Concen: 696.589 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VN086980.D
Acq: 12 Jun 2025 16:17

Tgt Ion: 42 Resp: 1125385

Ion	Ratio	Lower	Upper
42	100		
72	49.9	37.8	56.6
71	46.4	35.6	53.4





#33
1,2-Dichloroethane-d4
Concen: 52.687 ug/l
RT: 8.582 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086980.D
Acq: 12 Jun 2025 16:17

Tgt Ion: 65 Resp: 15158

Ion	Ratio	Lower	Upper
65	100		
67	56.2	0.0	105.6

Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOA

Manual Integrations
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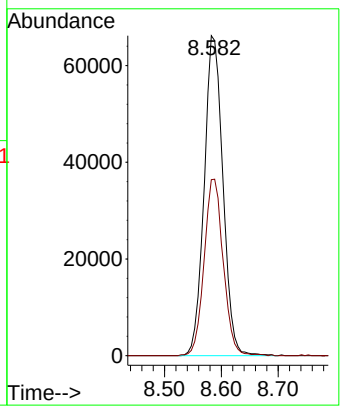
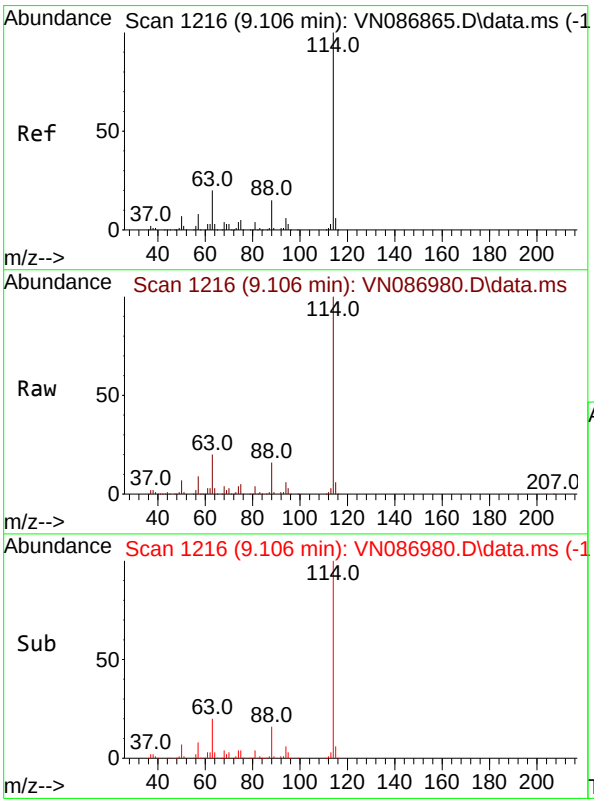
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

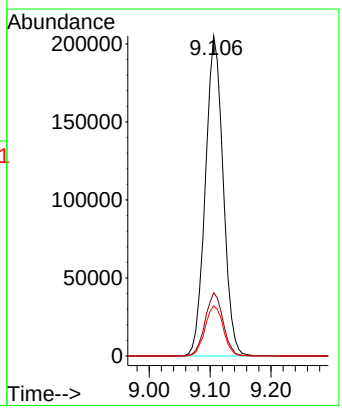


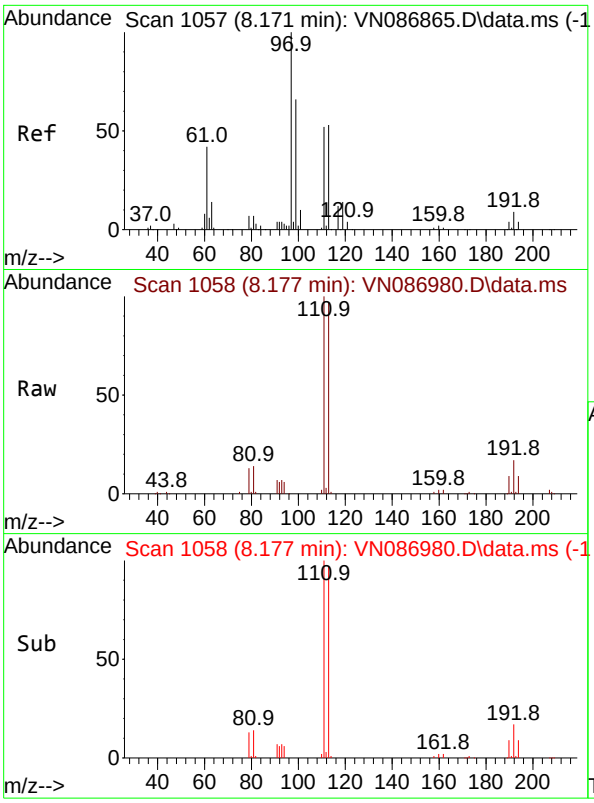


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086980.D
Acq: 12 Jun 2025 16:17

Tgt Ion:114 Resp: 415965

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.6
88	15.6	0.0	30.2

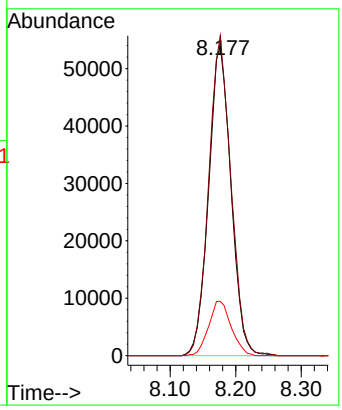




#35
Dibromofluoromethane
Concen: 51.749 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086980.D
Acq: 12 Jun 2025 16:17

Tgt Ion:113 Resp: 12756

Ion	Ratio	Lower	Upper
113	100		
111	102.9	84.2	126.2
192	17.8	14.2	21.4



Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOA

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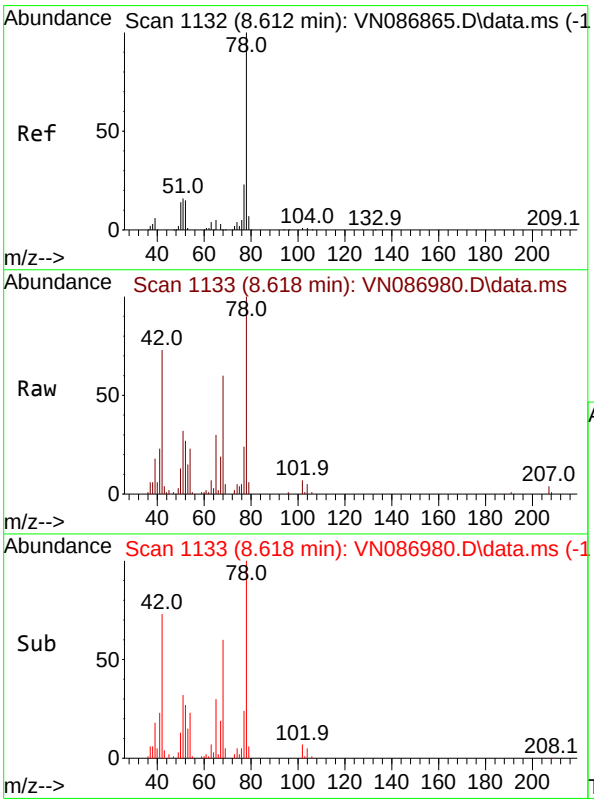
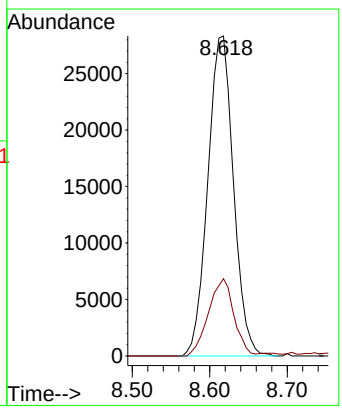
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

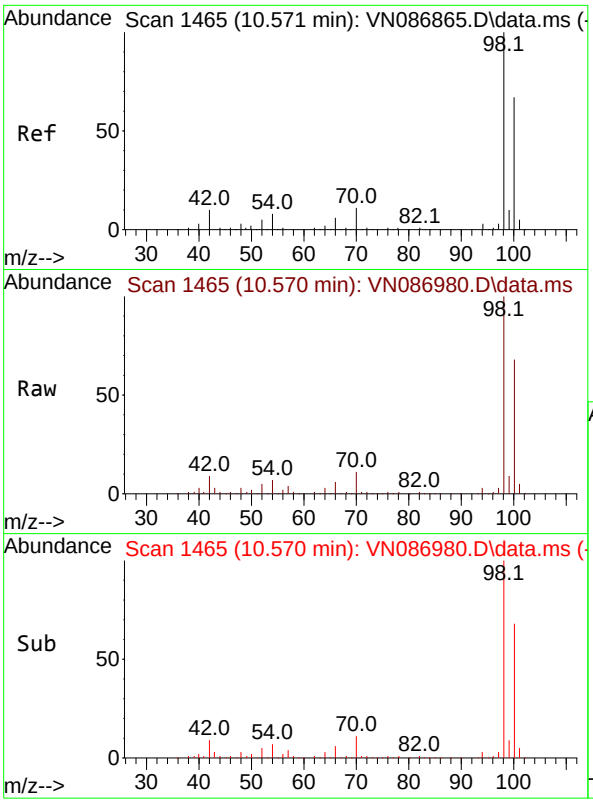


#40
Benzene
Concen: 5.430 ug/l
RT: 8.618 min Scan# 1133
Delta R.T. 0.006 min
Lab File: VN086980.D
Acq: 12 Jun 2025 16:17

Tgt Ion: 78 Resp: 65221

Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.7	28.1





#50
Toluene-d8
Concen: 52.860 ug/l
RT: 10.570 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086980.D
Acq: 12 Jun 2025 16:17

Tgt Ion: 98 Resp: 51585

Ion	Ratio	Lower	Upper
98	100		
100	67.7	53.4	80.0

Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOA

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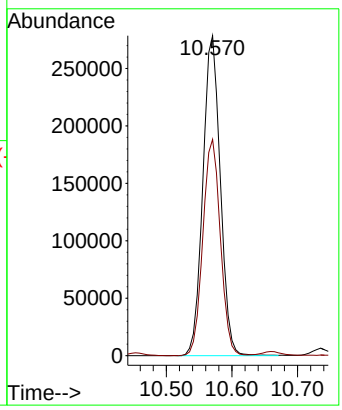
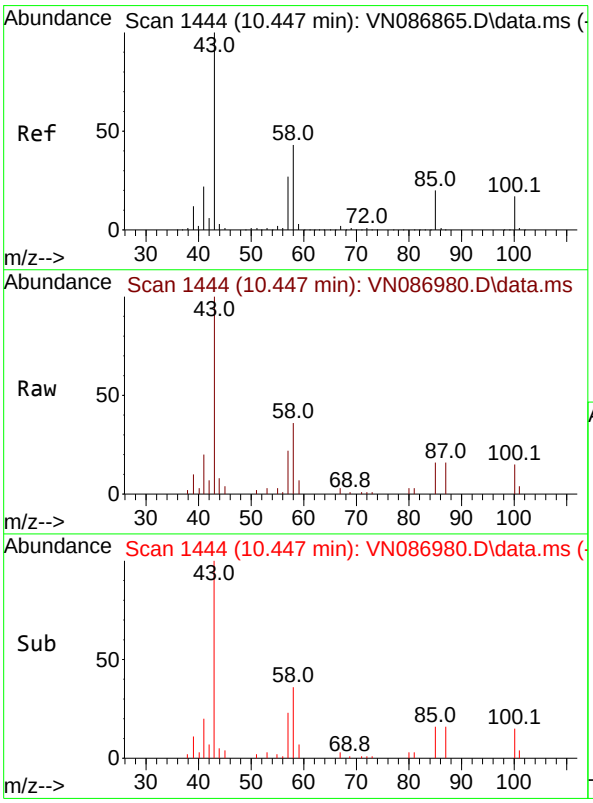
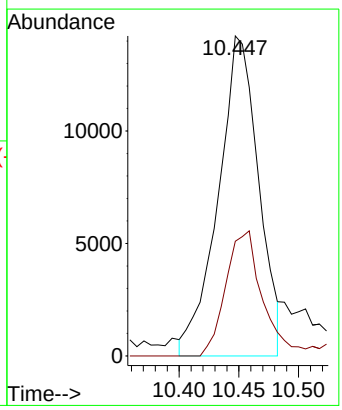


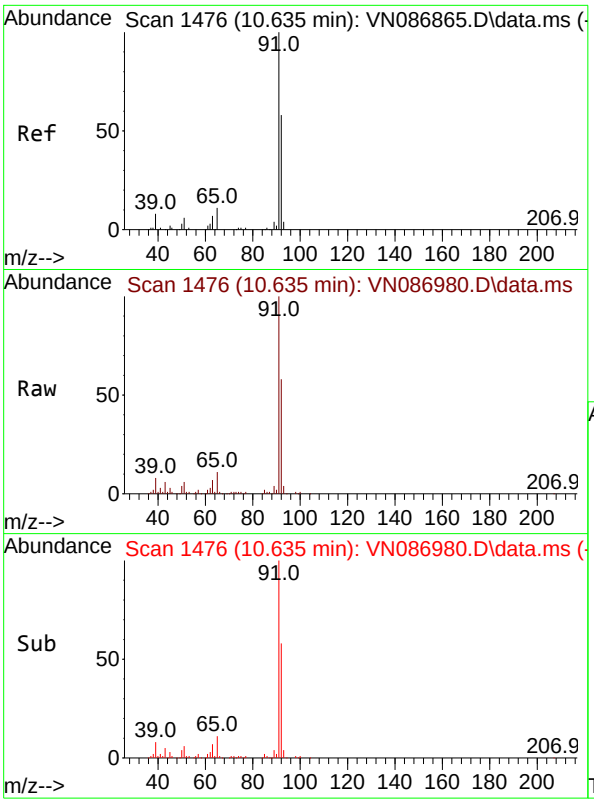


#51
4-Methyl-2-Pentanone
Concen: 7.408 ug/l m
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN086980.D
Acq: 12 Jun 2025 16:17

Tgt Ion: 43 Resp: 33469

Ion	Ratio	Lower	Upper
43	100		
58	15.4	34.2	51.4#





#52
Toluene
Concen: 15.778 ug/l
RT: 10.635 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086980.D
Acq: 12 Jun 2025 16:17

Tgt Ion: 92 Resp: 11582

Ion	Ratio	Lower	Upper
92	100		
91	171.1	136.5	204.7

Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOA

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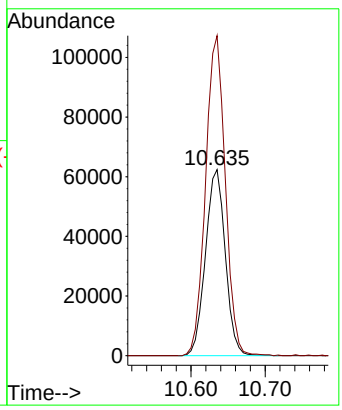
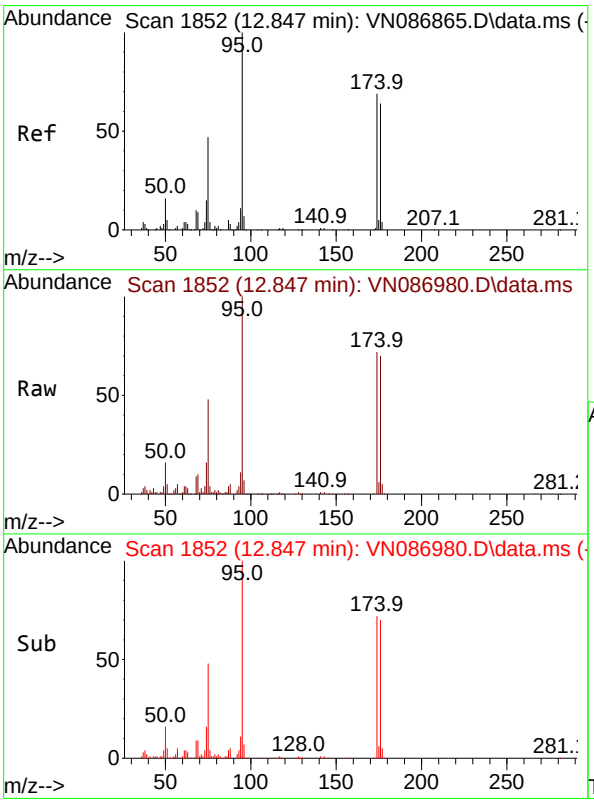
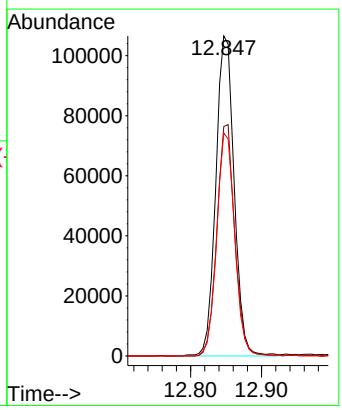


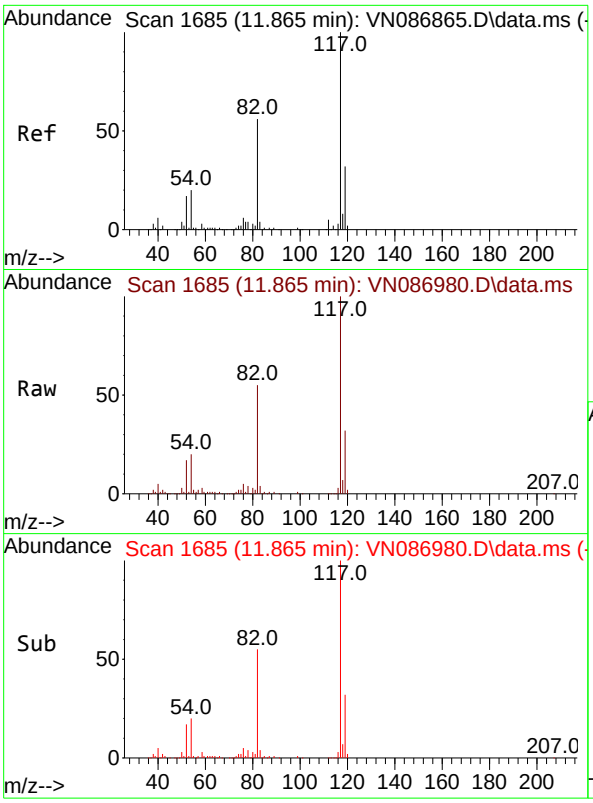


#62
4-Bromofluorobenzene
Concen: 52.540 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086980.D
Acq: 12 Jun 2025 16:17

Tgt Ion: 95 Resp: 190491

Ion	Ratio	Lower	Upper
95	100		
174	70.5	0.0	141.8
176	68.3	0.0	132.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086980.D
Acq: 12 Jun 2025 16:17

Tgt Ion:117 Resp: 38143

Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.6	67.0
119	32.0	25.5	38.3

Instrument :
MSVOA_N
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250611078-02-VOA

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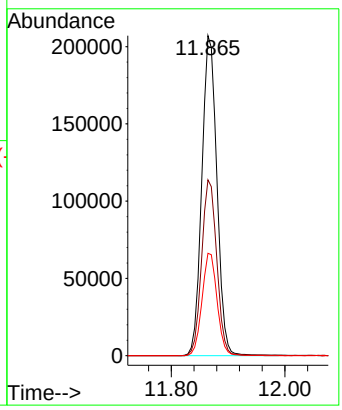
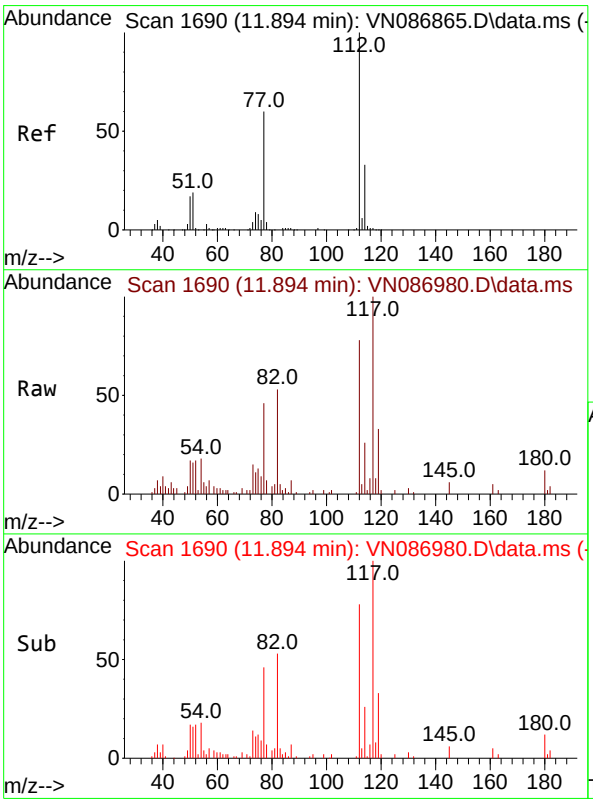
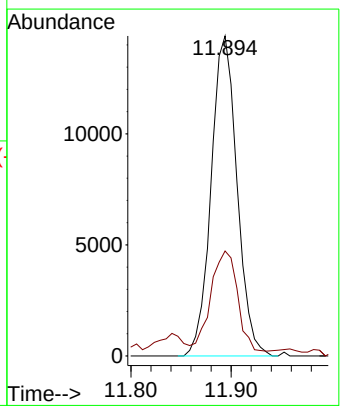


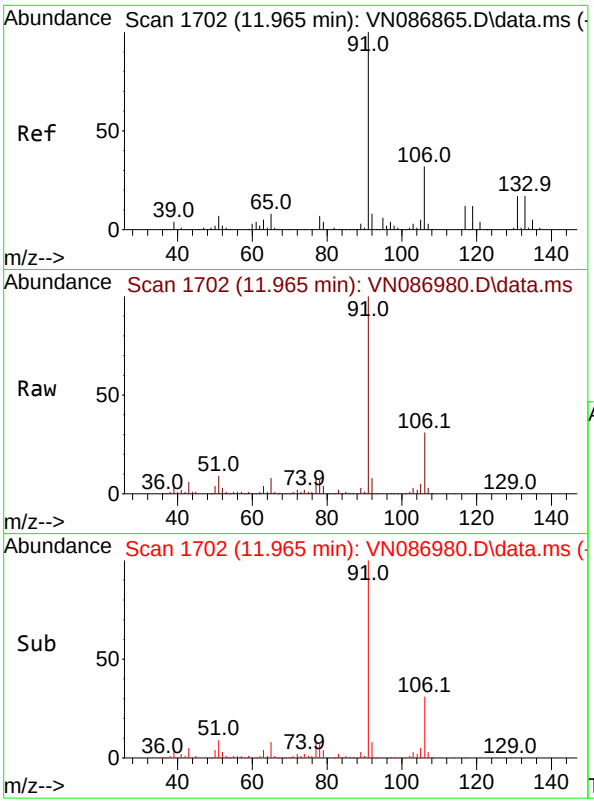


#65
Chlorobenzene
Concen: 3.072 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. -0.000 min
Lab File: VN086980.D
Acq: 12 Jun 2025 16:17

Tgt Ion:112 Resp: 25847

Ion	Ratio	Lower	Upper
112	100		
114	31.0	26.2	39.2





#67
Ethyl Benzene
Concen: 16.123 ug/l
RT: 11.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086980.D
Acq: 12 Jun 2025 16:17

Tgt Ion: 91 Resp: 23363

Ion	Ratio	Lower	Upper
91	100		
106	31.1	25.4	38.2

Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOA

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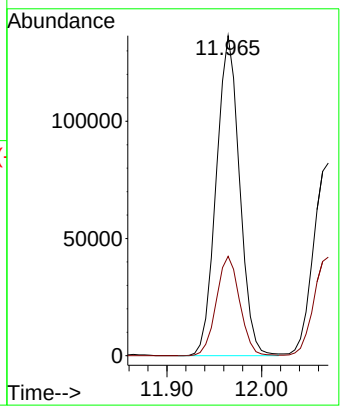
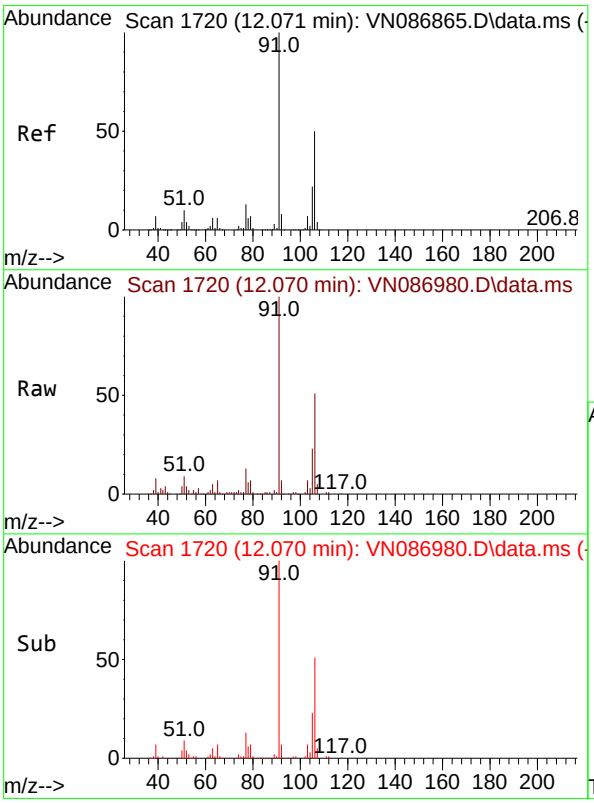
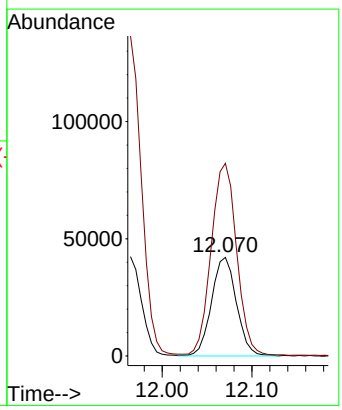


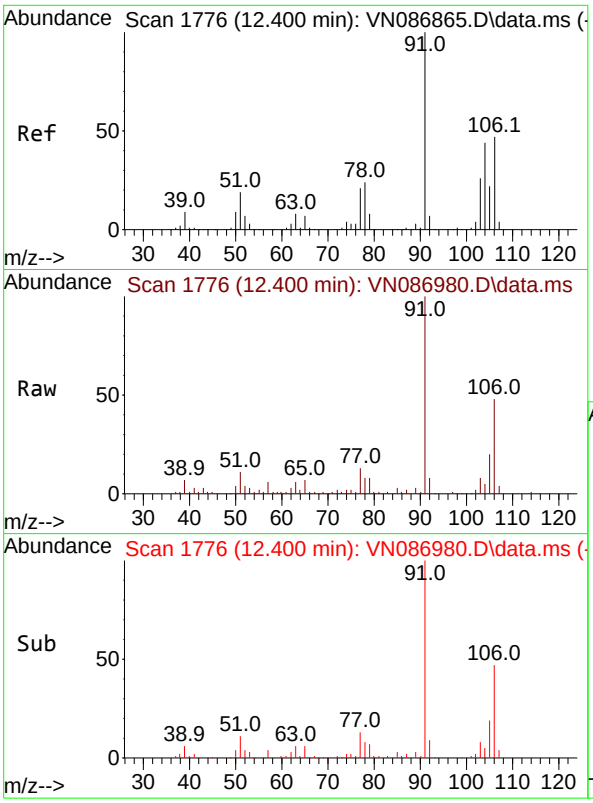


#68
m/p-Xylenes
Concen: 14.628 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086980.D
Acq: 12 Jun 2025 16:17

Tgt Ion:106 Resp: 81139

Ion	Ratio	Lower	Upper
106	100		
91	202.1	159.4	239.0





#69
o-Xylene
Concen: 8.483 ug/l
RT: 12.400 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086980.D
Acq: 12 Jun 2025 16:17

Tgt Ion:106 Resp: 4506

Ion	Ratio	Lower	Upper
106	100		
91	212.7	106.1	318.1

Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOA

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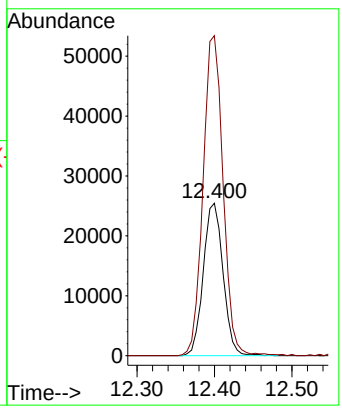
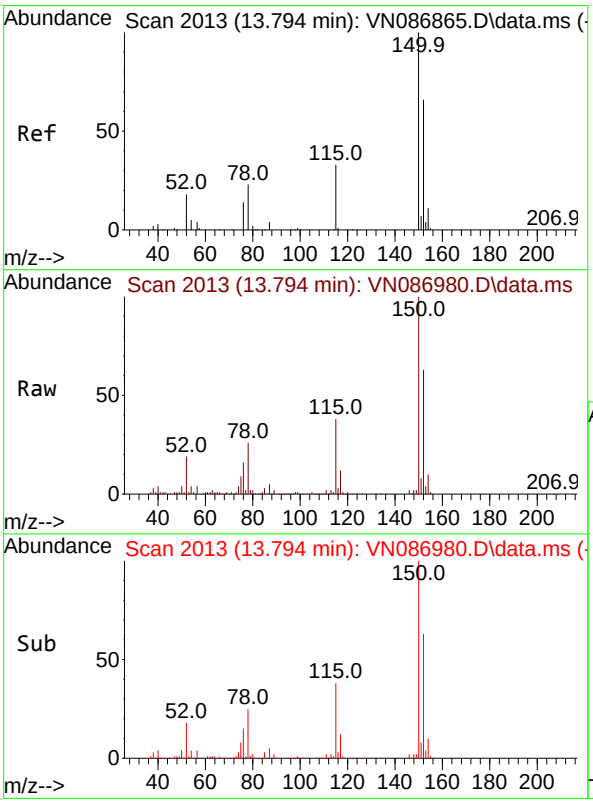
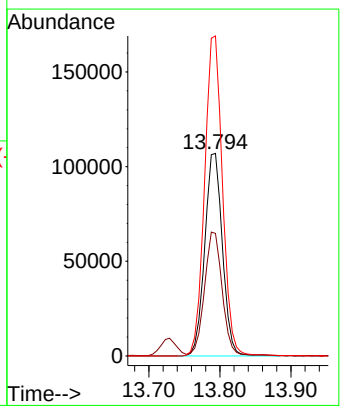


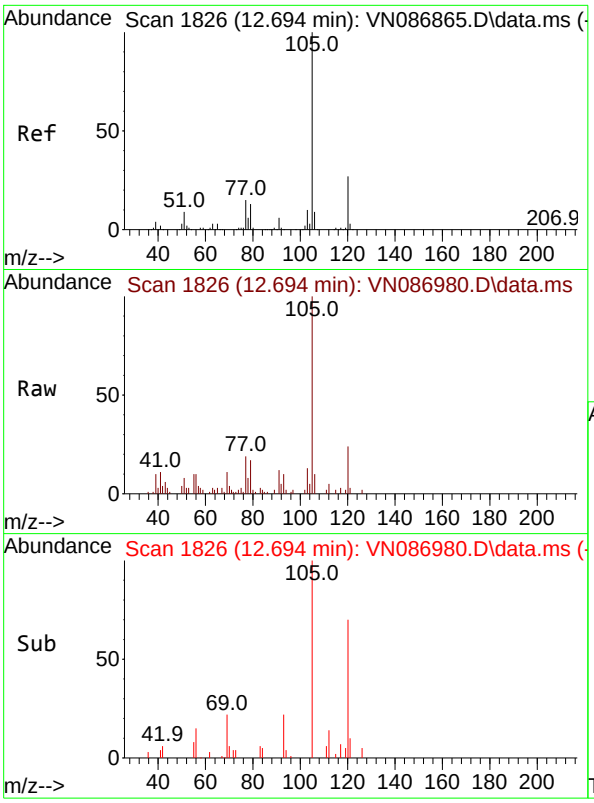


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086980.D
Acq: 12 Jun 2025 16:17

Tgt Ion:152 Resp: 185553

Ion	Ratio	Lower	Upper
152	100		
115	60.0	30.1	90.5
150	159.7	0.0	345.0





#73
Isopropylbenzene
Concen: 2.004 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086980.D
Acq: 12 Jun 2025 16:17

Tgt Ion:105 Resp: 2709

Ion	Ratio	Lower	Upper
105	100		
120	25.5	13.5	40.4

Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOA

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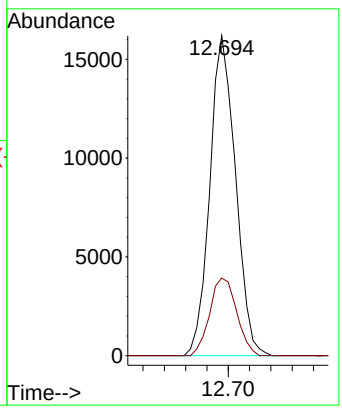
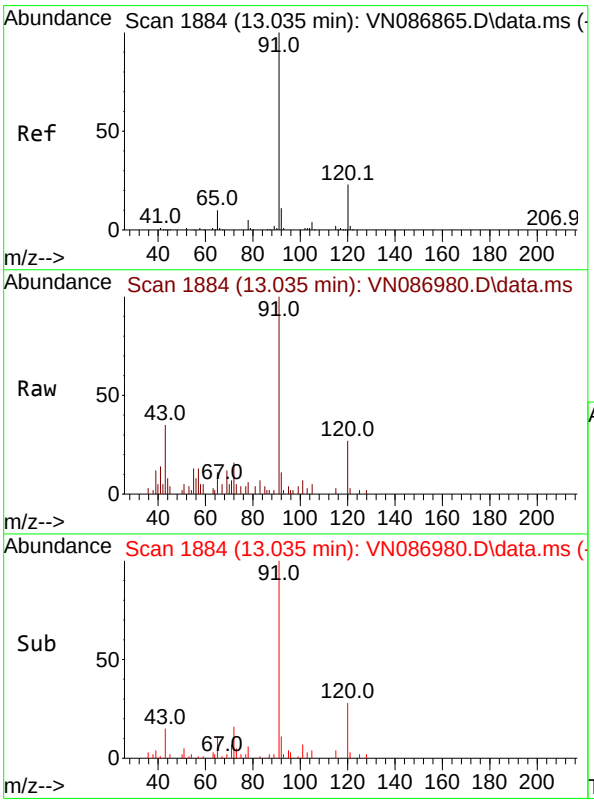
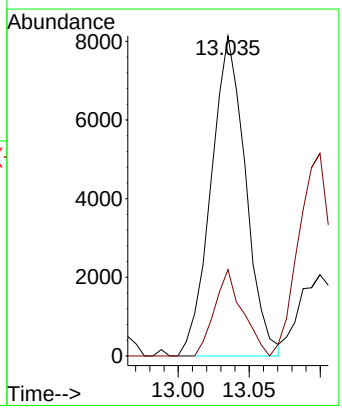


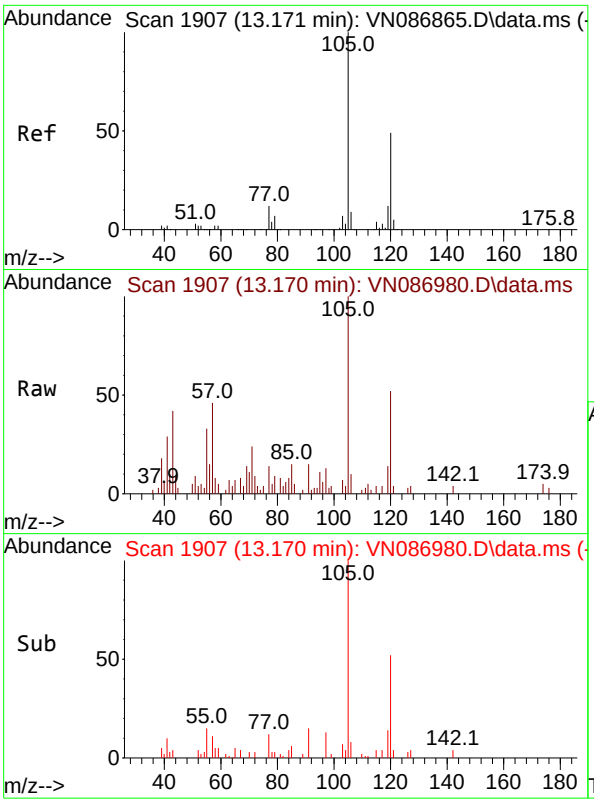


#78
n-propylbenzene
Concen: 0.837 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086980.D
Acq: 12 Jun 2025 16:17

Tgt Ion: 91 Resp: 13756

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.4	34.2





#80
1,3,5-Trimethylbenzene
Concen: 1.300 ug/l
RT: 13.170 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086980.D
Acq: 12 Jun 2025 16:17

Tgt Ion:105 Resp: 1451

Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.9	74.6

Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOA

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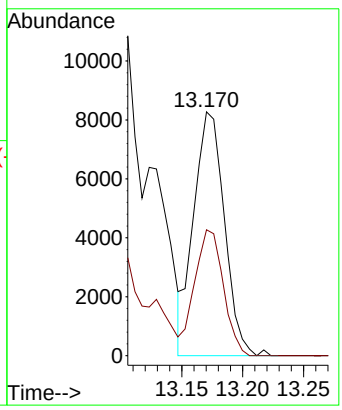
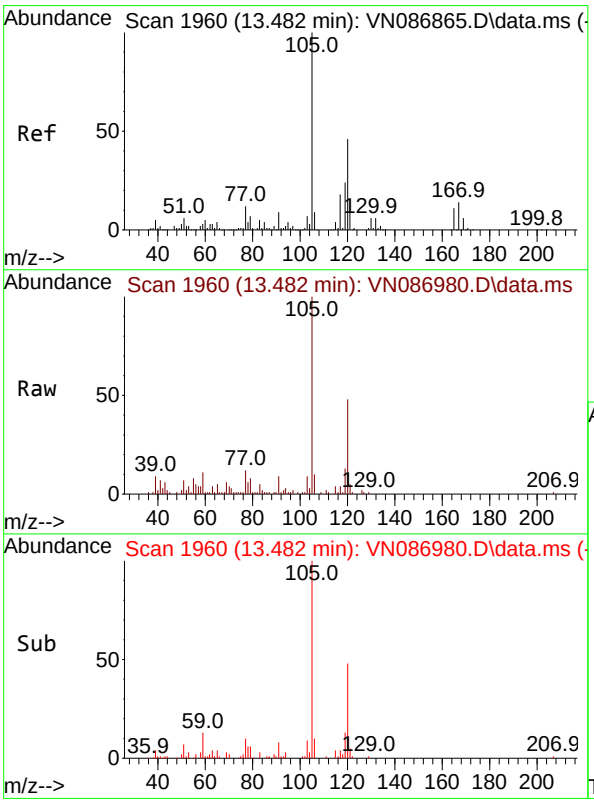
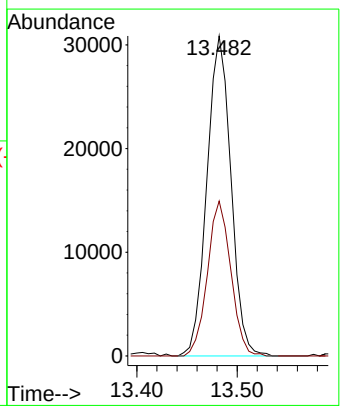


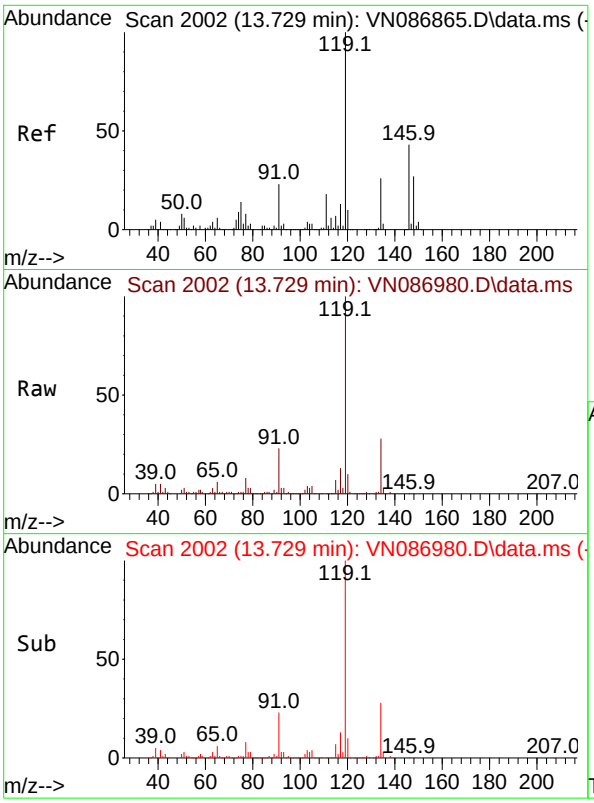


#84
1,2,4-Trimethylbenzene
Concen: 4.596 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086980.D
Acq: 12 Jun 2025 16:17

Tgt Ion:105 Resp: 51433

Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.2	69.6





#86
p-Isopropyltoluene
Concen: 16.558 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086980.D
Acq: 12 Jun 2025 16:17

Tgt Ion:119 Resp: 20306

Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.5	40.4
91	23.4	11.5	34.4

Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOA

Manual Integrations
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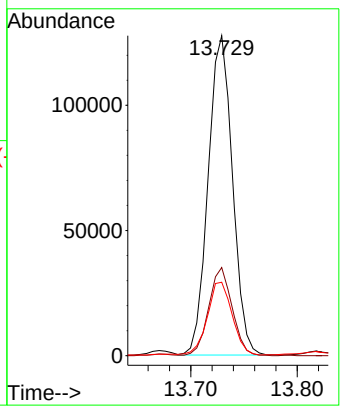
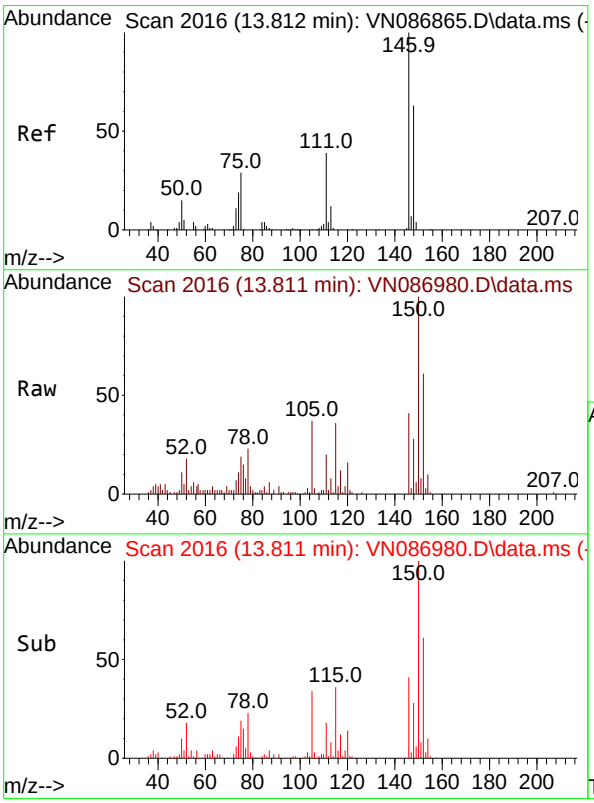
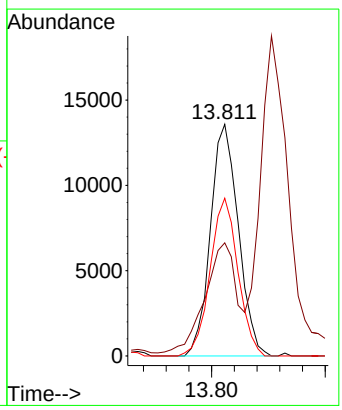


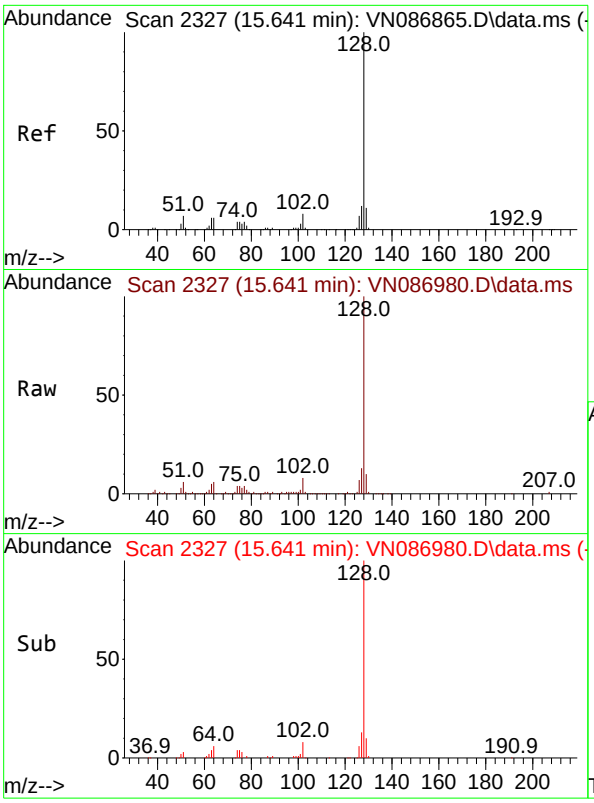


#88
1,4-Dichlorobenzene
Concen: 3.722 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086980.D
Acq: 12 Jun 2025 16:17

Tgt Ion:146 Resp: 23143

Ion	Ratio	Lower	Upper
146	100		
111	54.3	19.9	59.7
148	68.0	31.8	95.4

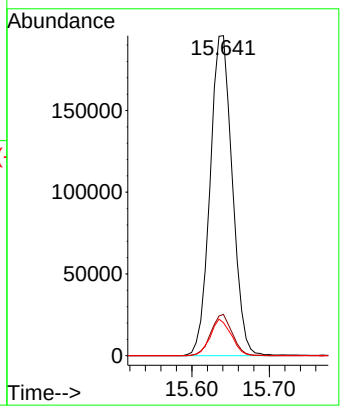




#95
Naphthalene
Concen: 28.046 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086980.D
Acq: 12 Jun 2025 16:17

Tgt Ion:128 Resp: 39062

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.2
129	10.8	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOA

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

Sample Results: **VN086980.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086980.D
Acq On : 12 Jun 2025 16:17
Operator : JC\MD
Sample : Q2302-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOA

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Title : SW846 8260

Signal : TIC: VN086980.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.059	13	18	43	rVB	249939	705246	7.11%	1.506%
2	2.324	57	63	75	rBV	115225	210958	2.13%	0.450%
3	2.877	150	157	172	rVB2	87656	209703	2.11%	0.448%
4	4.441	410	423	449	rBV	244815	831435	8.38%	1.775%
5	5.541	592	610	644	rBV	2587851	9547190	96.22%	20.384%
6	7.447	919	934	951	rBV	3233240	9921821	100.00%	21.184%
7	7.847	985	1002	1023	rBV	1359864	3637945	36.67%	7.767%
8	8.177	1048	1058	1062	rBV	168409	388718	3.92%	0.830%
9	8.229	1062	1067	1078	rVB	270413	630807	6.36%	1.347%
10	8.588	1112	1128	1137	rBV4	207956	802814	8.09%	1.714%
11	8.671	1137	1142	1153	rVB3	150072	357605	3.60%	0.764%
12	8.971	1184	1193	1205	rBV	85882	195555	1.97%	0.418%
13	9.106	1207	1216	1230	rVB	455608	933807	9.41%	1.994%
14	10.447	1433	1444	1457	rBV3	37619	109814	1.11%	0.234%
15	10.570	1457	1465	1471	rVV	728923	1367593	13.78%	2.920%
16	10.635	1471	1476	1488	rVV2	264093	646468	6.52%	1.380%
17	11.170	1559	1567	1581	rVV	292631	561095	5.66%	1.198%
18	11.865	1677	1685	1695	rVV	608320	1261571	12.72%	2.694%
19	11.965	1695	1702	1711	rVV	323040	595946	6.01%	1.272%
20	12.070	1711	1720	1740	rVB	242437	527778	5.32%	1.127%
21	12.400	1769	1776	1787	rVB	163303	299941	3.02%	0.640%
22	12.694	1819	1826	1833	rBV2	49838	103423	1.04%	0.221%
23	12.847	1845	1852	1862	rVB	481147	860436	8.67%	1.837%
24	13.482	1953	1960	1971	rBV	103986	217096	2.19%	0.464%
25	13.606	1976	1981	1987	rBV2	75471	120674	1.22%	0.258%
26	13.729	1996	2002	2007	rBV	325965	510110	5.14%	1.089%
27	13.794	2007	2013	2019	rVV	626484	1196787	12.06%	2.555%
28	13.853	2019	2023	2034	rVB	378236	655910	6.61%	1.400%
29	13.994	2042	2047	2061	rVB2	49014	117070	1.18%	0.250%
30	14.253	2085	2091	2095	rBV2	187300	358409	3.61%	0.765%
31	14.294	2095	2098	2113	rVV	203487	412476	4.16%	0.881%
32	14.453	2116	2125	2133	rVB7	59755	162173	1.63%	0.346%
33	14.670	2150	2162	2170	rBV	1156424	2129874	21.47%	4.547%
34	14.947	2203	2209	2215	rBV6	57061	117903	1.19%	0.252%
35	15.100	2229	2235	2243	rVV	198660	361731	3.65%	0.772%
36	15.282	2257	2266	2267	rBV3	163685	395989	3.99%	0.845%

Sample Results: **VN086980.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086980.D
Acq On : 12 Jun 2025 16:17
Operator : JC\MD
Sample : Q2302-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOA

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Title : SW846 8260

37	15.323	2267	2273	2278	rBV	1708231	3283254	33.09%	7.010%
38	15.517	2300	2306	2317	rBV	344022	725639	7.31%	1.549%
39	15.635	2320	2326	2334	rVB	387604	774422	7.81%	1.653%
40	16.005	2382	2389	2401	rVB	257209	590147	5.95%	1.260%

Sum of corrected areas: 46837333

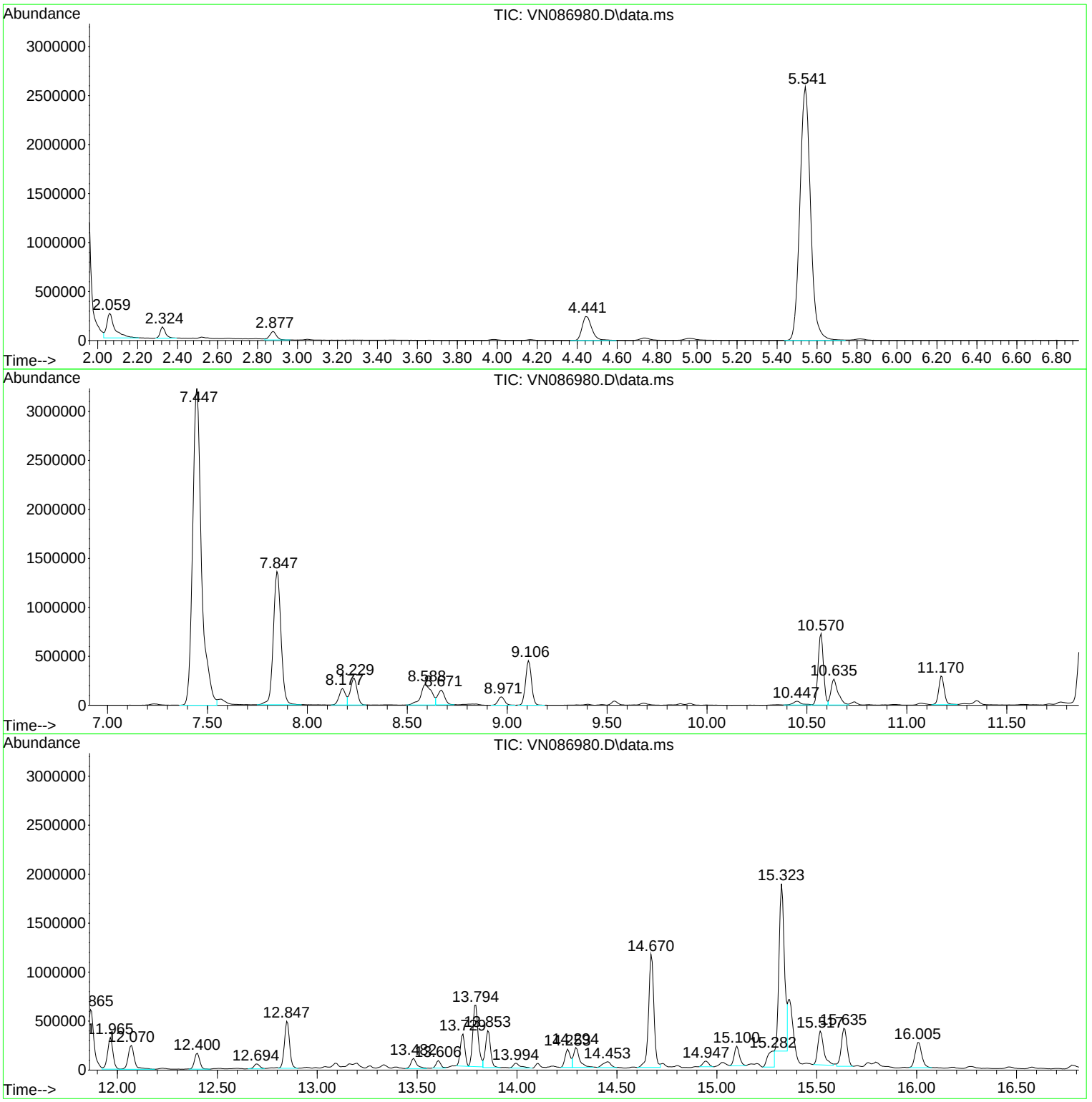
Sample Results: **VN086980.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086980.D
Acq On : 12 Jun 2025 16:17
Operator : JC\MD
Sample : Q2302-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086980.D
Acq On : 12 Jun 2025 16:17
Operator : JC\MD
Sample : Q2302-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

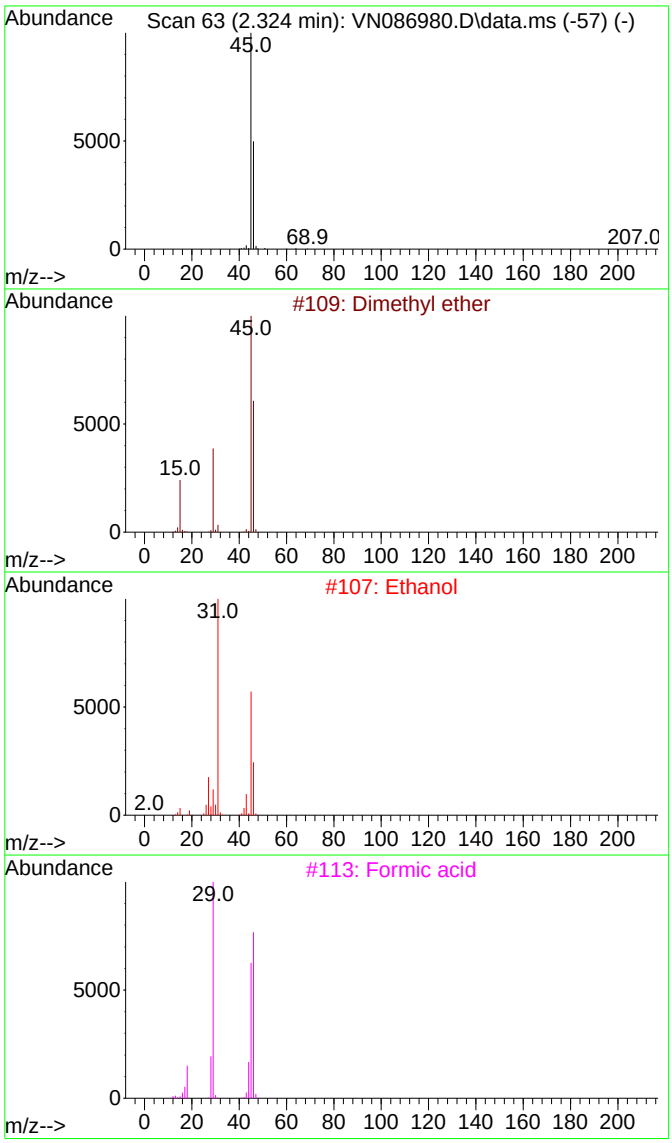
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

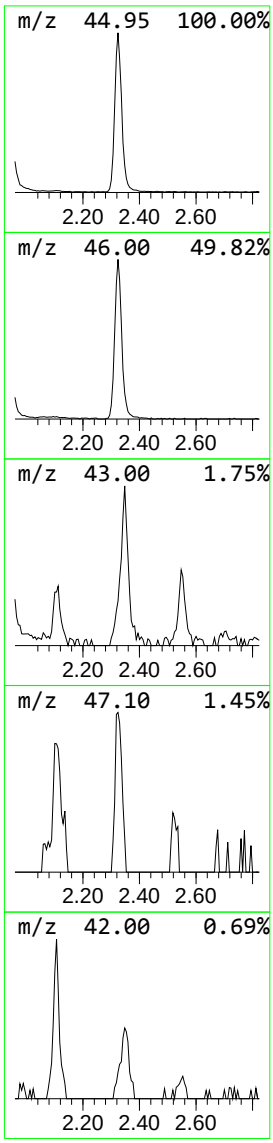
****

Peak Number 2 Dimethyl ether Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.324	16.72 ug/l	210958	Pentafluorobenzene	8.235

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl ether	46	C2H6O	000115-10-6	64
2	Ethanol	46	C2H6O	000064-17-5	7
3	Formic acid	46	CH2O2	000064-18-6	7
4	Oxalic acid	90	C2H2O4	000144-62-7	4
5	Methane, nitroso-	45	CH3NO	000865-40-7	3





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086980.D
Acq On : 12 Jun 2025 16:17
Operator : JC\MD
Sample : Q2302-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOA

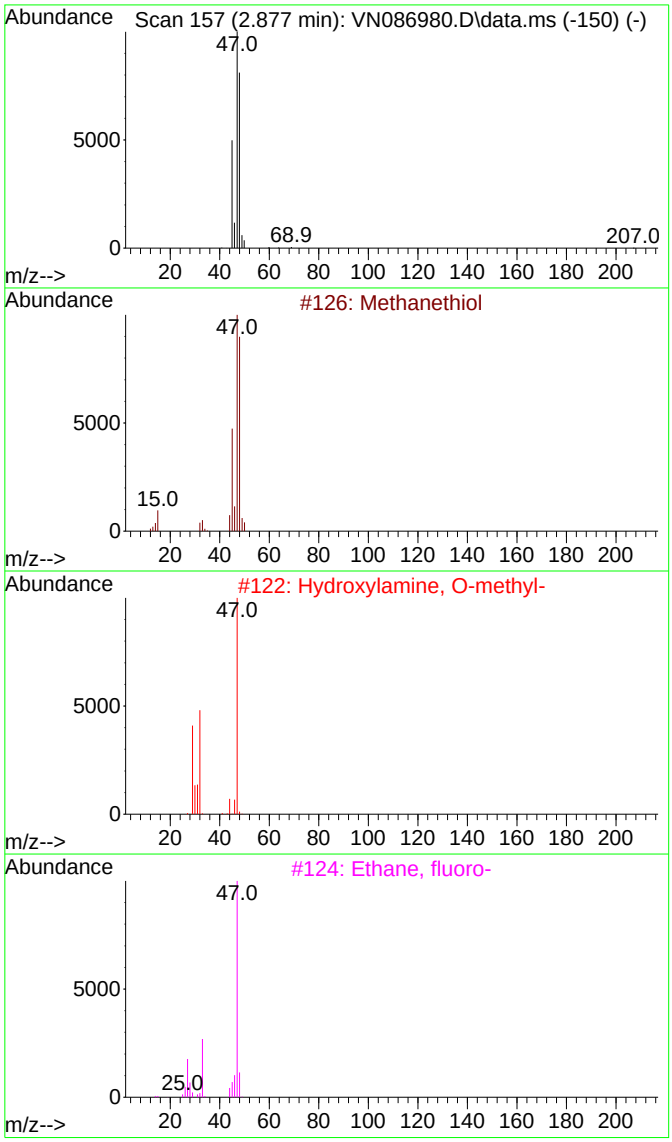
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

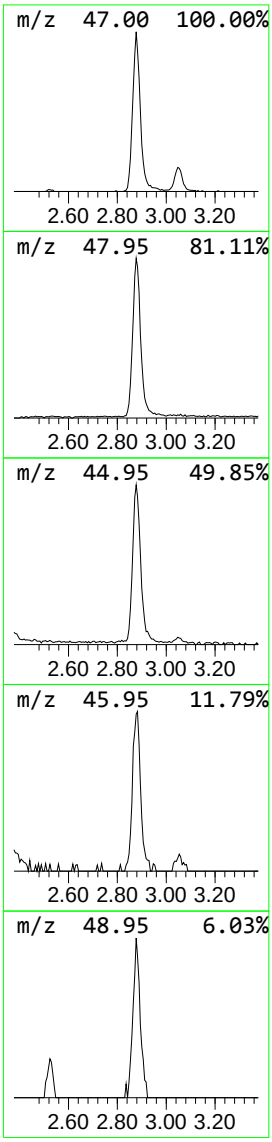
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Methanethiol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.877	16.62 ug/l	209703	Pentafluorobenzene	8.235

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methanethiol	48	CH4S	000074-93-1	90
2	Hydroxylamine, O-methyl-	47	CH5NO	000067-62-9	4
3	Ethane, fluoro-	48	C2H5F	000353-36-6	4
4	Methane, nitroso-	45	CH3NO	000865-40-7	4
5	Tetraborane(10)	54	B4H10	018283-93-7	2





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086980.D
Acq On : 12 Jun 2025 16:17
Operator : JC\MD
Sample : Q2302-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

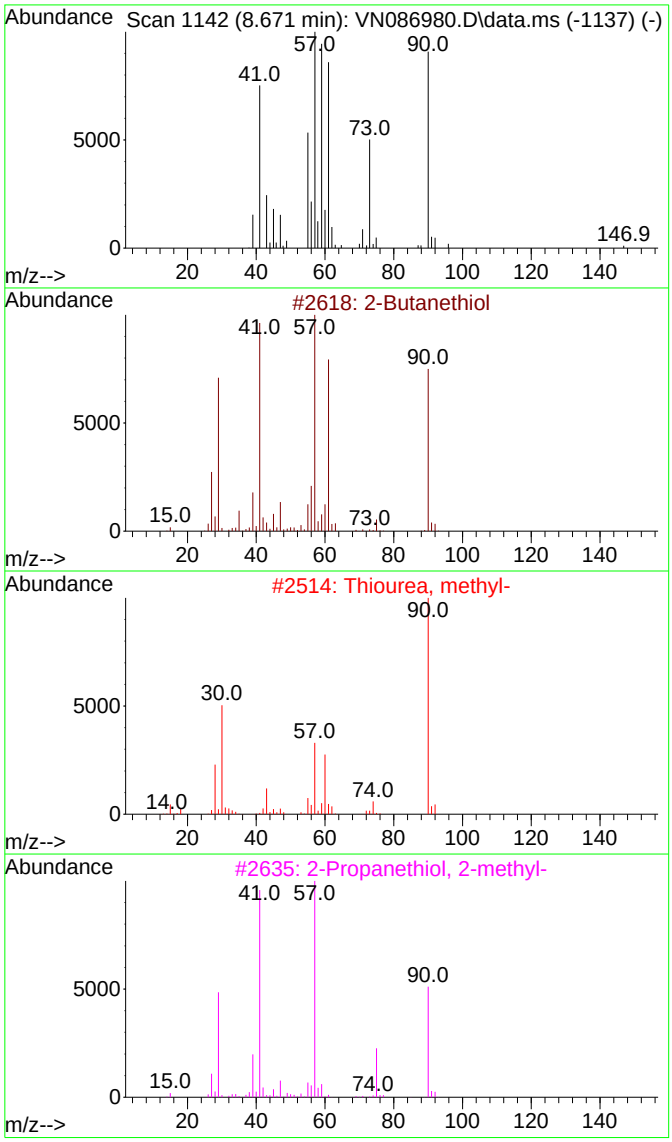
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

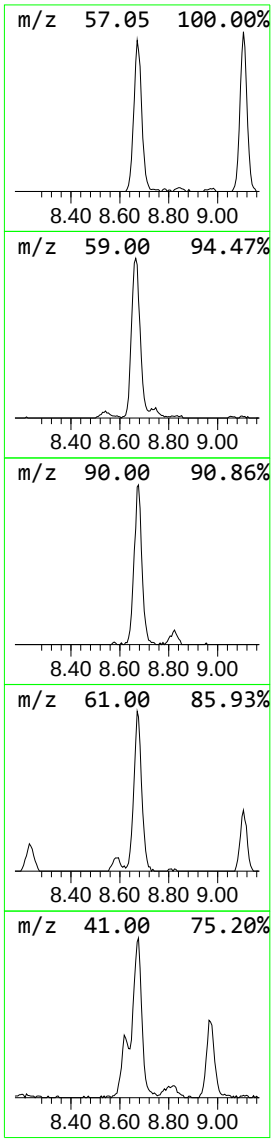
****

Peak Number 4 2-Butanethiol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.671	19.15 ug/l	357605	1,4-Difluorobenzene	9.106

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanethiol	90	C4H10S	000513-53-1	76
2	Thiourea, methyl-	90	C2H6N2S	000598-52-7	43
3	2-Propanethiol, 2-methyl-	90	C4H10S	000075-66-1	38
4	Bicyclo[4.1.0]hepta-1,3,5-triene	90	C7H6	004646-69-9	38
5	2,3-Dimercaptopropan-1-ol	124	C3H8OS2	000059-52-9	36





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086980.D
Acq On : 12 Jun 2025 16:17
Operator : JC\MD
Sample : Q2302-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOA

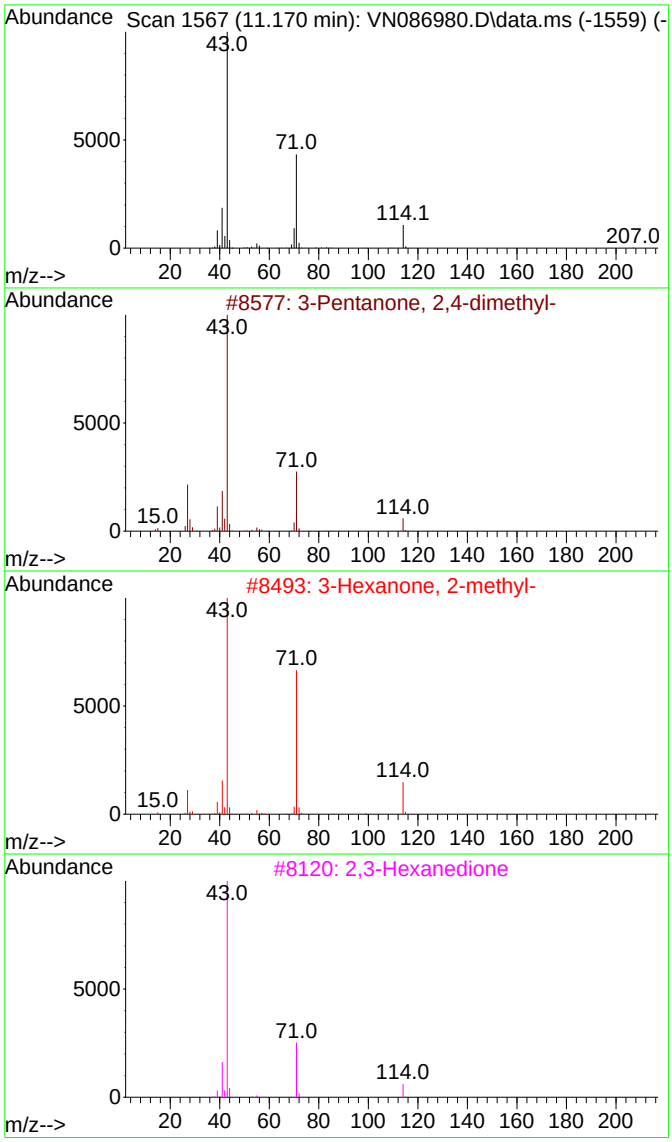
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

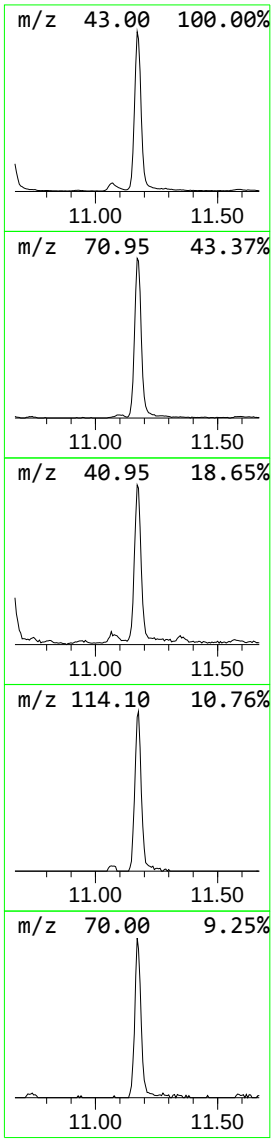
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 3-Pentanone, 2,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.171	22.24 ug/l	561095	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	86
2	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	72
3	2,3-Hexanedione	114	C6H10O2	003848-24-6	72
4	4-Heptanone	114	C7H14O	000123-19-3	53
5	Pyrrolidine	71	C4H9N	000123-75-1	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086980.D
Acq On : 12 Jun 2025 16:17
Operator : JC\MD
Sample : Q2302-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

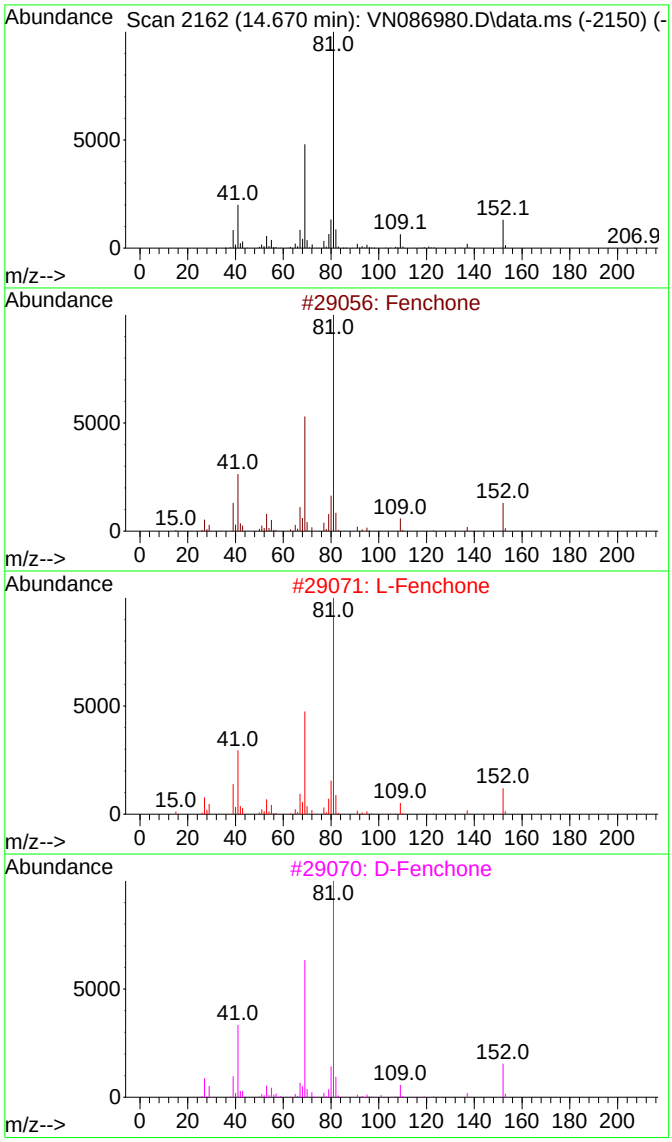
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

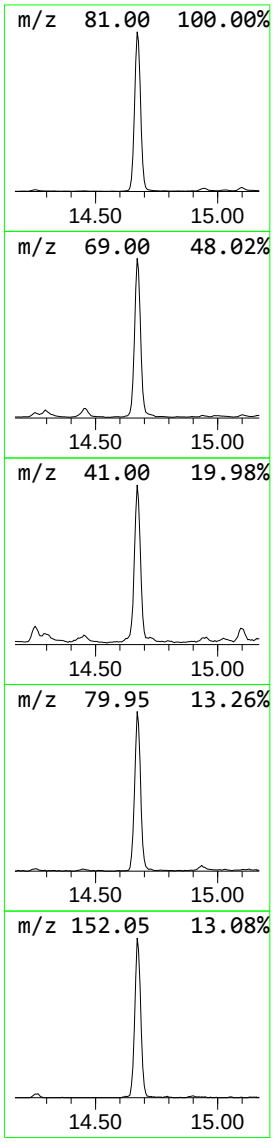
****

Peak Number 7 Fenchone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.670	88.98 ug/l	2129870	1,4-Dichlorobenzene-d4	13.794

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fenchone	152	C10H16O	001195-79-5	95
2	L-Fenchone	152	C10H16O	007787-20-4	94
3	D-Fenchone	152	C10H16O	004695-62-9	94
4	2-Cycloocten-1-one	124	C8H12O	001728-25-2	64
5	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086980.D
Acq On : 12 Jun 2025 16:17
Operator : JC\MD
Sample : Q2302-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

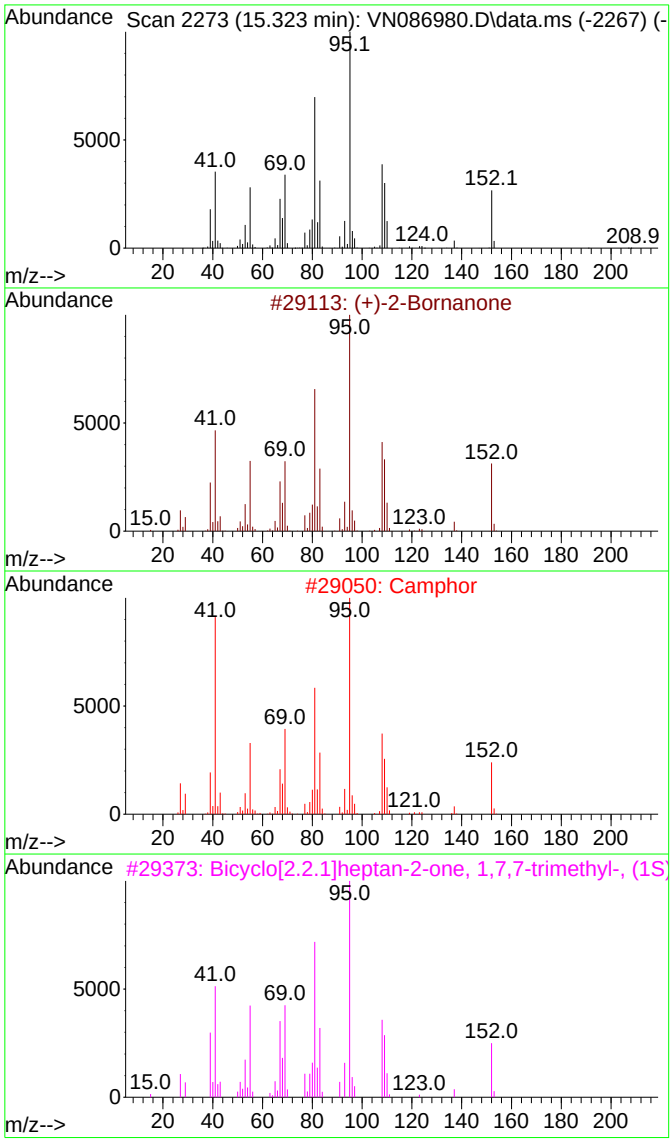
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

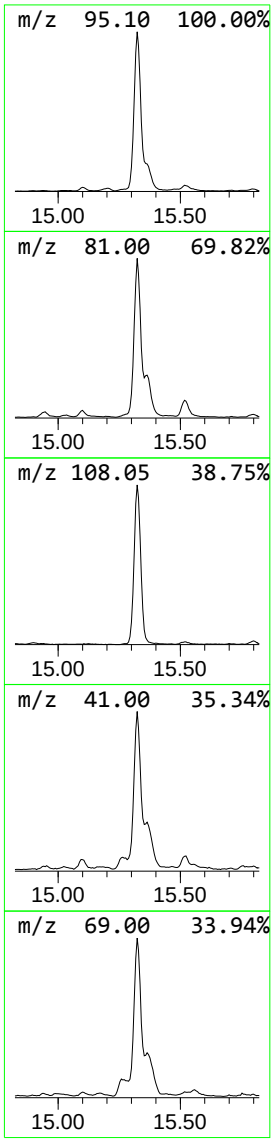
****

Peak Number 8 (+)-2-Bornanone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.323	137.17 ug/l	3283250	1,4-Dichlorobenzene-d4	13.794

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(+)-2-Bornanone	152	C10H16O	000464-49-3	98
2	Camphor	152	C10H16O	000076-22-2	98
3	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	96
4	2-Butanone, 4-(5-methyl-2-furanyl)-	152	C9H12O2	013679-56-6	43
5	1-Adamantanol	152	C10H16O	000768-95-6	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086980.D
Acq On : 12 Jun 2025 16:17
Operator : JC\MD
Sample : Q2302-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOA

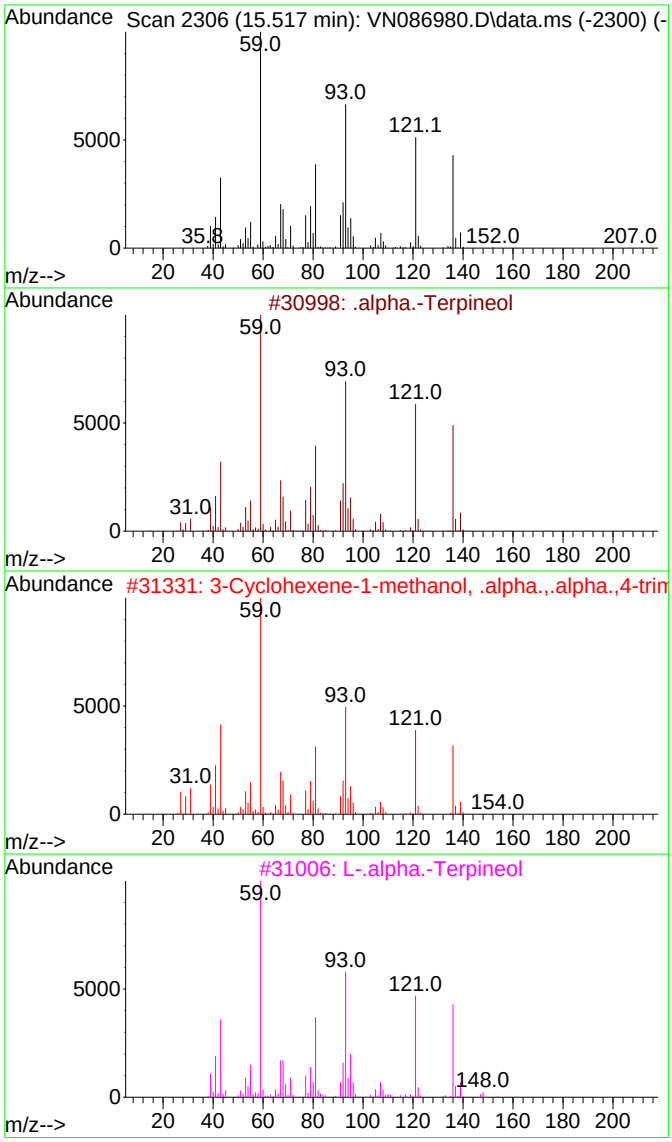
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

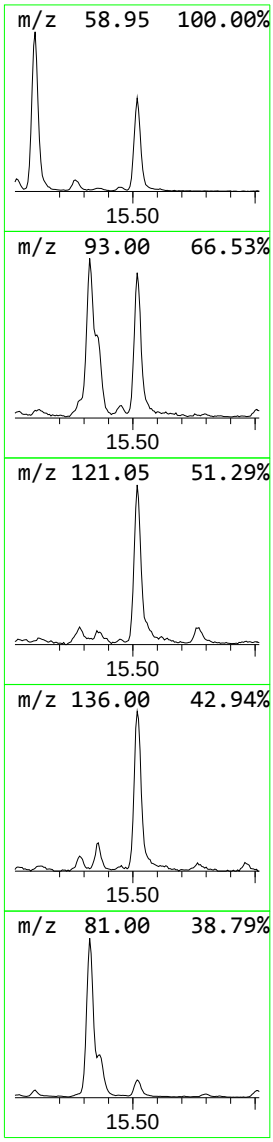
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 .alpha.-Terpineol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.517	30.32 ug/l	725639	1,4-Dichlorobenzene-d4	13.794

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Terpineol	154	C10H18O	000098-55-5	91
2	3-Cyclohexene-1-methanol, .alpha...	154	C10H18O	007785-53-7	91
3	L-.alpha.-Terpineol	154	C10H18O	010482-56-1	64
4	1,3-Cyclohexadiene, 1-methyl-4-(...	136	C10H16	000099-86-5	50
5	Cyclohexane, 1-methylene-4-(1-me...	136	C10H16	000499-97-8	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086980.D
Acq On : 12 Jun 2025 16:17
Operator : JC\MD
Sample : Q2302-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

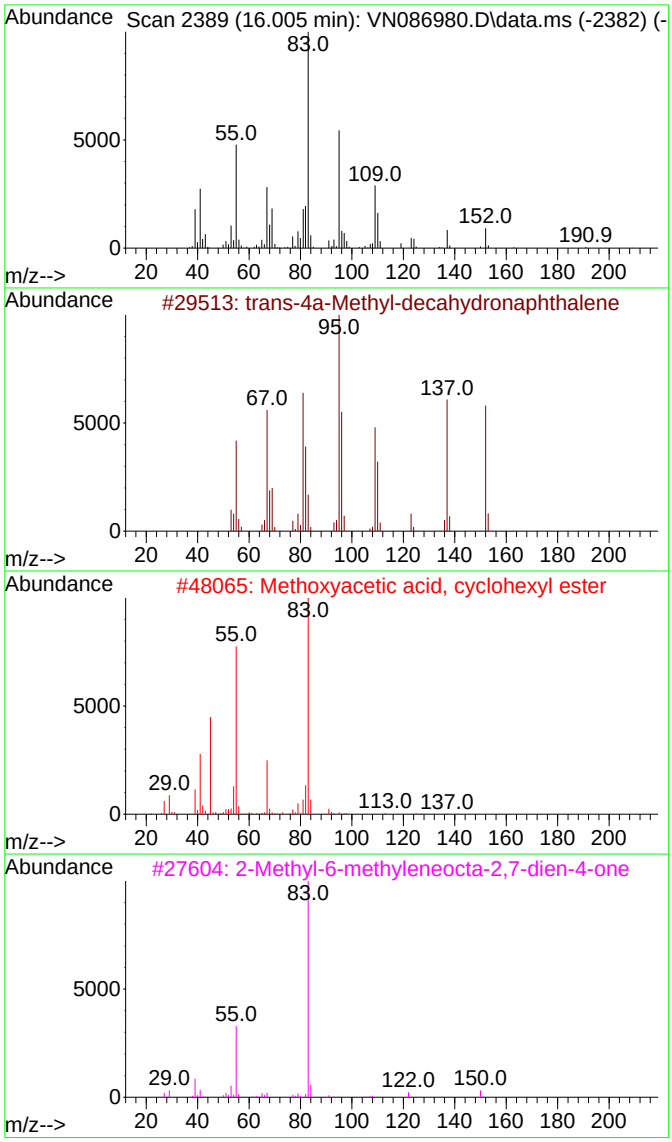
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

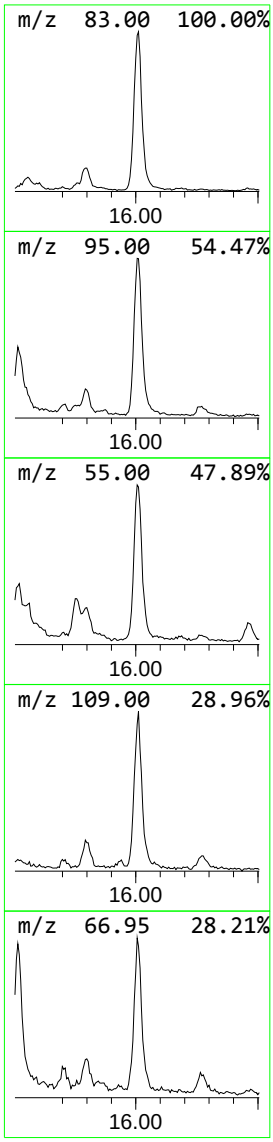
****

Peak Number 10 unknown16.005 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.005	24.66 ug/l	590147	1,4-Dichlorobenzene-d4	13.794

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	46
2	Methoxyacetic acid, cyclohexyl e...	172	C9H16O3	1000282-69-4	38
3	2-Methyl-6-methyleneocta-2,7-die...	150	C10H14O	000539-70-8	30
4	Cyclohexane, azido-	125	C6H11N3	019573-22-9	30
5	Cyclopentane, 1,2-dimethyl-3-met...	110	C8H14	091884-67-2	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086980.D
Acq On : 12 Jun 2025 16:17
Operator : JC\MD
Sample : Q2302-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Dimethyl ether	2.324	16.7	ug/l	210958	1	8.235	630807	50.0
Methanethiol	2.877	16.6	ug/l	209703	1	8.235	630807	50.0
2-Butanethiol	8.671	19.1	ug/l	357605	2	9.106	933807	50.0
3-Pentanone, 2,...	11.171	22.2	ug/l	561095	3	11.865	1261570	50.0
Fenchone	14.670	89.0	ug/l	2129870	4	13.794	1196790	50.0
(+)-2-Bornanone	15.323	137.2	ug/l	3283250	4	13.794	1196790	50.0
.alpha.-Terpineol	15.517	30.3	ug/l	725639	4	13.794	1196790	50.0
unknown16.005	16.005	24.7	ug/l	590147	4	13.794	1196790	50.0

Raw Data: **VN087014.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	06/11/25
Project:	Waste Water 2025	Date Received:	06/12/25
Client Sample ID:	250611078-02-VOARE	SDG No.:	Q2302
Lab Sample ID:	Q2302-01RE	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087014.D	1		06/13/25 19:51	VN061325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	UQ	0.23	1.00	ug/L
67-64-1	Acetone	300		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	3.70	Q	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	3.00		0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	250		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	5.80		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	7.80		0.68	5.00	ug/L
108-88-3	Toluene	17.0		0.14	1.00	ug/L

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	06/11/25
Project:	Waste Water 2025	Date Received:	06/12/25
Client Sample ID:	250611078-02-VOARE	SDG No.:	Q2302
Lab Sample ID:	Q2302-01RE	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087014.D	1		06/13/25 19:51	VN061325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	3.30		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	17.8		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	17.0		0.24	2.00	ug/L
95-47-6	o-Xylene	9.40	Q	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	UQ	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	2.30		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	4.20		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.0		74 - 125	110%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	53.0		86 - 113	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.5		77 - 121	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	195000	8.23			
540-36-3	1,4-Difluorobenzene	391000	9.106			
3114-55-4	Chlorobenzene-d5	359000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	172000	13.788			

Raw Data: **VN087014.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	06/11/25
Project:	Waste Water 2025	Date Received:	06/12/25
Client Sample ID:	250611078-02-VOARE	SDG No.:	Q2302
Lab Sample ID:	Q2302-01RE	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087014.D	1		06/13/25 19:51	VN061325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087014.D
Acq On : 13 Jun 2025 19:51
Operator : JC\MD
Sample : Q2302-01RE
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOARE

Manual Integrations APPROVED

Reviewed By :John Carlone

06/16/2025
Supervised By :Mahesh Dadoda

Quant Time: Jun 14 00:35:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	194559	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	391285	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	359346	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	172357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	143349	55.030	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.060%			
35) Dibromofluoromethane	8.177	113	117876	50.834	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.660%			
50) Toluene-d8	10.571	98	486367	52.983	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.960%			
62) 4-Bromofluorobenzene	12.847	95	178943	52.468	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.940%			
Target Compounds						Qvalue
8) Diethyl Ether	3.989	74	6195	4.211	ug/l	98
11) Tert butyl alcohol	5.536	59	5696001	8058.605	ug/l	99
16) Acetone	4.442	43	412948	298.931	ug/l	98
17) Carbon Disulfide	4.742	76	21971	3.668	ug/l	99
19) Methyl tert-butyl Ether	5.818	73	23767	3.031	ug/l	96
25) 2-Butanone	7.494	43	550634m	245.222	ug/l	
29) Tetrahydrofuran	7.847	42	1077967	736.946	ug/l	95
40) Benzene	8.612	78	66077	5.848	ug/l	100
51) 4-Methyl-2-Pentanone	10.453	43	33325	7.841	ug/l	87
52) Toluene	10.629	92	117077	16.955	ug/l	99
65) Chlorobenzene	11.894	112	26534	3.348	ug/l	99
67) Ethyl Benzene	11.965	91	242492	17.763	ug/l	100
68) m/p-Xylenes	12.065	106	88981	17.027	ug/l	98
69) o-Xylene	12.400	106	46826	9.356	ug/l	99
73) Isopropylbenzene	12.694	105	29376	2.340	ug/l	97
78) n-propylbenzene	13.035	91	13690	0.897	ug/l	96
80) 1,3,5-Trimethylbenzene	13.170	105	15371	1.483	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	57257	5.508	ug/l	100
86) p-Isopropyltoluene	13.729	119	207851	18.246	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	24483	4.239	ug/l	92
95) Naphthalene	15.641	128	387562	29.956	ug/l	100

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087014.D
Acq On : 13 Jun 2025 19:51
Operator : JC\MD
Sample : Q2302-01RE
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 14 00:35:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

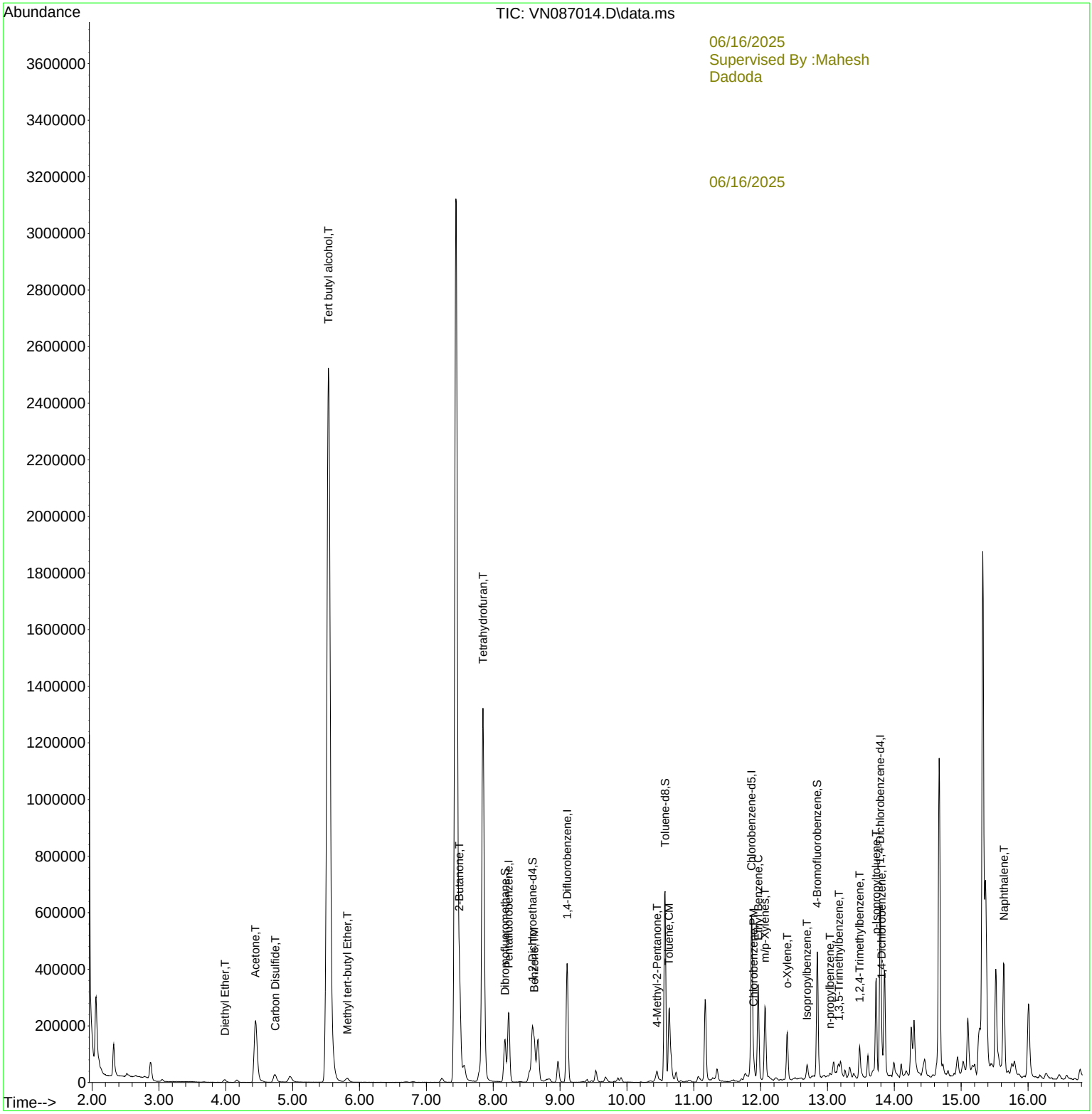
Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOARE

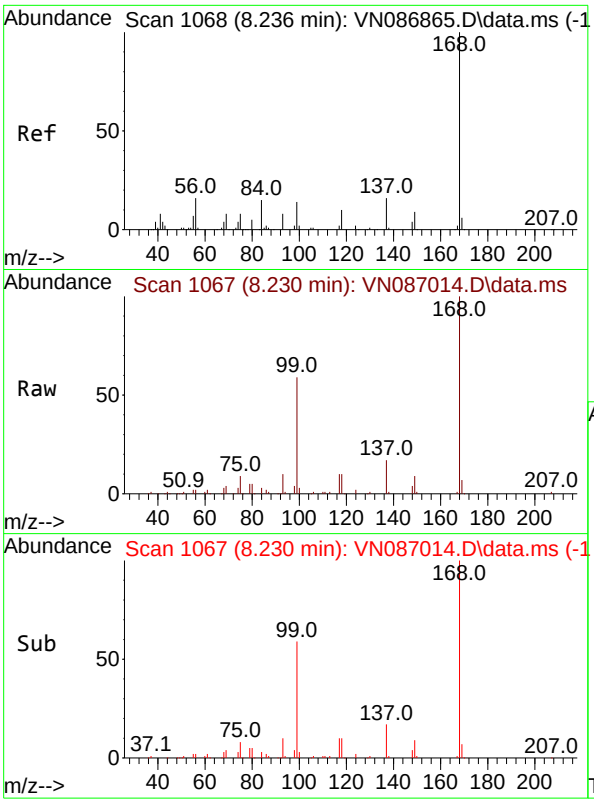
Manual Integrations APPROVED

Reviewed By :John Carlone

06/16/2025
Supervised By :Mahesh Dadoda

06/16/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087014.D
Acq: 13 Jun 2025 19:51

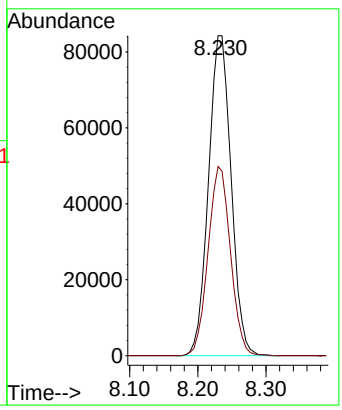
Tgt Ion:168 Resp: 19455

Ion	Ratio	Lower	Upper
168	100		
99	59.1	49.1	73.7

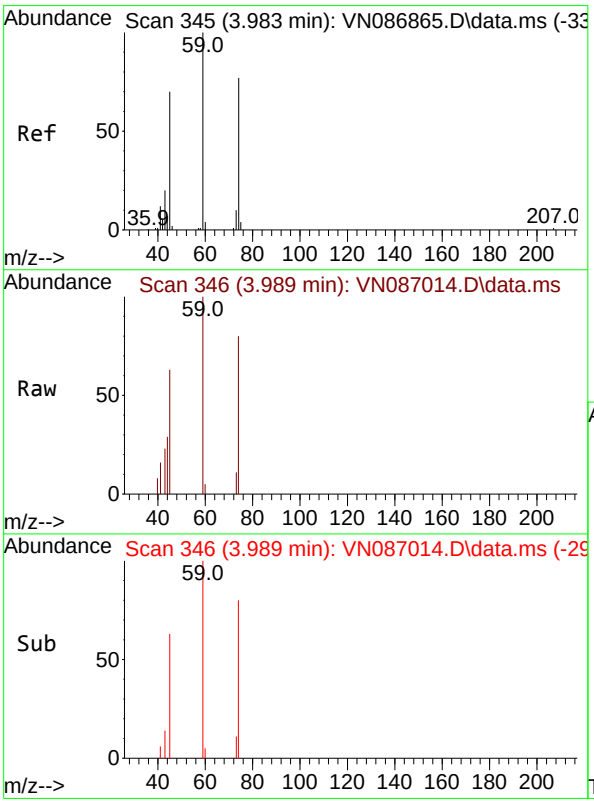
Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOARE

Manual Integrations
APPROVED

Reviewed By :John
Carlone



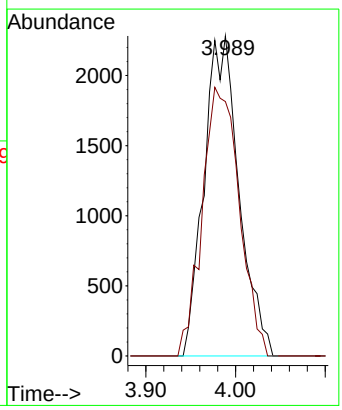
06/16/2025
Supervised By :Mahesh
Dadoda



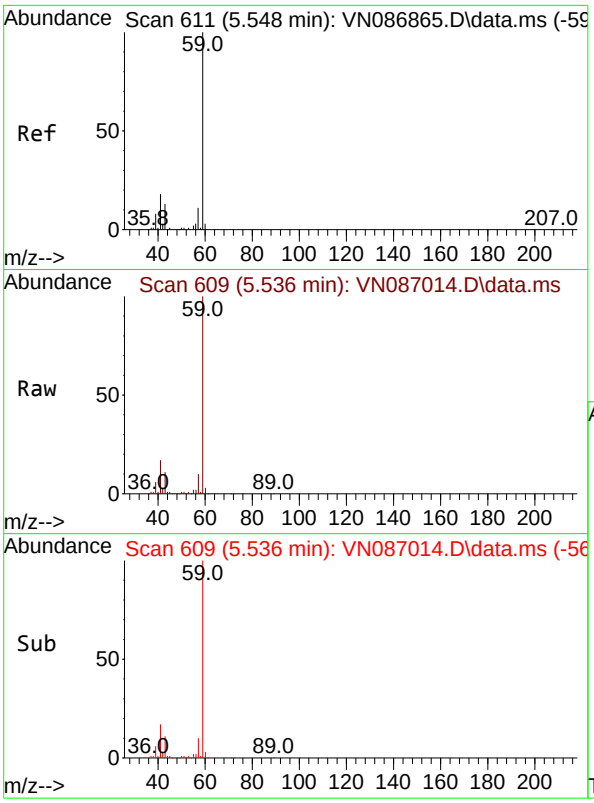
#8
Diethyl Ether
Concen: 4.211 ug/l
RT: 3.989 min Scan# 346
Delta R.T. 0.006 min
Lab File: VN087014.D
Acq: 13 Jun 2025 19:51

Tgt Ion: 74 Resp: 6195

Ion	Ratio	Lower	Upper
74	100		
45	88.7	45.5	136.5



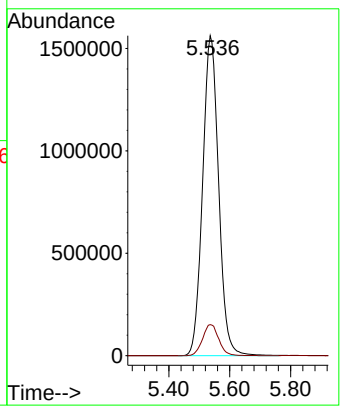
06/16/2025



#11
Tert butyl alcohol
Concen: 8058.605 ug/l
RT: 5.536 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN087014.D
Acq: 13 Jun 2025 19:51

Tgt Ion: 59 Resp: 569600

Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.1	12.1



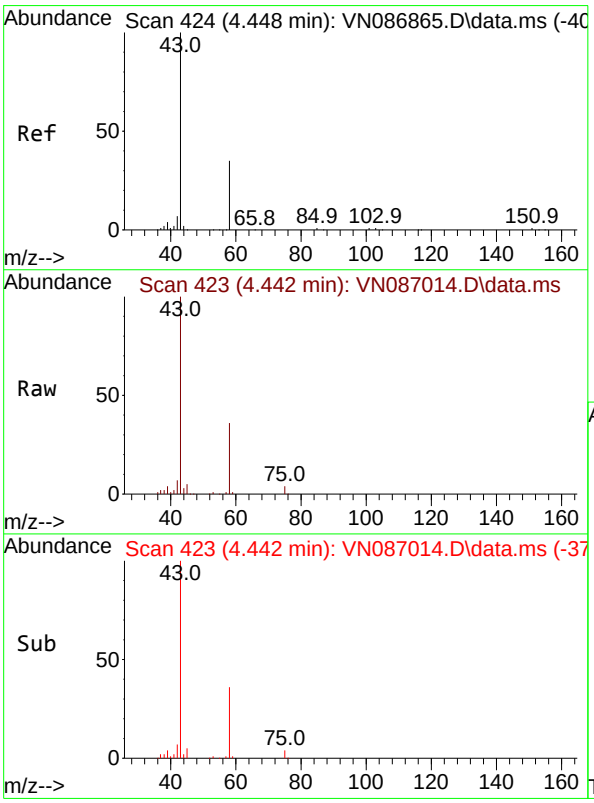
Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOARE

Manual Integrations
APPROVED

Reviewed By :John
Carlone

06/16/2025
Supervised By :Mahesh
Dadoda

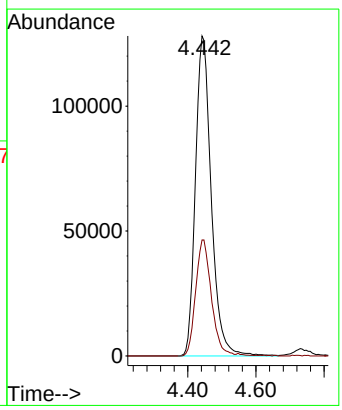
06/16/2025

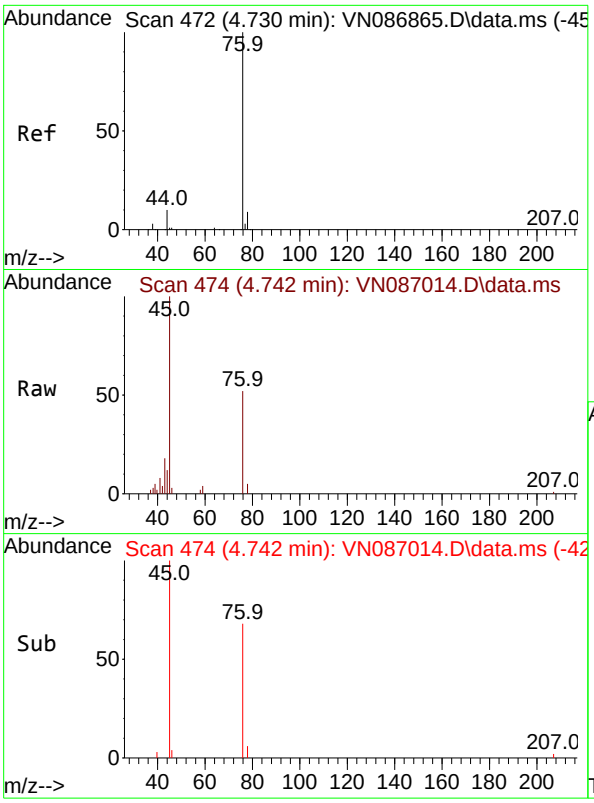


#16
Acetone
Concen: 298.931 ug/l
RT: 4.442 min Scan# 423
Delta R.T. -0.006 min
Lab File: VN087014.D
Acq: 13 Jun 2025 19:51

Tgt Ion: 43 Resp: 412948

Ion	Ratio	Lower	Upper
43	100		
58	36.2	28.0	42.0





#17
Carbon Disulfide
Concen: 3.668 ug/l
RT: 4.742 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN087014.D
Acq: 13 Jun 2025 19:51

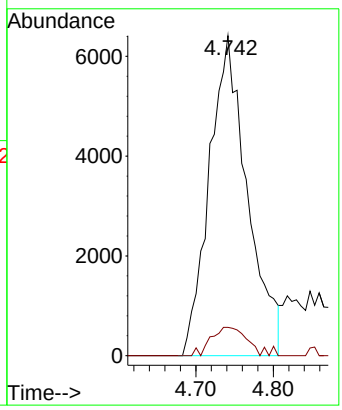
Tgt Ion: 76 Resp: 2197

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9

Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOARE

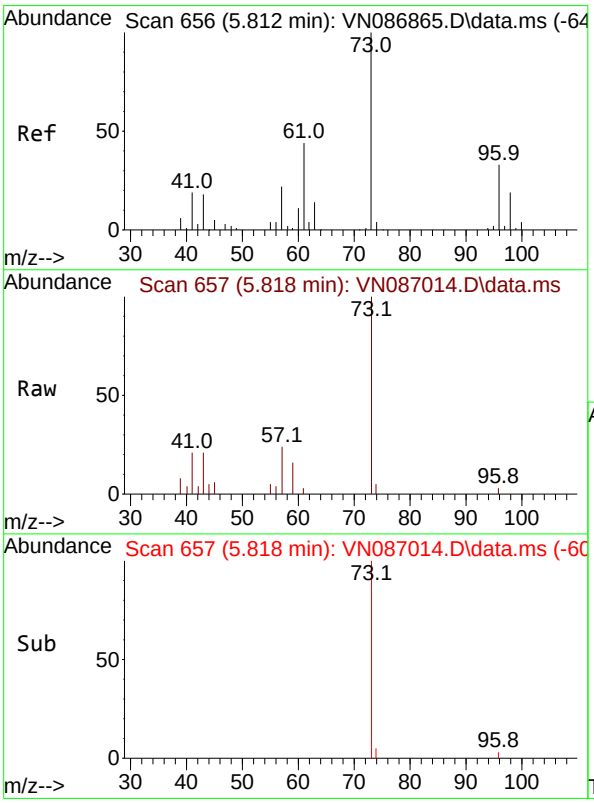
Manual Integrations
APPROVED

Reviewed By :John
Carlone



06/16/2025
Supervised By :Mahesh
Dadoda

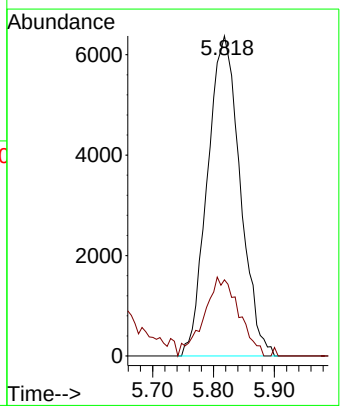
06/16/2025

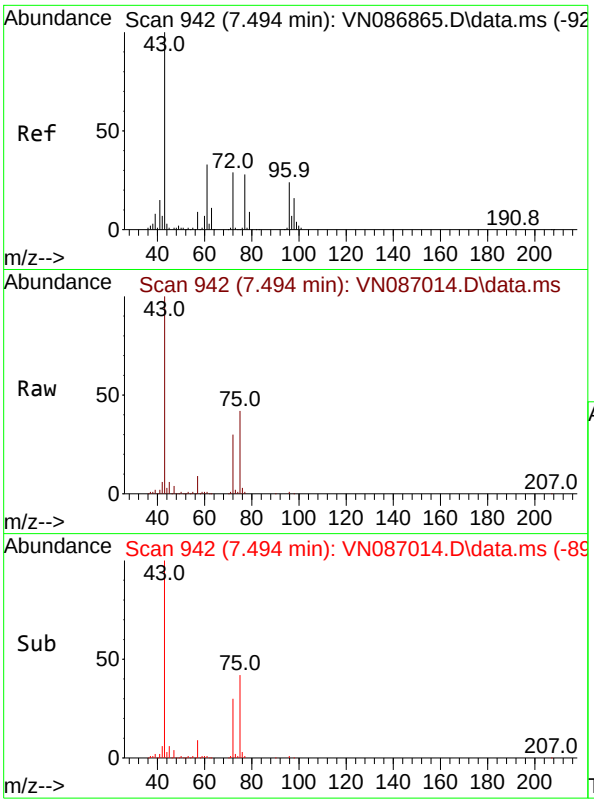


#19
Methyl tert-butyl Ether
Concen: 3.031 ug/l
RT: 5.818 min Scan# 657
Delta R.T. 0.006 min
Lab File: VN087014.D
Acq: 13 Jun 2025 19:51

Tgt Ion: 73 Resp: 23767

Ion	Ratio	Lower	Upper
73	100		
57	23.8	17.4	26.2





#25
2-Butanone
Concen: 245.222 ug/l m
RT: 7.494 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN087014.D
Acq: 13 Jun 2025 19:51

Tgt Ion: 43 Resp: 55063

Ion	Ratio	Lower	Upper
43	100		
72	30.3	23.0	34.6

Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOARE

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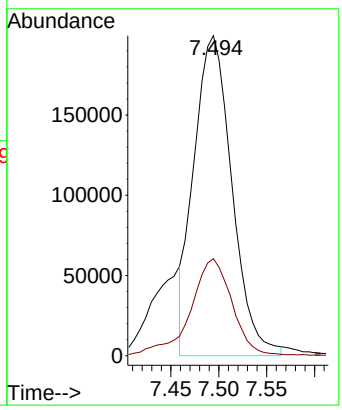

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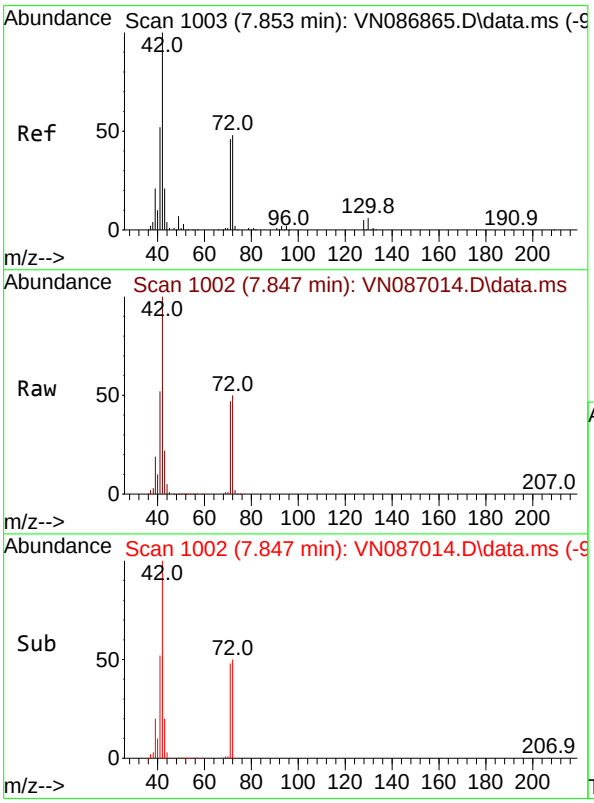
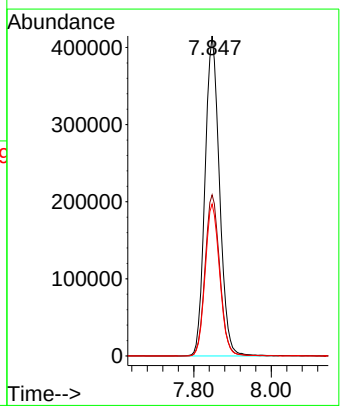
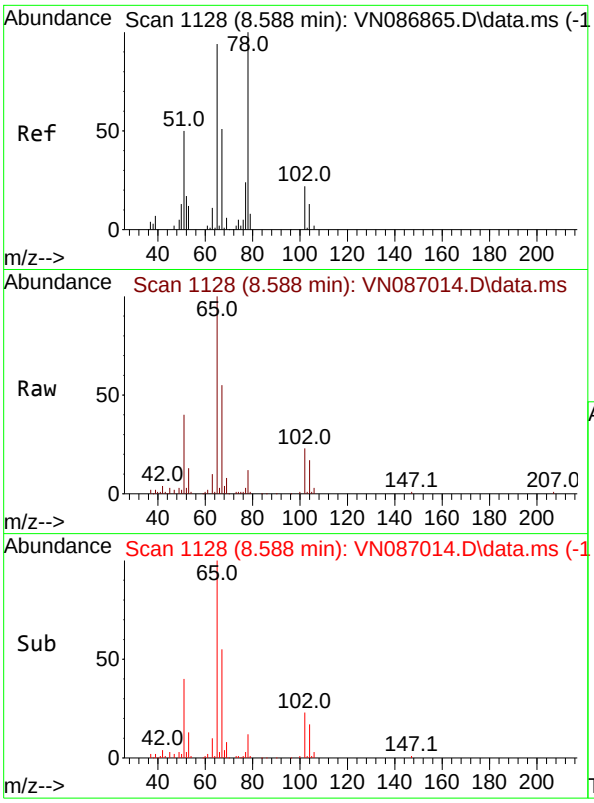


#29
Tetrahydrofuran
Concen: 736.946 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VN087014.D
Acq: 13 Jun 2025 19:51

Tgt Ion: 42 Resp: 1077967

Ion	Ratio	Lower	Upper
42	100		
72	50.9	37.8	56.6
71	47.6	35.6	53.4

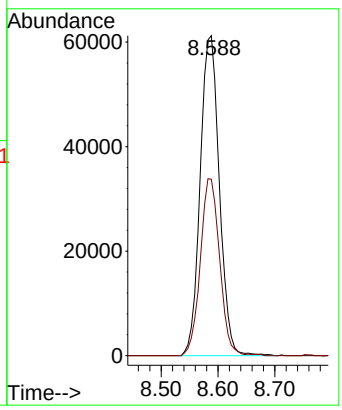




#33
1,2-Dichloroethane-d4
Concen: 55.030 ug/l
RT: 8.588 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087014.D
Acq: 13 Jun 2025 19:51

Tgt Ion: 65 Resp: 14334

Ion	Ratio	Lower	Upper
65	100		
67	55.7	0.0	105.6



Instrument :
MSVOA_N
ClientSampleId :
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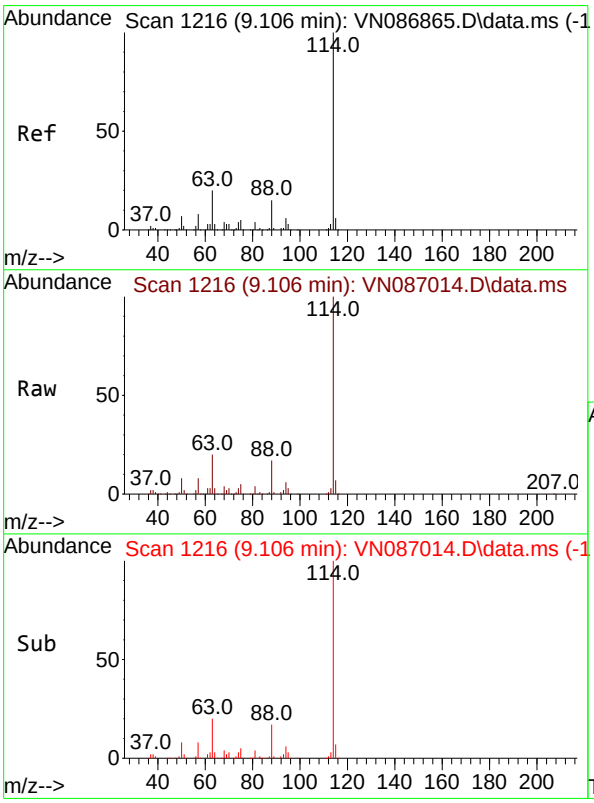
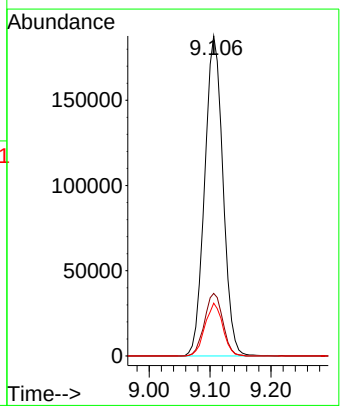
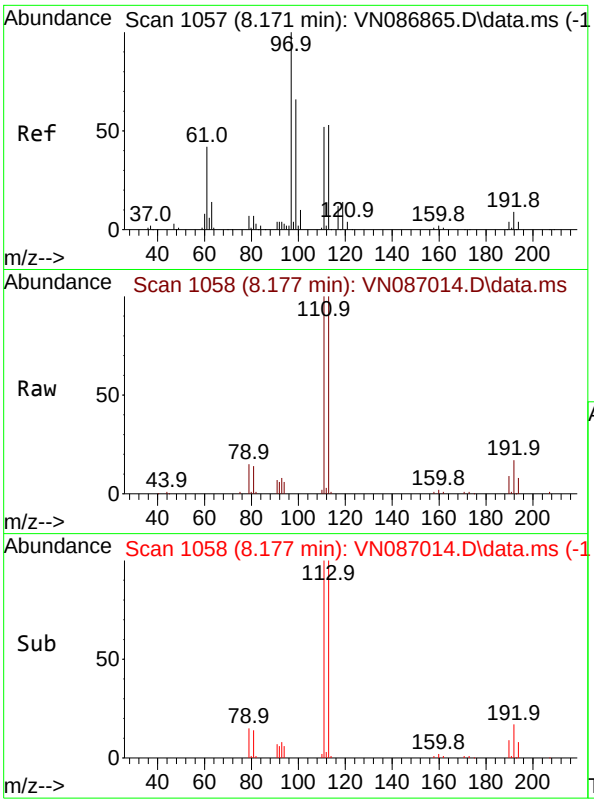


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN087014.D
Acq: 13 Jun 2025 19:51

Tgt Ion:114 Resp: 391285

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	39.6
88	16.5	0.0	30.2

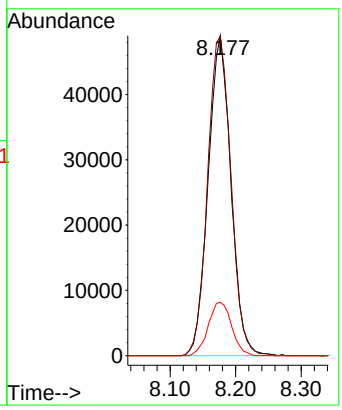




#35
Dibromofluoromethane
Concen: 50.834 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087014.D
Acq: 13 Jun 2025 19:51

Tgt Ion:113 Resp: 11787

Ion	Ratio	Lower	Upper
113	100		
111	102.6	84.2	126.2
192	17.1	14.2	21.4



Instrument :
MSVOA_N
ClientSampleId :
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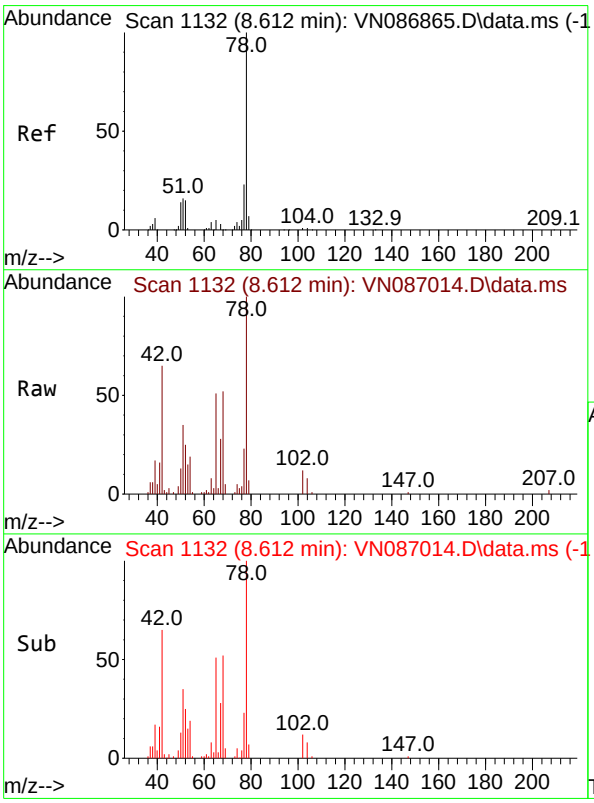
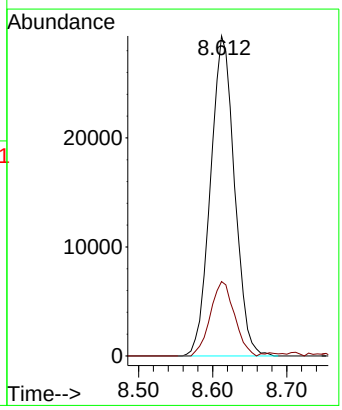
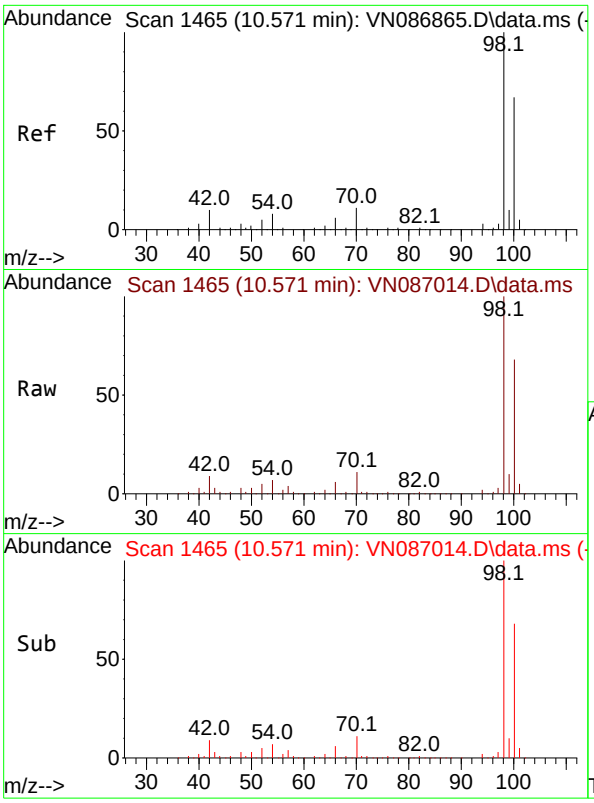


#40
Benzene
Concen: 5.848 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN087014.D
Acq: 13 Jun 2025 19:51

Tgt Ion: 78 Resp: 66077

Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.7	28.1





#50
Toluene-d8
Concen: 52.983 ug/l
RT: 10.571 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087014.D
Acq: 13 Jun 2025 19:51

Tgt Ion: 98 Resp: 48636

Ion	Ratio	Lower	Upper
98	100		
100	67.7	53.4	80.0

Instrument :
MSVOA_N
ClientSampleId :
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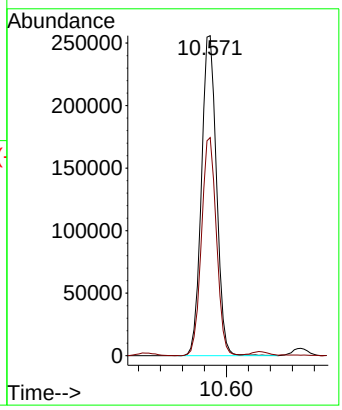

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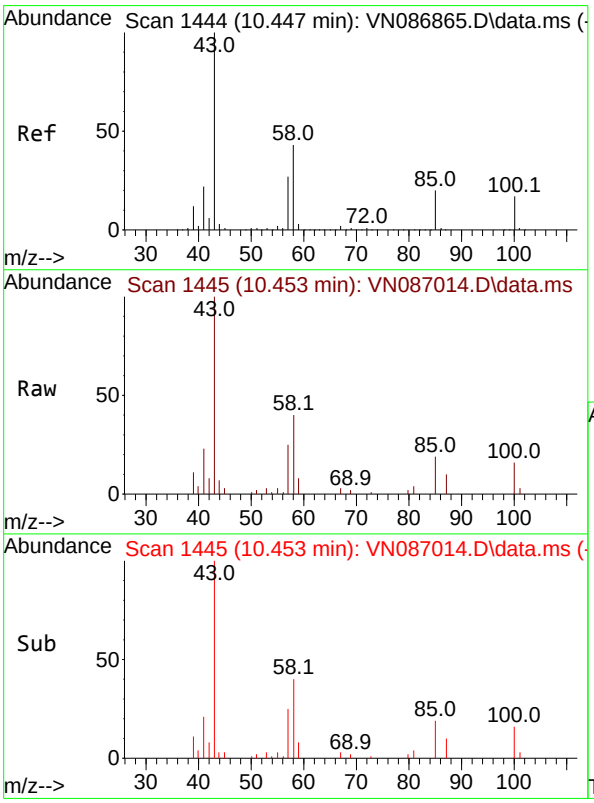
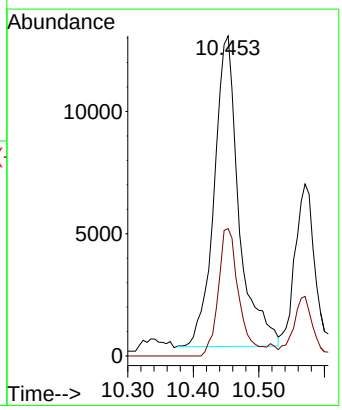
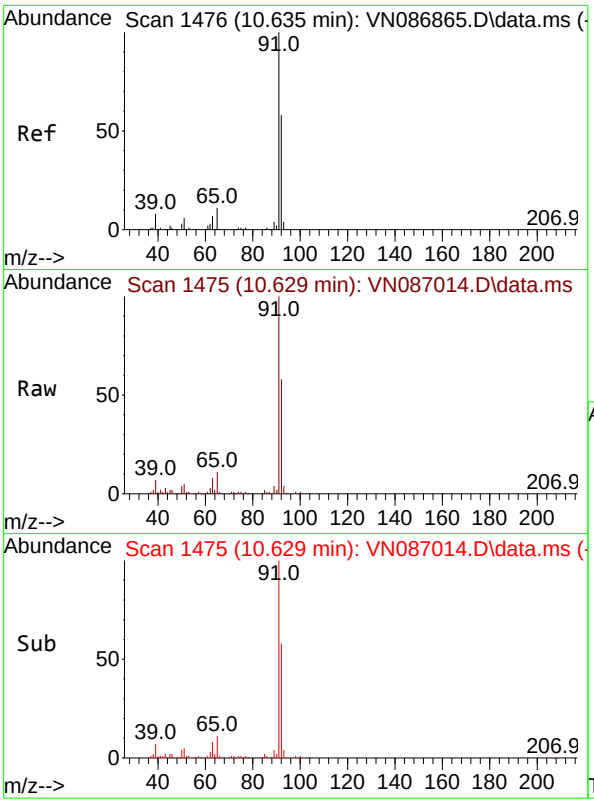


#51
4-Methyl-2-Pentanone
Concen: 7.841 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN087014.D
Acq: 13 Jun 2025 19:51

Tgt Ion: 43 Resp: 33325

Ion	Ratio	Lower	Upper
43	100		
58	34.3	34.2	51.4





#52
Toluene
Concen: 16.955 ug/l
RT: 10.629 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN087014.D
Acq: 13 Jun 2025 19:51

Tgt Ion: 92 Resp: 11707

Ion	Ratio	Lower	Upper
92	100		
91	169.6	136.5	204.7

Instrument :
MSVOA_N
ClientSampleId :
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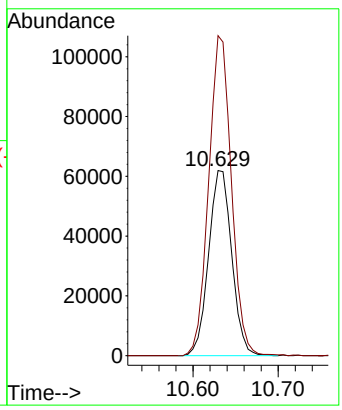

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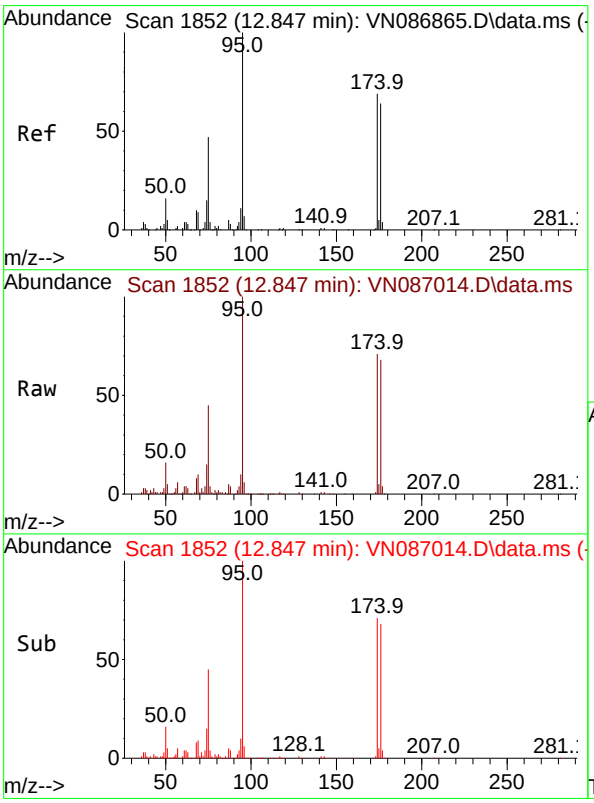
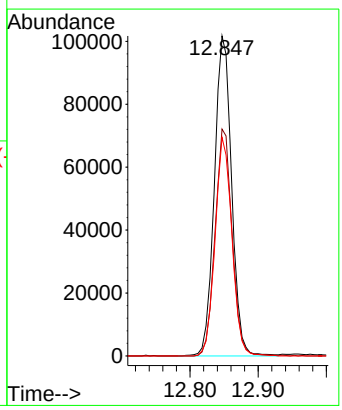
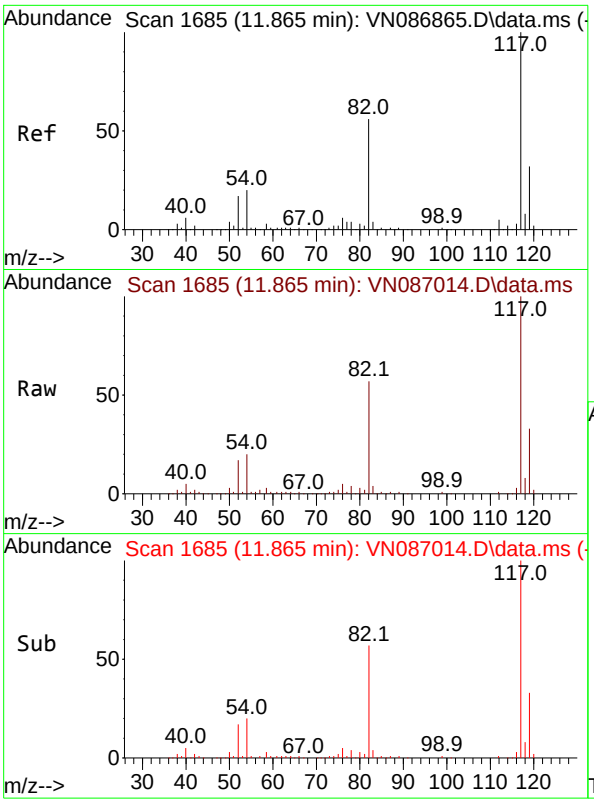


#62
4-Bromofluorobenzene
Concen: 52.468 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087014.D
Acq: 13 Jun 2025 19:51

Tgt Ion: 95 Resp: 178943

Ion	Ratio	Lower	Upper
95	100		
174	70.3	0.0	141.8
176	66.8	0.0	132.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087014.D
Acq: 13 Jun 2025 19:51

Tgt Ion:117 Resp: 35934

Ion	Ratio	Lower	Upper
117	100		
82	57.5	44.6	67.0
119	32.7	25.5	38.3

Instrument :
MSVOA_N
ClientSampleId :
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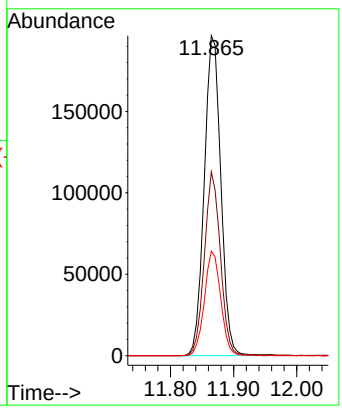

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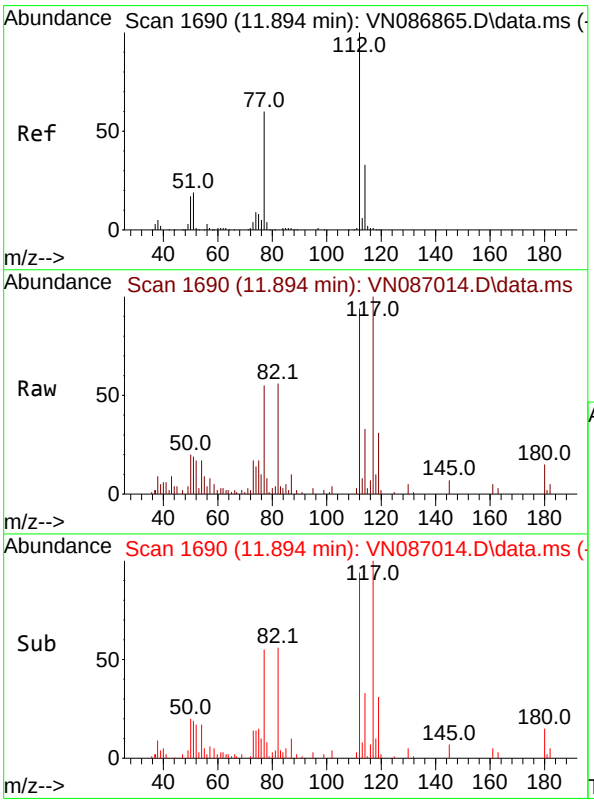
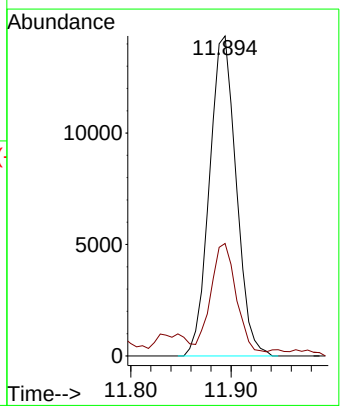
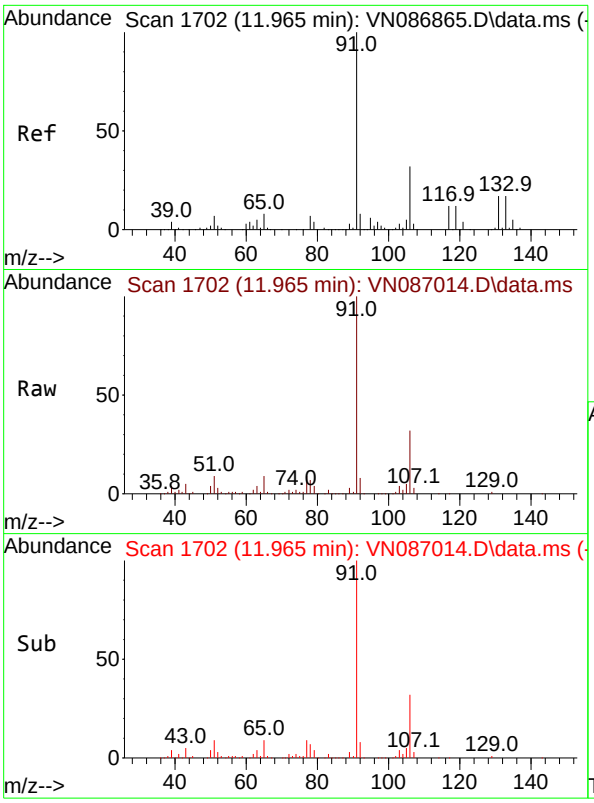


#65
Chlorobenzene
Concen: 3.348 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. -0.000 min
Lab File: VN087014.D
Acq: 13 Jun 2025 19:51

Tgt Ion:112 Resp: 26534

Ion	Ratio	Lower	Upper
112	100		
114	33.2	26.2	39.2





#67
Ethyl Benzene
Concen: 17.763 ug/l
RT: 11.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087014.D
Acq: 13 Jun 2025 19:51

Tgt Ion: 91 Resp: 24249

Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.4	38.2

Instrument :
MSVOA_N
ClientSampleId :
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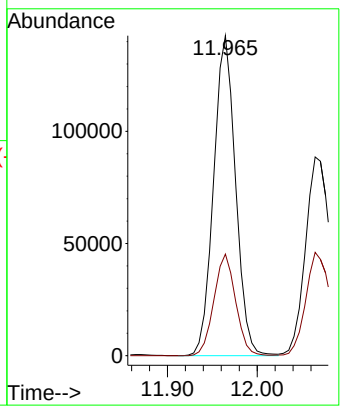

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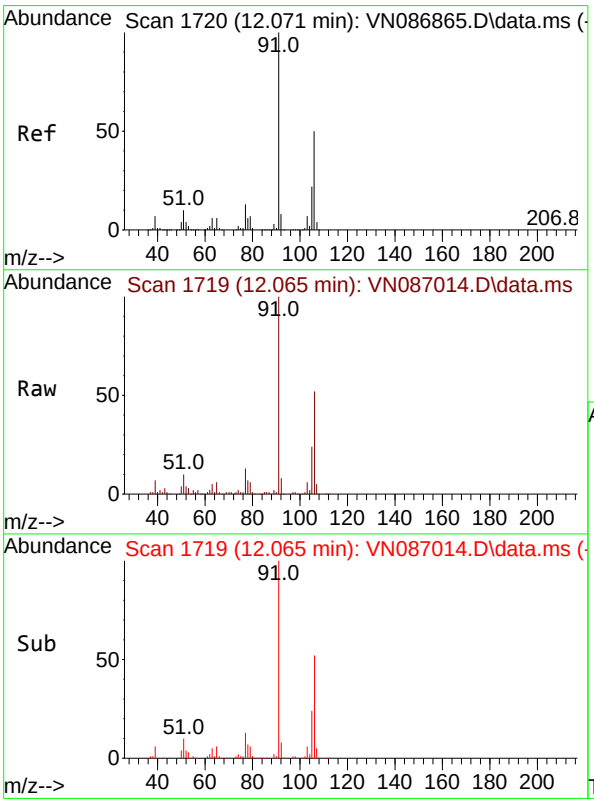
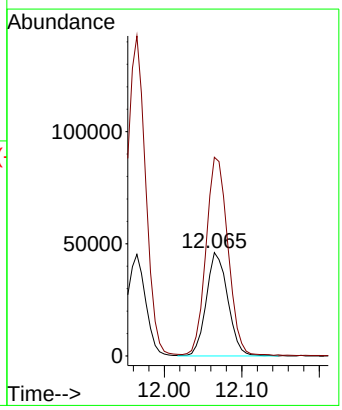
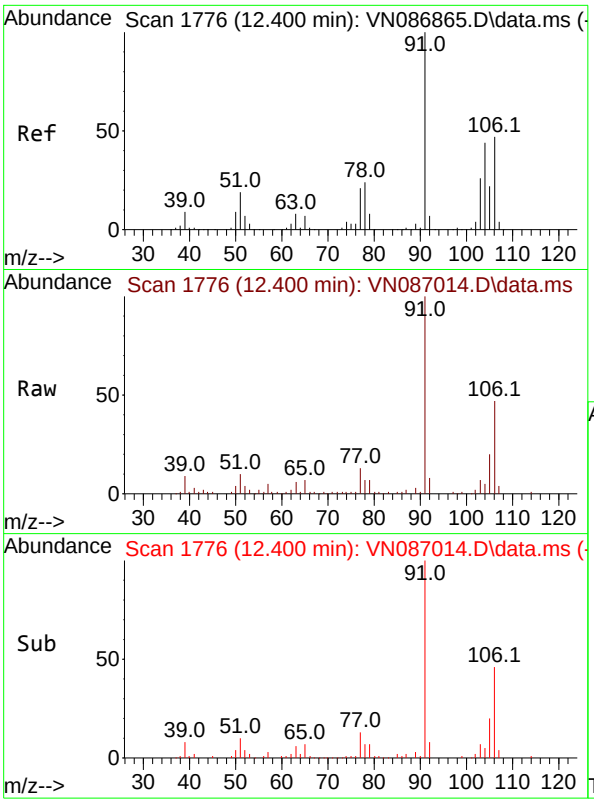


#68
m/p-Xylenes
Concen: 17.027 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN087014.D
Acq: 13 Jun 2025 19:51

Tgt Ion:106 Resp: 88981

Ion	Ratio	Lower	Upper
106	100		
91	195.7	159.4	239.0

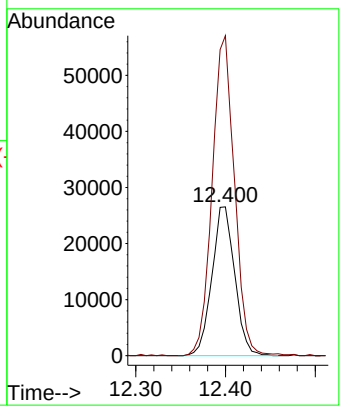




#69
o-Xylene
Concen: 9.356 ug/l
RT: 12.400 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087014.D
Acq: 13 Jun 2025 19:51

Tgt Ion:106 Resp: 4682

Ion	Ratio	Lower	Upper
106	100		
91	210.2	106.1	318.1



Instrument :
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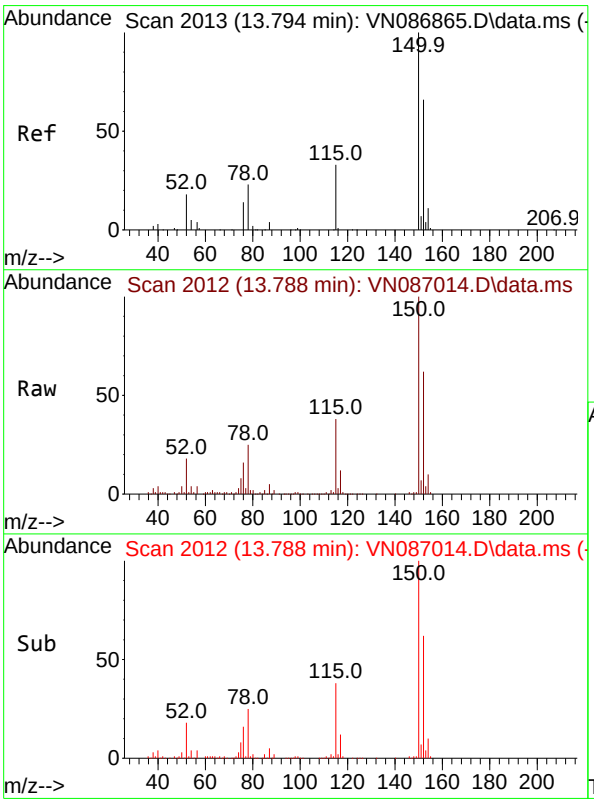
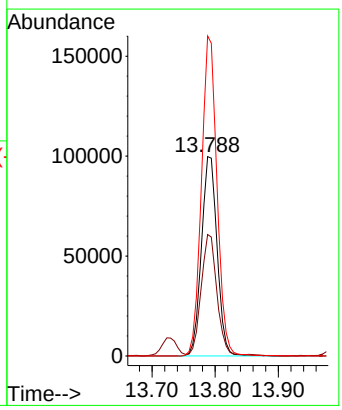
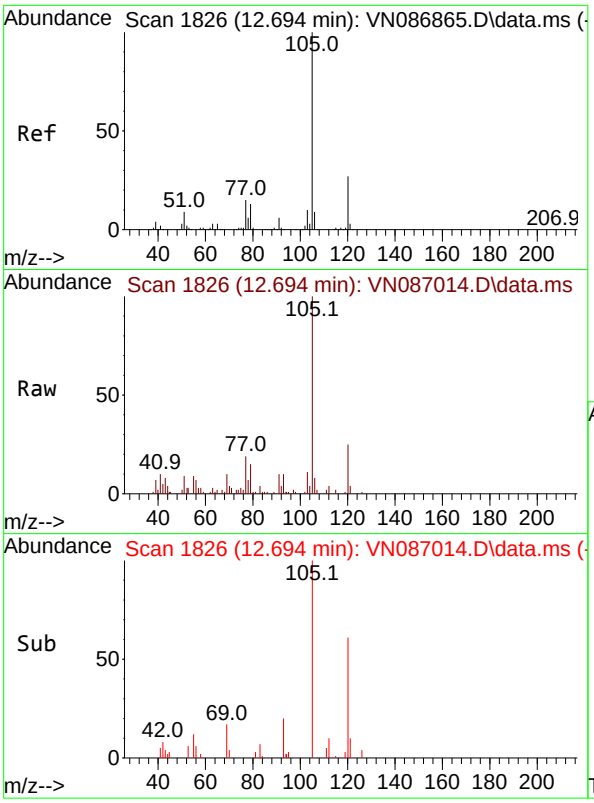


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN087014.D
Acq: 13 Jun 2025 19:51

Tgt Ion:152 Resp: 172357

Ion	Ratio	Lower	Upper
152	100		
115	60.0	30.1	90.5
150	158.9	0.0	345.0





#73
Isopropylbenzene
Concen: 2.340 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087014.D
Acq: 13 Jun 2025 19:51

Tgt Ion:105 Resp: 2937

Ion	Ratio	Lower	Upper
105	100		
120	25.5	13.5	40.4

Instrument :
MSVOA_N
ClientSampleId :
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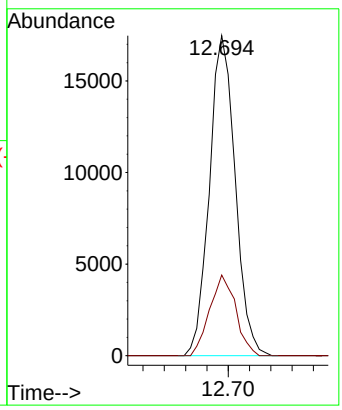

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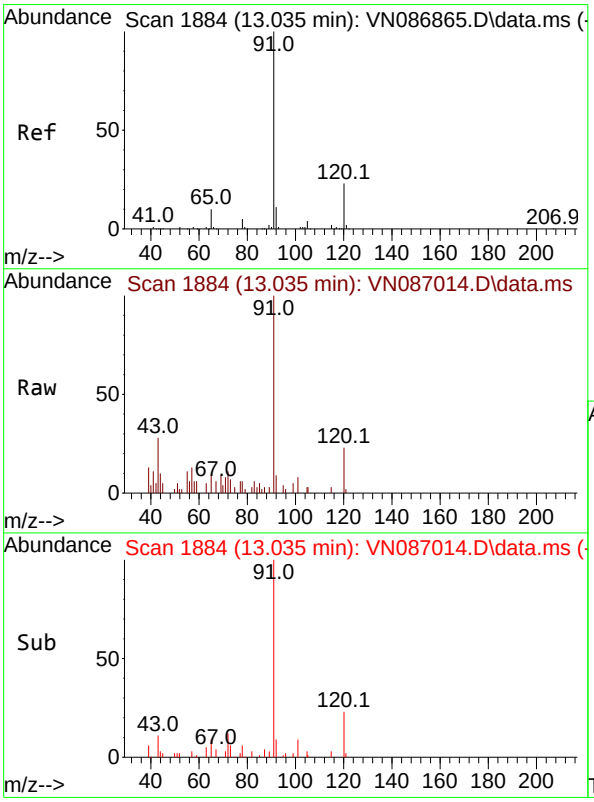
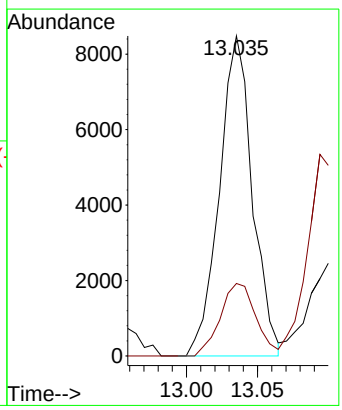
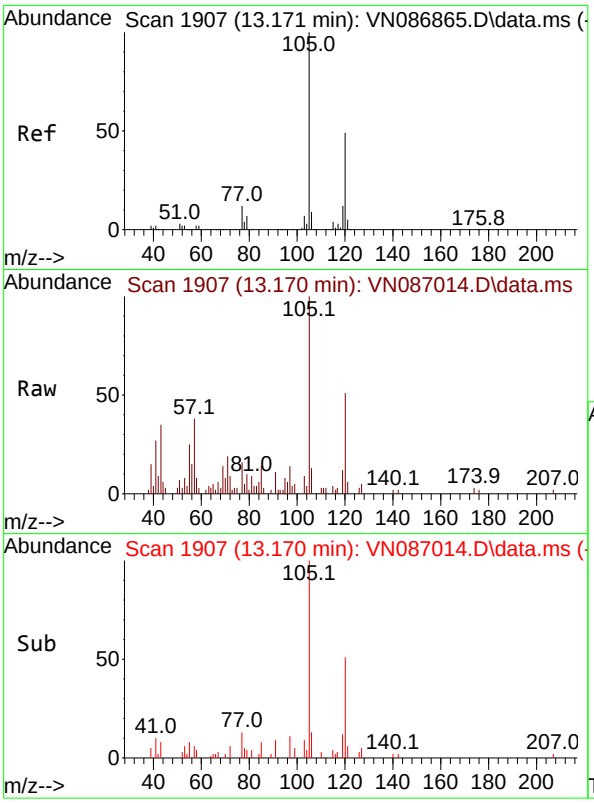


#78
n-propylbenzene
Concen: 0.897 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN087014.D
Acq: 13 Jun 2025 19:51

Tgt Ion: 91 Resp: 13690

Ion	Ratio	Lower	Upper
91	100		
120	24.6	11.4	34.2

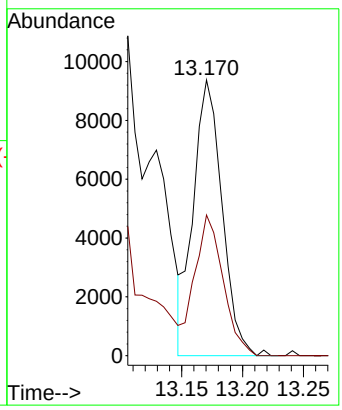




#80
1,3,5-Trimethylbenzene
Concen: 1.483 ug/l
RT: 13.170 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087014.D
Acq: 13 Jun 2025 19:51

Tgt Ion:105 Resp: 1537

Ion	Ratio	Lower	Upper
105	100		
120	50.8	24.9	74.6



Instrument :
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ClientSampleId :
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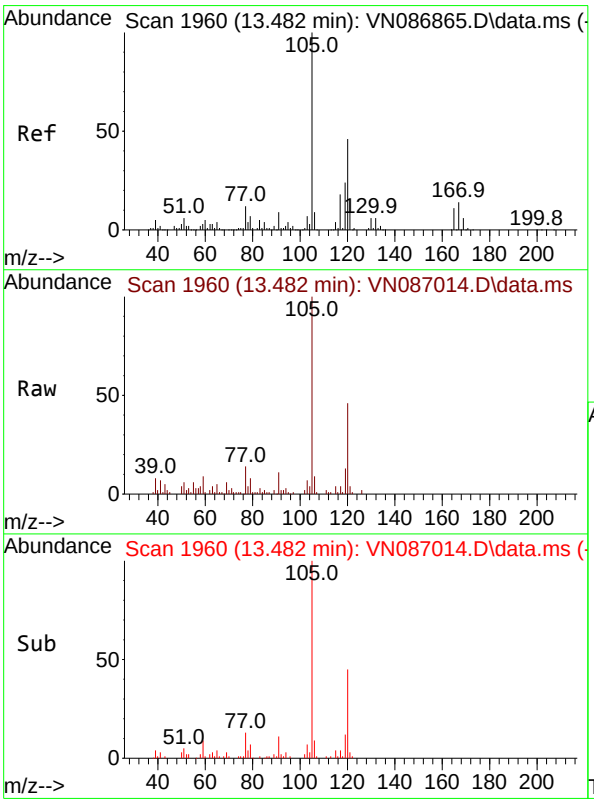
06/16/2025
Supervised By :Mahesh
Dadoda

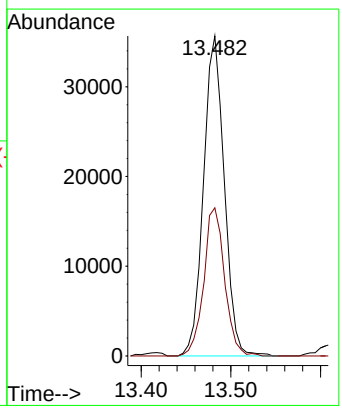
06/16/2025

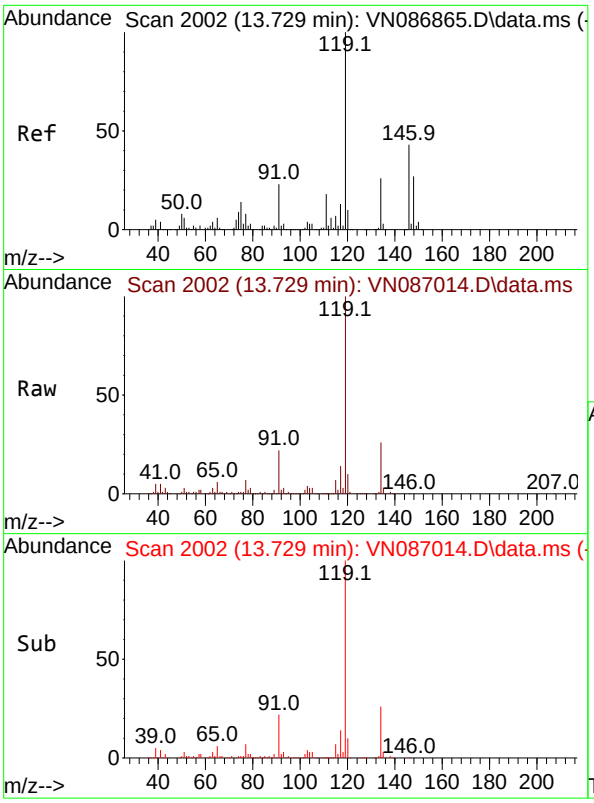


#84
1,2,4-Trimethylbenzene
Concen: 5.508 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN087014.D
Acq: 13 Jun 2025 19:51

Tgt Ion:105 Resp: 57257

Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.2	69.6

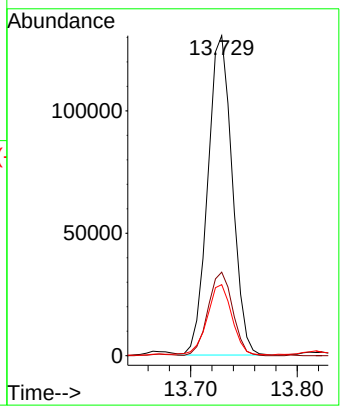




#86
p-Isopropyltoluene
Concen: 18.246 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN087014.D
Acq: 13 Jun 2025 19:51

Tgt Ion:119 Resp: 20785

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.5	40.4
91	22.2	11.5	34.4



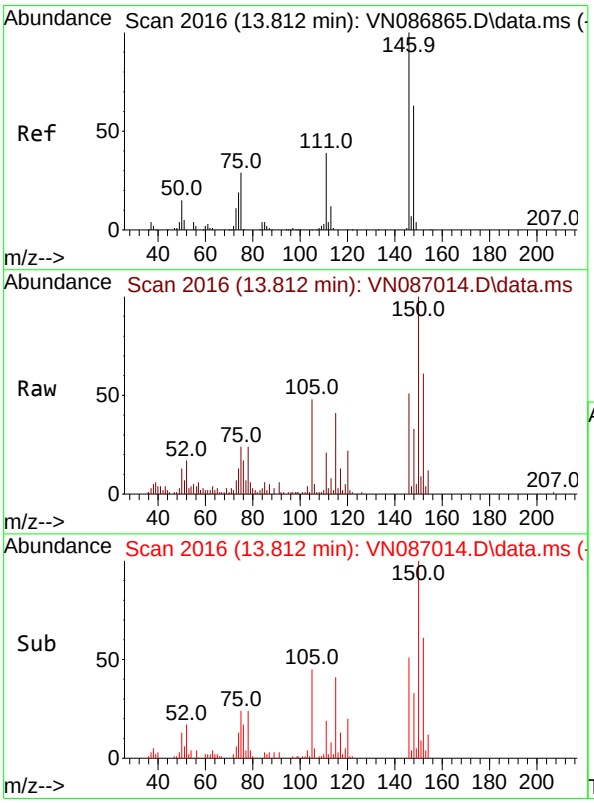
Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOARE

Manual Integrations APPROVED

Reviewed By :John Carlone

06/16/2025
Supervised By :Mahesh Dadoda

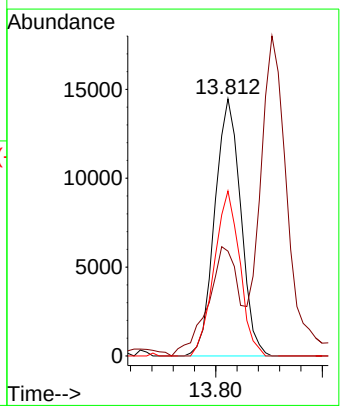
06/16/2025

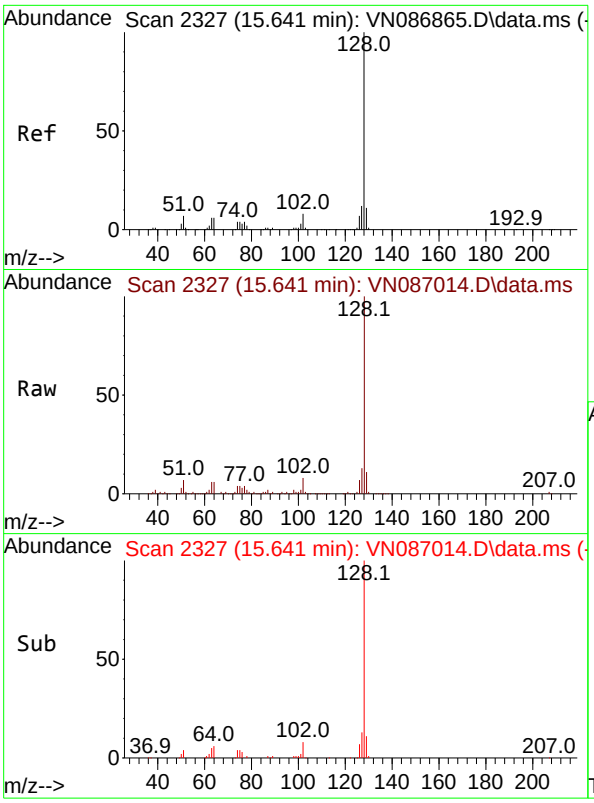


#88
1,4-Dichlorobenzene
Concen: 4.239 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN087014.D
Acq: 13 Jun 2025 19:51

Tgt Ion:146 Resp: 24483

Ion	Ratio	Lower	Upper
146	100		
111	51.6	19.9	59.7
148	63.3	31.8	95.4

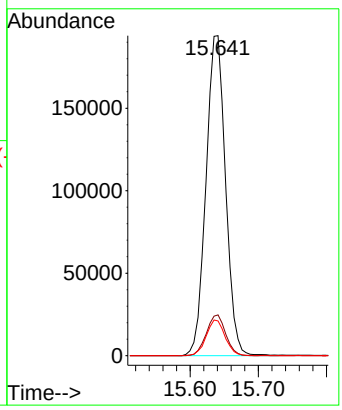




#95
Naphthalene
Concen: 29.956 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN087014.D
Acq: 13 Jun 2025 19:51

Tgt Ion:128 Resp: 38756

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.8	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
250611078-02-VOARE

Manual Integrations APPROVED

Reviewed By :John Carlone

06/16/2025

Supervised By :Mahesh Dadoda

06/16/2025

Raw Data: **VN086983.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	06/11/25
Project:	Waste Water 2025	Date Received:	06/12/25
Client Sample ID:	250611056-09-TRIP-BLANK	SDG No.:	Q2302
Lab Sample ID:	Q2302-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086983.D	1		06/12/25 17:25	VN061225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	UQ	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	UQ	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	UQ	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	UQ	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Raw Data: **VN086983.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	06/11/25
Project:	Waste Water 2025	Date Received:	06/12/25
Client Sample ID:	250611056-09-TRIP-BLANK	SDG No.:	Q2302
Lab Sample ID:	Q2302-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086983.D	1		06/12/25 17:25	VN061225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	UQ	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	UQ	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	UQ	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	UQ	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	UQ	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	UQ	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	UQ	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	UQ	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	UQ	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.0		74 - 125	102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	51.7		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		77 - 121	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	289000	8.235			
540-36-3	1,4-Difluorobenzene	558000	9.106			
3114-55-4	Chlorobenzene-d5	494000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	235000	13.788			

Raw Data: **VN086983.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	06/11/25
Project:	Waste Water 2025	Date Received:	06/12/25
Client Sample ID:	250611056-09-TRIP-BLANK	SDG No.:	Q2302
Lab Sample ID:	Q2302-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086983.D	1		06/12/25 17:25	VN061225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **VN086983.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086983.D
Acq On : 12 Jun 2025 17:25
Operator : JC\MD
Sample : Q2302-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250611056-09-TRIP-BLANK

Quant Time: Jun 13 01:31:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	289495	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	557887	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	494340	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	234791	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	197854	51.046	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.100%			
35) Dibromofluoromethane	8.177	113	167104	50.543	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.080%			
50) Toluene-d8	10.571	98	676027	51.651	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.300%			
62) 4-Bromofluorobenzene	12.847	95	240394	49.437	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.880%			

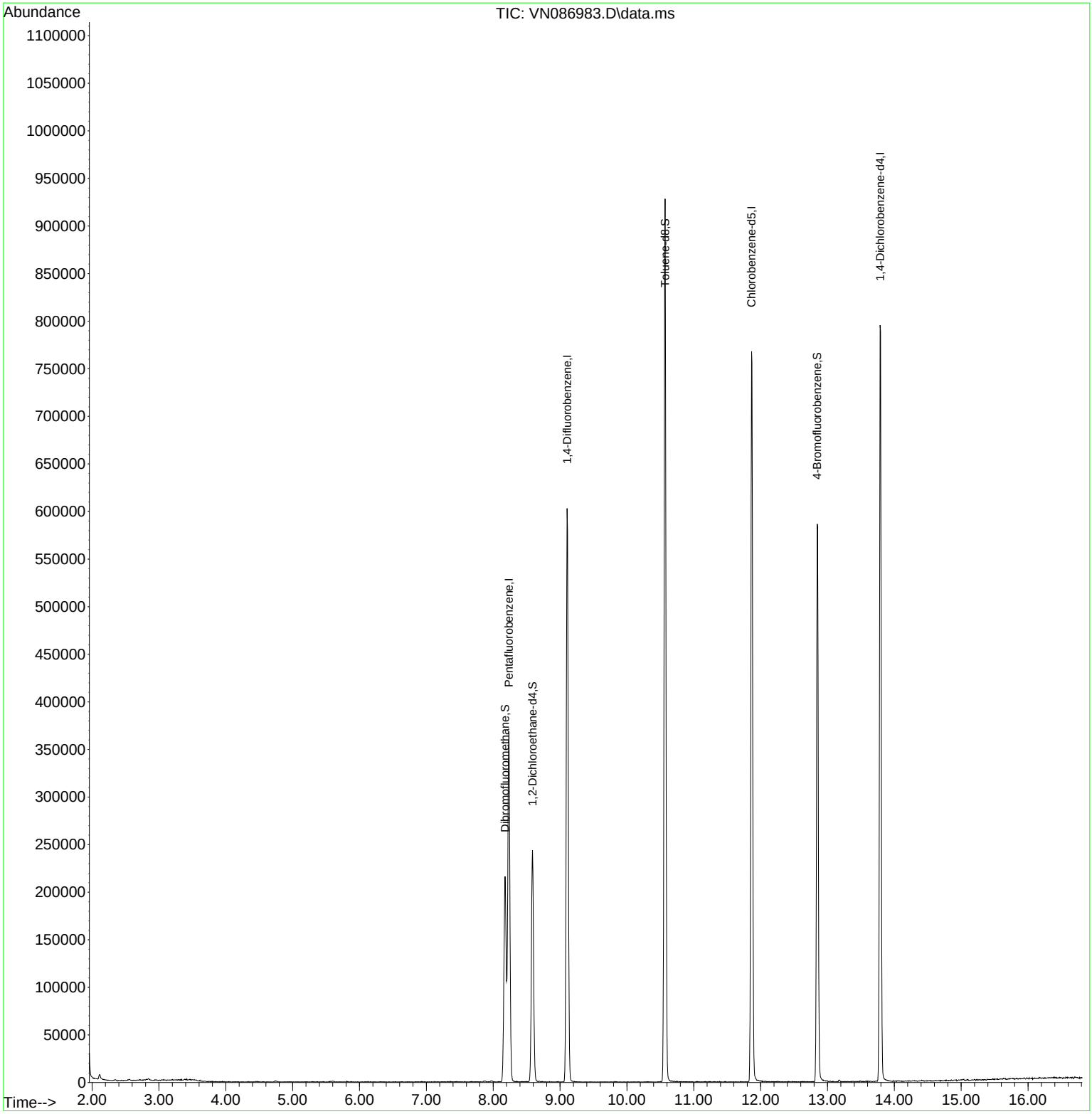
Target Compounds Qvalue

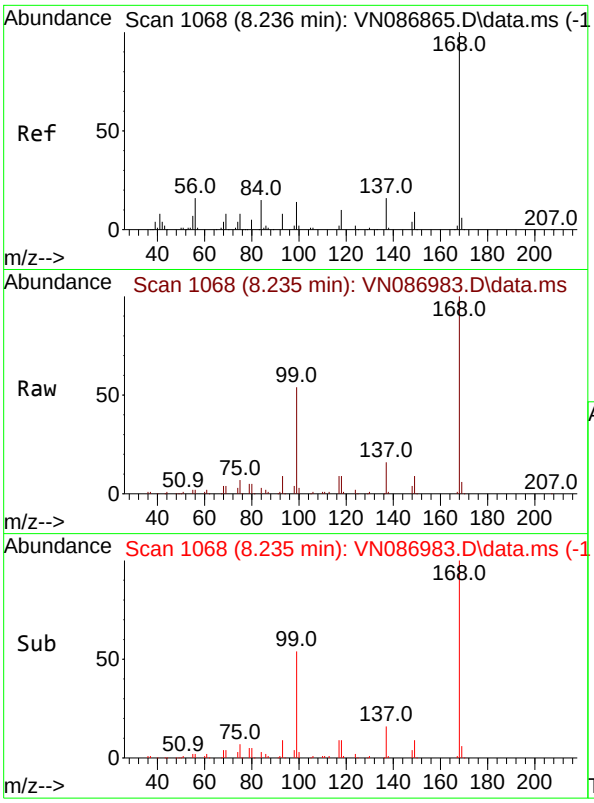
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086983.D
Acq On : 12 Jun 2025 17:25
Operator : JC\MD
Sample : Q2302-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250611056-09-TRIP-BLANK

Quant Time: Jun 13 01:31:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



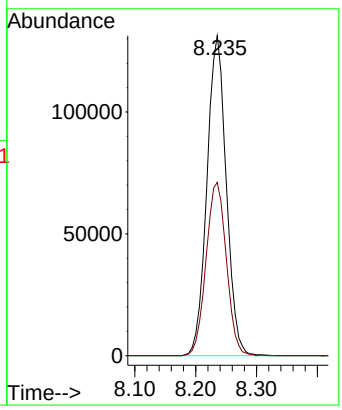


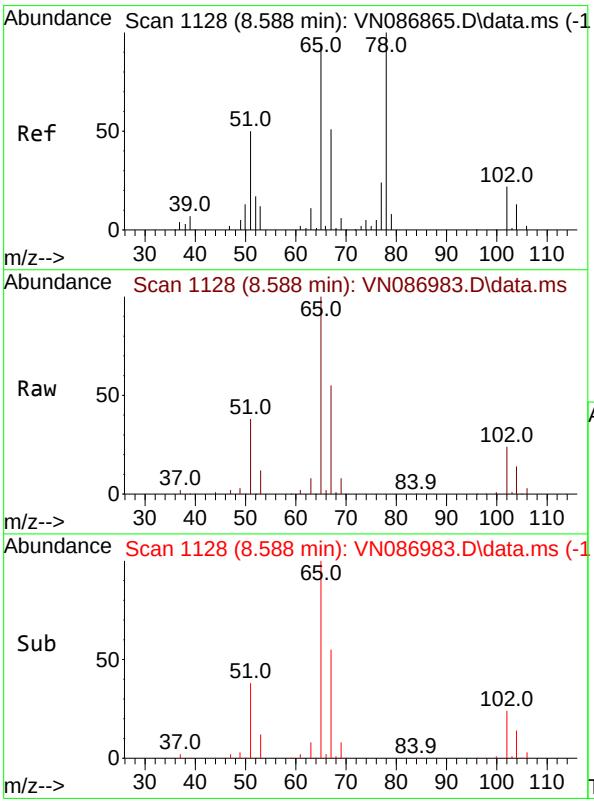
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN086983.D
Acq: 12 Jun 2025 17:25

Instrument :
MSVOA_N
ClientSampleId :
250611056-09-TRIP-BLANK

Tgt Ion:168 Resp: 289495

Ion	Ratio	Lower	Upper
168	100		
99	54.1	49.1	73.7

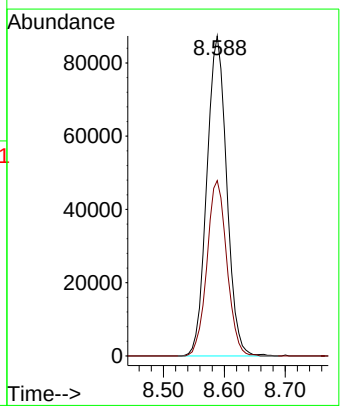


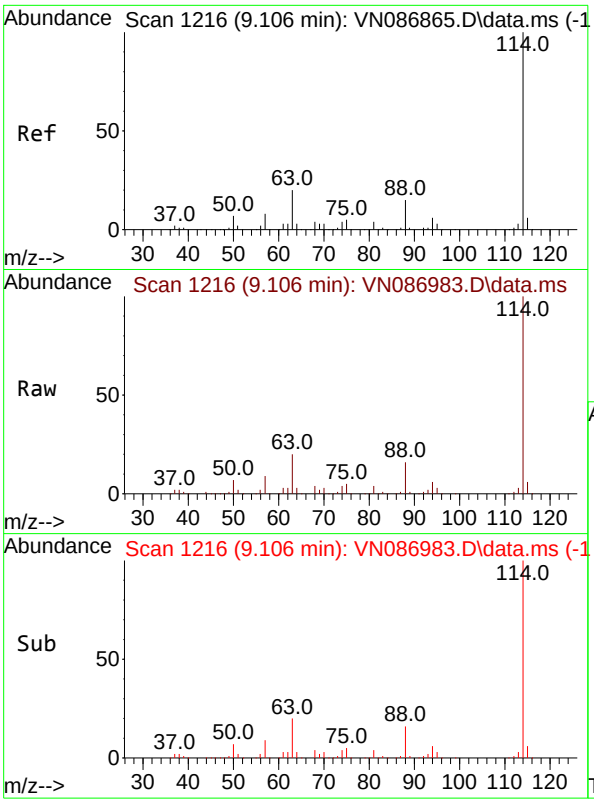


#33
1,2-Dichloroethane-d4
Concen: 51.046 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN086983.D
Acq: 12 Jun 2025 17:25

Tgt Ion: 65 Resp: 197854

Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	105.6



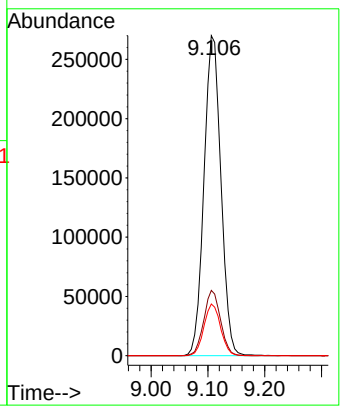


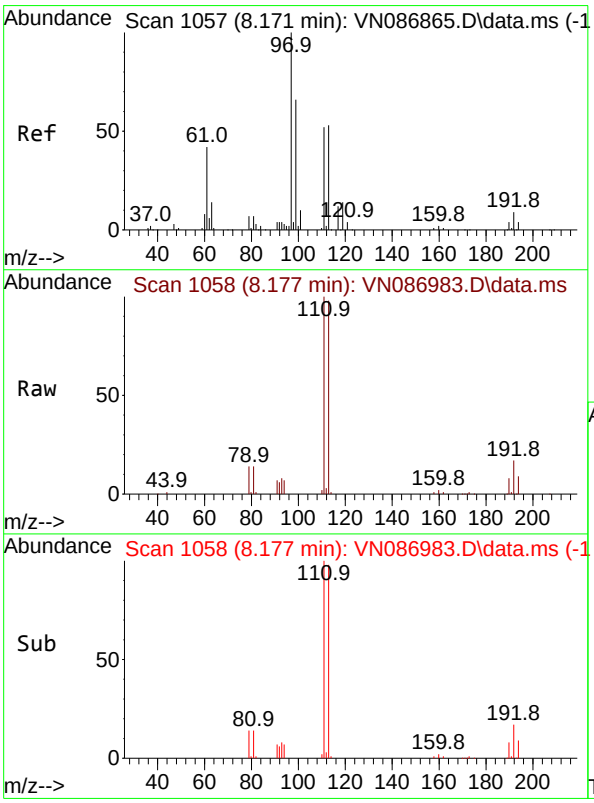
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086983.D
Acq: 12 Jun 2025 17:25

Instrument :
MSVOA_N
ClientSampleId :
250611056-09-TRIP-BLANK

Tgt Ion:114 Resp: 557887

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	39.6
88	16.1	0.0	30.2

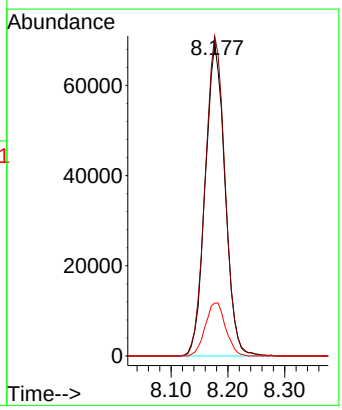


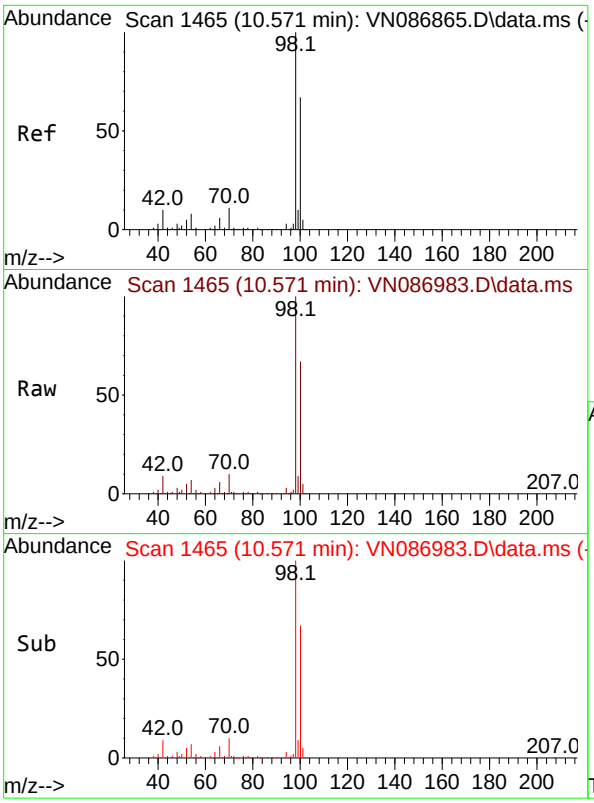


#35
Dibromofluoromethane
Concen: 50.543 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN086983.D
Acq: 12 Jun 2025 17:25

Tgt Ion:113 Resp: 167104

Ion	Ratio	Lower	Upper
113	100		
111	103.1	84.2	126.2
192	17.5	14.2	21.4



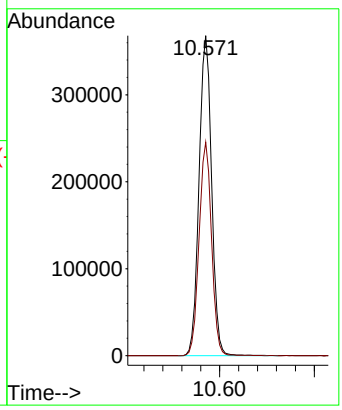


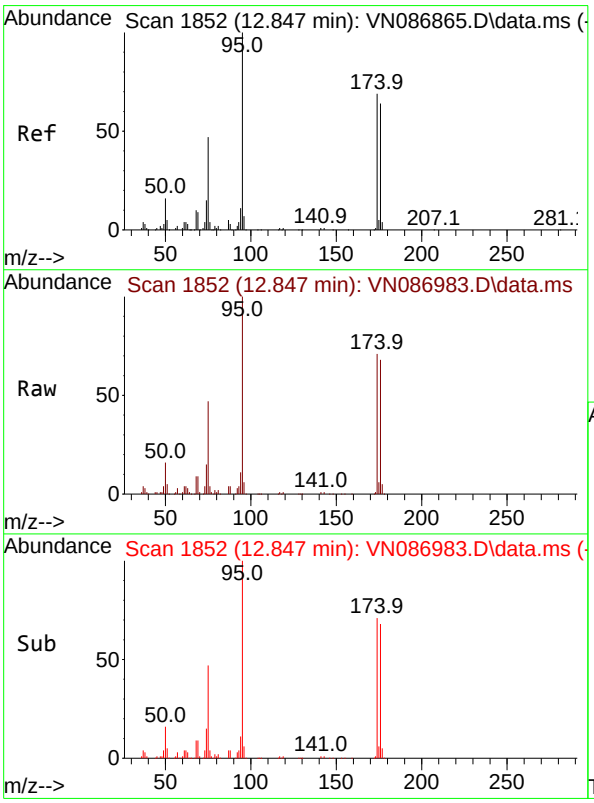
#50
Toluene-d8
Concen: 51.651 ug/l
RT: 10.571 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086983.D
Acq: 12 Jun 2025 17:25

Instrument :
MSVOA_N
ClientSampleId :
250611056-09-TRIP-BLANK

Tgt Ion: 98 Resp: 676027

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.4	80.0

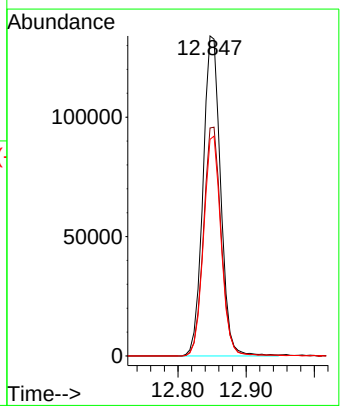


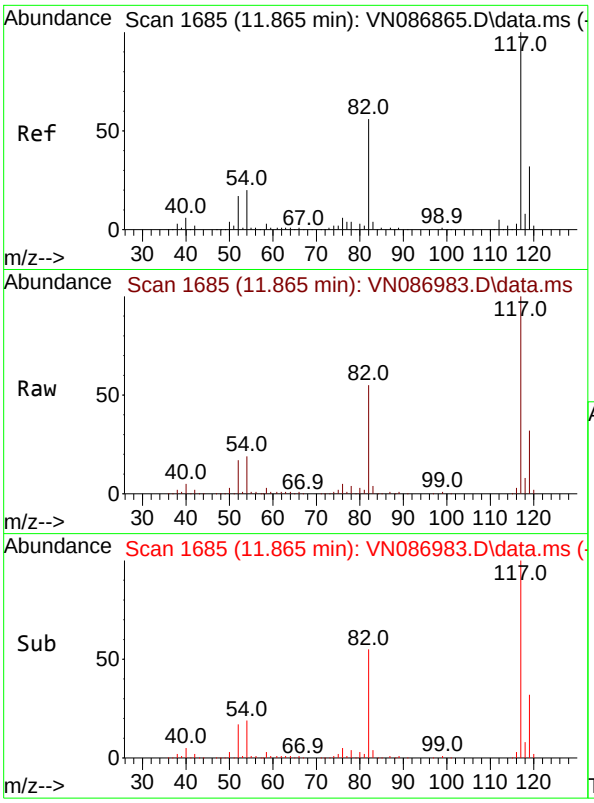


#62
4-Bromofluorobenzene
Concen: 49.437 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086983.D
Acq: 12 Jun 2025 17:25

Tgt Ion: 95 Resp: 240394

Ion	Ratio	Lower	Upper
95	100		
174	72.4	0.0	141.8
176	68.4	0.0	132.6



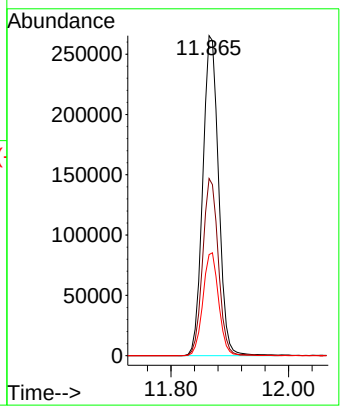


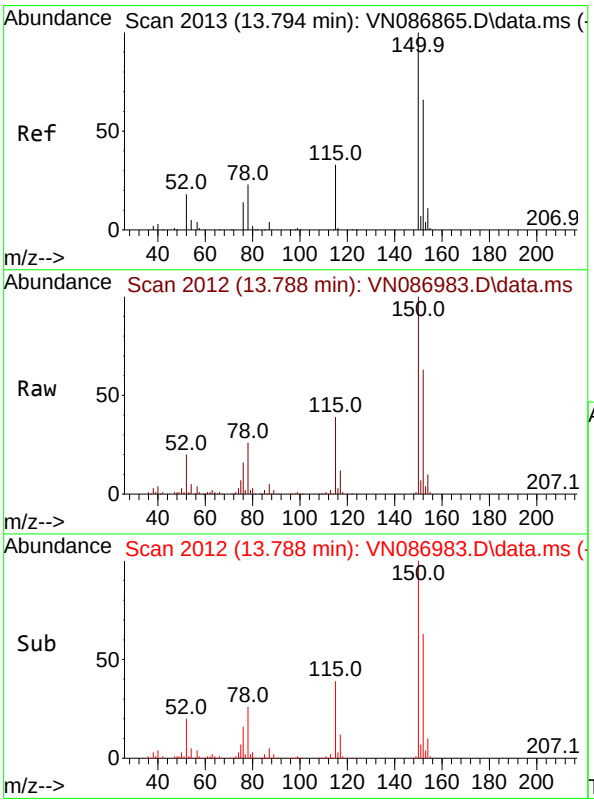
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086983.D
Acq: 12 Jun 2025 17:25

Instrument :
MSVOA_N
ClientSampleId :
250611056-09-TRIP-BLANK

Tgt Ion:117 Resp: 494340

Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.6	67.0
119	31.6	25.5	38.3

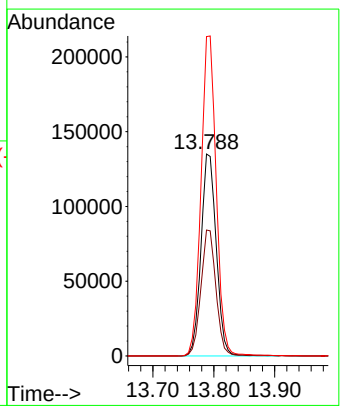




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086983.D
Acq: 12 Jun 2025 17:25

Tgt Ion:152 Resp: 234791

Ion	Ratio	Lower	Upper
152	100		
115	61.5	30.1	90.5
150	157.9	0.0	345.0



Sample Results: **VN086983.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086983.D
Acq On : 12 Jun 2025 17:25
Operator : JC\MD
Sample : Q2302-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250611056-09-TRIP-BLANK

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Title : SW846 8260

Signal : TIC: VN086983.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.177	1048	1058	1062	rBV	215671	500357	29.17%	5.757%
2	8.235	1062	1068	1079	rVB	367787	838188	48.86%	9.643%
3	8.588	1116	1128	1142	rBV2	243637	551683	32.16%	6.347%
4	9.106	1207	1216	1229	rBV	602675	1236227	72.07%	14.223%
5	10.571	1455	1465	1479	rBV	928159	1715382	100.00%	19.736%
6	11.865	1676	1685	1700	rBV	767717	1428668	83.29%	16.437%
7	12.847	1845	1852	1866	rBV	586091	1047422	61.06%	12.051%
8	13.788	2005	2012	2026	rBV	794662	1373912	80.09%	15.807%

Sum of corrected areas: 8691839

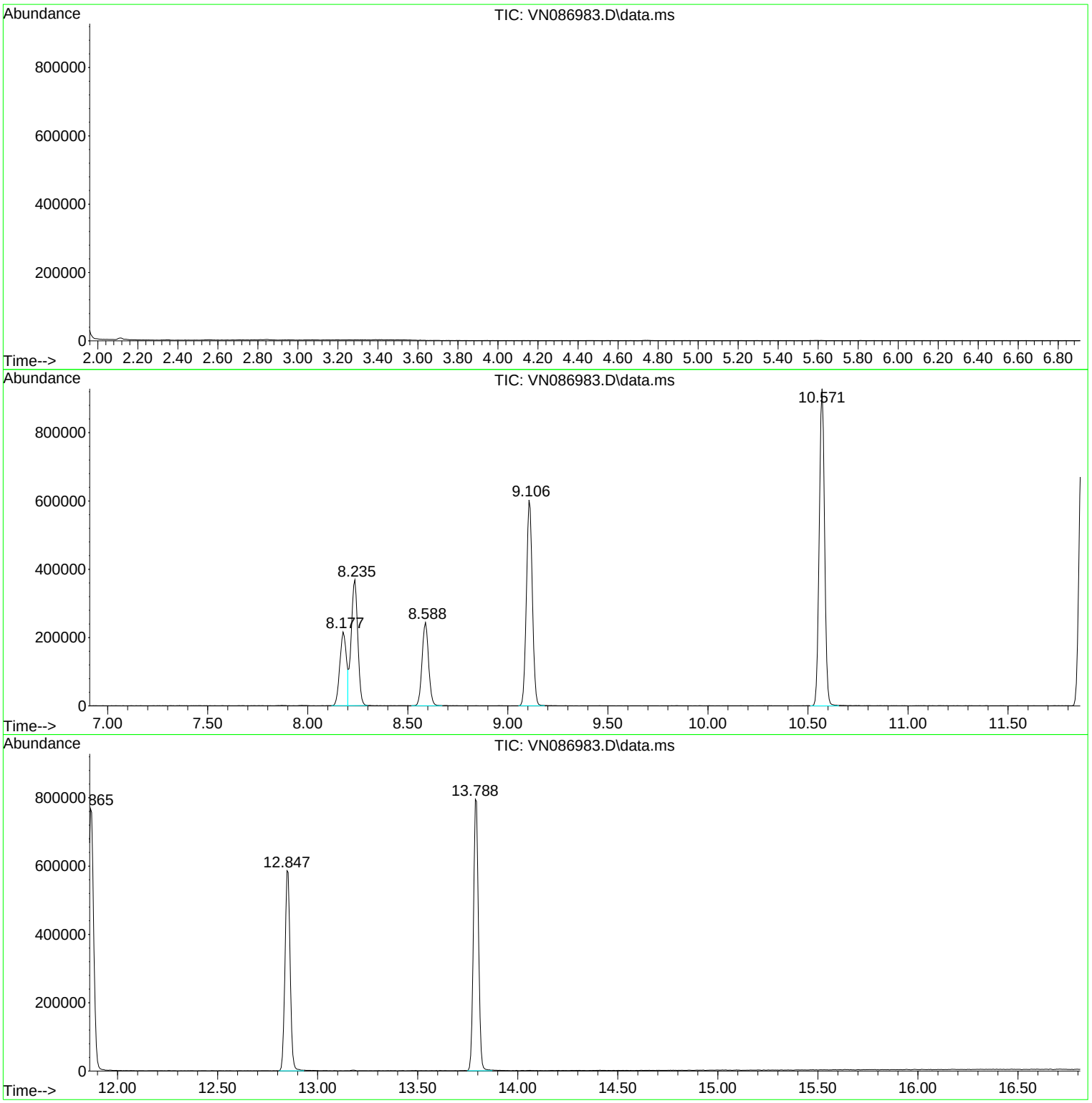
Sample Results: **VN086983.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086983.D
Acq On : 12 Jun 2025 17:25
Operator : JC\MD
Sample : Q2302-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250611056-09-TRIP-BLANK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VN086983.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086983.D
Acq On : 12 Jun 2025 17:25
Operator : JC\MD
Sample : Q2302-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250611056-09-TRIP-BLANK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086983.D
Acq On : 12 Jun 2025 17:25
Operator : JC\MD
Sample : Q2302-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250611056-09-TRIP-BLANK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GARD04

Lab Code: CHEM Case No.: Q2302 SAS No.: Q2302 SDG No.: Q2302

Instrument ID: MSVOA_N Calibration Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:44 14:49

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

LAB FILE ID: RRF001 = VN086862.D RRF005 = VN086863.D RRF020 = VN086864.D
RRF050 = VN086865.D RRF100 = VN086866.D RRF150 = VN086867.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.467	0.444	0.539	0.501	0.535	0.506	0.499	7.5
Chloromethane	0.762	0.654	0.645	0.597	0.617	0.587	0.644	9.9
Vinyl Chloride	0.670	0.670	0.684	0.640	0.673	0.648	0.664	2.5
Bromomethane		0.375	0.380	0.357	0.379	0.368	0.372	2.6
Chloroethane	0.460	0.444	0.442	0.408	0.418	0.402	0.429	5.4
Trichlorofluoromethane	0.882	0.903	0.904	0.834	0.858	0.825	0.868	3.9
1,1,2-Trichlorotrifluoroethane	0.554	0.567	0.563	0.519	0.546	0.520	0.545	3.8
1,1-Dichloroethene	0.573	0.593	0.563	0.533	0.550	0.527	0.557	4.4
Acetone	0.426	0.366	0.366	0.322	0.334	0.316	0.355	11.5
Carbon Disulfide	1.718	1.622	1.542	1.426	1.496	1.433	1.539	7.4
Methyl tert-butyl Ether	2.120	2.038	2.051	1.933	2.021	1.926	2.015	3.7
Methyl Acetate	1.035	1.049	1.078	0.986	1.049	1.011	1.035	3.1
Methylene Chloride	0.822	0.688	0.643	0.605	0.629	0.601	0.665	12.5
trans-1,2-Dichloroethene	0.700	0.674	0.621	0.567	0.591	0.561	0.619	9.3
1,1-Dichloroethane	1.192	1.153	1.156	1.063	1.110	1.043	1.120	5.2
Cyclohexane		1.303	1.116	1.004	1.030	0.976	1.086	12.2
2-Butanone	0.604	0.598	0.604	0.551	0.573	0.533	0.577	5.2
Carbon Tetrachloride	0.453	0.449	0.434	0.409	0.435	0.421	0.433	3.9
cis-1,2-Dichloroethene	0.786	0.766	0.762	0.699	0.729	0.701	0.740	4.9
Bromochloromethane	0.579	0.564	0.616	0.466	0.517	0.560	0.550	9.5
Chloroform	1.235	1.152	1.145	1.061	1.085	1.030	1.118	6.7
1,1,1-Trichloroethane	1.029	0.995	0.969	0.895	0.925	0.893	0.951	5.9
Methylcyclohexane	0.633	0.645	0.588	0.570	0.603	0.589	0.605	4.8
Benzene	1.588	1.501	1.444	1.345	1.414	1.371	1.444	6.2
1,2-Dichloroethane	0.473	0.456	0.444	0.411	0.430	0.413	0.438	5.6
Trichloroethene	0.359	0.360	0.341	0.327	0.340	0.328	0.342	4.2
1,2-Dichloropropane	0.366	0.369	0.354	0.332	0.352	0.335	0.351	4.4
Bromodichloromethane	0.510	0.484	0.480	0.457	0.483	0.465	0.480	3.8
4-Methyl-2-Pentanone	0.505	0.549	0.576	0.538	0.562	0.528	0.543	4.6
Toluene	0.918	0.914	0.885	0.835	0.883	0.859	0.882	3.6

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

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GARD04

Lab Code: CHEM Case No.: Q2302 SAS No.: Q2302 SDG No.: Q2302

Instrument ID: MSVOA_N Calibration Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:44 14:49

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

LAB FILE ID: RRF001 = VN086862.D RRF005 = VN086863.D RRF020 = VN086864.D
RRF050 = VN086865.D RRF100 = VN086866.D RRF150 = VN086867.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.571	0.526	0.524	0.522	0.548	0.530	0.537	3.6
cis-1,3-Dichloropropene	0.609	0.577	0.564	0.551	0.584	0.561	0.574	3.6
1,1,2-Trichloroethane	0.359	0.355	0.342	0.322	0.335	0.323	0.340	4.7
2-Hexanone	0.312	0.282	0.363	0.368	0.397	0.376	0.350	12.4
Dibromochloromethane	0.361	0.351	0.358	0.340	0.363	0.349	0.354	2.5
1,2-Dibromoethane	0.353	0.358	0.354	0.329	0.354	0.341	0.348	3.2
Tetrachloroethene	0.355	0.331	0.312	0.294	0.313	0.293	0.316	7.5
Chlorobenzene	1.233	1.135	1.107	1.023	1.089	1.030	1.103	7
Ethyl Benzene	1.989	1.975	1.907	1.796	1.913	1.816	1.900	4.2
m/p-Xylenes	0.730	0.751	0.741	0.701	0.736	0.703	0.727	2.8
o-Xylene	0.714	0.699	0.702	0.674	0.711	0.678	0.696	2.4
Styrene	1.177	1.193	1.226	1.162	1.229	1.164	1.192	2.5
Bromoform	0.217	0.266	0.276	0.265	0.286	0.267	0.263	9.1
Isopropylbenzene	3.864	3.749	3.649	3.426	3.621	3.546	3.643	4.2
1,1,2,2-Tetrachloroethane	1.292	1.299	1.273	1.178	1.205	1.157	1.234	5
1,3-Dichlorobenzene	1.763	1.709	1.657	1.554	1.612	1.566	1.644	5
1,4-Dichlorobenzene	1.820	1.786	1.657	1.572	1.642	1.576	1.676	6.3
1,2-Dichlorobenzene	1.675	1.651	1.596	1.500	1.557	1.496	1.579	4.8
1,2-Dibromo-3-Chloropropane	0.339	0.317	0.290	0.272	0.283	0.270	0.295	9.3
1,2,4-Trichlorobenzene	1.042	1.037	0.991	0.969	1.016	0.994	1.008	2.8
1,2,3-Trichlorobenzene	1.073	1.009	0.993	0.950	1.000	0.987	1.002	4
1,2-Dichloroethane-d4		0.732	0.707	0.500	0.656	0.751	0.669	15.1
Dibromofluoromethane		0.303	0.310	0.219	0.298	0.351	0.296	16.2
Toluene-d8		1.245	1.203	0.861	1.178	1.377	1.173	16.2
4-Bromofluorobenzene		0.441	0.446	0.325	0.446	0.521	0.436	16.2

* 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.

Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N060625W.M
Title : SW846 8260
Last Update : Sat Jun 07 02:12:50 2025
Response Via : Initial Calibration

Calibration Files
1 =VN086862.D 5 =VN086863.D 20 =VN086864.D 50 =VN086865.D 100 =VN086866.D 150 =VN086867.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.467	0.444	0.539	0.501	0.535	0.506	0.499	7.51
3)	P	Chloromethane	0.762	0.654	0.645	0.597	0.617	0.587	0.644	9.85
4)	C	Vinyl Chloride	0.670	0.670	0.684	0.640	0.673	0.648	0.664	2.49#
5)	T	Bromomethane		0.375	0.380	0.357	0.379	0.368	0.372	2.57
6)	T	Chloroethane	0.460	0.444	0.442	0.408	0.418	0.402	0.429	5.37
7)	T	Trichlorofluor...	0.882	0.903	0.904	0.834	0.858	0.825	0.868	3.93
8)	T	Diethyl Ether	0.372	0.397	0.383	0.363	0.384	0.369	0.378	3.28
9)	T	1,1,2-Trichlor...	0.554	0.567	0.563	0.519	0.546	0.520	0.545	3.83
10)	T	Methyl Iodide		0.720	0.729	0.683	0.722	0.679	0.707	3.35
11)	T	Tert butyl alc...		0.192	0.194	0.176	0.180	0.166	0.182	6.37
12)	CM	1,1-Dichloroet...	0.573	0.593	0.563	0.533	0.550	0.527	0.557	4.44#
13)	T	Acrolein		0.073	0.051	0.045	0.052	0.066	0.057	20.26
14)	T	Allyl chloride	0.985	0.911	0.925	0.865	0.905	0.947	0.923	4.40
15)	T	Acrylonitrile	0.434	0.434	0.445	0.407	0.423	0.404	0.425	3.82
16)	T	Acetone	0.426	0.366	0.366	0.322	0.334	0.316	0.355	11.53
17)	T	Carbon Disulfide	1.718	1.621	1.542	1.426	1.496	1.433	1.539	7.38
18)	T	Methyl Acetate	1.035	1.049	1.078	0.986	1.049	1.011	1.035	3.10
19)	T	Methyl tert-bu...	2.120	2.038	2.051	1.933	2.021	1.926	2.015	3.69
20)	T	Methylene Chlo...	0.822	0.688	0.643	0.605	0.629	0.601	0.665	12.52
21)	T	trans-1,2-Dich...	0.700	0.674	0.621	0.567	0.591	0.561	0.619	9.25
22)	T	Diisopropyl ether	2.018	2.020	2.036	1.856	1.915	1.828	1.945	4.70
23)	T	Vinyl Acetate	1.743	1.692	1.715	1.591	1.604	1.517	1.644	5.29
24)	P	1,1-Dichloroet...	1.192	1.152	1.156	1.063	1.110	1.043	1.120	5.17
25)	T	2-Butanone	0.604	0.598	0.604	0.551	0.573	0.533	0.577	5.18
26)	T	2,2-Dichloropr...	0.967	0.796	0.778	0.905	0.912	0.868	0.871	8.32
27)	T	cis-1,2-Dichlo...	0.786	0.766	0.762	0.699	0.729	0.701	0.740	4.93
28)	T	Bromochloromet...	0.579	0.564	0.616	0.466	0.517	0.560	0.550	9.48
29)	T	Tetrahydrofuran	0.390	0.390	0.399	0.358	0.372	0.346	0.376	5.46
30)	C	Chloroform	1.235	1.151	1.145	1.061	1.085	1.030	1.118	6.66#
31)	T	Cyclohexane		1.303	1.116	1.004	1.030	0.976	1.086	12.21
32)	T	1,1,1-Trichlor...	1.029	0.995	0.969	0.895	0.925	0.893	0.951	5.88
33)	S	1,2-Dichloroet...		0.732	0.707	0.500	0.656	0.751	0.669	15.08
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.303	0.310	0.219	0.298	0.351	0.296	16.15
36)	T	1,1-Dichloropr...	0.467	0.458	0.438	0.418	0.442	0.426	0.442	4.23
37)	T	Ethyl Acetate	0.544	0.615	0.577	0.536	0.565	0.535	0.562	5.48
38)	T	Carbon Tetrach...	0.453	0.449	0.434	0.409	0.435	0.421	0.433	3.88
39)	T	Methylcyclohexane	0.633	0.645	0.588	0.570	0.603	0.589	0.605	4.75
40)	TM	Benzene	1.588	1.501	1.444	1.345	1.414	1.371	1.444	6.20
41)	T	Methacrylonitrile	0.356	0.319	0.318	0.303	0.299	0.299	0.316	6.84
42)	TM	1,2-Dichloroet...	0.473	0.456	0.444	0.411	0.430	0.413	0.438	5.60
43)	T	Isopropyl Acetate	0.975	0.950	0.906	0.852	0.884	0.845	0.902	5.79
44)	TM	Trichloroethene	0.359	0.360	0.341	0.327	0.340	0.327	0.342	4.17
45)	C	1,2-Dichloropr...	0.366	0.369	0.354	0.332	0.352	0.335	0.351	4.40#
46)	T	Dibromomethane	0.233	0.242	0.241	0.221	0.237	0.226	0.233	3.54
47)	T	Bromodichlorom...	0.510	0.484	0.480	0.457	0.483	0.465	0.480	3.80
48)	T	Methyl methacr...	0.444	0.415	0.421	0.394	0.421	0.397	0.415	4.40
49)	T	1,4-Dioxane	0.006	0.007	0.008	0.008	0.008	0.007	0.008	9.40
50)	S	Toluene-d8		1.245	1.203	0.861	1.178	1.377	1.173	16.23
51)	T	4-Methyl-2-Pen...	0.505	0.549	0.576	0.538	0.562	0.528	0.543	4.64
52)	CM	Toluene	0.918	0.914	0.885	0.835	0.883	0.859	0.882	3.61#
53)	T	t-1,3-Dichloro...	0.571	0.526	0.524	0.522	0.548	0.530	0.537	3.59
54)	T	cis-1,3-Dichlo...	0.609	0.577	0.564	0.551	0.584	0.561	0.574	3.61
55)	T	1,1,2-Trichlor...	0.359	0.355	0.342	0.322	0.335	0.323	0.340	4.66
56)	T	Ethyl methacry...	0.433	0.516	0.567	0.556	0.595	0.578	0.541	10.92

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N060625W.M

57)	T	1,3-Dichloropr...	0.643	0.600	0.587	0.561	0.583	0.559	0.589	5.27
58)	T	2-Chloroethyl ...	0.278	0.305	0.334	0.274	0.340	0.405	0.323	15.07
59)	T	2-Hexanone	0.312	0.282	0.363	0.368	0.397	0.376	0.350	12.36
60)	T	Dibromochlorom...	0.361	0.351	0.358	0.340	0.363	0.349	0.354	2.49
61)	T	1,2-Dibromoethane	0.353	0.358	0.354	0.329	0.354	0.341	0.348	3.18
62)	S	4-Bromofluorob...		0.441	0.446	0.325	0.446	0.521	0.436	16.16
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.355	0.331	0.312	0.294	0.313	0.293	0.316	7.51
65)	PM	Chlorobenzene	1.233	1.135	1.107	1.023	1.089	1.030	1.103	7.01
66)	T	1,1,1,2-Tetrac...	0.362	0.374	0.358	0.338	0.356	0.338	0.354	3.99
67)	C	Ethyl Benzene	1.989	1.975	1.907	1.796	1.913	1.816	1.899	4.19#
68)	T	m/p-Xylenes	0.730	0.751	0.741	0.701	0.736	0.703	0.727	2.82
69)	T	o-Xylene	0.714	0.699	0.702	0.674	0.711	0.678	0.696	2.42
70)	T	Styrene	1.177	1.193	1.226	1.162	1.229	1.164	1.192	2.51
71)	P	Bromoform	0.217	0.266	0.276	0.265	0.286	0.267	0.263	9.09
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.864	3.749	3.649	3.426	3.621	3.546	3.643	4.21
74)	T	N-amyl acetate	1.376	1.110	1.187	1.266	1.372	1.327	1.273	8.42
75)	P	1,1,2,2-Tetrac...	1.292	1.299	1.273	1.178	1.205	1.157	1.234	4.99
76)	T	1,2,3-Trichlor...	1.297	1.189	1.129	1.173	1.201	1.142	1.189	5.03
77)	T	Bromobenzene	0.870	0.855	0.840	0.790	0.838	0.819	0.835	3.36
78)	T	n-propylbenzene	4.530	4.627	4.449	4.211	4.424	4.317	4.427	3.35
79)	T	2-Chlorotoluene	2.852	2.723	2.674	2.507	2.618	2.554	2.655	4.69
80)	T	1,3,5-Trimethy...	3.004	3.091	3.035	2.898	3.064	2.953	3.007	2.39
81)	T	trans-1,4-Dich...		0.510	0.522	0.476	0.546	0.528	0.516	5.06
82)	T	4-Chlorotoluene	2.899	2.757	2.671	2.531	2.664	2.595	2.686	4.81
83)	T	tert-Butylbenzene	2.942	2.810	2.736	2.617	2.745	2.668	2.753	4.14
84)	T	1,2,4-Trimethy...	2.952	3.122	3.063	2.914	3.075	2.968	3.016	2.73
85)	T	sec-Butylbenzene	4.114	4.126	4.037	3.829	4.018	3.861	3.998	3.15
86)	T	p-Isopropyltol...	3.305	3.425	3.321	3.184	3.366	3.227	3.305	2.68
87)	T	1,3-Dichlorobe...	1.763	1.709	1.657	1.554	1.612	1.566	1.644	5.01
88)	T	1,4-Dichlorobe...	1.820	1.786	1.657	1.572	1.642	1.576	1.676	6.27
89)	T	n-Butylbenzene	3.473	3.292	3.140	3.059	3.188	3.054	3.201	4.99
90)	T	Hexachloroethane	0.580	0.537	0.569	0.537	0.577	0.562	0.560	3.43
91)	T	1,2-Dichlorobe...	1.675	1.651	1.596	1.500	1.557	1.496	1.579	4.77
92)	T	1,2-Dibromo-3-...	0.339	0.317	0.290	0.272	0.283	0.270	0.295	9.29
93)	T	1,2,4-Trichlor...	1.042	1.037	0.991	0.969	1.016	0.994	1.008	2.82
94)	T	Hexachlorobuta...	0.364	0.391	0.385	0.363	0.382	0.369	0.376	3.11
95)	T	Naphthalene	3.820	3.727	3.761	3.600	3.839	3.772	3.753	2.27
96)	T	1,2,3-Trichlor...	1.073	1.009	0.993	0.950	1.000	0.987	1.002	4.05

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086862.D
Acq On : 06 Jun 2025 12:44
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 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:54:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.235	168	212682	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.106	114	393457	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	348010	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	167399	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	2.153	85	1985	0.936	ug/l		72
3) Chloromethane	2.400	50	3241	1.184	ug/l		98
4) Vinyl Chloride	2.559	62	2848	1.008	ug/l	#	88
6) Chloroethane	3.159	64	1957	1.073	ug/l	#	79
7) Trichlorofluoromethane	3.530	101	3752	1.017	ug/l		97
8) Diethyl Ether	3.994	74	1583	0.984	ug/l		76
9) 1,1,2-Trichlorotrifluo...	4.377	101	2358m	1.017	ug/l		
12) 1,1-Dichloroethene	4.365	96	2436	1.029	ug/l		85
14) Allyl chloride	5.041	41	4189	1.067	ug/l	#	75
15) Acrylonitrile	5.735	53	9222	5.106	ug/l		96
16) Acetone	4.459	43	9069	6.006	ug/l		95
17) Carbon Disulfide	4.730	76	7306	1.116	ug/l		97
18) Methyl Acetate	5.053	43	4402	1.000	ug/l	#	66
19) Methyl tert-butyl Ether	5.824	73	9019	1.052	ug/l		92
20) Methylene Chloride	5.294	84	3496	1.237	ug/l		93
21) trans-1,2-Dichloroethene	5.800	96	2979	1.131	ug/l		87
22) Diisopropyl ether	6.682	45	8584	1.037	ug/l	#	96
23) Vinyl Acetate	6.618	43	37075	5.303	ug/l		95
24) 1,1-Dichloroethane	6.588	63	5071	1.065	ug/l	#	81
25) 2-Butanone	7.500	43	12841	5.231	ug/l		93
26) 2,2-Dichloropropane	7.500	77	4112	1.110	ug/l		94
27) cis-1,2-Dichloroethene	7.494	96	3345	1.062	ug/l		95
28) Bromochloromethane	7.824	49	2464	1.052	ug/l	#	88
29) Tetrahydrofuran	7.853	42	8301	5.191	ug/l		100
30) Chloroform	7.971	83	5255	1.105	ug/l		97
32) 1,1,1-Trichloroethane	8.171	97	4378	1.082	ug/l	#	50
36) 1,1-Dichloropropene	8.376	75	3678	1.059	ug/l		96
37) Ethyl Acetate	7.577	43	4282	0.968	ug/l	#	78
38) Carbon Tetrachloride	8.376	117	3563	1.045	ug/l	#	93
39) Methylcyclohexane	9.606	83	4981	1.046	ug/l	#	90
40) Benzene	8.612	78	12498	1.100	ug/l		100
41) Methacrylonitrile	7.782	41	2799	1.127	ug/l		89
42) 1,2-Dichloroethane	8.682	62	3725	1.081	ug/l		82
43) Isopropyl Acetate	8.694	43	7673	1.081	ug/l	#	96
44) Trichloroethene	9.365	130	2822	1.047	ug/l		71
45) 1,2-Dichloropropane	9.629	63	2883	1.043	ug/l		95

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086862.D
Acq On : 06 Jun 2025 12:44
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 07 01:54:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	Dibromomethane	9.712	93	1835	0.999	ug/l		94
47)	Bromodichloromethane	9.888	83	4017	1.063	ug/l	#	96
48)	Methyl methacrylate	9.688	41	3492	1.069	ug/l		88
49)	1,4-Dioxane	9.706	88	1004	16.891	ug/l	#	74
51)	4-Methyl-2-Pentanone	10.453	43	19886	4.653	ug/l		99
52)	Toluene	10.635	92	7227	1.041	ug/l		95
53)	t-1,3-Dichloropropene	10.841	75	4494	1.064	ug/l		97
54)	cis-1,3-Dichloropropene	10.312	75	4792	1.060	ug/l		97
55)	1,1,2-Trichloroethane	11.023	97	2828	1.058	ug/l		89
56)	Ethyl methacrylate	10.882	69	3406	0.800	ug/l	#	85
57)	1,3-Dichloropropane	11.170	76	5062	1.092	ug/l		98
58)	2-Chloroethyl Vinyl ether	10.165	63	10924	4.304	ug/l		97
59)	2-Hexanone	11.235	43	12295m	4.466	ug/l		
60)	Dibromochloromethane	11.359	129	2843	1.021	ug/l		96
61)	1,2-Dibromoethane	11.470	107	2777	1.014	ug/l		96
64)	Tetrachloroethene	11.106	164	2473	1.123	ug/l		94
65)	Chlorobenzene	11.894	112	8581	1.118	ug/l	#	87
66)	1,1,1,2-Tetrachloroethane	11.959	131	2523	1.023	ug/l	#	63
67)	Ethyl Benzene	11.970	91	13845	1.047	ug/l		94
68)	m/p-Xylenes	12.070	106	10163	2.008	ug/l		95
69)	o-Xylene	12.400	106	4970	1.025	ug/l		93
70)	Styrene	12.417	104	8189	0.987	ug/l		98
71)	Bromoform	12.582	173	1508	0.825	ug/l	#	78
73)	Isopropylbenzene	12.694	105	12938	1.061	ug/l		98
74)	N-amyl acetate	12.647	43	4608m	1.138	ug/l		
75)	1,1,2,2-Tetrachloroethane	12.935	83	4326	1.047	ug/l	#	93
76)	1,2,3-Trichloropropane	13.000	75	4343m	1.088	ug/l		
77)	Bromobenzene	12.982	156	2913	1.042	ug/l		96
78)	n-propylbenzene	13.035	91	15168	1.023	ug/l		98
79)	2-Chlorotoluene	13.123	91	9550	1.074	ug/l		97
80)	1,3,5-Trimethylbenzene	13.170	105	10058	0.999	ug/l		96
82)	4-Chlorotoluene	13.223	91	9706	1.079	ug/l		96
83)	tert-Butylbenzene	13.435	119	9849	1.069	ug/l		98
84)	1,2,4-Trimethylbenzene	13.482	105	9882	0.979	ug/l		99
85)	sec-Butylbenzene	13.617	105	13775	1.029	ug/l		100
86)	p-Isopropyltoluene	13.729	119	11065	1.000	ug/l		97
87)	1,3-Dichlorobenzene	13.735	146	5903	1.073	ug/l		94
88)	1,4-Dichlorobenzene	13.811	146	6094m	1.086	ug/l		
89)	n-Butylbenzene	14.058	91	11627	1.085	ug/l		94
90)	Hexachloroethane	14.329	117	1942	1.036	ug/l		93
91)	1,2-Dichlorobenzene	14.106	146	5607	1.061	ug/l		99
92)	1,2-Dibromo-3-Chloropr...	14.717	75	1136	1.150	ug/l		78
93)	1,2,4-Trichlorobenzene	15.388	180	3489	1.034	ug/l		98
94)	Hexachlorobutadiene	15.500	225	1219	0.969	ug/l		88
95)	Naphthalene	15.635	128	12789	1.018	ug/l		98
96)	1,2,3-Trichlorobenzene	15.835	180	3594	1.072	ug/l		96

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

ICAL Form

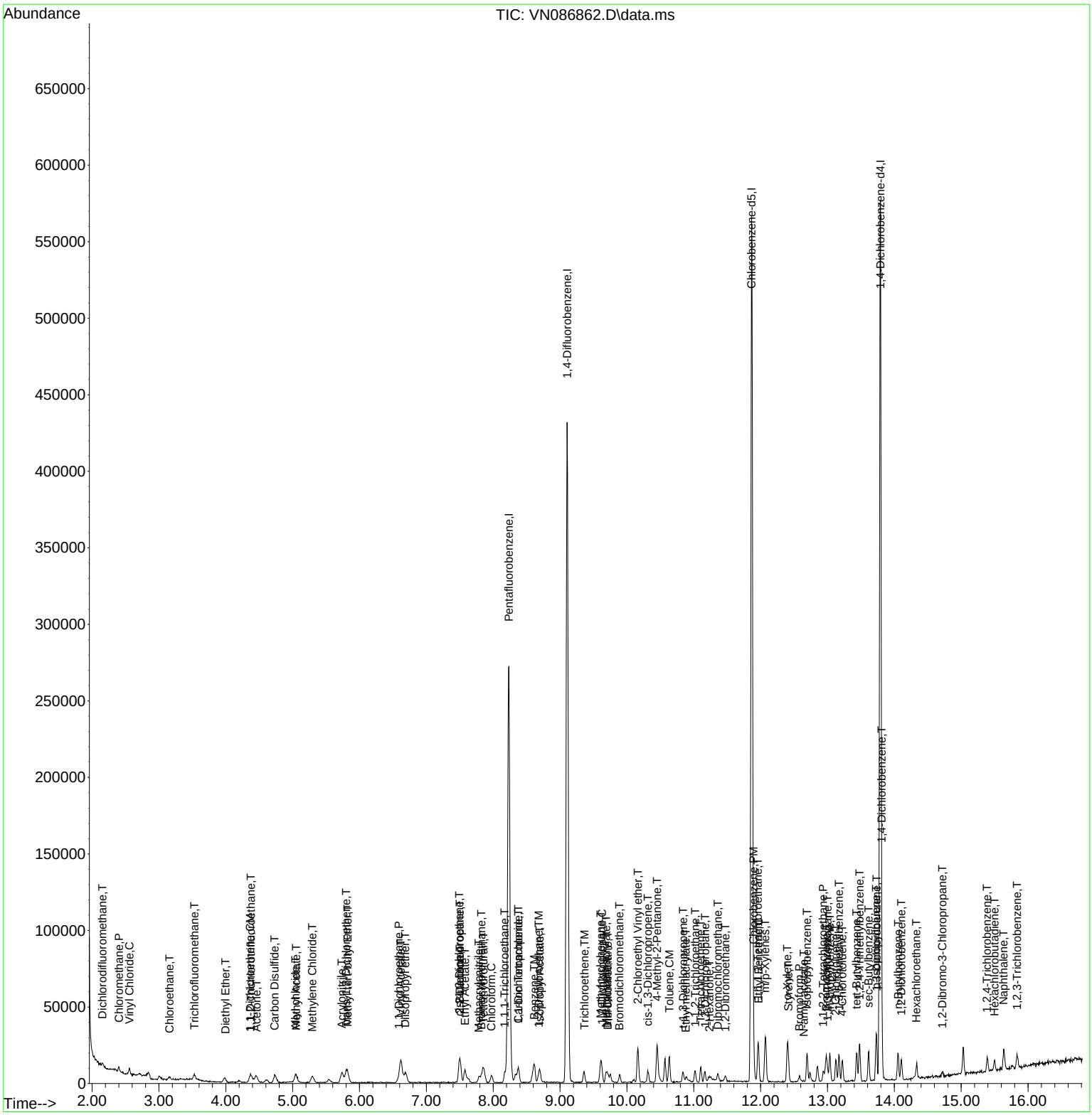
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086862.D
Acq On : 06 Jun 2025 12:44
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 07 01:54:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086863.D
Acq On : 06 Jun 2025 13:17
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	229701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	423980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	371851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	181065	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	16818	5.468	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.940%#		
35) Dibromofluoromethane	8.177	113	12867	5.121	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.240%#		
50) Toluene-d8	10.571	98	52794	5.308	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.620%#		
62) 4-Bromofluorobenzene	12.847	95	18697	5.059	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	10.120%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	10196	4.452	ug/l	93
3) Chloromethane	2.395	50	15025	5.080	ug/l	98
4) Vinyl Chloride	2.554	62	15384	5.043	ug/l	97
5) Bromomethane	2.989	94	8606	5.041	ug/l	97
6) Chloroethane	3.154	64	10190	5.171	ug/l	96
7) Trichlorofluoromethane	3.518	101	20740	5.203	ug/l	99
8) Diethyl Ether	3.971	74	9121	5.252	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.401	101	13034	5.205	ug/l	97
10) Methyl Iodide	4.606	142	16530	5.092	ug/l	98
11) Tert butyl alcohol	5.542	59	22000	26.363	ug/l	99
12) 1,1-Dichloroethene	4.359	96	13610	5.323	ug/l	94
13) Acrolein	4.195	56	8401	31.804	ug/l	99
14) Allyl chloride	5.042	41	20925	4.935	ug/l	99
15) Acrylonitrile	5.736	53	49826	25.545	ug/l	99
16) Acetone	4.448	43	41981	25.741	ug/l	99
17) Carbon Disulfide	4.736	76	37246	5.267	ug/l	97
18) Methyl Acetate	5.048	43	24096	5.070	ug/l	97
19) Methyl tert-butyl Ether	5.812	73	46823	5.058	ug/l	95
20) Methylene Chloride	5.300	84	15809	5.178	ug/l	96
21) trans-1,2-Dichloroethene	5.806	96	15480	5.442	ug/l #	81
22) Diisopropyl ether	6.689	45	46396	5.191	ug/l	99
23) Vinyl Acetate	6.618	43	194334	25.735	ug/l	100
24) 1,1-Dichloroethane	6.583	63	26473	5.147	ug/l	99
25) 2-Butanone	7.494	43	68629	25.888	ug/l	99
26) 2,2-Dichloropropane	7.500	77	18288	4.571	ug/l	100
27) cis-1,2-Dichloroethene	7.500	96	17594	5.172	ug/l	98
28) Bromochloromethane	7.830	49	12958	5.124	ug/l #	97
29) Tetrahydrofuran	7.853	42	44749	25.912	ug/l	98
30) Chloroform	7.977	83	26450	5.149	ug/l	95
31) Cyclohexane	8.271	56	29938	6.002	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	22857	5.232	ug/l #	50
36) 1,1-Dichloropropene	8.377	75	19410	5.184	ug/l	98
37) Ethyl Acetate	7.571	43	26073	5.470	ug/l	97
38) Carbon Tetrachloride	8.371	117	19056	5.184	ug/l	99
39) Methylcyclohexane	9.606	83	27353	5.333	ug/l	95
40) Benzene	8.612	78	63646	5.199	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086863.D
Acq On : 06 Jun 2025 13:17
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.783	41	13518	5.050	ug/l		99
42) 1,2-Dichloroethane	8.683	62	19329	5.205	ug/l		98
43) Isopropyl Acetate	8.700	43	40268	5.264	ug/l		98
44) Trichloroethene	9.359	130	15245	5.251	ug/l		96
45) 1,2-Dichloropropane	9.624	63	15632	5.248	ug/l		99
46) Dibromomethane	9.718	93	10241	5.176	ug/l		99
47) Bromodichloromethane	9.888	83	20512	5.039	ug/l		97
48) Methyl methacrylate	9.688	41	17591	4.996	ug/l		94
49) 1,4-Dioxane	9.700	88	6141	95.874	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.447	43	116434	25.283	ug/l		97
52) Toluene	10.630	92	38744	5.178	ug/l		99
53) t-1,3-Dichloropropene	10.841	75	22285	4.896	ug/l		98
54) cis-1,3-Dichloropropene	10.318	75	24477	5.026	ug/l		93
55) 1,1,2-Trichloroethane	11.018	97	15068	5.234	ug/l		97
56) Ethyl methacrylate	10.888	69	21893	4.774	ug/l		95
57) 1,3-Dichloropropane	11.165	76	25452	5.096	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.165	63	64722	23.664	ug/l		98
59) 2-Hexanone	11.212	43	59884	20.188	ug/l		99
60) Dibromochloromethane	11.359	129	14884	4.962	ug/l		98
61) 1,2-Dibromoethane	11.471	107	15172	5.141	ug/l		99
64) Tetrachloroethene	11.106	164	12322	5.236	ug/l		92
65) Chlorobenzene	11.894	112	42195	5.145	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.965	131	13897	5.271	ug/l		97
67) Ethyl Benzene	11.965	91	73443	5.199	ug/l		97
68) m/p-Xylenes	12.071	106	55859	10.330	ug/l		100
69) o-Xylene	12.400	106	26004	5.021	ug/l		96
70) Styrene	12.412	104	44380	5.008	ug/l		98
71) Bromoform	12.582	173	9890	5.063	ug/l	#	96
73) Isopropylbenzene	12.694	105	67878	5.146	ug/l		100
74) N-amyl acetate	12.559	43	20096m	4.590	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.935	83	23516	5.262	ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	21527m	4.986	ug/l		
77) Bromobenzene	12.976	156	15485	5.119	ug/l		92
78) n-propylbenzene	13.035	91	83781	5.226	ug/l		99
79) 2-Chlorotoluene	13.124	91	49297	5.128	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	55961	5.139	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.741	75	9234	4.939	ug/l		94
82) 4-Chlorotoluene	13.223	91	49924	5.132	ug/l		100
83) tert-Butylbenzene	13.435	119	50874	5.103	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	56525	5.176	ug/l		100
85) sec-Butylbenzene	13.618	105	74711	5.161	ug/l		99
86) p-Isopropyltoluene	13.729	119	62016	5.182	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	30949	5.200	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	32342	5.330	ug/l		96
89) n-Butylbenzene	14.053	91	59601	5.142	ug/l		99
90) Hexachloroethane	14.335	117	9725	4.794	ug/l		95
91) 1,2-Dichlorobenzene	14.106	146	29897	5.228	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	5731	5.363	ug/l		93
93) 1,2,4-Trichlorobenzene	15.394	180	18778	5.143	ug/l		99
94) Hexachlorobutadiene	15.500	225	7072	5.199	ug/l		99
95) Naphthalene	15.641	128	67481	4.965	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	18262	5.034	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086863.D
Acq On : 06 Jun 2025 13:17
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

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

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

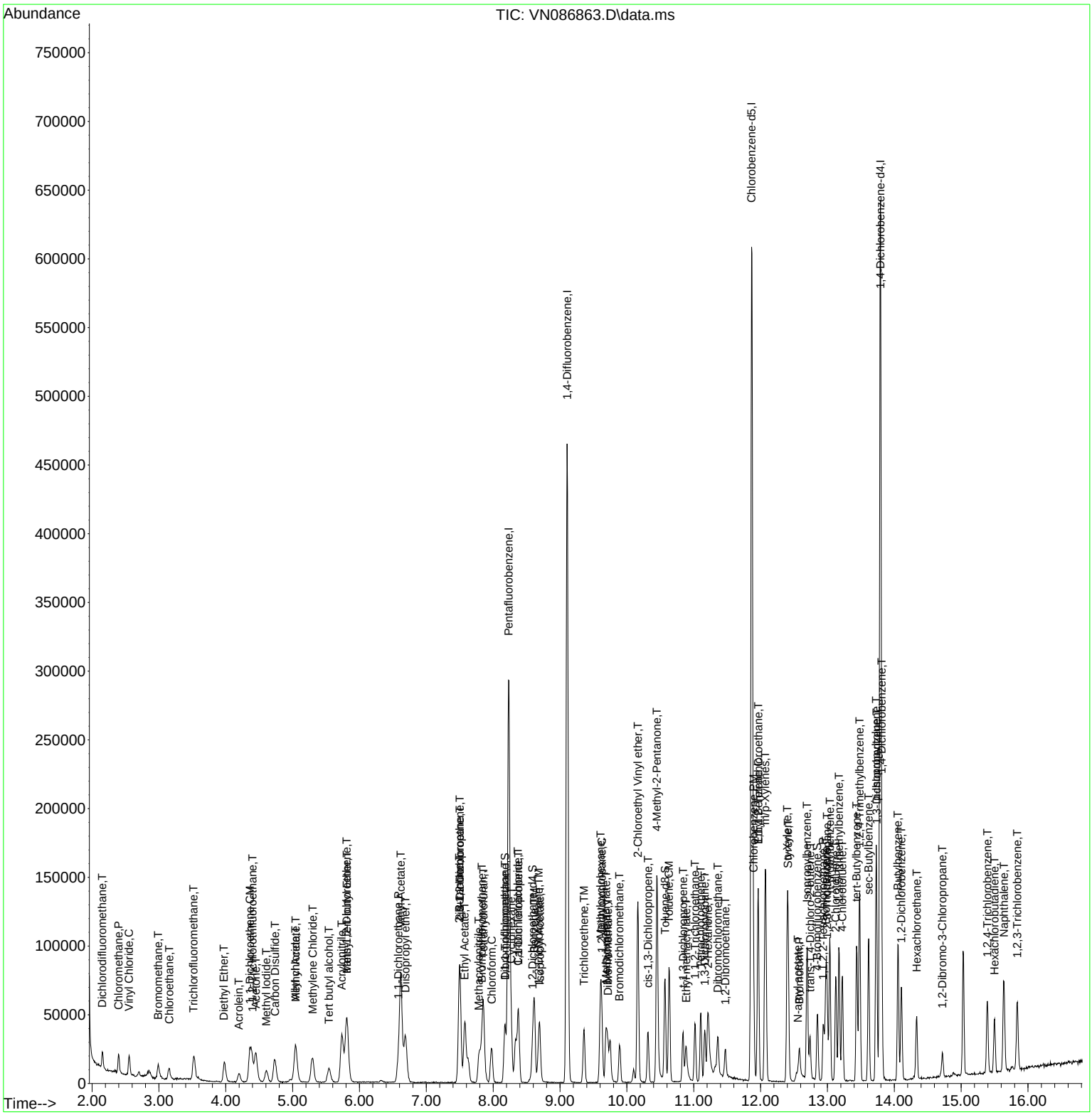
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086863.D
Acq On : 06 Jun 2025 13:17
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 07 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086864.D
Acq On : 06 Jun 2025 13:40
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	224006	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	418154	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	363172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	181178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	63390	21.136	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	42.280%#		
35) Dibromofluoromethane	8.177	113	51797	20.902	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	41.800%#		
50) Toluene-d8	10.571	98	201268	20.516	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	41.040%#		
62) 4-Bromofluorobenzene	12.853	95	74622	20.474	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	40.940%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.159	85	48254	21.605	ug/l	92
3) Chloromethane	2.401	50	57778	20.033	ug/l	93
4) Vinyl Chloride	2.559	62	61254	20.589	ug/l	99
5) Bromomethane	3.006	94	34022	20.435	ug/l	95
6) Chloroethane	3.159	64	39625	20.619	ug/l	99
7) Trichlorofluoromethane	3.524	101	80978	20.832	ug/l	94
8) Diethyl Ether	3.983	74	34288	20.245	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.395	101	50458	20.661	ug/l	98
10) Methyl Iodide	4.612	142	65360	20.646	ug/l	98
11) Tert butyl alcohol	5.547	59	87102	107.031	ug/l	99
12) 1,1-Dichloroethene	4.359	96	50485	20.249	ug/l	96
13) Acrolein	4.200	56	22866	88.767	ug/l	97
14) Allyl chloride	5.047	41	82924	20.055	ug/l	98
15) Acrylonitrile	5.742	53	199498	104.881	ug/l	99
16) Acetone	4.447	43	163979	103.099	ug/l	98
17) Carbon Disulfide	4.736	76	138195	20.038	ug/l	97
18) Methyl Acetate	5.047	43	96547	20.830	ug/l	99
19) Methyl tert-butyl Ether	5.818	73	183780	20.358	ug/l	98
20) Methylene Chloride	5.294	84	57611	19.348	ug/l	98
21) trans-1,2-Dichloroethene	5.806	96	55643	20.059	ug/l	94
22) Diisopropyl ether	6.689	45	182472	20.935	ug/l	98
23) Vinyl Acetate	6.624	43	768556	104.365	ug/l	99
24) 1,1-Dichloroethane	6.583	63	103578	20.650	ug/l	99
25) 2-Butanone	7.494	43	270477	104.621	ug/l	100
26) 2,2-Dichloropropane	7.506	77	69692	17.862	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	68292	20.585	ug/l	98
28) Bromochloromethane	7.824	49	55196	22.381	ug/l	99
29) Tetrahydrofuran	7.853	42	178571	106.031	ug/l	99
30) Chloroform	7.977	83	102615	20.485	ug/l	93
31) Cyclohexane	8.271	56	100026	20.563	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	86810	20.376	ug/l	98
36) 1,1-Dichloropropene	8.383	75	73252	19.838	ug/l	100
37) Ethyl Acetate	7.571	43	96467	20.522	ug/l	98
38) Carbon Tetrachloride	8.377	117	72628	20.034	ug/l	97
39) Methylcyclohexane	9.606	83	98425	19.455	ug/l	99
40) Benzene	8.612	78	241444	19.996	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086864.D
Acq On : 06 Jun 2025 13:40
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 07 01:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.788	41	53244	20.169	ug/l		98
42) 1,2-Dichloroethane	8.677	62	74238	20.270	ug/l		100
43) Isopropyl Acetate	8.694	43	151601	20.094	ug/l		99
44) Trichloroethene	9.359	130	57110	19.946	ug/l		96
45) 1,2-Dichloropropane	9.630	63	59293	20.184	ug/l		97
46) Dibromomethane	9.712	93	40290	20.648	ug/l		98
47) Bromodichloromethane	9.894	83	80353	20.015	ug/l		98
48) Methyl methacrylate	9.682	41	70457	20.290	ug/l		97
49) 1,4-Dioxane	9.706	88	28231	446.886	ug/l	#	98
51) 4-Methyl-2-Pentanone	10.447	43	481741	106.066	ug/l		99
52) Toluene	10.635	92	148000	20.056	ug/l		98
53) t-1,3-Dichloropropene	10.841	75	87683	19.532	ug/l		99
54) cis-1,3-Dichloropropene	10.318	75	94315	19.636	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	57195	20.143	ug/l		99
56) Ethyl methacrylate	10.882	69	94829	20.968	ug/l		98
57) 1,3-Dichloropropane	11.165	76	98205	19.938	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.165	63	278986	103.426	ug/l		99
59) 2-Hexanone	11.206	43	303686	103.803	ug/l		95
60) Dibromochloromethane	11.359	129	59961	20.268	ug/l		99
61) 1,2-Dibromoethane	11.471	107	59139	20.320	ug/l		97
64) Tetrachloroethene	11.106	164	45374	19.742	ug/l		96
65) Chlorobenzene	11.894	112	160803	20.076	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	52069	20.223	ug/l		99
67) Ethyl Benzene	11.965	91	277087	20.083	ug/l		98
68) m/p-Xylenes	12.071	106	215378	40.780	ug/l		100
69) o-Xylene	12.400	106	102050	20.175	ug/l		98
70) Styrene	12.412	104	178061	20.572	ug/l		99
71) Bromoform	12.576	173	40070	21.004	ug/l	#	99
73) Isopropylbenzene	12.694	105	264442	20.035	ug/l		100
74) N-amyl acetate	12.523	43	86003	19.633	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.941	83	92264	20.634	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	81846m	18.945	ug/l		
77) Bromobenzene	12.982	156	60877	20.111	ug/l		98
78) n-propylbenzene	13.035	91	322436	20.102	ug/l		100
79) 2-Chlorotoluene	13.123	91	193774	20.144	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	219937	20.183	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	37808	20.209	ug/l		92
82) 4-Chlorotoluene	13.223	91	193544	19.885	ug/l		99
83) tert-Butylbenzene	13.435	119	198303	19.880	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	221990	20.315	ug/l		100
85) sec-Butylbenzene	13.617	105	292563	20.196	ug/l		100
86) p-Isopropyltoluene	13.729	119	240682	20.099	ug/l		100
87) 1,3-Dichlorobenzene	13.735	146	120099	20.166	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	120102	19.780	ug/l		97
89) n-Butylbenzene	14.053	91	227536	19.617	ug/l		100
90) Hexachloroethane	14.335	117	41202	20.299	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	115645	20.212	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	21025	19.661	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	71826	19.659	ug/l		98
94) Hexachlorobutadiene	15.500	225	27887	20.486	ug/l		97
95) Naphthalene	15.641	128	272584	20.043	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	71929	19.815	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086864.D
Acq On : 06 Jun 2025 13:40
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

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

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

ICAL Form

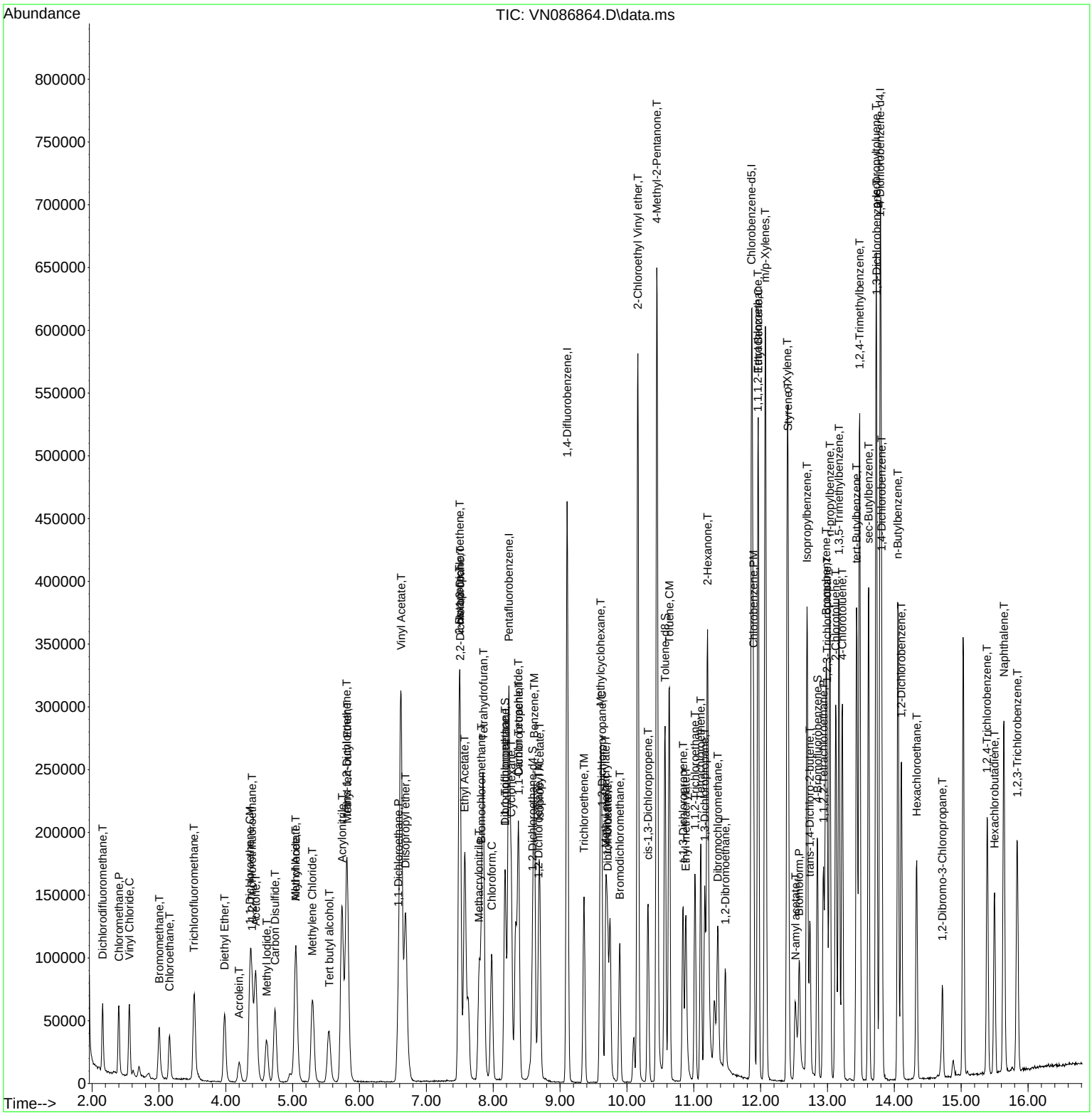
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086864.D
Acq On : 06 Jun 2025 13:40
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 07 01:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086865.D
Acq On : 06 Jun 2025 14:03
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:57:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.236	168	207354	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	378587	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	332766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	167532	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	103736	37.366	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 74.740%			
35) Dibromofluoromethane	8.171	113	83058	37.020	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 74.040%#			
50) Toluene-d8	10.571	98	326105	36.716	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 73.440%#			
62) 4-Bromofluorobenzene	12.847	95	122965	37.264	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 74.520%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	103958	50.283	ug/l	100
3) Chloromethane	2.395	50	123866	46.397	ug/l	100
4) Vinyl Chloride	2.554	62	132783	48.215	ug/l	100
5) Bromomethane	2.995	94	73974	47.999	ug/l	100
6) Chloroethane	3.154	64	84505	47.504	ug/l	100
7) Trichlorofluoromethane	3.524	101	172860	48.041	ug/l	100
8) Diethyl Ether	3.983	74	75193	47.963	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.395	101	107695	47.640	ug/l	100
10) Methyl Iodide	4.606	142	141678	48.346	ug/l	100
11) Tert butyl alcohol	5.548	59	182315	242.020	ug/l	100
12) 1,1-Dichloroethene	4.359	96	110549	47.900	ug/l	100
13) Acrolein	4.201	56	47026	197.217	ug/l	100
14) Allyl chloride	5.042	41	179313	46.848	ug/l	100
15) Acrylonitrile	5.742	53	421941	239.638	ug/l	100
16) Acetone	4.448	43	333857	226.765	ug/l	100
17) Carbon Disulfide	4.730	76	295753	46.328	ug/l	100
18) Methyl Acetate	5.042	43	204538	47.673	ug/l	100
19) Methyl tert-butyl Ether	5.812	73	400775	47.960	ug/l	100
20) Methylene Chloride	5.295	84	125498	45.531	ug/l	100
21) trans-1,2-Dichloroethene	5.806	96	117660	45.822	ug/l	100
22) Diisopropyl ether	6.689	45	384939	47.711	ug/l	100
23) Vinyl Acetate	6.618	43	1649023	241.910	ug/l	100
24) 1,1-Dichloroethane	6.583	63	220477	47.485	ug/l	100
25) 2-Butanone	7.494	43	571221	238.693	ug/l	100
26) 2,2-Dichloropropane	7.500	77	187567	51.933	ug/l	100
27) cis-1,2-Dichloroethene	7.500	96	144911	47.189	ug/l	100
28) Bromochloromethane	7.824	49	96707	42.362	ug/l	100
29) Tetrahydrofuran	7.853	42	371357	238.210	ug/l	100
30) Chloroform	7.977	83	220093	47.467	ug/l	100
31) Cyclohexane	8.271	56	208105	46.217	ug/l	100
32) 1,1,1-Trichloroethane	8.177	97	185502	47.037	ug/l	100
36) 1,1-Dichloropropene	8.377	75	158341	47.362	ug/l	100
37) Ethyl Acetate	7.577	43	203091	47.720	ug/l	100
38) Carbon Tetrachloride	8.371	117	154677	47.126	ug/l	100
39) Methylcyclohexane	9.606	83	215849	47.126	ug/l	100
40) Benzene	8.612	78	509334	46.590	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086865.D
Acq On : 06 Jun 2025 14:03
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:57:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.789	41	114727	48.000	ug/l		100
42) 1,2-Dichloroethane	8.677	62	155713	46.960	ug/l		100
43) Isopropyl Acetate	8.694	43	322741	47.248	ug/l		100
44) Trichloroethene	9.359	130	123847	47.776	ug/l		100
45) 1,2-Dichloropropane	9.630	63	125673	47.251	ug/l		100
46) Dibromomethane	9.718	93	83811	47.442	ug/l		100
47) Bromodichloromethane	9.894	83	173200	47.651	ug/l		100
48) Methyl methacrylate	9.683	41	149019	47.399	ug/l		100
49) 1,4-Dioxane	9.700	88	59060	1032.607	ug/l	#	100
51) 4-Methyl-2-Pentanone	10.447	43	1017688	247.484	ug/l		100
52) Toluene	10.635	92	316219	47.331	ug/l		100
53) t-1,3-Dichloropropene	10.841	75	197475	48.587	ug/l		100
54) cis-1,3-Dichloropropene	10.318	75	208523	47.950	ug/l		100
55) 1,1,2-Trichloroethane	11.018	97	121969	47.445	ug/l		100
56) Ethyl methacrylate	10.882	69	210467	51.401	ug/l		100
57) 1,3-Dichloropropane	11.165	76	212243	47.593	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.165	63	519139	212.570	ug/l		100
59) 2-Hexanone	11.200	43	696567	262.977	ug/l		100
60) Dibromochloromethane	11.359	129	128715	48.056	ug/l		100
61) 1,2-Dibromoethane	11.471	107	124522	47.258	ug/l		100
64) Tetrachloroethene	11.106	164	97679	46.382	ug/l		100
65) Chlorobenzene	11.894	112	340439	46.386	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.965	131	112333	47.615	ug/l		100
67) Ethyl Benzene	11.965	91	597593	47.271	ug/l		100
68) m/p-Xylenes	12.071	106	466620	96.424	ug/l		100
69) o-Xylene	12.400	106	224299	48.395	ug/l		100
70) Styrene	12.412	104	386596	48.745	ug/l		100
71) Bromoform	12.582	173	88127	50.415	ug/l	#	100
73) Isopropylbenzene	12.694	105	573905	47.023	ug/l		100
74) N-amyl acetate	12.512	43	212064	52.353	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.941	83	197360	47.732	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	196473m	49.183	ug/l		
77) Bromobenzene	12.982	156	132381	47.296	ug/l		100
78) n-propylbenzene	13.035	91	705524	47.567	ug/l		100
79) 2-Chlorotoluene	13.124	91	419986	47.216	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	485499	48.181	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	79732	46.089	ug/l		100
82) 4-Chlorotoluene	13.224	91	424066	47.117	ug/l		100
83) tert-Butylbenzene	13.435	119	438417	47.531	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	488189	48.314	ug/l		100
85) sec-Butylbenzene	13.618	105	641523	47.893	ug/l		100
86) p-Isopropyltoluene	13.729	119	533366	48.169	ug/l		100
87) 1,3-Dichlorobenzene	13.735	146	260310	47.269	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	263358	46.907	ug/l		100
89) n-Butylbenzene	14.053	91	512519	47.787	ug/l		100
90) Hexachloroethane	14.335	117	89896	47.896	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	251235	47.486	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.718	75	45535	46.049	ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	162374	48.061	ug/l		100
94) Hexachlorobutadiene	15.500	225	60866	48.356	ug/l		100
95) Naphthalene	15.641	128	603088	47.958	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	159113	47.402	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086865.D
Acq On : 06 Jun 2025 14:03
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:57:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

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

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

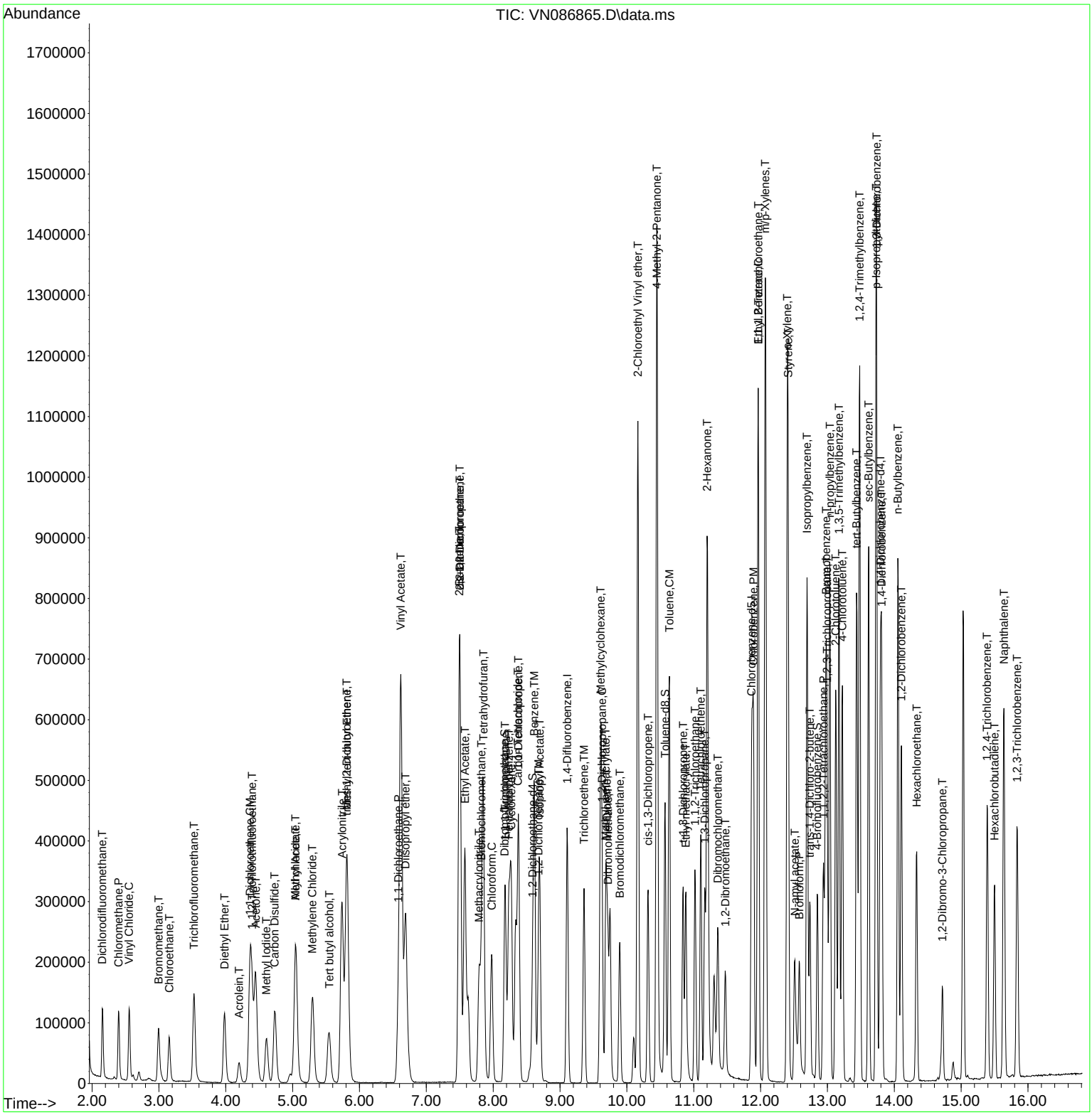
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086865.D
Acq On : 06 Jun 2025 14:03
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 07 01:57:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086866.D
Acq On : 06 Jun 2025 14:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	181996	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	327782	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	290313	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	147098	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	238957	98.065	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 196.120%#			
35) Dibromofluoromethane	8.177	113	195212	100.495	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 200.980%#			
50) Toluene-d8	10.570	98	772210	100.419	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 200.840%#			
62) 4-Bromofluorobenzene	12.847	95	292385	102.339	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 204.680%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	194799	107.350	ug/l	100
3) Chloromethane	2.395	50	224558	95.833	ug/l	98
4) Vinyl Chloride	2.553	62	245135	101.414	ug/l	98
5) Bromomethane	2.977	94	137967	101.996	ug/l	99
6) Chloroethane	3.147	64	152150	97.447	ug/l	97
7) Trichlorofluoromethane	3.524	101	312394	98.917	ug/l	99
8) Diethyl Ether	3.983	74	139844	101.631	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.389	101	198739	100.163	ug/l	99
10) Methyl Iodide	4.612	142	262771	102.162	ug/l	99
11) Tert butyl alcohol	5.547	59	327987	496.062	ug/l	99
12) 1,1-Dichloroethene	4.359	96	200212	98.838	ug/l	99
13) Acrolein	4.200	56	94171	449.961	ug/l	98
14) Allyl chloride	5.047	41	329412	98.055	ug/l	99
15) Acrylonitrile	5.735	53	770470	498.552	ug/l	99
16) Acetone	4.447	43	608178	470.648	ug/l	98
17) Carbon Disulfide	4.736	76	544511	97.179	ug/l	100
18) Methyl Acetate	5.047	43	381808	101.390	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	735694	100.306	ug/l	100
20) Methylene Chloride	5.294	84	228800	94.575	ug/l	97
21) trans-1,2-Dichloroethene	5.806	96	215177	95.476	ug/l	99
22) Diisopropyl ether	6.688	45	696881	98.409	ug/l	98
23) Vinyl Acetate	6.618	43	2919350	487.936	ug/l	100
24) 1,1-Dichloroethane	6.588	63	404207	99.186	ug/l	99
25) 2-Butanone	7.494	43	1043385	496.743	ug/l	100
26) 2,2-Dichloropropane	7.500	77	331995	104.729	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	265248	98.410	ug/l	99
28) Bromochloromethane	7.824	49	188050	93.851	ug/l	99
29) Tetrahydrofuran	7.847	42	677636	495.240	ug/l	99
30) Chloroform	7.977	83	394927	97.040	ug/l	99
31) Cyclohexane	8.265	56	374933	94.869	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	336819	97.306	ug/l	99
36) 1,1-Dichloropropene	8.382	75	289907	100.156	ug/l	99
37) Ethyl Acetate	7.571	43	370652	100.591	ug/l	99
38) Carbon Tetrachloride	8.371	117	285325	100.404	ug/l	98
39) Methylcyclohexane	9.606	83	395603	99.758	ug/l	99
40) Benzene	8.612	78	927083	97.946	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086866.D
Acq On : 06 Jun 2025 14:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 07 01:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.794	41	195946	94.688	ug/l		95
42) 1,2-Dichloroethane	8.676	62	282015	98.232	ug/l		100
43) Isopropyl Acetate	8.694	43	579464	97.981	ug/l		99
44) Trichloroethene	9.359	130	222822	99.280	ug/l		97
45) 1,2-Dichloropropane	9.629	63	230454	100.077	ug/l		98
46) Dibromomethane	9.712	93	155530	101.685	ug/l		99
47) Bromodichloromethane	9.894	83	316375	100.533	ug/l		100
48) Methyl methacrylate	9.682	41	275710	101.288	ug/l		99
49) 1,4-Dioxane	9.706	88	104771	2115.744	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.447	43	1843274	517.729	ug/l		99
52) Toluene	10.635	92	578978	100.092	ug/l		100
53) t-1,3-Dichloropropene	10.841	75	359200	102.077	ug/l		99
54) cis-1,3-Dichloropropene	10.318	75	383030	101.730	ug/l		99
55) 1,1,2-Trichloroethane	11.017	97	219922	98.808	ug/l		98
56) Ethyl methacrylate	10.882	69	389802	109.955	ug/l		99
57) 1,3-Dichloropropane	11.165	76	382510	99.069	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.165	63	1113523	526.621	ug/l		100
59) 2-Hexanone	11.200	43	1301539	567.535	ug/l		99
60) Dibromochloromethane	11.359	129	237965	102.616	ug/l		100
61) 1,2-Dibromoethane	11.470	107	232214	101.787	ug/l		98
64) Tetrachloroethene	11.106	164	181568	98.824	ug/l		94
65) Chlorobenzene	11.894	112	632563	98.793	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	206895	100.521	ug/l		100
67) Ethyl Benzene	11.964	91	1110803	100.717	ug/l		99
68) m/p-Xylenes	12.070	106	854557	202.411	ug/l		99
69) o-Xylene	12.400	106	412719	102.070	ug/l		100
70) Styrene	12.412	104	713548	103.127	ug/l		100
71) Bromoform	12.576	173	165781	108.707	ug/l	#	99
73) Isopropylbenzene	12.694	105	1065297	99.410	ug/l		100
74) N-amyl acetate	12.506	43	403587	113.475	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.941	83	354386	97.616	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	353334m	100.738	ug/l		
77) Bromobenzene	12.982	156	246413	100.266	ug/l		99
78) n-propylbenzene	13.035	91	1301631	99.948	ug/l		100
79) 2-Chlorotoluene	13.123	91	770308	98.630	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	901317	101.873	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	160736	105.820	ug/l		92
82) 4-Chlorotoluene	13.223	91	783657	99.166	ug/l		100
83) tert-Butylbenzene	13.435	119	807528	99.710	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	904794	101.983	ug/l		100
85) sec-Butylbenzene	13.617	105	1182155	100.513	ug/l		99
86) p-Isopropyltoluene	13.729	119	990273	101.857	ug/l		100
87) 1,3-Dichlorobenzene	13.735	146	474162	98.063	ug/l		100
88) 1,4-Dichlorobenzene	13.811	146	483003	97.978	ug/l		99
89) n-Butylbenzene	14.053	91	937913	99.598	ug/l		100
90) Hexachloroethane	14.335	117	169772	103.019	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	458049	98.602	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	83243	95.877	ug/l		96
93) 1,2,4-Trichlorobenzene	15.394	180	298870	100.751	ug/l		99
94) Hexachlorobutadiene	15.500	225	112496	101.789	ug/l		98
95) Naphthalene	15.641	128	1129434	102.290	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	294127	99.796	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086866.D
Acq On : 06 Jun 2025 14:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

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

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

ICAL Form

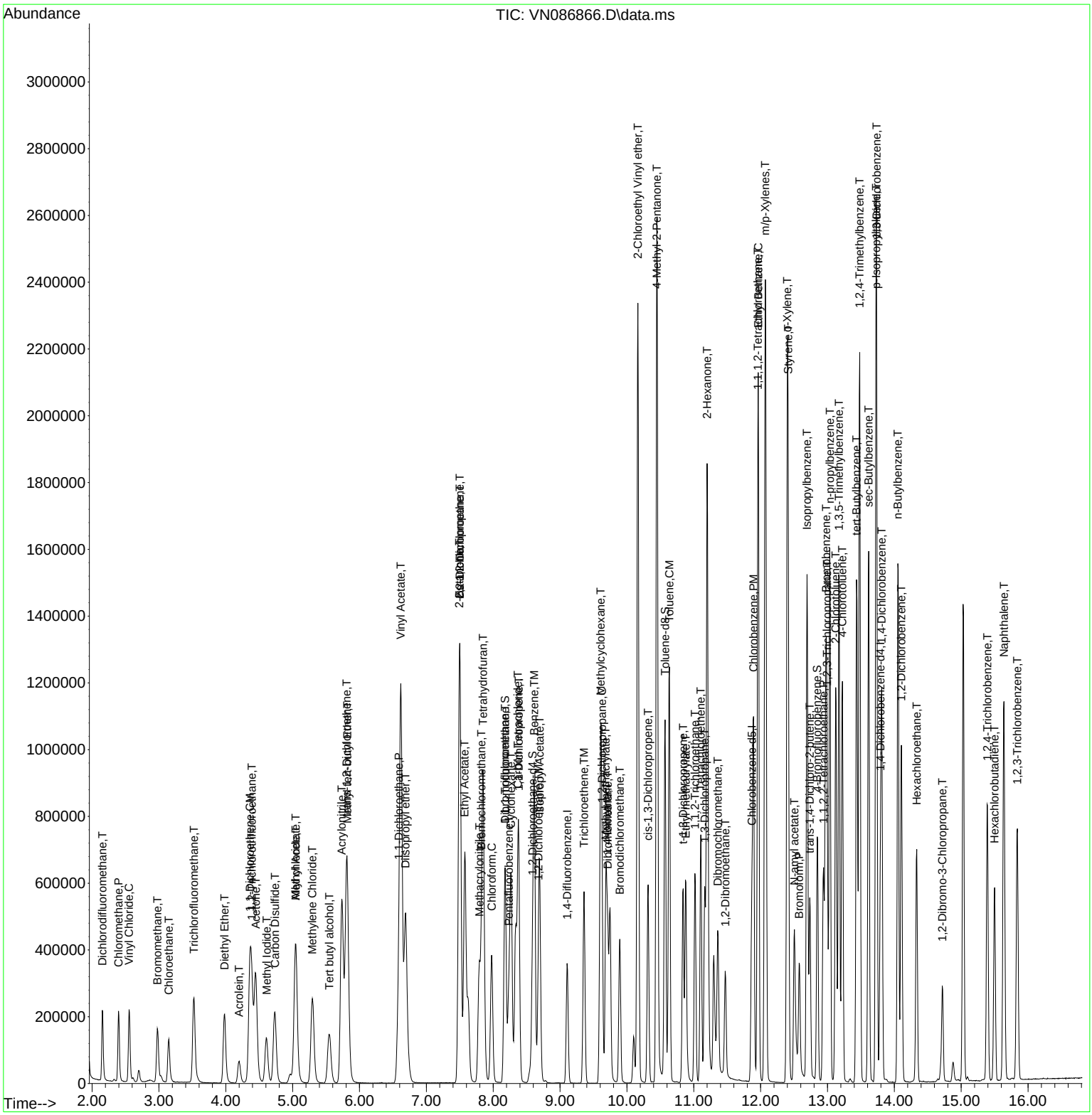
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086866.D
Acq On : 06 Jun 2025 14:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 07 01:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086867.D
Acq On : 06 Jun 2025 14:49
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:59:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	172832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	307937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	278552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	136630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	389297	168.233	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 336.460%#			
35) Dibromofluoromethane	8.176	113	324474	177.803	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 355.600%#			
50) Toluene-d8	10.570	98	1272348	176.120	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 352.240%#			
62) 4-Bromofluorobenzene	12.847	95	481421	179.364	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 358.720%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	262143	152.122	ug/l	100
3) Chloromethane	2.394	50	304558	136.865	ug/l	100
4) Vinyl Chloride	2.553	62	335834	146.303	ug/l	100
5) Bromomethane	2.965	94	190786	148.522	ug/l	98
6) Chloroethane	3.136	64	208568	140.664	ug/l	96
7) Trichlorofluoromethane	3.518	101	427871	142.666	ug/l	100
8) Diethyl Ether	3.983	74	191555	146.593	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.388	101	269810	143.192	ug/l	100
10) Methyl Iodide	4.606	142	352020	144.118	ug/l	99
11) Tert butyl alcohol	5.553	59	430866	686.213	ug/l	100
12) 1,1-Dichloroethene	4.353	96	273388	142.118	ug/l	98
13) Acrolein	4.194	56	171625	863.526	ug/l	99
14) Allyl chloride	5.035	41	490852	153.858	ug/l	92
15) Acrylonitrile	5.735	53	1048372	714.344	ug/l	99
16) Acetone	4.447	43	819041	667.435	ug/l	100
17) Carbon Disulfide	4.730	76	742788	139.594	ug/l	100
18) Methyl Acetate	5.041	43	523996	146.527	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	998781	143.396	ug/l	99
20) Methylene Chloride	5.300	84	311597	135.628	ug/l	99
21) trans-1,2-Dichloroethene	5.806	96	290960	135.947	ug/l	97
22) Diisopropyl ether	6.688	45	947638	140.915	ug/l	98
23) Vinyl Acetate	6.618	43	3932872	692.189	ug/l	99
24) 1,1-Dichloroethane	6.582	63	540881	139.761	ug/l	99
25) 2-Butanone	7.494	43	1381940	692.809	ug/l	99
26) 2,2-Dichloropropane	7.500	77	450112	149.519	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	363398	141.974	ug/l	99
28) Bromochloromethane	7.824	49	290594	152.718	ug/l	98
29) Tetrahydrofuran	7.847	42	898159	691.211	ug/l	98
30) Chloroform	7.976	83	534038	138.179	ug/l	97
31) Cyclohexane	8.265	56	505795	134.766	ug/l	96
32) 1,1,1-Trichloroethane	8.176	97	462854	140.807	ug/l	99
36) 1,1-Dichloropropene	8.376	75	393166	144.584	ug/l	100
37) Ethyl Acetate	7.571	43	494000	142.706	ug/l	99
38) Carbon Tetrachloride	8.371	117	388595	145.557	ug/l	98
39) Methylcyclohexane	9.606	83	544437	146.136	ug/l	97
40) Benzene	8.612	78	1266139	142.388	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086867.D
Acq On : 06 Jun 2025 14:49
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 07 01:59:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.788	41	276400	142.174 ug/l	98
42) 1,2-Dichloroethane	8.676	62	381516	141.455 ug/l	100
43) Isopropyl Acetate	8.694	43	780791	140.531 ug/l	99
44) Trichloroethene	9.359	130	302548	143.490 ug/l	96
45) 1,2-Dichloropropane	9.623	63	309047	142.856 ug/l	100
46) Dibromomethane	9.712	93	208461	145.074 ug/l	100
47) Bromodichloromethane	9.894	83	430011	145.449 ug/l	100
48) Methyl methacrylate	9.688	41	366967	143.502 ug/l	99
49) 1,4-Dioxane	9.712	88	138035	2967.116 ug/l #	100
51) 4-Methyl-2-Pentanone	10.447	43	2438311	728.995 ug/l	98
52) Toluene	10.635	92	793270	145.976 ug/l	100
53) t-1,3-Dichloropropene	10.841	75	489809	148.163 ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	518092	146.469 ug/l	99
55) 1,1,2-Trichloroethane	11.017	97	298151	142.588 ug/l	99
56) Ethyl methacrylate	10.876	69	533912	160.311 ug/l	98
57) 1,3-Dichloropropane	11.165	76	516391	142.363 ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	1869543	941.147 ug/l	99
59) 2-Hexanone	11.200	43	1735777	805.662 ug/l	99
60) Dibromochloromethane	11.365	129	322064	147.832 ug/l	98
61) 1,2-Dibromoethane	11.470	107	314606	146.790 ug/l	99
64) Tetrachloroethene	11.106	164	245122	139.048 ug/l	97
65) Chlorobenzene	11.894	112	860345	140.041 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	282739	143.171 ug/l	99
67) Ethyl Benzene	11.964	91	1517883	143.438 ug/l	98
68) m/p-Xylenes	12.070	106	1175378	290.155 ug/l	99
69) o-Xylene	12.400	106	566301	145.966 ug/l	100
70) Styrene	12.411	104	972318	146.459 ug/l	100
71) Bromoform	12.582	173	223200	152.538 ug/l #	99
73) Isopropylbenzene	12.694	105	1453651	146.042 ug/l	100
74) N-amyl acetate	12.500	43	543747	164.596 ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.941	83	474426	140.693 ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	468041m	143.665 ug/l	
77) Bromobenzene	12.982	156	335734	147.077 ug/l	98
78) n-propylbenzene	13.035	91	1769694	146.301 ug/l	99
79) 2-Chlorotoluene	13.123	91	1046916	144.317 ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	1210325	147.279 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	216253	153.277 ug/l	95
82) 4-Chlorotoluene	13.223	91	1063581	144.900 ug/l	100
83) tert-Butylbenzene	13.435	119	1093406	145.352 ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	1216529	147.626 ug/l	100
85) sec-Butylbenzene	13.617	105	1582762	144.885 ug/l	99
86) p-Isopropyltoluene	13.729	119	1322780	146.482 ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	641966	142.939 ug/l	100
88) 1,4-Dichlorobenzene	13.811	146	646188	141.124 ug/l	99
89) n-Butylbenzene	14.053	91	1251819	143.117 ug/l	100
90) Hexachloroethane	14.335	117	230195	150.387 ug/l	98
91) 1,2-Dichlorobenzene	14.105	146	613177	142.108 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	110677	137.242 ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	407621	147.940 ug/l	99
94) Hexachlorobutadiene	15.500	225	151172	147.264 ug/l	98
95) Naphthalene	15.641	128	1545981	150.743 ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	404450	147.743 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086867.D
Acq On : 06 Jun 2025 14:49
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:59:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

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

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

ICAL Form

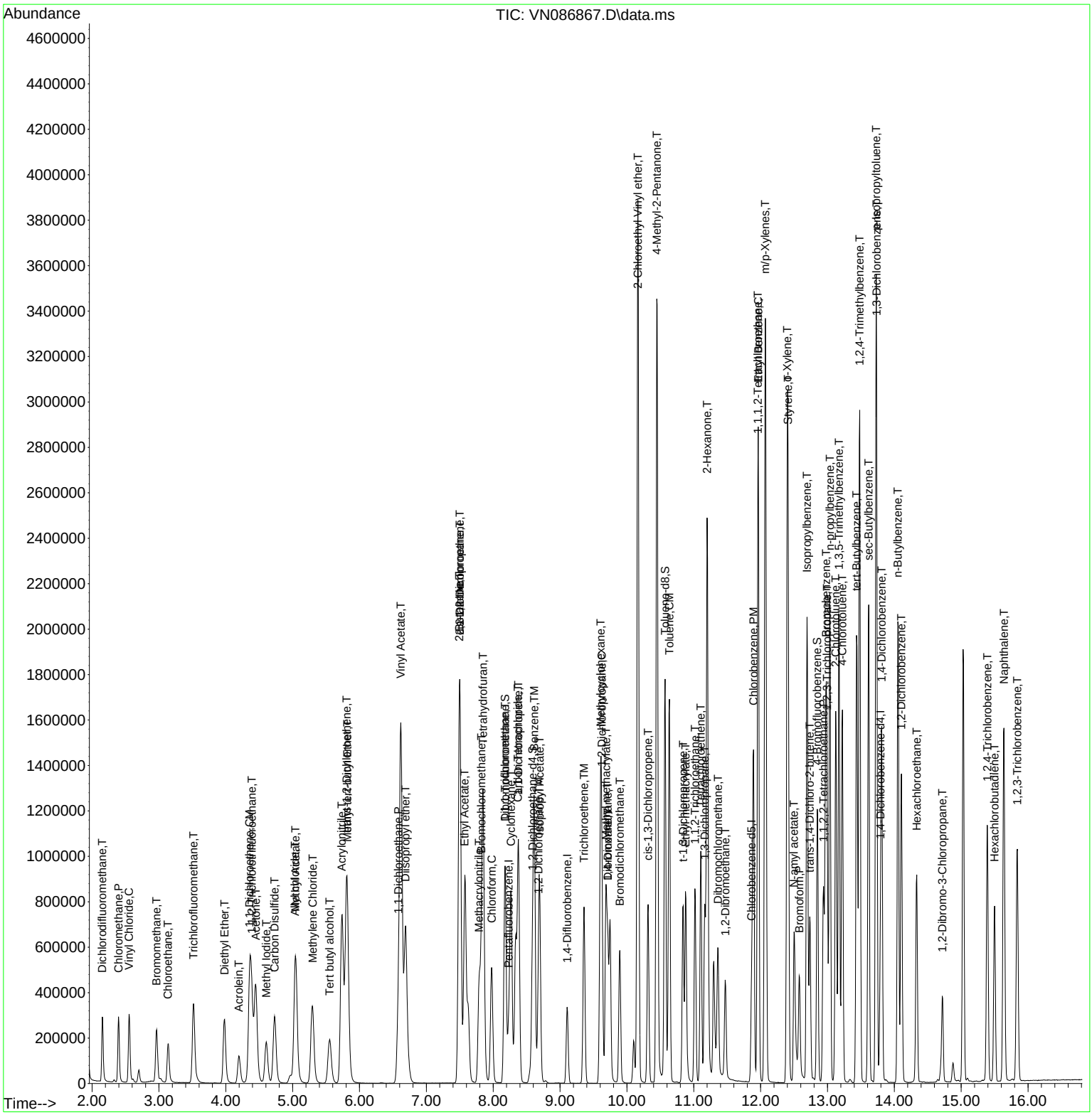
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086867.D
Acq On : 06 Jun 2025 14:49
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 07 01:59:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	218122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	394140	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	348935	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	172710	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	152255	52.135	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.260%			
35) Dibromofluoromethane	8.177	113	127102	54.416	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.840%			
50) Toluene-d8	10.571	98	491265	53.129	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.260%			
62) 4-Bromofluorobenzene	12.847	95	185792	54.081	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.160%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	120237	55.286	ug/l	99
3) Chloromethane	2.401	50	139027	49.505	ug/l	99
4) Vinyl Chloride	2.554	62	151951	52.451	ug/l	99
5) Bromomethane	2.989	94	89638	55.292	ug/l	95
6) Chloroethane	3.154	64	95654	51.117	ug/l	96
7) Trichlorofluoromethane	3.524	101	196138	51.819	ug/l	97
8) Diethyl Ether	3.983	74	87405	53.001	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.395	101	127498	53.615	ug/l	99
10) Methyl Iodide	4.612	142	164080	53.227	ug/l	97
11) Tert butyl alcohol	5.542	59	207768	262.193	ug/l	99
12) 1,1-Dichloroethene	4.359	96	125461	51.678	ug/l	99
13) Acrolein	4.195	56	60336	240.545	ug/l	98
14) Allyl chloride	5.042	41	203344	50.504	ug/l	98
15) Acrylonitrile	5.736	53	479502	258.885	ug/l	100
16) Acetone	4.448	43	382146	246.750	ug/l	98
17) Carbon Disulfide	4.736	76	339466	50.550	ug/l	100
18) Methyl Acetate	5.042	43	234290	51.912	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	454641	51.720	ug/l	100
20) Methylene Chloride	5.295	84	143862	49.617	ug/l	97
21) trans-1,2-Dichloroethene	5.806	96	133535	49.437	ug/l	99
22) Diisopropyl ether	6.689	45	440080	51.853	ug/l	99
23) Vinyl Acetate	6.618	43	1828919	255.055	ug/l	99
24) 1,1-Dichloroethane	6.589	63	251473	51.487	ug/l	98
25) 2-Butanone	7.494	43	644194	255.897	ug/l	99
26) 2,2-Dichloropropane	7.500	77	216678	57.031	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	164985	51.073	ug/l	99
28) Bromochloromethane	7.824	49	108810	45.310	ug/l	99
29) Tetrahydrofuran	7.847	42	420891	256.656	ug/l	100
30) Chloroform	7.977	83	248429	50.933	ug/l	97
31) Cyclohexane	8.265	56	237836	50.212	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	209927	50.603	ug/l	97
36) 1,1-Dichloropropene	8.377	75	181414	52.123	ug/l	99
37) Ethyl Acetate	7.571	43	222090	50.125	ug/l	99
38) Carbon Tetrachloride	8.371	117	179281	52.466	ug/l	98
39) Methylcyclohexane	9.606	83	251231	52.686	ug/l	98
40) Benzene	8.612	78	579667	50.931	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.789	41	130903	52.607	ug/l		100
42) 1,2-Dichloroethane	8.677	62	177746	51.489	ug/l		100
43) Isopropyl Acetate	8.694	43	359378	50.536	ug/l		100
44) Trichloroethene	9.359	130	139763	51.788	ug/l		100
45) 1,2-Dichloropropane	9.624	63	142463	51.450	ug/l		99
46) Dibromomethane	9.712	93	97199	52.849	ug/l		98
47) Bromodichloromethane	9.894	83	196104	51.824	ug/l		100
48) Methyl methacrylate	9.688	41	168001	51.328	ug/l		98
49) 1,4-Dioxane	9.706	88	66102	1110.123	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.447	43	1146622	267.835	ug/l		99
52) Toluene	10.635	92	361963	52.040	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	224839	53.137	ug/l		99
54) cis-1,3-Dichloropropene	10.318	75	237774	52.519	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	137998	51.562	ug/l		99
56) Ethyl methacrylate	10.882	69	241649	56.688	ug/l		98
57) 1,3-Dichloropropane	11.165	76	238572	51.386	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.165	63	625479	246.006	ug/l		100
59) 2-Hexanone	11.200	43	781717	283.478	ug/l		100
60) Dibromochloromethane	11.359	129	146749	52.627	ug/l		99
61) 1,2-Dibromoethane	11.471	107	142338	51.887	ug/l		99
64) Tetrachloroethene	11.106	164	111409	50.450	ug/l		98
65) Chlorobenzene	11.894	112	391661	50.892	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	129045	52.164	ug/l		99
67) Ethyl Benzene	11.965	91	683879	51.590	ug/l		98
68) m/p-Xylenes	12.071	106	527293	103.912	ug/l		98
69) o-Xylene	12.400	106	254600	52.387	ug/l		100
70) Styrene	12.412	104	438751	52.758	ug/l		99
71) Bromoform	12.582	173	100357	54.751	ug/l	#	99
73) Isopropylbenzene	12.694	105	652045	51.823	ug/l		100
74) N-amyl acetate	12.506	43	238355	54.212	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.941	83	220643	51.763	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	220957m	53.821	ug/l		
77) Bromobenzene	12.982	156	150950	52.313	ug/l		100
78) n-propylbenzene	13.035	91	801180	52.397	ug/l		100
79) 2-Chlorotoluene	13.123	91	473629	51.650	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	548347	52.787	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	99341	55.702	ug/l		97
82) 4-Chlorotoluene	13.223	91	481403	51.884	ug/l		99
83) tert-Butylbenzene	13.441	119	499519	52.532	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	552333	53.024	ug/l		100
85) sec-Butylbenzene	13.618	105	723986	52.428	ug/l		100
86) p-Isopropyltoluene	13.729	119	606979	53.174	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	290810	51.224	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	298412	51.557	ug/l		100
89) n-Butylbenzene	14.059	91	579636	52.424	ug/l		100
90) Hexachloroethane	14.335	117	102254	52.847	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	280025	51.340	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	50115	49.161	ug/l		98
93) 1,2,4-Trichlorobenzene	15.394	180	181064	51.986	ug/l		99
94) Hexachlorobutadiene	15.500	225	68570	52.843	ug/l		99
95) Naphthalene	15.641	128	674187	52.005	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	174888	50.539	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

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

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

ICAL Form

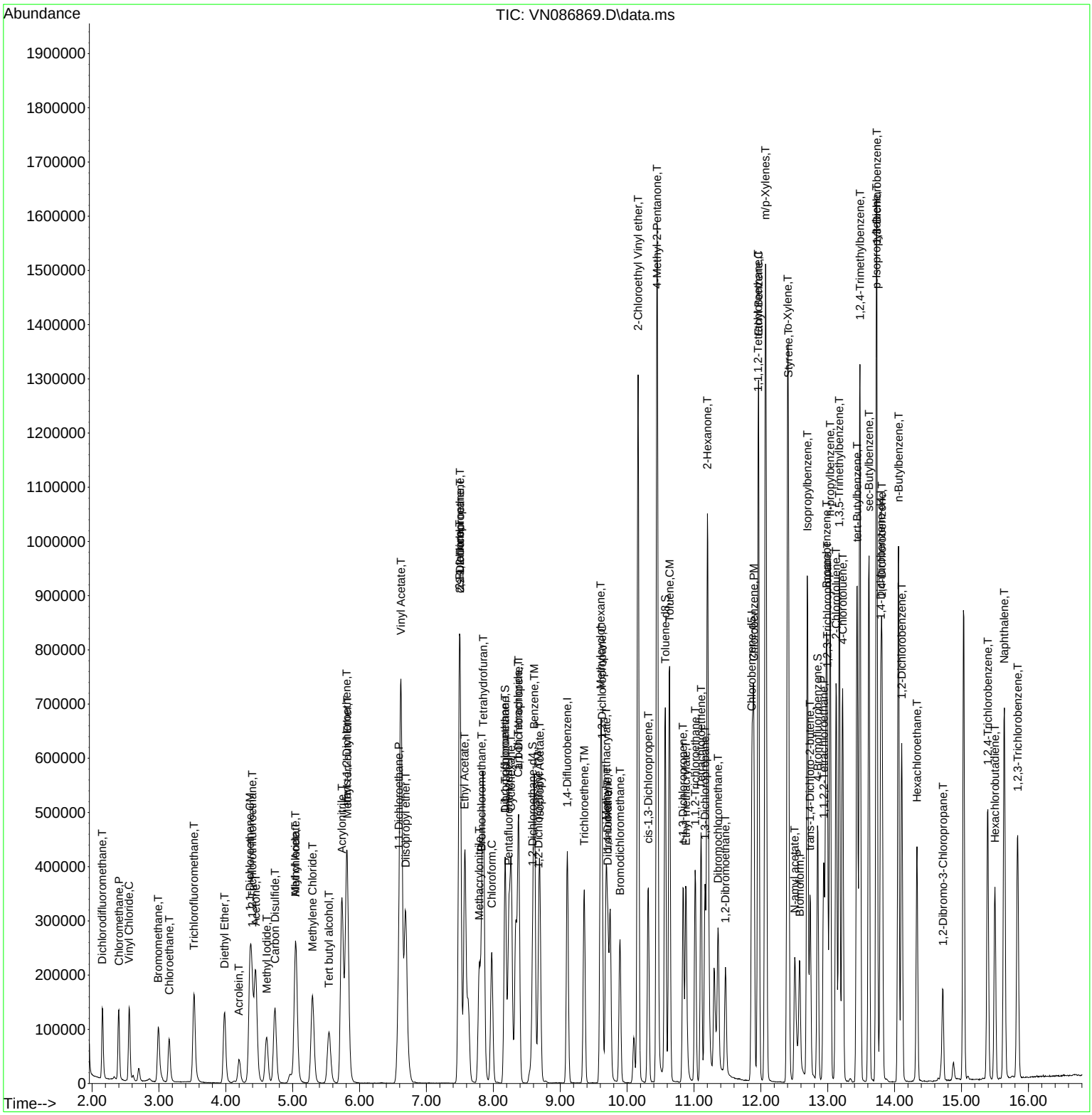
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	105	0.00
2	T	Dichlorodifluoromethane	0.499	0.551	-10.4	116	0.00
3	P	Chloromethane	0.644	0.637	1.1	112	0.00
4	C	Vinyl Chloride	0.664	0.697	-5.0#	114	0.00
5	T	Bromomethane	0.372	0.411	-10.5	121	0.00
6	T	Chloroethane	0.429	0.439	-2.3	113	0.00
7	T	Trichlorofluoromethane	0.868	0.899	-3.6	113	0.00
8	T	Diethyl Ether	0.378	0.401	-6.1	116	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.545	0.585	-7.3	118	0.00
10	T	Methyl Iodide	0.707	0.752	-6.4	116	0.00
11	T	Tert butyl alcohol	0.182	0.191	-4.9	114	0.00
12	CM	1,1-Dichloroethene	0.557	0.575	-3.2#	113	0.00
13	T	Acrolein	0.057	0.055	3.5	128	0.00
14	T	Allyl chloride	0.923	0.932	-1.0	113	0.00
15	T	Acrylonitrile	0.425	0.440	-3.5	114	0.00
16	T	Acetone	0.355	0.350	1.4	114	0.00
17	T	Carbon Disulfide	1.539	1.556	-1.1	115	0.00
18	T	Methyl Acetate	1.035	1.074	-3.8	115	0.00
19	T	Methyl tert-butyl Ether	2.015	2.084	-3.4	113	0.00
20	T	Methylene Chloride	0.665	0.660	0.8	115	0.00
21	T	trans-1,2-Dichloroethene	0.619	0.612	1.1	113	0.00
22	T	Diisopropyl ether	1.945	2.018	-3.8	114	0.00
23	T	Vinyl Acetate	1.644	1.677	-2.0	111	0.00
24	P	1,1-Dichloroethane	1.120	1.153	-2.9	114	0.00
25	T	2-Butanone	0.577	0.591	-2.4	113	0.00
26	T	2,2-Dichloropropane	0.871	0.993	-14.0	116	0.00
27	T	cis-1,2-Dichloroethene	0.740	0.756	-2.2	114	0.00
28	T	Bromochloromethane	0.550	0.499	9.3	113	0.00
29	T	Tetrahydrofuran	0.376	0.386	-2.7	113	0.00
30	C	Chloroform	1.118	1.139	-1.9#	113	0.00
31	T	Cyclohexane	1.086	1.090	-0.4	114	0.00
32	T	1,1,1-Trichloroethane	0.951	0.962	-1.2	113	0.00
33	S	1,2-Dichloroethane-d4	0.669	0.698	-4.3	147	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
35	S	Dibromofluoromethane	0.296	0.322	-8.8	153#	0.00
36	T	1,1-Dichloropropene	0.442	0.460	-4.1	115	0.00
37	T	Ethyl Acetate	0.562	0.563	-0.2	109	0.00
38	T	Carbon Tetrachloride	0.433	0.455	-5.1	116	0.00
39	T	Methylcyclohexane	0.605	0.637	-5.3	116	0.00
40	TM	Benzene	1.444	1.471	-1.9	114	0.00
41	T	Methacrylonitrile	0.316	0.332	-5.1	114	0.00
42	TM	1,2-Dichloroethane	0.438	0.451	-3.0	114	0.00
43	T	Isopropyl Acetate	0.902	0.912	-1.1	111	0.00
44	TM	Trichloroethene	0.342	0.355	-3.8	113	0.00
45	C	1,2-Dichloropropane	0.351	0.361	-2.8#	113	0.00
46	T	Dibromomethane	0.233	0.247	-6.0	116	0.00
47	T	Bromodichloromethane	0.480	0.498	-3.8	113	0.00
48	T	Methyl methacrylate	0.415	0.426	-2.7	113	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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	0.008	0.008	0.0	112	0.00
50	S	Toluene-d8	1.173	1.246	-6.2	151#	0.00
51	T	4-Methyl-2-Pentanone	0.543	0.582	-7.2	113	0.00
52	CM	Toluene	0.882	0.918	-4.1#	114	0.00
53	T	t-1,3-Dichloropropene	0.537	0.570	-6.1	114	0.00
54	T	cis-1,3-Dichloropropene	0.574	0.603	-5.1	114	0.00
55	T	1,1,2-Trichloroethane	0.340	0.350	-2.9	113	0.00
56	T	Ethyl methacrylate	0.541	0.613	-13.3	115	0.00
57	T	1,3-Dichloropropane	0.589	0.605	-2.7	112	0.00
58	T	2-Chloroethyl Vinyl ether	0.323	0.317	1.9	120	0.00
59	T	2-Hexanone	0.350	0.397	-13.4	112	0.00
60	T	Dibromochloromethane	0.354	0.372	-5.1	114	0.00
61	T	1,2-Dibromoethane	0.348	0.361	-3.7	114	0.00
62	S	4-Bromofluorobenzene	0.436	0.471	-8.0	151#	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
64	T	Tetrachloroethene	0.316	0.319	-0.9	114	0.00
65	PM	Chlorobenzene	1.103	1.122	-1.7	115	0.00
66	T	1,1,1,2-Tetrachloroethane	0.354	0.370	-4.5	115	0.00
67	C	Ethyl Benzene	1.899	1.960	-3.2#	114	0.00
68	T	m/p-Xylenes	0.727	0.756	-4.0	113	0.00
69	T	o-Xylene	0.696	0.730	-4.9	114	0.00
70	T	Styrene	1.192	1.257	-5.5	113	0.00
71	P	Bromoform	0.263	0.288	-9.5	114	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73	T	Isopropylbenzene	3.643	3.775	-3.6	114	0.00
74	T	N-amyl acetate	1.273	1.380	-8.4	112	0.00
75	P	1,1,2,2-Tetrachloroethane	1.234	1.278	-3.6	112	0.00
76	T	1,2,3-Trichloropropane	1.189	1.279	-7.6	112	0.00
77	T	Bromobenzene	0.835	0.874	-4.7	114	0.00
78	T	n-propylbenzene	4.427	4.639	-4.8	114	0.00
79	T	2-Chlorotoluene	2.655	2.742	-3.3	113	0.00
80	T	1,3,5-Trimethylbenzene	3.007	3.175	-5.6	113	0.00
81	T	trans-1,4-Dichloro-2-butene	0.516	0.575	-11.4	125	0.00
82	T	4-Chlorotoluene	2.686	2.787	-3.8	114	0.00
83	T	tert-Butylbenzene	2.753	2.892	-5.0	114	0.00
84	T	1,2,4-Trimethylbenzene	3.016	3.198	-6.0	113	0.00
85	T	sec-Butylbenzene	3.998	4.192	-4.9	113	0.00
86	T	p-Isopropyltoluene	3.305	3.514	-6.3	114	0.00
87	T	1,3-Dichlorobenzene	1.644	1.684	-2.4	112	0.00
88	T	1,4-Dichlorobenzene	1.676	1.728	-3.1	113	0.00
89	T	n-Butylbenzene	3.201	3.356	-4.8	113	0.00
90	T	Hexachloroethane	0.560	0.592	-5.7	114	0.00
91	T	1,2-Dichlorobenzene	1.579	1.621	-2.7	111	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.295	0.290	1.7	110	0.00
93	T	1,2,4-Trichlorobenzene	1.008	1.048	-4.0	112	0.00
94	T	Hexachlorobutadiene	0.376	0.397	-5.6	113	0.00
95	T	Naphthalene	3.753	3.904	-4.0	112	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.002	1.013	-1.1	110	0.00

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	105	0.00
2	T	Dichlorodifluoromethane	50.000	55.286	-10.6	116	0.00
3	P	Chloromethane	50.000	49.505	1.0	112	0.00
4	C	Vinyl Chloride	50.000	52.451	-4.9#	114	0.00
5	T	Bromomethane	50.000	55.292	-10.6	121	0.00
6	T	Chloroethane	50.000	51.117	-2.2	113	0.00
7	T	Trichlorofluoromethane	50.000	51.819	-3.6	113	0.00
8	T	Diethyl Ether	50.000	53.001	-6.0	116	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	53.615	-7.2	118	0.00
10	T	Methyl Iodide	50.000	53.227	-6.5	116	0.00
11	T	Tert butyl alcohol	250.000	262.193	-4.9	114	0.00
12	CM	1,1-Dichloroethene	50.000	51.678	-3.4#	113	0.00
13	T	Acrolein	250.000	240.545	3.8	128	0.00
14	T	Allyl chloride	50.000	50.504	-1.0	113	0.00
15	T	Acrylonitrile	250.000	258.885	-3.6	114	0.00
16	T	Acetone	250.000	246.750	1.3	114	0.00
17	T	Carbon Disulfide	50.000	50.550	-1.1	115	0.00
18	T	Methyl Acetate	50.000	51.912	-3.8	115	0.00
19	T	Methyl tert-butyl Ether	50.000	51.720	-3.4	113	0.00
20	T	Methylene Chloride	50.000	49.617	0.8	115	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.437	1.1	113	0.00
22	T	Diisopropyl ether	50.000	51.853	-3.7	114	0.00
23	T	Vinyl Acetate	250.000	255.055	-2.0	111	0.00
24	P	1,1-Dichloroethane	50.000	51.487	-3.0	114	0.00
25	T	2-Butanone	250.000	255.897	-2.4	113	0.00
26	T	2,2-Dichloropropane	50.000	57.031	-14.1	116	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.073	-2.1	114	0.00
28	T	Bromochloromethane	50.000	45.310	9.4	113	0.00
29	T	Tetrahydrofuran	250.000	256.656	-2.7	113	0.00
30	C	Chloroform	50.000	50.933	-1.9#	113	0.00
31	T	Cyclohexane	50.000	50.212	-0.4	114	0.00
32	T	1,1,1-Trichloroethane	50.000	50.603	-1.2	113	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.135	-4.3	147	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	104	0.00
35	S	Dibromofluoromethane	50.000	54.416	-8.8	153	0.00
36	T	1,1-Dichloropropene	50.000	52.123	-4.2	115	0.00
37	T	Ethyl Acetate	50.000	50.125	-0.3	109	0.00
38	T	Carbon Tetrachloride	50.000	52.466	-4.9	116	0.00
39	T	Methylcyclohexane	50.000	52.686	-5.4	116	0.00
40	TM	Benzene	50.000	50.931	-1.9	114	0.00
41	T	Methacrylonitrile	50.000	52.607	-5.2	114	0.00
42	TM	1,2-Dichloroethane	50.000	51.489	-3.0	114	0.00
43	T	Isopropyl Acetate	50.000	50.536	-1.1	111	0.00
44	TM	Trichloroethene	50.000	51.788	-3.6	113	0.00
45	C	1,2-Dichloropropane	50.000	51.450	-2.9#	113	0.00
46	T	Dibromomethane	50.000	52.849	-5.7	116	0.00
47	T	Bromodichloromethane	50.000	51.824	-3.6	113	0.00
48	T	Methyl methacrylate	50.000	51.328	-2.7	113	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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	1110.123	-11.0	112	0.00
50	S	Toluene-d8	50.000	53.129	-6.3	151	0.00
51	T	4-Methyl-2-Pentanone	250.000	267.835	-7.1	113	0.00
52	CM	Toluene	50.000	52.040	-4.1#	114	0.00
53	T	t-1,3-Dichloropropene	50.000	53.137	-6.3	114	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.519	-5.0	114	0.00
55	T	1,1,2-Trichloroethane	50.000	51.562	-3.1	113	0.00
56	T	Ethyl methacrylate	50.000	56.688	-13.4	115	0.00
57	T	1,3-Dichloropropane	50.000	51.386	-2.8	112	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	246.006	1.6	120	0.00
59	T	2-Hexanone	250.000	283.478	-13.4	112	0.00
60	T	Dibromochloromethane	50.000	52.627	-5.3	114	0.00
61	T	1,2-Dibromoethane	50.000	51.887	-3.8	114	0.00
62	S	4-Bromofluorobenzene	50.000	54.081	-8.2	151	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	105	0.00
64	T	Tetrachloroethene	50.000	50.450	-0.9	114	0.00
65	PM	Chlorobenzene	50.000	50.892	-1.8	115	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.164	-4.3	115	0.00
67	C	Ethyl Benzene	50.000	51.590	-3.2#	114	0.00
68	T	m/p-Xylenes	100.000	103.912	-3.9	113	0.00
69	T	o-Xylene	50.000	52.387	-4.8	114	0.00
70	T	Styrene	50.000	52.758	-5.5	113	0.00
71	P	Bromoform	50.000	54.751	-9.5	114	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73	T	Isopropylbenzene	50.000	51.823	-3.6	114	0.00
74	T	N-amyl acetate	50.000	54.212	-8.4	112	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.763	-3.5	112	0.00
76	T	1,2,3-Trichloropropane	50.000	53.821	-7.6	112	0.00
77	T	Bromobenzene	50.000	52.313	-4.6	114	0.00
78	T	n-propylbenzene	50.000	52.397	-4.8	114	0.00
79	T	2-Chlorotoluene	50.000	51.650	-3.3	113	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.787	-5.6	113	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	55.702	-11.4	125	0.00
82	T	4-Chlorotoluene	50.000	51.884	-3.8	114	0.00
83	T	tert-Butylbenzene	50.000	52.532	-5.1	114	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.024	-6.0	113	0.00
85	T	sec-Butylbenzene	50.000	52.428	-4.9	113	0.00
86	T	p-Isopropyltoluene	50.000	53.174	-6.3	114	0.00
87	T	1,3-Dichlorobenzene	50.000	51.224	-2.4	112	0.00
88	T	1,4-Dichlorobenzene	50.000	51.557	-3.1	113	0.00
89	T	n-Butylbenzene	50.000	52.424	-4.8	113	0.00
90	T	Hexachloroethane	50.000	52.847	-5.7	114	0.00
91	T	1,2-Dichlorobenzene	50.000	51.340	-2.7	111	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.161	1.7	110	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.986	-4.0	112	0.00
94	T	Hexachlorobutadiene	50.000	52.843	-5.7	113	0.00
95	T	Naphthalene	50.000	52.005	-4.0	112	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.539	-1.1	110	0.00

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

Raw Data: **VN086967.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GARD04

Lab Code: CHEM Case No.: Q2302 SAS No.: Q2302 SDG No.: Q2302

Instrument ID: MSVOA_N Calibration Date/Time: 06/12/2025 10:58

Lab File ID: VN086967.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.499	0.576		15.43	20
Chloromethane	0.644	0.587	0.1	-8.85	20
Vinyl Chloride	0.664	0.746		12.35	20
Bromomethane	0.372	0.317		-14.78	20
Chloroethane	0.429	0.484		12.82	20
Trichlorofluoromethane	0.868	0.981		13.02	20
1,1,2-Trichlorotrifluoroethane	0.545	0.621		13.94	20
1,1-Dichloroethene	0.557	0.625		12.21	20
Acetone	0.355	0.373		5.07	20
Carbon Disulfide	1.539	1.568		1.88	20
Methyl tert-butyl Ether	2.015	2.316		14.94	20
Methyl Acetate	1.035	1.190		14.98	20
Methylene Chloride	0.665	0.739		11.13	20
trans-1,2-Dichloroethene	0.619	0.666		7.59	20
1,1-Dichloroethane	1.120	1.268	0.1	13.21	20
Cyclohexane	1.086	1.055		-2.86	20
2-Butanone	0.577	0.613		6.24	20
Carbon Tetrachloride	0.433	0.487		12.47	20
cis-1,2-Dichloroethene	0.740	0.833		12.57	20
Bromochloromethane	0.550	0.496		-9.82	20
Chloroform	1.118	1.268		13.42	20
1,1,1-Trichloroethane	0.951	1.047		10.1	20
Methylcyclohexane	0.605	0.578		-4.46	20
Benzene	1.444	1.600		10.8	20
1,2-Dichloroethane	0.438	0.495		13.01	20
Trichloroethene	0.342	0.380		11.11	20
1,2-Dichloropropane	0.351	0.405		15.39	20
Bromodichloromethane	0.480	0.555		15.63	20
4-Methyl-2-Pentanone	0.543	0.618		13.81	20
Toluene	0.882	0.974		10.43	20
t-1,3-Dichloropropene	0.537	0.627		16.76	20
cis-1,3-Dichloropropene	0.574	0.665		15.85	20
1,1,2-Trichloroethane	0.340	0.395		16.18	20
2-Hexanone	0.350	0.411		17.43	20
Dibromochloromethane	0.354	0.423		19.49	20
1,2-Dibromoethane	0.348	0.400		14.94	20
Tetrachloroethene	0.316	0.332		5.06	20
Chlorobenzene	1.103	1.232	0.3	11.69	20

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

Raw Data: **VN086967.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GARD04

Lab Code: CHEM Case No.: Q2302 SAS No.: Q2302 SDG No.: Q2302

Instrument ID: MSVOA_N Calibration Date/Time: 06/12/2025 10:58

Lab File ID: VN086967.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.900	2.097		10.37	20
m/p-Xylenes	0.727	0.811		11.55	20
o-Xylene	0.696	0.792		13.79	20
Styrene	1.192	1.379		15.69	20
Bromoform	0.263	0.329	0.1	25.09	20
Isopropylbenzene	3.643	3.972		9.03	20
1,1,2,2-Tetrachloroethane	1.234	1.442	0.3	16.86	20
1,3-Dichlorobenzene	1.644	1.868		13.63	20
1,4-Dichlorobenzene	1.676	1.888		12.65	20
1,2-Dichlorobenzene	1.579	1.789		13.3	20
1,2-Dibromo-3-Chloropropane	0.295	0.321		8.81	20
1,2,4-Trichlorobenzene	1.008	1.070		6.15	20
1,2,3-Trichlorobenzene	1.002	1.031		2.89	20
1,2-Dichloroethane-d4	0.669	0.666		-0.45	20
Dibromofluoromethane	0.296	0.318		7.43	20
Toluene-d8	1.173	1.170		-0.26	20
4-Bromofluorobenzene	0.436	0.444		1.84	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\VN061225\
Data File : VN086967.D
Acq On : 12 Jun 2025 10:58
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 01:23:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	185417	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	334881	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	291913	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	144672	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	123469	49.735	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.480%			
35) Dibromofluoromethane	8.171	113	106483	53.655	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.320%			
50) Toluene-d8	10.570	98	391763	49.865	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.740%			
62) 4-Bromofluorobenzene	12.847	95	148573	50.900	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	106709	57.720	ug/l	98
3) Chloromethane	2.395	50	108810	45.579	ug/l	97
4) Vinyl Chloride	2.553	62	138275	56.150	ug/l	100
5) Bromomethane	2.983	94	58697	42.593	ug/l	95
6) Chloroethane	3.147	64	89753	56.423	ug/l	98
7) Trichlorofluoromethane	3.530	101	181868	56.525	ug/l	99
8) Diethyl Ether	3.983	74	80958	57.750	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.400	101	115215	56.996	ug/l	99
10) Methyl Iodide	4.612	142	78889	30.105	ug/l	98
11) Tert butyl alcohol	5.541	59	178010	264.263	ug/l	99
12) 1,1-Dichloroethene	4.365	96	115909	56.164	ug/l	96
13) Acrolein	4.200	56	261341	1225.680	ug/l	100
14) Allyl chloride	5.047	41	183070	53.489	ug/l	96
15) Acrylonitrile	5.736	53	446893	283.838	ug/l	99
16) Acetone	4.447	43	345411	262.370	ug/l	98
17) Carbon Disulfide	4.741	76	290732	50.929	ug/l	99
18) Methyl Acetate	5.041	43	220582	57.496	ug/l	98
19) Methyl tert-butyl Ether	5.818	73	429478	57.476	ug/l	98
20) Methylene Chloride	5.294	84	136978	55.575	ug/l	94
21) trans-1,2-Dichloroethene	5.806	96	123524	53.798	ug/l	93
22) Diisopropyl ether	6.683	45	404134	56.016	ug/l	96
23) Vinyl Acetate	6.618	43	1710420	280.603	ug/l	99
24) 1,1-Dichloroethane	6.583	63	235055	56.615	ug/l	99
25) 2-Butanone	7.494	43	568015	265.435	ug/l	99
26) 2,2-Dichloropropane	7.500	77	200155	61.975	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	154369	56.216	ug/l	100
28) Bromochloromethane	7.824	49	91966	45.051	ug/l	99
29) Tetrahydrofuran	7.847	42	375385	269.283	ug/l	97
30) Chloroform	7.977	83	235157	56.716	ug/l	99
31) Cyclohexane	8.265	56	195573	48.573	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	194080	55.035	ug/l	99
36) 1,1-Dichloropropene	8.377	75	163397	55.253	ug/l	99
37) Ethyl Acetate	7.571	43	214314	56.930	ug/l	99
38) Carbon Tetrachloride	8.371	117	163155	56.196	ug/l	98
39) Methylcyclohexane	9.606	83	193619	47.789	ug/l	97
40) Benzene	8.612	78	535810	55.408	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086967.D
Acq On : 12 Jun 2025 10:58
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 01:23:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.782	41	113014	53.455	ug/l		93
42) 1,2-Dichloroethane	8.677	62	165920	56.568	ug/l		100
43) Isopropyl Acetate	8.694	43	332658	55.056	ug/l		98
44) Trichloroethene	9.353	130	127367	55.546	ug/l		99
45) 1,2-Dichloropropane	9.623	63	135691	57.676	ug/l		99
46) Dibromomethane	9.712	93	91491	58.548	ug/l		99
47) Bromodichloromethane	9.888	83	185839	57.801	ug/l		99
48) Methyl methacrylate	9.682	41	151488	54.473	ug/l		97
49) 1,4-Dioxane	9.706	88	56863	1123.948	ug/l	#	98
51) 4-Methyl-2-Pentanone	10.447	43	1034245	284.335	ug/l		99
52) Toluene	10.629	92	326256	55.206	ug/l		99
53) t-1,3-Dichloropropene	10.841	75	209818	58.362	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	222616	57.872	ug/l		97
55) 1,1,2-Trichloroethane	11.018	97	132313	58.186	ug/l		97
56) Ethyl methacrylate	10.882	69	221650	61.197	ug/l		97
57) 1,3-Dichloropropane	11.165	76	225666	57.208	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.165	63	533435	246.931	ug/l		100
59) 2-Hexanone	11.200	43	688773	293.972	ug/l		94
60) Dibromochloromethane	11.359	129	141556	59.748	ug/l		99
61) 1,2-Dibromoethane	11.470	107	134048	57.512	ug/l		99
64) Tetrachloroethene	11.106	164	97041	52.528	ug/l		97
65) Chlorobenzene	11.894	112	359495	55.838	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	120876	58.407	ug/l		99
67) Ethyl Benzene	11.965	91	612202	55.204	ug/l		98
68) m/p-Xylenes	12.070	106	473273	111.485	ug/l		100
69) o-Xylene	12.400	106	231132	56.848	ug/l		98
70) Styrene	12.412	104	402406	57.840	ug/l		99
71) Bromoform	12.582	173	96167	62.714	ug/l	#	100
73) Isopropylbenzene	12.694	105	574574	54.516	ug/l		100
74) N-amyl acetate	12.512	43	198248	53.829	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.935	83	208578	58.416	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	178423m	51.884	ug/l		
77) Bromobenzene	12.982	156	140436	58.102	ug/l		100
78) n-propylbenzene	13.035	91	690637	53.921	ug/l		99
79) 2-Chlorotoluene	13.123	91	423429	55.125	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	472681	54.321	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.735	75	87946	58.870	ug/l		92
82) 4-Chlorotoluene	13.223	91	431259	55.488	ug/l		100
83) tert-Butylbenzene	13.435	119	426578	53.555	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	482611	55.309	ug/l		99
85) sec-Butylbenzene	13.617	105	597724	51.674	ug/l		99
86) p-Isopropyltoluene	13.729	119	502935	52.598	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	270297	56.838	ug/l		98
88) 1,4-Dichlorobenzene	13.811	146	273209	56.350	ug/l		100
89) n-Butylbenzene	14.053	91	460433	49.714	ug/l		100
90) Hexachloroethane	14.335	117	90778	56.009	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	258754	56.635	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	46385	54.321	ug/l		95
93) 1,2,4-Trichlorobenzene	15.394	180	154868	53.083	ug/l		99
94) Hexachlorobutadiene	15.500	225	46332	42.625	ug/l		98
95) Naphthalene	15.641	128	603897	55.611	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	149151	51.455	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086967.D
Acq On : 12 Jun 2025 10:58
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

Quant Time: Jun 13 01:23:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

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

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

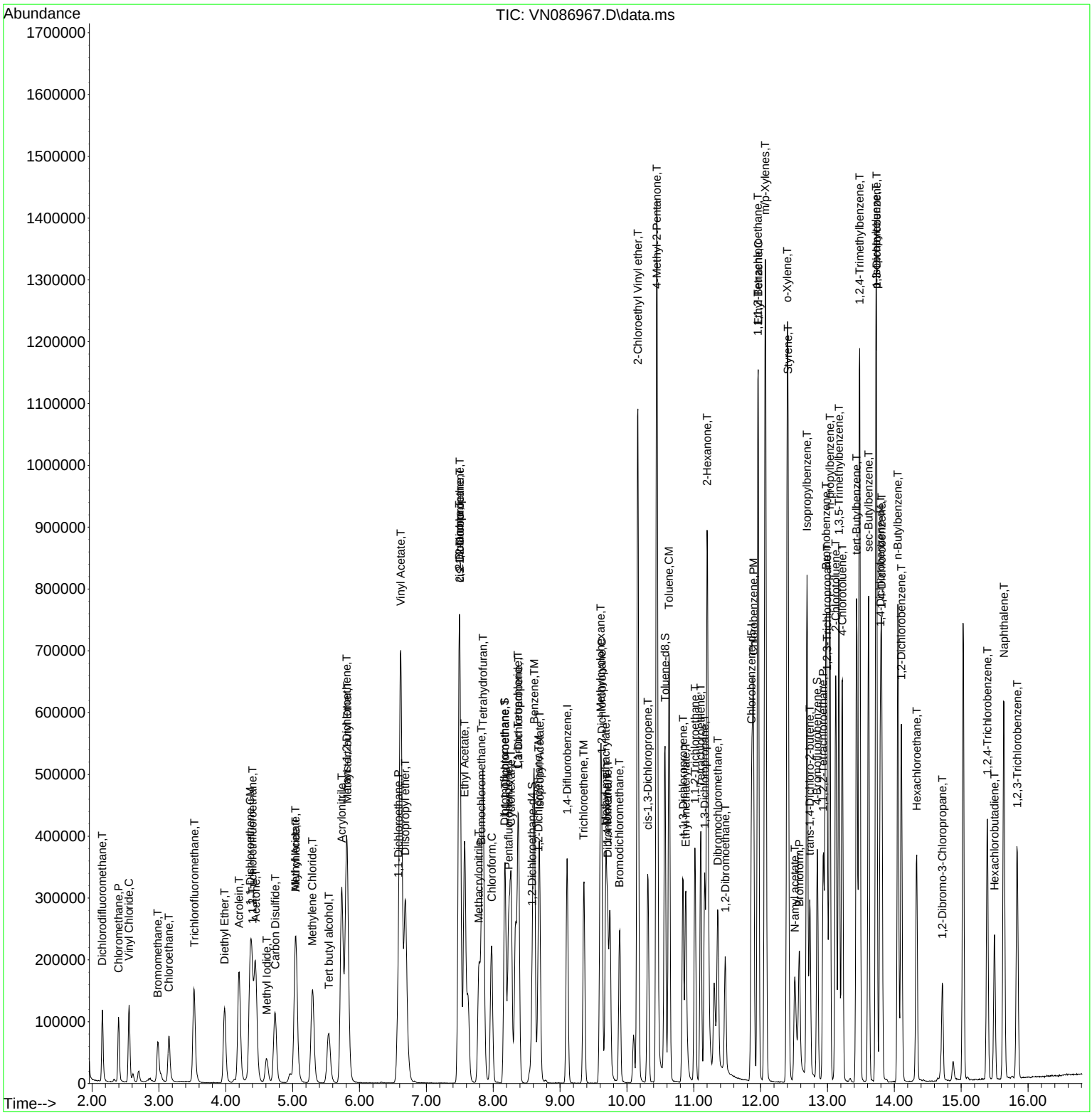
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086967.D
Acq On : 12 Jun 2025 10:58
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 01:23:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025



Sample Results: **VN086967.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086967.D
Acq On : 12 Jun 2025 10:58
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 13 01:23:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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	89	0.00
2	T	Dichlorodifluoromethane	0.499	0.576	-15.4	103	0.00
3	P	Chloromethane	0.644	0.587	8.9	88	0.00
4	C	Vinyl Chloride	0.664	0.746	-12.3#	104	0.00
5	T	Bromomethane	0.372	0.317	14.8	79	-0.01
6	T	Chloroethane	0.429	0.484	-12.8	106	0.00
7	T	Trichlorofluoromethane	0.868	0.981	-13.0	105	0.00
8	T	Diethyl Ether	0.378	0.437	-15.6	108	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.545	0.621	-13.9	107	0.00
10	T	Methyl Iodide	0.707	0.425	39.9#	56	0.00
11	T	Tert butyl alcohol	0.182	0.192	-5.5	98	0.00
12	CM	1,1-Dichloroethene	0.557	0.625	-12.2#	105	0.00
13	T	Acrolein	0.057	0.282	-394.7#	556#	0.00
14	T	Allyl chloride	0.923	0.987	-6.9	102	0.00
15	T	Acrylonitrile	0.425	0.482	-13.4	106	0.00
16	T	Acetone	0.355	0.373	-5.1	103	0.00
17	T	Carbon Disulfide	1.539	1.568	-1.9	98	0.01
18	T	Methyl Acetate	1.035	1.190	-15.0	108	0.00
19	T	Methyl tert-butyl Ether	2.015	2.316	-14.9	107	0.00
20	T	Methylene Chloride	0.665	0.739	-11.1	109	0.00
21	T	trans-1,2-Dichloroethene	0.619	0.666	-7.6	105	0.00
22	T	Diisopropyl ether	1.945	2.180	-12.1	105	0.00
23	T	Vinyl Acetate	1.644	1.845	-12.2	104	0.00
24	P	1,1-Dichloroethane	1.120	1.268	-13.2	107	0.00
25	T	2-Butanone	0.577	0.613	-6.2	99	0.00
26	T	2,2-Dichloropropane	0.871	1.079	-23.9	107	0.00
27	T	cis-1,2-Dichloroethene	0.740	0.833	-12.6	107	0.00
28	T	Bromochloromethane	0.550	0.496	9.8	95	0.00
29	T	Tetrahydrofuran	0.376	0.405	-7.7	101	0.00
30	C	Chloroform	1.118	1.268	-13.4#	107	0.00
31	T	Cyclohexane	1.086	1.055	2.9	94	0.00
32	T	1,1,1-Trichloroethane	0.951	1.047	-10.1	105	0.00
33	S	1,2-Dichloroethane-d4	0.669	0.666	0.4	119	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	88	0.00
35	S	Dibromofluoromethane	0.296	0.318	-7.4	128	0.00
36	T	1,1-Dichloropropene	0.442	0.488	-10.4	103	0.00
37	T	Ethyl Acetate	0.562	0.640	-13.9	106	0.00
38	T	Carbon Tetrachloride	0.433	0.487	-12.5	105	0.00
39	T	Methylcyclohexane	0.605	0.578	4.5	90	0.00
40	TM	Benzene	1.444	1.600	-10.8	105	0.00
41	T	Methacrylonitrile	0.316	0.337	-6.6	99	0.00
42	TM	1,2-Dichloroethane	0.438	0.495	-13.0	107	0.00
43	T	Isopropyl Acetate	0.902	0.993	-10.1	103	0.00
44	TM	Trichloroethene	0.342	0.380	-11.1	103	0.00
45	C	1,2-Dichloropropane	0.351	0.405	-15.4#	108	0.00
46	T	Dibromomethane	0.233	0.273	-17.2	109	0.00
47	T	Bromodichloromethane	0.480	0.555	-15.6	107	0.00
48	T	Methyl methacrylate	0.415	0.452	-8.9	102	0.00

Sample Results: **VN086967.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086967.D
Acq On : 12 Jun 2025 10:58
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 13 01:23:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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	0.008	0.008	0.0	96	0.00
50	S	Toluene-d8	1.173	1.170	0.3	120	0.00
51	T	4-Methyl-2-Pentanone	0.543	0.618	-13.8	102	0.00
52	CM	Toluene	0.882	0.974	-10.4#	103	0.00
53	T	t-1,3-Dichloropropene	0.537	0.627	-16.8	106	0.00
54	T	cis-1,3-Dichloropropene	0.574	0.665	-15.9	107	0.00
55	T	1,1,2-Trichloroethane	0.340	0.395	-16.2	108	0.00
56	T	Ethyl methacrylate	0.541	0.662	-22.4	105	0.00
57	T	1,3-Dichloropropane	0.589	0.674	-14.4	106	0.00
58	T	2-Chloroethyl Vinyl ether	0.323	0.319	1.2	103	0.00
59	T	2-Hexanone	0.350	0.411	-17.4	99	0.00
60	T	Dibromochloromethane	0.354	0.423	-19.5	110	0.00
61	T	1,2-Dibromoethane	0.348	0.400	-14.9	108	0.00
62	S	4-Bromofluorobenzene	0.436	0.444	-1.8	121	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	88	0.00
64	T	Tetrachloroethene	0.316	0.332	-5.1	99	0.00
65	PM	Chlorobenzene	1.103	1.232	-11.7	106	0.00
66	T	1,1,1,2-Tetrachloroethane	0.354	0.414	-16.9	108	0.00
67	C	Ethyl Benzene	1.899	2.097	-10.4#	102	0.00
68	T	m/p-Xylenes	0.727	0.811	-11.6	101	0.00
69	T	o-Xylene	0.696	0.792	-13.8	103	0.00
70	T	Styrene	1.192	1.379	-15.7	104	0.00
71	P	Bromoform	0.263	0.329	-25.1#	109	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	86	0.00
73	T	Isopropylbenzene	3.643	3.972	-9.0	100	0.00
74	T	N-amyl acetate	1.273	1.370	-7.6	93	0.00
75	P	1,1,2,2-Tetrachloroethane	1.234	1.442	-16.9	106	0.00
76	T	1,2,3-Trichloropropane	1.189	1.233	-3.7	91	0.00
77	T	Bromobenzene	0.835	0.971	-16.3	106	0.00
78	T	n-propylbenzene	4.427	4.774	-7.8	98	0.00
79	T	2-Chlorotoluene	2.655	2.927	-10.2	101	0.00
80	T	1,3,5-Trimethylbenzene	3.007	3.267	-8.6	97	0.00
81	T	trans-1,4-Dichloro-2-butene	0.516	0.608	-17.8	110	0.00
82	T	4-Chlorotoluene	2.686	2.981	-11.0	102	0.00
83	T	tert-Butylbenzene	2.753	2.949	-7.1	97	0.00
84	T	1,2,4-Trimethylbenzene	3.016	3.336	-10.6	99	0.00
85	T	sec-Butylbenzene	3.998	4.132	-3.4	93	0.00
86	T	p-Isopropyltoluene	3.305	3.476	-5.2	94	0.00
87	T	1,3-Dichlorobenzene	1.644	1.868	-13.6	104	0.00
88	T	1,4-Dichlorobenzene	1.676	1.888	-12.6	104	0.00
89	T	n-Butylbenzene	3.201	3.183	0.6	90	0.00
90	T	Hexachloroethane	0.560	0.627	-12.0	101	0.00
91	T	1,2-Dichlorobenzene	1.579	1.789	-13.3	103	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.295	0.321	-8.8	102	0.00
93	T	1,2,4-Trichlorobenzene	1.008	1.070	-6.2	95	0.00
94	T	Hexachlorobutadiene	0.376	0.320	14.9	76	0.00
95	T	Naphthalene	3.753	4.174	-11.2	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086967.D
Acq On : 12 Jun 2025 10:58
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 13 01:23:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.002	1.031	-2.9	94	0.00

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

Sample Results: **VN086967.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086967.D
Acq On : 12 Jun 2025 10:58
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 13 01:23:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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	89	0.00
2	T	Dichlorodifluoromethane	50.000	57.720	-15.4	103	0.00
3	P	Chloromethane	50.000	45.579	8.8	88	0.00
4	C	Vinyl Chloride	50.000	56.150	-12.3#	104	0.00
5	T	Bromomethane	50.000	42.593	14.8	79	-0.01
6	T	Chloroethane	50.000	56.423	-12.8	106	0.00
7	T	Trichlorofluoromethane	50.000	56.525	-13.0	105	0.00
8	T	Diethyl Ether	50.000	57.750	-15.5	108	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	56.996	-14.0	107	0.00
10	T	Methyl Iodide	50.000	30.105	39.8#	56	0.00
11	T	Tert butyl alcohol	250.000	264.263	-5.7	98	0.00
12	CM	1,1-Dichloroethene	50.000	56.164	-12.3#	105	0.00
13	T	Acrolein	250.000	1225.680	-390.3#	556	0.00
14	T	Allyl chloride	50.000	53.489	-7.0	102	0.00
15	T	Acrylonitrile	250.000	283.838	-13.5	106	0.00
16	T	Acetone	250.000	262.370	-4.9	103	0.00
17	T	Carbon Disulfide	50.000	50.929	-1.9	98	0.01
18	T	Methyl Acetate	50.000	57.496	-15.0	108	0.00
19	T	Methyl tert-butyl Ether	50.000	57.476	-15.0	107	0.00
20	T	Methylene Chloride	50.000	55.575	-11.2	109	0.00
21	T	trans-1,2-Dichloroethene	50.000	53.798	-7.6	105	0.00
22	T	Diisopropyl ether	50.000	56.016	-12.0	105	0.00
23	T	Vinyl Acetate	250.000	280.603	-12.2	104	0.00
24	P	1,1-Dichloroethane	50.000	56.615	-13.2	107	0.00
25	T	2-Butanone	250.000	265.435	-6.2	99	0.00
26	T	2,2-Dichloropropane	50.000	61.975	-24.0	107	0.00
27	T	cis-1,2-Dichloroethene	50.000	56.216	-12.4	107	0.00
28	T	Bromochloromethane	50.000	45.051	9.9	95	0.00
29	T	Tetrahydrofuran	250.000	269.283	-7.7	101	0.00
30	C	Chloroform	50.000	56.716	-13.4#	107	0.00
31	T	Cyclohexane	50.000	48.573	2.9	94	0.00
32	T	1,1,1-Trichloroethane	50.000	55.035	-10.1	105	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.735	0.5	119	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	88	0.00
35	S	Dibromofluoromethane	50.000	53.655	-7.3	128	0.00
36	T	1,1-Dichloropropene	50.000	55.253	-10.5	103	0.00
37	T	Ethyl Acetate	50.000	56.930	-13.9	106	0.00
38	T	Carbon Tetrachloride	50.000	56.196	-12.4	105	0.00
39	T	Methylcyclohexane	50.000	47.789	4.4	90	0.00
40	TM	Benzene	50.000	55.408	-10.8	105	0.00
41	T	Methacrylonitrile	50.000	53.455	-6.9	99	0.00
42	TM	1,2-Dichloroethane	50.000	56.568	-13.1	107	0.00
43	T	Isopropyl Acetate	50.000	55.056	-10.1	103	0.00
44	TM	Trichloroethene	50.000	55.546	-11.1	103	0.00
45	C	1,2-Dichloropropane	50.000	57.676	-15.4#	108	0.00
46	T	Dibromomethane	50.000	58.548	-17.1	109	0.00
47	T	Bromodichloromethane	50.000	57.801	-15.6	107	0.00
48	T	Methyl methacrylate	50.000	54.473	-8.9	102	0.00

Sample Results: **VN086967.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086967.D
Acq On : 12 Jun 2025 10:58
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 13 01:23:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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	1123.948	-12.4	96	0.00
50	S	Toluene-d8	50.000	49.865	0.3	120	0.00
51	T	4-Methyl-2-Pentanone	250.000	284.335	-13.7	102	0.00
52	CM	Toluene	50.000	55.206	-10.4#	103	0.00
53	T	t-1,3-Dichloropropene	50.000	58.362	-16.7	106	0.00
54	T	cis-1,3-Dichloropropene	50.000	57.872	-15.7	107	0.00
55	T	1,1,2-Trichloroethane	50.000	58.186	-16.4	108	0.00
56	T	Ethyl methacrylate	50.000	61.197	-22.4	105	0.00
57	T	1,3-Dichloropropane	50.000	57.208	-14.4	106	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	246.931	1.2	103	0.00
59	T	2-Hexanone	250.000	293.972	-17.6	99	0.00
60	T	Dibromochloromethane	50.000	59.748	-19.5	110	0.00
61	T	1,2-Dibromoethane	50.000	57.512	-15.0	108	0.00
62	S	4-Bromofluorobenzene	50.000	50.900	-1.8	121	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	88	0.00
64	T	Tetrachloroethene	50.000	52.528	-5.1	99	0.00
65	PM	Chlorobenzene	50.000	55.838	-11.7	106	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	58.407	-16.8	108	0.00
67	C	Ethyl Benzene	50.000	55.204	-10.4#	102	0.00
68	T	m/p-Xylenes	100.000	111.485	-11.5	101	0.00
69	T	o-Xylene	50.000	56.848	-13.7	103	0.00
70	T	Styrene	50.000	57.840	-15.7	104	0.00
71	P	Bromoform	50.000	62.714	-25.4#	109	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	86	0.00
73	T	Isopropylbenzene	50.000	54.516	-9.0	100	0.00
74	T	N-amyl acetate	50.000	53.829	-7.7	93	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	58.416	-16.8	106	0.00
76	T	1,2,3-Trichloropropane	50.000	51.884	-3.8	91	0.00
77	T	Bromobenzene	50.000	58.102	-16.2	106	0.00
78	T	n-propylbenzene	50.000	53.921	-7.8	98	0.00
79	T	2-Chlorotoluene	50.000	55.125	-10.3	101	0.00
80	T	1,3,5-Trimethylbenzene	50.000	54.321	-8.6	97	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	58.870	-17.7	110	0.00
82	T	4-Chlorotoluene	50.000	55.488	-11.0	102	0.00
83	T	tert-Butylbenzene	50.000	53.555	-7.1	97	0.00
84	T	1,2,4-Trimethylbenzene	50.000	55.309	-10.6	99	0.00
85	T	sec-Butylbenzene	50.000	51.674	-3.3	93	0.00
86	T	p-Isopropyltoluene	50.000	52.598	-5.2	94	0.00
87	T	1,3-Dichlorobenzene	50.000	56.838	-13.7	104	0.00
88	T	1,4-Dichlorobenzene	50.000	56.350	-12.7	104	0.00
89	T	n-Butylbenzene	50.000	49.714	0.6	90	0.00
90	T	Hexachloroethane	50.000	56.009	-12.0	101	0.00
91	T	1,2-Dichlorobenzene	50.000	56.635	-13.3	103	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	54.321	-8.6	102	0.00
93	T	1,2,4-Trichlorobenzene	50.000	53.083	-6.2	95	0.00
94	T	Hexachlorobutadiene	50.000	42.625	14.8	76	0.00
95	T	Naphthalene	50.000	55.611	-11.2	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086967.D
Acq On : 12 Jun 2025 10:58
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 13 01:23:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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	51.455	-2.9	94	0.00

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

Raw Data: **VN086996.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GARD04

Lab Code: CHEM Case No.: Q2302 SAS No.: Q2302 SDG No.: Q2302

Instrument ID: MSVOA_N Calibration Date/Time: 06/13/2025 12:52

Lab File ID: VN086996.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.499	0.494		-1	20
Chloromethane	0.644	0.562	0.1	-12.73	20
Vinyl Chloride	0.664	0.695		4.67	20
Bromomethane	0.372	0.351		-5.64	20
Chloroethane	0.429	0.449		4.66	20
Trichlorofluoromethane	0.868	0.867		-0.12	20
1,1,2-Trichlorotrifluoroethane	0.545	0.537		-1.47	20
1,1-Dichloroethene	0.557	0.581		4.31	20
Acetone	0.355	0.346		-2.54	20
Carbon Disulfide	1.539	1.720		11.76	20
Methyl tert-butyl Ether	2.015	2.241		11.22	20
Methyl Acetate	1.035	0.870		-15.94	20
Methylene Chloride	0.665	0.715		7.52	20
trans-1,2-Dichloroethene	0.619	0.648		4.68	20
1,1-Dichloroethane	1.120	1.168	0.1	4.29	20
Cyclohexane	1.086	0.955		-12.06	20
2-Butanone	0.577	0.570		-1.21	20
Carbon Tetrachloride	0.433	0.421		-2.77	20
cis-1,2-Dichloroethene	0.740	0.814		10	20
Bromochloromethane	0.550	0.601		9.27	20
Chloroform	1.118	1.162		3.94	20
1,1,1-Trichloroethane	0.951	0.927		-2.52	20
Methylcyclohexane	0.605	0.537		-11.24	20
Benzene	1.444	1.500		3.88	20
1,2-Dichloroethane	0.438	0.467		6.62	20
Trichloroethene	0.342	0.362		5.85	20
1,2-Dichloropropane	0.351	0.370		5.41	20
Bromodichloromethane	0.480	0.515		7.29	20
4-Methyl-2-Pentanone	0.543	0.558		2.76	20
Toluene	0.882	0.929		5.33	20
t-1,3-Dichloropropene	0.537	0.613		14.15	20
cis-1,3-Dichloropropene	0.574	0.640		11.5	20
1,1,2-Trichloroethane	0.340	0.373		9.71	20
2-Hexanone	0.350	0.375		7.14	20
Dibromochloromethane	0.354	0.405		14.41	20
1,2-Dibromoethane	0.348	0.398		14.37	20
Tetrachloroethene	0.316	0.312		-1.27	20
Chlorobenzene	1.103	1.165	0.3	5.62	20

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

Raw Data: **VN086996.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GARD04

Lab Code: CHEM Case No.: Q2302 SAS No.: Q2302 SDG No.: Q2302

Instrument ID: MSVOA_N Calibration Date/Time: 06/13/2025 12:52

Lab File ID: VN086996.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.900	1.898		-0.1	20
m/p-Xylenes	0.727	0.748		2.89	20
o-Xylene	0.696	0.743		6.75	20
Styrene	1.192	1.276		7.05	20
Bromoform	0.263	0.307	0.1	16.73	20
Isopropylbenzene	3.643	3.469		-4.78	20
1,1,2,2-Tetrachloroethane	1.234	1.316	0.3	6.64	20
1,3-Dichlorobenzene	1.644	1.702		3.53	20
1,4-Dichlorobenzene	1.676	1.762		5.13	20
1,2-Dichlorobenzene	1.579	1.647		4.31	20
1,2-Dibromo-3-Chloropropane	0.295	0.293		-0.68	20
1,2,4-Trichlorobenzene	1.008	0.965		-4.27	20
1,2,3-Trichlorobenzene	1.002	0.923		-7.88	20
1,2-Dichloroethane-d4	0.669	0.665		-0.6	20
Dibromofluoromethane	0.296	0.318		7.43	20
Toluene-d8	1.173	1.131		-3.58	20
4-Bromofluorobenzene	0.436	0.446		2.29	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\VN061325\
Data File : VN086996.D
Acq On : 13 Jun 2025 12:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 14 00:25:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	190412	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	349185	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	311622	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	154974	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	126564	49.645	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.280%			
35) Dibromofluoromethane	8.171	113	110945	53.613	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.220%			
50) Toluene-d8	10.571	98	395054	48.224	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.440%			
62) 4-Bromofluorobenzene	12.847	95	155769	51.180	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.360%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	94130	49.581	ug/l	99
3) Chloromethane	2.395	50	106972	43.634	ug/l	95
4) Vinyl Chloride	2.553	62	132265	52.300	ug/l	98
5) Bromomethane	2.989	94	66850	47.236	ug/l	91
6) Chloroethane	3.153	64	85416	52.288	ug/l	97
7) Trichlorofluoromethane	3.524	101	165154	49.983	ug/l	98
8) Diethyl Ether	3.983	74	85377	59.305	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.400	101	102200	49.231	ug/l	99
10) Methyl Iodide	4.618	142	81332	30.223	ug/l	96
11) Tert butyl alcohol	5.542	59	179272	259.155	ug/l	98
12) 1,1-Dichloroethene	4.365	96	110621	52.196	ug/l	89
13) Acrolein	4.200	56	29452	134.505	ug/l	99
14) Allyl chloride	5.047	41	167560	47.673	ug/l	95
15) Acrylonitrile	5.736	53	429249	265.480	ug/l	100
16) Acetone	4.447	43	329234	243.522	ug/l	96
17) Carbon Disulfide	4.742	76	327418	55.851	ug/l	100
18) Methyl Acetate	5.047	43	165652	42.045	ug/l	97
19) Methyl tert-butyl Ether	5.812	73	426708	55.607	ug/l	100
20) Methylene Chloride	5.294	84	136185	53.804	ug/l	93
21) trans-1,2-Dichloroethene	5.806	96	123359	52.316	ug/l	97
22) Diisopropyl ether	6.689	45	372100	50.223	ug/l	96
23) Vinyl Acetate	6.618	43	1729112	276.228	ug/l	97
24) 1,1-Dichloroethane	6.588	63	222402	52.162	ug/l	100
25) 2-Butanone	7.494	43	542418	246.825	ug/l	96
26) 2,2-Dichloropropane	7.500	77	181352	54.680	ug/l	98
27) cis-1,2-Dichloroethene	7.500	96	154905	54.931	ug/l	96
28) Bromochloromethane	7.824	49	114442	54.591	ug/l	90
29) Tetrahydrofuran	7.847	42	358784	250.623	ug/l	93
30) Chloroform	7.977	83	221340	51.983	ug/l	100
31) Cyclohexane	8.265	56	181882	43.987	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	176440	48.720	ug/l	98
36) 1,1-Dichloropropene	8.383	75	154064	49.963	ug/l	99
37) Ethyl Acetate	7.571	43	207704	52.914	ug/l	99
38) Carbon Tetrachloride	8.371	117	147019	48.564	ug/l	96
39) Methylcyclohexane	9.606	83	187509	44.385	ug/l	95
40) Benzene	8.612	78	523742	51.942	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN086996.D
Acq On : 13 Jun 2025 12:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 14 00:25:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.783	41	107515	48.771	ug/l		92
42) 1,2-Dichloroethane	8.677	62	163016	53.302	ug/l		99
43) Isopropyl Acetate	8.694	43	315339	50.052	ug/l		95
44) Trichloroethene	9.359	130	126250	52.804	ug/l		97
45) 1,2-Dichloropropane	9.624	63	129173	52.657	ug/l		97
46) Dibromomethane	9.712	93	92427	56.724	ug/l		98
47) Bromodichloromethane	9.894	83	179817	53.637	ug/l		99
48) Methyl methacrylate	9.682	41	144695	49.899	ug/l		93
49) 1,4-Dioxane	9.700	88	60881	1154.073	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.447	43	974766	257.005	ug/l		96
52) Toluene	10.629	92	324520	52.663	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	213932	57.068	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	223518	55.726	ug/l		96
55) 1,1,2-Trichloroethane	11.018	97	130409	55.000	ug/l		98
56) Ethyl methacrylate	10.882	69	221967	58.775	ug/l		93
57) 1,3-Dichloropropane	11.165	76	225149	54.739	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	640810	284.484	ug/l		97
59) 2-Hexanone	11.200	43	655260	268.212	ug/l		91
60) Dibromochloromethane	11.359	129	141550	57.298	ug/l		99
61) 1,2-Dibromoethane	11.471	107	138863	57.138	ug/l		99
64) Tetrachloroethene	11.106	164	97092	49.232	ug/l		94
65) Chlorobenzene	11.894	112	363108	52.832	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	118773	53.761	ug/l		99
67) Ethyl Benzene	11.965	91	591507	49.965	ug/l		99
68) m/p-Xylenes	12.070	106	466007	102.831	ug/l		99
69) o-Xylene	12.400	106	231655	53.373	ug/l		96
70) Styrene	12.412	104	397750	53.555	ug/l		99
71) Bromoform	12.576	173	95755	58.496	ug/l	#	98
73) Isopropylbenzene	12.694	105	537619	47.619	ug/l		99
74) N-amyl acetate	12.512	43	194530	49.308	ug/l		93
75) 1,1,2,2-Tetrachloroethane	12.935	83	203942	53.321	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	178162m	48.364	ug/l		
77) Bromobenzene	12.982	156	141660	54.712	ug/l		95
78) n-propylbenzene	13.035	91	639643	46.620	ug/l		98
79) 2-Chlorotoluene	13.123	91	404220	49.126	ug/l		97
80) 1,3,5-Trimethylbenzene	13.170	105	454100	48.717	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.735	75	87402	54.616	ug/l		95
82) 4-Chlorotoluene	13.223	91	417942	50.200	ug/l		99
83) tert-Butylbenzene	13.435	119	392634	46.017	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	463629	49.602	ug/l		98
85) sec-Butylbenzene	13.612	105	540317	43.606	ug/l		99
86) p-Isopropyltoluene	13.729	119	462226	45.127	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	263729	51.771	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	273095	52.583	ug/l		99
89) n-Butylbenzene	14.053	91	413779	41.707	ug/l		100
90) Hexachloroethane	14.335	117	80241	46.217	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	255209	52.145	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	45388	49.620	ug/l		92
93) 1,2,4-Trichlorobenzene	15.388	180	149493	47.834	ug/l		99
94) Hexachlorobutadiene	15.500	225	42985	36.917	ug/l		99
95) Naphthalene	15.635	128	604305	51.949	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	142985	46.049	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN086996.D
Acq On : 13 Jun 2025 12:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 14 00:25:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

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

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

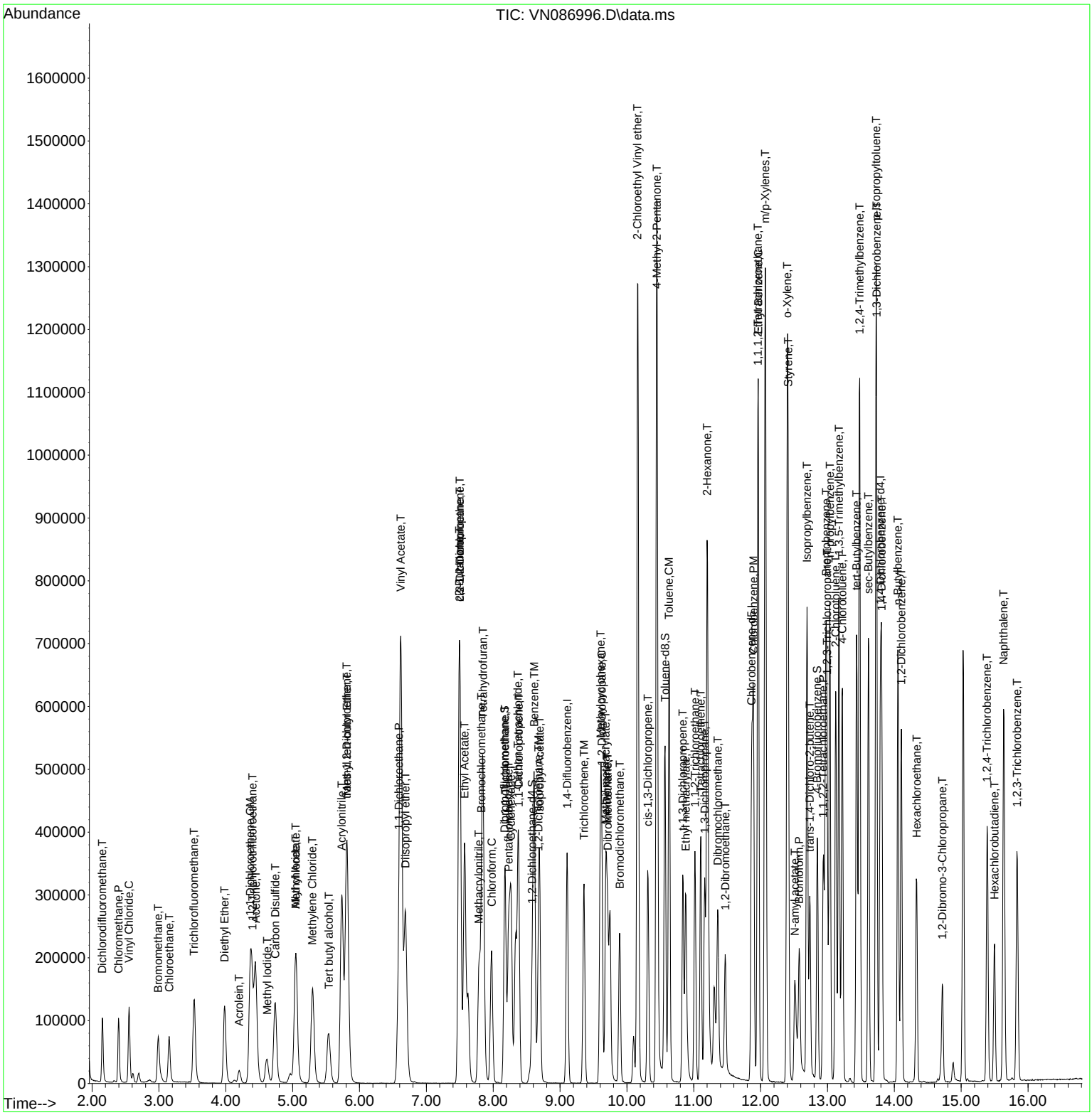
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN086996.D
Acq On : 13 Jun 2025 12:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 14 00:25:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



Sample Results: **VN086996.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN086996.D
Acq On : 13 Jun 2025 12:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 14 00:25:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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	92	0.00
2	T	Dichlorodifluoromethane	0.499	0.494	1.0	91	0.00
3	P	Chloromethane	0.644	0.562	12.7	86	0.00
4	C	Vinyl Chloride	0.664	0.695	-4.7#	100	0.00
5	T	Bromomethane	0.372	0.351	5.6	90	0.00
6	T	Chloroethane	0.429	0.449	-4.7	101	0.00
7	T	Trichlorofluoromethane	0.868	0.867	0.1	96	0.00
8	T	Diethyl Ether	0.378	0.448	-18.5	114	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.545	0.537	1.5	95	0.00
10	T	Methyl Iodide	0.707	0.427	39.6#	57	0.01
11	T	Tert butyl alcohol	0.182	0.188	-3.3	98	0.00
12	CM	1,1-Dichloroethene	0.557	0.581	-4.3#	100	0.00
13	T	Acrolein	0.057	0.031	45.6#	63	0.00
14	T	Allyl chloride	0.923	0.880	4.7	93	0.00
15	T	Acrylonitrile	0.425	0.451	-6.1	102	0.00
16	T	Acetone	0.355	0.346	2.5	99	0.00
17	T	Carbon Disulfide	1.539	1.720	-11.8	111	0.01
18	T	Methyl Acetate	1.035	0.870	15.9	81	0.00
19	T	Methyl tert-butyl Ether	2.015	2.241	-11.2	106	0.00
20	T	Methylene Chloride	0.665	0.715	-7.5	109	0.00
21	T	trans-1,2-Dichloroethene	0.619	0.648	-4.7	105	0.00
22	T	Diisopropyl ether	1.945	1.954	-0.5	97	0.00
23	T	Vinyl Acetate	1.644	1.816	-10.5	105	0.00
24	P	1,1-Dichloroethane	1.120	1.168	-4.3	101	0.00
25	T	2-Butanone	0.577	0.570	1.2	95	0.00
26	T	2,2-Dichloropropane	0.871	0.952	-9.3	97	0.00
27	T	cis-1,2-Dichloroethene	0.740	0.814	-10.0	107	0.00
28	T	Bromochloromethane	0.550	0.601	-9.3	118	0.00
29	T	Tetrahydrofuran	0.376	0.377	-0.3	97	0.00
30	C	Chloroform	1.118	1.162	-3.9#	101	0.00
31	T	Cyclohexane	1.086	0.955	12.1	87	0.00
32	T	1,1,1-Trichloroethane	0.951	0.927	2.5	95	0.00
33	S	1,2-Dichloroethane-d4	0.669	0.665	0.6	122	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	92	0.00
35	S	Dibromofluoromethane	0.296	0.318	-7.4	134	0.00
36	T	1,1-Dichloropropene	0.442	0.441	0.2	97	0.00
37	T	Ethyl Acetate	0.562	0.595	-5.9	102	0.00
38	T	Carbon Tetrachloride	0.433	0.421	2.8	95	0.00
39	T	Methylcyclohexane	0.605	0.537	11.2	87	0.00
40	TM	Benzene	1.444	1.500	-3.9	103	0.00
41	T	Methacrylonitrile	0.316	0.308	2.5	94	0.00
42	TM	1,2-Dichloroethane	0.438	0.467	-6.6	105	0.00
43	T	Isopropyl Acetate	0.902	0.903	-0.1	98	0.00
44	TM	Trichloroethene	0.342	0.362	-5.8	102	0.00
45	C	1,2-Dichloropropane	0.351	0.370	-5.4#	103	0.00
46	T	Dibromomethane	0.233	0.265	-13.7	110	0.00
47	T	Bromodichloromethane	0.480	0.515	-7.3	104	0.00
48	T	Methyl methacrylate	0.415	0.414	0.2	97	0.00

Sample Results: **VN086996.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN086996.D
Acq On : 13 Jun 2025 12:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 14 00:25:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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	0.008	0.009	-12.5	103	0.00
50	S	Toluene-d8	1.173	1.131	3.6	121	0.00
51	T	4-Methyl-2-Pentanone	0.543	0.558	-2.8	96	0.00
52	CM	Toluene	0.882	0.929	-5.3#	103	0.00
53	T	t-1,3-Dichloropropene	0.537	0.613	-14.2	108	0.00
54	T	cis-1,3-Dichloropropene	0.574	0.640	-11.5	107	0.00
55	T	1,1,2-Trichloroethane	0.340	0.373	-9.7	107	0.00
56	T	Ethyl methacrylate	0.541	0.636	-17.6	105	0.00
57	T	1,3-Dichloropropane	0.589	0.645	-9.5	106	0.00
58	T	2-Chloroethyl Vinyl ether	0.323	0.367	-13.6	123	0.00
59	T	2-Hexanone	0.350	0.375	-7.1	94	0.00
60	T	Dibromochloromethane	0.354	0.405	-14.4	110	0.00
61	T	1,2-Dibromoethane	0.348	0.398	-14.4	112	0.00
62	S	4-Bromofluorobenzene	0.436	0.446	-2.3	127	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
64	T	Tetrachloroethene	0.316	0.312	1.3	99	0.00
65	PM	Chlorobenzene	1.103	1.165	-5.6	107	0.00
66	T	1,1,1,2-Tetrachloroethane	0.354	0.381	-7.6	106	0.00
67	C	Ethyl Benzene	1.899	1.898	0.1#	99	0.00
68	T	m/p-Xylenes	0.727	0.748	-2.9	100	0.00
69	T	o-Xylene	0.696	0.743	-6.8	103	0.00
70	T	Styrene	1.192	1.276	-7.0	103	0.00
71	P	Bromoform	0.263	0.307	-16.7	109	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
73	T	Isopropylbenzene	3.643	3.469	4.8	94	0.00
74	T	N-amyl acetate	1.273	1.255	1.4	92	0.00
75	P	1,1,2,2-Tetrachloroethane	1.234	1.316	-6.6	103	0.00
76	T	1,2,3-Trichloropropane	1.189	1.150	3.3	91	0.00
77	T	Bromobenzene	0.835	0.914	-9.5	107	0.00
78	T	n-propylbenzene	4.427	4.127	6.8	91	0.00
79	T	2-Chlorotoluene	2.655	2.608	1.8	96	0.00
80	T	1,3,5-Trimethylbenzene	3.007	2.930	2.6	94	0.00
81	T	trans-1,4-Dichloro-2-butene	0.516	0.564	-9.3	110	0.00
82	T	4-Chlorotoluene	2.686	2.697	-0.4	99	0.00
83	T	tert-Butylbenzene	2.753	2.534	8.0	90	0.00
84	T	1,2,4-Trimethylbenzene	3.016	2.992	0.8	95	0.00
85	T	sec-Butylbenzene	3.998	3.487	12.8	84	0.00
86	T	p-Isopropyltoluene	3.305	2.983	9.7	87	0.00
87	T	1,3-Dichlorobenzene	1.644	1.702	-3.5	101	0.00
88	T	1,4-Dichlorobenzene	1.676	1.762	-5.1	104	0.00
89	T	n-Butylbenzene	3.201	2.670	16.6	81	0.00
90	T	Hexachloroethane	0.560	0.518	7.5	89	0.00
91	T	1,2-Dichlorobenzene	1.579	1.647	-4.3	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.295	0.293	0.7	100	0.00
93	T	1,2,4-Trichlorobenzene	1.008	0.965	4.3	92	0.00
94	T	Hexachlorobutadiene	0.376	0.277	26.3#	71	0.00
95	T	Naphthalene	3.753	3.899	-3.9	100	0.00

Sample Results: **VN086996.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN086996.D
Acq On : 13 Jun 2025 12:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 14 00:25:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.002	0.923	7.9	90	0.00

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

Sample Results: **VN086996.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN086996.D
Acq On : 13 Jun 2025 12:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 14 00:25:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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	92	0.00
2	T	Dichlorodifluoromethane	50.000	49.581	0.8	91	0.00
3	P	Chloromethane	50.000	43.634	12.7	86	0.00
4	C	Vinyl Chloride	50.000	52.300	-4.6#	100	0.00
5	T	Bromomethane	50.000	47.236	5.5	90	0.00
6	T	Chloroethane	50.000	52.288	-4.6	101	0.00
7	T	Trichlorofluoromethane	50.000	49.983	0.0	96	0.00
8	T	Diethyl Ether	50.000	59.305	-18.6	114	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.231	1.5	95	0.00
10	T	Methyl Iodide	50.000	30.223	39.6#	57	0.01
11	T	Tert butyl alcohol	250.000	259.155	-3.7	98	0.00
12	CM	1,1-Dichloroethene	50.000	52.196	-4.4#	100	0.00
13	T	Acrolein	250.000	134.505	46.2#	63	0.00
14	T	Allyl chloride	50.000	47.673	4.7	93	0.00
15	T	Acrylonitrile	250.000	265.480	-6.2	102	0.00
16	T	Acetone	250.000	243.522	2.6	99	0.00
17	T	Carbon Disulfide	50.000	55.851	-11.7	111	0.01
18	T	Methyl Acetate	50.000	42.045	15.9	81	0.00
19	T	Methyl tert-butyl Ether	50.000	55.607	-11.2	106	0.00
20	T	Methylene Chloride	50.000	53.804	-7.6	109	0.00
21	T	trans-1,2-Dichloroethene	50.000	52.316	-4.6	105	0.00
22	T	Diisopropyl ether	50.000	50.223	-0.4	97	0.00
23	T	Vinyl Acetate	250.000	276.228	-10.5	105	0.00
24	P	1,1-Dichloroethane	50.000	52.162	-4.3	101	0.00
25	T	2-Butanone	250.000	246.825	1.3	95	0.00
26	T	2,2-Dichloropropane	50.000	54.680	-9.4	97	0.00
27	T	cis-1,2-Dichloroethene	50.000	54.931	-9.9	107	0.00
28	T	Bromochloromethane	50.000	54.591	-9.2	118	0.00
29	T	Tetrahydrofuran	250.000	250.623	-0.2	97	0.00
30	C	Chloroform	50.000	51.983	-4.0#	101	0.00
31	T	Cyclohexane	50.000	43.987	12.0	87	0.00
32	T	1,1,1-Trichloroethane	50.000	48.720	2.6	95	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.645	0.7	122	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	92	0.00
35	S	Dibromofluoromethane	50.000	53.613	-7.2	134	0.00
36	T	1,1-Dichloropropene	50.000	49.963	0.1	97	0.00
37	T	Ethyl Acetate	50.000	52.914	-5.8	102	0.00
38	T	Carbon Tetrachloride	50.000	48.564	2.9	95	0.00
39	T	Methylcyclohexane	50.000	44.385	11.2	87	0.00
40	TM	Benzene	50.000	51.942	-3.9	103	0.00
41	T	Methacrylonitrile	50.000	48.771	2.5	94	0.00
42	TM	1,2-Dichloroethane	50.000	53.302	-6.6	105	0.00
43	T	Isopropyl Acetate	50.000	50.052	-0.1	98	0.00
44	TM	Trichloroethene	50.000	52.804	-5.6	102	0.00
45	C	1,2-Dichloropropane	50.000	52.657	-5.3#	103	0.00
46	T	Dibromomethane	50.000	56.724	-13.4	110	0.00
47	T	Bromodichloromethane	50.000	53.637	-7.3	104	0.00
48	T	Methyl methacrylate	50.000	49.899	0.2	97	0.00

Sample Results: **VN086996.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN086996.D
Acq On : 13 Jun 2025 12:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 14 00:25:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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	1154.073	-15.4	103	0.00
50	S	Toluene-d8	50.000	48.224	3.6	121	0.00
51	T	4-Methyl-2-Pentanone	250.000	257.005	-2.8	96	0.00
52	CM	Toluene	50.000	52.663	-5.3#	103	0.00
53	T	t-1,3-Dichloropropene	50.000	57.068	-14.1	108	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.726	-11.5	107	0.00
55	T	1,1,2-Trichloroethane	50.000	55.000	-10.0	107	0.00
56	T	Ethyl methacrylate	50.000	58.775	-17.5	105	0.00
57	T	1,3-Dichloropropane	50.000	54.739	-9.5	106	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	284.484	-13.8	123	0.00
59	T	2-Hexanone	250.000	268.212	-7.3	94	0.00
60	T	Dibromochloromethane	50.000	57.298	-14.6	110	0.00
61	T	1,2-Dibromoethane	50.000	57.138	-14.3	112	0.00
62	S	4-Bromofluorobenzene	50.000	51.180	-2.4	127	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	94	0.00
64	T	Tetrachloroethene	50.000	49.232	1.5	99	0.00
65	PM	Chlorobenzene	50.000	52.832	-5.7	107	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	53.761	-7.5	106	0.00
67	C	Ethyl Benzene	50.000	49.965	0.1#	99	0.00
68	T	m/p-Xylenes	100.000	102.831	-2.8	100	0.00
69	T	o-Xylene	50.000	53.373	-6.7	103	0.00
70	T	Styrene	50.000	53.555	-7.1	103	0.00
71	P	Bromoform	50.000	58.496	-17.0	109	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	93	0.00
73	T	Isopropylbenzene	50.000	47.619	4.8	94	0.00
74	T	N-amyl acetate	50.000	49.308	1.4	92	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	53.321	-6.6	103	0.00
76	T	1,2,3-Trichloropropane	50.000	48.364	3.3	91	0.00
77	T	Bromobenzene	50.000	54.712	-9.4	107	0.00
78	T	n-propylbenzene	50.000	46.620	6.8	91	0.00
79	T	2-Chlorotoluene	50.000	49.126	1.7	96	0.00
80	T	1,3,5-Trimethylbenzene	50.000	48.717	2.6	94	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	54.616	-9.2	110	0.00
82	T	4-Chlorotoluene	50.000	50.200	-0.4	99	0.00
83	T	tert-Butylbenzene	50.000	46.017	8.0	90	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.602	0.8	95	0.00
85	T	sec-Butylbenzene	50.000	43.606	12.8	84	0.00
86	T	p-Isopropyltoluene	50.000	45.127	9.7	87	0.00
87	T	1,3-Dichlorobenzene	50.000	51.771	-3.5	101	0.00
88	T	1,4-Dichlorobenzene	50.000	52.583	-5.2	104	0.00
89	T	n-Butylbenzene	50.000	41.707	16.6	81	0.00
90	T	Hexachloroethane	50.000	46.217	7.6	89	0.00
91	T	1,2-Dichlorobenzene	50.000	52.145	-4.3	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.620	0.8	100	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.834	4.3	92	0.00
94	T	Hexachlorobutadiene	50.000	36.917	26.2#	71	0.00
95	T	Naphthalene	50.000	51.949	-3.9	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN086996.D
Acq On : 13 Jun 2025 12:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 14 00:25:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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	46.049	7.9	90	0.00

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

QC SAMPLE DATA

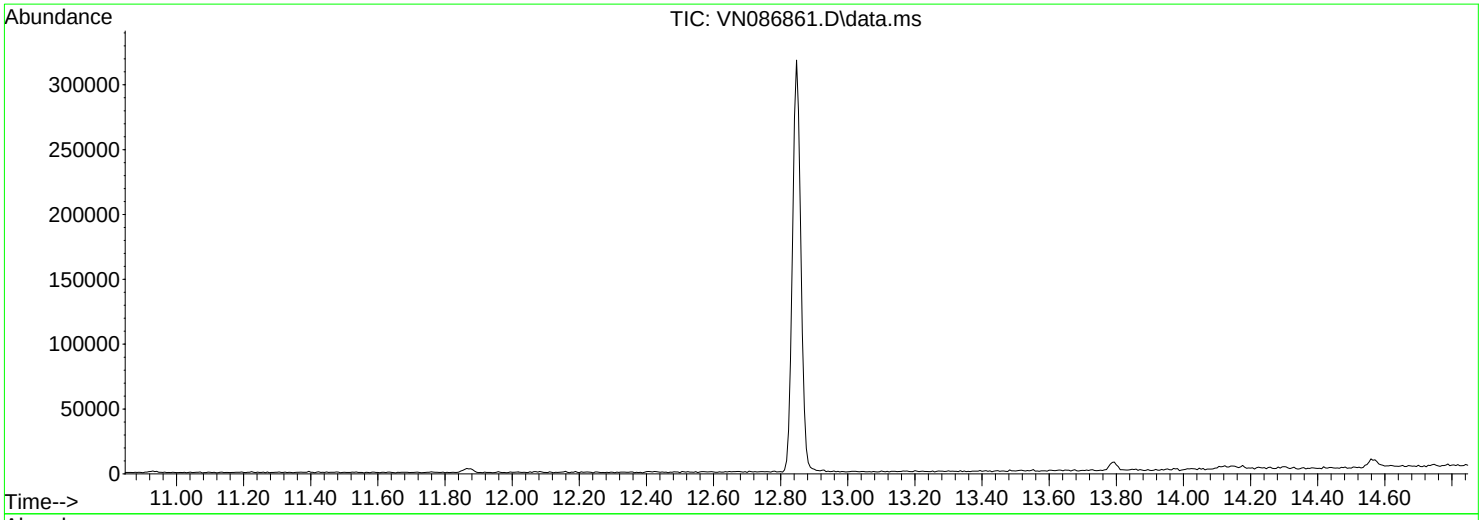
Sample Results: **VN086861.D**

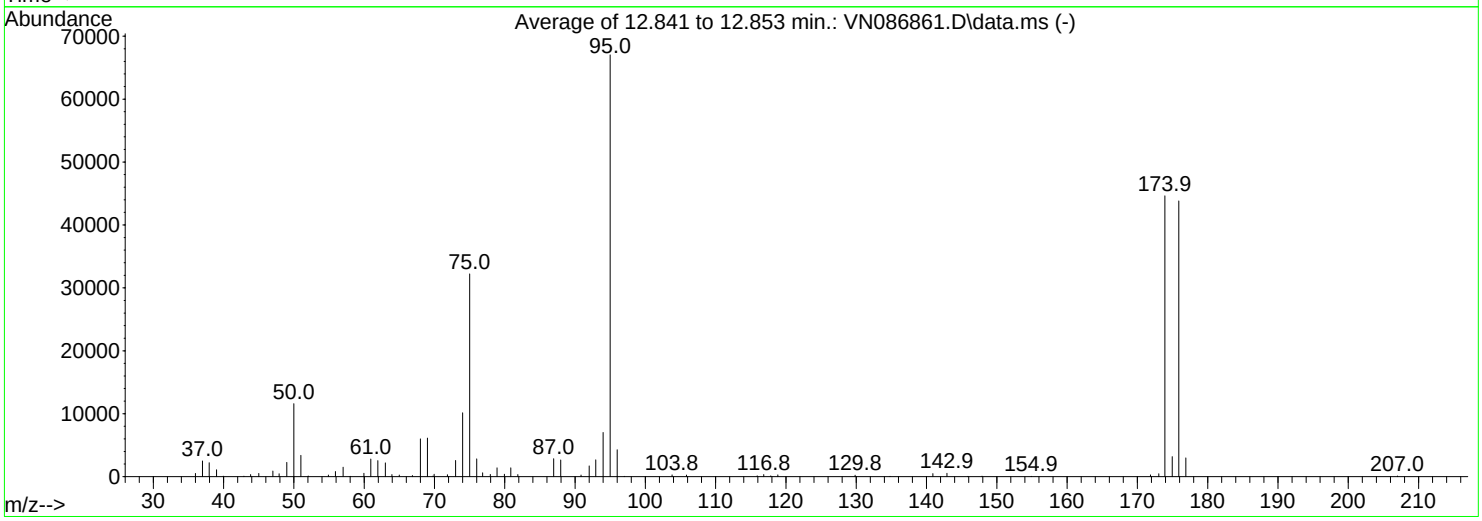
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086861.D
Acq On : 06 Jun 2025 07:59
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Title : SW846 8260
Last Update : Sat Jun 07 02:12:50 2025





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.3	11610	PASS
75	95	30	60	48.1	32235	PASS
95	95	100	100	100.0	67037	PASS
96	95	5	9	6.4	4284	PASS
173	174	0.00	2	1.0	453	PASS
174	95	50	100	66.6	44632	PASS
175	174	5	9	7.1	3184	PASS
176	174	95	101	98.1	43805	PASS
177	176	5	9	6.8	2979	PASS

Average of 12.841 to 12.853 min.: VN086861.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	508	50.00	11610	63.95	331	76.00	281
37.00	2495	51.00	3387	65.00	260	76.85	60
37.95	2209	52.05	112	66.85	177	77.95	34
39.00	1096	54.90	253	68.00	6008	78.90	141
39.95	84	55.90	806	69.00	6141	79.95	395
42.90	88	57.00	1501	69.80	100	80.85	1397
43.85	329	58.00	50	69.95	383	81.85	328
45.00	512	59.95	526	71.85	297	86.95	2851
47.00	882	60.95	2806	73.00	2562	87.95	2646
47.90	460	61.95	2535	74.00	10138	90.85	264
49.00	2276	63.00	2195	75.00	32235	92.00	1704

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN086861.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.95	2660	129.85	228	175.90	43805		
94.00	7029	134.80	66	176.90	2979		
95.00	67037	140.90	488	207.00	111		
96.00	4284	142.90	542				
97.00	57	145.90	54				
103.80	279	147.90	82				
105.85	267	154.90	64				
115.90	128	171.85	288				
116.85	345	173.05	453				
117.85	116	173.90	44632				
118.85	274	174.95	3184				

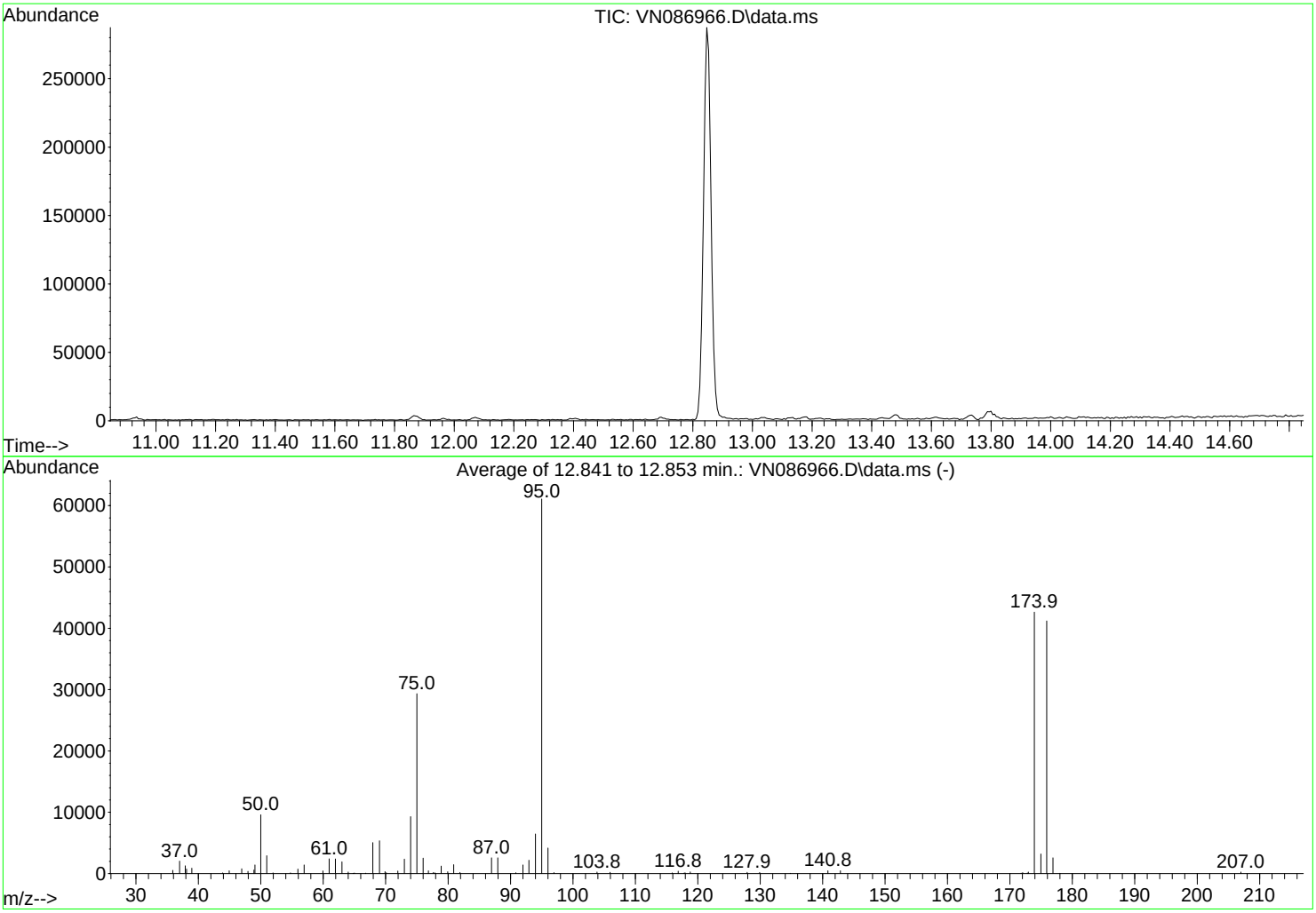
Sample Results: **VN086966.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086966.D
Acq On : 12 Jun 2025 10:25
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\82N060625W.M
Title : SW846 8260
Last Update : Sat Jun 07 02:12:50 2025



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.7	9593	PASS
75	95	30	60	48.0	29333	PASS
95	95	100	100	100.0	61077	PASS
96	95	5	9	6.8	4173	PASS
173	174	0.00	2	0.6	261	PASS
174	95	50	100	69.8	42635	PASS
175	174	5	9	7.5	3192	PASS
176	174	95	101	96.6	41189	PASS
177	176	5	9	6.2	2568	PASS

Average of 12.841 to 12.853 min.: VN086966.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.90	524	50.00	9593	64.80	52	76.00	252
37.00	2036	50.95	2916	65.00	82	76.85	46
37.90	1270	51.95	114	66.80	72	77.65	19
38.10	748	54.75	125	67.95	5061	77.90	12
38.95	873	55.95	733	69.00	5363	78.90	1239
43.90	127	56.95	1405	69.90	331	79.95	312
44.95	472	59.95	453	70.10	138	80.90	1450
46.95	797	60.95	2414	71.95	420	81.90	197
47.95	360	61.95	2399	73.00	2369	86.95	2566
48.90	571	63.00	1927	74.00	9297	87.95	2571
49.05	1425	64.00	259	75.00	29333	90.85	132

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN086966.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.00	1404	117.95	135	173.90	42635		
92.95	2173	118.80	291	174.95	3192		
94.00	6466	127.90	200	175.90	41189		
95.00	61077	129.90	179	176.90	2568		
96.00	4173	134.80	53	178.00	56		
96.95	155	140.85	472	207.00	257		
103.85	255	142.85	455				
105.95	221	171.80	64				
115.90	128	172.05	159				
116.85	389	172.80	93				
117.80	63	172.95	261				

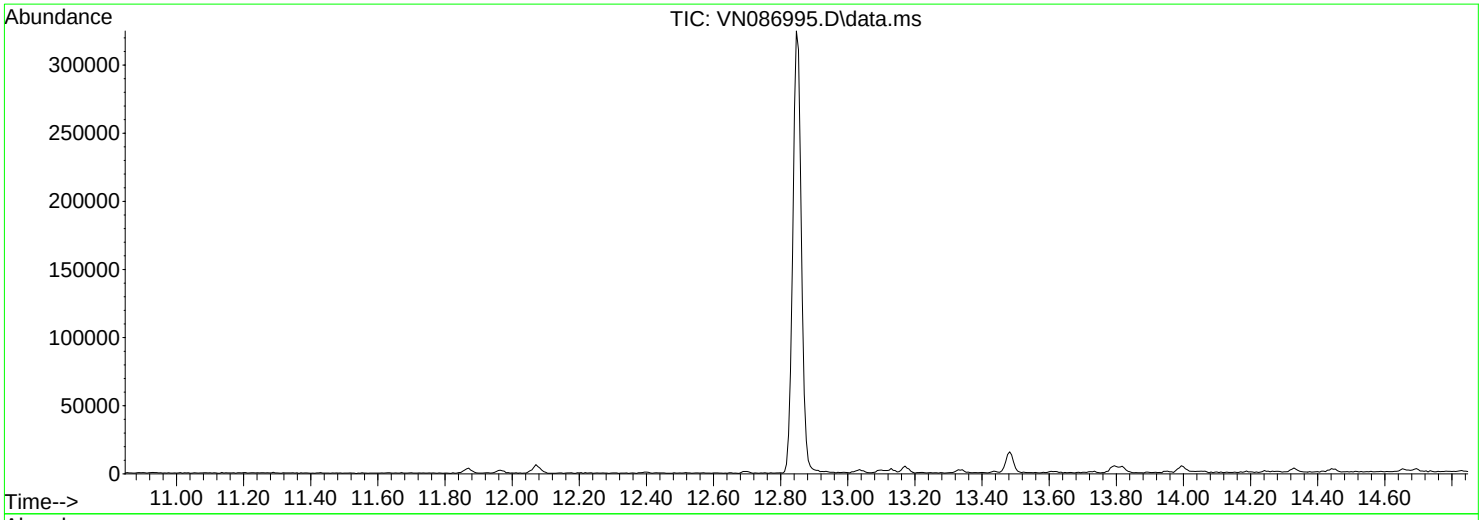
Sample Results: **VN086995.D**

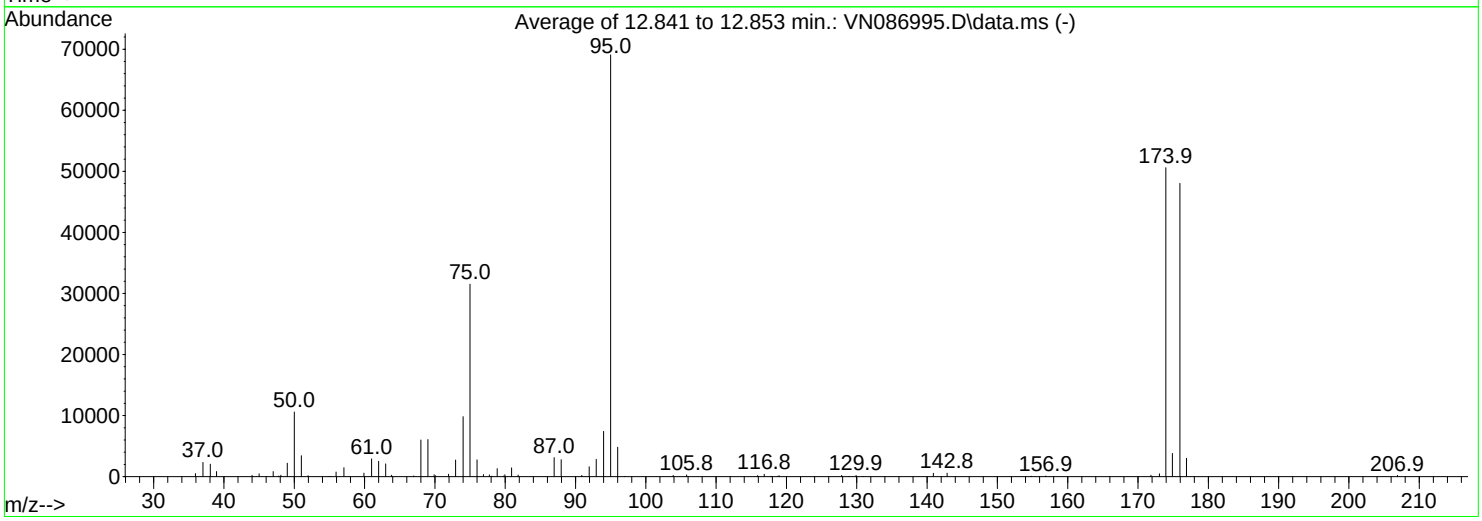
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN086995.D
Acq On : 13 Jun 2025 10:26
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Title : SW846 8260
Last Update : Sat Jun 07 02:12:50 2025





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.3	10594	PASS
75	95	30	60	45.6	31528	PASS
95	95	100	100	100.0	69080	PASS
96	95	5	9	7.0	4824	PASS
173	174	0.00	2	0.9	467	PASS
174	95	50	100	73.2	50592	PASS
175	174	5	9	7.5	3797	PASS
176	174	95	101	94.9	48037	PASS
177	176	5	9	6.3	3018	PASS

Average of 12.841 to 12.853 min.: VN086995.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	502	51.00	3443	67.00	147	77.75	27
37.00	2347	51.95	163	68.00	5999	78.10	8
38.05	2058	54.80	50	69.00	6072	78.85	130
38.95	843	55.10	54	69.90	305	79.80	11
44.00	215	55.95	750	70.10	171	79.95	318
45.00	483	57.05	1476	71.95	403	80.90	1433
47.00	846	59.90	569	72.95	2733	81.85	252
47.80	104	61.00	2919	74.00	9842	86.95	3110
48.10	225	62.00	2530	75.00	31528	87.95	2782
49.00	2194	63.00	2107	76.00	2749	90.90	210
50.00	10594	63.85	232	76.90	348	91.95	1631

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN086995.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.95	2835	118.80	70	173.05	467		
94.00	7405	118.95	170	173.95	50592		
95.00	69080	127.85	212	174.90	3797		
96.00	4824	128.90	62	175.95	48037		
97.00	51	129.90	216	176.90	3018		
103.90	222	130.90	53	206.90	203		
105.80	301	140.90	561				
115.90	197	142.85	568				
116.85	390	154.80	70				
117.70	57	156.90	104				
117.90	67	171.85	231				

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VN0612WBL01	SDG No.:	Q2302
Lab Sample ID:	VN0612WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086969.D	1		06/12/25 11:55	VN061225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Raw Data: **VN086969.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VN0612WBL01	SDG No.:	Q2302
Lab Sample ID:	VN0612WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086969.D	1		06/12/25 11:55	VN061225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.8		74 - 125	102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	52.4		86 - 113	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.3		77 - 121	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	293000	8.23			
540-36-3	1,4-Difluorobenzene	559000	9.106			
3114-55-4	Chlorobenzene-d5	497000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	240000	13.788			

Raw Data: **VN086969.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VN0612WBL01	SDG No.:	Q2302
Lab Sample ID:	VN0612WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086969.D	1		06/12/25 11:55	VN061225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086969.D
Acq On : 12 Jun 2025 11:55
Operator : JC\MD
Sample : VN0612WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBL01

Quant Time: Jun 13 01:24:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

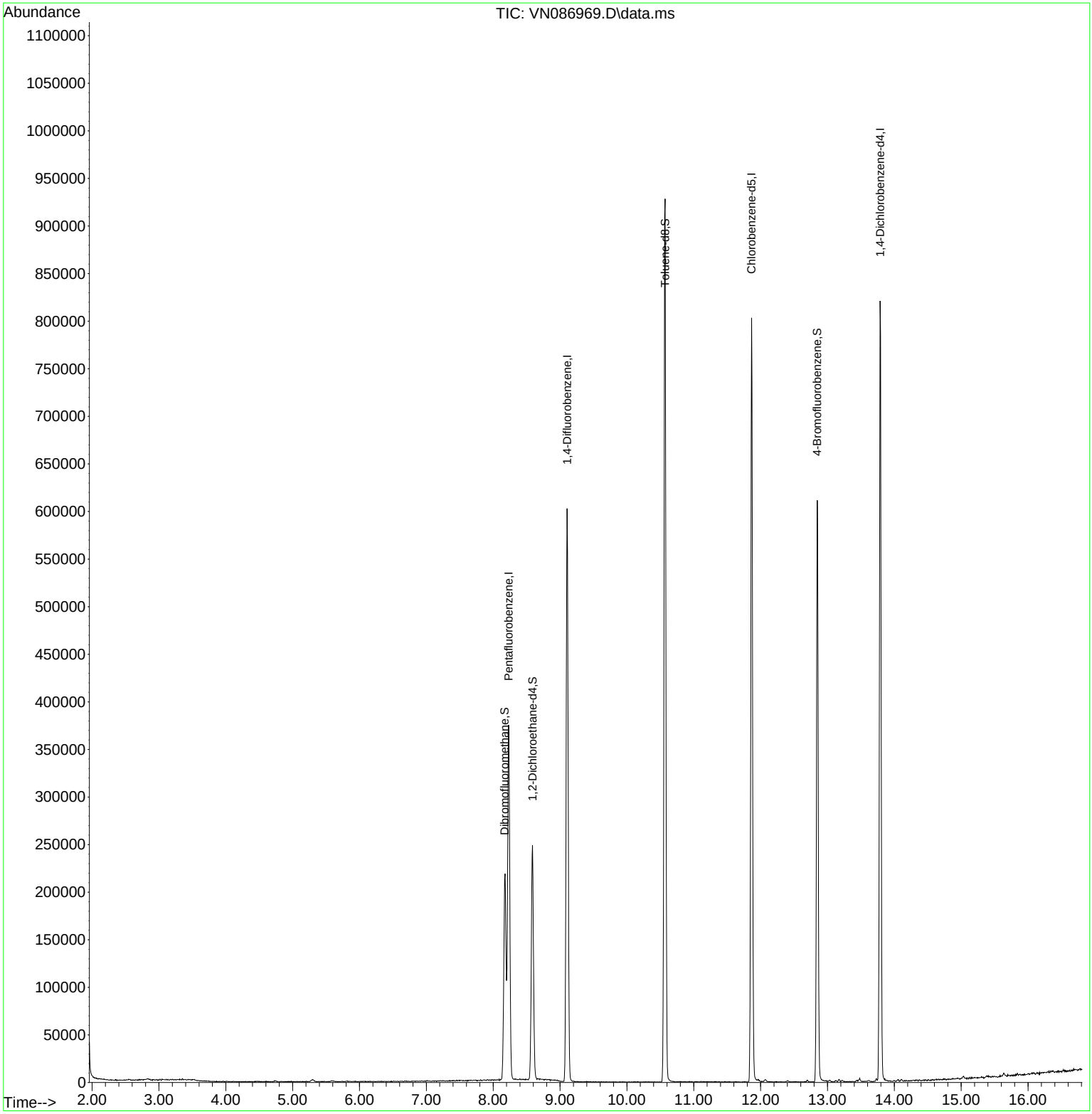
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	293212	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	559485	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	496764	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	239856	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	199589	50.841	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.680%			
35) Dibromofluoromethane	8.171	113	168556	50.837	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.680%			
50) Toluene-d8	10.571	98	688131	52.426	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.860%			
62) 4-Bromofluorobenzene	12.847	95	245215	50.284	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.560%			
Target Compounds						Qvalue

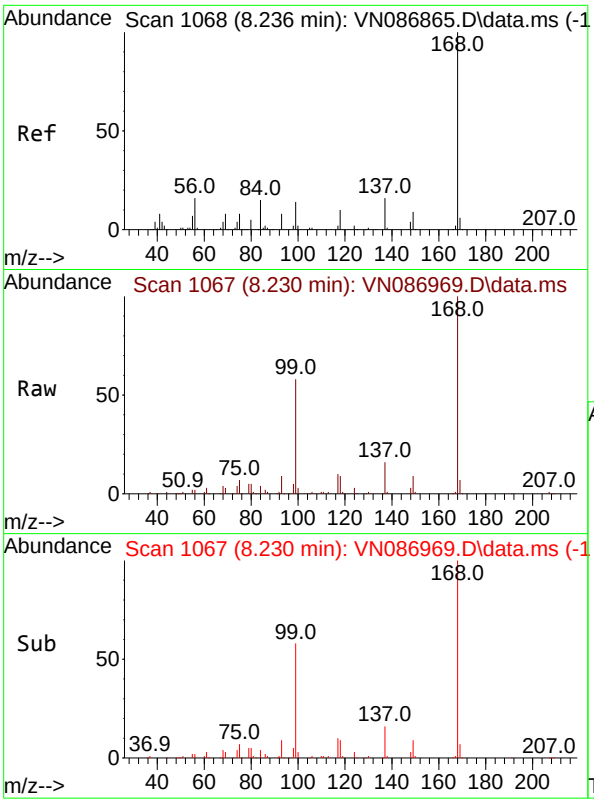
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086969.D
Acq On : 12 Jun 2025 11:55
Operator : JC\MD
Sample : VN0612WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBL01

Quant Time: Jun 13 01:24:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



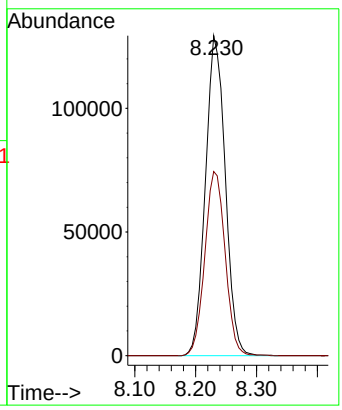


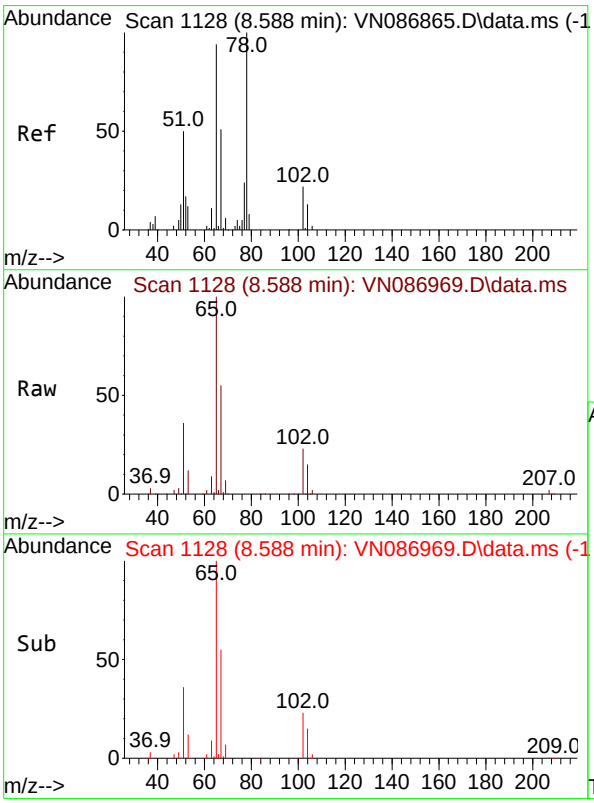
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086969.D
Acq: 12 Jun 2025 11:55

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBL01

Tgt Ion:168 Resp: 293212

Ion	Ratio	Lower	Upper
168	100		
99	57.5	49.1	73.7

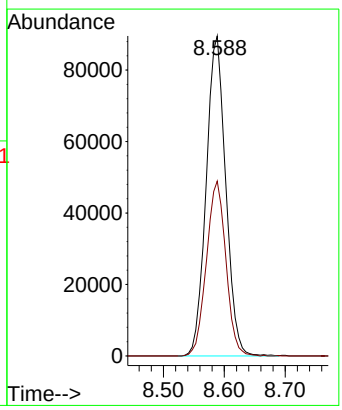


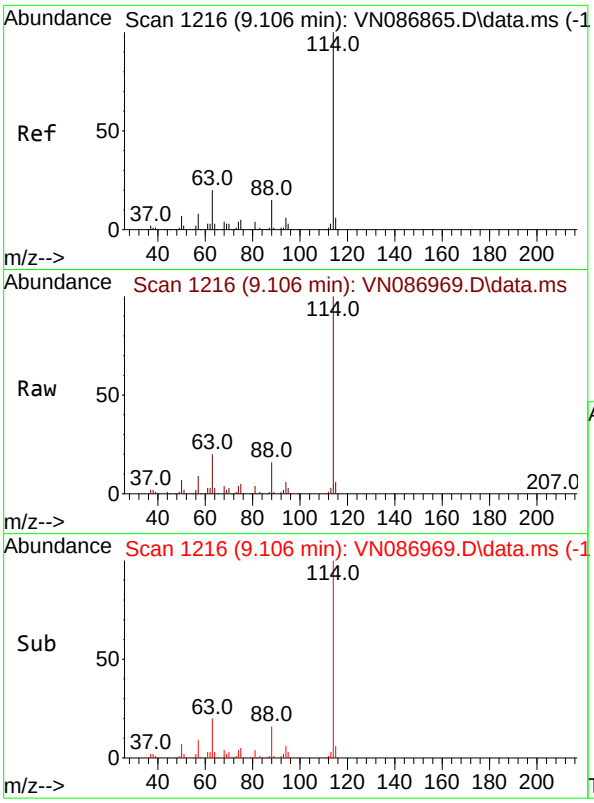


#33
1,2-Dichloroethane-d4
Concen: 50.841 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN086969.D
Acq: 12 Jun 2025 11:55

Tgt Ion: 65 Resp: 199589

Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	105.6



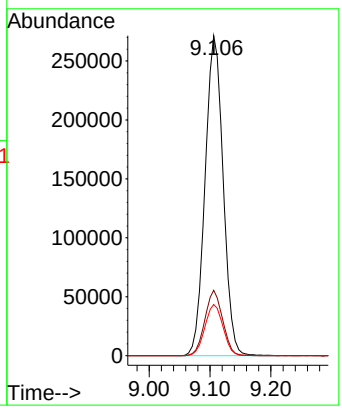


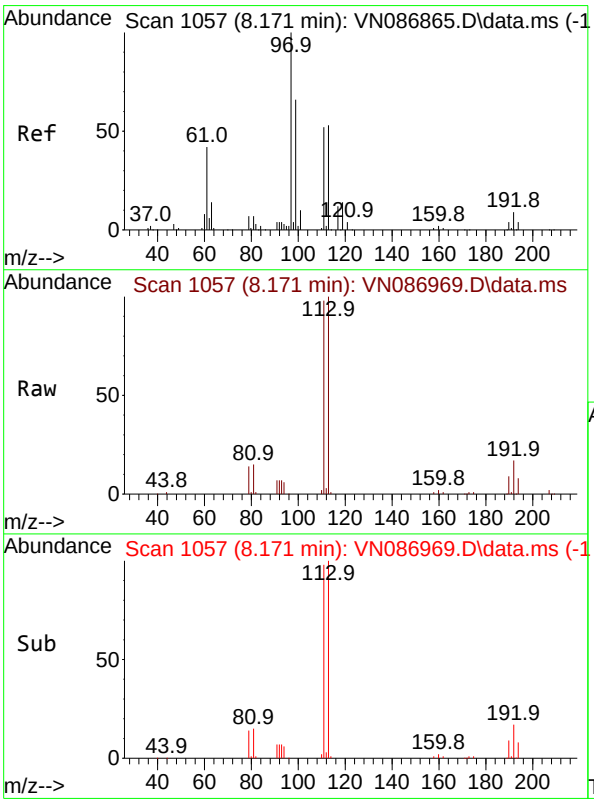
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086969.D
Acq: 12 Jun 2025 11:55

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBL01

Tgt Ion:114 Resp: 559485

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	39.6
88	16.0	0.0	30.2

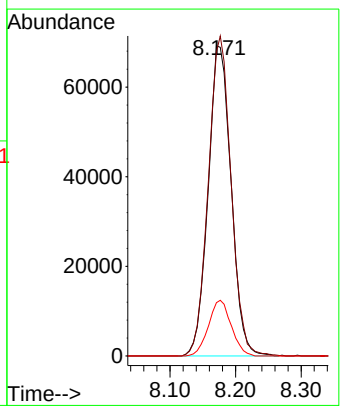


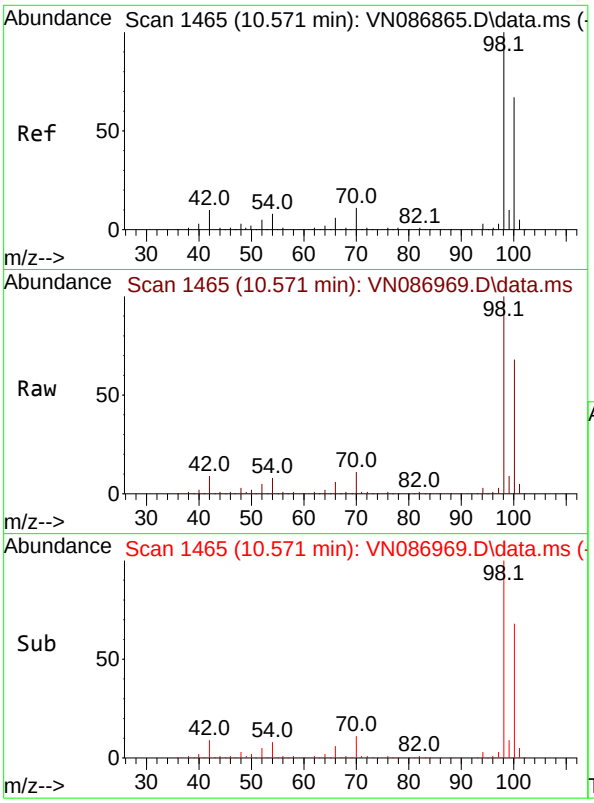


#35
Dibromofluoromethane
Concen: 50.837 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN086969.D
Acq: 12 Jun 2025 11:55

Tgt Ion:113 Resp: 168556

Ion	Ratio	Lower	Upper
113	100		
111	102.1	84.2	126.2
192	17.8	14.2	21.4



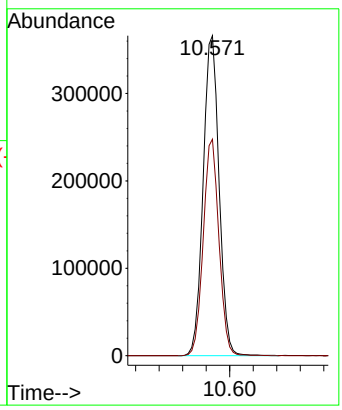


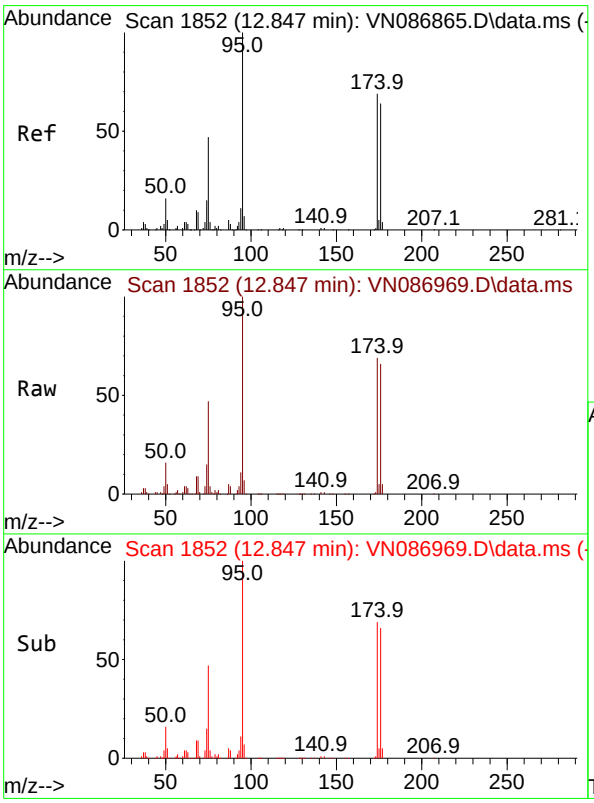
#50
Toluene-d8
Concen: 52.426 ug/l
RT: 10.571 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086969.D
Acq: 12 Jun 2025 11:55

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBL01

Tgt Ion: 98 Resp: 688131

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.4	80.0

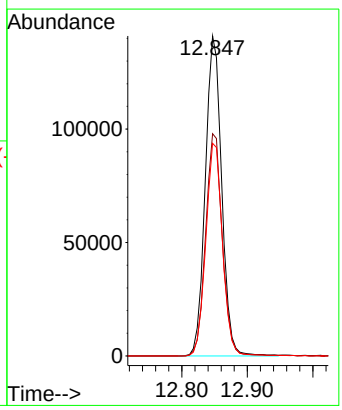


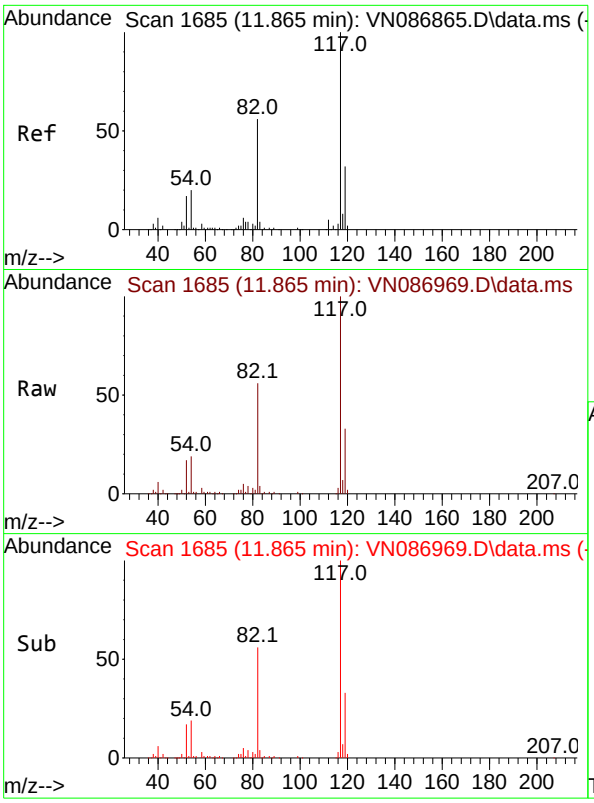


#62
4-Bromofluorobenzene
Concen: 50.284 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086969.D
Acq: 12 Jun 2025 11:55

Tgt Ion: 95 Resp: 245215

Ion	Ratio	Lower	Upper
95	100		
174	70.8	0.0	141.8
176	67.9	0.0	132.6



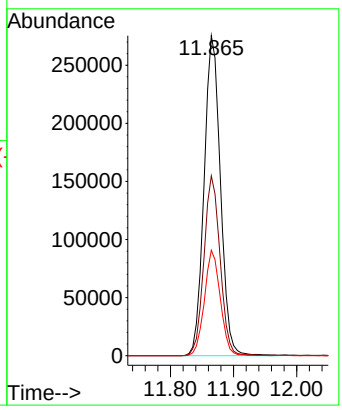


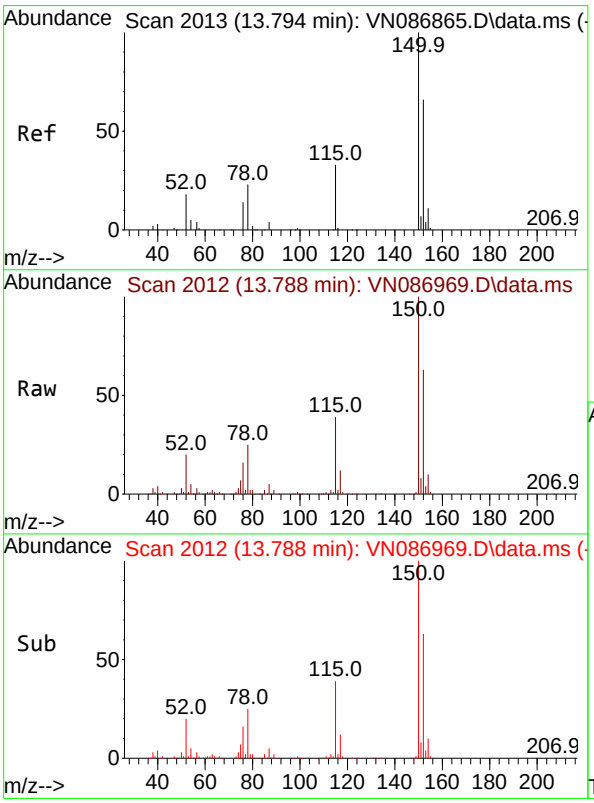
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086969.D
Acq: 12 Jun 2025 11:55

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBL01

Tgt Ion:117 Resp: 496764

Ion	Ratio	Lower	Upper
117	100		
82	56.2	44.6	67.0
119	32.9	25.5	38.3

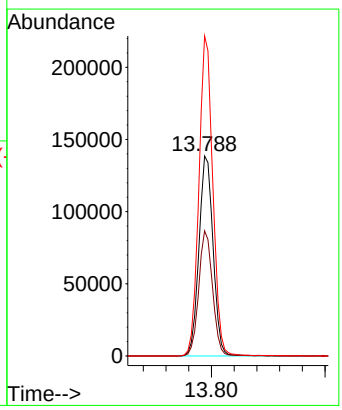




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086969.D
Acq: 12 Jun 2025 11:55

Tgt Ion:152 Resp: 239856

Ion	Ratio	Lower	Upper
152	100		
115	61.0	30.1	90.5
150	156.7	0.0	345.0



Sample Results: **VN086969.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086969.D
Acq On : 12 Jun 2025 11:55
Operator : JC\MD
Sample : VN0612WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Title : SW846 8260

Signal : TIC: VN086969.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.177	1047	1058	1062	rBV	216488	515827	29.54%	5.860%
2	8.230	1062	1067	1081	rVB	372372	849053	48.62%	9.646%
3	8.588	1117	1128	1139	rBV	246739	555372	31.80%	6.310%
4	9.106	1207	1216	1230	rBV	602109	1244939	71.29%	14.144%
5	10.571	1456	1465	1484	rBV	928049	1746291	100.00%	19.840%
6	11.865	1676	1685	1698	rBV	802892	1436305	82.25%	16.318%
7	12.847	1845	1852	1867	rBV	610934	1058819	60.63%	12.029%
8	13.788	2005	2012	2023	rBV	818683	1395420	79.91%	15.853%

Sum of corrected areas: 8802026

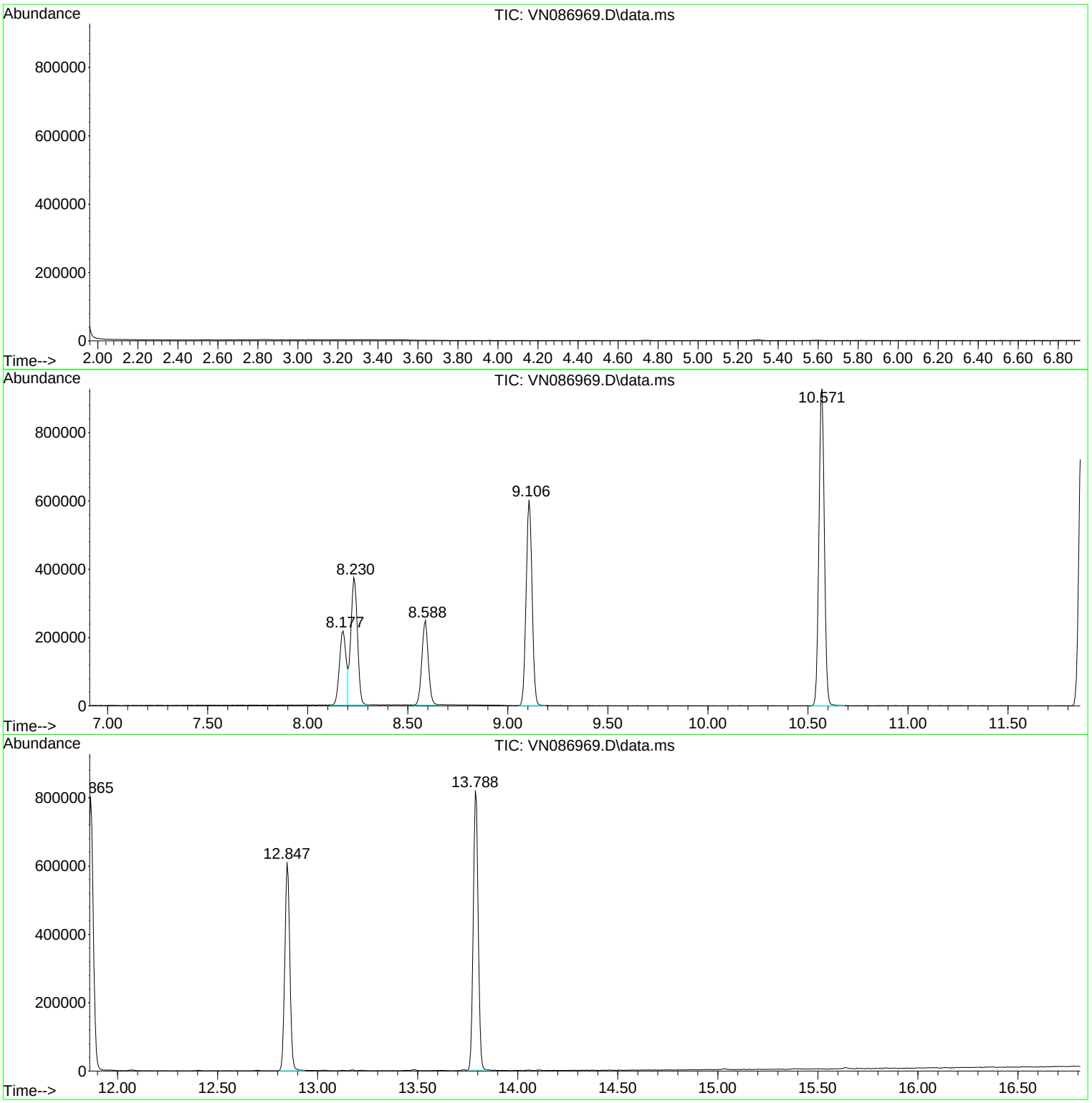
Sample Results: **VN086969.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086969.D
Acq On : 12 Jun 2025 11:55
Operator : JC\MD
Sample : VN0612WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VN086969.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086969.D
Acq On : 12 Jun 2025 11:55
Operator : JC\MD
Sample : VN0612WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086969.D
Acq On : 12 Jun 2025 11:55
Operator : JC\MD
Sample : VN0612WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VN0613WBL01	SDG No.:	Q2302
Lab Sample ID:	VN0613WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086998.D	1		06/13/25 13:47	VN061325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Raw Data: **VN086998.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VN0613WBL01	SDG No.:	Q2302
Lab Sample ID:	VN0613WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086998.D	1		06/13/25 13:47	VN061325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.9		74 - 125	96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		75 - 124	99%	SPK: 50
2037-26-5	Toluene-d8	51.8		86 - 113	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.5		77 - 121	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	317000	8.235			
540-36-3	1,4-Difluorobenzene	607000	9.106			
3114-55-4	Chlorobenzene-d5	536000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	258000	13.788			

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VN0613WBL01	SDG No.:	Q2302
Lab Sample ID:	VN0613WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086998.D	1		06/13/25 13:47	VN061325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN086998.D
Acq On : 13 Jun 2025 13:47
Operator : JC\MD
Sample : VN0613WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBL01

Quant Time: Jun 14 00:27:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

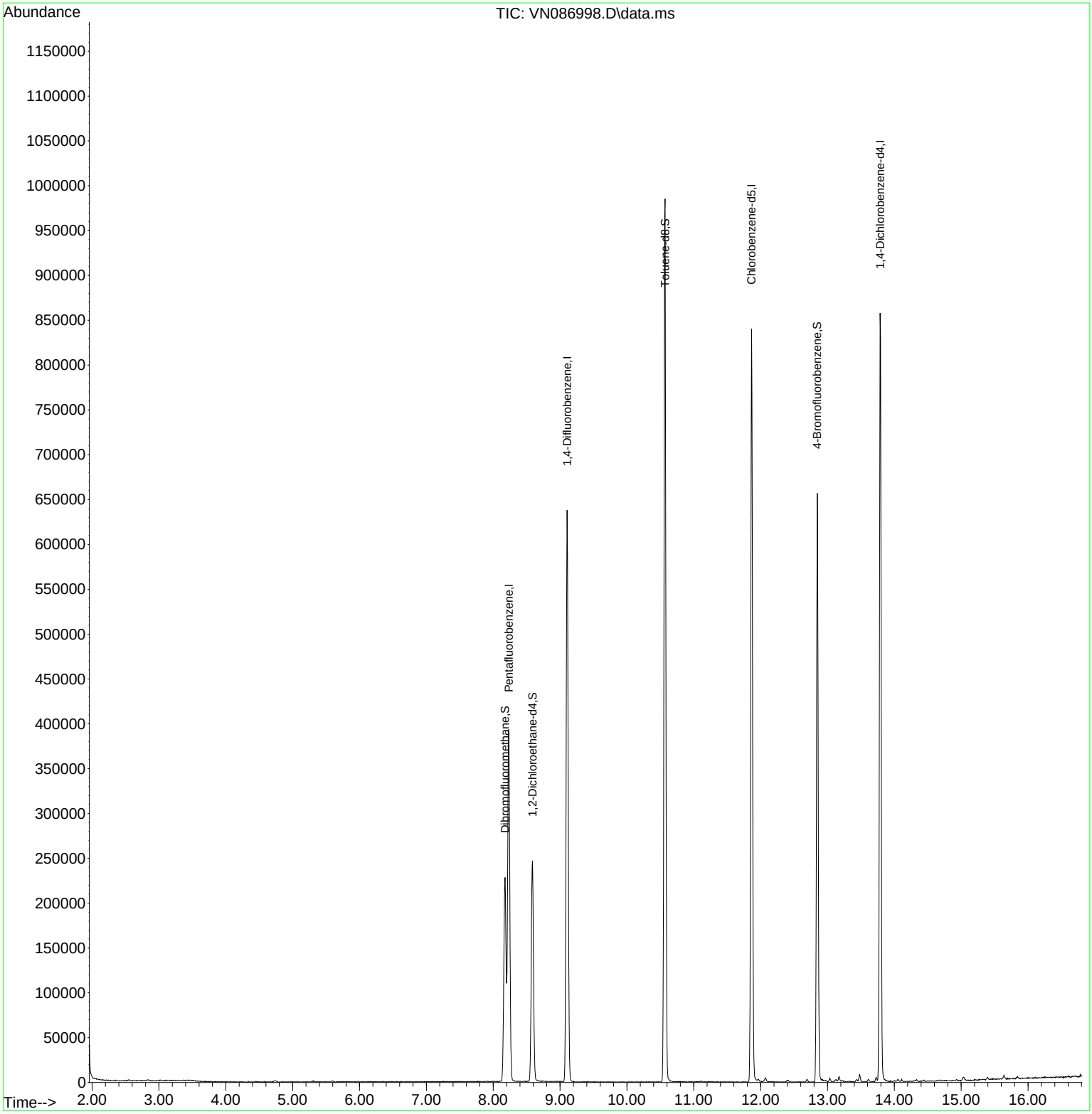
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	317214	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	606954	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	536496	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	258118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	203647	47.949	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.900%			
35) Dibromofluoromethane	8.177	113	177333	49.301	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.600%			
50) Toluene-d8	10.570	98	737326	51.781	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.560%			
62) 4-Bromofluorobenzene	12.847	95	261903	49.506	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.020%			
Target Compounds						Qvalue

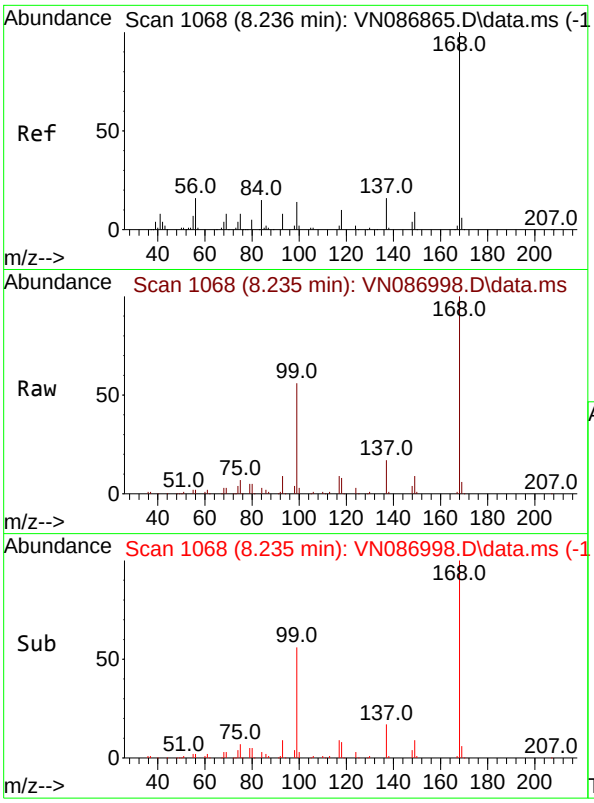
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN086998.D
Acq On : 13 Jun 2025 13:47
Operator : JC\MD
Sample : VN0613WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBL01

Quant Time: Jun 14 00:27:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



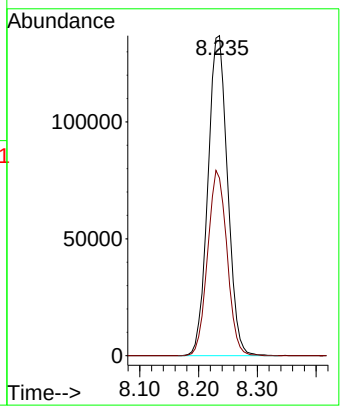


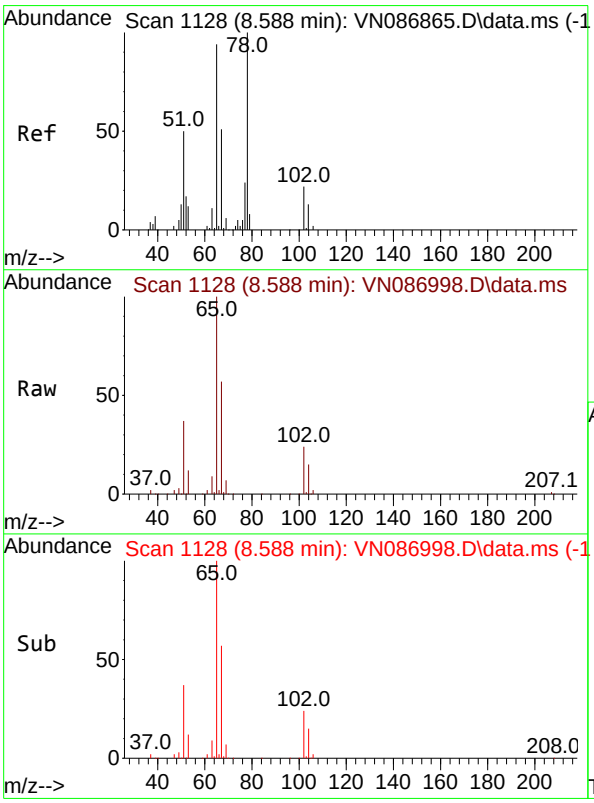
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN086998.D
Acq: 13 Jun 2025 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBL01

Tgt Ion:168 Resp: 317214

Ion	Ratio	Lower	Upper
168	100		
99	55.5	49.1	73.7

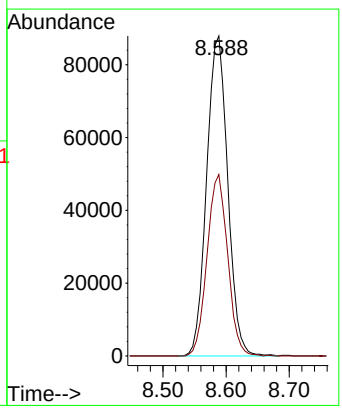


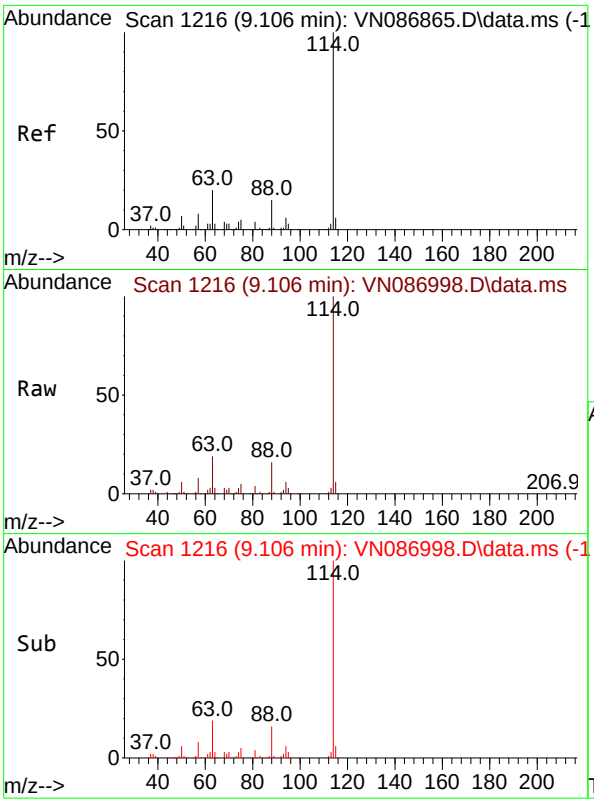


#33
1,2-Dichloroethane-d4
Concen: 47.949 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN086998.D
Acq: 13 Jun 2025 13:47

Tgt Ion: 65 Resp: 203647

Ion	Ratio	Lower	Upper
65	100		
67	55.5	0.0	105.6



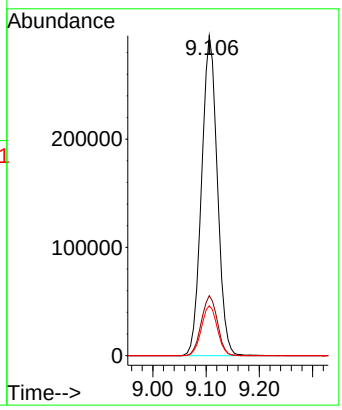


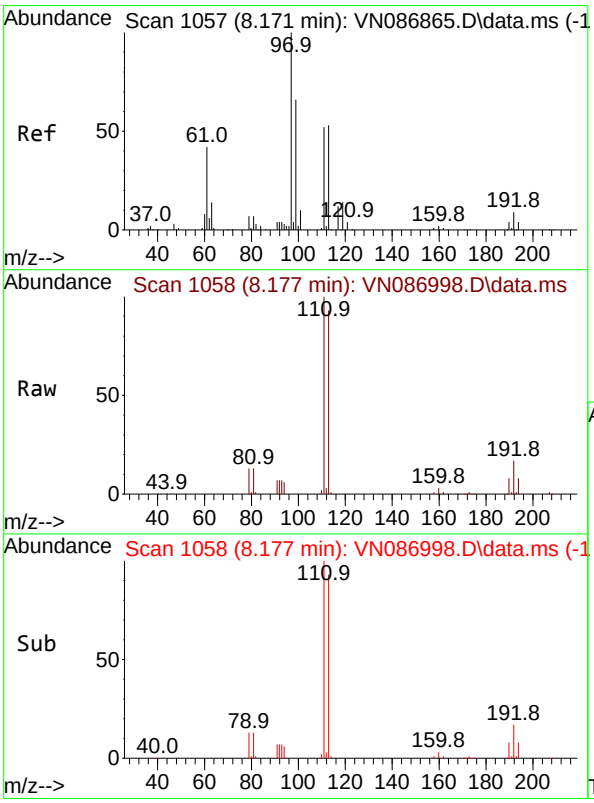
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086998.D
Acq: 13 Jun 2025 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBL01

Tgt Ion:114 Resp: 606954

Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	39.6
88	15.6	0.0	30.2

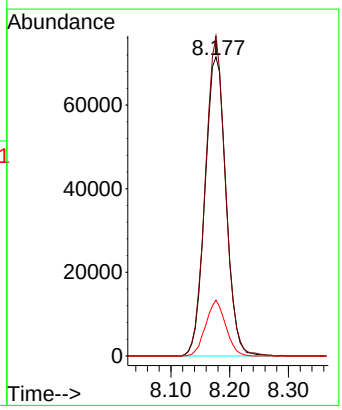


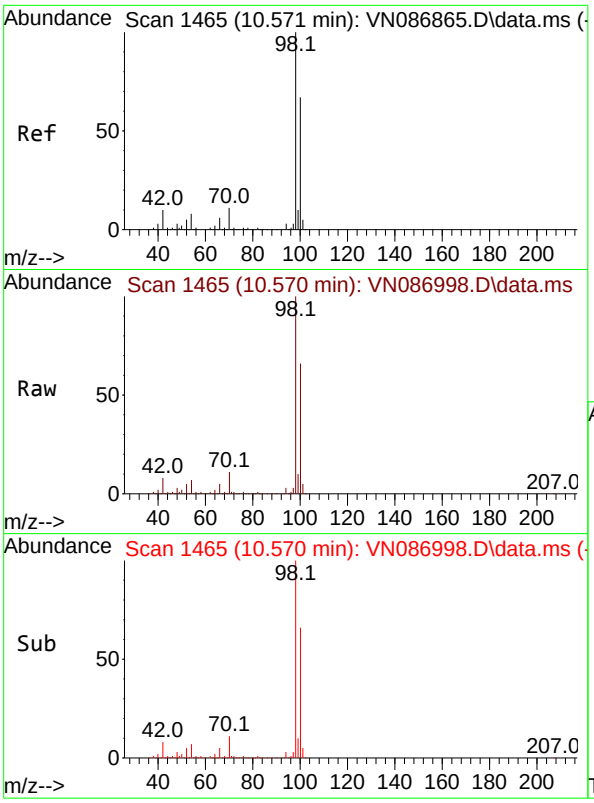


#35
Dibromofluoromethane
Concen: 49.301 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN086998.D
Acq: 13 Jun 2025 13:47

Tgt Ion:113 Resp: 177333

Ion	Ratio	Lower	Upper
113	100		
111	102.9	84.2	126.2
192	17.7	14.2	21.4



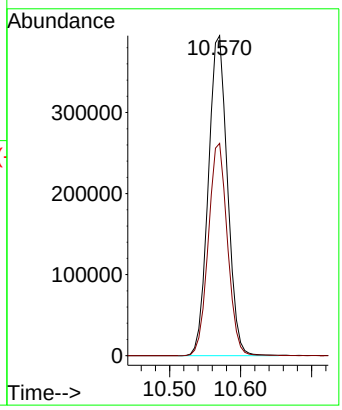


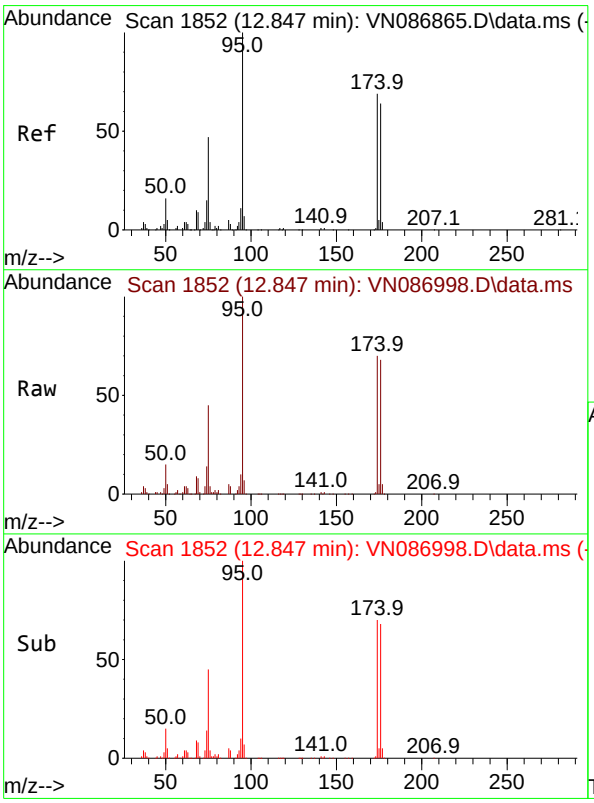
#50
Toluene-d8
Concen: 51.781 ug/l
RT: 10.570 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086998.D
Acq: 13 Jun 2025 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBL01

Tgt Ion: 98 Resp: 737326

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.4	80.0

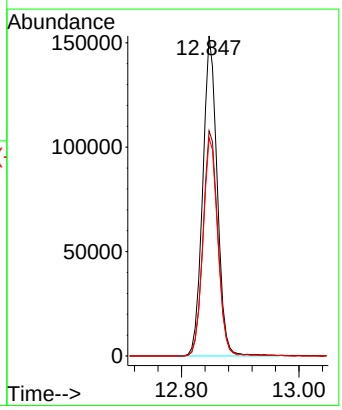


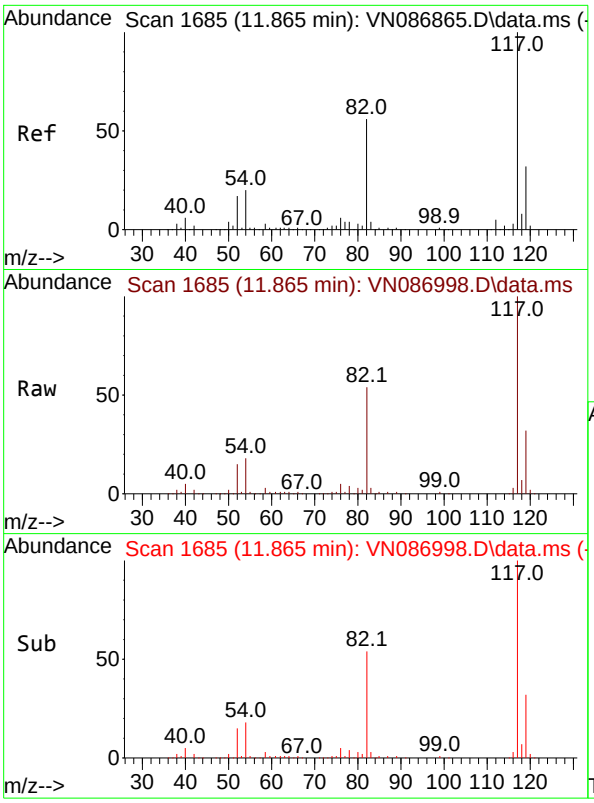


#62
4-Bromofluorobenzene
Concen: 49.506 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086998.D
Acq: 13 Jun 2025 13:47

Tgt Ion: 95 Resp: 261903

Ion	Ratio	Lower	Upper
95	100		
174	72.4	0.0	141.8
176	69.3	0.0	132.6



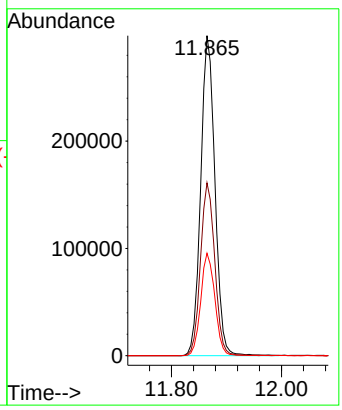


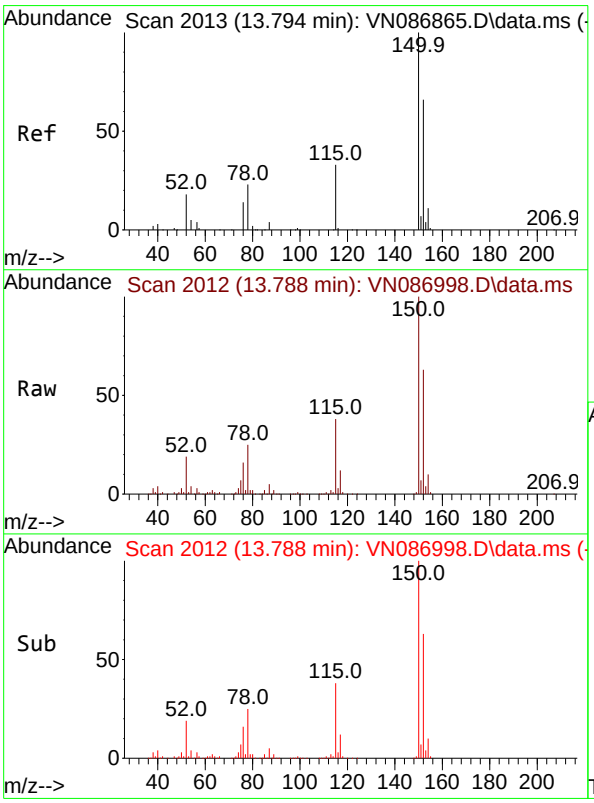
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086998.D
Acq: 13 Jun 2025 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBL01

Tgt Ion:117 Resp: 536496

Ion	Ratio	Lower	Upper
117	100		
82	54.0	44.6	67.0
119	32.0	25.5	38.3

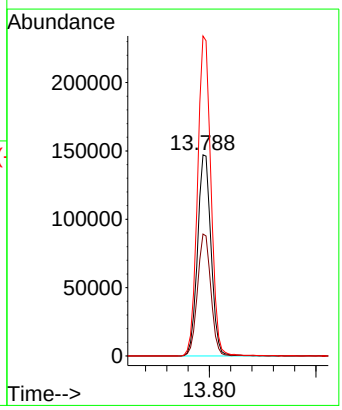




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086998.D
Acq: 13 Jun 2025 13:47

Tgt Ion:152 Resp: 258118

Ion	Ratio	Lower	Upper
152	100		
115	60.0	30.1	90.5
150	157.8	0.0	345.0



Sample Results: **VN086998.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN086998.D
Acq On : 13 Jun 2025 13:47
Operator : JC\MD
Sample : VN0613WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Title : SW846 8260

Signal : TIC: VN086998.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.177	1047	1058	1062	rBV	227410	541411	29.31%	5.832%
2	8.229	1062	1067	1082	rVB	390900	900893	48.77%	9.704%
3	8.588	1118	1128	1140	rBV	246205	570264	30.87%	6.142%
4	9.106	1206	1216	1231	rBV	637385	1313866	71.12%	14.152%
5	10.570	1454	1465	1478	rBV	984884	1847385	100.00%	19.899%
6	11.865	1677	1685	1699	rBV	839818	1519496	82.25%	16.367%
7	12.847	1844	1852	1862	rBV	656369	1117102	60.47%	12.033%
8	13.788	2005	2012	2023	rBV	855638	1473543	79.76%	15.872%

Sum of corrected areas: 9283960

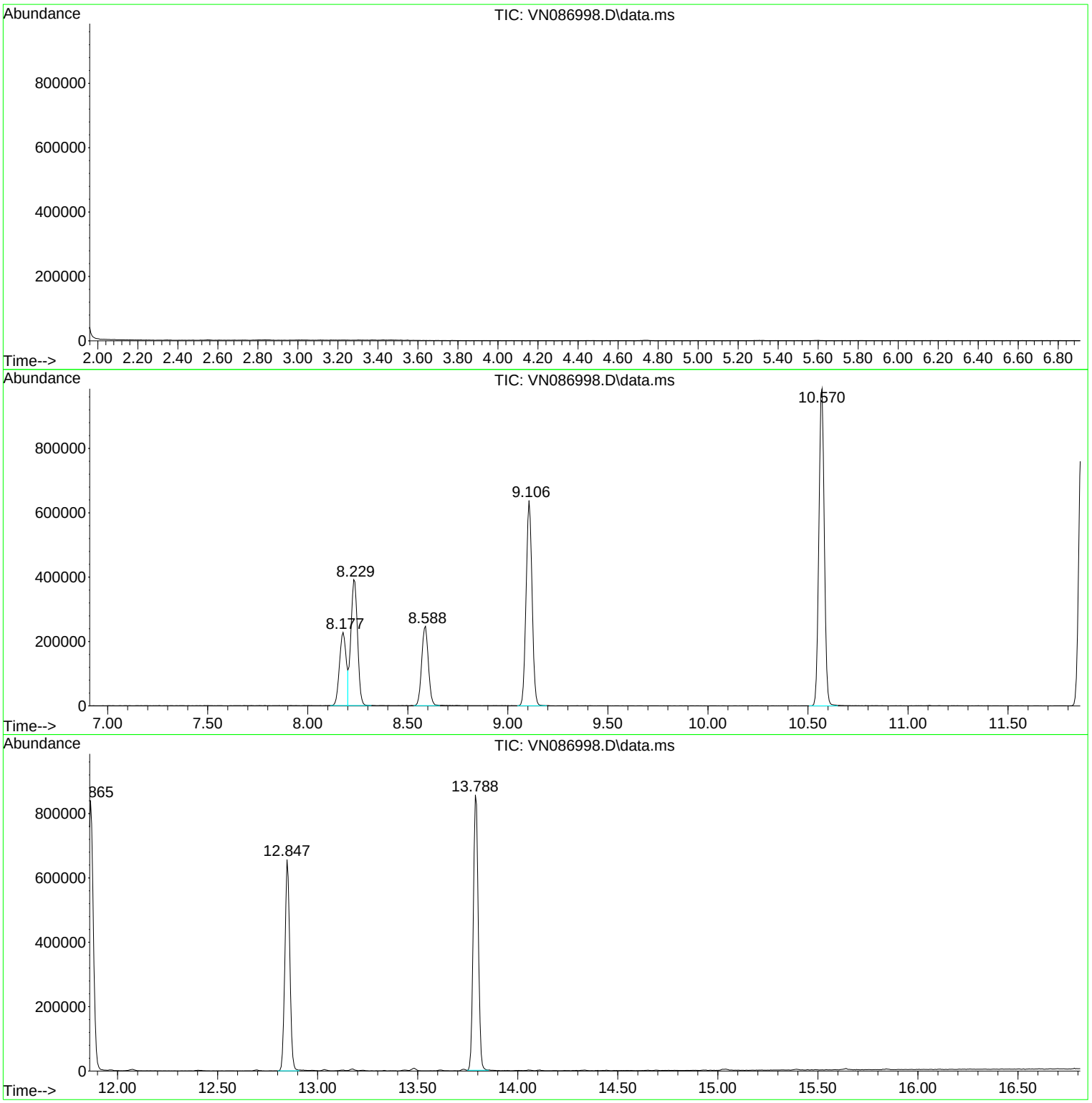
Sample Results: **VN086998.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN086998.D
Acq On : 13 Jun 2025 13:47
Operator : JC\MD
Sample : VN0613WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VN086998.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN086998.D
Acq On : 13 Jun 2025 13:47
Operator : JC\MD
Sample : VN0613WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN086998.D
Acq On : 13 Jun 2025 13:47
Operator : JC\MD
Sample : VN0613WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VN0612WBS01	SDG No.:	Q2302
Lab Sample ID:	VN0612WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086970.D	1		06/12/25 12:17	VN061225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	21.1		0.22	1.00	ug/L
74-87-3	Chloromethane	17.5		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	21.0		0.26	1.00	ug/L
74-83-9	Bromomethane	17.5		1.40	5.00	ug/L
75-00-3	Chloroethane	21.8		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	21.7		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.3		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	21.1		0.23	1.00	ug/L
67-64-1	Acetone	98.2		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	19.0		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.9		0.16	1.00	ug/L
79-20-9	Methyl Acetate	22.0		0.27	1.00	ug/L
75-09-2	Methylene Chloride	21.2		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.4		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	22.0		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.9		1.50	5.00	ug/L
78-93-3	2-Butanone	100		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	21.6		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	22.0		0.19	1.00	ug/L
74-97-5	Bromochloromethane	23.7		0.22	1.00	ug/L
67-66-3	Chloroform	21.9		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	21.7		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	17.5		0.16	1.00	ug/L
71-43-2	Benzene	21.3		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.8		0.22	1.00	ug/L
79-01-6	Trichloroethene	21.0		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	22.3		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	22.0		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L
108-88-3	Toluene	21.1		0.14	1.00	ug/L

Raw Data: **VN086970.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VN0612WBS01	SDG No.:	Q2302
Lab Sample ID:	VN0612WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086970.D	1		06/12/25 12:17	VN061225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	22.1		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	22.0		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	22.8		0.21	1.00	ug/L
591-78-6	2-Hexanone	97.9		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	22.3		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	22.1		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	19.7		0.23	1.00	ug/L
108-90-7	Chlorobenzene	21.7		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	20.9		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	42.5		0.24	2.00	ug/L
95-47-6	o-Xylene	21.4		0.12	1.00	ug/L
100-42-5	Styrene	21.4		0.15	1.00	ug/L
75-25-2	Bromoform	22.9		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	20.5		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	22.7		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	21.3		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	22.0		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	21.9		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.6		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.6		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.1		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.9		74 - 125	108%	SPK: 50
1868-53-7	Dibromofluoromethane	55.8		75 - 124	112%	SPK: 50
2037-26-5	Toluene-d8	53.3		86 - 113	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.4		77 - 121	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	173000	8.236			
540-36-3	1,4-Difluorobenzene	314000	9.106			
3114-55-4	Chlorobenzene-d5	275000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	137000	13.788			

Raw Data: **VN086970.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VN0612WBS01	SDG No.:	Q2302
Lab Sample ID:	VN0612WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086970.D	1		06/12/25 12:17	VN061225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086970.D
Acq On : 12 Jun 2025 12:17
Operator : JC\MD
Sample : VN0612WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 13 01:25:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.236	168	173273	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	314156	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	274906	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	136822	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	125156	53.948	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.900%			
35) Dibromofluoromethane	8.177	113	103933	55.825	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.660%			
50) Toluene-d8	10.571	98	392546	53.261	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.520%			
62) 4-Bromofluorobenzene	12.847	95	148970	54.403	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	36460	21.104	ug/l	97
3) Chloromethane	2.401	50	38958	17.463	ug/l	97
4) Vinyl Chloride	2.554	62	48328	21.000	ug/l	98
5) Bromomethane	3.001	94	22531	17.495	ug/l	97
6) Chloroethane	3.159	64	32356	21.766	ug/l	92
7) Trichlorofluoromethane	3.530	101	65233	21.695	ug/l	95
8) Diethyl Ether	3.983	74	28350	21.641	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.395	101	40180	21.270	ug/l	98
10) Methyl Iodide	4.618	142	23501	9.597	ug/l	97
11) Tert butyl alcohol	5.536	59	65618	104.240	ug/l	99
12) 1,1-Dichloroethene	4.365	96	40676	21.091	ug/l	93
13) Acrolein	4.200	56	33747	169.365	ug/l	99
14) Allyl chloride	5.047	41	63299	19.791	ug/l	98
15) Acrylonitrile	5.736	53	156430	106.318	ug/l	100
16) Acetone	4.447	43	120863	98.240	ug/l	96
17) Carbon Disulfide	4.736	76	101323	18.993	ug/l	100
18) Methyl Acetate	5.047	43	78773	21.972	ug/l	99
19) Methyl tert-butyl Ether	5.818	73	152749	21.875	ug/l	98
20) Methylene Chloride	5.295	84	48876	21.220	ug/l	95
21) trans-1,2-Dichloroethene	5.806	96	43818	20.421	ug/l	92
22) Diisopropyl ether	6.689	45	145101	21.522	ug/l	97
23) Vinyl Acetate	6.618	43	611650	107.377	ug/l	98
24) 1,1-Dichloroethane	6.589	63	85515	22.040	ug/l	99
25) 2-Butanone	7.494	43	205713	102.868	ug/l	98
26) 2,2-Dichloropropane	7.506	77	71534	23.702	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	56478	22.009	ug/l	96
28) Bromochloromethane	7.824	49	45259	23.725	ug/l	97
29) Tetrahydrofuran	7.853	42	135775	104.225	ug/l	98
30) Chloroform	7.977	83	84684	21.856	ug/l	98
31) Cyclohexane	8.265	56	71299	18.949	ug/l	99
32) 1,1,1-Trichloroethane	8.183	97	71493	21.694	ug/l	95
36) 1,1-Dichloropropene	8.383	75	58526	21.096	ug/l	99
37) Ethyl Acetate	7.571	43	74748	21.166	ug/l	99
38) Carbon Tetrachloride	8.371	117	58792	21.586	ug/l	95
39) Methylcyclohexane	9.606	83	66682	17.544	ug/l	98
40) Benzene	8.612	78	193460	21.326	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086970.D
Acq On : 12 Jun 2025 12:17
Operator : JC\MD
Sample : VN0612WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 13 01:25:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.794	41	41896	21.124 ug/l		97
42) 1,2-Dichloroethane	8.677	62	59956	21.790 ug/l		99
43) Isopropyl Acetate	8.694	43	117544	20.737 ug/l		98
44) Trichloroethene	9.359	130	45088	20.961 ug/l		98
45) 1,2-Dichloropropane	9.624	63	49243	22.312 ug/l		100
46) Dibromomethane	9.712	93	32843	22.404 ug/l		98
47) Bromodichloromethane	9.894	83	66358	22.001 ug/l		98
48) Methyl methacrylate	9.688	41	52047	19.950 ug/l		98
49) 1,4-Dioxane	9.706	88	21261	447.966 ug/l	#	97
51) 4-Methyl-2-Pentanone	10.447	43	359377	105.318 ug/l		98
52) Toluene	10.629	92	116927	21.091 ug/l		99
53) t-1,3-Dichloropropene	10.835	75	74495	22.088 ug/l		95
54) cis-1,3-Dichloropropene	10.318	75	79382	21.998 ug/l		98
55) 1,1,2-Trichloroethane	11.018	97	48547	22.758 ug/l		98
56) Ethyl methacrylate	10.882	69	73030	21.494 ug/l		97
57) 1,3-Dichloropropane	11.165	76	80790	21.832 ug/l		99
58) 2-Chloroethyl Vinyl ether	10.165	63	200203	98.789 ug/l		100
59) 2-Hexanone	11.206	43	215266	97.938 ug/l		95
60) Dibromochloromethane	11.359	129	49479	22.262 ug/l		99
61) 1,2-Dibromoethane	11.471	107	48402	22.136 ug/l		98
64) Tetrachloroethene	11.106	164	34241	19.681 ug/l		98
65) Chlorobenzene	11.894	112	131549	21.697 ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	43218	22.175 ug/l		99
67) Ethyl Benzene	11.965	91	217992	20.873 ug/l		98
68) m/p-Xylenes	12.071	106	169820	42.478 ug/l		99
69) o-Xylene	12.400	106	82017	21.421 ug/l		100
70) Styrene	12.412	104	140183	21.396 ug/l		99
71) Bromoform	12.576	173	33139	22.948 ug/l	#	99
73) Isopropylbenzene	12.694	105	204530	20.519 ug/l		99
74) N-amyl acetate	12.535	43	56544	16.234 ug/l		93
75) 1,1,2,2-Tetrachloroethane	12.941	83	76512	22.658 ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	66026m	20.301 ug/l		
77) Bromobenzene	12.982	156	50066	21.902 ug/l		98
78) n-propylbenzene	13.035	91	247511	20.433 ug/l		99
79) 2-Chlorotoluene	13.123	91	152249	20.958 ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	170818	20.757 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	27273	19.304 ug/l		98
82) 4-Chlorotoluene	13.218	91	155948	21.216 ug/l		99
83) tert-Butylbenzene	13.435	119	151864	20.160 ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	169546	20.546 ug/l		98
85) sec-Butylbenzene	13.618	105	210831	19.272 ug/l		100
86) p-Isopropyltoluene	13.729	119	175806	19.441 ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	95865	21.315 ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	100746	21.971 ug/l		99
89) n-Butylbenzene	14.053	91	163452	18.661 ug/l		99
90) Hexachloroethane	14.329	117	30880	20.146 ug/l		97
91) 1,2-Dichlorobenzene	14.106	146	94471	21.864 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	16648	20.615 ug/l		95
93) 1,2,4-Trichlorobenzene	15.394	180	54215	19.649 ug/l		98
94) Hexachlorobutadiene	15.500	225	17038	16.574 ug/l		98
95) Naphthalene	15.635	128	210396	20.486 ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	52332	19.090 ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086970.D
Acq On : 12 Jun 2025 12:17
Operator : JC\MD
Sample : VN0612WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 13 01:25:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

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

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

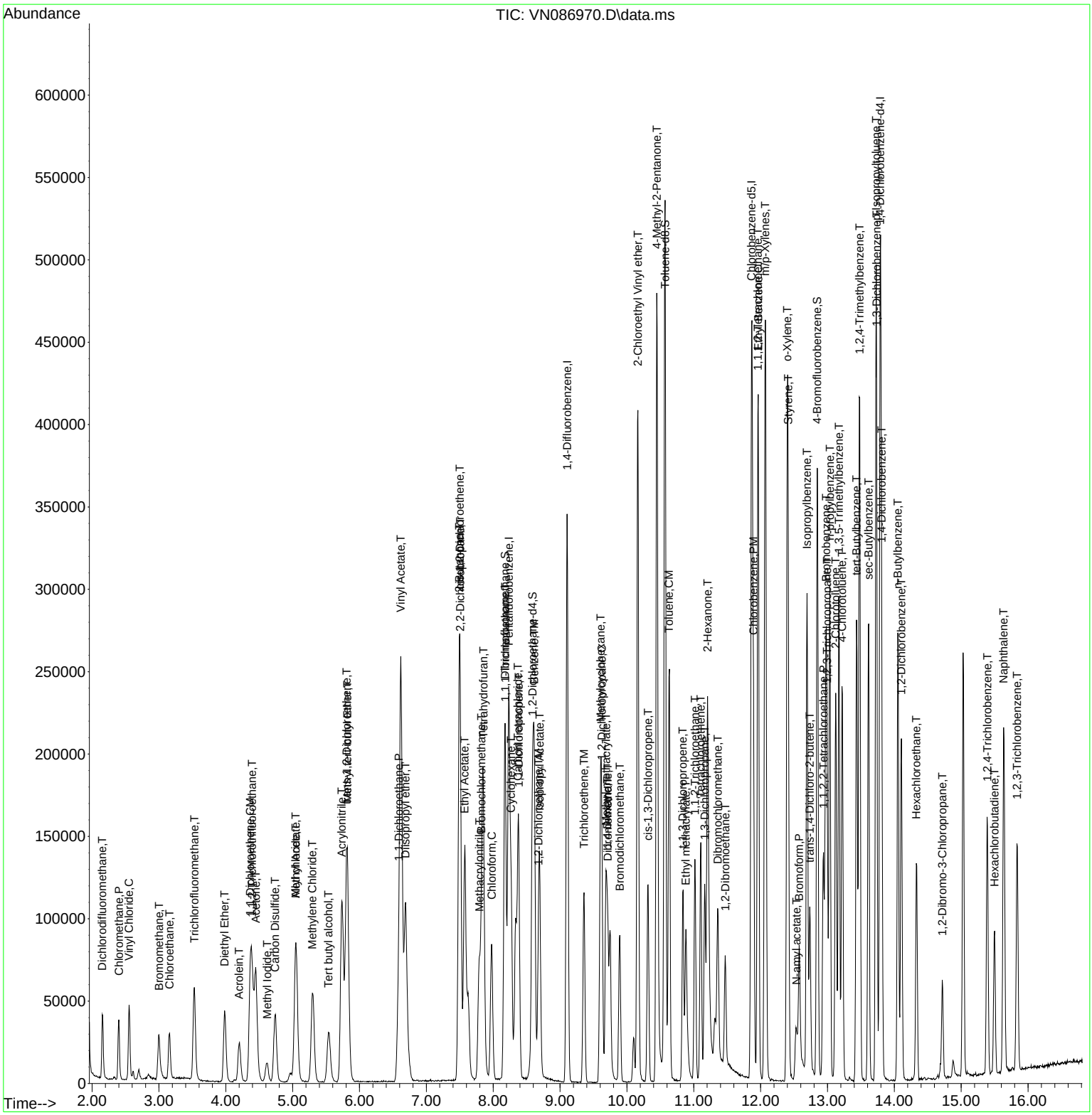
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086970.D
Acq On : 12 Jun 2025 12:17
Operator : JC\MD
Sample : VN0612WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 13 01:25:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025



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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VN0613WBS01	SDG No.:	Q2302
Lab Sample ID:	VN0613WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087000.D	1		06/13/25 14:32	VN061325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	21.5		0.22	1.00	ug/L
74-87-3	Chloromethane	18.6		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	22.4		0.26	1.00	ug/L
74-83-9	Bromomethane	18.5		1.40	5.00	ug/L
75-00-3	Chloroethane	21.8		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	21.6		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.1		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	22.2		0.23	1.00	ug/L
67-64-1	Acetone	86.7		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	23.4		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.1		0.16	1.00	ug/L
79-20-9	Methyl Acetate	16.2		0.27	1.00	ug/L
75-09-2	Methylene Chloride	20.4		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	21.4		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.5		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.7		1.50	5.00	ug/L
78-93-3	2-Butanone	91.2		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	21.4		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	21.5		0.19	1.00	ug/L
74-97-5	Bromochloromethane	21.7		0.22	1.00	ug/L
67-66-3	Chloroform	20.5		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.3		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	19.2		0.16	1.00	ug/L
71-43-2	Benzene	21.5		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.1		0.22	1.00	ug/L
79-01-6	Trichloroethene	21.9		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.9		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	21.4		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	99.2		0.68	5.00	ug/L
108-88-3	Toluene	21.8		0.14	1.00	ug/L

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VN0613WBS01	SDG No.:	Q2302
Lab Sample ID:	VN0613WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087000.D	1		06/13/25 14:32	VN061325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	21.1		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.3		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.3		0.21	1.00	ug/L
591-78-6	2-Hexanone	89.7		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	21.9		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.6		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	21.7		0.23	1.00	ug/L
108-90-7	Chlorobenzene	21.7		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	21.3		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	43.9		0.24	2.00	ug/L
95-47-6	o-Xylene	22.0		0.12	1.00	ug/L
100-42-5	Styrene	21.6		0.15	1.00	ug/L
75-25-2	Bromoform	22.7		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	20.3		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.0		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	21.2		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	21.3		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.7		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.7		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.1		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.5		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.5		74 - 125	93%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	48.5		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.5		77 - 121	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	194000	8.23			
540-36-3	1,4-Difluorobenzene	343000	9.106			
3114-55-4	Chlorobenzene-d5	298000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	151000	13.788			

Raw Data: **VN087000.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VN0613WBS01	SDG No.:	Q2302
Lab Sample ID:	VN0613WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087000.D	1		06/13/25 14:32	VN061325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087000.D
Acq On : 13 Jun 2025 14:32
Operator : JC\MD
Sample : VN0613WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 14 00:27:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	193820	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	342767	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	297937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	150656	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	120719	46.519	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.040%			
35) Dibromofluoromethane	8.177	113	104273	51.333	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.660%			
50) Toluene-d8	10.571	98	390057	48.506	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.020%			
62) 4-Bromofluorobenzene	12.847	95	148021	49.545	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	41501	21.475	ug/l	97
3) Chloromethane	2.401	50	46368	18.581	ug/l	100
4) Vinyl Chloride	2.553	62	57688	22.410	ug/l	97
5) Bromomethane	3.000	94	26677	18.519	ug/l	99
6) Chloroethane	3.159	64	36269	21.812	ug/l	97
7) Trichlorofluoromethane	3.530	101	72691	21.613	ug/l	97
8) Diethyl Ether	3.983	74	30759	20.990	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.400	101	44545	21.081	ug/l	98
10) Methyl Iodide	4.618	142	23587	8.611	ug/l	98
11) Tert butyl alcohol	5.541	59	64325	91.353	ug/l	100
12) 1,1-Dichloroethene	4.365	96	47822	22.168	ug/l	89
13) Acrolein	4.200	56	35766	160.469	ug/l	100
14) Allyl chloride	5.047	41	68500	19.146	ug/l	97
15) Acrylonitrile	5.741	53	161726	98.265	ug/l	99
16) Acetone	4.447	43	119345	86.723	ug/l	94
17) Carbon Disulfide	4.742	76	139889	23.443	ug/l	99
18) Methyl Acetate	5.047	43	64994	16.206	ug/l	98
19) Methyl tert-butyl Ether	5.818	73	157327	20.142	ug/l	98
20) Methylene Chloride	5.294	84	52509	20.381	ug/l	96
21) trans-1,2-Dichloroethene	5.818	96	51262	21.358	ug/l	88
22) Diisopropyl ether	6.688	45	149851	19.870	ug/l	97
23) Vinyl Acetate	6.618	43	658350	103.323	ug/l	97
24) 1,1-Dichloroethane	6.588	63	89124	20.535	ug/l	98
25) 2-Butanone	7.494	43	204093	91.238	ug/l	96
26) 2,2-Dichloropropane	7.506	77	75997	22.511	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	61840	21.544	ug/l	96
28) Bromochloromethane	7.830	49	46335	21.714	ug/l	93
29) Tetrahydrofuran	7.853	42	136050	93.364	ug/l	95
30) Chloroform	7.977	83	88860	20.502	ug/l	99
31) Cyclohexane	8.265	56	83030	19.727	ug/l	97
32) 1,1,1-Trichloroethane	8.182	97	74968	20.337	ug/l	97
36) 1,1-Dichloropropene	8.382	75	66350	21.920	ug/l	100
37) Ethyl Acetate	7.571	43	76639	19.890	ug/l	98
38) Carbon Tetrachloride	8.371	117	63596	21.401	ug/l	98
39) Methylcyclohexane	9.606	83	79523	19.176	ug/l	96
40) Benzene	8.618	78	212565	21.476	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087000.D
Acq On : 13 Jun 2025 14:32
Operator : JC\MD
Sample : VN0613WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 14 00:27:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.788	41	42730	19.746	ug/l		96
42) 1,2-Dichloroethane	8.677	62	63301	21.085	ug/l		98
43) Isopropyl Acetate	8.694	43	119151	19.266	ug/l		97
44) Trichloroethene	9.359	130	51301	21.858	ug/l		95
45) 1,2-Dichloropropane	9.629	63	50395	20.928	ug/l		100
46) Dibromomethane	9.712	93	35265	22.048	ug/l		99
47) Bromodichloromethane	9.894	83	70308	21.365	ug/l		96
48) Methyl methacrylate	9.682	41	54185	19.036	ug/l		96
49) 1,4-Dioxane	9.706	88	21540	415.962	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.447	43	369197	99.165	ug/l		99
52) Toluene	10.629	92	131650	21.764	ug/l		99
53) t-1,3-Dichloropropene	10.841	75	77555	21.076	ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	83996	21.333	ug/l		97
55) 1,1,2-Trichloroethane	11.018	97	49569	21.297	ug/l		98
56) Ethyl methacrylate	10.882	69	77585	20.928	ug/l		95
57) 1,3-Dichloropropane	11.165	76	85360	21.141	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.165	63	209528	94.760	ug/l		98
59) 2-Hexanone	11.206	43	215181	89.728	ug/l		93
60) Dibromochloromethane	11.359	129	53055	21.878	ug/l		99
61) 1,2-Dibromoethane	11.470	107	51474	21.576	ug/l		100
64) Tetrachloroethene	11.106	164	41009	21.749	ug/l		96
65) Chlorobenzene	11.894	112	142528	21.690	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	47110	22.303	ug/l		97
67) Ethyl Benzene	11.965	91	241208	21.311	ug/l		98
68) m/p-Xylenes	12.070	106	190243	43.908	ug/l		98
69) o-Xylene	12.400	106	91163	21.969	ug/l		96
70) Styrene	12.412	104	153392	21.602	ug/l		100
71) Bromoform	12.582	173	35468	22.662	ug/l	#	99
73) Isopropylbenzene	12.694	105	223178	20.334	ug/l		100
74) N-amyl acetate	12.529	43	58468	15.245	ug/l	#	91
75) 1,1,2,2-Tetrachloroethane	12.935	83	78224	21.038	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	67561m	18.866	ug/l		
77) Bromobenzene	12.982	156	54231	21.546	ug/l		96
78) n-propylbenzene	13.035	91	266686	19.994	ug/l		99
79) 2-Chlorotoluene	13.123	91	165392	20.677	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	183973	20.303	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.741	75	30824	19.814	ug/l		93
82) 4-Chlorotoluene	13.217	91	169312	20.919	ug/l		99
83) tert-Butylbenzene	13.435	119	161431	19.462	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	186915	20.570	ug/l		99
85) sec-Butylbenzene	13.612	105	228099	18.936	ug/l		100
86) p-Isopropyltoluene	13.729	119	188601	18.941	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	104746	21.151	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	107411	21.274	ug/l		99
89) n-Butylbenzene	14.053	91	173997	18.041	ug/l		99
90) Hexachloroethane	14.329	117	33086	19.603	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	98273	20.655	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	17506	19.687	ug/l		99
93) 1,2,4-Trichlorobenzene	15.388	180	57950	19.074	ug/l		98
94) Hexachlorobutadiene	15.500	225	17458	15.423	ug/l		97
95) Naphthalene	15.635	128	222787	19.701	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	55693	18.450	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087000.D
Acq On : 13 Jun 2025 14:32
Operator : JC\MD
Sample : VN0613WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 14 00:27:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

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

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

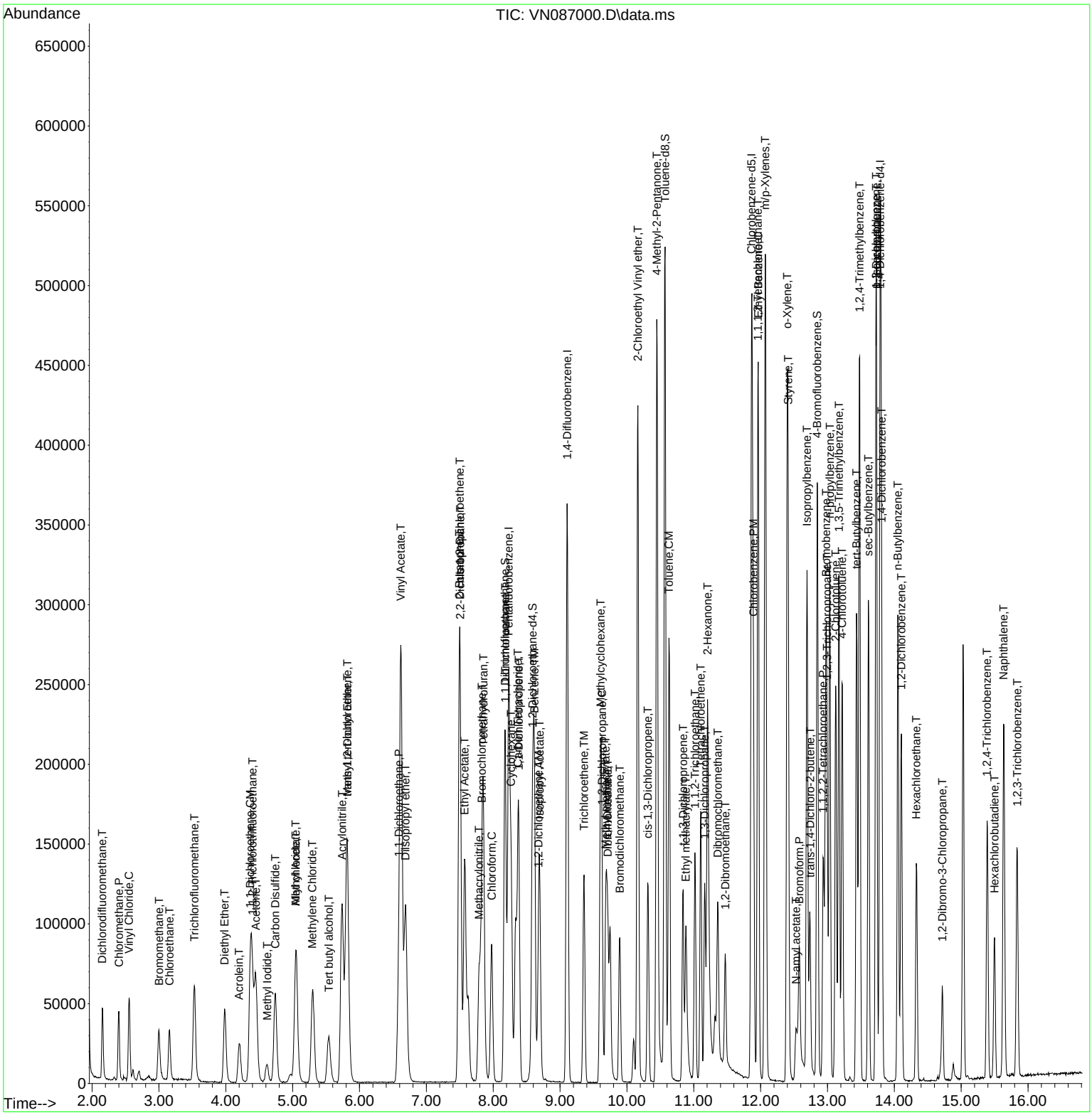
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087000.D
Acq On : 13 Jun 2025 14:32
Operator : JC\MD
Sample : VN0613WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 14 00:27:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VN0612WBSD01	SDG No.:	Q2302
Lab Sample ID:	VN0612WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086971.D	1		06/12/25 12:53	VN061225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.7		0.22	1.00	ug/L
74-87-3	Chloromethane	16.8		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	20.9		0.26	1.00	ug/L
74-83-9	Bromomethane	16.7		1.40	5.00	ug/L
75-00-3	Chloroethane	21.2		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	21.0		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.6		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.7		0.23	1.00	ug/L
67-64-1	Acetone	100		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	18.8		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	22.7		0.16	1.00	ug/L
79-20-9	Methyl Acetate	22.9		0.27	1.00	ug/L
75-09-2	Methylene Chloride	21.7		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.6		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	21.5		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.8		1.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	21.2		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	21.7		0.19	1.00	ug/L
74-97-5	Bromochloromethane	24.5		0.22	1.00	ug/L
67-66-3	Chloroform	22.1		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	21.2		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	17.9		0.16	1.00	ug/L
71-43-2	Benzene	21.6		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	23.0		0.22	1.00	ug/L
79-01-6	Trichloroethene	21.5		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	22.4		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	23.2		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	120		0.68	5.00	ug/L
108-88-3	Toluene	21.8		0.14	1.00	ug/L

Raw Data: **VN086971.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VN0612WBSD01	SDG No.:	Q2302
Lab Sample ID:	VN0612WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086971.D	1		06/12/25 12:53	VN061225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	23.1		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	22.5		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	23.2		0.21	1.00	ug/L
591-78-6	2-Hexanone	100		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	23.3		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	23.0		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	20.7		0.23	1.00	ug/L
108-90-7	Chlorobenzene	21.6		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	20.7		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	42.3		0.24	2.00	ug/L
95-47-6	o-Xylene	21.6		0.12	1.00	ug/L
100-42-5	Styrene	21.8		0.15	1.00	ug/L
75-25-2	Bromoform	24.5		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	20.3		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	23.8		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	21.5		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	21.7		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	22.4		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	21.6		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.9		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.6		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.6		74 - 125	109%	SPK: 50
1868-53-7	Dibromofluoromethane	57.4		75 - 124	115%	SPK: 50
2037-26-5	Toluene-d8	54.1		86 - 113	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.3		77 - 121	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	164000	8.23			
540-36-3	1,4-Difluorobenzene	293000	9.106			
3114-55-4	Chlorobenzene-d5	261000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	129000	13.794			

Raw Data: **VN086971.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VN0612WBSD01	SDG No.:	Q2302
Lab Sample ID:	VN0612WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086971.D	1		06/12/25 12:53	VN061225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086971.D
Acq On : 12 Jun 2025 12:53
Operator : JC\MD
Sample : VN0612WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 13 01:25:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	164097	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	292991	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	261207	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	129235	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	119898	54.572	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.140%			
35) Dibromofluoromethane	8.177	113	99703	57.422	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 114.840%			
50) Toluene-d8	10.571	98	371654	54.069	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.140%			
62) 4-Bromofluorobenzene	12.847	95	141148	55.270	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.540%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	33893	20.715	ug/l	94
3) Chloromethane	2.395	50	35547	16.825	ug/l	99
4) Vinyl Chloride	2.554	62	45490	20.872	ug/l	100
5) Bromomethane	3.001	94	20346	16.682	ug/l	98
6) Chloroethane	3.154	64	29833	21.191	ug/l	100
7) Trichlorofluoromethane	3.530	101	59662	20.952	ug/l	99
8) Diethyl Ether	3.983	74	28146	22.686	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.400	101	38581	21.565	ug/l	99
10) Methyl Iodide	4.612	142	23860	10.288	ug/l	97
11) Tert butyl alcohol	5.542	59	65234	109.424	ug/l	100
12) 1,1-Dichloroethene	4.365	96	37838	20.717	ug/l	92
13) Acrolein	4.200	56	34258	181.543	ug/l	99
14) Allyl chloride	5.048	41	60368	19.930	ug/l	96
15) Acrylonitrile	5.742	53	156443	112.272	ug/l	99
16) Acetone	4.448	43	120591	103.500	ug/l	97
17) Carbon Disulfide	4.736	76	95072	18.818	ug/l	98
18) Methyl Acetate	5.048	43	77691	22.881	ug/l	99
19) Methyl tert-butyl Ether	5.812	73	150195	22.712	ug/l	99
20) Methylene Chloride	5.300	84	47343	21.704	ug/l	95
21) trans-1,2-Dichloroethene	5.812	96	41816	20.578	ug/l	87
22) Diisopropyl ether	6.683	45	141855	22.217	ug/l	96
23) Vinyl Acetate	6.618	43	598576	110.958	ug/l	99
24) 1,1-Dichloroethane	6.589	63	78845	21.458	ug/l	98
25) 2-Butanone	7.494	43	204642	108.054	ug/l	98
26) 2,2-Dichloropropane	7.506	77	65732	22.997	ug/l	98
27) cis-1,2-Dichloroethene	7.500	96	52729	21.697	ug/l	98
28) Bromochloromethane	7.824	49	44328	24.536	ug/l	98
29) Tetrahydrofuran	7.853	42	134426	108.959	ug/l	97
30) Chloroform	7.977	83	81220	22.134	ug/l	95
31) Cyclohexane	8.265	56	67124	18.837	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	66235	21.222	ug/l	96
36) 1,1-Dichloropropene	8.377	75	54907	21.222	ug/l	100
37) Ethyl Acetate	7.571	43	75975	23.067	ug/l	100
38) Carbon Tetrachloride	8.377	117	53964	21.245	ug/l	100
39) Methylcyclohexane	9.606	83	63301	17.858	ug/l	99
40) Benzene	8.618	78	182395	21.558	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086971.D
Acq On : 12 Jun 2025 12:53
Operator : JC\MD
Sample : VN0612WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 13 01:25:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.783	41	41700	22.544	ug/l		97
42) 1,2-Dichloroethane	8.677	62	59051	23.011	ug/l		99
43) Isopropyl Acetate	8.694	43	117119	22.155	ug/l		98
44) Trichloroethene	9.353	130	43122	21.495	ug/l		96
45) 1,2-Dichloropropane	9.630	63	46029	22.362	ug/l		98
46) Dibromomethane	9.712	93	31754	23.226	ug/l		98
47) Bromodichloromethane	9.894	83	65211	23.182	ug/l		97
48) Methyl methacrylate	9.682	41	52292	21.492	ug/l		97
49) 1,4-Dioxane	9.700	88	21488	485.455	ug/l	#	98
51) 4-Methyl-2-Pentanone	10.447	43	366404	115.134	ug/l		100
52) Toluene	10.629	92	112760	21.808	ug/l		100
53) t-1,3-Dichloropropene	10.841	75	72646	23.096	ug/l		95
54) cis-1,3-Dichloropropene	10.318	75	75803	22.523	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	46139	23.191	ug/l		97
56) Ethyl methacrylate	10.882	69	74177	23.408	ug/l		95
57) 1,3-Dichloropropane	11.165	76	78754	22.819	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.165	63	195579	103.479	ug/l		99
59) 2-Hexanone	11.206	43	210522	102.698	ug/l		95
60) Dibromochloromethane	11.359	129	48396	23.348	ug/l		98
61) 1,2-Dibromoethane	11.471	107	46942	23.020	ug/l		98
64) Tetrachloroethene	11.106	164	34257	20.723	ug/l		94
65) Chlorobenzene	11.894	112	124336	21.582	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	41461	22.389	ug/l		99
67) Ethyl Benzene	11.965	91	205648	20.724	ug/l		99
68) m/p-Xylenes	12.071	106	160546	42.264	ug/l		100
69) o-Xylene	12.400	106	78557	21.593	ug/l		99
70) Styrene	12.412	104	135491	21.764	ug/l		100
71) Bromoform	12.582	173	33587	24.478	ug/l	#	98
73) Isopropylbenzene	12.694	105	191409	20.330	ug/l		99
74) N-amyl acetate	12.529	43	54494	16.564	ug/l	#	82
75) 1,1,2,2-Tetrachloroethane	12.935	83	76067	23.849	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	66737m	21.725	ug/l		
77) Bromobenzene	12.982	156	47911	22.190	ug/l		97
78) n-propylbenzene	13.035	91	234143	20.464	ug/l		99
79) 2-Chlorotoluene	13.123	91	144599	21.074	ug/l		98
80) 1,3,5-Trimethylbenzene	13.171	105	160049	20.590	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.741	75	30384	22.768	ug/l		96
82) 4-Chlorotoluene	13.223	91	148936	21.452	ug/l		99
83) tert-Butylbenzene	13.435	119	141780	19.926	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	160936	20.647	ug/l		99
85) sec-Butylbenzene	13.612	105	200042	19.360	ug/l		99
86) p-Isopropyltoluene	13.729	119	166179	19.455	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	91222	21.474	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	93923	21.686	ug/l		99
89) n-Butylbenzene	14.053	91	155506	18.796	ug/l		99
90) Hexachloroethane	14.335	117	29883	20.640	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	91281	22.366	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	16489	21.617	ug/l		96
93) 1,2,4-Trichlorobenzene	15.388	180	51905	19.916	ug/l		98
94) Hexachlorobutadiene	15.500	225	15335	15.793	ug/l		99
95) Naphthalene	15.641	128	208383	21.481	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	50802	19.619	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086971.D
Acq On : 12 Jun 2025 12:53
Operator : JC\MD
Sample : VN0612WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 13 01:25:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

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

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

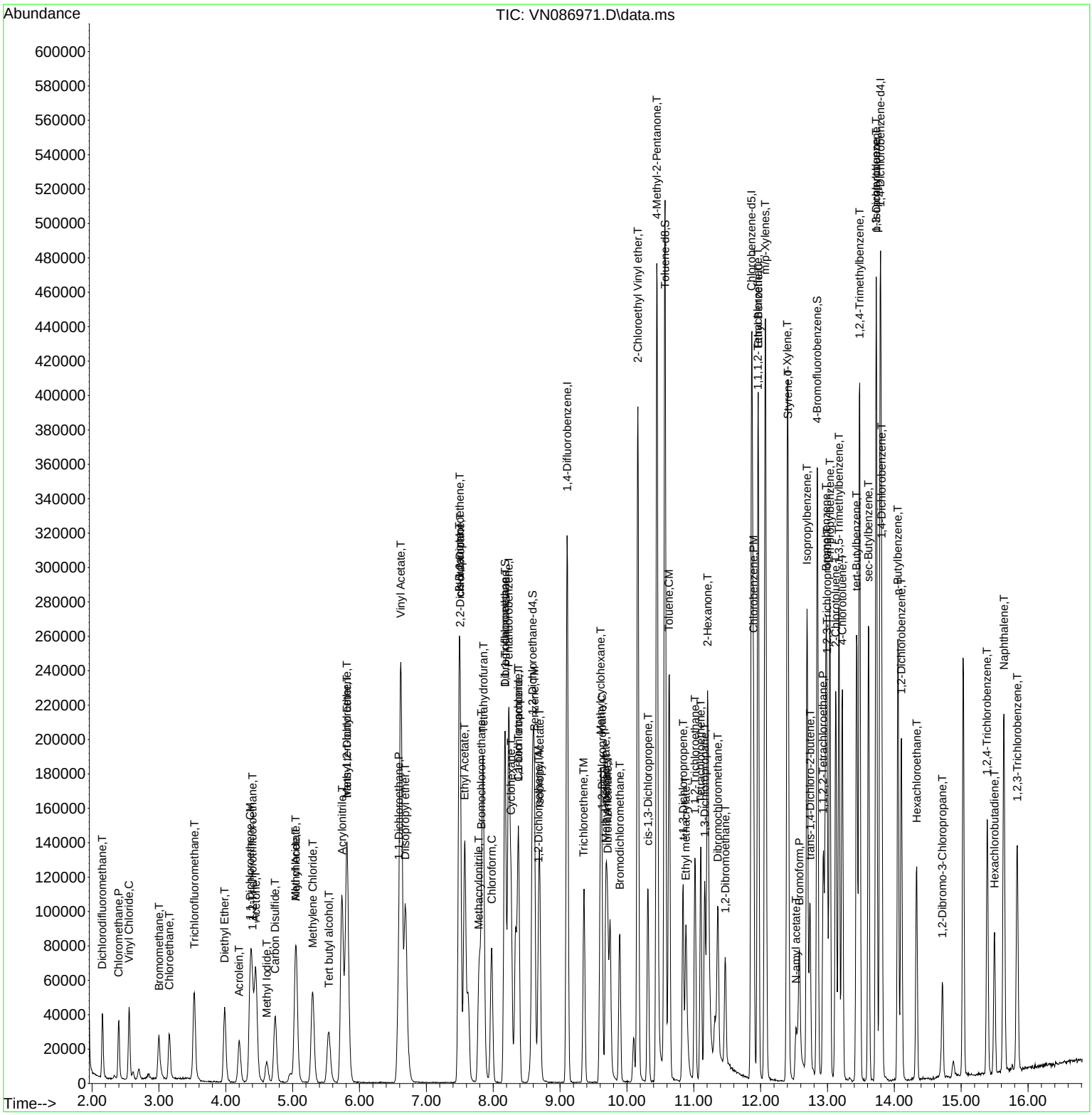
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086971.D
Acq On : 12 Jun 2025 12:53
Operator : JC\MD
Sample : VN0612WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 13 01:25:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025



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

Manual Integration Report

Sequence:	vn060625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN086862.D	1,1,2-Trichlorotrifluoroethane	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	1,4-Dichlorobenzene	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	2-Hexanone	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	N-amyl acetate	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC005	VN086863.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:13 AM	MMDadoda	6/9/2025 1:13:19 PM	Peak Integrated by Software
VSTDICC005	VN086863.D	N-amyl acetate	JOHN	6/9/2025 8:02:13 AM	MMDadoda	6/9/2025 1:13:19 PM	Peak Integrated by Software
VSTDICC020	VN086864.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:19 AM	MMDadoda	6/9/2025 1:13:21 PM	Peak Integrated by Software
VSTDICCC050	VN086865.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:25 AM	MMDadoda	6/9/2025 1:13:23 PM	Peak Integrated by Software
VSTDICC100	VN086866.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:29 AM	MMDadoda	6/9/2025 1:13:28 PM	Peak Integrated by Software
VSTDICC150	VN086867.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:34 AM	MMDadoda	6/9/2025 1:13:30 PM	Peak Integrated by Software
VSTDICV050	VN086869.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:38 AM	MMDadoda	6/9/2025 1:13:34 PM	Peak Integrated by Software
VSTDCCC050	VN086886.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:55 AM	MMDadoda	6/9/2025 1:13:44 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vn060625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	vn061225	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086967.D	1,2,3-Trichloropropane	JOHN	6/13/2025 10:08:10 AM	MMDadoda	6/13/2025 10:59:06 AM	Peak Integrated by Software
VN0612WBS01	VN086970.D	1,2,3-Trichloropropane	JOHN	6/13/2025 10:08:15 AM	MMDadoda	6/13/2025 10:59:07 AM	Peak Integrated by Software
VN0612WBSD01	VN086971.D	1,2,3-Trichloropropane	JOHN	6/13/2025 10:08:19 AM	MMDadoda	6/13/2025 10:59:08 AM	Peak Integrated by Software
Q2302-01	VN086980.D	2-Butanone	JOHN	6/13/2025 10:08:23 AM	MMDadoda	6/13/2025 10:59:11 AM	Peak Integrated by Software
Q2302-01	VN086980.D	4-Methyl-2-Pentanone	JOHN	6/13/2025 10:08:23 AM	MMDadoda	6/13/2025 10:59:11 AM	Peak Integrated by Software
VSTDCCC050	VN086994.D	1,2,3-Trichloropropane	JOHN	6/13/2025 10:09:51 AM	MMDadoda	6/13/2025 10:59:20 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vn061325	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086996.D	1,2,3-Trichloropropane	JOHN	6/16/2025 8:56:42 AM	MMDadoda	6/16/2025 5:03:30 PM	Peak Integrated by Software
VN0613WBS01	VN087000.D	1,2,3-Trichloropropane	JOHN	6/16/2025 8:56:46 AM	MMDadoda	6/16/2025 5:03:31 PM	Peak Integrated by Software
Q2302-01RE	VN087014.D	2-Butanone	JOHN	6/16/2025 9:02:16 AM	MMDadoda	6/16/2025 5:03:37 PM	Peak Integrated by Software
VSTDCCC050	VN087015.D	1,2,3-Trichloropropane	JOHN	6/16/2025 9:02:23 AM	MMDadoda	6/16/2025 5:03:39 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086861.D	06 Jun 2025 07:59	JC\MD	Ok
2	VSTDICC001	VN086862.D	06 Jun 2025 12:44	JC\MD	Ok,M
3	VSTDICC005	VN086863.D	06 Jun 2025 13:17	JC\MD	Ok,M
4	VSTDICC020	VN086864.D	06 Jun 2025 13:40	JC\MD	Ok,M
5	VSTDICCC050	VN086865.D	06 Jun 2025 14:03	JC\MD	Ok,M
6	VSTDICC100	VN086866.D	06 Jun 2025 14:26	JC\MD	Ok,M
7	VSTDICC150	VN086867.D	06 Jun 2025 14:49	JC\MD	Ok,M
8	IBLK	VN086868.D	06 Jun 2025 15:12	JC\MD	Ok
9	VSTDICV050	VN086869.D	06 Jun 2025 15:54	JC\MD	Ok,M
10	VN0606WBL01	VN086870.D	06 Jun 2025 16:47	JC\MD	Ok
11	VN0606WBL02	VN086871.D	06 Jun 2025 17:10	JC\MD	Ok
12	VN0606WBS01	VN086872.D	06 Jun 2025 17:33	JC\MD	Ok,M
13	VN0606WBSD01	VN086873.D	06 Jun 2025 17:56	JC\MD	Ok,M
14	Q2254-01	VN086874.D	06 Jun 2025 18:19	JC\MD	Not Ok
15	Q2237-02	VN086875.D	06 Jun 2025 18:42	JC\MD	Ok
16	Q2216-02	VN086876.D	06 Jun 2025 19:05	JC\MD	Ok
17	Q2216-03	VN086877.D	06 Jun 2025 19:28	JC\MD	Ok
18	Q2216-04	VN086878.D	06 Jun 2025 19:51	JC\MD	Ok
19	Q2216-05	VN086879.D	06 Jun 2025 20:13	JC\MD	Not Ok
20	Q2216-06	VN086880.D	06 Jun 2025 20:36	JC\MD	Not Ok
21	Q2206-04	VN086881.D	06 Jun 2025 20:59	JC\MD	Not Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2242-04	VN086882.D	06 Jun 2025 21:21	JC\MD	Not Ok
23	Q2192-01	VN086883.D	06 Jun 2025 21:44	JC\MD	Not Ok
24	Q2198-02	VN086884.D	06 Jun 2025 22:07	JC\MD	Not Ok
25	Q2198-04	VN086885.D	06 Jun 2025 22:29	JC\MD	Not Ok
26	VSTDCCC050	VN086886.D	06 Jun 2025 22:52	JC\MD	Not Ok

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN061225

Review By	John Carlone	Review On	6/13/2025 10:24:38 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/13/2025 10:59:22 AM		
SubDirectory	VN061225	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134291
Initial Calibration Stds	
CCC	VP134292,VP134293
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086966.D	12 Jun 2025 10:25	JC\MD	Ok
2	VSTDCCC050	VN086967.D	12 Jun 2025 10:58	JC\MD	Ok,M
3	VN0612MBL01	VN086968.D	12 Jun 2025 11:33	JC\MD	Ok
4	VN0612WBL01	VN086969.D	12 Jun 2025 11:55	JC\MD	Ok
5	VN0612WBS01	VN086970.D	12 Jun 2025 12:17	JC\MD	Ok,M
6	VN0612WBSD01	VN086971.D	12 Jun 2025 12:53	JC\MD	Ok,M
7	Q2249-01	VN086972.D	12 Jun 2025 13:15	JC\MD	Not Ok
8	Q2271-04	VN086973.D	12 Jun 2025 13:38	JC\MD	Ok
9	Q2274-04	VN086974.D	12 Jun 2025 14:00	JC\MD	Ok
10	Q2280-02	VN086975.D	12 Jun 2025 14:23	JC\MD	Ok
11	Q2280-04	VN086976.D	12 Jun 2025 14:45	JC\MD	Ok
12	Q2272-04	VN086977.D	12 Jun 2025 15:08	JC\MD	Ok
13	Q2273-04	VN086978.D	12 Jun 2025 15:31	JC\MD	Ok
14	Q2273-08	VN086979.D	12 Jun 2025 15:54	JC\MD	Ok
15	Q2302-01	VN086980.D	12 Jun 2025 16:17	JC\MD	ReRun
16	IBLK	VN086981.D	12 Jun 2025 16:39	JC\MD	Ok
17	IBLK	VN086982.D	12 Jun 2025 17:02	JC\MD	Ok
18	Q2302-02	VN086983.D	12 Jun 2025 17:25	JC\MD	Ok
19	Q2268-09	VN086984.D	12 Jun 2025 17:48	JC\MD	Ok
20	Q2268-10	VN086985.D	12 Jun 2025 18:10	JC\MD	Ok
21	Q2268-01	VN086986.D	12 Jun 2025 18:33	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN061225

Review By	John Carlone	Review On	6/13/2025 10:24:38 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/13/2025 10:59:22 AM		
SubDirectory	VN061225	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134291
Initial Calibration Stds	
CCC	VP134292,VP134293
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2268-02	VN086987.D	12 Jun 2025 18:56	JC\MD	Ok
23	Q2268-06	VN086988.D	12 Jun 2025 19:18	JC\MD	Dilution
24	Q2268-07	VN086989.D	12 Jun 2025 19:41	JC\MD	Dilution
25	Q2268-08	VN086990.D	12 Jun 2025 20:04	JC\MD	Dilution
26	Q2268-03	VN086991.D	12 Jun 2025 20:26	JC\MD	Dilution
27	Q2268-04MS	VN086992.D	12 Jun 2025 20:48	JC\MD	Ok,M
28	Q2268-05MSD	VN086993.D	12 Jun 2025 21:11	JC\MD	Ok,M
29	VSTDCCC050	VN086994.D	12 Jun 2025 21:33	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN061325

Review By	John Carlone	Review On	6/16/2025 9:41:28 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/16/2025 5:03:41 PM		
SubDirectory	VN061325	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134329
Initial Calibration Stds	
CCC	VP134330,VP134331
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086995.D	13 Jun 2025 10:26	JC\MD	Ok
2	VSTDCCC050	VN086996.D	13 Jun 2025 12:52	JC\MD	Ok,M
3	VN0613MBL01	VN086997.D	13 Jun 2025 13:26	JC\MD	Ok
4	VN0613WBL01	VN086998.D	13 Jun 2025 13:47	JC\MD	Ok
5	Q2282-04	VN086999.D	13 Jun 2025 14:10	JC\MD	Ok
6	VN0613WBS01	VN087000.D	13 Jun 2025 14:32	JC\MD	Ok,M
7	VN0613WBSD01	VN087001.D	13 Jun 2025 15:06	JC\MD	Ok,M
8	Q2314-06	VN087002.D	13 Jun 2025 15:28	JC\MD	Ok
9	Q2314-01	VN087003.D	13 Jun 2025 15:50	JC\MD	Ok
10	Q2314-05	VN087004.D	13 Jun 2025 16:12	JC\MD	ReRun
11	Q2314-04	VN087005.D	13 Jun 2025 16:34	JC\MD	Ok
12	Q2314-02	VN087006.D	13 Jun 2025 16:56	JC\MD	Ok
13	Q2314-05	VN087007.D	13 Jun 2025 17:18	JC\MD	Ok
14	IBLK	VN087008.D	13 Jun 2025 17:40	JC\MD	Ok
15	IBLK	VN087009.D	13 Jun 2025 18:02	JC\MD	Ok
16	Q2268-03DL	VN087010.D	13 Jun 2025 18:24	JC\MD	Ok
17	Q2268-06DL	VN087011.D	13 Jun 2025 18:46	JC\MD	Ok,M
18	Q2268-07DL	VN087012.D	13 Jun 2025 19:07	JC\MD	Not Ok
19	Q2268-08DL	VN087013.D	13 Jun 2025 19:29	JC\MD	Not Ok
20	Q2302-01RE	VN087014.D	13 Jun 2025 19:51	JC\MD	Confirms
21	VSTDCCC050	VN087015.D	13 Jun 2025 20:13	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086861.D	06 Jun 2025 07:59		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN086862.D	06 Jun 2025 12:44	Method failed for com.#13	JC\MD	Ok,M
3	VSTDICC005	VSTDICC005	VN086863.D	06 Jun 2025 13:17		JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN086864.D	06 Jun 2025 13:40		JC\MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VN086865.D	06 Jun 2025 14:03		JC\MD	Ok,M
6	VSTDICC100	VSTDICC100	VN086866.D	06 Jun 2025 14:26		JC\MD	Ok,M
7	VSTDICC150	VSTDICC150	VN086867.D	06 Jun 2025 14:49		JC\MD	Ok,M
8	IBLK	IBLK	VN086868.D	06 Jun 2025 15:12		JC\MD	Ok
9	VSTDICV050	ICVVN060625	VN086869.D	06 Jun 2025 15:54		JC\MD	Ok,M
10	VN0606WBL01	VN0606WBL01	VN086870.D	06 Jun 2025 16:47		JC\MD	Ok
11	VN0606WBL02	VN0606WBL02	VN086871.D	06 Jun 2025 17:10		JC\MD	Ok
12	VN0606WBS01	VN0606WBS01	VN086872.D	06 Jun 2025 17:33		JC\MD	Ok,M
13	VN0606WBSD01	VN0606WBSD01	VN086873.D	06 Jun 2025 17:56		JC\MD	Ok,M
14	Q2254-01	BP-VPB-182-GW-810-8	VN086874.D	06 Jun 2025 18:19	vial A pH<2 endccc out of tune	JC\MD	Not Ok
15	Q2237-02	TW-WTS-10	VN086875.D	06 Jun 2025 18:42	vial A pH<2	JC\MD	Ok
16	Q2216-02	3887	VN086876.D	06 Jun 2025 19:05	vial A pH<2	JC\MD	Ok
17	Q2216-03	3888	VN086877.D	06 Jun 2025 19:28	vial A pH<2	JC\MD	Ok
18	Q2216-04	3864	VN086878.D	06 Jun 2025 19:51	vial A pH<2	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2216-05	3865	VN086879.D	06 Jun 2025 20:13	vial A pH<2 Out of Tune	JC\MD	Not Ok
20	Q2216-06	3851	VN086880.D	06 Jun 2025 20:36	vial A pH<2 Out of Tune	JC\MD	Not Ok
21	Q2206-04	TP-1	VN086881.D	06 Jun 2025 20:59	vial A pH<2 Out of Tune	JC\MD	Not Ok
22	Q2242-04	TP09-MHJ	VN086882.D	06 Jun 2025 21:21	vial A pH<2 Out of Tune	JC\MD	Not Ok
23	Q2192-01	SB-1	VN086883.D	06 Jun 2025 21:44	vial A pH<2 Out of Tune	JC\MD	Not Ok
24	Q2198-02	B-202-SB02	VN086884.D	06 Jun 2025 22:07	vial A pH<2 Out of Tune	JC\MD	Not Ok
25	Q2198-04	B-207-SB02	VN086885.D	06 Jun 2025 22:29	vial A pH<2 Out of Tune	JC\MD	Not Ok
26	VSTDCCC050	VSTDCCC050EC	VN086886.D	06 Jun 2025 22:52	Out of Tune	JC\MD	Not Ok

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN061225

Review By	John Carlone	Review On	6/13/2025 10:24:38 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/13/2025 10:59:22 AM		
SubDirectory	VN061225	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134291
Initial Calibration Stds	
CCC	VP134292,VP134293
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086966.D	12 Jun 2025 10:25		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086967.D	12 Jun 2025 10:58	pH#Lot#V12668	JC\MD	Ok,M
3	VN0612MBL01	VN0612MBL01	VN086968.D	12 Jun 2025 11:33		JC\MD	Ok
4	VN0612WBL01	VN0612WBL01	VN086969.D	12 Jun 2025 11:55		JC\MD	Ok
5	VN0612WBS01	VN0612WBS01	VN086970.D	12 Jun 2025 12:17	BS Failed High for com.#88	JC\MD	Ok,M
6	VN0612WBSD01	VN0612WBSD01	VN086971.D	12 Jun 2025 12:53	BSD Failed High For Com.#51,88	JC\MD	Ok,M
7	Q2249-01	MW-06-6.5-060525	VN086972.D	12 Jun 2025 13:15	Not Required	JC\MD	Not Ok
8	Q2271-04	TP12-MHK-WC	VN086973.D	12 Jun 2025 13:38	vial B pH#5.0	JC\MD	Ok
9	Q2274-04	TP-13-MHP-WC	VN086974.D	12 Jun 2025 14:00	vial B pH#5.0	JC\MD	Ok
10	Q2280-02	VNJ-210	VN086975.D	12 Jun 2025 14:23	vial B pH#5.0	JC\MD	Ok
11	Q2280-04	RT-4643	VN086976.D	12 Jun 2025 14:45	vial B pH#5.0	JC\MD	Ok
12	Q2272-04	TP-6	VN086977.D	12 Jun 2025 15:08	vial B pH#5.0	JC\MD	Ok
13	Q2273-04	WC-4	VN086978.D	12 Jun 2025 15:31	vial B pH#5.0	JC\MD	Ok
14	Q2273-08	WC-6	VN086979.D	12 Jun 2025 15:54	vial B pH#5.0	JC\MD	Ok
15	Q2302-01	250611078-02-VOA	VN086980.D	12 Jun 2025 16:17	vial A pH#6.0 BSD Failed High;BS Failed High	JC\MD	ReRun
16	IBLK	IBLK	VN086981.D	12 Jun 2025 16:39		JC\MD	Ok
17	IBLK	IBLK	VN086982.D	12 Jun 2025 17:02		JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN061225

Review By	John Carlone	Review On	6/13/2025 10:24:38 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/13/2025 10:59:22 AM		
SubDirectory	VN061225	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134291
Initial Calibration Stds	
CCC	VP134292,VP134293
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2302-02	250611056-09-TRIP-BL	VN086983.D	12 Jun 2025 17:25	vial A pH#6.0 TB	JC\MD	Ok
19	Q2268-09	TB-20250605	VN086984.D	12 Jun 2025 17:48	vial A pH<2 TB	JC\MD	Ok
20	Q2268-10	FB-20250605	VN086985.D	12 Jun 2025 18:10	vial A pH<2 FB	JC\MD	Ok
21	Q2268-01	MW-4-20250605	VN086986.D	12 Jun 2025 18:33	vial A pH<2	JC\MD	Ok
22	Q2268-02	MW-5-20250605	VN086987.D	12 Jun 2025 18:56	vial A pH<2	JC\MD	Ok
23	Q2268-06	MW-2-20250605-A	VN086988.D	12 Jun 2025 19:18	vial A pH<2 Need 10X	JC\MD	Dilution
24	Q2268-07	MW-6-20250605	VN086989.D	12 Jun 2025 19:41	vial A pH<2 Need 20X	JC\MD	Dilution
25	Q2268-08	MW-3-20250605	VN086990.D	12 Jun 2025 20:04	vial A pH<2 Need 20X; E flag of previous sample	JC\MD	Dilution
26	Q2268-03	MW-2-20250605	VN086991.D	12 Jun 2025 20:26	vial A pH<2 Need 10X	JC\MD	Dilution
27	Q2268-04MS	MW-2-20250605MS	VN086992.D	12 Jun 2025 20:48	vial A pH<2	JC\MD	Ok,M
28	Q2268-05MSD	MW-2-20250605MSD	VN086993.D	12 Jun 2025 21:11	vial A pH<2	JC\MD	Ok,M
29	VSTDCCC050	VSTDCCC050EC	VN086994.D	12 Jun 2025 21:33		JC\MD	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN061325

Review By	John Carlone	Review On	6/16/2025 9:41:28 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/16/2025 5:03:41 PM		
SubDirectory	VN061325	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134329
Initial Calibration Stds	
CCC	VP134330,VP134331
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086995.D	13 Jun 2025 10:26		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086996.D	13 Jun 2025 12:52	pH#Lot#V12668	JC\MD	Ok,M
3	VN0613MBL01	VN0613MBL01	VN086997.D	13 Jun 2025 13:26		JC\MD	Ok
4	VN0613WBL01	VN0613WBL01	VN086998.D	13 Jun 2025 13:47		JC\MD	Ok
5	Q2282-04	251233	VN086999.D	13 Jun 2025 14:10	vial A pH<2	JC\MD	Ok
6	VN0613WBS01	VN0613WBS01	VN087000.D	13 Jun 2025 14:32	BS Failed High For Com.#17,69	JC\MD	Ok,M
7	VN0613WBSD01	VN0613WBSD01	VN087001.D	13 Jun 2025 15:06	BSD Failed High For Comp.#17,52,88	JC\MD	Ok,M
8	Q2314-06	VPB182-HYD-2025061	VN087002.D	13 Jun 2025 15:28	vial A pH<2	JC\MD	Ok
9	Q2314-01	BP-VPB-182-TB-20250	VN087003.D	13 Jun 2025 15:50	vial A pH<2 TB	JC\MD	Ok
10	Q2314-05	BP-VPB-182-EB-20250	VN087004.D	13 Jun 2025 16:12	vial A pH<2 EB,Hit of com.#16,25	JC\MD	ReRun
11	Q2314-04	BP-VPB-182-GW-880-8	VN087005.D	13 Jun 2025 16:34	vial A pH<2	JC\MD	Ok
12	Q2314-02	BP-VPB-182-GW-820-8	VN087006.D	13 Jun 2025 16:56	vial A pH<2	JC\MD	Ok
13	Q2314-05	BP-VPB-182-EB-20250	VN087007.D	13 Jun 2025 17:18	vial B pH<2 EB	JC\MD	Ok
14	IBLK	IBLK	VN087008.D	13 Jun 2025 17:40		JC\MD	Ok
15	IBLK	IBLK	VN087009.D	13 Jun 2025 18:02		JC\MD	Ok
16	Q2268-03DL	MW-2-20250605DL	VN087010.D	13 Jun 2025 18:24	vial B pH<2	JC\MD	Ok
17	Q2268-06DL	MW-2-20250605-ADL	VN087011.D	13 Jun 2025 18:46	vial B pH<2	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN061325

Review By	John Carlone	Review On	6/16/2025 9:41:28 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/16/2025 5:03:41 PM		
SubDirectory	VN061325	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134329
Initial Calibration Stds	
CCC	VP134330,VP134331
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2268-07DL	MW-6-20250605DL	VN087012.D	13 Jun 2025 19:07	BS,BSD Failed High	JC\MD	Not Ok
19	Q2268-08DL	MW-3-20250605DL	VN087013.D	13 Jun 2025 19:29	BS,BSD Failed High	JC\MD	Not Ok
20	Q2302-01RE	250611078-02-VOARE	VN087014.D	13 Jun 2025 19:51	vial C pH#6.0 BS,BSD Failed High	JC\MD	Confirms
21	VSTDCCC050	VSTDCCC050EC	VN087015.D	13 Jun 2025 20:13		JC\MD	Ok,M

M : Manual Integration

SHIPPING DOCUMENTS

Garden State Laboratories, Inc.

Main Lab - 410 Hillside Avenue, Hillside NJ 07205 - NJDEP Lab Cert. #20044
Jersey Shore Lab - 54 Main Street, Waretown NJ 08758 - NJDEP Lab Cert. #15037

Tel. 800-273-8901/908-688-8900 Fax 908-688-8966 www.gslabs.com info@gslabs.com

Office and Drop off Locations

North Jersey Office: 225 Sparta Avenue, Sparta, NJ 07871 Tel. 973-729-1827

West Jersey Office: 2050 Route 31 North, Glen Gardner, NJ 08826 Tel. 908-537-7414

Q2302

OR SAMPLE RECEIVING USE ONLY

DATE/TIME/TEMP. REC'D AT LAB:

Page _____ of _____

GSL CLIENT #

MICRO #

CHEM. #

SAMPLE REC'D BY:

- ☐ GSL FIELD SAMPLER/PICK-UP
- ☐ PICK-UP AT DROP OFF LOCATION
- ☐ DELIVERED BY CLIENT

CHAIN OF CUSTODY RECORD - PRESS HARD AND PRINT CLEARLY - USE BALL POINT PEN

IMPORTANT: PRINTED NAMES & SIGNATURES ARE REQUIRED

CLIENT INFORMATION (REPORT TO BE SENT TO)

Name: Garden State Laboratories, Inc. Contact/Authorized by: Elinor Battler

Mailing Address: 410 Hillside Ave. Phone: 908-688-8900 x 303

City/State/Zip: Hilside, NJ. 07205 Email: ebattler@gslabs.com

SAMPLE INFORMATION

SAMPLE TYPE: WASTE WATER

SAMPLE LOCATI ACUA SW LANDFILL LEACHATE TANKS

Grab	Comp	SAMPLE ID	SAMPLE COLLECTION Date	Time	AM	PM	ANALYSIS REQUIRED (Print Legibly) ☐ List attached Total Pages ____	CONTAINER INFORMATION No.	Type*	Size	Pres.*
	X	250611078-02 VOA	6/11/25	9:12	X		EPA 8260 TCL LIST + Acrolien & Acrylonitrile				
		250611056-09 Trip blank					EPA 8260 TCL LIST + Acrolien & Aci				

⇨ *Container Type: P = Plastic G = Glass A = Amber Glass T = Sterile Thio V = Vial Other/Specify: _____*

⇨ *Preservation Code: A = Non Preserved B = Sulfuric Acid C = Sodium Hydroxide D = Nitric Acid E = Hydrochloric Acid F = Zinc Acetate G = Sodium Thiosulfate H = Ascorbic Acid I = Cooled Other/Specify: _____*

☒ SUBCONTRACTED WORK

TURNAROUND TIME: ☒ Stand ☐ Rush (If RUSH REQUESTED) Rush Due by:

REPORT FORMA ☒ Standard Report ☐ Other/Specify:

☐ Standard Report + E2 PWS ID#:

SEND TO: Chem Tech

DATE/TIME:

METHOD OF SHIPMEN Deliver

PAYMENT INFORMATION

☐ Sampling/Pick-up Fee: $ ☐ Composite Fee: $ ☐ Rush Fee: $ Amount Due: $

Payment Method: ☐ Credit Card Type: ☐ Check # ☐ Other: See Quote

Note: ATL16

VOA UNPRESERVED DUE TO EFFERVESCENSE - 3 DAY TAT PER JORDAN HE

SAMPLE CUSTODY EXCHANGES MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION
PLEASE PRINT YOUR NAME LEGIBLY, USE FULL LEGAL SIGNATURE, DATE AND TIME

Sampled by (PRINT):	Signature:	Date/Time:
Client/Client's Representative (PRINT):	Signature:	Date/Time:
1. Received/Relinquished by (PRINT): Megan Howarth	Signature: Megan Howarth	Date/Time: 6/11/25 15:24
2. Received/Relinquished by (PRINT): MATT JACKSON	Signature: M. Jackson	Date/Time: 6/12/25 8:27am

6/12/25 8:27am 2.3°C

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2302 GARD04
Client Name : Garden State Laboratories, I
Client Contact : Sharon Ercoliani
Invoice Name : Garden State Laboratories, I
Invoice Contact : Sharon Ercoliani

Order Date : 6/12/2025 12:09:00 PM
Project Name : Waste Water 2025
Receive DateTime : 6/12/2025 8:27:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 1
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2302-01	250611078-02-VOA	Water	06/11/2025	09:12					
					VOCMS Group1		624.1		10 Bus. Days
					VOCMS Group2		8260-Low		10 Bus. Days
Q2302-02	250611056-09-TRIP-BLANK	Water	06/11/2025	00:00					
					VOCMS Group1		624.1		10 Bus. Days
					VOCMS Group2		8260-Low		10 Bus. Days

Relinguished By :
Date / Time : 6/12/25 1255

Received By :
Date / Time : 06/12/25 1255 Rgt 4 Rgt 3
Storage Area : **VOA Refridgerator Room**